

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
 Data File : VX005686.D
 Acq On : 30 Oct 2018 12:47
 Operator : JC/MD
 Sample : VX1030WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Quant Time: Oct 30 15:55:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	353872	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	297437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167947	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	136810	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
35) Dibromofluoromethane	5.49	113	113557	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
50) Toluene-d8	8.71	98	391650	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
62) 4-Bromofluorobenzene	11.14	95	145468	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	57003	22.21	ug/l	89
3) Chloromethane	1.32	50	60776	18.60	ug/l	94
4) Vinyl Chloride	1.40	62	57567	17.91	ug/l	94
5) Bromomethane	1.64	94	29732	14.87	ug/l	92
6) Chloroethane	1.71	64	35117	17.11	ug/l	89
7) Trichlorofluoromethane	1.92	101	80332	17.99	ug/l	99
8) Diethyl Ether	2.19	74	30137	16.91	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44507	17.37	ug/l	95
10) Methyl Iodide	2.51	142	39809	16.79	ug/l	97
11) Tert butyl alcohol	3.06	59	77318	90.53	ug/l	99
12) 1,1-Dichloroethene	2.37	96	44706	18.32	ug/l	84
13) Acrolein	2.29	56	35184	80.76	ug/l	97
14) Allyl chloride	2.73	41	91031	16.71	ug/l	98
15) Acrylonitrile	3.14	53	169484	88.50	ug/l	98
16) Acetone	2.44	43	154093	91.88	ug/l	92
17) Carbon Disulfide	2.57	76	128034	17.21	ug/l	99
18) Methyl Acetate	2.78	43	81710	18.81	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	149994	17.23	ug/l	96
20) Methylene Chloride	2.86	84	50147	17.85	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	47904	17.98	ug/l	87
22) Diisopropyl ether	3.86	45	173619	18.25	ug/l	# 90
23) Vinyl Acetate	3.82	43	765748	91.41	ug/l	98
24) 1,1-Dichloroethane	3.70	63	92186	17.83	ug/l	99
25) 2-Butanone	4.70	43	237922	93.16	ug/l	95
26) 2,2-Dichloropropane	4.57	77	70270	17.60	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	52429	18.25	ug/l	98
28) Bromochloromethane	5.01	49	43881	17.54	ug/l	92
29) Tetrahydrofuran	5.16	42	151991	91.45	ug/l	98
30) Chloroform	5.21	83	89027	18.40	ug/l	99
31) Cyclohexane	5.57	56	82105	19.19	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	73746	17.27	ug/l	99
36) 1,1-Dichloropropene	5.80	75	63987	18.63	ug/l	97
37) Ethyl Acetate	4.85	43	83402	19.03	ug/l	98
38) Carbon Tetrachloride	5.78	117	64609	17.86	ug/l	85

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	69780	18.40	ug/l	98
40) Benzene	6.15	78	191602	19.46	ug/l	97
41) Methacrylonitrile	5.05	41	46160	18.91	ug/l	98
42) 1,2-Dichloroethane	6.20	62	68745	18.38	ug/l	99
43) Isopropyl Acetate	6.46	43	117855	17.95	ug/l	98
44) Trichloroethene	7.21	130	48089	17.93	ug/l	93
45) 1,2-Dichloropropane	7.52	63	45971	17.37	ug/l	97
46) Dibromomethane	7.66	93	30723	17.97	ug/l	98
47) Bromodichloromethane	7.90	83	57501	17.33	ug/l	99
48) Methyl methacrylate	7.77	41	55404	17.32	ug/l	98
49) 1,4-Dioxane	7.75	88	25100	359.02	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	387567	87.82	ug/l	100
52) Toluene	8.78	92	108634	18.16	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	61827	17.24	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	68663	17.79	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	44626	17.69	ug/l	97
56) Ethyl methacrylate	9.18	69	65355	17.37	ug/l	99
57) 1,3-Dichloropropane	9.37	76	74774	17.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	185871	88.45	ug/l	100
59) 2-Hexanone	9.49	43	309083	88.82	ug/l	100
60) Dibromochloromethane	9.59	129	46356	17.61	ug/l	98
61) 1,2-Dibromoethane	9.67	107	46607	17.86	ug/l	100
64) Tetrachloroethene	9.34	164	50204	20.33	ug/l	98
65) Chlorobenzene	10.14	112	121304	19.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	43937	19.02	ug/l	99
67) Ethyl Benzene	10.25	91	203702	19.55	ug/l	100
68) m/p-Xylenes	10.36	106	159877	39.54	ug/l	100
69) o-Xylene	10.70	106	76583	20.13	ug/l	98
70) Styrene	10.71	104	126935	19.93	ug/l	99
71) Bromoform	10.86	173	36984	17.95	ug/l	# 99
73) Isopropylbenzene	11.02	105	211525	20.60	ug/l	99
74) N-amyl acetate	10.90	43	94836	18.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	71223	18.80	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	84624	23.78	ug/l	84
77) Bromobenzene	11.26	156	57488	20.09	ug/l	97
78) n-propylbenzene	11.36	91	242357	20.65	ug/l	100
79) 2-Chlorotoluene	11.42	91	144753	19.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	178757	20.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20857	19.15	ug/l	97
82) 4-Chlorotoluene	11.51	91	171331	19.96	ug/l	99
83) tert-Butylbenzene	11.77	119	174642	19.95	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	184349	20.71	ug/l	100
85) sec-Butylbenzene	11.94	105	214397	20.52	ug/l	100
86) p-Isopropyltoluene	12.07	119	192334	20.60	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	104533	19.43	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	106859	19.03	ug/l	99
89) n-Butylbenzene	12.39	91	168020	19.93	ug/l	99
90) Hexachloroethane	12.60	117	29860	18.54	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	105805	19.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16768	18.31	ug/l	97

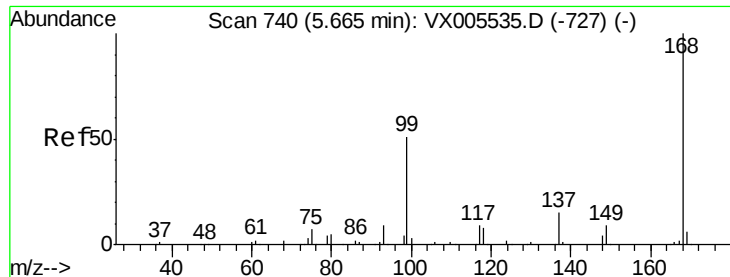
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX103018\
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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	78211	19.82	ug/l	100
94) Hexachlorobutadiene	13.78	225	39762	19.44	ug/l	99
95) Naphthalene	13.83	128	230360	20.08	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	80389	20.10	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

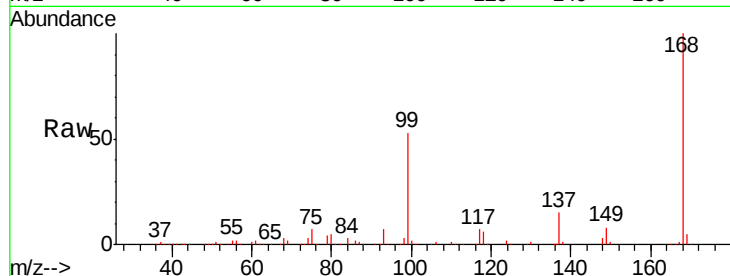
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:168 Resp: 259998

Ion Ratio Lower Upper

168 100

99 52.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

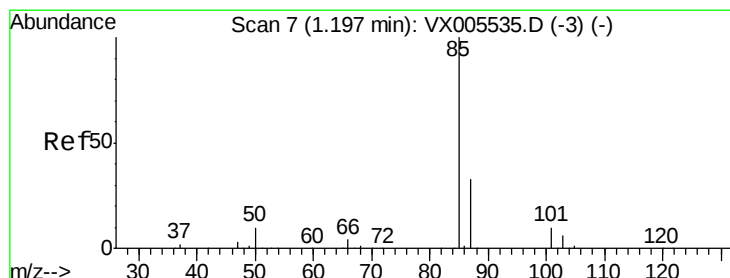
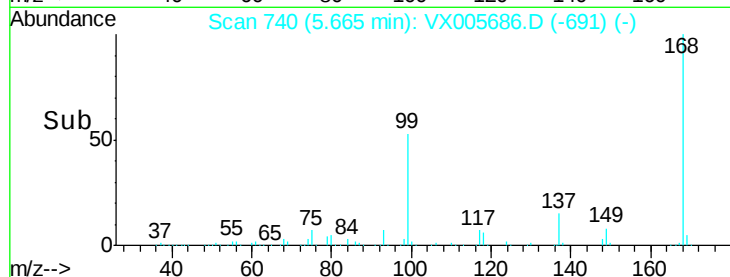
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 22.21 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005686.D

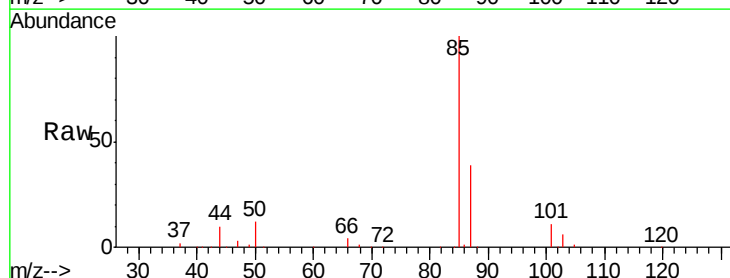
Acq: 30 Oct 2018 12:47

Tgt Ion: 85 Resp: 57003

Ion Ratio Lower Upper

85 100

87 38.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

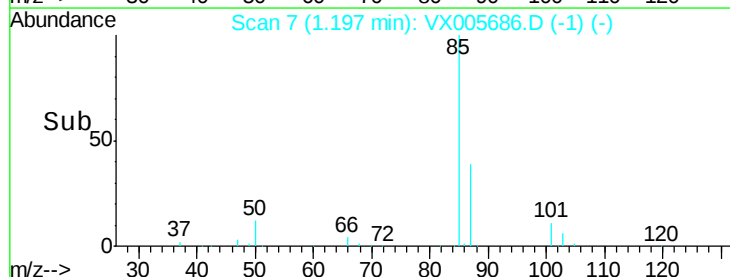
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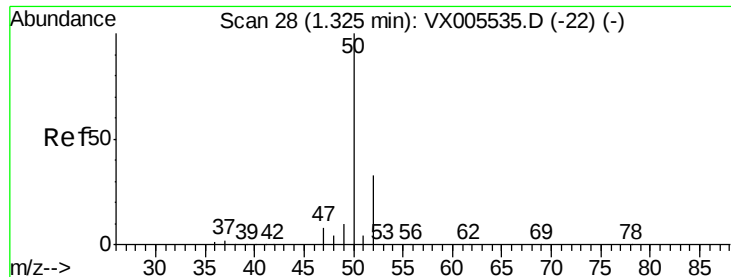
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.60 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

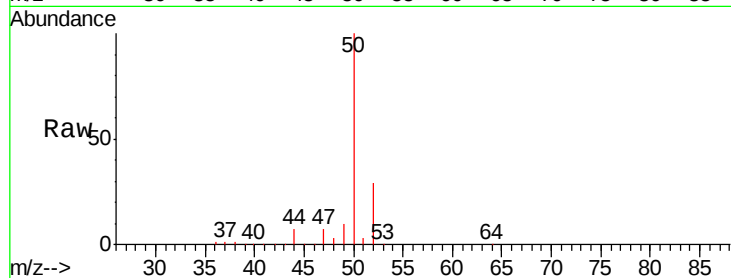
VX1030WBS01

Tgt Ion: 50 Resp: 60776

Ion Ratio Lower Upper

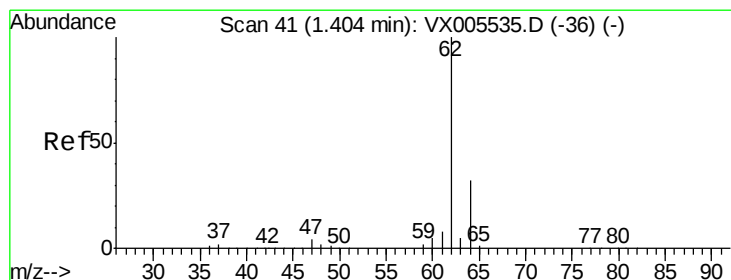
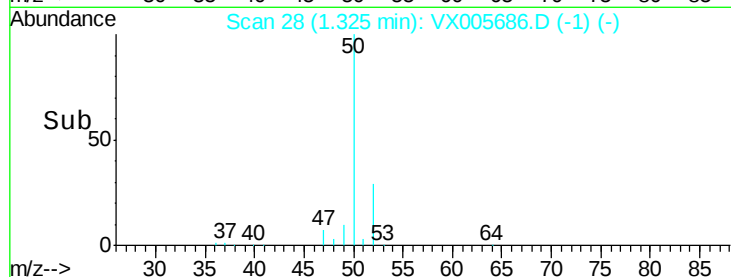
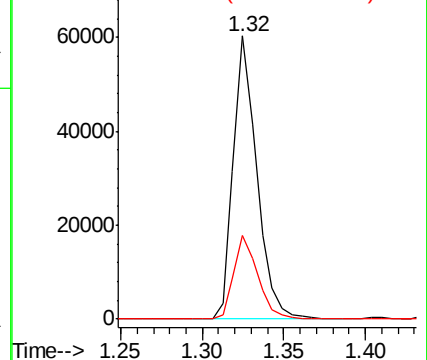
50 100

52 29.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.91 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005686.D

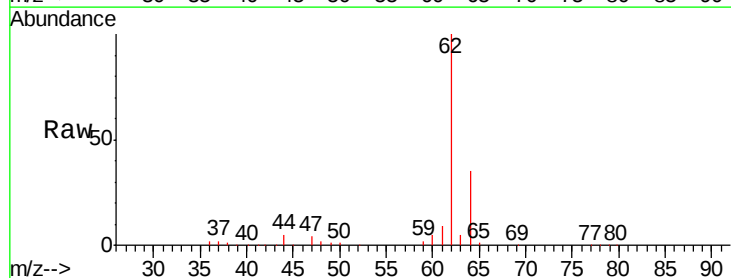
Acq: 30 Oct 2018 12:47

Tgt Ion: 62 Resp: 57567

Ion Ratio Lower Upper

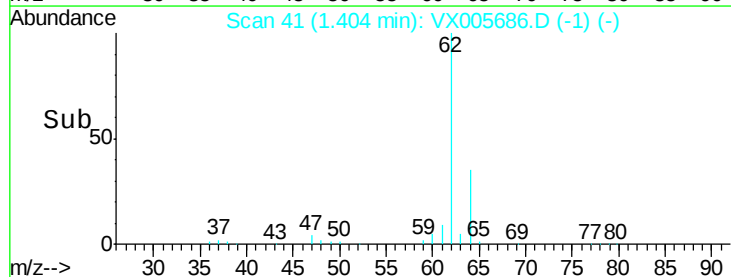
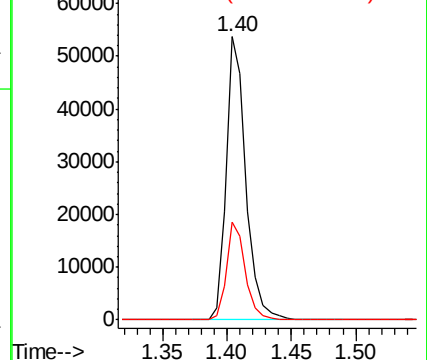
62 100

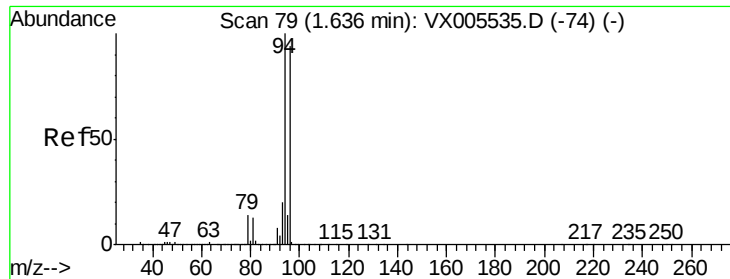
64 34.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 14.87 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

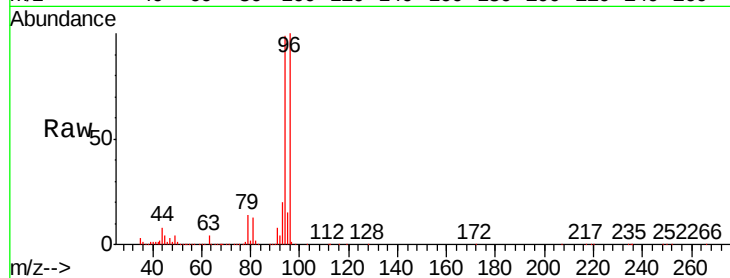
VX1030WBS01

Tgt Ion: 94 Resp: 29732

Ion Ratio Lower Upper

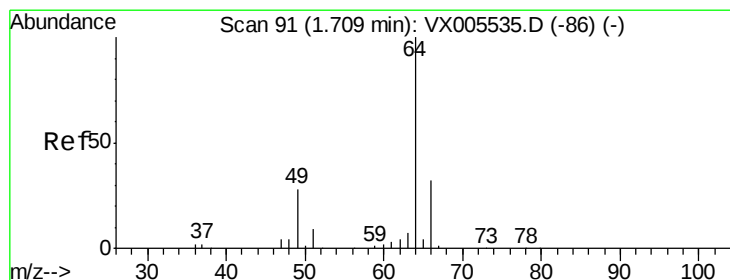
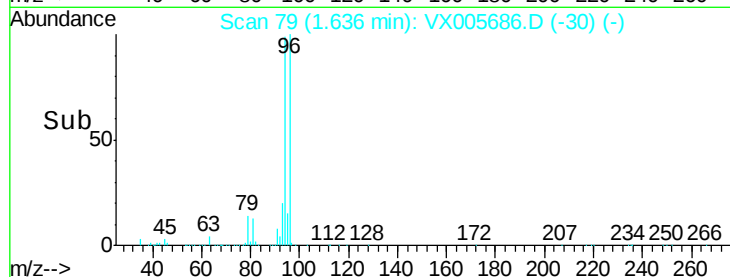
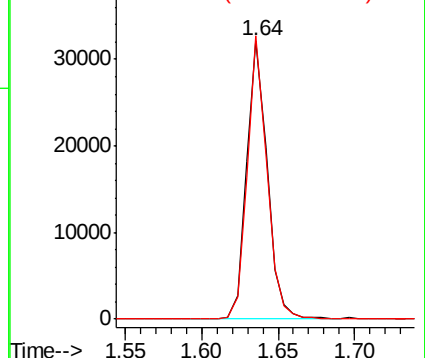
94 100

96 101.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.11 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005686.D

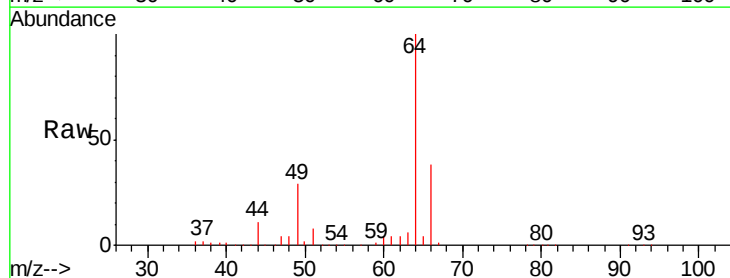
Acq: 30 Oct 2018 12:47

Tgt Ion: 64 Resp: 35117

Ion Ratio Lower Upper

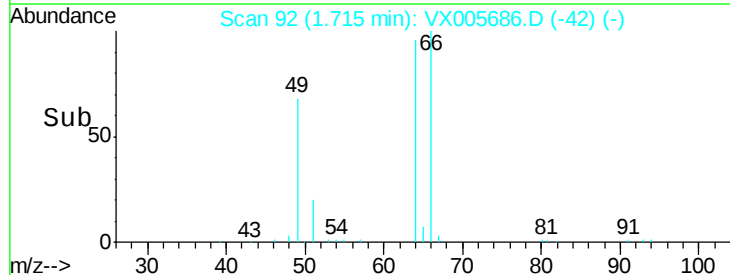
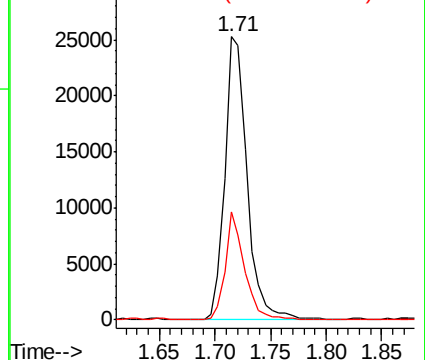
64 100

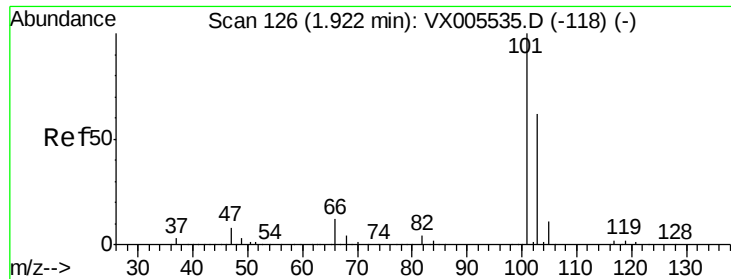
66 38.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



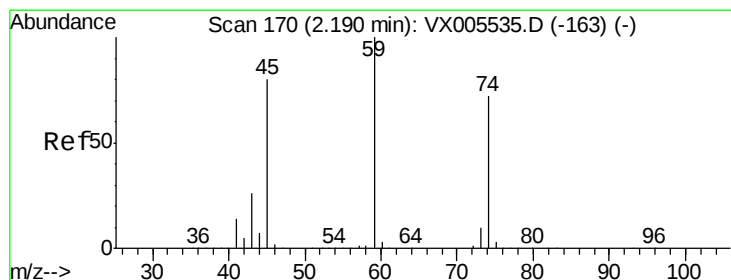
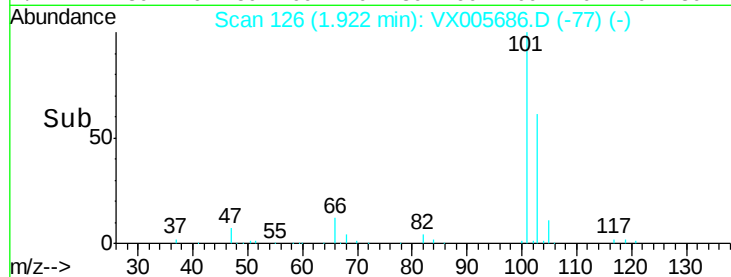
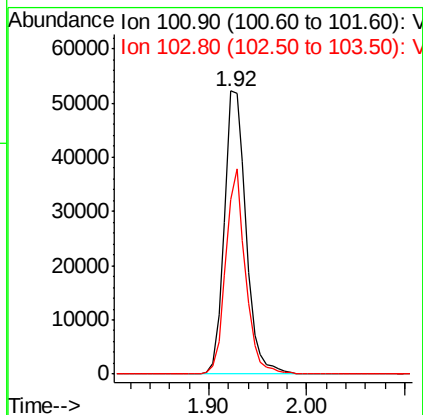
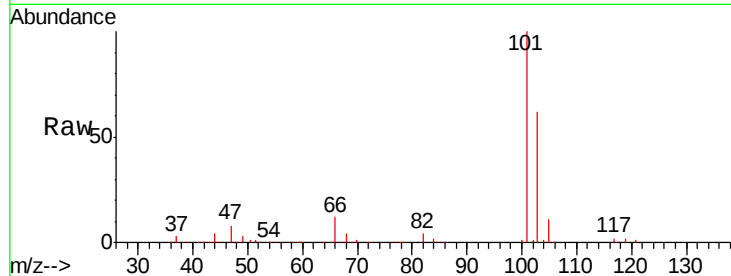


#7

Trichlorofluoromethane
 Concen: 17.99 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

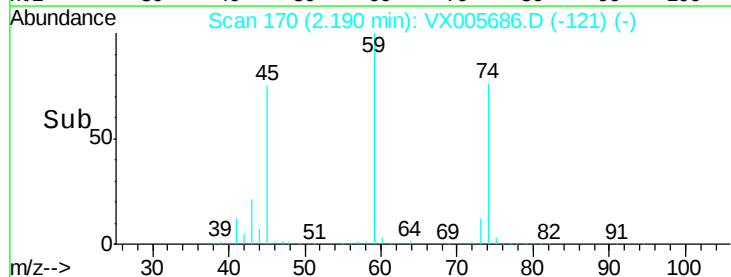
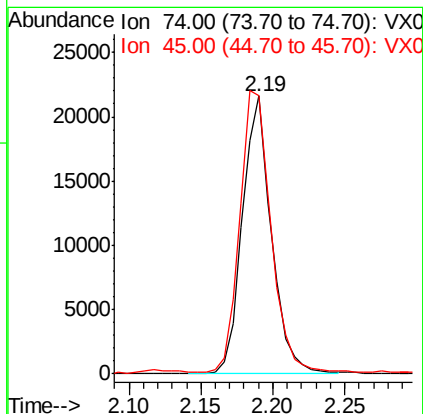
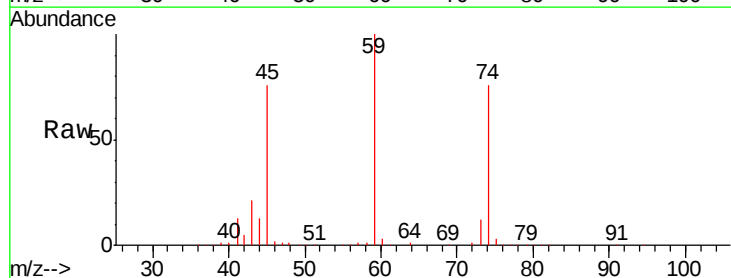
Tgt Ion: 101 Resp: 80332
 Ion Ratio Lower Upper
 101 100
 103 61.6 50.0 75.0

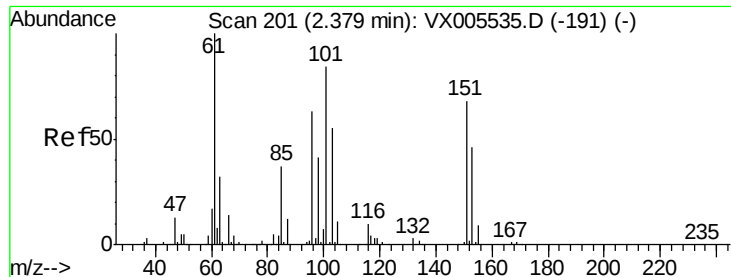


#8

Diethyl Ether
 Concen: 16.91 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 74 Resp: 30137
 Ion Ratio Lower Upper
 74 100
 45 109.0 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.37 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

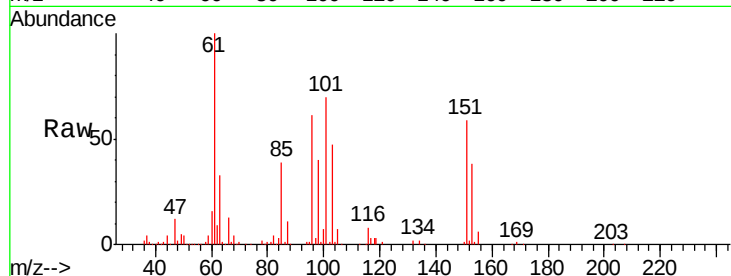
Tgt Ion:101 Resp: 44507

Ion Ratio Lower Upper

101 100

85 49.1 35.0 52.4

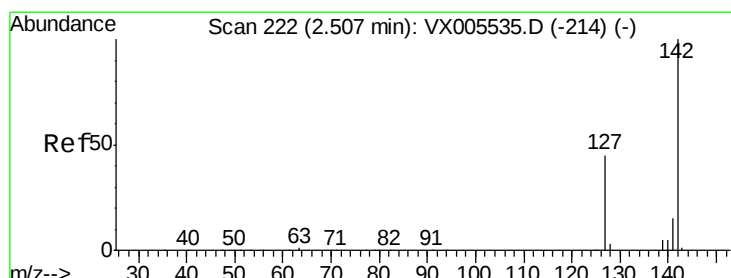
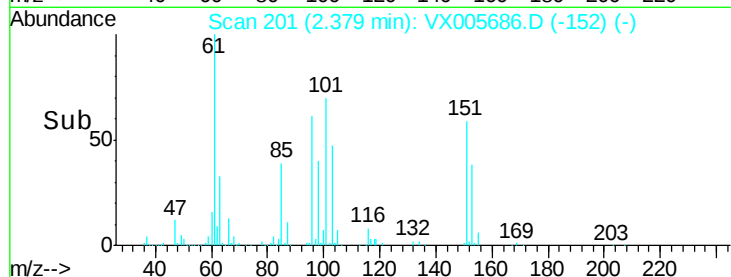
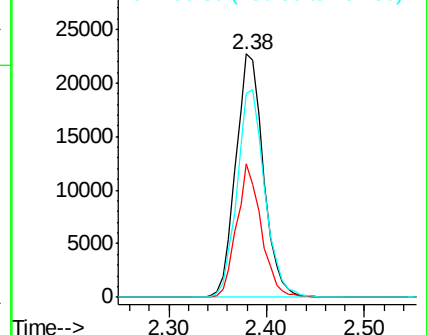
151 86.1 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.79 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

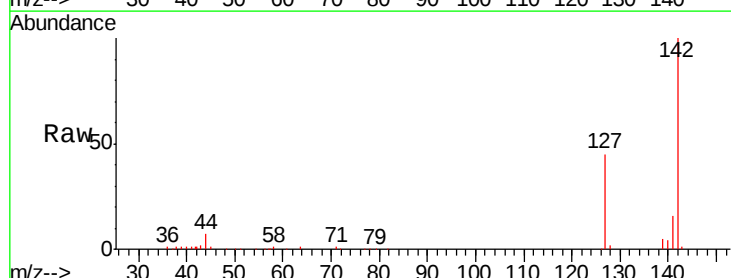
Tgt Ion:142 Resp: 39809

Ion Ratio Lower Upper

142 100

127 42.6 36.0 54.0

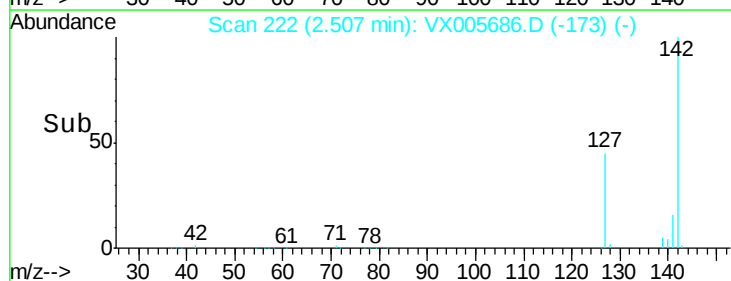
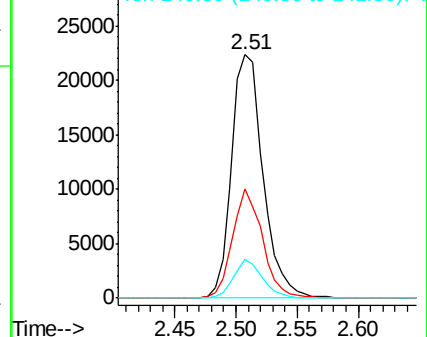
141 14.6 11.7 17.5

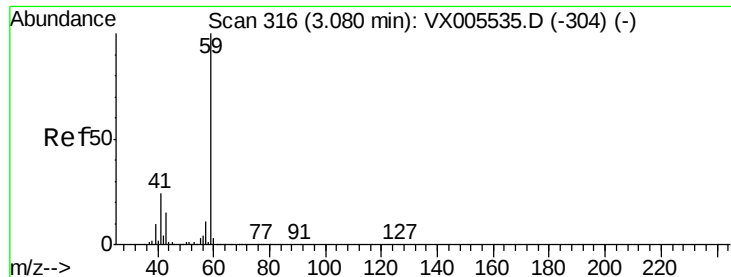


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

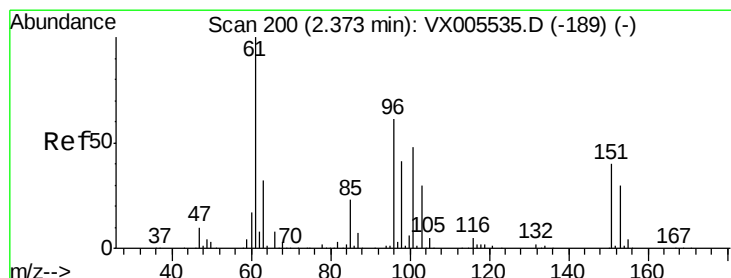
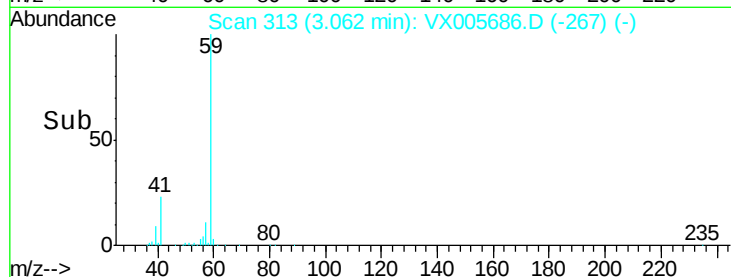
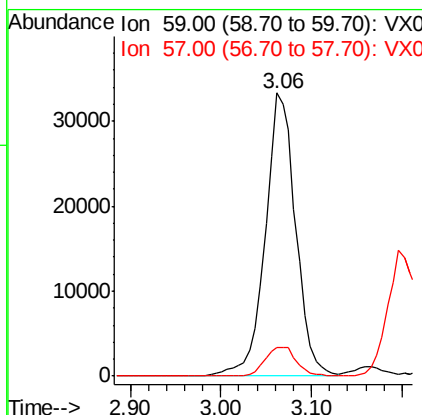
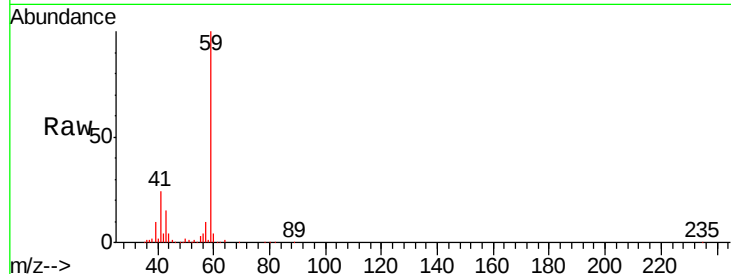




#11
Tert butyl alcohol
Concen: 90.53 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

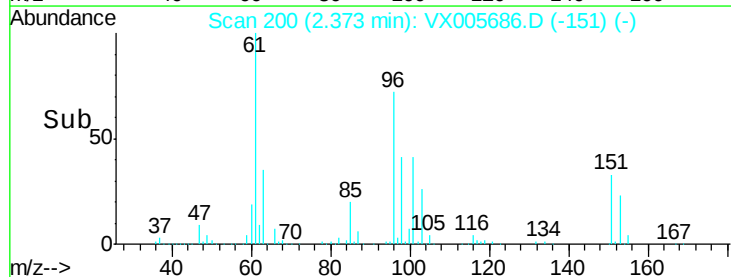
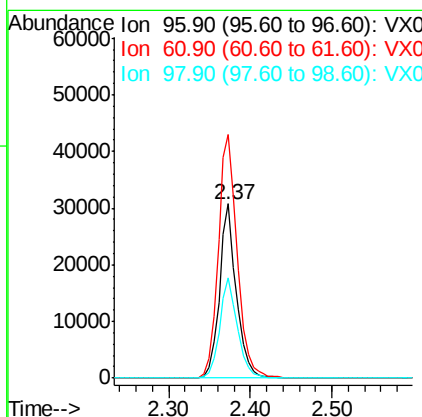
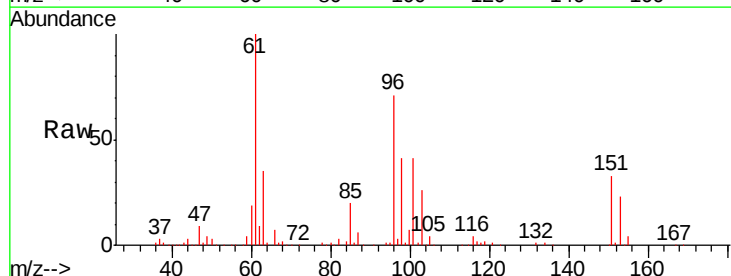
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

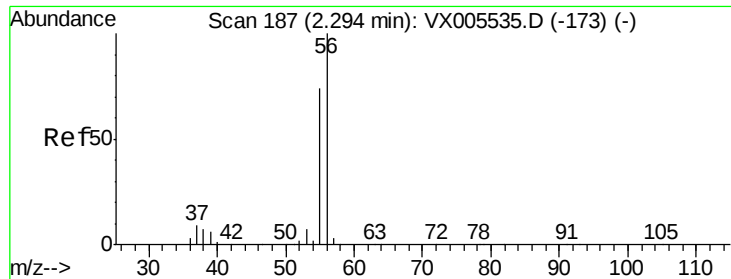
Tgt Ion: 59 Resp: 77318
Ion Ratio Lower Upper
59 100
57 10.8 8.5 12.7



#12
1,1-Dichloroethene
Concen: 18.32 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 96 Resp: 44706
Ion Ratio Lower Upper
96 100
61 140.0 131.8 197.8
98 57.6 53.4 80.2





#13

Acrolein

Concen: 80.76 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

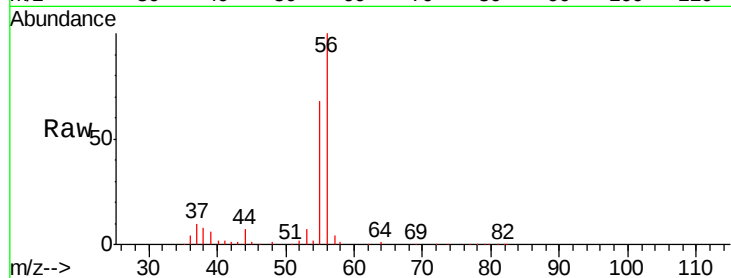
VX1030WBS01

Tgt Ion: 56 Resp: 35184

Ion Ratio Lower Upper

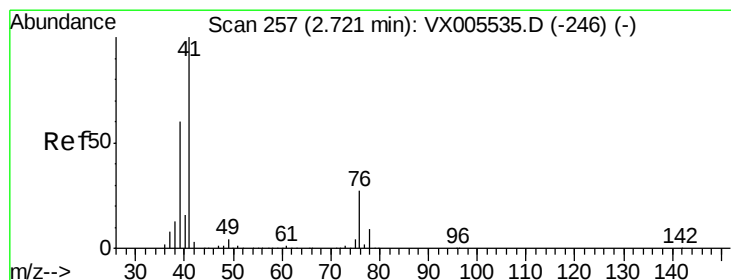
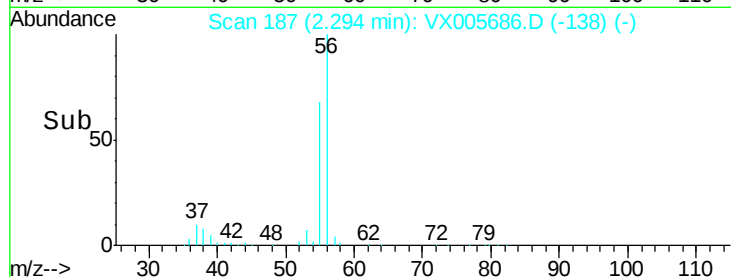
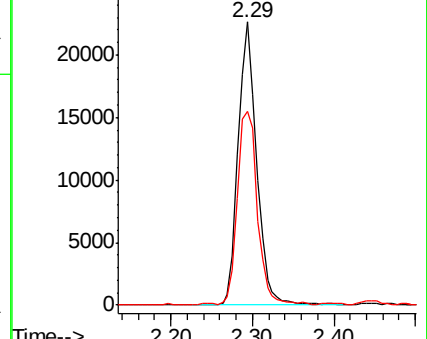
56 100

55 74.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 16.71 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

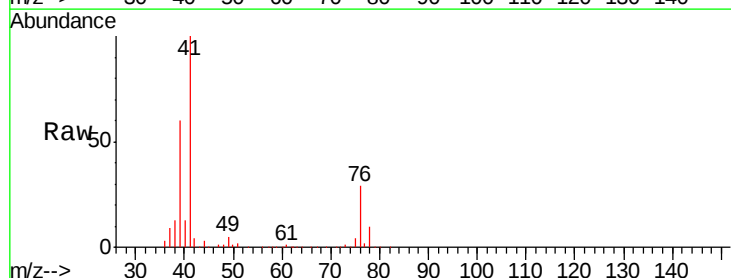
Tgt Ion: 41 Resp: 91031

Ion Ratio Lower Upper

41 100

39 59.2 48.2 72.4

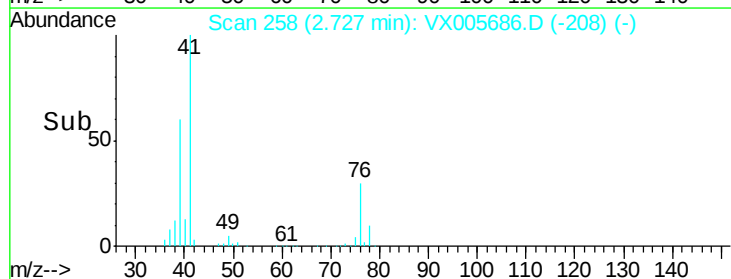
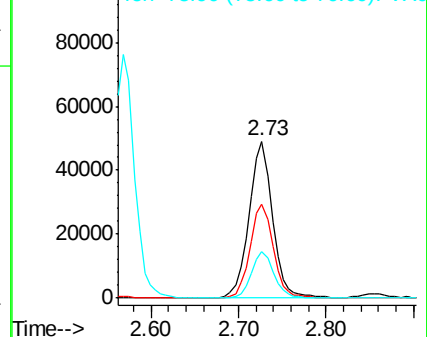
76 28.5 21.9 32.9

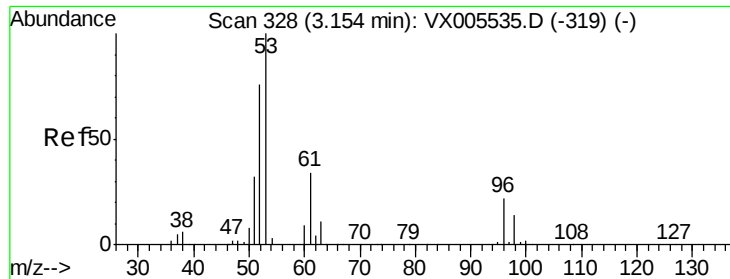


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

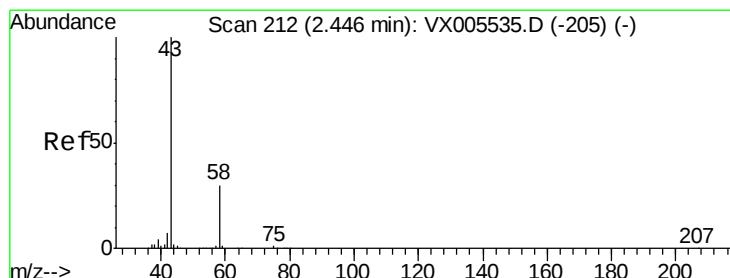
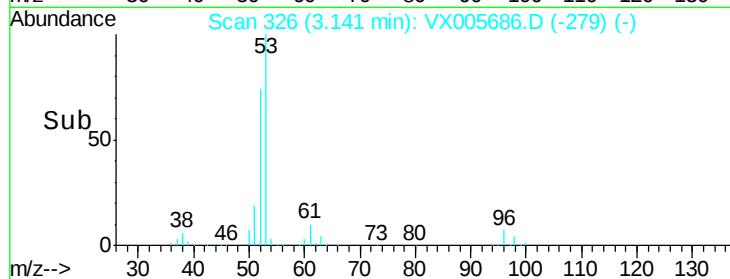
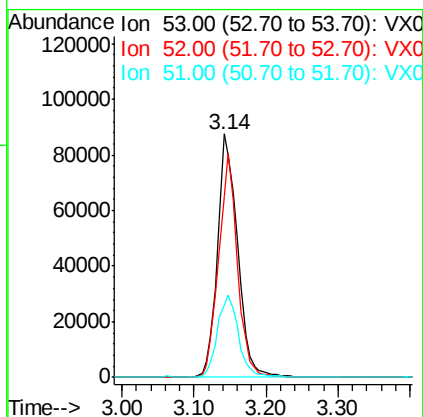
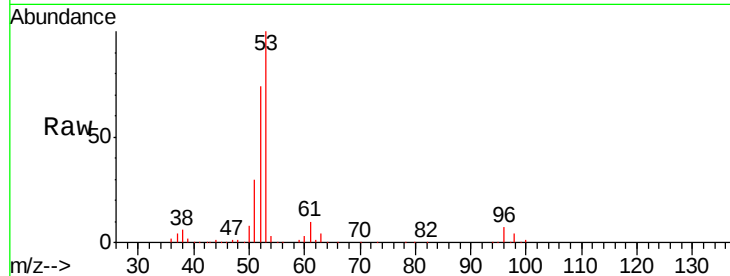




#15
 Acrylonitrile
 Concen: 88.50 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

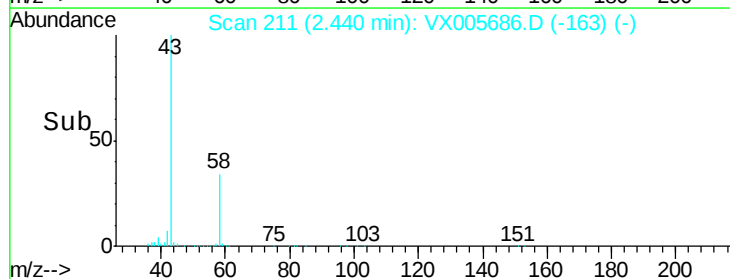
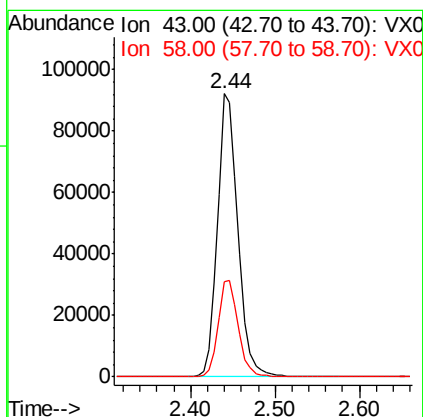
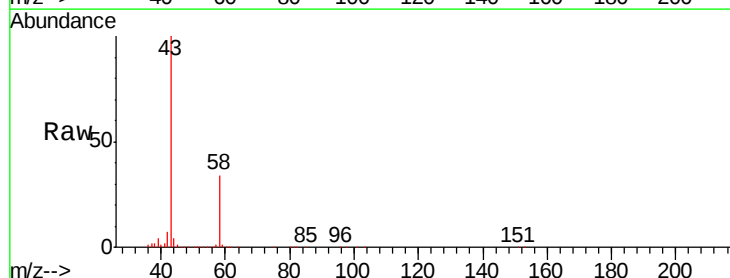
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

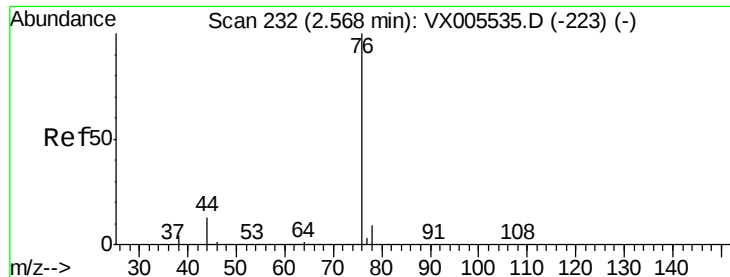
Tgt Ion: 53 Resp: 169484
 Ion Ratio Lower Upper
 53 100
 52 85.5 66.6 99.8
 51 35.7 28.4 42.6



#16
 Acetone
 Concen: 91.88 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 43 Resp: 154093
 Ion Ratio Lower Upper
 43 100
 58 33.8 23.8 35.6

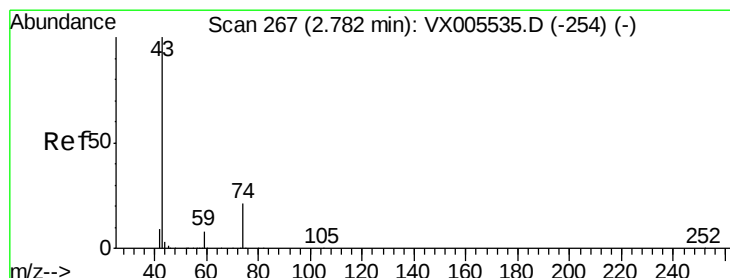
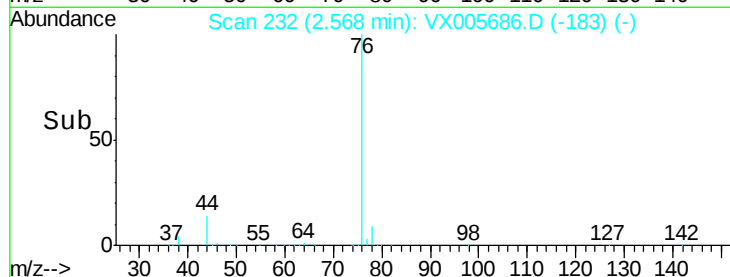
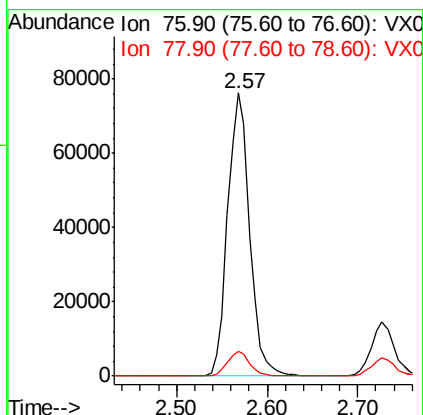
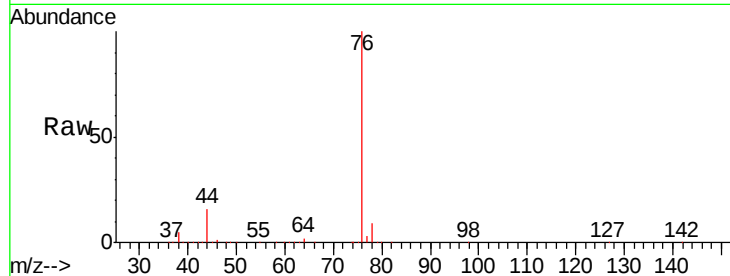




#17
Carbon Disulfide
Concen: 17.21 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

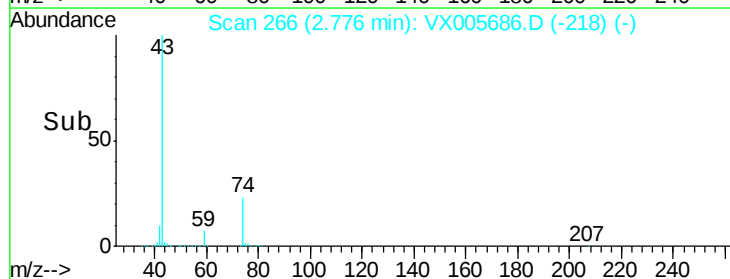
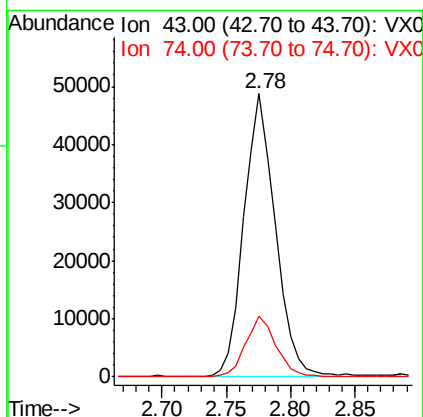
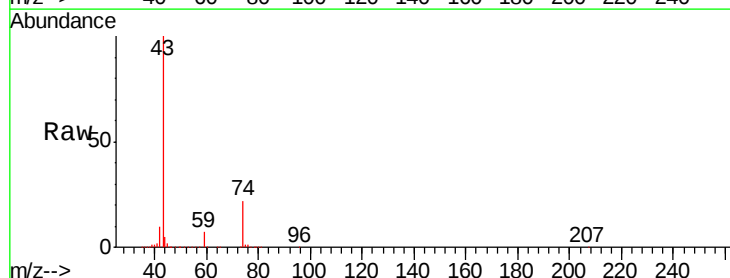
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

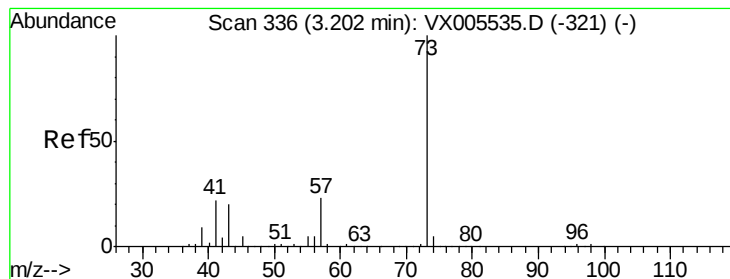
Tgt Ion: 76 Resp: 128034
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9



#18
Methyl Acetate
Concen: 18.81 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 43 Resp: 81710
Ion Ratio Lower Upper
43 100
74 21.3 16.8 25.2



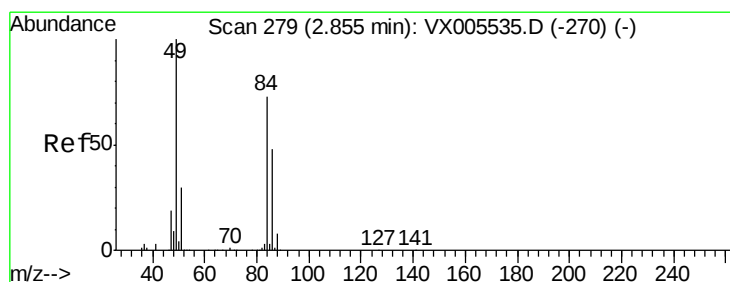
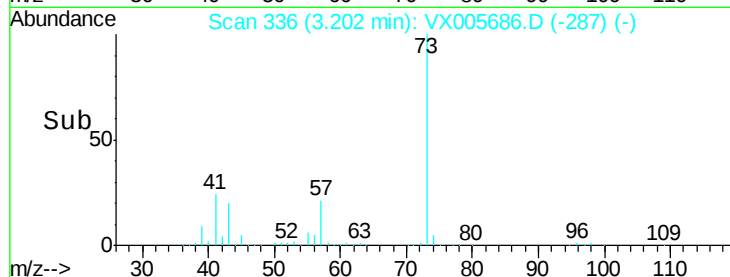
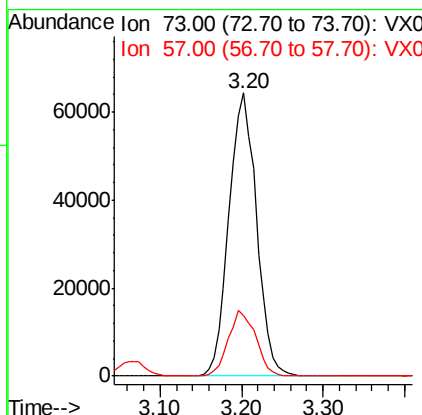
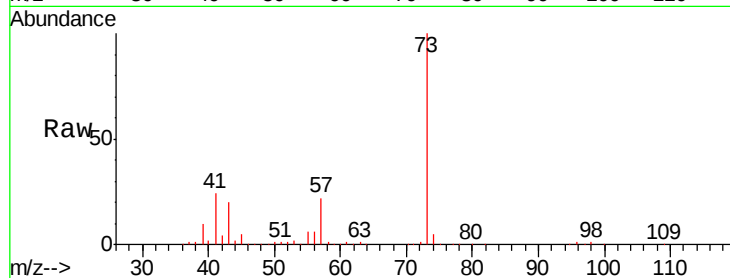


#19

Methyl tert-butyl Ether
 Concen: 17.23 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

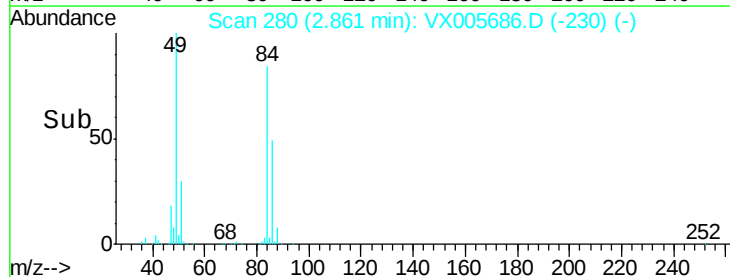
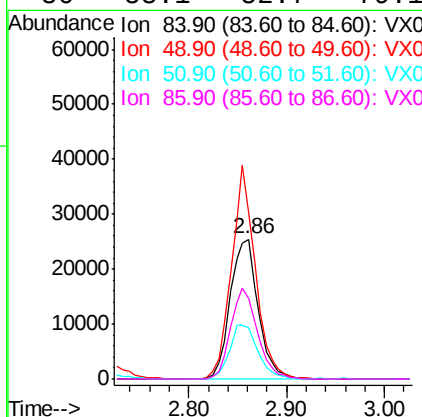
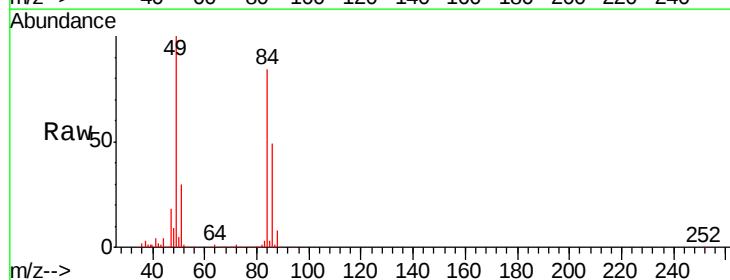
Tgt Ion: 73 Resp: 149994
 Ion Ratio Lower Upper
 73 100
 57 21.6 18.8 28.2

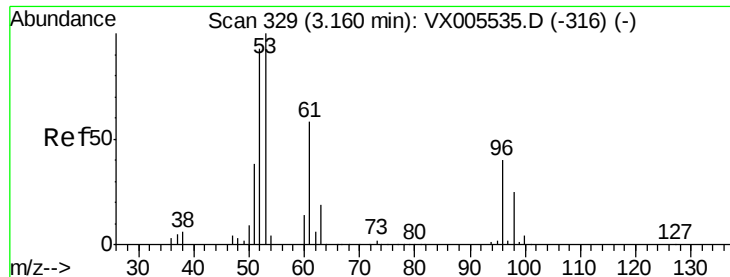


#20

Methylene Chloride
 Concen: 17.85 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 84 Resp: 50147
 Ion Ratio Lower Upper
 84 100
 49 119.4 109.5 164.3
 51 36.0 33.3 49.9
 86 58.1 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 17.98 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

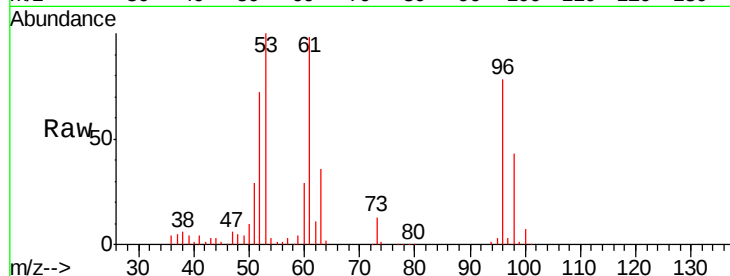
Tgt Ion: 96 Resp: 47904

Ion Ratio Lower Upper

96 100

61 126.0 115.6 173.4

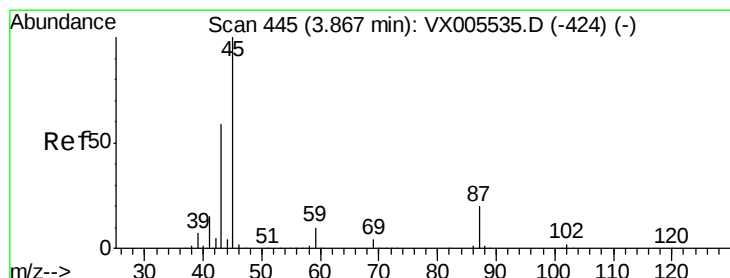
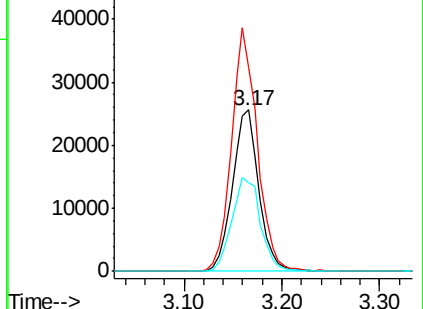
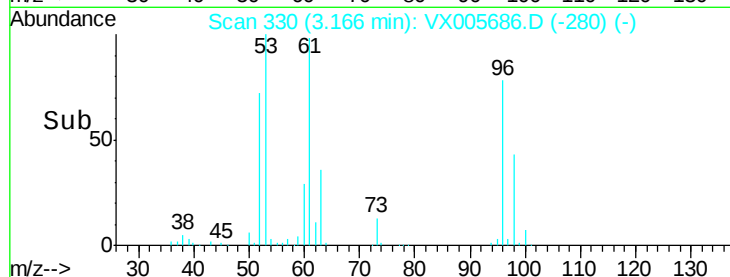
98 54.9 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 18.25 ug/l

RT: 3.86 min Scan# 444

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion: 45 Resp: 173619

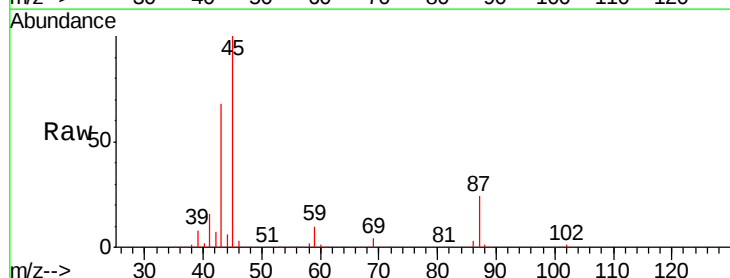
Ion Ratio Lower Upper

45 100

43 67.9 47.4 71.2

87 24.1 15.9 23.9#

59 10.4 7.7 11.5

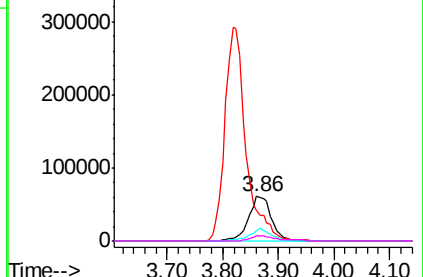
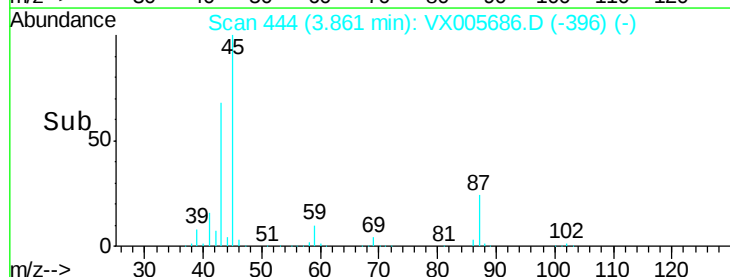


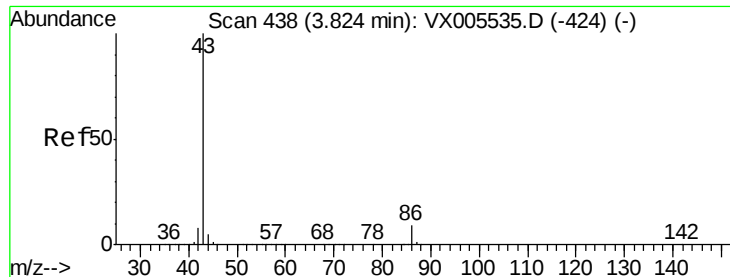
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

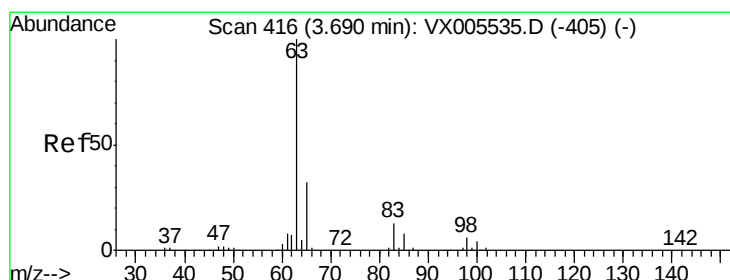
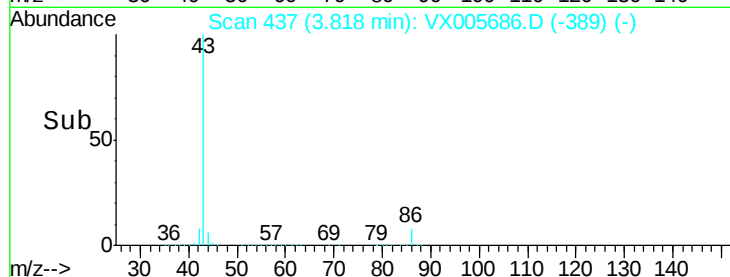
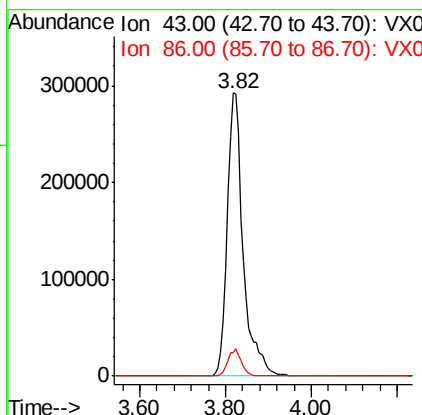
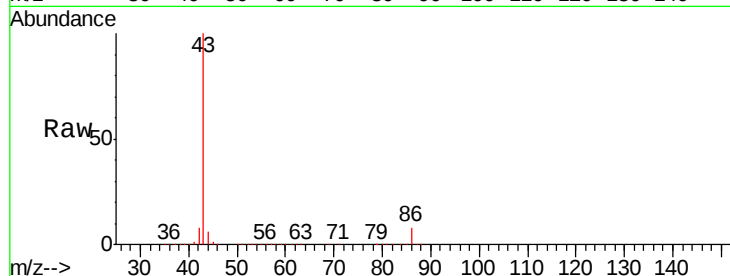




#23
 Vinyl Acetate
 Concen: 91.41 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

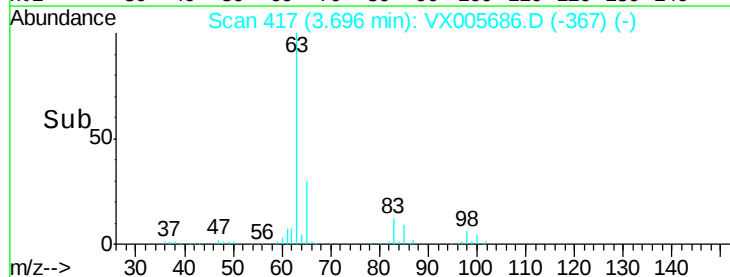
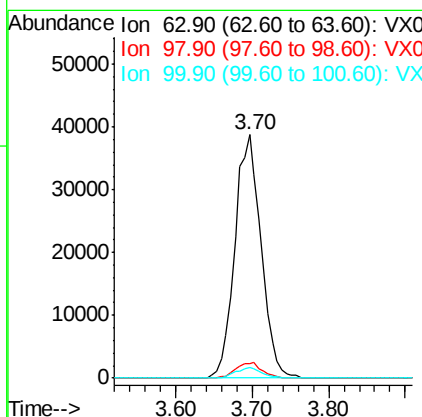
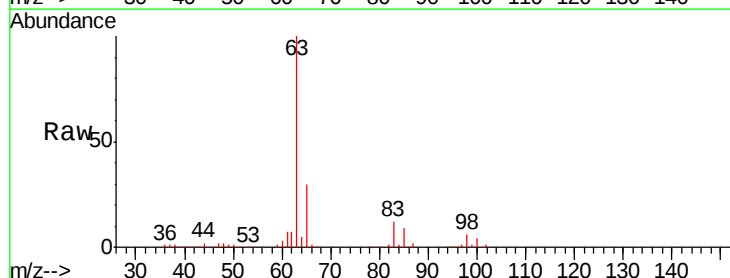
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

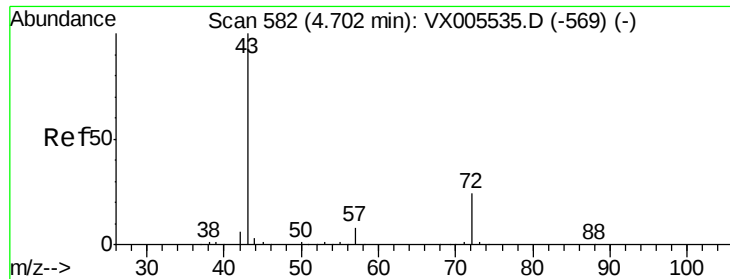
Tgt Ion: 43 Resp: 765748
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 17.83 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 63 Resp: 92186
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.2 9.6
 100 4.4 2.1 6.2





#25

2-Butanone

Concen: 93.16 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

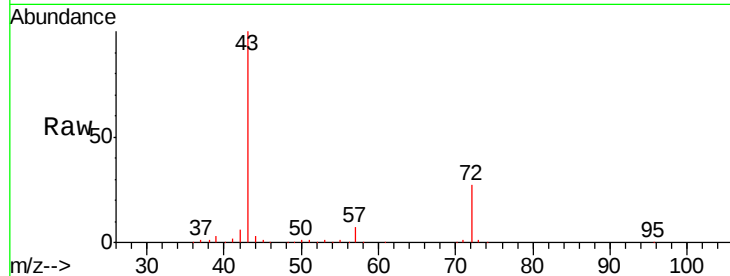
VX1030WBS01

Tgt Ion: 43 Resp: 237922

Ion Ratio Lower Upper

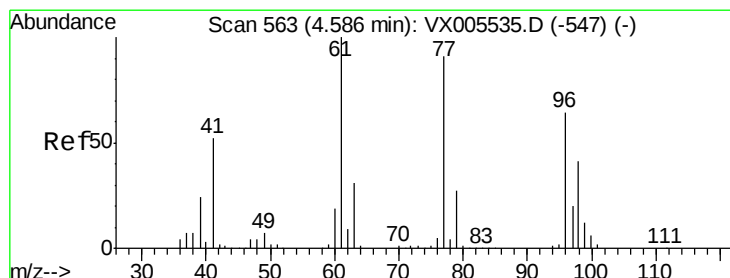
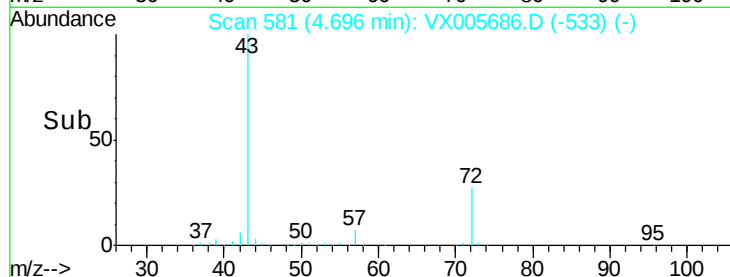
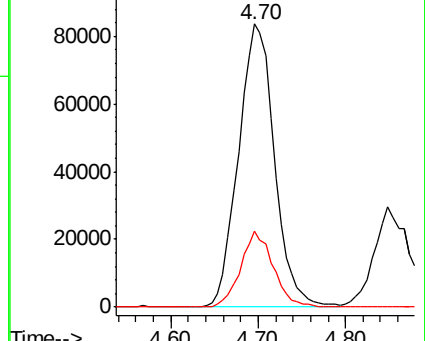
43 100

72 26.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-569) (-)

Ion 72.00 (71.70 to 72.70): VX005535.D (-569) (-)



#26

2,2-Dichloropropane

Concen: 17.60 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX005686.D

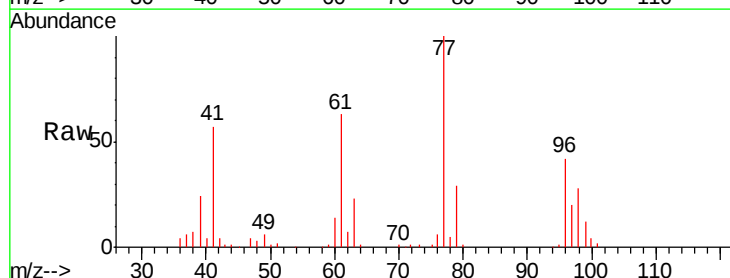
Acq: 30 Oct 2018 12:47

Tgt Ion: 77 Resp: 70270

Ion Ratio Lower Upper

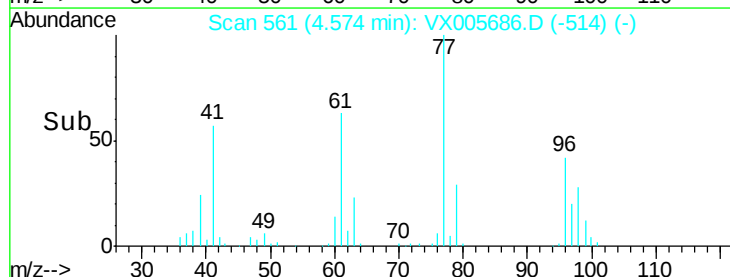
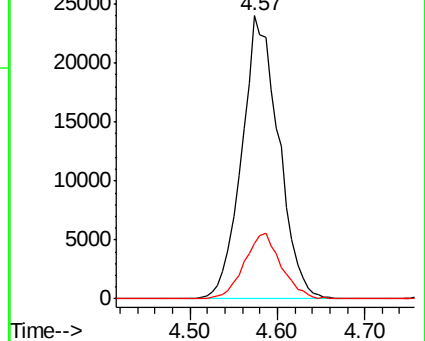
77 100

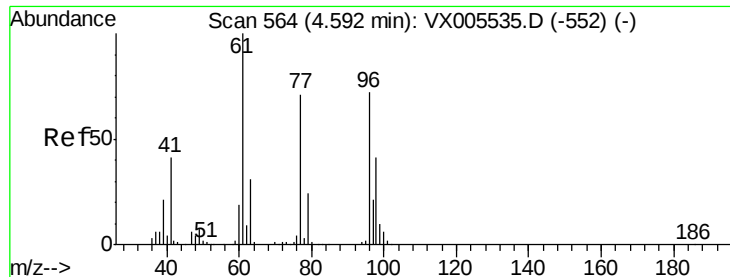
97 23.2 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX005535.D (-547) (-)

Ion 96.90 (96.60 to 97.60): VX005535.D (-547) (-)



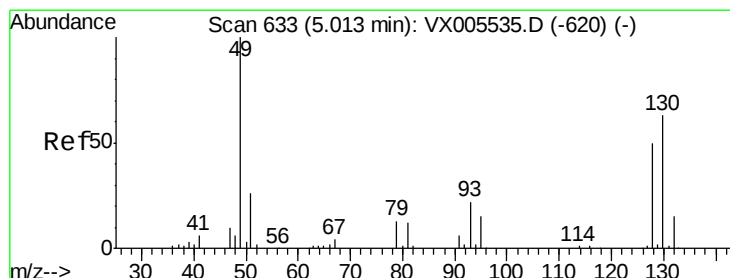
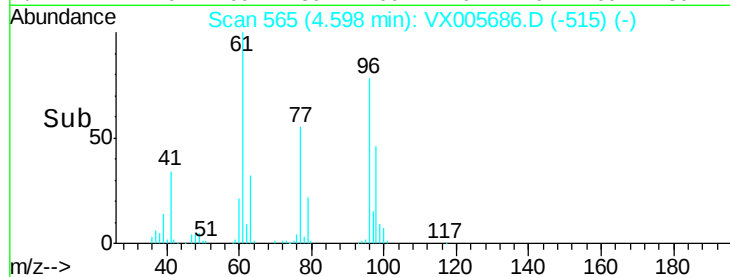
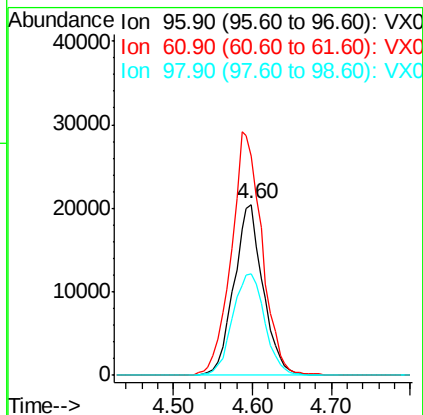
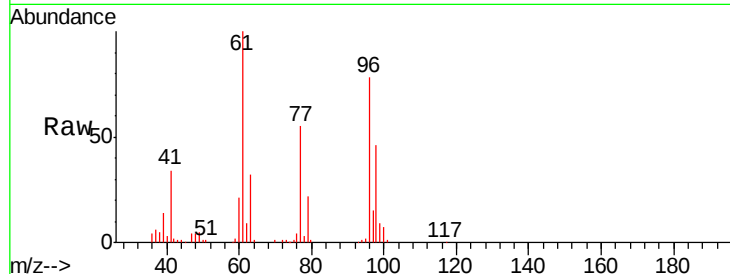


#27

cis-1,2-Dichloroethene
 Concen: 18.25 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

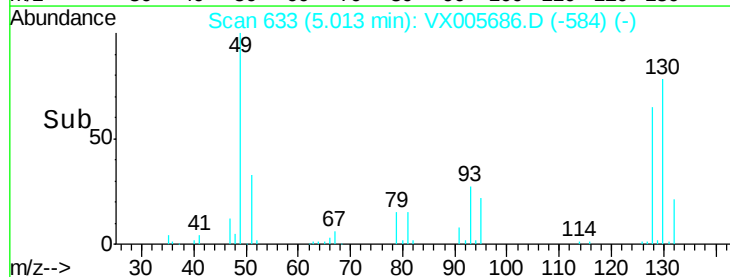
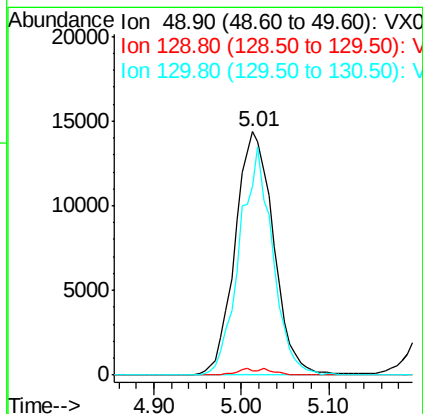
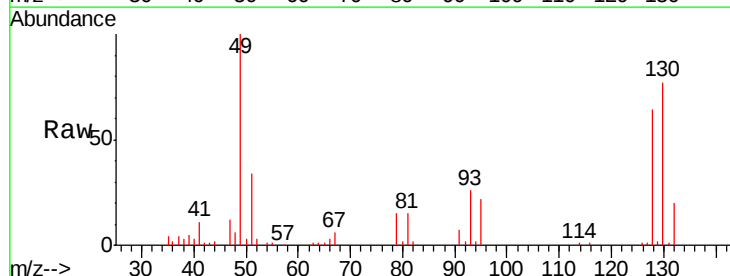
Tgt Ion: 96 Resp: 52429
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 304.6
 98 65.9 0.0 127.4

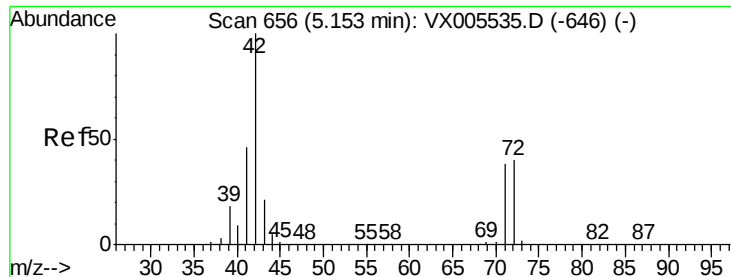


#28

Bromochloromethane
 Concen: 17.54 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 49 Resp: 43881
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.0
 130 80.8 58.9 88.3

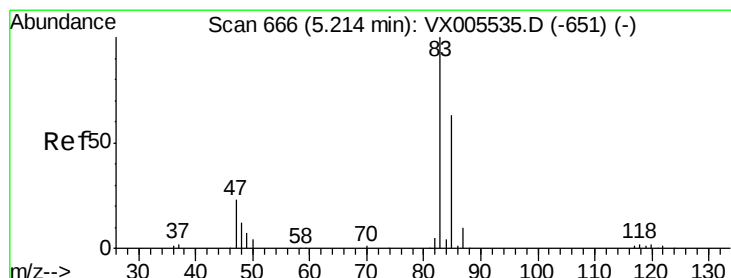
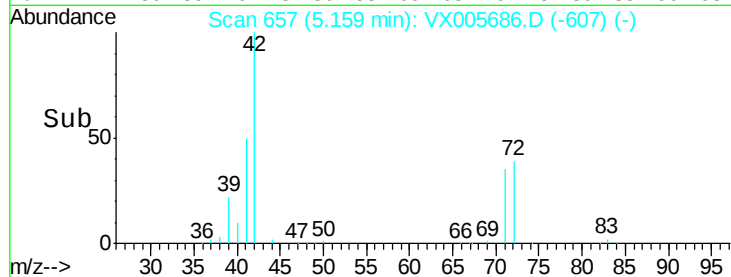
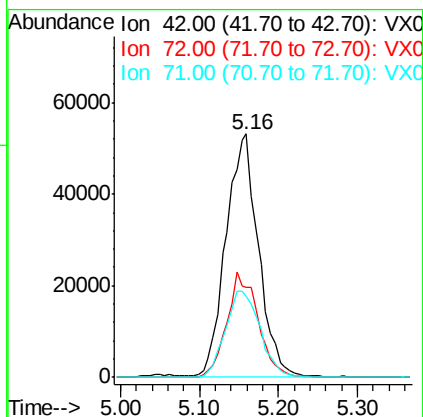
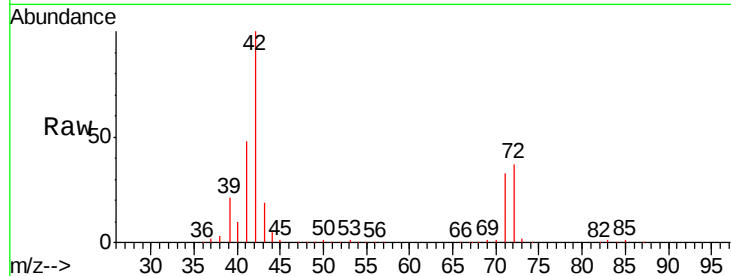




#29
Tetrahydrofuran
Concen: 91.45 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

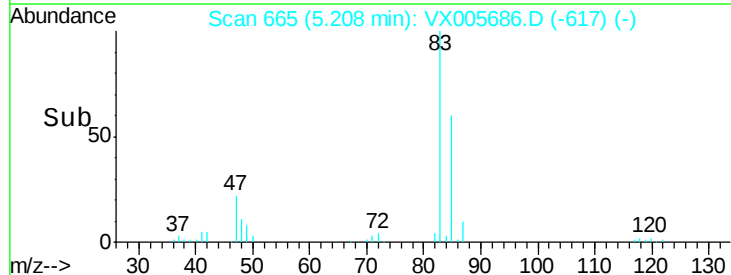
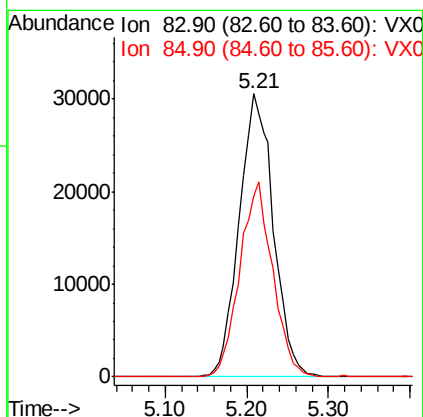
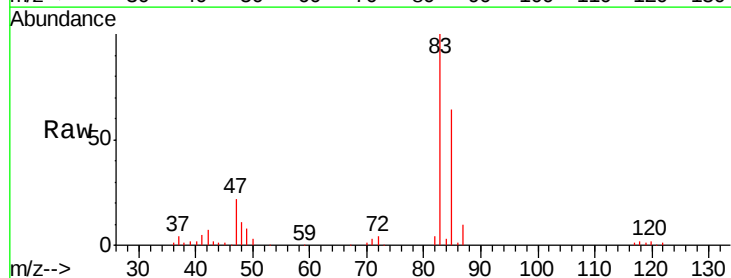
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

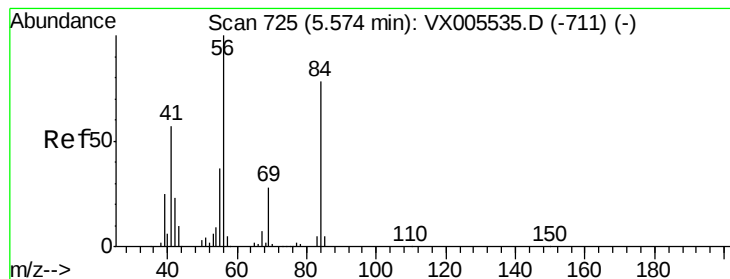
Tgt Ion: 42 Resp: 151991
Ion Ratio Lower Upper
42 100
72 41.6 32.0 48.0
71 38.1 29.8 44.8



#30
Chloroform
Concen: 18.40 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 83 Resp: 89027
Ion Ratio Lower Upper
83 100
85 63.8 50.6 76.0





#31

Cyclohexane

Concen: 19.19 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

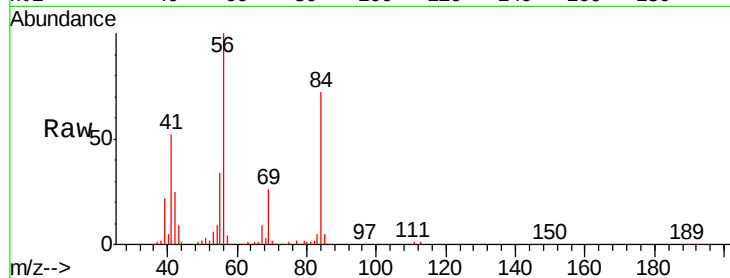
Tgt Ion: 56 Resp: 82105

Ion Ratio Lower Upper

56 100

69 25.8 22.6 34.0

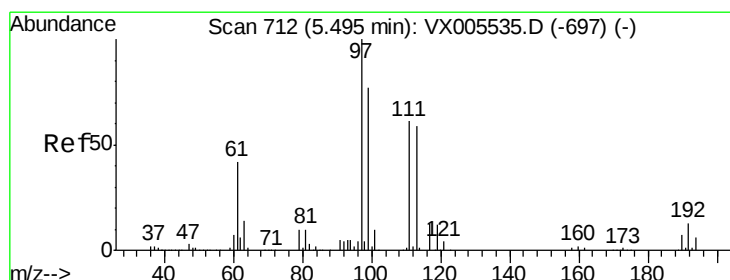
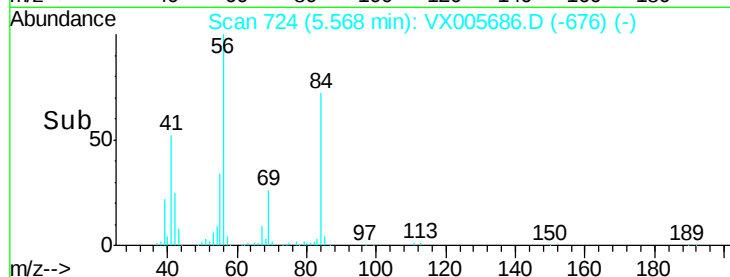
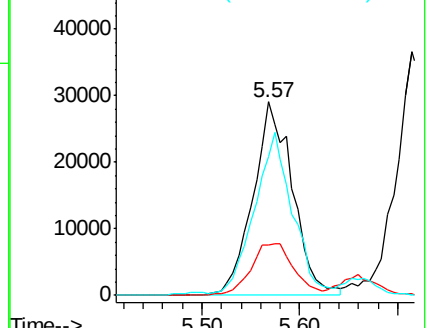
84 70.7 62.7 94.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 17.27 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

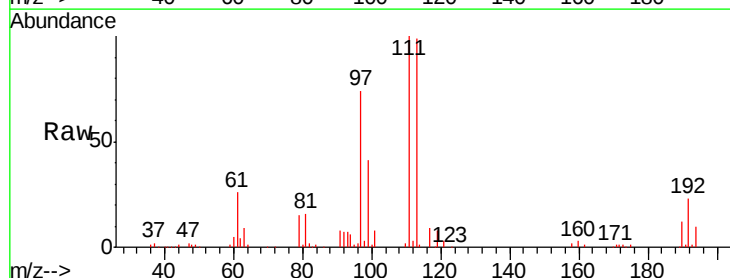
Tgt Ion: 97 Resp: 73746

Ion Ratio Lower Upper

97 100

99 64.2 52.3 78.5

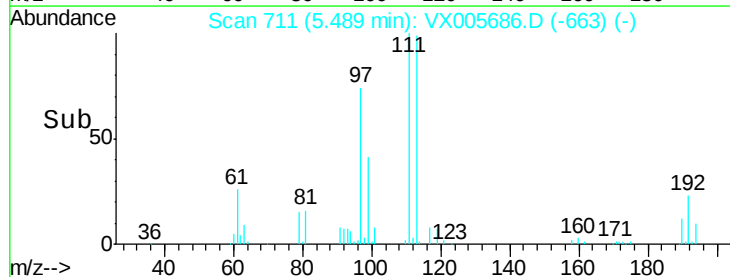
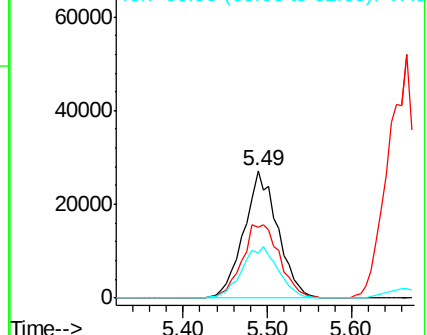
61 44.1 35.2 52.8

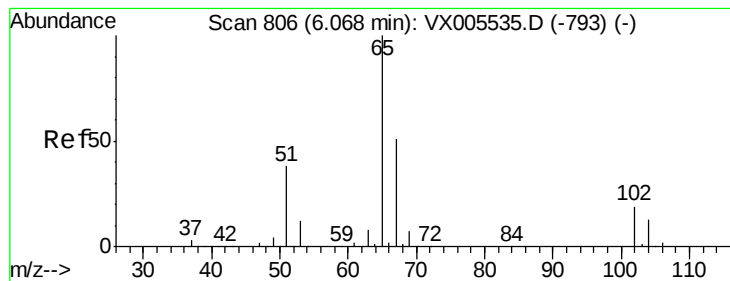


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.11 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

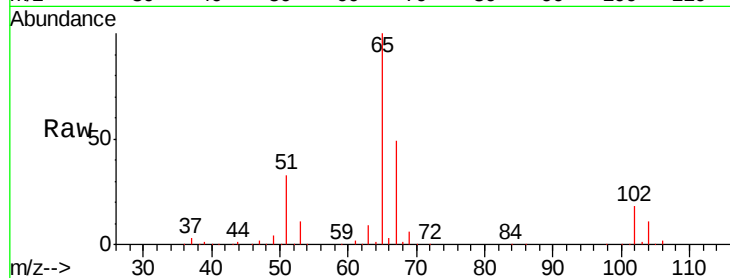
VX1030WBS01

Tgt Ion: 65 Resp: 136810

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX005535.D (-793) (-)

Ion 66.90 (66.60 to 67.60): VX005535.D (-793) (-)

6.06

50000

40000

30000

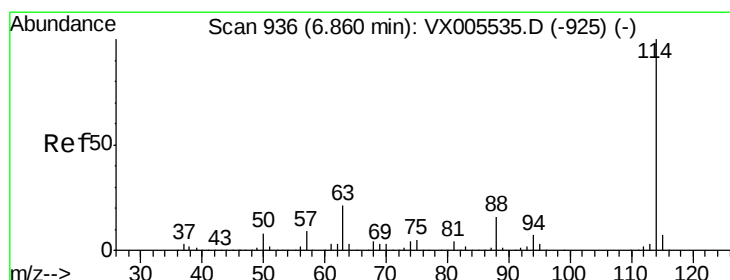
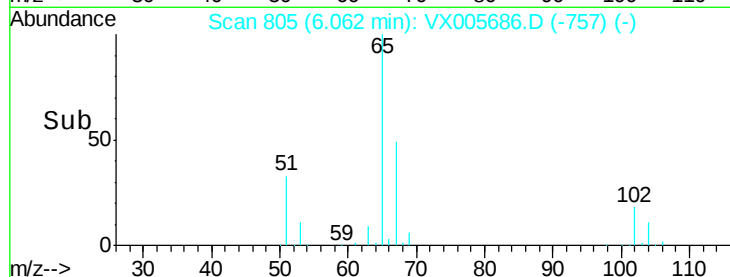
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

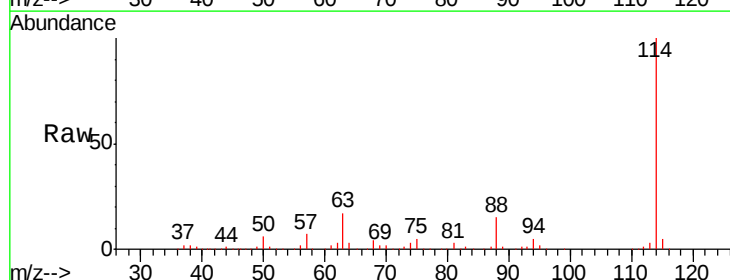
Tgt Ion: 114 Resp: 353872

Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.8

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VX005535.D (-925) (-)

Ion 63.00 (62.70 to 63.70): VX005535.D (-925) (-)

Ion 87.90 (87.60 to 88.60): VX005535.D (-925) (-)

6.85

200000

150000

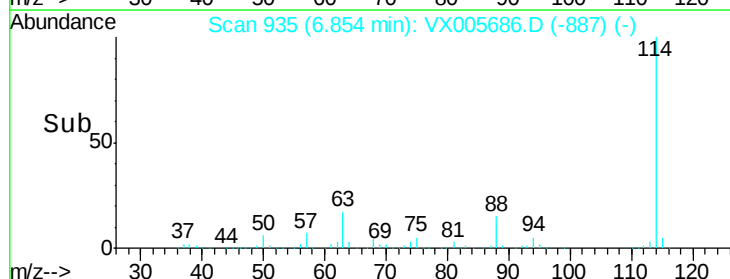
100000

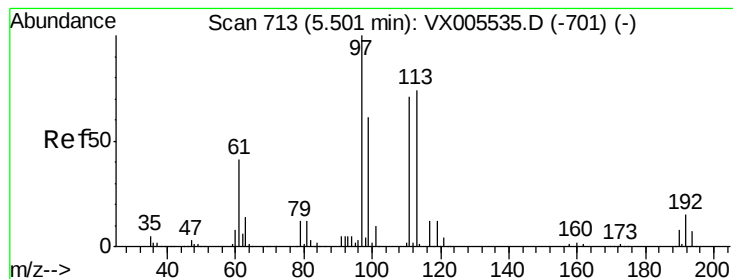
50000

0

6.80 7.00

Time-->





#35

Dibromofluoromethane

Concen: 47.39 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

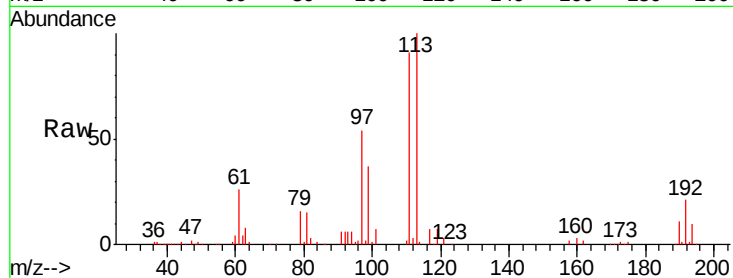
Tgt Ion:113 Resp: 113557

Ion Ratio Lower Upper

113 100

111 103.6 82.3 123.5

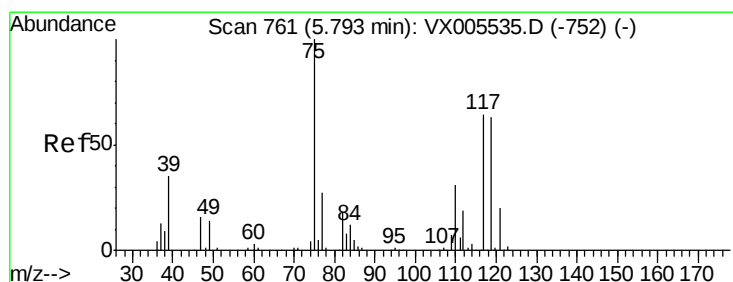
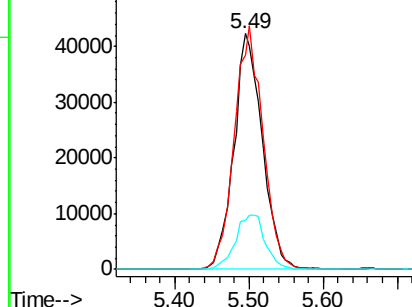
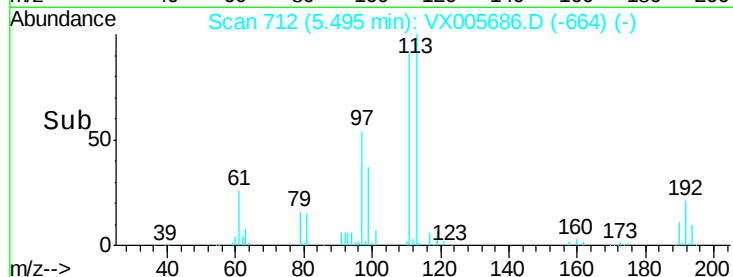
192 24.2 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.63 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

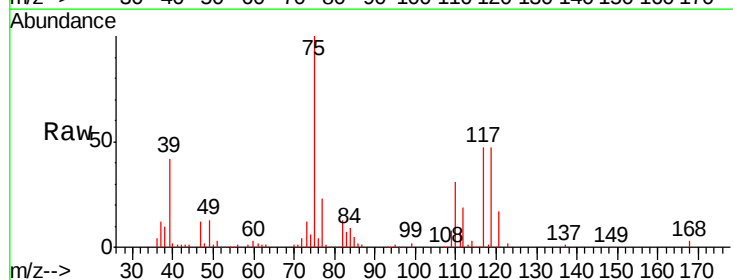
Tgt Ion: 75 Resp: 63987

Ion Ratio Lower Upper

75 100

110 35.6 17.4 52.2

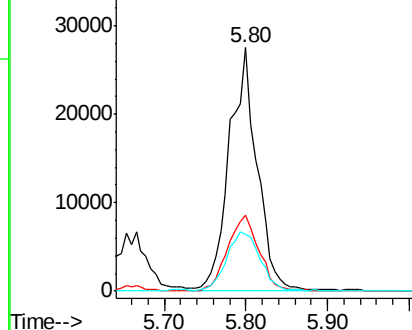
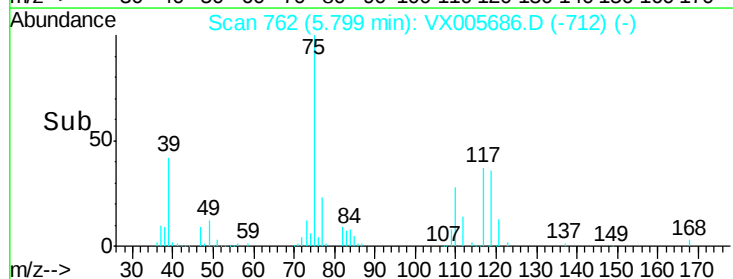
77 30.0 25.8 38.6

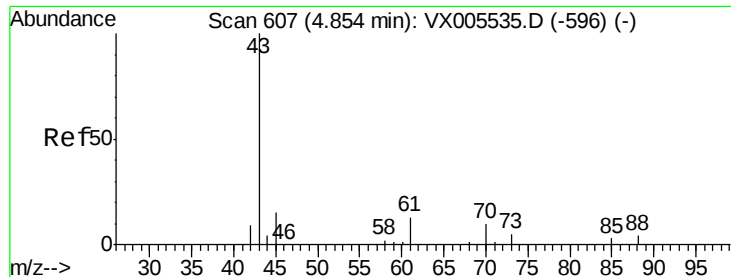


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.03 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

VX1030WBS01

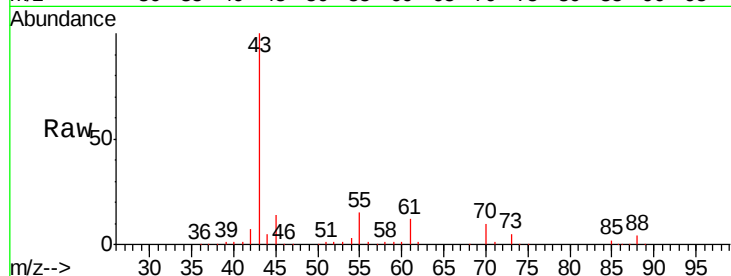
Tgt Ion: 43 Resp: 83402

Ion Ratio Lower Upper

43 100

61 14.1 10.8 16.2

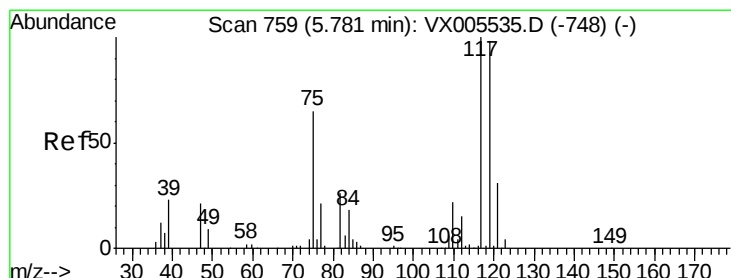
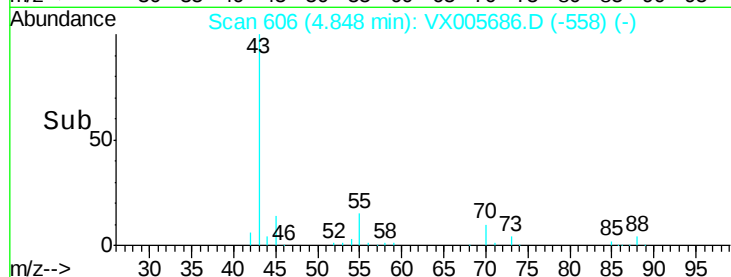
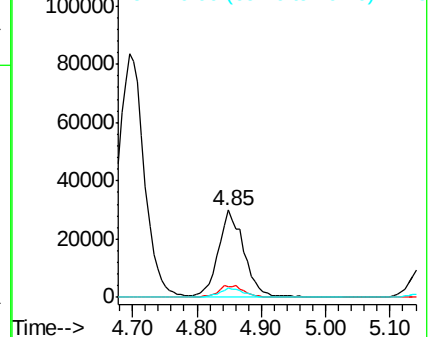
70 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-596) (-)

Ion 60.90 (60.60 to 61.60): VX005535.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX005535.D (-596) (-)



#38

Carbon Tetrachloride

Concen: 17.86 ug/l

RT: 5.78 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

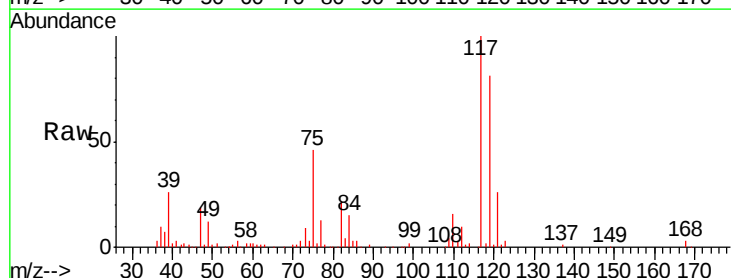
Tgt Ion: 117 Resp: 64609

Ion Ratio Lower Upper

117 100

119 81.2 78.1 117.1

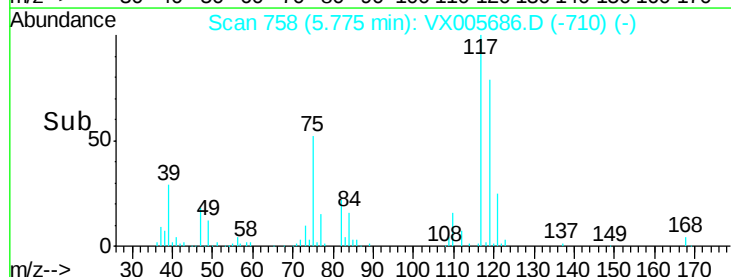
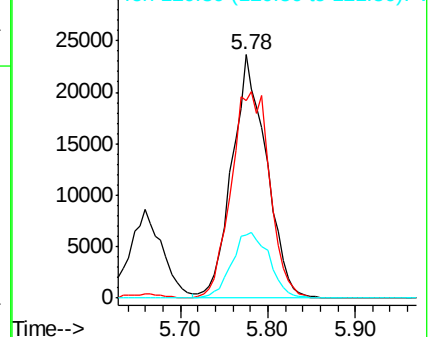
121 25.9 24.6 36.8

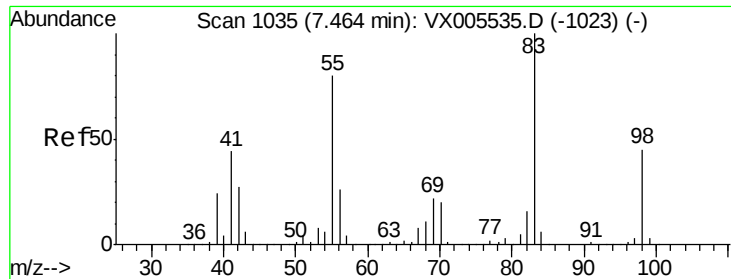


Abundance Ion 116.80 (116.50 to 117.50): VX005535.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX005535.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX005535.D (-748) (-)

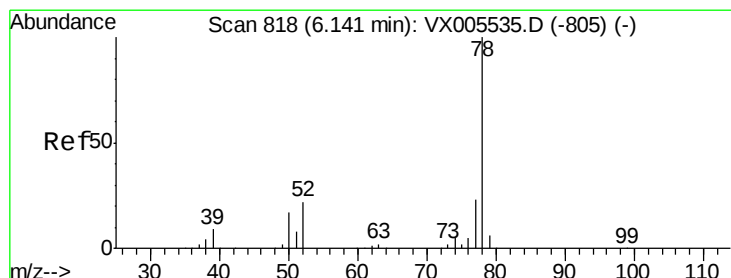
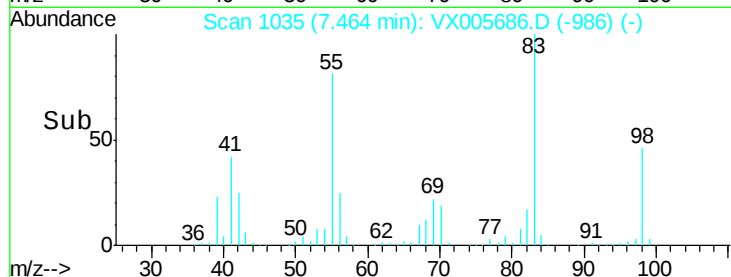
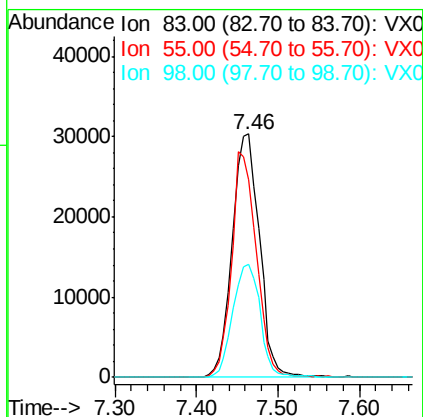
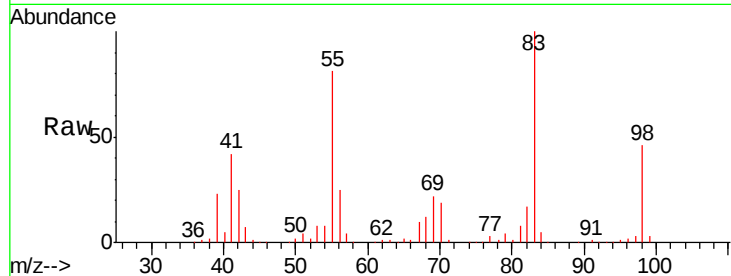




#39
Methylcyclohexane
Concen: 18.40 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

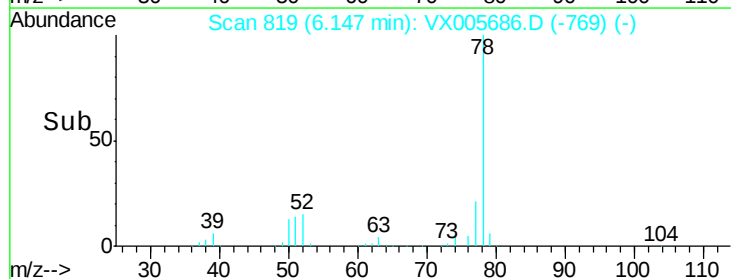
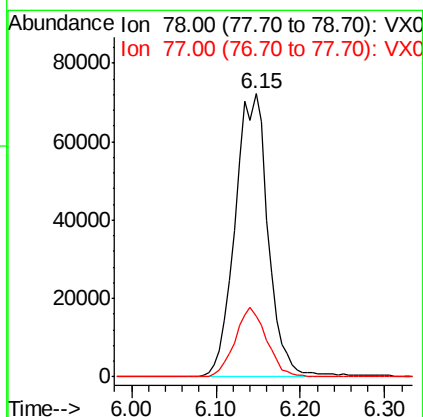
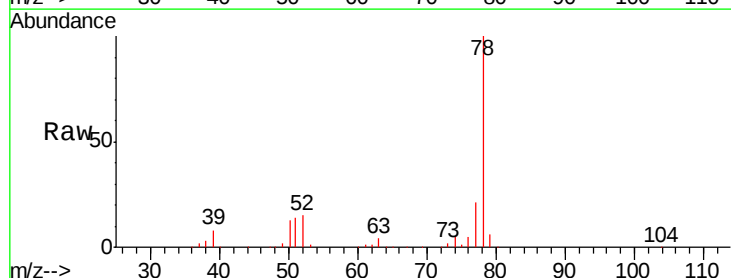
Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

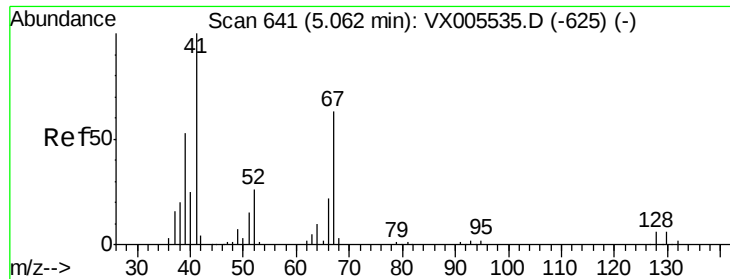
Tgt Ion: 83 Resp: 69780
Ion Ratio Lower Upper
83 100
55 81.3 63.7 95.5
98 46.5 36.2 54.2



#40
Benzene
Concen: 19.46 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 78 Resp: 191602
Ion Ratio Lower Upper
78 100
77 21.4 18.4 27.6





#41

Methacrylonitrile

Concen: 18.91 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

Tgt Ion: 41 Resp: 46160

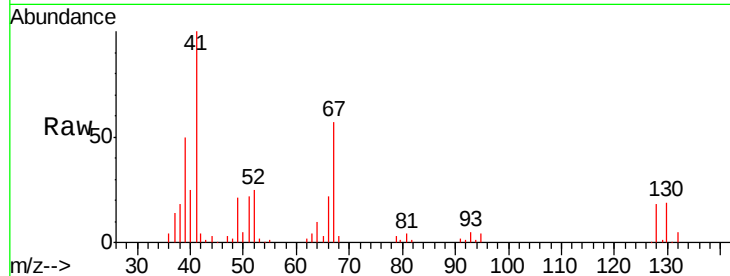
Ion Ratio Lower Upper

41 100

39 55.3 42.2 63.2

67 66.1 53.4 80.0

52 27.5 23.4 35.2

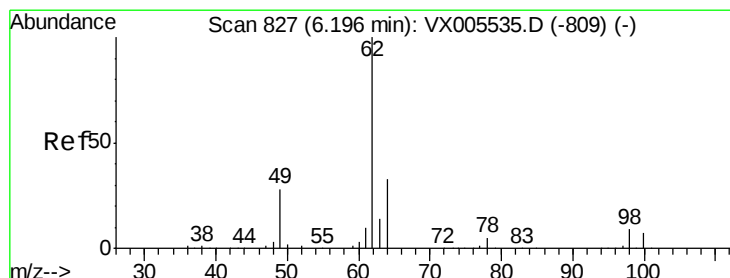
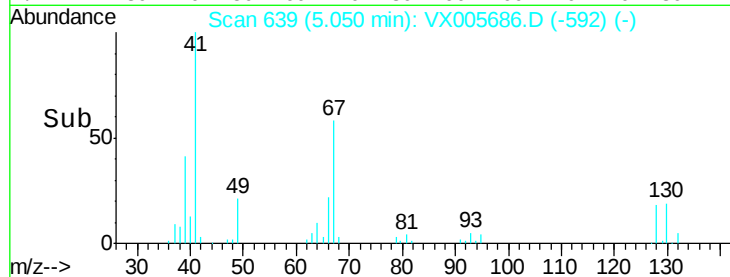
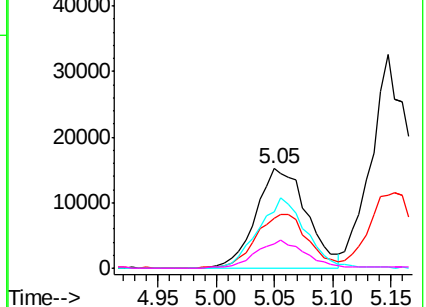


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.38 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX005686.D

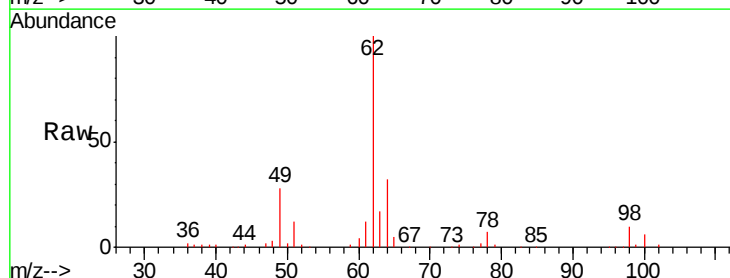
Acq: 30 Oct 2018 12:47

Tgt Ion: 62 Resp: 68745

Ion Ratio Lower Upper

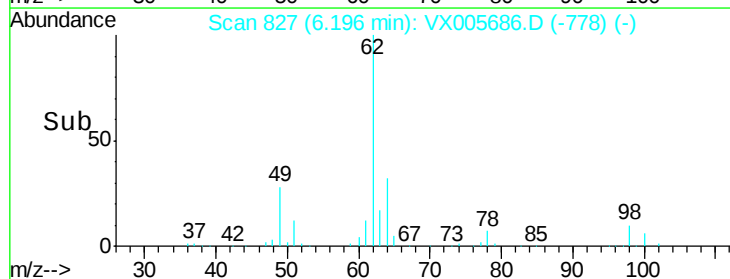
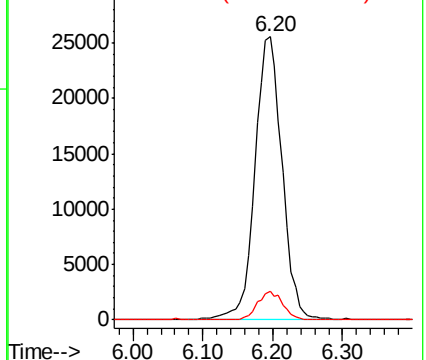
62 100

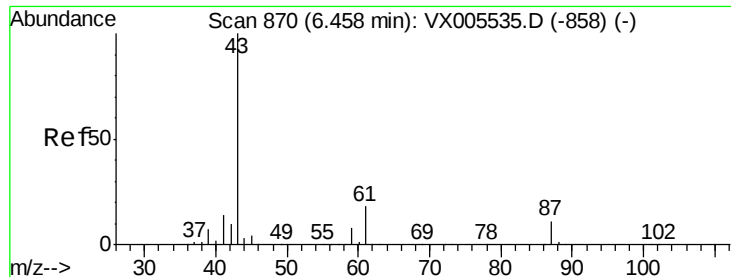
98 9.4 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 17.95 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

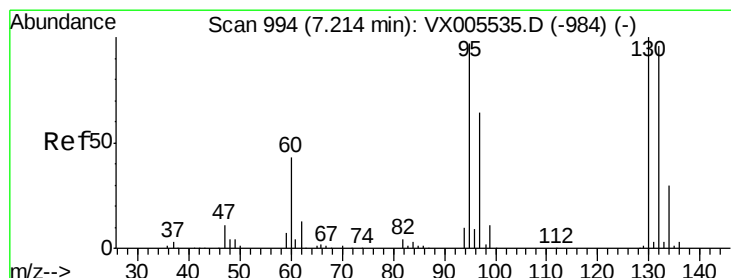
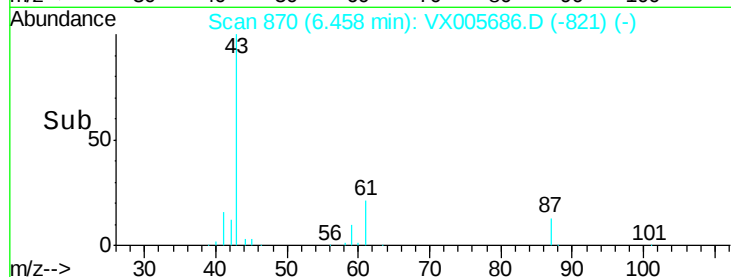
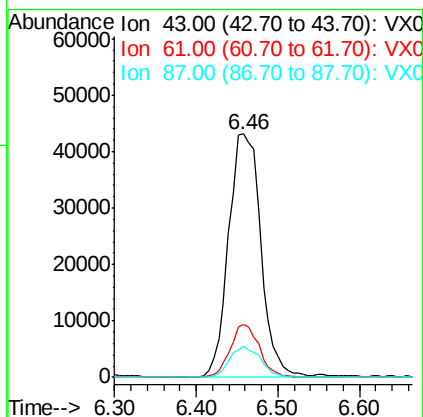
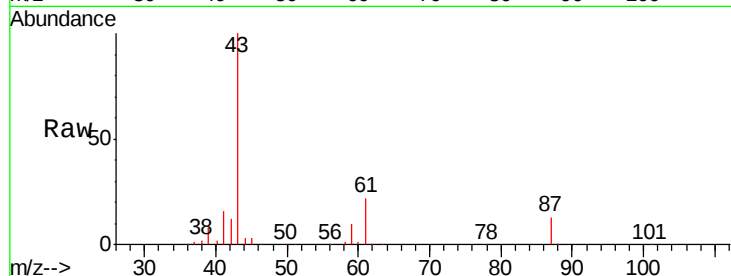
Tgt Ion: 43 Resp: 117855

Ion Ratio Lower Upper

43 100

61 19.7 14.6 22.0

87 12.1 9.6 14.4



#44

Trichloroethene

Concen: 17.93 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005686.D

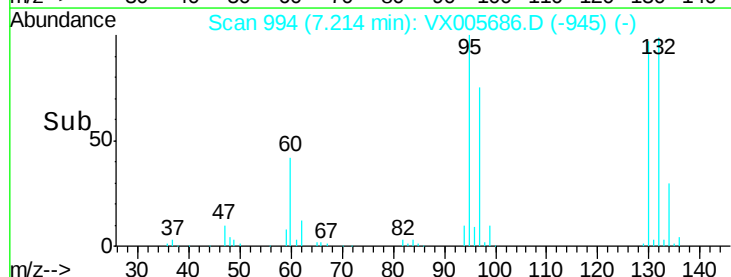
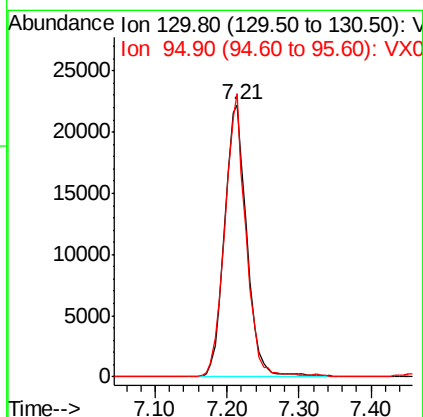
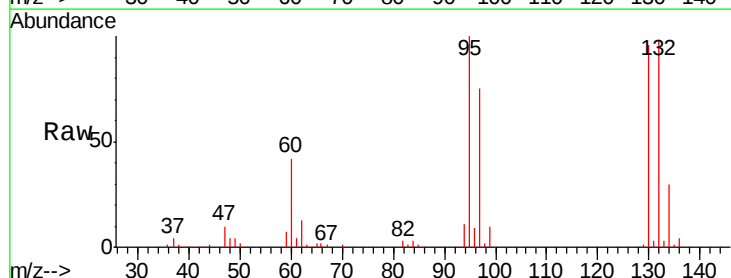
Acq: 30 Oct 2018 12:47

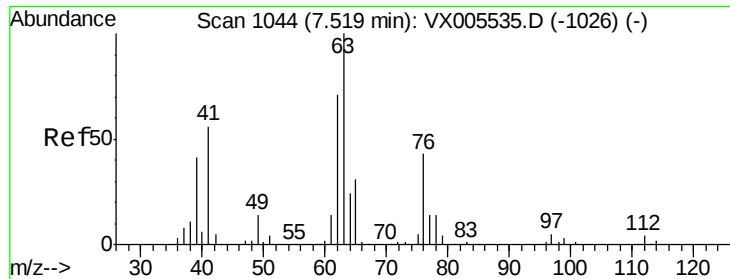
Tgt Ion: 130 Resp: 48089

Ion Ratio Lower Upper

130 100

95 103.9 0.0 194.2





#45

1,2-Dichloropropane

Concen: 17.37 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

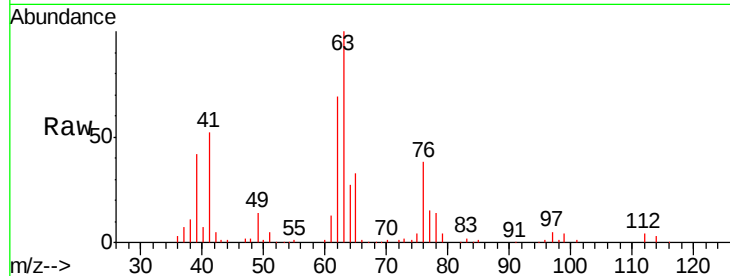
VX1030WBS01

Tgt Ion: 63 Resp: 45971

Ion Ratio Lower Upper

63 100

65 32.9 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

25000

20000

15000

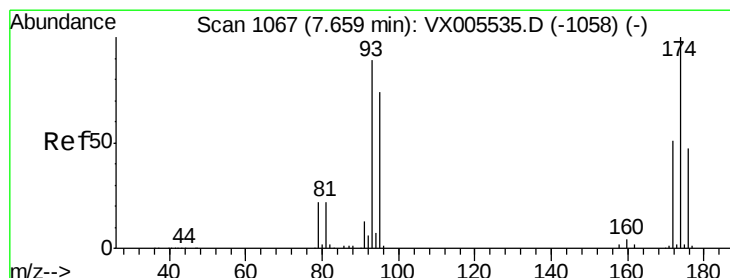
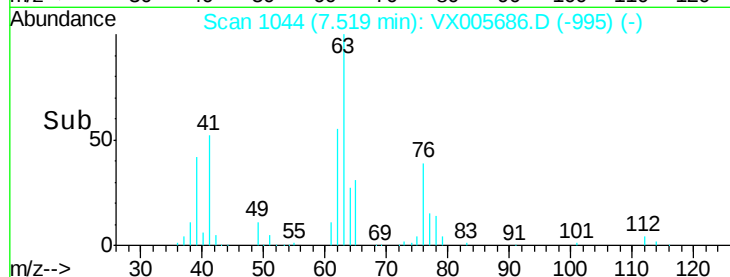
10000

5000

0

7.45 7.50 7.55 7.60

Time-->



#46

Dibromomethane

Concen: 17.97 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

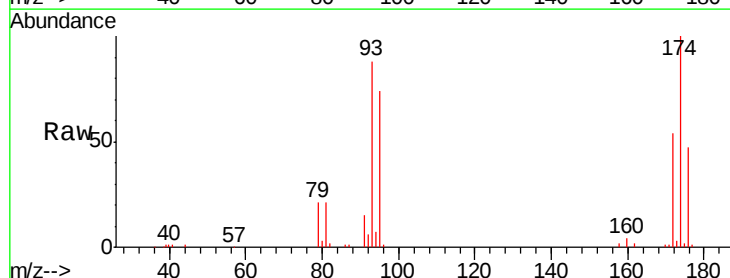
Tgt Ion: 93 Resp: 30723

Ion Ratio Lower Upper

93 100

95 82.1 67.4 101.0

174 115.6 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

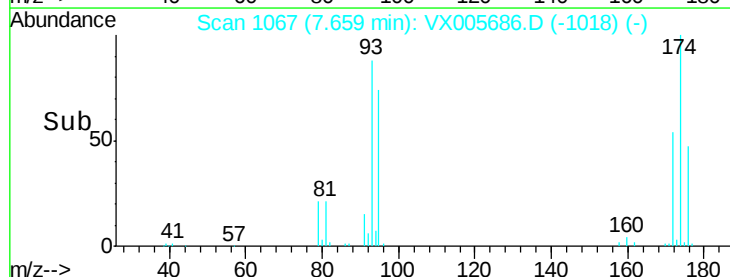
10000

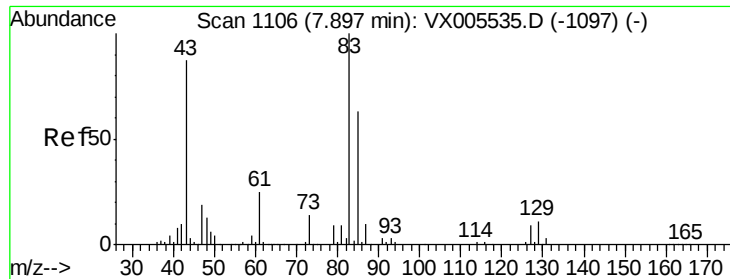
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 17.33 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

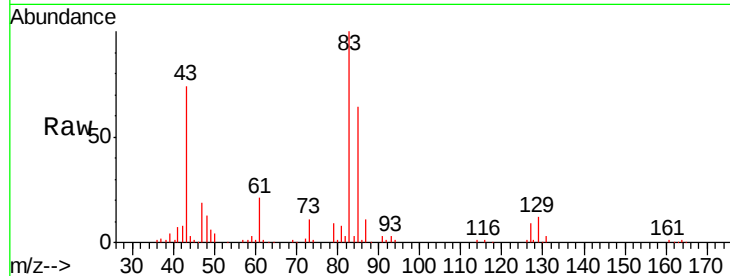
Tgt Ion: 83 Resp: 57501

Ion Ratio Lower Upper

83 100

85 63.9 50.2 75.4

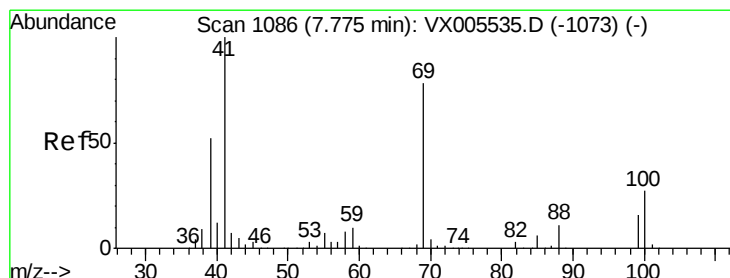
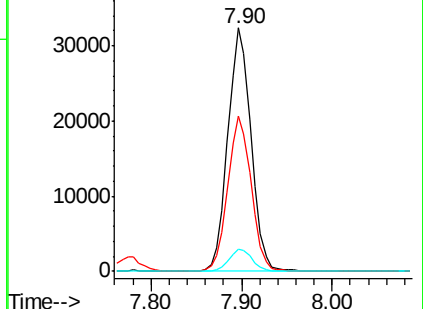
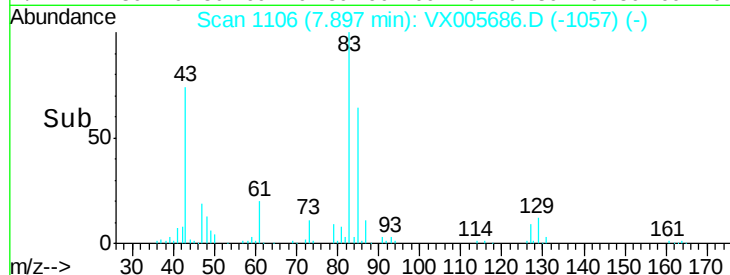
127 8.9 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.32 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

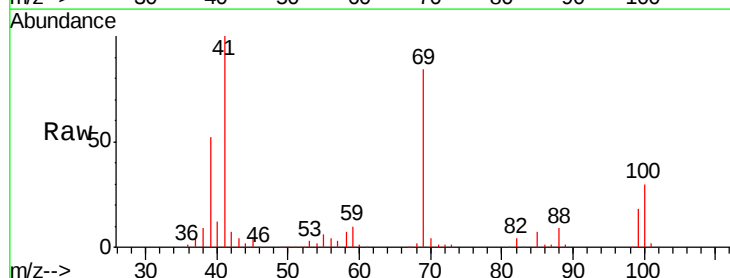
Tgt Ion: 41 Resp: 55404

Ion Ratio Lower Upper

41 100

69 80.9 63.2 94.8

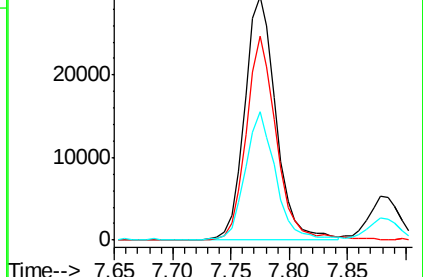
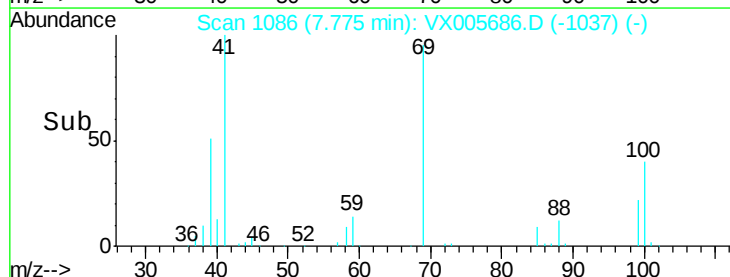
39 50.7 42.2 63.2

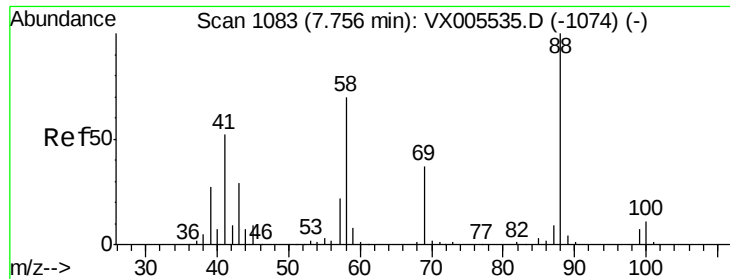


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

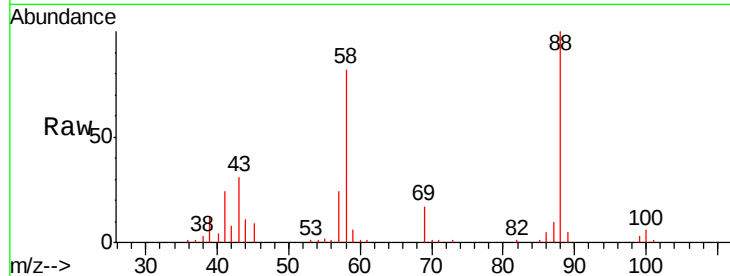




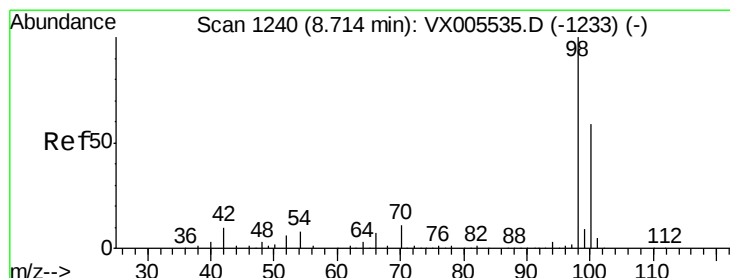
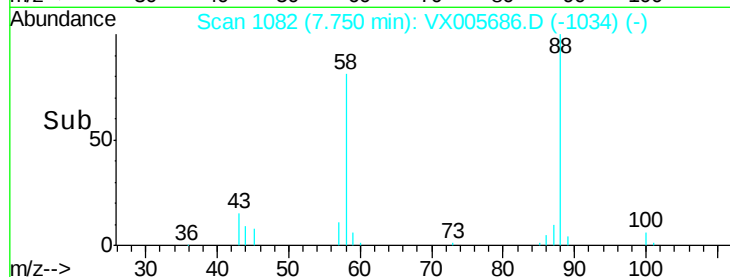
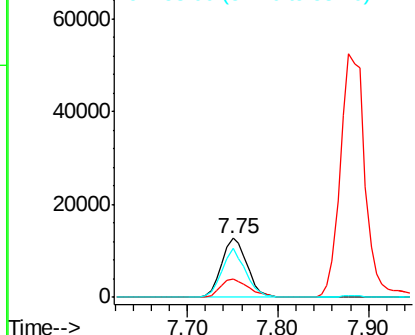
#49
1,4-Dioxane
Concen: 359.02 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion: 88 Resp: 25100
Ion Ratio Lower Upper
88 100
43 35.6 27.4 41.0
58 76.6 59.4 89.2

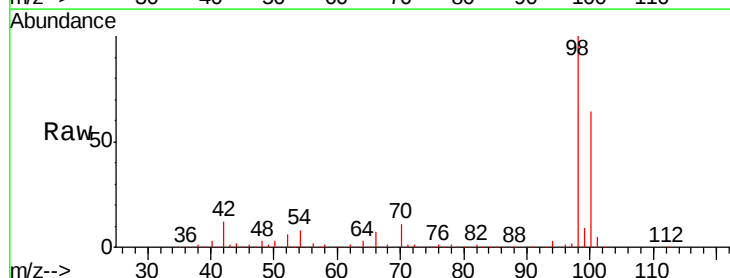


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

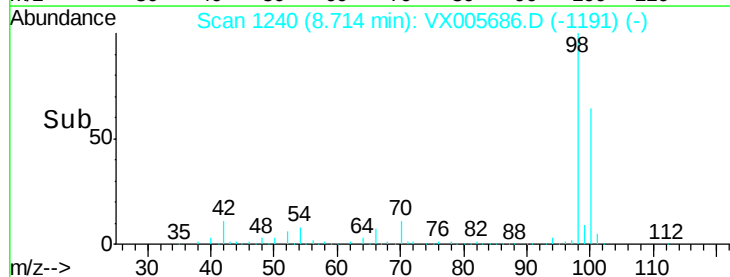
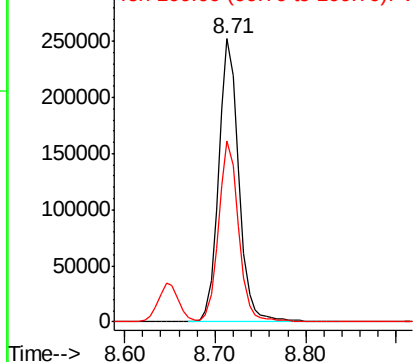


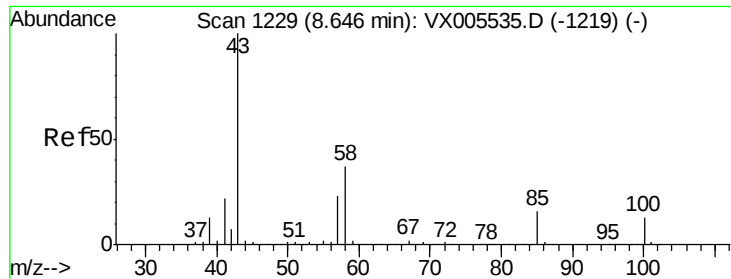
#50
Toluene-d8
Concen: 45.49 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 98 Resp: 391650
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 87.82 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampled :

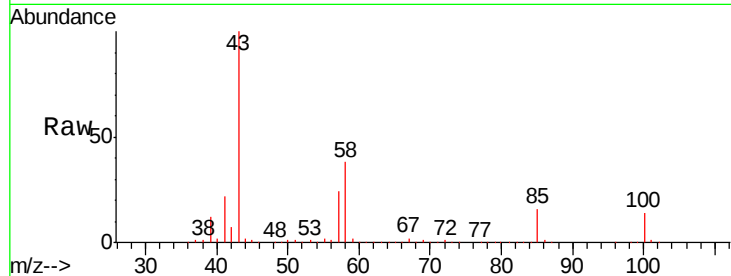
VX1030WBS01

Tgt Ion: 43 Resp: 387567

Ion Ratio Lower Upper

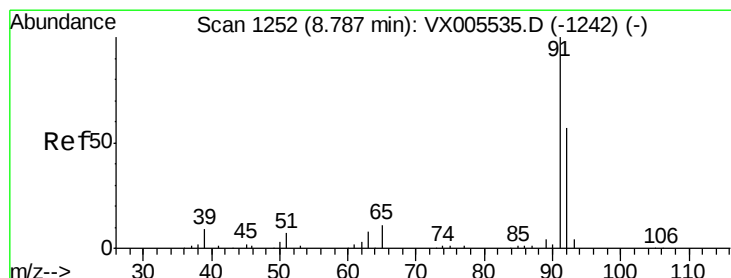
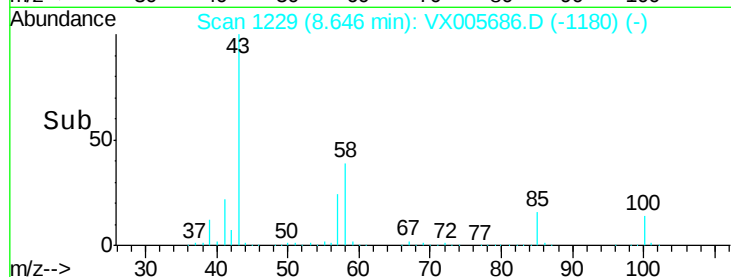
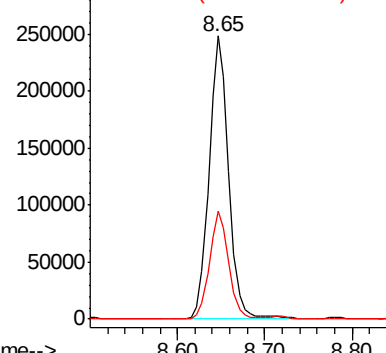
43 100

58 37.4 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 18.16 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005686.D

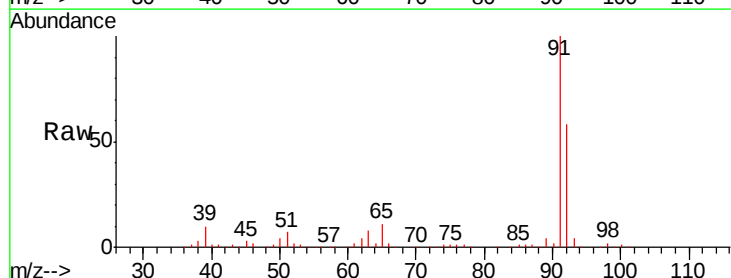
Acq: 30 Oct 2018 12:47

Tgt Ion: 92 Resp: 108634

Ion Ratio Lower Upper

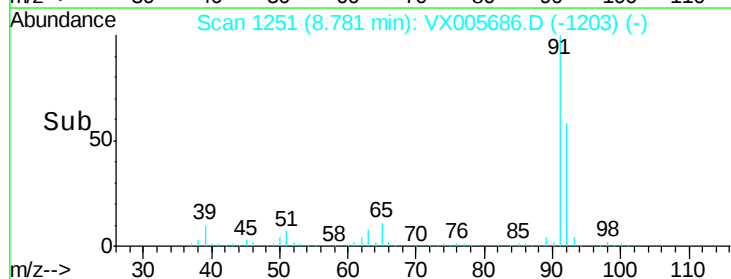
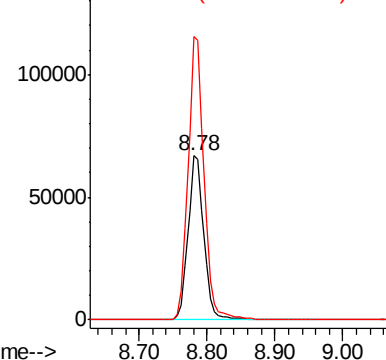
92 100

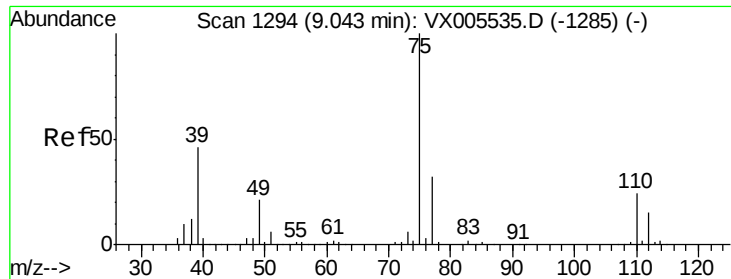
91 172.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 17.24 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

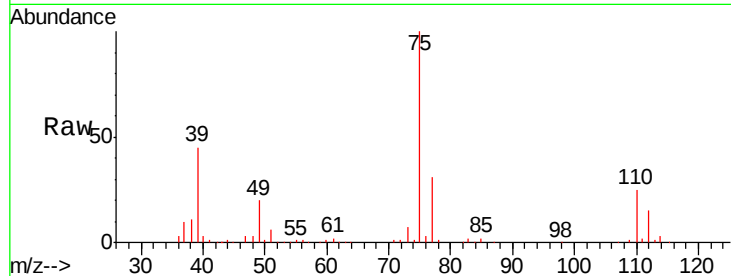
VX1030WBS01

Tgt Ion: 75 Resp: 61827

Ion Ratio Lower Upper

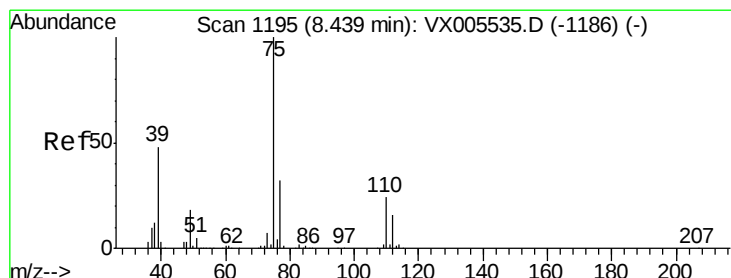
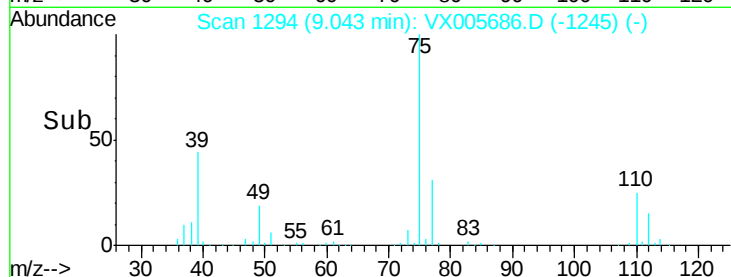
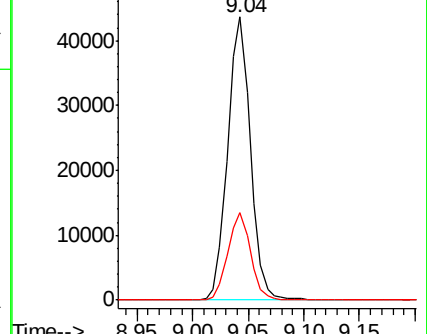
75 100

77 31.0 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 17.79 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

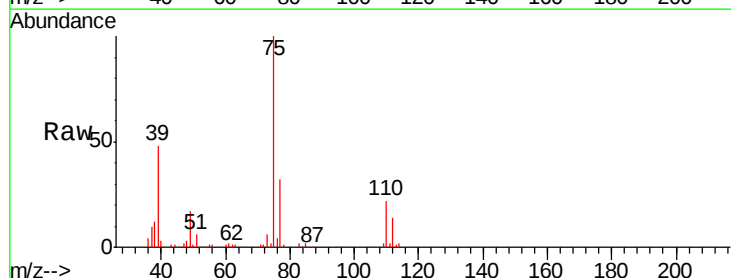
Tgt Ion: 75 Resp: 68663

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

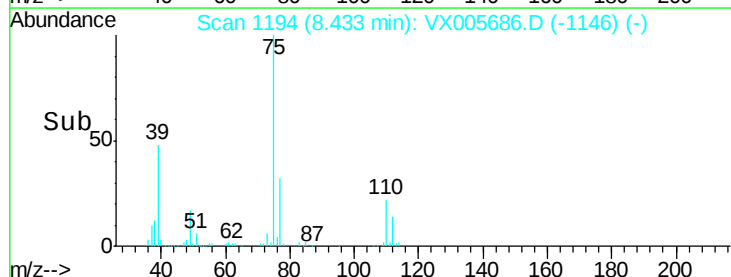
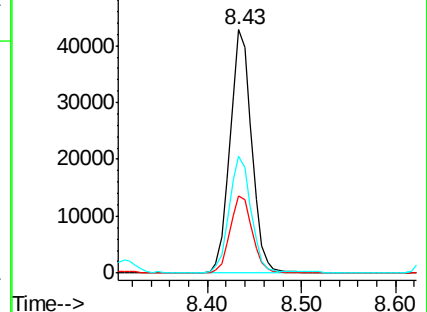
39 47.6 38.2 57.2

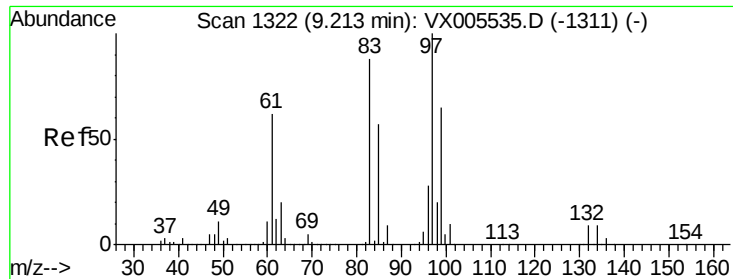


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

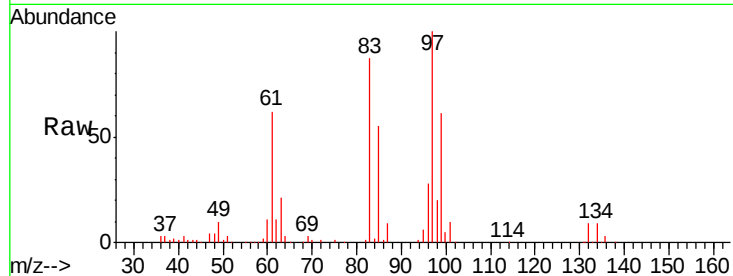




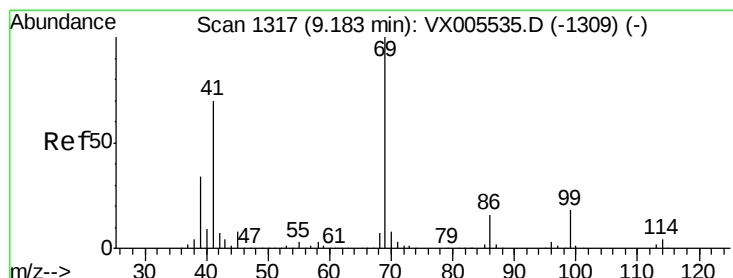
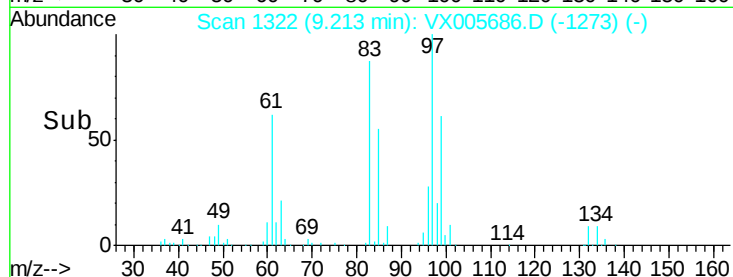
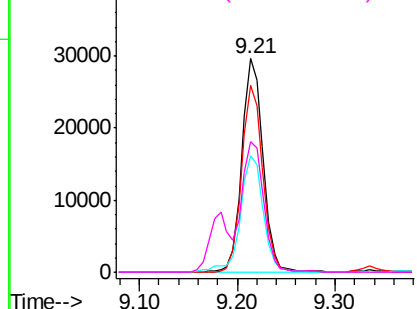
#55
 1,1,2-Trichloroethane
 Concen: 17.69 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

Tgt Ion: 97 Resp: 44626
 Ion Ratio Lower Upper
 97 100
 83 87.2 70.7 106.1
 85 54.6 45.8 68.6
 99 60.9 51.8 77.8

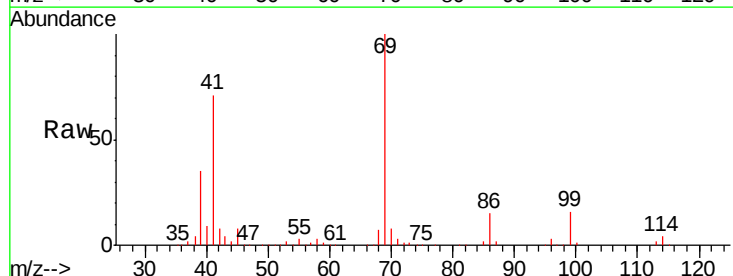


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

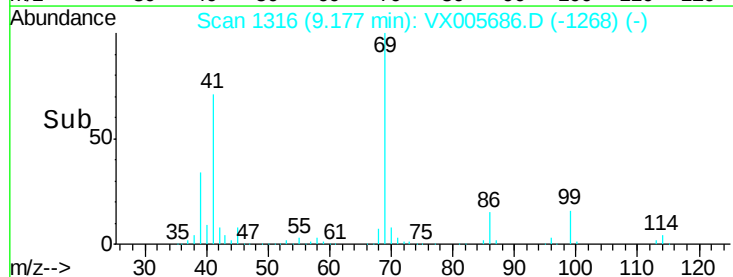
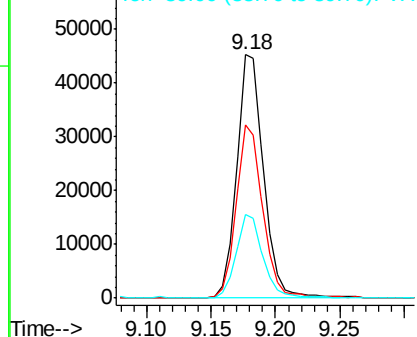


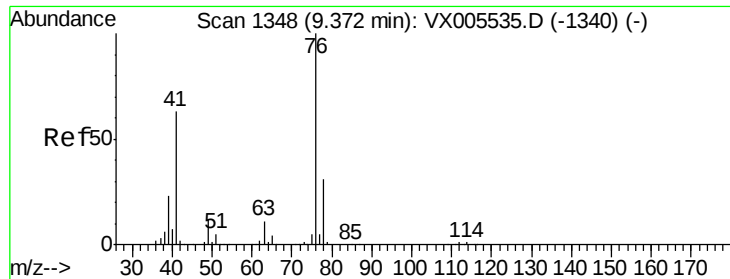
#56
 Ethyl methacrylate
 Concen: 17.37 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 69 Resp: 65355
 Ion Ratio Lower Upper
 69 100
 41 71.3 57.0 85.6
 39 33.5 28.3 42.5



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 17.52 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

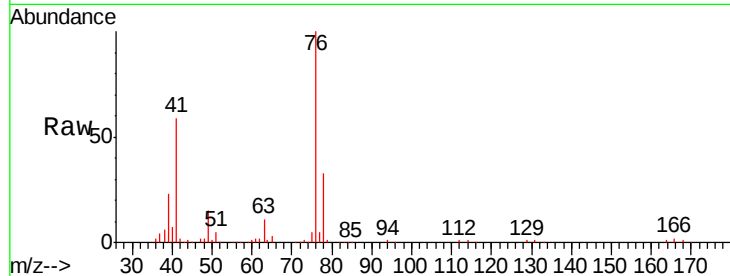
VX1030WBS01

Tgt Ion: 76 Resp: 74774

Ion Ratio Lower Upper

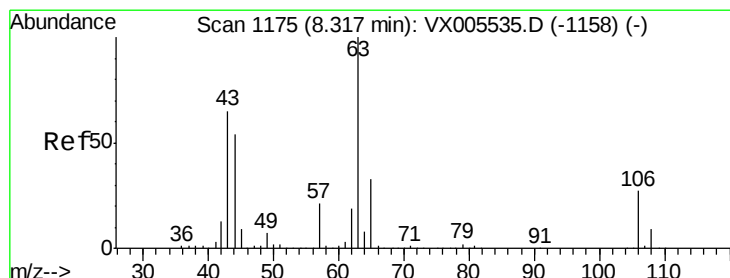
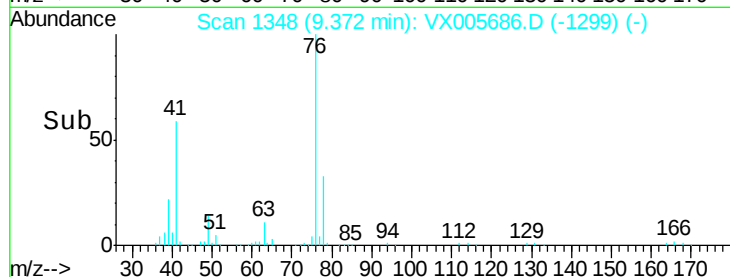
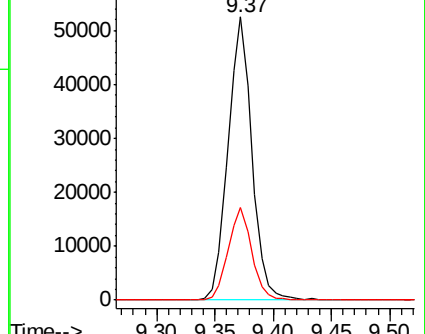
76 100

78 32.4 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 88.45 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005686.D

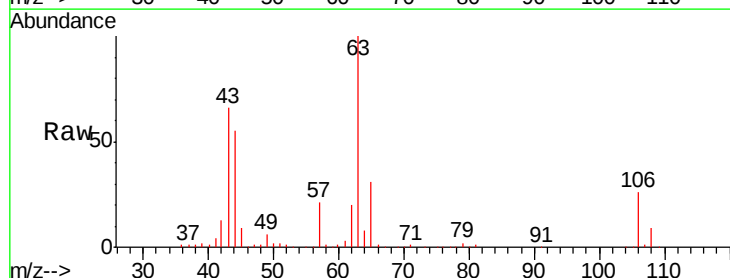
Acq: 30 Oct 2018 12:47

Tgt Ion: 63 Resp: 185871

Ion Ratio Lower Upper

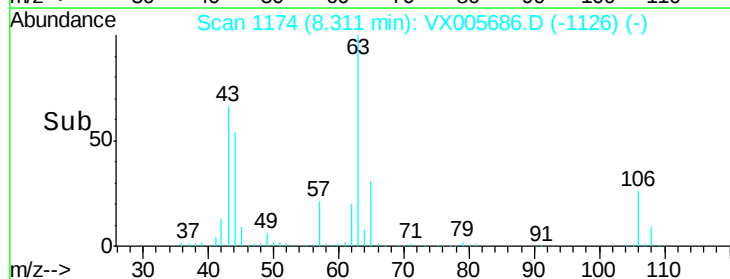
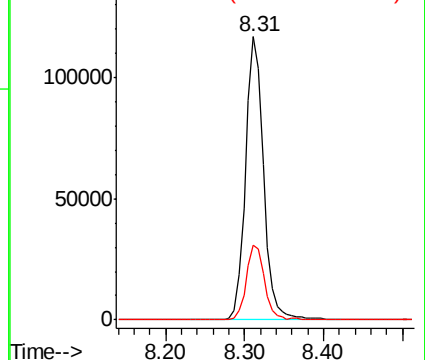
63 100

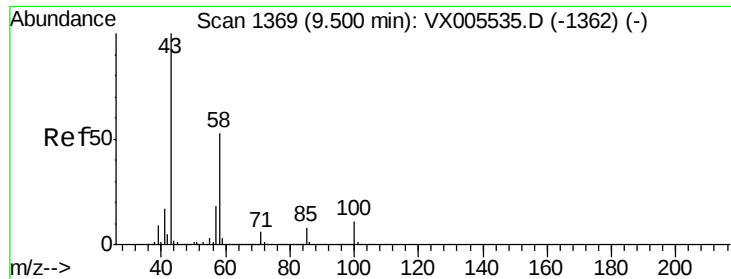
106 26.7 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

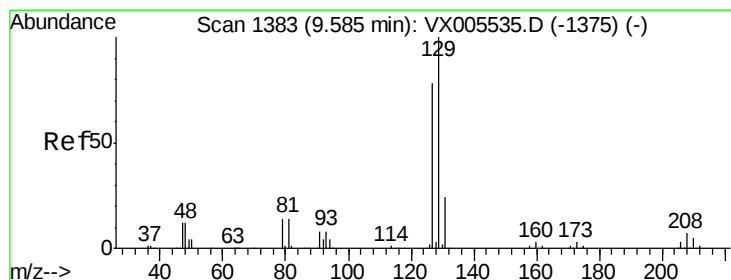
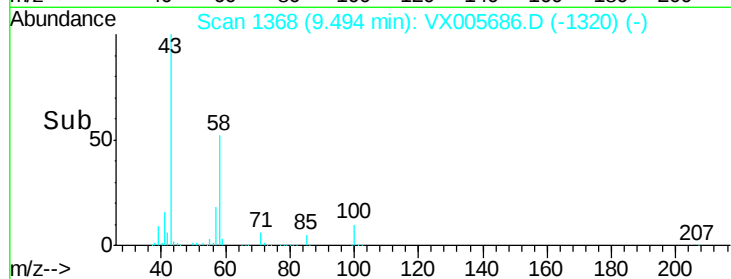
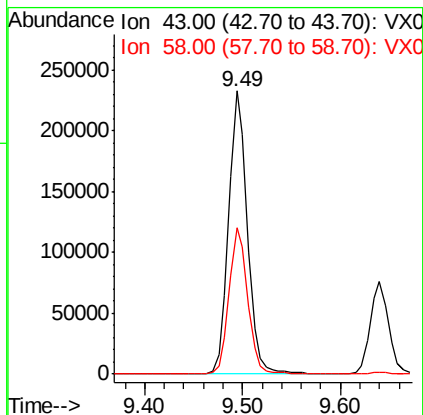
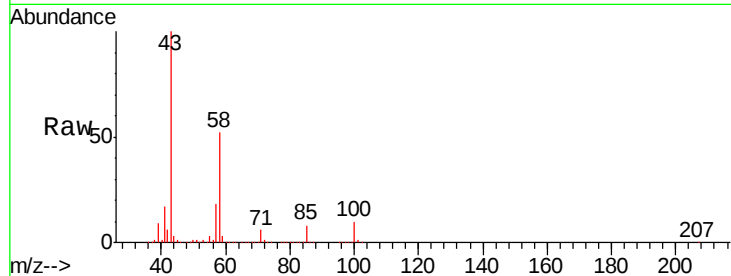




#59
2-Hexanone
Concen: 88.82 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

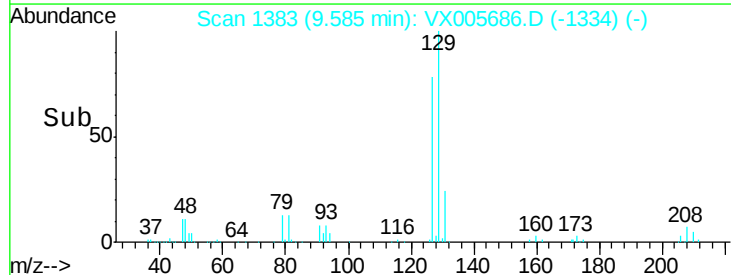
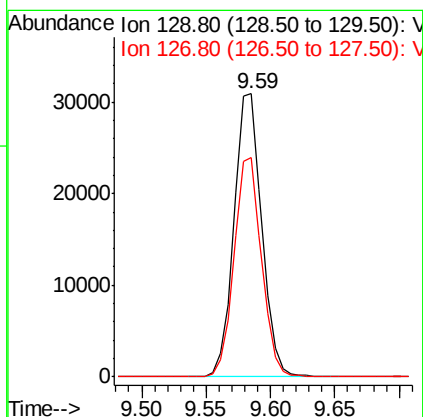
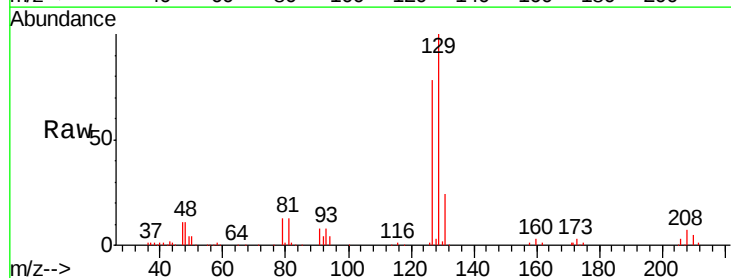
Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

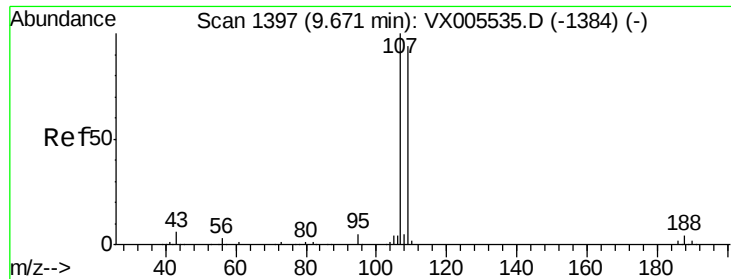
Tgt Ion: 43 Resp: 309083
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8



#60
Dibromochloromethane
Concen: 17.61 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion: 129 Resp: 46356
Ion Ratio Lower Upper
129 100
127 76.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.86 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

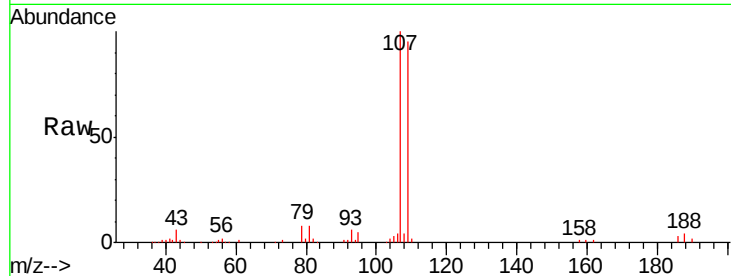
VX1030WBS01

Tgt Ion: 107 Resp: 46607

Ion Ratio Lower Upper

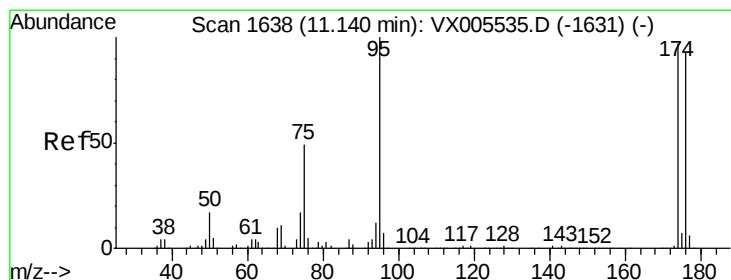
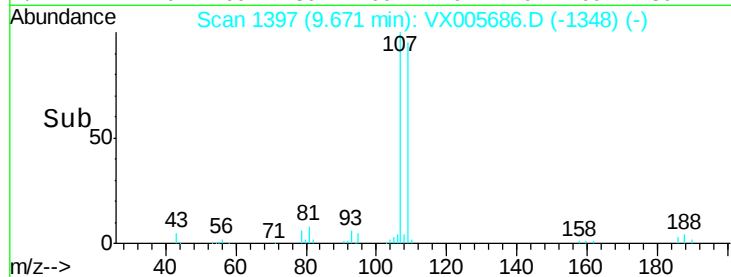
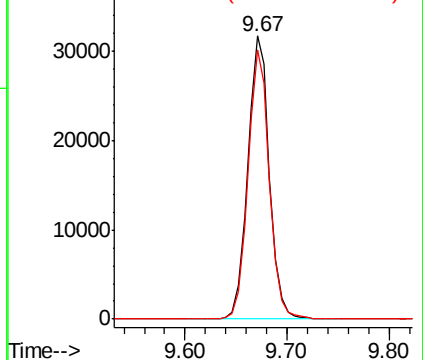
107 100

109 94.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.74 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

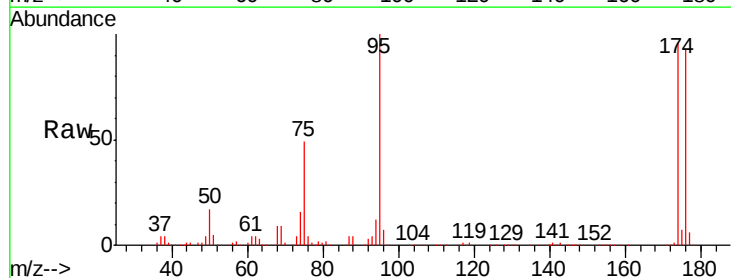
Tgt Ion: 95 Resp: 145468

Ion Ratio Lower Upper

95 100

174 92.5 0.0 184.4

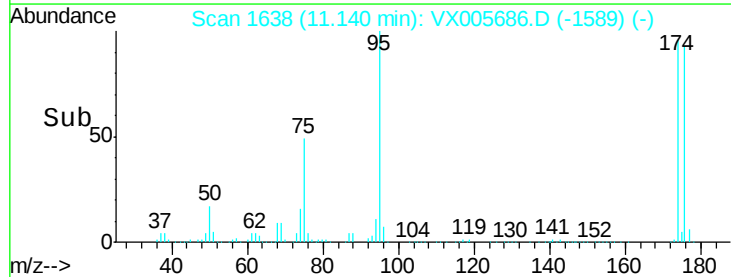
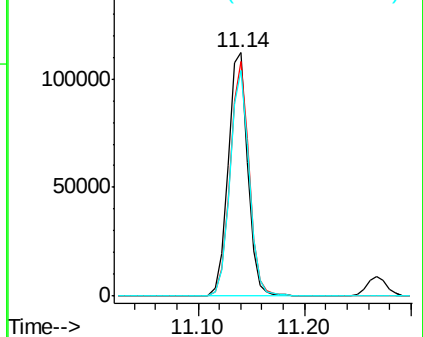
176 90.0 0.0 177.4

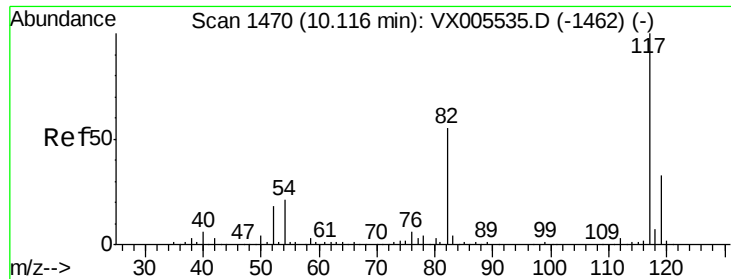


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

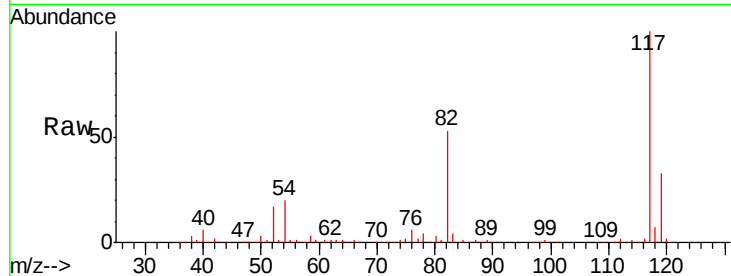




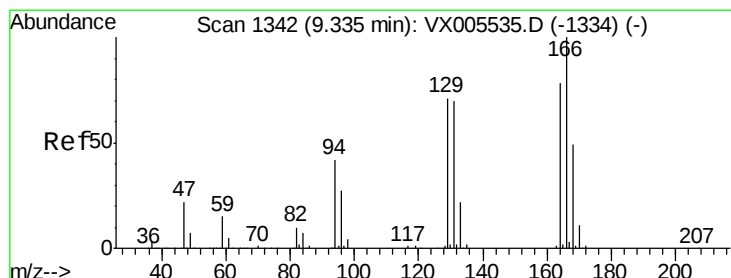
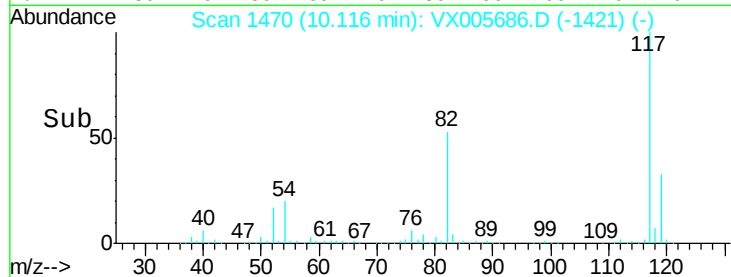
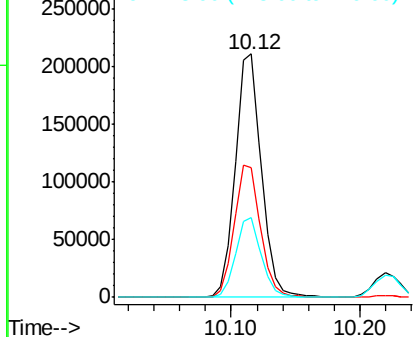
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampleId :
VX1030WBS01

Tgt Ion:117 Resp: 297437
Ion Ratio Lower Upper
117 100
82 53.1 44.1 66.1
119 32.5 26.2 39.2

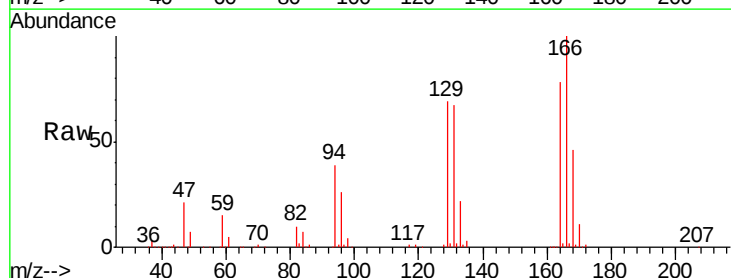


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

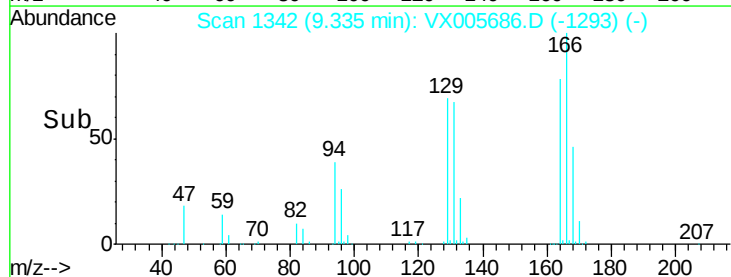
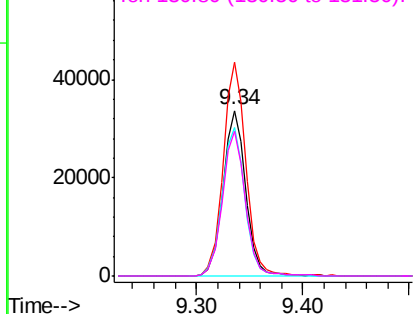


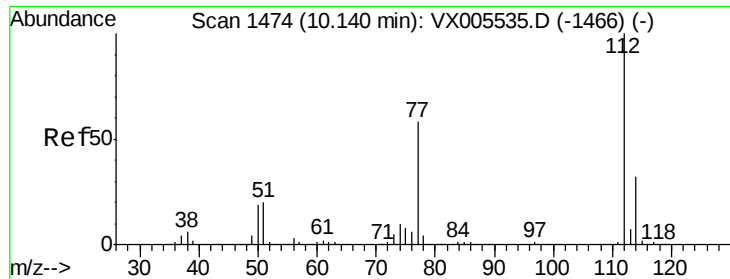
#64
Tetrachloroethene
Concen: 20.33 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion:164 Resp: 50204
Ion Ratio Lower Upper
164 100
166 128.9 101.9 152.9
129 89.5 72.6 109.0
131 86.9 71.1 106.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.15 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

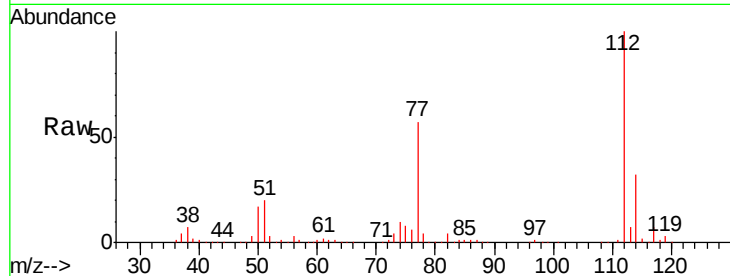
VX1030WBS01

Tgt Ion:112 Resp: 121304

Ion Ratio Lower Upper

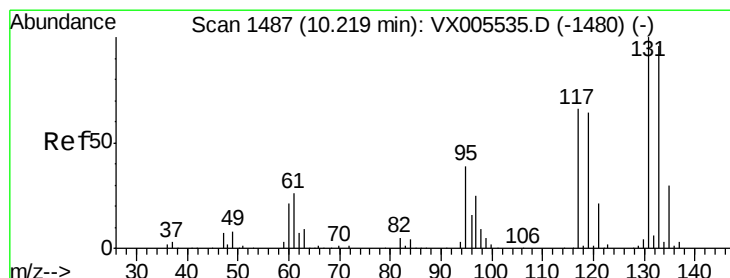
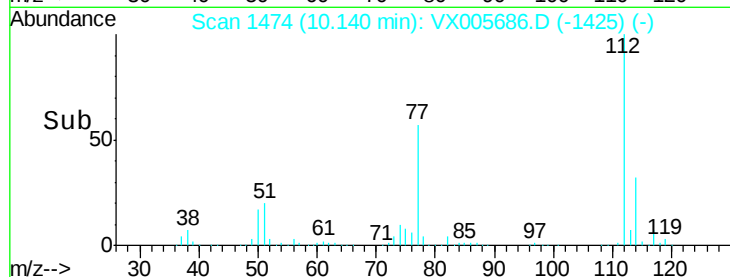
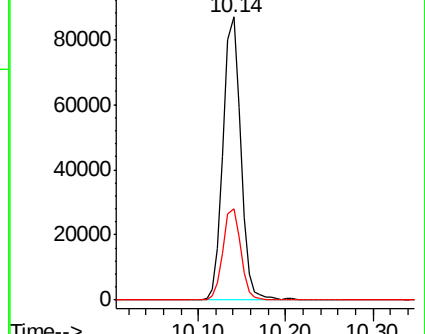
112 100

114 32.3 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.02 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

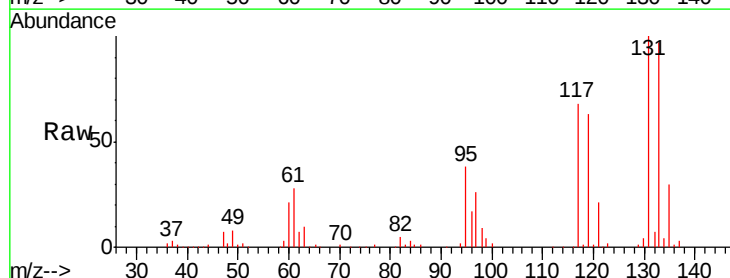
Tgt Ion:131 Resp: 43937

Ion Ratio Lower Upper

131 100

133 96.0 47.5 142.5

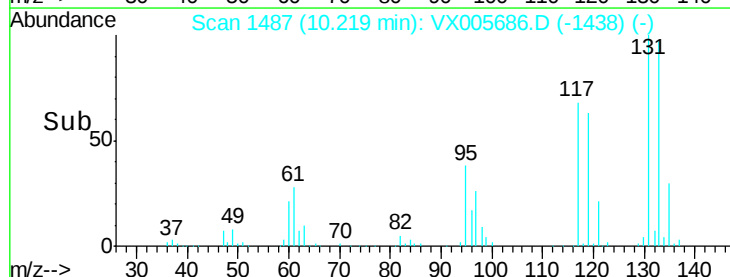
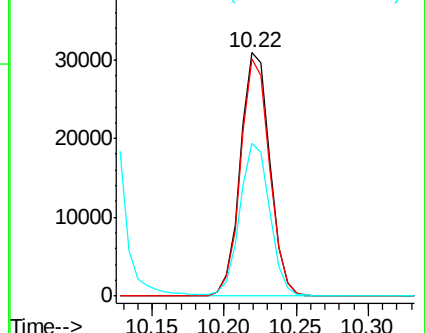
119 63.7 31.8 95.3

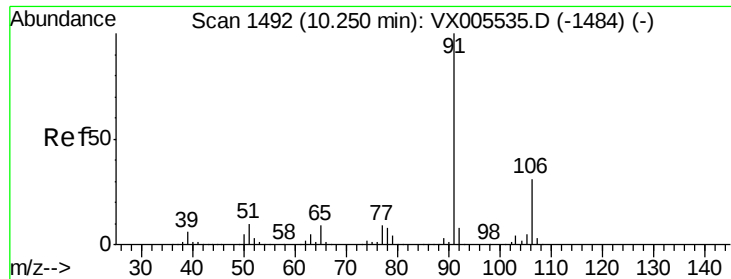


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.55 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

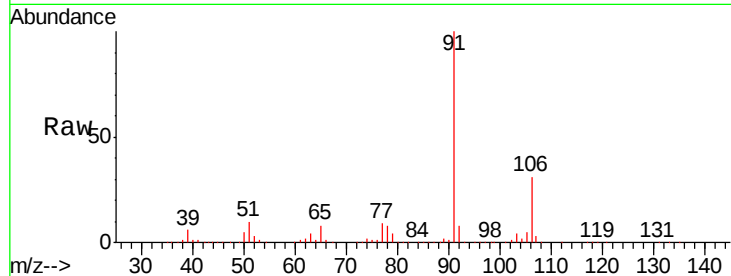
VX1030WBS01

Tgt Ion: 91 Resp: 203702

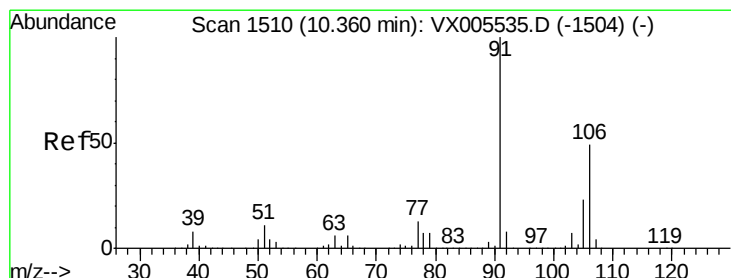
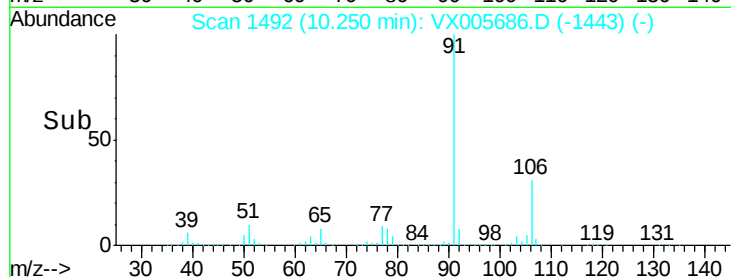
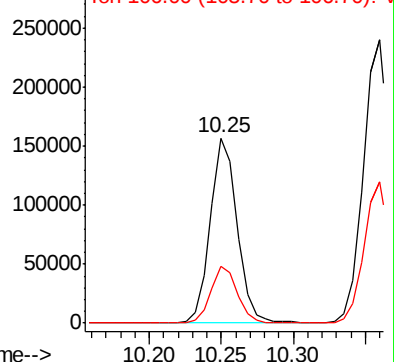
Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1484) (-)



#68

m/p-Xylenes

Concen: 39.54 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005686.D

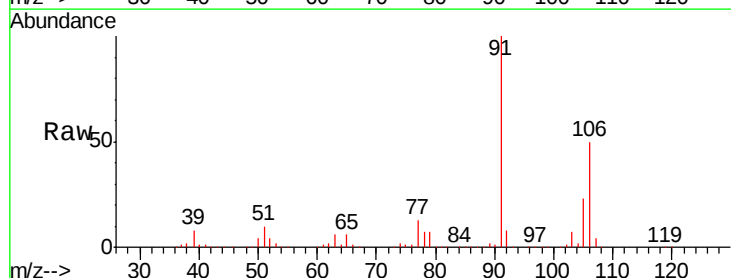
Acq: 30 Oct 2018 12:47

Tgt Ion: 106 Resp: 159877

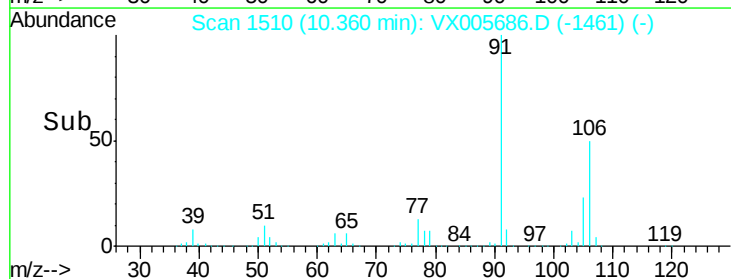
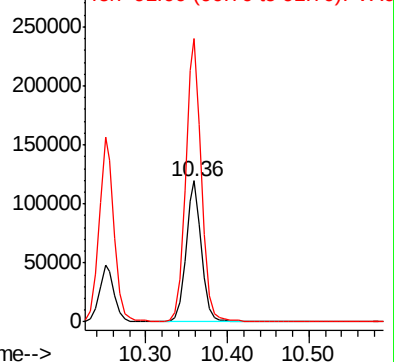
Ion Ratio Lower Upper

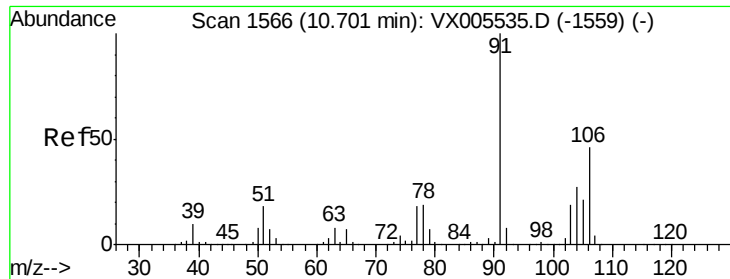
106 100

91 205.0 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005535.D (-1504) (-)

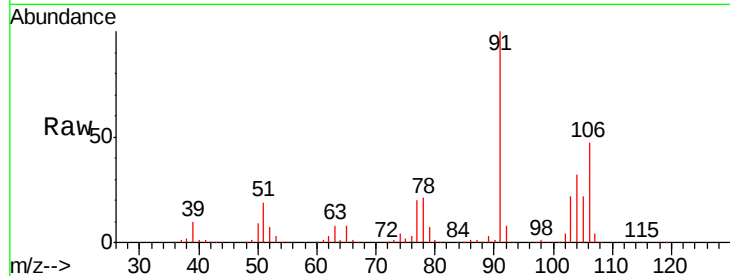




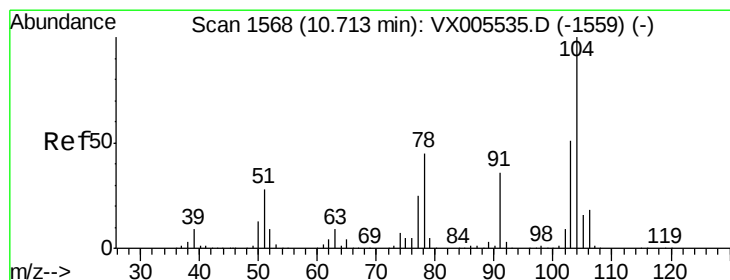
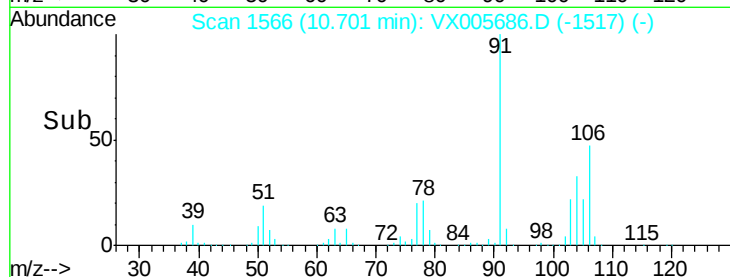
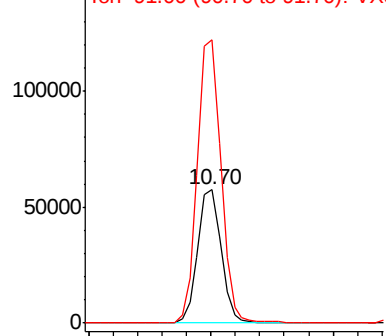
#69
o-Xylene
Concen: 20.13 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Instrument :
MSVOA_X
ClientSampled :
VX1030WBS01

Tgt Ion:106 Resp: 76583
Ion Ratio Lower Upper
106 100
91 214.6 108.5 325.5

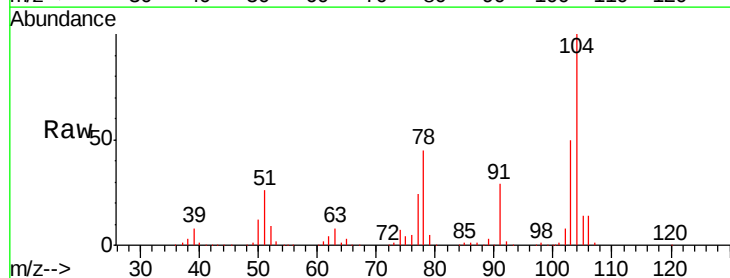


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

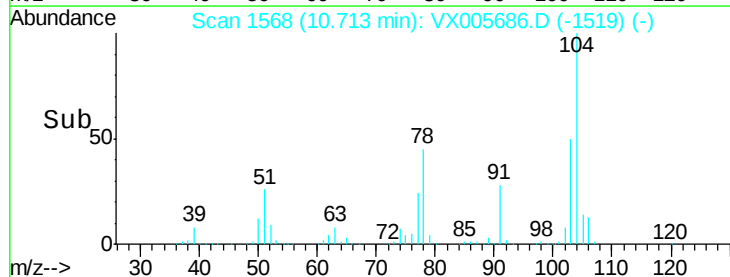
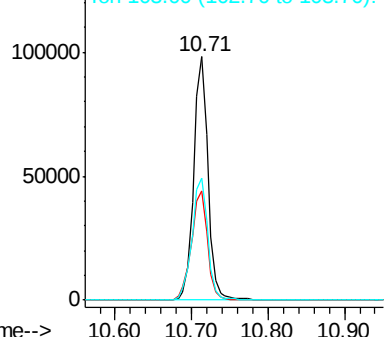


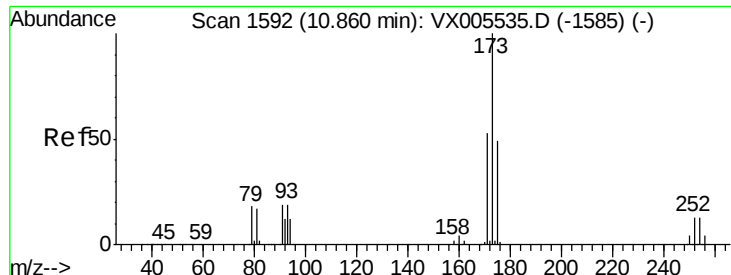
#70
Styrene
Concen: 19.93 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005686.D
Acq: 30 Oct 2018 12:47

Tgt Ion:104 Resp: 126935
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 55.6 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.95 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

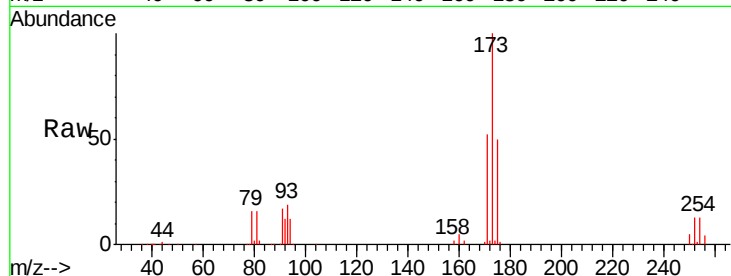
Tgt Ion:173 Resp: 36984

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.3

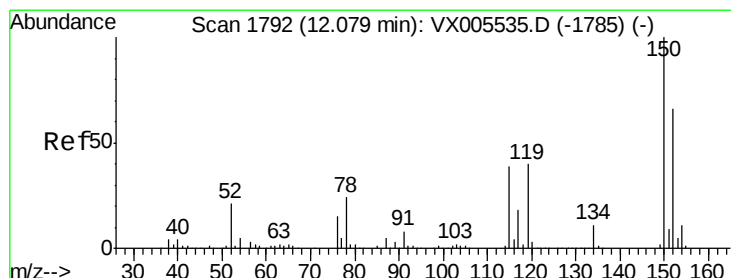
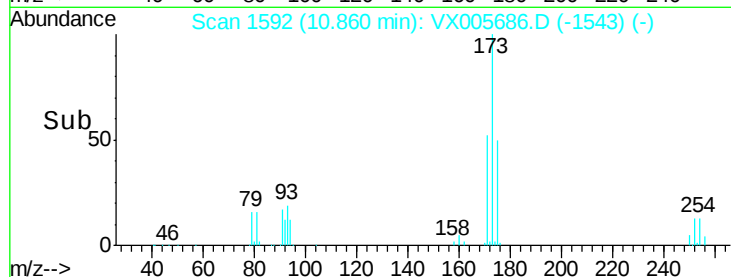
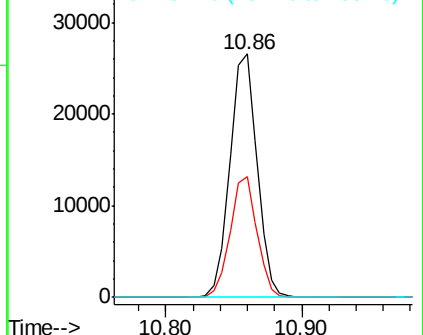
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

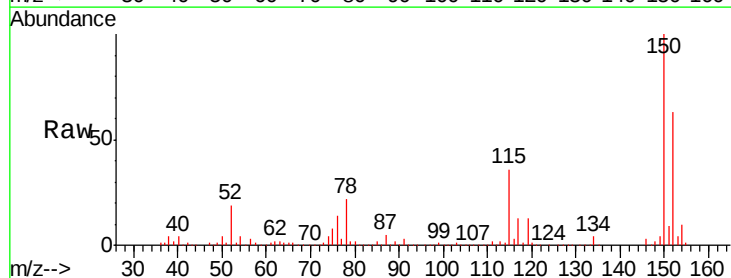
Tgt Ion:152 Resp: 167947

Ion Ratio Lower Upper

152 100

115 64.4 39.4 118.1

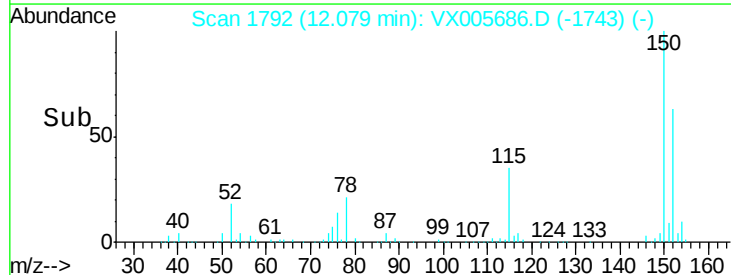
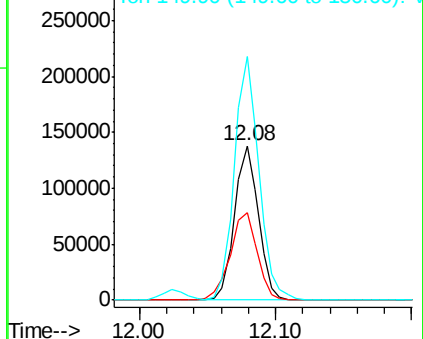
150 163.0 0.0 346.4

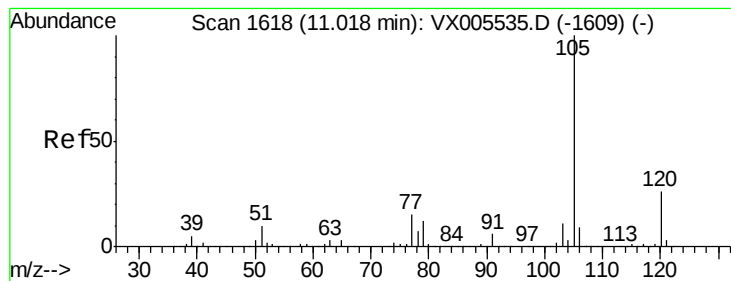


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.60 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

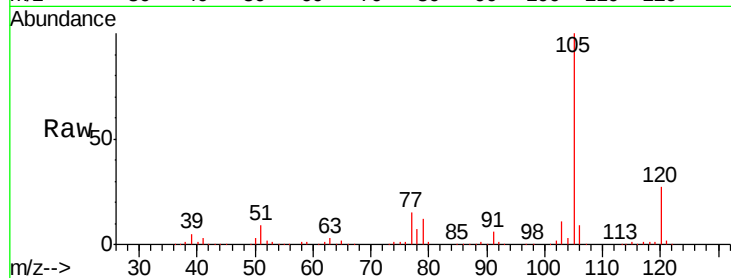
VX1030WBS01

Tgt Ion:105 Resp: 211525

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

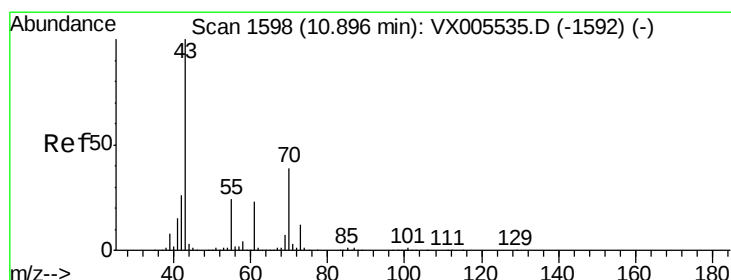
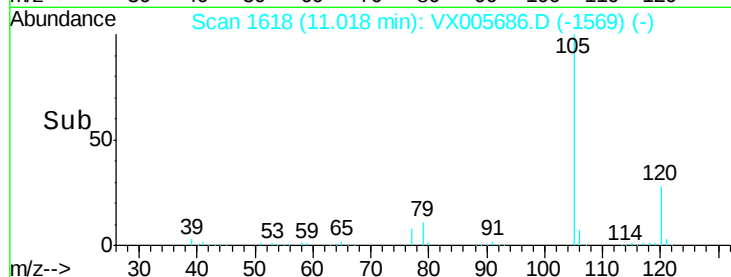
0

11.02

11.00

10.90

Time-->



#74

N-ethyl acetate

Concen: 18.64 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Tgt Ion: 43 Resp: 94836

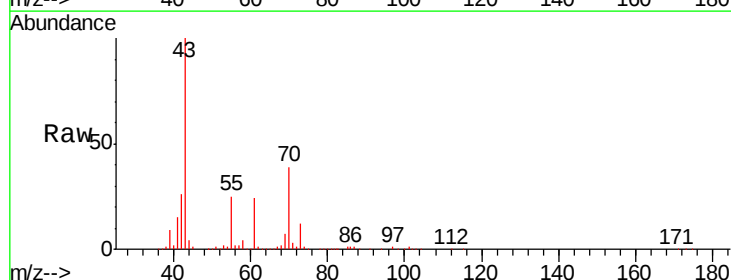
Ion Ratio Lower Upper

43 100

70 40.8 31.6 47.4

55 25.1 19.7 29.5

61 23.3 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

120000

100000

80000

60000

40000

20000

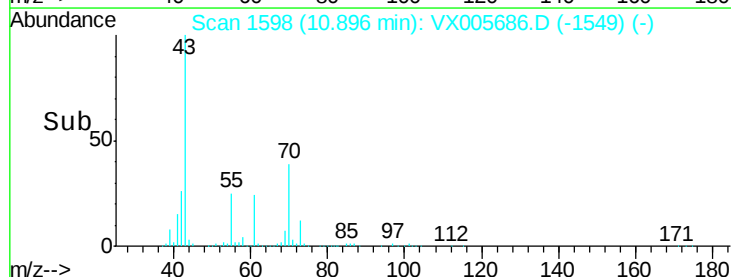
0

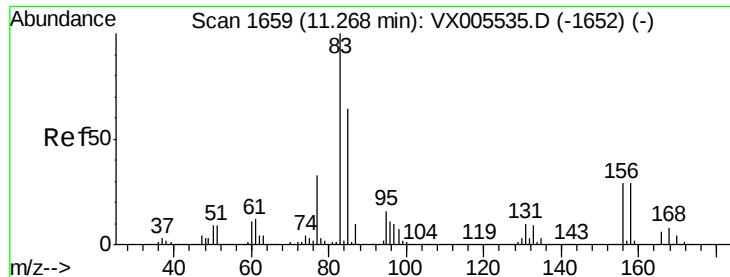
10.90

10.80

11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.80 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

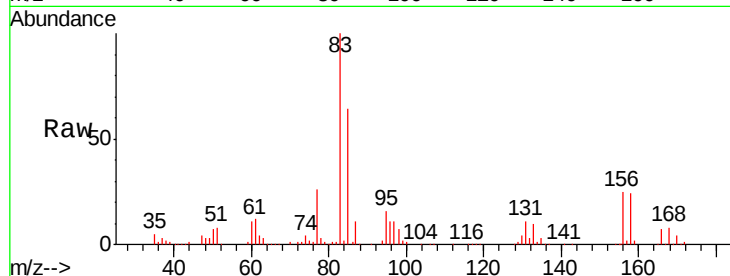
Tgt Ion: 83 Resp: 71223

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

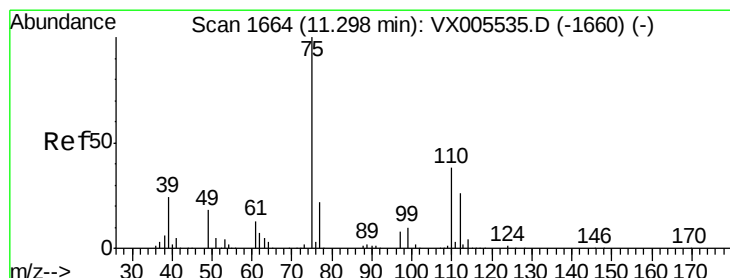
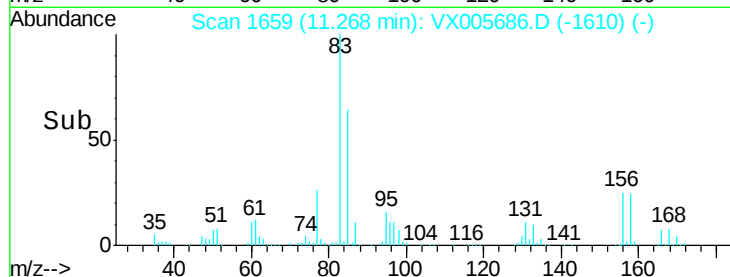
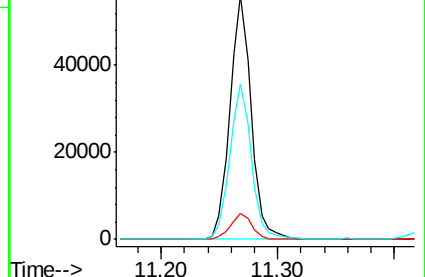
85 64.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX005535.D (-1652) (-)

Ion 130.80 (130.50 to 131.50): VX005535.D (-1652) (-)

Ion 84.90 (84.60 to 85.60): VX005535.D (-1652) (-)



#76

1,2,3-Trichloropropane

Concen: 23.78 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005686.D

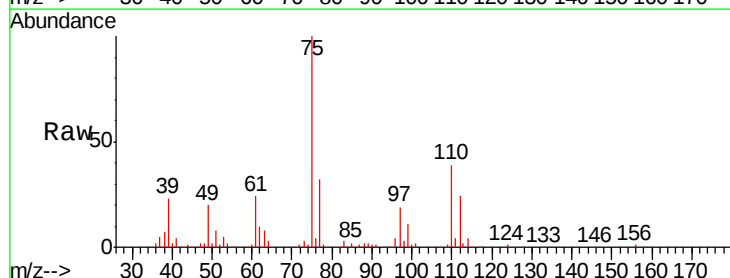
Acq: 30 Oct 2018 12:47

Tgt Ion: 75 Resp: 84624

Ion Ratio Lower Upper

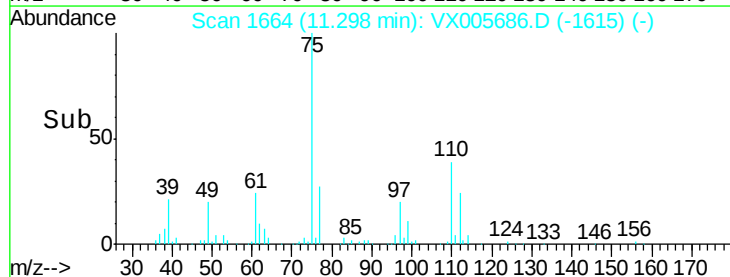
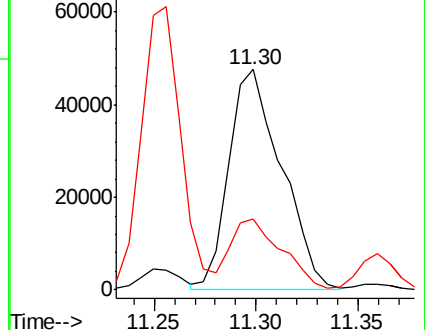
75 100

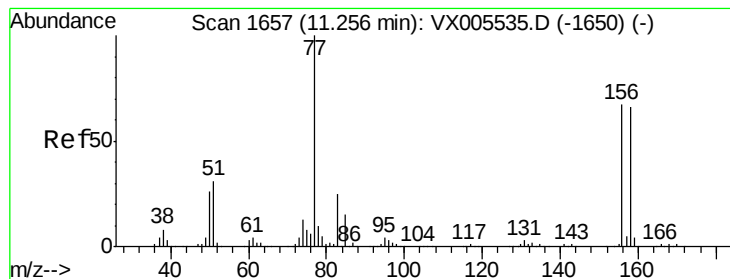
77 31.1 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX005535.D (-1660) (-)

Ion 77.00 (76.70 to 77.70): VX005535.D (-1660) (-)





#77

Bromobenzene

Concen: 20.09 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

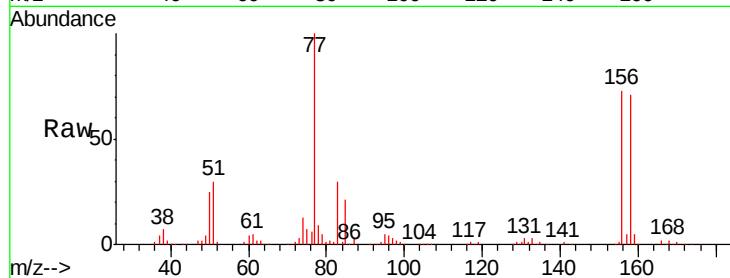
Tgt Ion:156 Resp: 57488

Ion Ratio Lower Upper

156 100

77 143.6 74.8 224.4

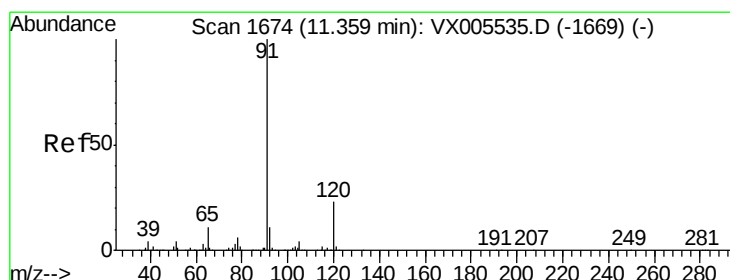
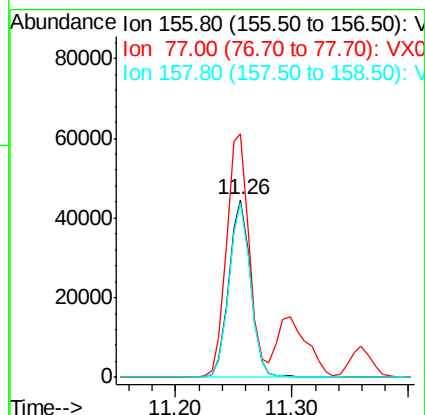
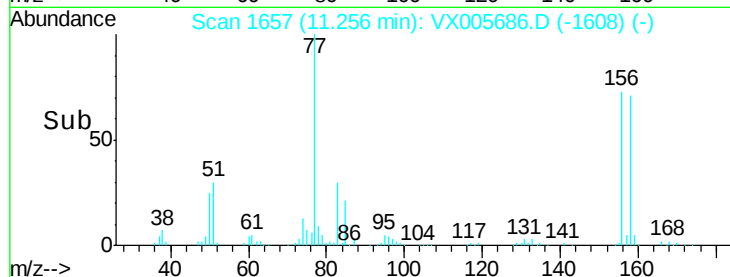
158 97.4 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.65 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005686.D

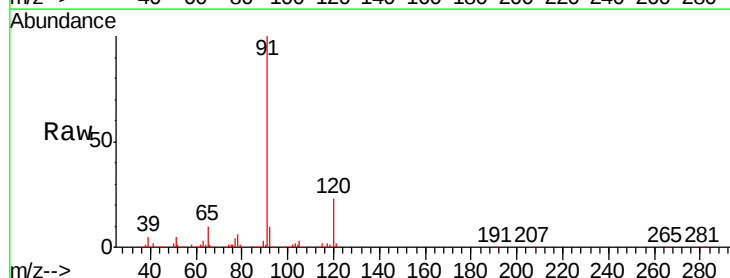
Acq: 30 Oct 2018 12:47

Tgt Ion: 91 Resp: 242357

Ion Ratio Lower Upper

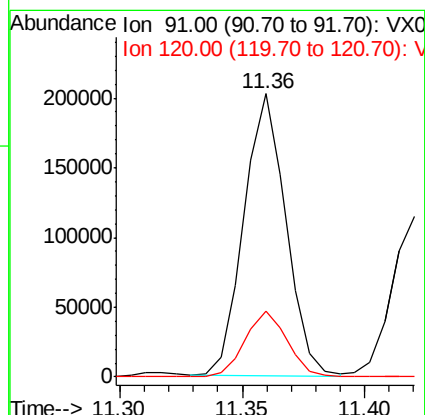
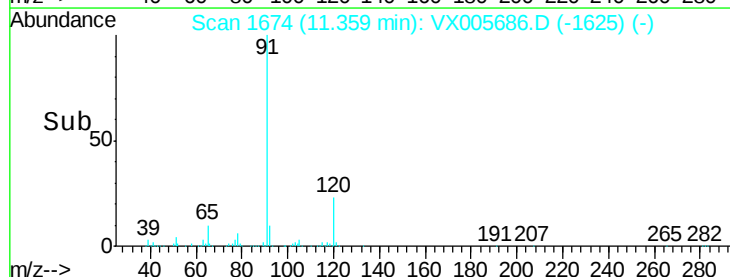
91 100

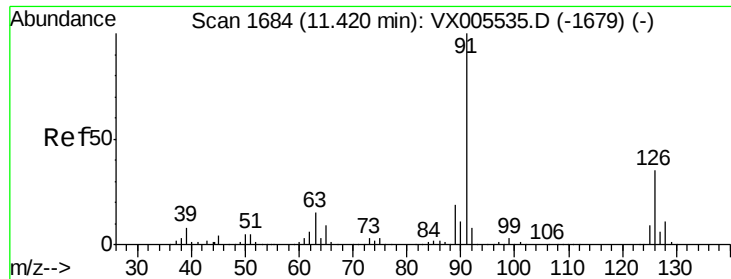
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.89 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

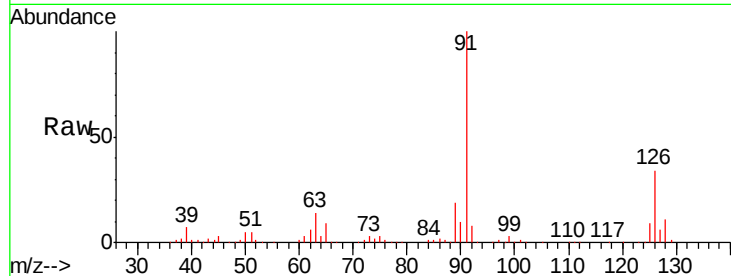
VX1030WBS01

Tgt Ion: 91 Resp: 144753

Ion Ratio Lower Upper

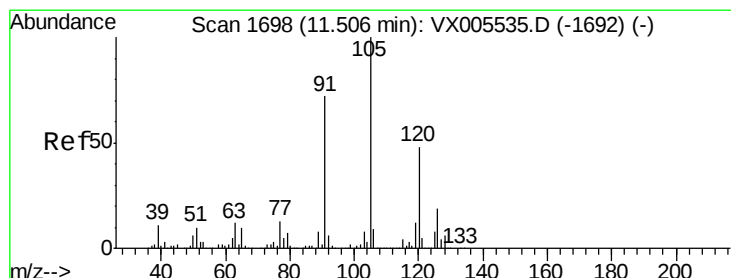
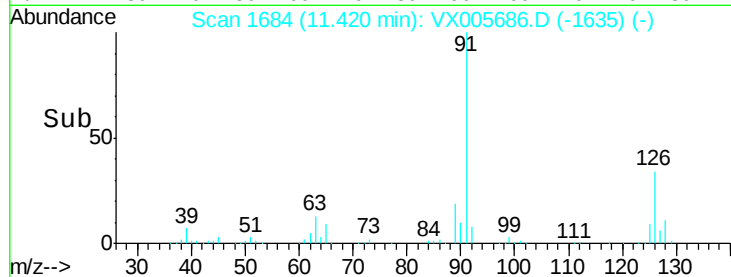
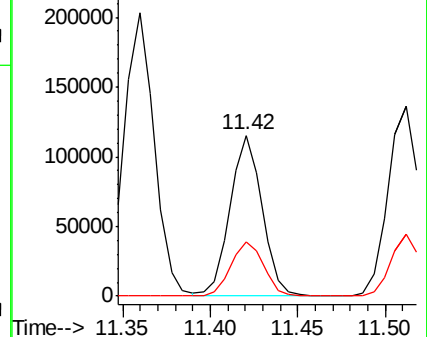
91 100

126 35.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005535.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.35 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005686.D

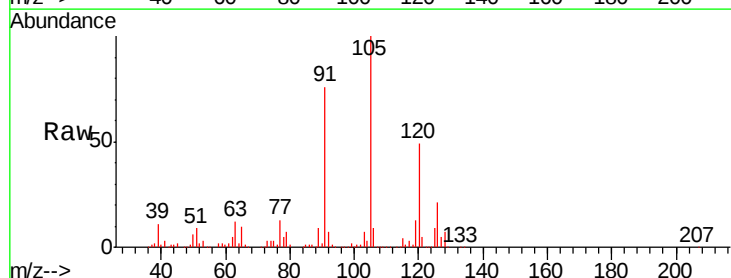
Acq: 30 Oct 2018 12:47

Tgt Ion: 105 Resp: 178757

Ion Ratio Lower Upper

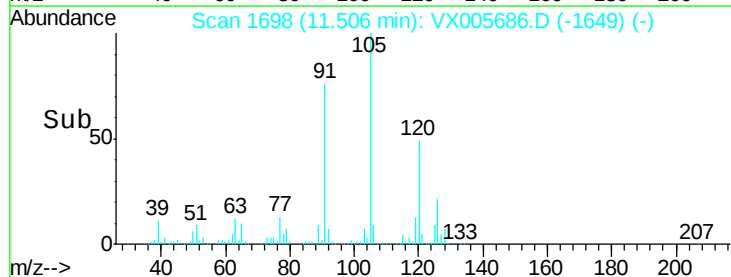
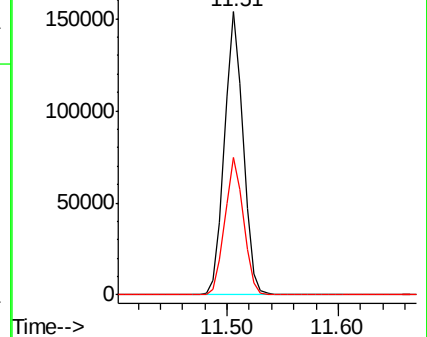
105 100

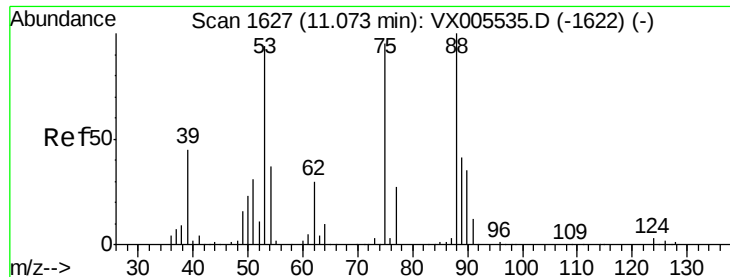
120 48.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005535.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005535.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.15 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

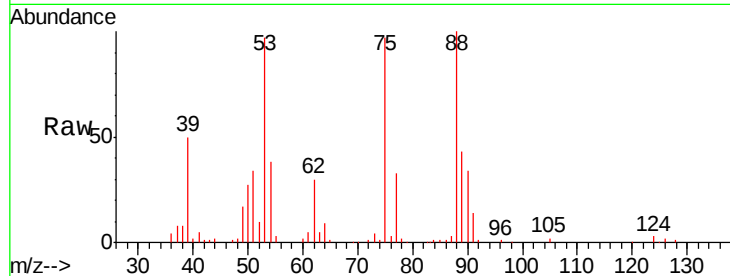
Tgt Ion: 75 Resp: 20857

Ion Ratio Lower Upper

75 100

53 101.6 80.2 120.2

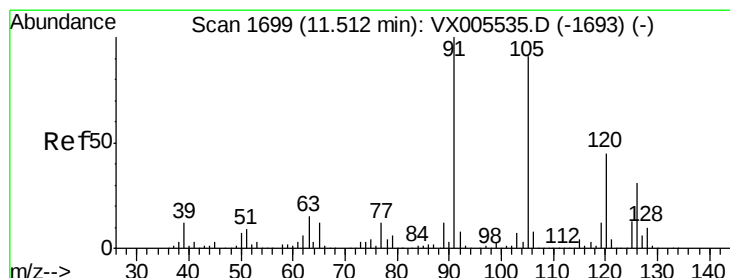
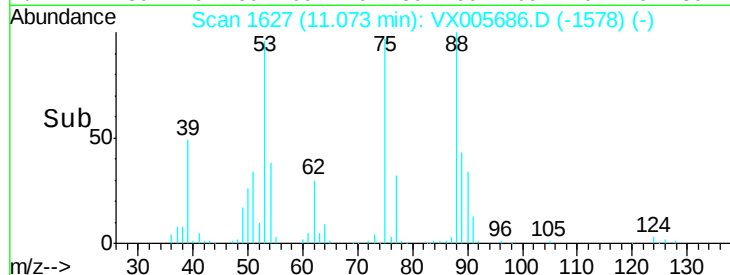
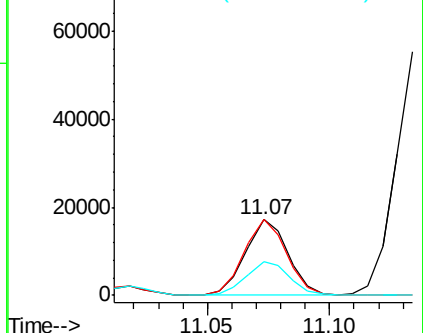
89 46.5 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.96 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005686.D

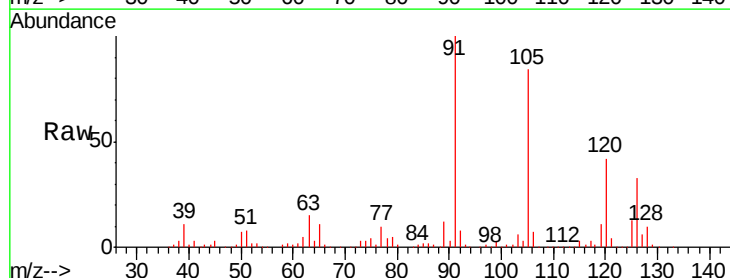
Acq: 30 Oct 2018 12:47

Tgt Ion: 91 Resp: 171331

Ion Ratio Lower Upper

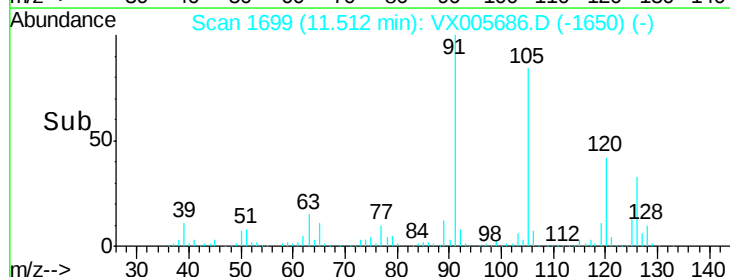
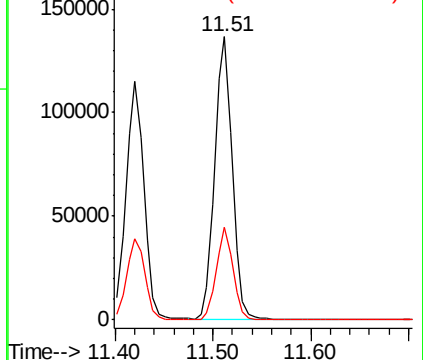
91 100

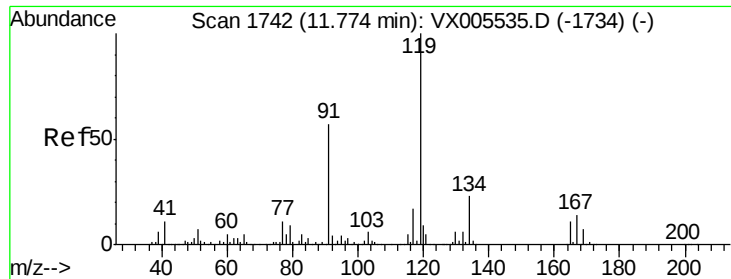
126 31.0 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

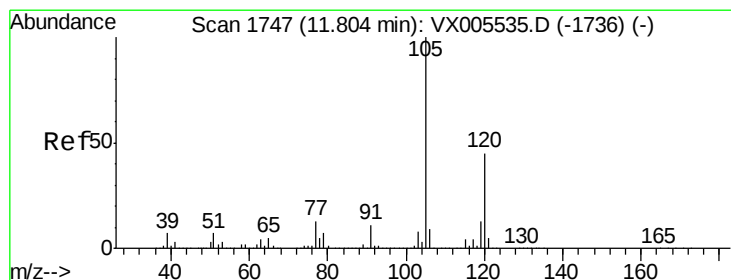
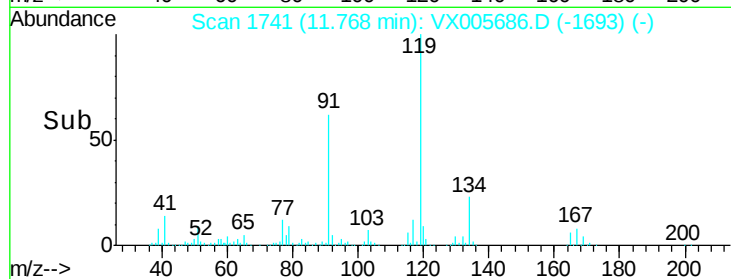
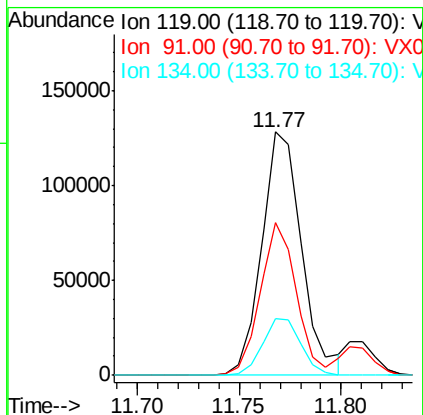
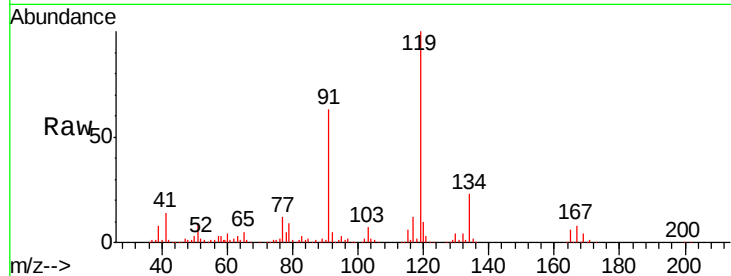




#83
 tert-Butylbenzene
 Concen: 19.95 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

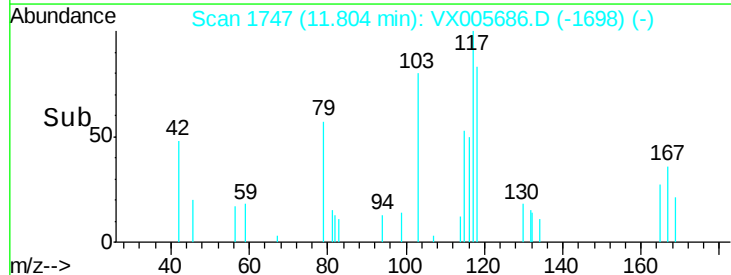
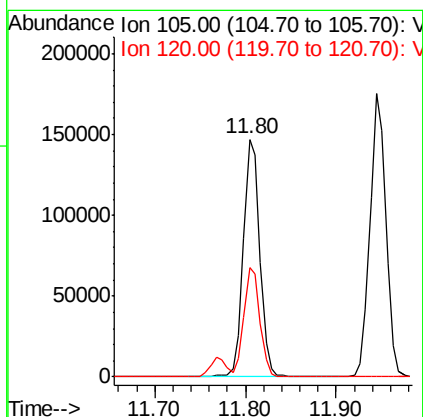
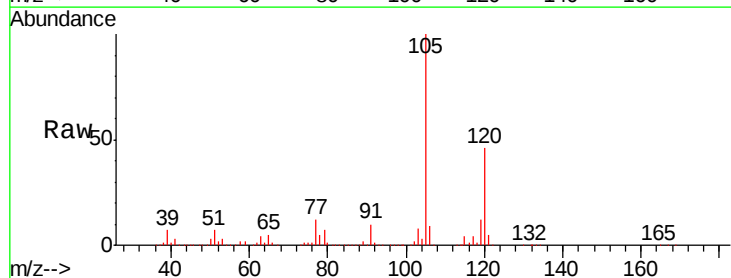
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

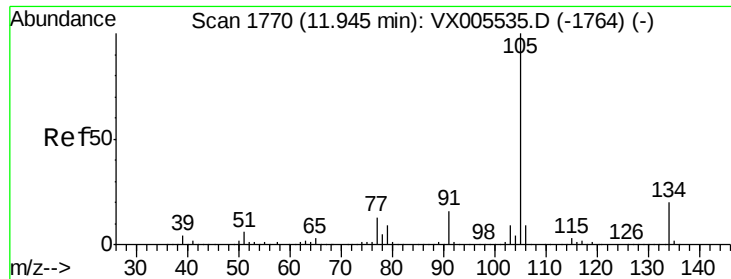
Tgt Ion:119 Resp: 174642
 Ion Ratio Lower Upper
 119 100
 91 56.6 28.5 85.5
 134 22.5 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.71 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion:105 Resp: 184349
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.52 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

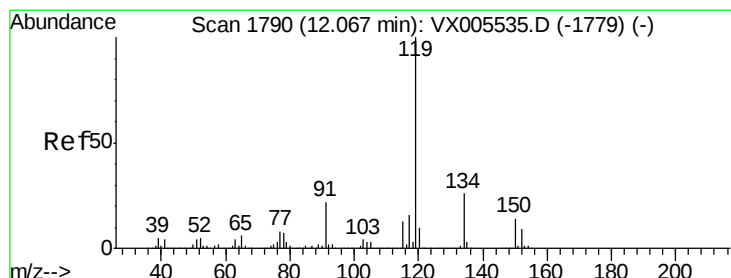
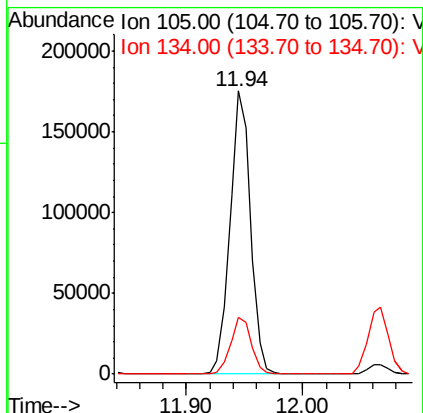
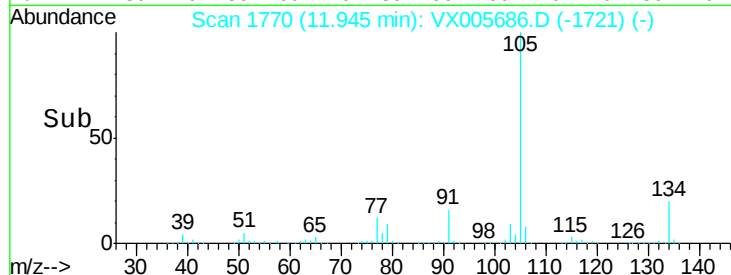
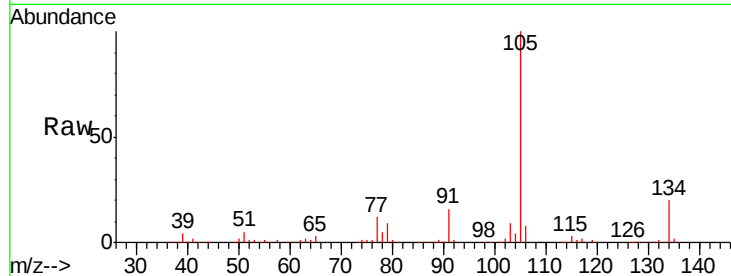
VX1030WBS01

Tgt Ion:105 Resp: 214397

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

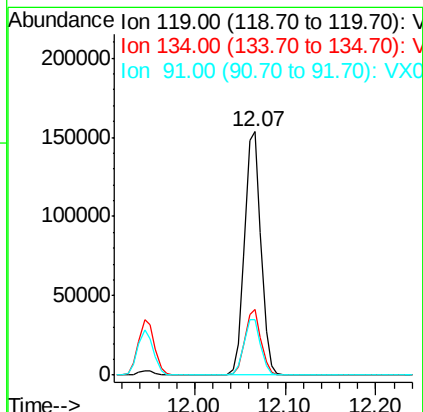
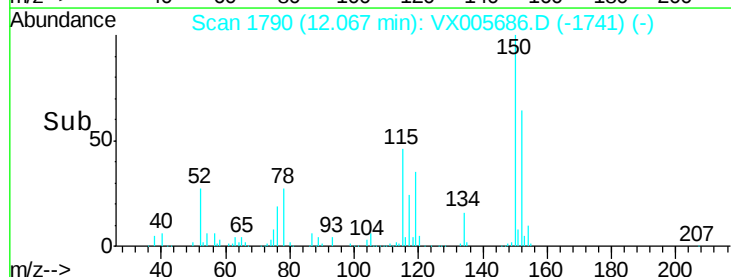
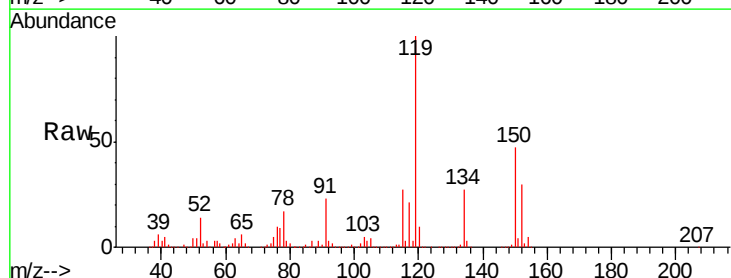
Tgt Ion:119 Resp: 192334

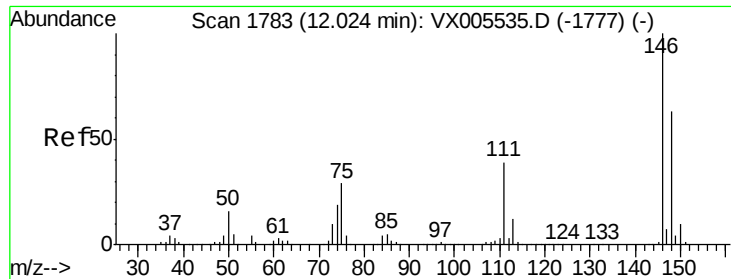
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.6 11.4 34.2

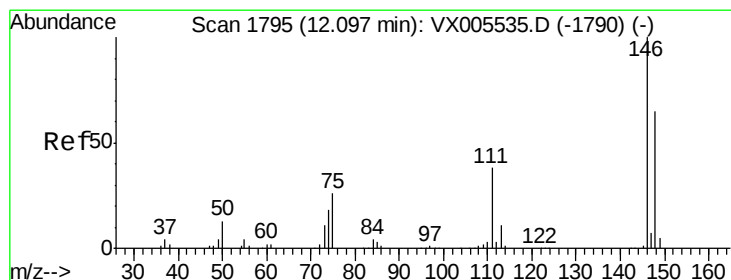
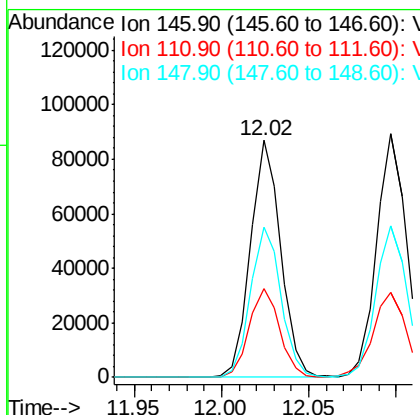
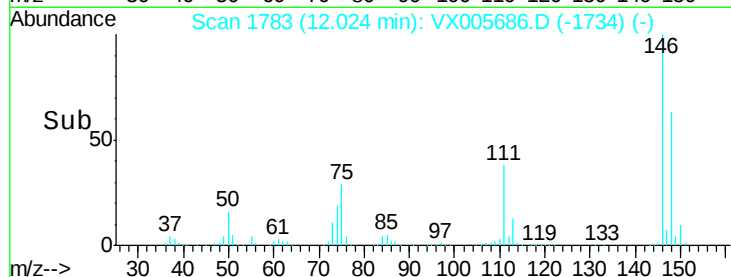
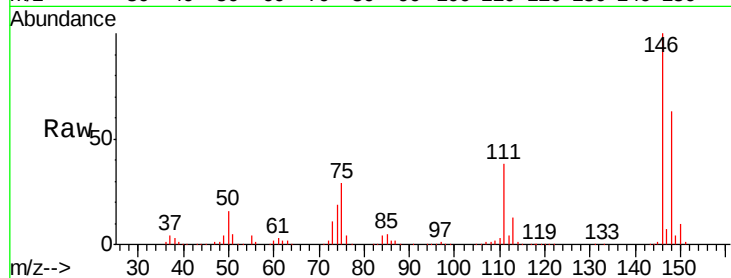




#87
 1,3-Dichlorobenzene
 Concen: 19.43 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

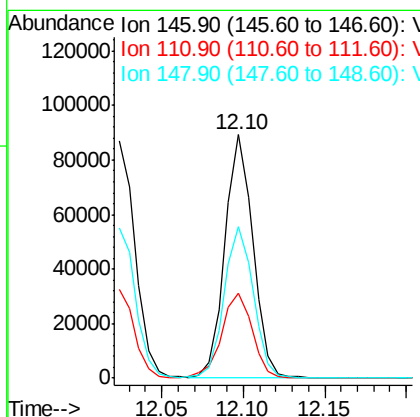
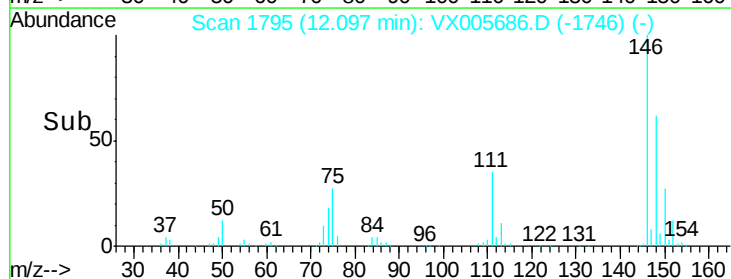
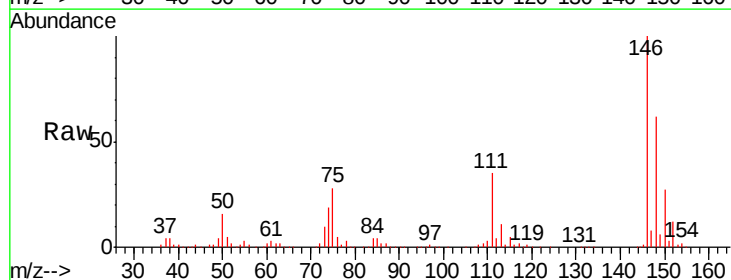
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

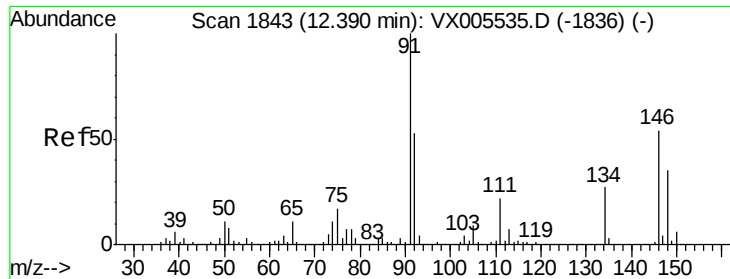
Tgt Ion:146 Resp: 104533
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.0 57.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.03 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion:146 Resp: 106859
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.8
 148 64.7 32.1 96.3





#89

n-Butylbenzene

Concen: 19.93 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

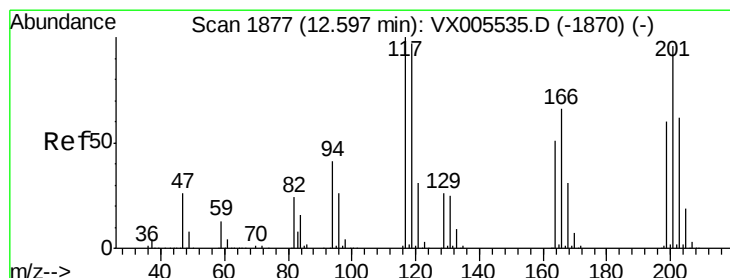
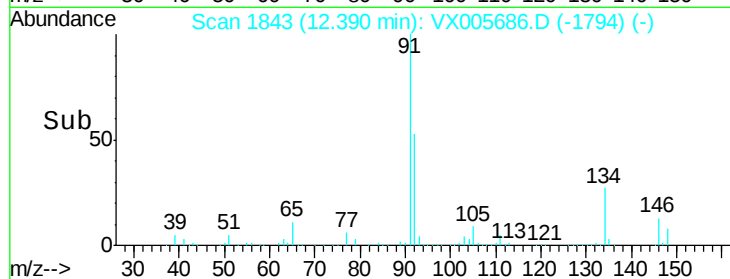
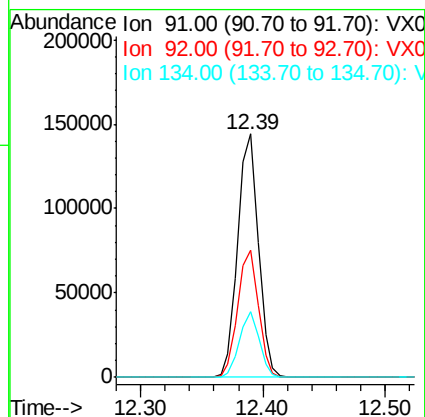
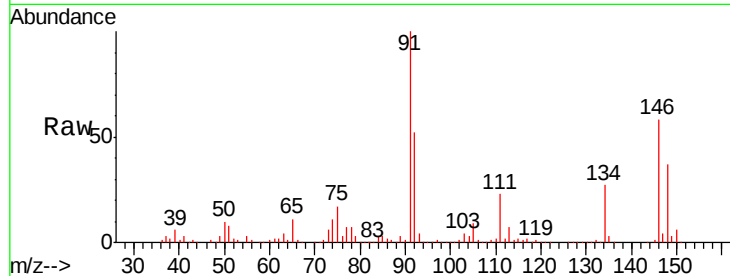
Tgt Ion: 91 Resp: 168020

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

134 25.8 13.1 39.3



#90

Hexachloroethane

Concen: 18.54 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX005686.D

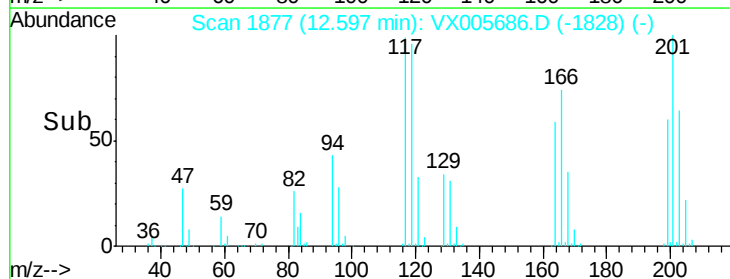
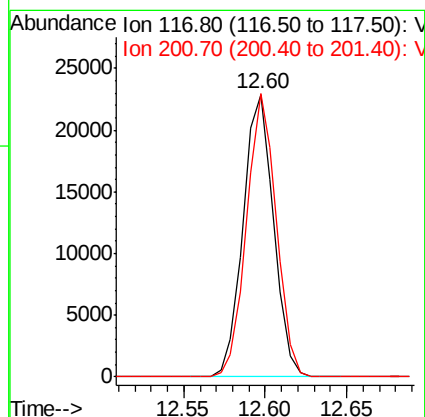
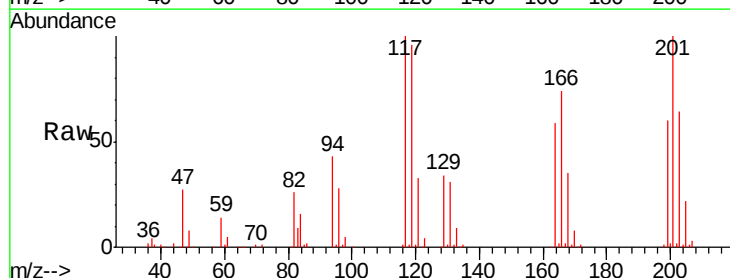
Acq: 30 Oct 2018 12:47

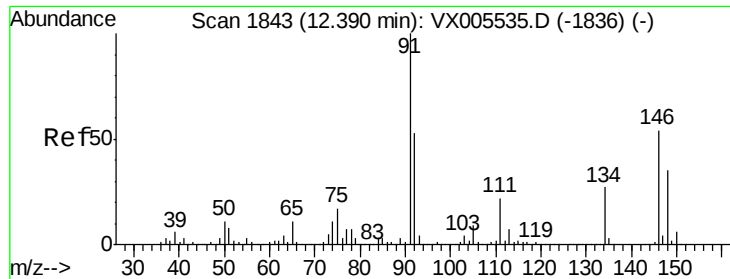
Tgt Ion: 117 Resp: 29860

Ion Ratio Lower Upper

117 100

201 97.3 47.9 143.6

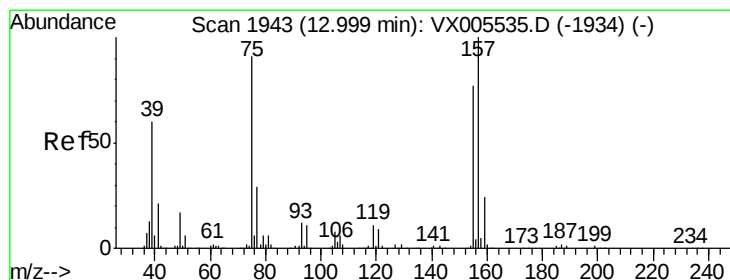
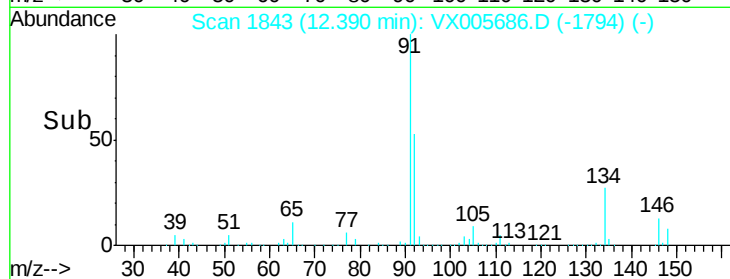
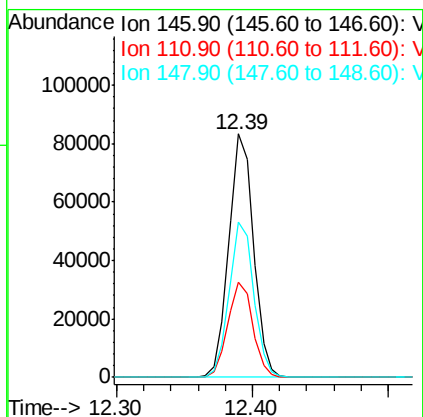
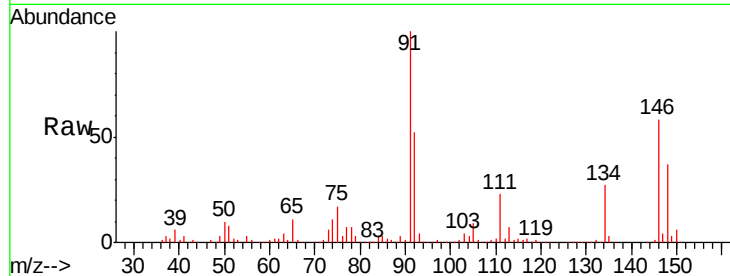




#91
 1,2-Dichlorobenzene
 Concen: 19.44 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

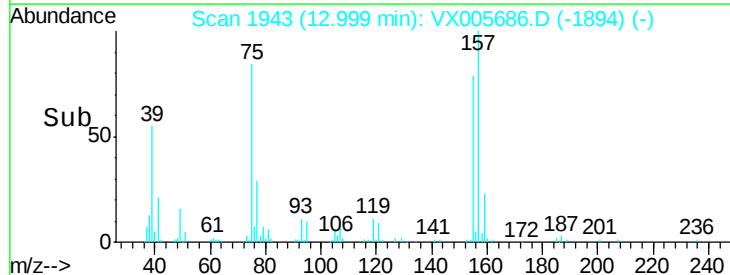
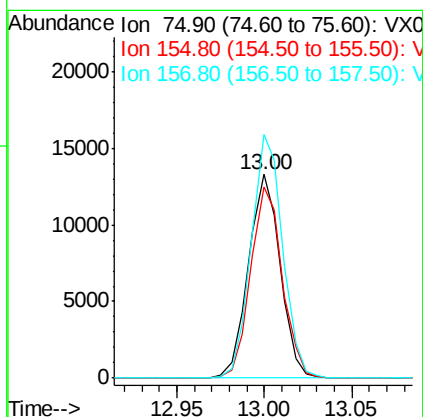
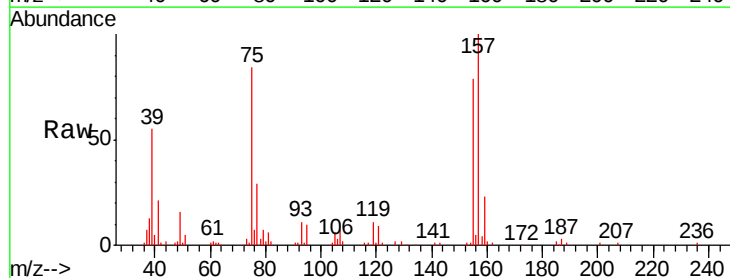
Instrument :
 MSVOA_X
 ClientSampled :
 VX1030WBS01

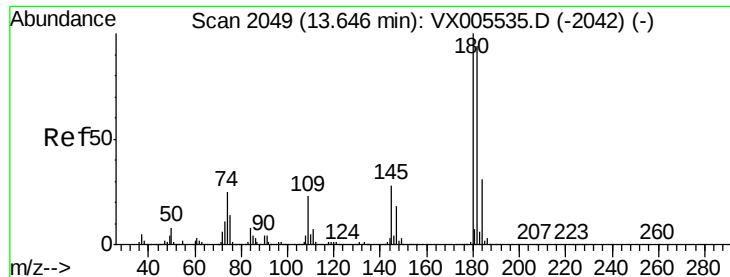
Tgt Ion:146 Resp: 105805
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 59.9
 148 63.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.31 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion: 75 Resp: 16768
 Ion Ratio Lower Upper
 75 100
 155 93.4 45.4 136.1
 157 118.3 57.4 172.0

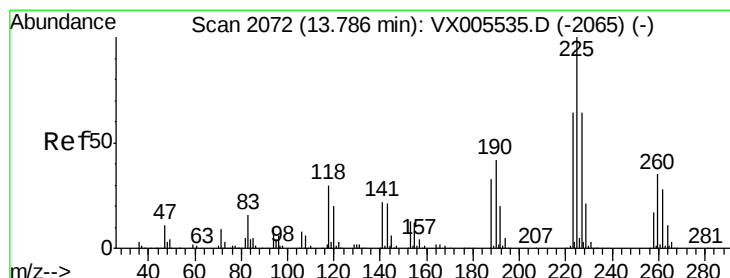
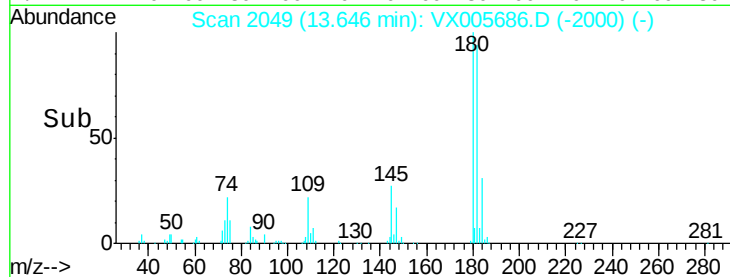
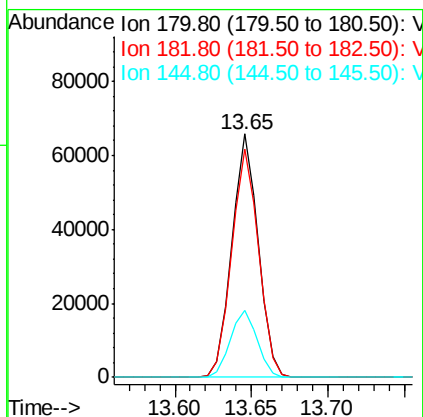
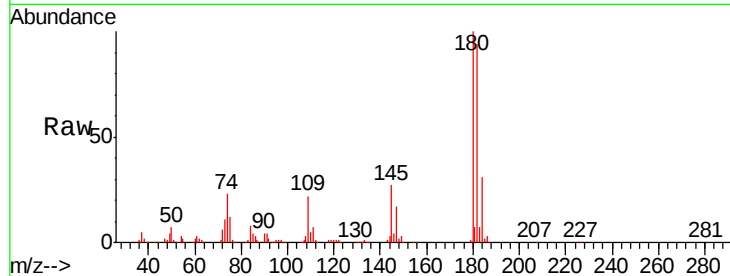




#93
 1,2,4-Trichlorobenzene
 Concen: 19.82 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

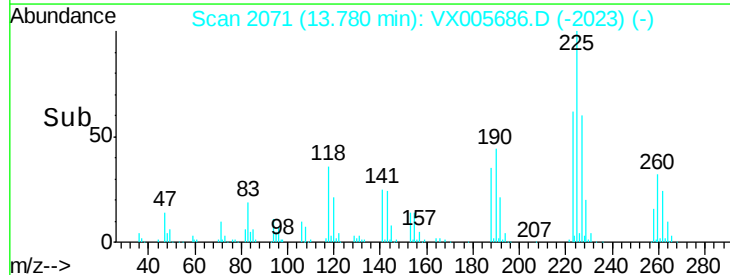
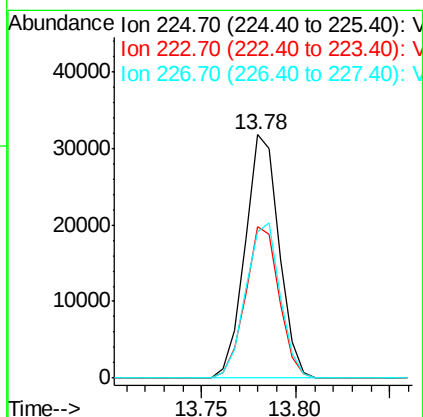
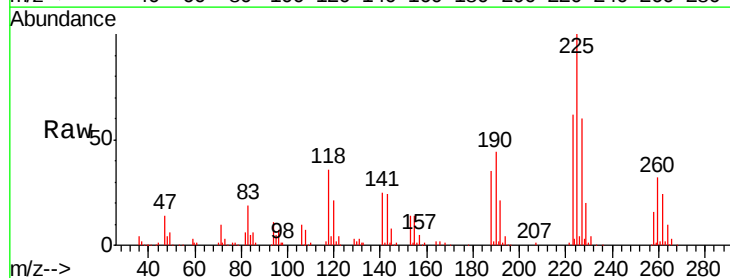
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1030WBS01

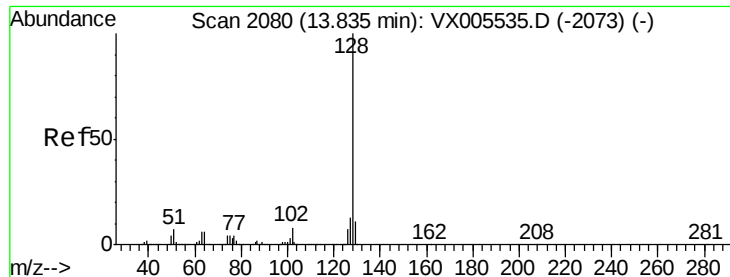
Tgt Ion:180 Resp: 78211
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.6 142.8
 145 27.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.44 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005686.D
 Acq: 30 Oct 2018 12:47

Tgt Ion:225 Resp: 39762
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.7 95.1
 227 64.2 32.3 96.9





#95

Naphthalene

Concen: 20.08 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

Instrument :

MSVOA_X

ClientSampleId :

VX1030WBS01

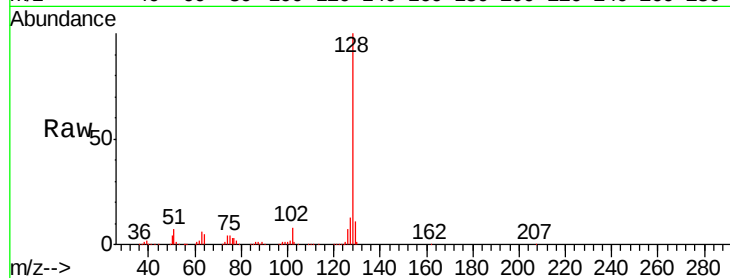
Tgt Ion:128 Resp: 230360

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

250000

200000

150000

100000

50000

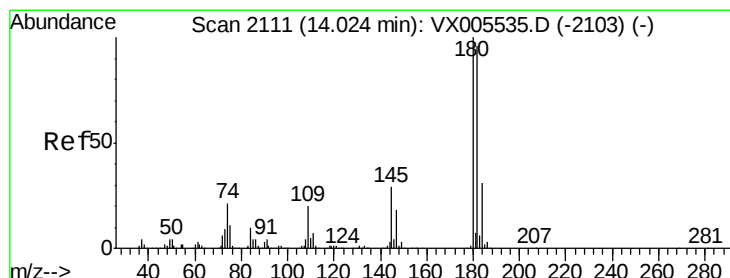
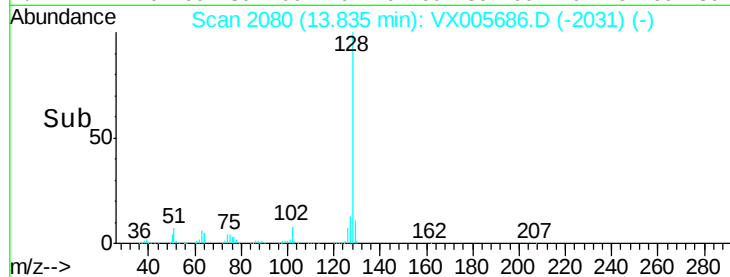
0

13.83

13.80

13.90

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.10 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005686.D

Acq: 30 Oct 2018 12:47

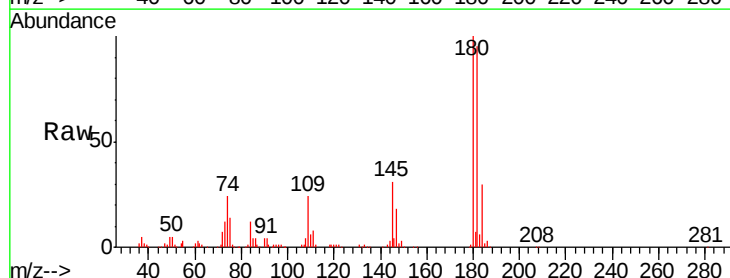
Tgt Ion:180 Resp: 80389

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 30.0 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

80000

60000

40000

20000

0

14.02

13.95

14.05

14.10

Time-->

