

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005678.D
 Acq On : 30 Oct 2018 00:03
 Operator : JC/MD
 Sample : VX1029WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Quant Time: Oct 30 04:49:17 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	246588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354525	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	133330	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
35) Dibromofluoromethane	5.51	113	110856	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
50) Toluene-d8	8.71	98	405370	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	
62) 4-Bromofluorobenzene	11.14	95	150666	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	58365	23.980	ug/l	94
3) Chloromethane	1.32	50	61026	19.688	ug/l	100
4) Vinyl Chloride	1.40	62	65271	21.416	ug/l	96
5) Bromomethane	1.64	94	35758	18.855	ug/l	96
6) Chloroethane	1.72	64	37444	19.231	ug/l	96
7) Trichlorofluoromethane	1.93	101	83243	19.656	ug/l	97
8) Diethyl Ether	2.19	74	33977	20.104	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48116	19.802	ug/l	99
10) Methyl Iodide	2.51	142	43034	18.759	ug/l	97
11) Tert butyl alcohol	3.06	59	84879	104.788	ug/l	99
12) 1,1-Dichloroethene	2.37	96	45414	19.620	ug/l	92
13) Acrolein	2.29	56	39254	95.003	ug/l	97
14) Allyl chloride	2.72	41	99949	19.348	ug/l	96
15) Acrylonitrile	3.15	53	175579	96.667	ug/l	99
16) Acetone	2.45	43	155447	97.731	ug/l	95
17) Carbon Disulfide	2.57	76	132673	18.803	ug/l	99
18) Methyl Acetate	2.78	43	86743	21.235	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	167422	20.277	ug/l	99
20) Methylene Chloride	2.85	84	52449	19.689	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	48081	19.024	ug/l	96
22) Diisopropyl ether	3.87	45	173273	19.207	ug/l	89
23) Vinyl Acetate	3.82	43	777983	97.919	ug/l	99
24) 1,1-Dichloroethane	3.70	63	96251	19.624	ug/l	98
25) 2-Butanone	4.70	43	238306	98.388	ug/l	97
26) 2,2-Dichloropropane	4.59	77	59678	15.760	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	53258	19.547	ug/l	96
28) Bromochloromethane	5.02	49	44187	18.627	ug/l	97
29) Tetrahydrofuran	5.16	42	156913	99.548	ug/l	100
30) Chloroform	5.21	83	87423	19.055	ug/l	100
31) Cyclohexane	5.58	56	80312	19.790	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	76059	18.783	ug/l	99
36) 1,1-Dichloropropene	5.80	75	65953	19.170	ug/l	96
37) Ethyl Acetate	4.85	43	86354	19.669	ug/l	99
38) Carbon Tetrachloride	5.79	117	66117	18.246	ug/l	91

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Quant Time: Oct 30 04:49:17 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)
39) Methylcyclohexane	7.46	83	71885	18.921	ug/l #	93
40) Benzene	6.14	78	190084	19.273	ug/l	98
41) Methacrylonitrile	5.06	41	47338	19.356	ug/l	98
42) 1,2-Dichloroethane	6.20	62	69879	18.651	ug/l	99
43) Isopropyl Acetate	6.46	43	123069	18.706	ug/l	95
44) Trichloroethene	7.21	130	51842	19.295	ug/l	99
45) 1,2-Dichloropropane	7.52	63	51684	19.492	ug/l	100
46) Dibromomethane	7.66	93	32415	18.928	ug/l	98
47) Bromodichloromethane	7.90	83	60942	18.335	ug/l	98
48) Methyl methacrylate	7.77	41	61124	19.071	ug/l	98
49) 1,4-Dioxane	7.75	88	27828	397.308	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	427661	96.722	ug/l	99
52) Toluene	8.79	92	117678	19.633	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	65395	18.204	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	72994	18.873	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48178	19.064	ug/l	98
56) Ethyl methacrylate	9.18	69	73426	19.479	ug/l	98
57) 1,3-Dichloropropane	9.37	76	81559	19.074	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	201641	95.780	ug/l	99
59) 2-Hexanone	9.49	43	334293	95.892	ug/l	99
60) Dibromochloromethane	9.59	129	49316	18.704	ug/l	100
61) 1,2-Dibromoethane	9.67	107	51040	19.523	ug/l	98
64) Tetrachloroethene	9.34	164	52982	19.806	ug/l	98
65) Chlorobenzene	10.14	112	132015	19.239	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	47348	18.923	ug/l	98
67) Ethyl Benzene	10.25	91	221570	19.625	ug/l	100
68) m/p-Xylenes	10.36	106	172035	39.276	ug/l	100
69) o-Xylene	10.70	106	82328	19.978	ug/l	100
70) Styrene	10.71	104	137325	19.906	ug/l	99
71) Bromoform	10.86	173	40559	18.166	ug/l #	98
73) Isopropylbenzene	11.02	105	232735	17.521	ug/l	99
74) N-amyl acetate	10.90	43	105479	16.026	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	80450	16.416	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	92092	20.002	ug/l	84
77) Bromobenzene	11.26	156	64407	17.398	ug/l	95
78) n-propylbenzene	11.36	91	262425	17.277	ug/l	100
79) 2-Chlorotoluene	11.42	91	163902	17.404	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	191946	16.892	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20939	14.860	ug/l	98
82) 4-Chlorotoluene	11.51	91	186001	16.750	ug/l	100
83) tert-Butylbenzene	11.77	119	212762	18.784	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	231060	20.063	ug/l	99
85) sec-Butylbenzene	11.94	105	276411	20.451	ug/l	99
86) p-Isopropyltoluene	12.07	119	246936	20.438	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	131884	18.945	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	135807	18.690	ug/l	100
89) n-Butylbenzene	12.39	91	215544	19.761	ug/l	98
90) Hexachloroethane	12.60	117	37193	17.848	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	135099	19.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18340	15.478	ug/l	95

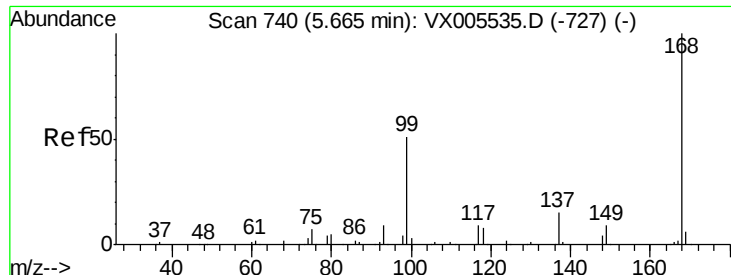
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102918\
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Quant Time: Oct 30 04:49:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	80726	15.812	ug/l	98
94) Hexachlorobutadiene	13.79	225	39373	14.881	ug/l	99
95) Naphthalene	13.83	128	250193	16.859	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	83954	16.222	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

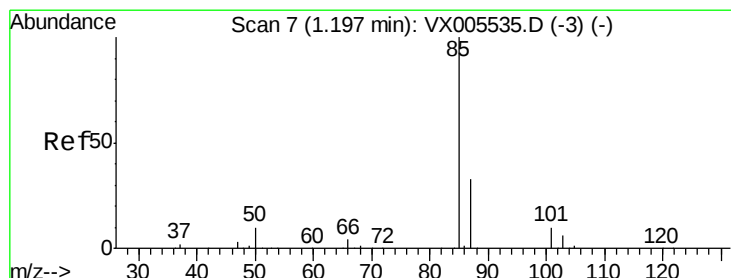
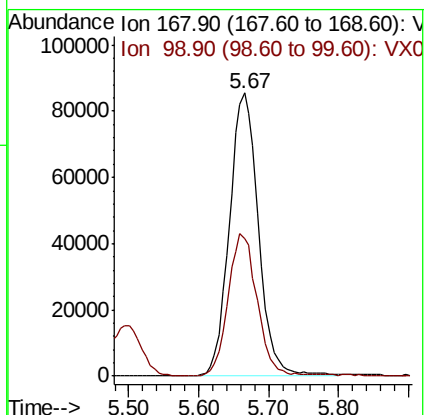
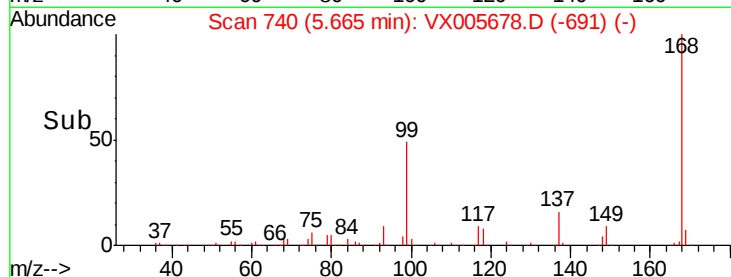
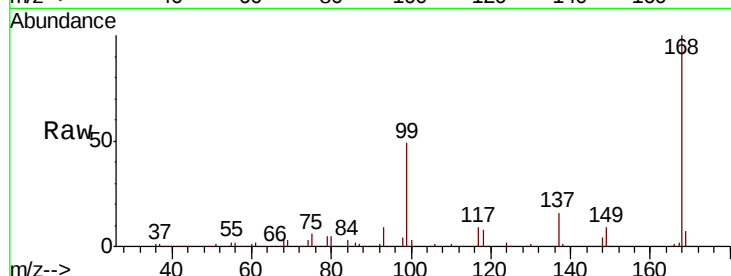
VX1029WBS02

Tot Ion:168 Resp: 246588

Ion Ratio Lower Upper

168 100

99 48.6 40.7 61.1



#2

Dichlorodifluoromethane

Concen: 23.980 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005678.D

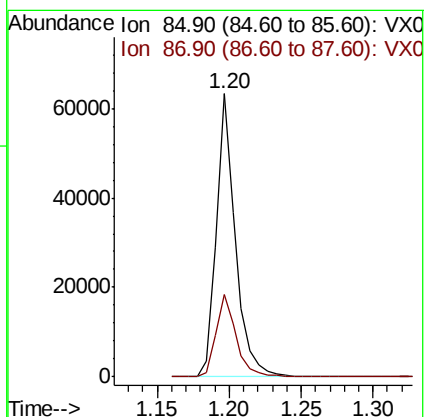
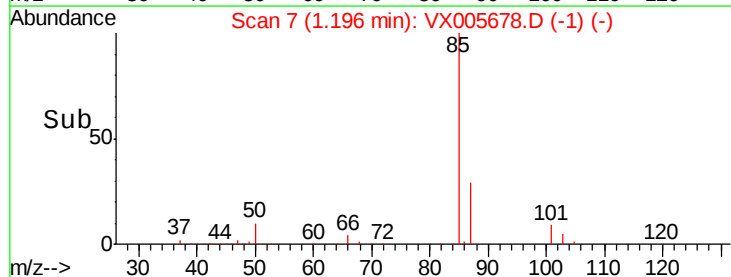
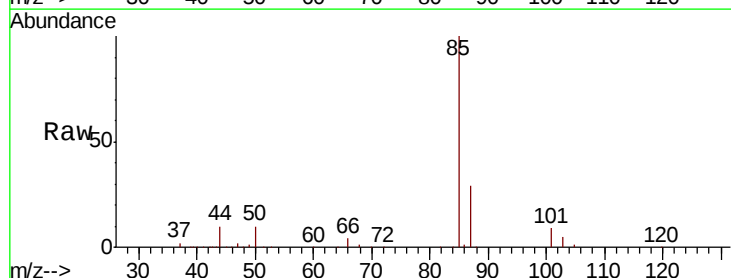
Acq: 30 Oct 2018 00:03

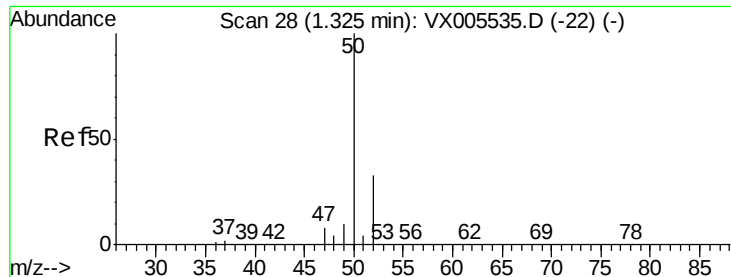
Tgt Ion: 85 Resp: 58365

Ion Ratio Lower Upper

85 100

87 29.1 16.3 48.9





#3

Chloromethane

Concen: 19.688 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

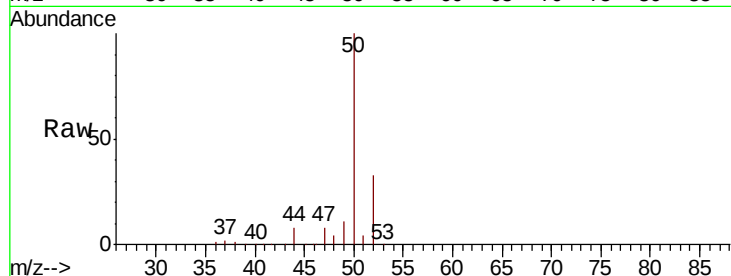
VX1029WBS02

Tot Ion: 50 Resp: 61026

Ion Ratio Lower Upper

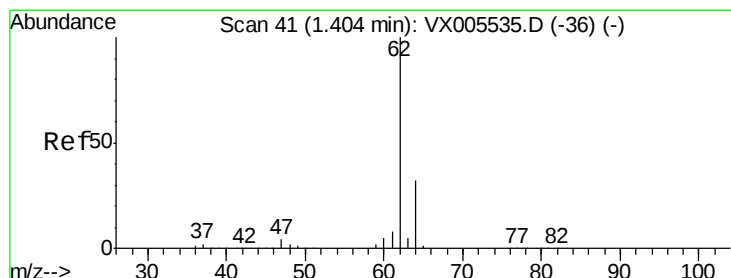
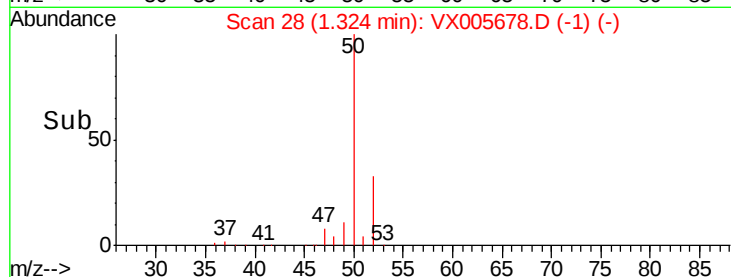
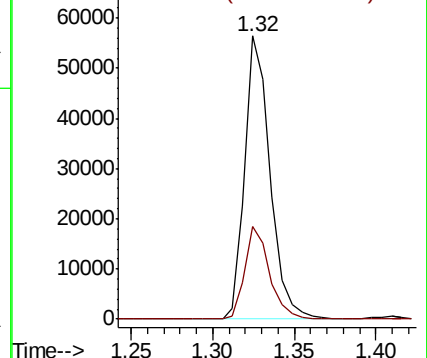
50 100

52 32.6 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: 21.416 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005678.D

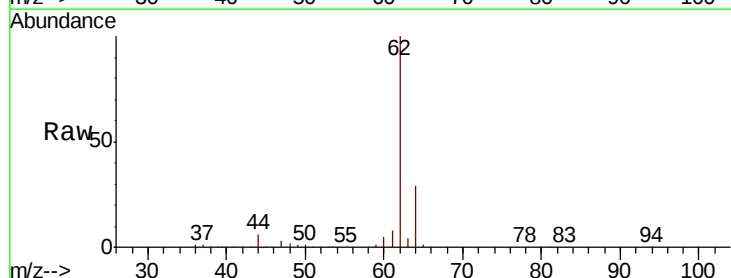
Acq: 30 Oct 2018 00:03

Tgt Ion: 62 Resp: 65271

Ion Ratio Lower Upper

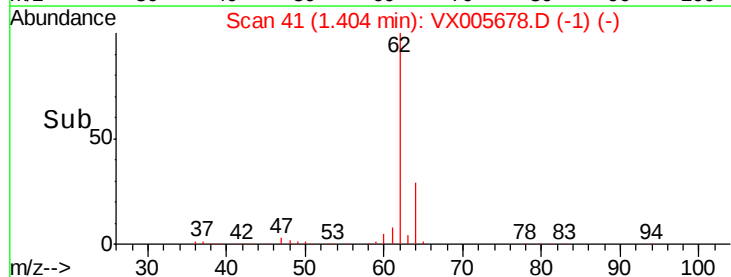
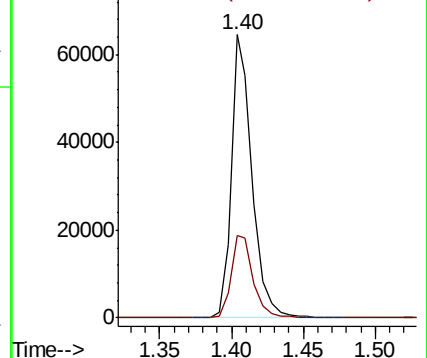
62 100

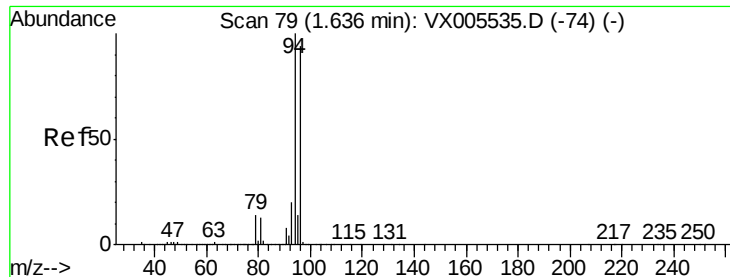
64 29.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.855 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

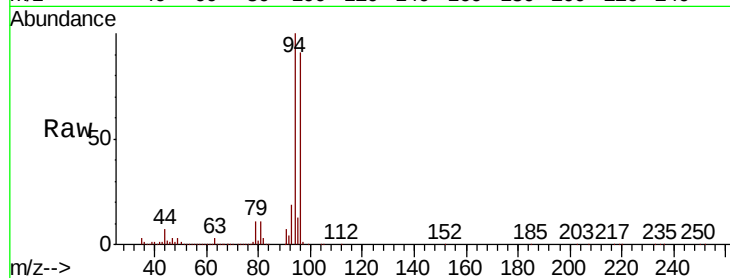
VX1029WBS02

Tot Ion: 94 Resp: 35758

Ion Ratio Lower Upper

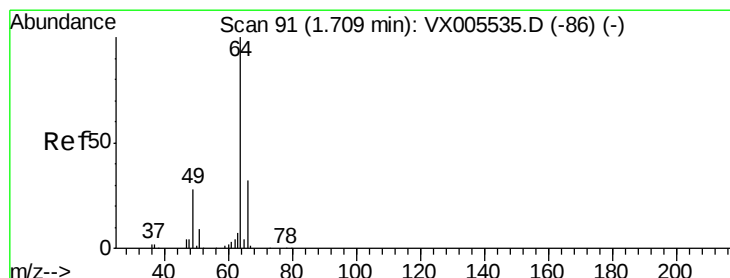
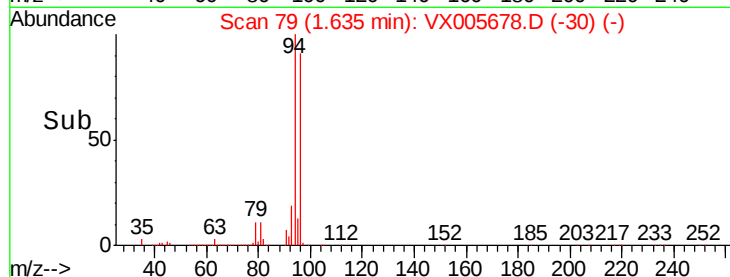
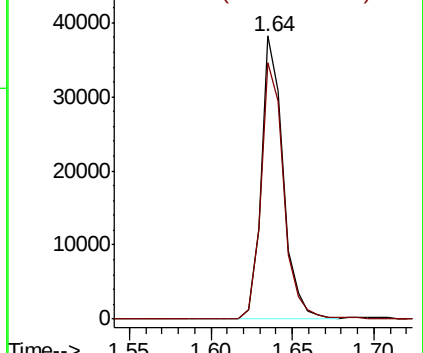
94 100

96 90.4 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: 19.231 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005678.D

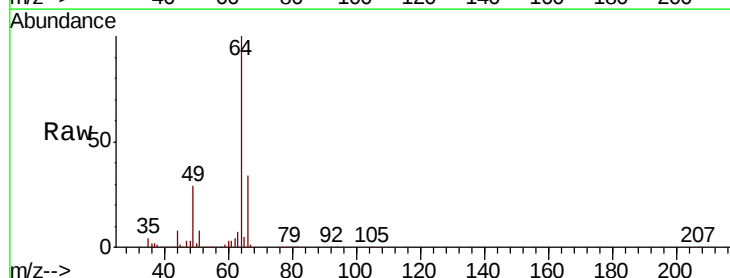
Acq: 30 Oct 2018 00:03

Tgt Ion: 64 Resp: 37444

Ion Ratio Lower Upper

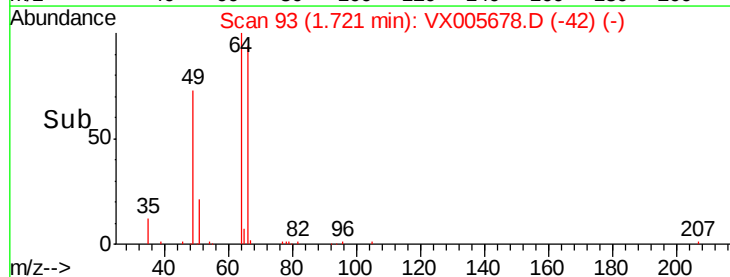
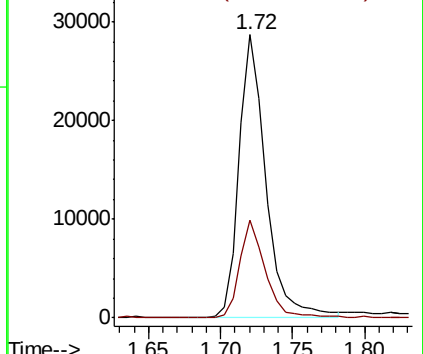
64 100

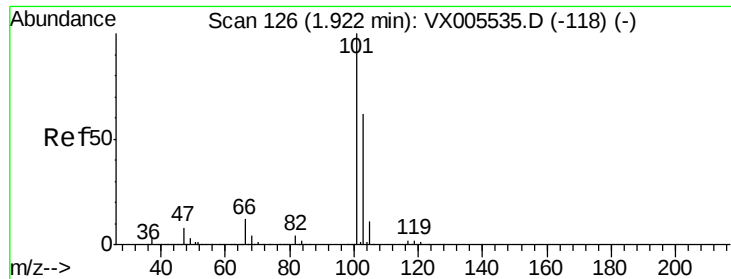
66 34.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



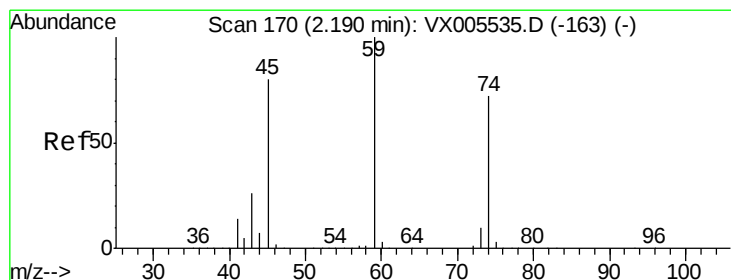
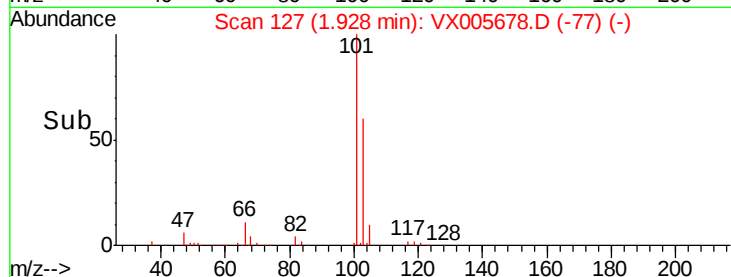
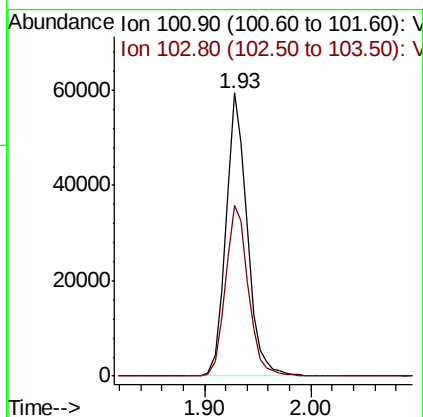
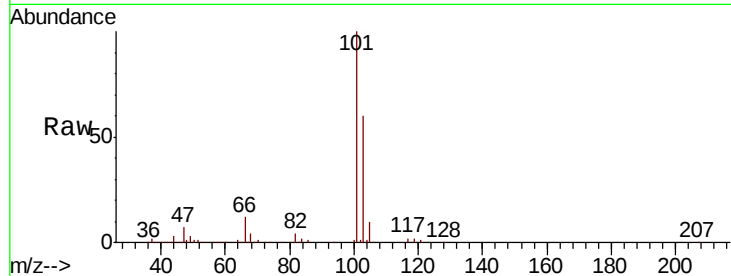


#7

Trichlorofluoromethane
 Concen: 19.656 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

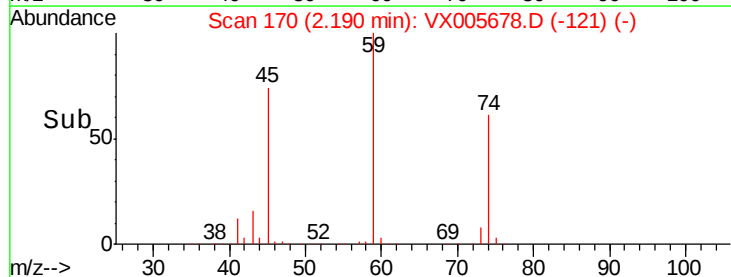
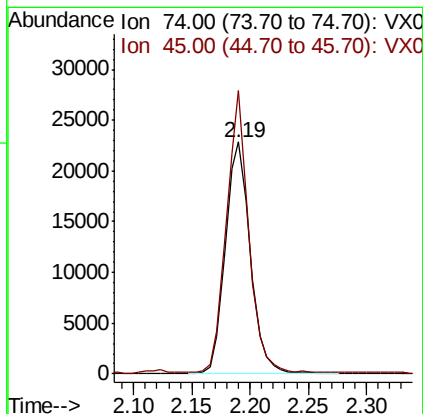
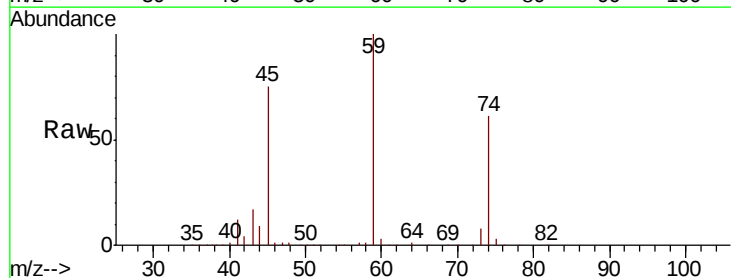
Tot Ion:101 Resp: 83243
 Ion Ratio Lower Upper
 101 100
 103 60.5 50.0 75.0



#8

Diethyl Ether
 Concen: 20.104 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion: 74 Resp: 33977
 Ion Ratio Lower Upper
 74 100
 45 108.1 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.802 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

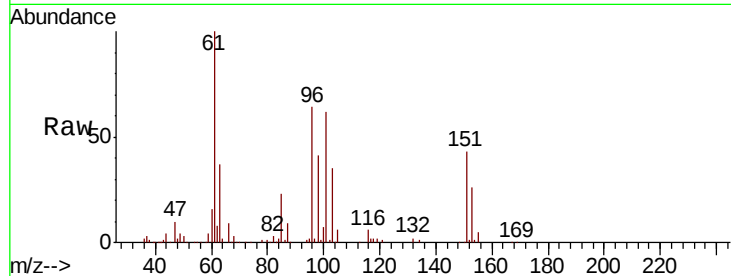
Tot Ion:101 Resp: 48116

Ion Ratio Lower Upper

101 100

85 42.7 35.0 52.4

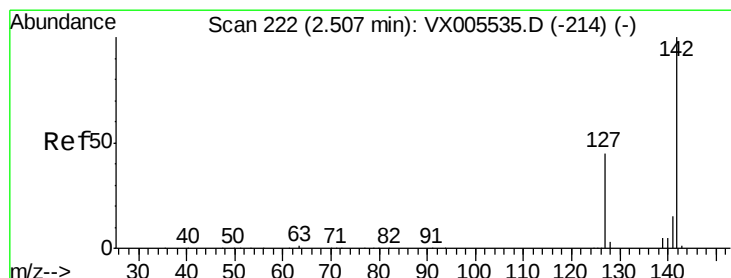
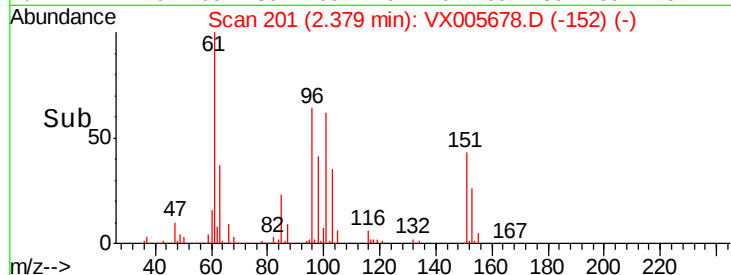
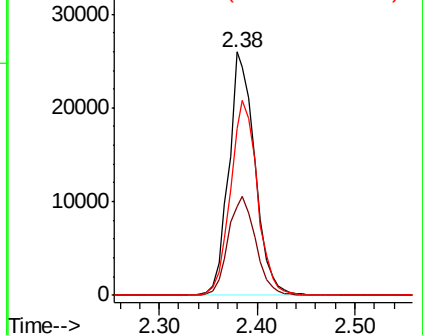
151 82.3 66.2 99.2



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: 18.759 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

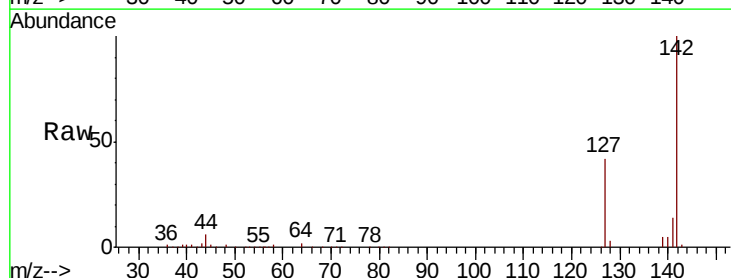
Tgt Ion:142 Resp: 43034

Ion Ratio Lower Upper

142 100

127 42.8 36.0 54.0

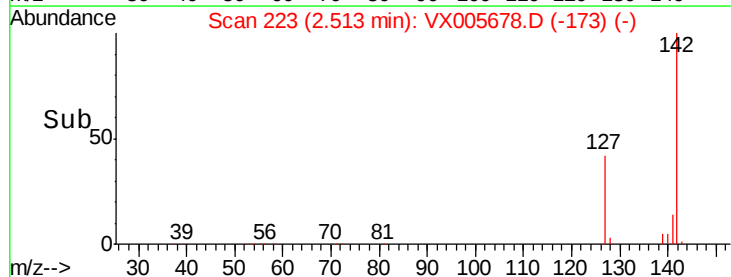
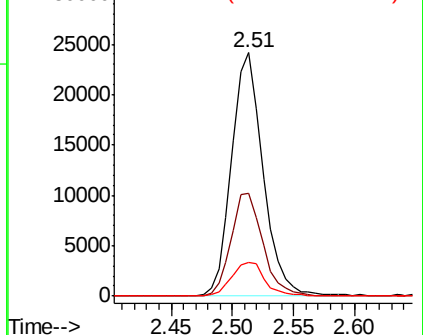
141 14.4 11.7 17.5

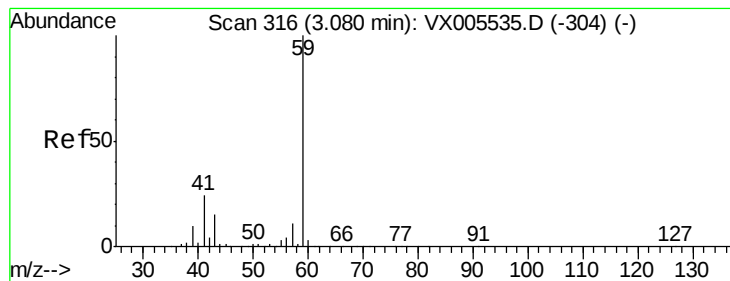


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 104.788 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

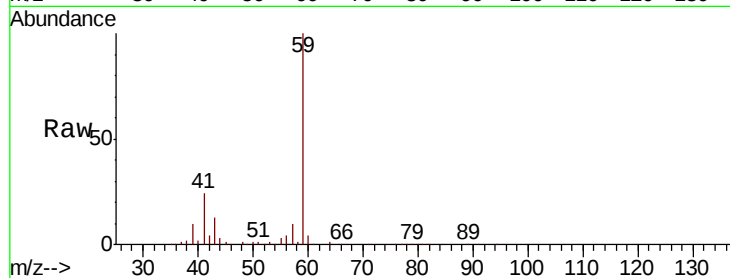
VX1029WBS02

Tot Ion: 59 Resp: 84879

Ion Ratio Lower Upper

59 100

57 10.1 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

40000

30000

20000

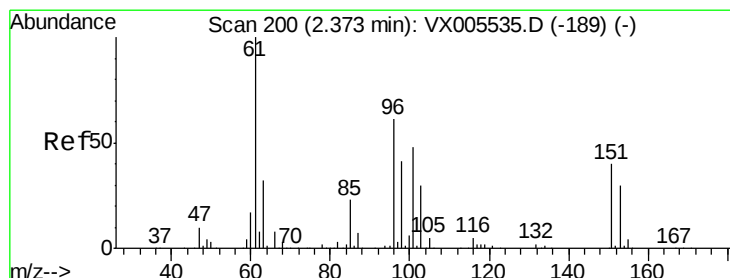
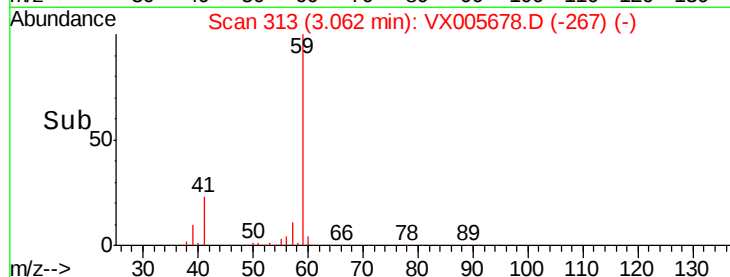
10000

0

Time-->

2.90 3.00 3.10

3.06



#12

1,1-Dichloroethene

Concen: 19.620 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

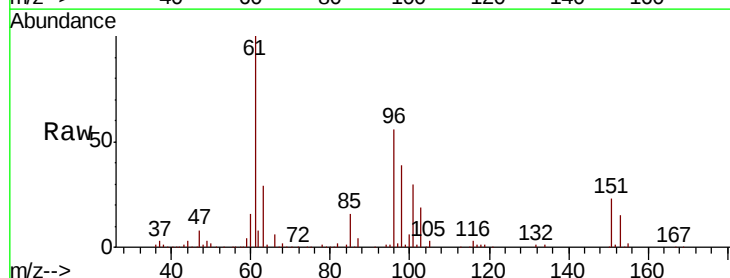
Tgt Ion: 96 Resp: 45414

Ion Ratio Lower Upper

96 100

61 177.9 131.8 197.8

98 69.7 53.4 80.2



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

60000

40000

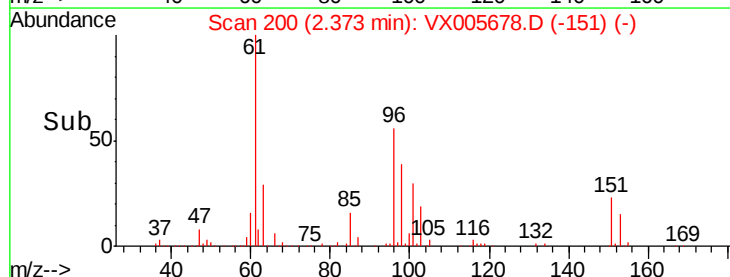
20000

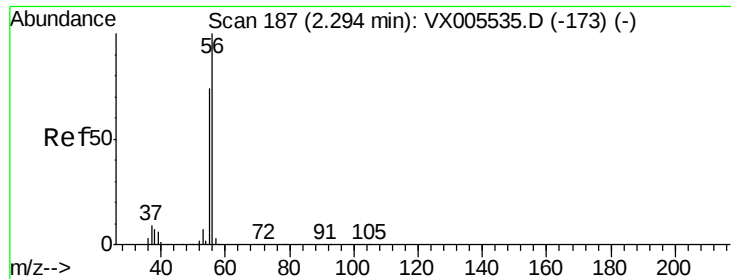
0

Time-->

2.30 2.35 2.40 2.45 2.50

2.37





#13

Acrolein

Concen: 95.003 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

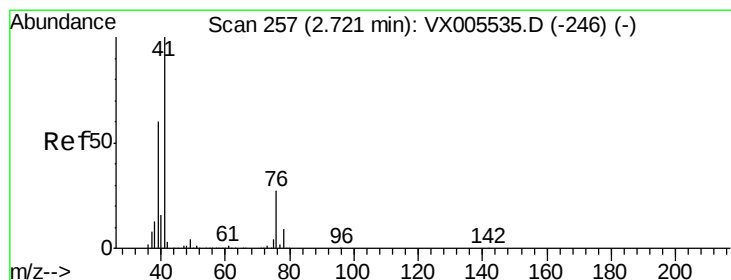
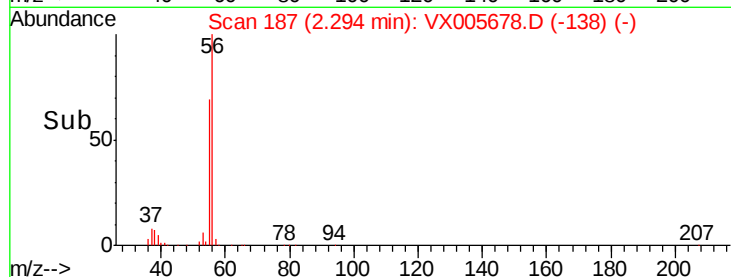
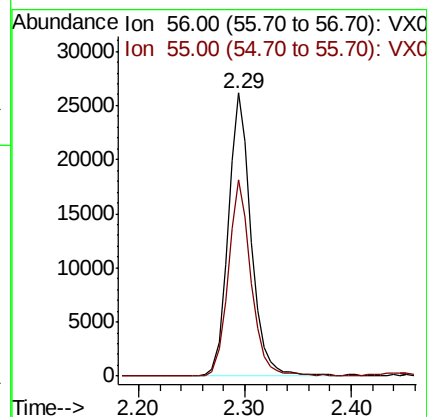
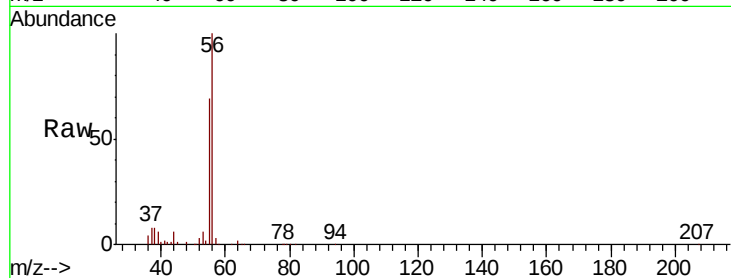
VX1029WBS02

Tot Ion: 56 Resp: 39254

Ion Ratio Lower Upper

56 100

55 69.0 57.3 85.9



#14

Allyl chloride

Concen: 19.348 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

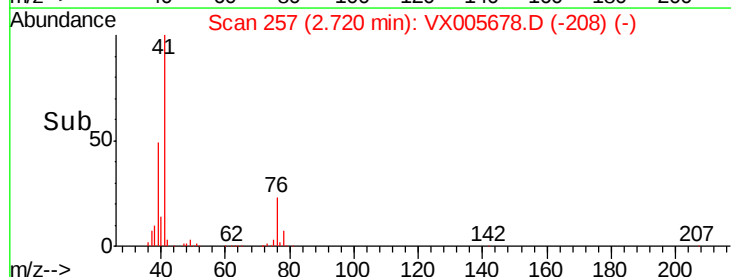
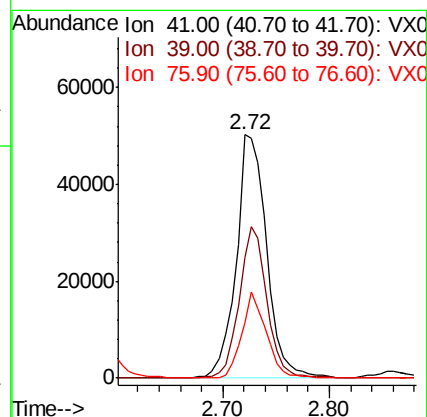
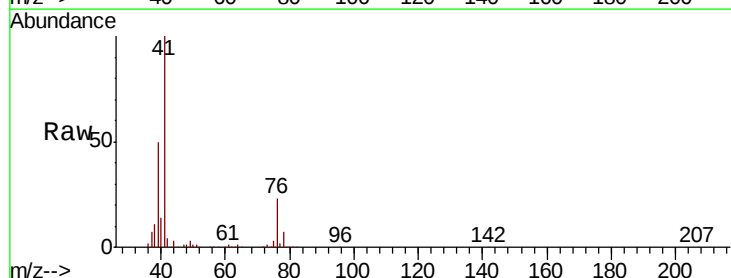
Tgt Ion: 41 Resp: 99949

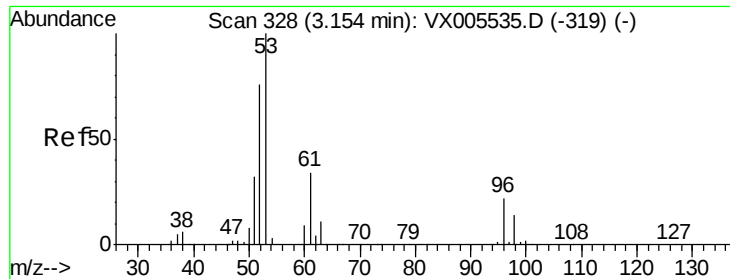
Ion Ratio Lower Upper

41 100

39 56.5 48.2 72.4

76 28.9 21.9 32.9





#15

Acrylonitrile

Concen: 96.667 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

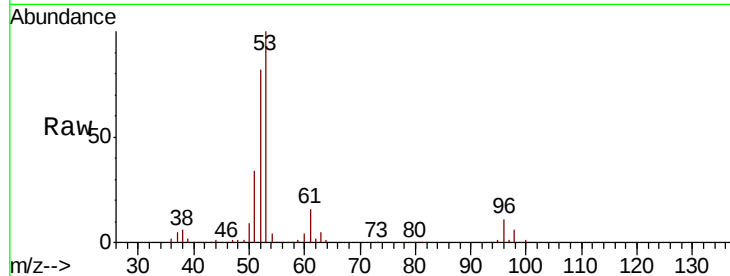
Tot Ion: 53 Resp: 175579

Ion Ratio Lower Upper

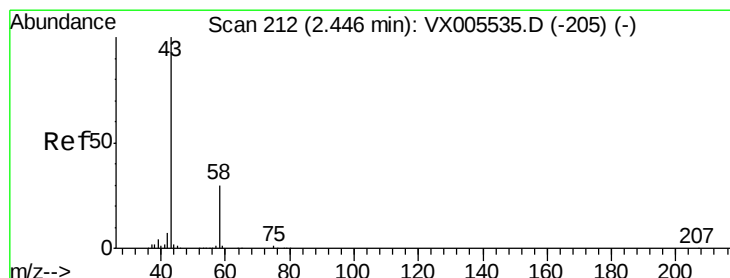
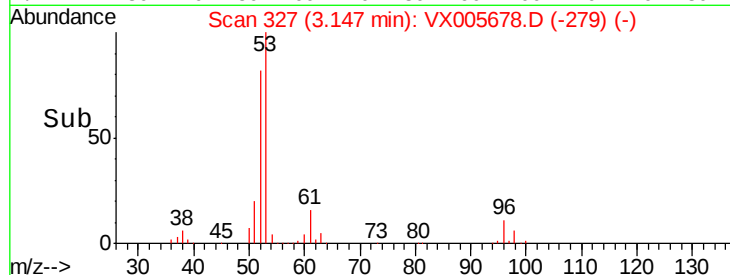
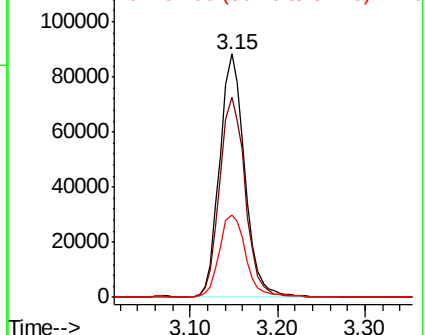
53 100

52 83.9 66.6 99.8

51 36.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 97.731 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005678.D

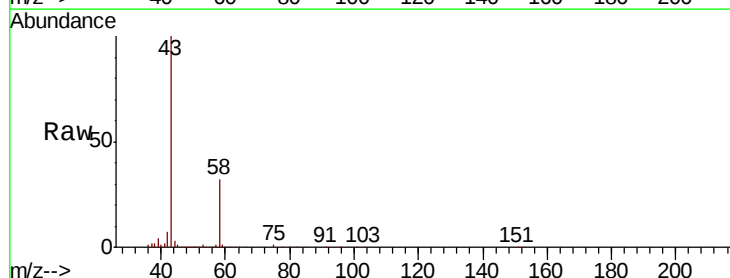
Acq: 30 Oct 2018 00:03

Tgt Ion: 43 Resp: 155447

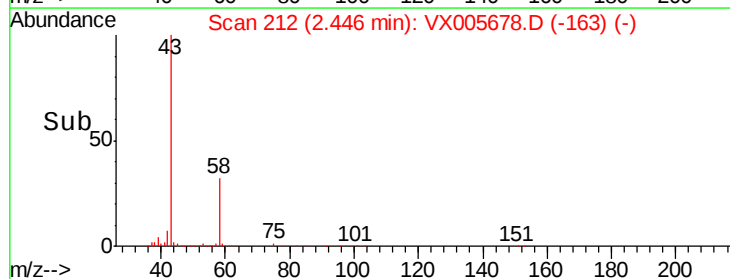
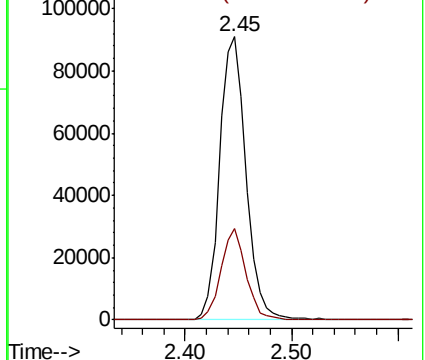
Ion Ratio Lower Upper

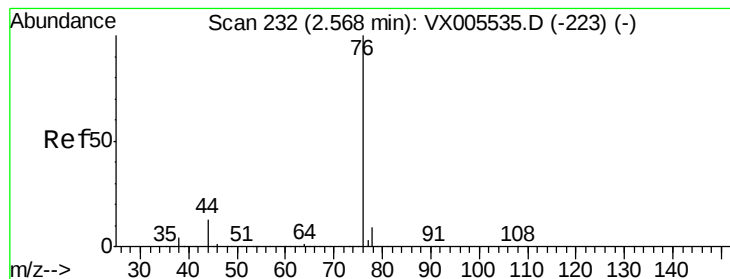
43 100

58 32.4 23.8 35.6



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





#17

Carbon Disulfide

Concen: 18.803 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

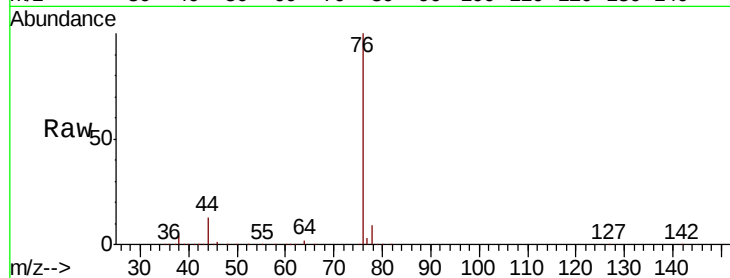
VX1029WBS02

Tot Ion: 76 Resp: 132673

Ion Ratio Lower Upper

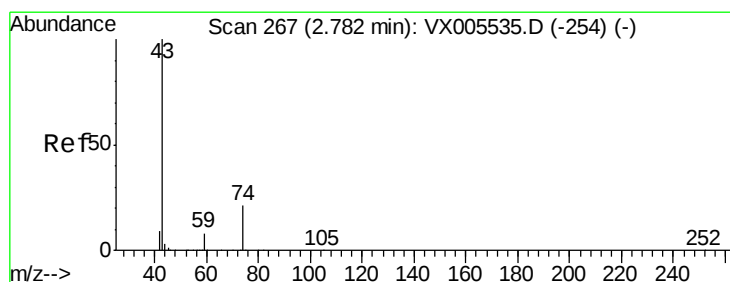
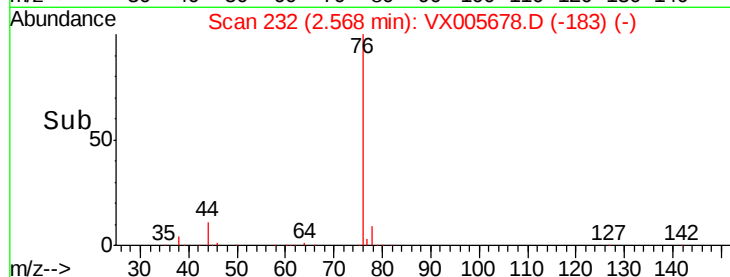
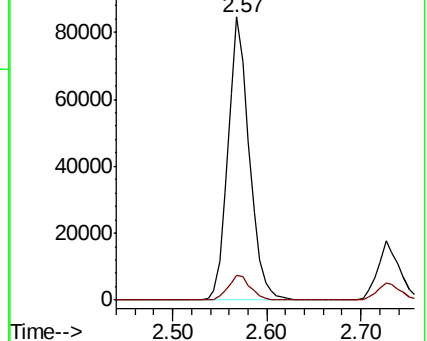
76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.235 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005678.D

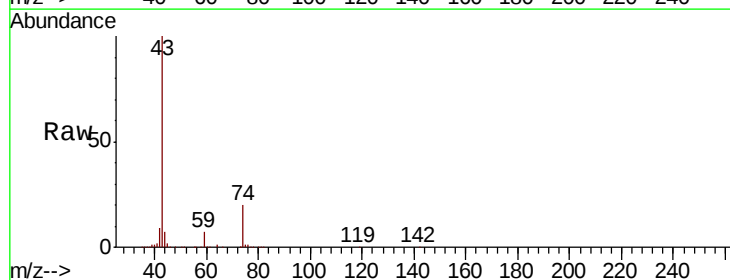
Acq: 30 Oct 2018 00:03

Tgt Ion: 43 Resp: 86743

Ion Ratio Lower Upper

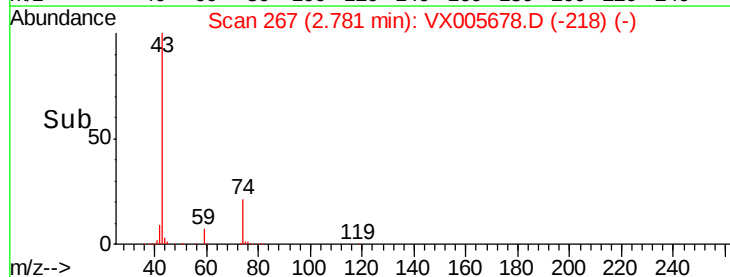
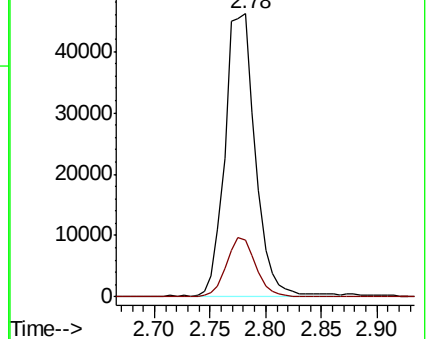
43 100

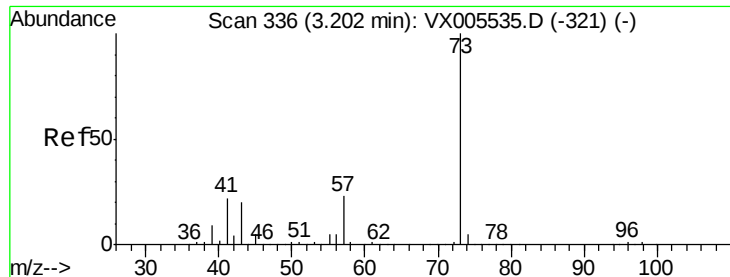
74 20.1 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

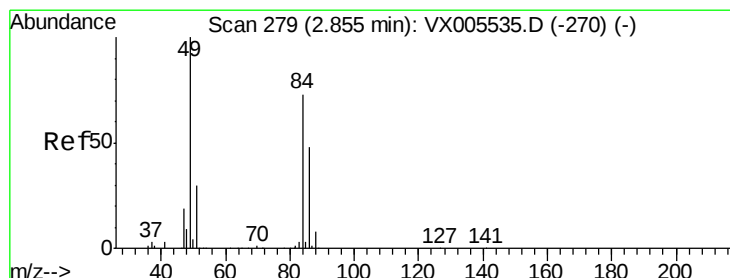
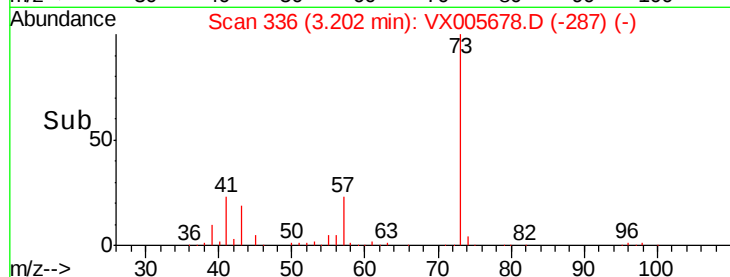
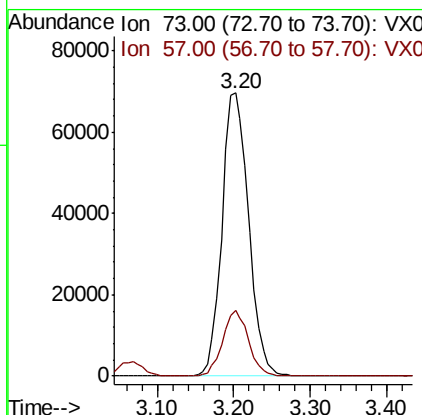
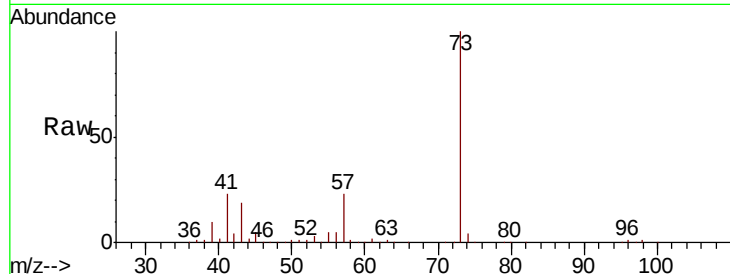




#19
Methyl tert-butyl Ether
Concen: 20.277 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

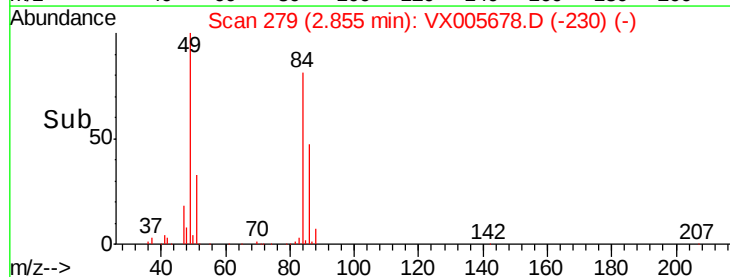
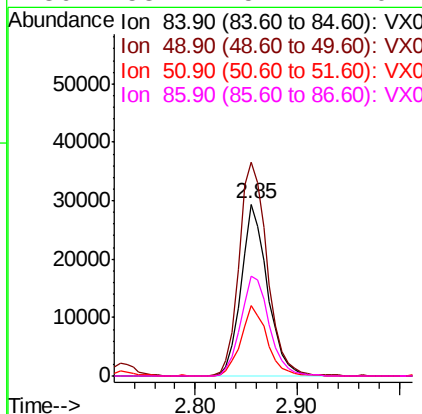
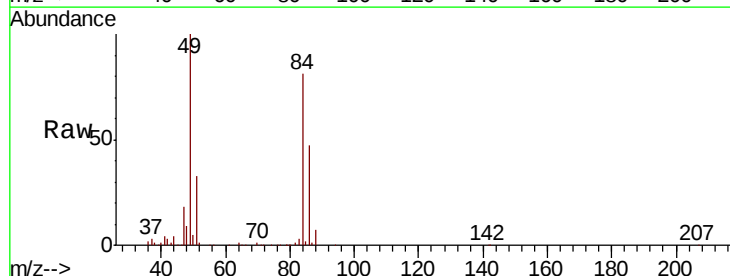
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

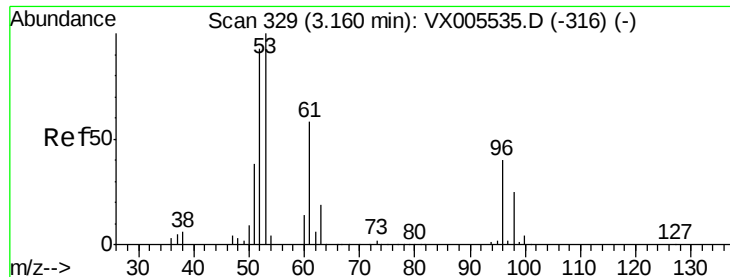
Tot Ion: 73 Resp: 167422
Ion Ratio Lower Upper
73 100
57 23.2 18.8 28.2



#20
Methylene Chloride
Concen: 19.689 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 84 Resp: 52449
Ion Ratio Lower Upper
84 100
49 124.2 109.5 164.3
51 41.0 33.3 49.9
86 58.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.024 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

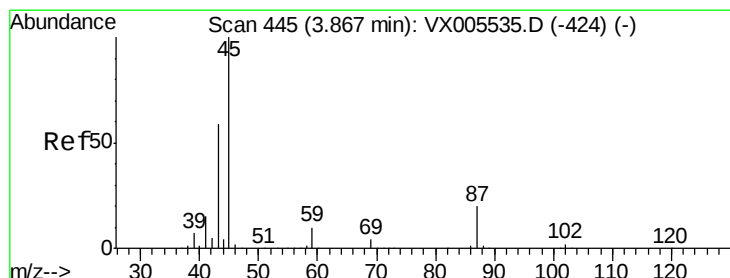
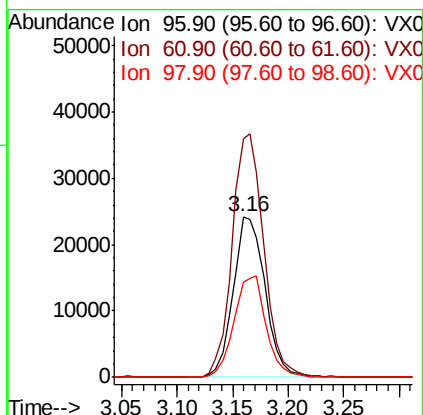
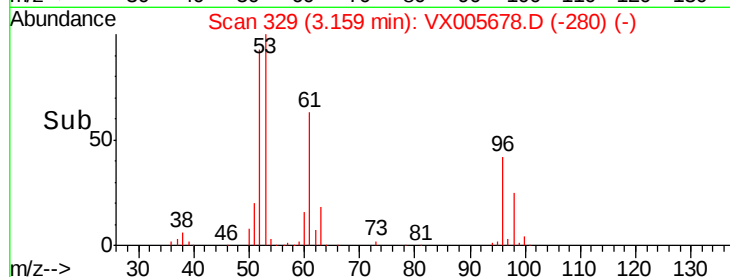
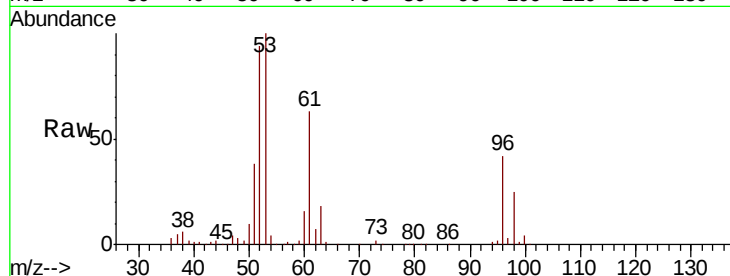
Tot Ion: 96 Resp: 48081

Ion Ratio Lower Upper

96 100

61 148.7 115.6 173.4

98 59.4 50.2 75.2



#22

Diisopropyl ether

Concen: 19.207 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion: 45 Resp: 173273

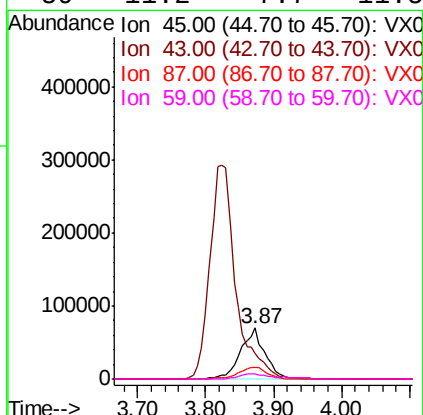
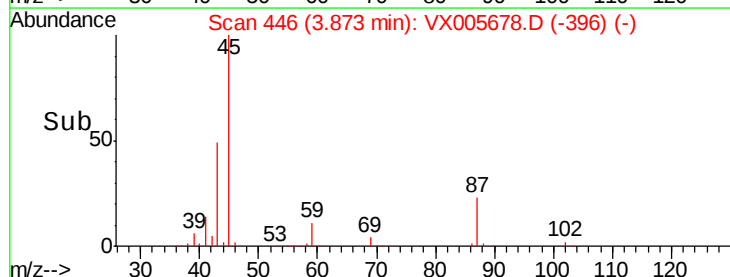
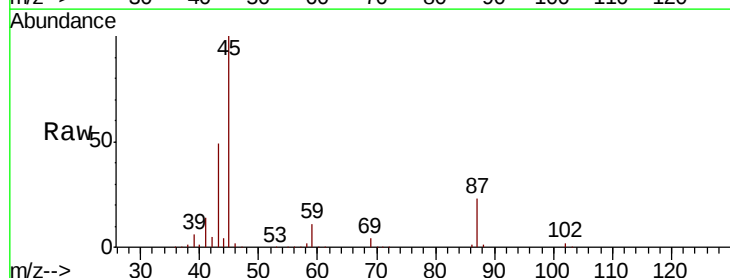
Ion Ratio Lower Upper

45 100

43 49.0 47.4 71.2

87 23.1 15.9 23.9

59 11.2 7.7 11.5





#23

Vinyl Acetate

Concen: 97.919 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

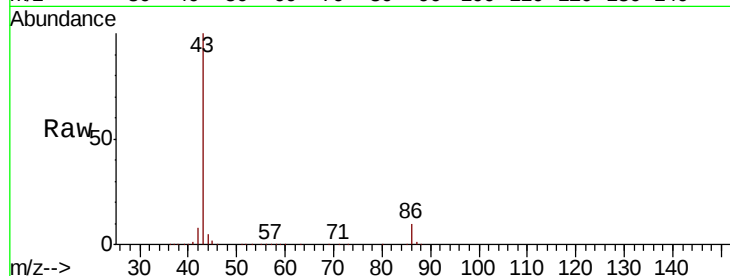
VX1029WBS02

Tot Ion: 43 Resp: 777983

Ion Ratio Lower Upper

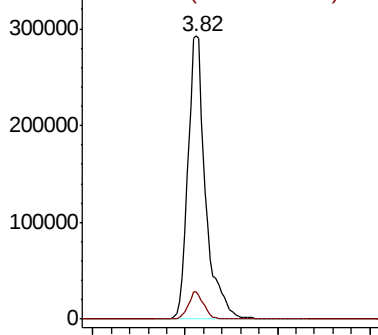
43 100

86 9.7 7.4 11.2

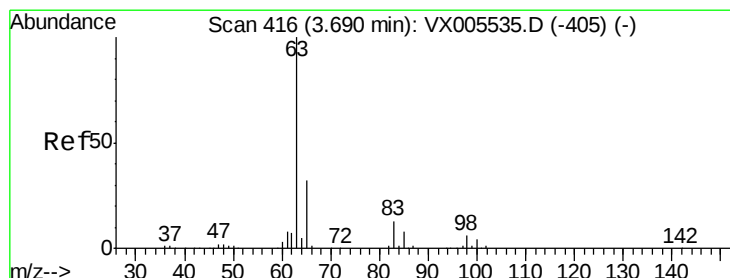
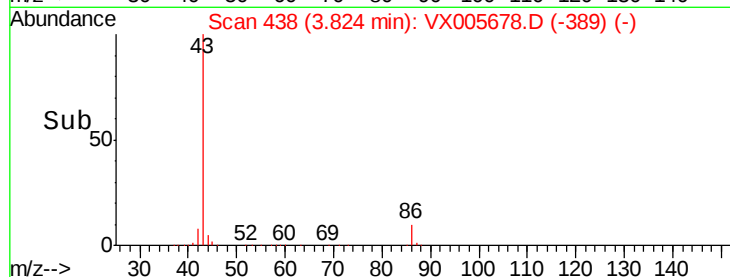


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 19.624 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

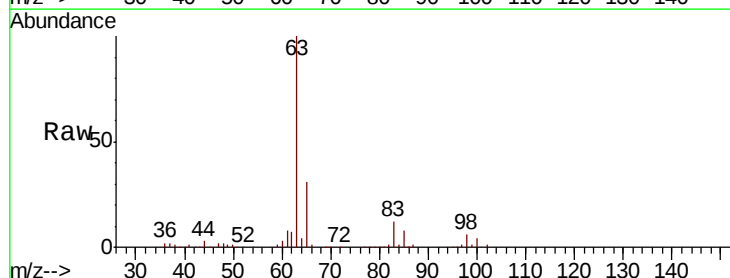
Tgt Ion: 63 Resp: 96251

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

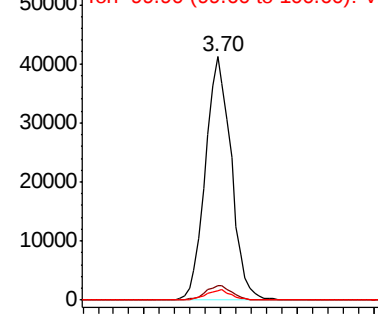
100 3.7 2.1 6.2



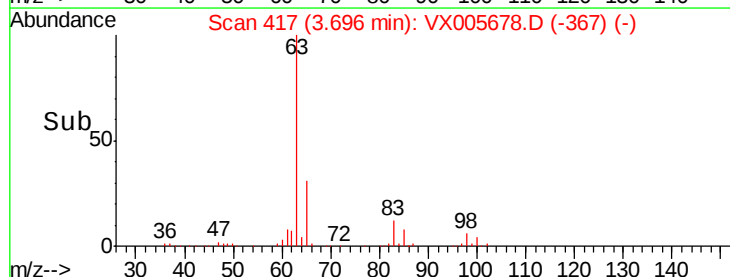
Abundance Ion 62.90 (62.60 to 63.60): VX0

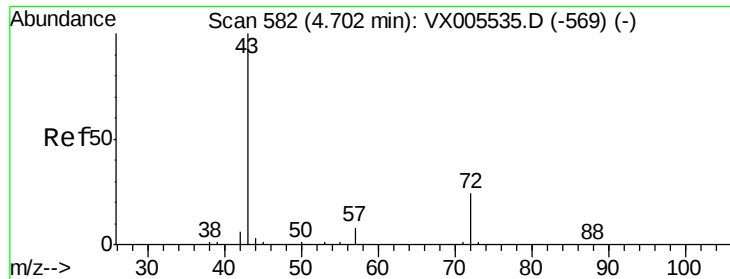
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 98.388 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

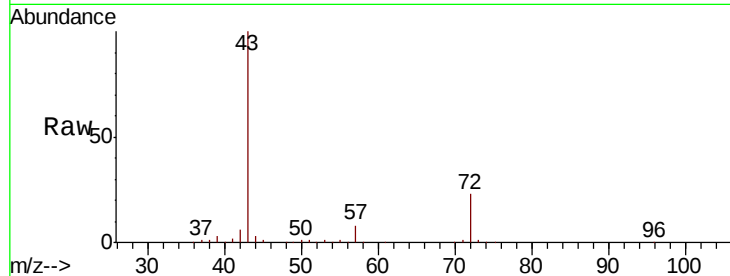
VX1029WBS02

Tot Ion: 43 Resp: 238306

Ion Ratio Lower Upper

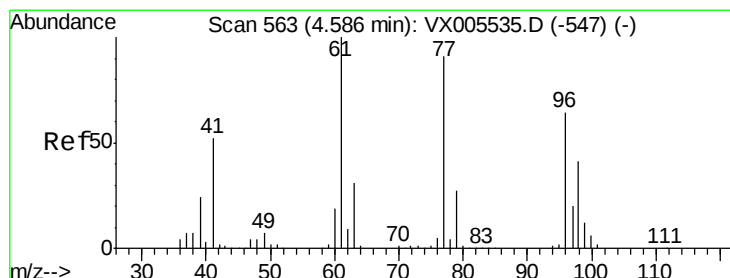
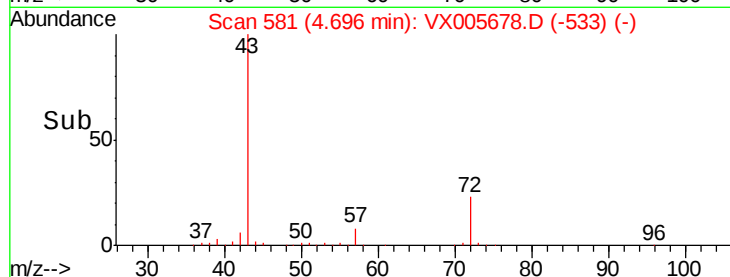
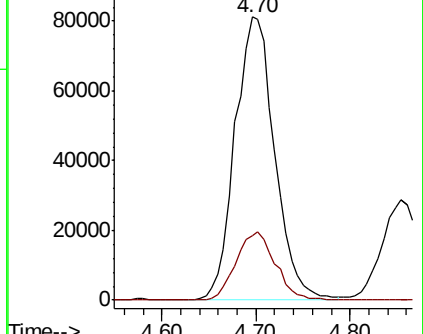
43 100

72 22.7 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: 15.760 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005678.D

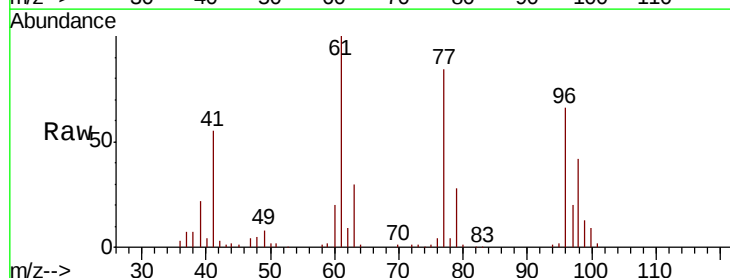
Acq: 30 Oct 2018 00:03

Tgt Ion: 77 Resp: 59678

Ion Ratio Lower Upper

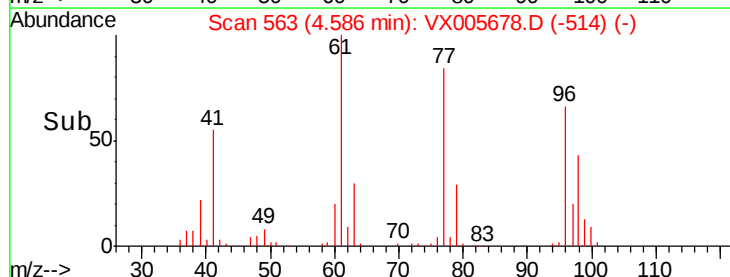
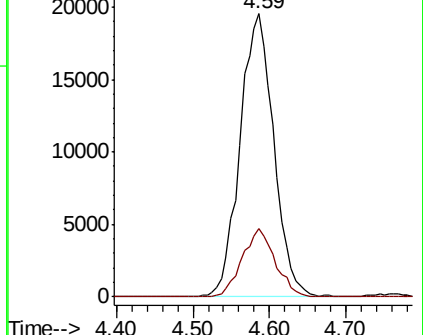
77 100

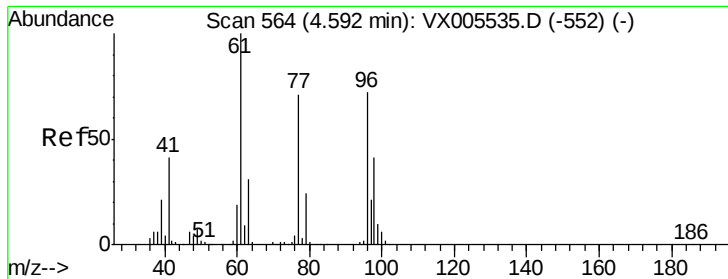
97 23.7 11.5 34.5



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

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



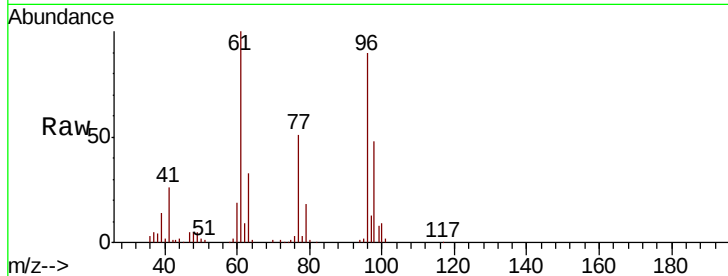


#27

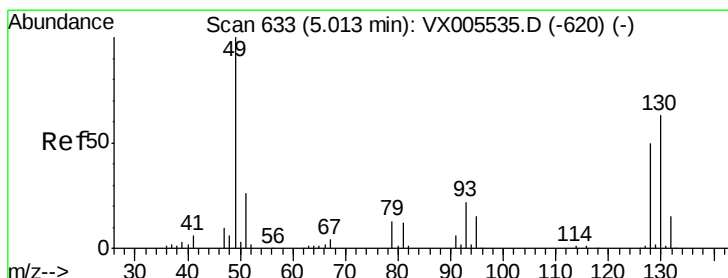
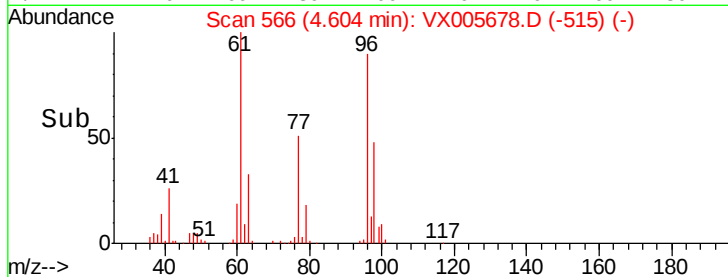
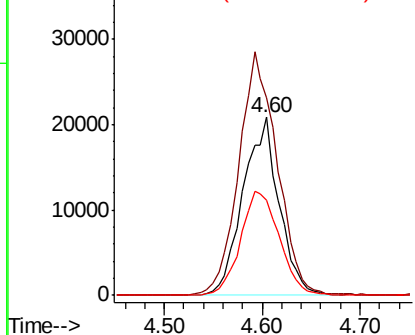
cis-1,2-Dichloroethene
 Concen: 19.547 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion: 96 Resp: 53258
 Ion Ratio Lower Upper
 96 100
 61 145.6 0.0 304.6
 98 63.0 0.0 127.4



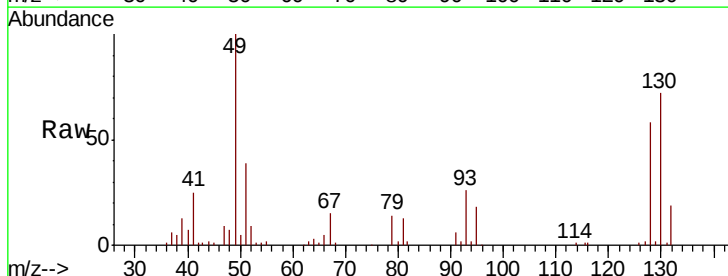
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



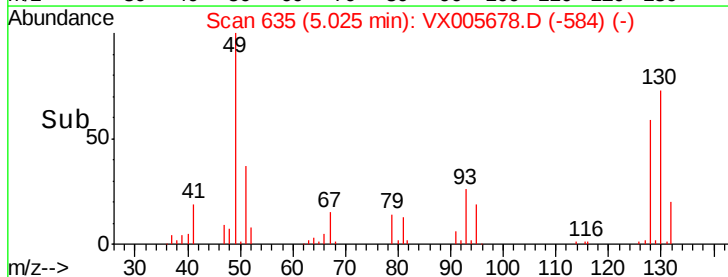
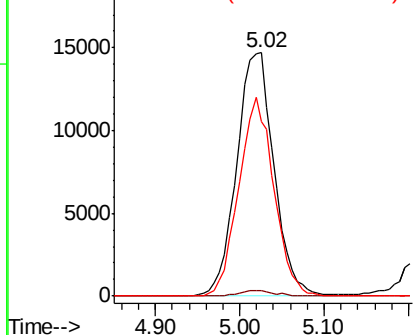
#28

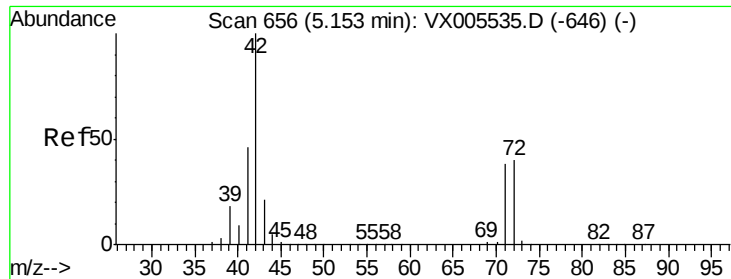
Bromochloromethane
 Concen: 18.627 ug/l
 RT: 5.02 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion: 49 Resp: 44187
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 76.4 58.9 88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

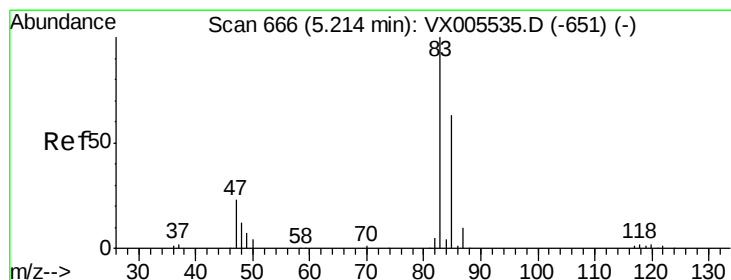
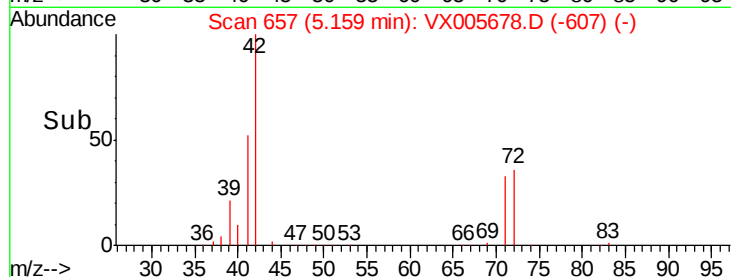
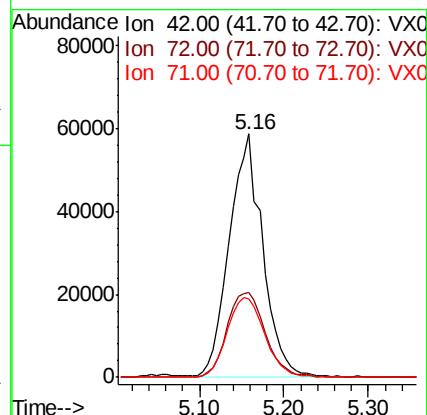
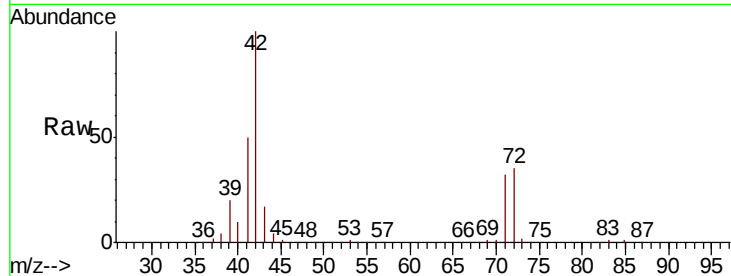




#29
Tetrahydrofuran
Concen: 99.548 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

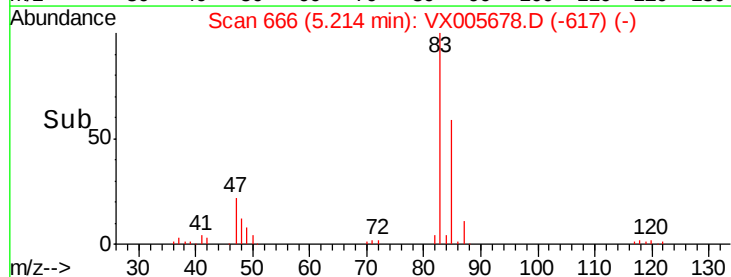
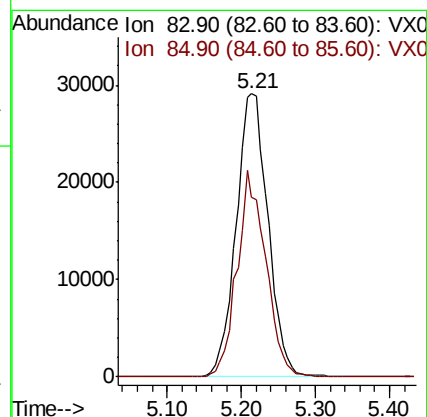
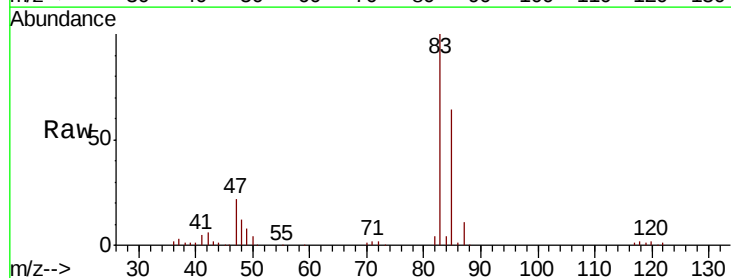
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

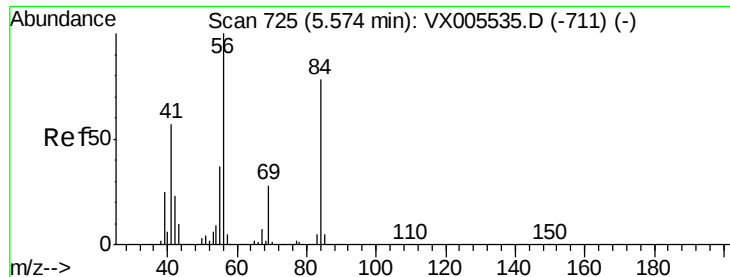
Tot Ion: 42 Resp: 156913
Ion Ratio Lower Upper
42 100
72 40.3 32.0 48.0
71 37.4 29.8 44.8



#30
Chloroform
Concen: 19.055 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 83 Resp: 87423
Ion Ratio Lower Upper
83 100
85 63.6 50.6 76.0

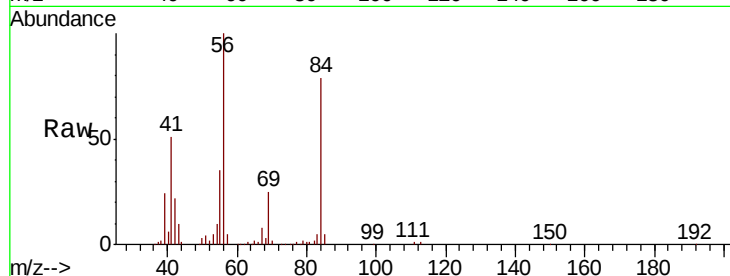




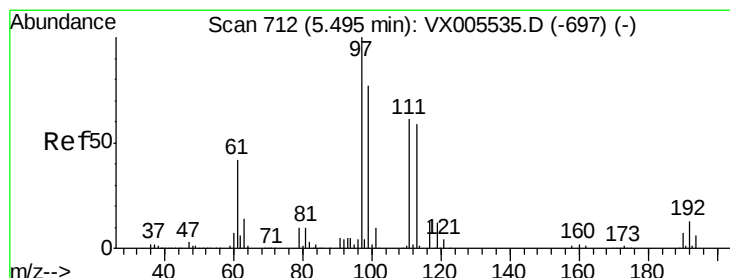
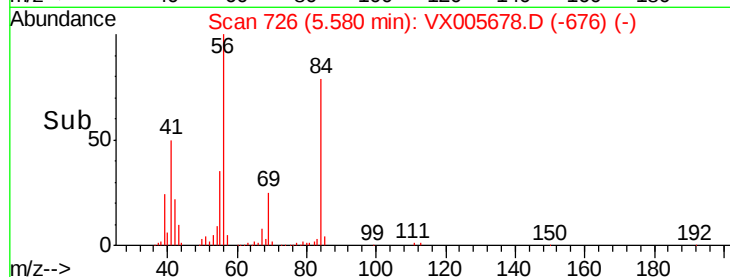
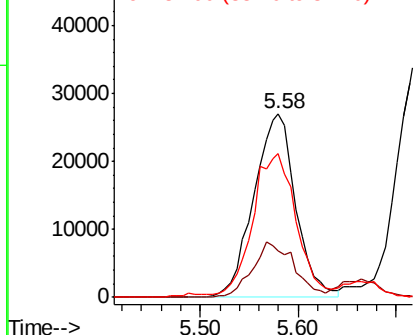
#31
Cyclohexane
Concen: 19.790 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion: 56 Resp: 80312
Ion Ratio Lower Upper
56 100
69 25.5 22.6 34.0
84 76.5 62.7 94.1

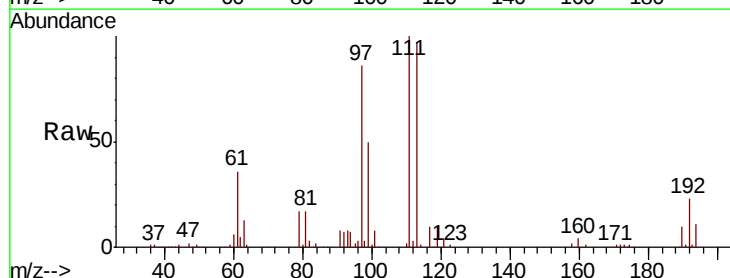


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

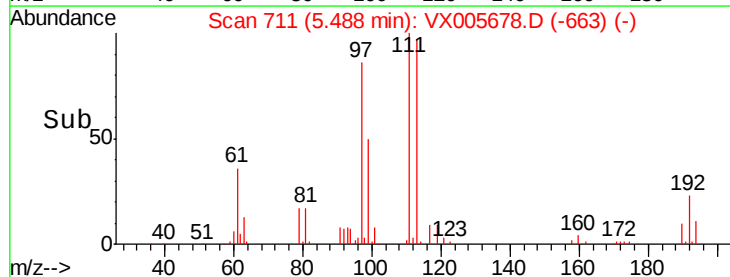
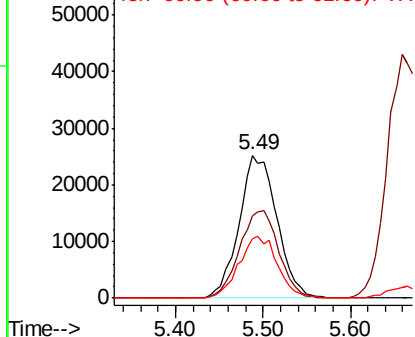


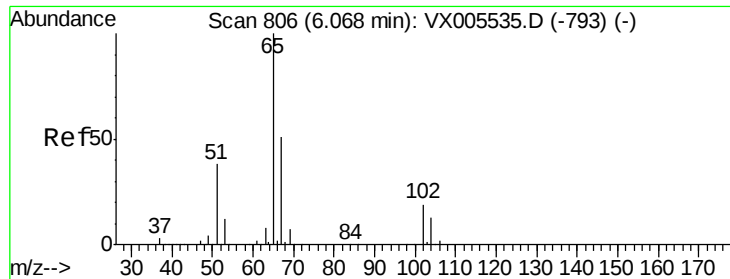
#32
1,1,1-Trichloroethane
Concen: 18.783 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 97 Resp: 76059
Ion Ratio Lower Upper
97 100
99 63.7 52.3 78.5
61 43.9 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: 44.295 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

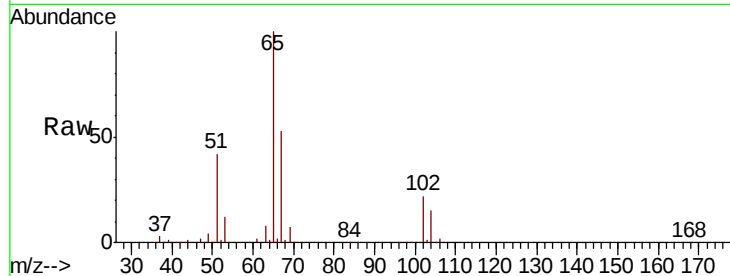
VX1029WBS02

Tot Ion: 65 Resp: 133330

Ion Ratio Lower Upper

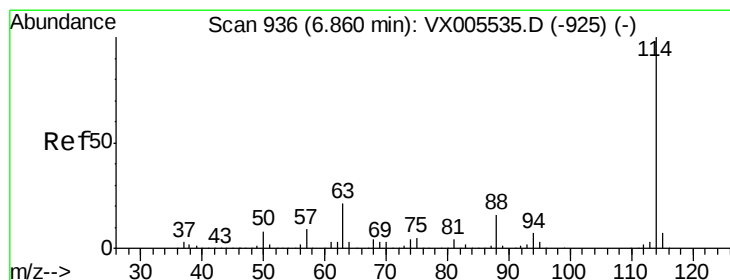
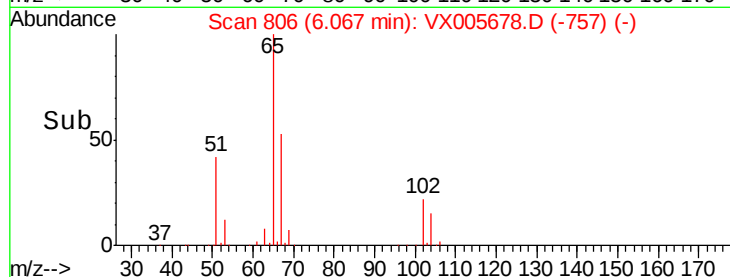
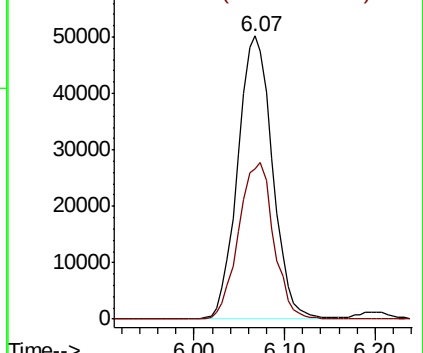
65 100

67 55.8 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

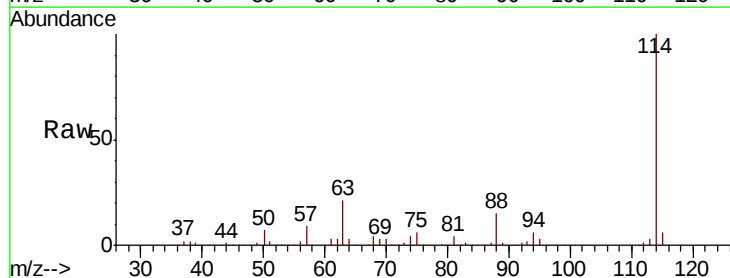
Tgt Ion:114 Resp: 354525

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

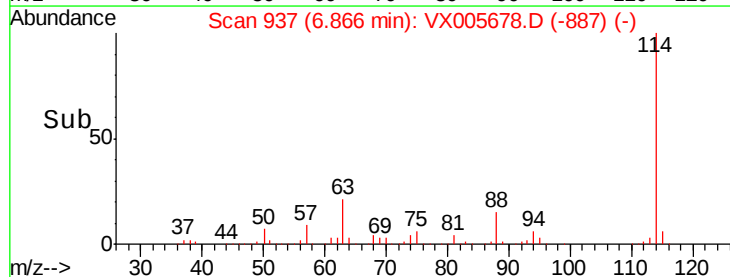
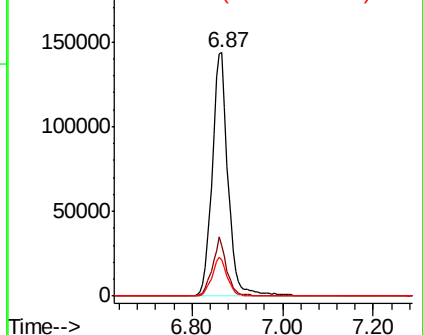
88 15.0 0.0 31.2

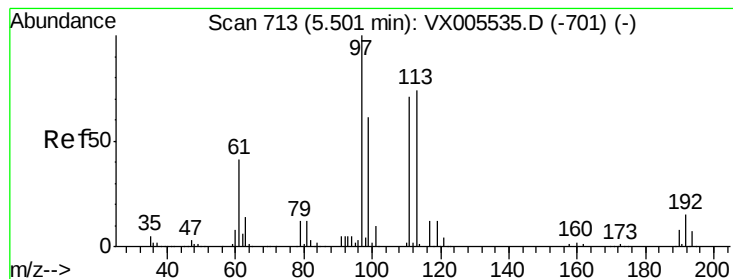


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.180 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

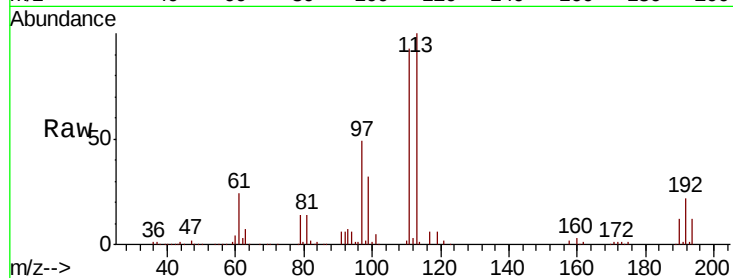
Tot Ion:113 Resp: 110856

Ion Ratio Lower Upper

113 100

111 99.8 82.3 123.5

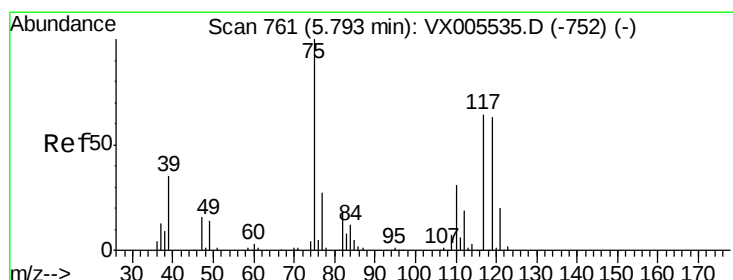
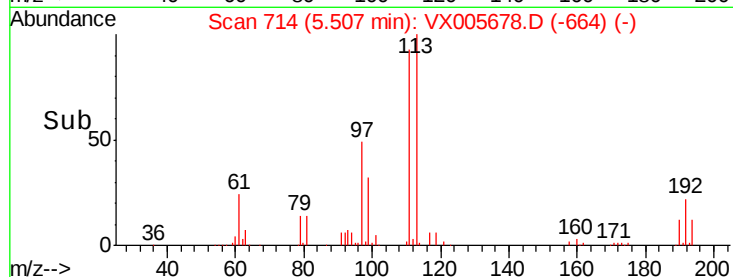
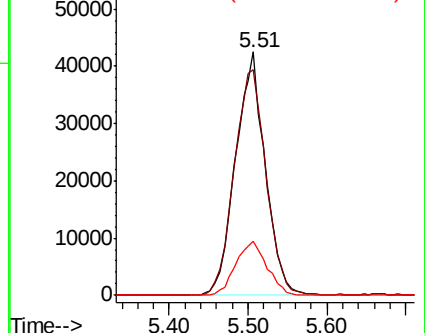
192 23.6 17.9 26.9



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: 19.170 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

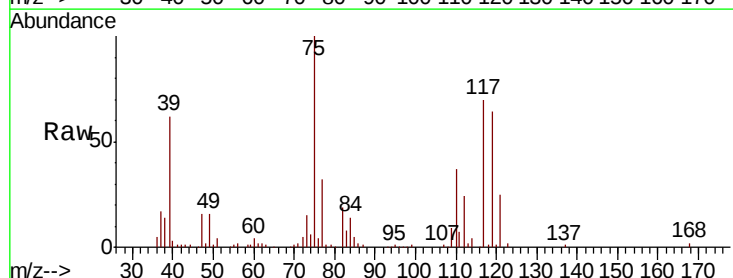
Tgt Ion: 75 Resp: 65953

Ion Ratio Lower Upper

75 100

110 36.3 17.4 52.2

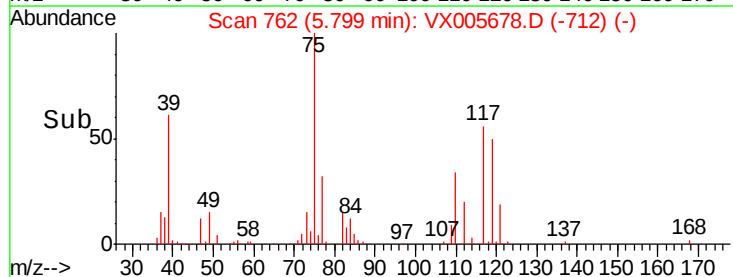
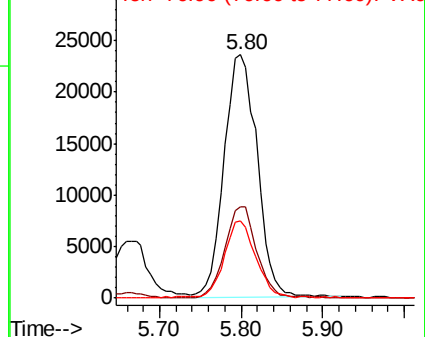
77 29.5 25.8 38.6

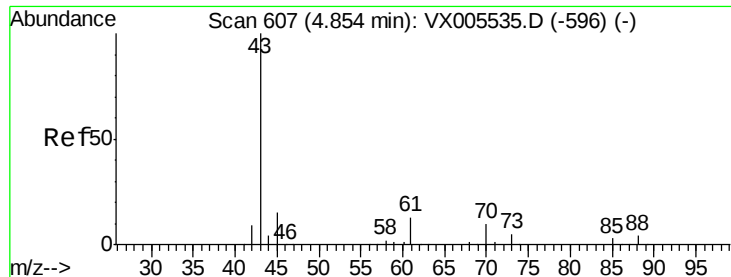


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

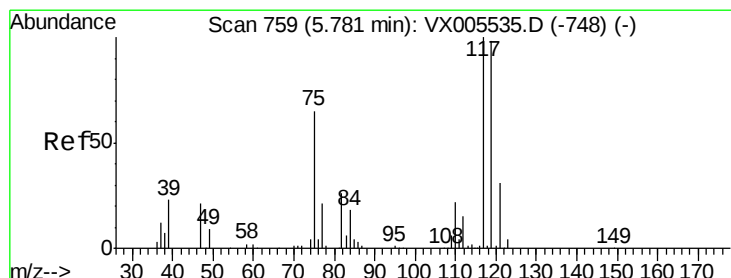
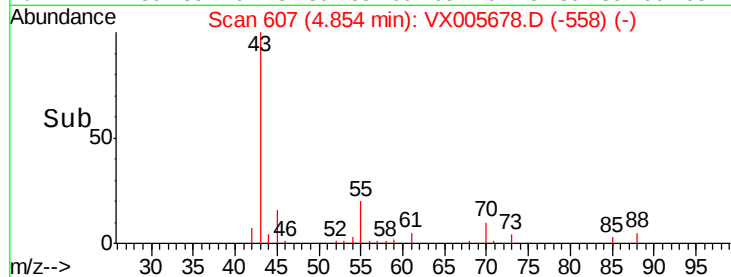
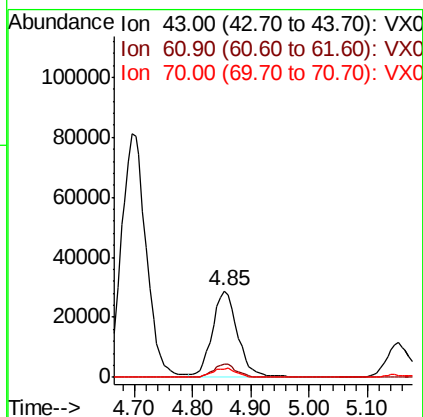
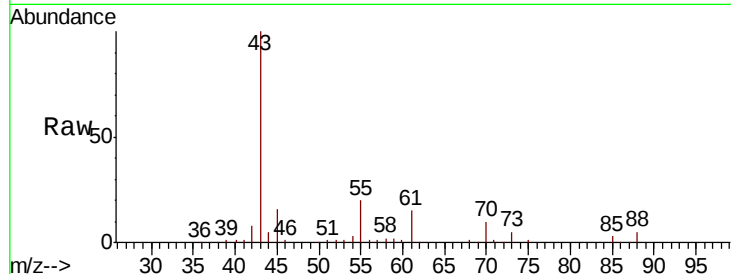




#37
Ethyl Acetate
Concen: 19.669 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

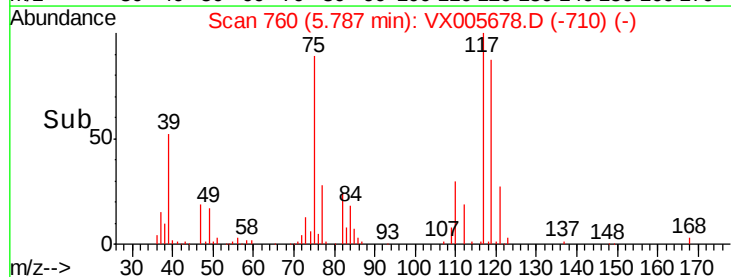
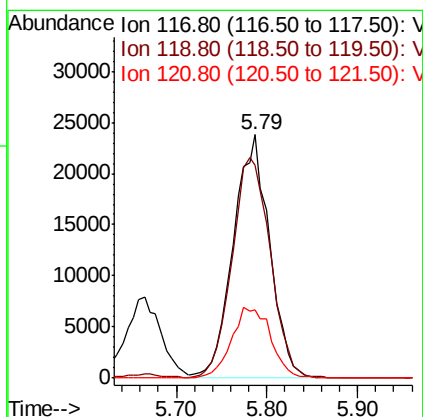
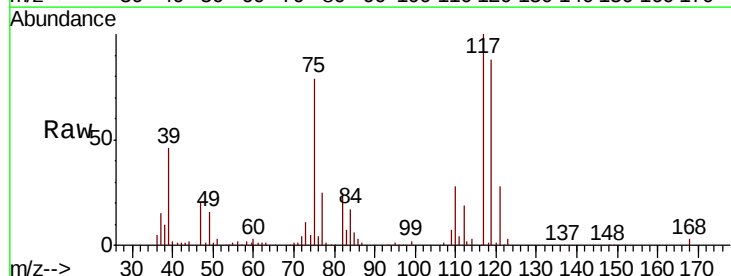
Instrument :
MSVOA_X
ClientSampled :
VX1029WBS02

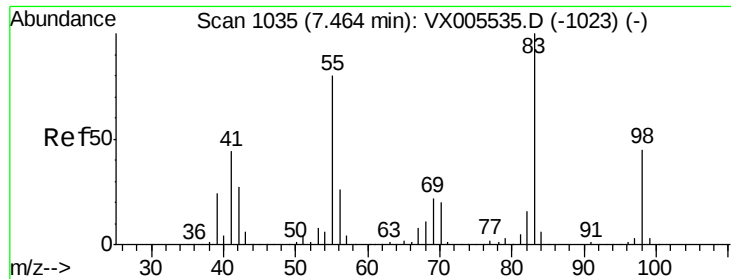
Tot Ion: 43 Resp: 86354
Ion Ratio Lower Upper
43 100
61 13.7 10.8 16.2
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.246 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 117 Resp: 66117
Ion Ratio Lower Upper
117 100
119 87.6 78.1 117.1
121 27.9 24.6 36.8

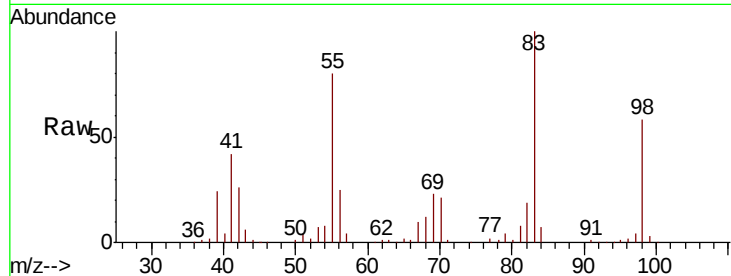




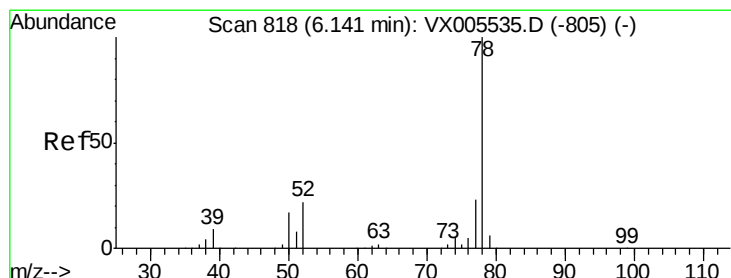
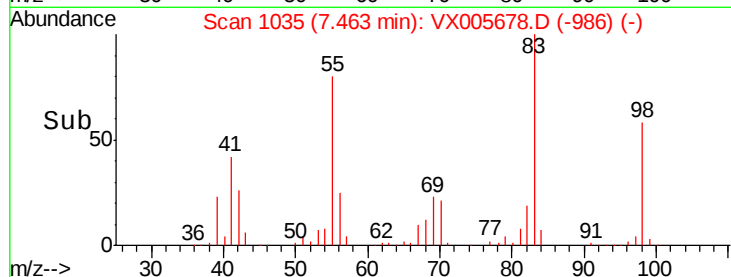
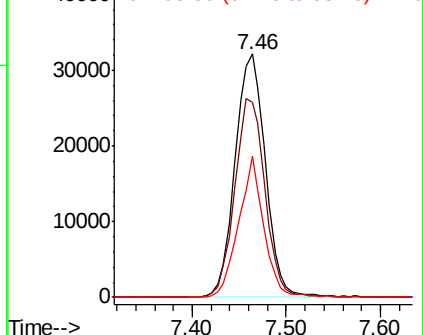
#39
Methvlcvclohexane
Concen: 18.921 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion: 83 Resp: 71885
Ion Ratio Lower Upper
83 100
55 80.3 63.7 95.5
98 57.8 36.2 54.2#

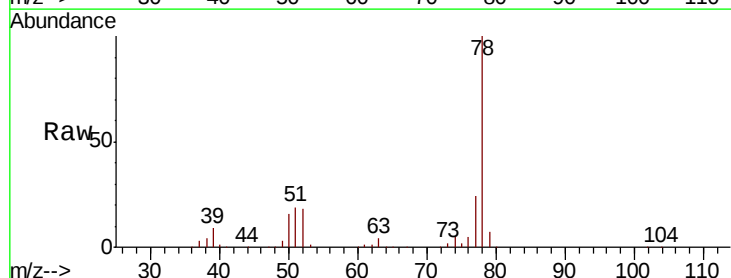


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

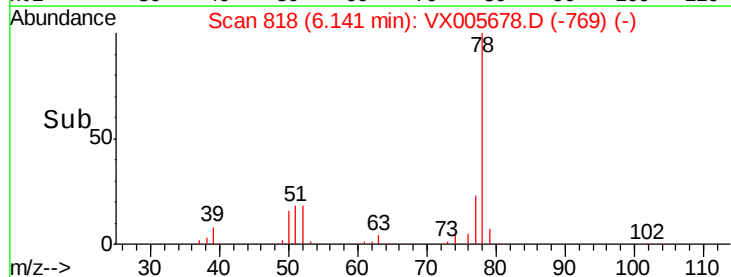
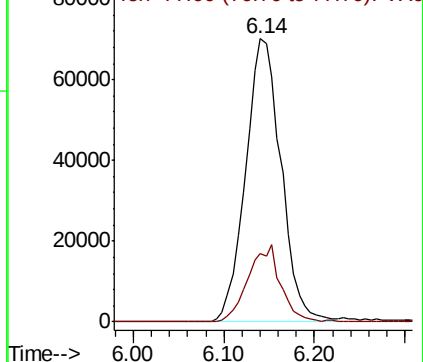


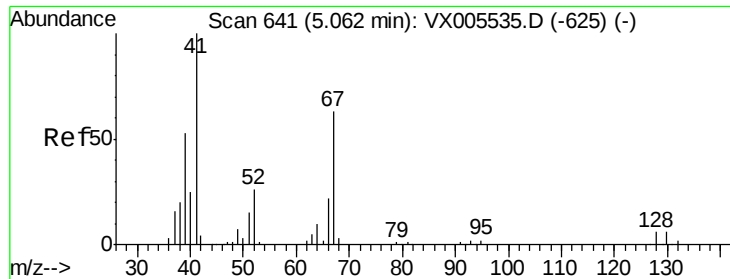
#40
Benzene
Concen: 19.273 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 78 Resp: 190084
Ion Ratio Lower Upper
78 100
77 24.0 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

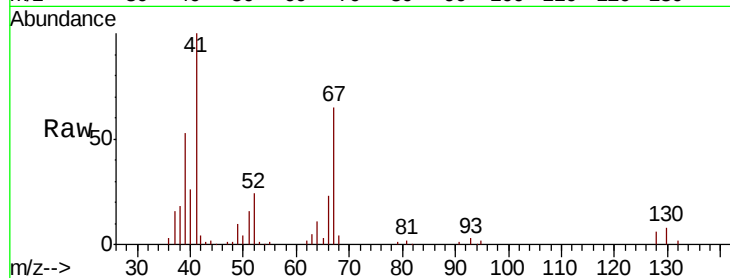




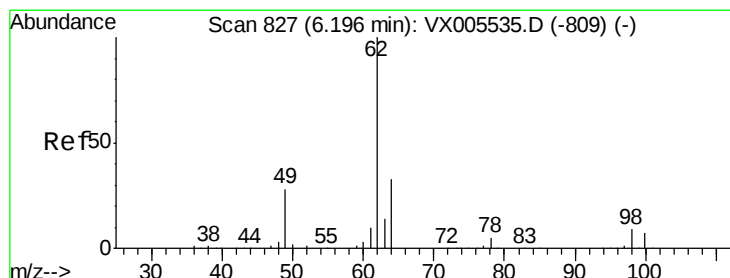
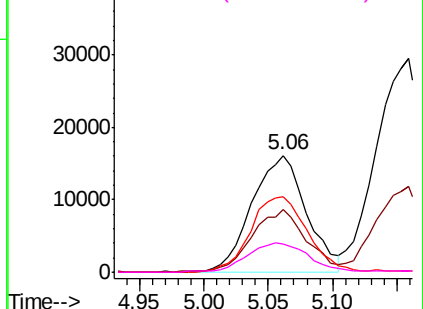
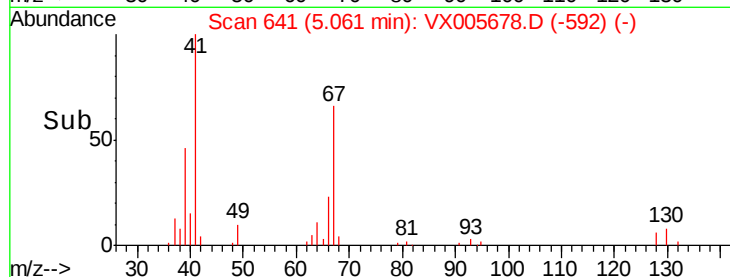
#41
Methacrylonitrile
Concen: 19.356 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion:	41	Resp:	47338
Ion	Ratio	Lower	Upper
41	100		
39	53.7	42.2	63.2
67	68.1	53.4	80.0
52	28.7	23.4	35.2

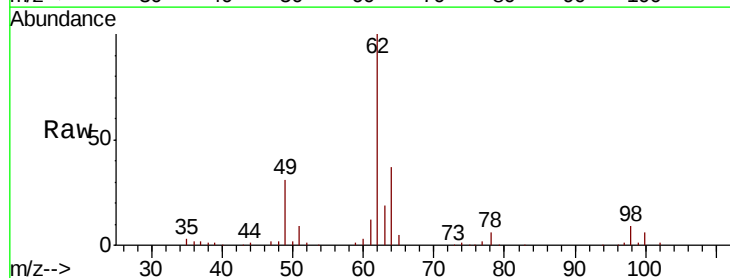


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

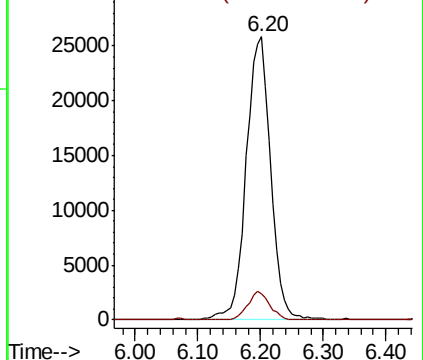
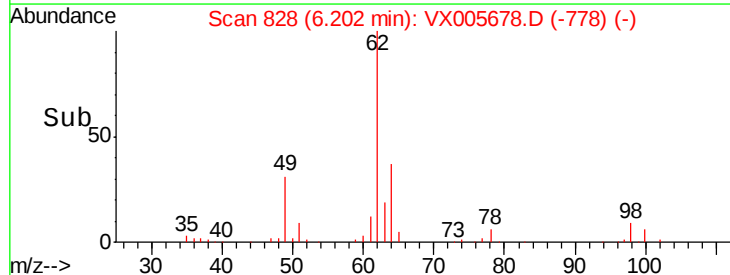


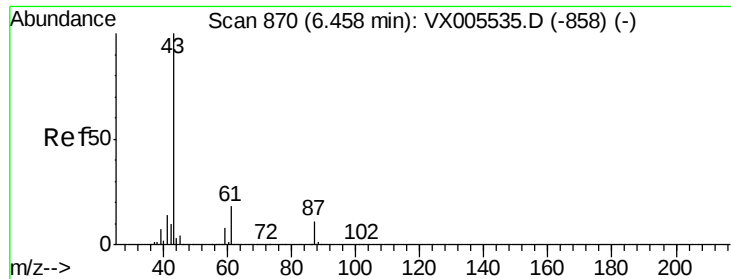
#42
1,2-Dichloroethane
Concen: 18.651 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion:	62	Resp:	69879
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



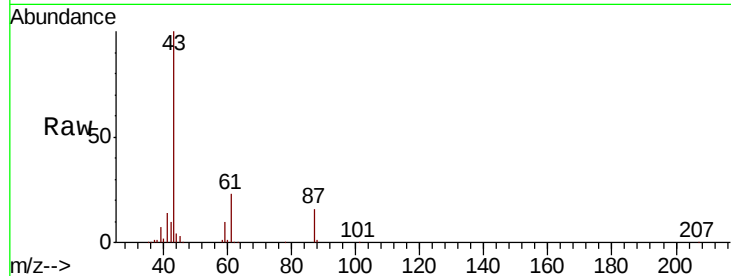


#43

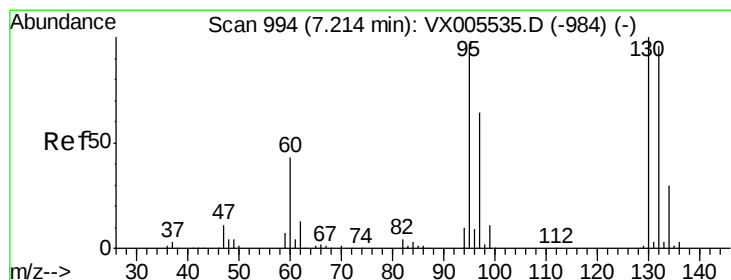
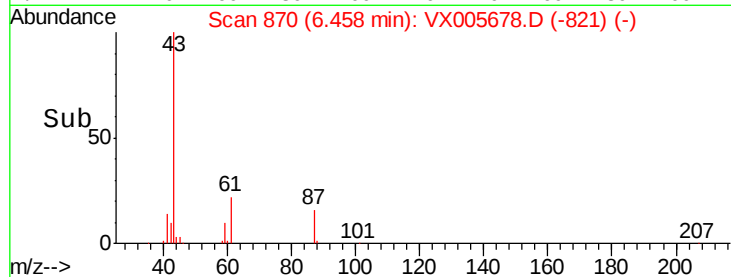
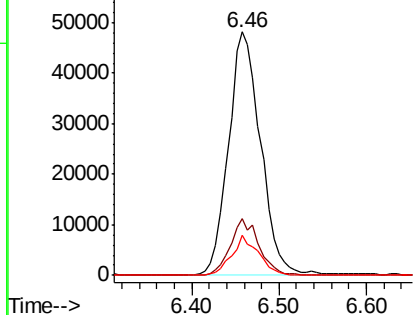
Isopropyl Acetate
 Concen: 18.706 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion: 43 Resp: 123069
 Ion Ratio Lower Upper
 43 100
 61 20.9 14.6 22.0
 87 13.9 9.6 14.4



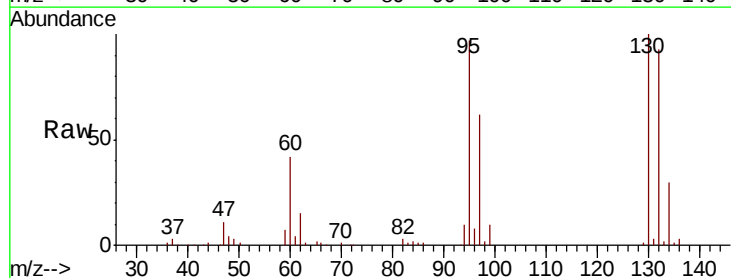
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



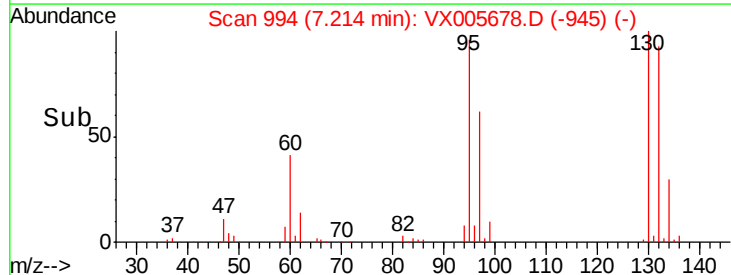
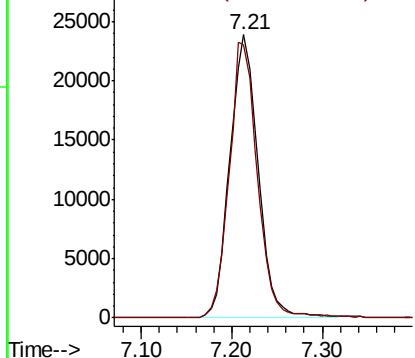
#44

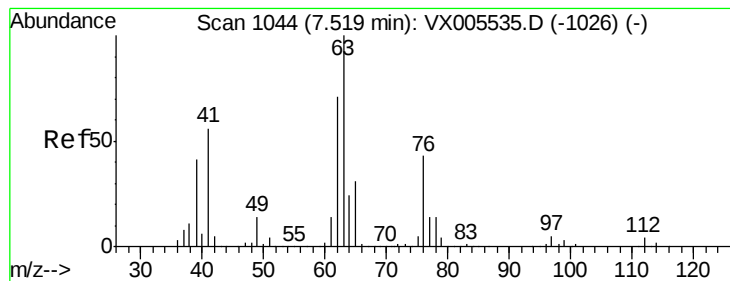
Trichloroethene
 Concen: 19.295 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion:130 Resp: 51842
 Ion Ratio Lower Upper
 130 100
 95 96.6 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.492 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampled :

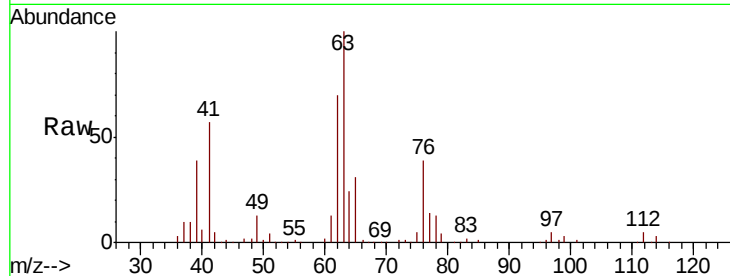
VX1029WBS02

Tot Ion: 63 Resp: 51684

Ion Ratio Lower Upper

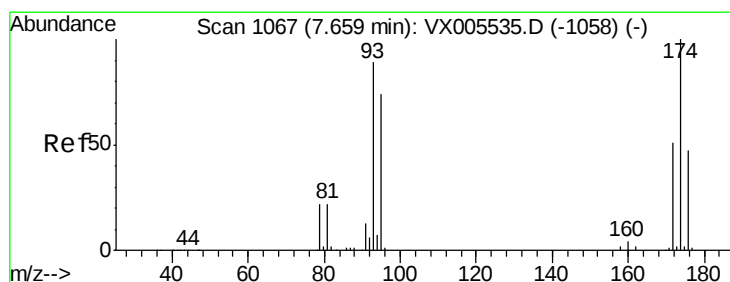
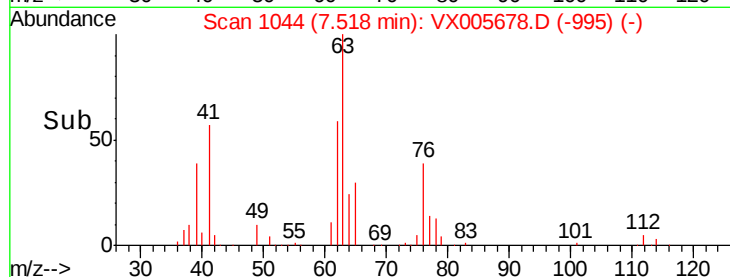
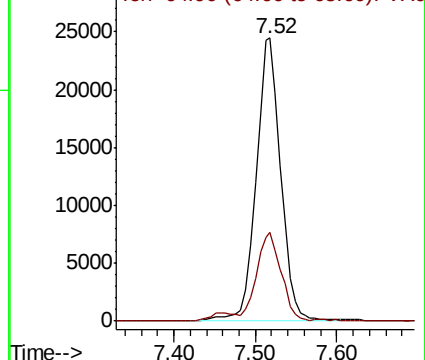
63 100

65 31.2 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.928 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

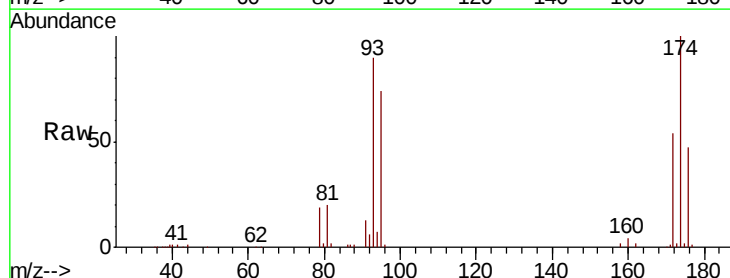
Tgt Ion: 93 Resp: 32415

Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.0

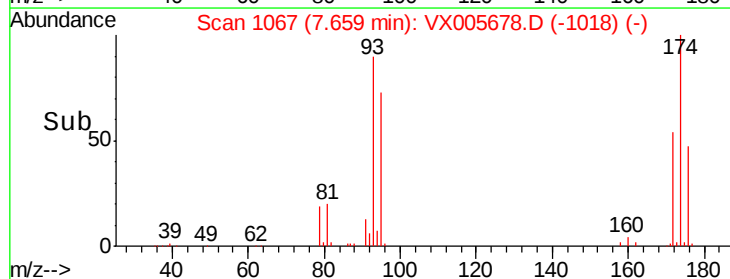
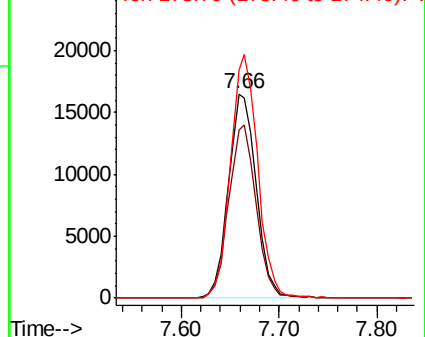
174 117.1 91.5 137.3

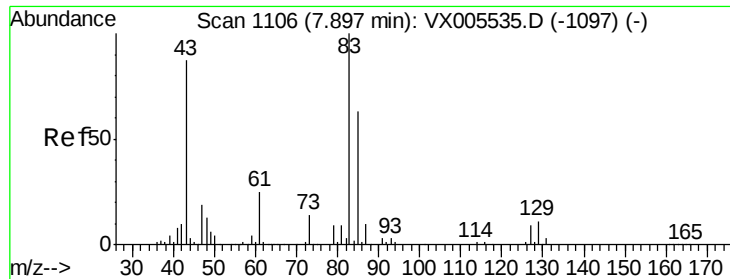


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.335 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

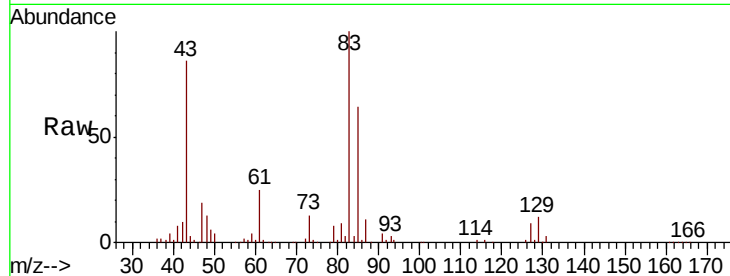
Tot Ion: 83 Resp: 60942

Ion Ratio Lower Upper

83 100

85 64.3 50.2 75.4

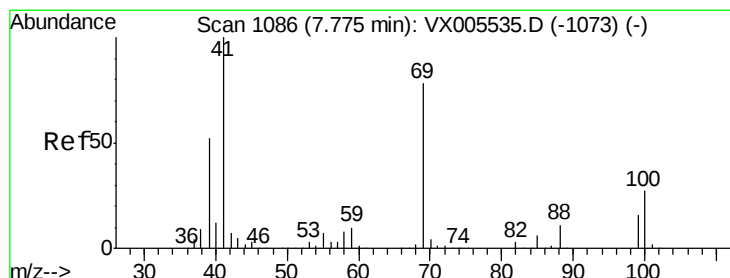
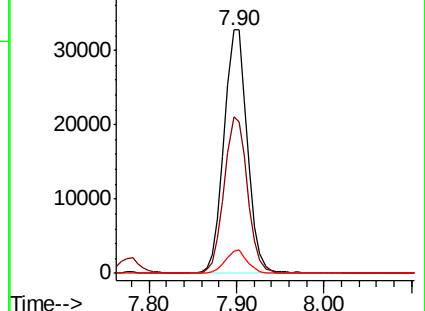
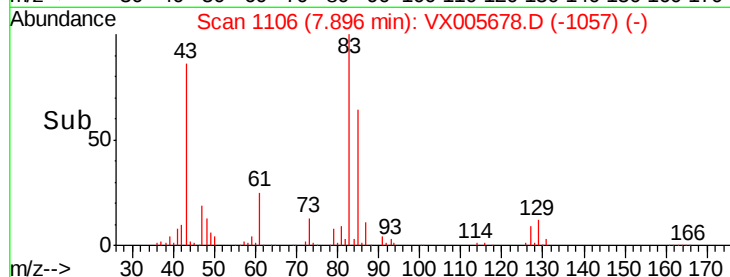
127 9.2 6.9 10.3



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: 19.071 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

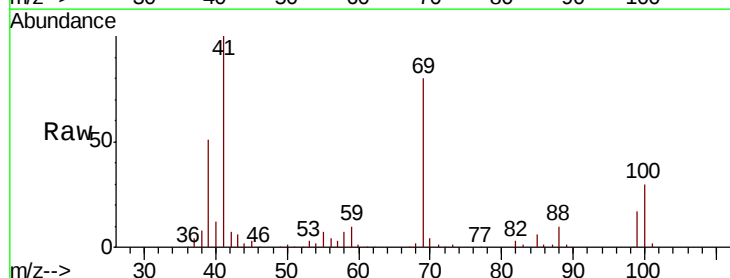
Tgt Ion: 41 Resp: 61124

Ion Ratio Lower Upper

41 100

69 81.3 63.2 94.8

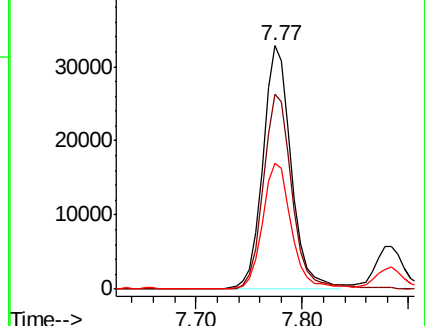
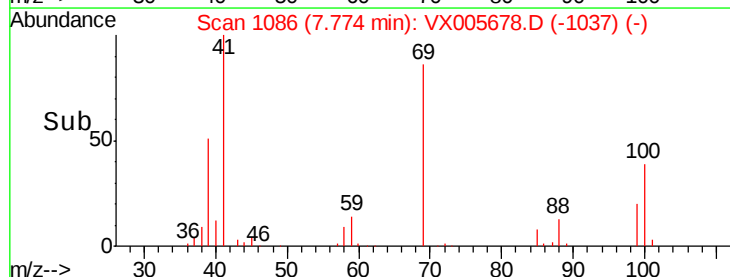
39 52.2 42.2 63.2

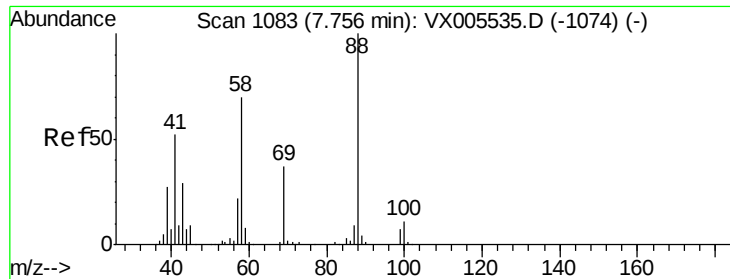


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

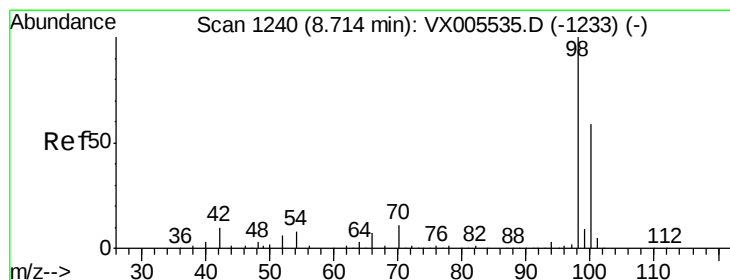
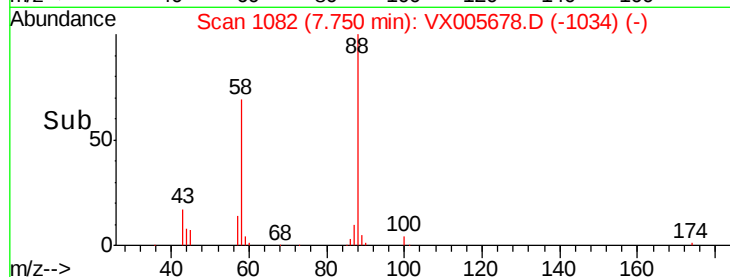
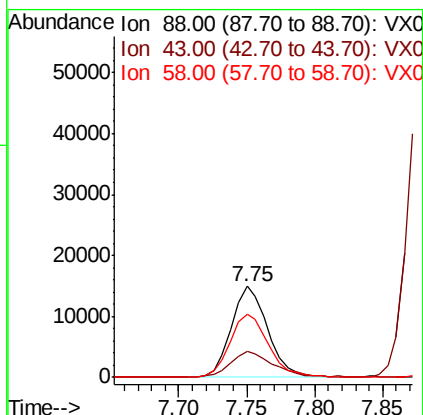
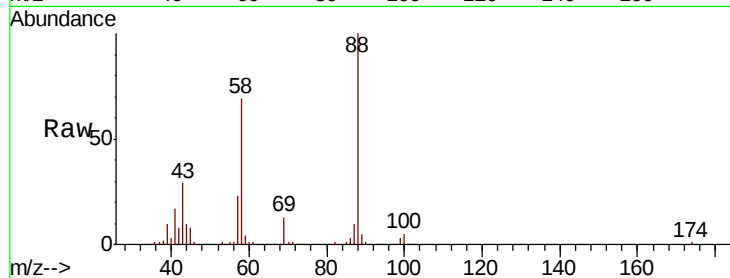




#49
1,4-Dioxane
Concen: 397.308 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

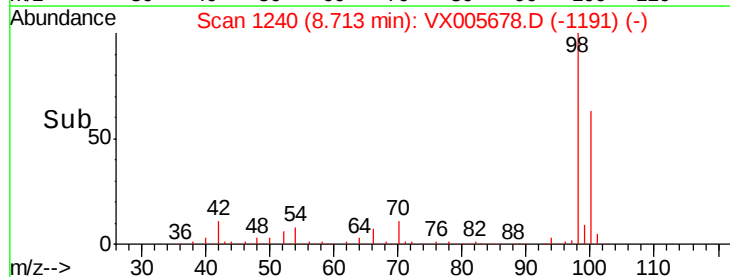
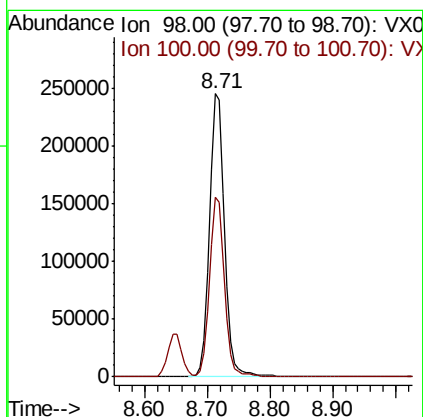
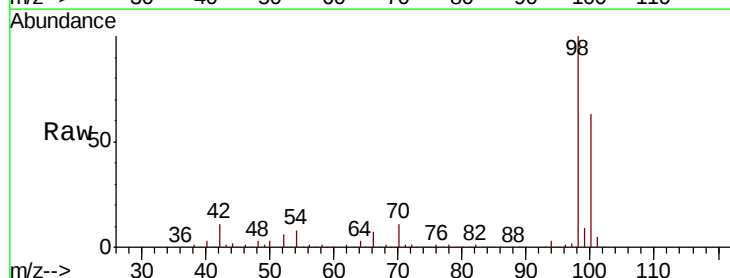
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

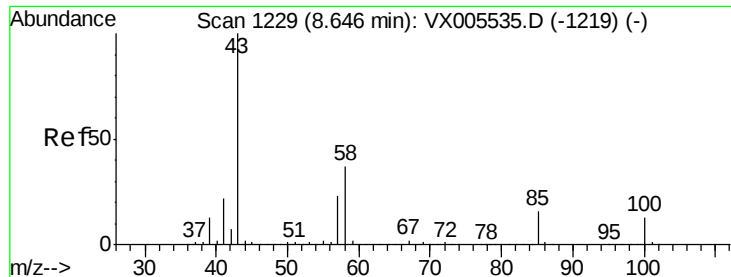
Tot Ion: 88 Resp: 27828
Ion Ratio Lower Upper
88 100
43 34.3 27.4 41.0
58 74.4 59.4 89.2



#50
Toluene-d8
Concen: 46.996 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 98 Resp: 405370
Ion Ratio Lower Upper
98 100
100 63.4 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 96.722 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

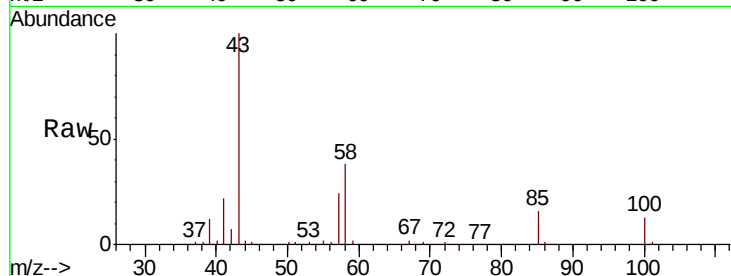
VX1029WBS02

Tot Ion: 43 Resp: 427661

Ion Ratio Lower Upper

43 100

58 37.8 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

300000

250000

200000

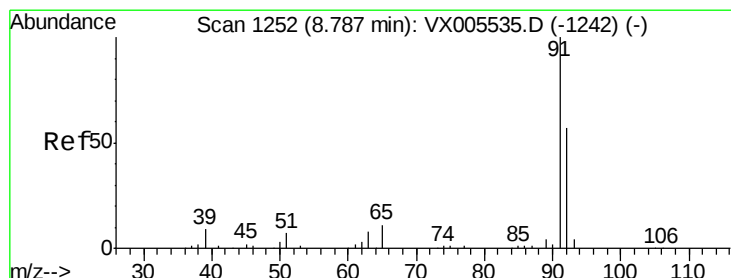
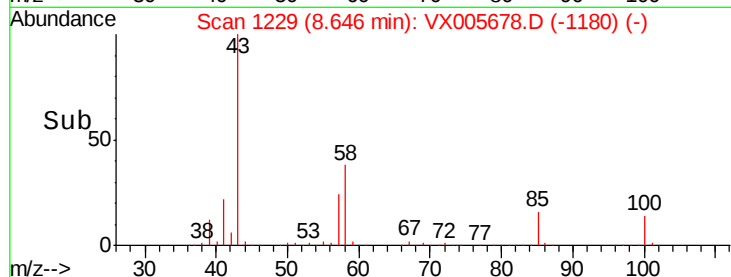
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.633 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005678.D

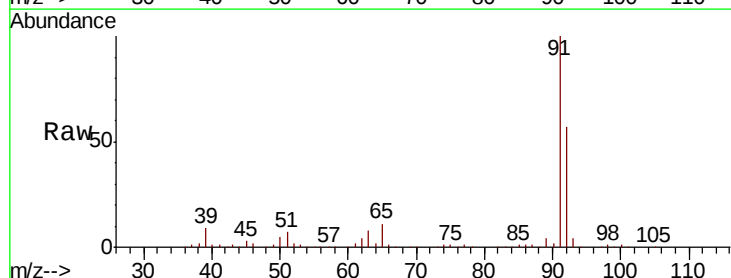
Acq: 30 Oct 2018 00:03

Tgt Ion: 92 Resp: 117678

Ion Ratio Lower Upper

92 100

91 175.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

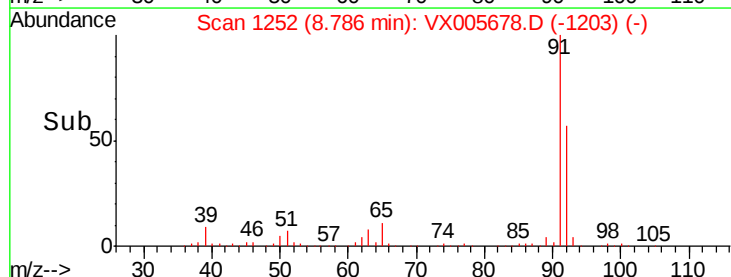
150000

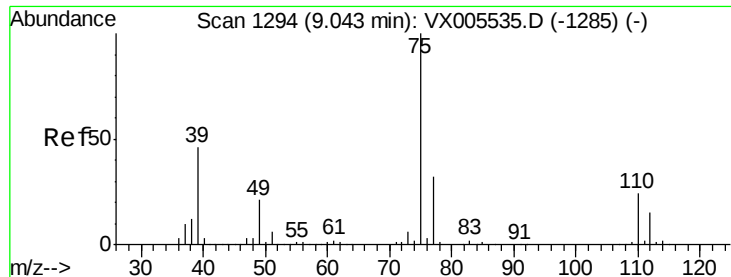
100000

50000

0

Time-->

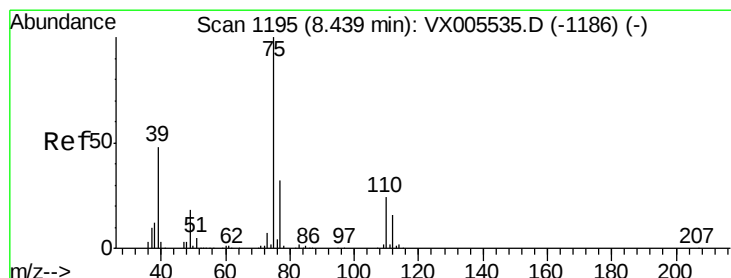
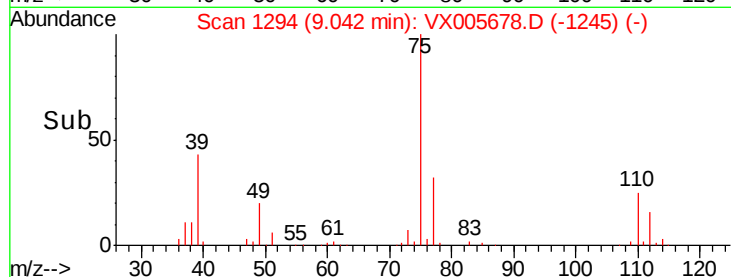
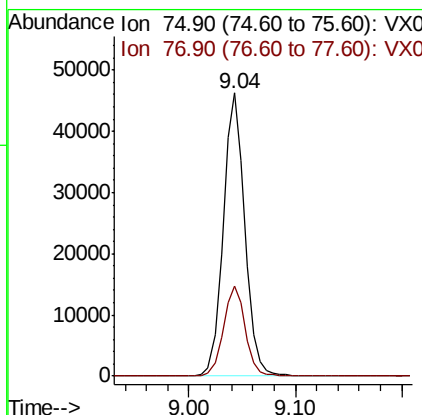
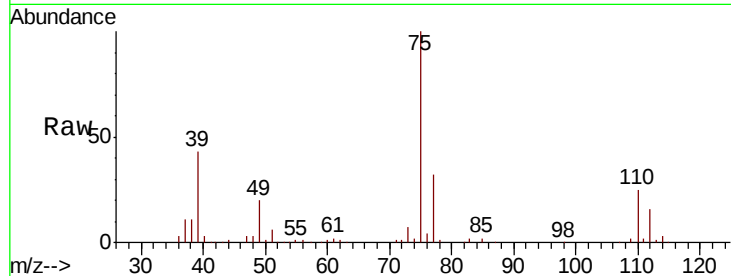




#53
t-1,3-Dichloropropene
Concen: 18.204 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

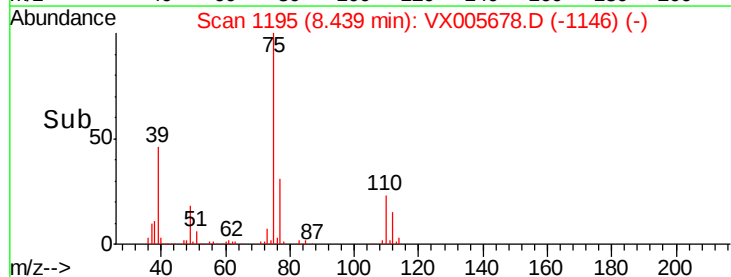
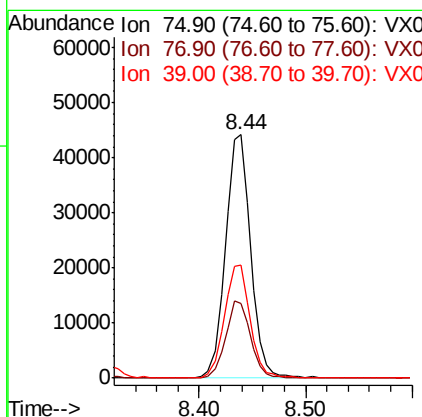
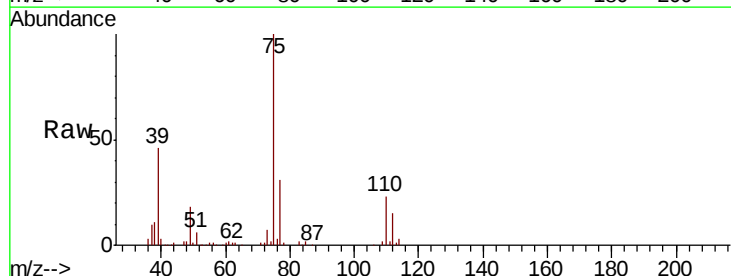
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

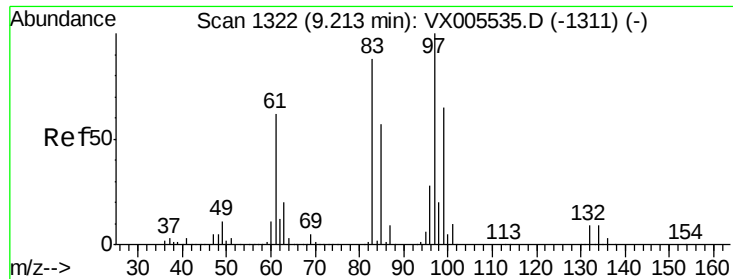
Tot Ion: 75 Resp: 65395
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.873 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 75 Resp: 72994
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8
39 46.3 38.2 57.2

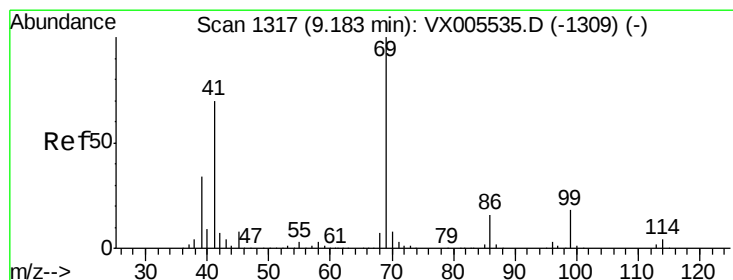
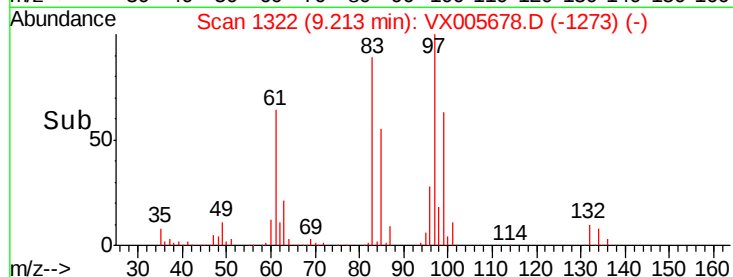
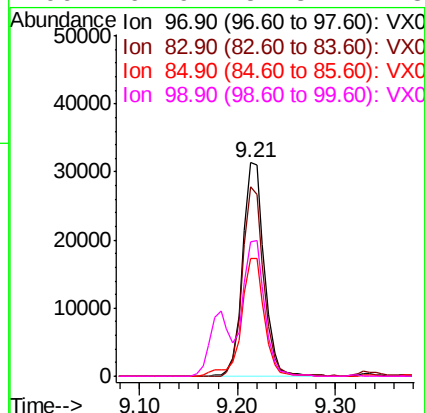
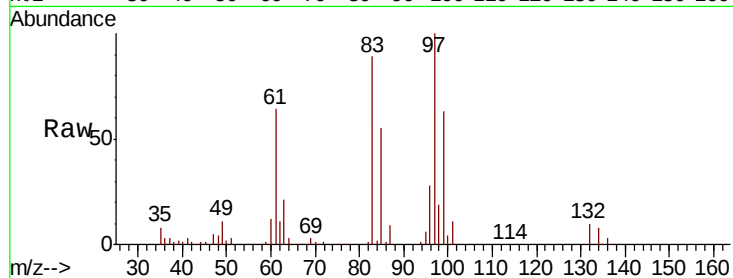




#55
 1,1,2-Trichloroethane
 Concen: 19.064 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

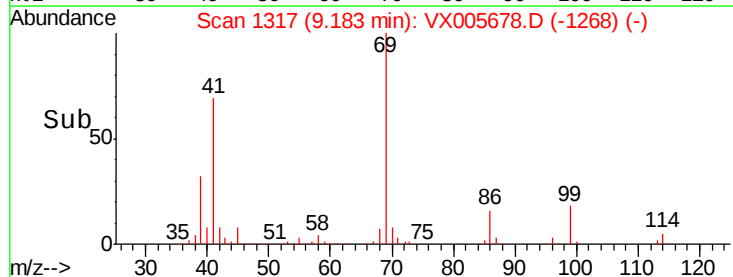
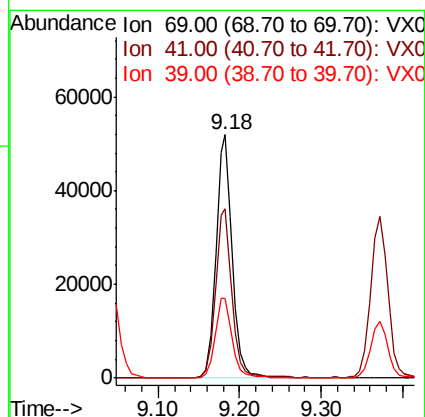
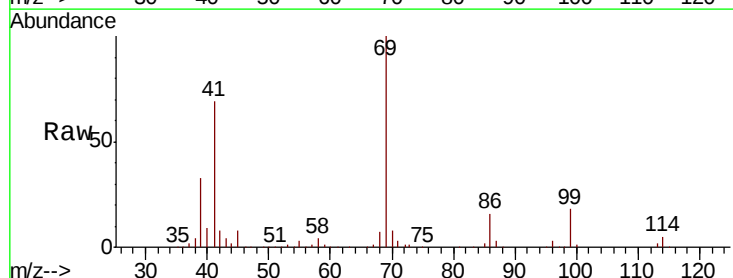
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

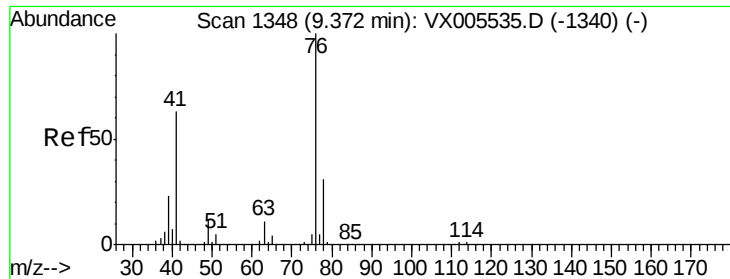
Tot Ion: 97 Resp: 48178
 Ion Ratio Lower Upper
 97 100
 83 88.6 70.7 106.1
 85 55.0 45.8 68.6
 99 62.9 51.8 77.8



#56
 Ethyl methacrylate
 Concen: 19.479 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion: 69 Resp: 73426
 Ion Ratio Lower Upper
 69 100
 41 70.0 57.0 85.6
 39 33.9 28.3 42.5





#57

1,3-Dichloropropane

Concen: 19.074 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

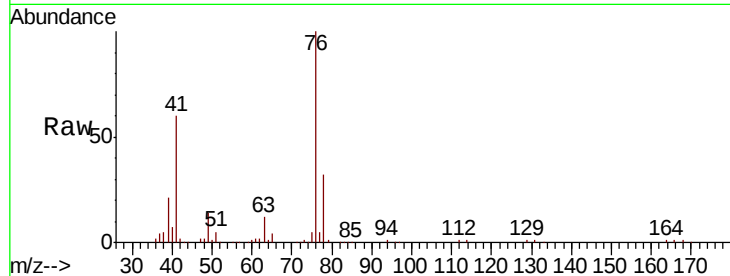
VX1029WBS02

Tot Ion: 76 Resp: 81559

Ion Ratio Lower Upper

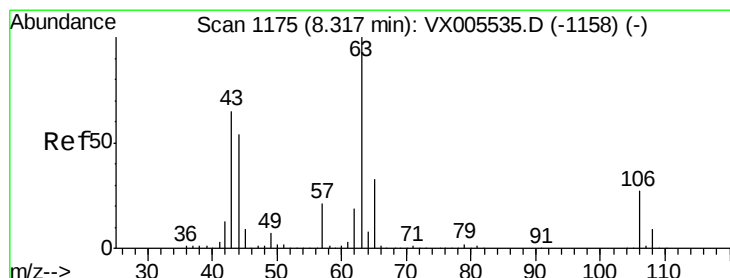
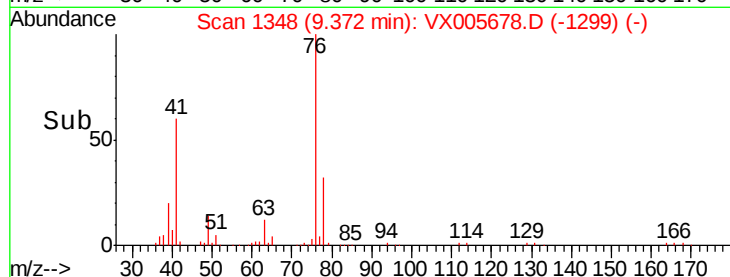
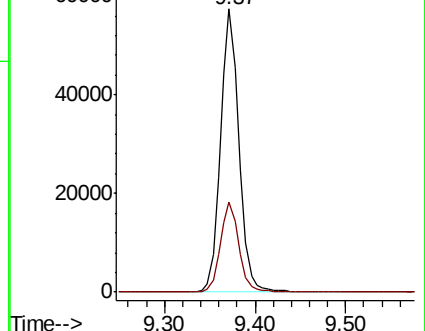
76 100

78 31.7 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: 95.780 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005678.D

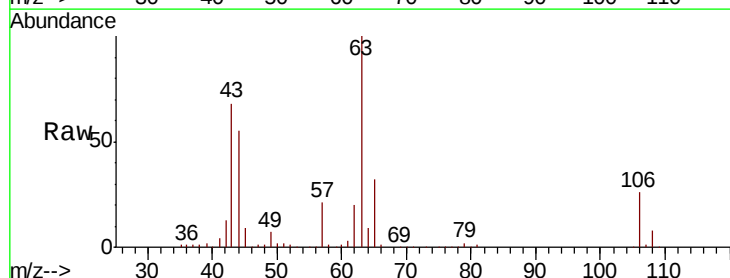
Acq: 30 Oct 2018 00:03

Tgt Ion: 63 Resp: 201641

Ion Ratio Lower Upper

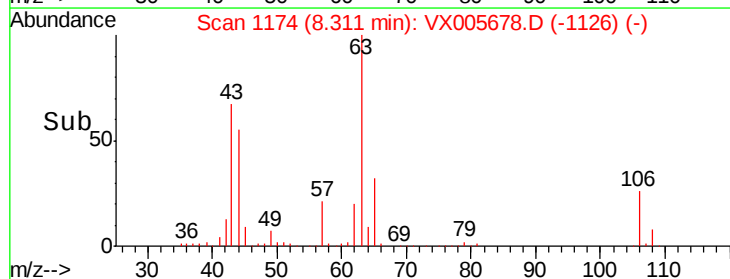
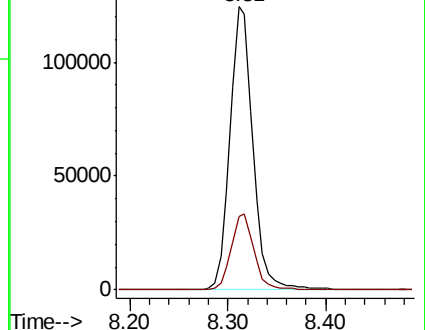
63 100

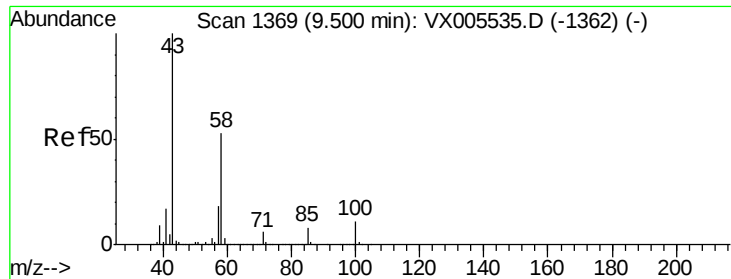
106 27.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

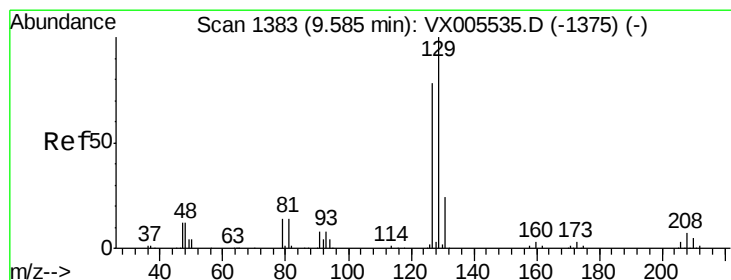
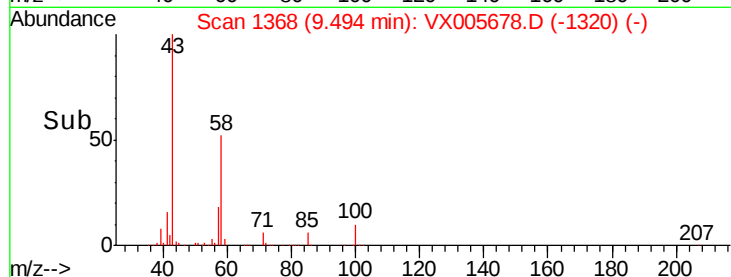
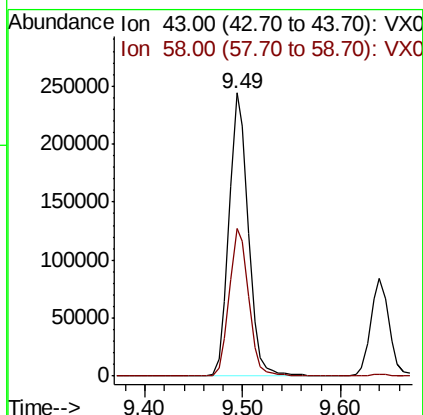
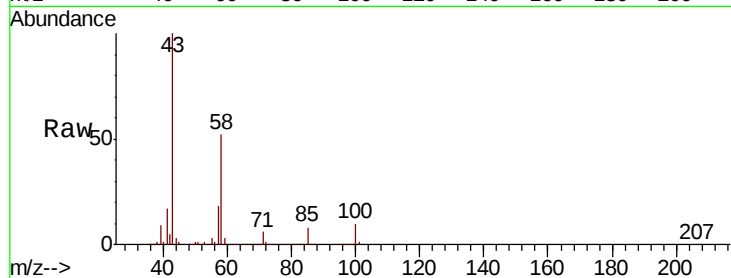




#59
2-Hexanone
Concen: 95.892 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

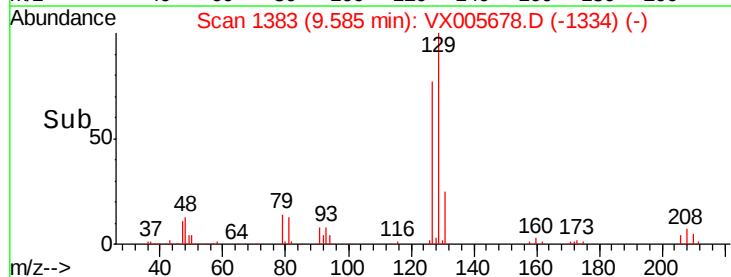
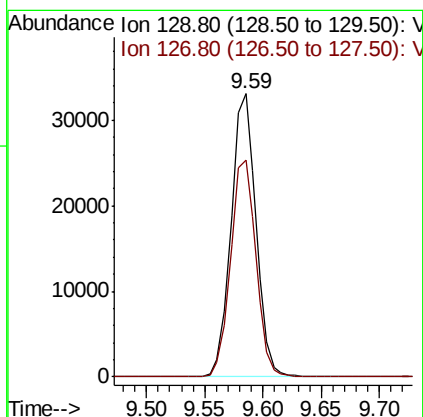
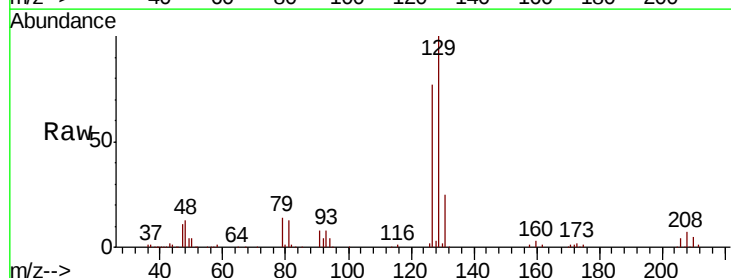
Instrument :
MSVOA_X
ClientSampled :
VX1029WBS02

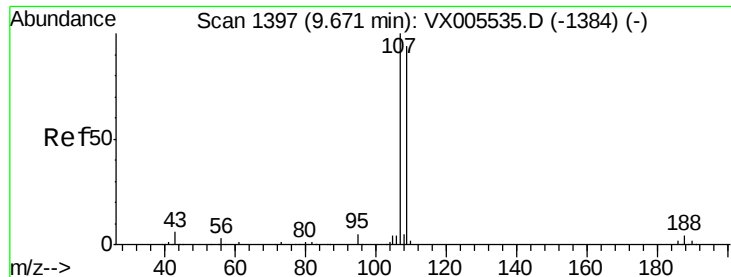
Tot Ion: 43 Resp: 334293
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8



#60
Dibromochloromethane
Concen: 18.704 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion:129 Resp: 49316
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.523 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

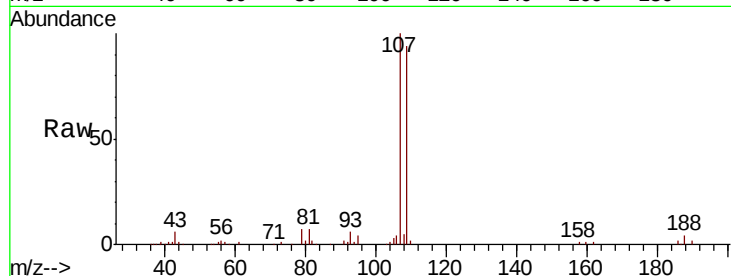
VX1029WBS02

Tot Ion:107 Resp: 51040

Ion Ratio Lower Upper

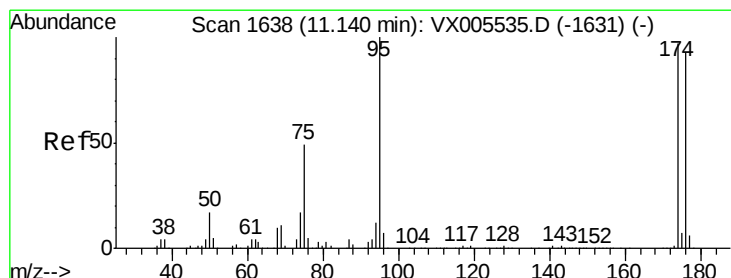
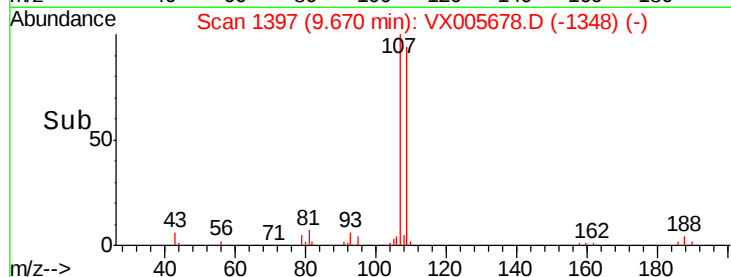
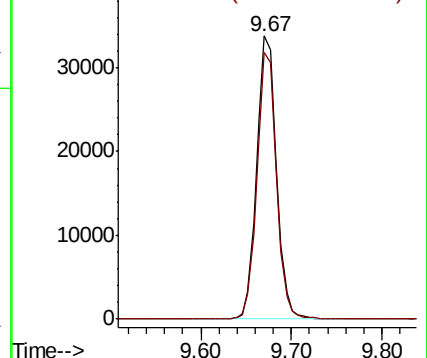
107 100

109 93.1 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: 46.253 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

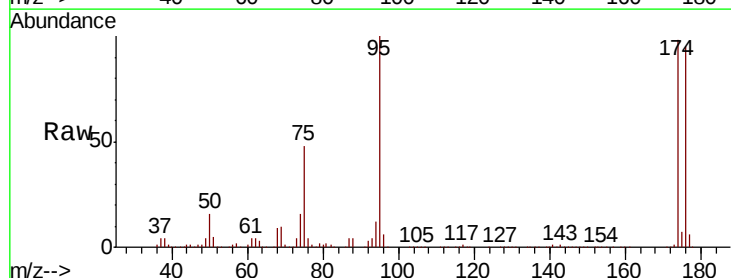
Tgt Ion: 95 Resp: 150666

Ion Ratio Lower Upper

95 100

174 92.6 0.0 184.4

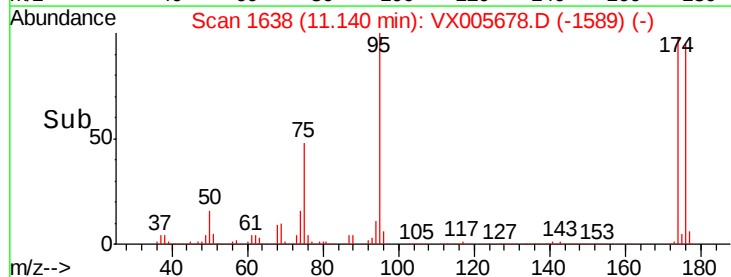
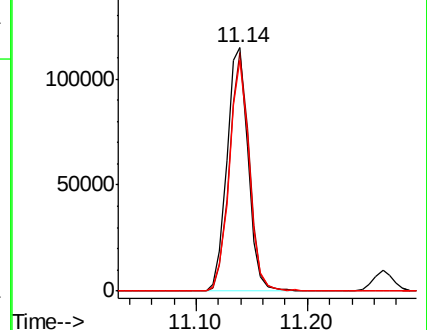
176 89.9 0.0 177.4

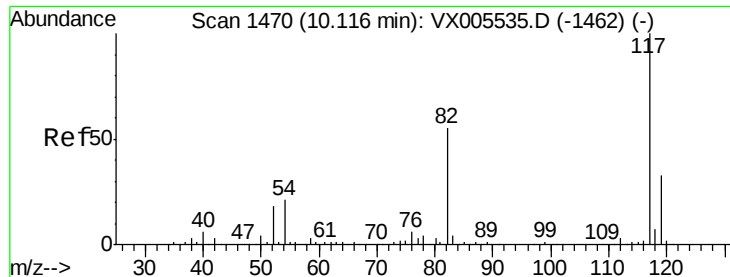


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

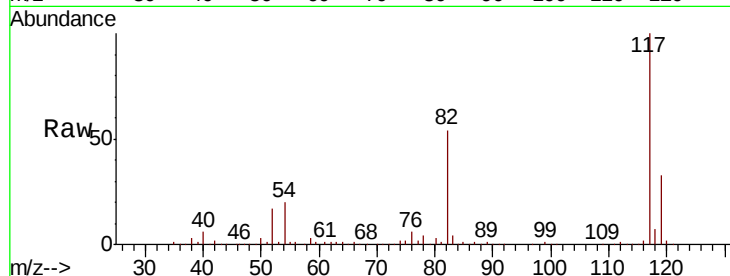




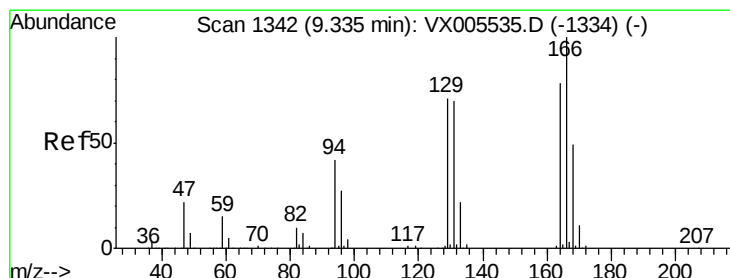
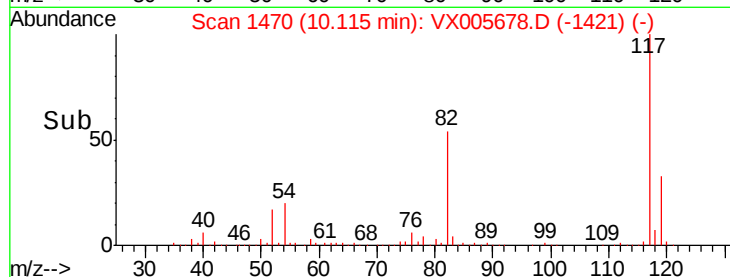
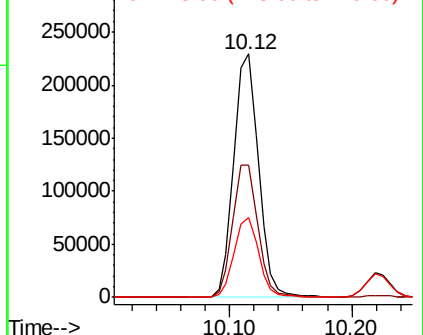
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion:117 Resp: 322245
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 32.7 26.2 39.2

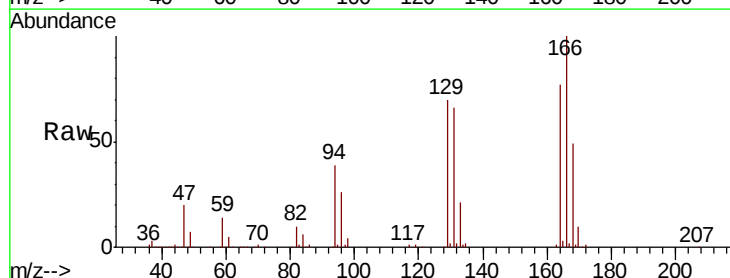


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

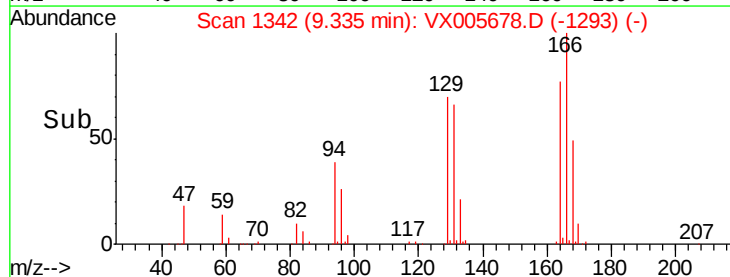
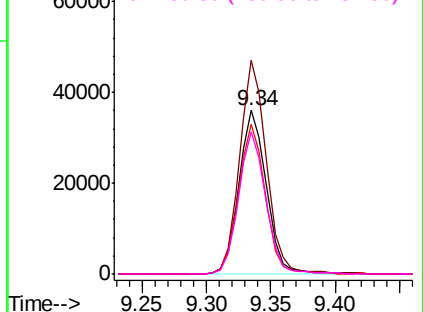


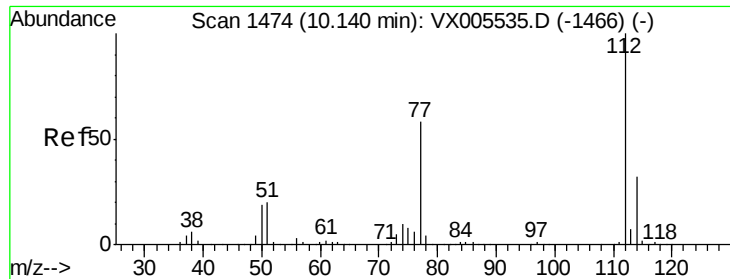
#64
Tetrachloroethene
Concen: 19.806 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion:164 Resp: 52982
Ion Ratio Lower Upper
164 100
166 130.6 101.9 152.9
129 91.6 72.6 109.0
131 86.6 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

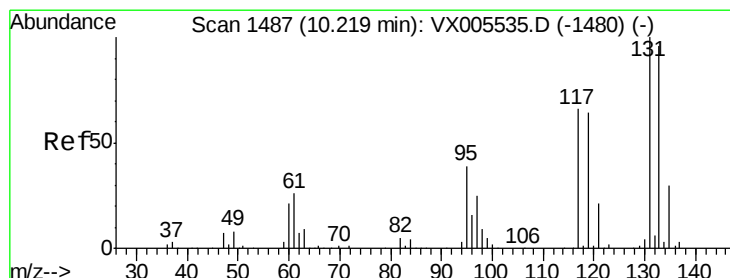
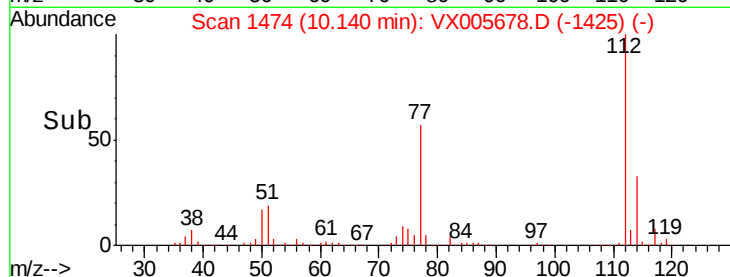
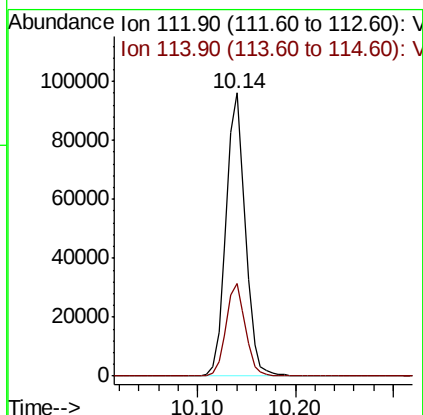
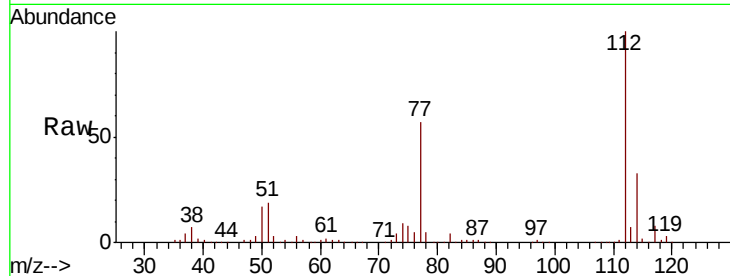




#65
Chlorobenzene
Concen: 19.239 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

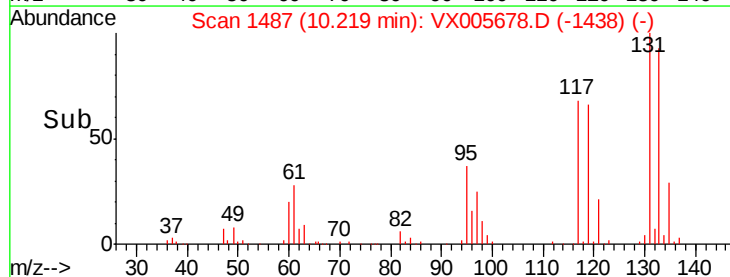
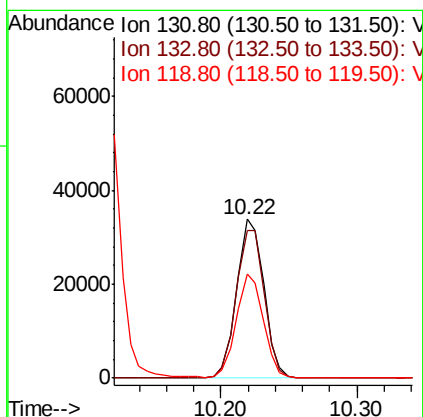
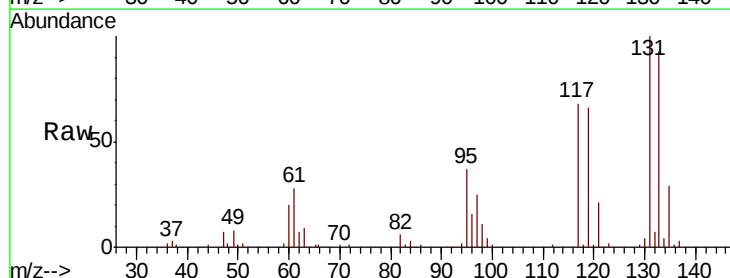
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

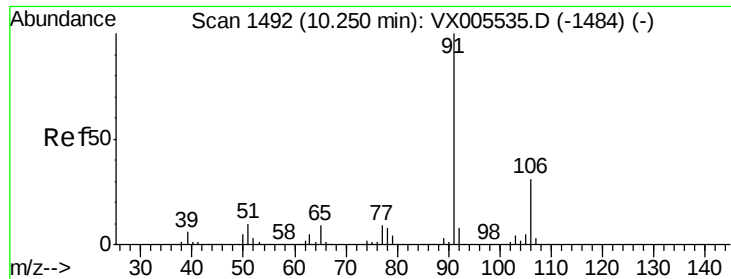
Tot Ion:112 Resp: 132015
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.923 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion:131 Resp: 47348
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.5
119 64.9 31.8 95.3

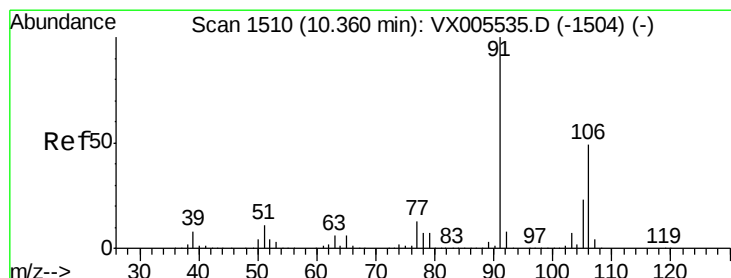
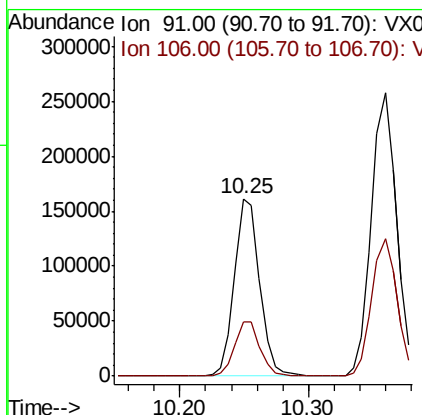
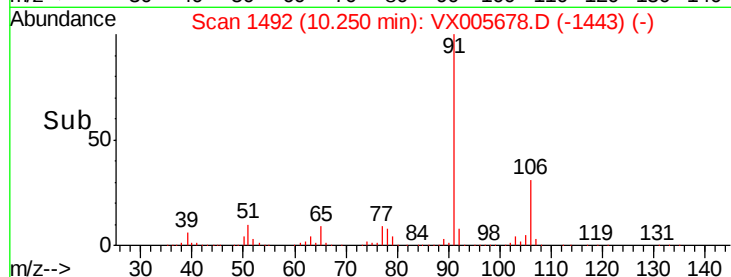
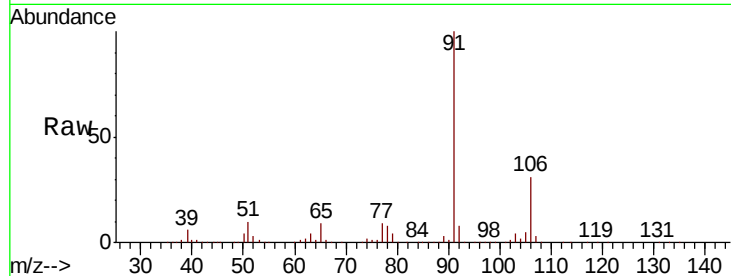




#67
Ethyl Benzene
Concen: 19.625 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

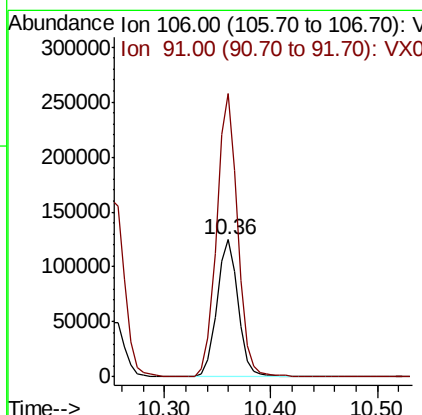
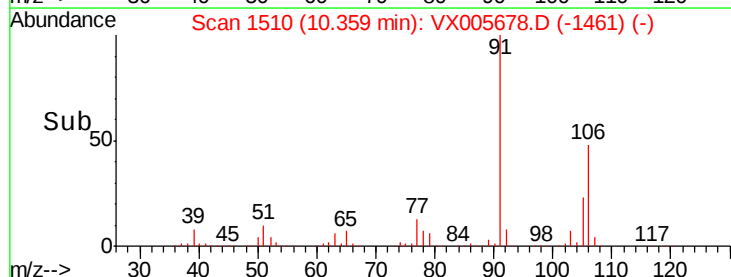
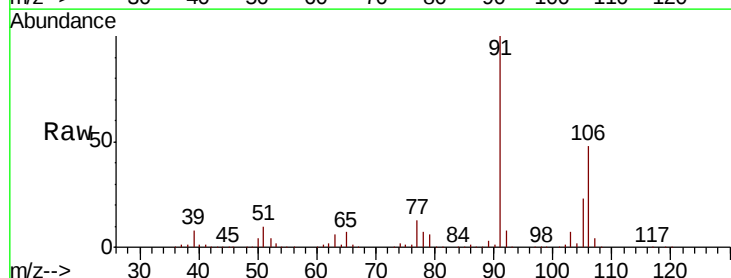
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

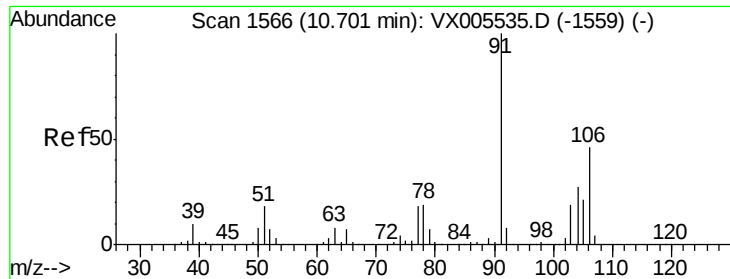
Tot Ion: 91 Resp: 221570
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 39.276 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 106 Resp: 172035
Ion Ratio Lower Upper
106 100
91 204.8 164.2 246.4

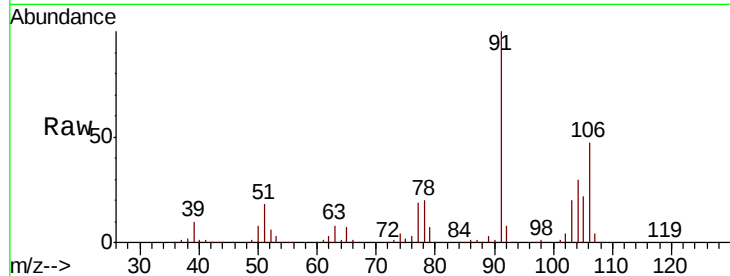




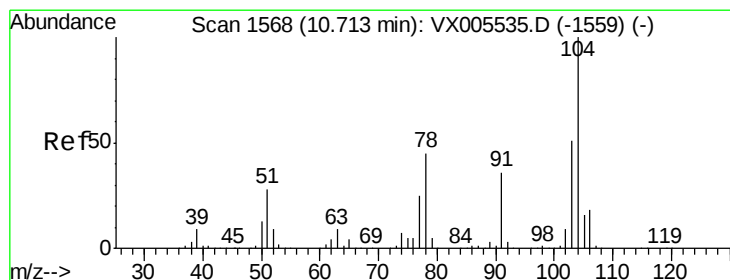
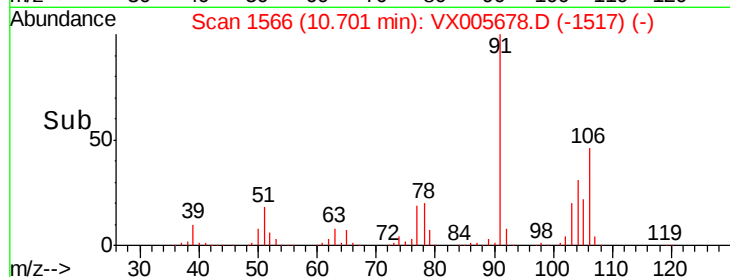
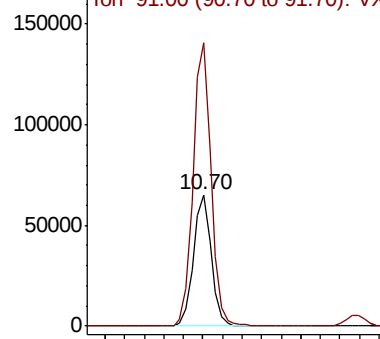
#69
o-Xylene
Concen: 19.978 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

Tot Ion:106 Resp: 82328
Ion Ratio Lower Upper
106 100
91 216.5 108.5 325.5

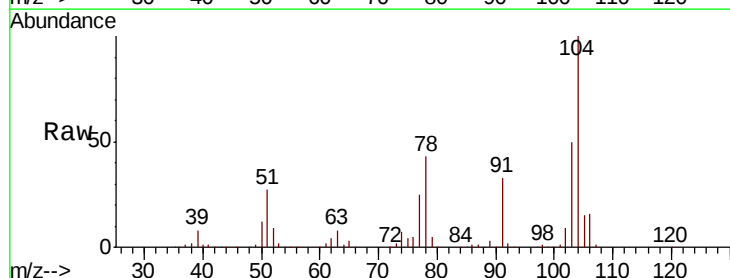


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

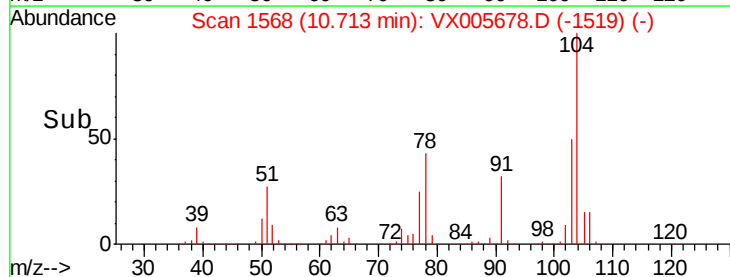
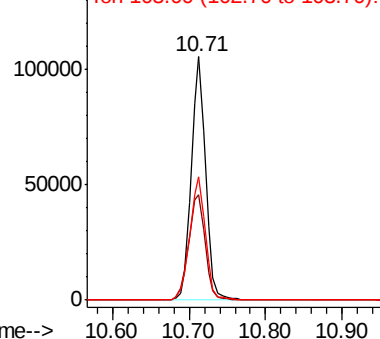


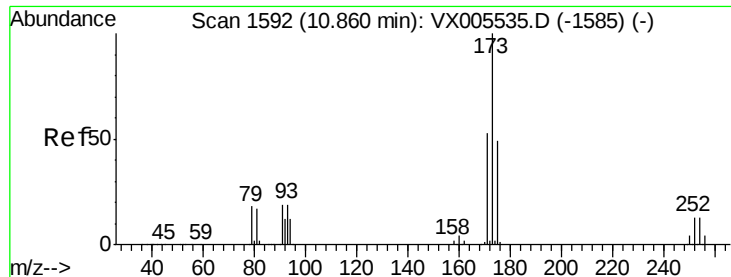
#70
Styrene
Concen: 19.906 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion:104 Resp: 137325
Ion Ratio Lower Upper
104 100
78 50.3 40.2 60.4
103 55.1 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: 18.166 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

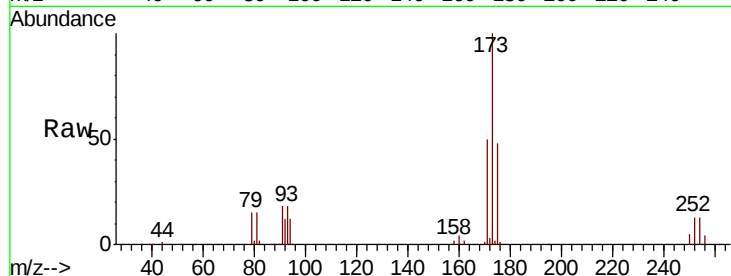
Tot Ion:173 Resp: 40559

Ion Ratio Lower Upper

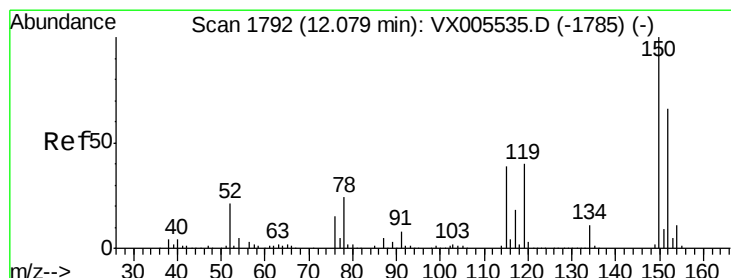
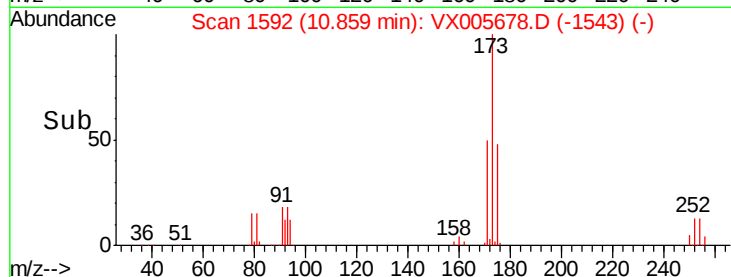
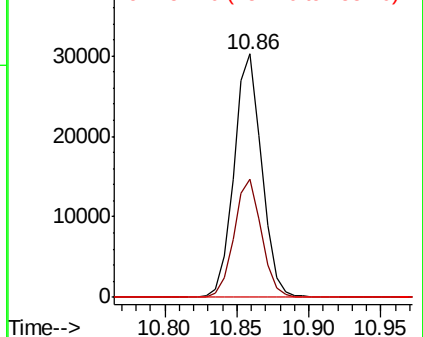
173 100

175 47.9 24.8 74.3

254 0.1 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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

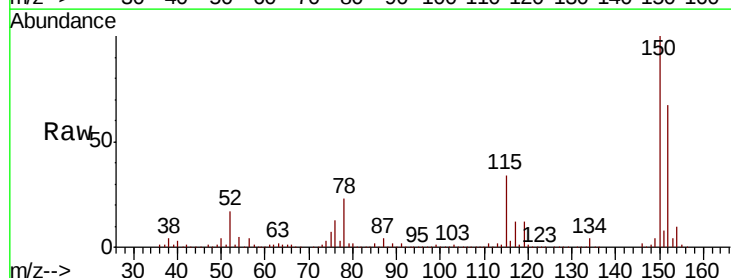
Tgt Ion:152 Resp: 217301

Ion Ratio Lower Upper

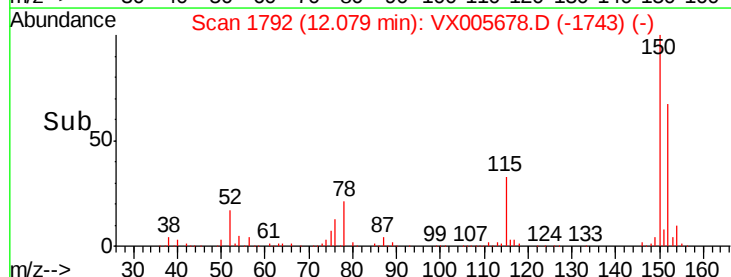
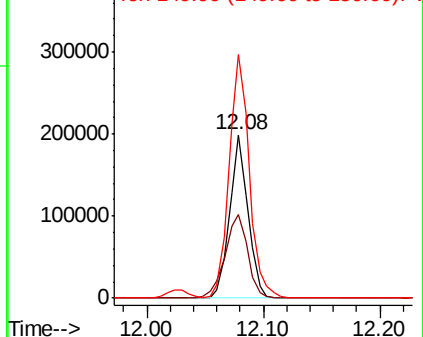
152 100

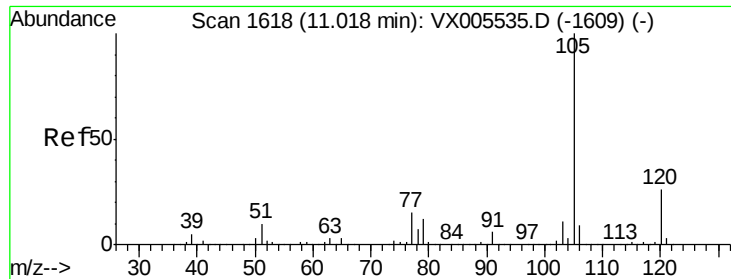
115 62.8 39.4 118.1

150 163.9 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: 17.521 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

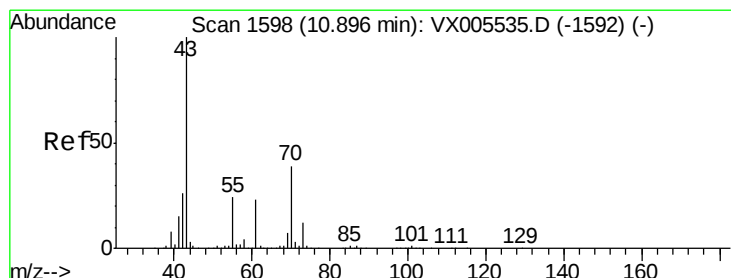
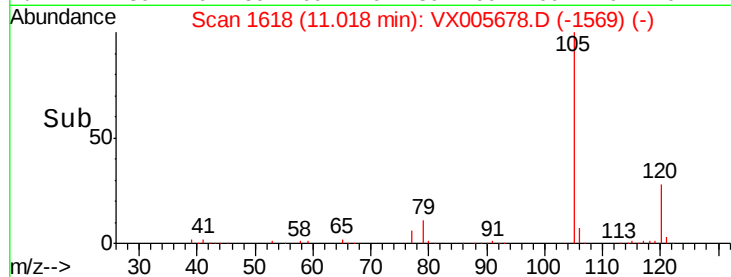
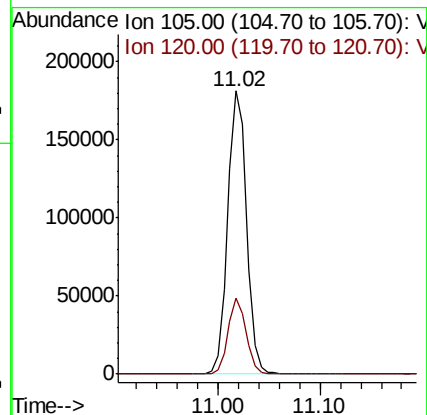
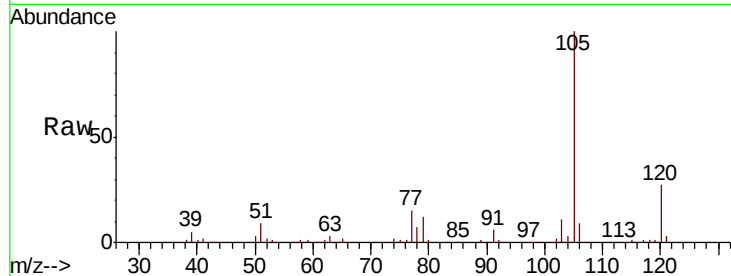
VX1029WBS02

Tot Ion:105 Resp: 232735

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.3



#74

N-ethyl acetate

Concen: 16.026 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Tgt Ion: 43 Resp: 105479

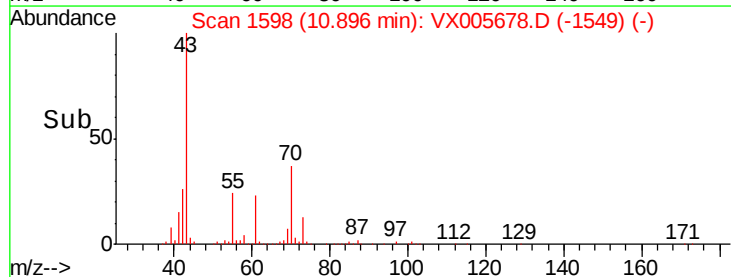
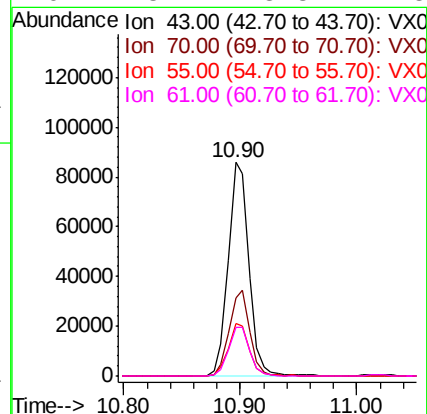
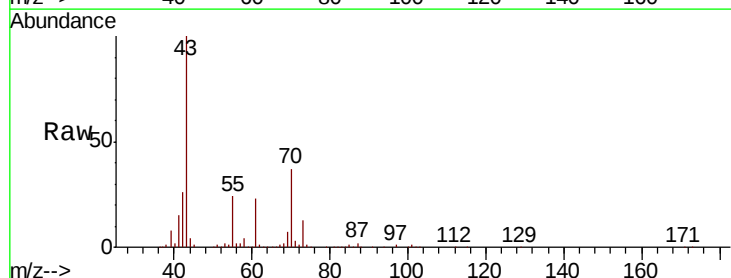
Ion Ratio Lower Upper

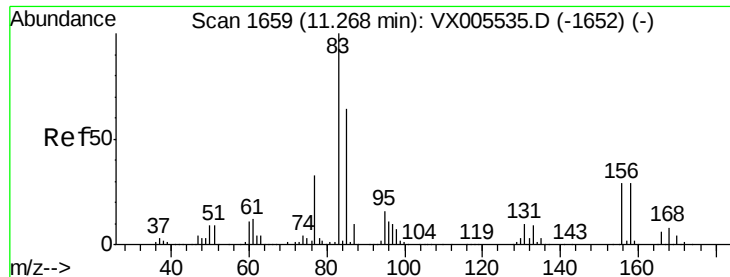
43 100

70 39.9 31.6 47.4

55 24.9 19.7 29.5

61 23.4 18.3 27.5

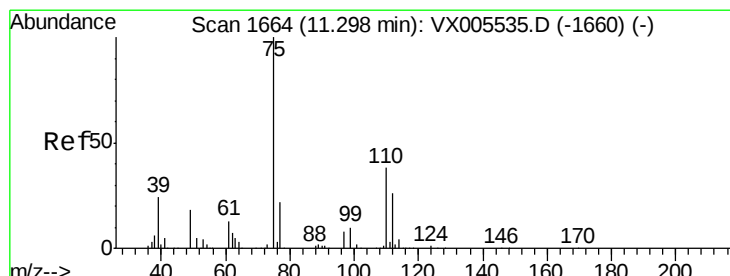
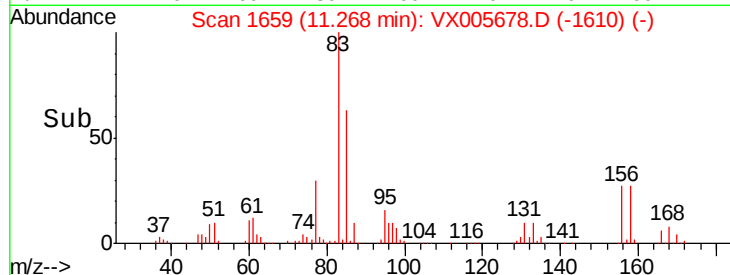
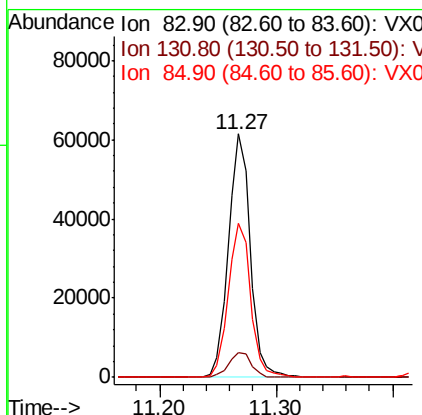
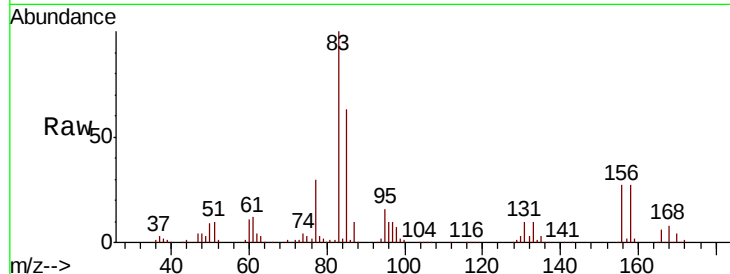




#75
 1,1,2,2-Tetrachloroethane
 Concen: 16.416 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

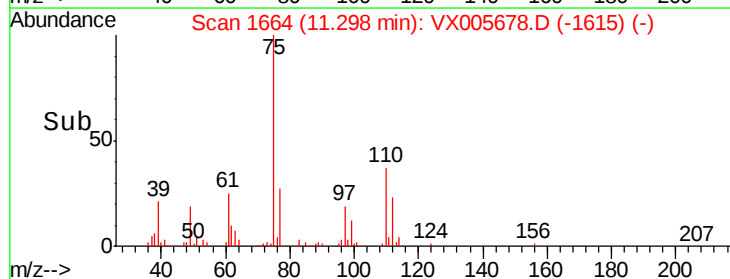
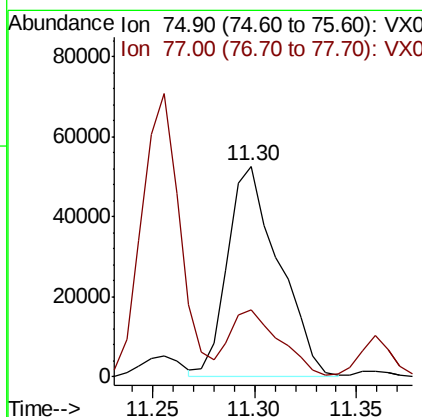
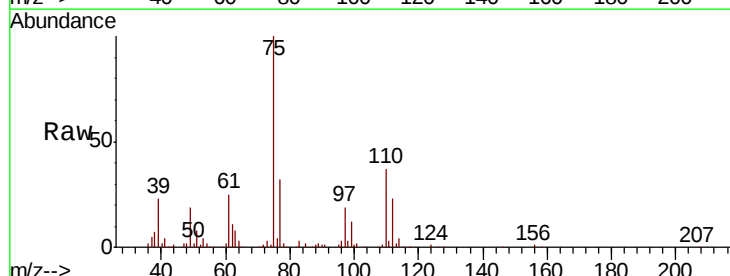
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

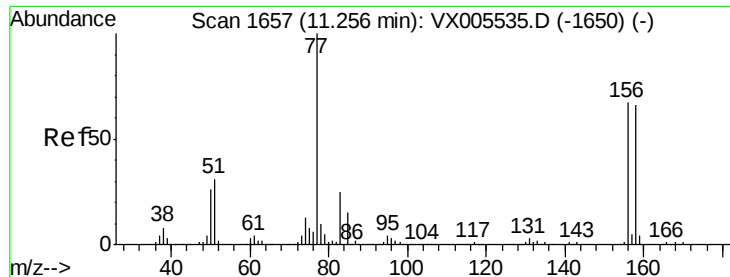
Tot Ion	83	Resp	80450
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	65.0	32.0	96.2



#76
 1,2,3-Trichloropropane
 Concen: 20.002 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	75	Resp	92092
Ion Ratio	Lower	Upper	
75	100		
77	31.1	20.5	61.6





#77

Bromobenzene

Concen: 17.398 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

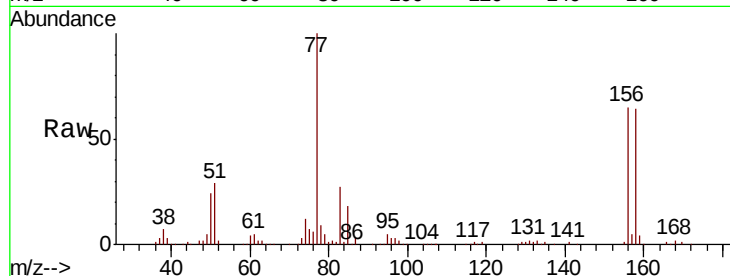
Tot Ion:156 Resp: 64407

Ion Ratio Lower Upper

156 100

77 142.8 74.8 224.4

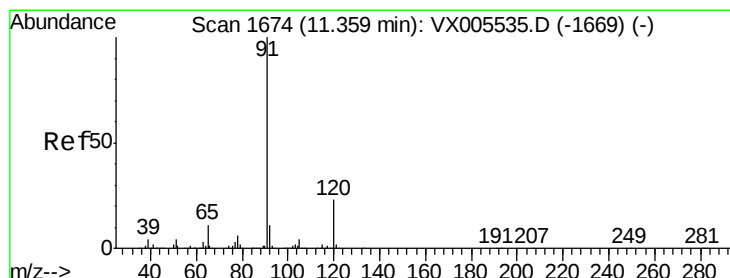
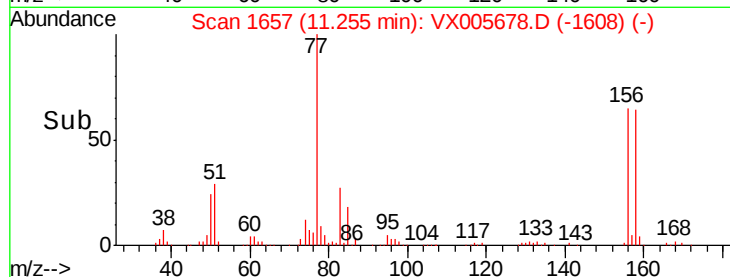
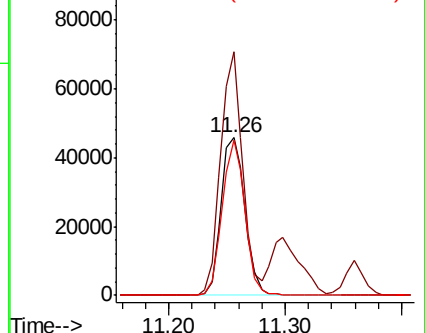
158 93.4 49.1 147.3



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: 17.277 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005678.D

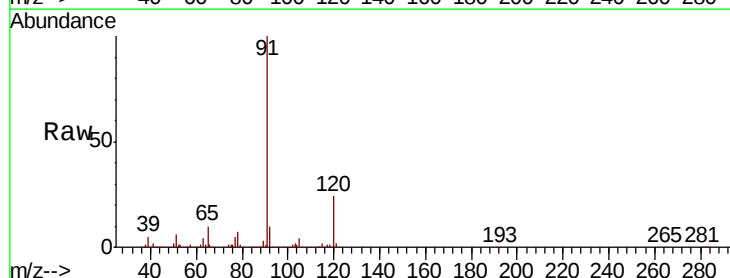
Acq: 30 Oct 2018 00:03

Tgt Ion: 91 Resp: 262425

Ion Ratio Lower Upper

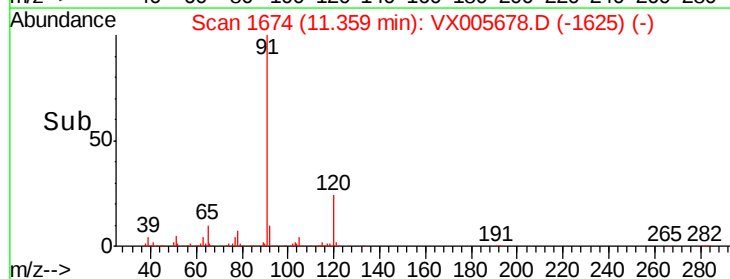
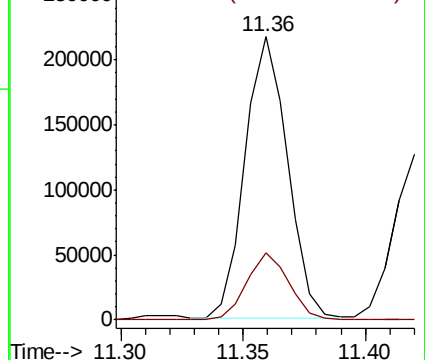
91 100

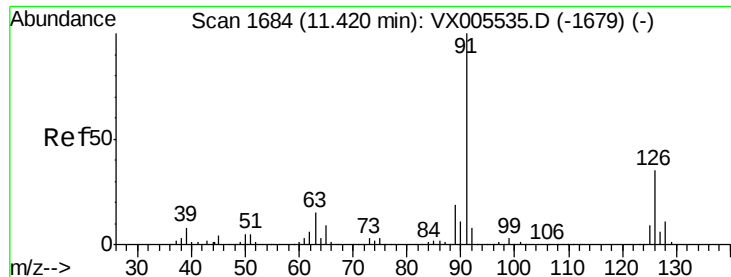
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

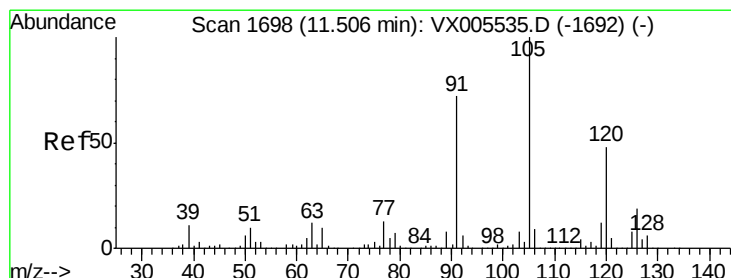
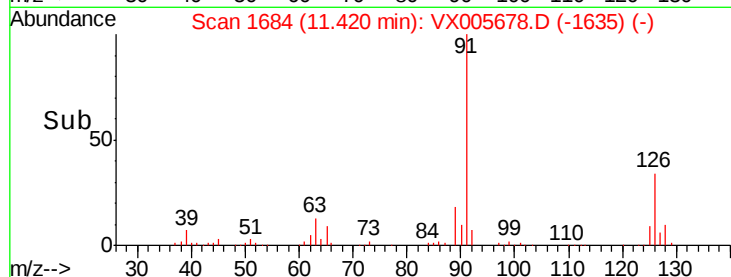
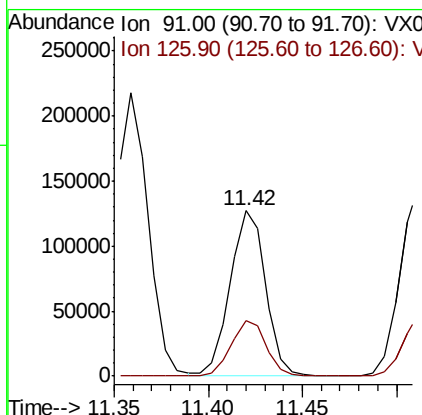
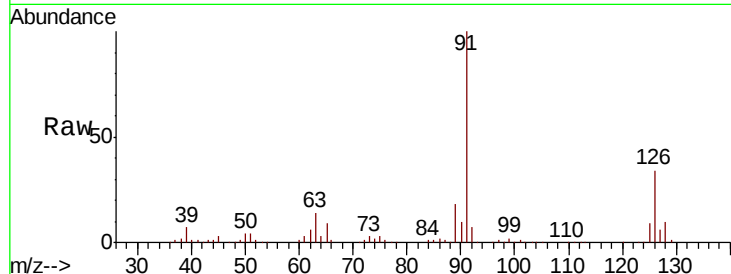




#79
 2-Chlorotoluene
 Concen: 17.404 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

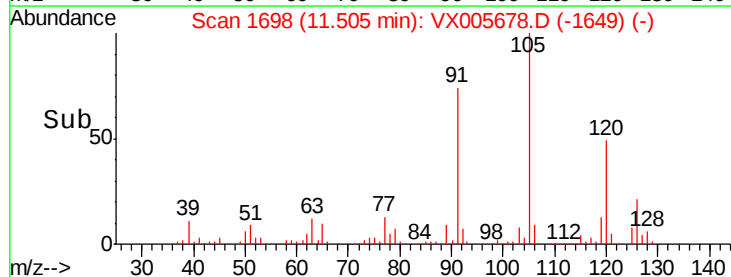
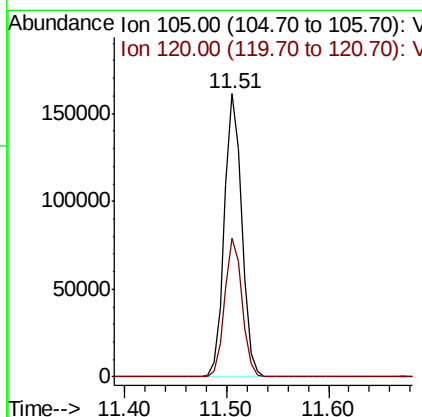
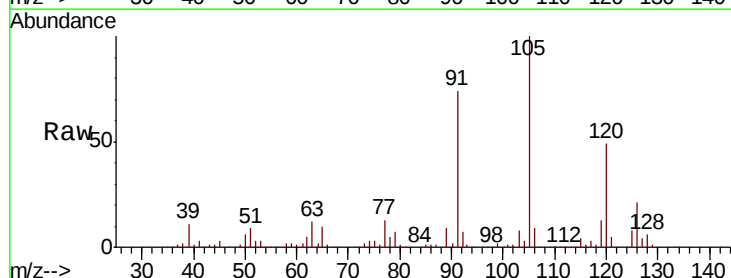
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

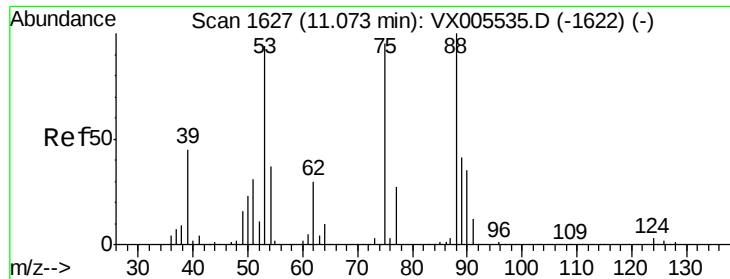
Tot Ion: 91 Resp: 163902
 Ion Ratio Lower Upper
 91 100
 126 33.9 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 16.892 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion: 105 Resp: 191946
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

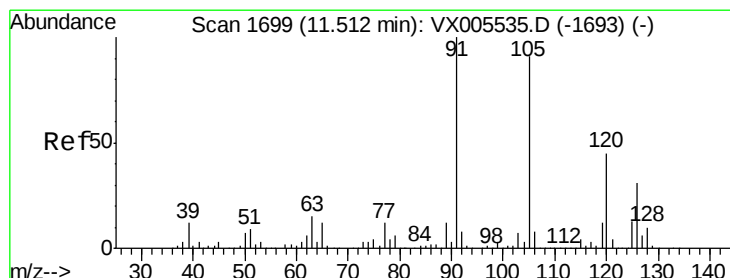
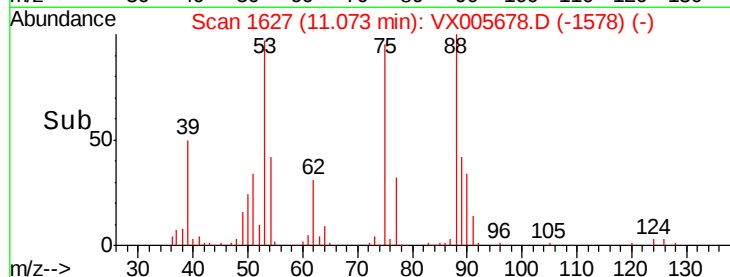
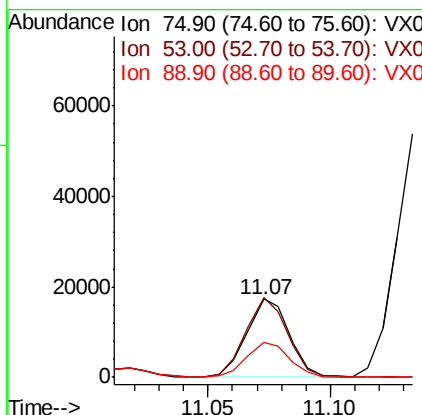
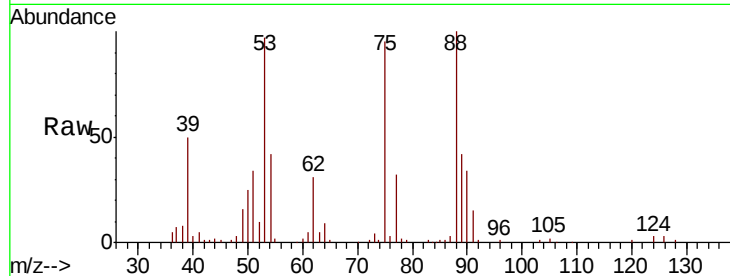




#81
trans-1,4-Dichloro-2-butene
Concen: 14.860 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

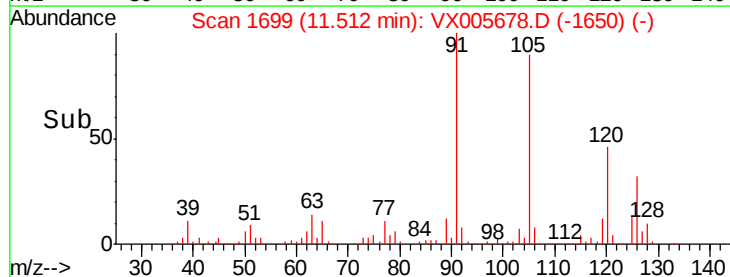
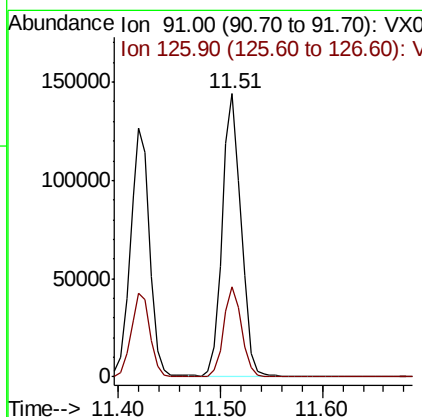
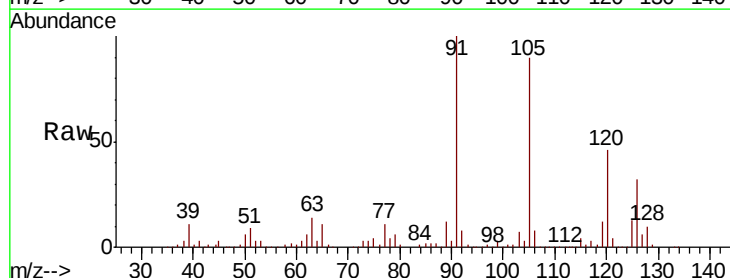
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS02

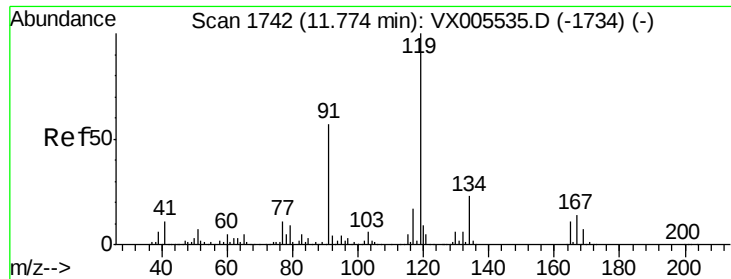
Tot Ion: 75 Resp: 20939
Ion Ratio Lower Upper
75 100
53 100.3 80.2 120.2
89 45.5 39.8 59.8



#82
4-Chlorotoluene
Concen: 16.750 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 91 Resp: 186001
Ion Ratio Lower Upper
91 100
126 30.5 15.2 45.6

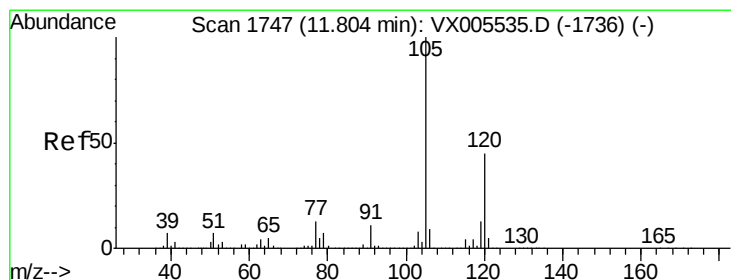
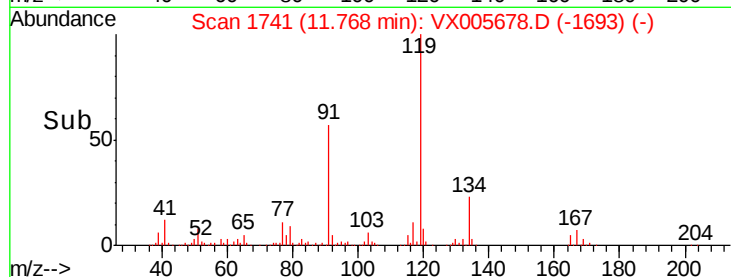
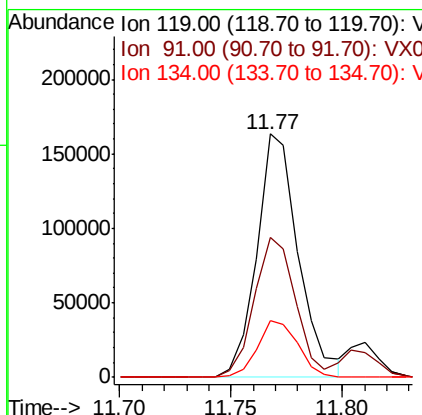
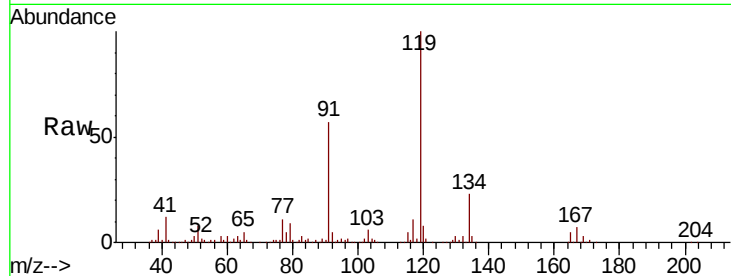




#83
 tert-Butylbenzene
 Concen: 18.784 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

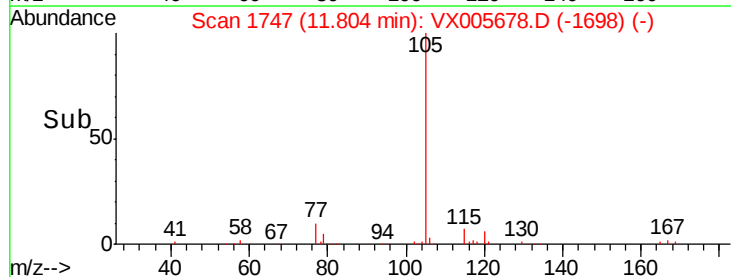
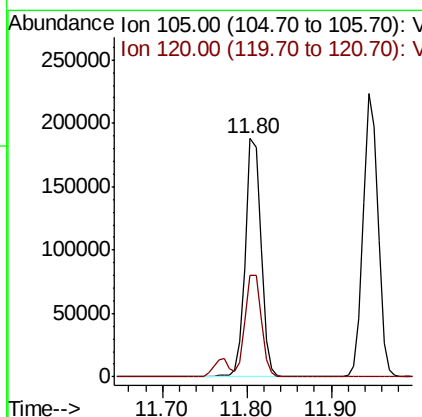
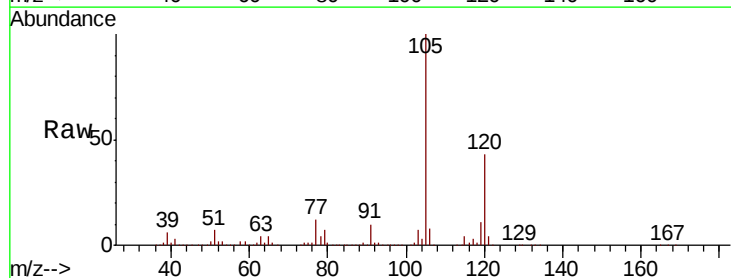
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

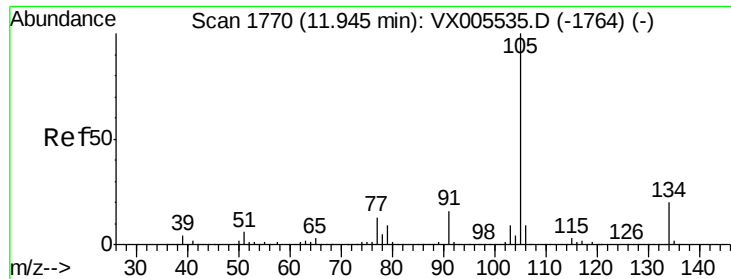
Tot Ion:119 Resp: 212762
 Ion Ratio Lower Upper
 119 100
 91 56.7 28.5 85.5
 134 22.8 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.063 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion:105 Resp: 231060
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.451 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

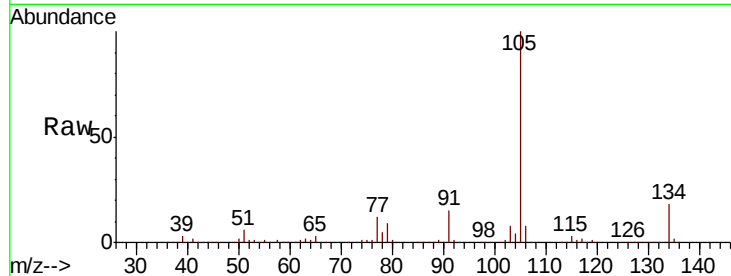
VX1029WBS02

Tot Ion:105 Resp: 276411

Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

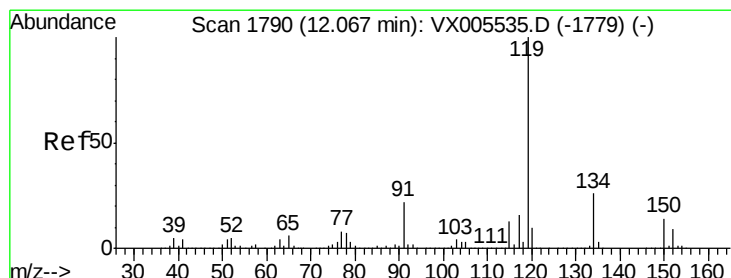
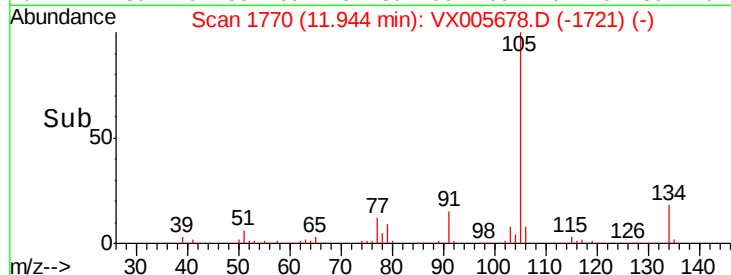
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 20.438 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

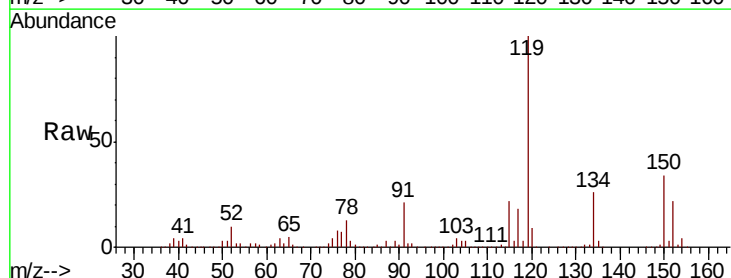
Tgt Ion:119 Resp: 246936

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 22.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

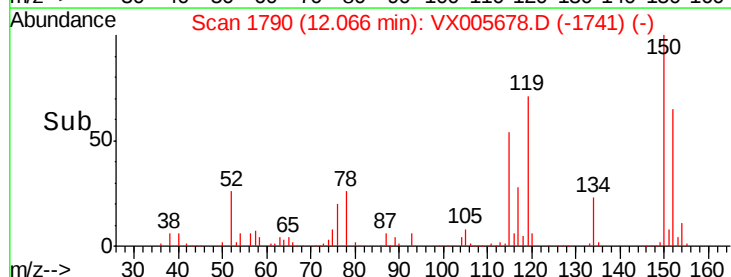
100000

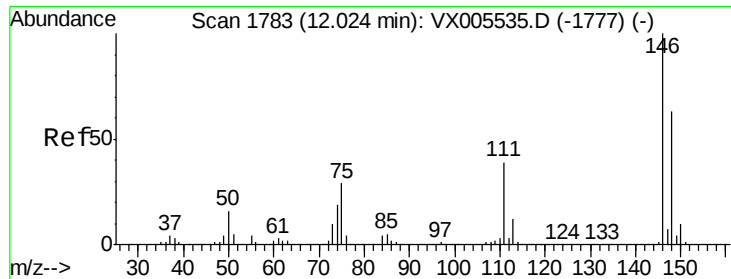
50000

0

12.00 12.10

Time-->

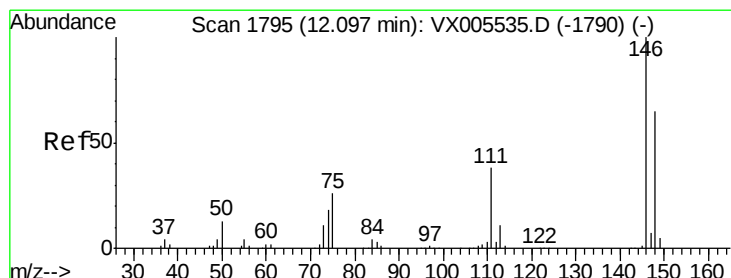
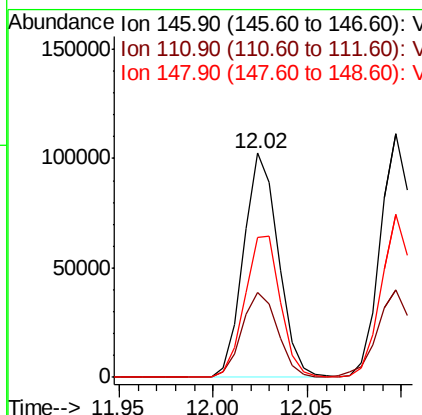
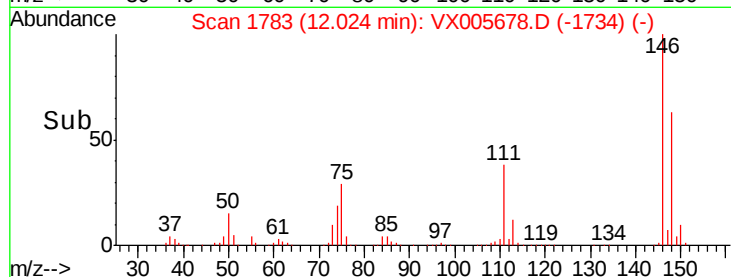
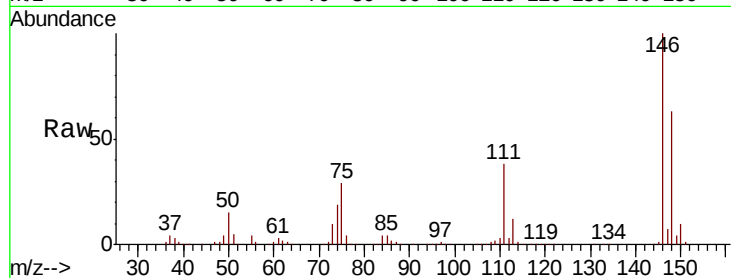




#87
 1,3-Dichlorobenzene
 Concen: 18.945 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

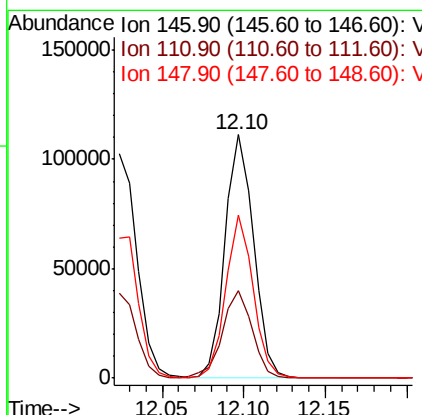
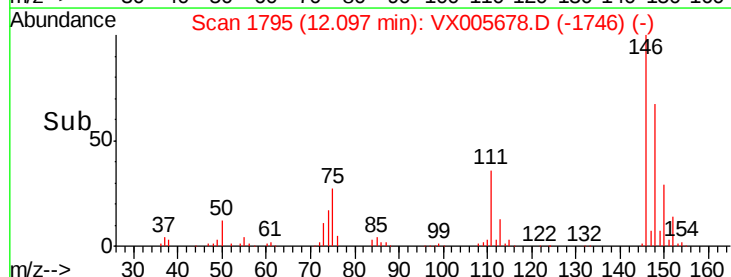
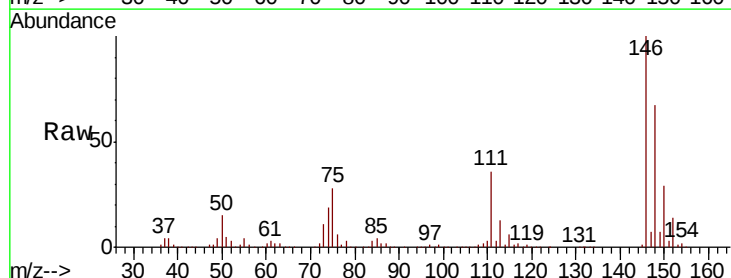
Instrument :
 MSVOA_X
 ClientSampled :
 VX1029WBS02

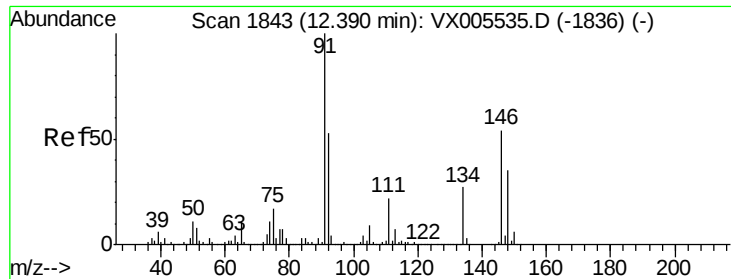
Tot Ion:146 Resp: 131884
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.0 57.0
 148 64.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 18.690 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion:146 Resp: 135807
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 64.2 32.1 96.3

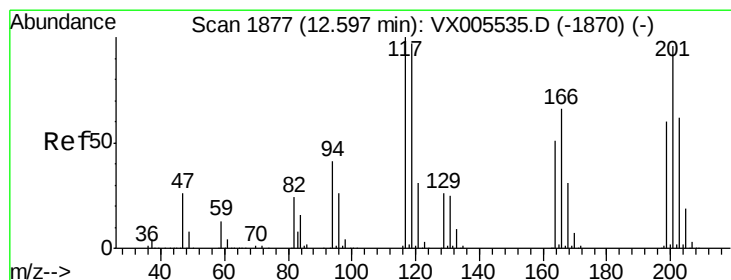
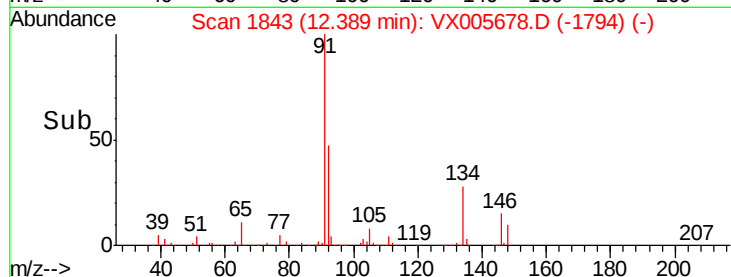
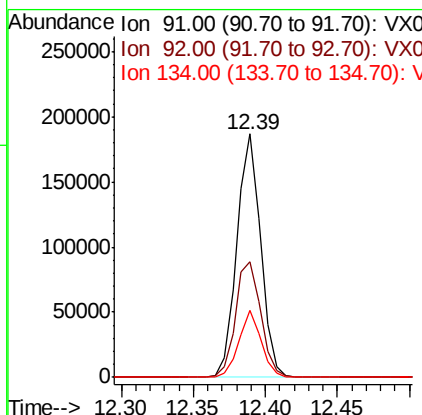
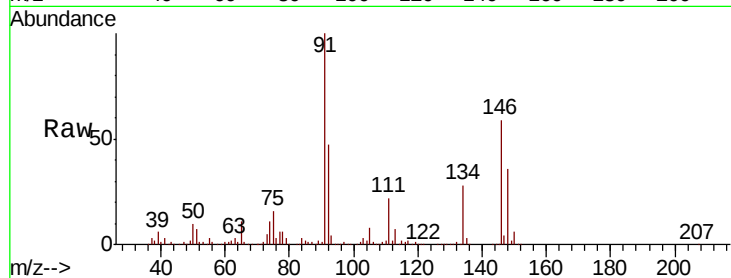




#89
n-Butylbenzene
Concen: 19.761 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

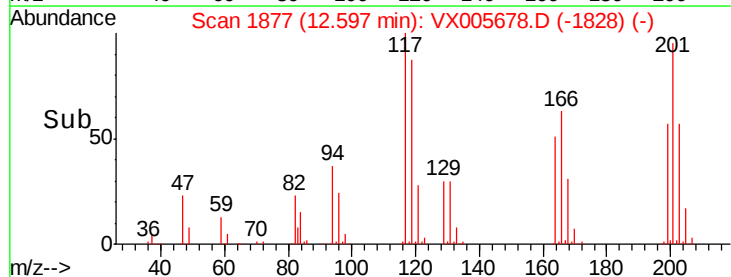
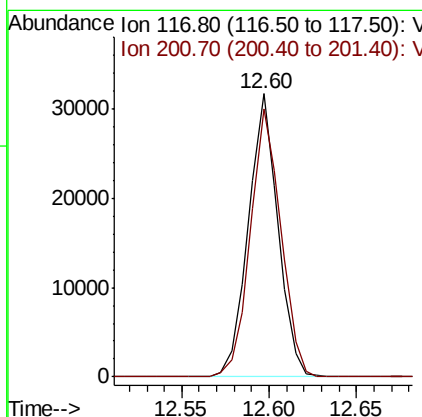
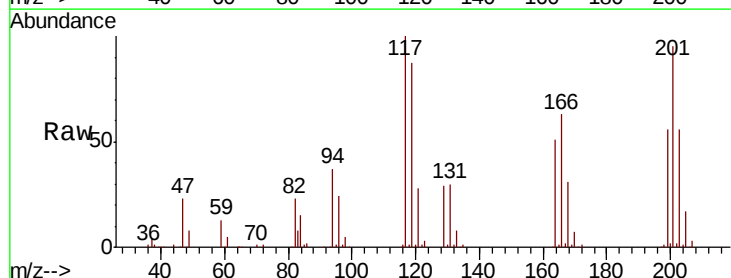
Instrument :
MSVOA_X
ClientSampled :
VX1029WBS02

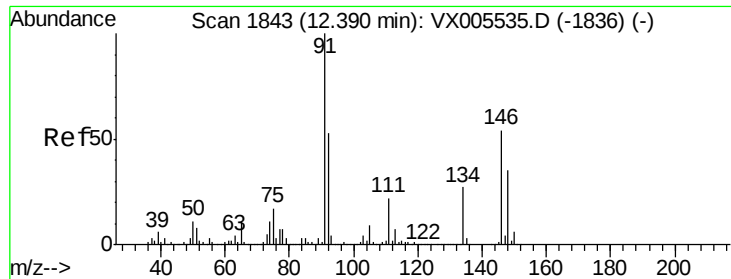
Tot Ion: 91 Resp: 21544
Ion Ratio Lower Upper
91 100
92 50.3 26.1 78.2
134 25.8 13.1 39.3



#90
Hexachloroethane
Concen: 17.848 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005678.D
Acq: 30 Oct 2018 00:03

Tgt Ion: 117 Resp: 37193
Ion Ratio Lower Upper
117 100
201 97.7 47.9 143.6

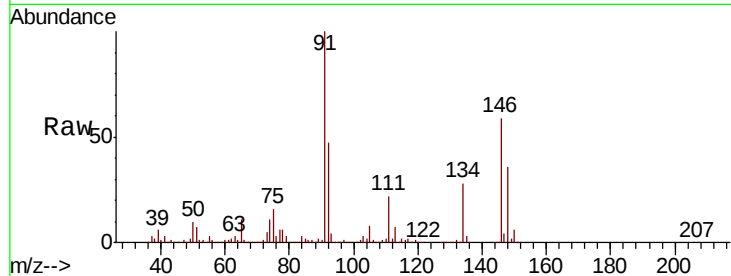




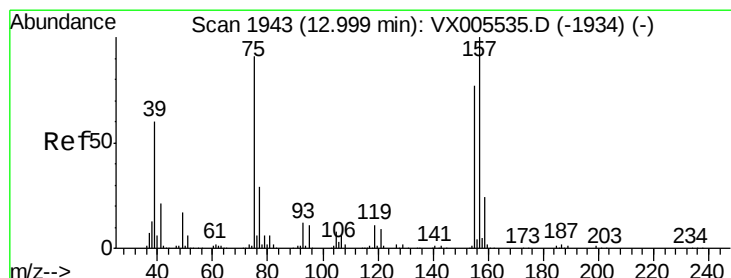
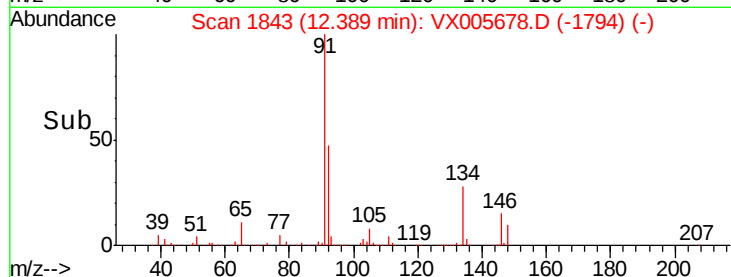
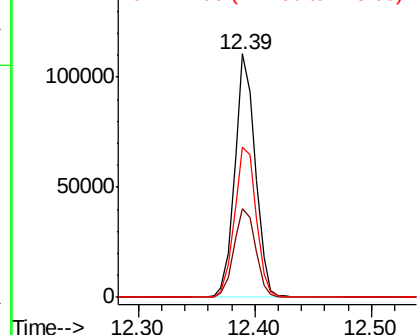
#91
 1,2-Dichlorobenzene
 Concen: 19.182 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampled :
 VX1029WBS02

Tot Ion:146 Resp: 135099
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.0 59.9
 148 65.8 32.2 96.6

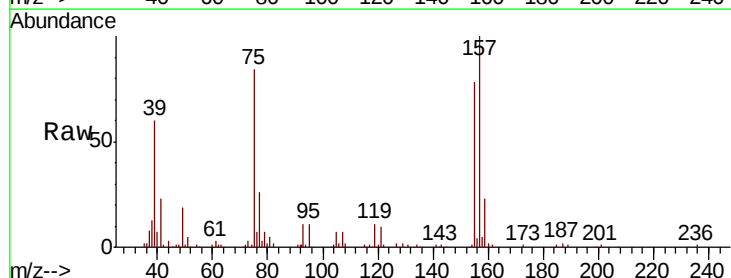


Abundance Ion 145.90 (145.60 to 146.60): V
 150000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

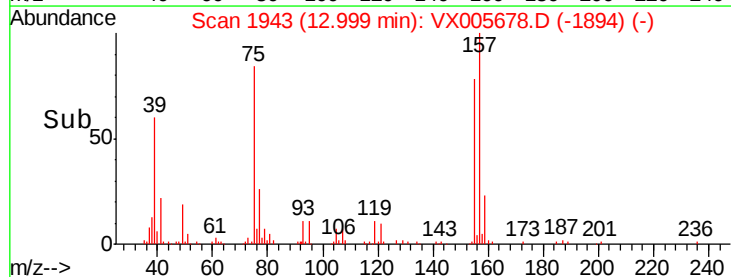
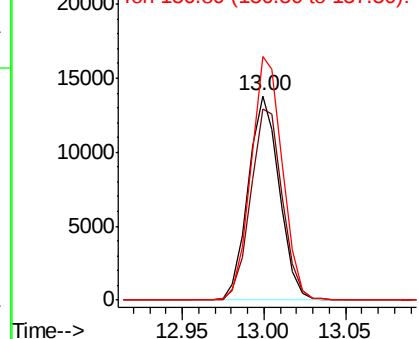


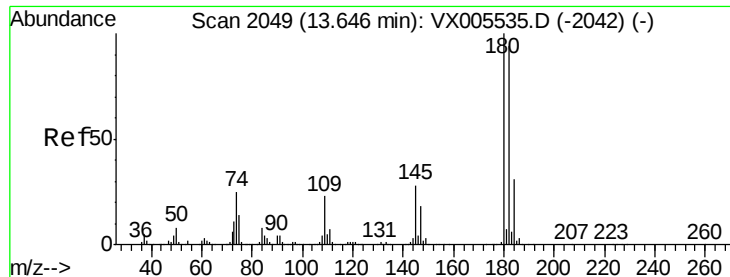
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.478 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion: 75 Resp: 18340
 Ion Ratio Lower Upper
 75 100
 155 95.2 45.4 136.1
 157 119.7 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
 20000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

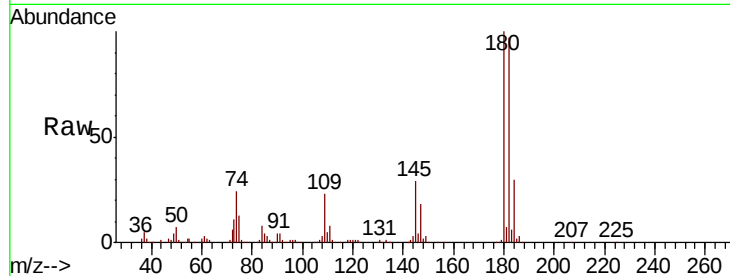




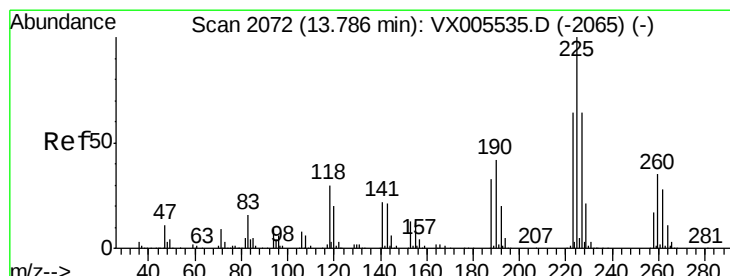
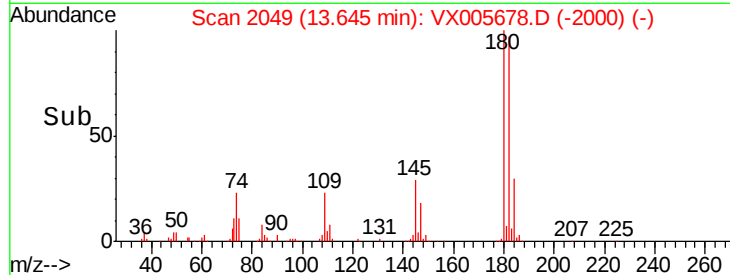
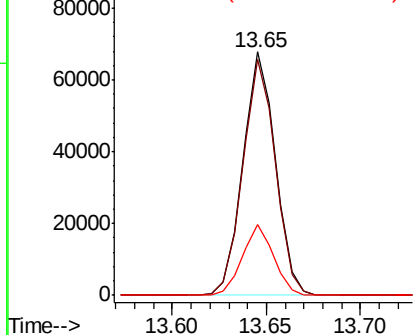
#93
 1,2,4-Trichlorobenzene
 Concen: 15.812 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1029WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.6	142.8
145	28.2	14.1	42.2

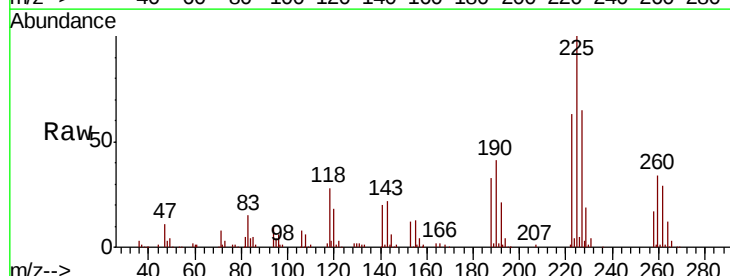


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

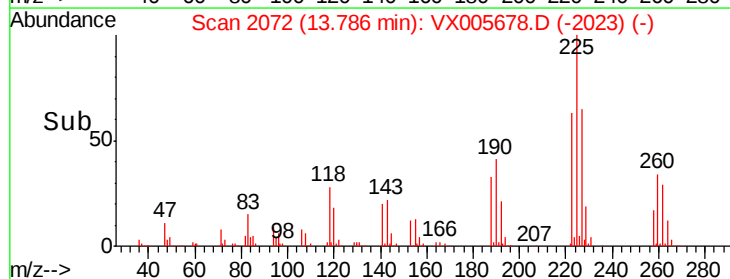
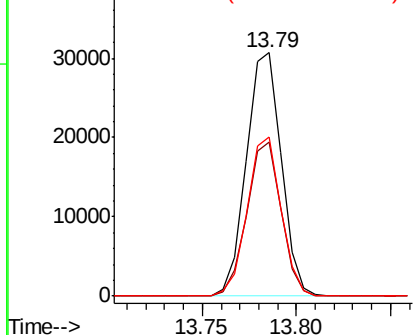


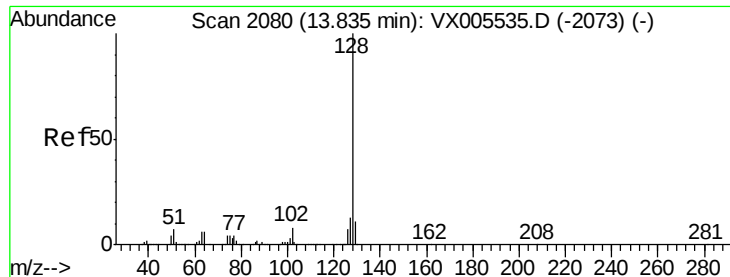
#94
 Hexachlorobutadiene
 Concen: 14.881 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005678.D
 Acq: 30 Oct 2018 00:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.7	95.1
227	63.5	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.859 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

Instrument :

MSVOA_X

ClientSampleId :

VX1029WBS02

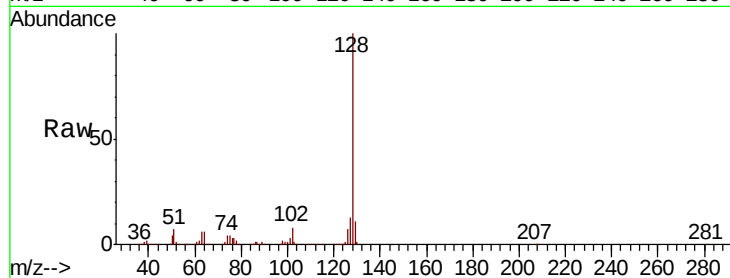
Tot Ion:128 Resp: 250193

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

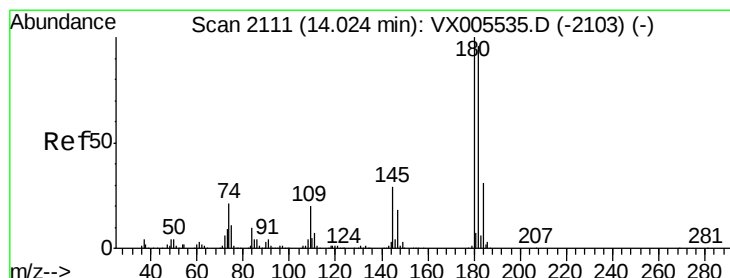
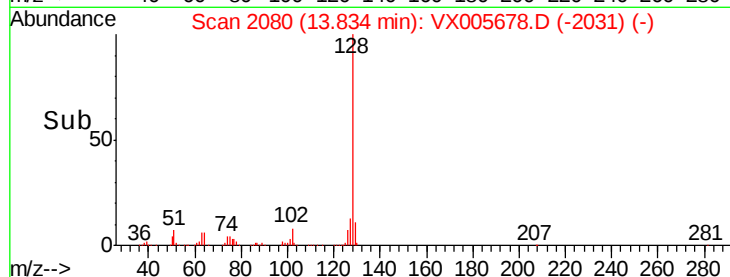
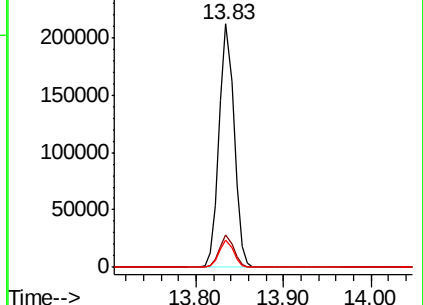
129 10.9 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 16.222 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005678.D

Acq: 30 Oct 2018 00:03

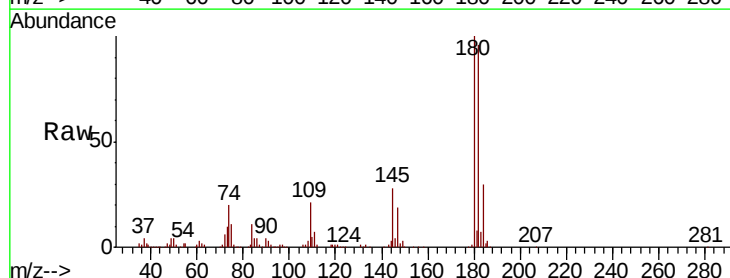
Tgt Ion:180 Resp: 83954

Ion Ratio Lower Upper

180 100

182 96.4 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

