

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100818\
 Data File : VX005141.D
 Acq On : 08 Oct 2018 22:16
 Operator : JC/MD
 Sample : VX1008WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

Quant Time: Oct 09 05:59:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	193455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	149829	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	5.50	113	115240	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	8.71	98	421481	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	11.14	95	155089	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50856	19.280	ug/l	100
3) Chloromethane	1.32	50	59847	18.701	ug/l	99
4) Vinyl Chloride	1.40	62	59912	19.961	ug/l	97
5) Bromomethane	1.64	94	37559	21.103	ug/l	95
6) Chloroethane	1.71	64	36615	21.036	ug/l	94
7) Trichlorofluoromethane	1.93	101	79922	21.509	ug/l	96
8) Diethyl Ether	2.19	74	31809	19.705	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	44034	20.804	ug/l	99
10) Methyl Iodide	2.51	142	36270	12.806	ug/l	92
11) Tert butyl alcohol	3.07	59	87590	113.355	ug/l	98
12) 1,1-Dichloroethene	2.37	96	42757	20.398	ug/l	88
13) Acrolein	2.29	56	15466	28.132	ug/l	89
14) Allyl chloride	2.73	41	96449	21.088	ug/l	96
15) Acrylonitrile	3.15	53	181940	106.960	ug/l	95
16) Acetone	2.45	43	163671	101.445	ug/l	93
17) Carbon Disulfide	2.57	76	105682	16.778	ug/l	100
18) Methyl Acetate	2.78	43	109924	26.891	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	163234	22.576	ug/l	93
20) Methylene Chloride	2.85	84	50269	20.942	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	44384	19.343	ug/l	86
22) Diisopropyl ether	3.87	45	163017	21.167	ug/l	97
23) Vinyl Acetate	3.82	43	684303	97.068	ug/l	99
24) 1,1-Dichloroethane	3.69	63	93579	20.369	ug/l	100
25) 2-Butanone	4.71	43	251806	105.882	ug/l	90
26) 2,2-Dichloropropane	4.58	77	53127	16.607	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	51795	20.206	ug/l	98
28) Bromochloromethane	5.03	49	45656	21.104	ug/l	95
29) Tetrahydrofuran	5.16	42	158899	107.500	ug/l	97
30) Chloroform	5.21	83	91594	21.096	ug/l	84
31) Cyclohexane	5.57	56	68977	19.617	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	74974	21.144	ug/l	96
36) 1,1-Dichloropropene	5.79	75	62228	18.869	ug/l	90
37) Ethyl Acetate	4.86	43	85785	19.596	ug/l	99
38) Carbon Tetrachloride	5.78	117	63571	18.338	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	62539	18.571	ug/l	86
40) Benzene	6.13	78	190960	18.496	ug/l	92
41) Methacrylonitrile	5.06	41	49557	20.413	ug/l	98
42) 1,2-Dichloroethane	6.20	62	71076	19.474	ug/l	97
43) Isopropyl Acetate	6.47	43	121577	19.242	ug/l	97
44) Trichloroethene	7.21	130	49519	19.510	ug/l	94
45) 1,2-Dichloropropane	7.52	63	51439	20.316	ug/l	95
46) Dibromomethane	7.66	93	32211	20.243	ug/l	99
47) Bromodichloromethane	7.90	83	62420	20.952	ug/l	99
48) Methyl methacrylate	7.78	41	61642	21.494	ug/l	99
49) 1,4-Dioxane	7.76	88	29831	418.690	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	440688	110.771	ug/l	99
52) Toluene	8.79	92	116894	20.604	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	63667	18.911	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	71459	20.265	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	50659	20.385	ug/l	96
56) Ethyl methacrylate	9.18	69	72749	19.870	ug/l	98
57) 1,3-Dichloropropane	9.37	76	83003	20.069	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	212127	107.666	ug/l	100
59) 2-Hexanone	9.49	43	346289	104.453	ug/l	94
60) Dibromochloromethane	9.59	129	50383	20.273	ug/l	97
61) 1,2-Dibromoethane	9.67	107	50712	19.055	ug/l	93
64) Tetrachloroethene	9.34	164	49243	18.287	ug/l	96
65) Chlorobenzene	10.14	112	131938	18.806	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	47776	19.370	ug/l	99
67) Ethyl Benzene	10.26	91	215483	19.346	ug/l	95
68) m/p-Xylenes	10.36	106	167696	38.527	ug/l	95
69) o-Xylene	10.70	106	80330	20.093	ug/l	99
70) Styrene	10.71	104	136615	19.629	ug/l	99
71) Bromoform	10.86	173	40010	18.947	ug/l	# 98
73) Isopropylbenzene	11.02	105	222025	20.896	ug/l	99
74) N-amyl acetate	10.90	43	102654	18.711	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	81716	18.893	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	93177	24.661	ug/l	82
77) Bromobenzene	11.26	156	60940	19.746	ug/l	100
78) n-propylbenzene	11.36	91	254787	20.899	ug/l	99
79) 2-Chlorotoluene	11.42	91	154508	20.332	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	190785	19.470	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	20022	15.866	ug/l	97
82) 4-Chlorotoluene	11.51	91	181874	20.334	ug/l	99
83) tert-Butylbenzene	11.77	119	188788	21.580	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	195486	19.343	ug/l	99
85) sec-Butylbenzene	11.94	105	226913	21.295	ug/l	100
86) p-Isopropyltoluene	12.07	119	202584	20.984	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	113197	19.642	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	114833	19.303	ug/l	99
89) n-Butylbenzene	12.39	91	170172	19.409	ug/l	100
90) Hexachloroethane	12.60	117	32731	20.363	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	114387	18.993	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19096	20.108	ug/l	100

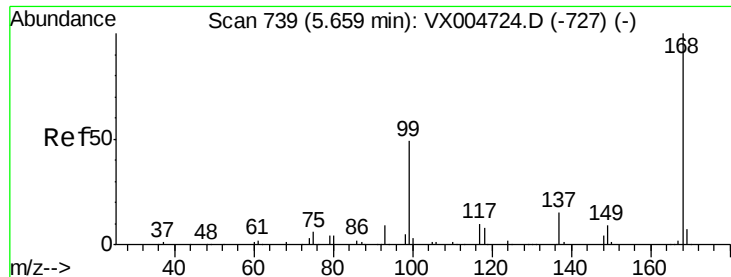
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	81517	19.295	ug/l	99
94) Hexachlorobutadiene	13.78	225	43566	19.887	ug/l	98
95) Naphthalene	13.83	128	256626	18.758	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	86396	19.797	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

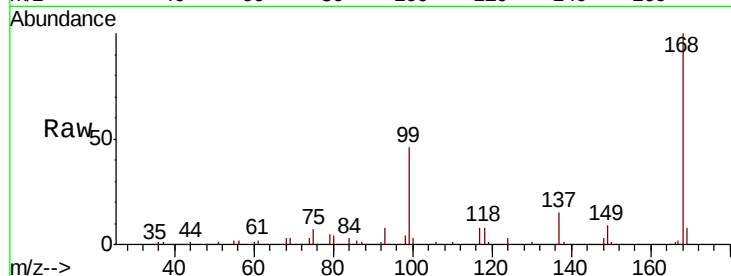
VX1008WBS02

Tot Ion:168 Resp: 193455

Ion Ratio Lower Upper

168 100

99 46.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): VX004724.D (-727) (-)

Ion 98.90 (98.60 to 99.60): VX004724.D (-727) (-)

5.66

80000

60000

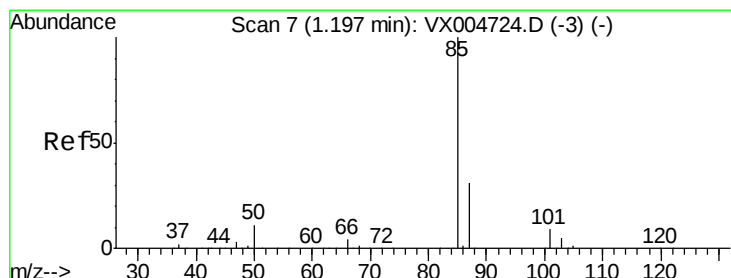
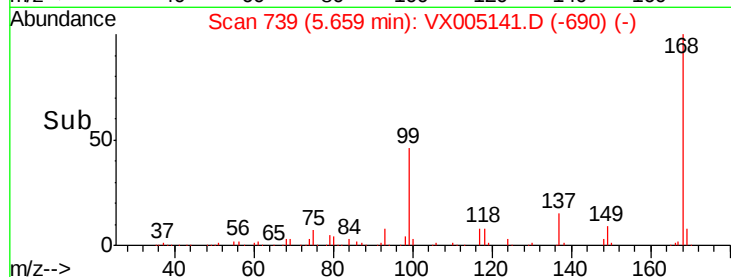
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.280 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005141.D

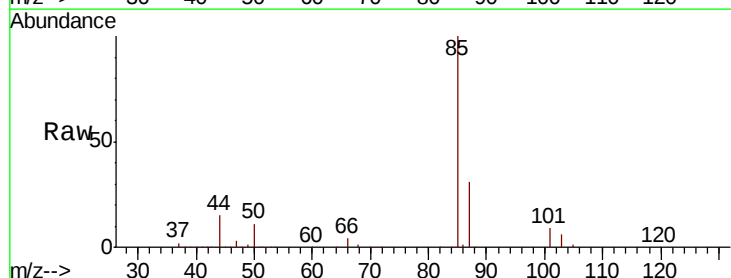
Acq: 08 Oct 2018 22:16

Tgt Ion: 85 Resp: 50856

Ion Ratio Lower Upper

85 100

87 31.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX004724.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VX004724.D (-3) (-)

1.20

50000

40000

30000

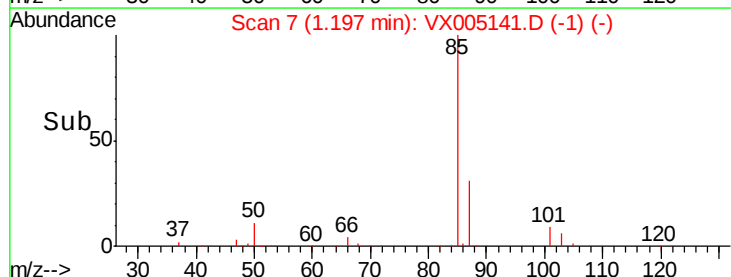
20000

10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 18.701 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

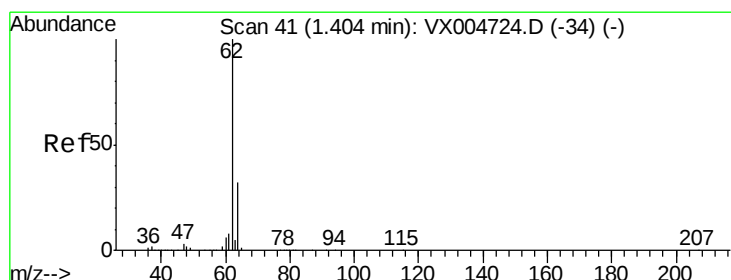
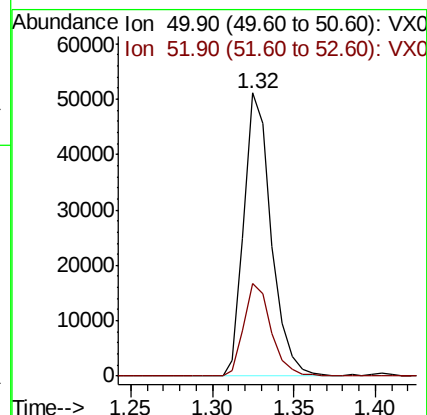
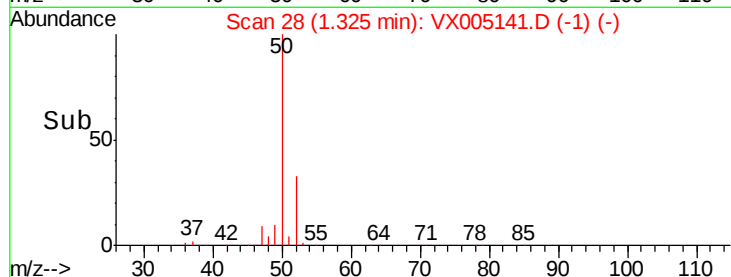
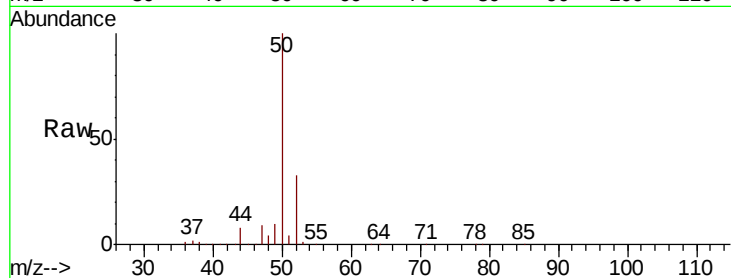
VX1008WBS02

Tot Ion: 50 Resp: 59847

Ion Ratio Lower Upper

50 100

52 32.6 25.8 38.6



#4

Vinyl Chloride

Concen: 19.961 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005141.D

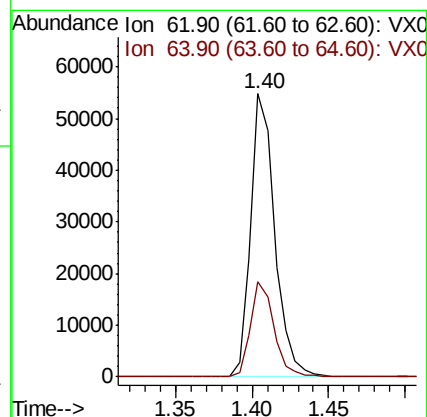
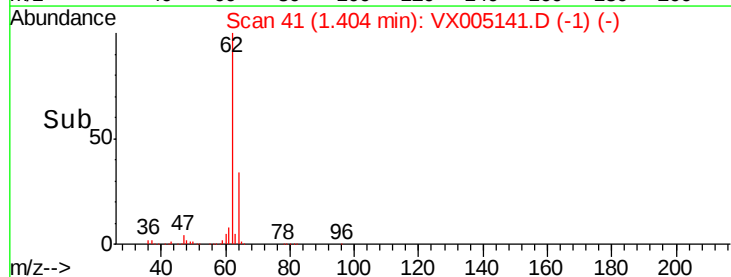
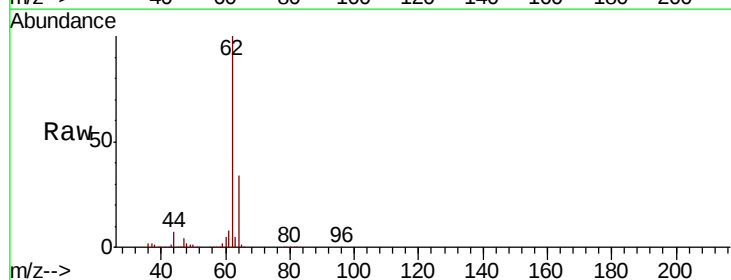
Acq: 08 Oct 2018 22:16

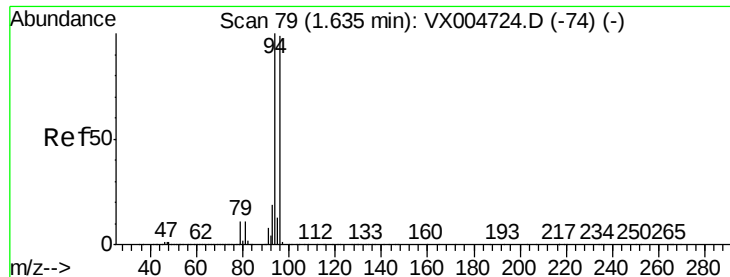
Tgt Ion: 62 Resp: 59912

Ion Ratio Lower Upper

62 100

64 33.6 25.5 38.3





#5

Bromomethane

Concen: 21.103 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

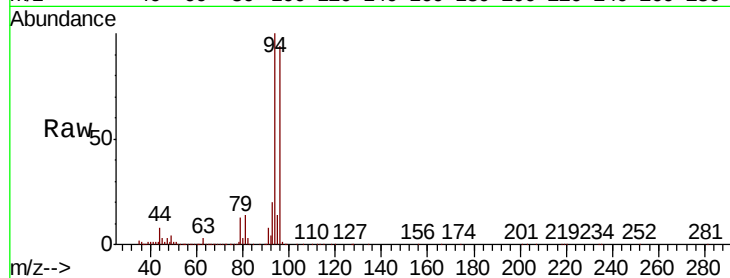
VX1008WBS02

Tot Ion: 94 Resp: 37559

Ion Ratio Lower Upper

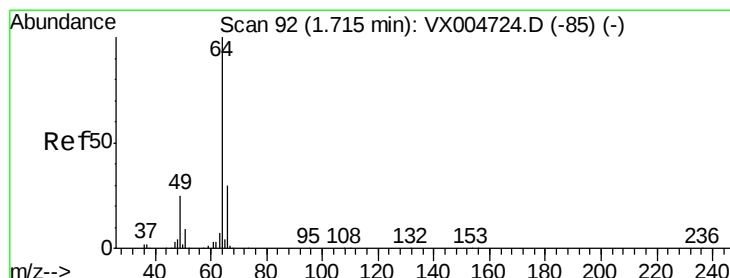
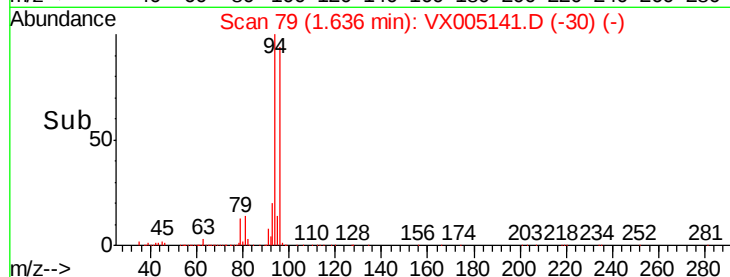
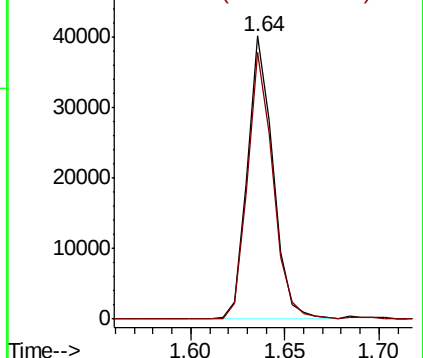
94 100

96 94.0 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 21.036 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005141.D

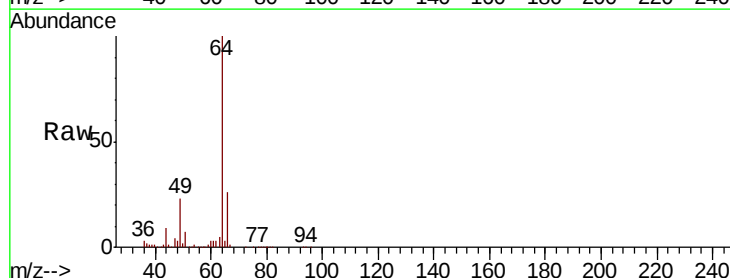
Acq: 08 Oct 2018 22:16

Tgt Ion: 64 Resp: 36615

Ion Ratio Lower Upper

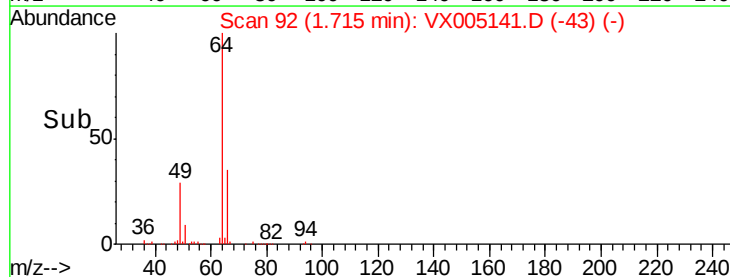
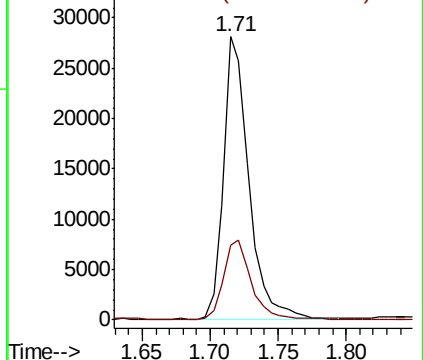
64 100

66 26.4 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 21.509 ug/l

RT: 1.93 min Scan# 127

Delta R.T. 0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

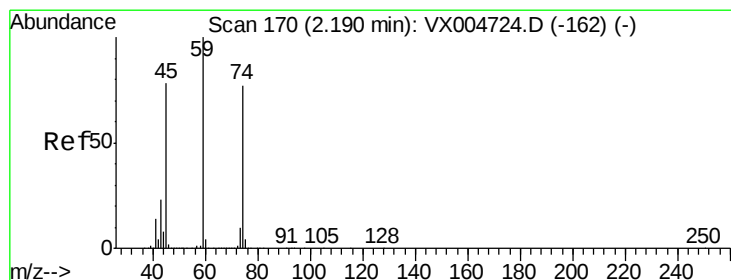
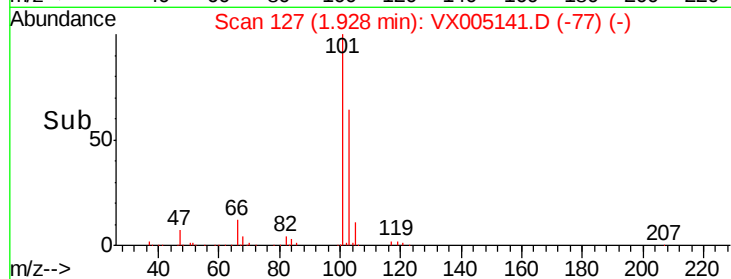
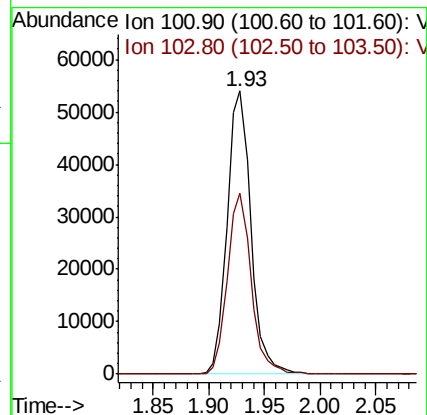
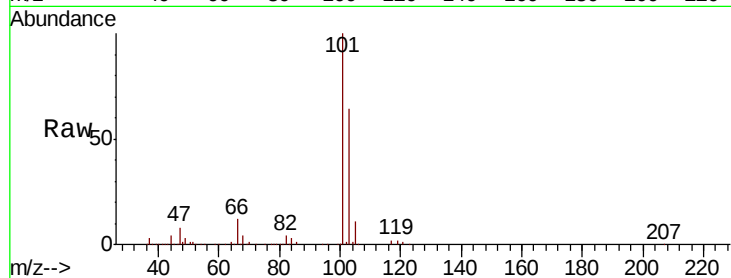
VX1008WBS02

Tot Ion:101 Resp: 79922

Ion Ratio Lower Upper

101 100

103 63.7 48.4 72.6



#8

Diethyl Ether

Concen: 19.705 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX005141.D

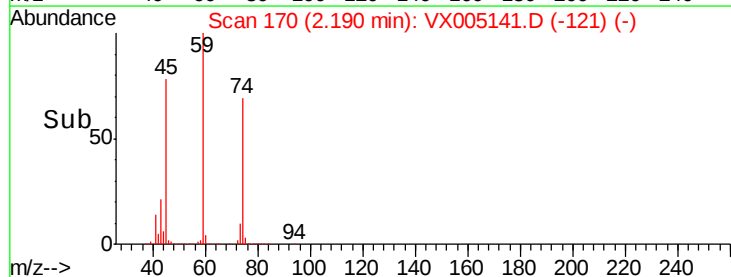
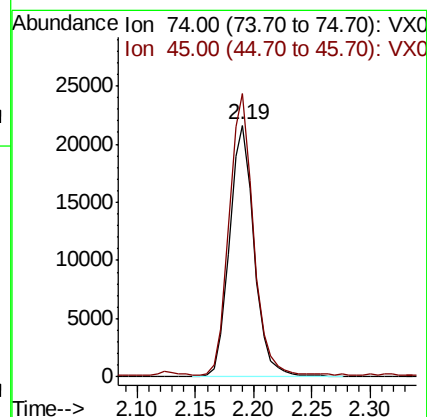
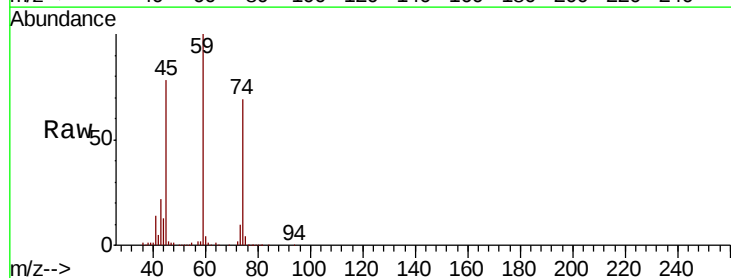
Acq: 08 Oct 2018 22:16

Tgt Ion: 74 Resp: 31809

Ion Ratio Lower Upper

74 100

45 110.0 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.804 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

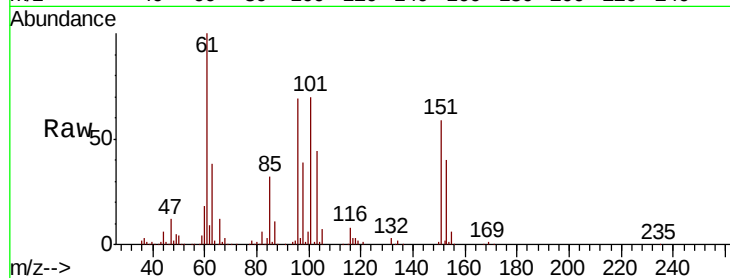
Tot Ion:101 Resp: 44034

Ion Ratio Lower Upper

101 100

85 44.8 35.9 53.9

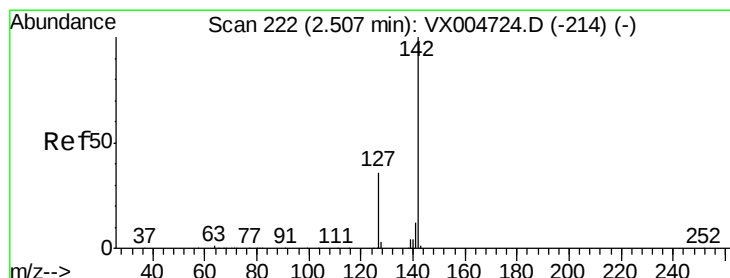
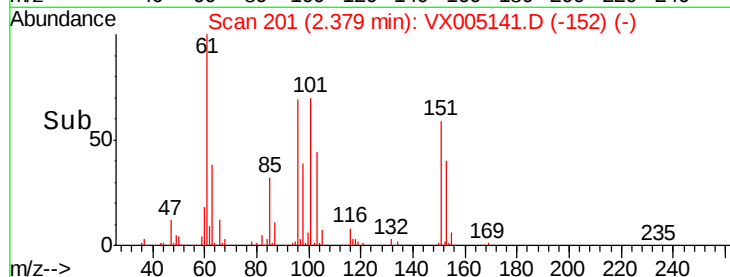
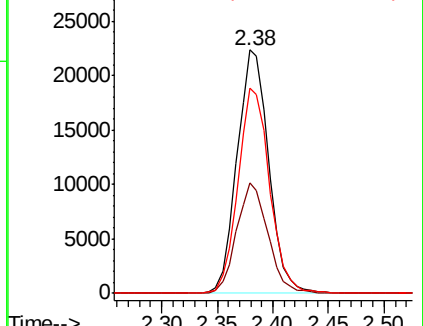
151 84.2 66.6 100.0



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: 12.806 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

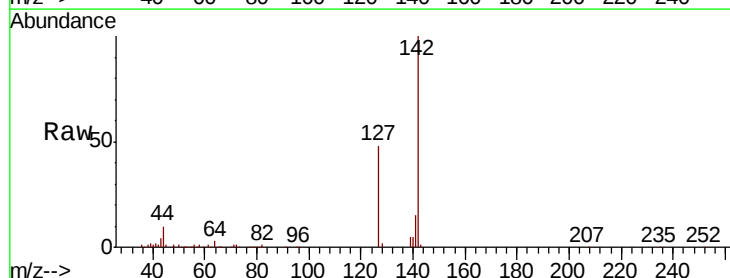
Tgt Ion:142 Resp: 36270

Ion Ratio Lower Upper

142 100

127 43.6 30.1 45.1

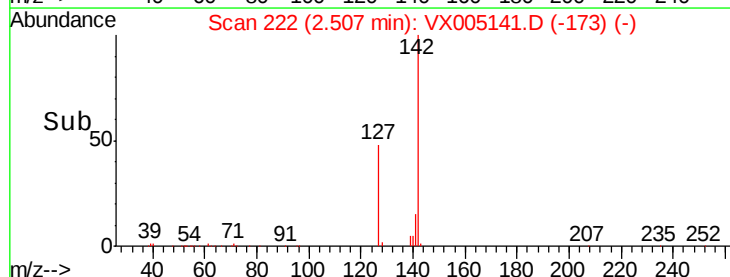
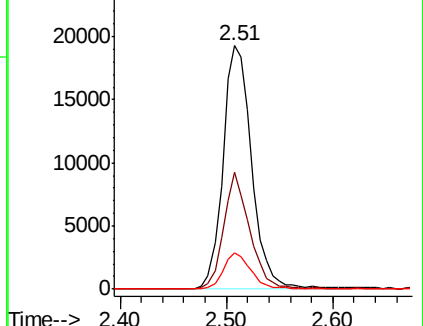
141 14.2 10.1 15.1

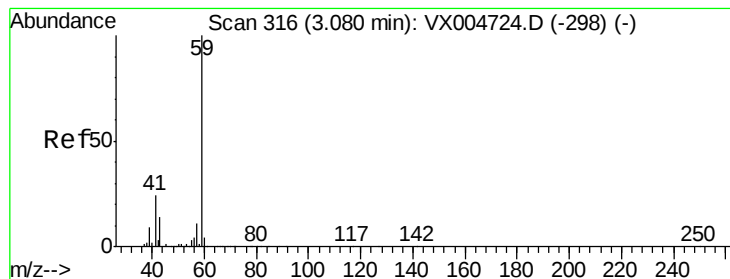


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



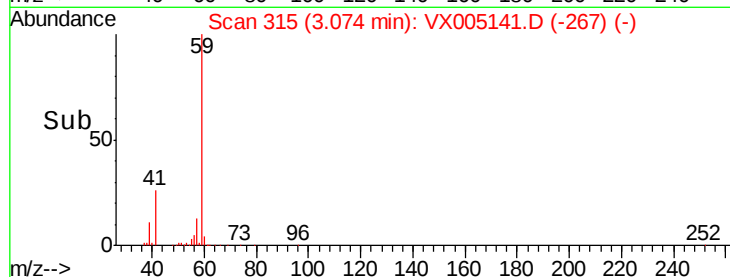
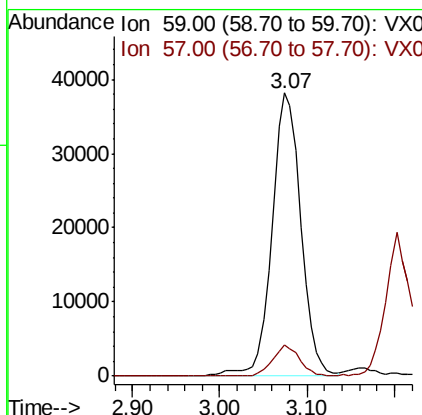
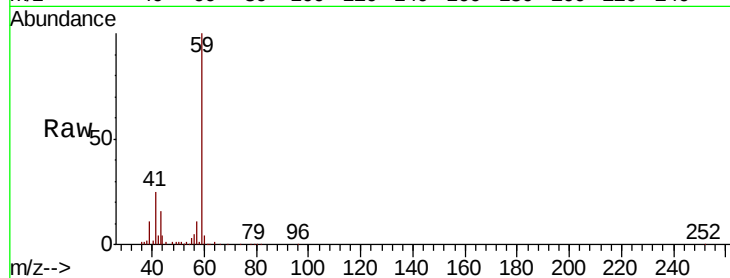


#11

Tert butyl alcohol
 Concen: 113.355 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

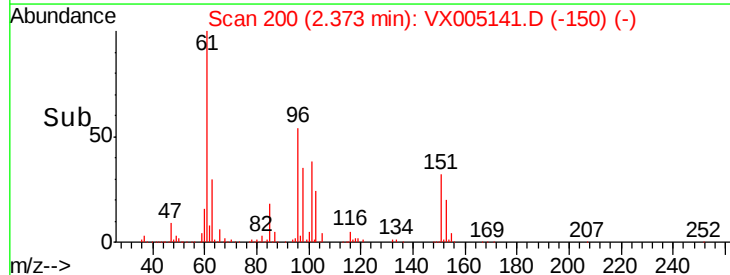
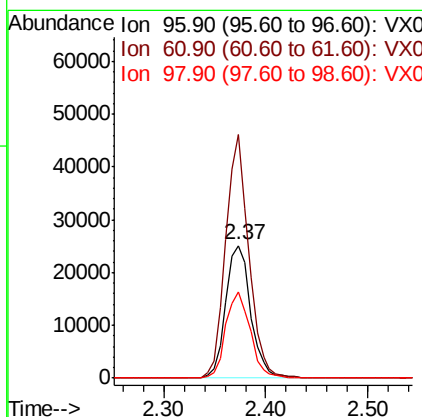
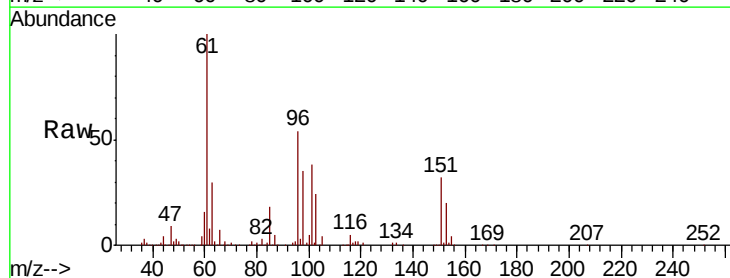
Tot Ion: 59 Resp: 87590
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.6 12.8

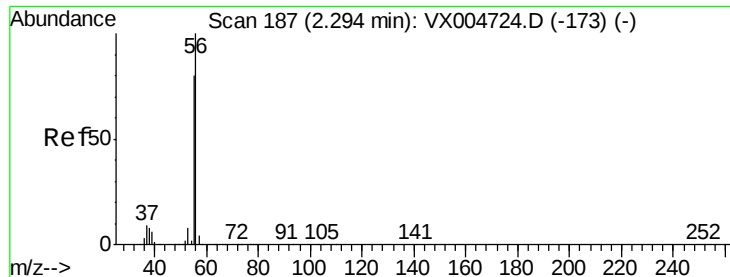


#12

1,1-Dichloroethene
 Concen: 20.398 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion: 96 Resp: 42757
 Ion Ratio Lower Upper
 96 100
 61 183.6 130.2 195.4
 98 64.9 53.4 80.0





#13

Acrolein

Concen: 28.132 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

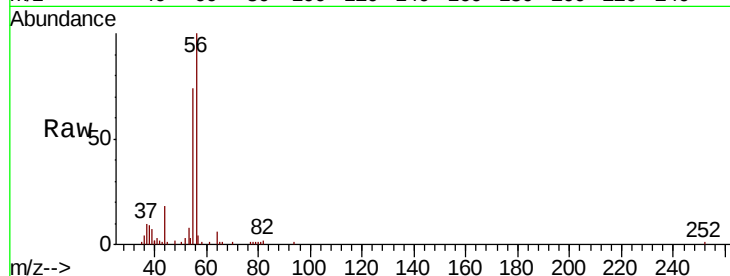
VX1008WBS02

Tot Ion: 56 Resp: 15466

Ion Ratio Lower Upper

56 100

55 69.5 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

10000

8000

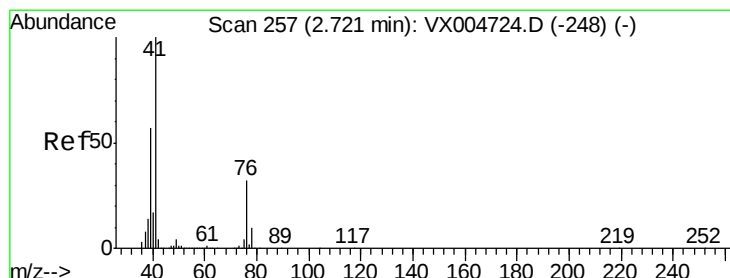
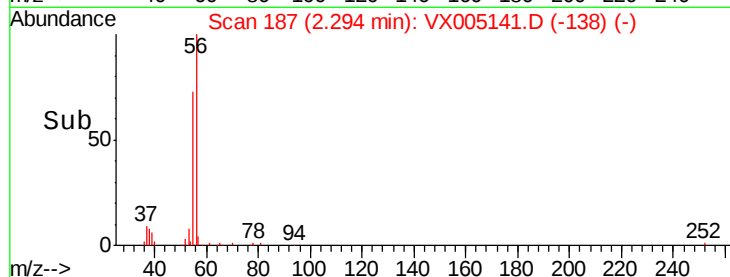
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 21.088 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

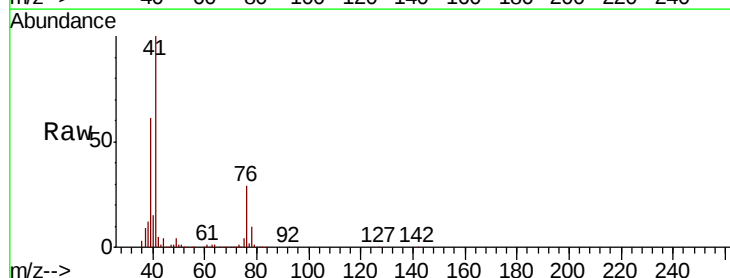
Tgt Ion: 41 Resp: 96449

Ion Ratio Lower Upper

41 100

39 56.4 44.1 66.1

76 26.9 25.0 37.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

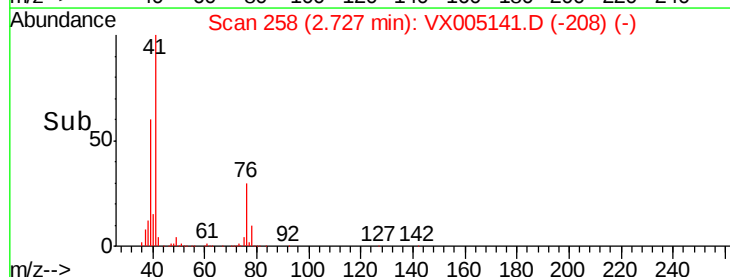
60000

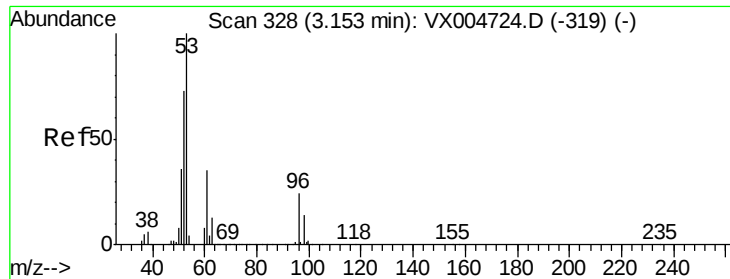
40000

20000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 106.960 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

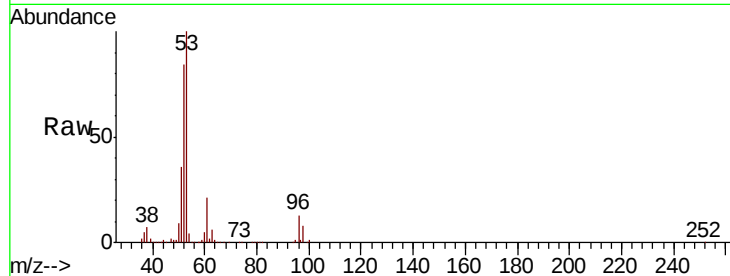
Tot Ion: 53 Resp: 181940

Ion Ratio Lower Upper

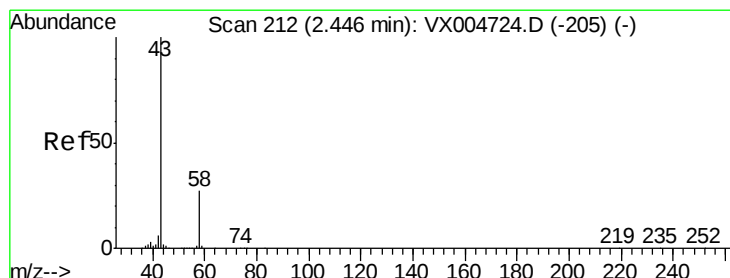
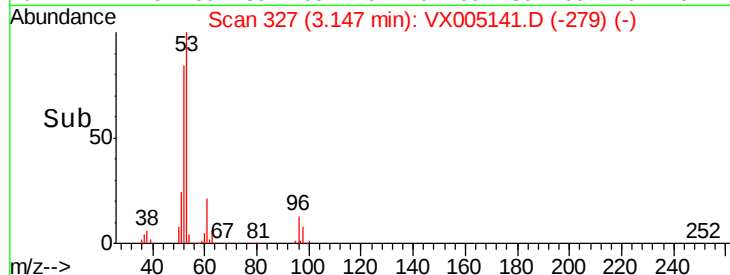
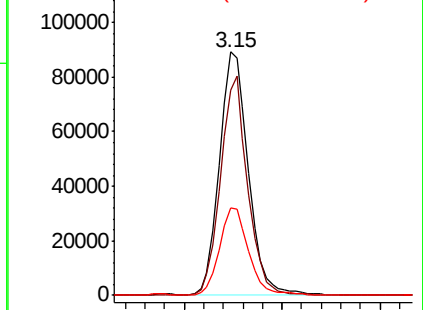
53 100

52 84.5 63.0 94.4

51 36.3 28.6 42.8



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: 101.445 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005141.D

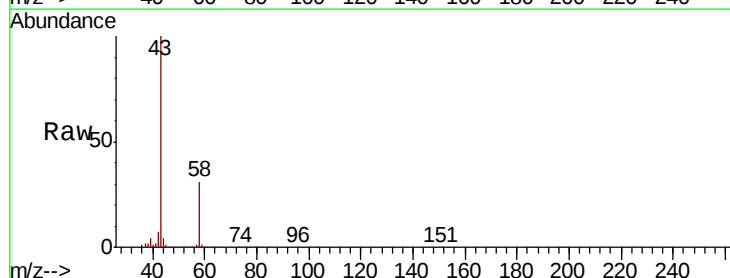
Acq: 08 Oct 2018 22:16

Tgt Ion: 43 Resp: 163671

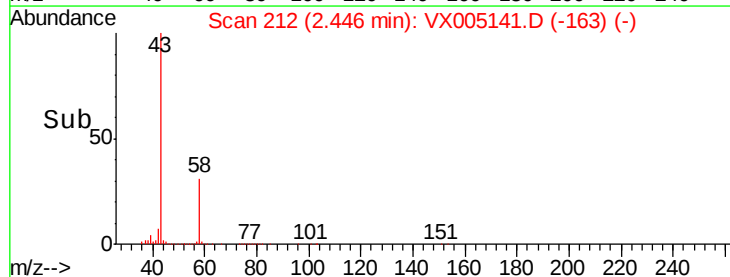
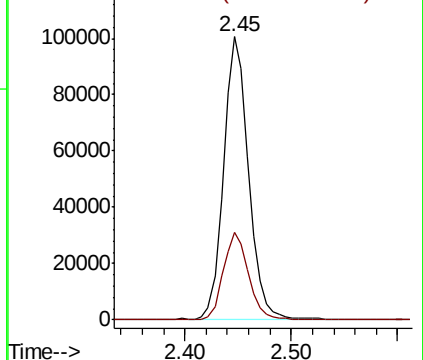
Ion Ratio Lower Upper

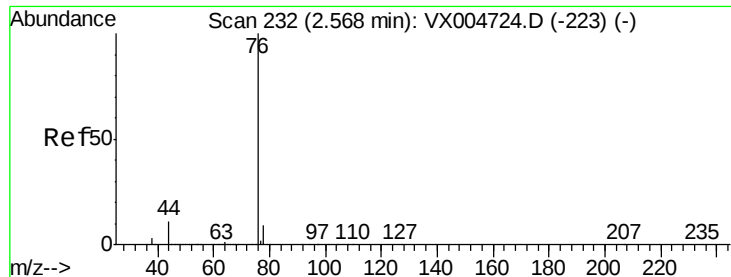
43 100

58 30.8 21.8 32.6



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

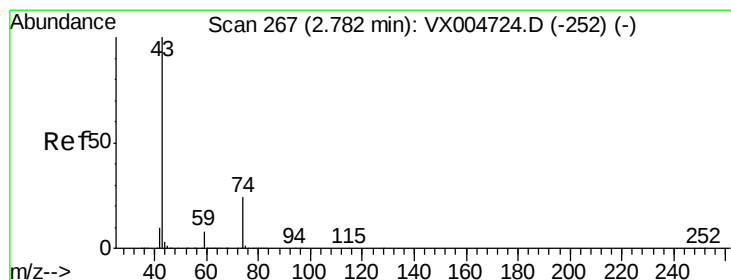
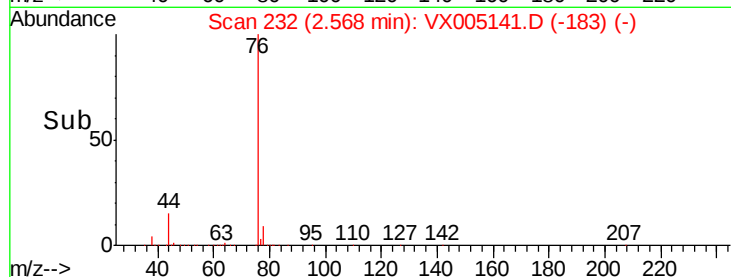
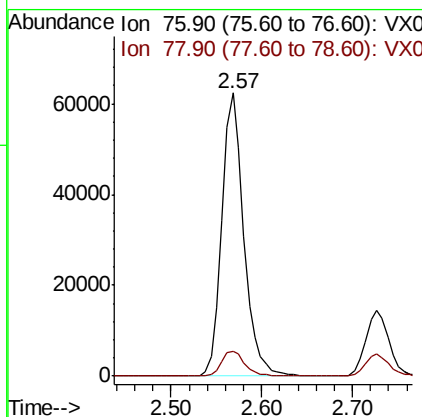
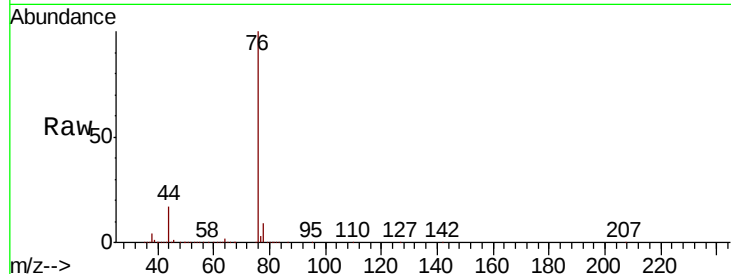




#17
Carbon Disulfide
Concen: 16.778 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

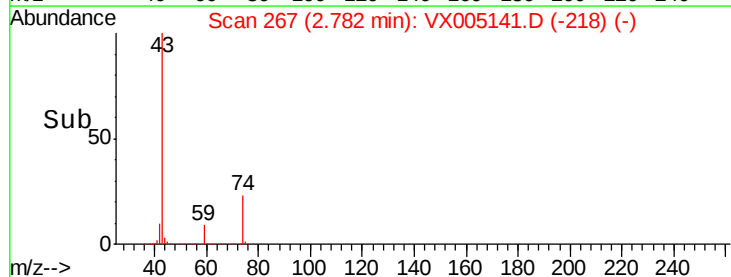
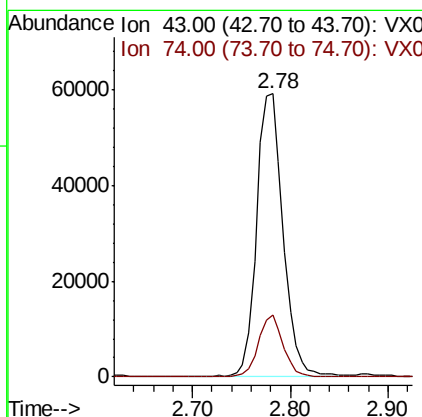
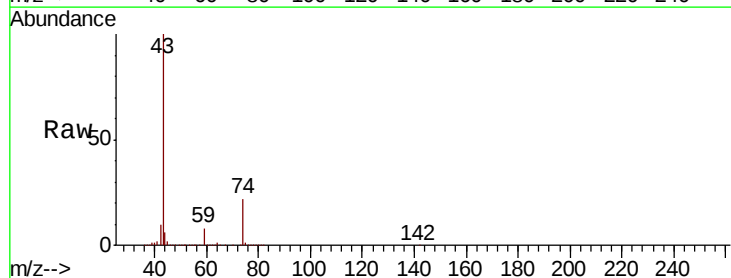
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

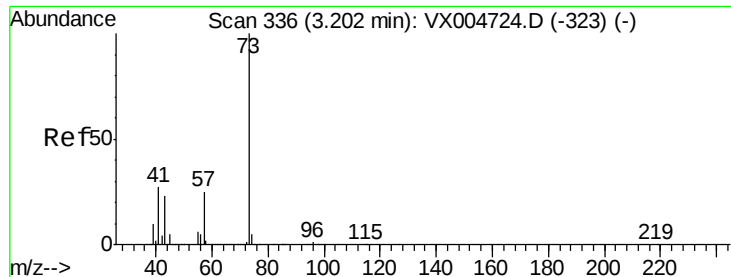
Tot Ion: 76 Resp: 105682
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 26.891 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 43 Resp: 109924
Ion Ratio Lower Upper
43 100
74 20.9 17.8 26.8



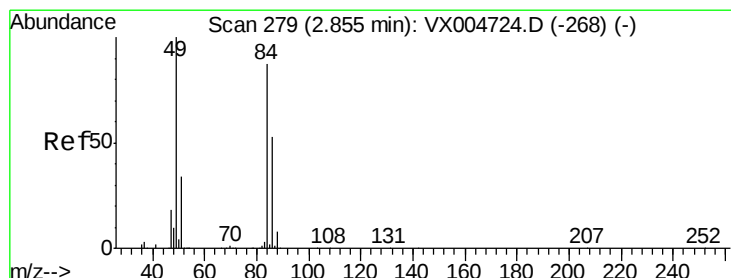
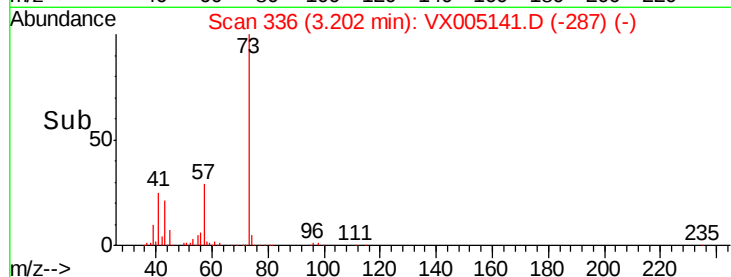
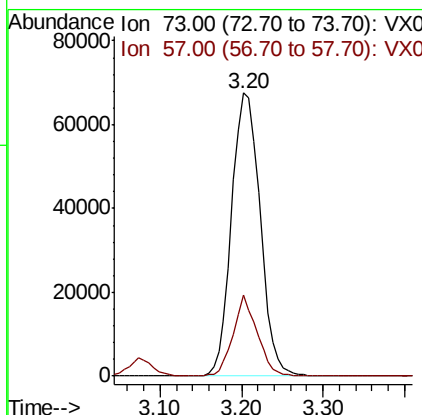
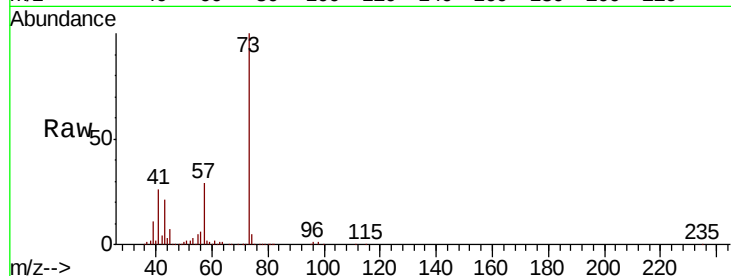


#19

Methyl tert-butyl Ether
 Concen: 22.576 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

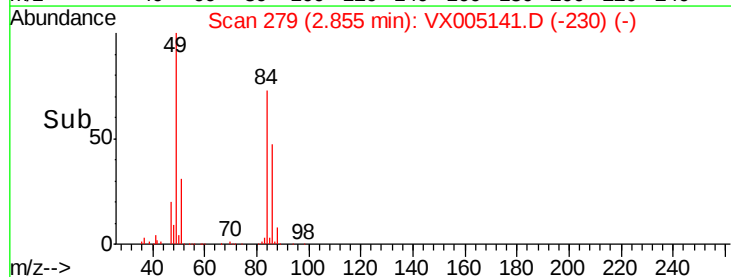
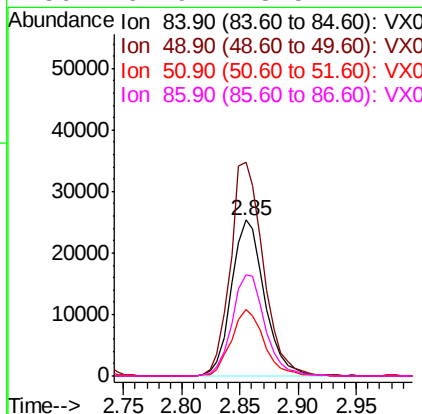
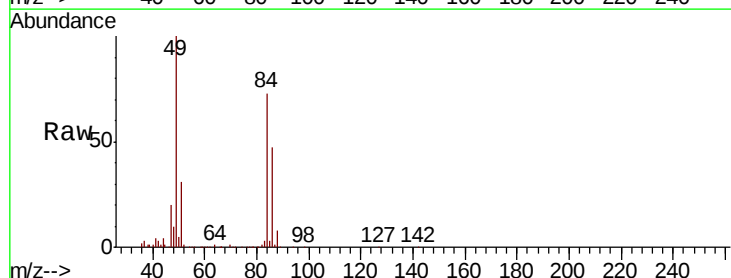
Tot Ion: 73 Resp: 163234
 Ion Ratio Lower Upper
 73 100
 57 28.6 19.9 29.9

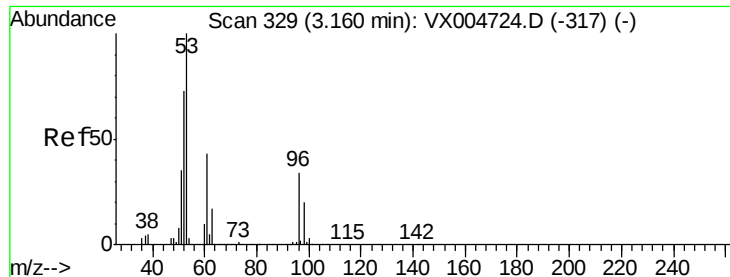


#20

Methylene Chloride
 Concen: 20.942 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion: 84 Resp: 50269
 Ion Ratio Lower Upper
 84 100
 49 136.7 92.3 138.5
 51 42.6 31.8 47.6
 86 64.9 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 19.343 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

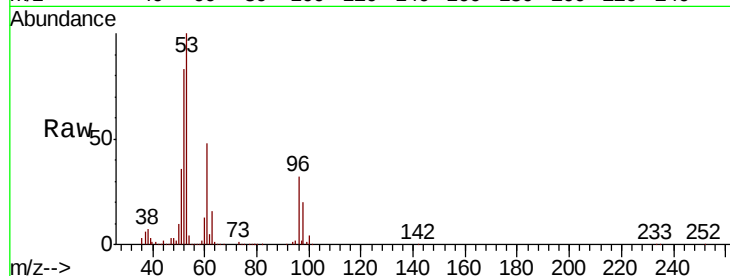
Tot Ion: 96 Resp: 44384

Ion Ratio Lower Upper

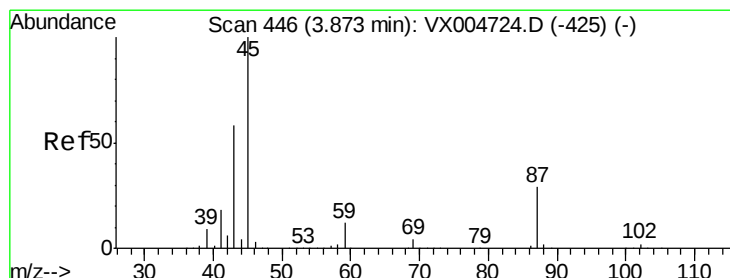
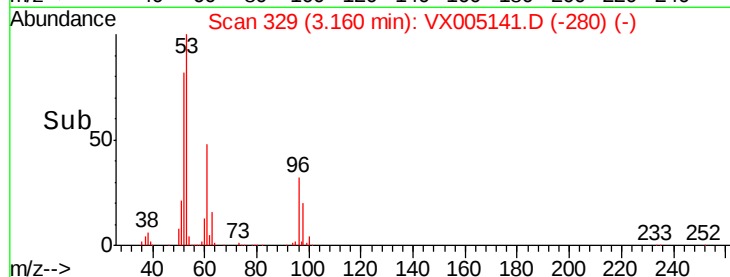
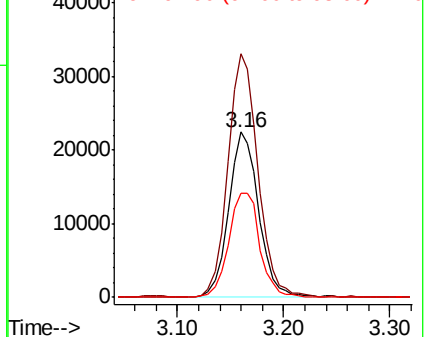
96 100

61 146.9 101.0 151.6

98 63.1 47.2 70.8



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



#22

Diisopropyl ether

Concen: 21.167 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Tgt Ion: 45 Resp: 163017

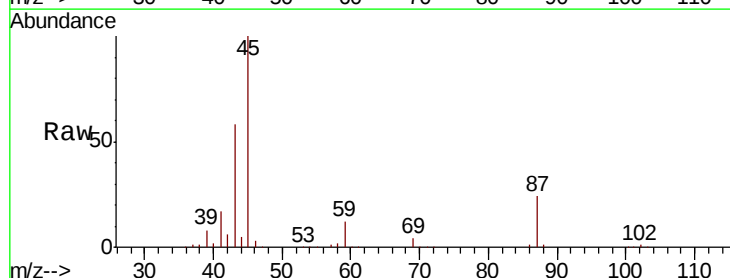
Ion Ratio Lower Upper

45 100

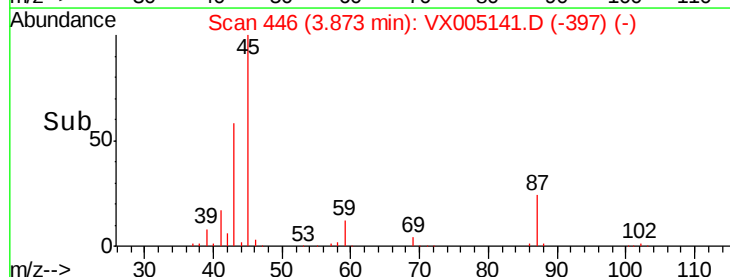
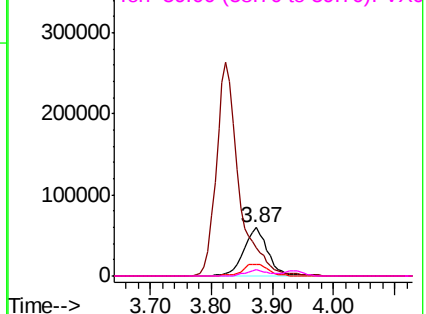
43 57.9 46.7 70.1

87 24.4 22.9 34.3

59 12.1 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0

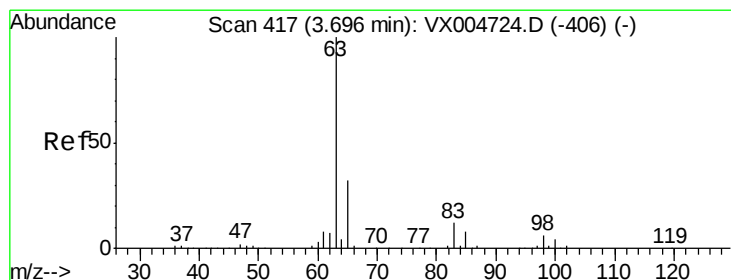
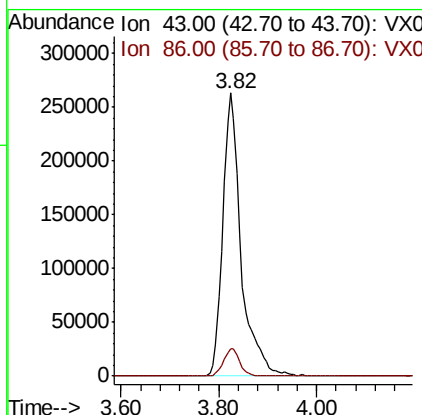
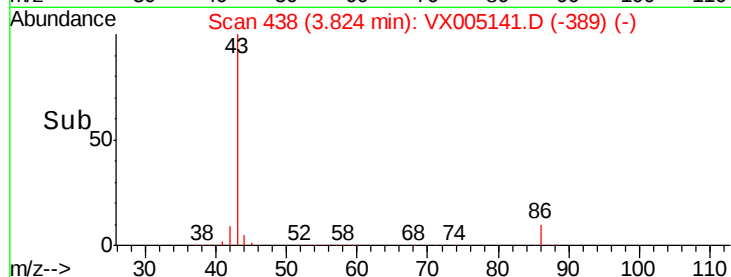
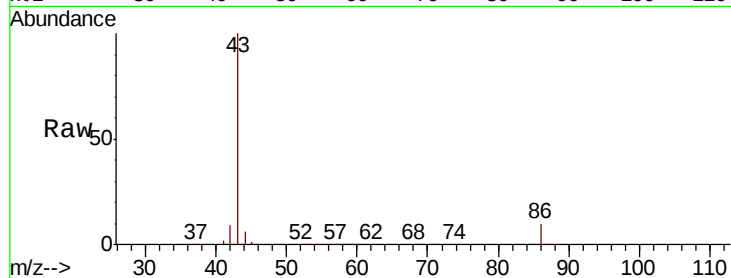




#23
 Vinyl Acetate
 Concen: 97.068 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

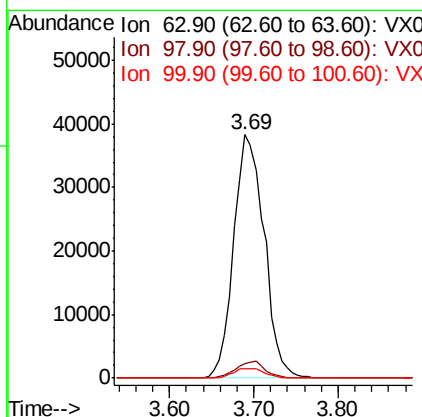
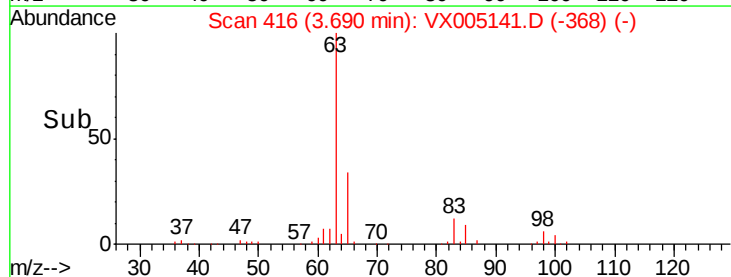
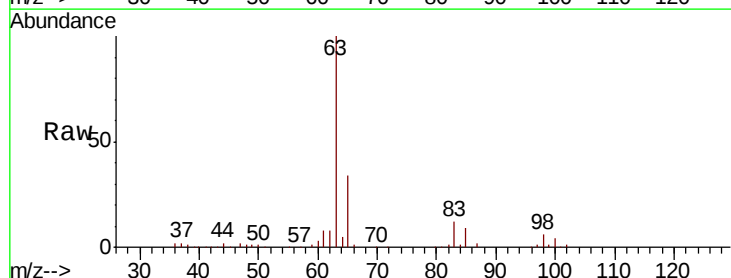
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

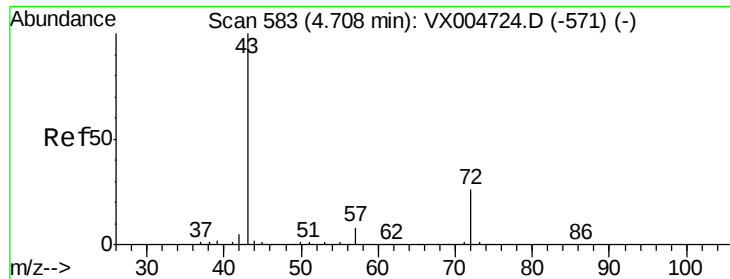
Tot Ion: 43 Resp: 684303
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 20.369 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion: 63 Resp: 93579
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 105.882 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampled :

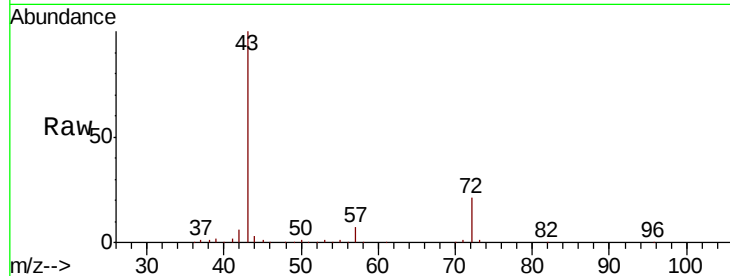
VX1008WBS02

Tot Ion: 43 Resp: 251806

Ion Ratio Lower Upper

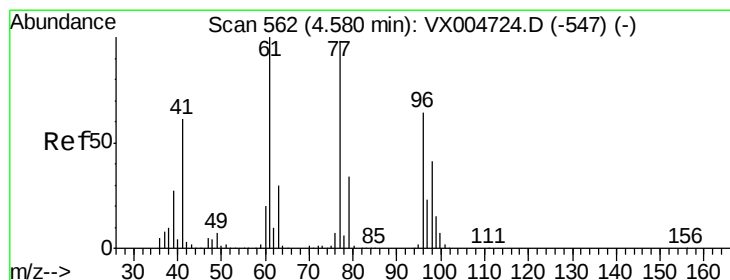
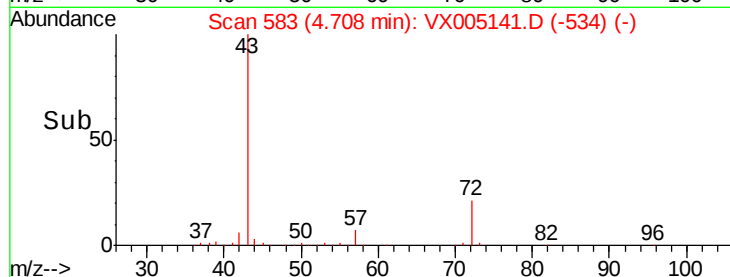
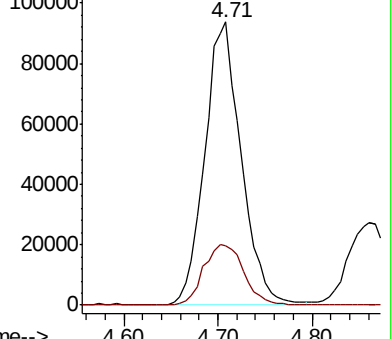
43 100

72 21.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.607 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005141.D

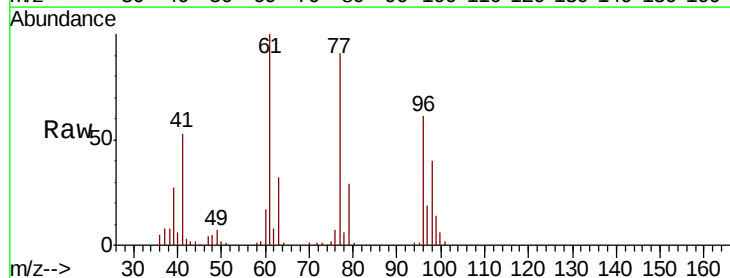
Acq: 08 Oct 2018 22:16

Tgt Ion: 77 Resp: 53127

Ion Ratio Lower Upper

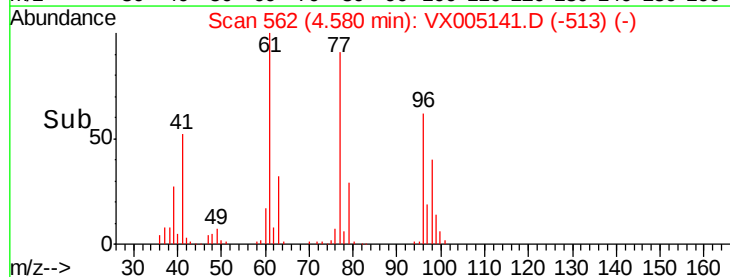
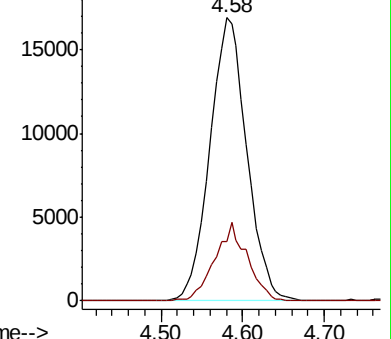
77 100

97 24.4 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



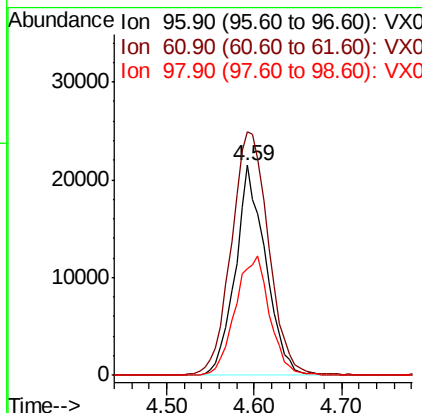
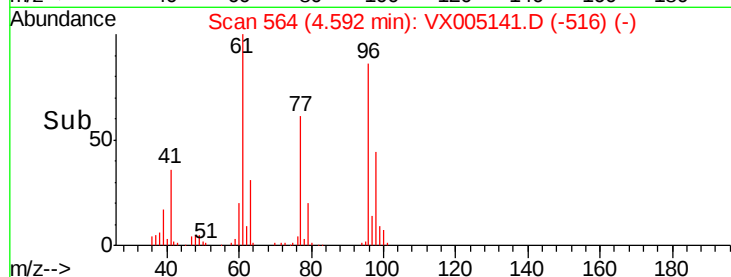
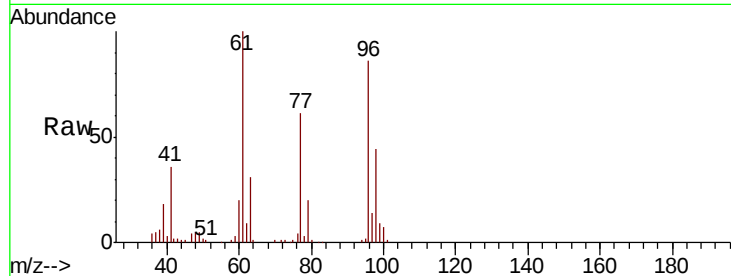


#27

cis-1,2-Dichloroethene
Concen: 20.206 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

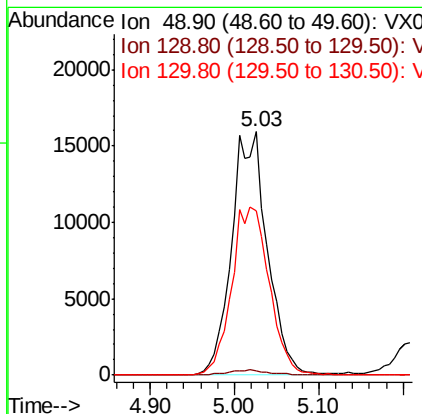
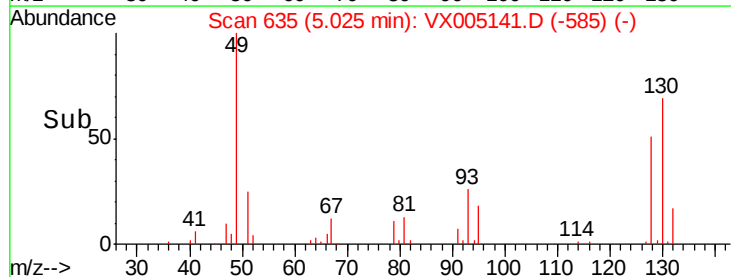
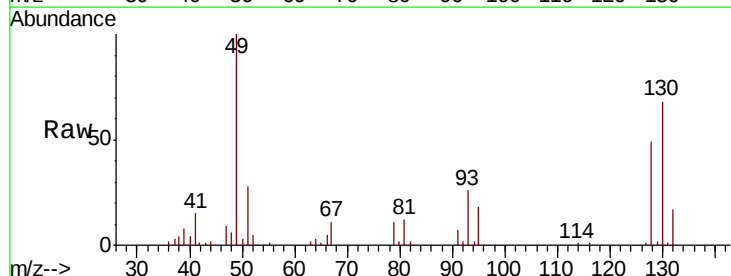
Tot Ion: 96 Resp: 51795
Ion Ratio Lower Upper
96 100
61 142.5 0.0 285.8
98 64.0 0.0 136.2

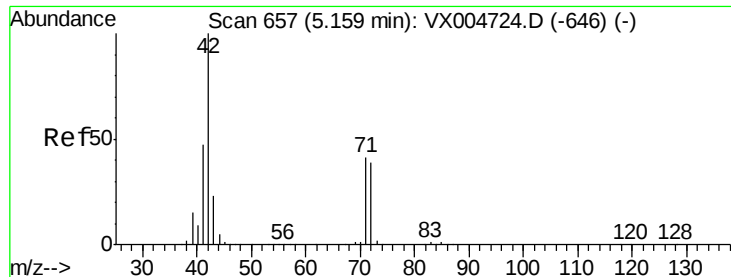


#28

Bromochloromethane
Concen: 21.104 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 49 Resp: 45656
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 72.7 62.0 93.0

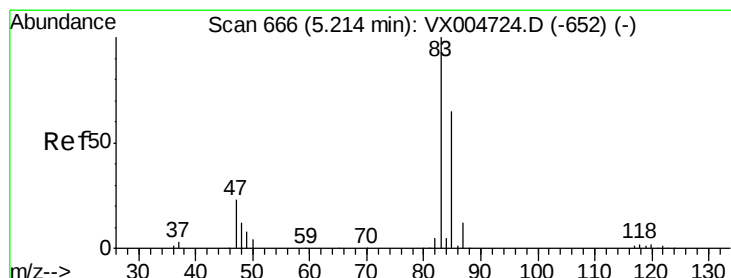
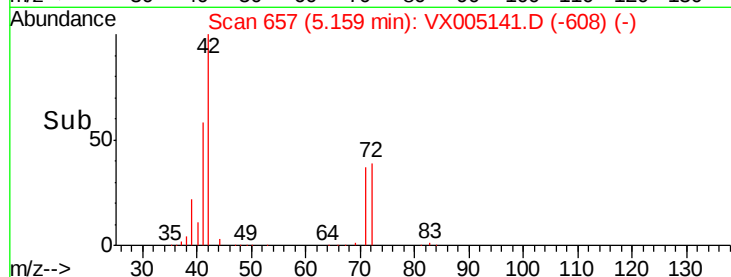
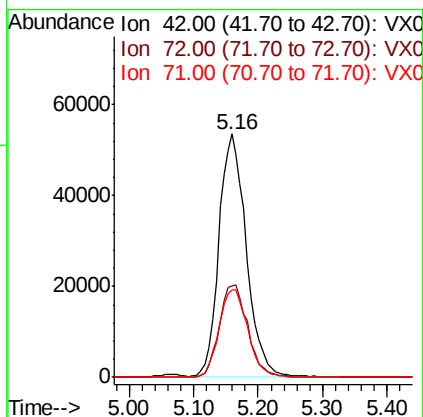
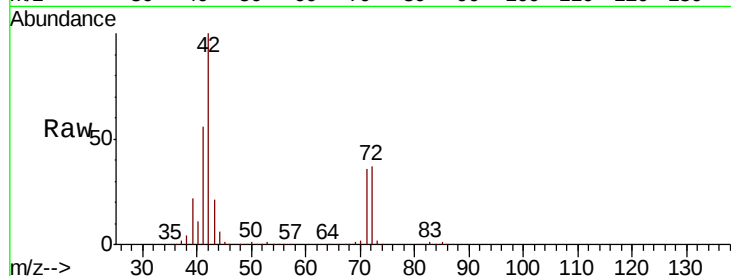




#29
Tetrahydrofuran
Concen: 107.500 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

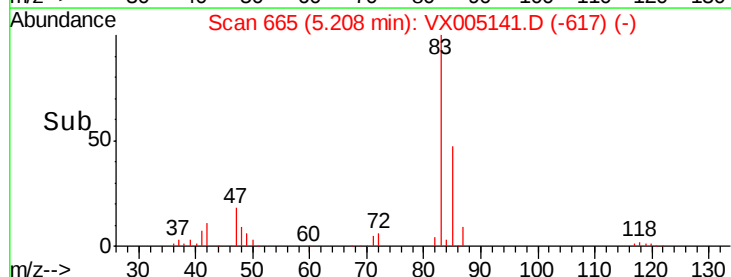
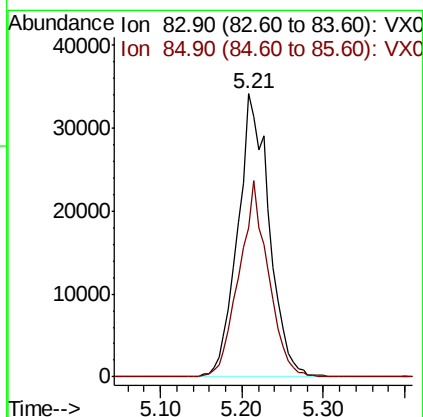
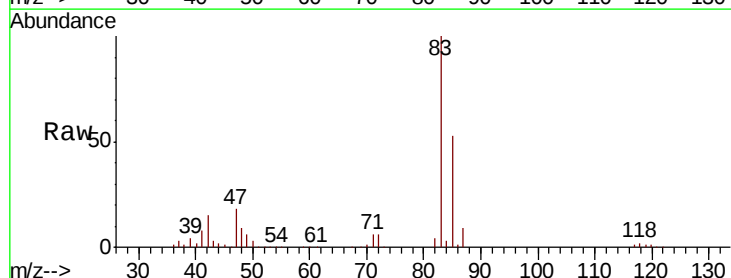
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

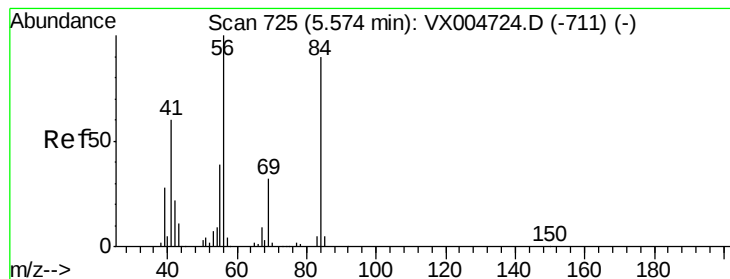
Tot Ion: 42 Resp: 158899
Ion Ratio Lower Upper
42 100
72 40.1 33.7 50.5
71 38.2 32.2 48.4



#30
Chloroform
Concen: 21.096 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 83 Resp: 91594
Ion Ratio Lower Upper
83 100
85 52.6 52.4 78.6





#31

Cyclohexane

Concen: 19.617 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

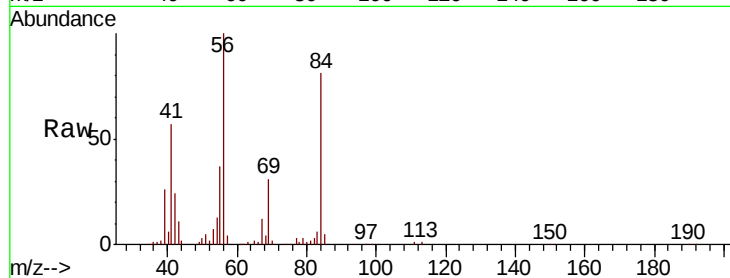
Tot Ion: 56 Resp: 68977

Ion Ratio Lower Upper

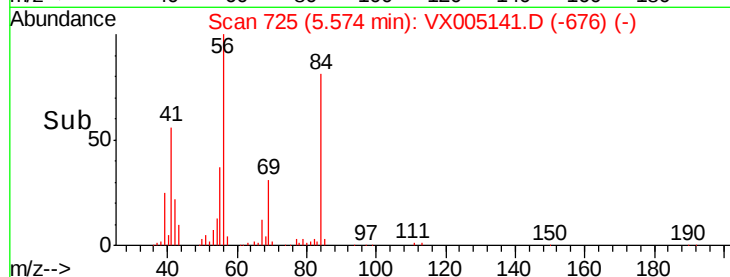
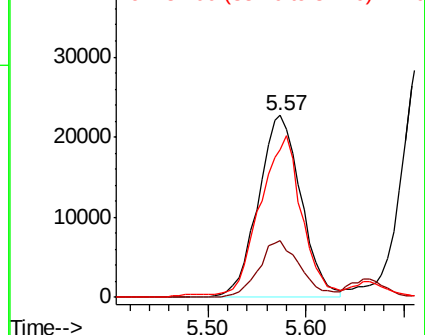
56 100

69 31.1 25.9 38.9

84 79.6 71.9 107.9



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: 21.144 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

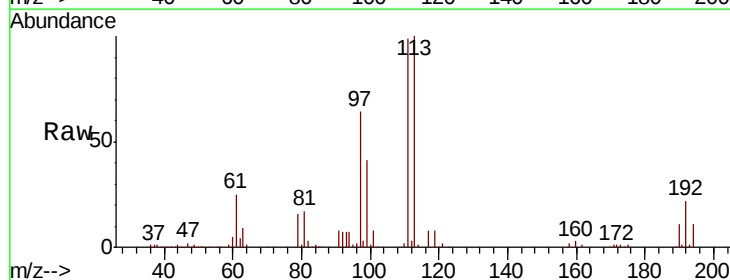
Tgt Ion: 97 Resp: 74974

Ion Ratio Lower Upper

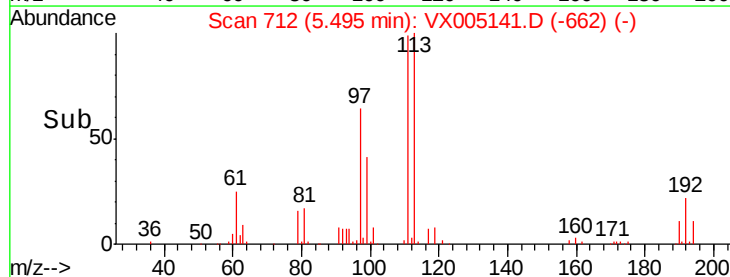
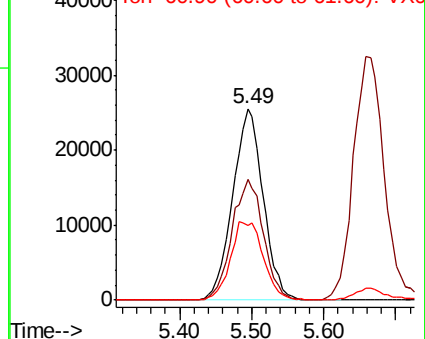
97 100

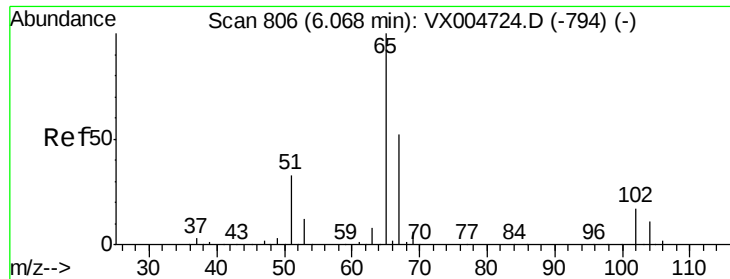
99 64.9 54.6 82.0

61 44.2 37.5 56.3



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

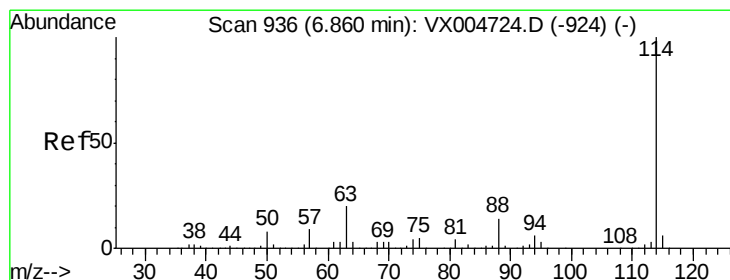
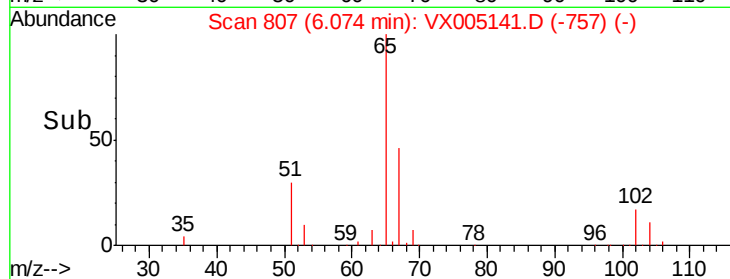
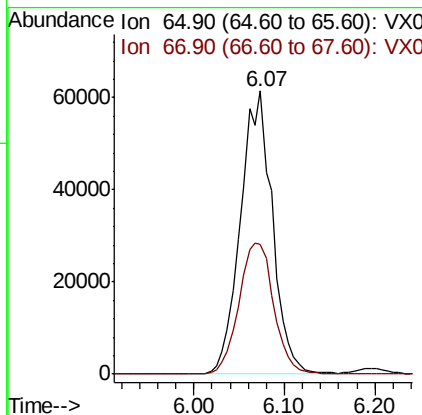
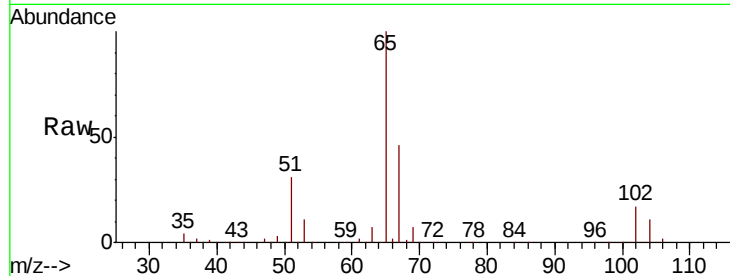




#33
 1,2-Dichloroethane-d4
 Concen: 54.217 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

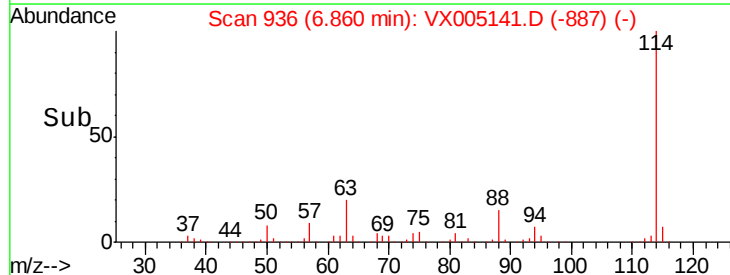
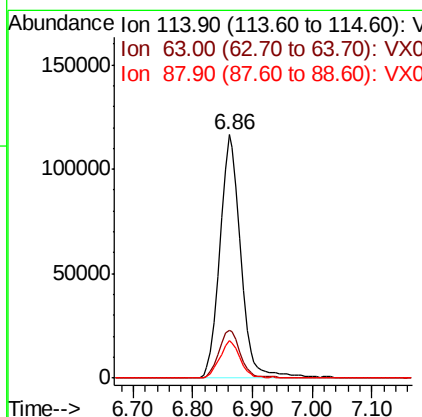
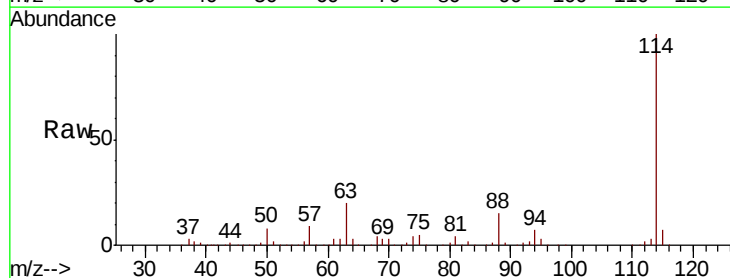
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

Tot Ion: 65 Resp: 149829
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion: 114 Resp: 285205
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 47.676 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

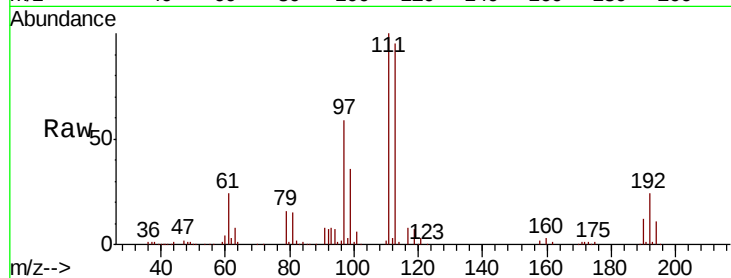
Tot Ion:113 Resp: 115240

Ion Ratio Lower Upper

113 100

111 101.9 77.0 115.4

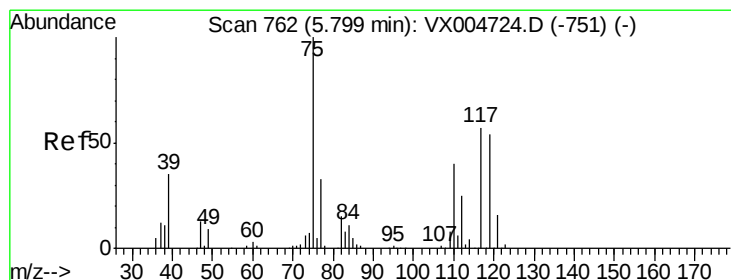
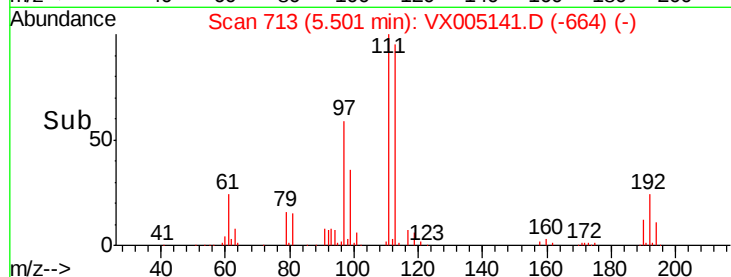
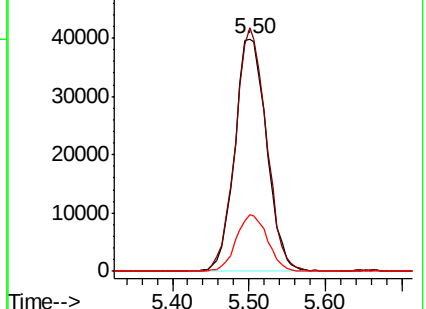
192 24.0 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.869 ug/l

RT: 5.79 min Scan# 760

Delta R.T. -0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

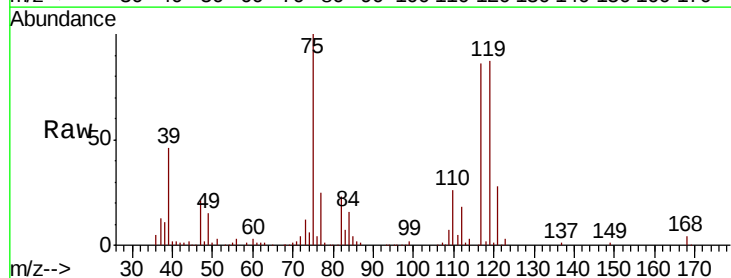
Tgt Ion: 75 Resp: 62228

Ion Ratio Lower Upper

75 100

110 33.0 20.0 59.9

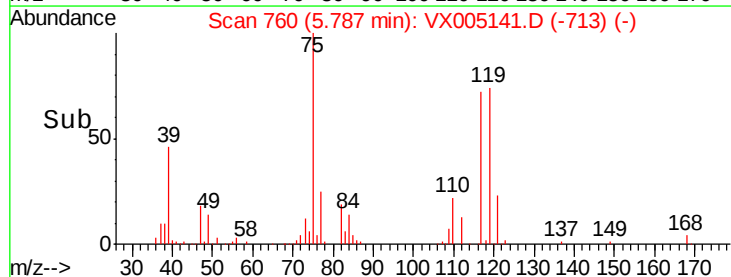
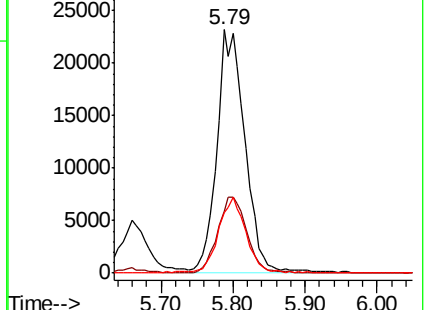
77 29.6 27.1 40.7

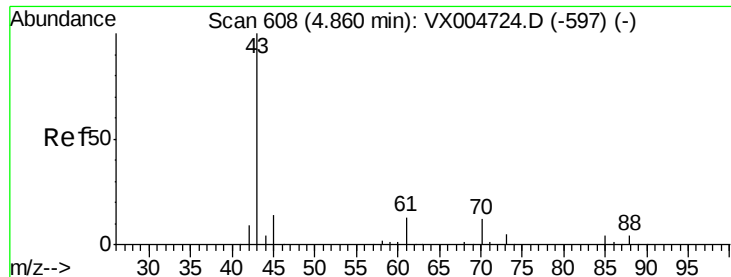


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.596 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

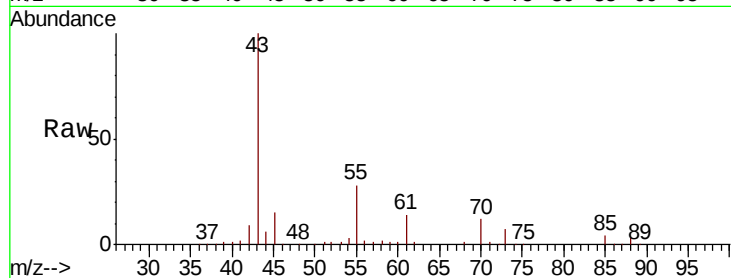
Tot Ion: 43 Resp: 85785

Ion Ratio Lower Upper

43 100

61 13.2 10.4 15.6

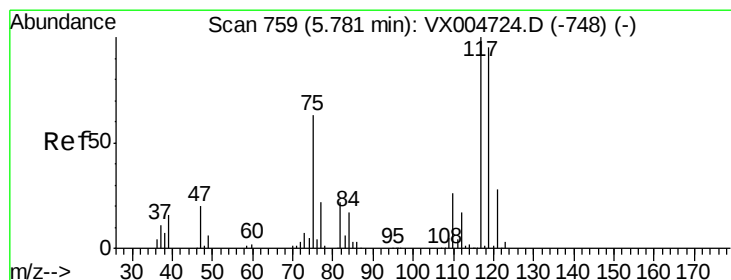
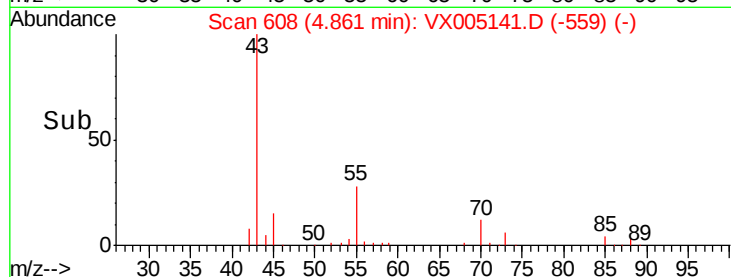
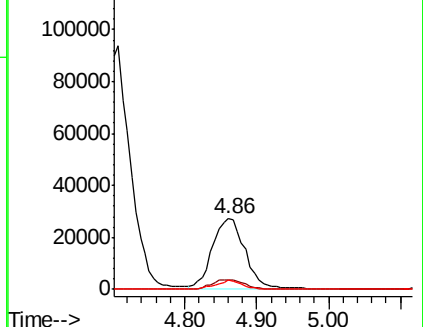
70 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX004724.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX004724.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 18.338 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

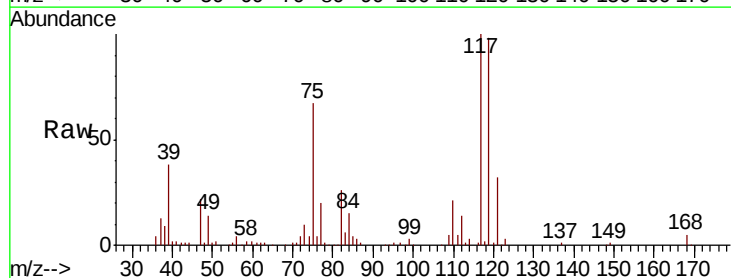
Tgt Ion: 117 Resp: 63571

Ion Ratio Lower Upper

117 100

119 97.7 75.2 112.8

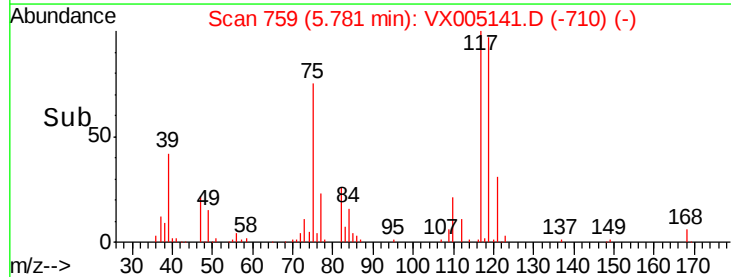
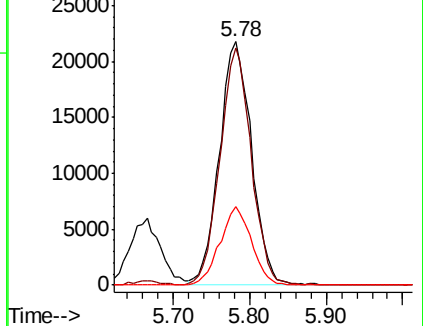
121 32.2 22.5 33.7

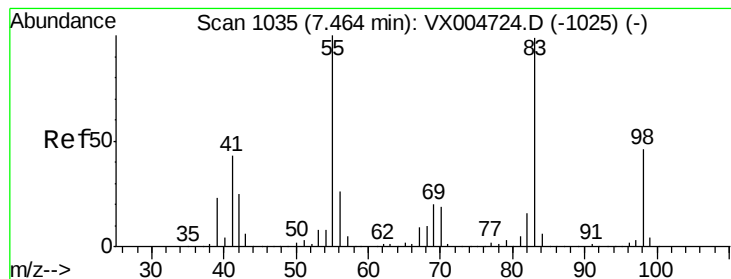


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX004724.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX004724.D (-748) (-)





#39

Methvlcvclohexane

Concen: 18.571 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

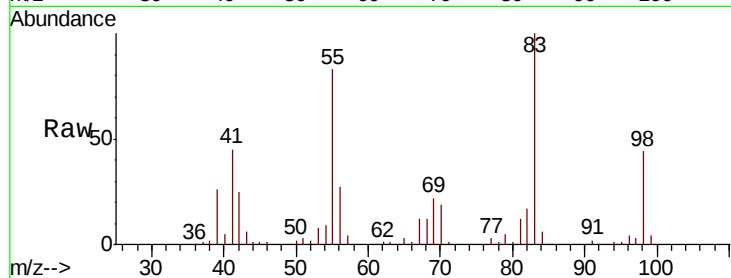
Tot Ion: 83 Resp: 62539

Ion Ratio Lower Upper

83 100

55 82.7 81.1 121.7

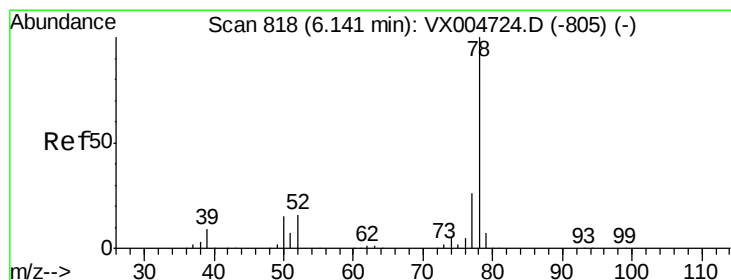
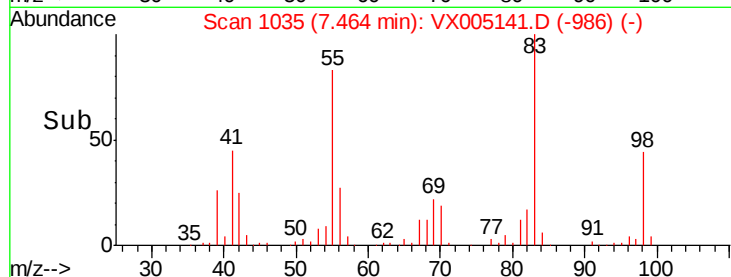
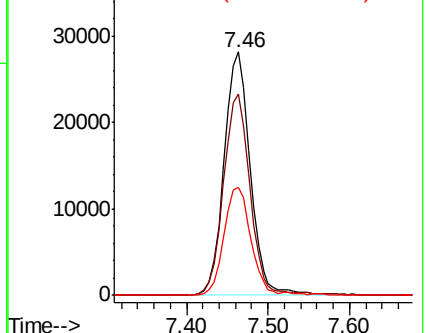
98 44.1 37.3 55.9



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: 18.496 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX005141.D

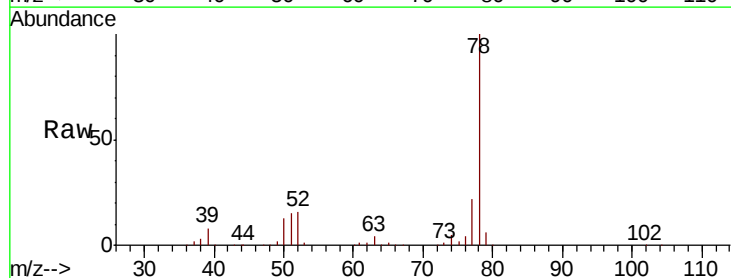
Acq: 08 Oct 2018 22:16

Tgt Ion: 78 Resp: 190960

Ion Ratio Lower Upper

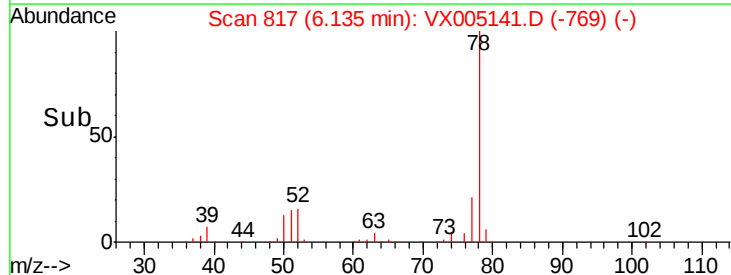
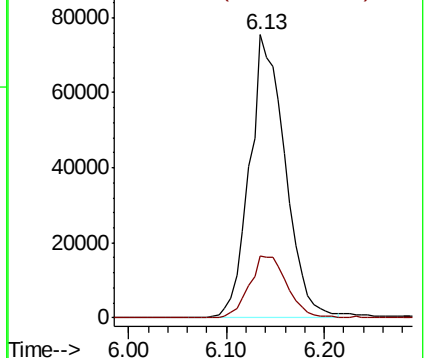
78 100

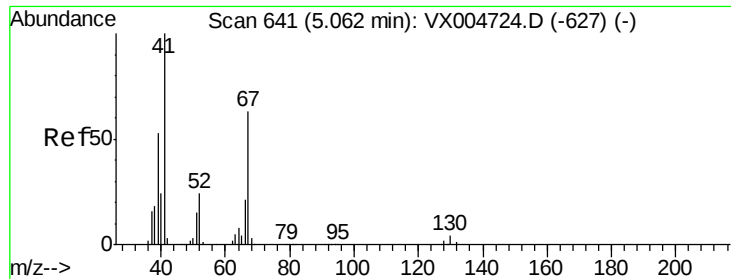
77 22.1 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

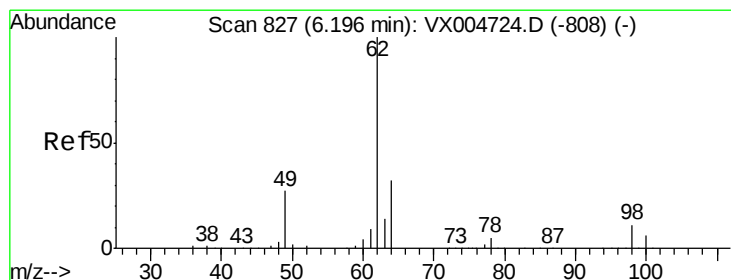
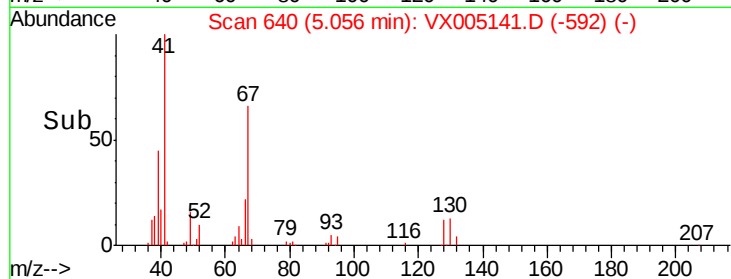
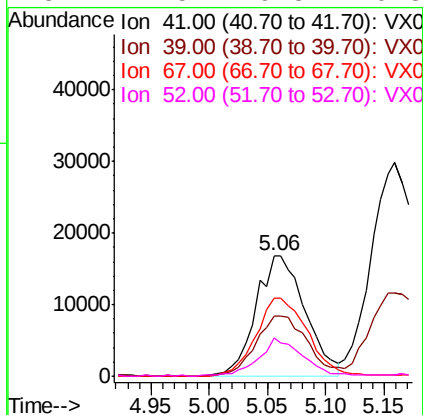
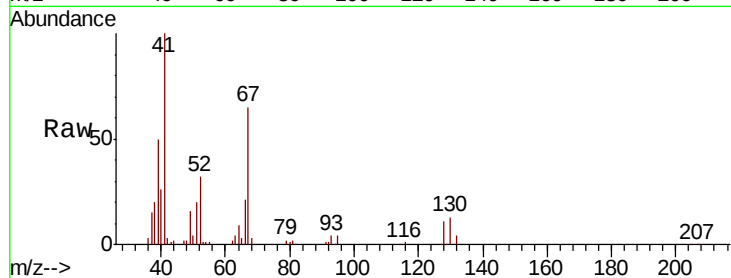




#41
Methacrylonitrile
Concen: 20.413 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

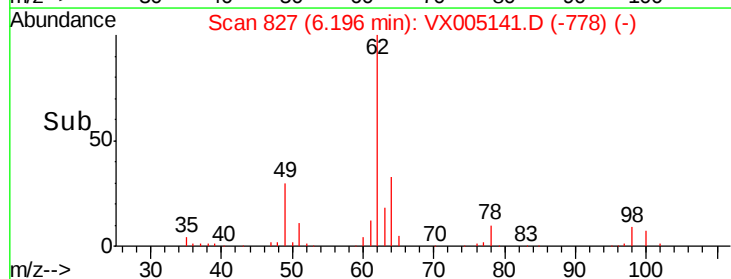
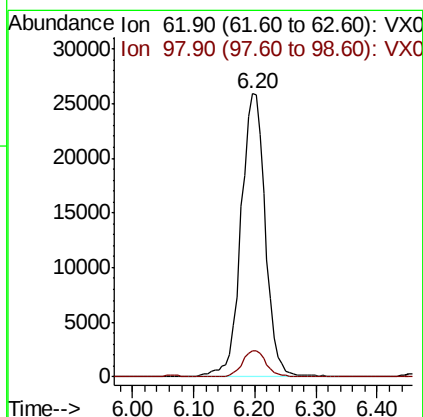
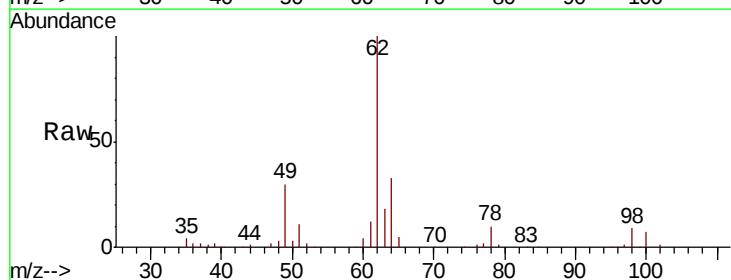
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

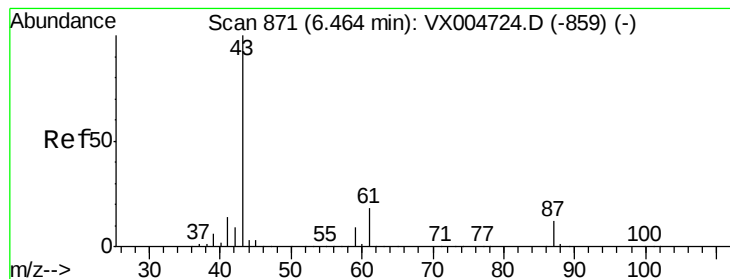
Tot Ion:	41	Resp:	49557
Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.5	63.7
67	68.0	53.0	79.6
52	27.5	19.8	29.8



#42
1,2-Dichloroethane
Concen: 19.474 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion:	62	Resp:	71076
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.242 ug/l

RT: 6.47 min Scan# 872

Delta R.T. 0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

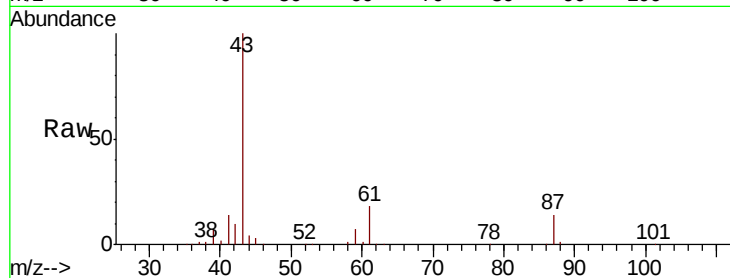
Tot Ion: 43 Resp: 121577

Ion Ratio Lower Upper

43 100

61 19.3 14.2 21.4

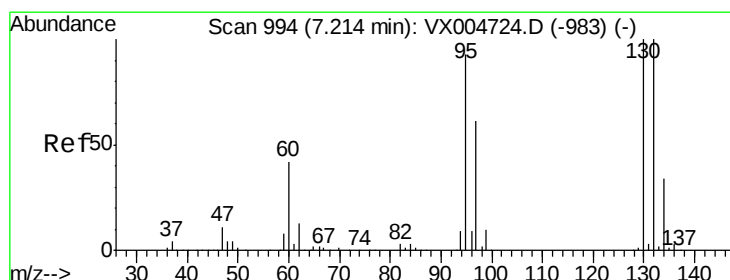
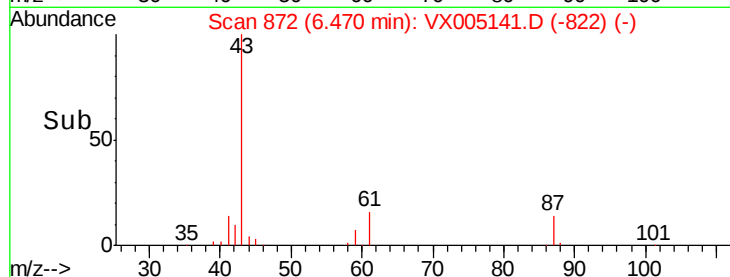
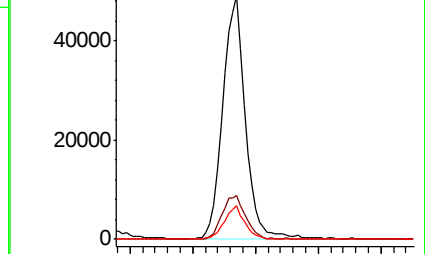
87 12.7 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX004724.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX004724.D (-859) (-)



#44

Trichloroethene

Concen: 19.510 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005141.D

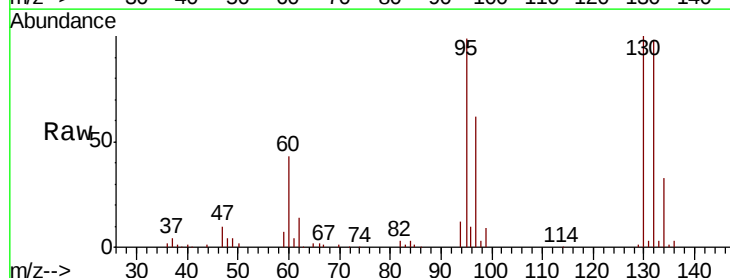
Acq: 08 Oct 2018 22:16

Tgt Ion:130 Resp: 49519

Ion Ratio Lower Upper

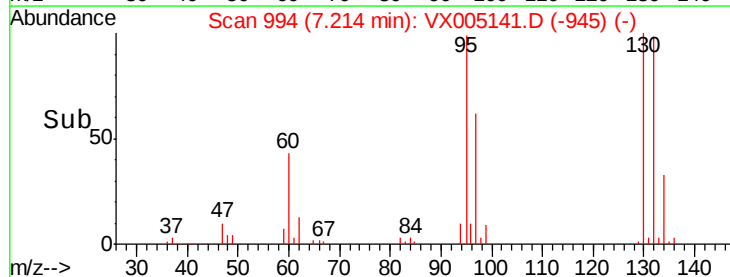
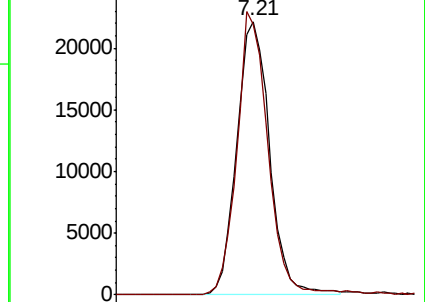
130 100

95 99.0 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): VX004724.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX004724.D (-983) (-)

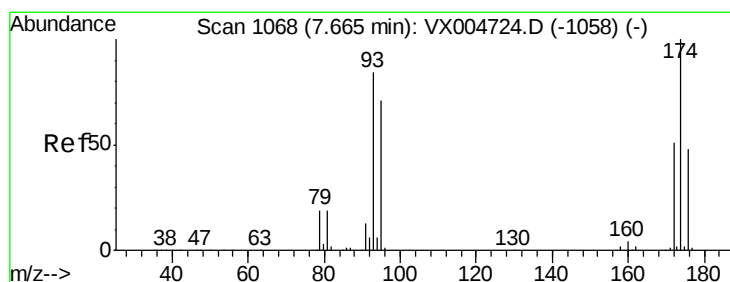
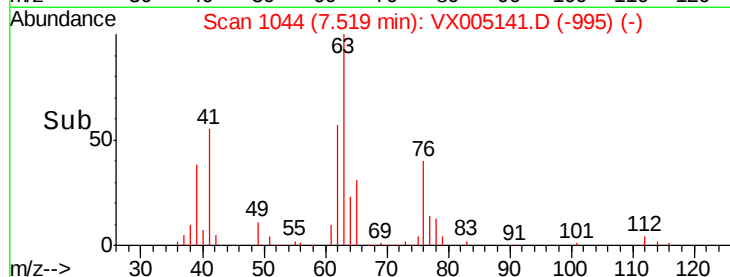
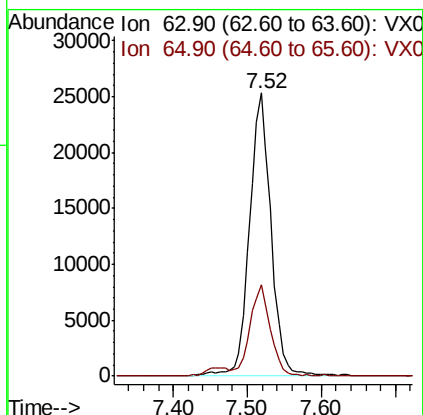
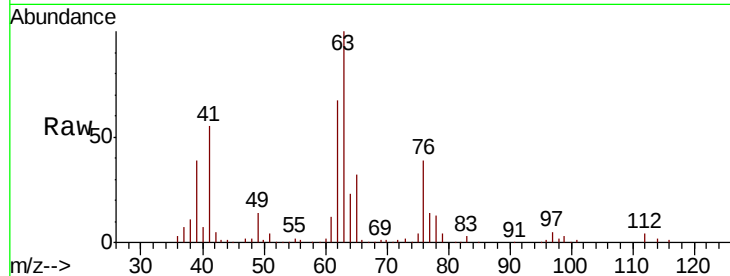




#45
 1,2-Dichloropropane
 Concen: 20.316 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

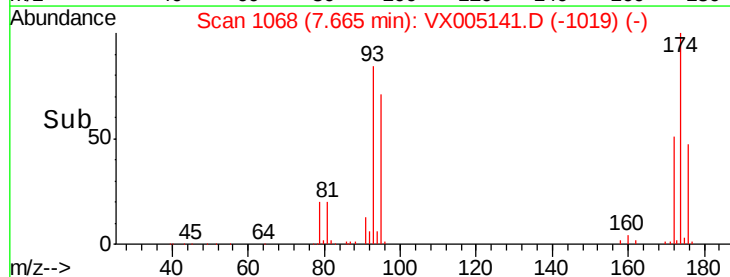
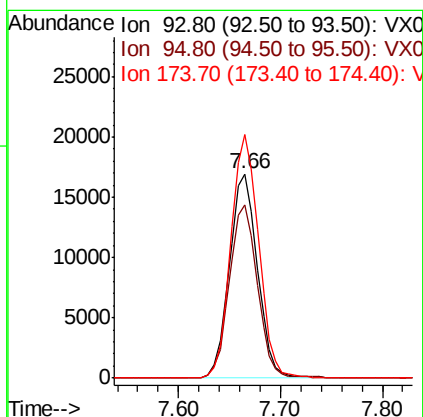
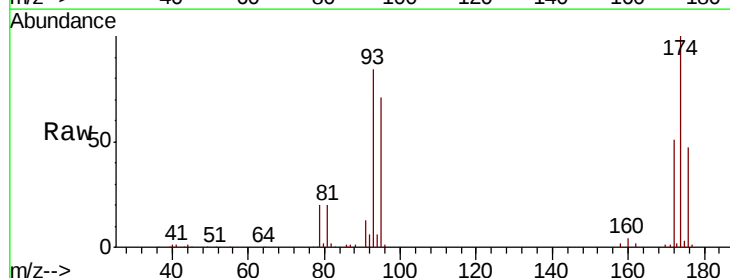
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

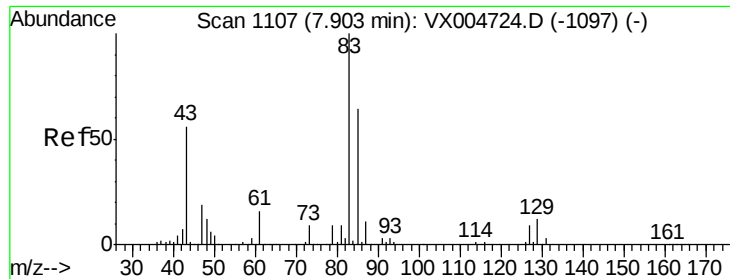
Tot Ion: 63 Resp: 51439
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.9 35.9



#46
 Dibromomethane
 Concen: 20.243 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion: 93 Resp: 32211
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 117.6 92.7 139.1





#47

Bromodichloromethane

Concen: 20.952 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

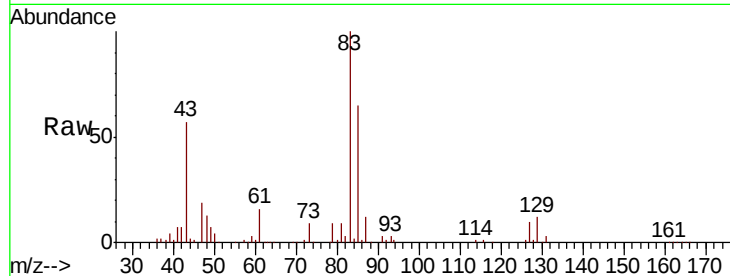
Tot Ion: 83 Resp: 62420

Ion Ratio Lower Upper

83 100

85 64.9 51.2 76.8

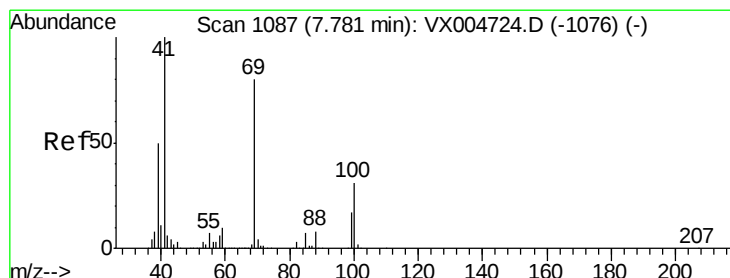
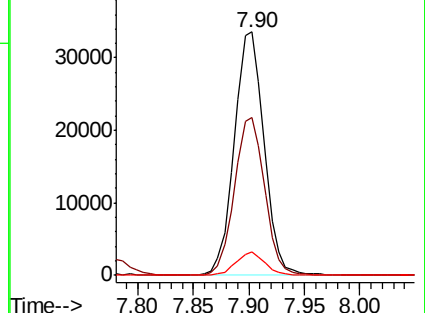
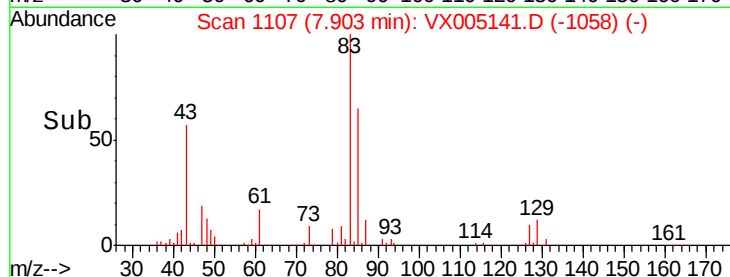
127 9.5 7.0 10.6



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: 21.494 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

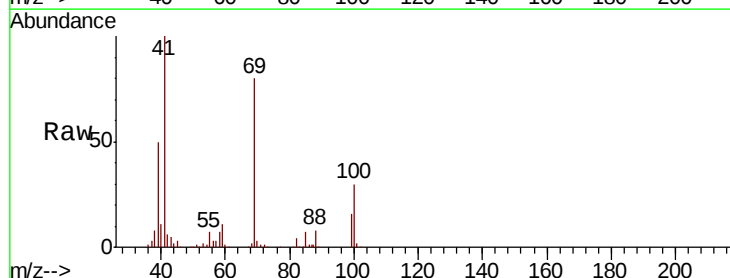
Tgt Ion: 41 Resp: 61642

Ion Ratio Lower Upper

41 100

69 80.7 63.8 95.6

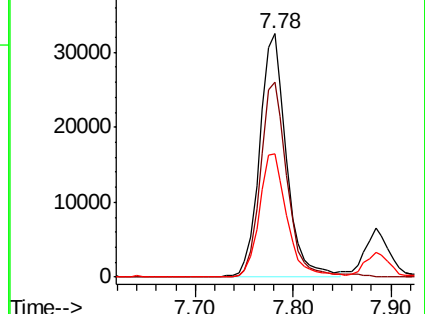
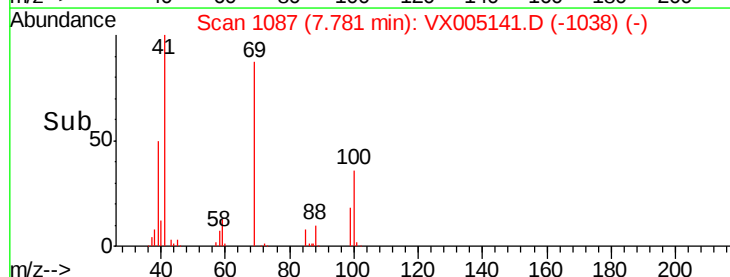
39 51.5 40.7 61.1

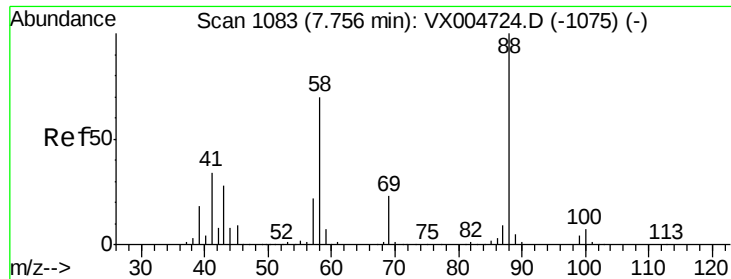


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

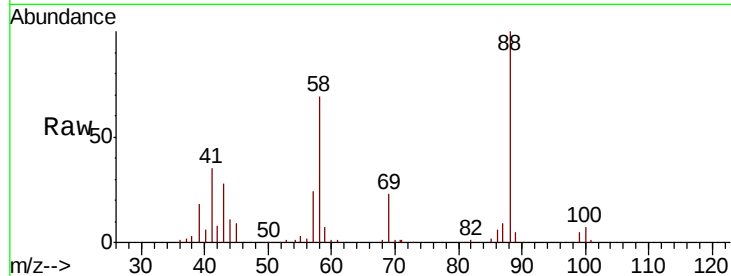




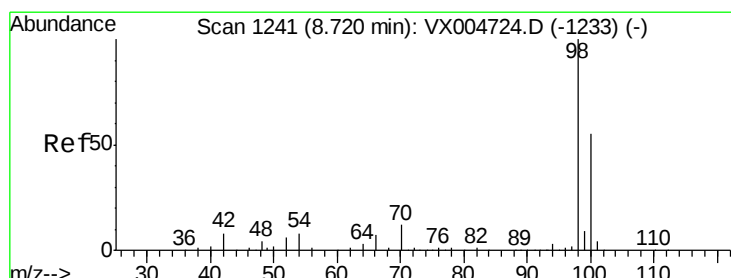
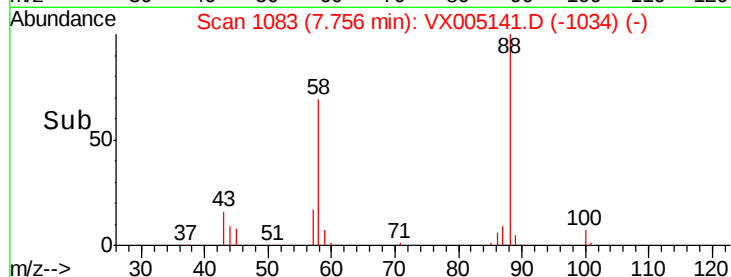
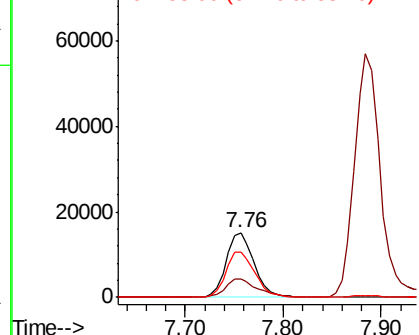
#49
1,4-Dioxane
Concen: 418.690 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

Tot Ion: 88 Resp: 29831
Ion Ratio Lower Upper
88 100
43 31.7 25.1 37.7
58 73.6 56.2 84.2

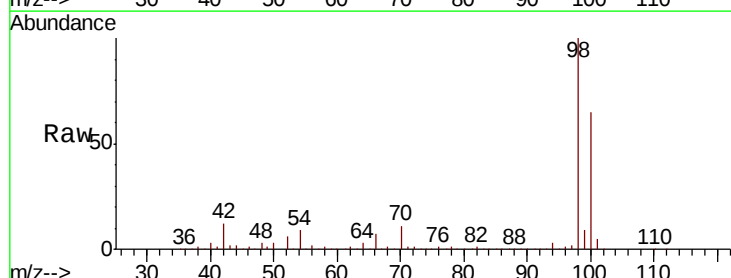


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

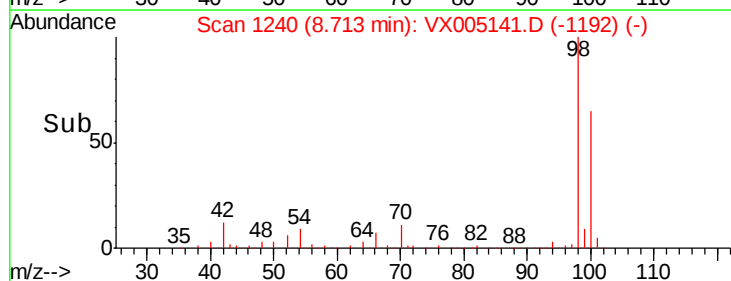
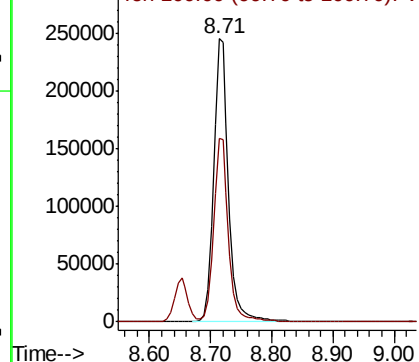


#50
Toluene-d8
Concen: 52.450 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 98 Resp: 421481
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



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

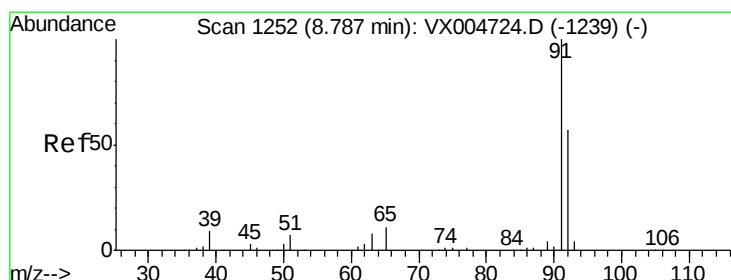
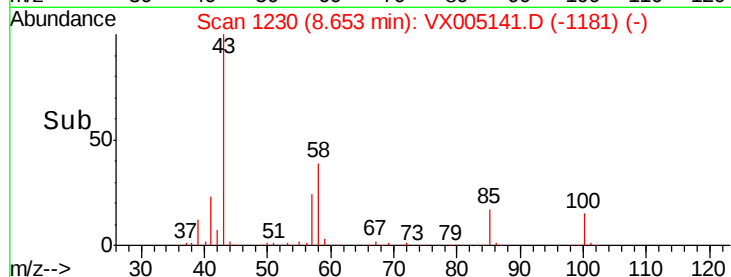
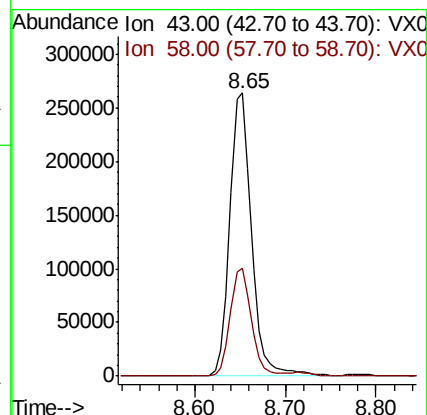
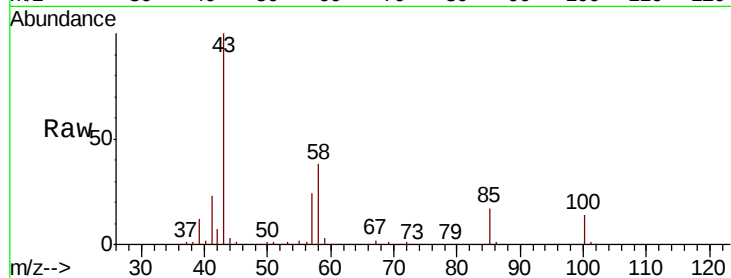




#51
4-Methyl-2-Pentanone
Concen: 110.771 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

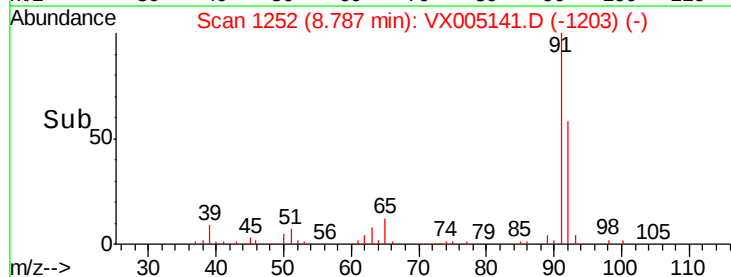
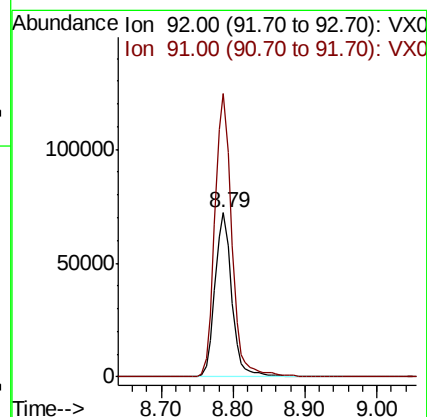
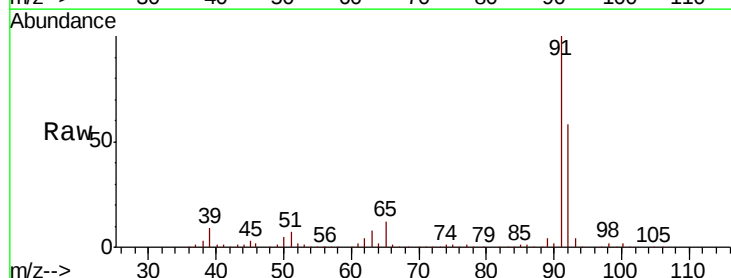
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

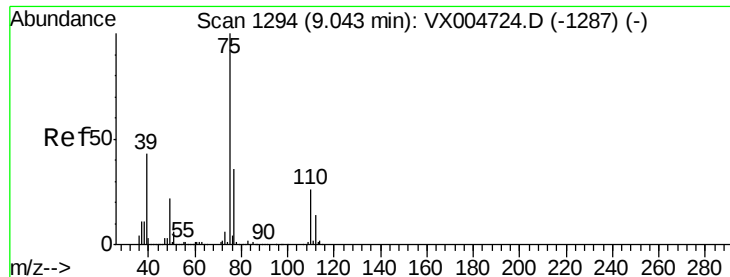
Tot Ion: 43 Resp: 440688
Ion Ratio Lower Upper
43 100
58 37.2 30.5 45.7



#52
Toluene
Concen: 20.604 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 92 Resp: 116894
Ion Ratio Lower Upper
92 100
91 174.4 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 18.911 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

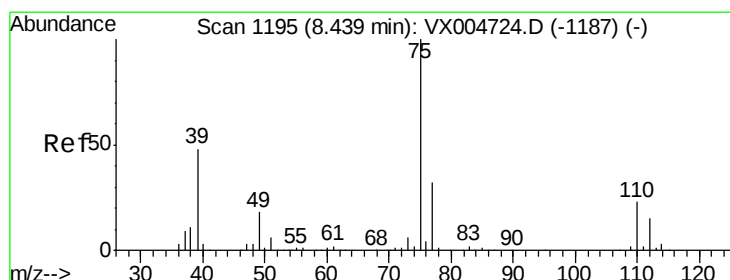
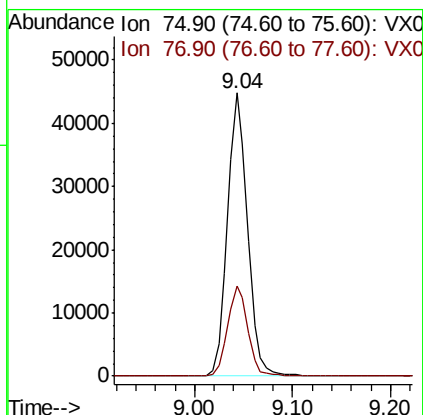
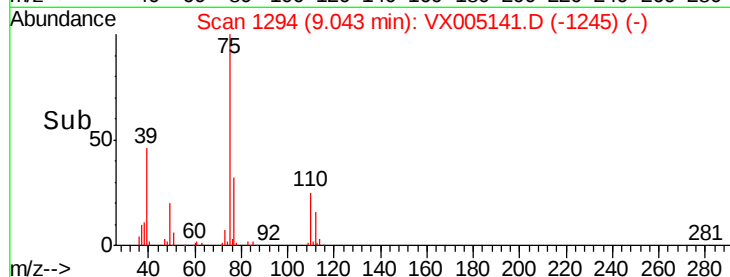
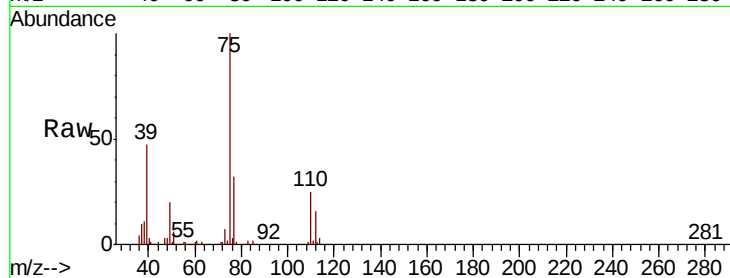
VX1008WBS02

Tot Ion: 75 Resp: 63667

Ion Ratio Lower Upper

75 100

77 32.0 28.9 43.3



#54

cis-1,3-Dichloropropene

Concen: 20.265 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

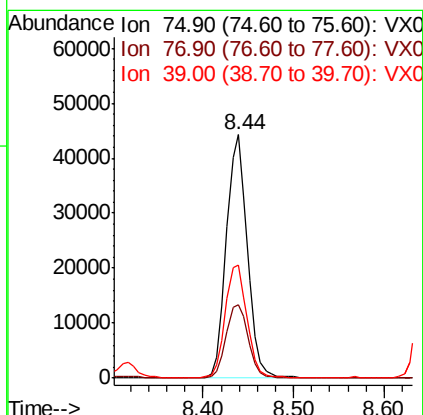
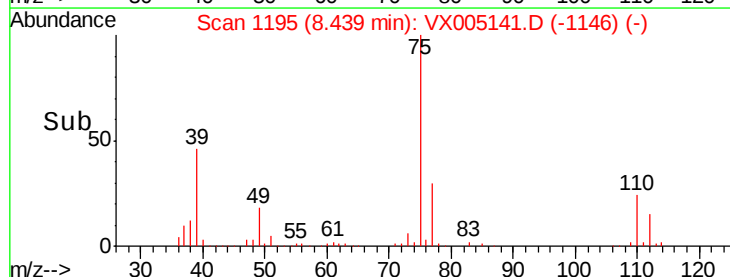
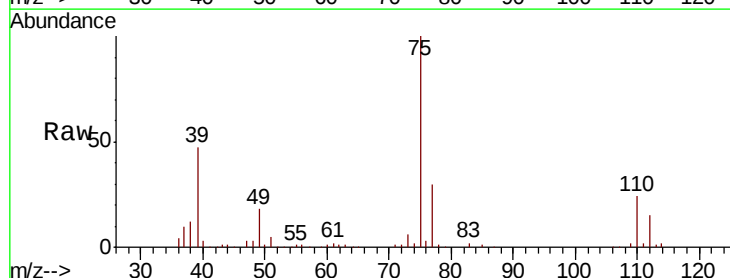
Tgt Ion: 75 Resp: 71459

Ion Ratio Lower Upper

75 100

77 30.2 25.7 38.5

39 46.4 38.3 57.5

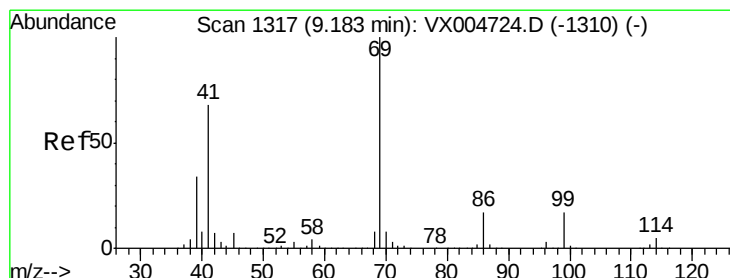
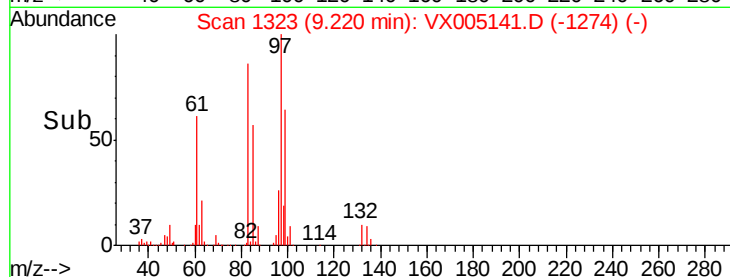
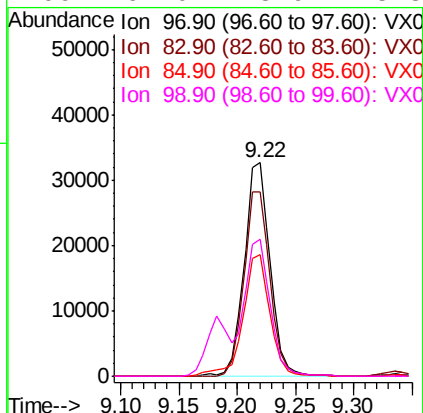
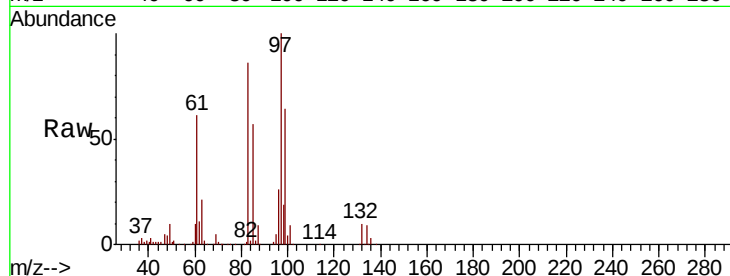




#55
 1,1,2-Trichloroethane
 Concen: 20.385 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

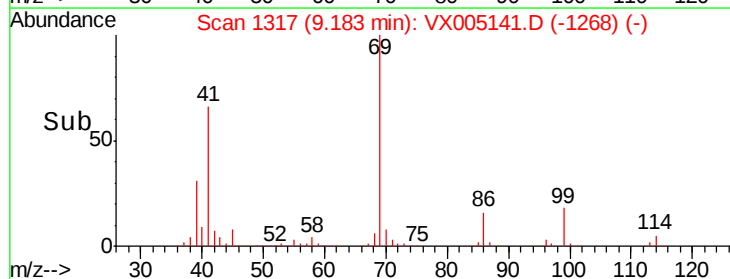
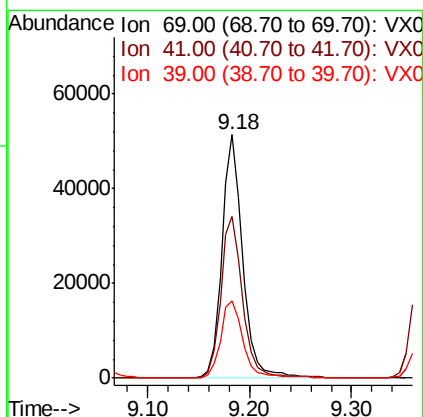
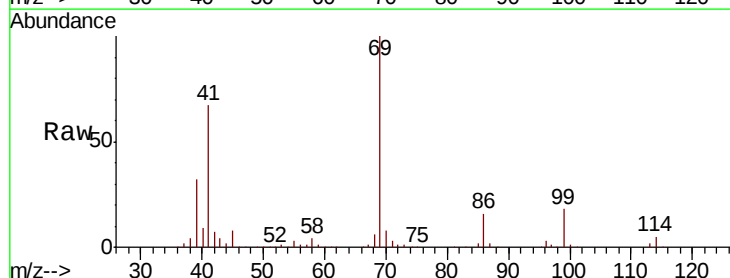
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

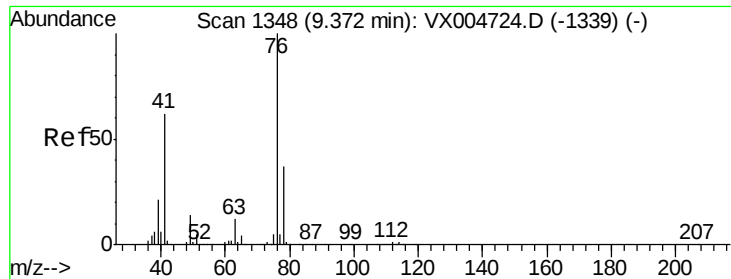
Tot Ion:	97	Resp:	50659
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.2	102.2
85	56.8	49.9	74.9
99	64.0	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 19.870 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion:	69	Resp:	72749
Ion	Ratio	Lower	Upper
69	100		
41	69.6	56.9	85.3
39	33.8	28.4	42.6





#57

1,3-Dichloropropane

Concen: 20.069 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

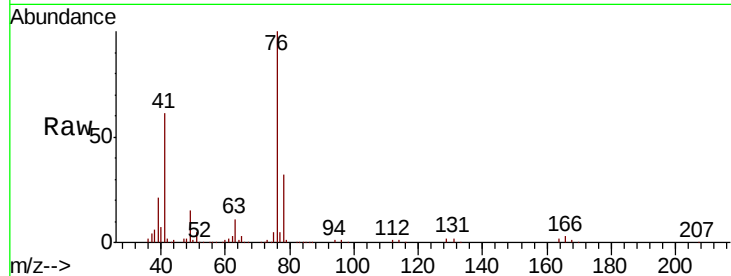
VX1008WBS02

Tot Ion: 76 Resp: 83003

Ion Ratio Lower Upper

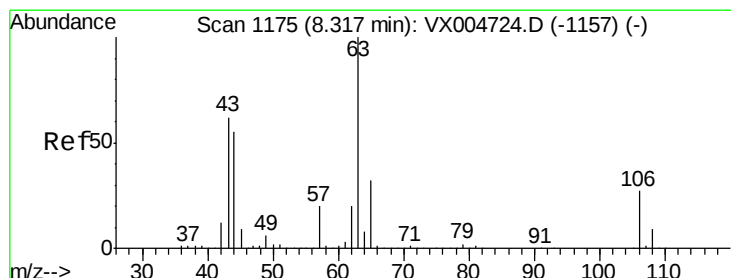
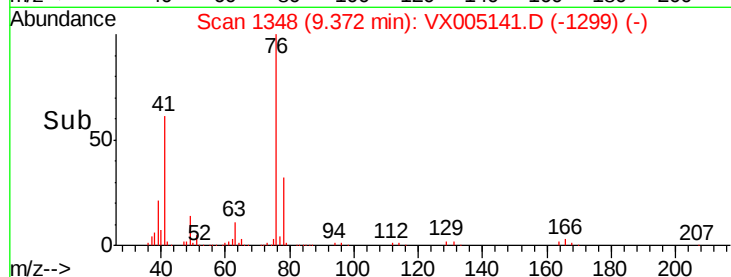
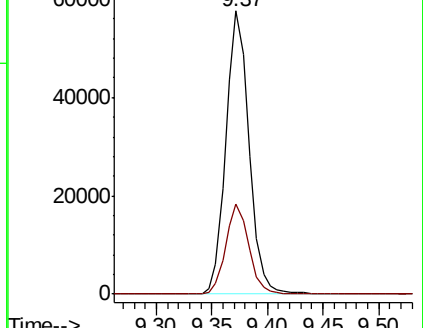
76 100

78 31.6 26.6 40.0



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: 107.666 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005141.D

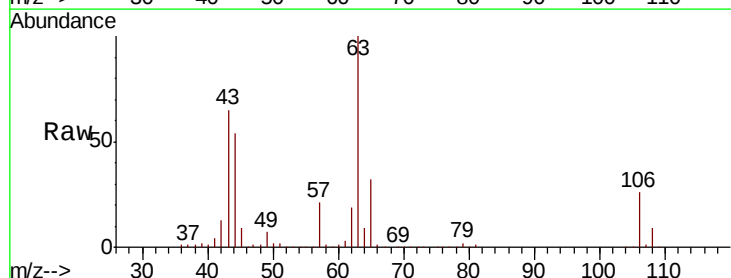
Acq: 08 Oct 2018 22:16

Tgt Ion: 63 Resp: 212127

Ion Ratio Lower Upper

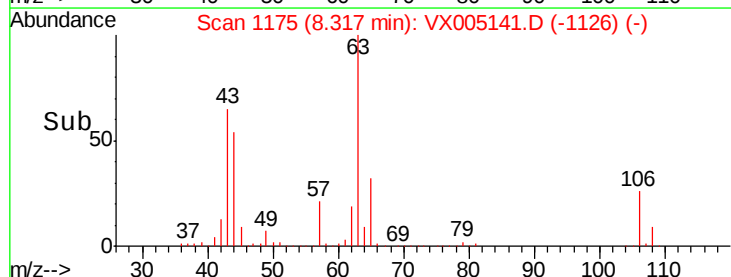
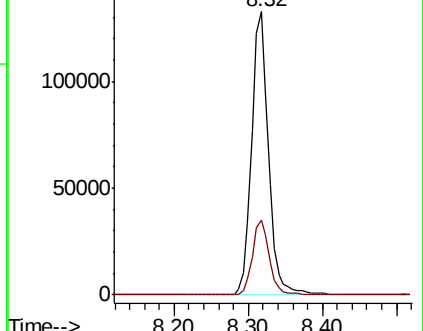
63 100

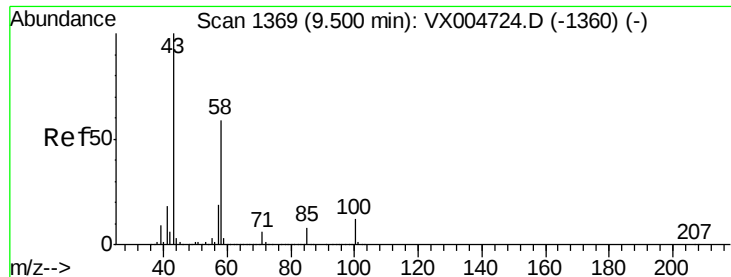
106 26.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

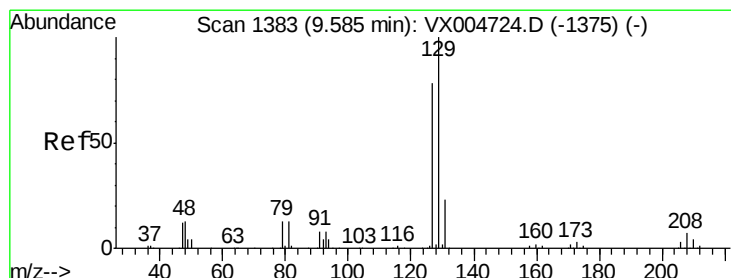
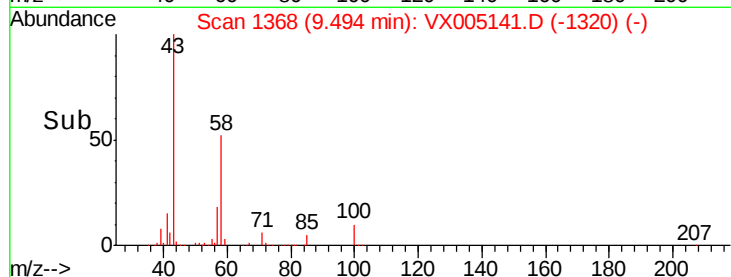
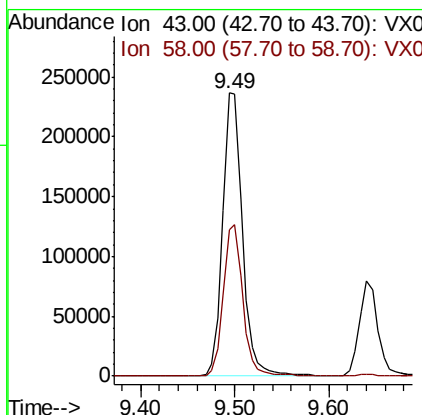
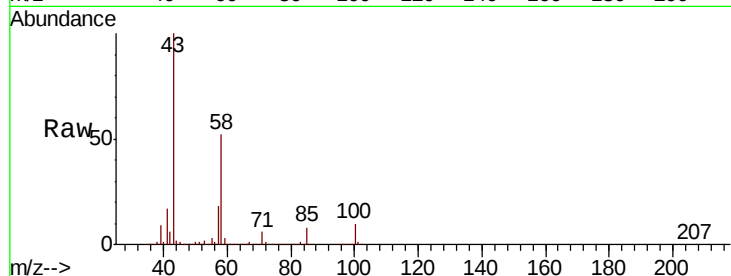




#59
2-Hexanone
Concen: 104.453 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

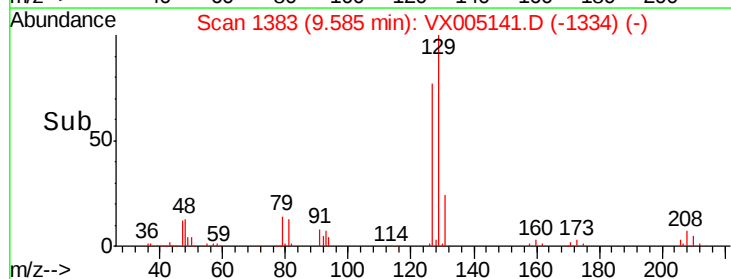
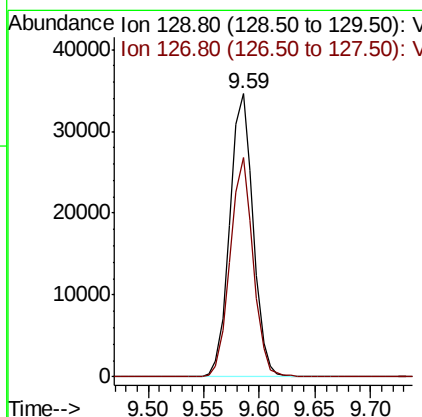
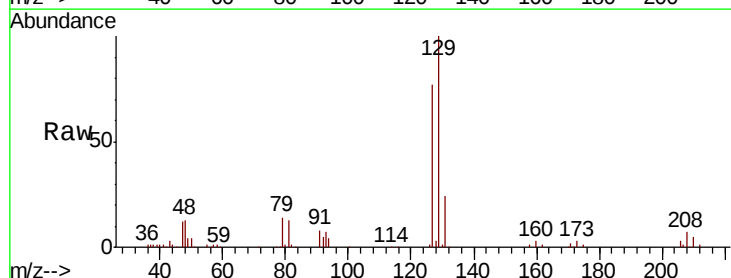
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

Tot Ion: 43 Resp: 346289
Ion Ratio Lower Upper
43 100
58 52.6 28.4 85.3



#60
Dibromochloromethane
Concen: 20.273 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 129 Resp: 50383
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.2

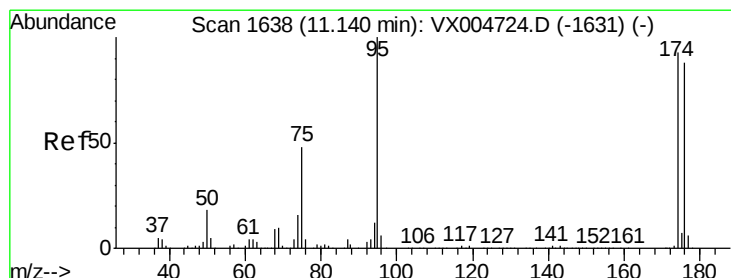
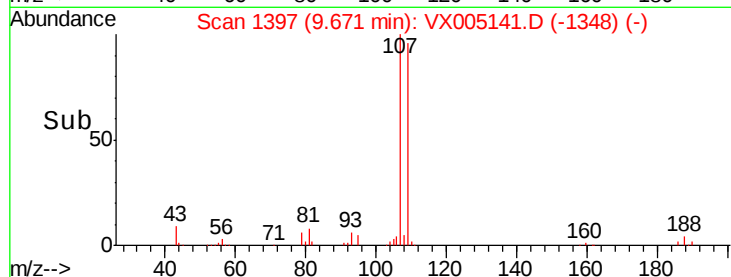
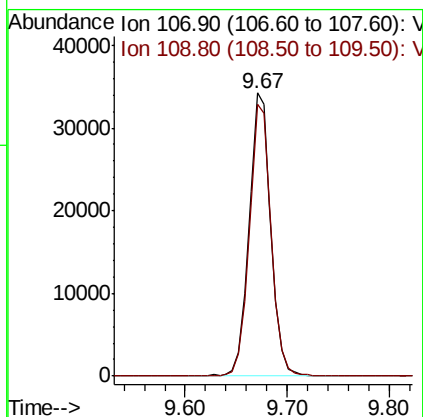
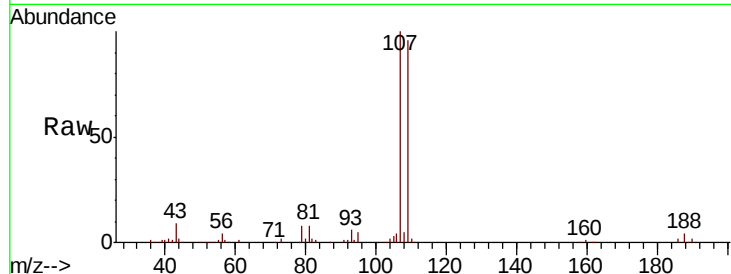




#61
 1,2-Dibromoethane
 Concen: 19.055 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

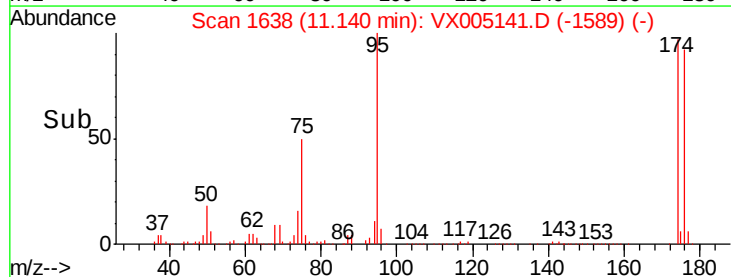
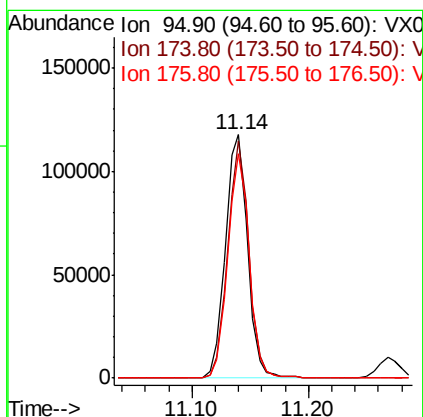
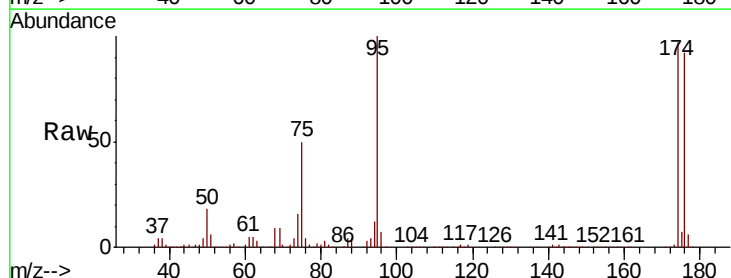
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

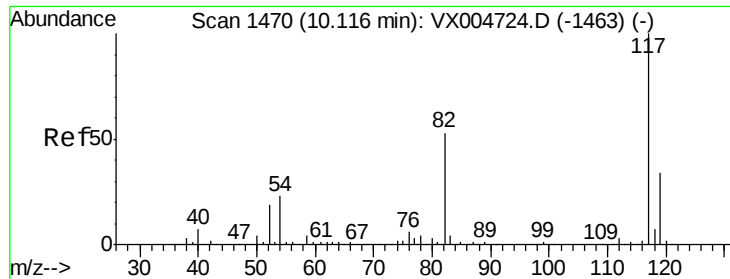
Tot Ion:107 Resp: 50712
 Ion Ratio Lower Upper
 107 100
 109 96.7 72.1 108.1



#62
 4-Bromofluorobenzene
 Concen: 53.572 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion: 95 Resp: 155089
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 185.0
 176 89.6 0.0 180.2

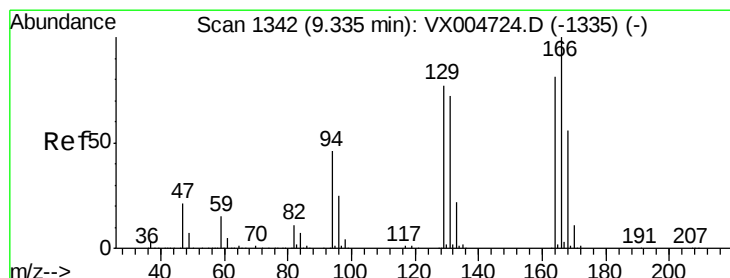
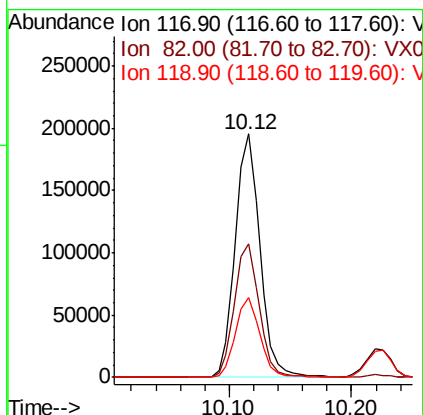
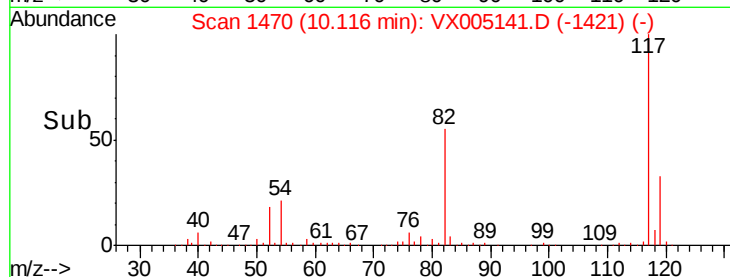
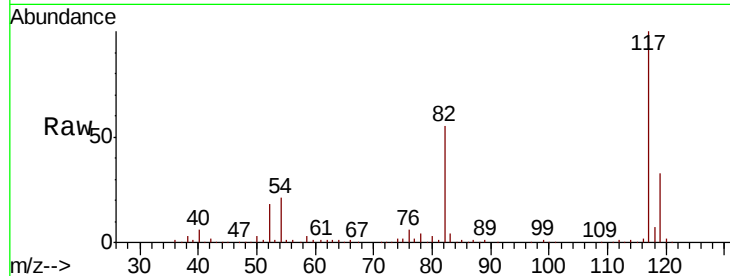




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

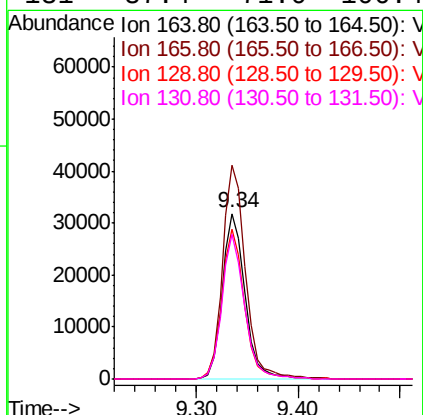
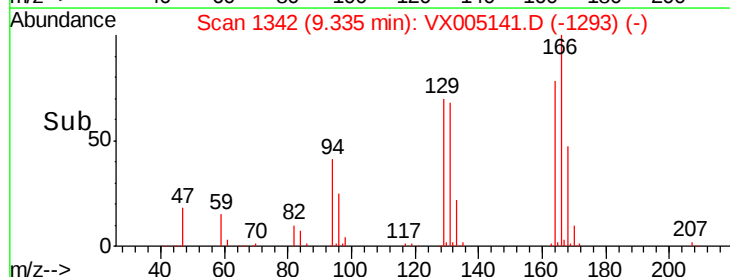
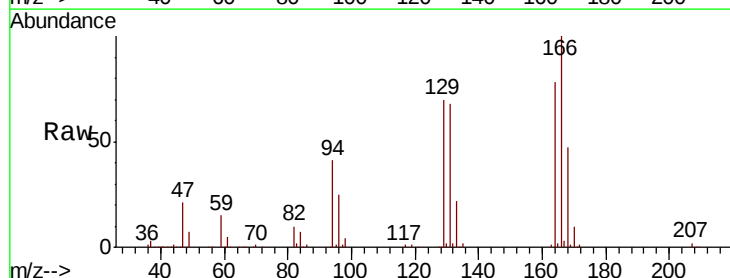
Instrument :
MSVOA_X
ClientSampled :
VX1008WBS02

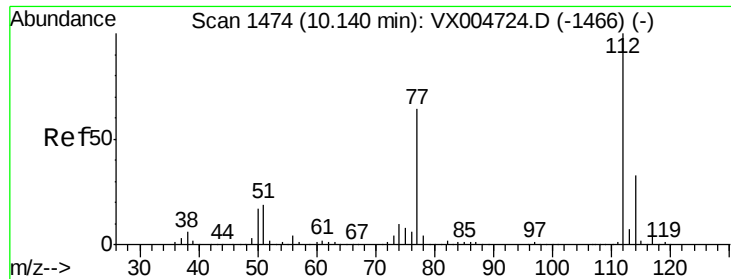
Tot Ion:117 Resp: 273601
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.4
119 32.8 27.4 41.0



#64
Tetrachloroethene
Concen: 18.287 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion:164 Resp: 49243
Ion Ratio Lower Upper
164 100
166 129.0 98.4 147.6
129 90.5 76.1 114.1
131 87.4 71.0 106.4

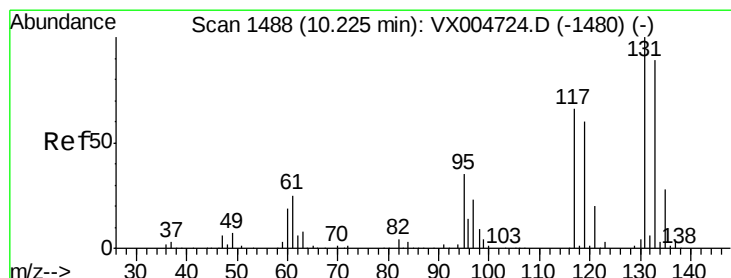
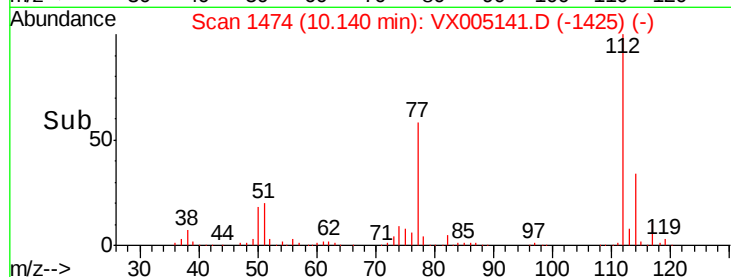
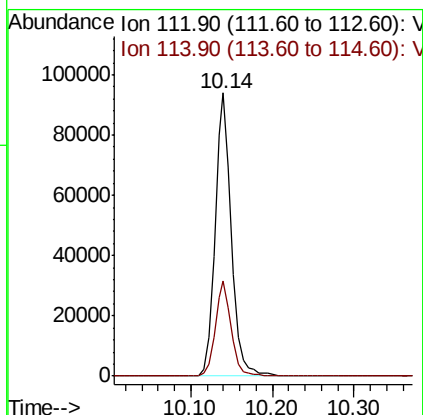
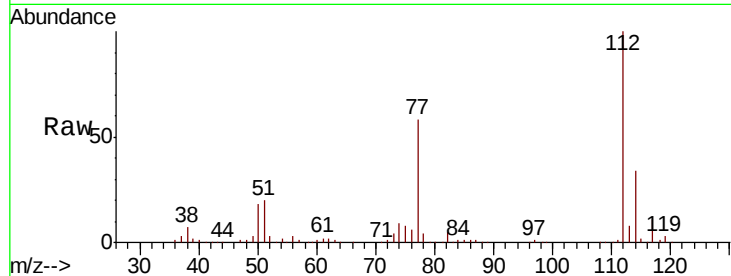




#65
Chlorobenzene
Concen: 18.806 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

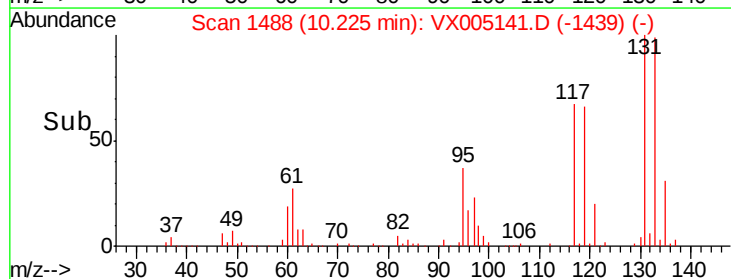
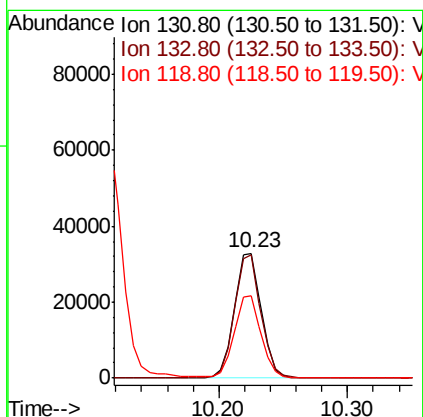
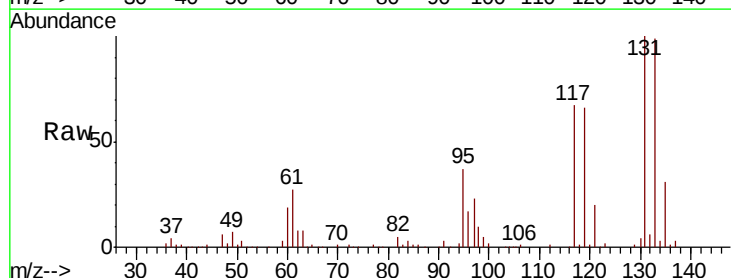
Instrument :
MSVOA_X
ClientSampled :
VX1008WBS02

Tot Ion:112 Resp: 131938
Ion Ratio Lower Upper
112 100
114 33.6 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.370 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion:131 Resp: 47776
Ion Ratio Lower Upper
131 100
133 96.9 48.4 145.0
119 66.2 32.3 96.8

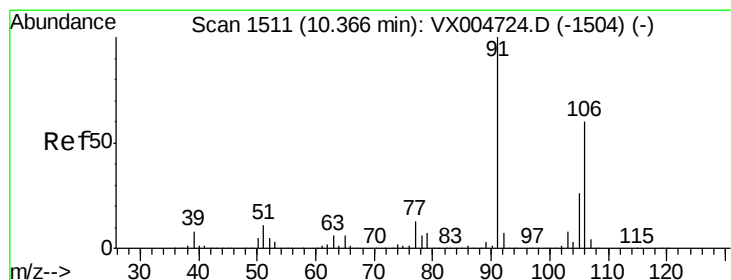
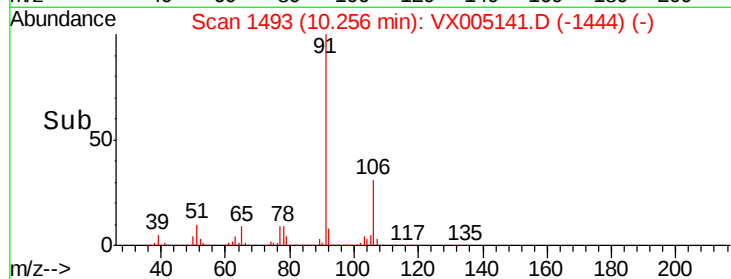
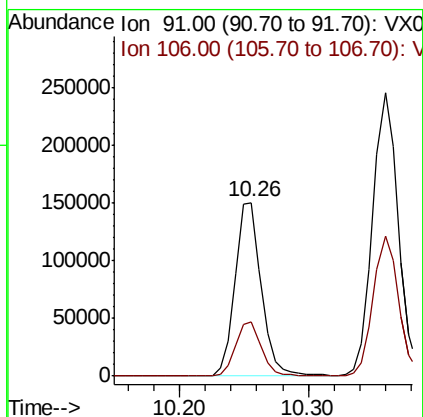
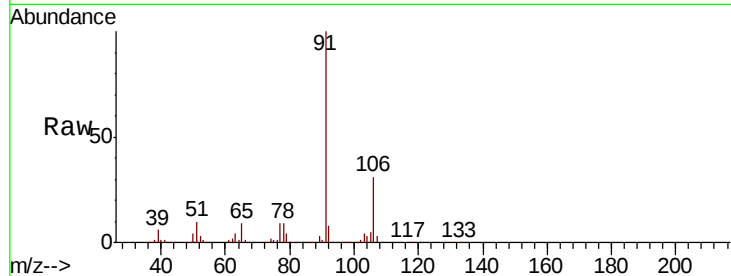




#67
Ethyl Benzene
Concen: 19.346 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

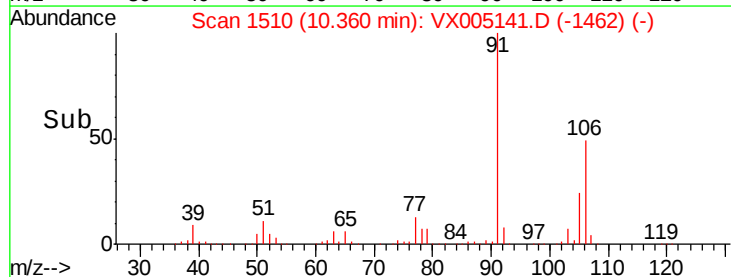
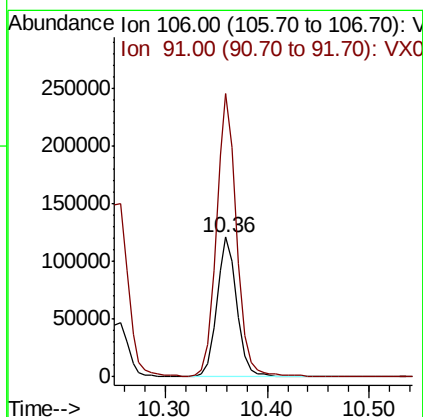
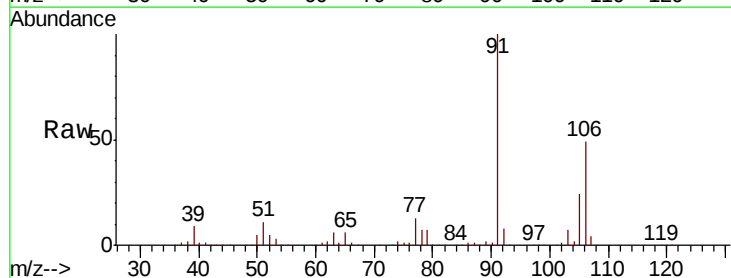
Instrument :
MSVOA_X
ClientSampled :
VX1008WBS02

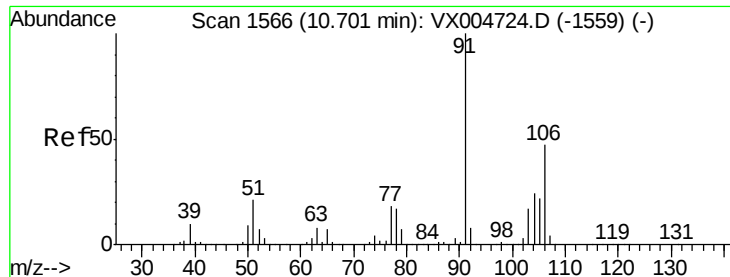
Tot Ion: 91 Resp: 215483
Ion Ratio Lower Upper
91 100
106 31.0 26.9 40.3



#68
m/p-Xylenes
Concen: 38.527 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 106 Resp: 167696
Ion Ratio Lower Upper
106 100
91 203.9 157.5 236.3

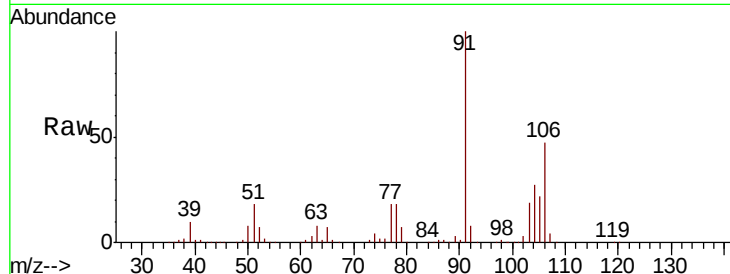




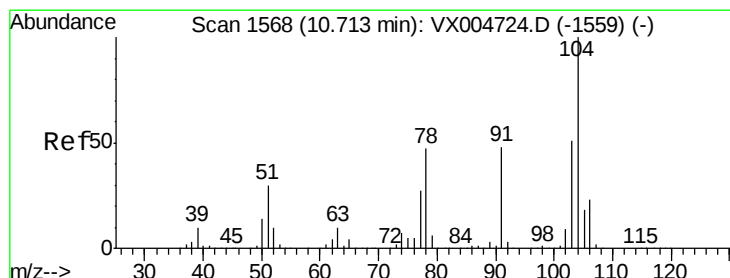
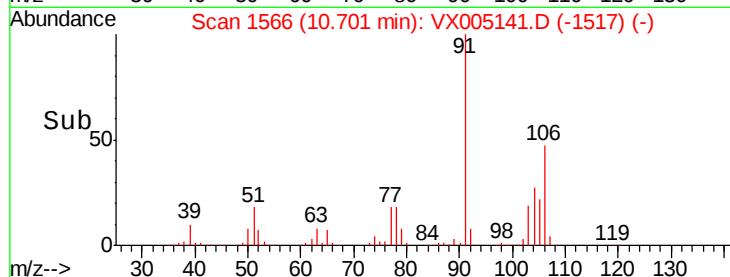
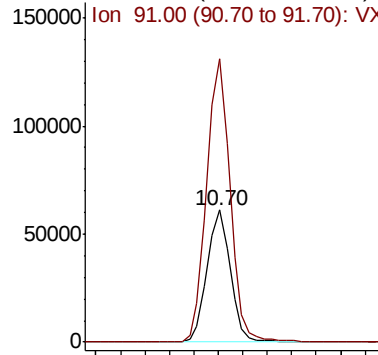
#69
o-Xylene
Concen: 20.093 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Instrument :
MSVOA_X
ClientSampled :
VX1008WBS02

Tot Ion:106 Resp: 80330
Ion Ratio Lower Upper
106 100
91 217.4 108.3 324.8

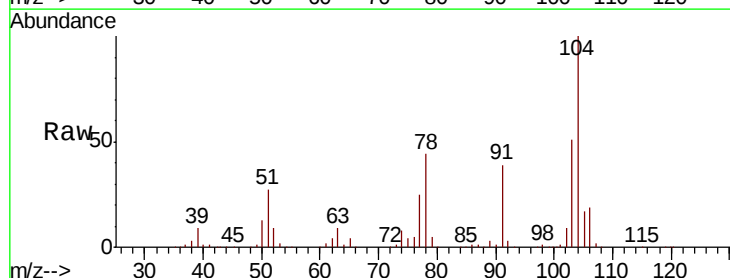


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

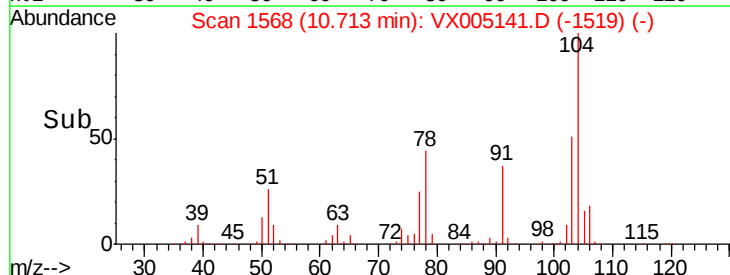
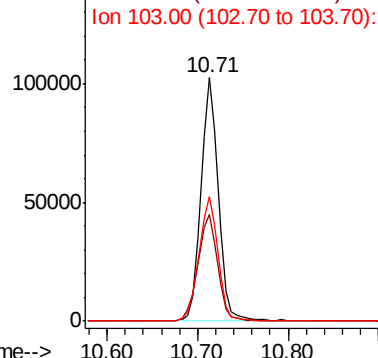


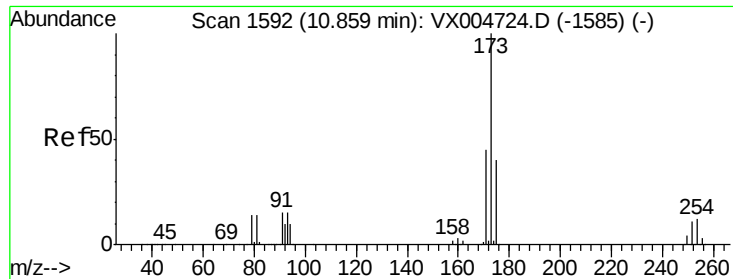
#70
Styrene
Concen: 19.629 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion:104 Resp: 136615
Ion Ratio Lower Upper
104 100
78 50.0 40.0 60.0
103 56.5 44.3 66.5



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: 18.947 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

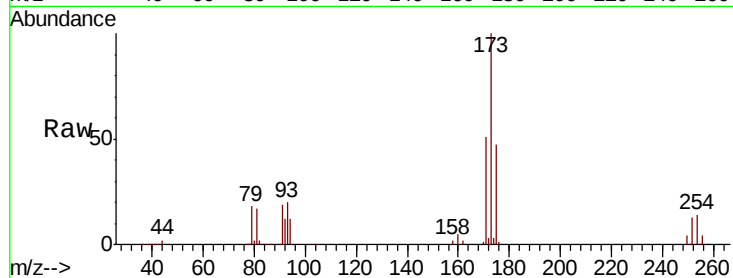
Tot Ion:173 Resp: 40010

Ion Ratio Lower Upper

173 100

175 48.2 23.3 69.8

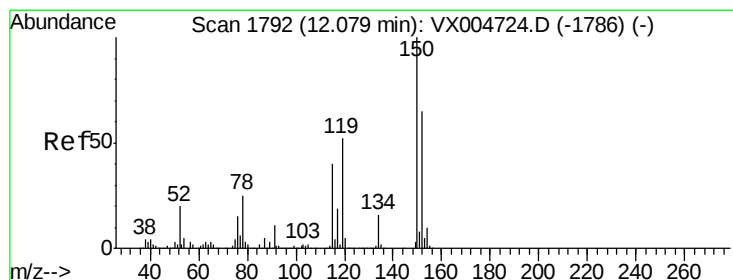
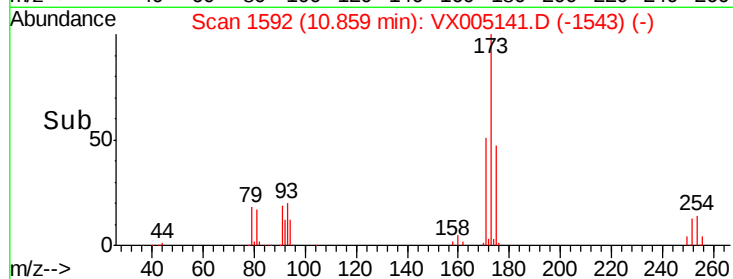
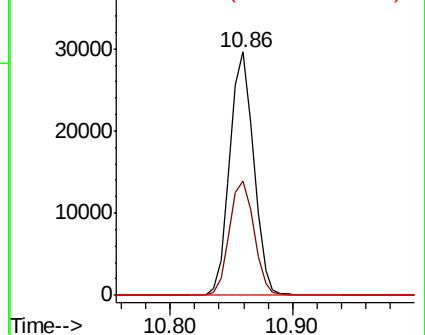
254 0.1 0.2 0.2#



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: VX005141.D

Acq: 08 Oct 2018 22:16

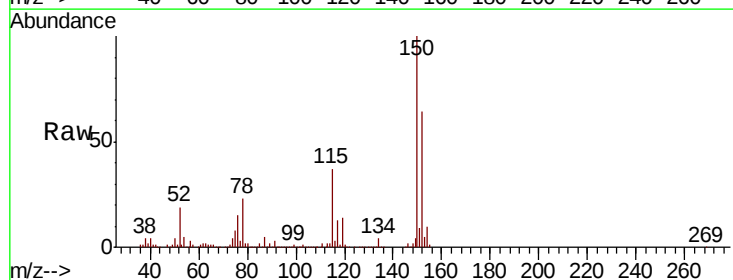
Tgt Ion:152 Resp: 168574

Ion Ratio Lower Upper

152 100

115 64.5 40.2 120.6

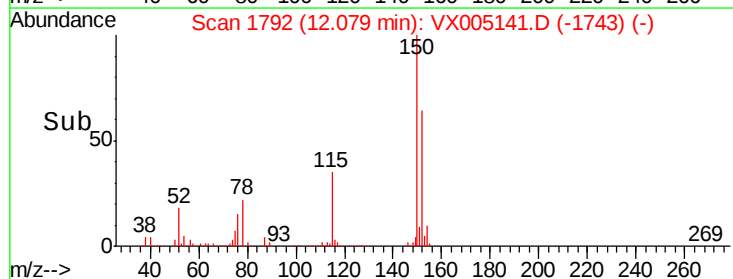
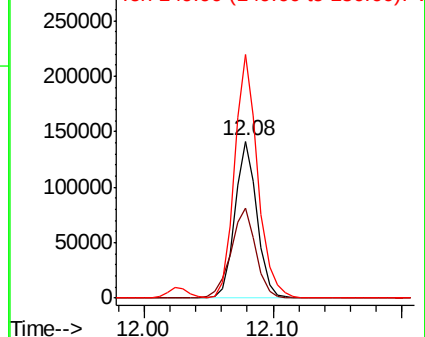
150 163.0 0.0 351.0

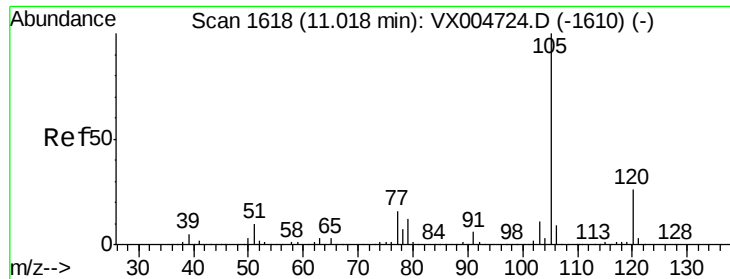


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.896 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

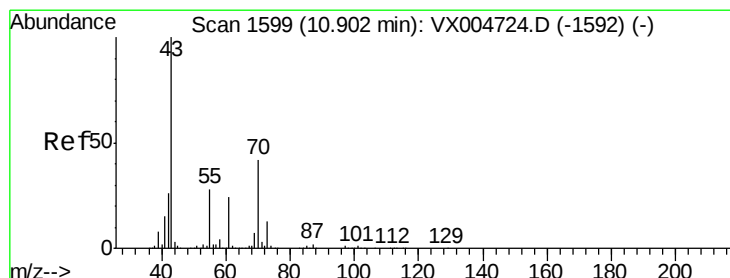
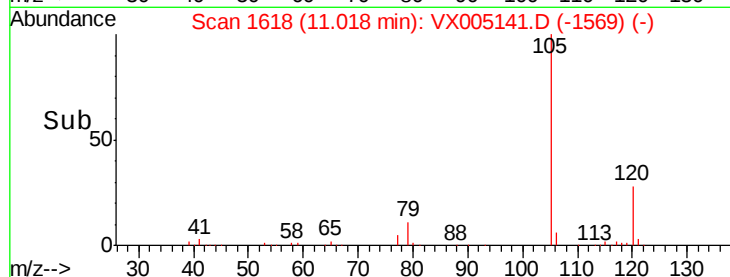
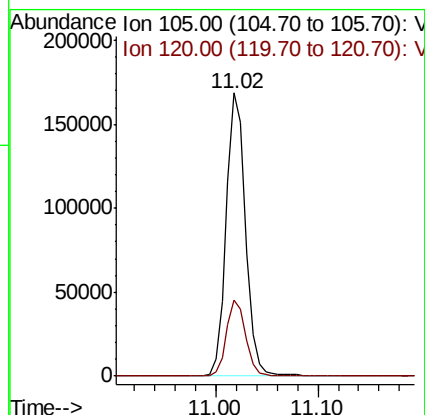
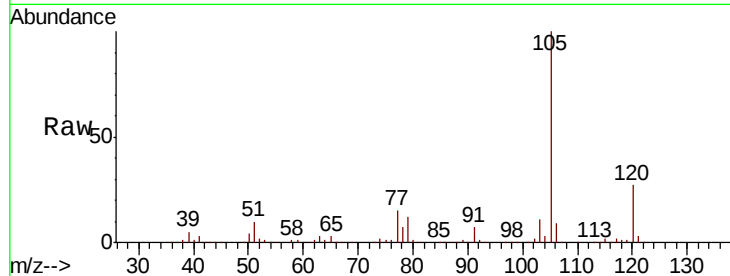
VX1008WBS02

Tot Ion: 105 Resp: 222025

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



#74

N-ethyl acetate

Concen: 18.711 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Tgt Ion: 43 Resp: 102654

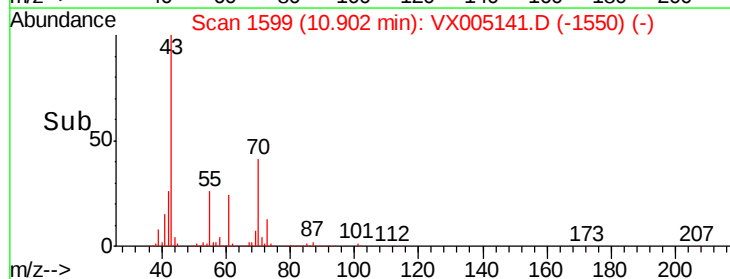
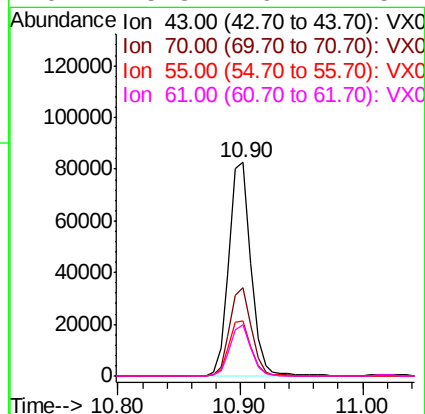
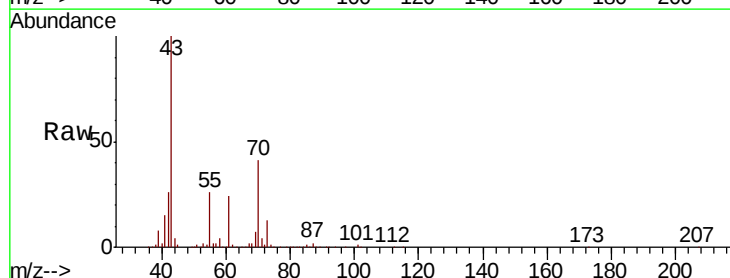
Ion Ratio Lower Upper

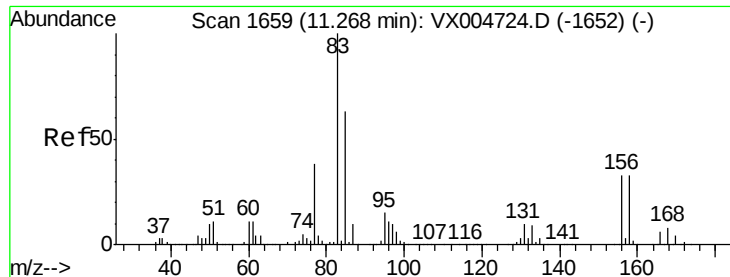
43 100

70 40.9 32.6 48.8

55 26.1 21.6 32.4

61 23.3 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.893 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

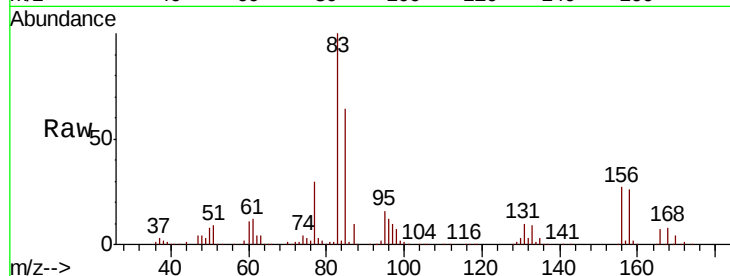
Tot Ion: 83 Resp: 81716

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

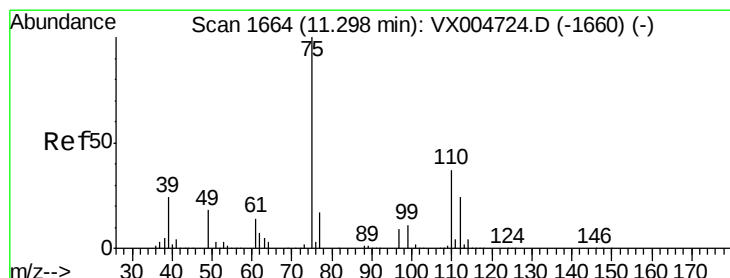
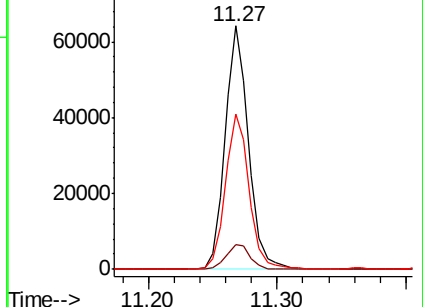
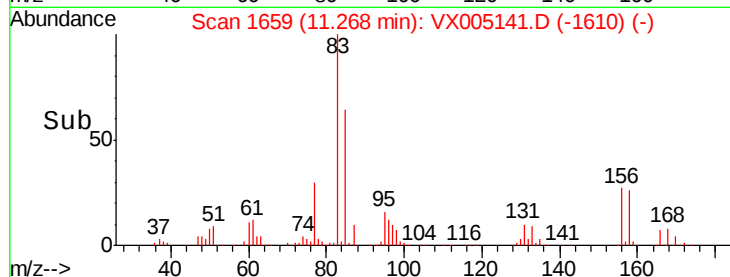
85 65.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX005141.D (-1610) (-)

Ion 130.80 (130.50 to 131.50): VX005141.D (-1610) (-)

Ion 84.90 (84.60 to 85.60): VX005141.D (-1610) (-)



#76

1,2,3-Trichloropropane

Concen: 24.661 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005141.D

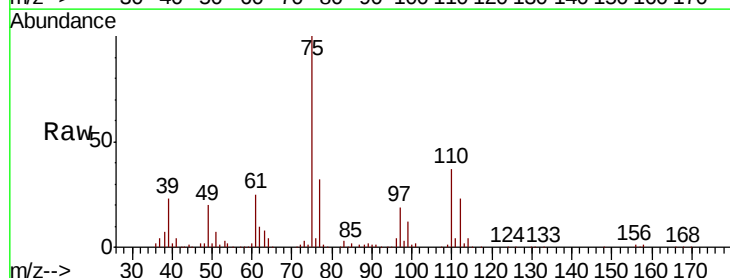
Acq: 08 Oct 2018 22:16

Tgt Ion: 75 Resp: 93177

Ion Ratio Lower Upper

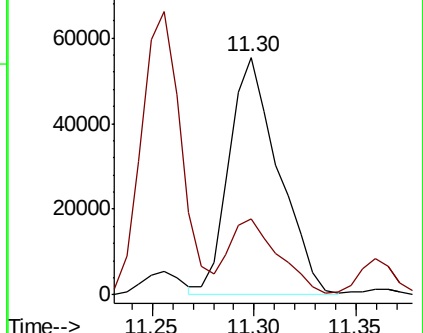
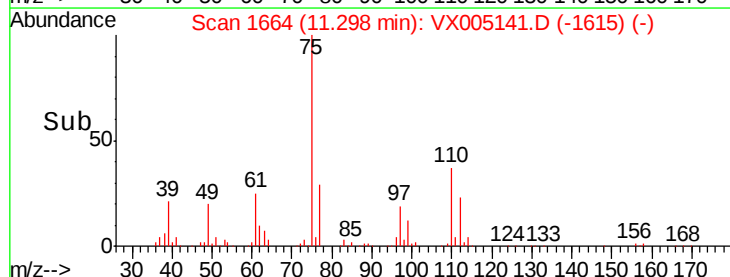
75 100

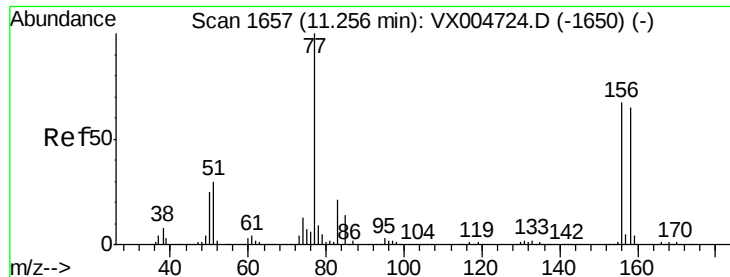
77 31.7 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX005141.D (-1615) (-)

Ion 77.00 (76.70 to 77.70): VX005141.D (-1615) (-)





#77

Bromobenzene

Concen: 19.746 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

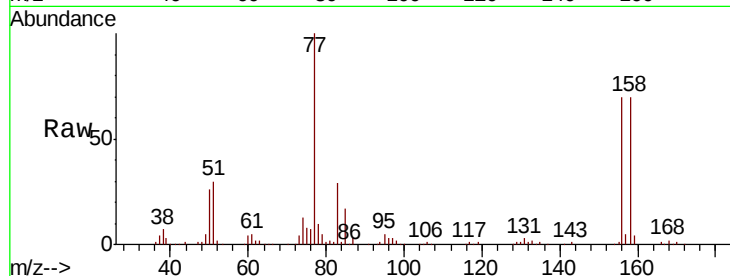
Tot Ion:156 Resp: 60940

Ion Ratio Lower Upper

156 100

77 147.3 73.4 220.2

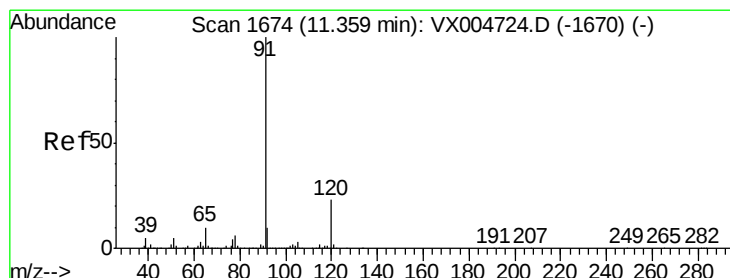
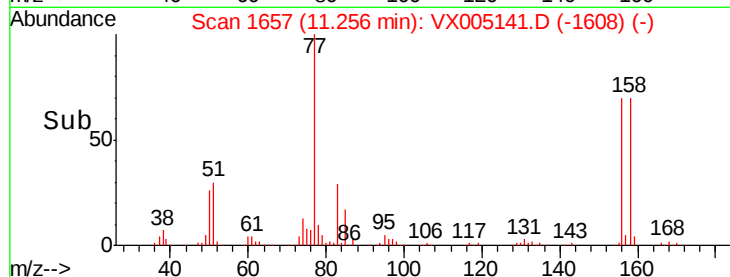
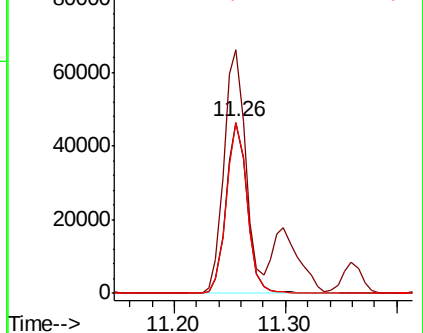
158 98.5 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.899 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005141.D

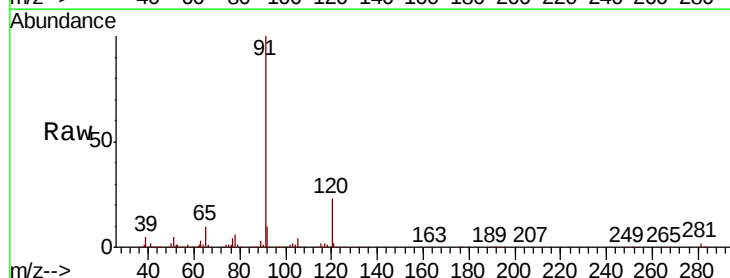
Acq: 08 Oct 2018 22:16

Tgt Ion: 91 Resp: 254787

Ion Ratio Lower Upper

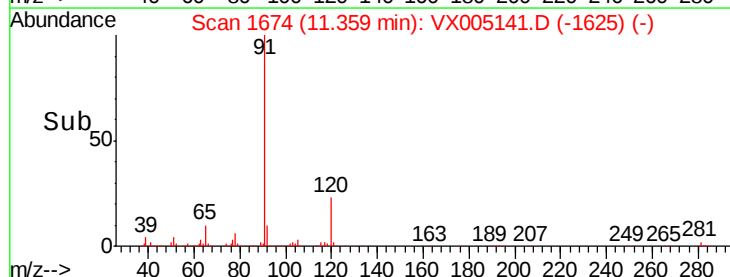
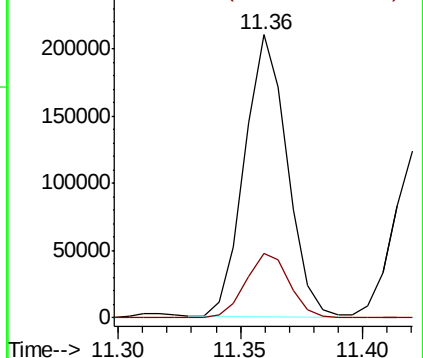
91 100

120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.332 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampled :

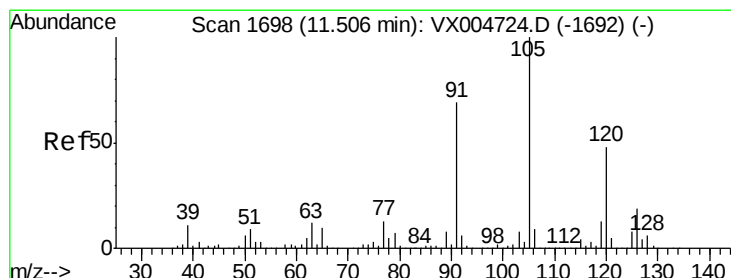
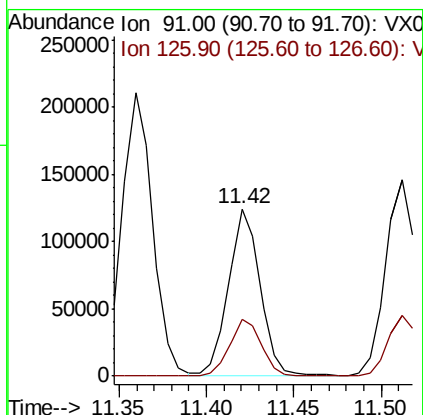
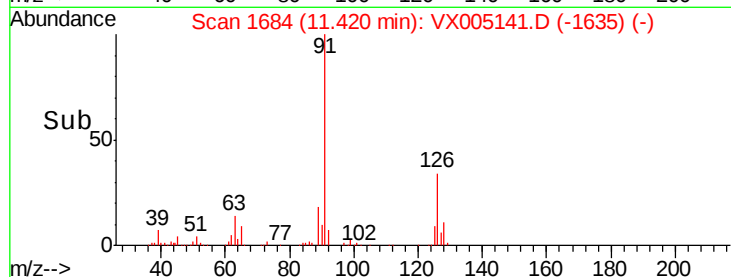
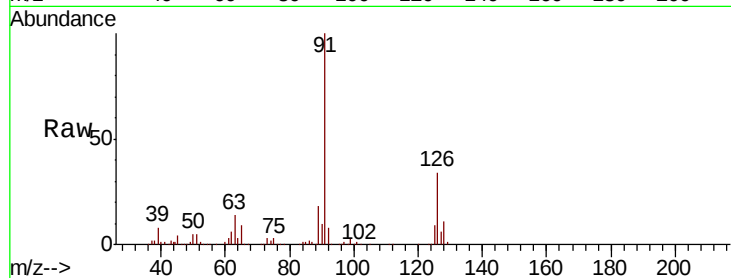
VX1008WBS02

Tot Ion: 91 Resp: 154508

Ion Ratio Lower Upper

91 100

126 34.9 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 19.470 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005141.D

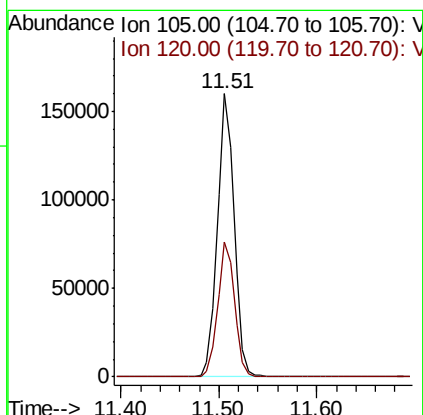
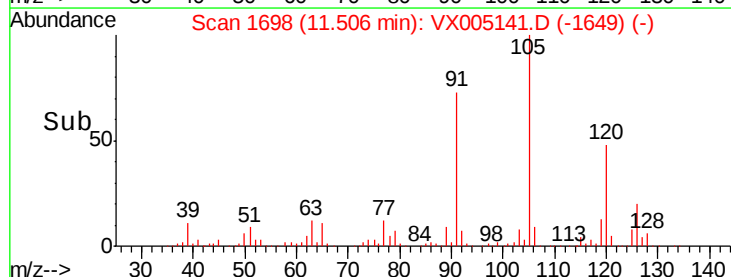
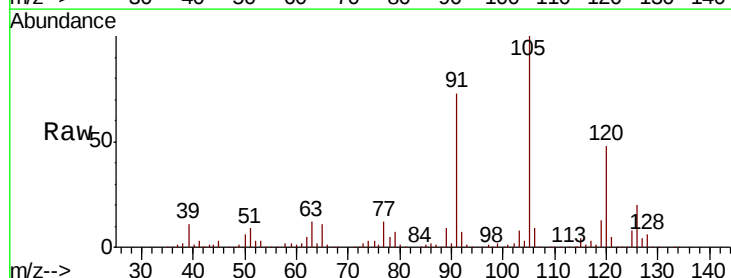
Acq: 08 Oct 2018 22:16

Tgt Ion: 105 Resp: 190785

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 15.866 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampled :

VX1008WBS02

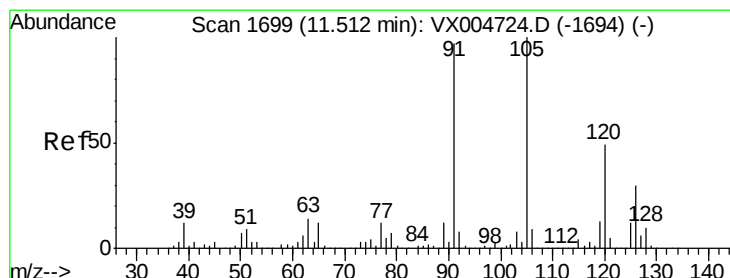
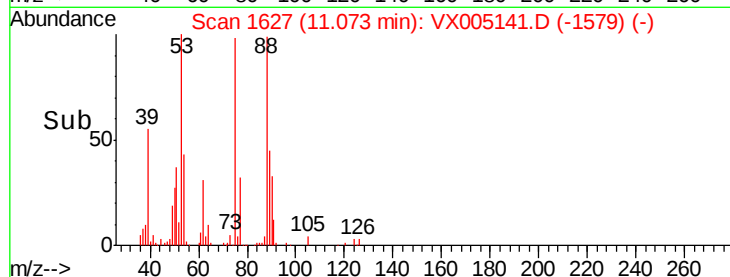
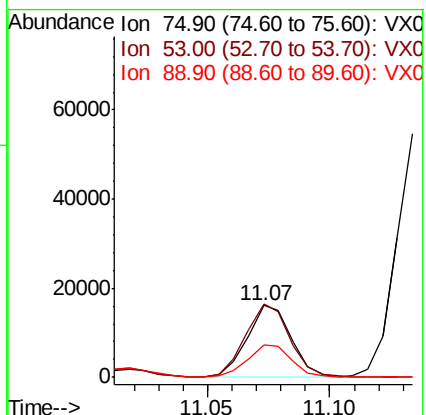
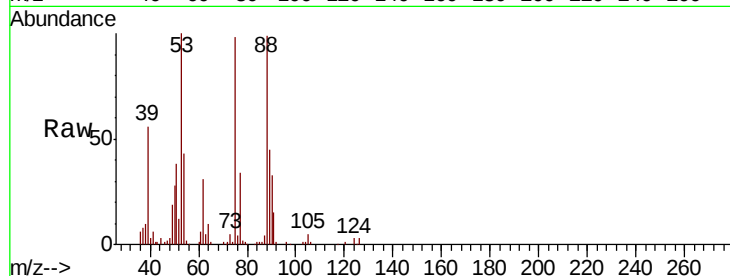
Tot Ion: 75 Resp: 20022

Ion Ratio Lower Upper

75 100

53 103.7 80.2 120.4

89 45.9 37.1 55.7



#82

4-Chlorotoluene

Concen: 20.334 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005141.D

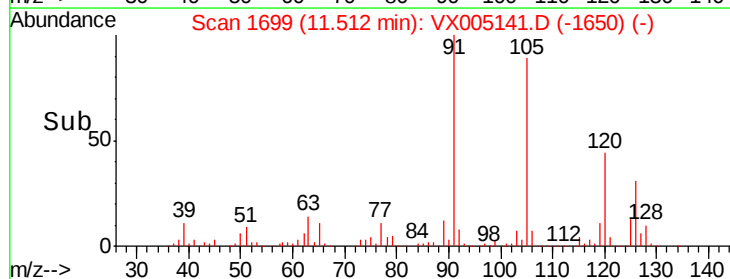
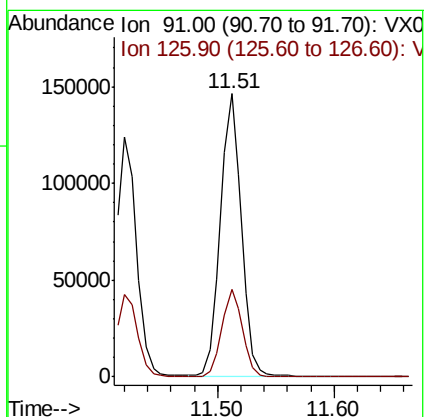
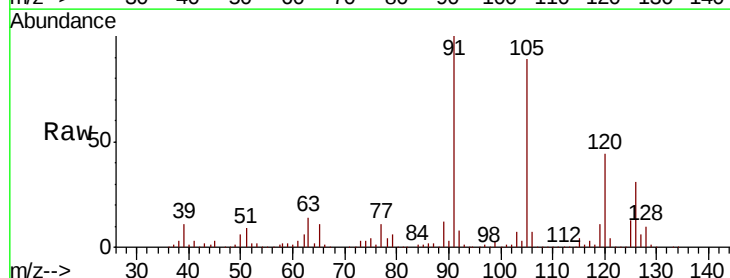
Acq: 08 Oct 2018 22:16

Tgt Ion: 91 Resp: 181874

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5

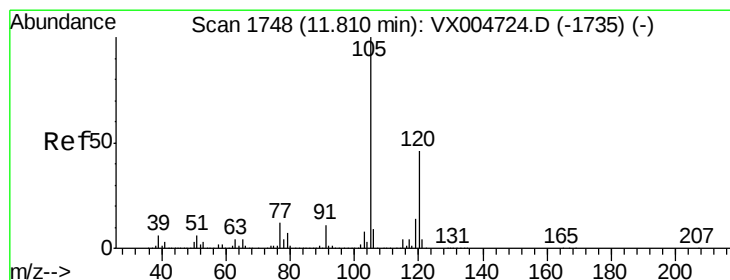
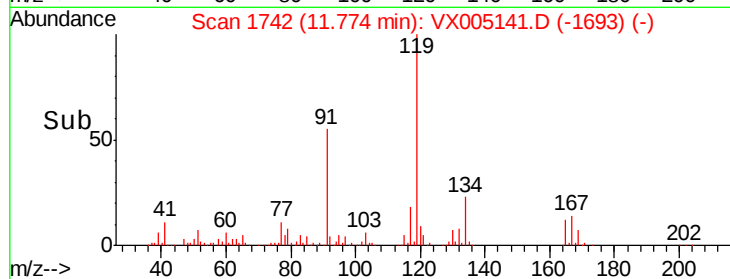
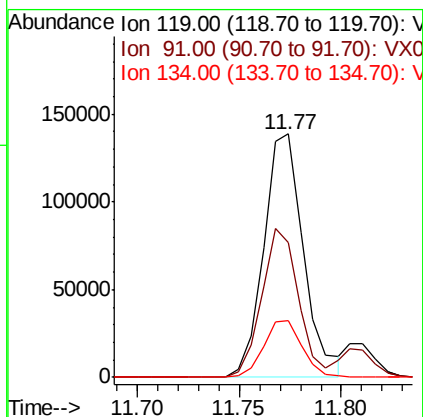
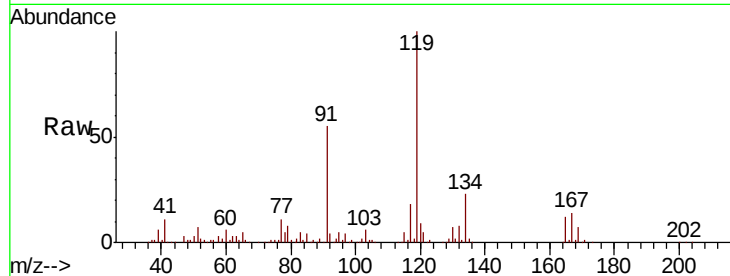




#83
 tert-Butylbenzene
 Concen: 21.580 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

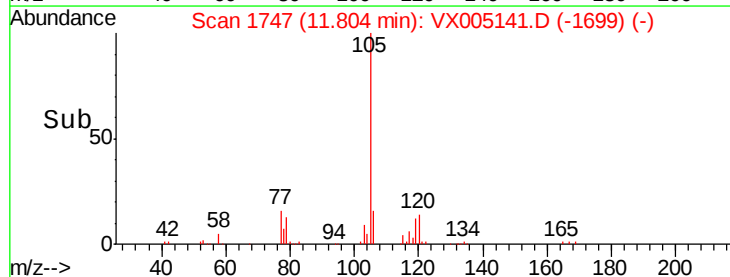
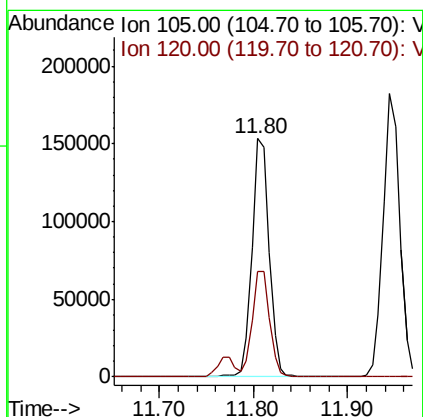
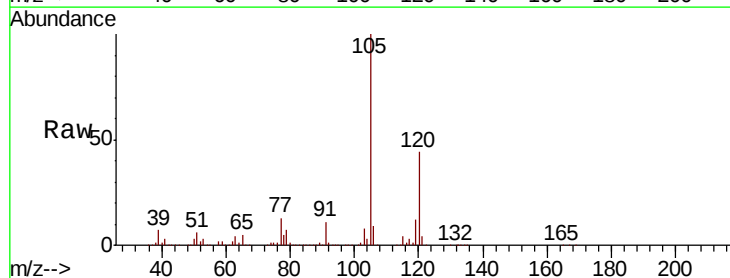
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

Tot Ion:119 Resp: 188788
 Ion Ratio Lower Upper
 119 100
 91 56.2 27.5 82.5
 134 22.8 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.343 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion:105 Resp: 195486
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.8 68.3

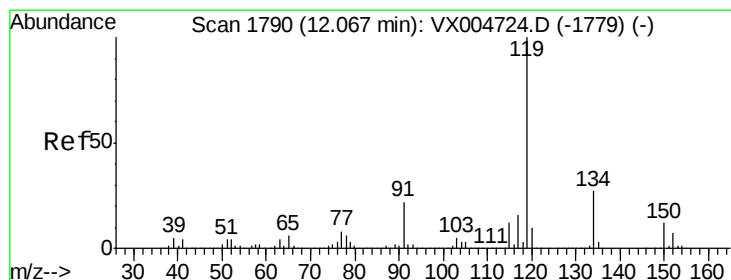
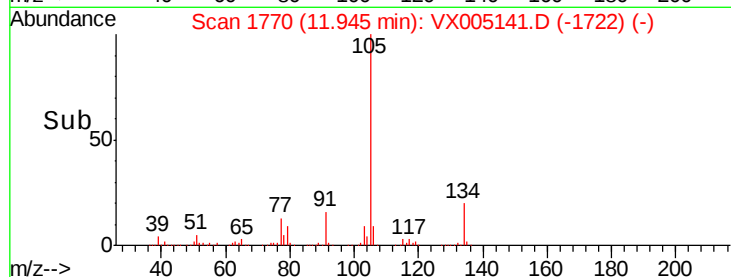
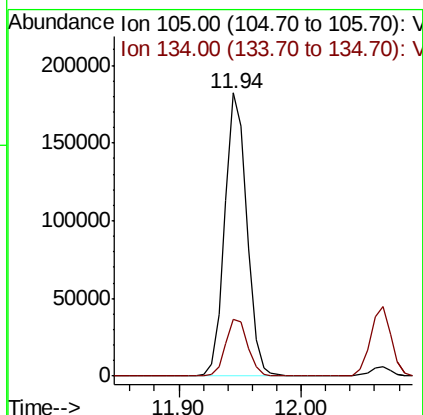
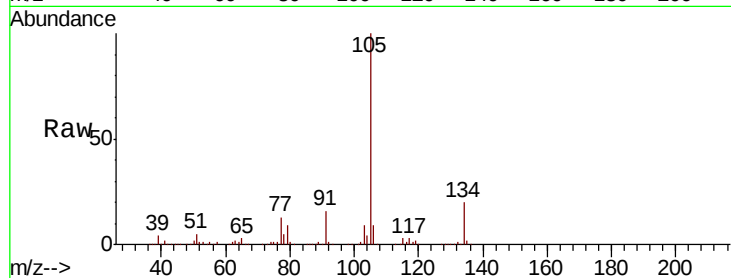




#85
 sec-Butylbenzene
 Concen: 21.295 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

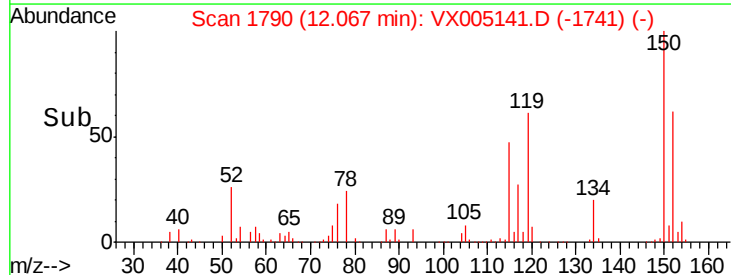
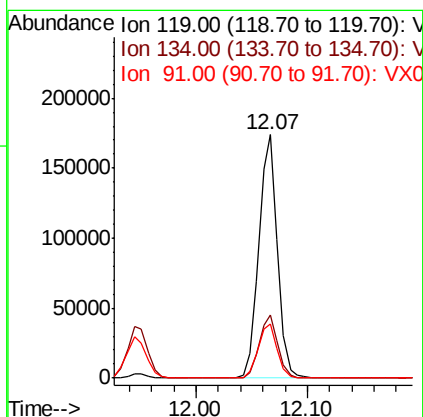
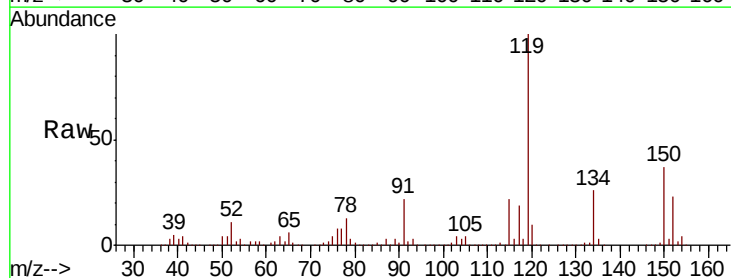
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

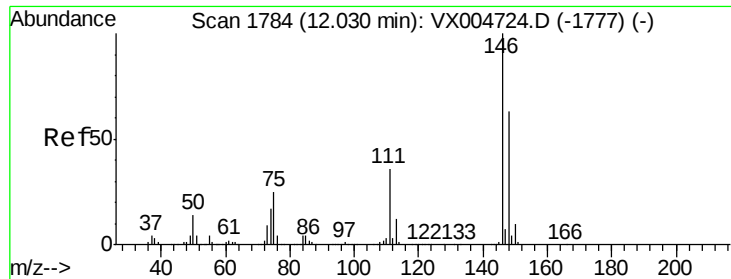
Tot Ion:105 Resp: 226913
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.984 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion:119 Resp: 202584
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.4 40.1
 91 22.8 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 19.642 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

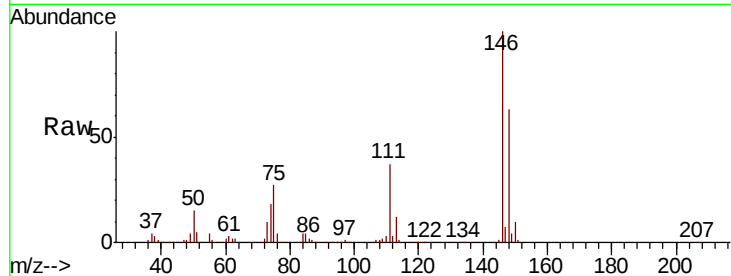
Tot Ion:146 Resp: 113197

Ion Ratio Lower Upper

146 100

111 37.5 18.9 56.9

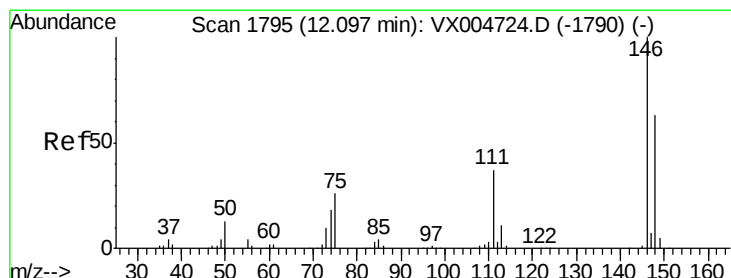
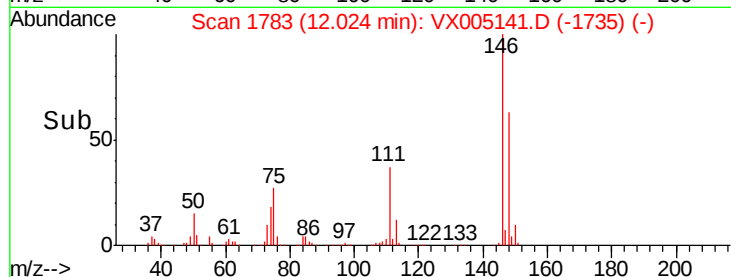
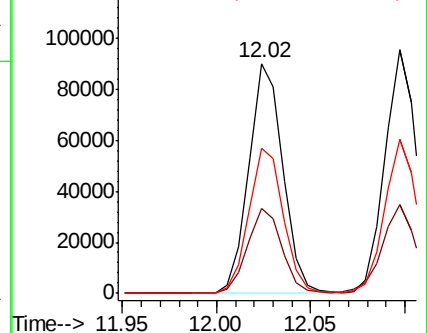
148 64.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.303 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

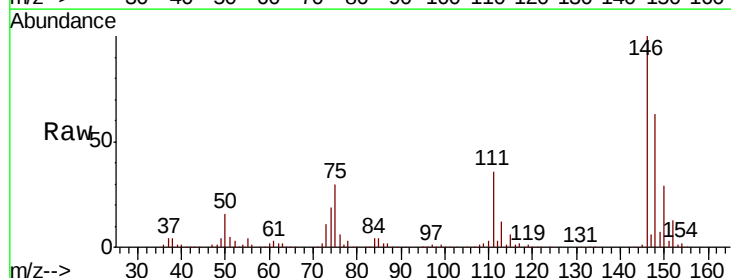
Tgt Ion:146 Resp: 114833

Ion Ratio Lower Upper

146 100

111 37.7 18.4 55.2

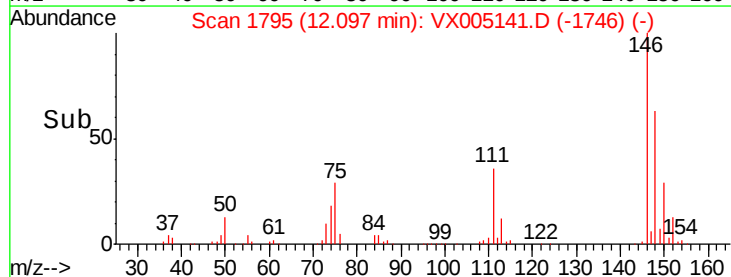
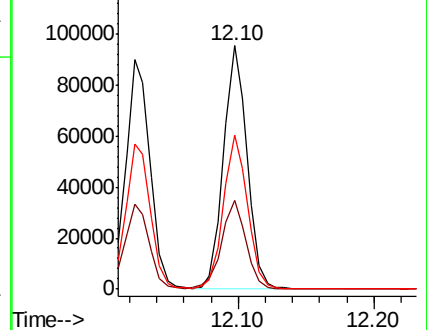
148 64.5 32.0 96.0

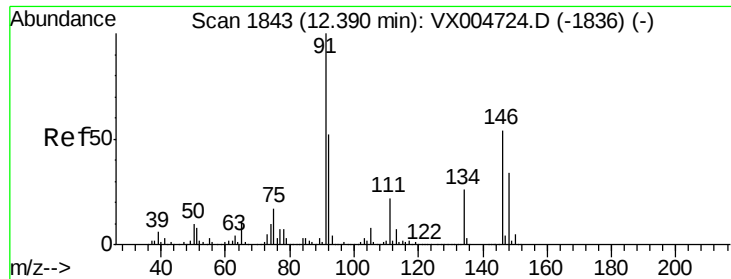


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

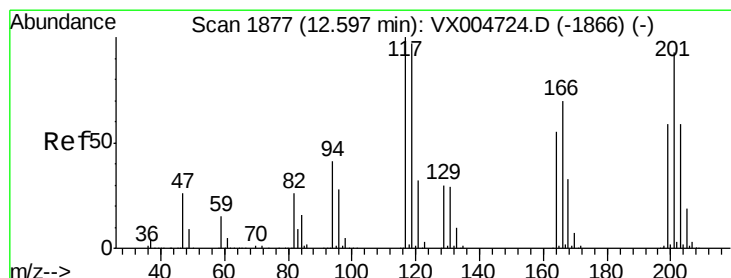
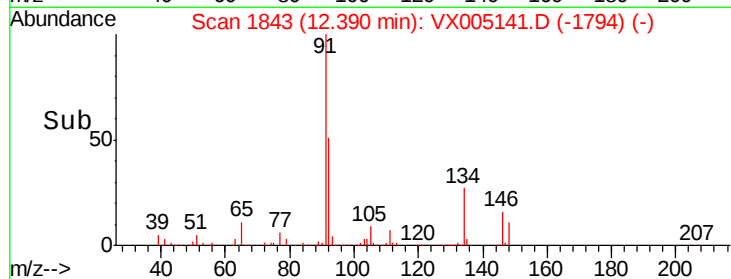
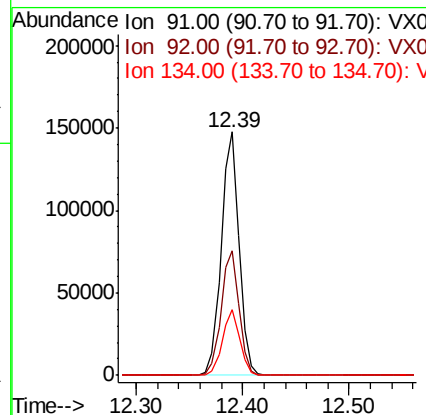
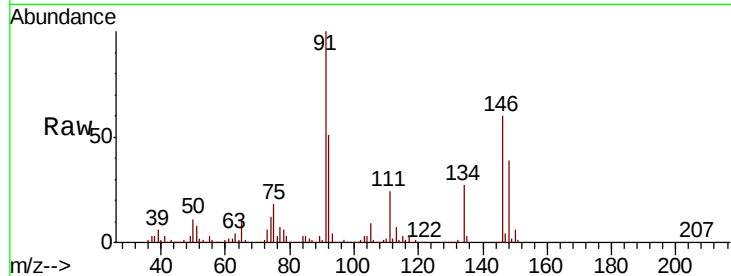




#89
n-Butylbenzene
Concen: 19.409 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

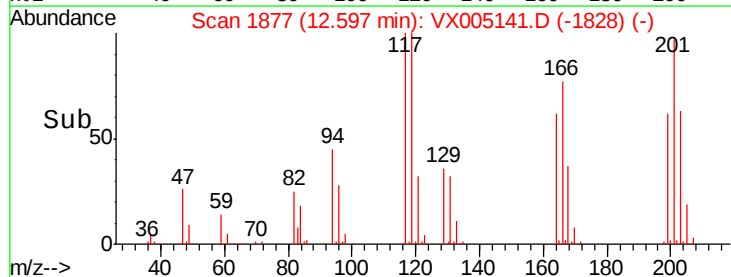
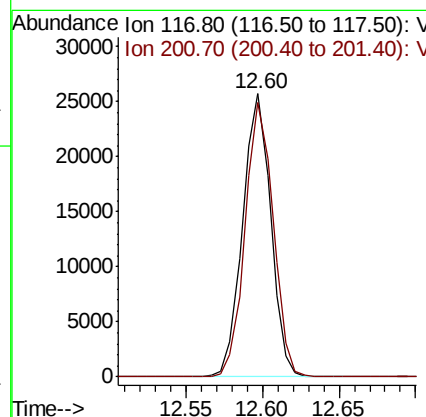
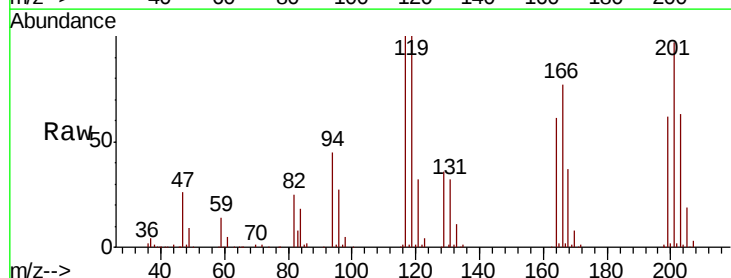
Instrument :
MSVOA_X
ClientSampleId :
VX1008WBS02

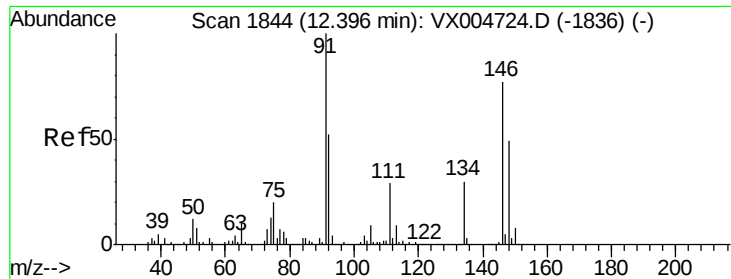
Tot Ion: 91 Resp: 170172
Ion Ratio Lower Upper
91 100
92 51.7 26.0 78.0
134 26.3 13.2 39.6



#90
Hexachloroethane
Concen: 20.363 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005141.D
Acq: 08 Oct 2018 22:16

Tgt Ion: 117 Resp: 32731
Ion Ratio Lower Upper
117 100
201 97.1 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 18.993 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

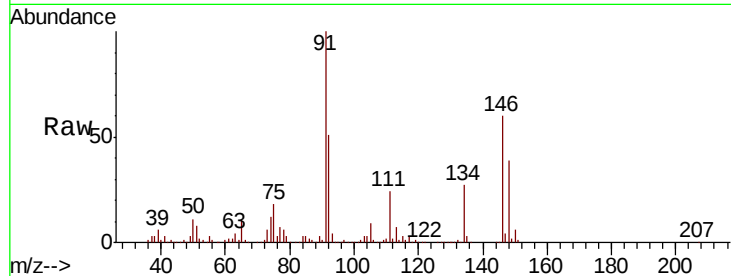
Tot Ion:146 Resp: 114387

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.7

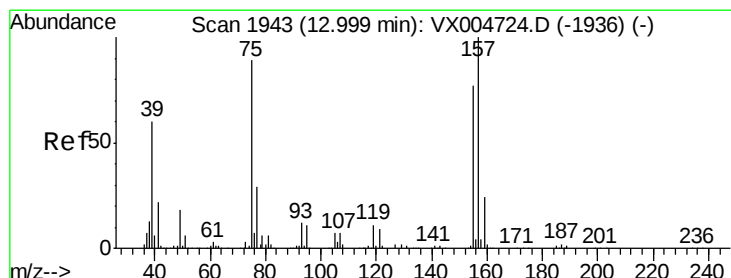
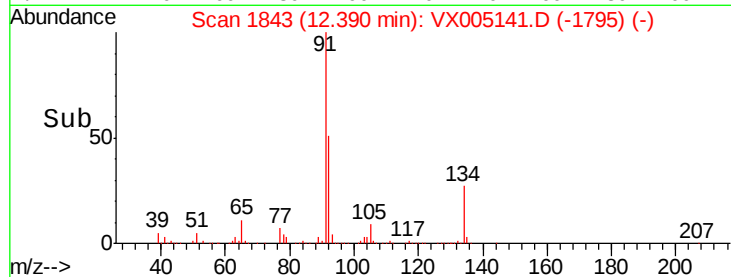
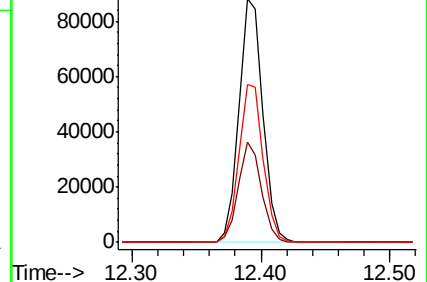
148 65.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

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: 20.108 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

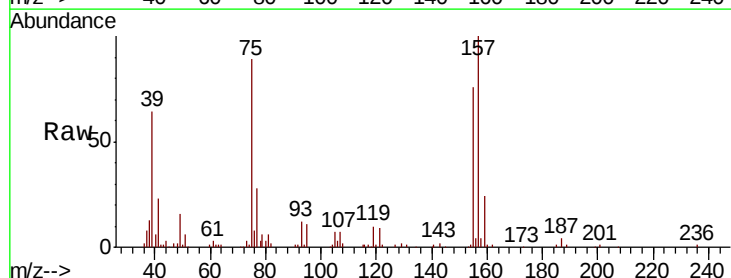
Tgt Ion: 75 Resp: 19096

Ion Ratio Lower Upper

75 100

155 92.2 46.1 138.3

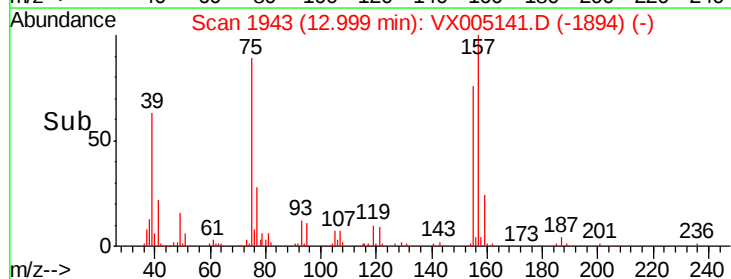
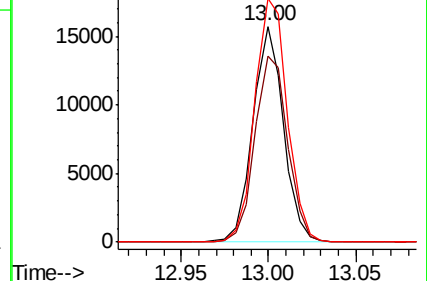
157 119.5 60.2 180.6

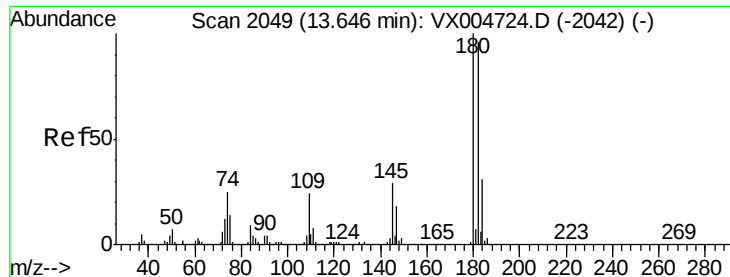


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

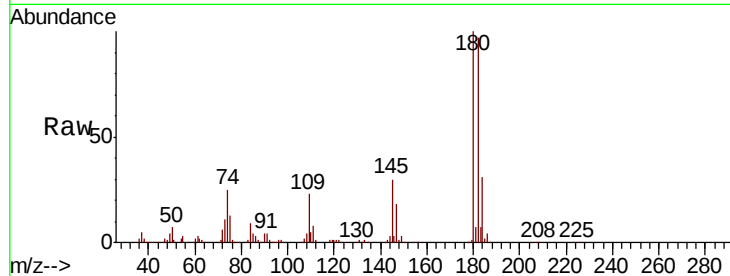




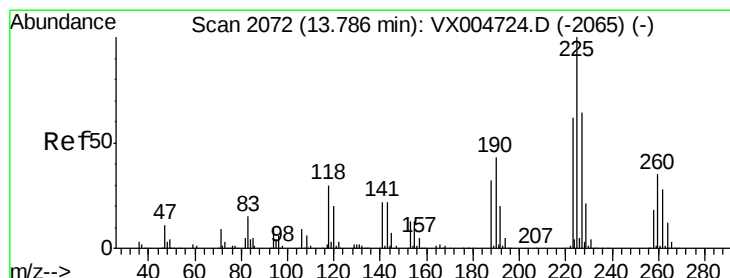
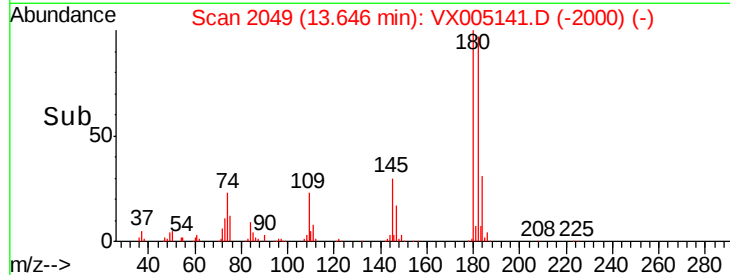
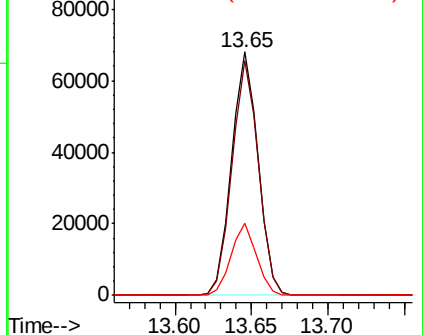
#93
 1,2,4-Trichlorobenzene
 Concen: 19.295 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1008WBS02

Tot Ion:180 Resp: 81517
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.8 143.4
 145 28.6 14.1 42.4

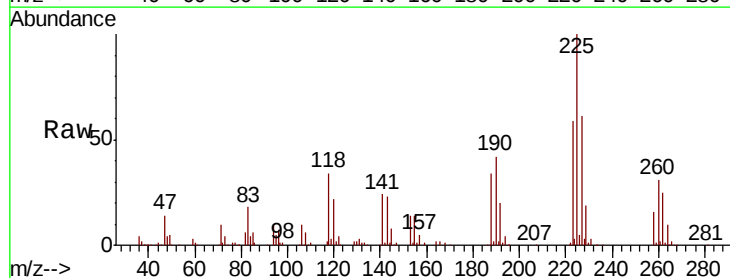


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

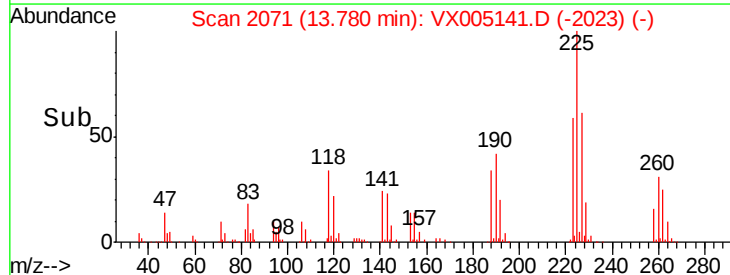
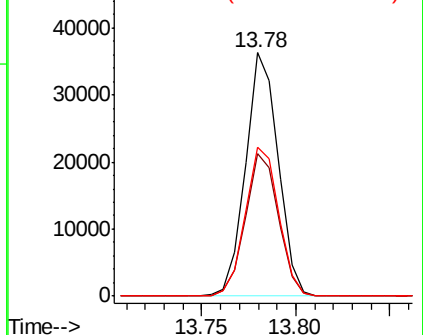


#94
 Hexachlorobutadiene
 Concen: 19.887 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005141.D
 Acq: 08 Oct 2018 22:16

Tgt Ion:225 Resp: 43566
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.3 93.8
 227 62.7 31.9 95.5



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: 18.758 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

Instrument :

MSVOA_X

ClientSampleId :

VX1008WBS02

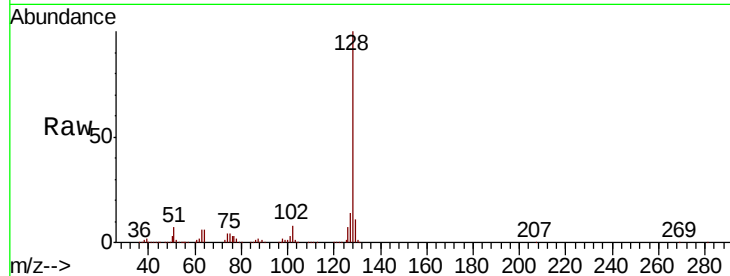
Tot Ion:128 Resp: 256626

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

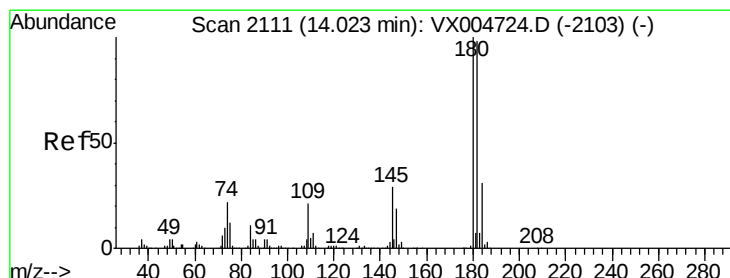
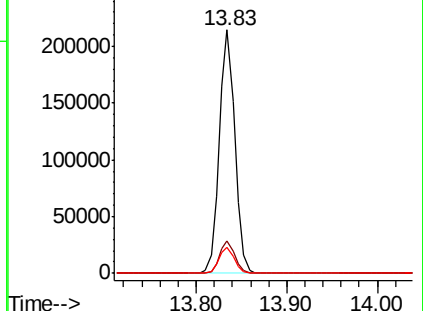
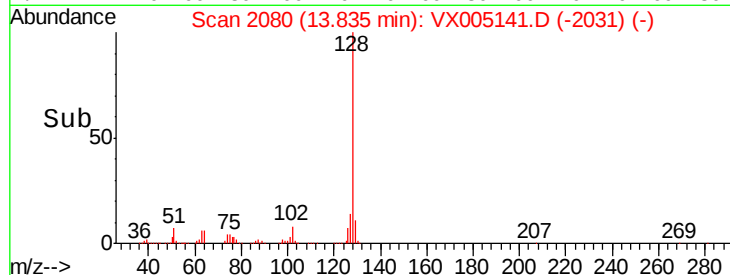
129 10.7 8.7 13.1



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: 19.797 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005141.D

Acq: 08 Oct 2018 22:16

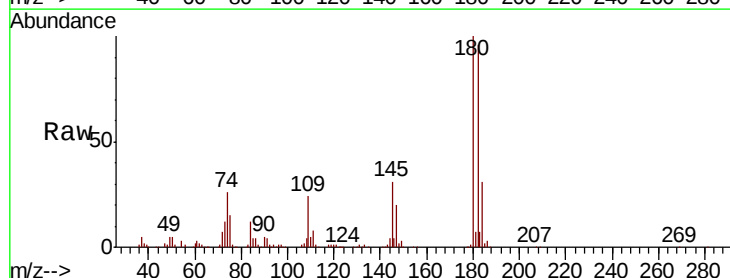
Tgt Ion:180 Resp: 86396

Ion Ratio Lower Upper

180 100

182 95.9 47.9 143.8

145 30.0 15.0 45.0



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

