

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005225.D
 Acq On : 10 Oct 2018 23:36
 Operator : JC/MD
 Sample : J5317-15MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

Quant Time: Oct 11 06:09:22 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	5.67	168	221261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175457	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	125704	39.77	ug/l	0.00
Spiked Amount			Recovery	=	79.54%	
35) Dibromofluoromethane	5.51	113	104272	37.38	ug/l	0.00
Spiked Amount			Recovery	=	74.76%	
50) Toluene-d8	8.72	98	373663	40.29	ug/l	0.00
Spiked Amount			Recovery	=	80.58%	
62) 4-Bromofluorobenzene	11.14	95	141922	42.48	ug/l	0.00
Spiked Amount			Recovery	=	84.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	155432	51.522	ug/l	98
3) Chloromethane	1.32	50	178905	48.879	ug/l	100
4) Vinyl Chloride	1.40	62	177699	51.764	ug/l	99
5) Bromomethane	1.64	94	94709	46.525	ug/l	96
6) Chloroethane	1.71	64	105364	56.628	ug/l	95
7) Trichlorofluoromethane	1.92	101	227138	53.446	ug/l	93
8) Diethyl Ether	2.19	74	92681	50.199	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121571	50.219	ug/l	100
10) Methyl Iodide	2.51	142	159070	49.104	ug/l	91
11) Tert butyl alcohol	3.08	59	237334	268.549	ug/l	99
12) 1,1-Dichloroethene	2.37	96	120820	50.395	ug/l	93
13) Acrolein	2.29	56	112751	179.313	ug/l	92
14) Allyl chloride	2.72	41	265422	50.740	ug/l	95
15) Acrylonitrile	3.15	53	506082	260.129	ug/l	97
16) Acetone	2.45	43	459847	249.201	ug/l	94
17) Carbon Disulfide	2.56	76	352813	48.975	ug/l	99
18) Methyl Acetate	2.78	43	318351	68.093	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	439056	53.093	ug/l	95
20) Methylene Chloride	2.85	84	139396	51.989	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	129095	49.190	ug/l	87
22) Diisopropyl ether	3.87	45	433291	49.190	ug/l	97
23) Vinyl Acetate	3.82	43	1835441	227.638	ug/l	98
24) 1,1-Dichloroethane	3.70	63	260860	49.646	ug/l	99
25) 2-Butanone	4.71	43	657596	241.762	ug/l	98
26) 2,2-Dichloropropane	4.58	77	137190	37.494	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	136704	46.628	ug/l	98
28) Bromochloromethane	5.02	49	92529	37.395	ug/l	100
29) Tetrahydrofuran	5.16	42	433840	256.622	ug/l	98
30) Chloroform	5.21	83	237156	47.757	ug/l	98
31) Cyclohexane	5.57	56	200524	49.862	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	204121	50.331	ug/l	96
36) 1,1-Dichloropropene	5.79	75	181039	47.567	ug/l	93
37) Ethyl Acetate	4.86	43	221841	43.911	ug/l	99
38) Carbon Tetrachloride	5.78	117	189686	47.413	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190177	48.935	ug/l #	85
40) Benzene	6.15	78	535521	44.944	ug/l	92
41) Methacrylonitrile	5.06	41	128245	45.773	ug/l	98
42) 1,2-Dichloroethane	6.20	62	189192	44.915	ug/l	97
43) Isopropyl Acetate	6.46	43	331997	45.530	ug/l	96
44) Trichloroethene	7.21	130	215757	73.659	ug/l	100
45) 1,2-Dichloropropane	7.52	63	141610	48.463	ug/l	98
46) Dibromomethane	7.66	93	91867	50.026	ug/l	99
47) Bromodichloromethane	7.90	83	178575	51.939	ug/l	99
48) Methyl methacrylate	7.78	41	182989	55.289	ug/l	99
49) 1,4-Dioxane	7.76	88	89173	1084.499	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1226637	267.166	ug/l	99
52) Toluene	8.79	92	326500	49.868	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	189073	48.664	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	196857	48.374	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	137419	47.916	ug/l	96
56) Ethyl methacrylate	9.18	69	209493	45.300	ug/l	97
57) 1,3-Dichloropropane	9.37	76	231018	48.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.28	63	1696	14.889	ug/l #	49
59) 2-Hexanone	9.50	43	978676	255.795	ug/l	95
60) Dibromochloromethane	9.59	129	145088	50.586	ug/l	100
61) 1,2-Dibromoethane	9.68	107	142617	46.434	ug/l	96
64) Tetrachloroethene	9.34	164	139626	45.587	ug/l	96
65) Chlorobenzene	10.14	112	368282	46.151	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	136473	48.647	ug/l	99
67) Ethyl Benzene	10.26	91	623907	49.246	ug/l	96
68) m/p-Xylenes	10.36	106	488772	98.727	ug/l	96
69) o-Xylene	10.70	106	235326	51.752	ug/l	99
70) Styrene	10.71	104	400230	47.186	ug/l	100
71) Bromoform	10.86	173	121598	50.628	ug/l #	96
73) Isopropylbenzene	11.02	105	638969	57.777	ug/l	100
74) N-amyl acetate	10.90	43	283306	46.725	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	226519	50.317	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	256891	65.323	ug/l	84
77) Bromobenzene	11.26	156	172531	53.710	ug/l	98
78) n-propylbenzene	11.36	91	727604	57.340	ug/l	99
79) 2-Chlorotoluene	11.42	91	434411	54.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	544648	53.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	60254	42.114	ug/l	100
82) 4-Chlorotoluene	11.51	91	515251	55.345	ug/l	99
83) tert-Butylbenzene	11.77	119	538353	59.124	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	563275	53.901	ug/l	99
85) sec-Butylbenzene	11.94	105	642338	57.916	ug/l	100
86) p-Isopropyltoluene	12.07	119	578292	57.551	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	314777	52.478	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	319701	51.632	ug/l	100
89) n-Butylbenzene	12.39	91	501798	54.987	ug/l	100
90) Hexachloroethane	12.60	117	94632	56.564	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	320389	51.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55533	56.181	ug/l	100

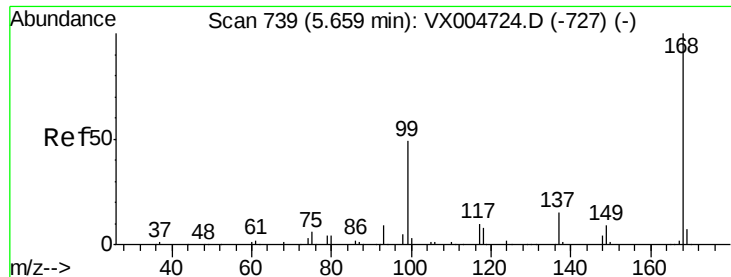
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	237166	53.936	ug/l	100
94) Hexachlorobutadiene	13.79	225	115703	50.743	ug/l	99
95) Naphthalene	13.83	128	767979	52.583	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	248466	54.700	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

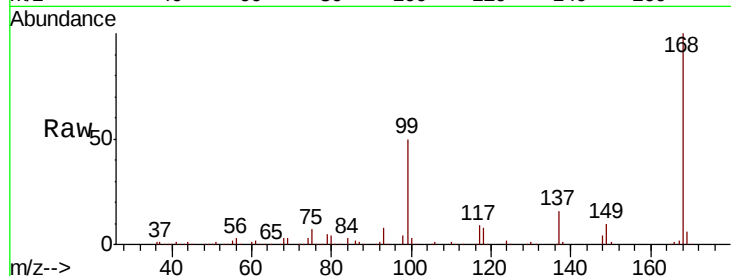
RE-109D2-20181005MS

Tot Ion:168 Resp: 221261

Ion Ratio Lower Upper

168 100

99 49.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

40000

20000

0

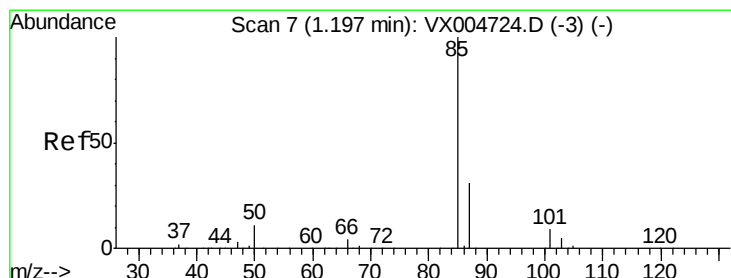
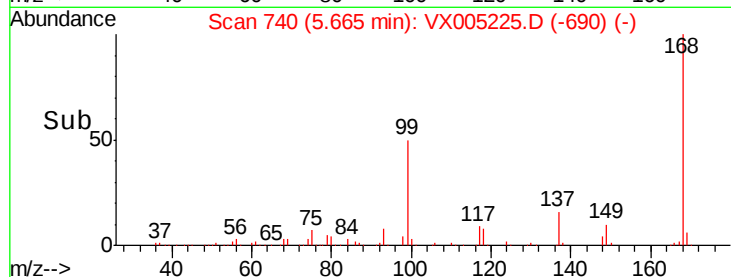
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.522 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005225.D

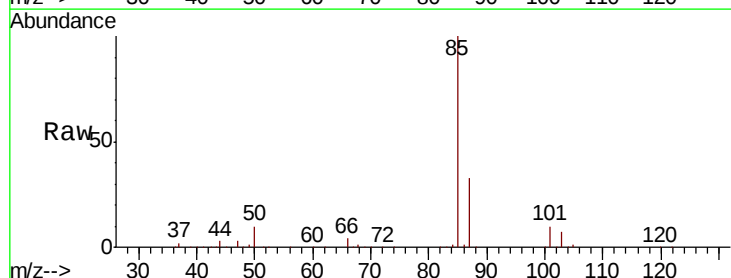
Acq: 10 Oct 2018 23:36

Tgt Ion: 85 Resp: 155432

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

100000

50000

0

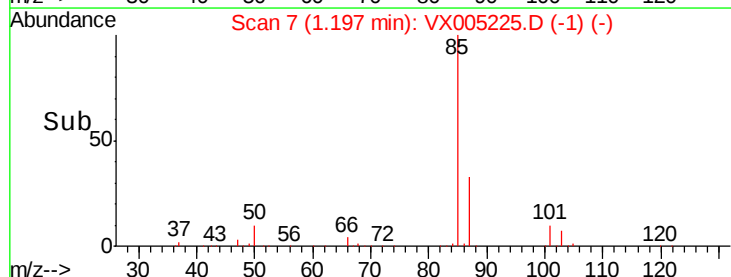
1.15

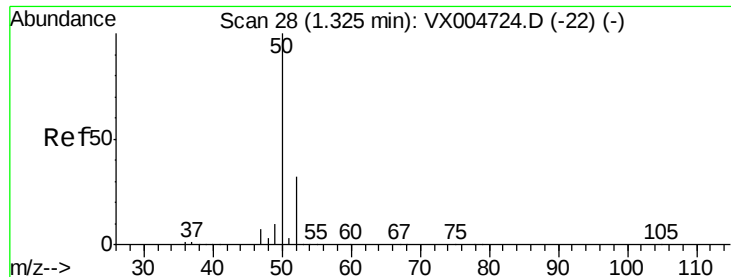
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 48.879 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

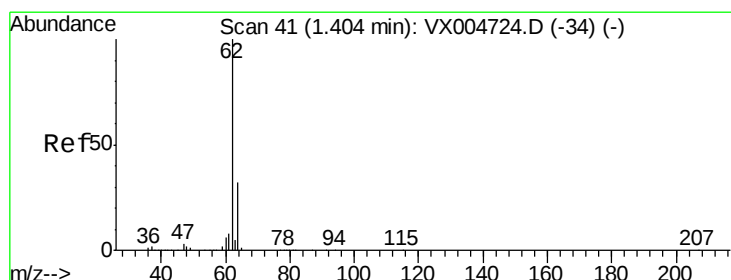
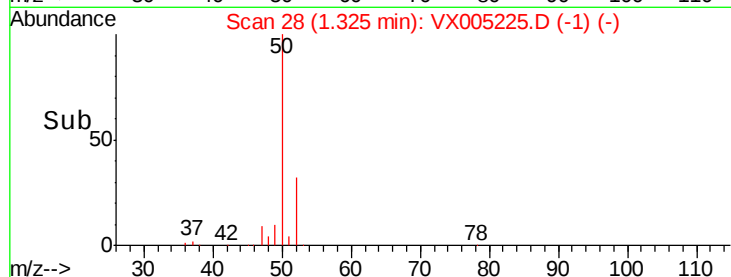
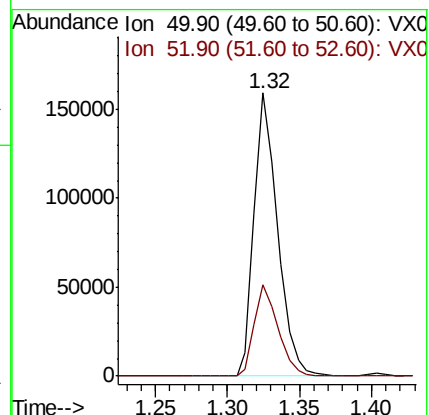
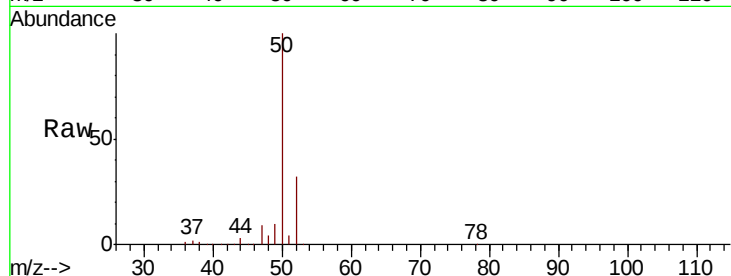
RE-109D2-20181005MS

Tot Ion: 50 Resp: 178905

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



#4

Vinyl Chloride

Concen: 51.764 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005225.D

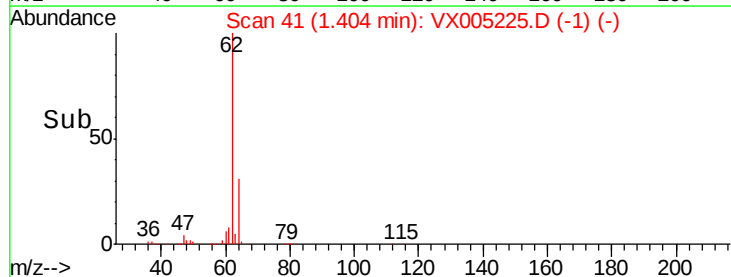
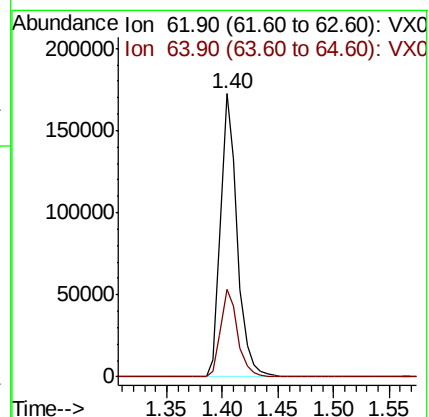
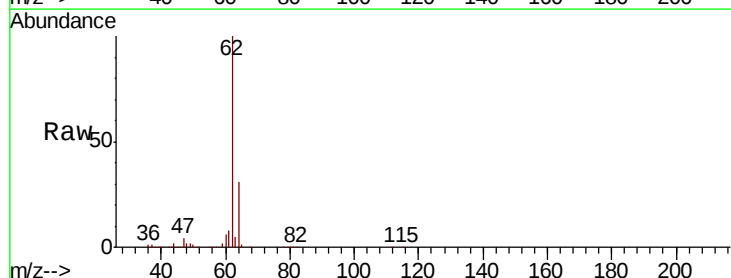
Acq: 10 Oct 2018 23:36

Tgt Ion: 62 Resp: 177699

Ion Ratio Lower Upper

62 100

64 31.1 25.5 38.3





#5

Bromomethane

Concen: 46.525 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

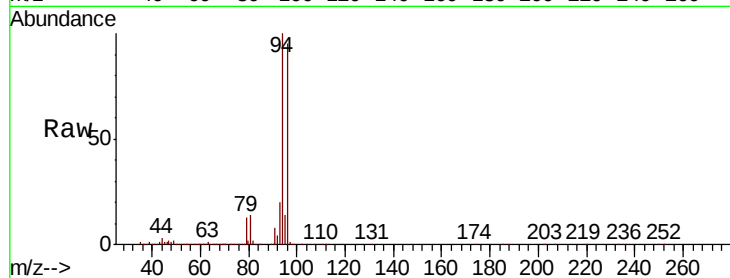
RE-109D2-20181005MS

Tot Ion: 94 Resp: 94709

Ion Ratio Lower Upper

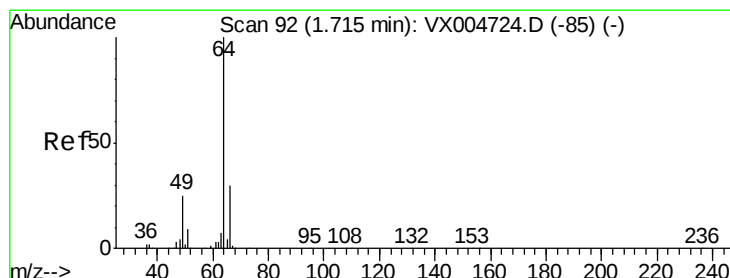
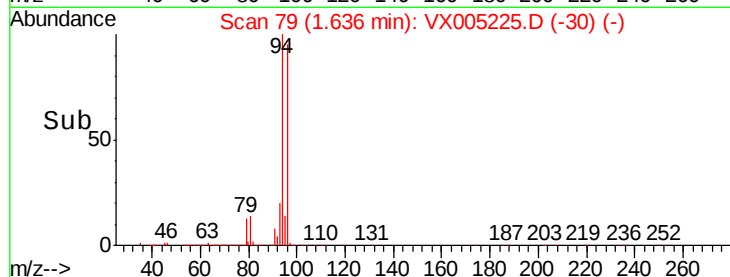
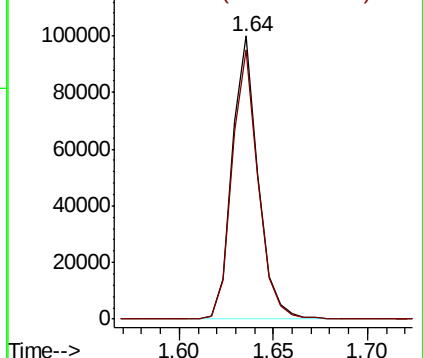
94 100

96 95.1 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: 56.628 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005225.D

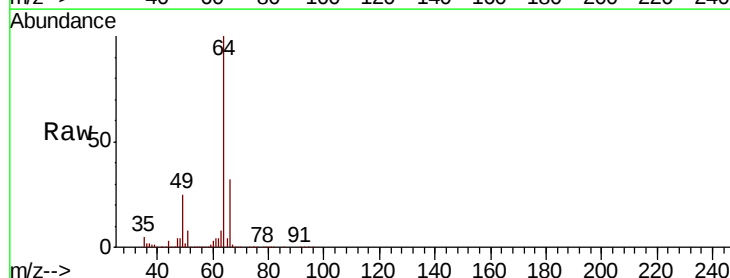
Acq: 10 Oct 2018 23:36

Tgt Ion: 64 Resp: 105364

Ion Ratio Lower Upper

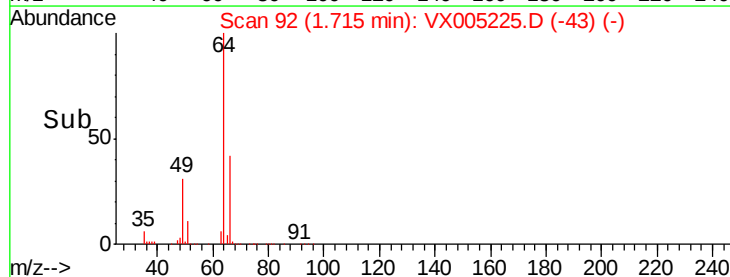
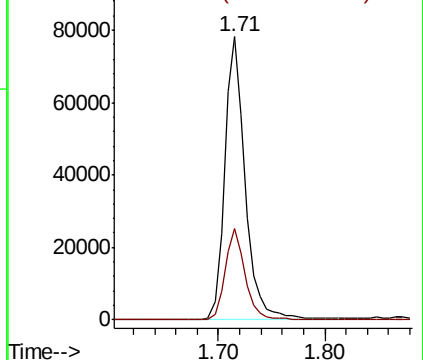
64 100

66 32.3 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



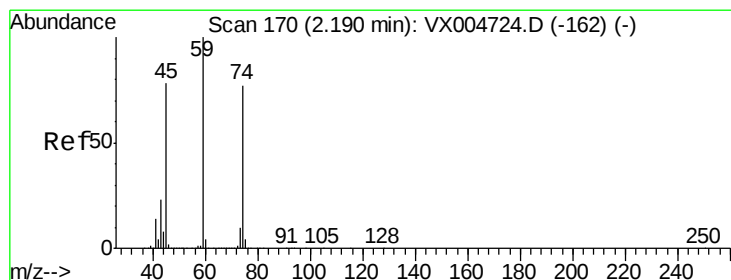
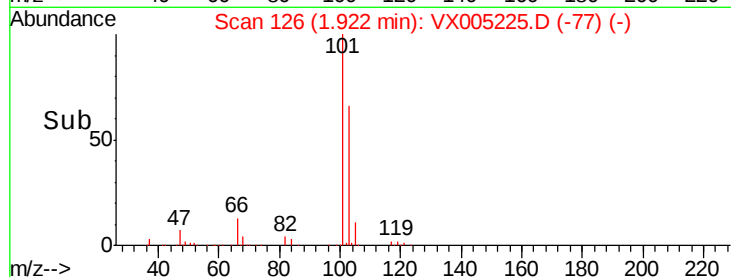
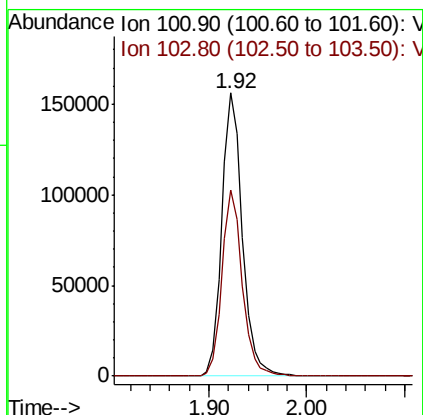
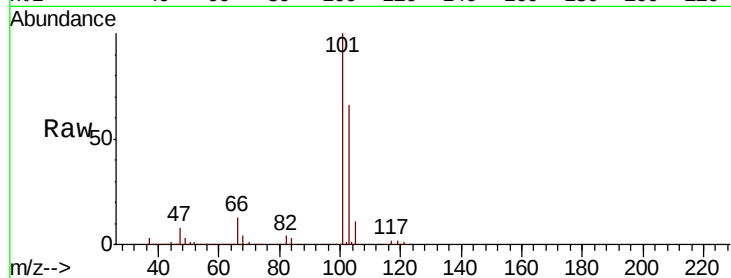


#7

Trichlorofluoromethane
Concen: 53.446 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

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MSVOA_X
ClientSampleId :
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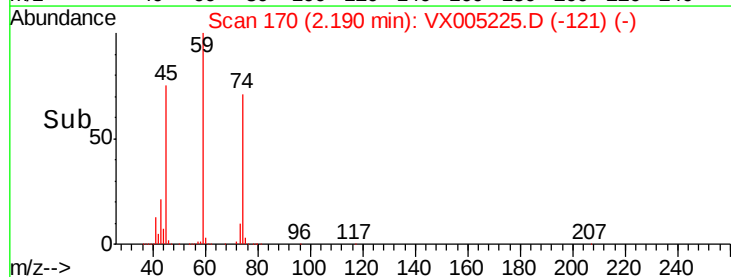
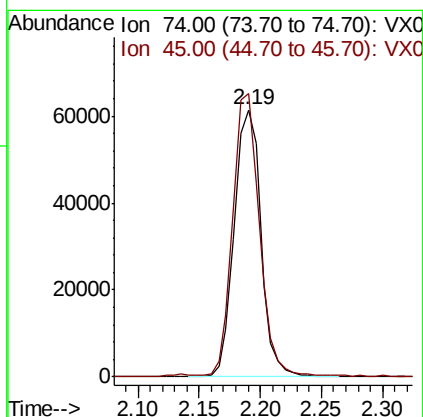
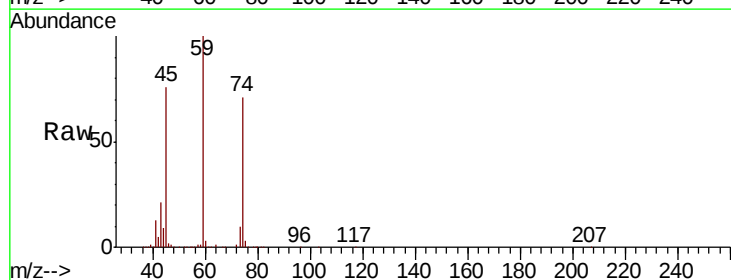
Tot Ion:101 Resp: 227138
Ion Ratio Lower Upper
101 100
103 65.7 48.4 72.6

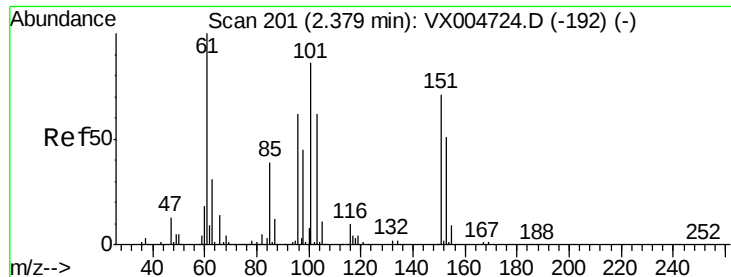


#8

Diethyl Ether
Concen: 50.199 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 74 Resp: 92681
Ion Ratio Lower Upper
74 100
45 105.0 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.219 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

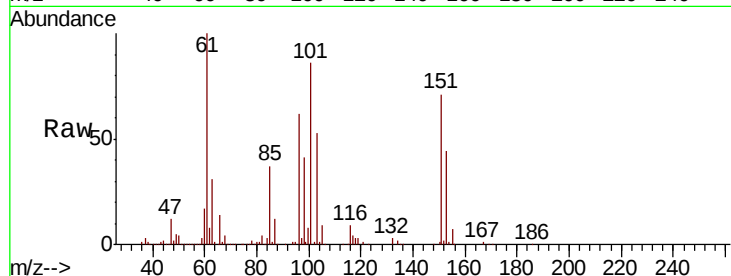
Tot Ion:101 Resp: 121571

Ion Ratio Lower Upper

101 100

85 44.7 35.9 53.9

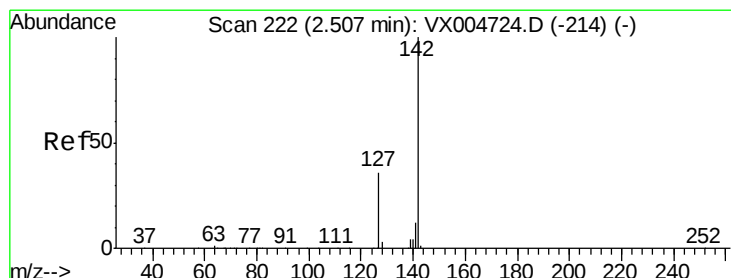
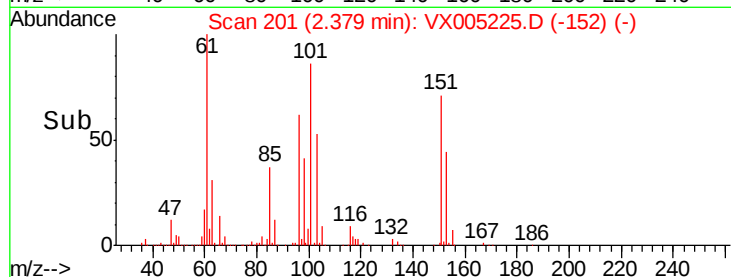
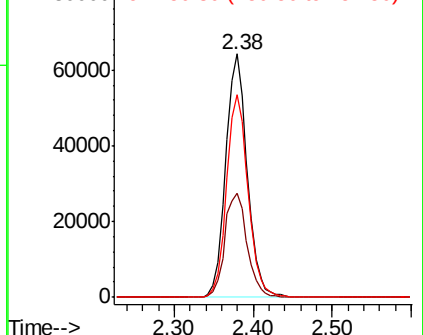
151 83.4 66.6 100.0



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: 49.104 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

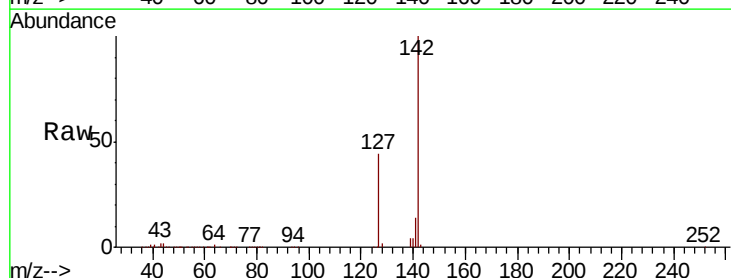
Tgt Ion:142 Resp: 159070

Ion Ratio Lower Upper

142 100

127 43.9 30.1 45.1

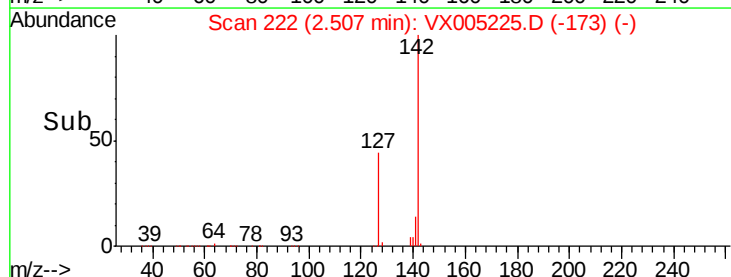
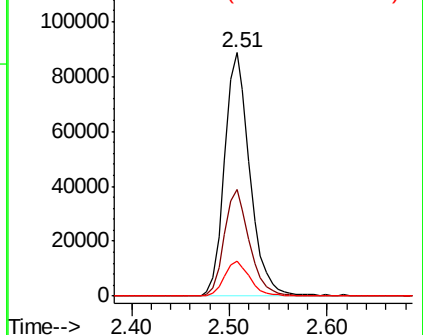
141 14.5 10.1 15.1

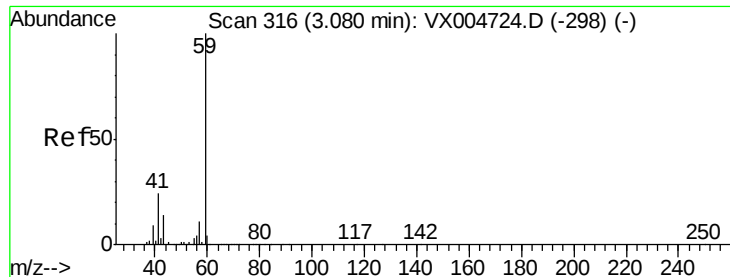


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



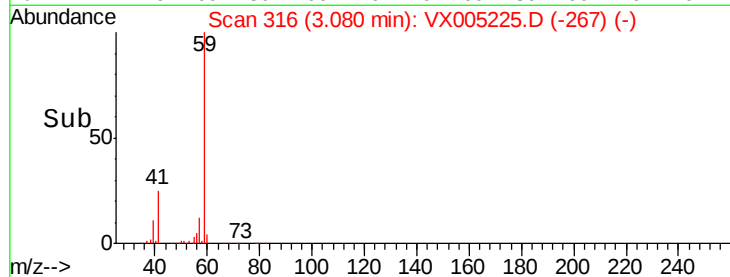
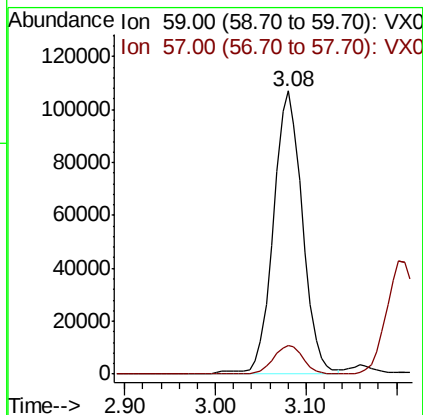
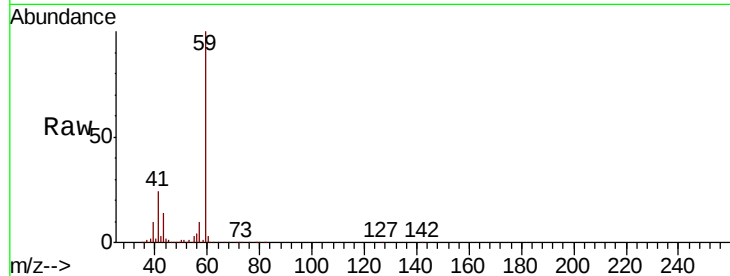


#11

Tert butyl alcohol
 Concen: 268.549 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

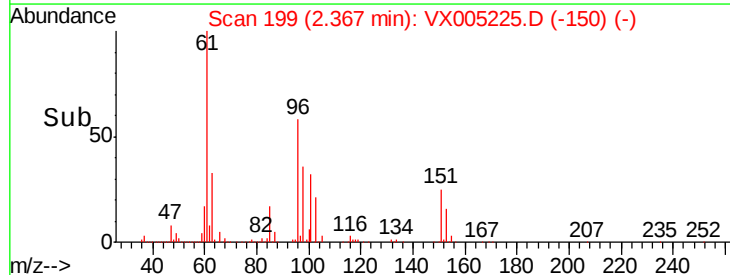
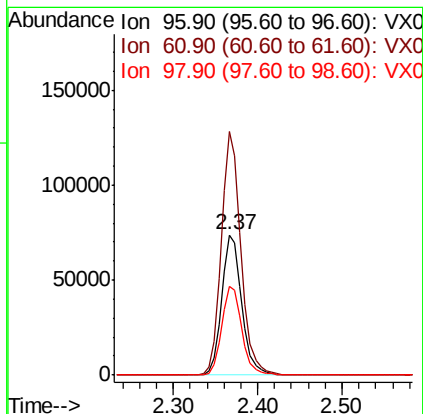
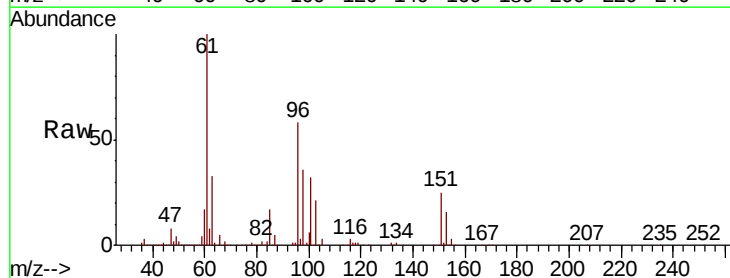
Tot Ion: 59 Resp: 237334
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

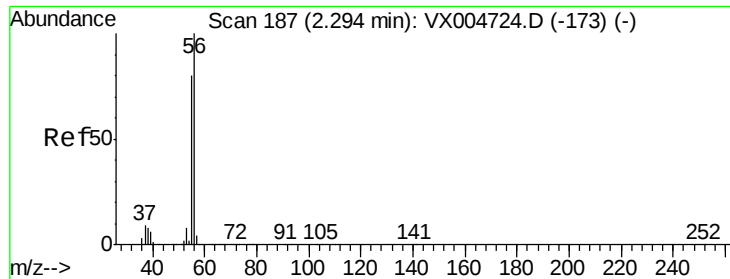


#12

1,1-Dichloroethene
 Concen: 50.395 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion: 96 Resp: 120820
 Ion Ratio Lower Upper
 96 100
 61 173.2 130.2 195.4
 98 63.2 53.4 80.0

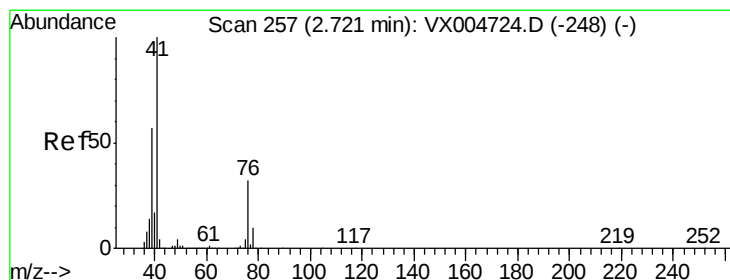
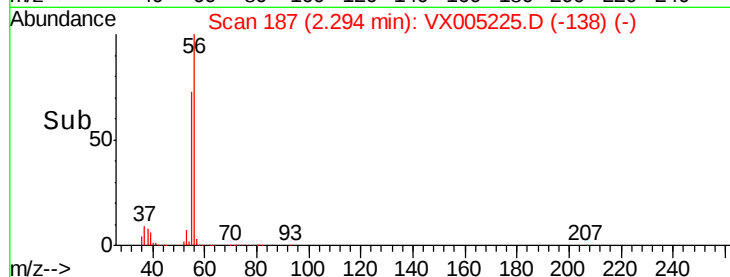
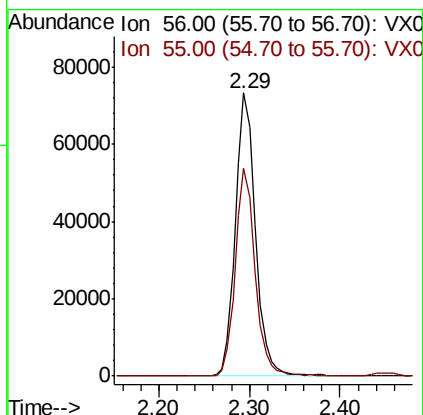
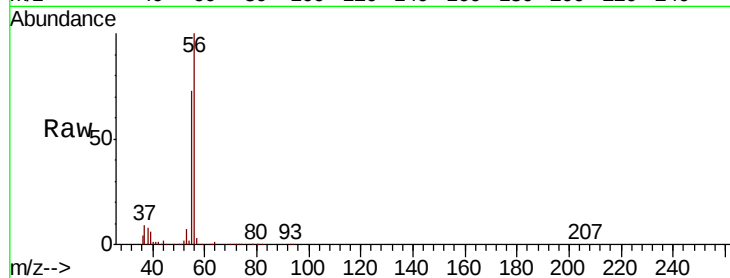




#13
Acrolein
Concen: 179.313 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

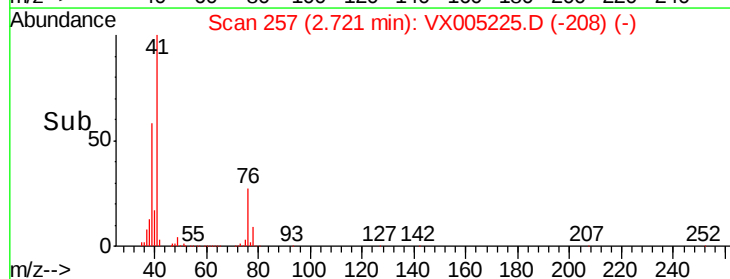
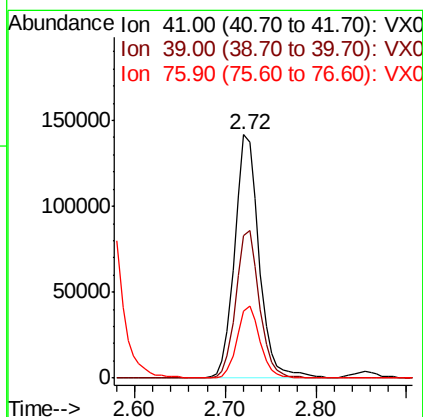
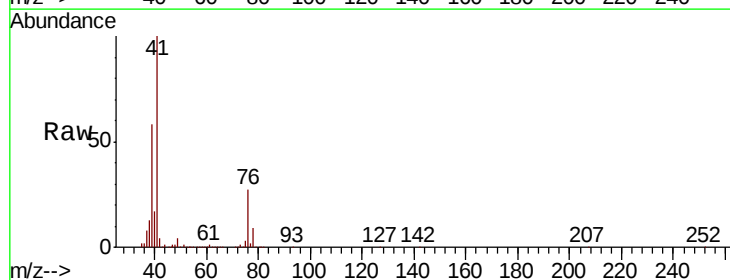
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

Tot Ion: 56 Resp: 112751
Ion Ratio Lower Upper
56 100
55 72.4 63.4 95.2



#14
Allyl chloride
Concen: 50.740 ug/l
RT: 2.72 min Scan# 257
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 41 Resp: 265422
Ion Ratio Lower Upper
41 100
39 58.2 44.1 66.1
76 28.1 25.0 37.4





#15

Acrylonitrile

Concen: 260.129 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

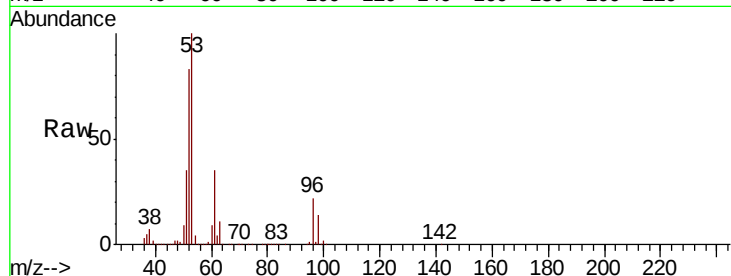
Tot Ion: 53 Resp: 506082

Ion Ratio Lower Upper

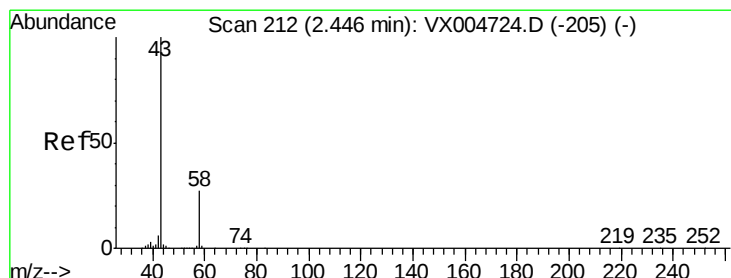
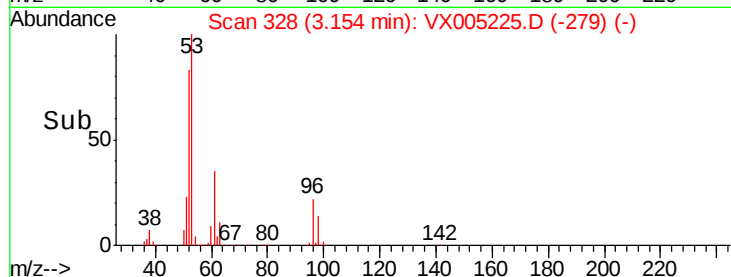
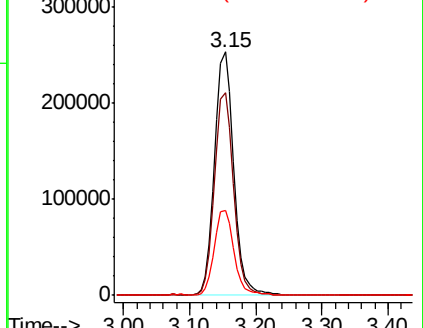
53 100

52 83.0 63.0 94.4

51 35.9 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: 249.201 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005225.D

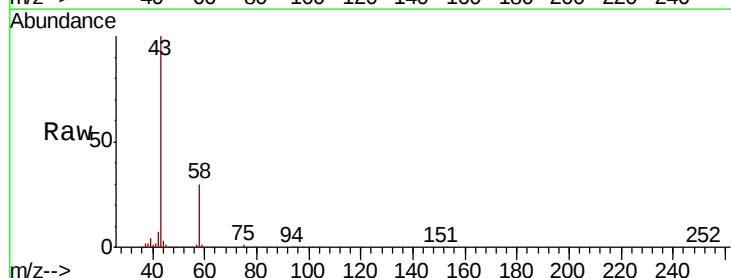
Acq: 10 Oct 2018 23:36

Tgt Ion: 43 Resp: 459847

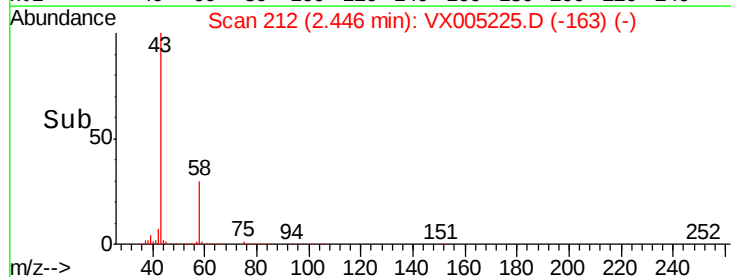
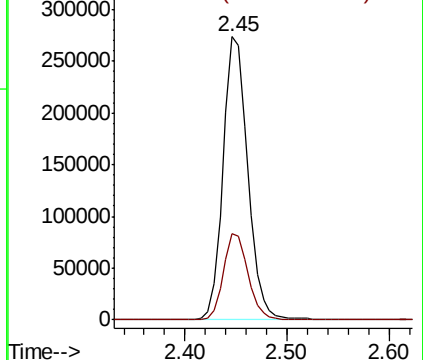
Ion Ratio Lower Upper

43 100

58 30.4 21.8 32.6



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

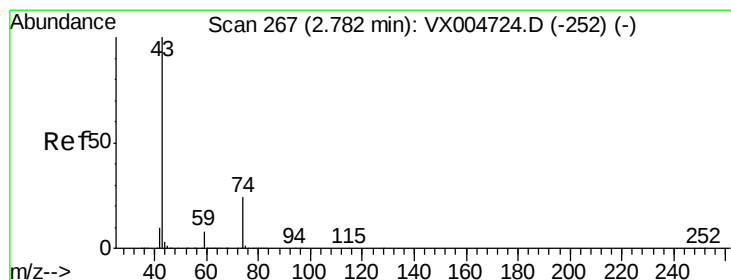
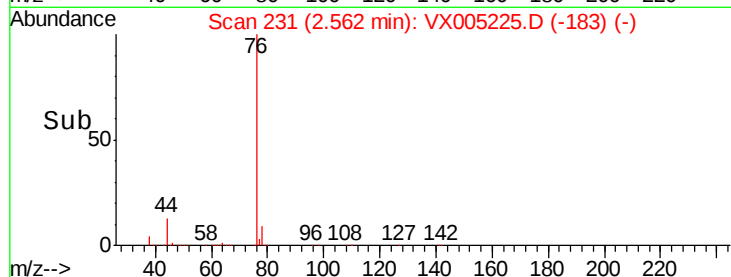
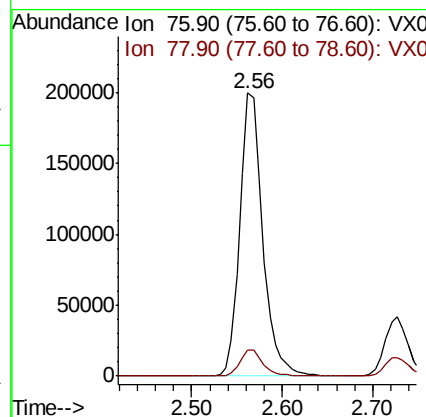
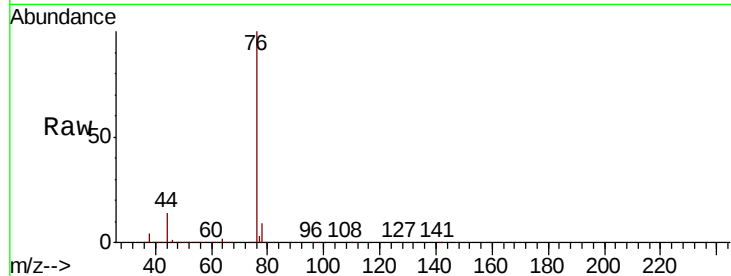




#17
Carbon Disulfide
Concen: 48.975 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

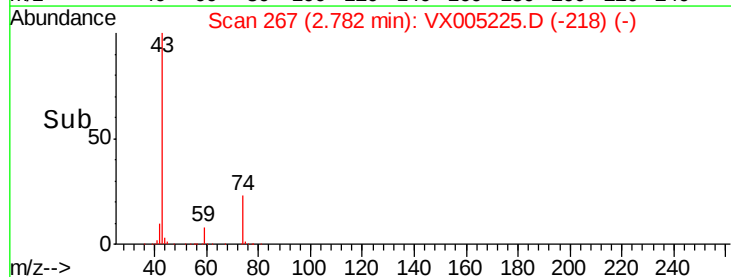
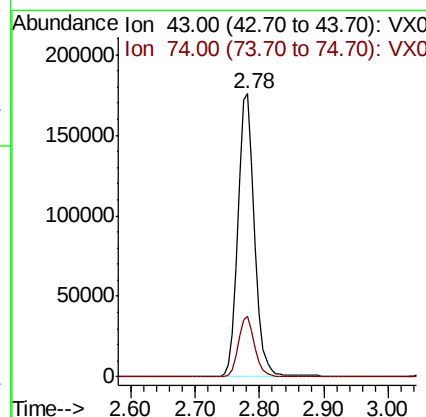
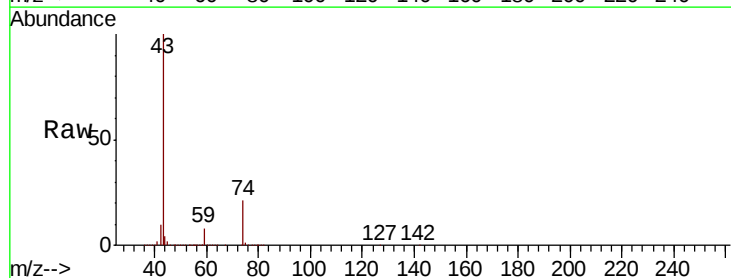
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

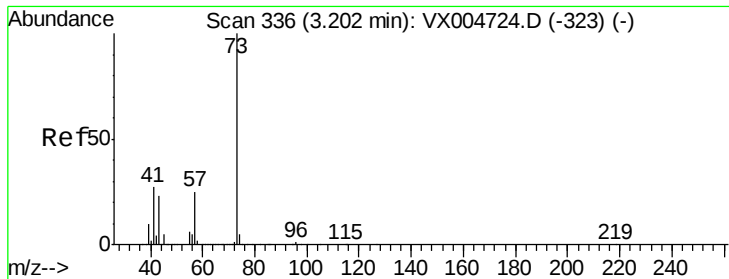
Tot Ion: 76 Resp: 352813
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 68.093 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 43 Resp: 318351
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.8

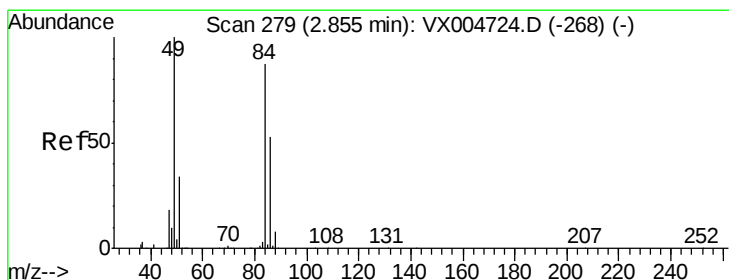
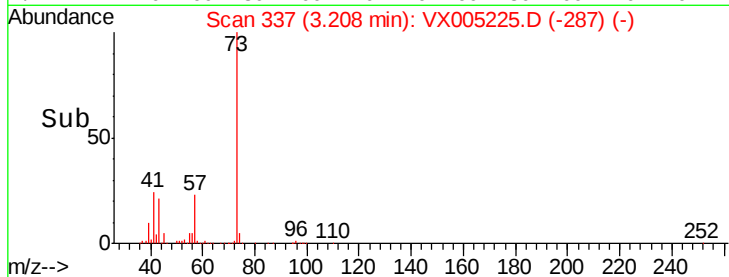
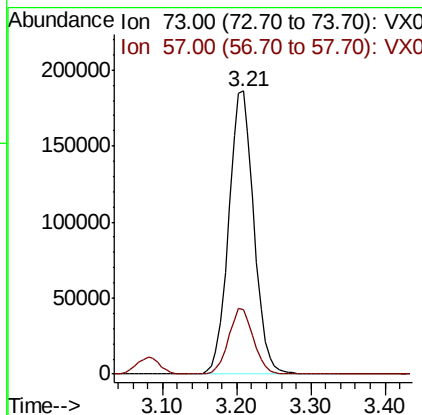
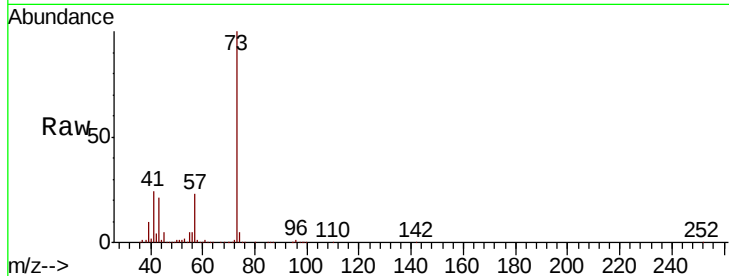




#19
Methyl tert-butyl Ether
Concen: 53.093 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

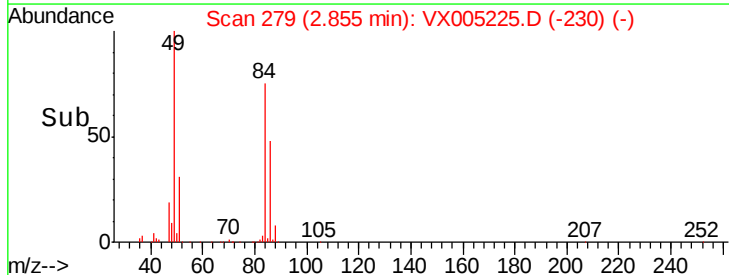
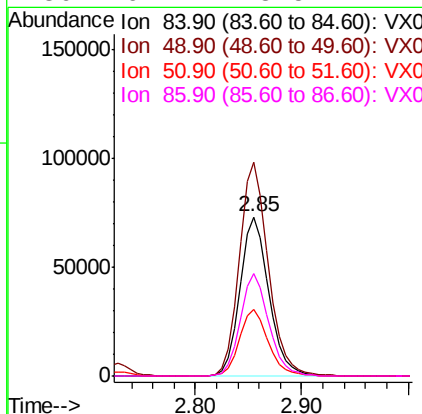
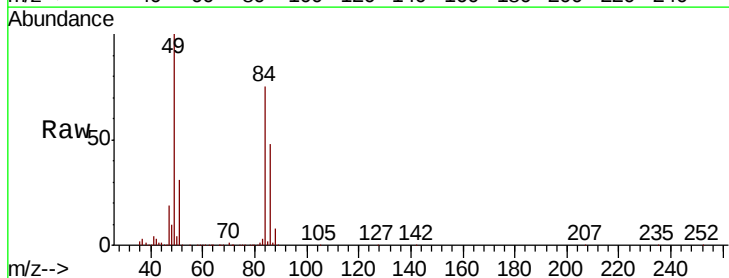
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

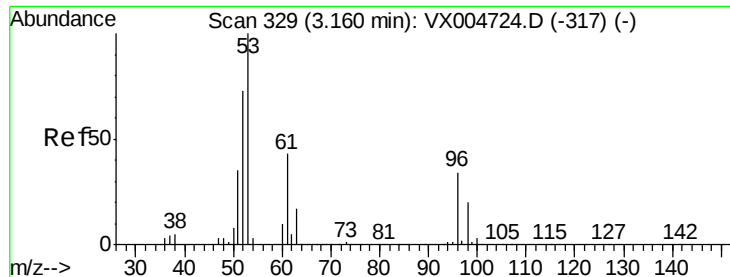
Tot Ion: 73 Resp: 439056
Ion Ratio Lower Upper
73 100
57 22.6 19.9 29.9



#20
Methylene Chloride
Concen: 51.989 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 84 Resp: 139396
Ion Ratio Lower Upper
84 100
49 134.1 92.3 138.5
51 41.4 31.8 47.6
86 64.2 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.190 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

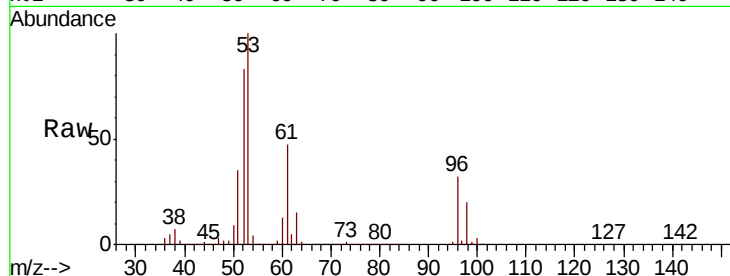
Tot Ion: 96 Resp: 129095

Ion Ratio Lower Upper

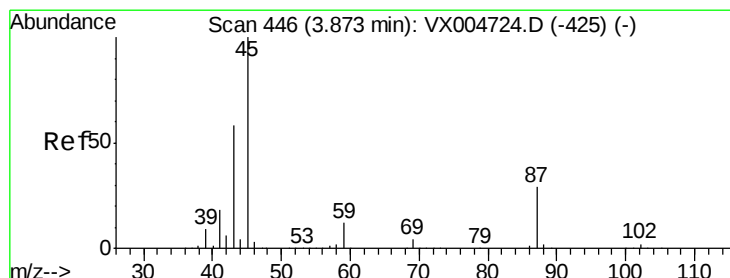
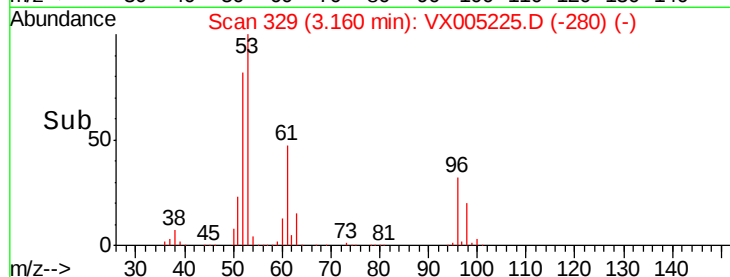
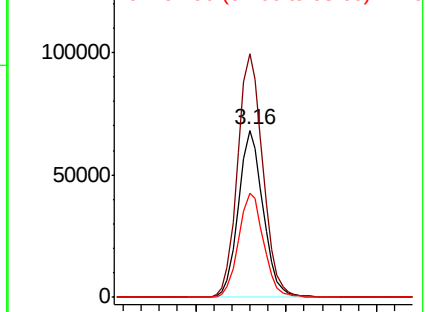
96 100

61 145.2 101.0 151.6

98 62.2 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: 49.190 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Tgt Ion: 45 Resp: 433291

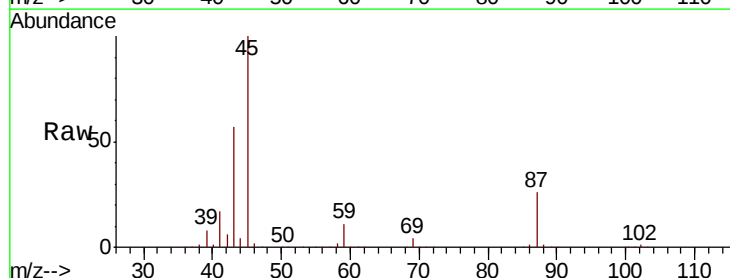
Ion Ratio Lower Upper

45 100

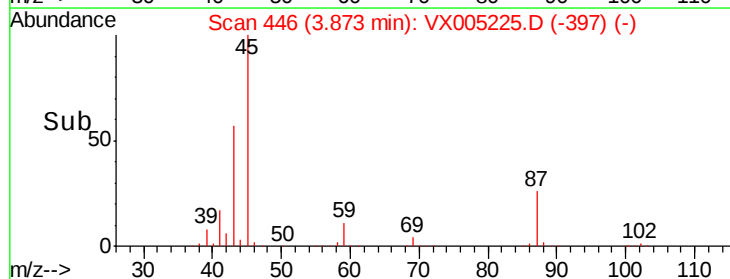
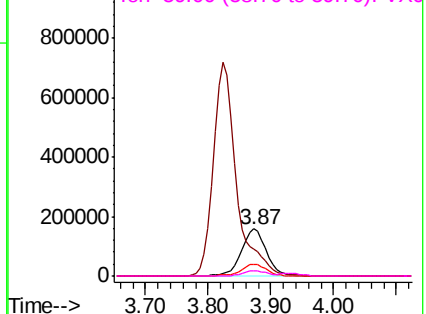
43 56.7 46.7 70.1

87 25.9 22.9 34.3

59 11.0 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: 227.638 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

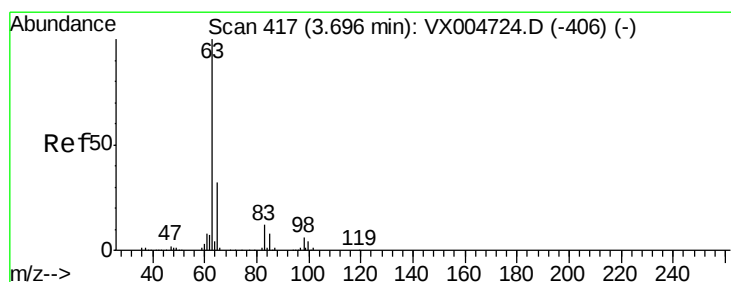
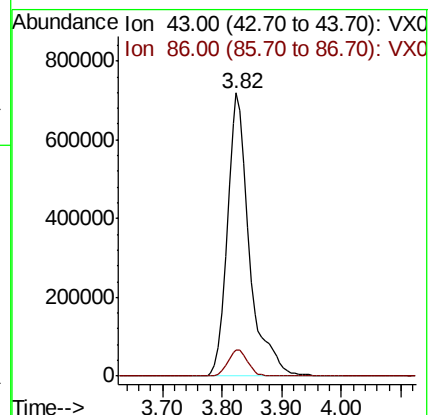
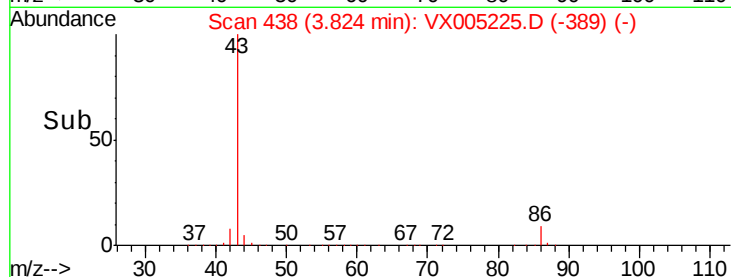
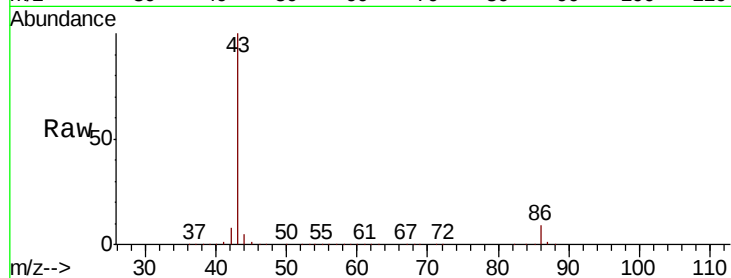
RE-109D2-20181005MS

Tot Ion: 43 Resp: 1835441

Ion Ratio Lower Upper

43 100

86 9.4 8.1 12.1



#24

1,1-Dichloroethane

Concen: 49.646 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

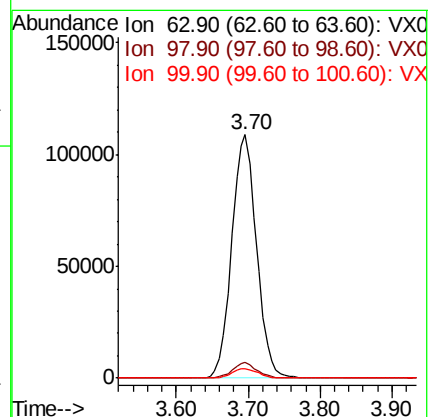
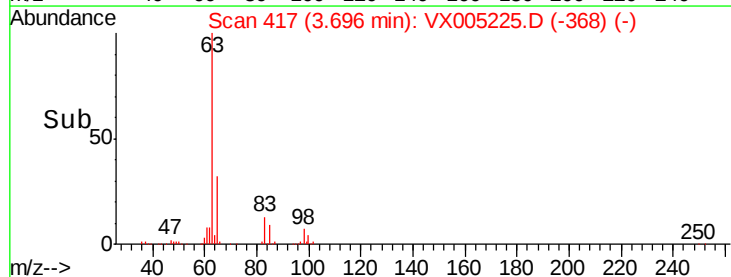
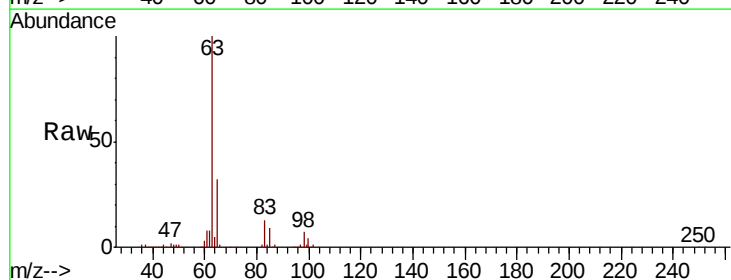
Tgt Ion: 63 Resp: 260860

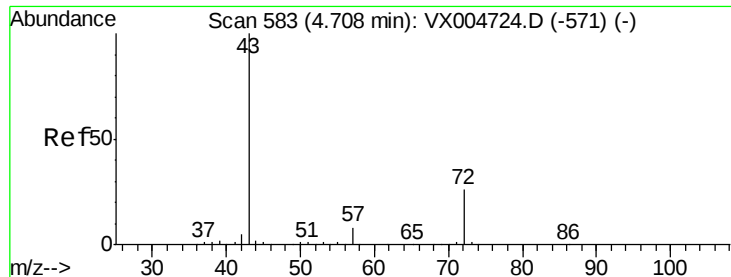
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 241.762 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

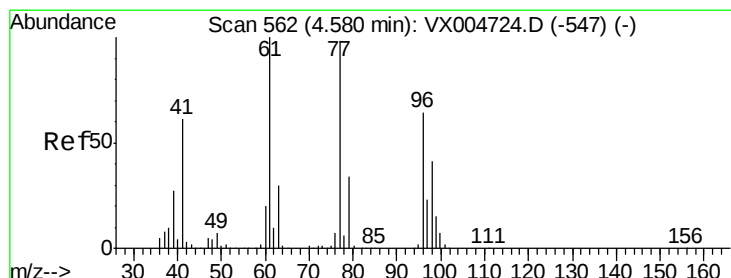
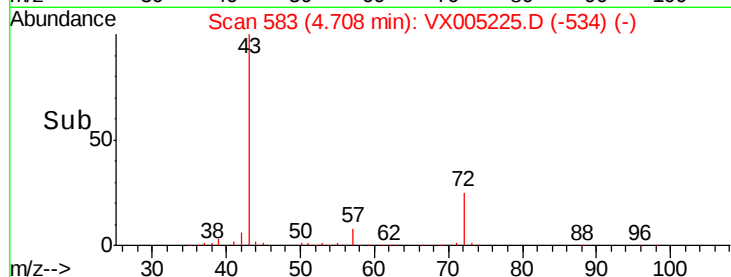
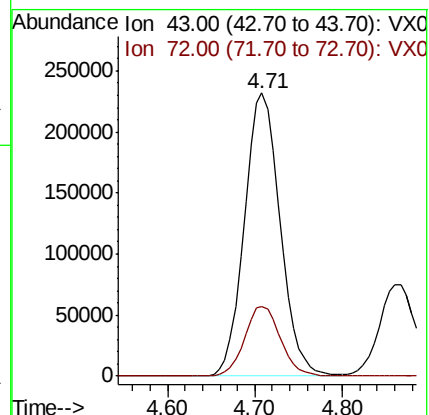
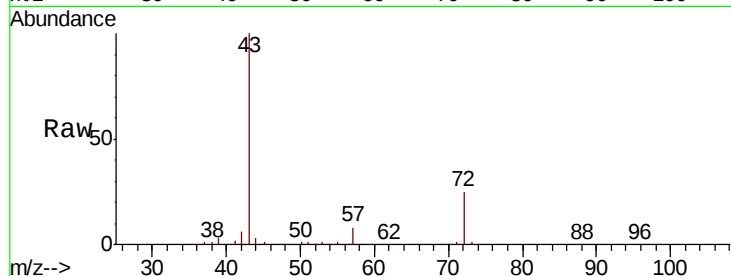
RE-109D2-20181005MS

Tot Ion: 43 Resp: 657596

Ion Ratio Lower Upper

43 100

72 24.8 20.8 31.2



#26

2,2-Dichloropropane

Concen: 37.494 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005225.D

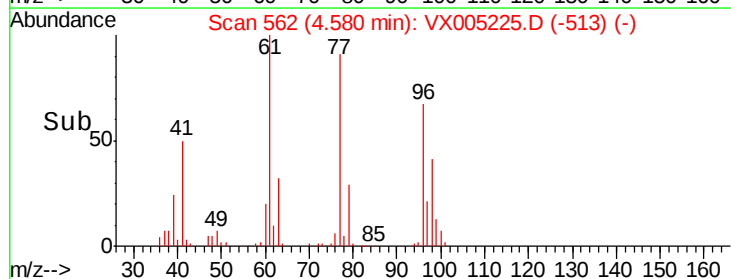
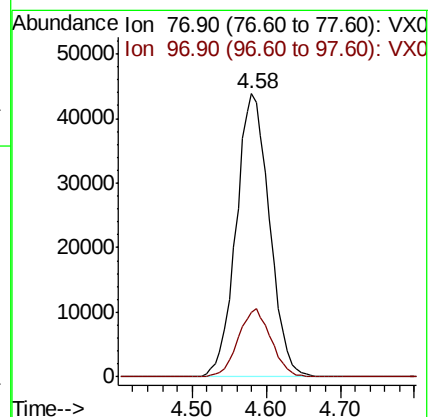
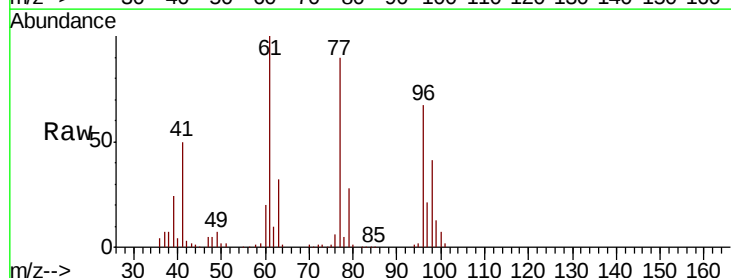
Acq: 10 Oct 2018 23:36

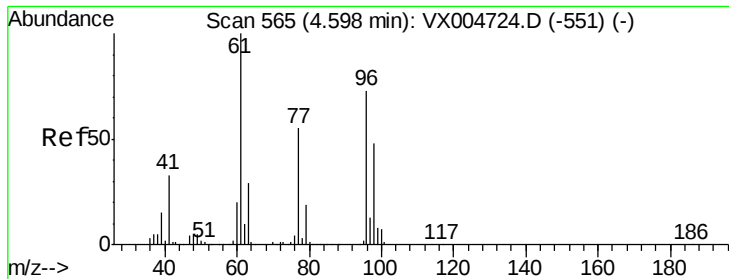
Tgt Ion: 77 Resp: 137190

Ion Ratio Lower Upper

77 100

97 23.7 12.6 37.8



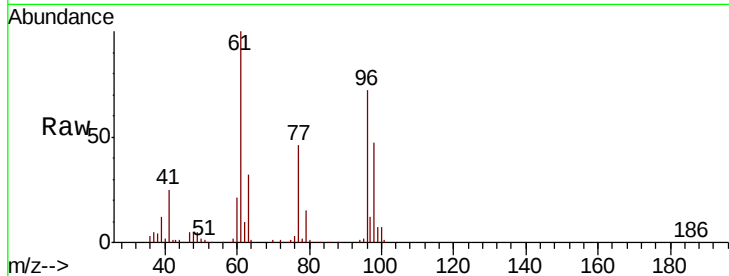


#27

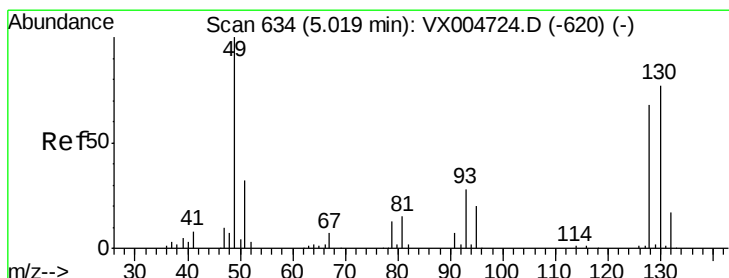
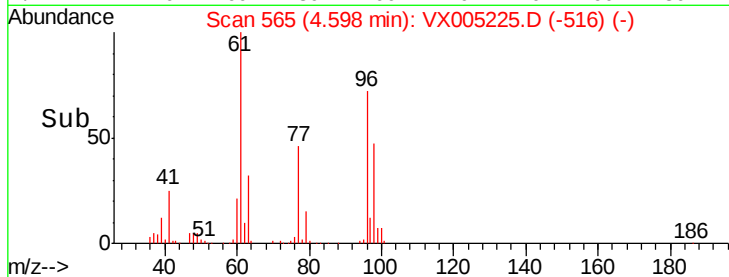
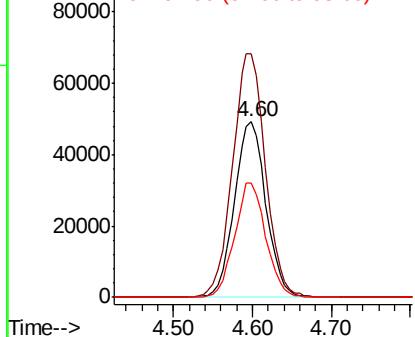
cis-1,2-Dichloroethene
 Concen: 46.628 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

Tot Ion: 96 Resp: 136704
 Ion Ratio Lower Upper
 96 100
 61 144.6 0.0 285.8
 98 64.6 0.0 136.2



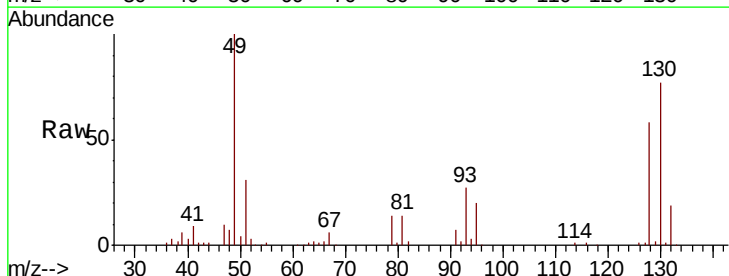
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



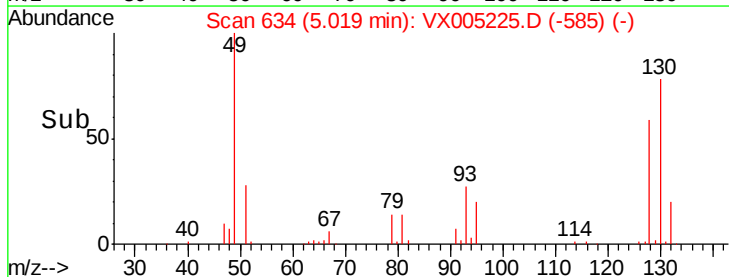
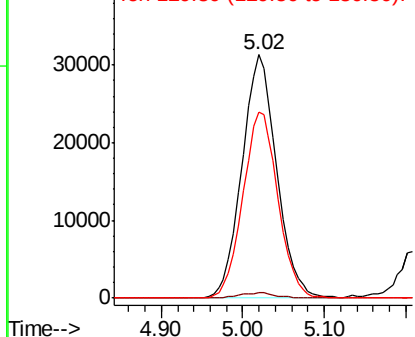
#28

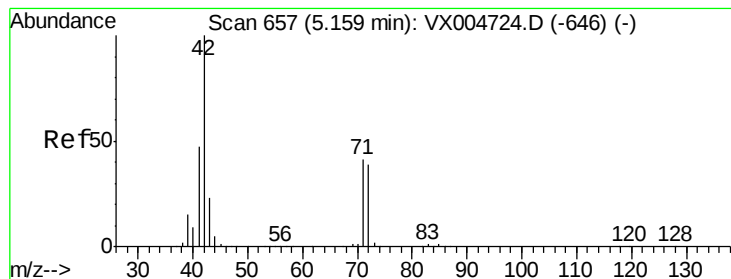
Bromochloromethane
 Concen: 37.395 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion: 49 Resp: 92529
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 4.2
 130 77.3 62.0 93.0



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





#29

Tetrahydrofuran

Concen: 256.622 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

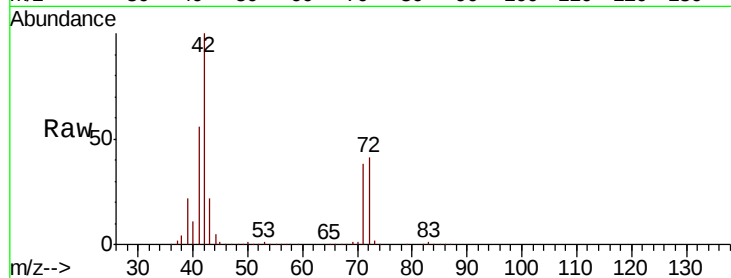
Tot Ion: 42 Resp: 433840

Ion Ratio Lower Upper

42 100

72 41.4 33.7 50.5

71 38.5 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

5.16

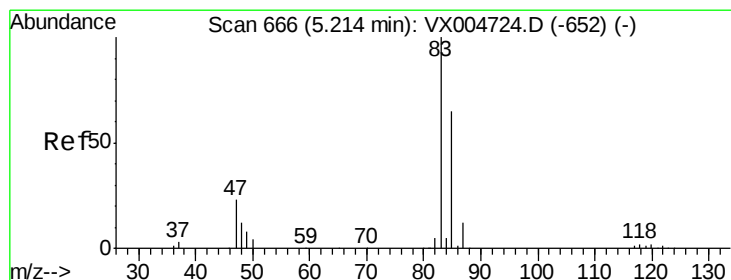
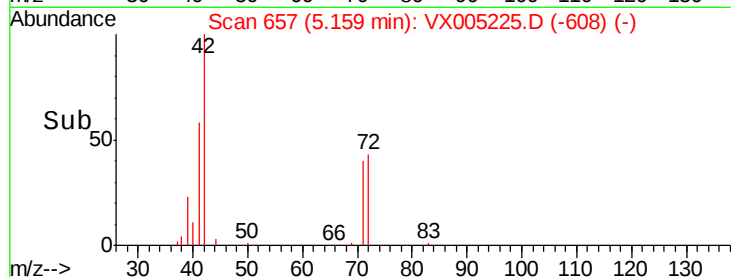
150000

100000

50000

0

Time-->



#30

Chloroform

Concen: 47.757 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX005225.D

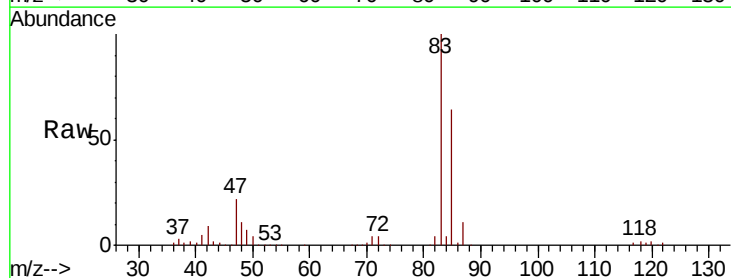
Acq: 10 Oct 2018 23:36

Tgt Ion: 83 Resp: 237156

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

5.21

80000

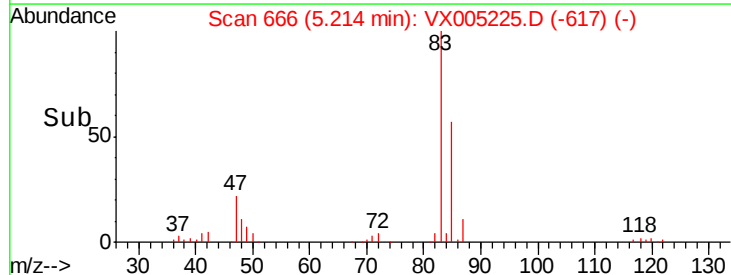
60000

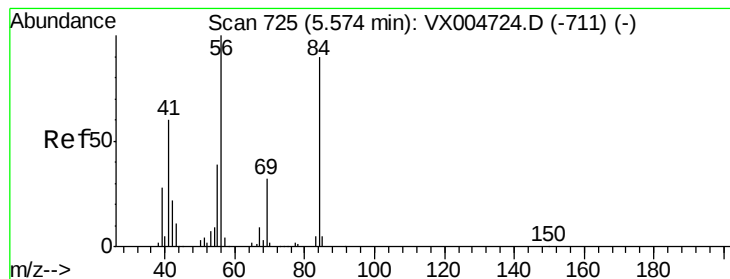
40000

20000

0

Time-->





#31

Cyclohexane

Concen: 49.862 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

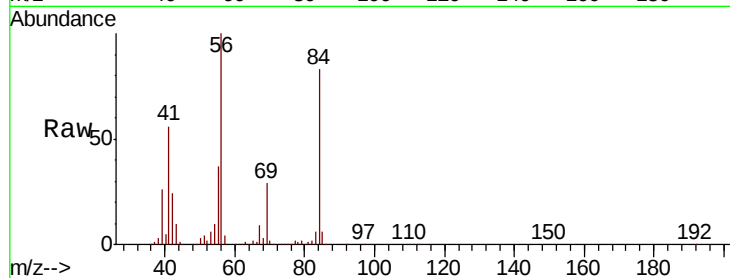
Tot Ion: 56 Resp: 200524

Ion Ratio Lower Upper

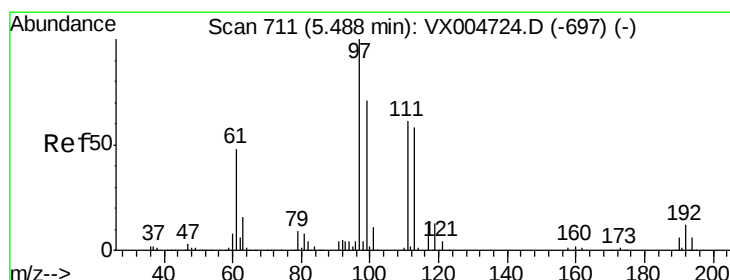
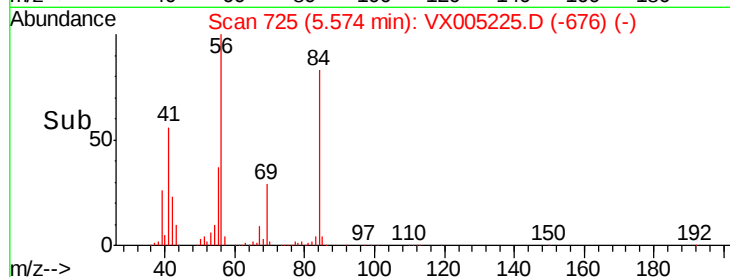
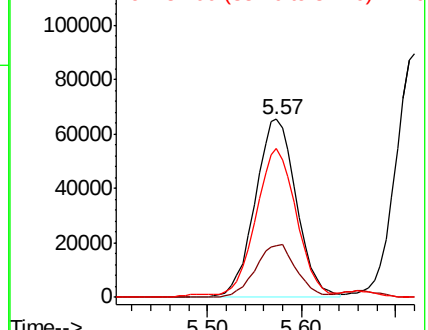
56 100

69 29.1 25.9 38.9

84 81.6 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: 50.331 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

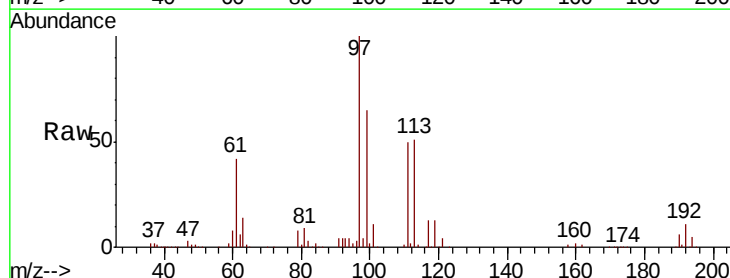
Tgt Ion: 97 Resp: 204121

Ion Ratio Lower Upper

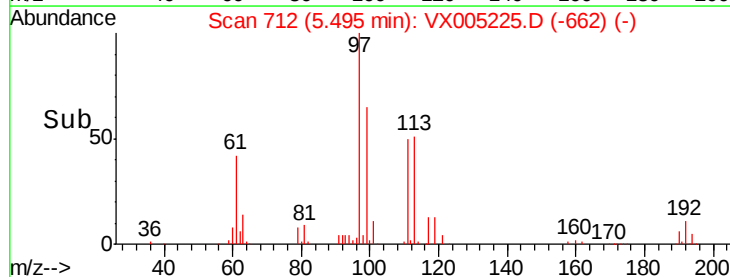
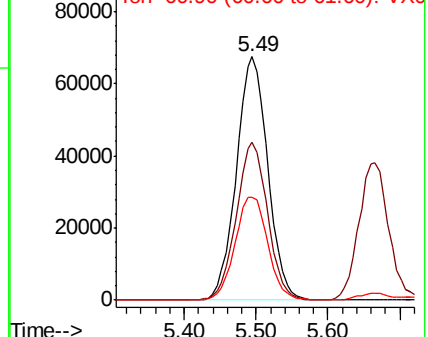
97 100

99 64.6 54.6 82.0

61 44.4 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: 39.771 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

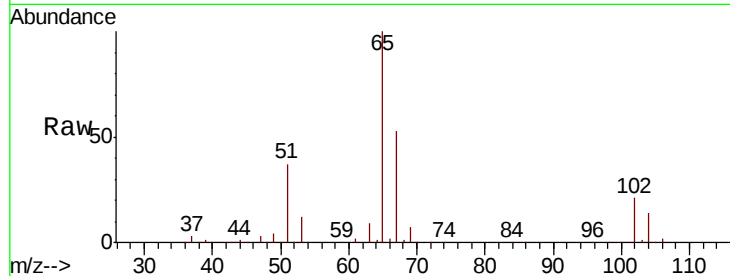
RE-109D2-20181005MS

Tot Ion: 65 Resp: 125704

Ion Ratio Lower Upper

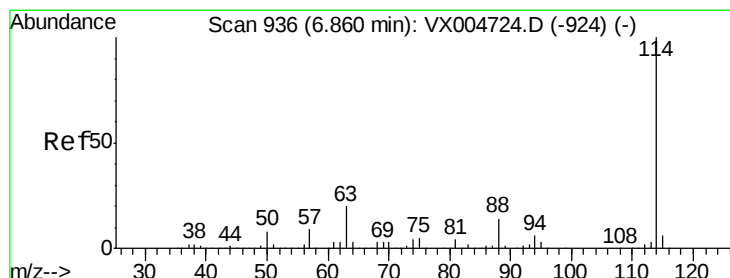
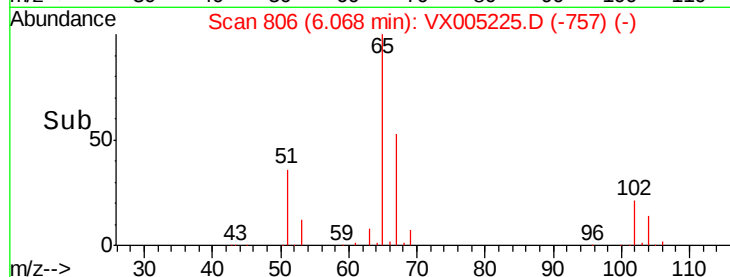
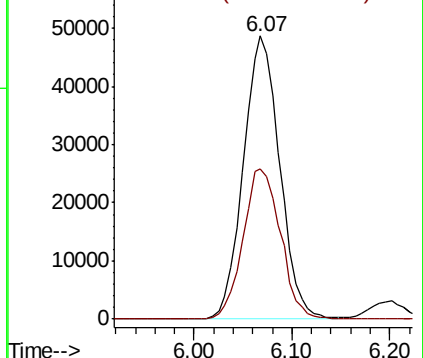
65 100

67 54.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

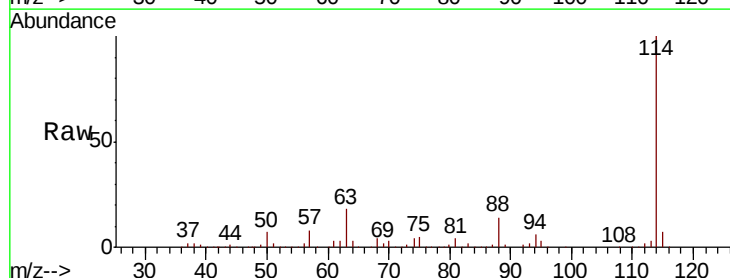
Tgt Ion: 114 Resp: 329144

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.8

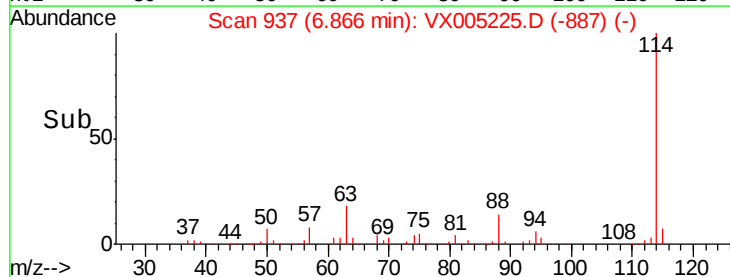
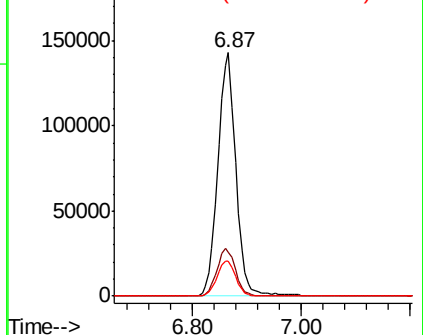
88 14.2 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 37.380 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

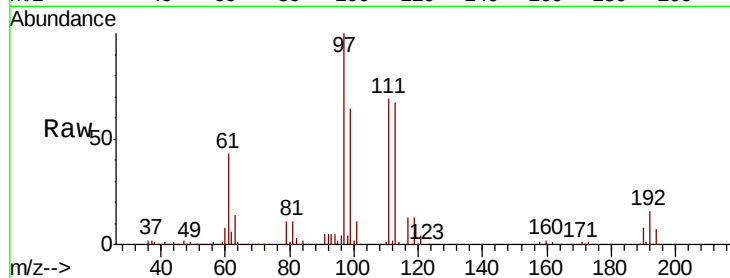
Tot Ion:113 Resp: 104272

Ion Ratio Lower Upper

113 100

111 101.5 77.0 115.4

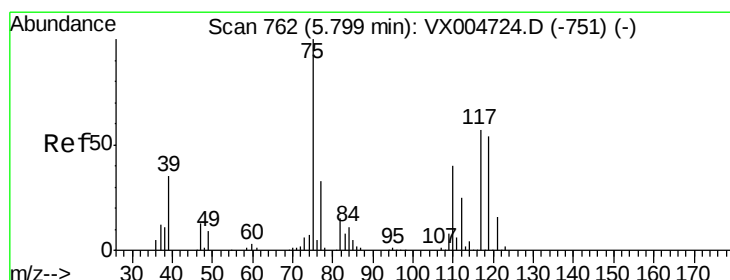
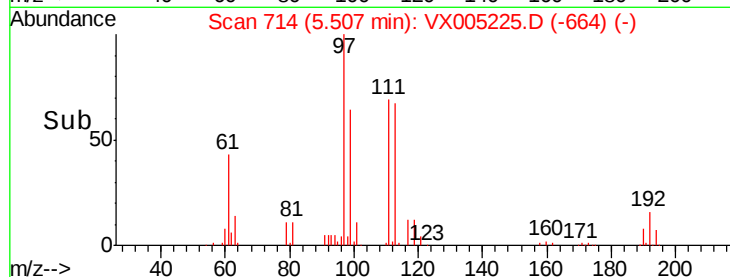
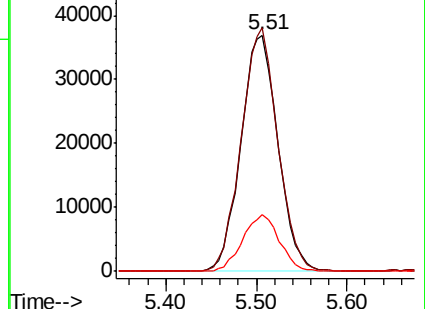
192 23.7 17.0 25.6



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: 47.567 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

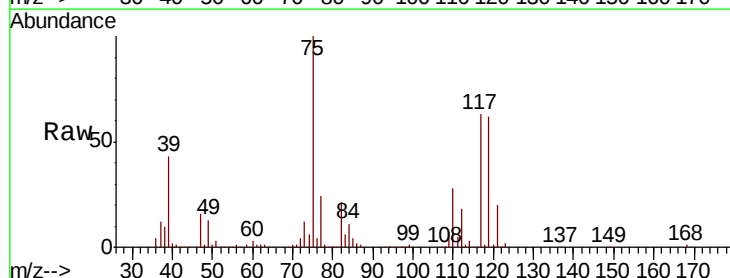
Tgt Ion: 75 Resp: 181039

Ion Ratio Lower Upper

75 100

110 34.3 20.0 59.9

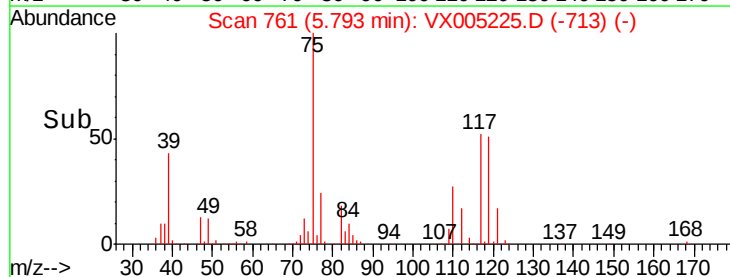
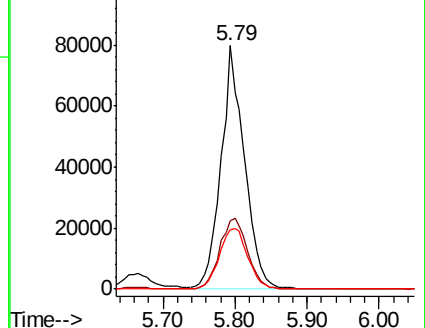
77 30.7 27.1 40.7

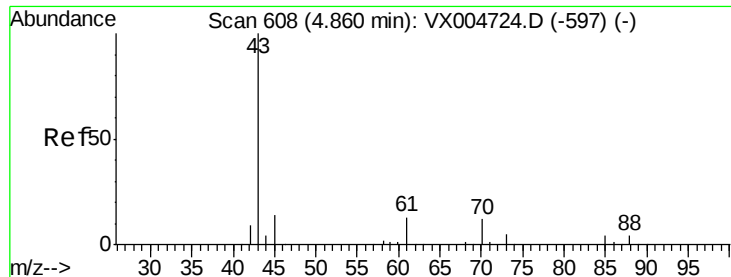


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

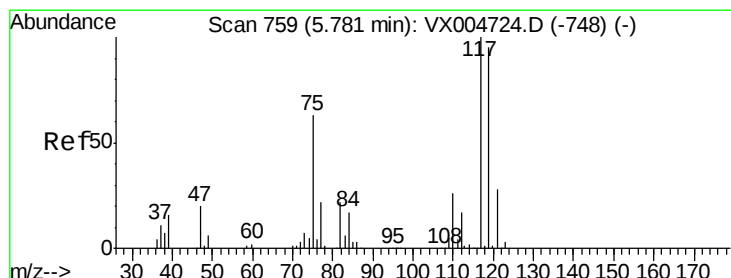
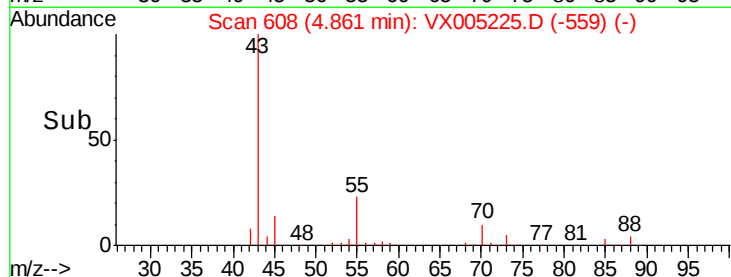
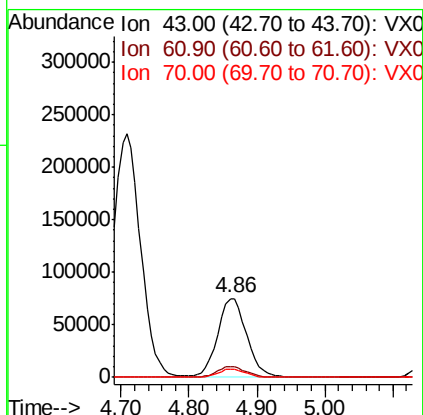
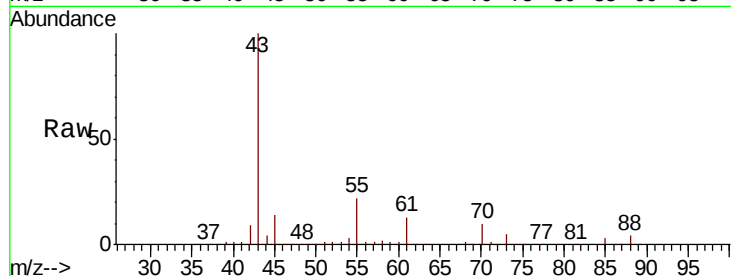




#37
Ethyl Acetate
Concen: 43.911 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

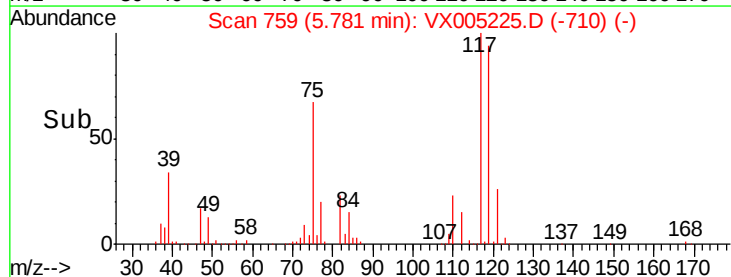
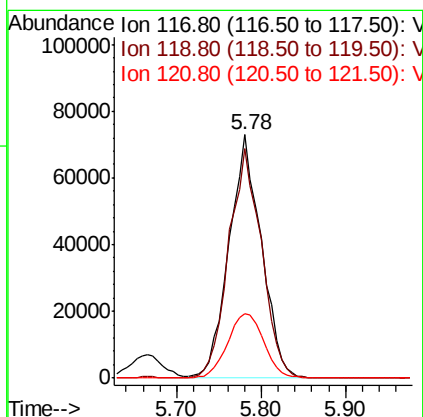
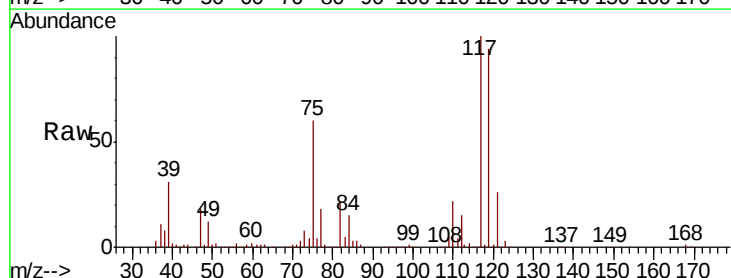
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

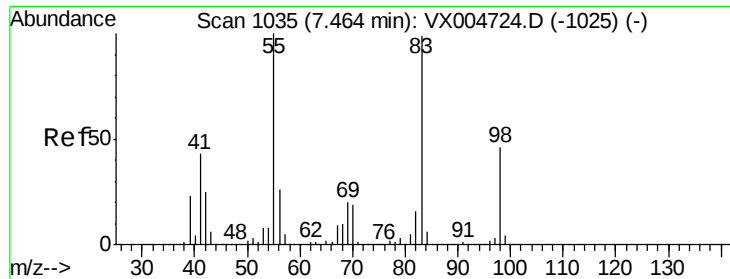
Tot Ion: 43 Resp: 221841
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 10.2 8.7 13.1



#38
Carbon Tetrachloride
Concen: 47.413 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 117 Resp: 189686
Ion Ratio Lower Upper
117 100
119 94.0 75.2 112.8
121 26.4 22.5 33.7

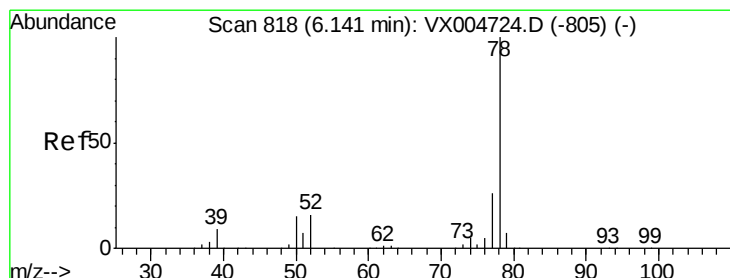
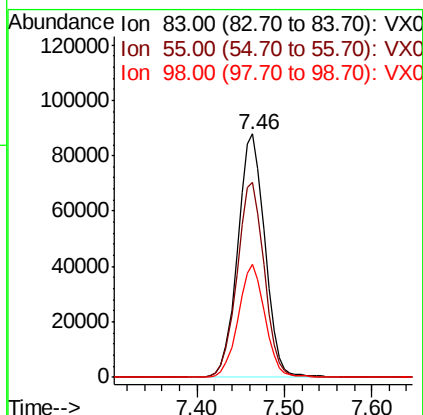
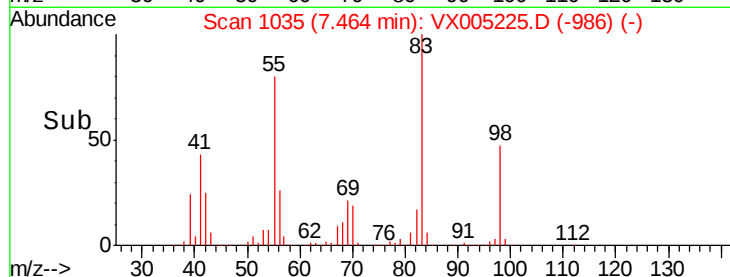
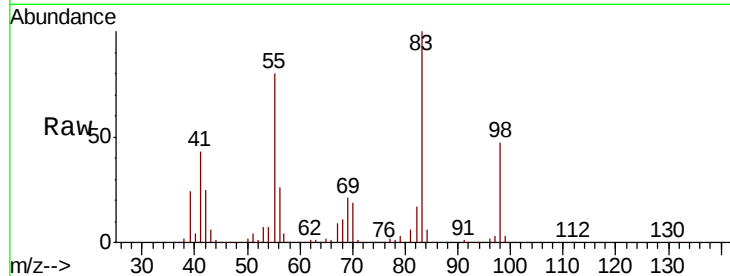




#39
Methylvlcvclohexane
Concen: 48.935 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

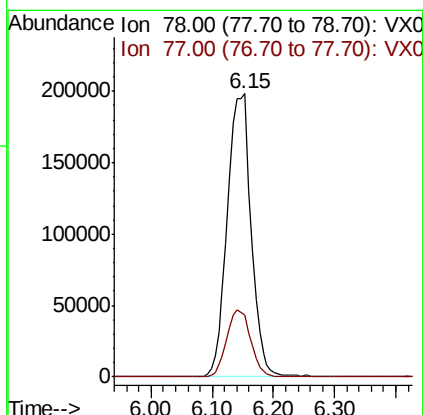
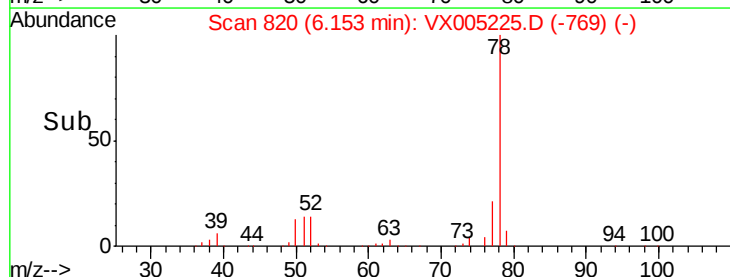
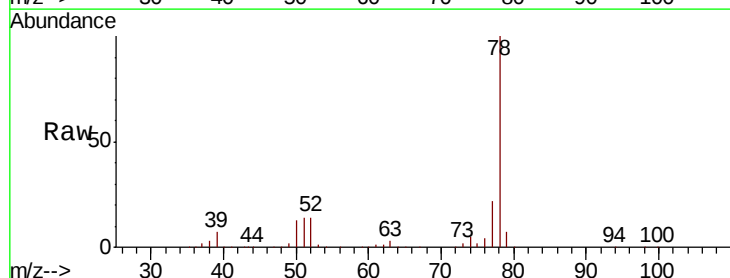
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

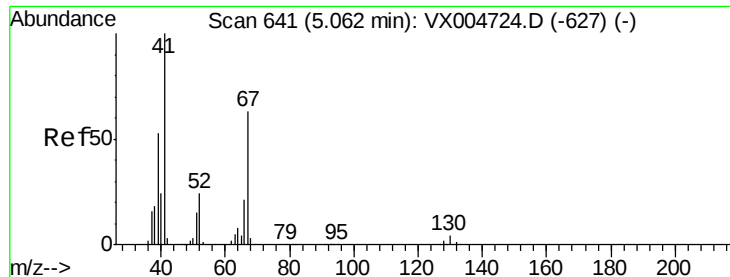
Tot Ion: 83 Resp: 190177
Ion Ratio Lower Upper
83 100
55 80.0 81.1 121.7#
98 46.6 37.3 55.9



#40
Benzene
Concen: 44.944 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 78 Resp: 535521
Ion Ratio Lower Upper
78 100
77 22.0 21.0 31.4





#41

Methacrylonitrile

Concen: 45.773 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

Tot Ion: 41 Resp: 128245

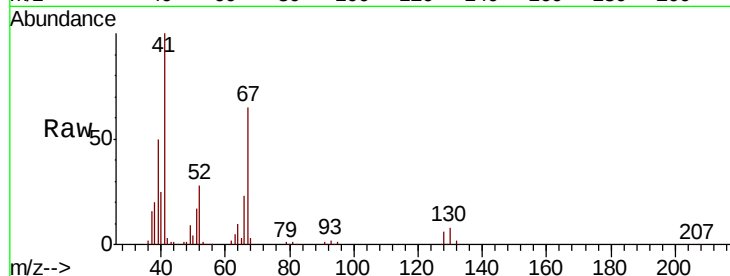
Ion Ratio Lower Upper

41 100

39 53.1 42.5 63.7

67 67.6 53.0 79.6

52 28.4 19.8 29.8

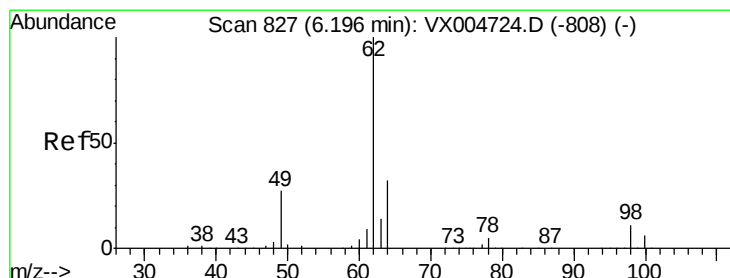
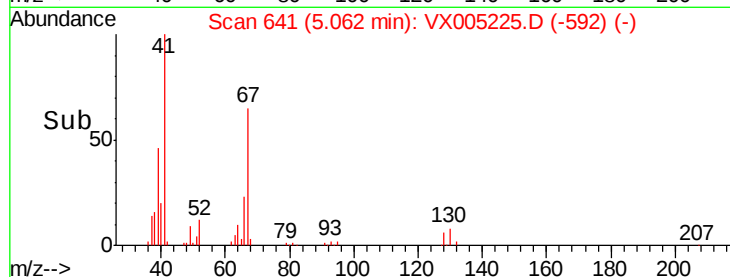
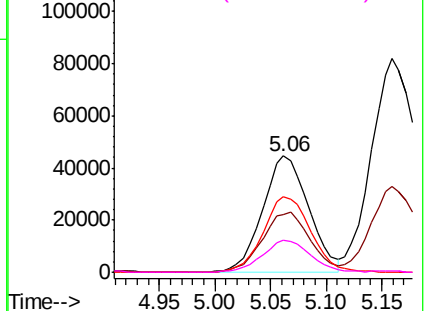


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 44.915 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX005225.D

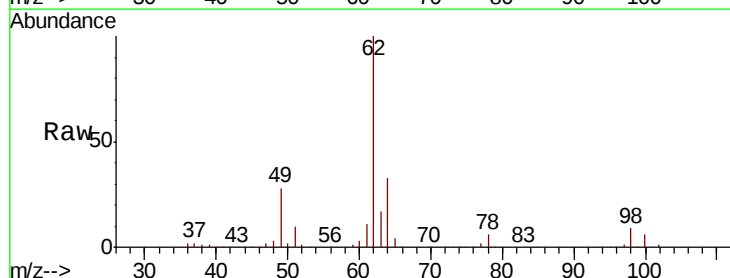
Acq: 10 Oct 2018 23:36

Tgt Ion: 62 Resp: 189192

Ion Ratio Lower Upper

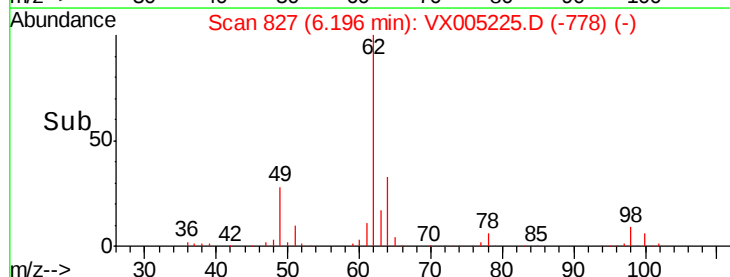
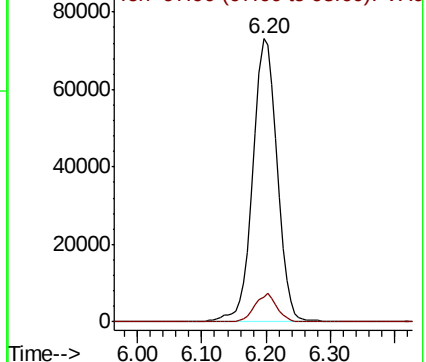
62 100

98 9.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 45.530 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

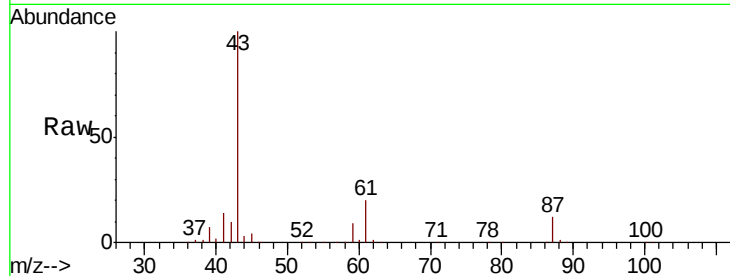
MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

Tot Ion: 43 Resp: 331997

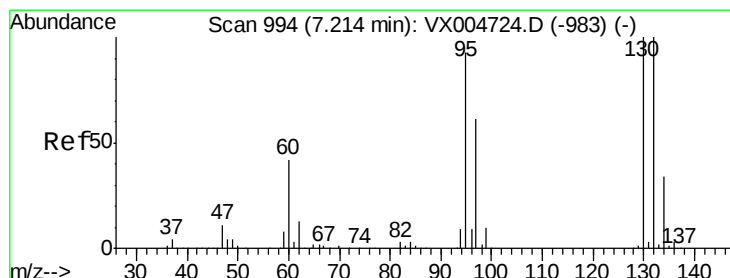
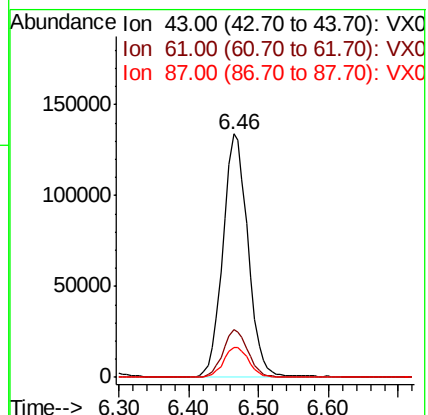
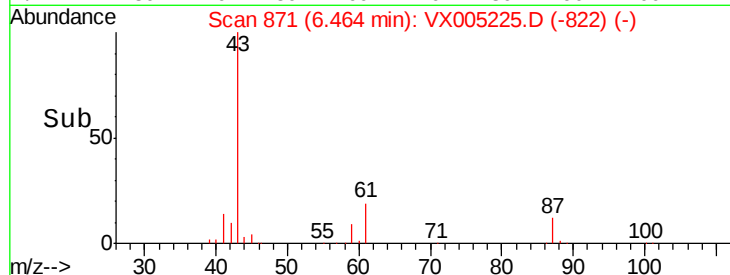
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.2	21.4
87	12.7	9.3	13.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 73.659 ug/l

RT: 7.21 min Scan# 994

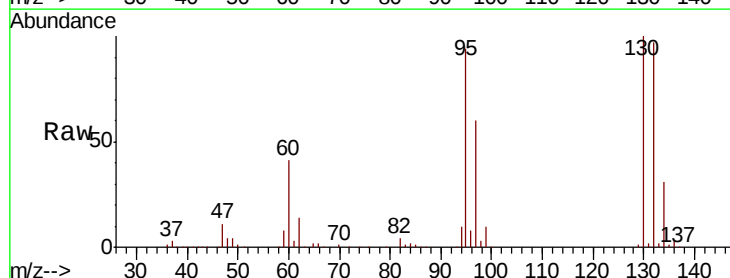
Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

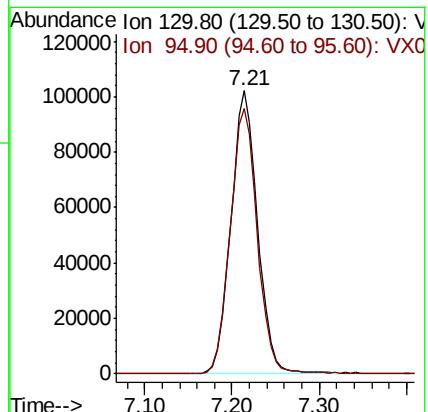
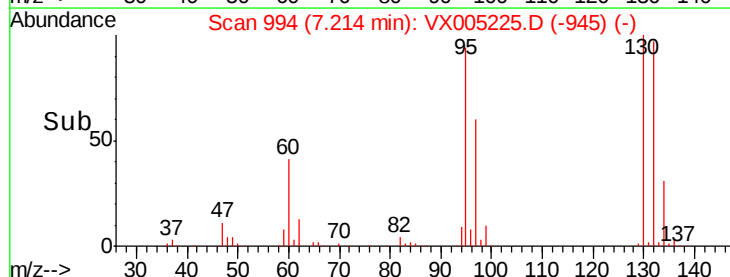
Tgt Ion:130 Resp: 215757

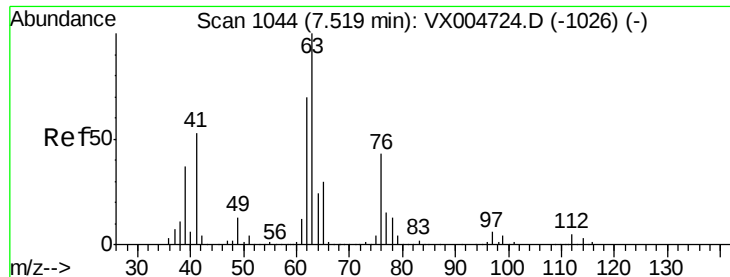
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

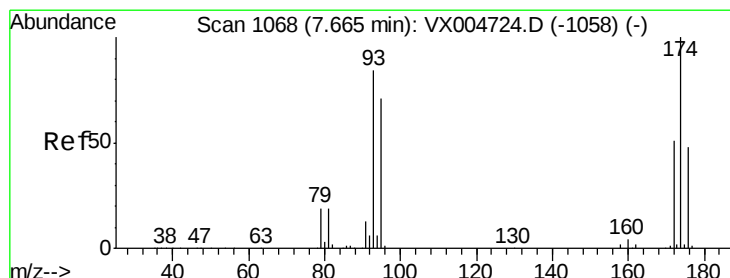
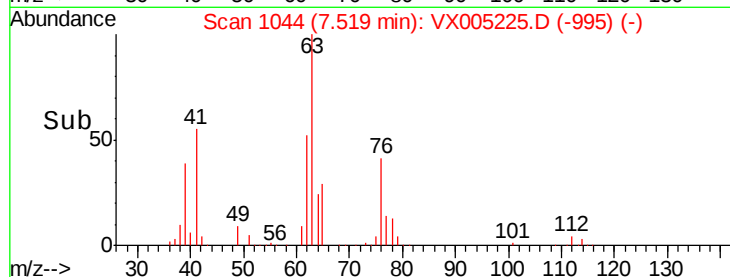
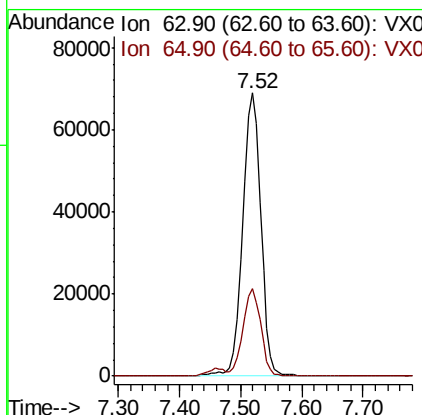
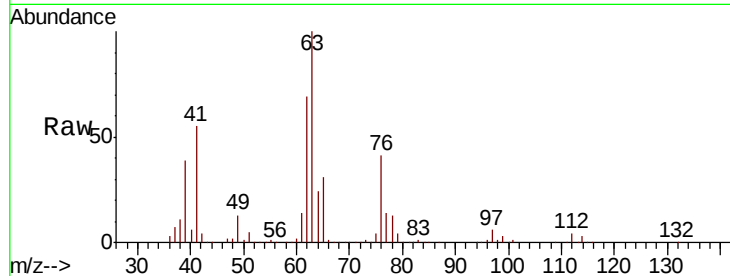




#45
 1,2-Dichloropropane
 Concen: 48.463 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

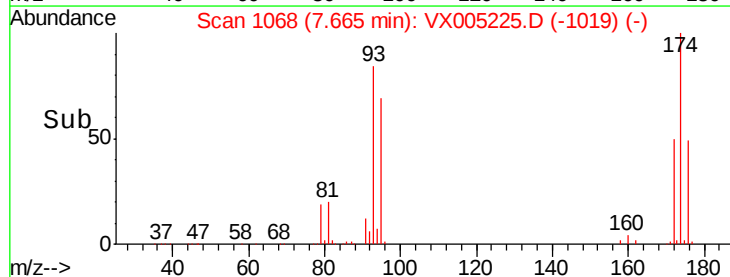
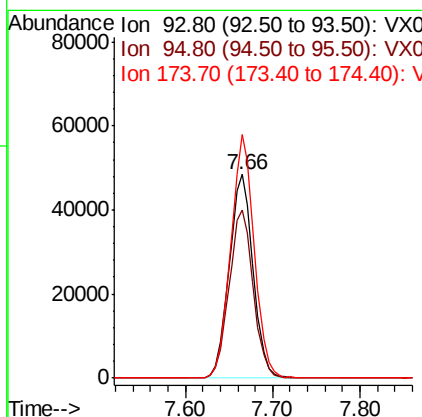
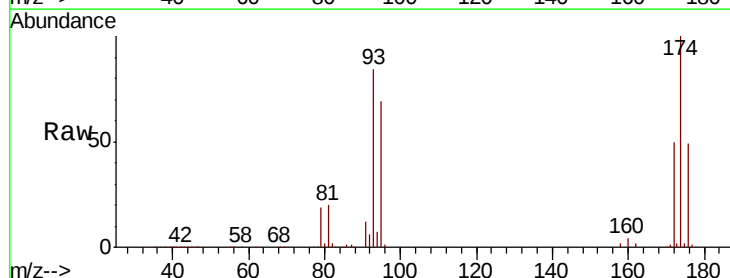
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

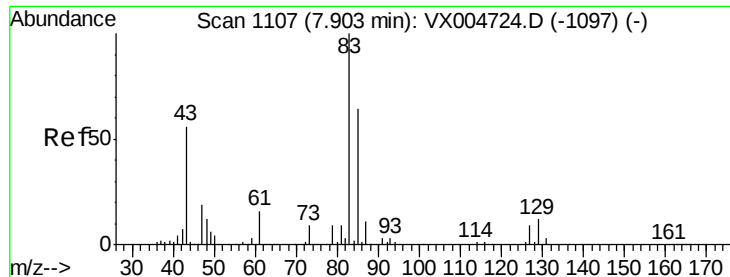
Tot Ion: 63 Resp: 141610
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.9 35.9



#46
 Dibromomethane
 Concen: 50.026 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion: 93 Resp: 91867
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 117.6 92.7 139.1





#47

Bromodichloromethane

Concen: 51.939 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

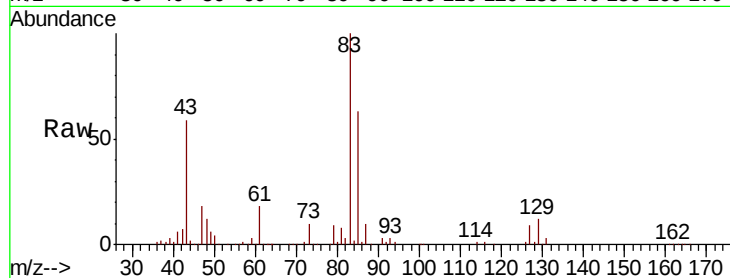
Tot Ion: 83 Resp: 178575

Ion Ratio Lower Upper

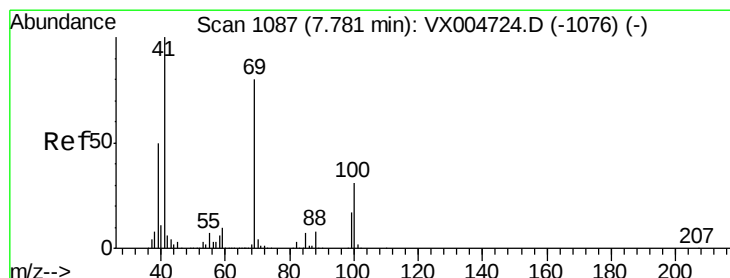
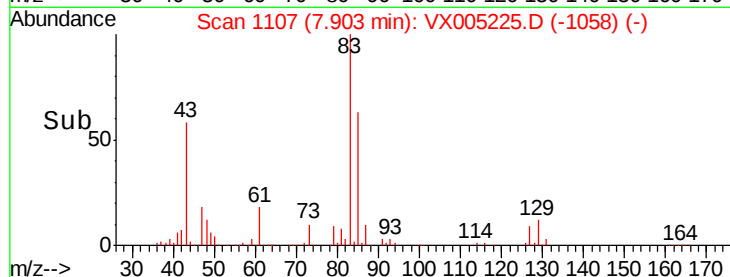
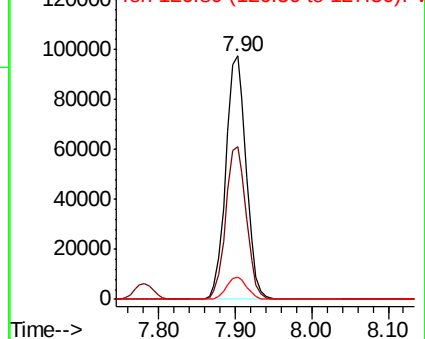
83 100

85 62.9 51.2 76.8

127 8.9 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: 55.289 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

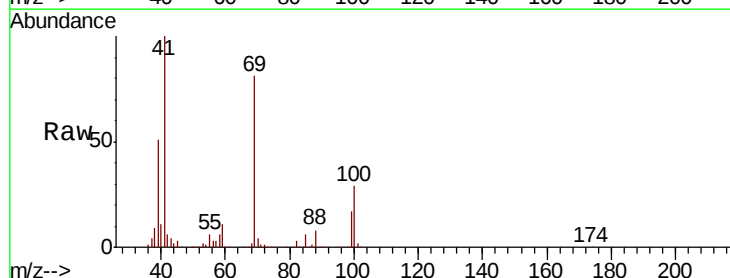
Tgt Ion: 41 Resp: 182989

Ion Ratio Lower Upper

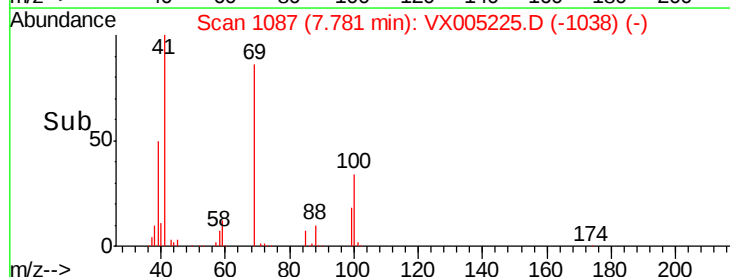
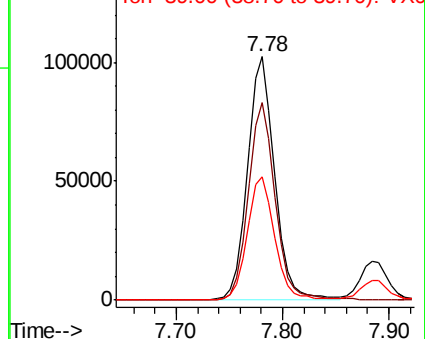
41 100

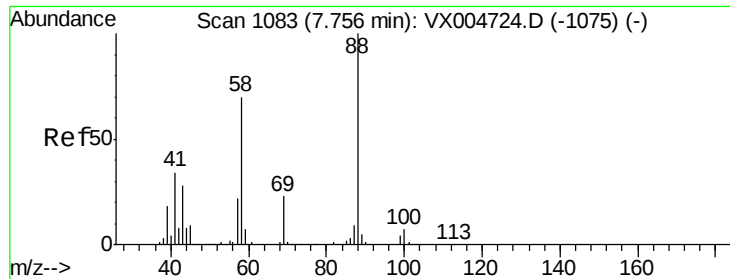
69 81.1 63.8 95.6

39 51.3 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

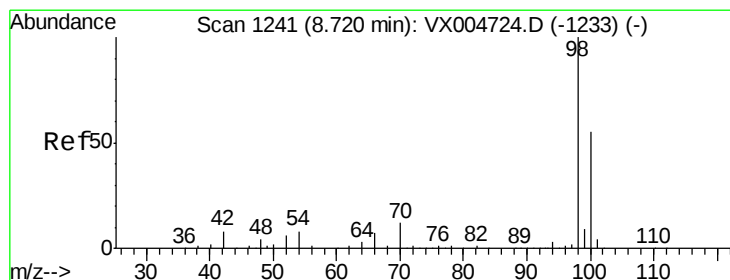
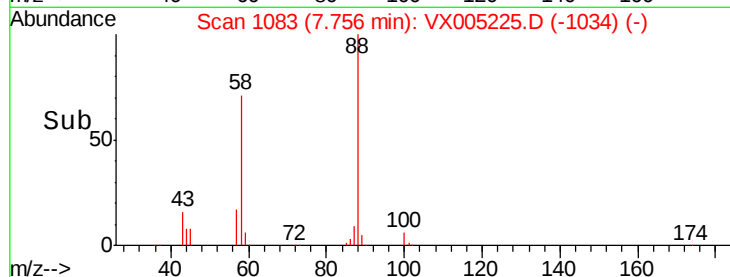
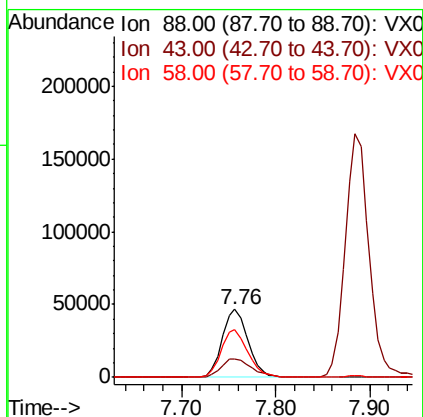
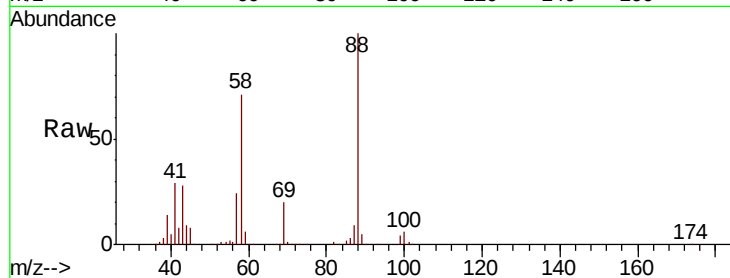




#49
1,4-Dioxane
Concen: 1084.499 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

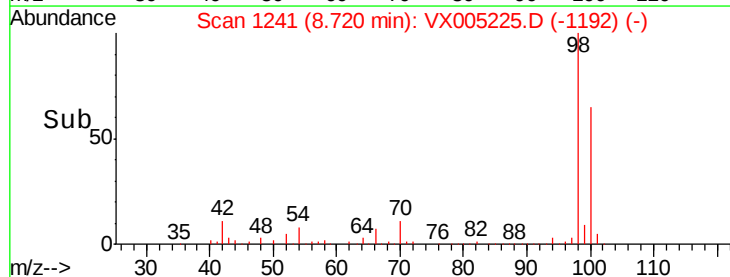
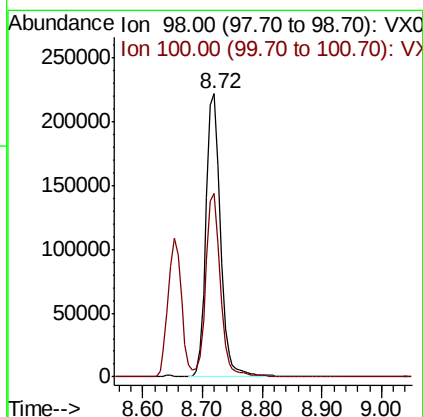
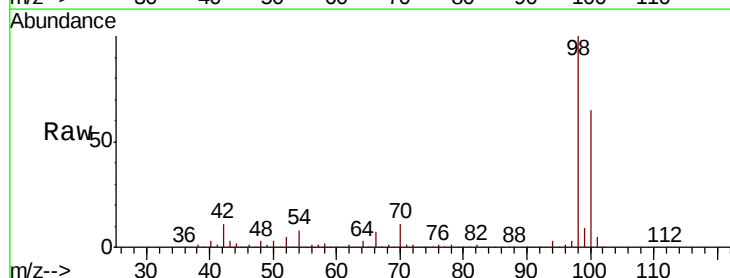
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

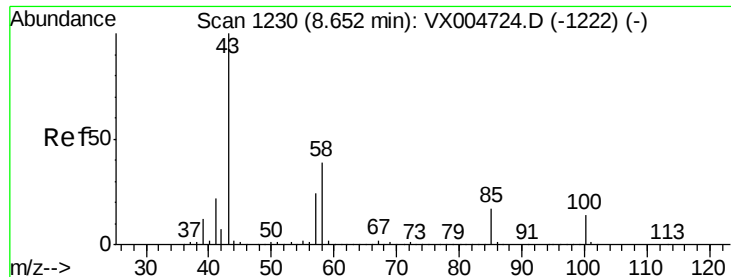
Tot Ion: 88 Resp: 89173
Ion Ratio Lower Upper
88 100
43 31.7 25.1 37.7
58 72.7 56.2 84.2



#50
Toluene-d8
Concen: 40.292 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 98 Resp: 373663
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

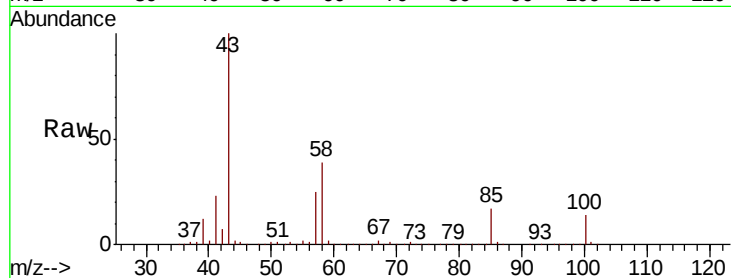




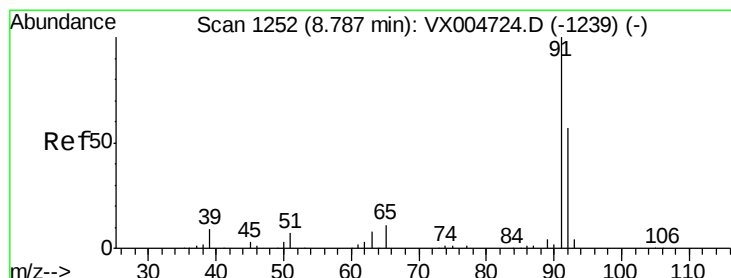
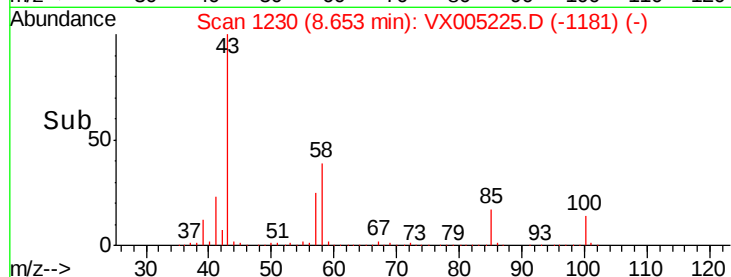
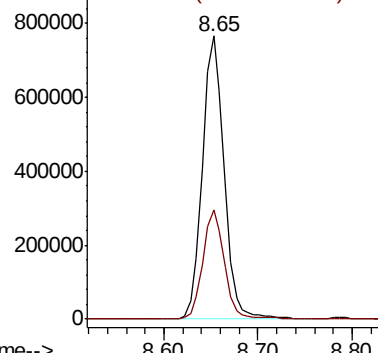
#51
 4-Methyl-2-Pentanone
 Concen: 267.166 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

Tot Ion: 43 Resp: 1226637
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.5 45.7

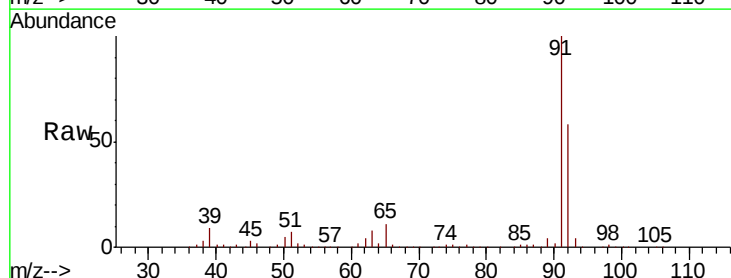


Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

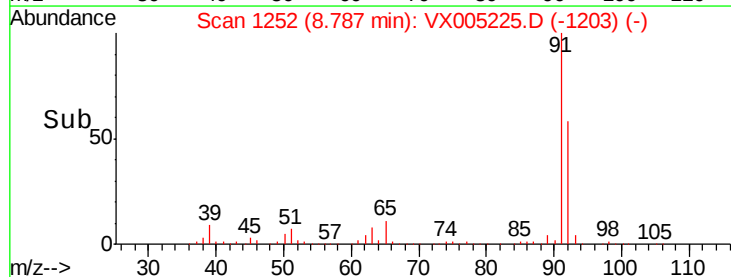
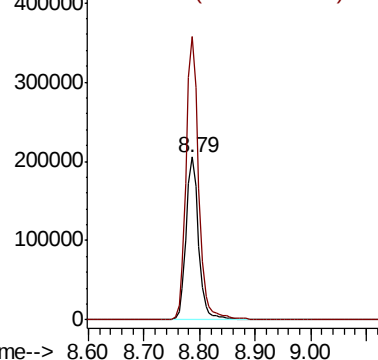


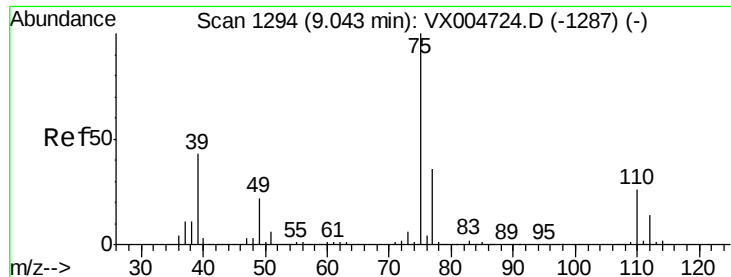
#52
 Toluene
 Concen: 49.868 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion: 92 Resp: 326500
 Ion Ratio Lower Upper
 92 100
 91 174.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0
 Ion 91.00 (90.70 to 91.70): VX0

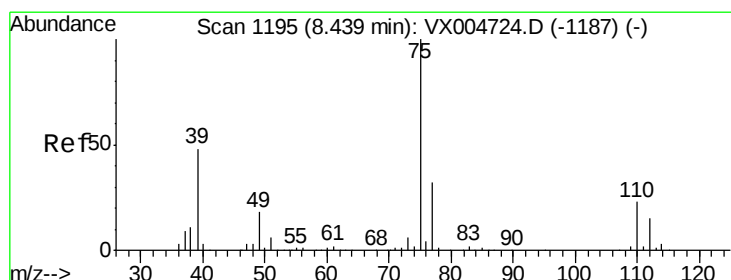
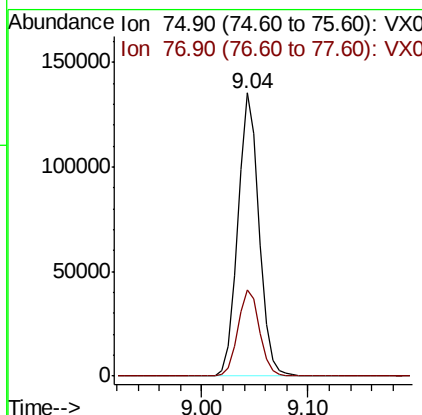
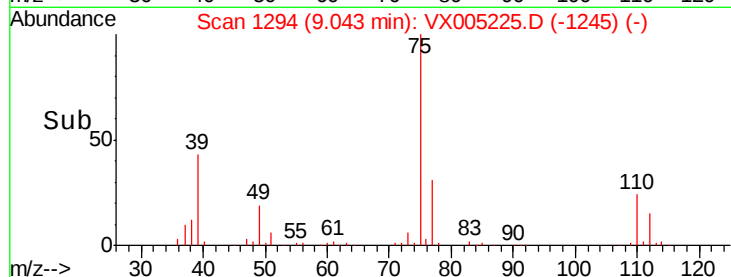
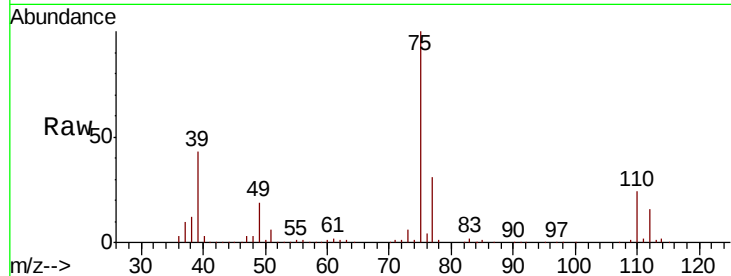




#53
 t-1,3-Dichloropropene
 Concen: 48.664 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

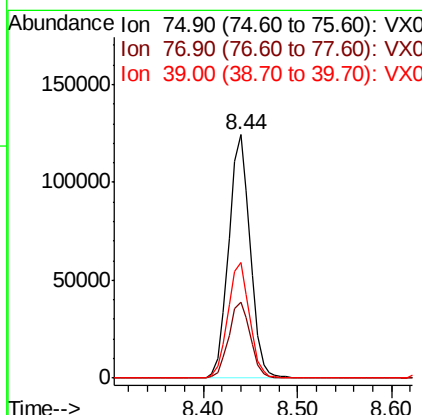
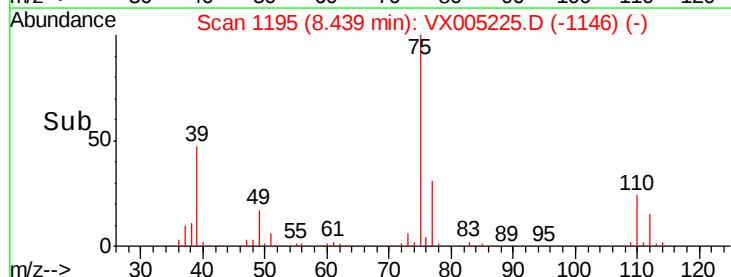
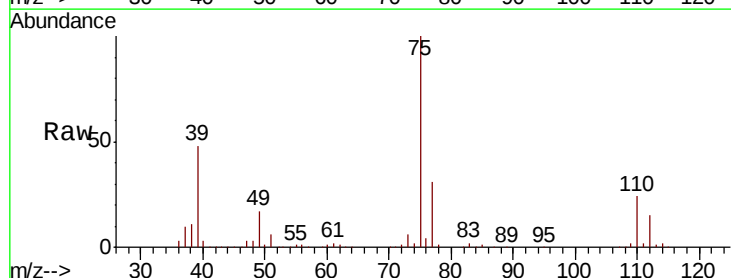
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

Tot Ion: 75 Resp: 189073
 Ion Ratio Lower Upper
 75 100
 77 30.6 28.9 43.3



#54
 cis-1,3-Dichloropropene
 Concen: 48.374 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion: 75 Resp: 196857
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.7 38.5
 39 47.4 38.3 57.5

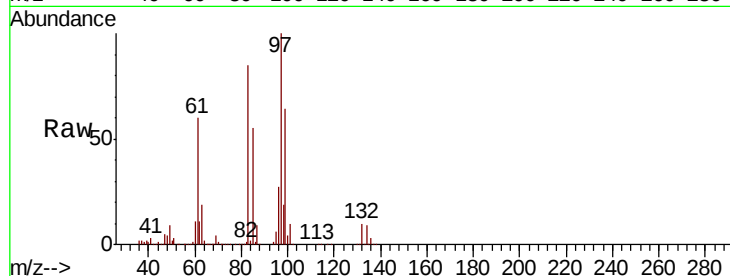




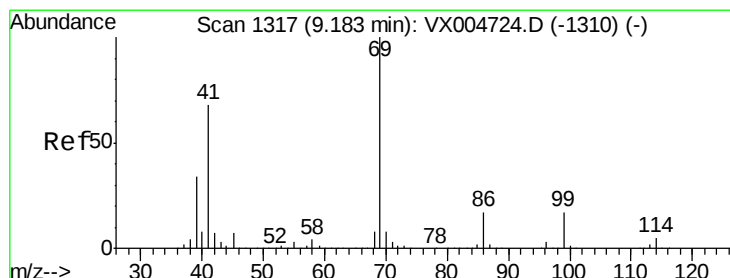
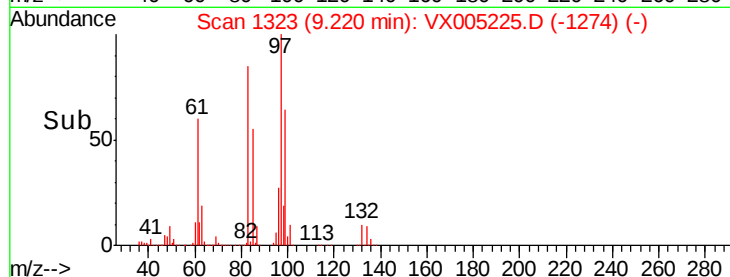
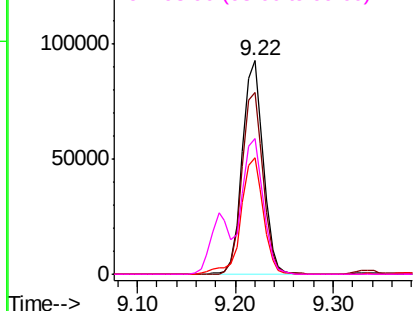
#55
 1,1,2-Trichloroethane
 Concen: 47.916 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

Tot Ion:	97	Resp:	137419
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.2	102.2
85	54.7	49.9	74.9
99	63.7	48.9	73.3

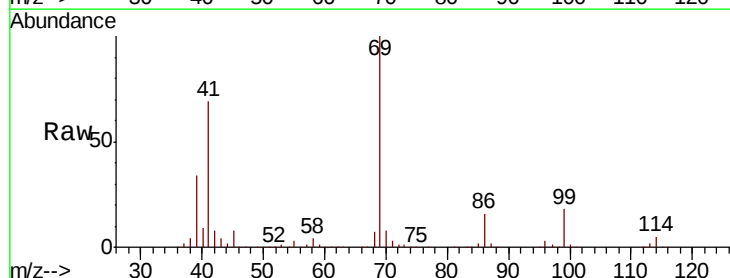


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

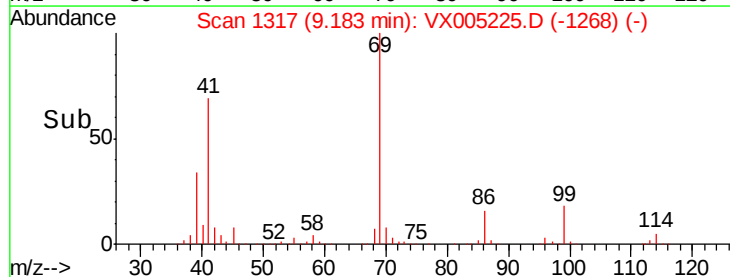
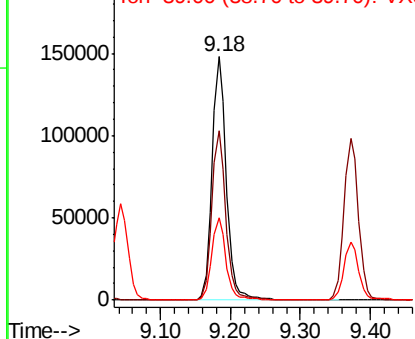


#56
 Ethyl methacrylate
 Concen: 45.300 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion:	69	Resp:	209493
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.9	85.3
39	33.9	28.4	42.6



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





#57

1,3-Dichloropropane

Concen: 48.399 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

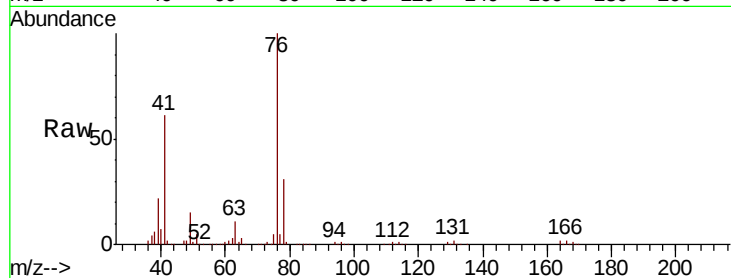
RE-109D2-20181005MS

Tot Ion: 76 Resp: 231018

Ion Ratio Lower Upper

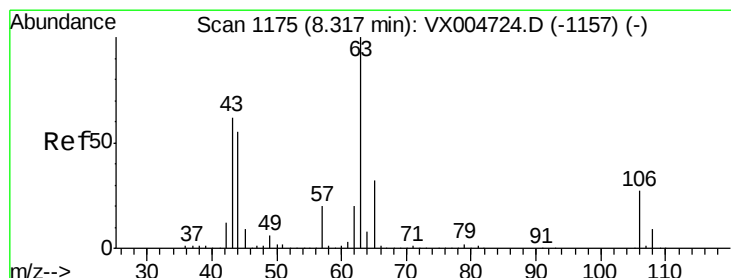
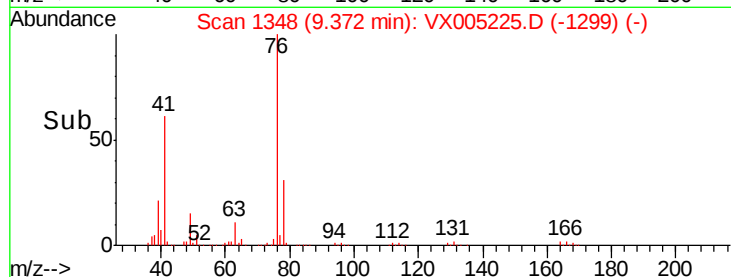
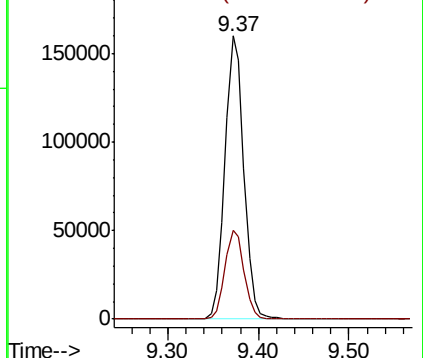
76 100

78 31.9 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: 14.889 ug/l

RT: 8.28 min Scan# 1169

Delta R.T. -0.04 min

Lab File: VX005225.D

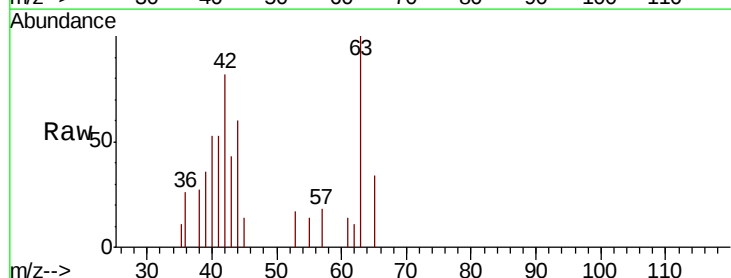
Acq: 10 Oct 2018 23:36

Tgt Ion: 63 Resp: 1696

Ion Ratio Lower Upper

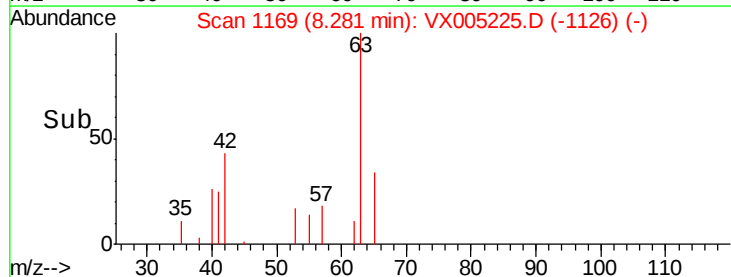
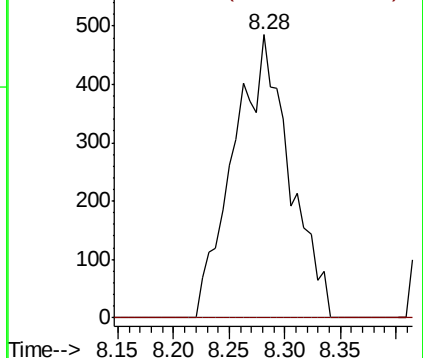
63 100

106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

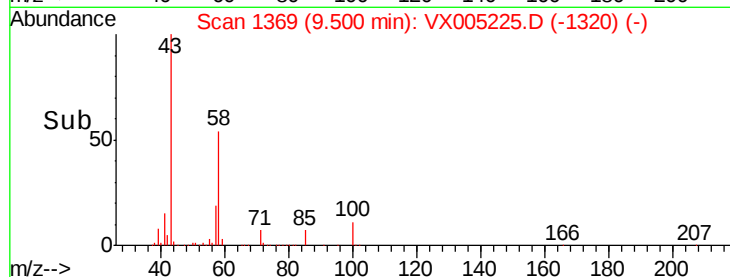
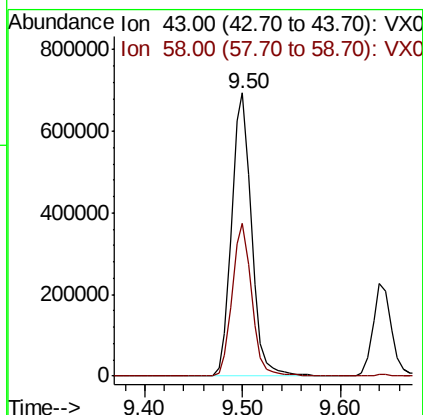
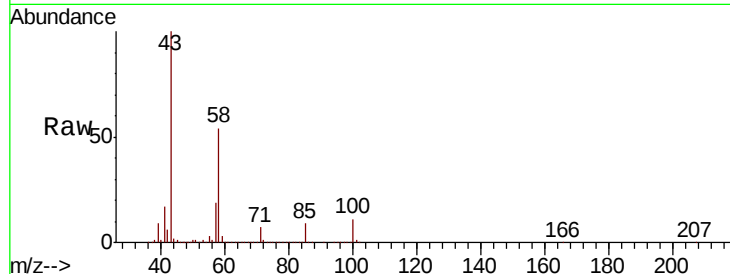




#59
2-Hexanone
Concen: 255.795 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

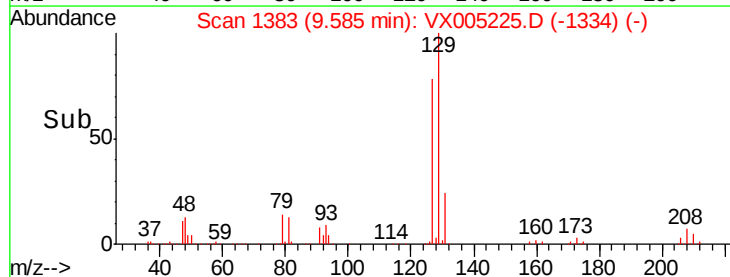
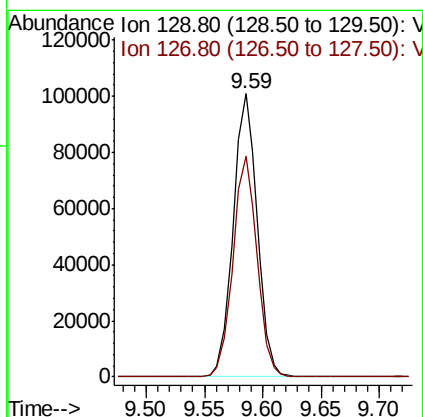
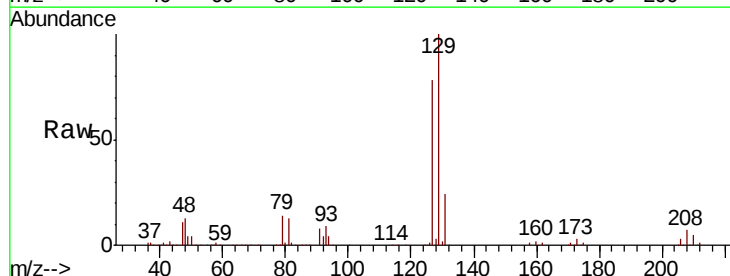
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

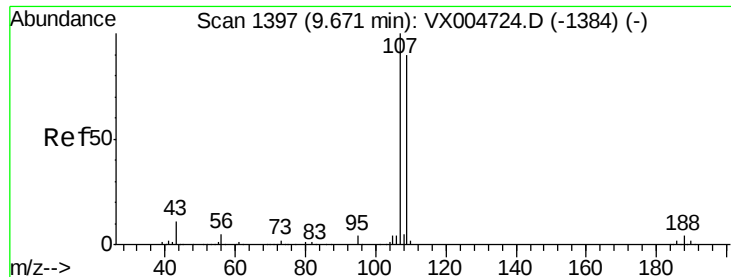
Tot Ion: 43 Resp: 978676
Ion Ratio Lower Upper
43 100
58 53.3 28.4 85.3



#60
Dibromochloromethane
Concen: 50.586 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 129 Resp: 145088
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 46.434 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

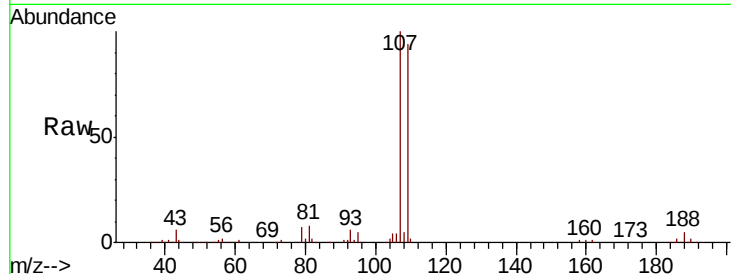
RE-109D2-20181005MS

Tot Ion:107 Resp: 142617

Ion Ratio Lower Upper

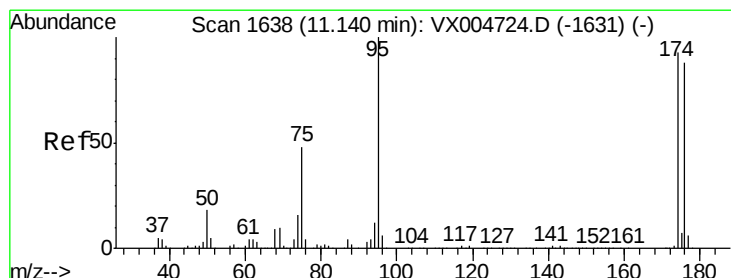
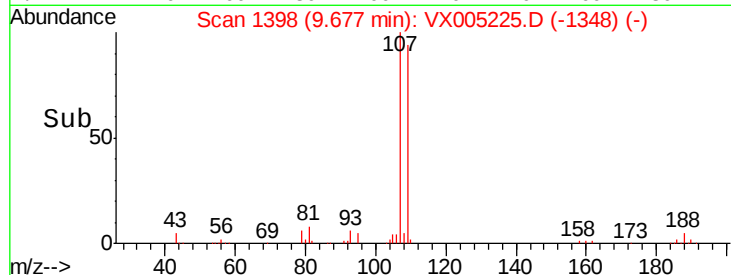
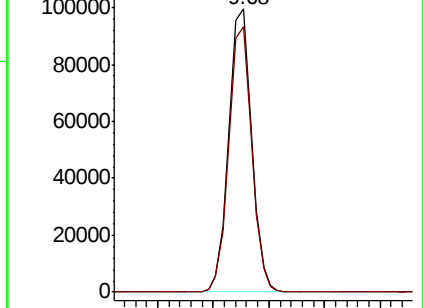
107 100

109 94.0 72.1 108.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.480 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

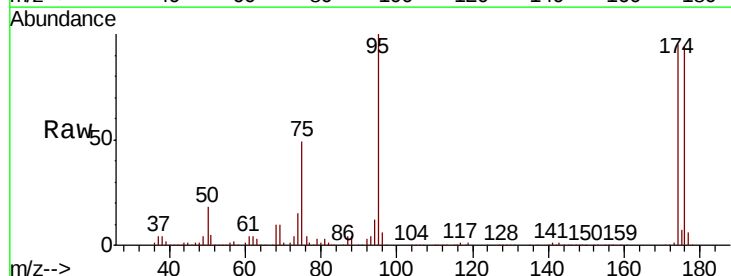
Tgt Ion: 95 Resp: 141922

Ion Ratio Lower Upper

95 100

174 93.0 0.0 185.0

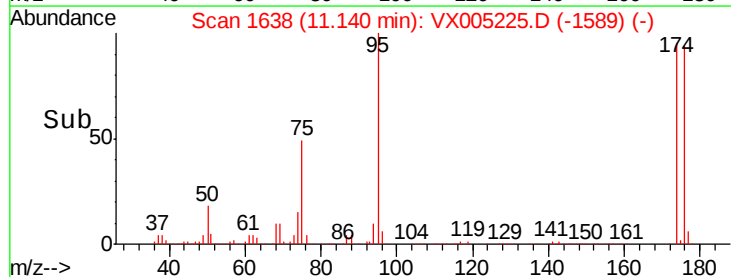
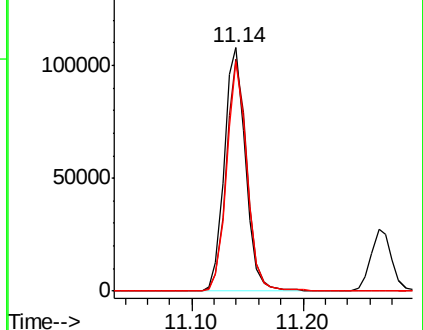
176 90.1 0.0 180.2

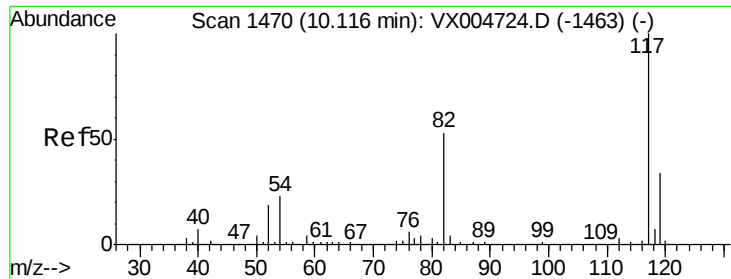


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

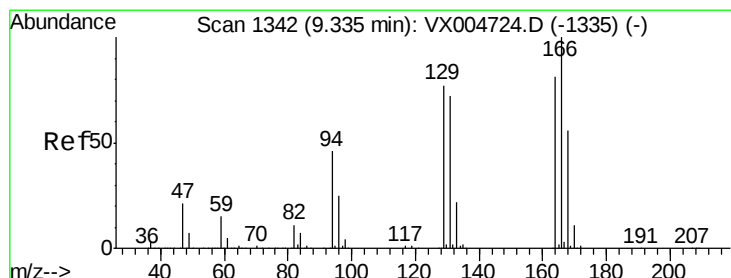
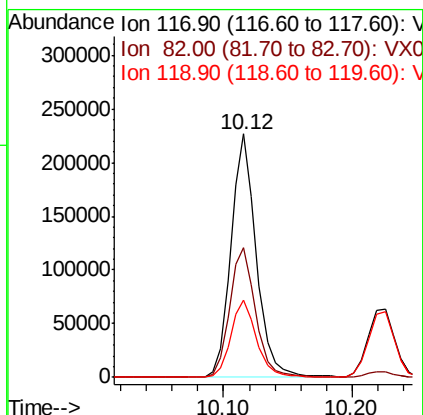
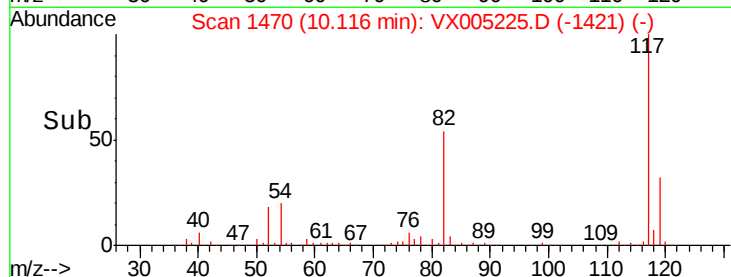
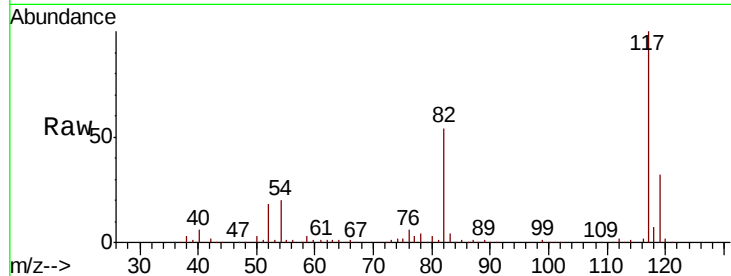




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

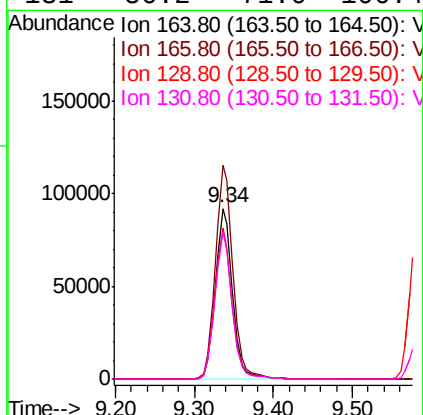
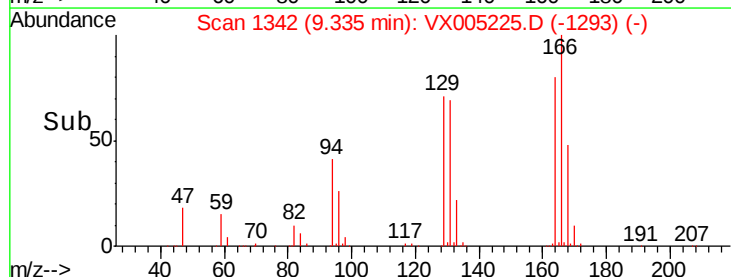
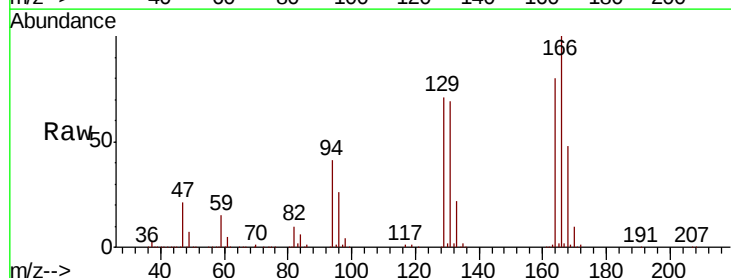
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

Tot Ion:117 Resp: 311195
Ion Ratio Lower Upper
117 100
82 53.5 42.2 63.4
119 31.7 27.4 41.0



#64
Tetrachloroethene
Concen: 45.587 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion:164 Resp: 139626
Ion Ratio Lower Upper
164 100
166 125.1 98.4 147.6
129 88.5 76.1 114.1
131 86.2 71.0 106.4

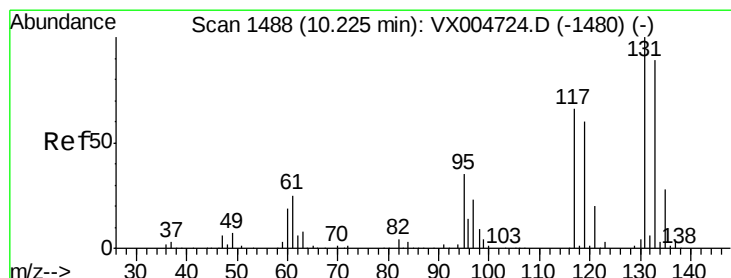
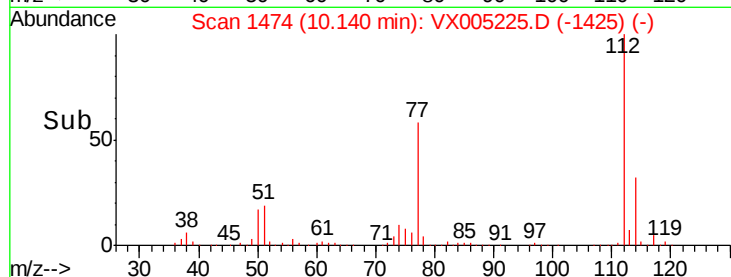
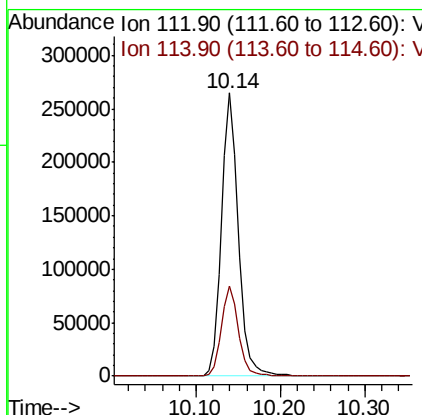
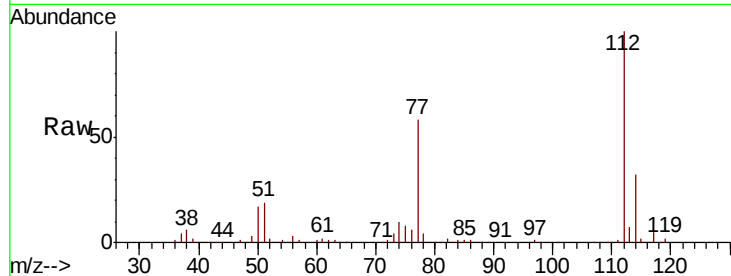




#65
Chlorobenzene
Concen: 46.151 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

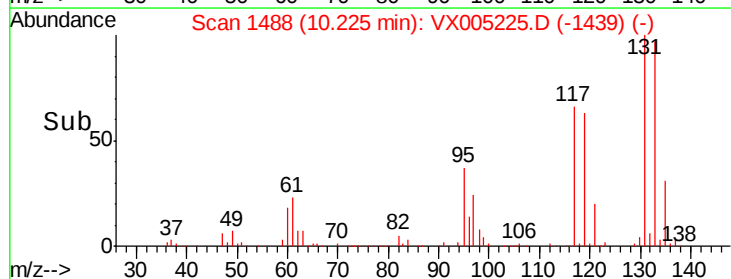
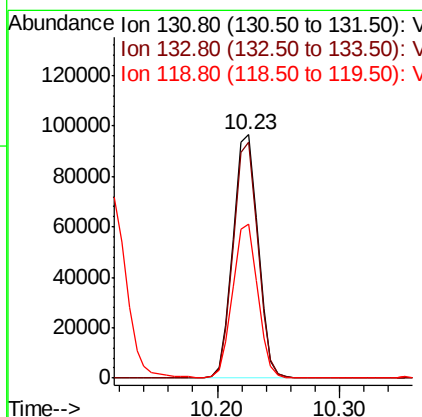
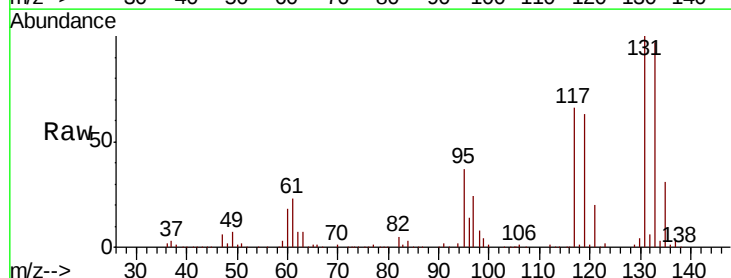
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

Tot Ion:112 Resp: 368282
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 48.647 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion:131 Resp: 136473
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.0
119 63.3 32.3 96.8

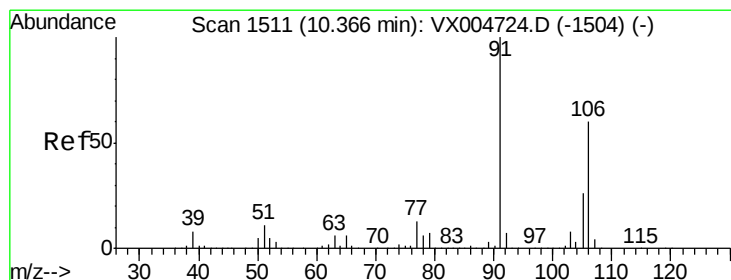
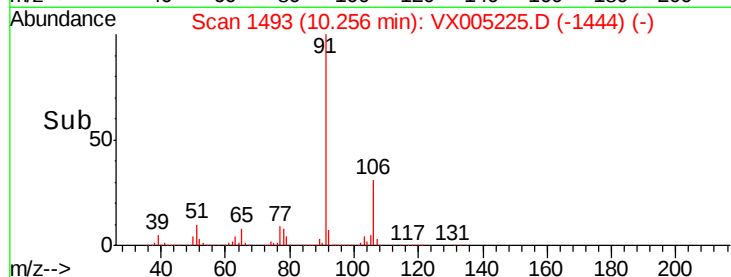
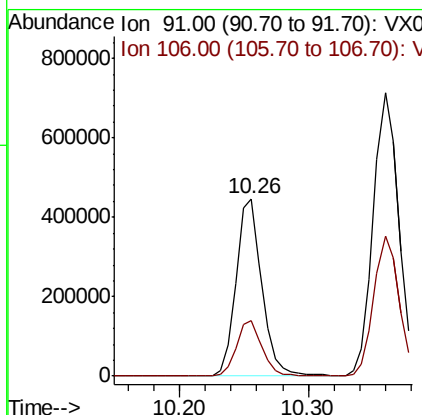
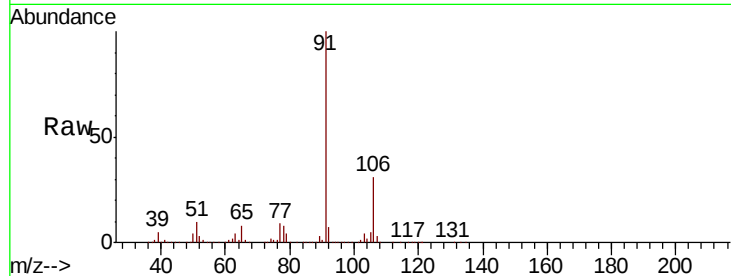




#67
Ethyl Benzene
Concen: 49.246 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

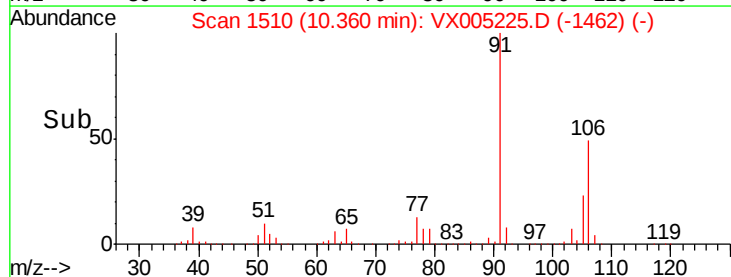
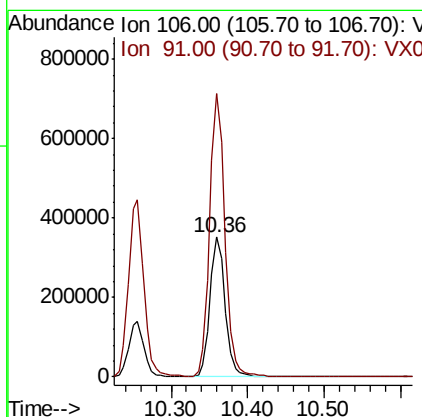
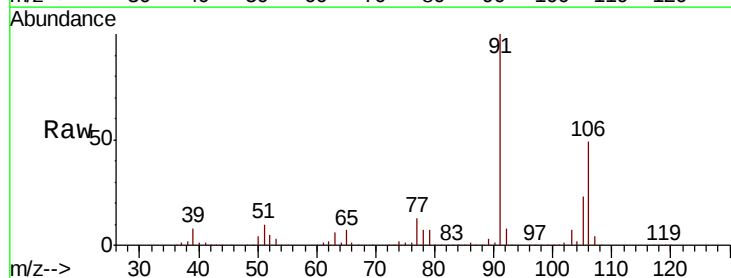
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

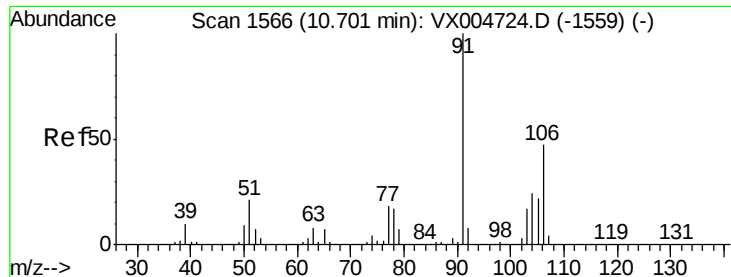
Tot Ion: 91 Resp: 623907
Ion Ratio Lower Upper
91 100
106 31.5 26.9 40.3



#68
m/p-Xylenes
Concen: 98.727 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 106 Resp: 488772
Ion Ratio Lower Upper
106 100
91 202.9 157.5 236.3

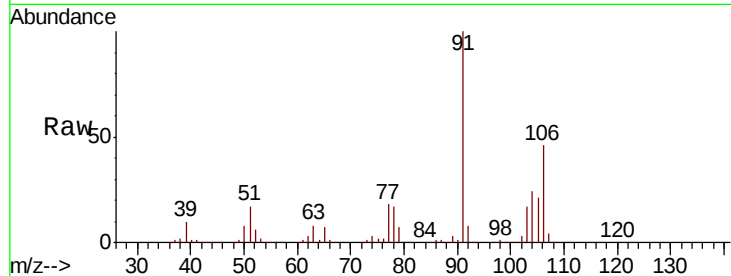




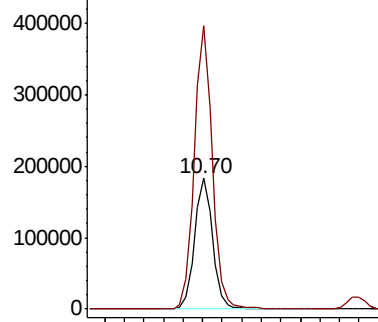
#69
o-Xylene
Concen: 51.752 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

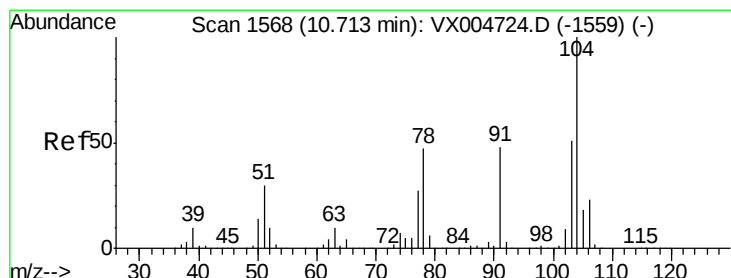
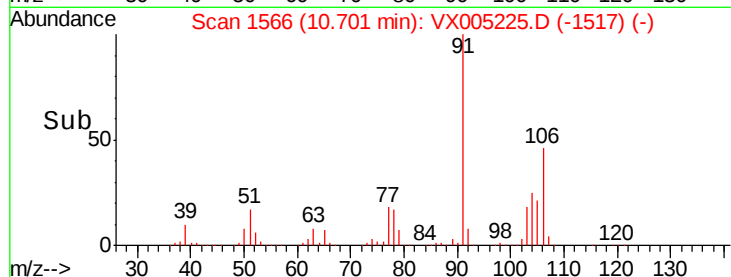
Tot Ion:106 Resp: 235326
Ion Ratio Lower Upper
106 100
91 215.7 108.3 324.8



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

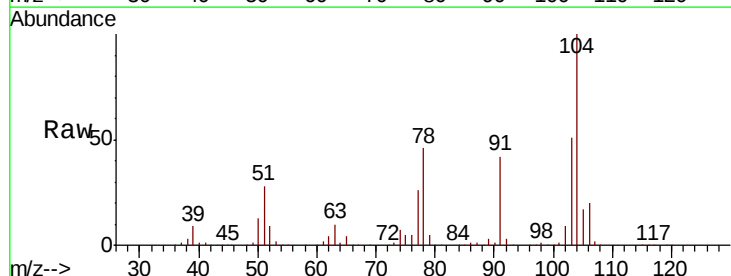


Time-->

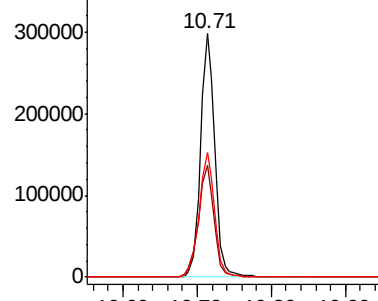


#70
Styrene
Concen: 47.186 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

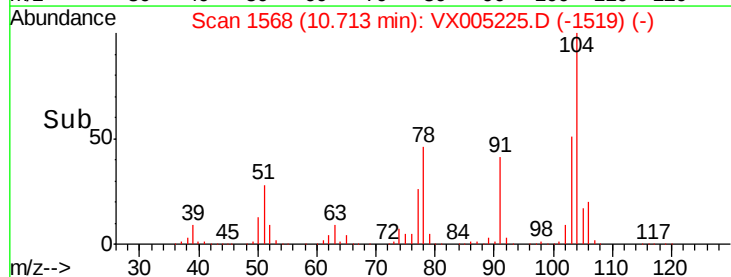
Tgt Ion:104 Resp: 400230
Ion Ratio Lower Upper
104 100
78 50.0 40.0 60.0
103 55.4 44.3 66.5

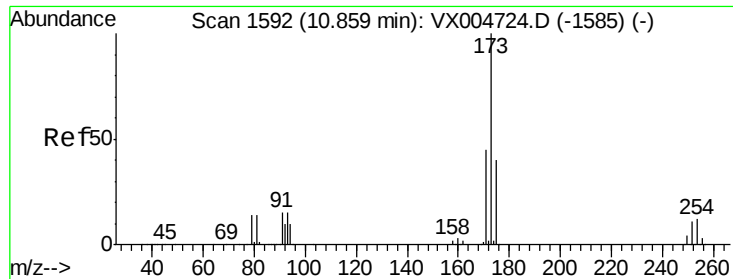


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 50.628 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

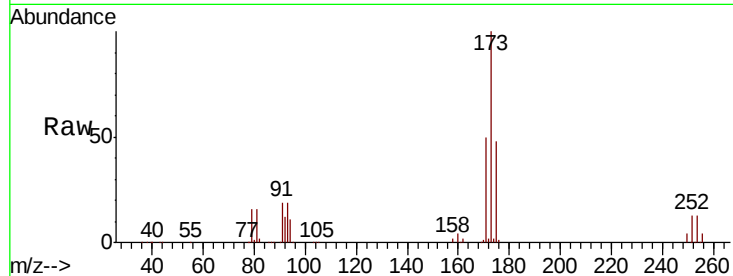
Tot Ion:173 Resp: 121598

Ion Ratio Lower Upper

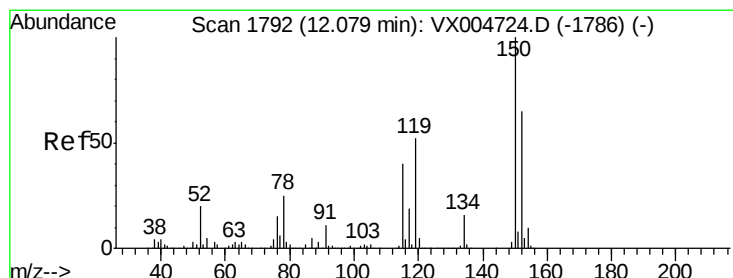
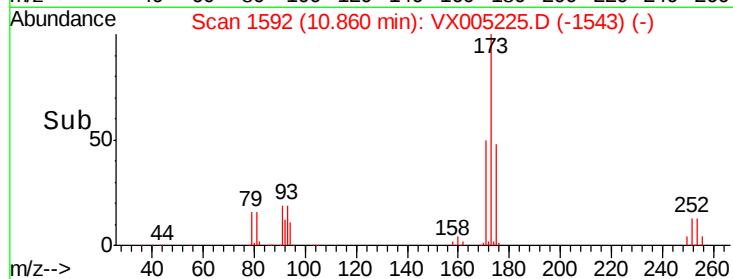
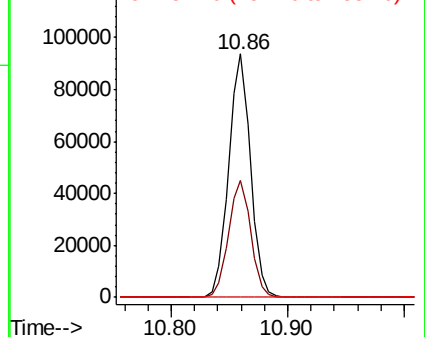
173 100

175 48.9 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: VX005225.D

Acq: 10 Oct 2018 23:36

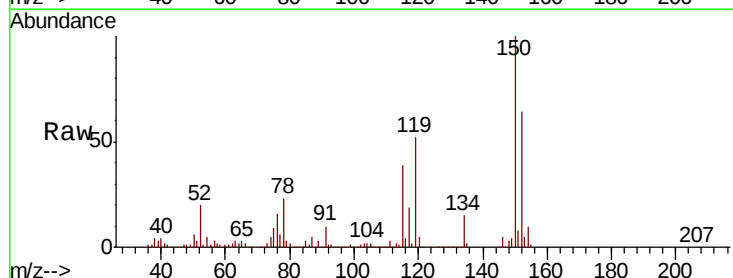
Tgt Ion:152 Resp: 175457

Ion Ratio Lower Upper

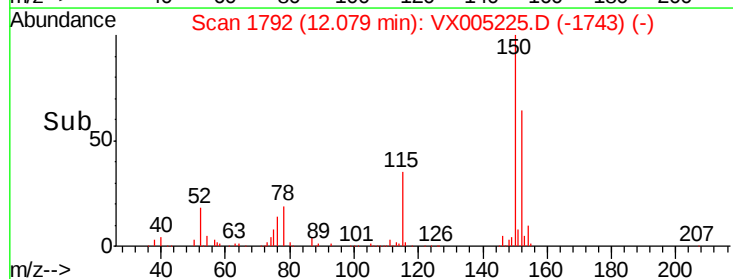
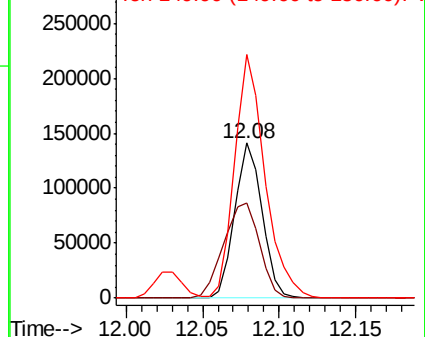
152 100

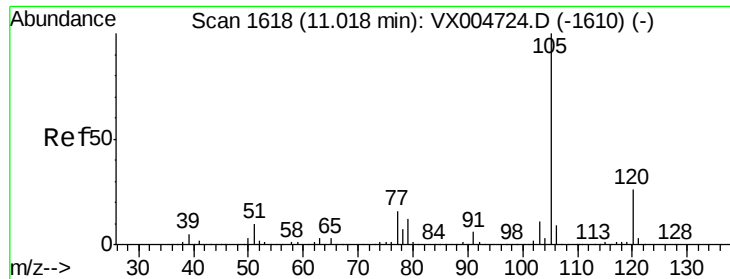
115 80.2 40.2 120.6

150 174.2 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

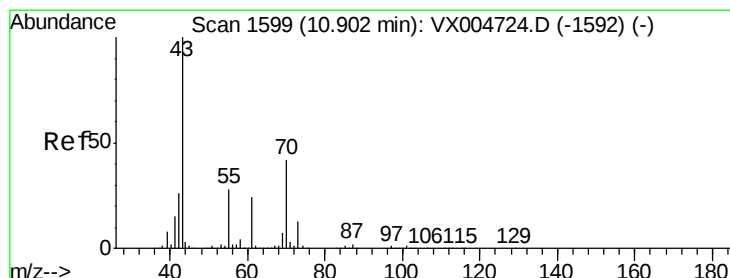
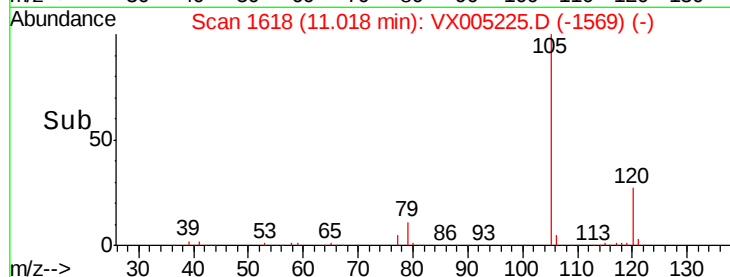
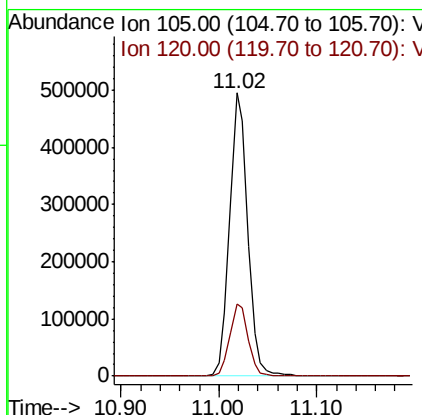
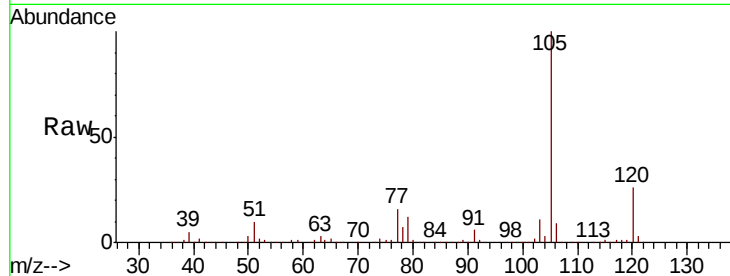




#73
Isopropylbenzene
Concen: 57.777 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

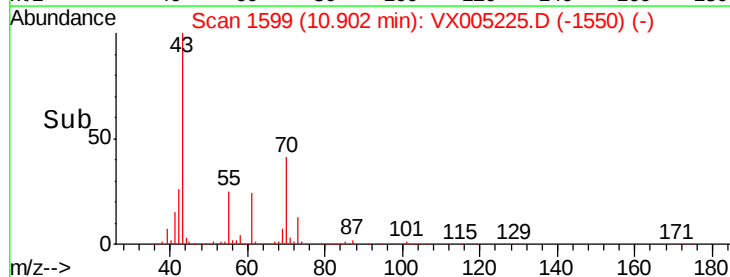
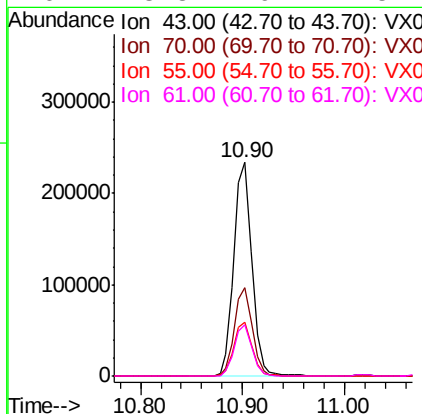
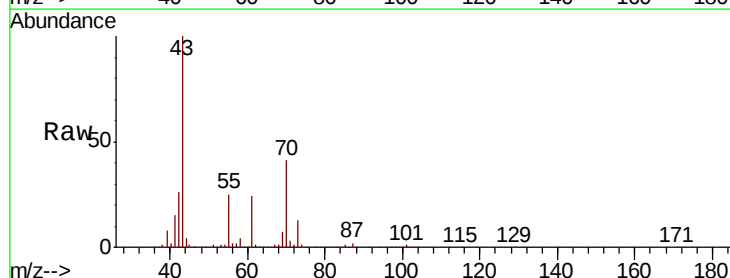
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

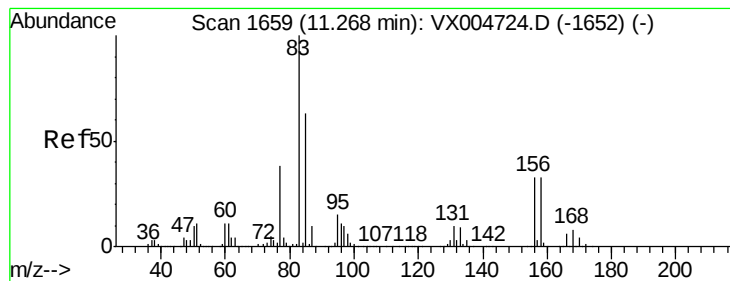
Tot Ion: 105 Resp: 638969
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.5



#74
N-ethyl acetate
Concen: 46.725 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 43 Resp: 283306
Ion Ratio Lower Upper
43 100
70 41.0 32.6 48.8
55 25.7 21.6 32.4
61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.317 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

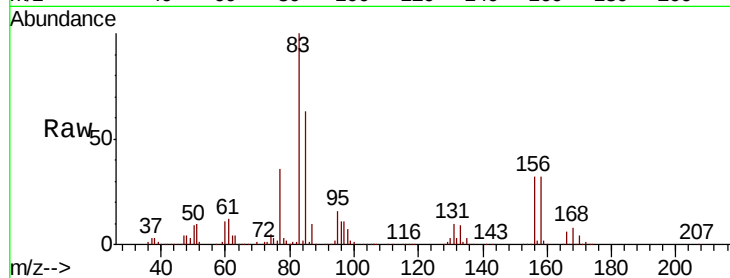
Tot Ion: 83 Resp: 226519

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

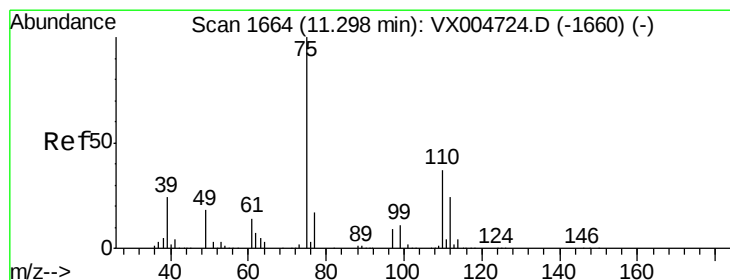
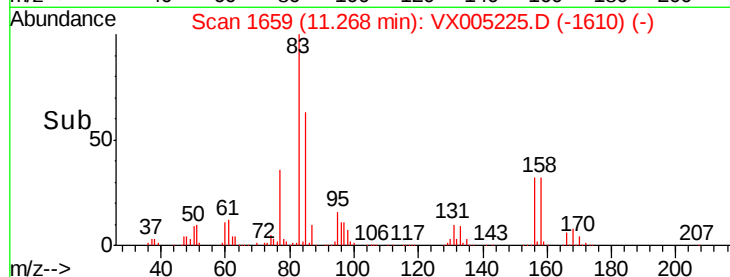
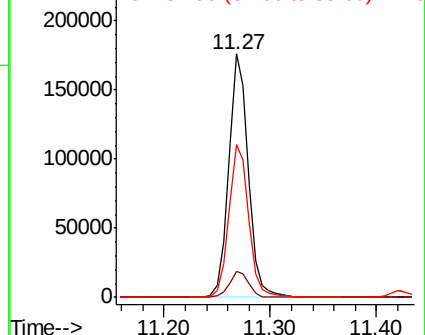
85 64.0 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 65.323 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005225.D

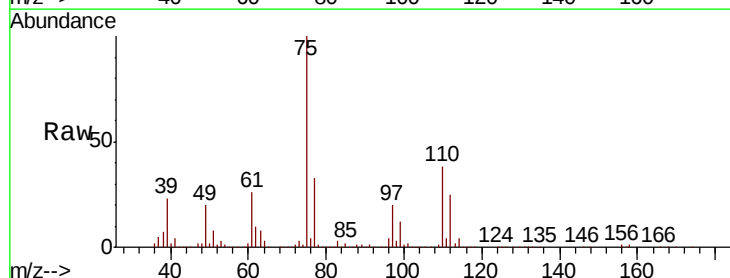
Acq: 10 Oct 2018 23:36

Tgt Ion: 75 Resp: 256891

Ion Ratio Lower Upper

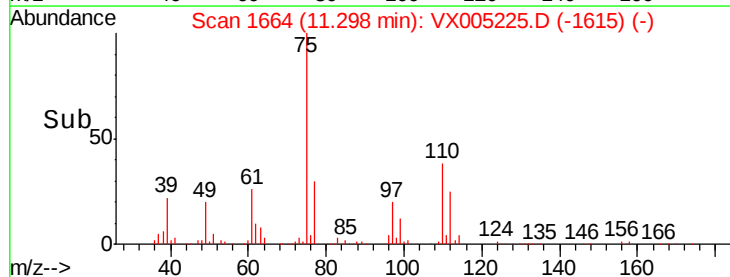
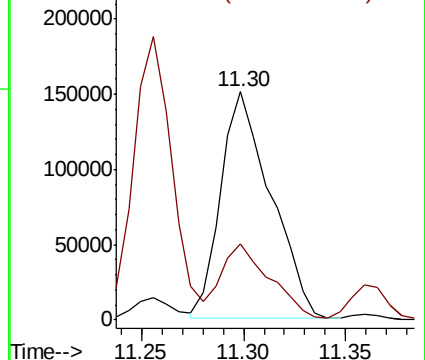
75 100

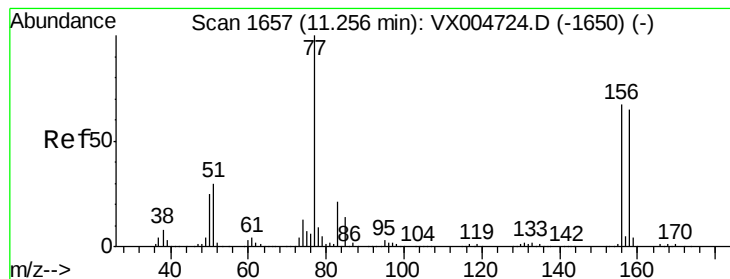
77 32.9 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.710 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

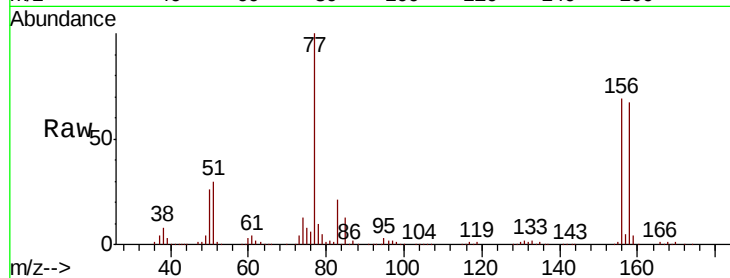
Tot Ion:156 Resp: 172531

Ion Ratio Lower Upper

156 100

77 144.1 73.4 220.2

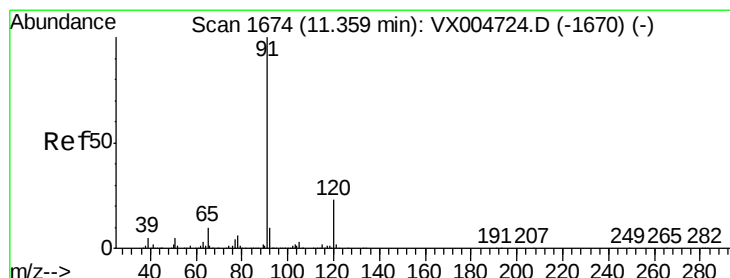
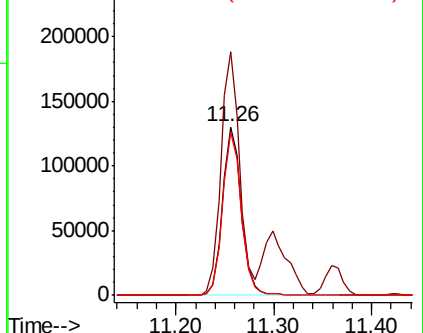
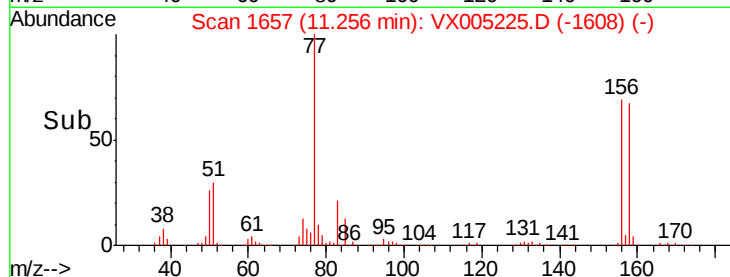
158 97.1 49.1 147.4



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: 57.340 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005225.D

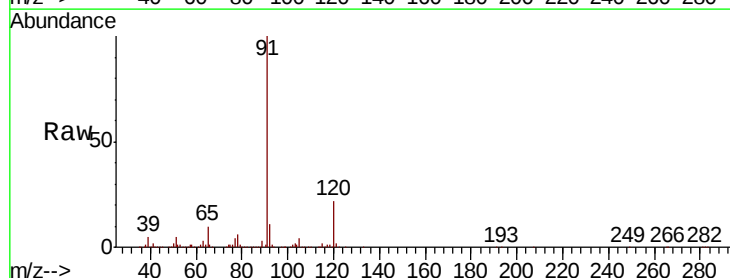
Acq: 10 Oct 2018 23:36

Tgt Ion: 91 Resp: 727604

Ion Ratio Lower Upper

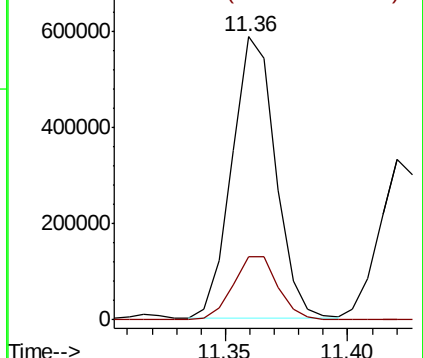
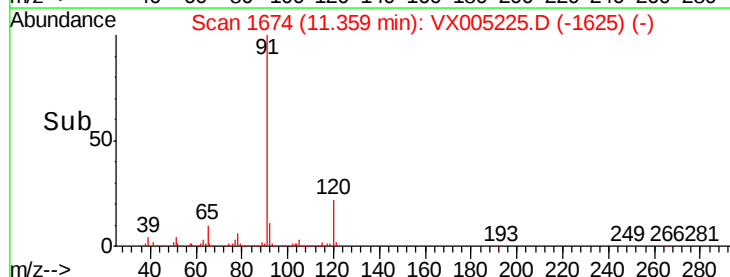
91 100

120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

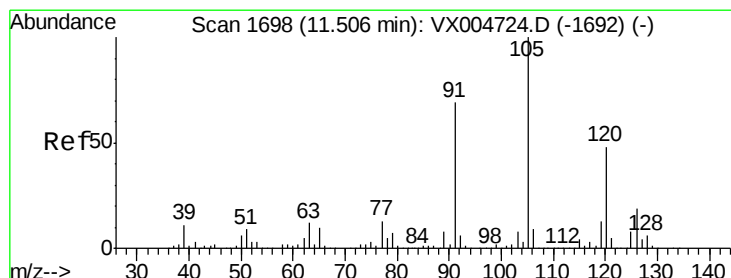
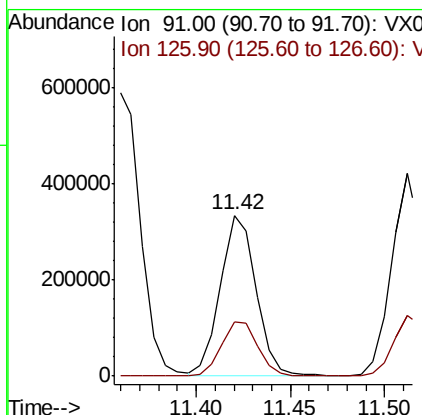
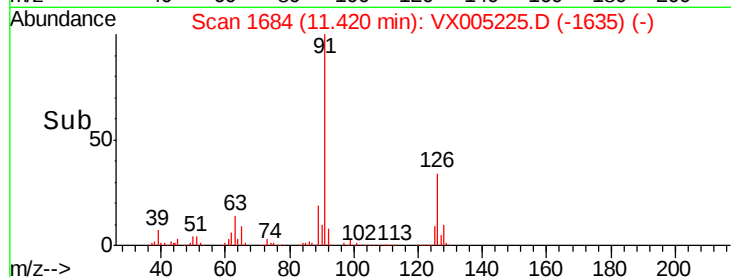
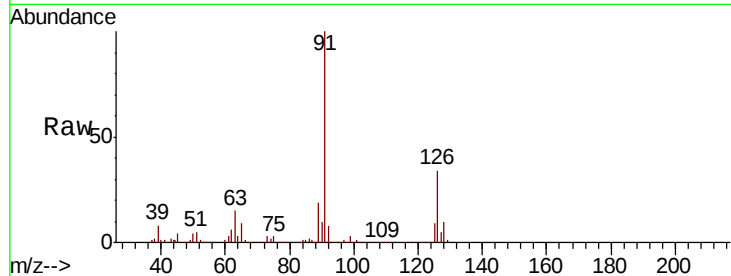




#79
 2-Chlorotoluene
 Concen: 54.923 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

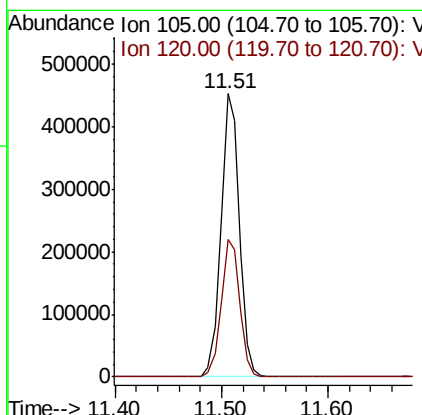
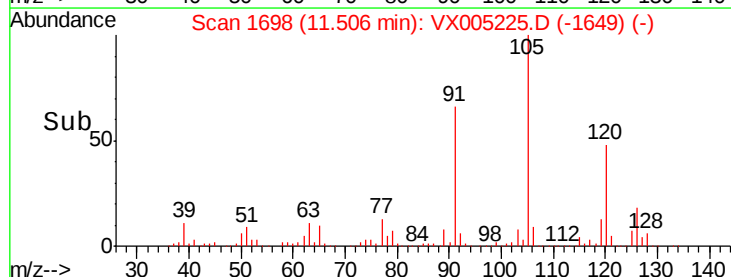
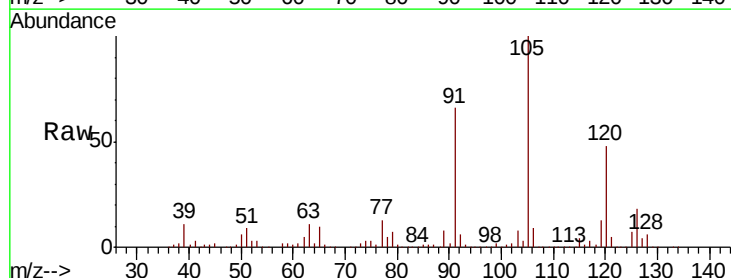
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

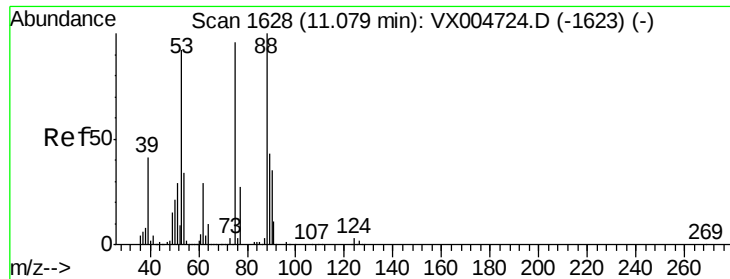
Tot Ion: 91 Resp: 434411
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 53.748 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion: 105 Resp: 544648
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 42.114 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

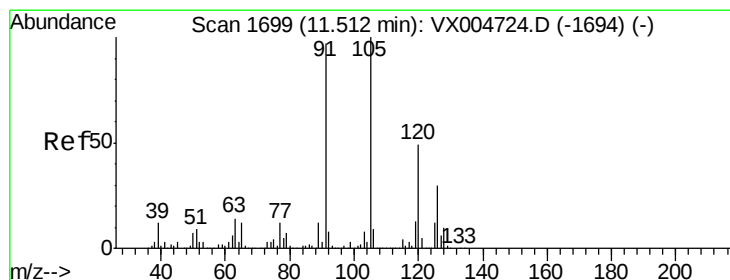
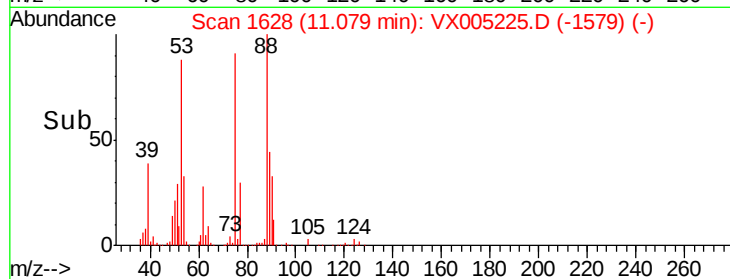
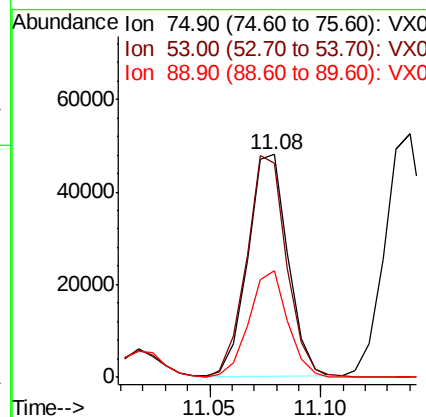
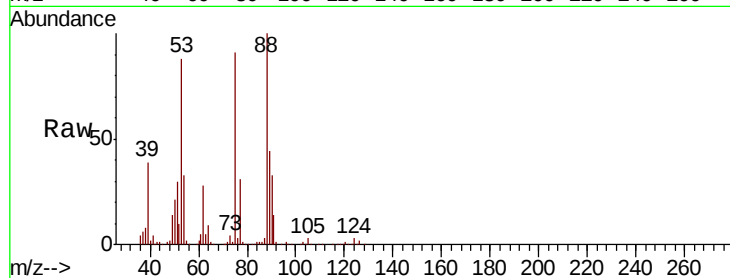
Tot Ion: 75 Resp: 60254

Ion Ratio Lower Upper

75 100

53 99.6 80.2 120.4

89 46.3 37.1 55.7



#82

4-Chlorotoluene

Concen: 55.345 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005225.D

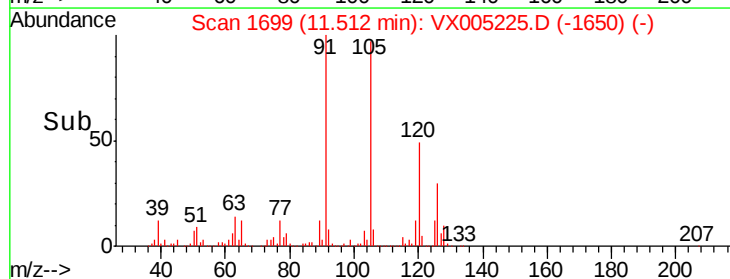
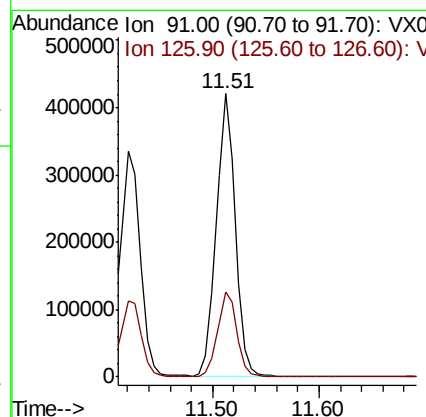
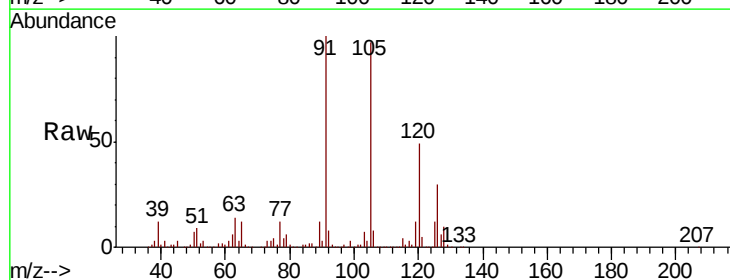
Acq: 10 Oct 2018 23:36

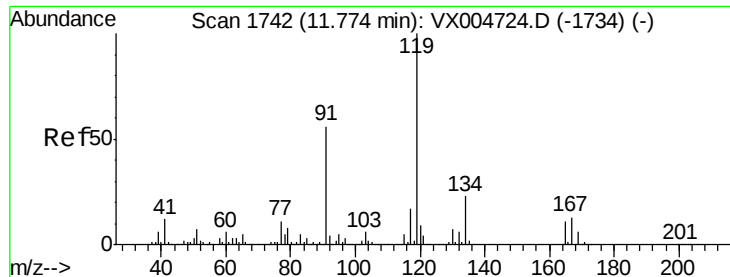
Tgt Ion: 91 Resp: 515251

Ion Ratio Lower Upper

91 100

126 30.6 15.5 46.5

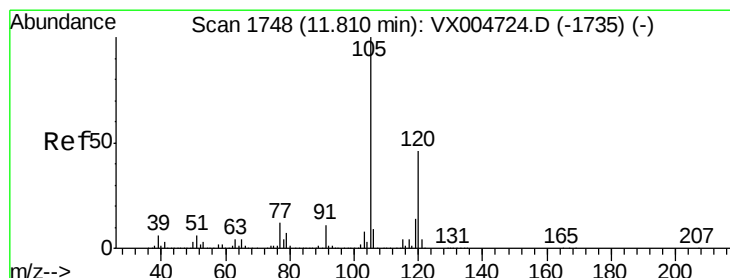
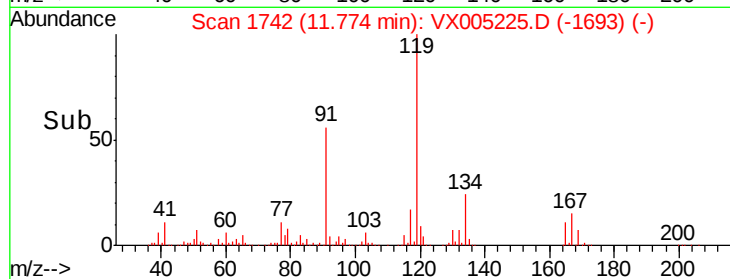
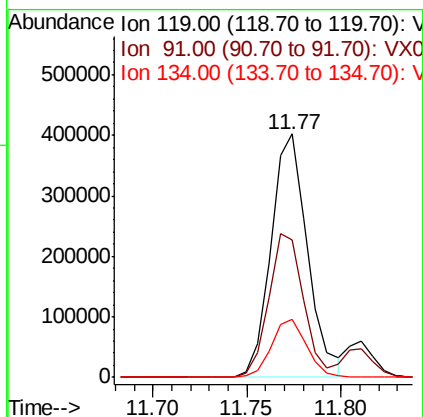
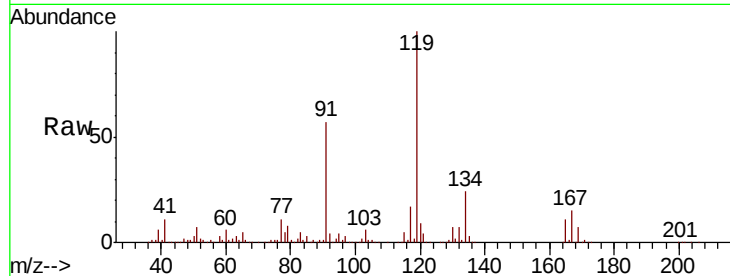




#83
tert-Butylbenzene
Concen: 59.124 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

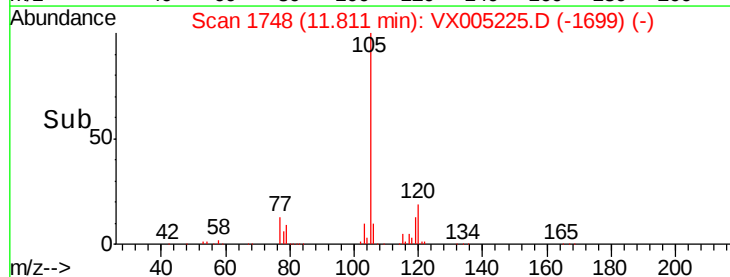
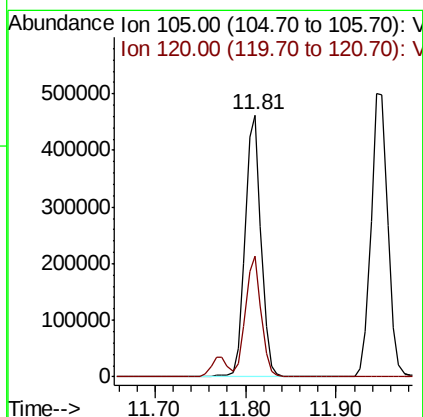
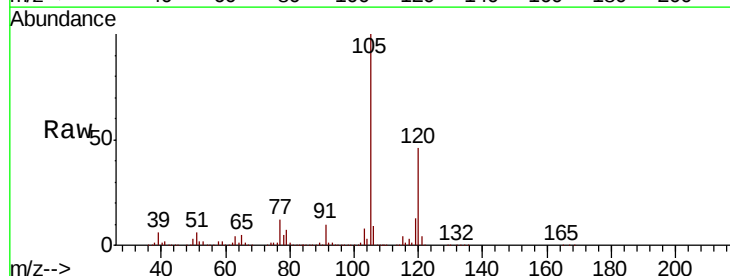
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

Tot Ion:119 Resp: 538353
Ion Ratio Lower Upper
119 100
91 56.5 27.5 82.5
134 23.1 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 53.901 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion:105 Resp: 563275
Ion Ratio Lower Upper
105 100
120 45.1 22.8 68.3





#85

sec-Butylbenzene

Concen: 57.916 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

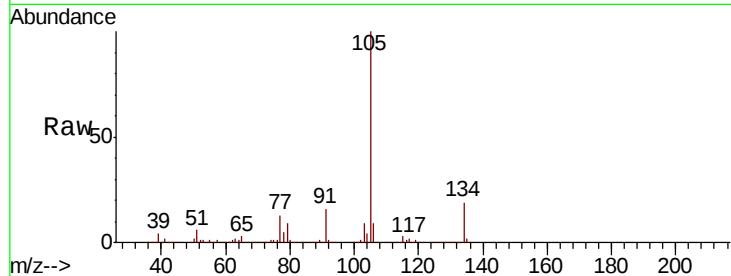
RE-109D2-20181005MS

Tot Ion:105 Resp: 642338

Ion Ratio Lower Upper

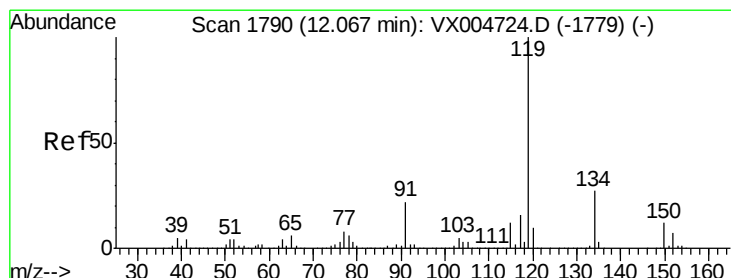
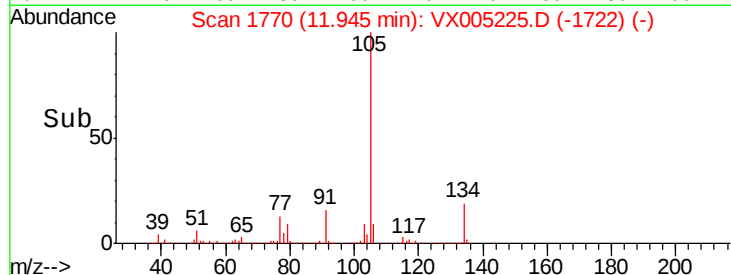
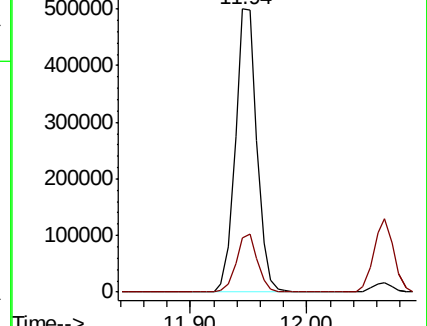
105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.551 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

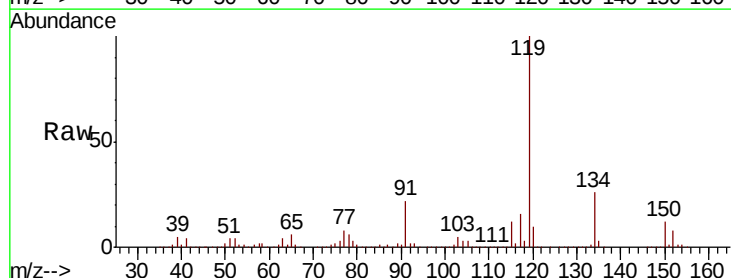
Tgt Ion:119 Resp: 578292

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

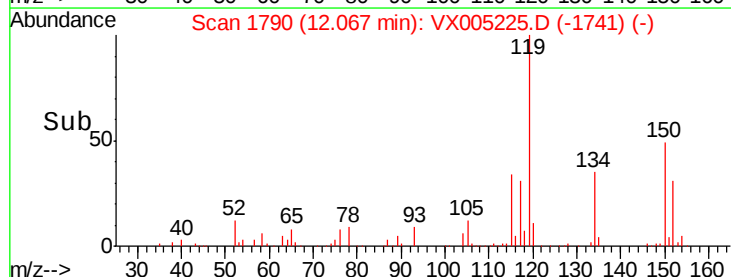
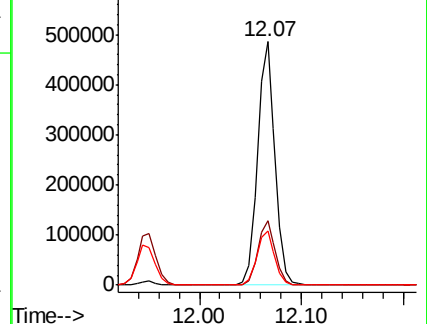
91 22.7 11.5 34.4

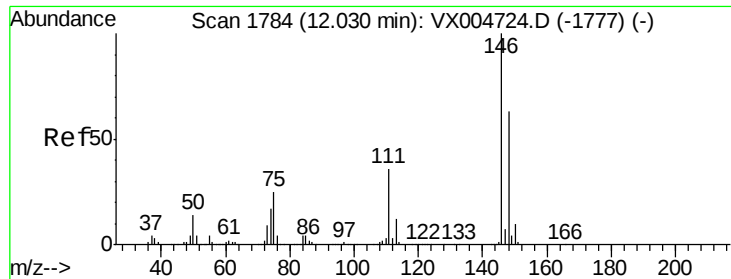


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 52.478 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

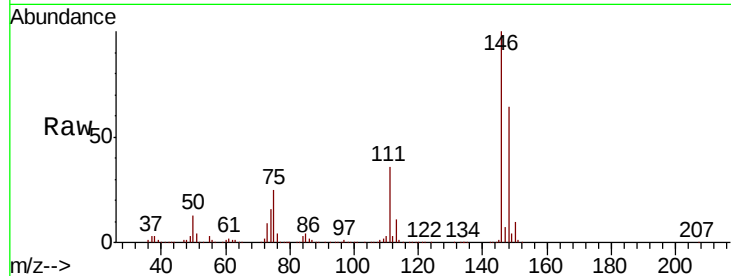
Tot Ion:146 Resp: 314777

Ion Ratio Lower Upper

146 100

111 37.4 18.9 56.9

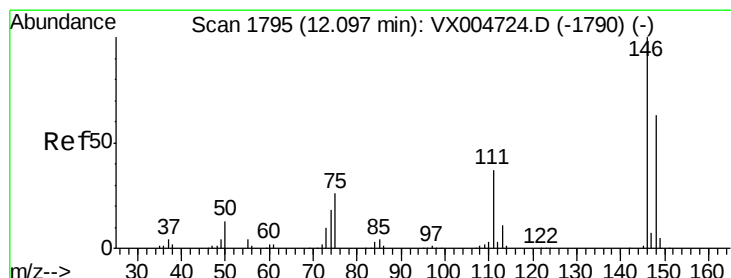
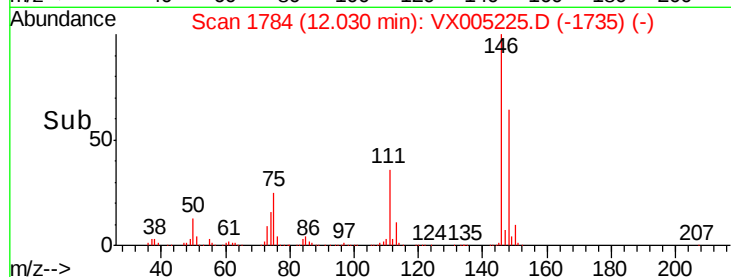
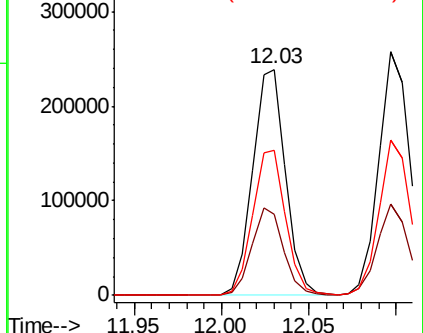
148 64.3 31.8 95.3



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: 51.632 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

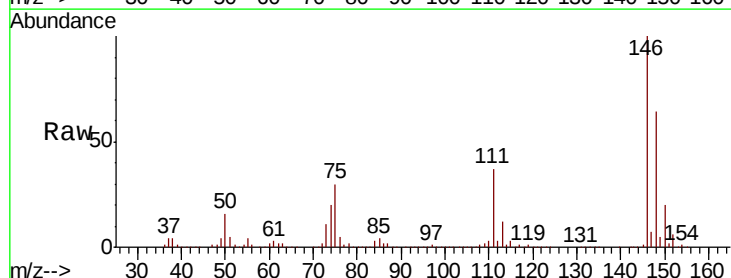
Tgt Ion:146 Resp: 319701

Ion Ratio Lower Upper

146 100

111 37.4 18.4 55.2

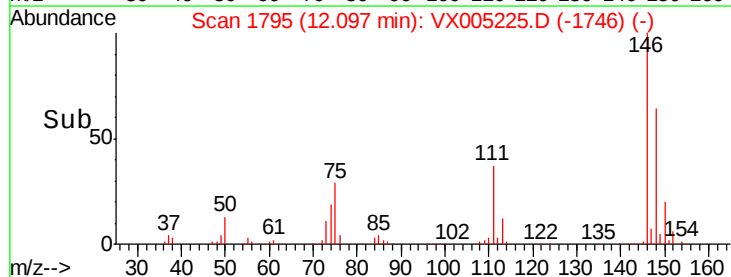
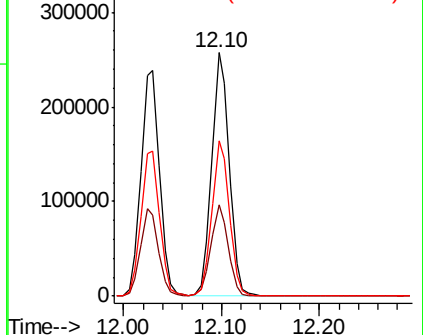
148 64.0 32.0 96.0



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

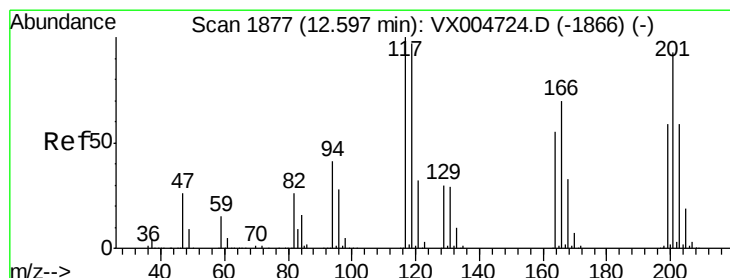
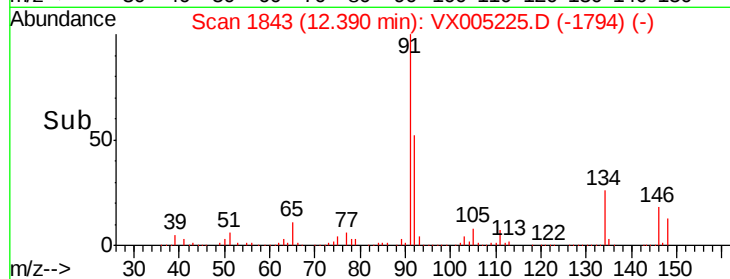
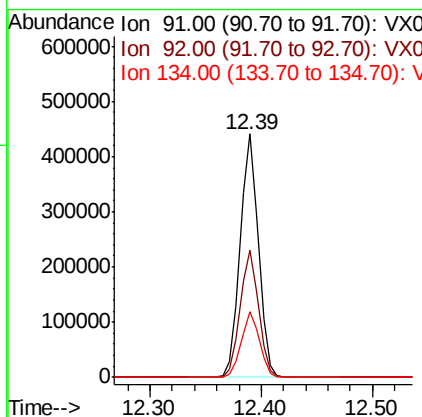
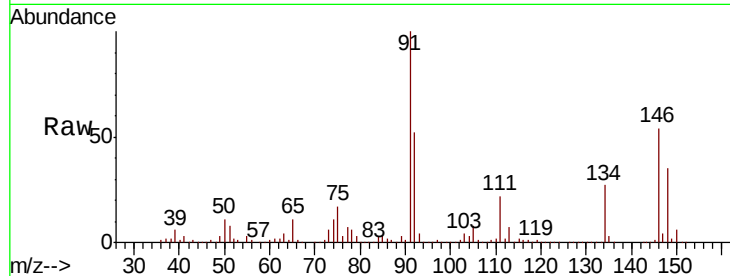




#89
n-Butylbenzene
Concen: 54.987 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

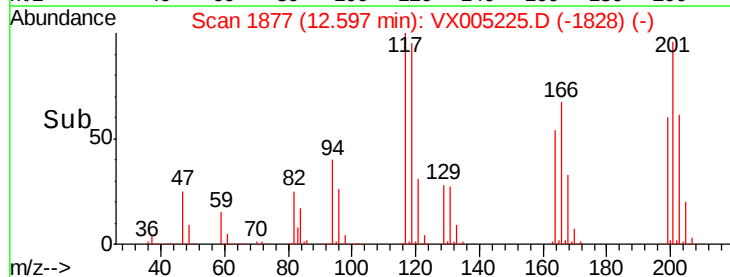
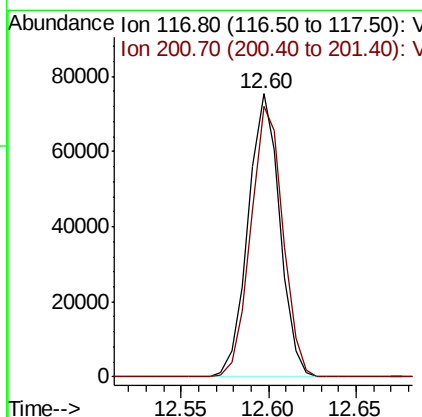
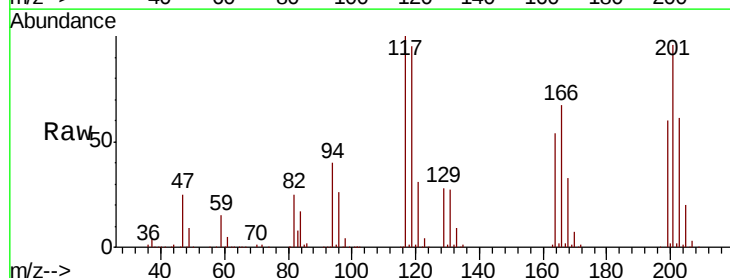
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

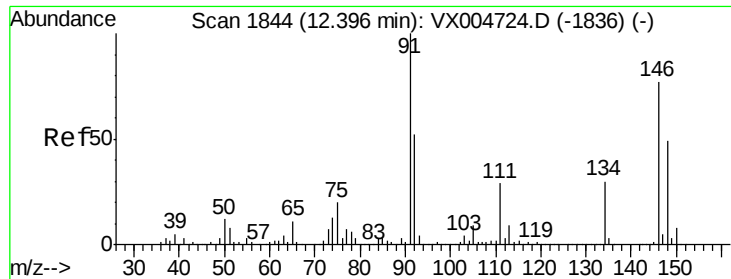
Tot Ion: 91 Resp: 501798
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 26.7 13.2 39.6



#90
Hexachloroethane
Concen: 56.564 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion: 117 Resp: 94632
Ion Ratio Lower Upper
117 100
201 97.3 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 51.112 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MS

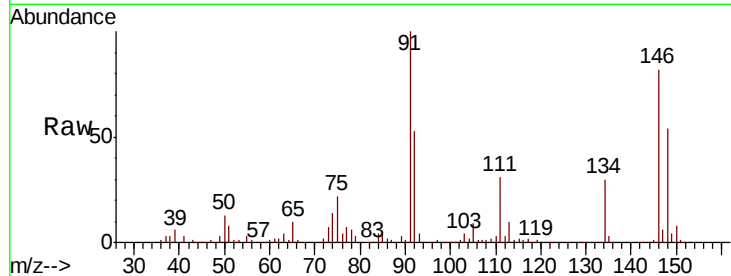
Tot Ion:146 Resp: 320389

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

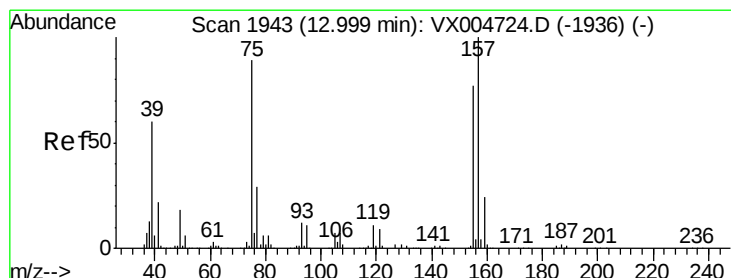
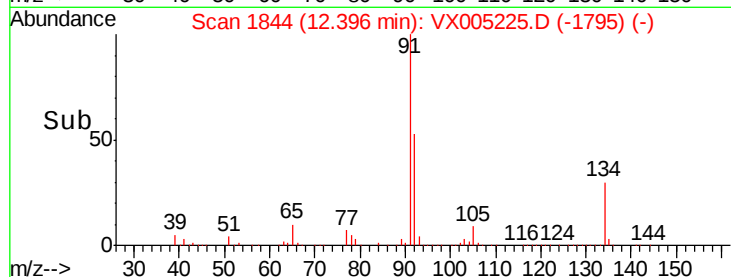
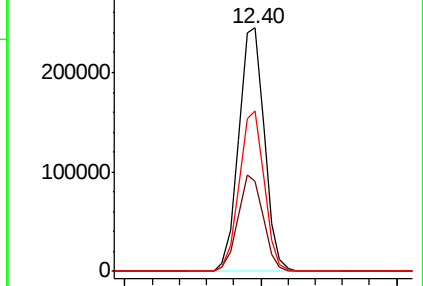
148 64.5 31.8 95.4



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: 56.181 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005225.D

Acq: 10 Oct 2018 23:36

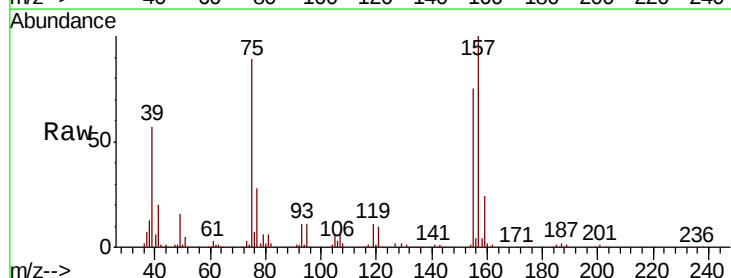
Tgt Ion: 75 Resp: 55533

Ion Ratio Lower Upper

75 100

155 92.0 46.1 138.3

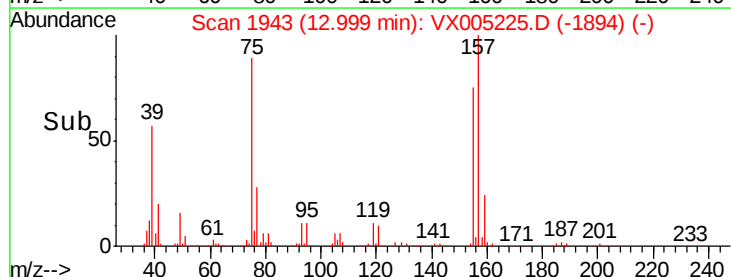
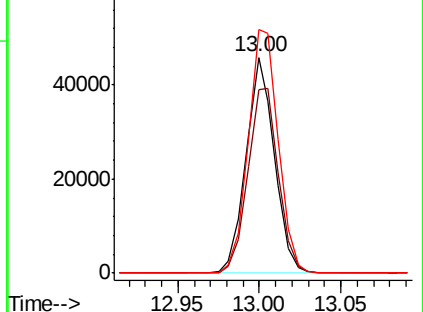
157 119.8 60.2 180.6

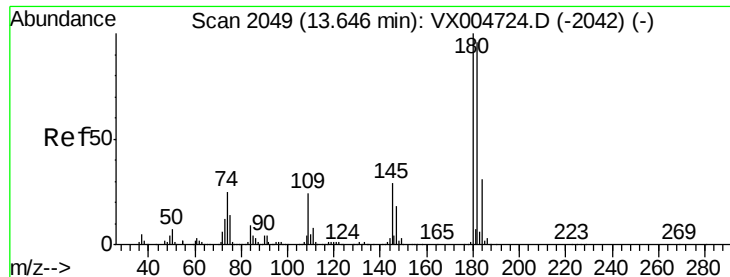


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

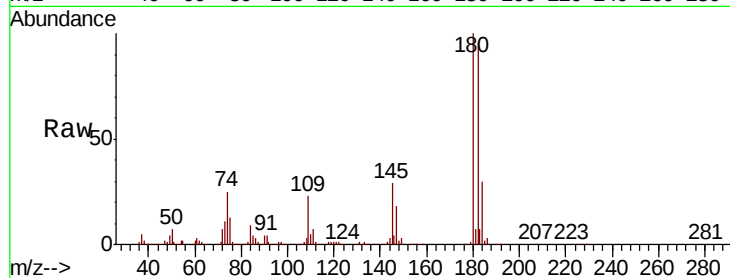




#93
 1,2,4-Trichlorobenzene
 Concen: 53.936 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.4
145	28.2	14.1	42.4

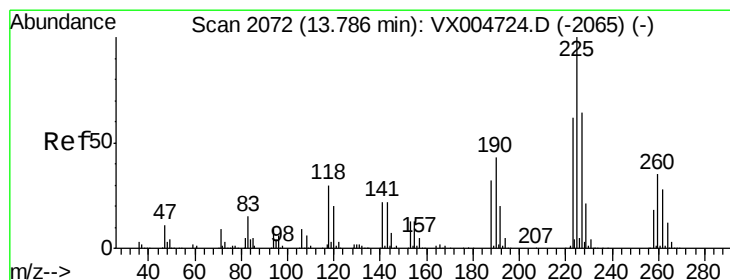
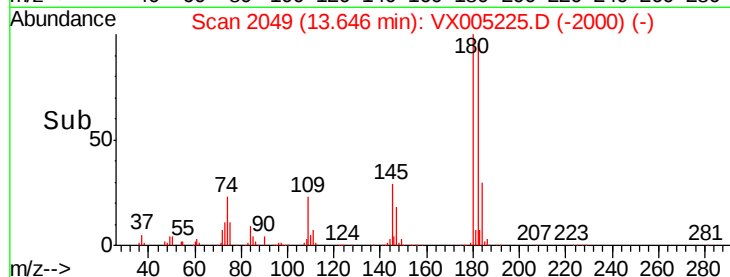
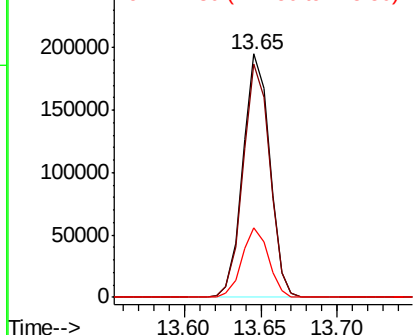


Abundance

Ion 179.80 (179.50 to 180.50): V

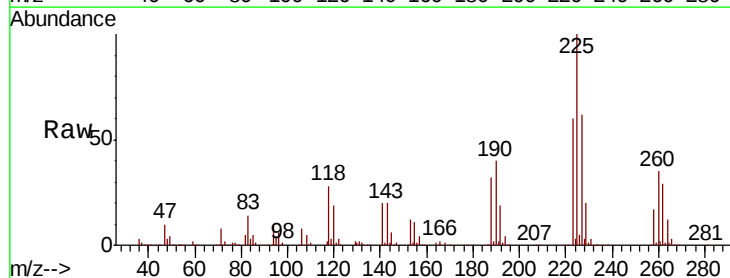
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 50.743 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005225.D
 Acq: 10 Oct 2018 23:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.8
227	63.0	31.9	95.5

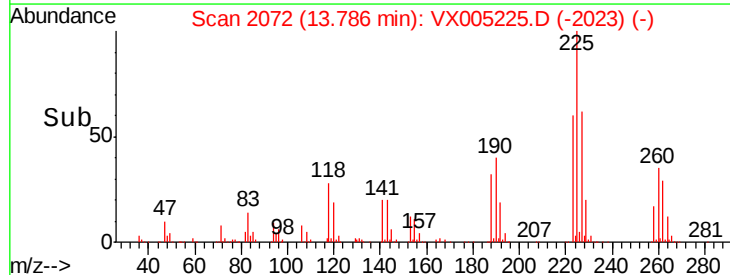
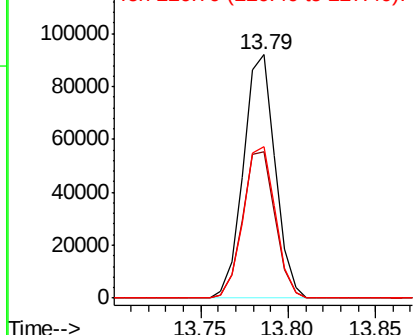


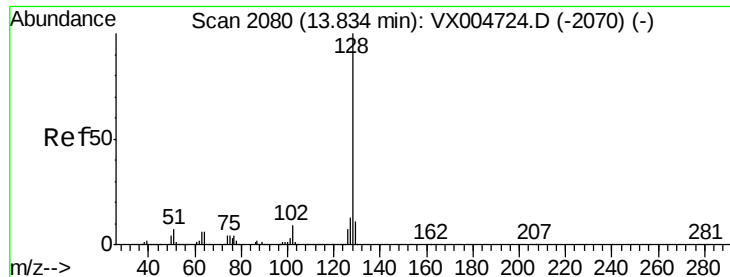
Abundance

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

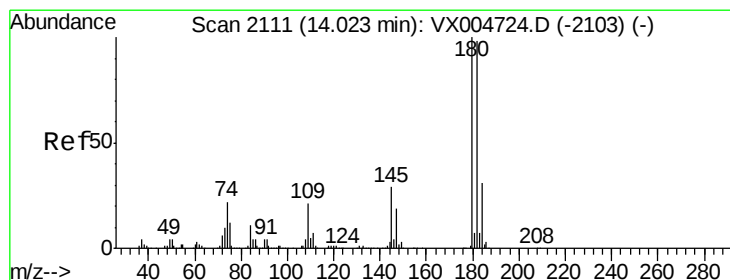
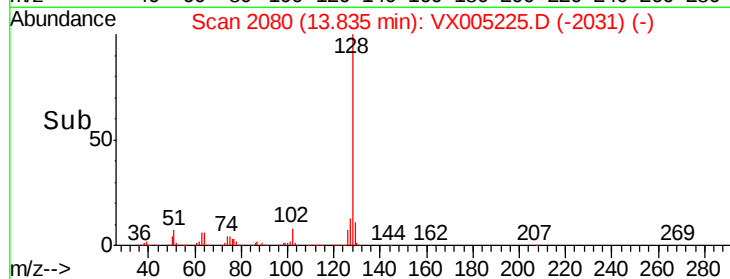
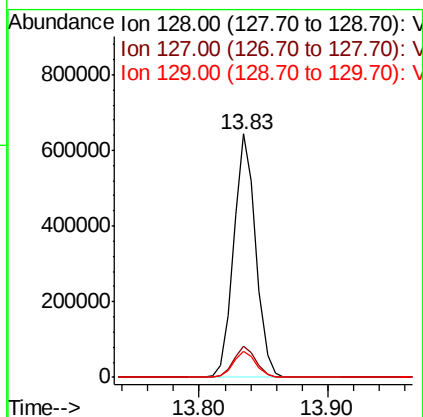
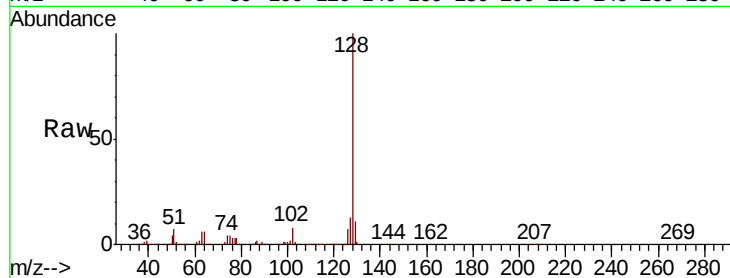




#95
Naphthalene
Concen: 52.583 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MS

Tot Ion:128 Resp: 767979
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 54.700 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005225.D
Acq: 10 Oct 2018 23:36

Tgt Ion:180 Resp: 248466
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.8
145 29.9 15.0 45.0

