

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005226.D
 Acq On : 11 Oct 2018 00:02
 Operator : JC/MD
 Sample : J5317-16MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Oct 11 06:10:30 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	217903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	304600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173773	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	124833	40.10	ug/l	0.00
Spiked Amount			Recovery	=	80.20%	
35) Dibromofluoromethane	5.50	113	101216	37.27	ug/l	0.00
Spiked Amount			Recovery	=	74.54%	
50) Toluene-d8	8.72	98	371579	41.16	ug/l	0.00
Spiked Amount			Recovery	=	82.32%	
62) 4-Bromofluorobenzene	11.14	95	143256	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	155426	52.314	ug/l	90
3) Chloromethane	1.32	50	180939	50.197	ug/l	93
4) Vinyl Chloride	1.40	62	182029	53.843	ug/l	94
5) Bromomethane	1.64	94	102172	50.965	ug/l	95
6) Chloroethane	1.71	64	101741	55.476	ug/l	97
7) Trichlorofluoromethane	1.92	101	223560	53.415	ug/l	94
8) Diethyl Ether	2.19	74	88507	48.677	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	118080	49.528	ug/l	99
10) Methyl Iodide	2.51	142	153733	48.188	ug/l	89
11) Tert butyl alcohol	3.09	59	237742	273.156	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119329	50.540	ug/l	95
13) Acrolein	2.29	56	111778	180.505	ug/l	91
14) Allyl chloride	2.72	41	261504	50.762	ug/l	95
15) Acrylonitrile	3.15	53	502946	262.501	ug/l	97
16) Acetone	2.45	43	462584	254.547	ug/l	94
17) Carbon Disulfide	2.56	76	355410	50.095	ug/l	99
18) Methyl Acetate	2.78	43	238311	51.759	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	435091	53.424	ug/l	96
20) Methylene Chloride	2.85	84	138492	52.456	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	127067	49.163	ug/l	85
22) Diisopropyl ether	3.87	45	425462	49.045	ug/l	98
23) Vinyl Acetate	3.82	43	1807745	227.658	ug/l	98
24) 1,1-Dichloroethane	3.69	63	256487	49.566	ug/l	99
25) 2-Butanone	4.71	43	656393	245.039	ug/l	96
26) 2,2-Dichloropropane	4.58	77	129930	36.058	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	134086	46.439	ug/l	98
28) Bromochloromethane	5.02	49	88472	36.307	ug/l	100
29) Tetrahydrofuran	5.17	42	427034	256.488	ug/l	98
30) Chloroform	5.21	83	229967	47.023	ug/l	99
31) Cyclohexane	5.57	56	197639	49.902	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	200870	50.293	ug/l	95
36) 1,1-Dichloropropene	5.79	75	173252	46.763	ug/l	94
37) Ethyl Acetate	4.87	43	211516	43.010	ug/l	98
38) Carbon Tetrachloride	5.78	117	180348	46.308	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	188072	49.714	ug/l #	85
40) Benzene	6.14	78	519778	44.813	ug/l	94
41) Methacrylonitrile	5.06	41	127587	46.781	ug/l	99
42) 1,2-Dichloroethane	6.20	62	188507	45.974	ug/l	98
43) Isopropyl Acetate	6.46	43	317284	44.699	ug/l	96
44) Trichloroethene	7.21	130	215141	75.452	ug/l	99
45) 1,2-Dichloropropane	7.52	63	139048	48.885	ug/l	97
46) Dibromomethane	7.66	93	89637	50.144	ug/l	99
47) Bromodichloromethane	7.90	83	175329	52.386	ug/l	99
48) Methyl methacrylate	7.78	41	179363	55.672	ug/l	99
49) 1,4-Dioxane	7.76	88	90729	1133.529	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1221268	273.254	ug/l	99
52) Toluene	8.79	92	325952	51.143	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	186786	49.387	ug/l	93
54) cis-1,3-Dichloropropene	8.44	75	195891	49.450	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	134908	48.324	ug/l	97
56) Ethyl methacrylate	9.18	69	213147	47.219	ug/l	97
57) 1,3-Dichloropropane	9.37	76	226608	48.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.27	63	1946	15.005	ug/l #	49
59) 2-Hexanone	9.50	43	991946	266.338	ug/l	95
60) Dibromochloromethane	9.59	129	142732	51.122	ug/l	99
61) 1,2-Dibromoethane	9.68	107	140052	46.843	ug/l	96
64) Tetrachloroethene	9.34	164	136961	45.685	ug/l	95
65) Chlorobenzene	10.14	112	367838	47.093	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	135950	49.509	ug/l	99
67) Ethyl Benzene	10.26	91	626457	50.518	ug/l	96
68) m/p-Xylenes	10.36	106	487658	100.635	ug/l	95
69) o-Xylene	10.70	106	236343	53.101	ug/l	99
70) Styrene	10.71	104	399335	48.058	ug/l	100
71) Bromoform	10.86	173	120069	51.074	ug/l #	97
73) Isopropylbenzene	11.02	105	635879	58.054	ug/l	99
74) N-amyl acetate	10.90	43	284149	47.296	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	230530	51.704	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	255695	65.649	ug/l	85
77) Bromobenzene	11.26	156	172244	54.141	ug/l	99
78) n-propylbenzene	11.36	91	731803	58.230	ug/l	100
79) 2-Chlorotoluene	11.42	91	435760	55.628	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	546249	54.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59902	42.266	ug/l	100
82) 4-Chlorotoluene	11.51	91	517097	56.082	ug/l	100
83) tert-Butylbenzene	11.77	119	545760	60.519	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	565160	54.608	ug/l	99
85) sec-Butylbenzene	11.95	105	643744	58.606	ug/l	100
86) p-Isopropyltoluene	12.07	119	582804	58.562	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	319427	53.770	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	323032	52.676	ug/l	99
89) n-Butylbenzene	12.39	91	510560	56.489	ug/l	99
90) Hexachloroethane	12.60	117	95814	57.825	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	324652	52.294	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55449	56.639	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	242580	55.702	ug/l	100
94) Hexachlorobutadiene	13.79	225	117839	52.181	ug/l	100
95) Naphthalene	13.83	128	781621	54.016	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	251878	55.989	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: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

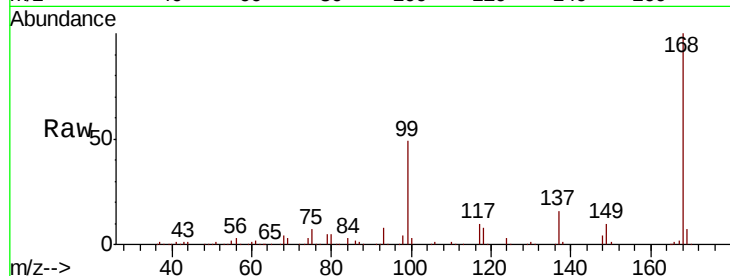
RE-109D2-20181005MSD

Tot Ion:168 Resp: 217903

Ion Ratio Lower Upper

168 100

99 49.1 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

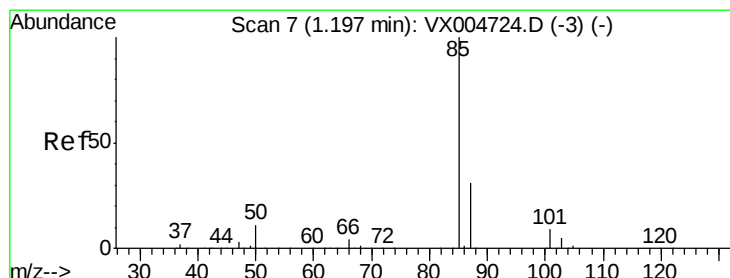
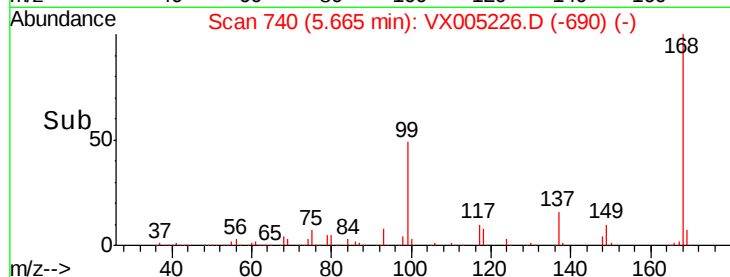
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 52.314 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005226.D

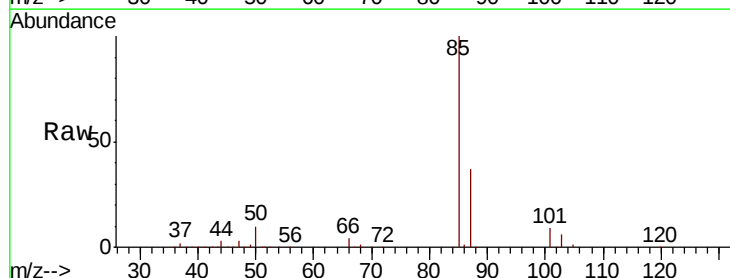
Acq: 11 Oct 2018 00:02

Tgt Ion: 85 Resp: 155426

Ion Ratio Lower Upper

85 100

87 37.1 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

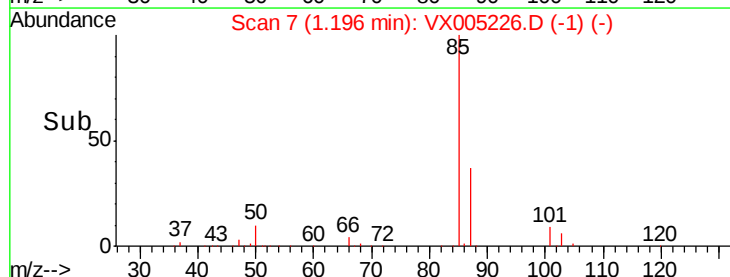
100000

50000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 50.197 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

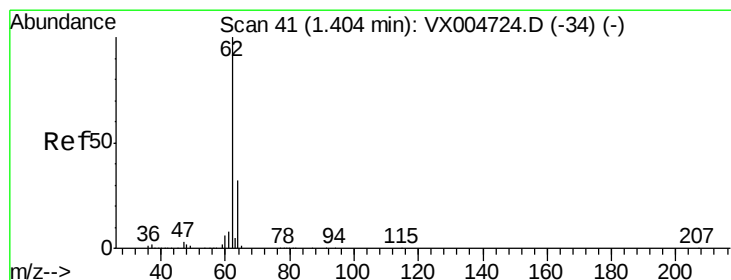
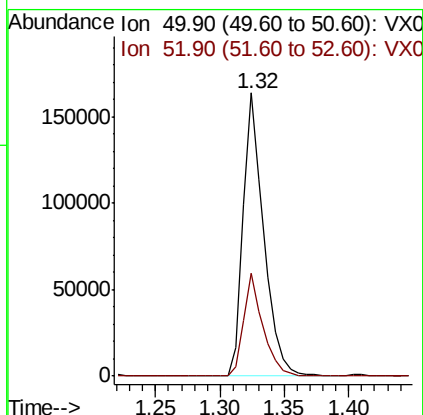
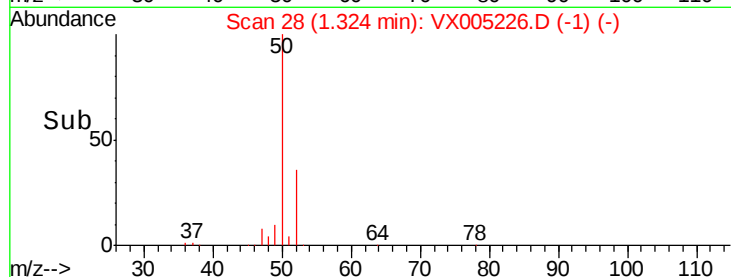
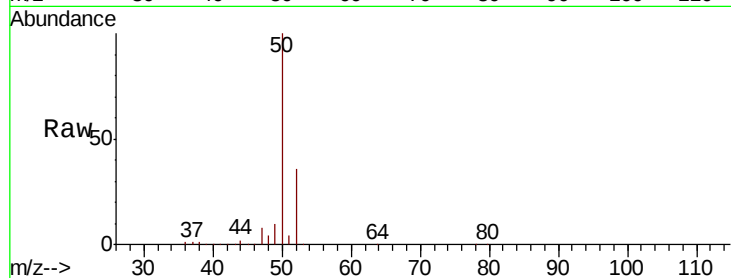
RE-109D2-20181005MSD

Tot Ion: 50 Resp: 180939

Ion Ratio Lower Upper

50 100

52 36.4 25.8 38.6



#4

Vinyl Chloride

Concen: 53.843 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005226.D

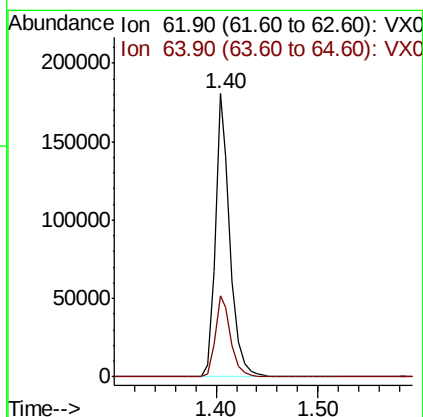
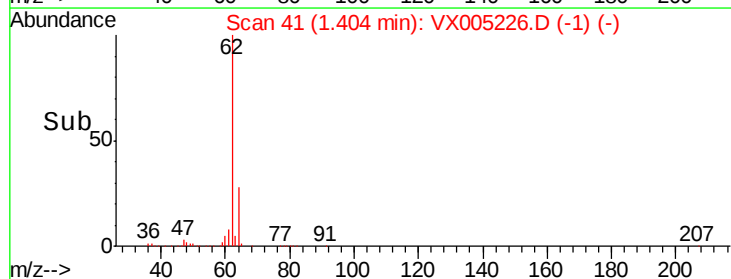
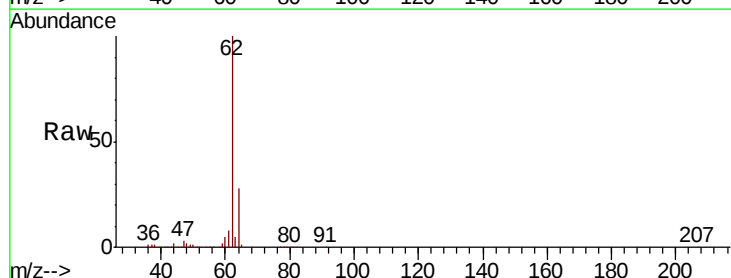
Acq: 11 Oct 2018 00:02

Tgt Ion: 62 Resp: 182029

Ion Ratio Lower Upper

62 100

64 28.4 25.5 38.3





#5

Bromomethane

Concen: 50.965 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

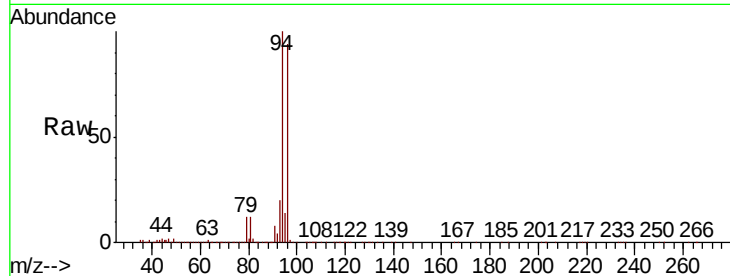
RE-109D2-20181005MSD

Tot Ion: 94 Resp: 102172

Ion Ratio Lower Upper

94 100

96 94.4 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

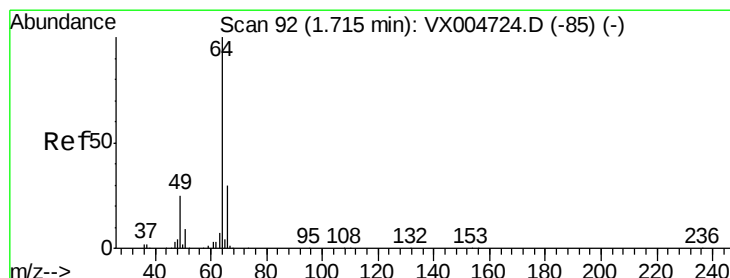
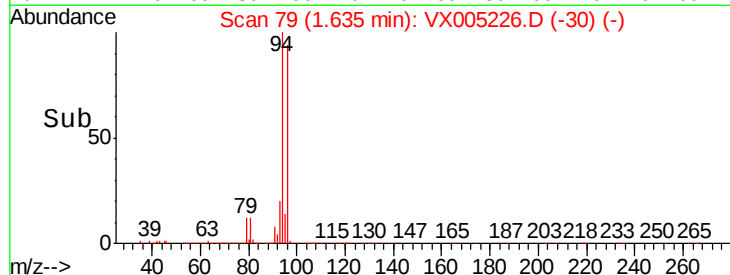
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 55.476 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005226.D

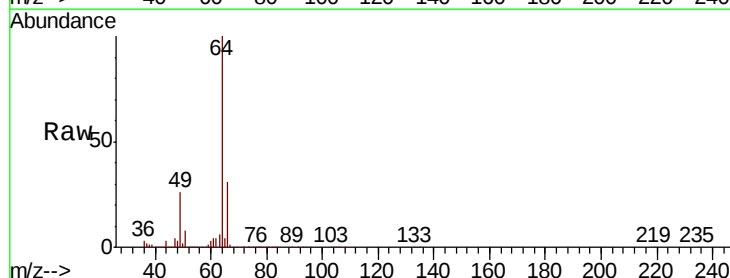
Acq: 11 Oct 2018 00:02

Tgt Ion: 64 Resp: 101741

Ion Ratio Lower Upper

64 100

66 31.1 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

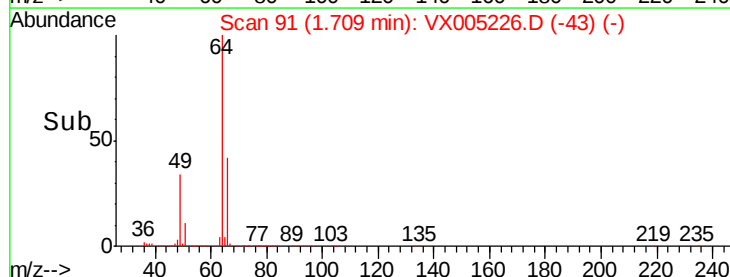
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20000

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1.60 1.65 1.70 1.75 1.80

Time-->



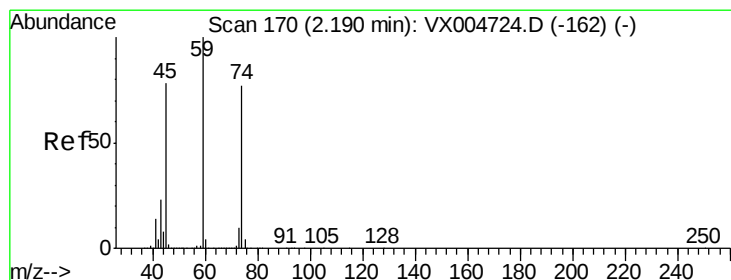
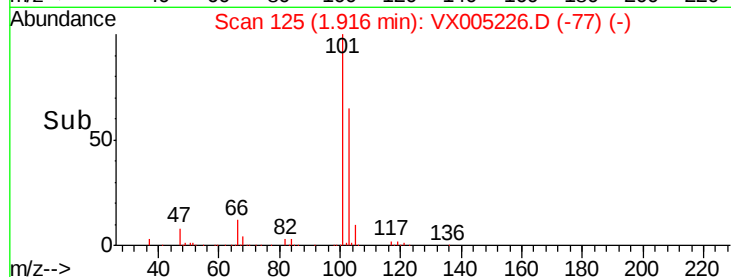
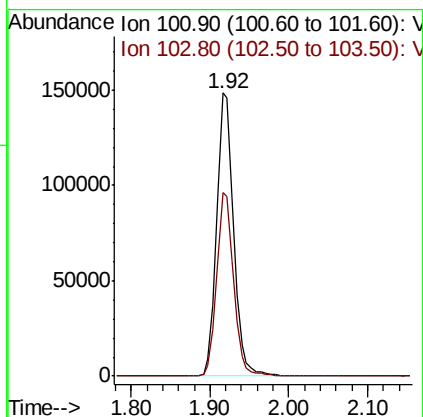
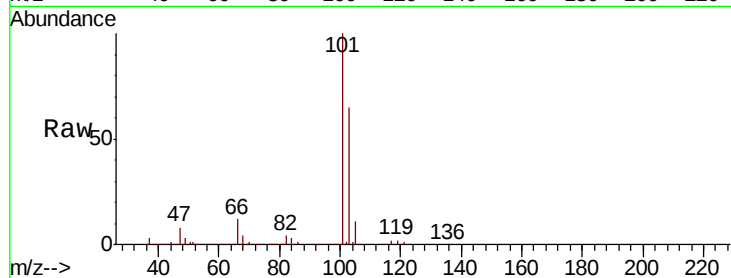


#7

Trichlorofluoromethane
 Concen: 53.415 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Instrument :
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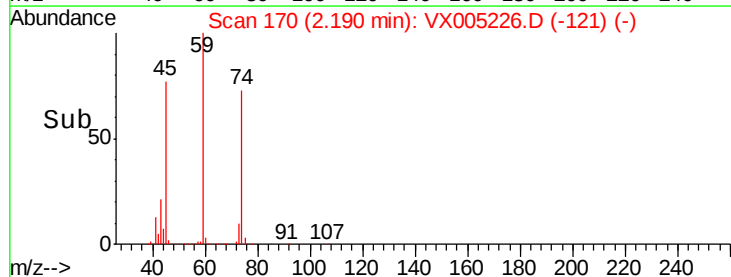
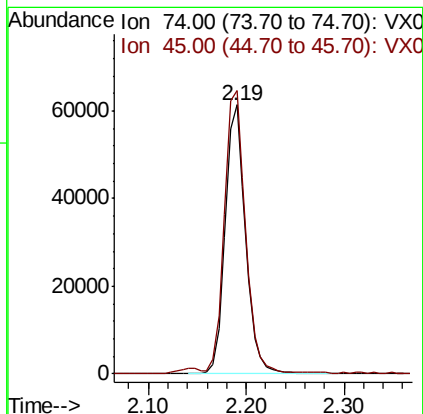
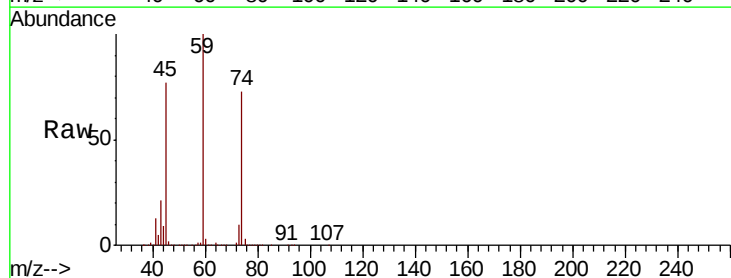
Tot Ion:101 Resp: 223560
 Ion Ratio Lower Upper
 101 100
 103 65.1 48.4 72.6



#8

Diethyl Ether
 Concen: 48.677 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion: 74 Resp: 88507
 Ion Ratio Lower Upper
 74 100
 45 107.3 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.528 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

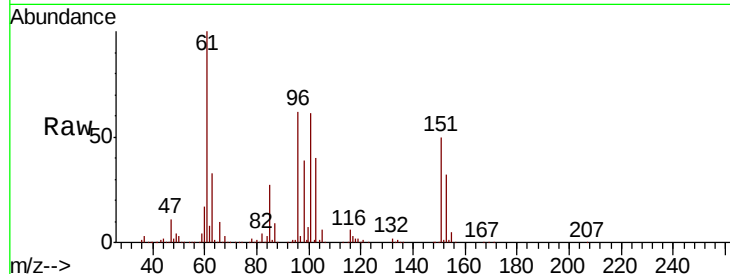
Tot Ion:101 Resp: 118080

Ion Ratio Lower Upper

101 100

85 44.2 35.9 53.9

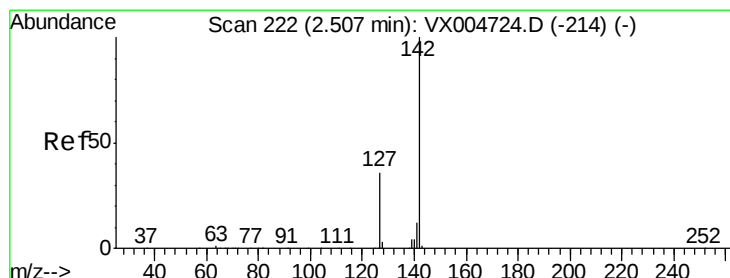
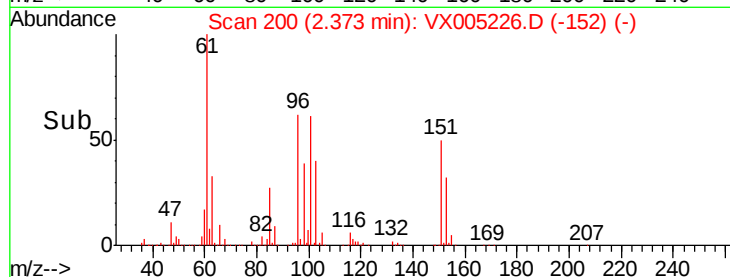
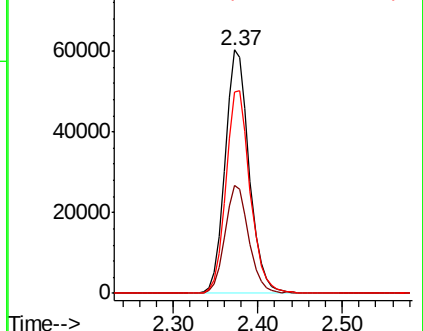
151 83.6 66.6 100.0



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: 48.188 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

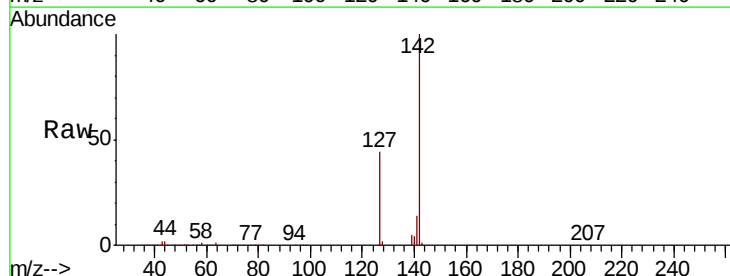
Tgt Ion:142 Resp: 153733

Ion Ratio Lower Upper

142 100

127 45.1 30.1 45.1

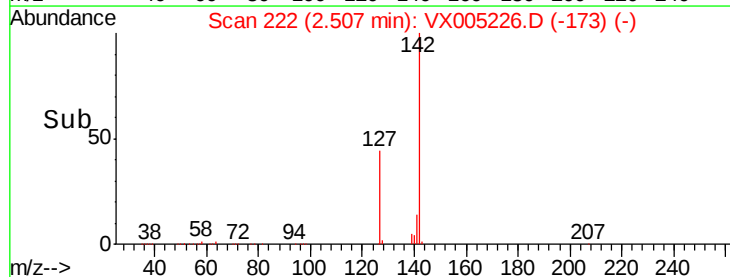
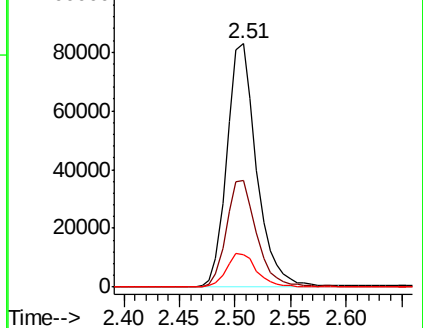
141 14.4 10.1 15.1

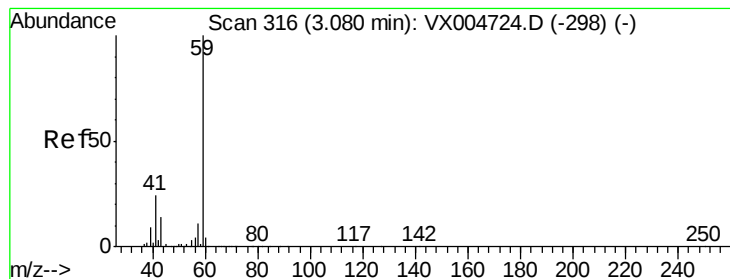


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



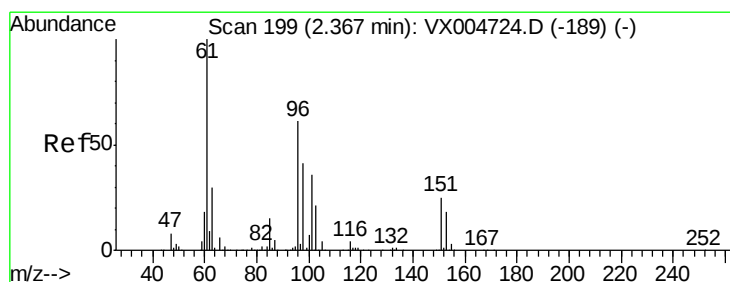
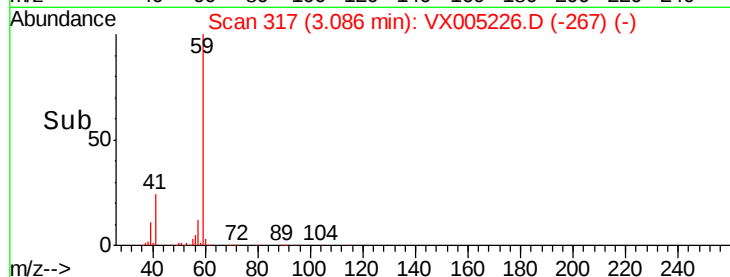
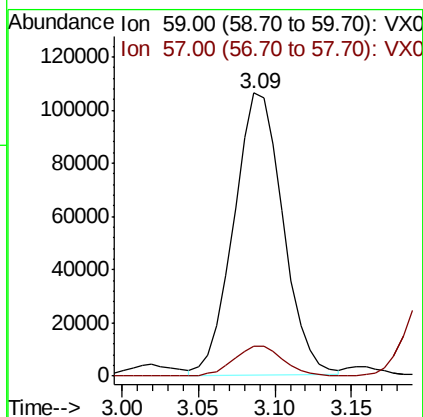
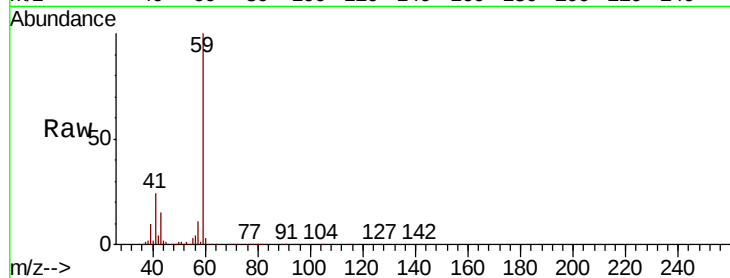


#11

Tert butyl alcohol
 Concen: 273.156 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

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

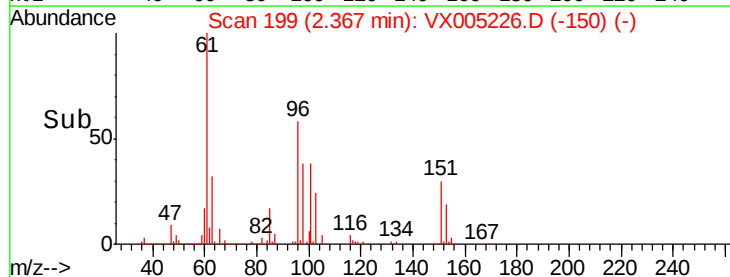
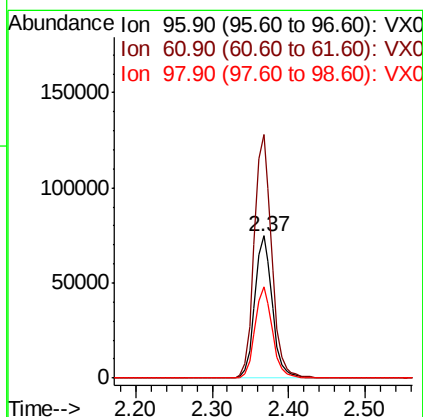
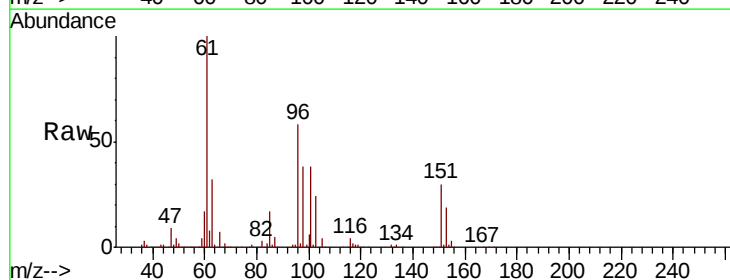
Tot Ion: 59 Resp: 237742
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8

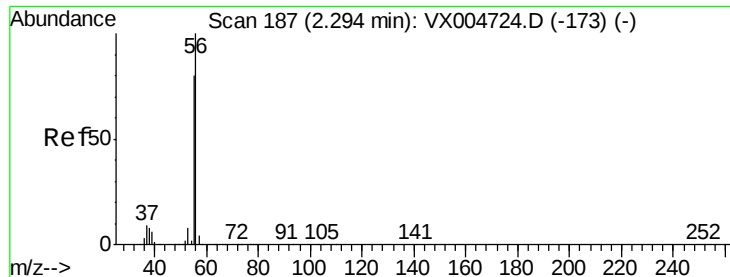


#12

1,1-Dichloroethene
 Concen: 50.540 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion: 96 Resp: 119329
 Ion Ratio Lower Upper
 96 100
 61 171.3 130.2 195.4
 98 64.5 53.4 80.0





#13

Acrolein

Concen: 180.505 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

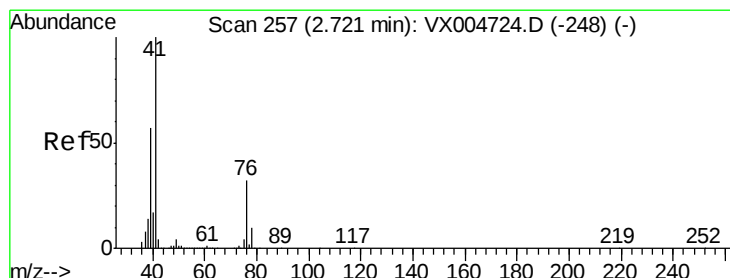
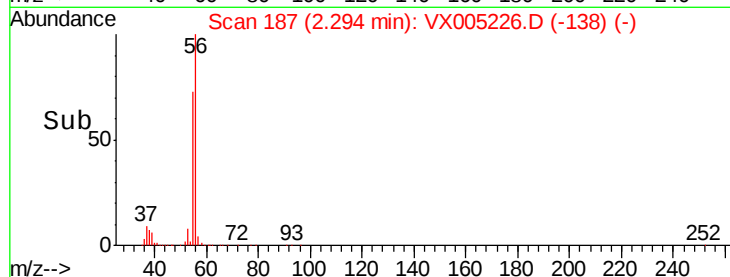
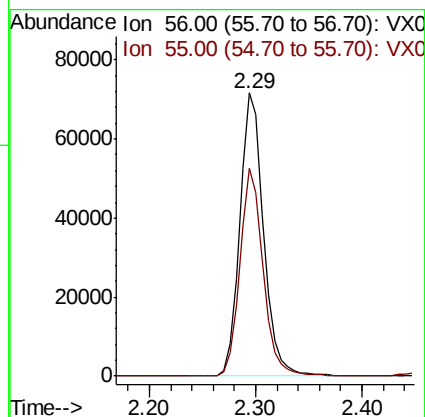
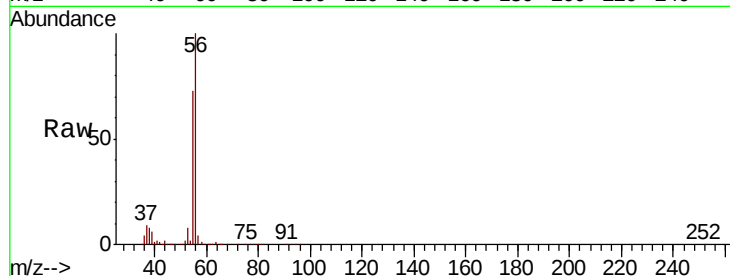
RE-109D2-20181005MSD

Tot Ion: 56 Resp: 111778

Ion Ratio Lower Upper

56 100

55 71.7 63.4 95.2



#14

Allyl chloride

Concen: 50.762 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

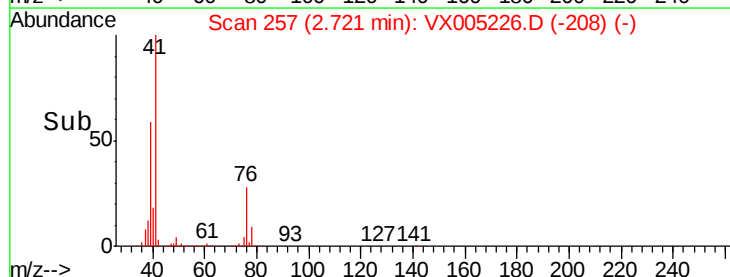
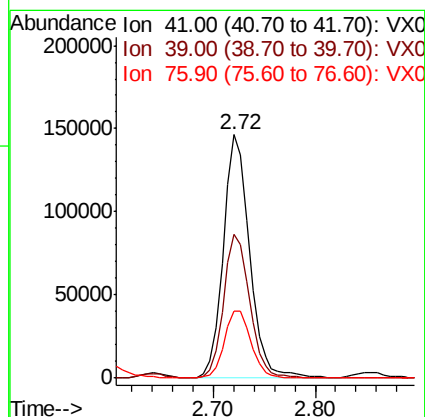
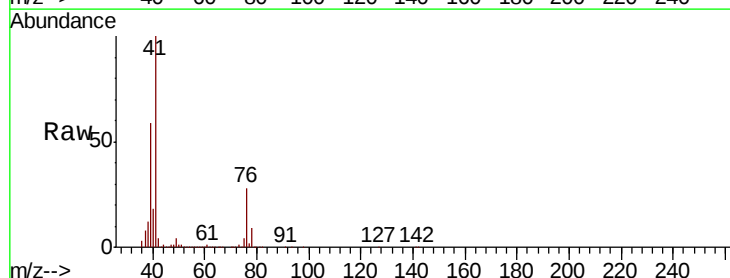
Tgt Ion: 41 Resp: 261504

Ion Ratio Lower Upper

41 100

39 58.4 44.1 66.1

76 28.4 25.0 37.4





#15

Acrylonitrile

Concen: 262.501 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

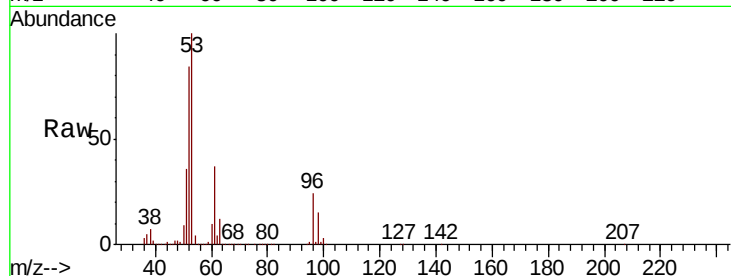
Tot Ion: 53 Resp: 502946

Ion	Ratio	Lower	Upper
53	100		
52	82.8	63.0	94.4
51	35.7	28.6	42.8

53 100

52 82.8 63.0 94.4

51 35.7 28.6 42.8

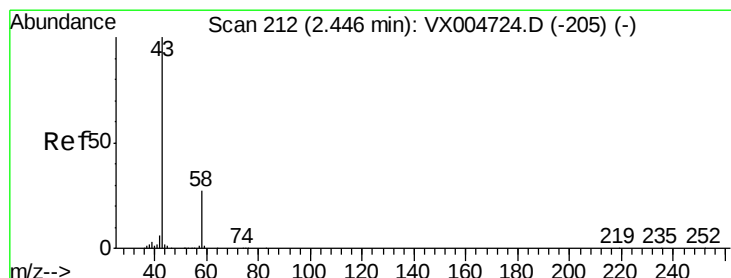
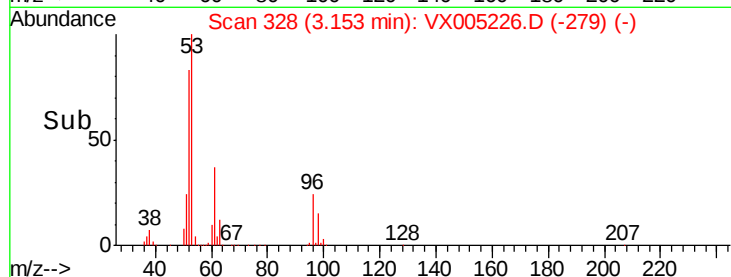
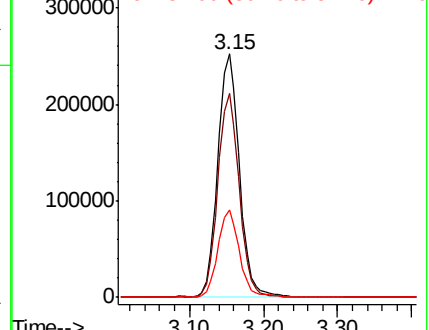


Abundance

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: 254.547 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005226.D

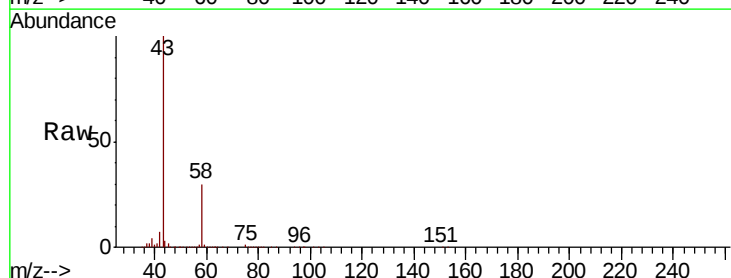
Acq: 11 Oct 2018 00:02

Tgt Ion: 43 Resp: 462584

Ion	Ratio	Lower	Upper
43	100		
58	30.4	21.8	32.6

43 100

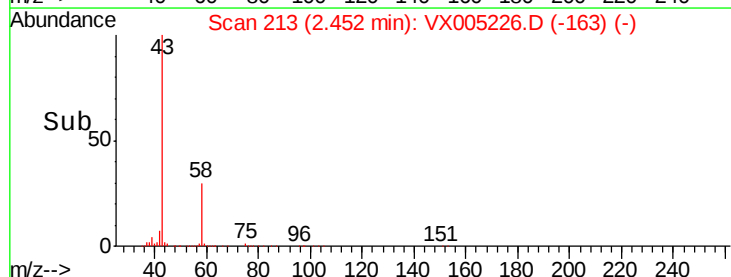
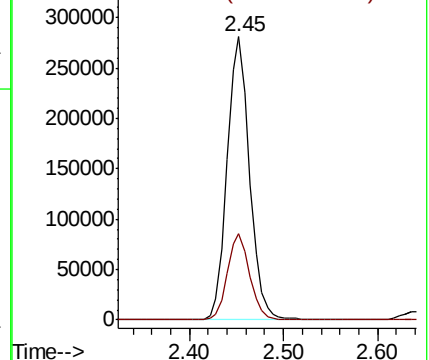
58 30.4 21.8 32.6



Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.095 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

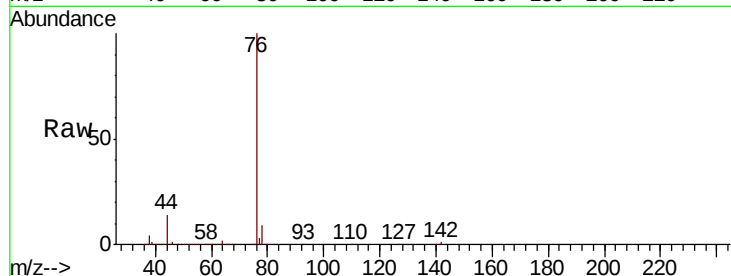
RE-109D2-20181005MSD

Tot Ion: 76 Resp: 355410

Ion Ratio Lower Upper

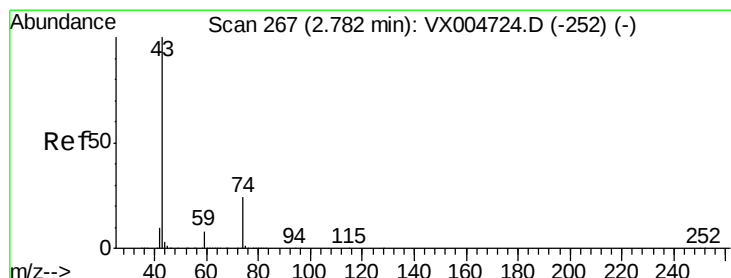
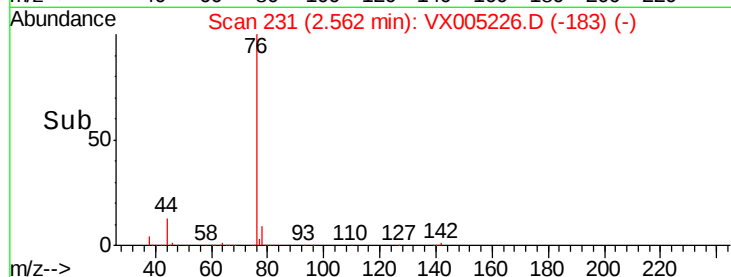
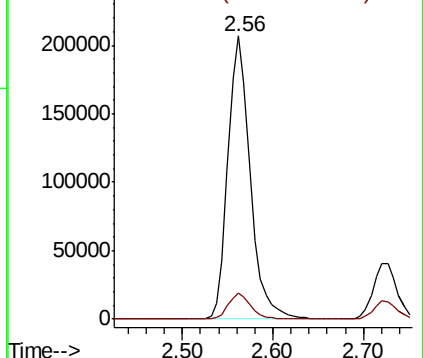
76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 51.759 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005226.D

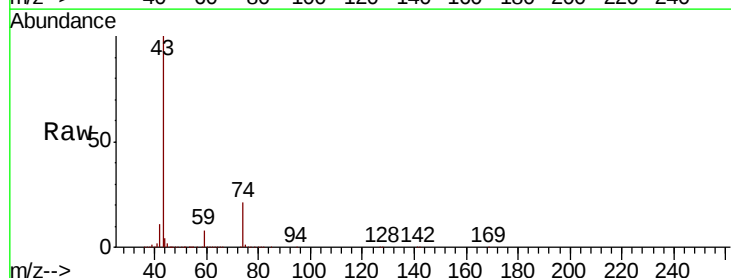
Acq: 11 Oct 2018 00:02

Tgt Ion: 43 Resp: 238311

Ion Ratio Lower Upper

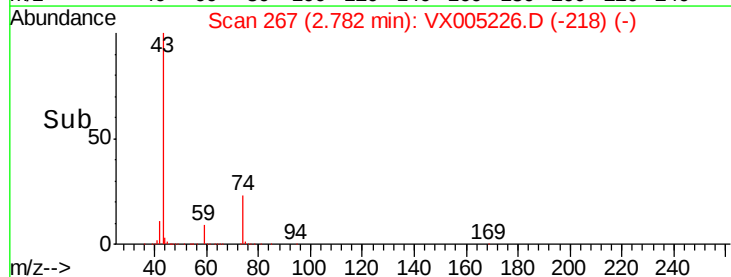
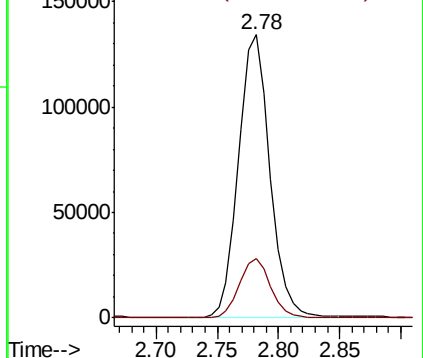
43 100

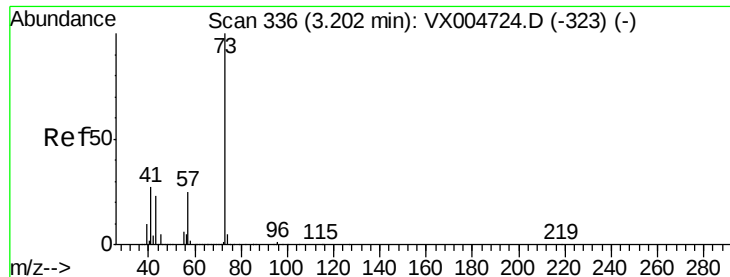
74 20.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



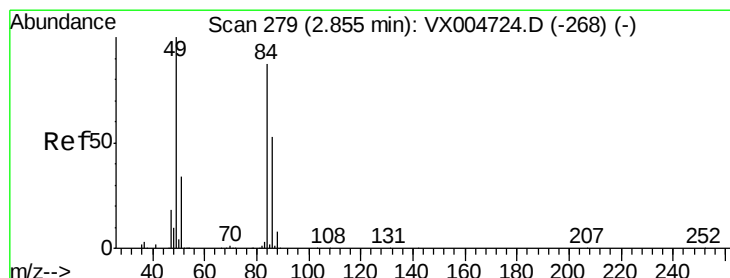
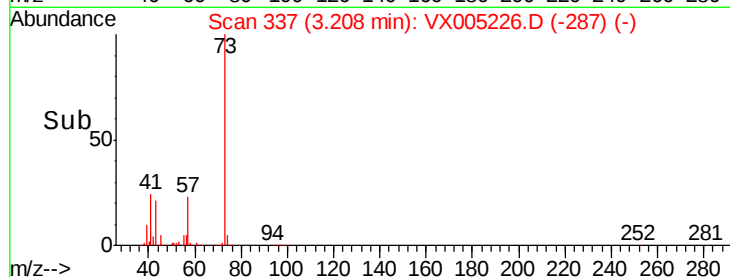
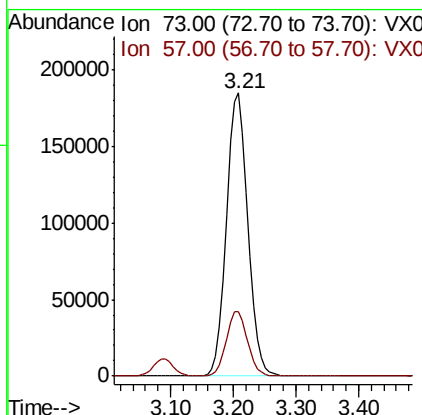
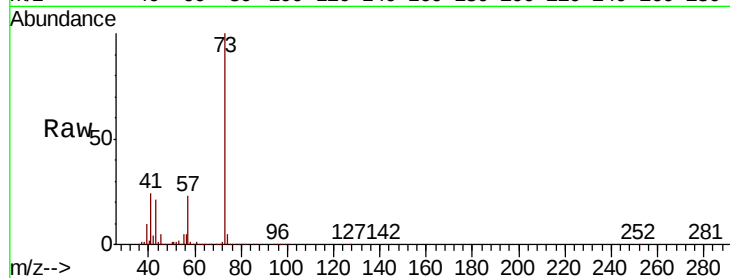


#19

Methyl tert-butyl Ether
 Concen: 53.424 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

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

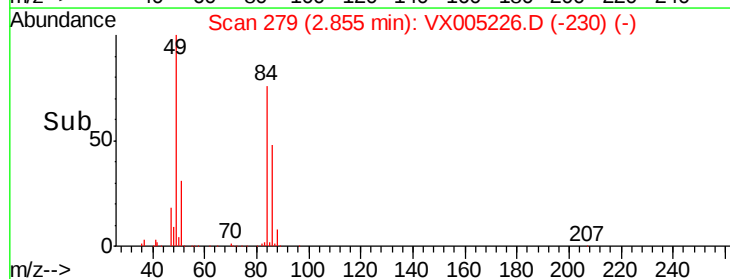
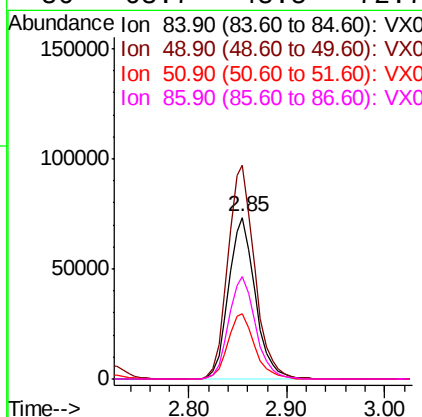
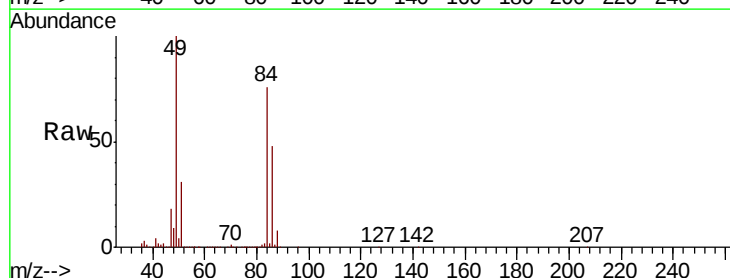
Tot Ion: 73 Resp: 435091
 Ion Ratio Lower Upper
 73 100
 57 22.9 19.9 29.9

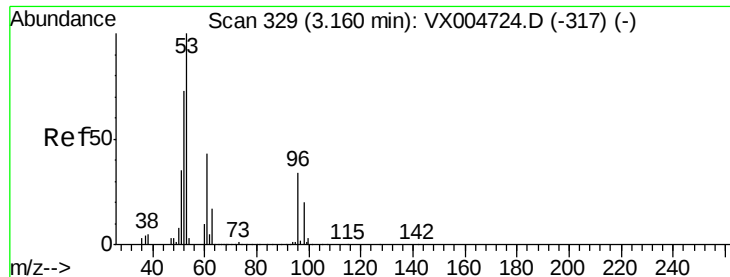


#20

Methylene Chloride
 Concen: 52.456 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion: 84 Resp: 138492
 Ion Ratio Lower Upper
 84 100
 49 132.2 92.3 138.5
 51 40.7 31.8 47.6
 86 63.7 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 49.163 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

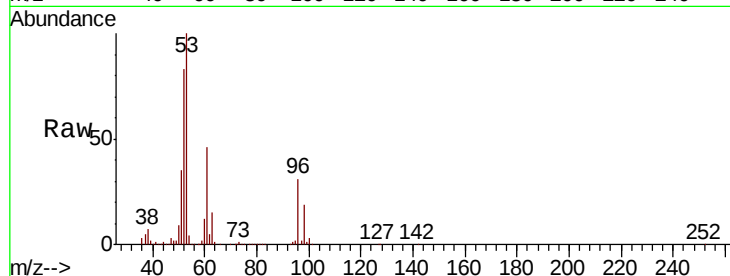
Tot Ion: 96 Resp: 127067

Ion Ratio Lower Upper

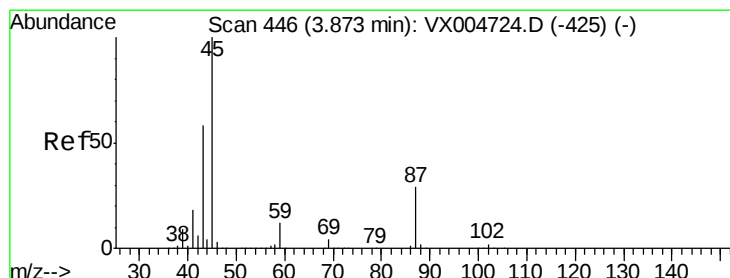
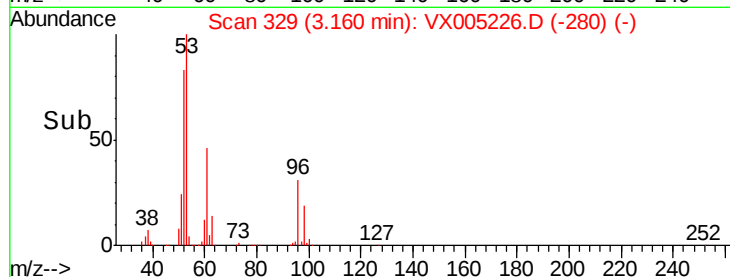
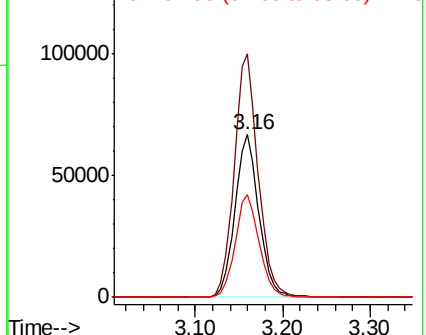
96 100

61 149.3 101.0 151.6

98 63.1 47.2 70.8



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



#22

Diisopropyl ether

Concen: 49.045 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Tgt Ion: 45 Resp: 425462

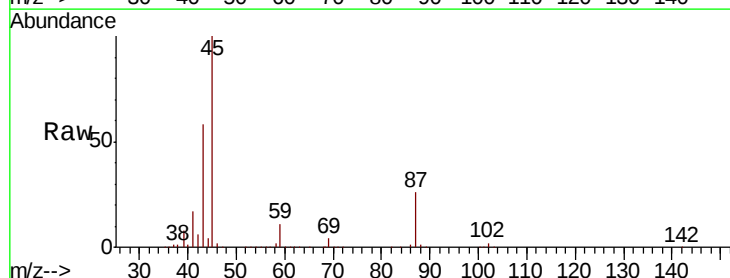
Ion Ratio Lower Upper

45 100

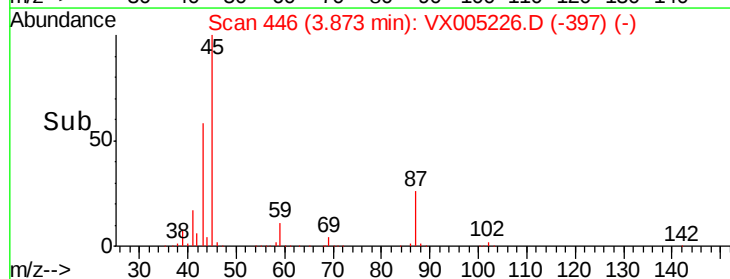
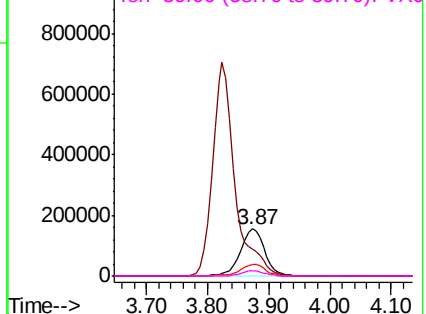
43 57.5 46.7 70.1

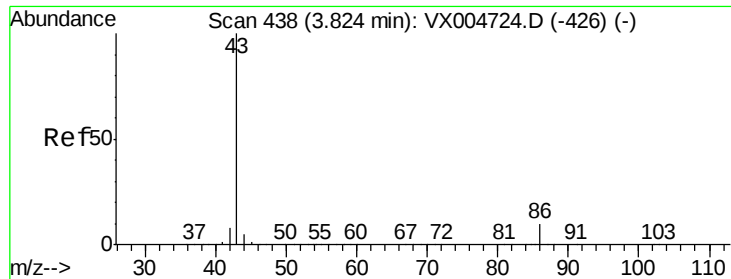
87 25.8 22.9 34.3

59 11.3 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: 227.658 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

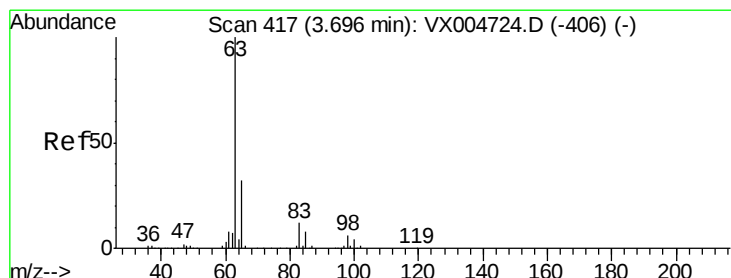
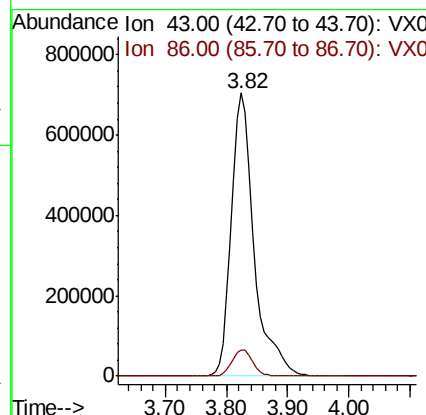
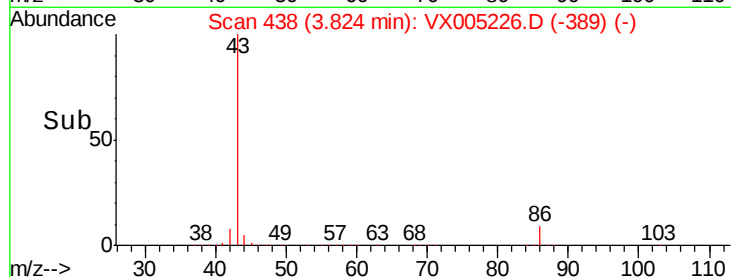
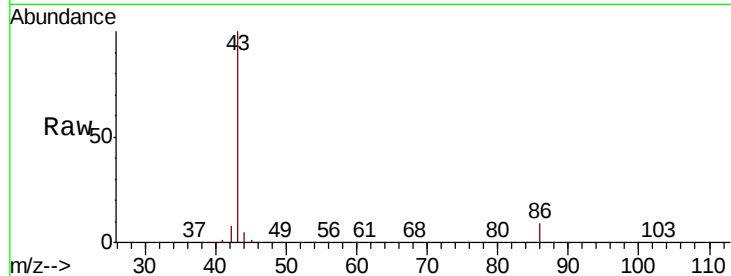
RE-109D2-20181005MSD

Tot Ion: 43 Resp: 1807745

Ion Ratio Lower Upper

43 100

86 9.4 8.1 12.1



#24

1,1-Dichloroethane

Concen: 49.566 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

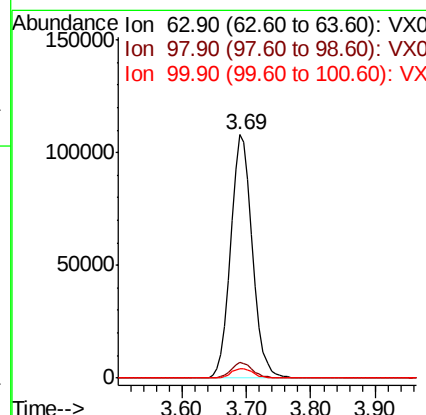
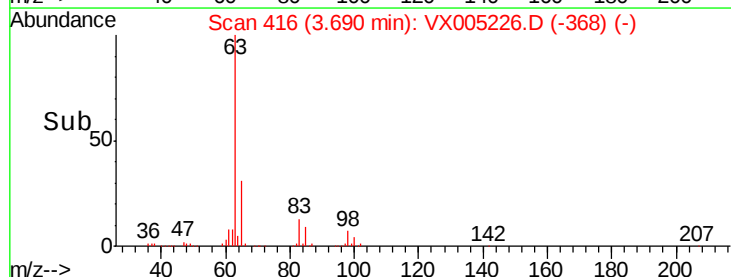
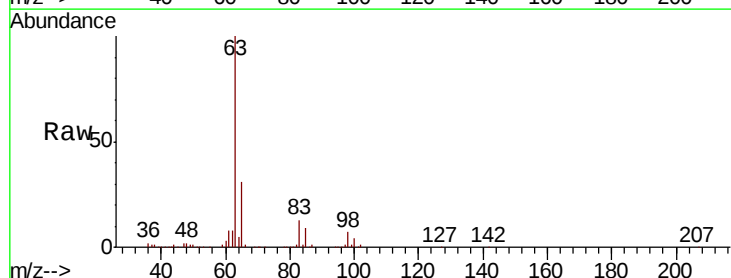
Tgt Ion: 63 Resp: 256487

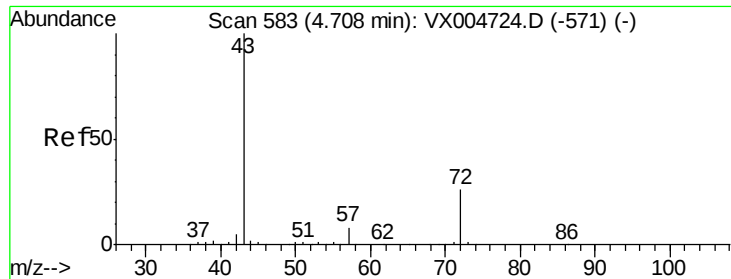
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 245.039 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

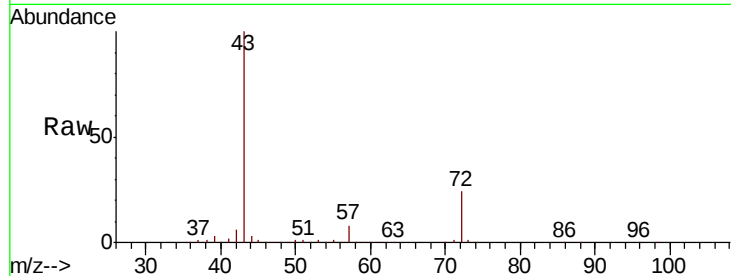
RE-109D2-20181005MSD

Tot Ion: 43 Resp: 656393

Ion Ratio Lower Upper

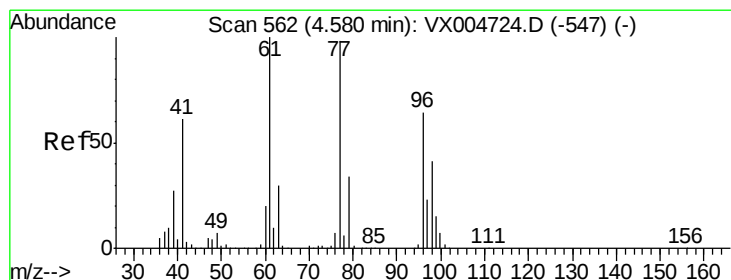
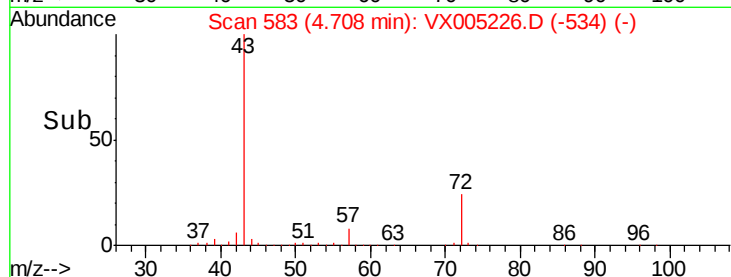
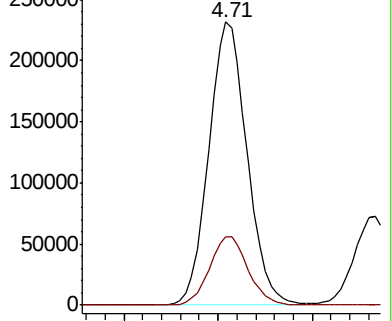
43 100

72 24.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 36.058 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005226.D

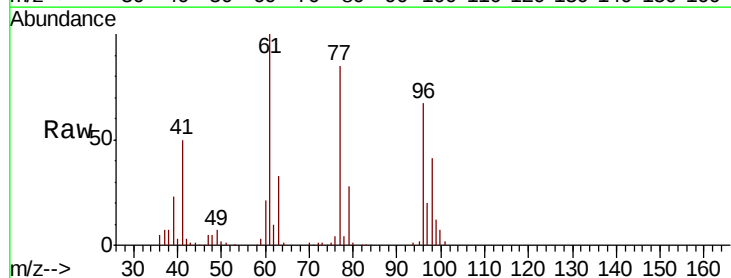
Acq: 11 Oct 2018 00:02

Tgt Ion: 77 Resp: 129930

Ion Ratio Lower Upper

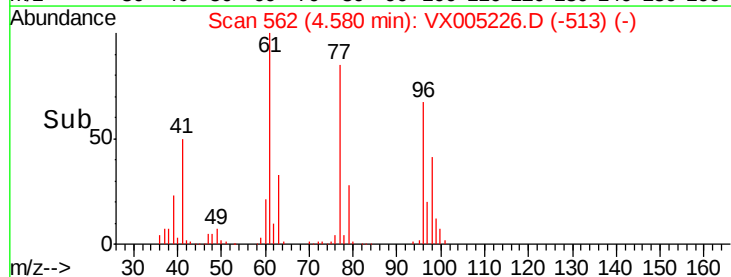
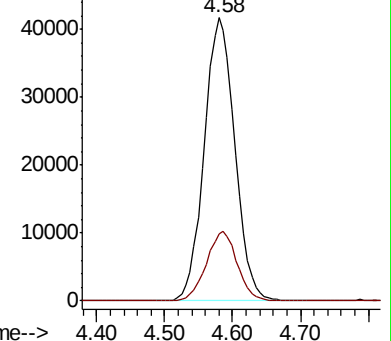
77 100

97 24.8 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



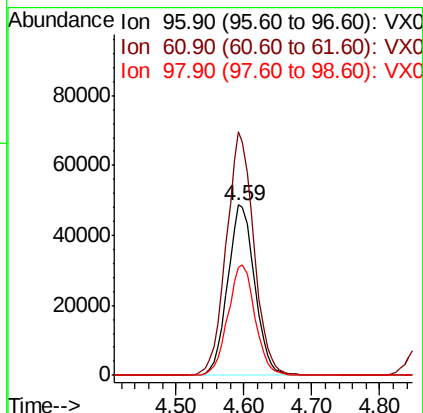
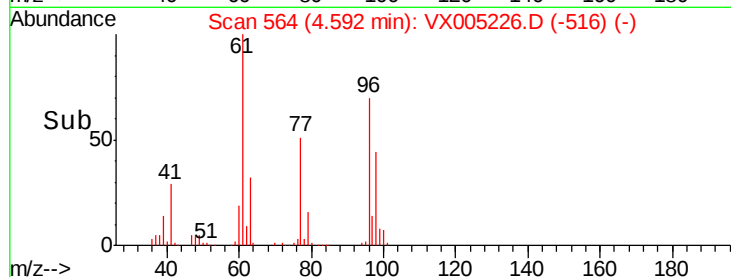
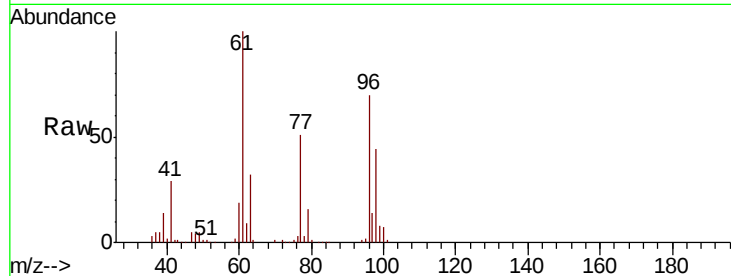


#27

cis-1,2-Dichloroethene
Concen: 46.439 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

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

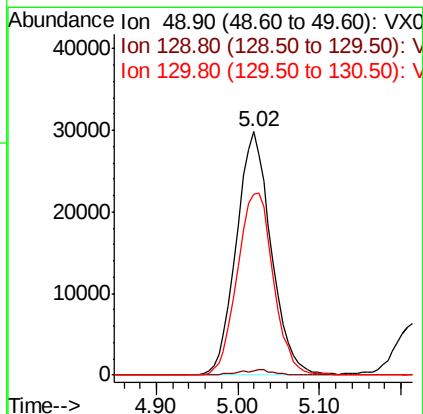
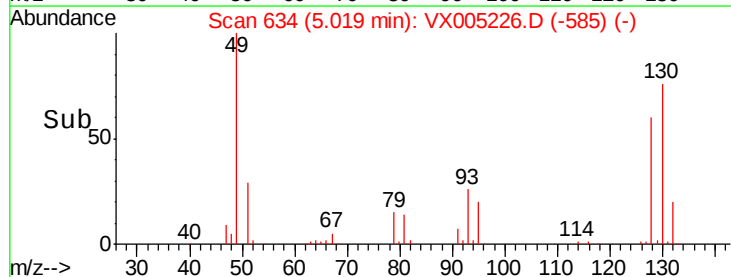
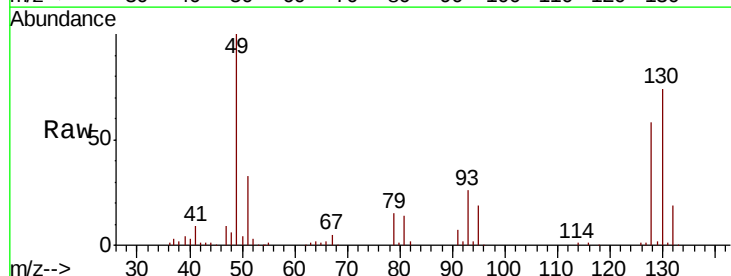
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	285.8
98	64.8	0.0	136.2



#28

Bromochloromethane
Concen: 36.307 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	77.5	62.0	93.0





#29

Tetrahydrofuran

Concen: 256.488 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

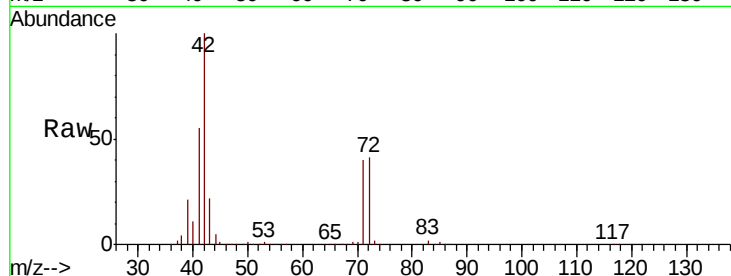
Tot Ion: 42 Resp: 427034

Ion Ratio Lower Upper

42 100

72 41.4 33.7 50.5

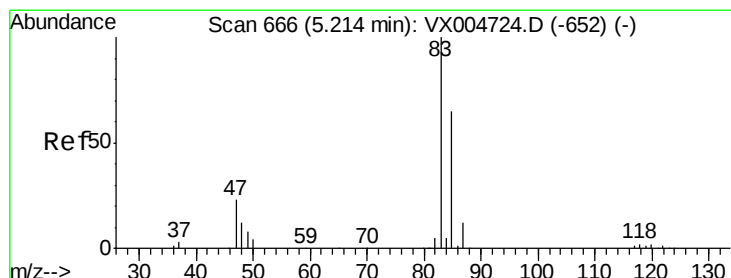
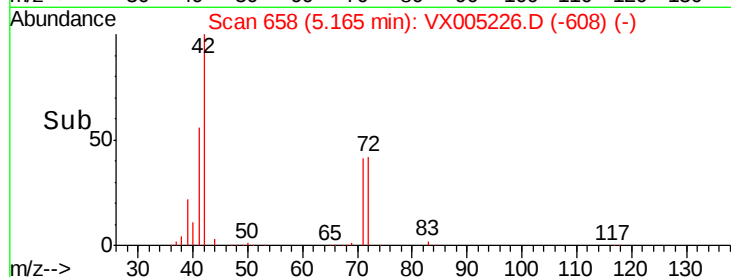
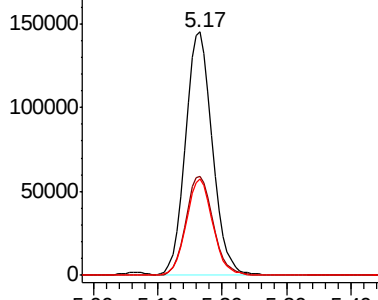
71 39.1 32.2 48.4



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



#30

Chloroform

Concen: 47.023 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005226.D

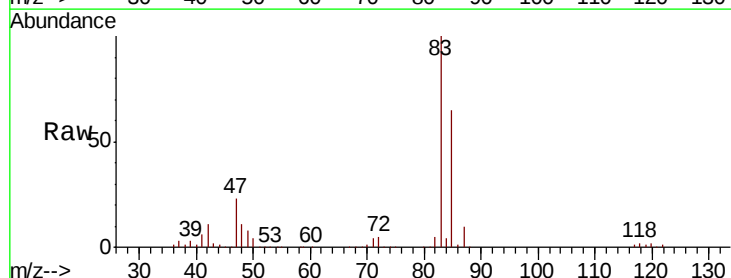
Acq: 11 Oct 2018 00:02

Tgt Ion: 83 Resp: 229967

Ion Ratio Lower Upper

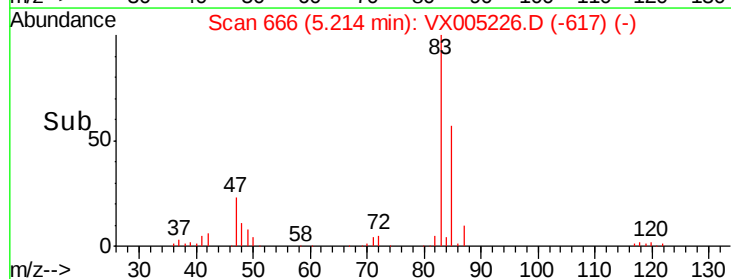
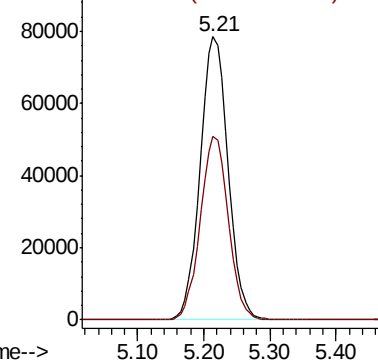
83 100

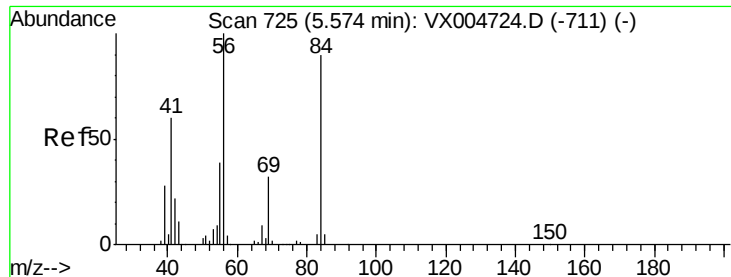
85 64.9 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

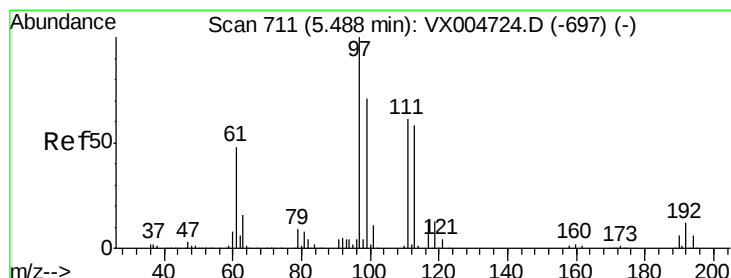
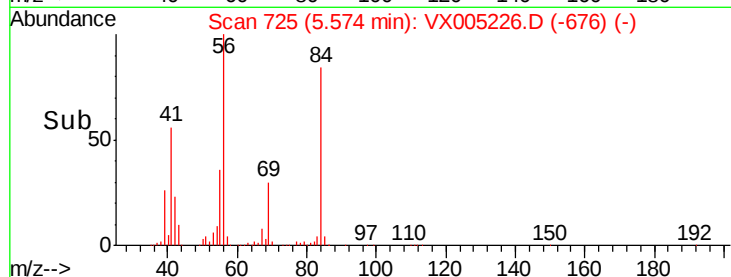
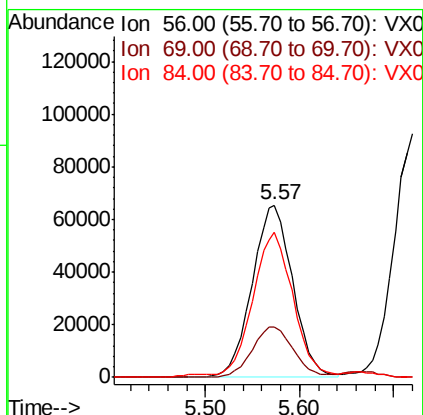
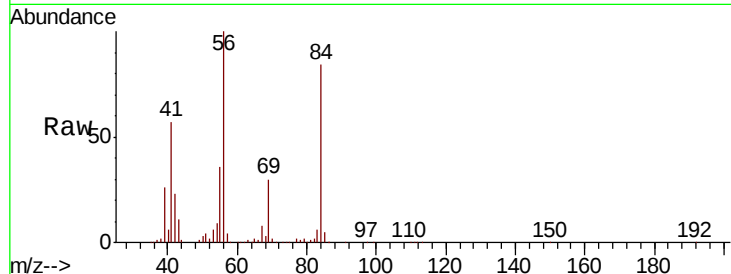




#31
Cyclohexane
Concen: 49.902 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

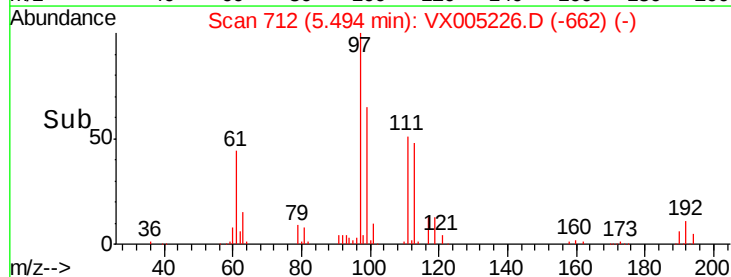
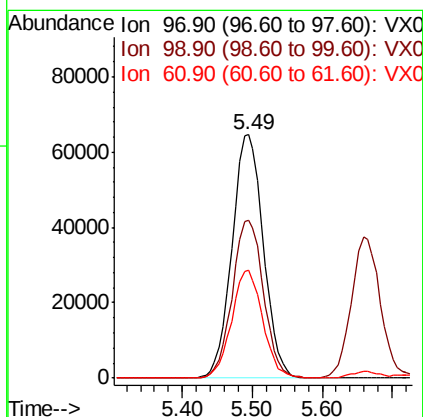
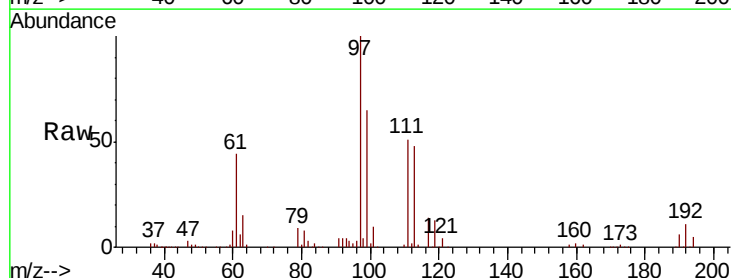
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MSD

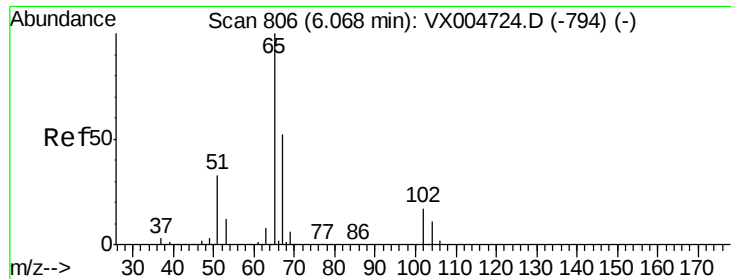
Tot Ion: 56 Resp: 197639
Ion Ratio Lower Upper
56 100
69 29.6 25.9 38.9
84 83.1 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 50.293 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion: 97 Resp: 200870
Ion Ratio Lower Upper
97 100
99 64.4 54.6 82.0
61 44.2 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 40.104 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

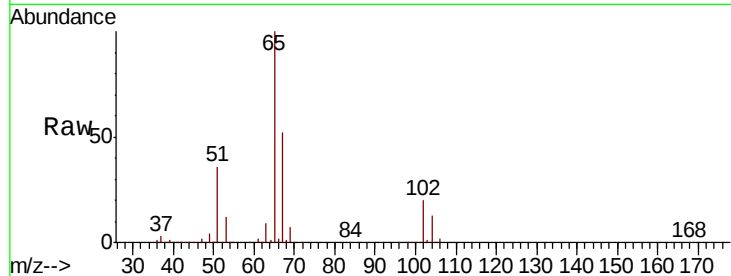
RE-109D2-20181005MSD

Tot Ion: 65 Resp: 124833

Ion Ratio Lower Upper

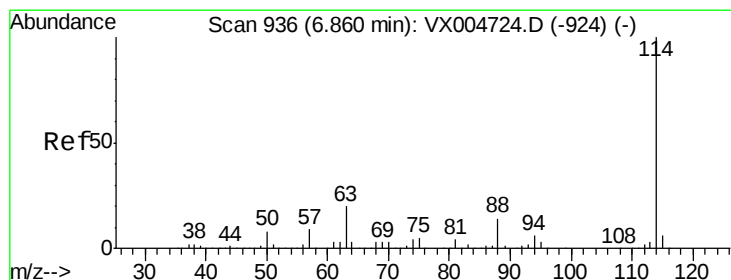
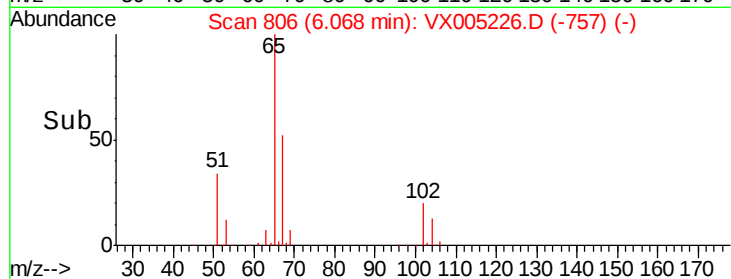
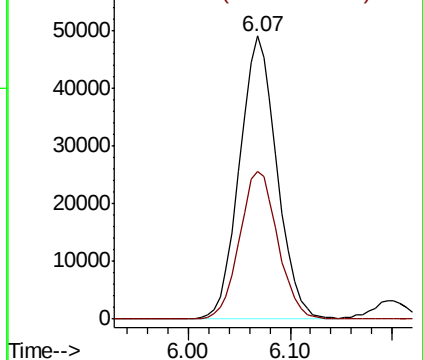
65 100

67 53.7 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

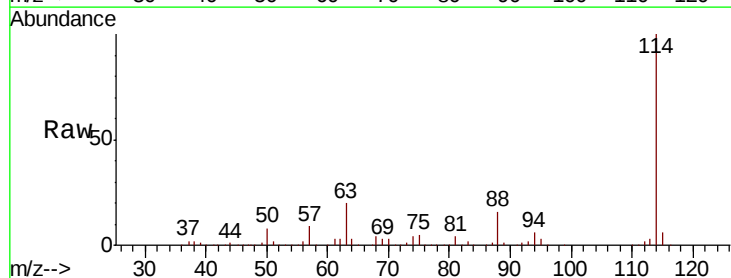
Tgt Ion: 114 Resp: 320402

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

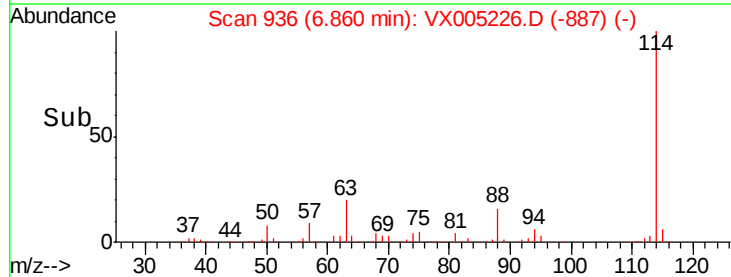
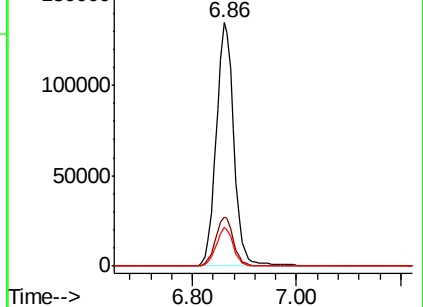
88 15.7 0.0 27.0



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: 37.274 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

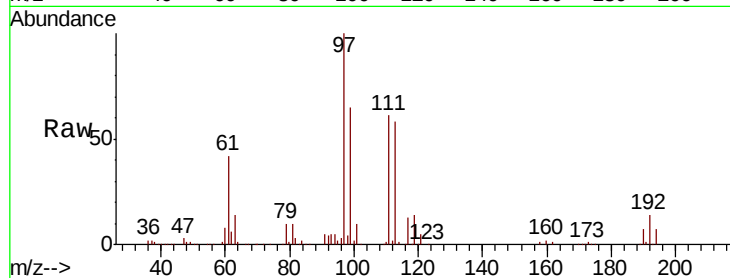
Tot Ion:113 Resp: 101216

Ion Ratio Lower Upper

113 100

111 103.3 77.0 115.4

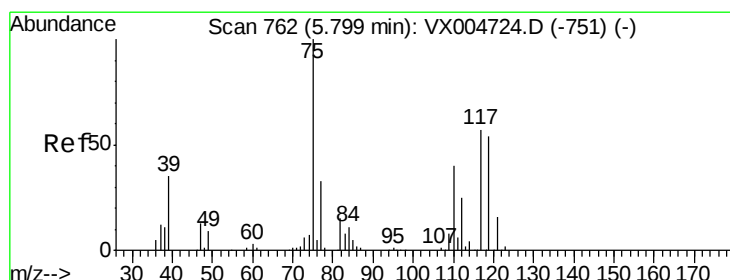
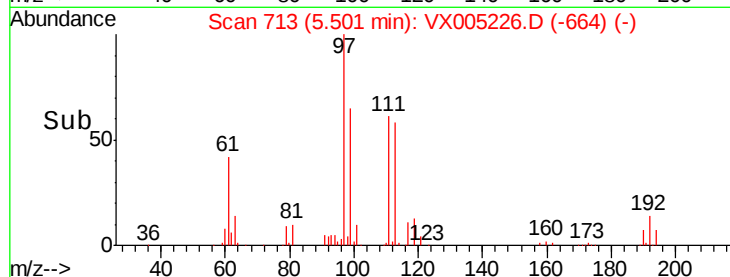
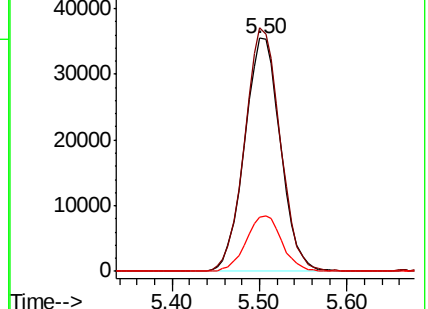
192 23.8 17.0 25.6



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: 46.763 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

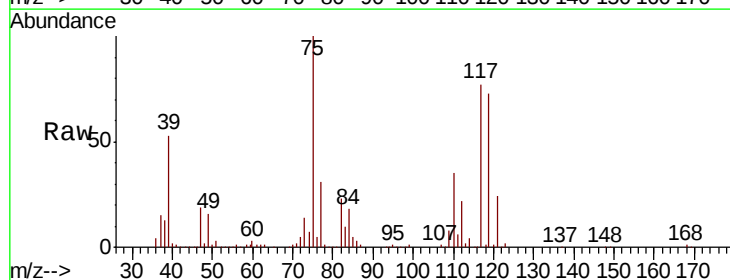
Tgt Ion: 75 Resp: 173252

Ion Ratio Lower Upper

75 100

110 35.9 20.0 59.9

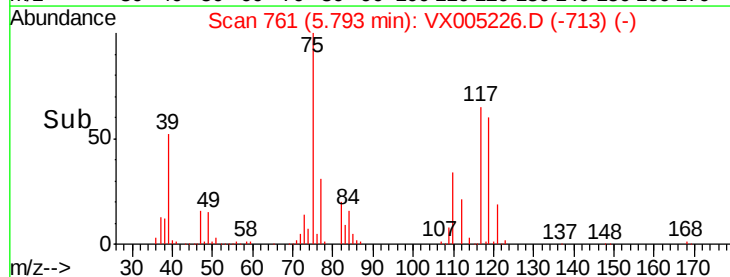
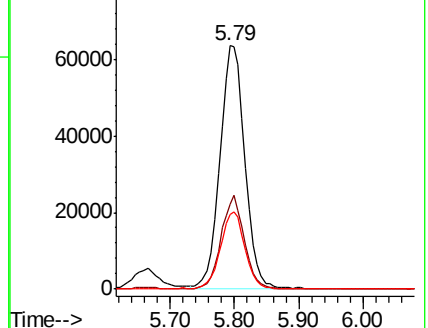
77 30.7 27.1 40.7

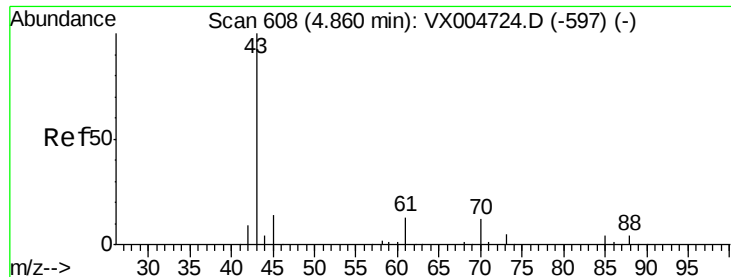


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 43.010 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

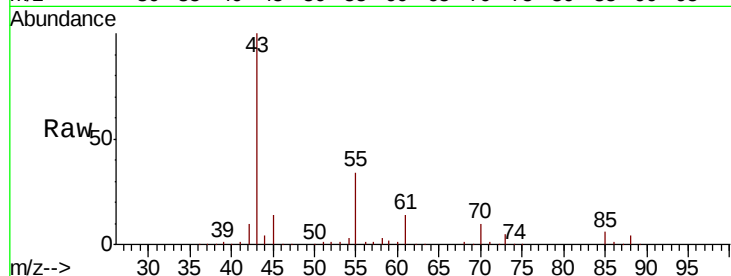
Tot Ion: 43 Resp: 211516

Ion Ratio Lower Upper

43 100

61 13.5 10.4 15.6

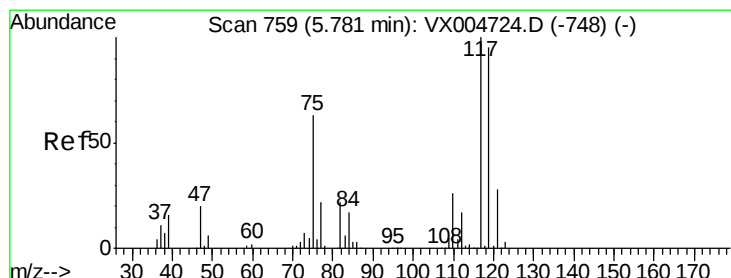
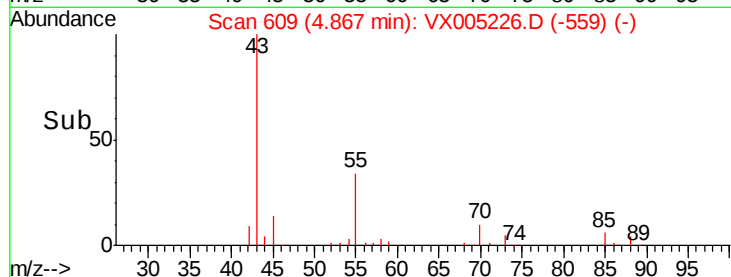
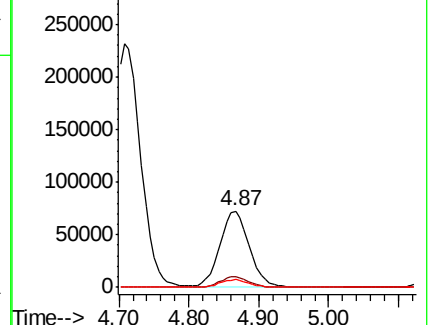
70 9.9 8.7 13.1



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

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

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



#38

Carbon Tetrachloride

Concen: 46.308 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

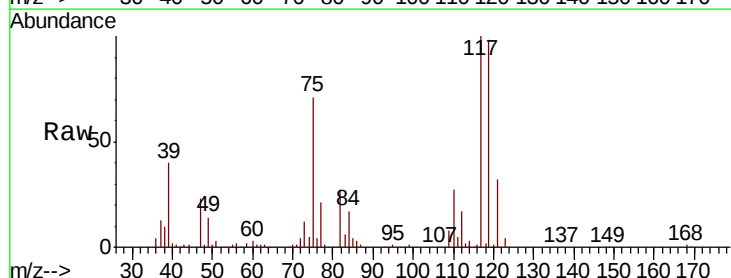
Tgt Ion: 117 Resp: 180348

Ion Ratio Lower Upper

117 100

119 98.4 75.2 112.8

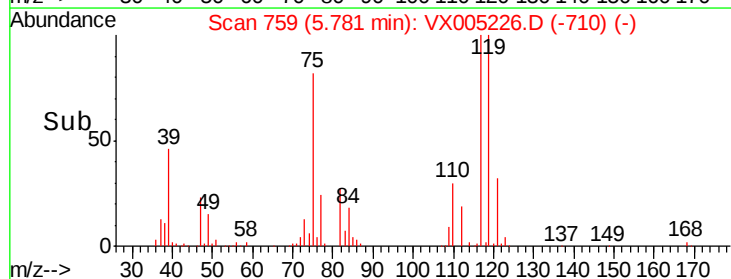
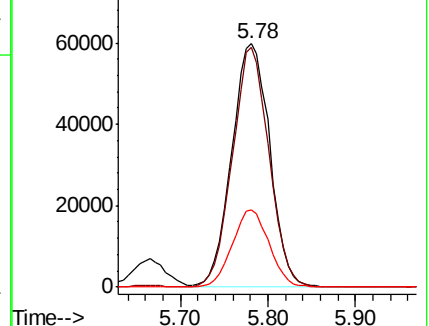
121 31.9 22.5 33.7

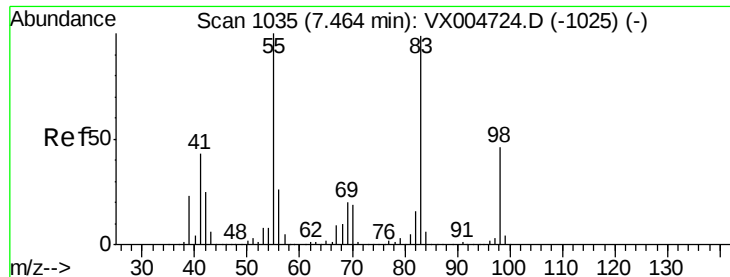


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

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

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

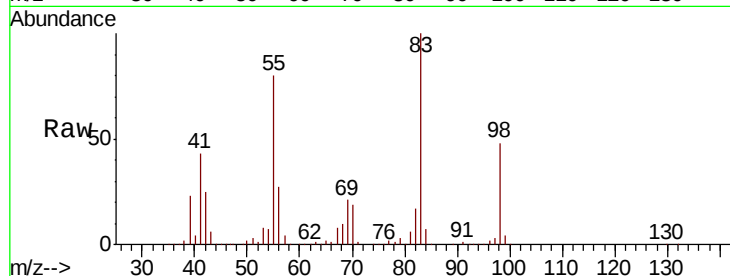




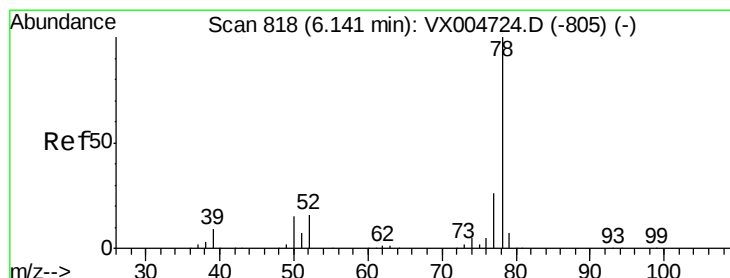
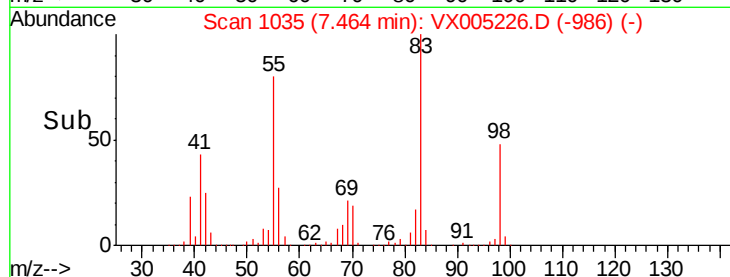
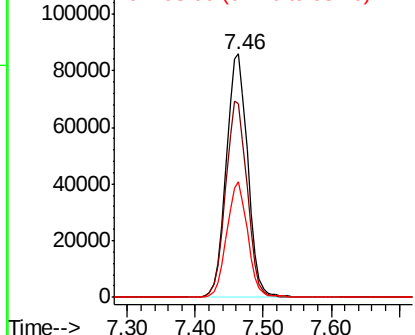
#39
Methylvlcvclohexane
Concen: 49.714 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

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

Tot Ion: 83 Resp: 188072
Ion Ratio Lower Upper
83 100
55 79.7 81.1 121.7#
98 47.5 37.3 55.9

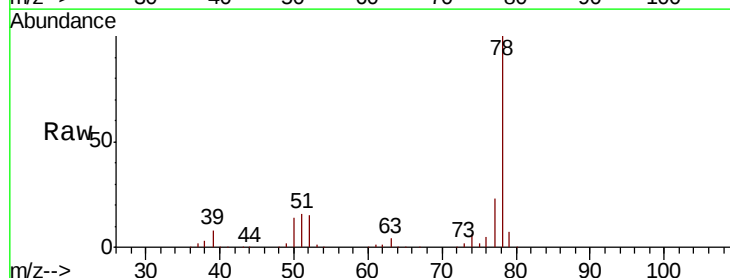


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

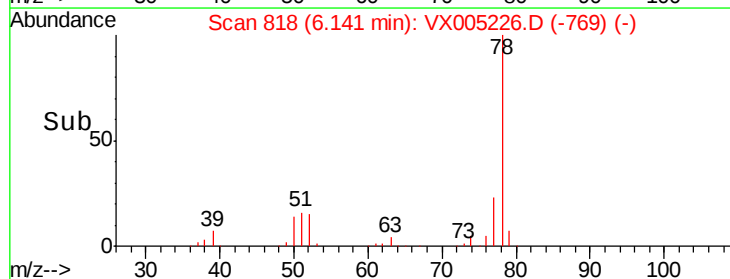
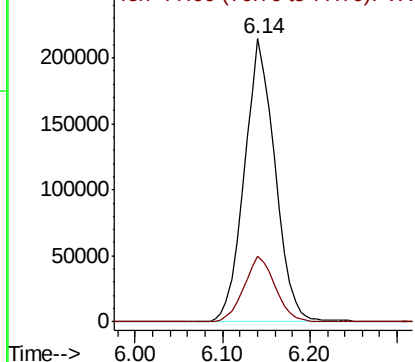


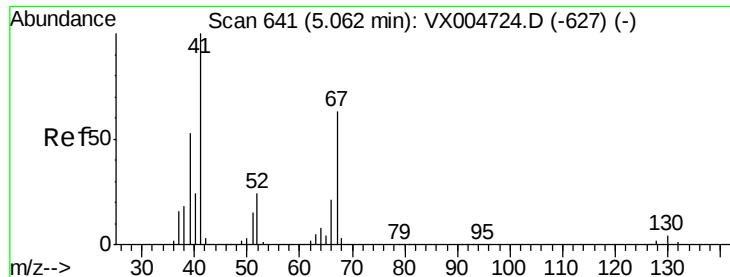
#40
Benzene
Concen: 44.813 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion: 78 Resp: 519778
Ion Ratio Lower Upper
78 100
77 23.0 21.0 31.4



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





#41

Methacrylonitrile

Concen: 46.781 ug/l

RT: 5.06 min Scan# 641

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

Tot Ion: 41 Resp: 127587

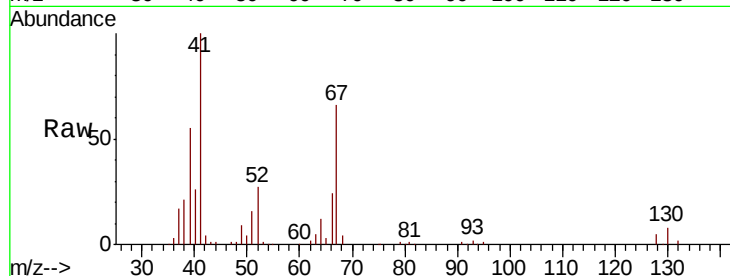
Ion Ratio Lower Upper

41 100

39 53.7 42.5 63.7

67 66.8 53.0 79.6

52 27.4 19.8 29.8

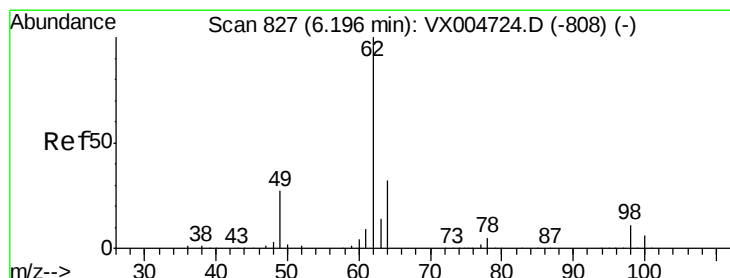
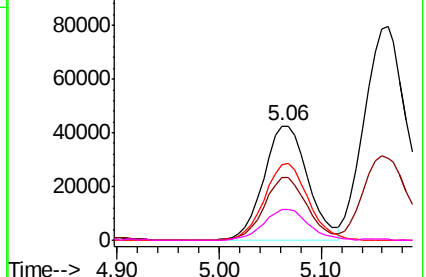
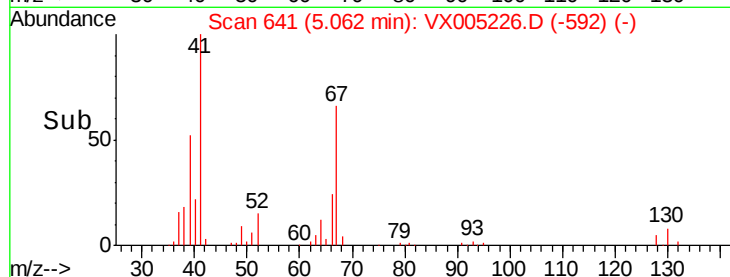


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 45.974 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005226.D

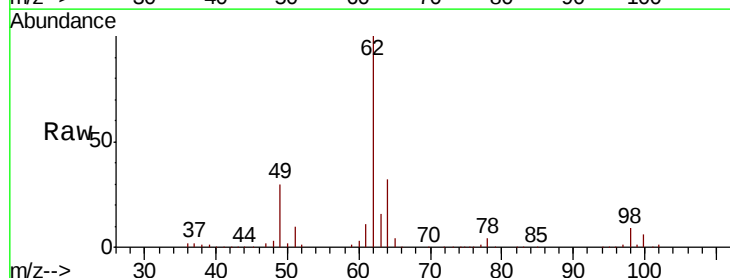
Acq: 11 Oct 2018 00:02

Tgt Ion: 62 Resp: 188507

Ion Ratio Lower Upper

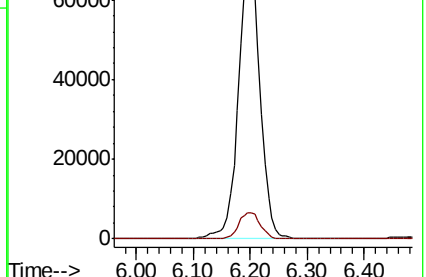
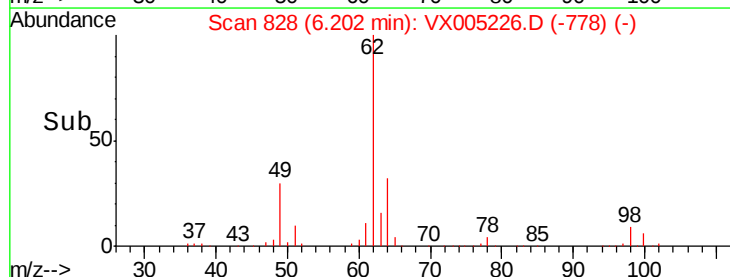
62 100

98 9.3 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: 44.699 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

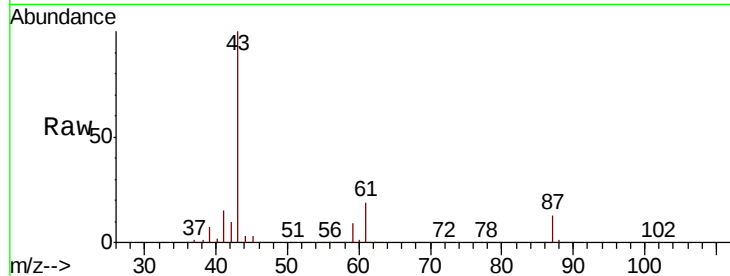
Tot Ion: 43 Resp: 317284

Ion Ratio Lower Upper

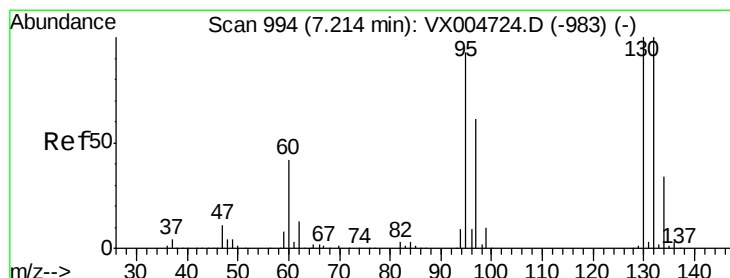
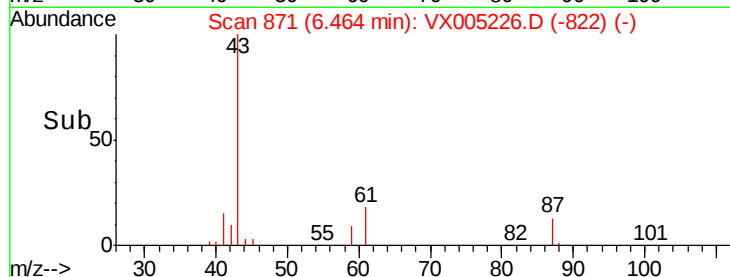
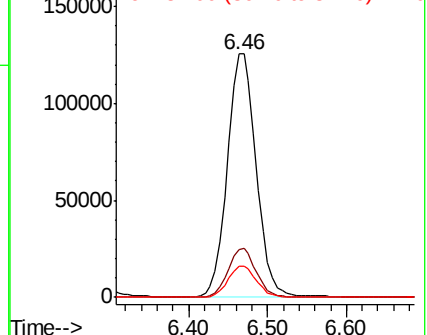
43 100

61 19.7 14.2 21.4

87 12.8 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: 75.452 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005226.D

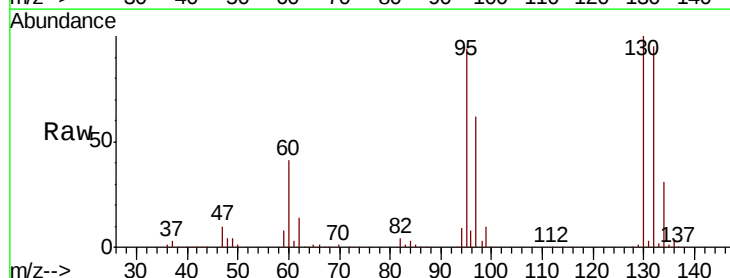
Acq: 11 Oct 2018 00:02

Tgt Ion:130 Resp: 215141

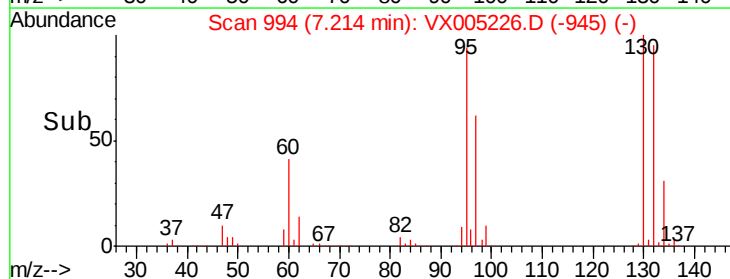
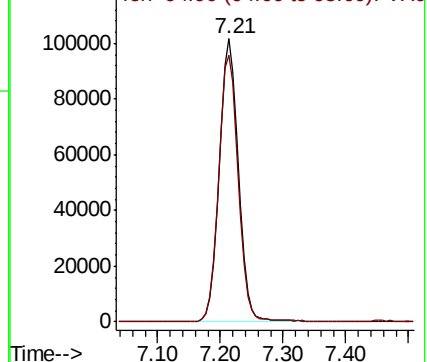
Ion Ratio Lower Upper

130 100

95 94.2 0.0 186.8



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

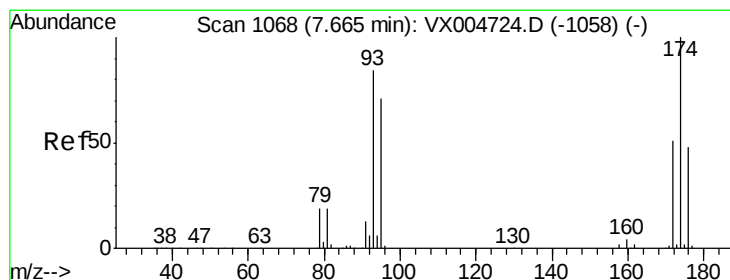
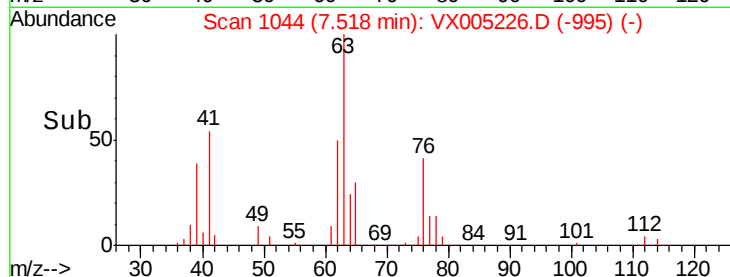
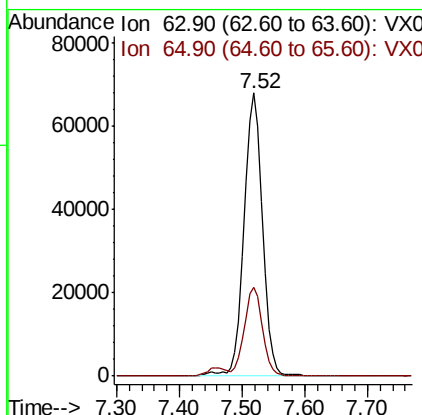
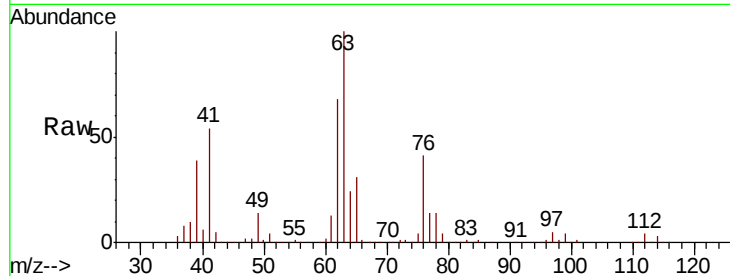




#45
 1,2-Dichloropropane
 Concen: 48.885 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

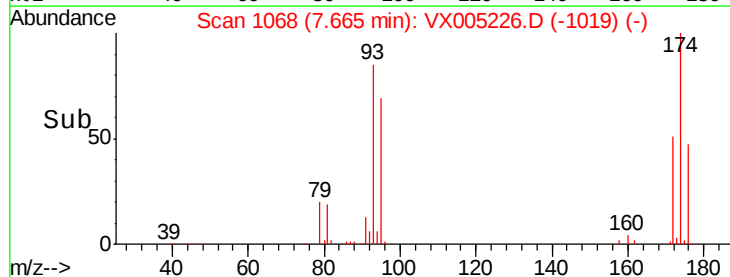
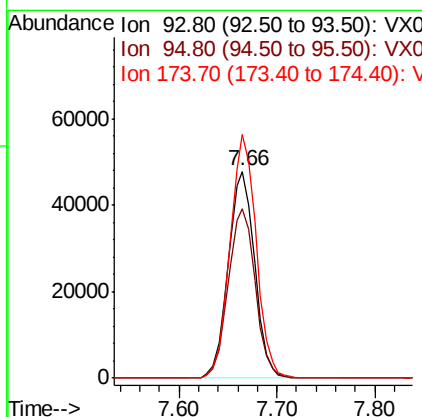
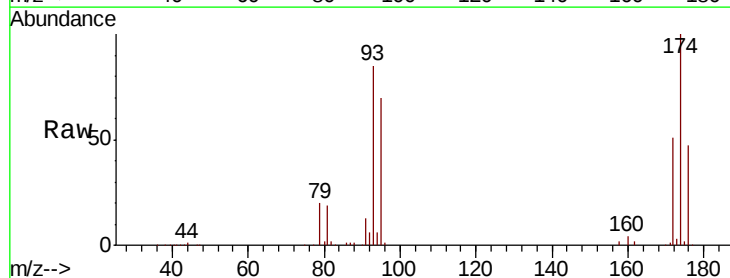
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MSD

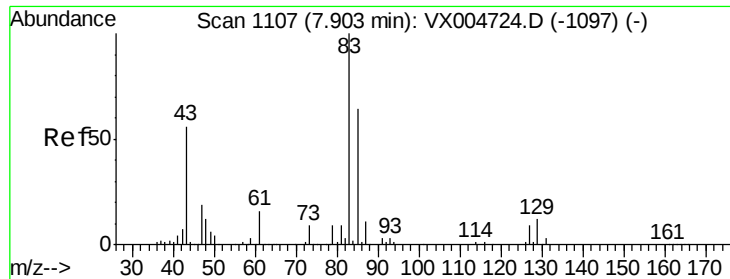
Tot Ion: 63 Resp: 139048
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.9 35.9



#46
 Dibromomethane
 Concen: 50.144 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion: 93 Resp: 89637
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 117.0 92.7 139.1





#47

Bromodichloromethane

Concen: 52.386 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

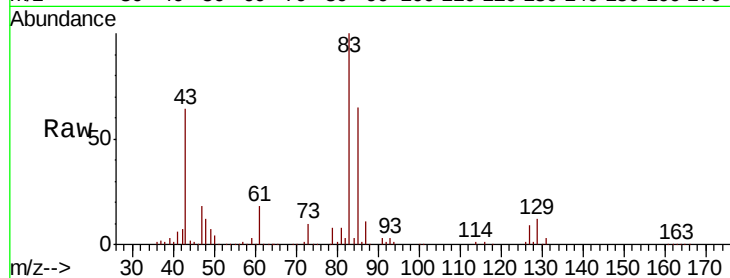
Tot Ion: 83 Resp: 175329

Ion Ratio Lower Upper

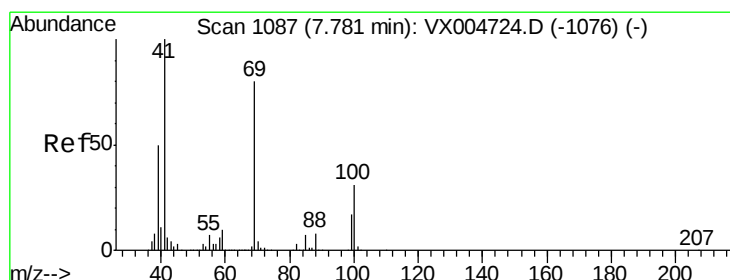
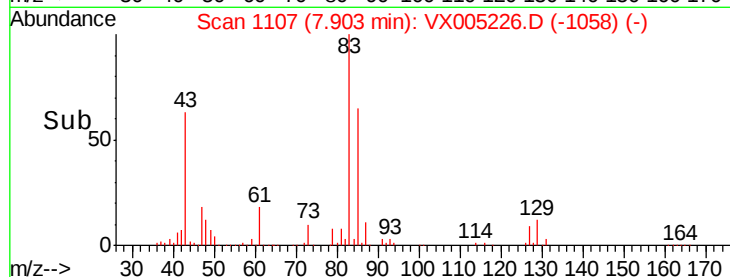
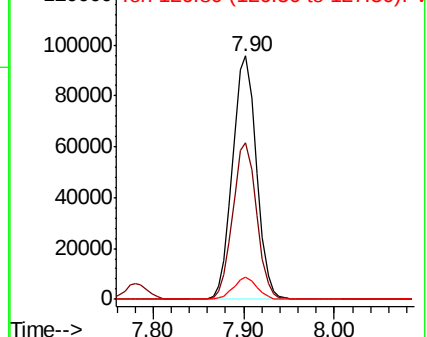
83 100

85 64.4 51.2 76.8

127 9.0 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: 55.672 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

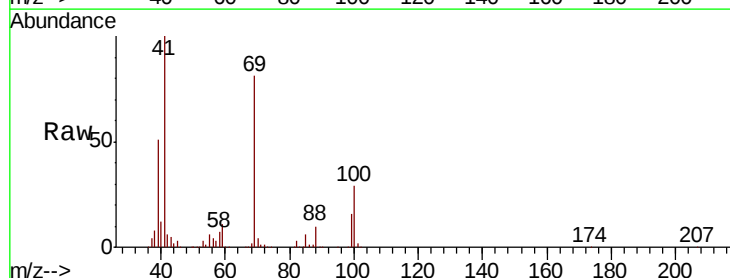
Tgt Ion: 41 Resp: 179363

Ion Ratio Lower Upper

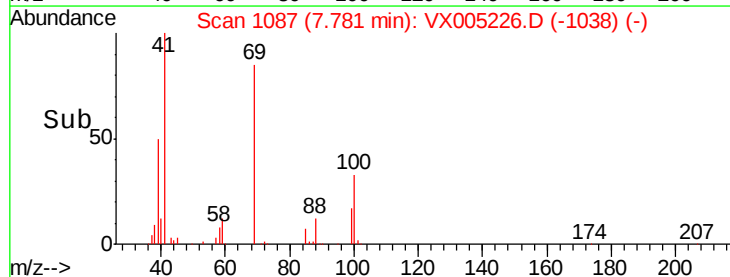
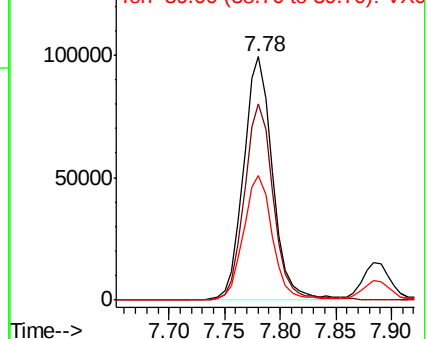
41 100

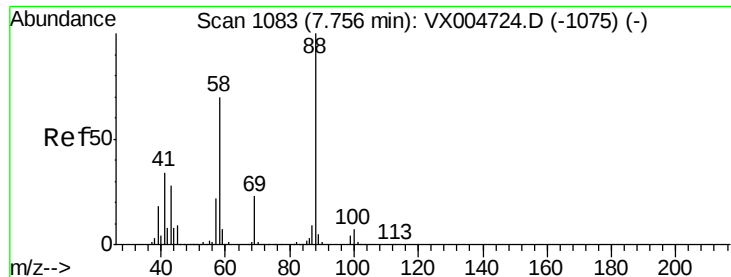
69 81.0 63.8 95.6

39 51.2 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: 1133.529 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

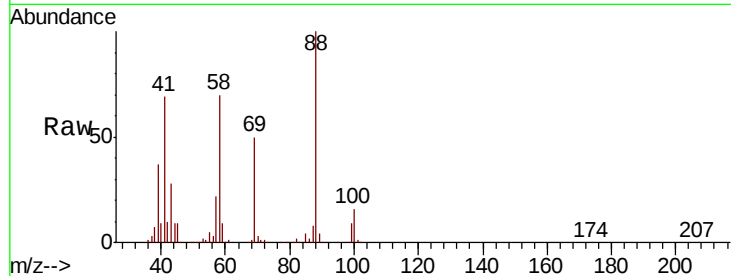
Tot Ion: 88 Resp: 90729

Ion Ratio Lower Upper

88 100

43 32.0 25.1 37.7

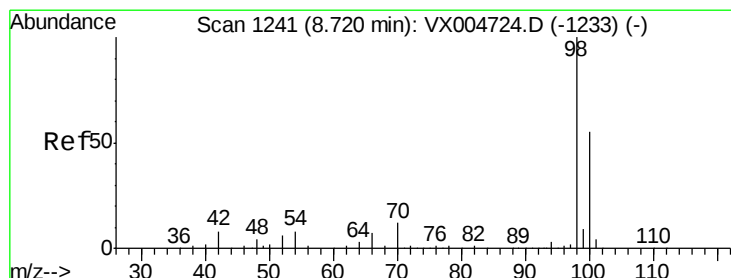
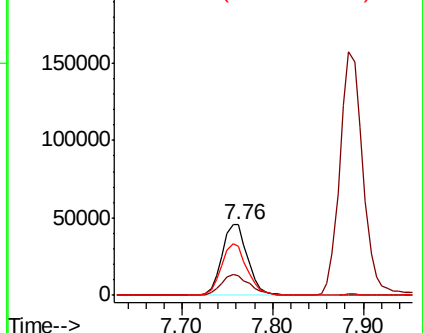
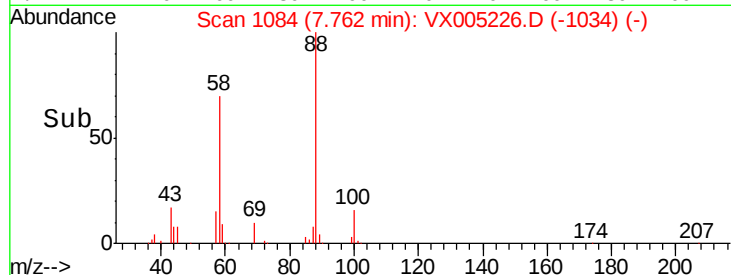
58 72.0 56.2 84.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 41.161 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005226.D

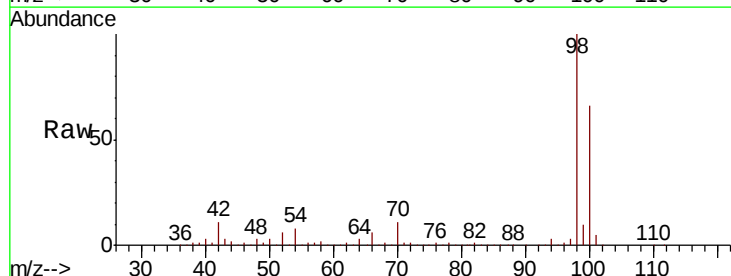
Acq: 11 Oct 2018 00:02

Tgt Ion: 98 Resp: 371579

Ion Ratio Lower Upper

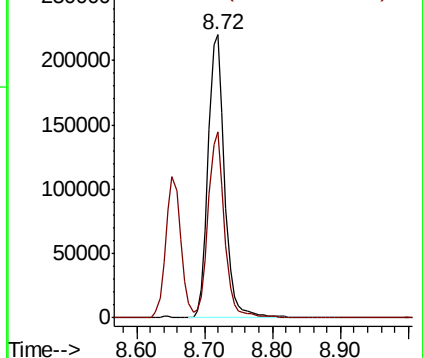
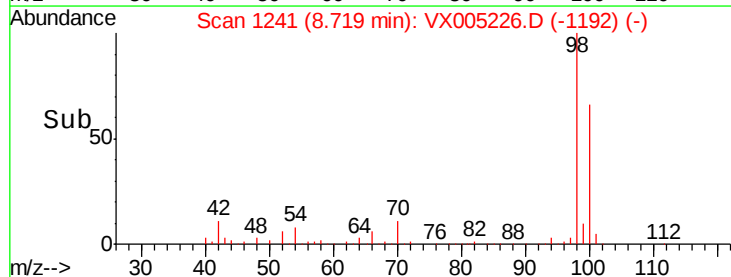
98 100

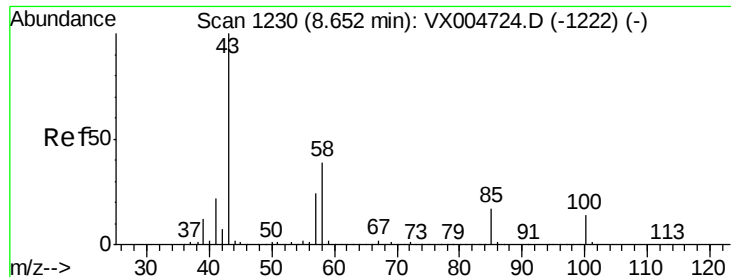
100 65.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

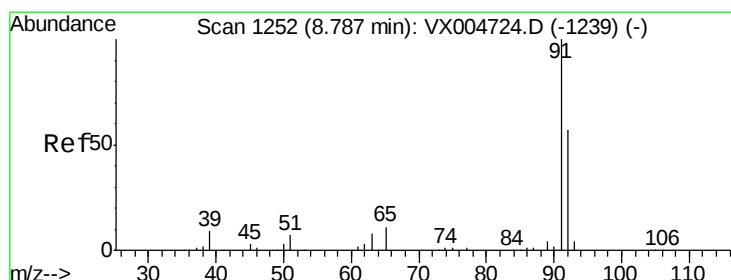
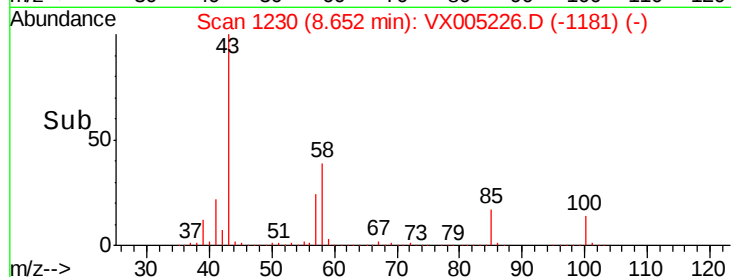
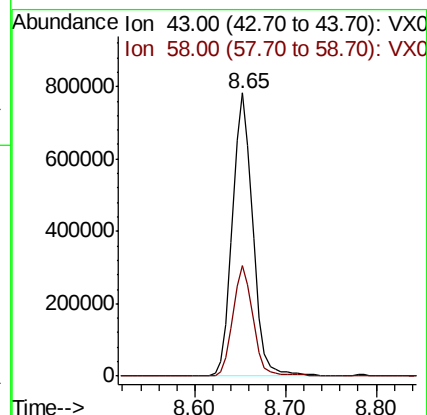
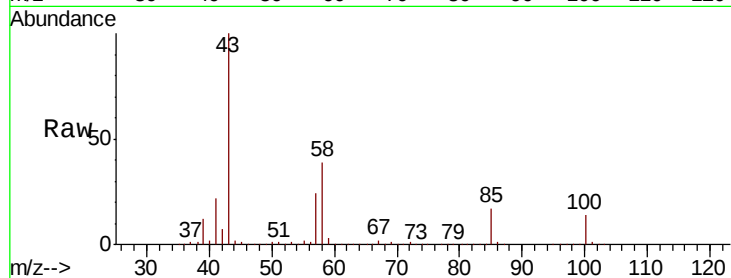




#51
4-Methyl-2-Pentanone
Concen: 273.254 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

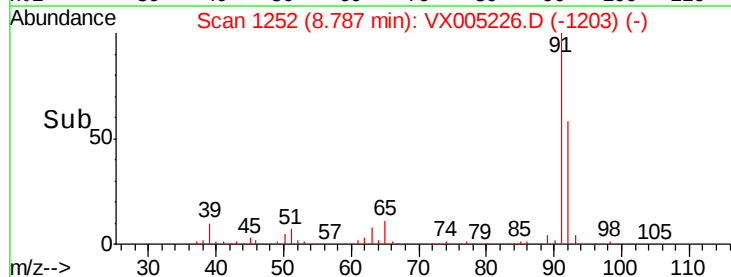
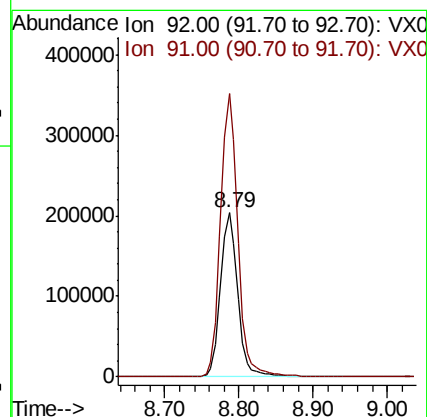
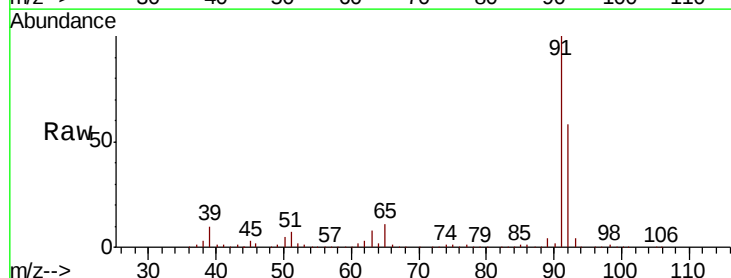
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MSD

Tot Ion: 43 Resp: 1221268
Ion Ratio Lower Upper
43 100
58 38.9 30.5 45.7



#52
Toluene
Concen: 51.143 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion: 92 Resp: 325952
Ion Ratio Lower Upper
92 100
91 174.0 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 49.387 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

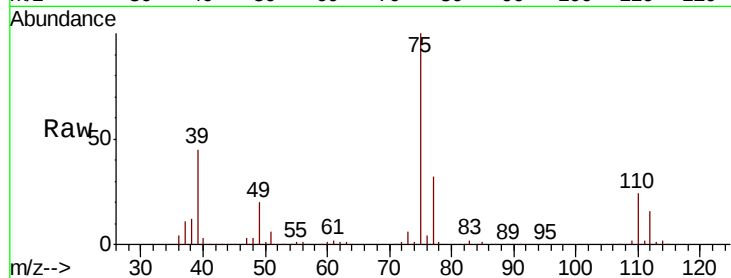
RE-109D2-20181005MSD

Tot Ion: 75 Resp: 186786

Ion Ratio Lower Upper

75 100

77 32.0 28.9 43.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

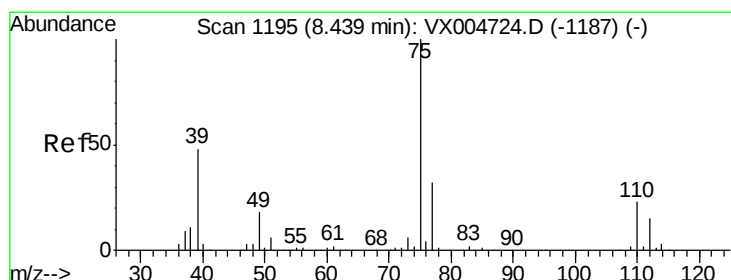
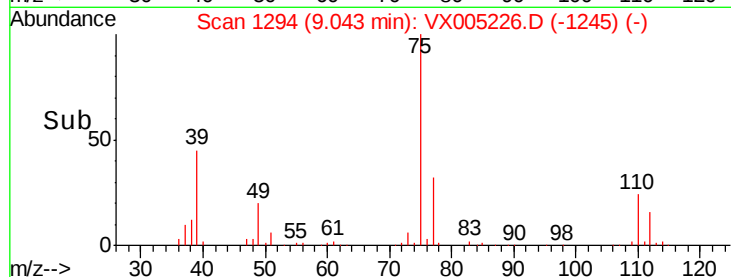
150000

100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 49.450 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

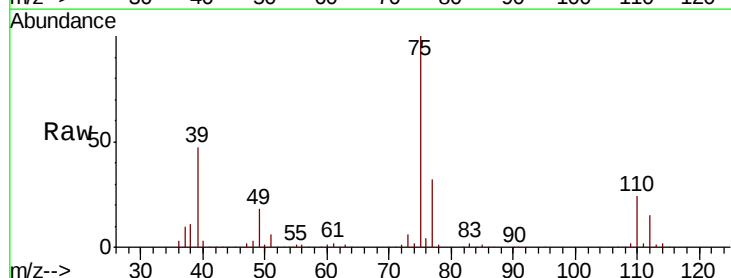
Tgt Ion: 75 Resp: 195891

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 47.1 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.44

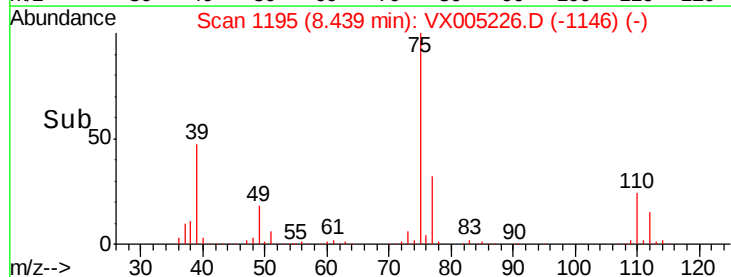
150000

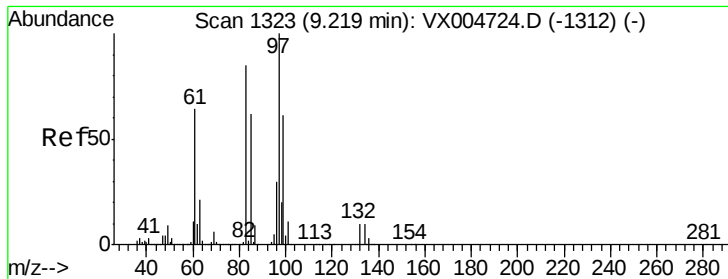
100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55





#55

1,1,2-Trichloroethane

Concen: 48.324 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

Tot Ion: 97 Resp: 134908

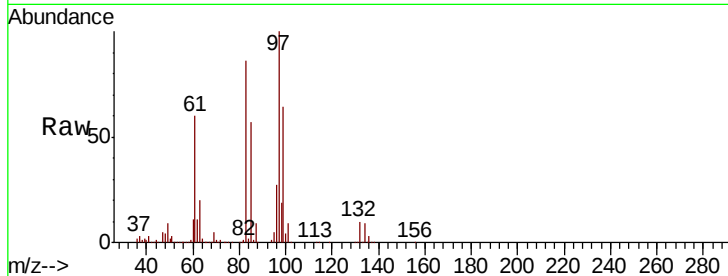
Ion Ratio Lower Upper

97 100

83 85.9 68.2 102.2

85 56.8 49.9 74.9

99 63.6 48.9 73.3

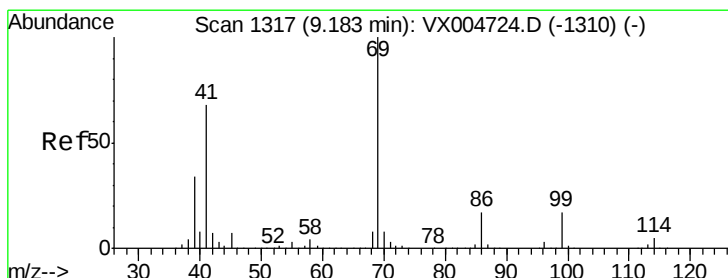
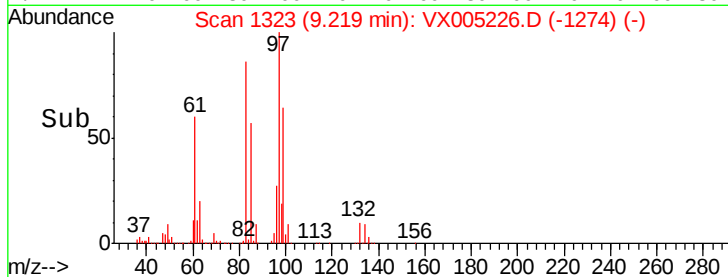
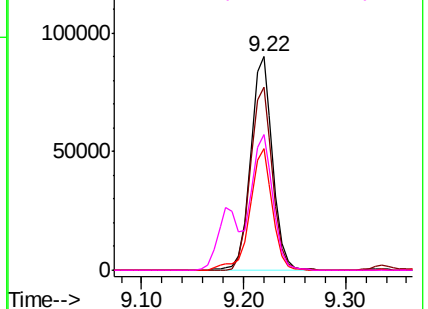


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 47.219 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

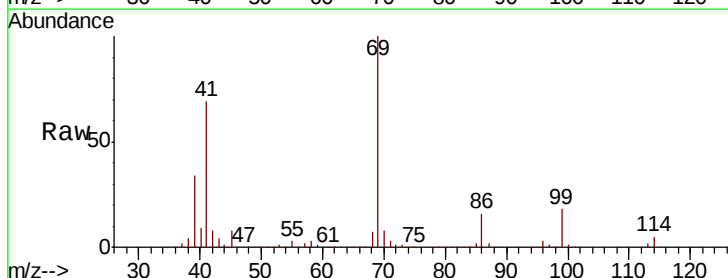
Tgt Ion: 69 Resp: 213147

Ion Ratio Lower Upper

69 100

41 68.2 56.9 85.3

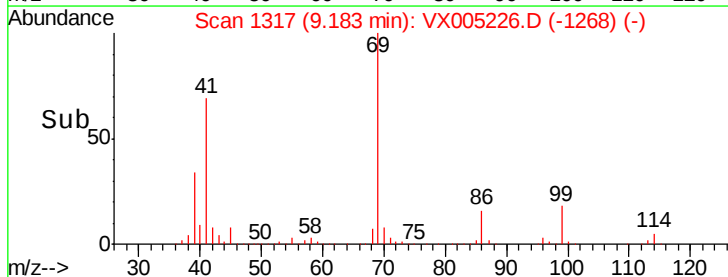
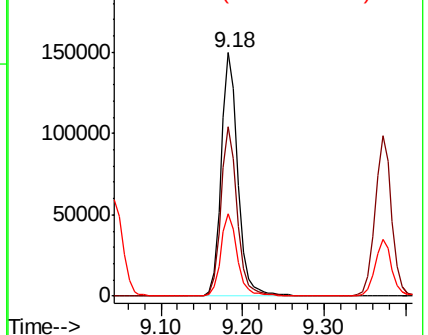
39 33.8 28.4 42.6

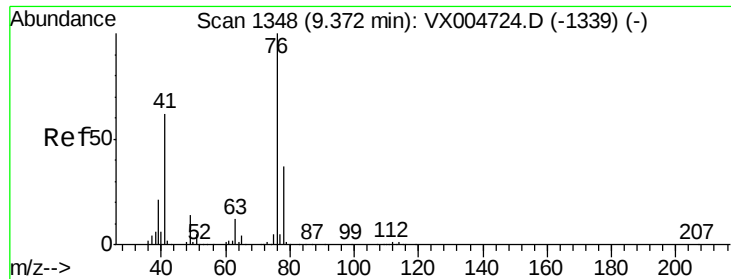


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.771 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

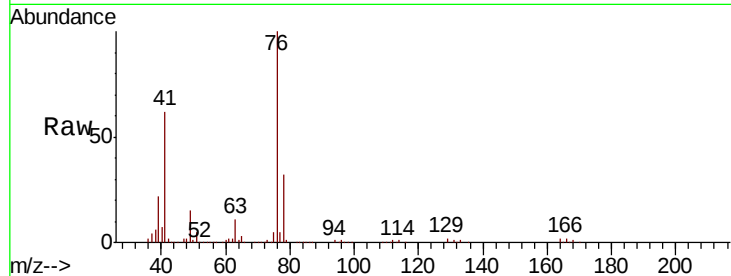
RE-109D2-20181005MSD

Tot Ion: 76 Resp: 226608

Ion Ratio Lower Upper

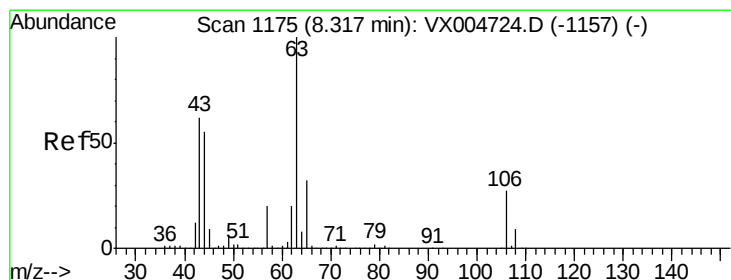
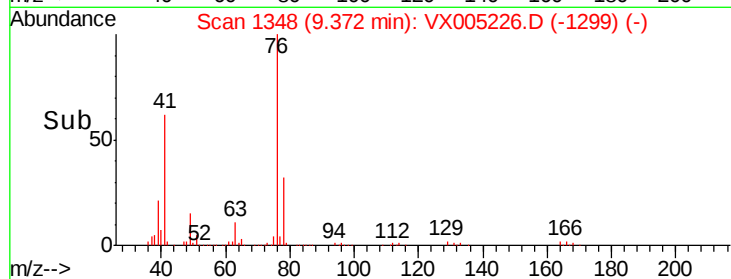
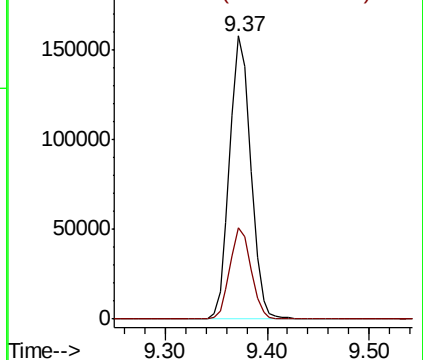
76 100

78 32.3 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: 15.005 ug/l

RT: 8.27 min Scan# 1167

Delta R.T. -0.05 min

Lab File: VX005226.D

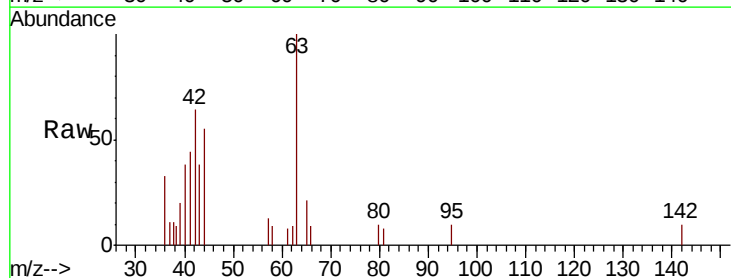
Acq: 11 Oct 2018 00:02

Tgt Ion: 63 Resp: 1946

Ion Ratio Lower Upper

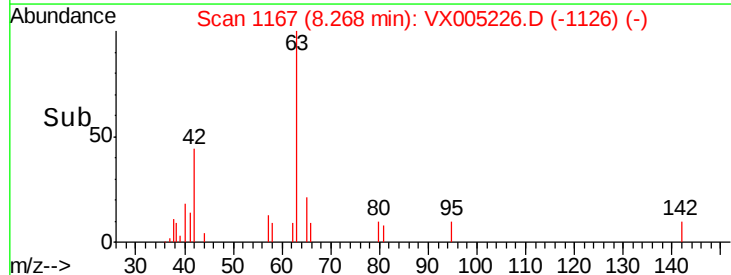
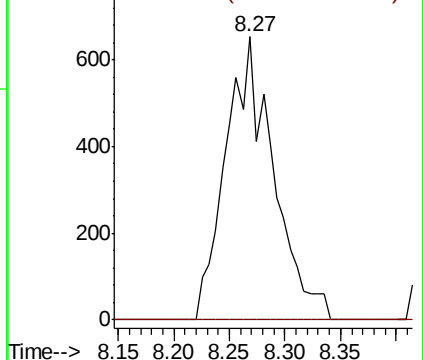
63 100

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

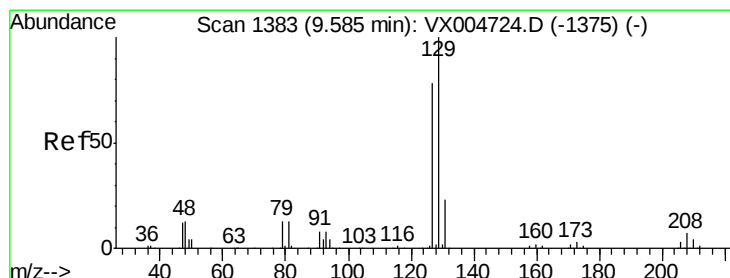
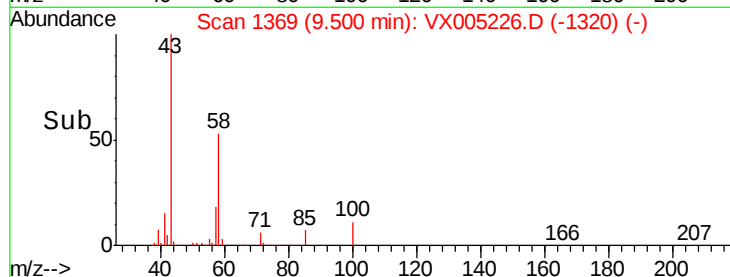
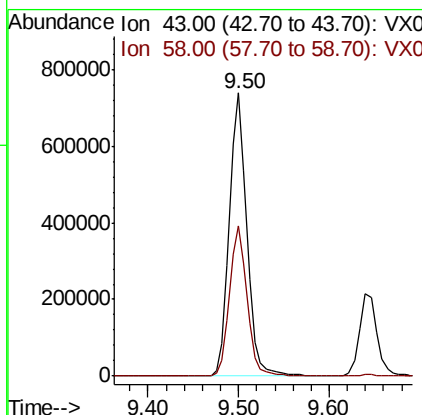
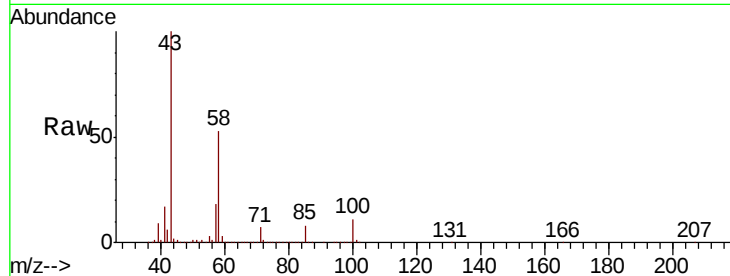




#59
2-Hexanone
Concen: 266.338 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

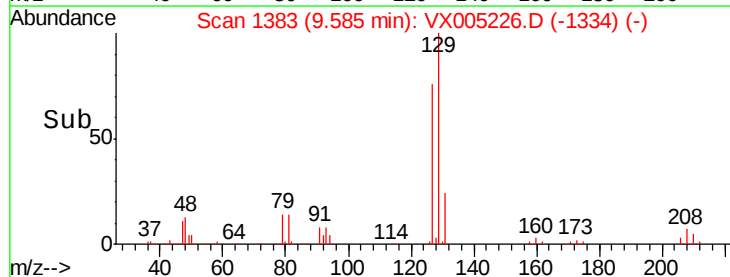
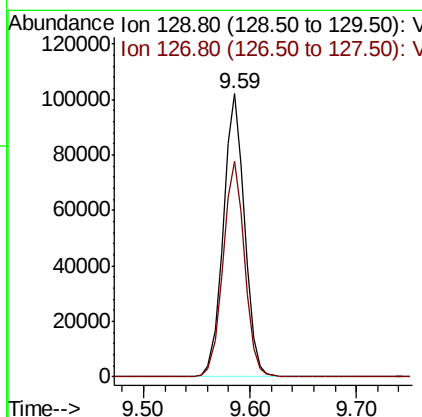
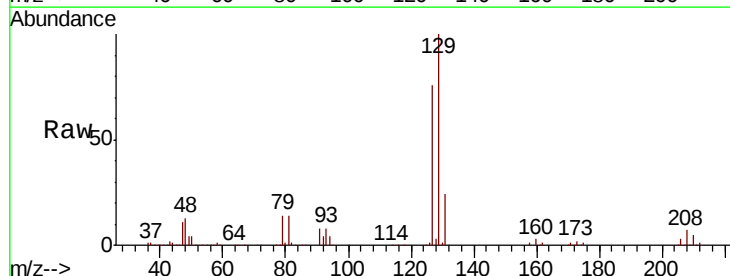
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MSD

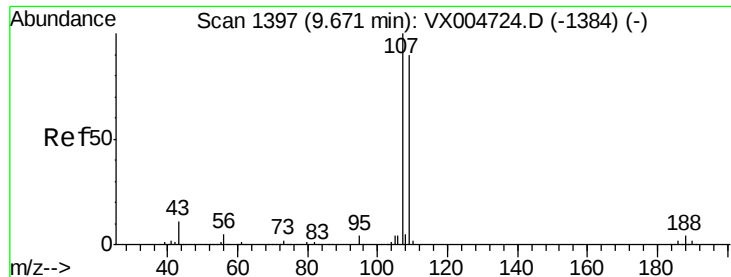
Tot Ion: 43 Resp: 991946
Ion Ratio Lower Upper
43 100
58 53.1 28.4 85.3



#60
Dibromochloromethane
Concen: 51.122 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion: 129 Resp: 142732
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 46.843 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

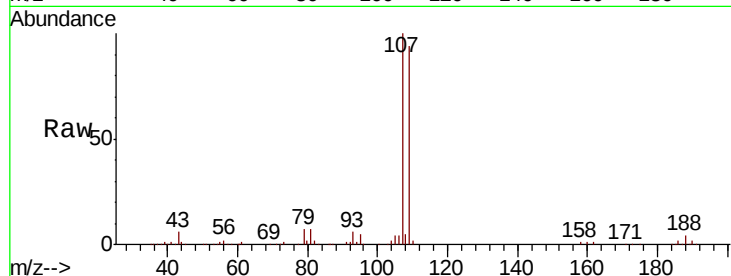
RE-109D2-20181005MSD

Tot Ion:107 Resp: 140052

Ion Ratio Lower Upper

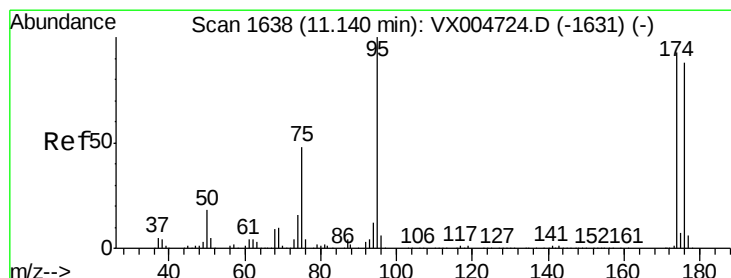
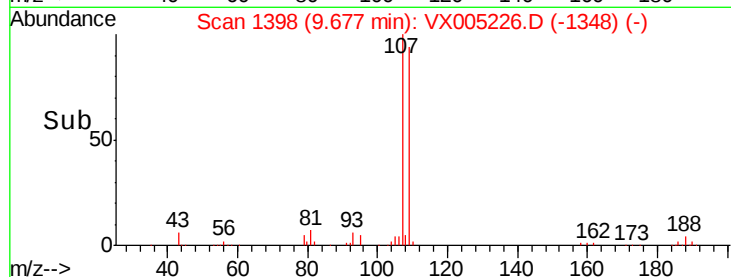
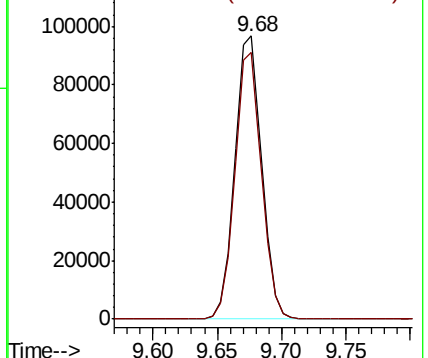
107 100

109 93.7 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: 44.049 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

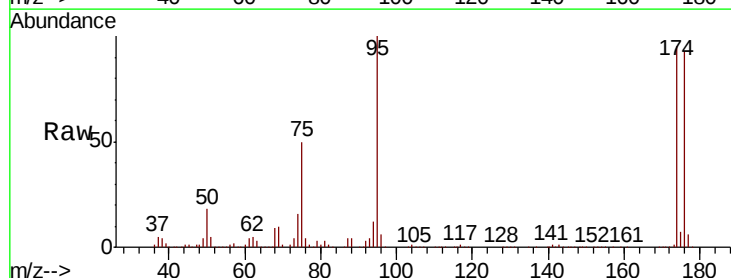
Tgt Ion: 95 Resp: 143256

Ion Ratio Lower Upper

95 100

174 93.2 0.0 185.0

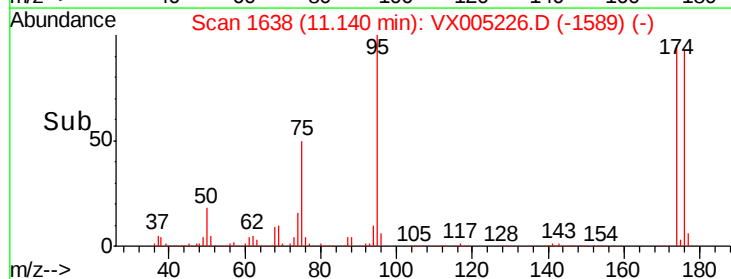
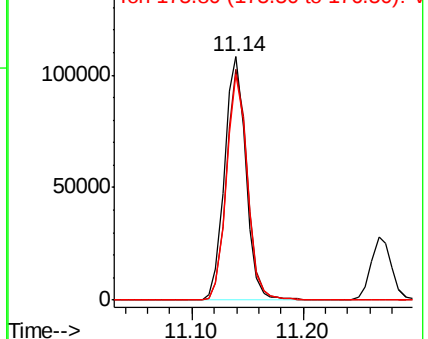
176 90.7 0.0 180.2



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

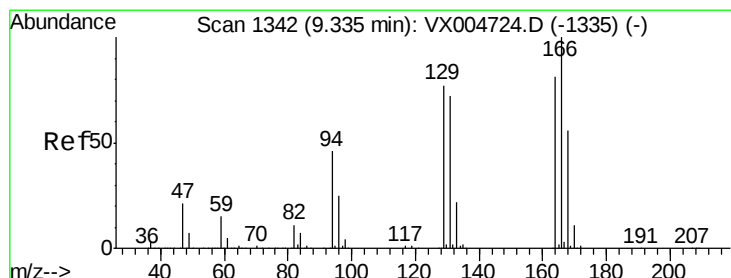
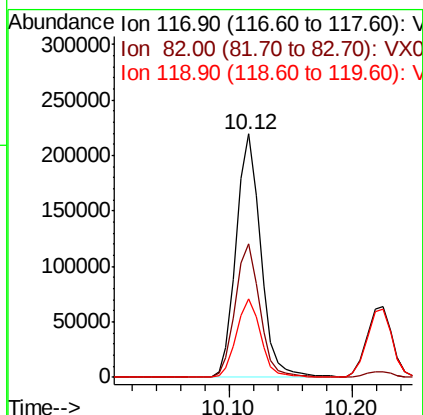
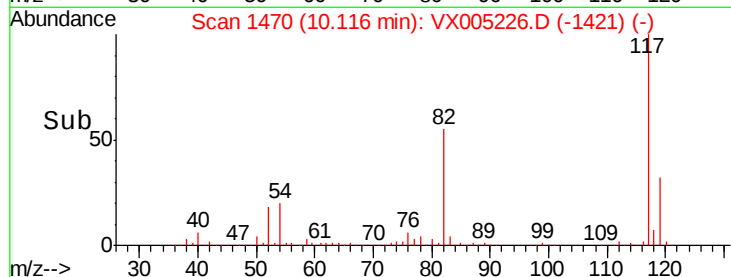
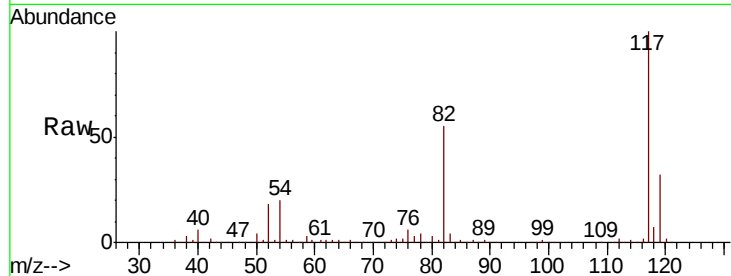




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

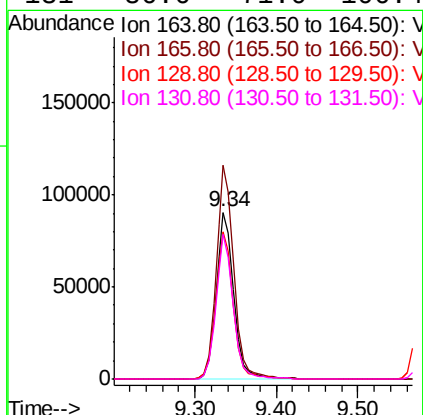
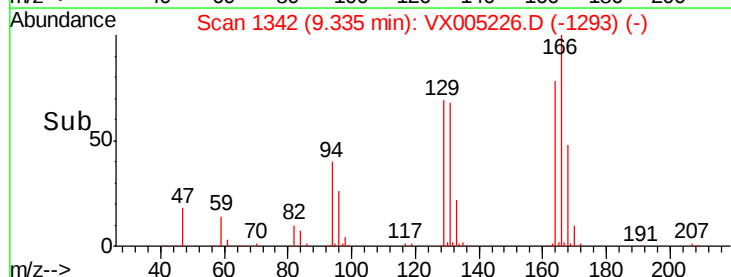
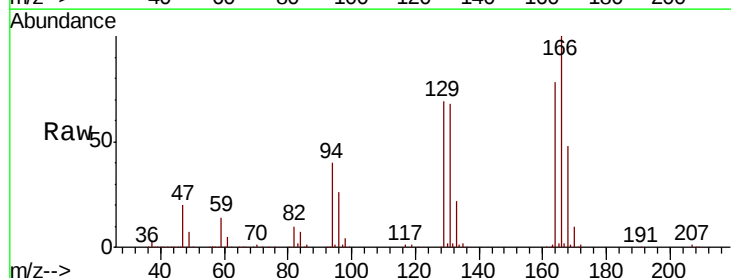
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MSD

Tot Ion:117 Resp: 304600
Ion Ratio Lower Upper
117 100
82 54.6 42.2 63.4
119 32.2 27.4 41.0



#64
Tetrachloroethene
Concen: 45.685 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion:164 Resp: 136961
Ion Ratio Lower Upper
164 100
166 128.3 98.4 147.6
129 88.1 76.1 114.1
131 86.6 71.0 106.4





#65

Chlorobenzene

Concen: 47.093 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

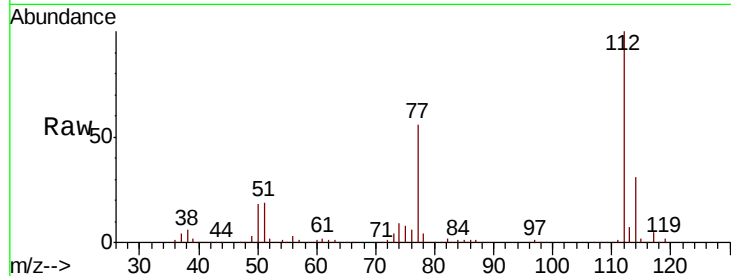
RE-109D2-20181005MSD

Tot Ion:112 Resp: 367838

Ion Ratio Lower Upper

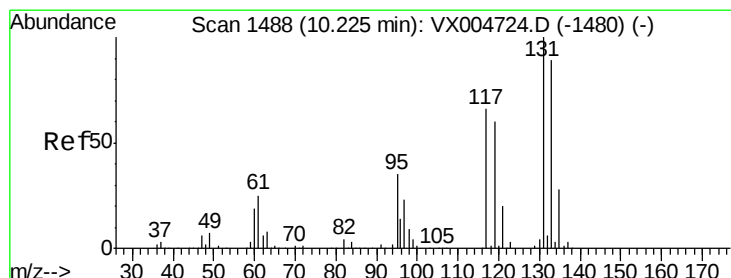
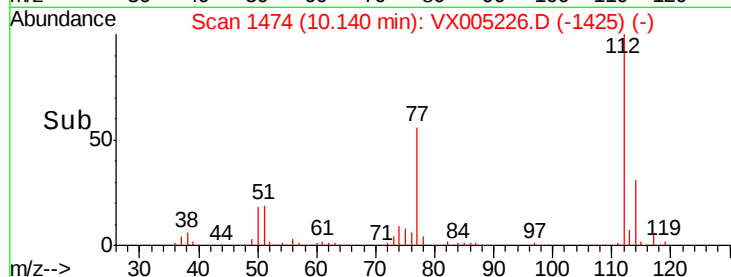
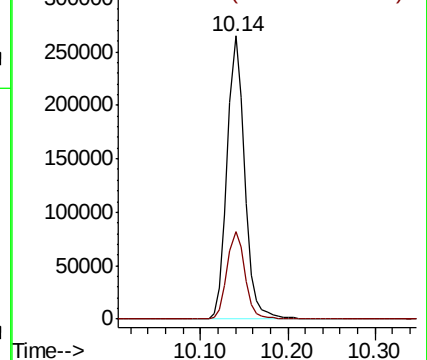
112 100

114 31.2 26.7 40.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.509 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

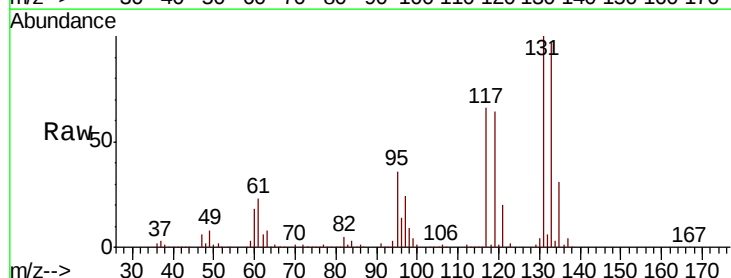
Tgt Ion:131 Resp: 135950

Ion Ratio Lower Upper

131 100

133 95.5 48.4 145.0

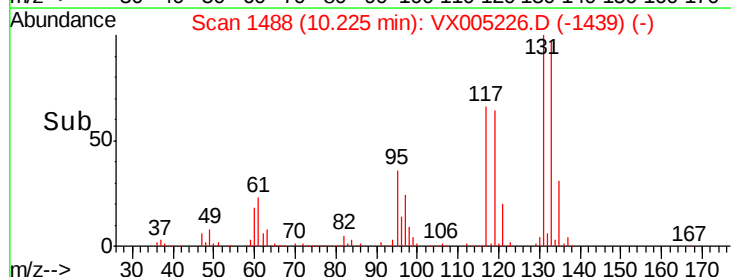
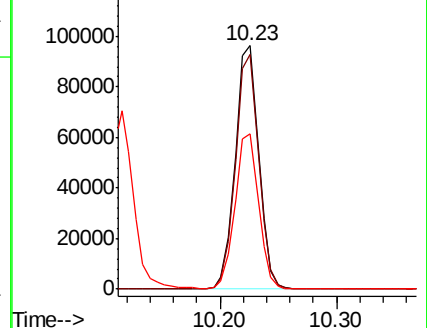
119 64.3 32.3 96.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.518 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

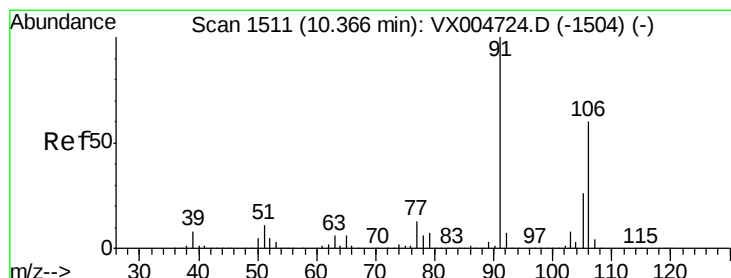
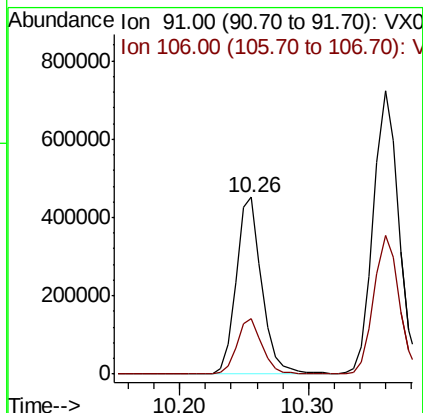
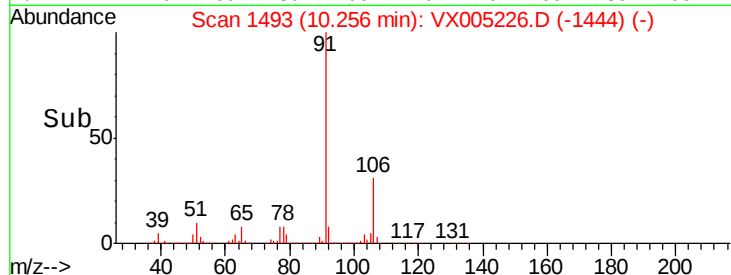
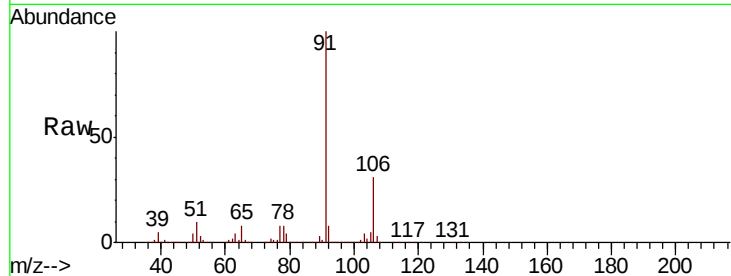
RE-109D2-20181005MSD

Tot Ion: 91 Resp: 626457

Ion Ratio Lower Upper

91 100

106 31.4 26.9 40.3



#68

m/p-Xylenes

Concen: 100.635 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005226.D

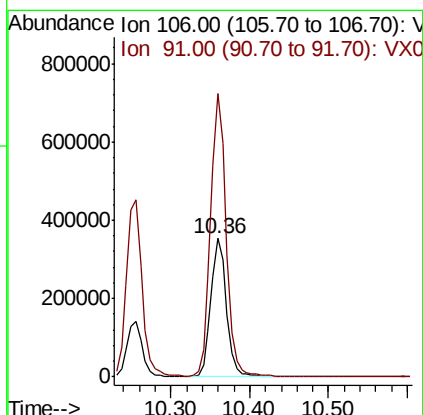
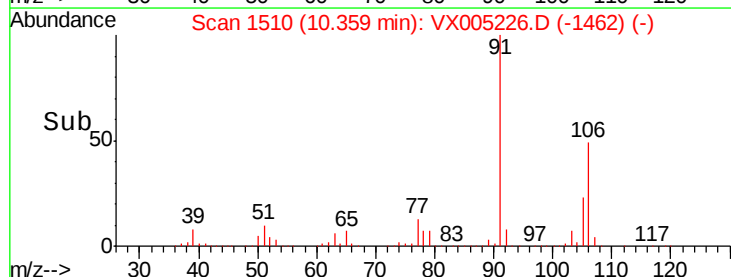
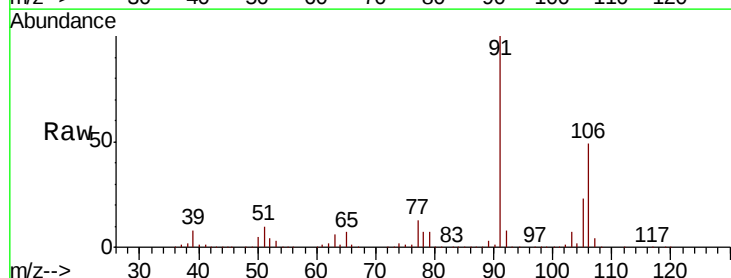
Acq: 11 Oct 2018 00:02

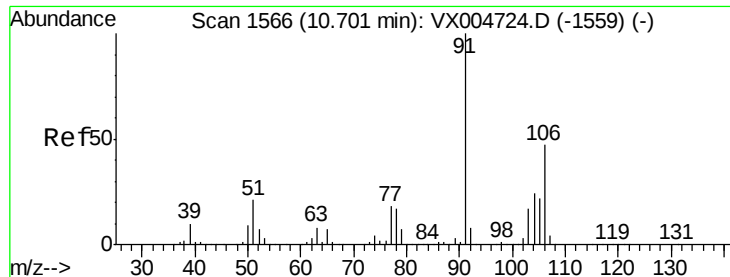
Tgt Ion: 106 Resp: 487658

Ion Ratio Lower Upper

106 100

91 204.5 157.5 236.3

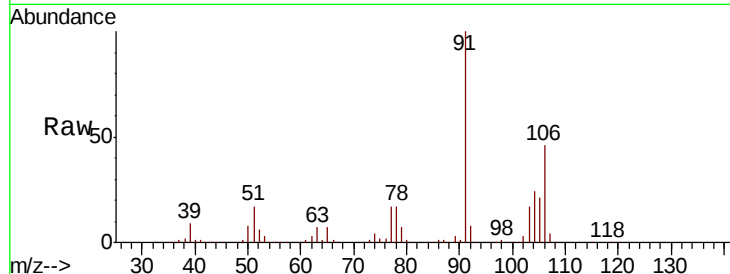




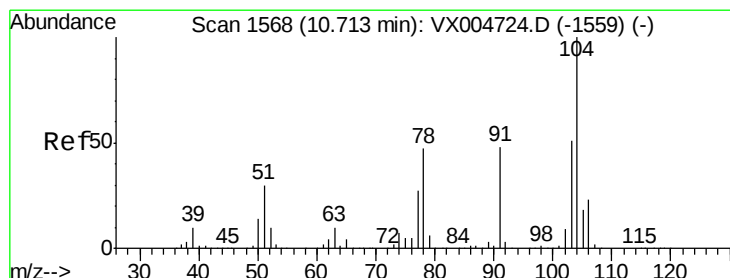
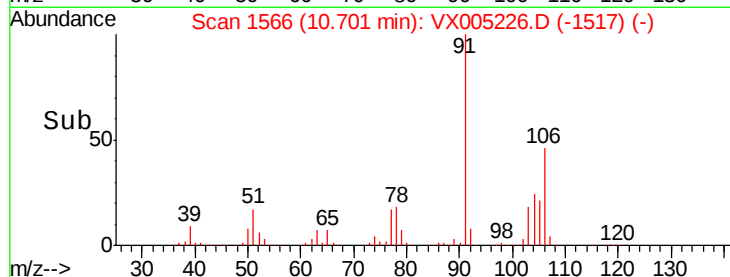
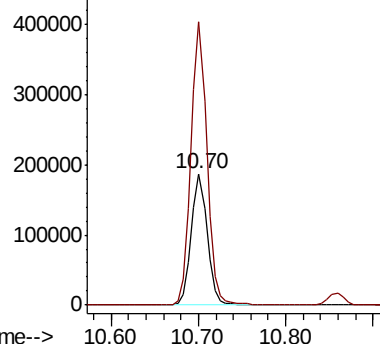
#69
o-Xylene
Concen: 53.101 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

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

Tot Ion:106 Resp: 236343
Ion Ratio Lower Upper
106 100
91 214.5 108.3 324.8

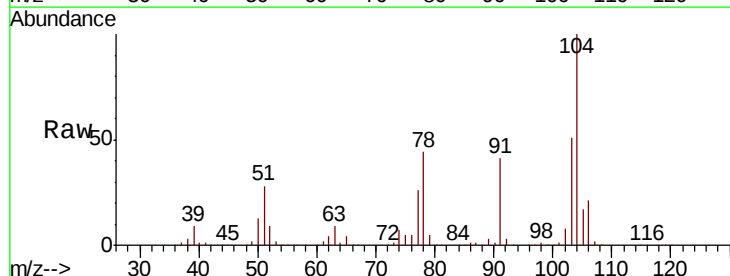


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

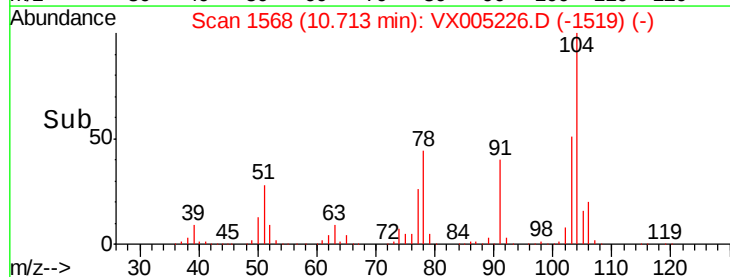
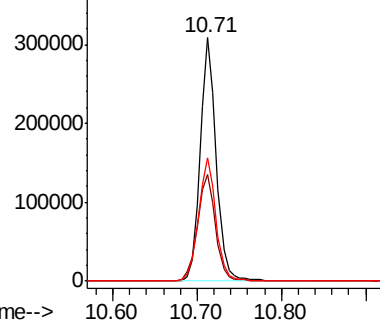


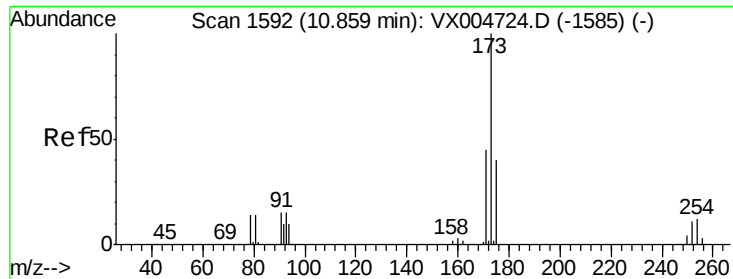
#70
Styrene
Concen: 48.058 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion:104 Resp: 399335
Ion Ratio Lower Upper
104 100
78 49.8 40.0 60.0
103 55.6 44.3 66.5



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





#71

Bromoform

Concen: 51.074 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

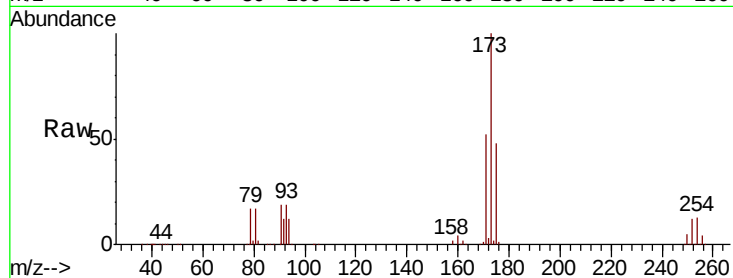
Tot Ion:173 Resp: 120069

Ion Ratio Lower Upper

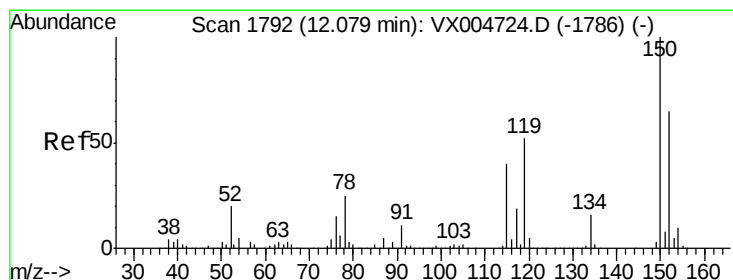
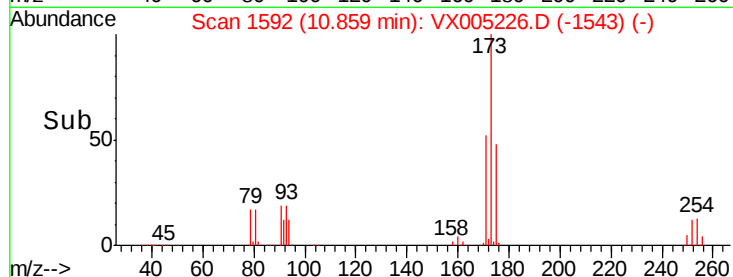
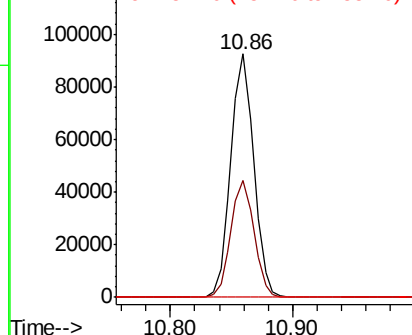
173 100

175 48.4 23.3 69.8

254 0.2 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: VX005226.D

Acq: 11 Oct 2018 00:02

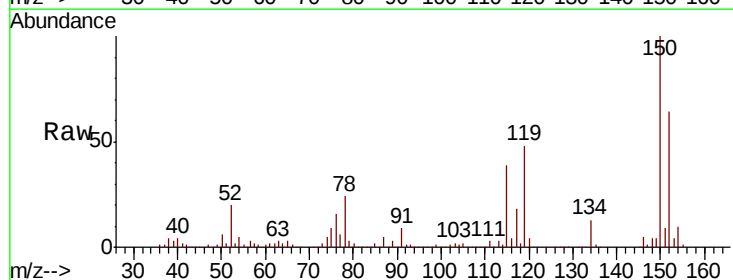
Tgt Ion:152 Resp: 173773

Ion Ratio Lower Upper

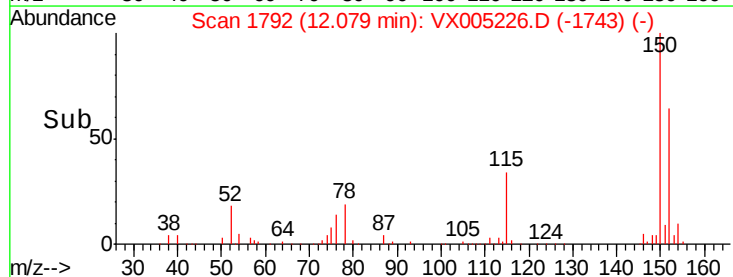
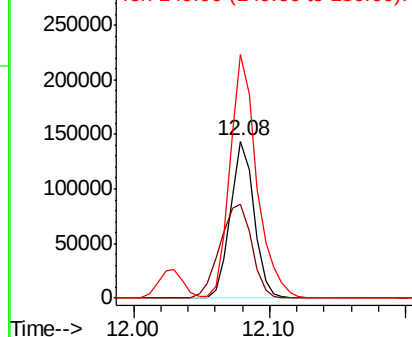
152 100

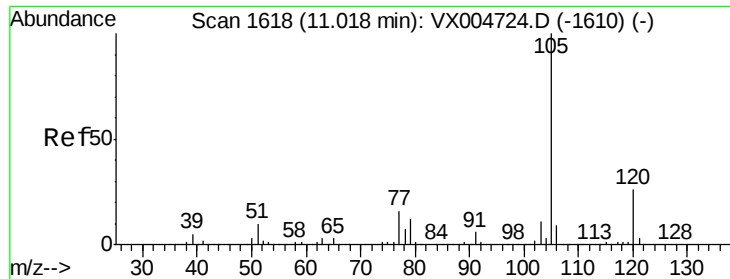
115 80.8 40.2 120.6

150 175.4 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: 58.054 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

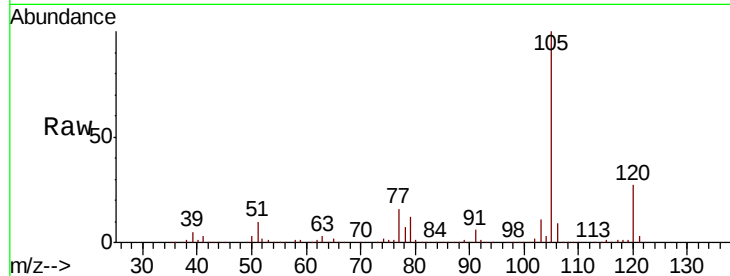
RE-109D2-20181005MSD

Tot Ion: 105 Resp: 635879

Ion Ratio Lower Upper

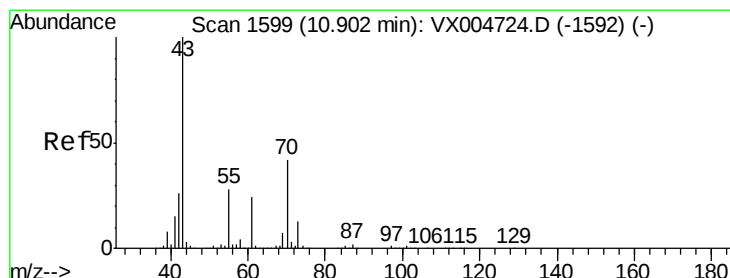
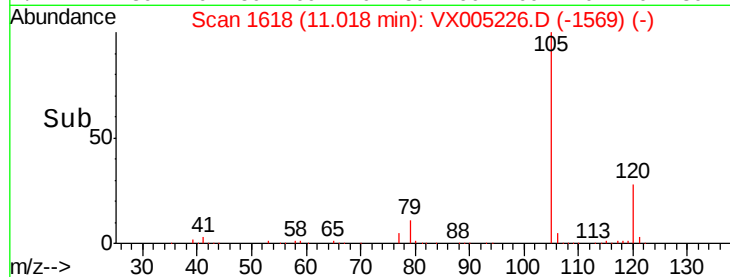
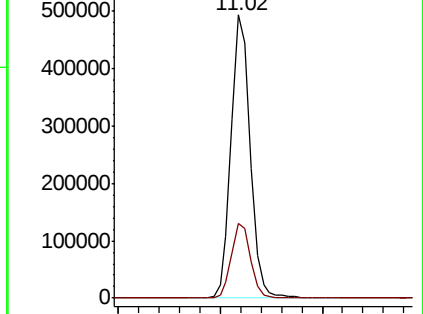
105 100

120 26.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.296 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Tgt Ion: 43 Resp: 284149

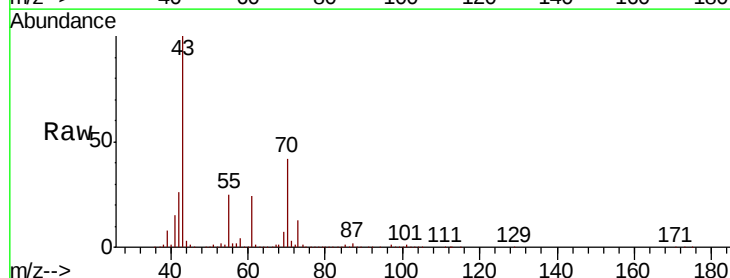
Ion Ratio Lower Upper

43 100

70 40.9 32.6 48.8

55 25.4 21.6 32.4

61 23.7 19.1 28.7

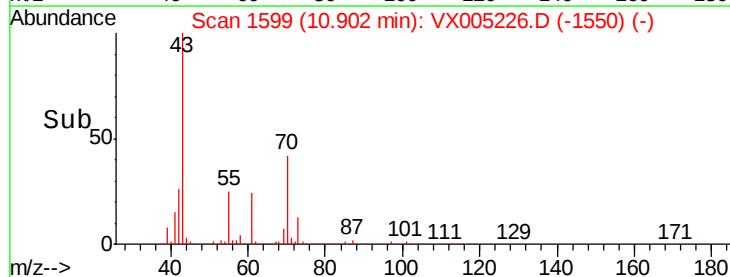
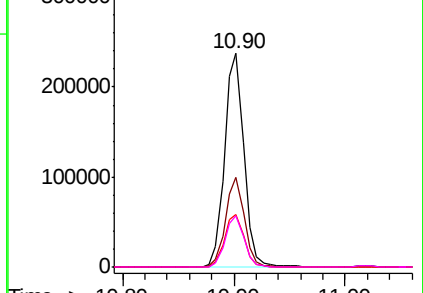


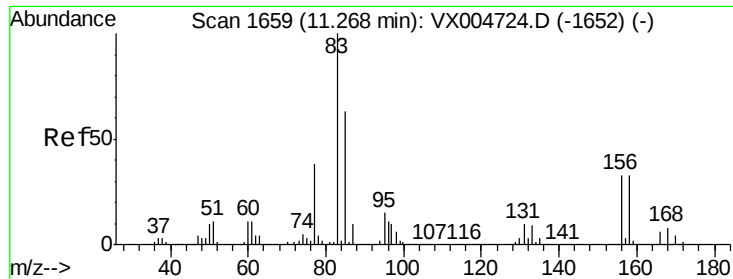
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.704 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

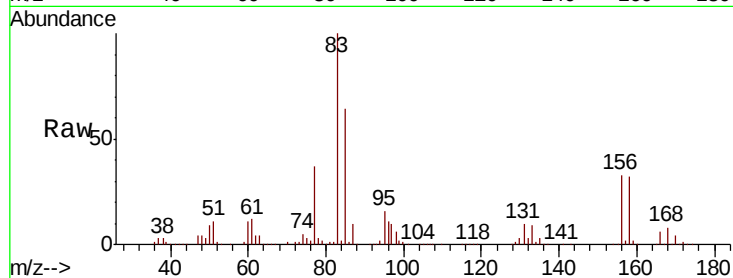
Tot Ion: 83 Resp: 230530

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

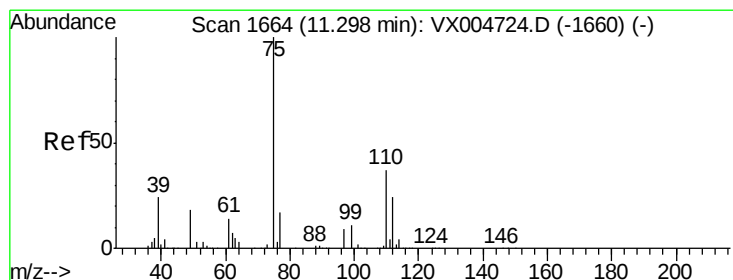
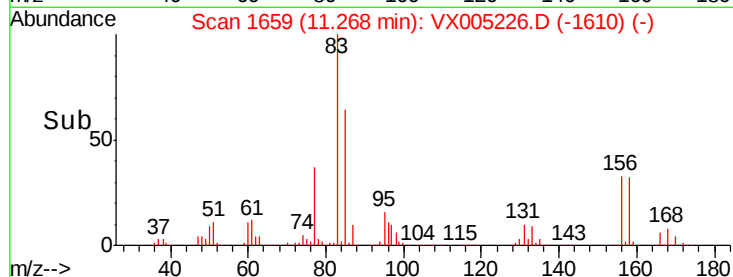
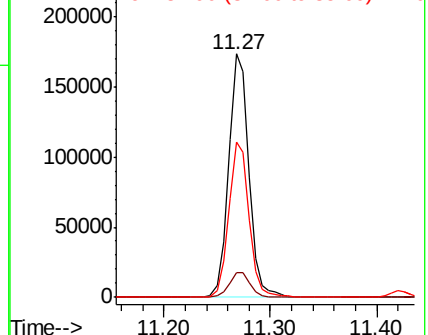
85 64.1 31.9 95.9



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: 65.649 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005226.D

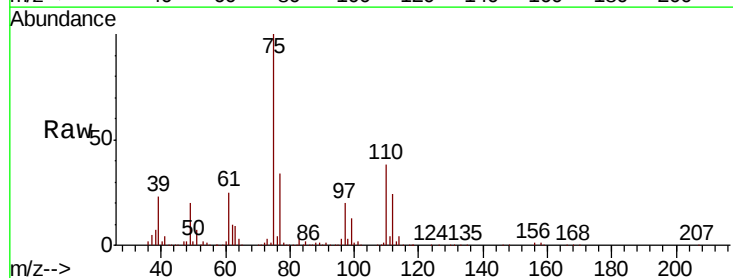
Acq: 11 Oct 2018 00:02

Tgt Ion: 75 Resp: 255695

Ion Ratio Lower Upper

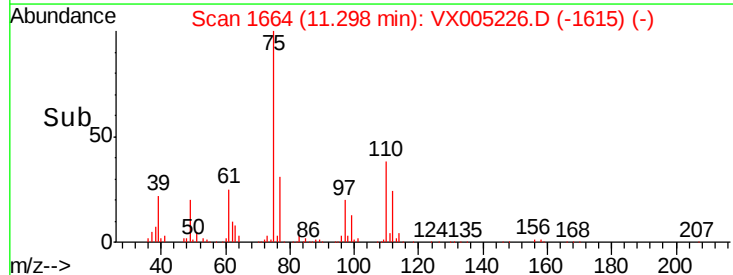
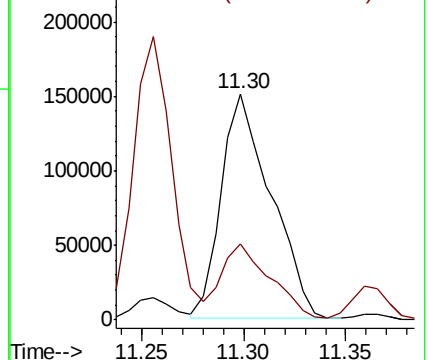
75 100

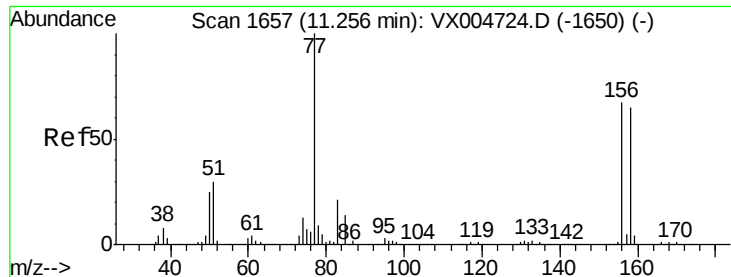
77 33.4 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.141 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

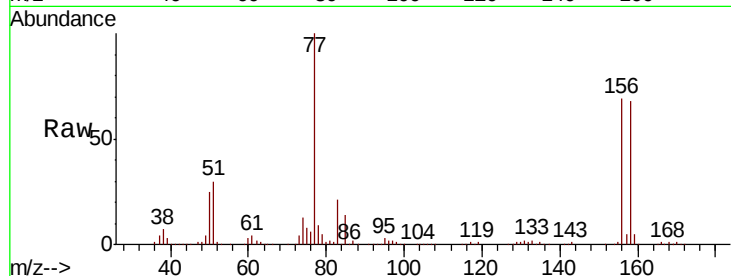
Tot Ion:156 Resp: 172244

Ion Ratio Lower Upper

156 100

77 145.7 73.4 220.2

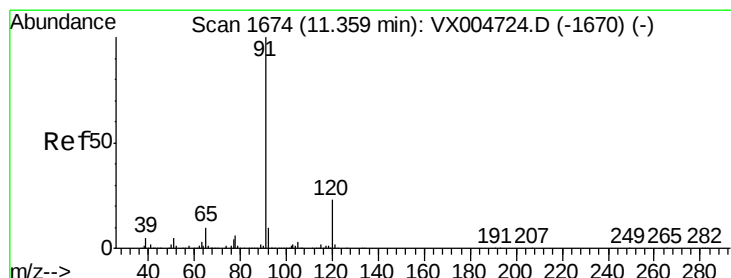
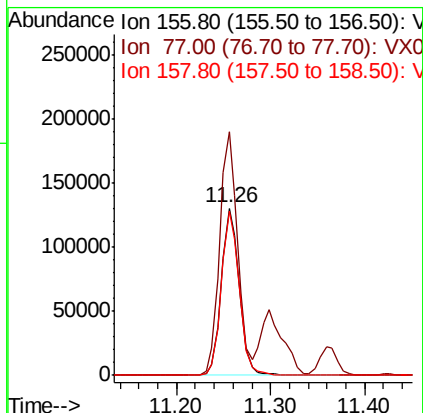
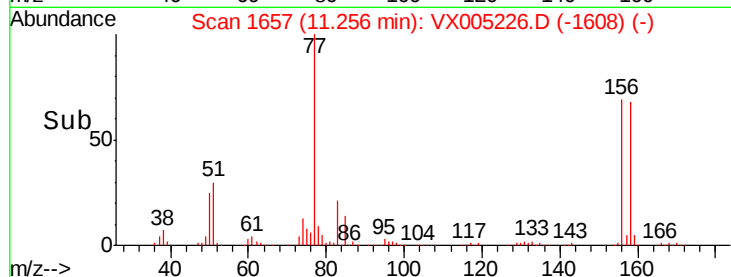
158 98.1 49.1 147.4



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: 58.230 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005226.D

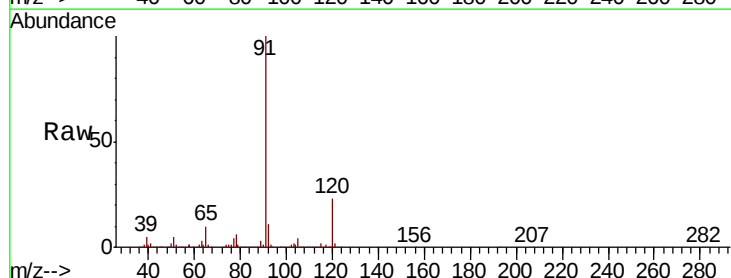
Acq: 11 Oct 2018 00:02

Tgt Ion: 91 Resp: 731803

Ion Ratio Lower Upper

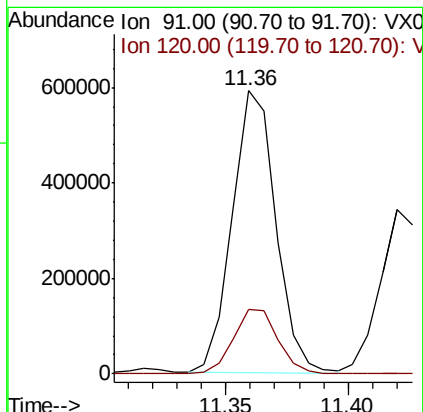
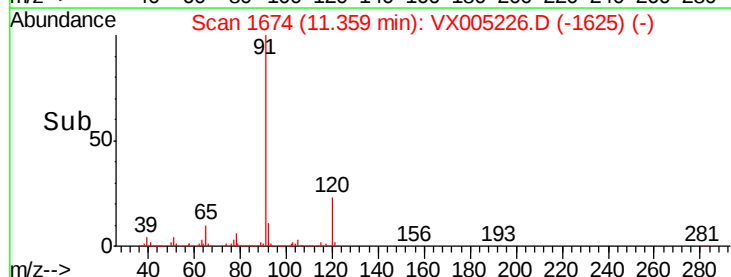
91 100

120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

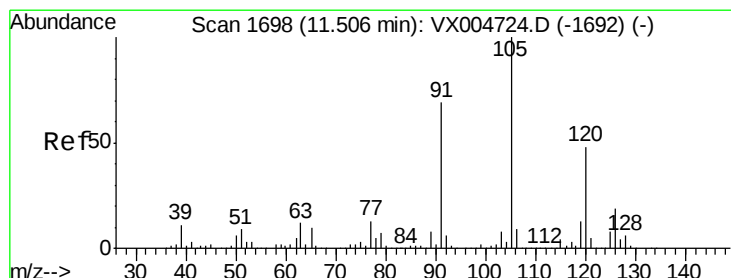
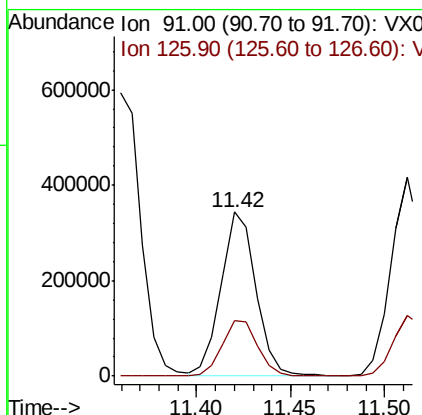
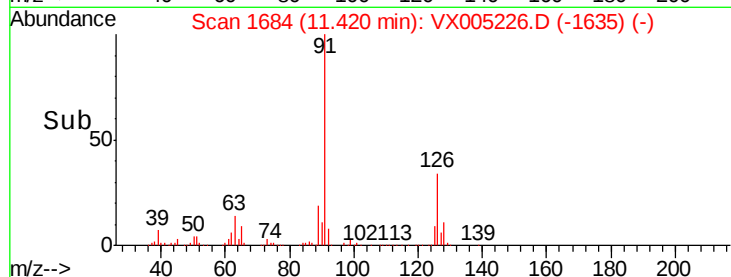
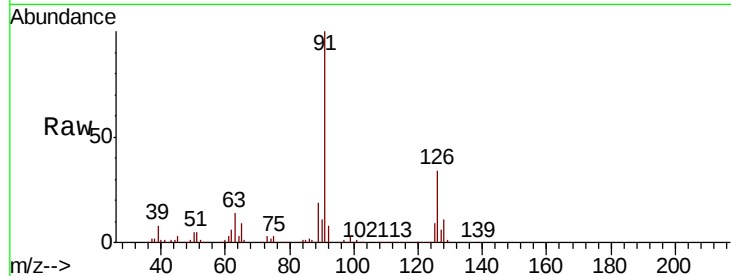




#79
 2-Chlorotoluene
 Concen: 55.628 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

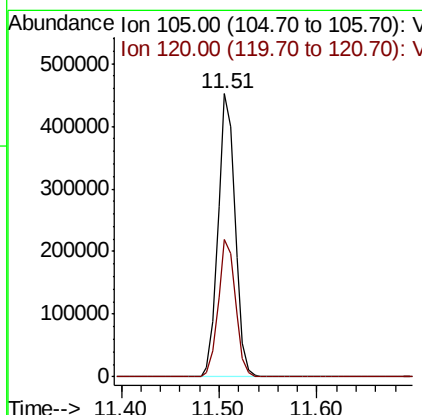
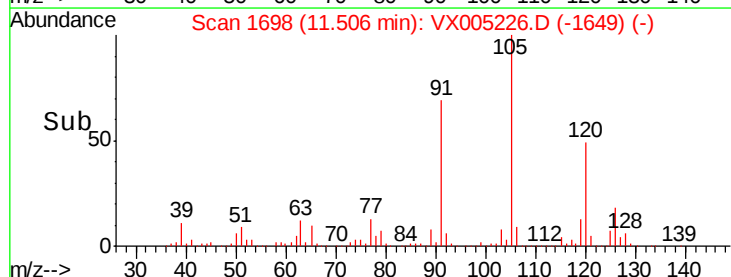
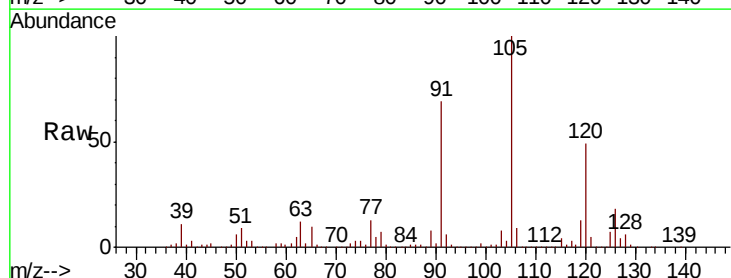
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MSD

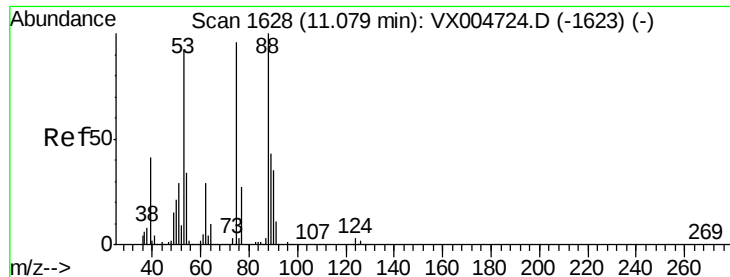
Tot Ion: 91 Resp: 435760
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 54.430 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion: 105 Resp: 546249
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8

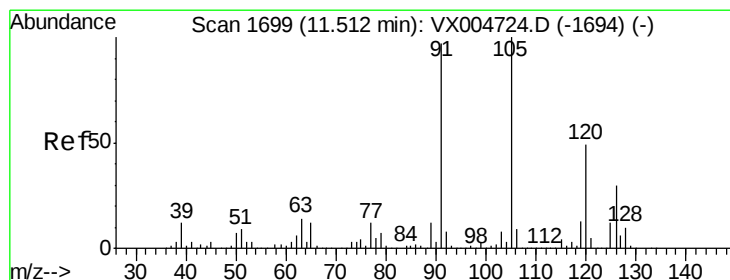
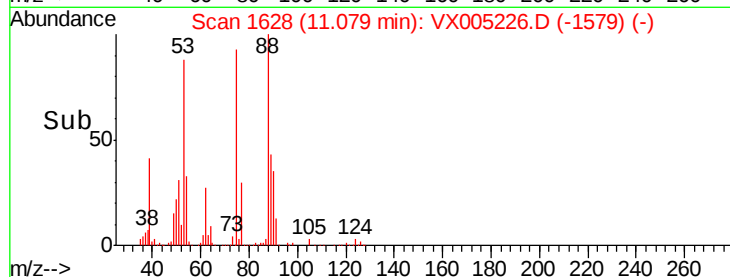
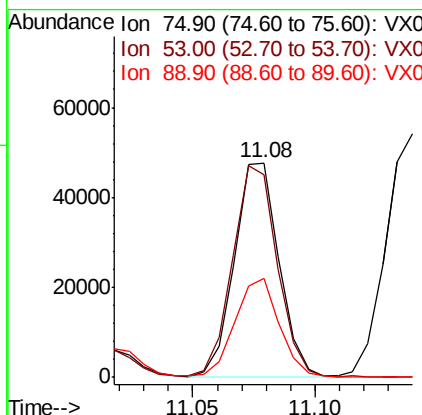
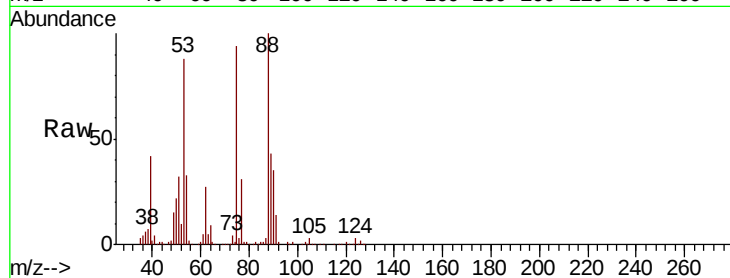




#81
trans-1,4-Dichloro-2-butene
Concen: 42.266 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

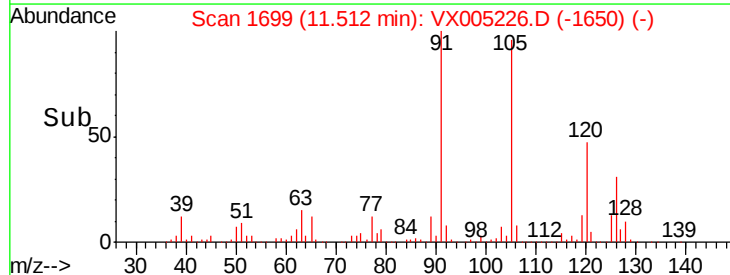
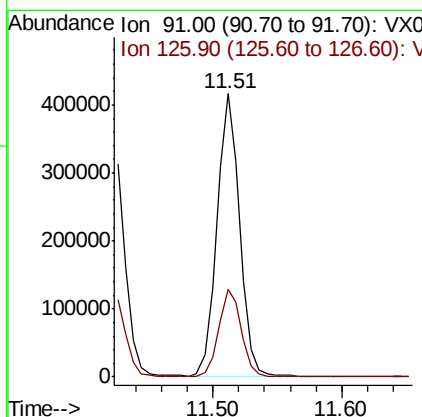
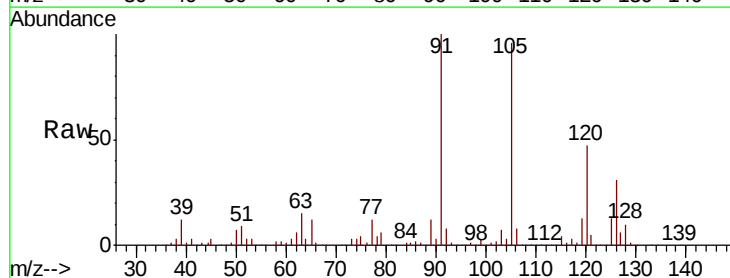
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MSD

Tot Ion: 75 Resp: 59902
Ion Ratio Lower Upper
75 100
53 100.4 80.2 120.4
89 46.4 37.1 55.7



#82
4-Chlorotoluene
Concen: 56.082 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion: 91 Resp: 517097
Ion Ratio Lower Upper
91 100
126 30.8 15.5 46.5

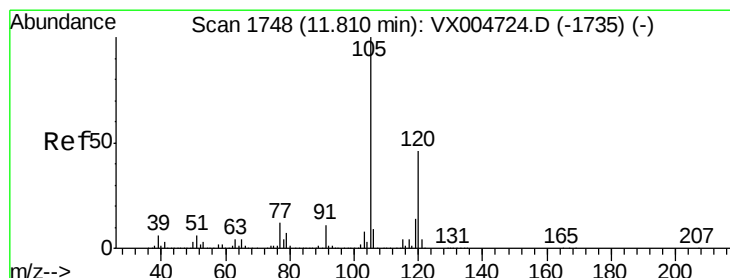
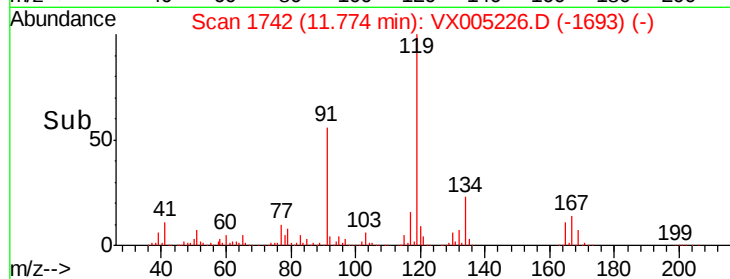
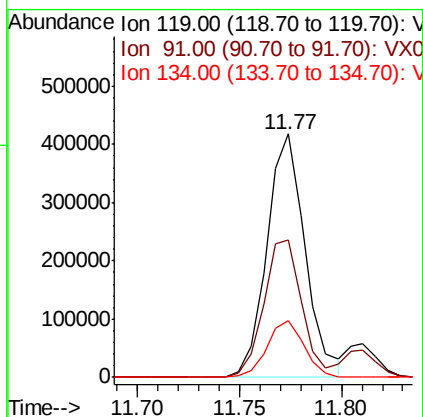
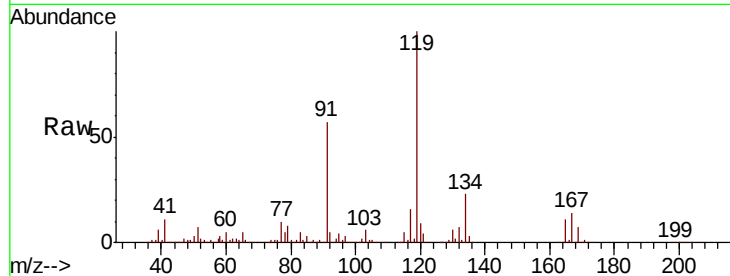




#83
 tert-Butylbenzene
 Concen: 60.519 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

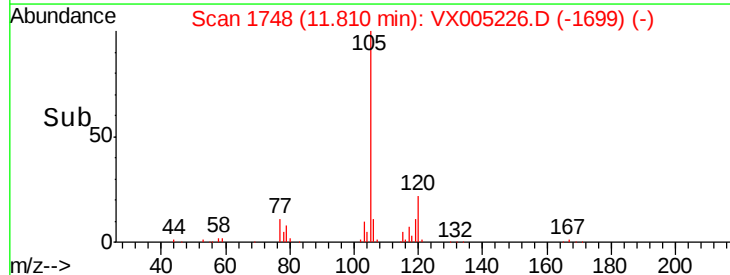
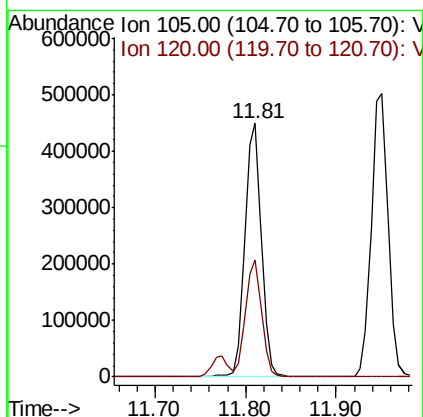
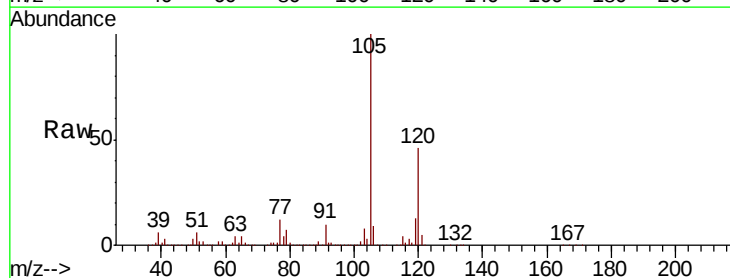
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MSD

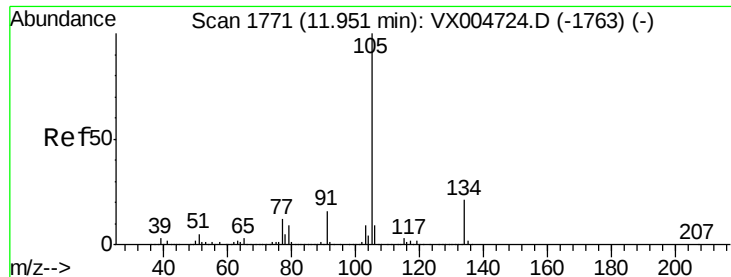
Tot Ion:119 Resp: 545760
 Ion Ratio Lower Upper
 119 100
 91 55.8 27.5 82.5
 134 22.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.608 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion:105 Resp: 565160
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.3





#85

sec-Butylbenzene

Concen: 58.606 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

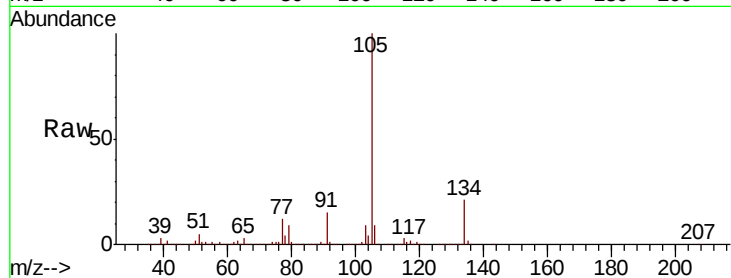
RE-109D2-20181005MSD

Tot Ion:105 Resp: 643744

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

500000

400000

300000

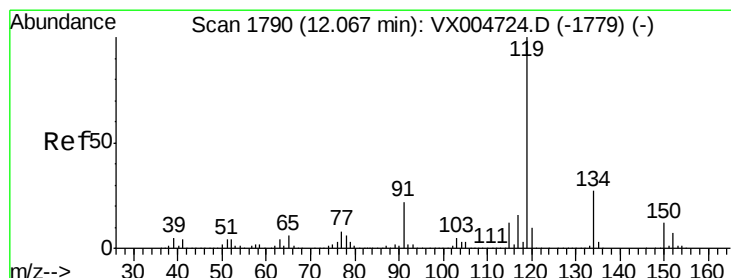
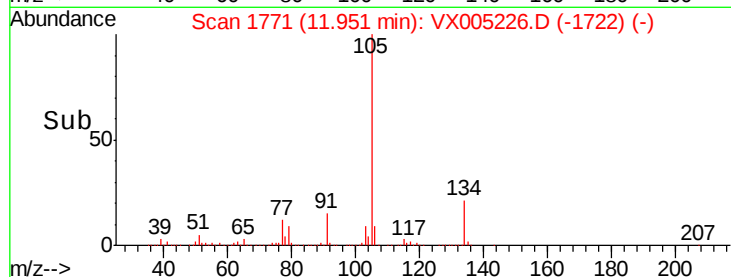
200000

100000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 58.562 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

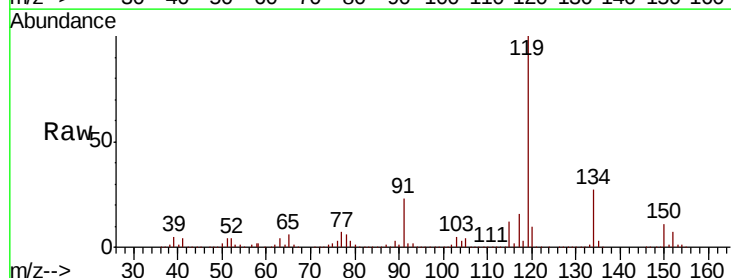
Tgt Ion:119 Resp: 582804

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.9 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

12.07

600000

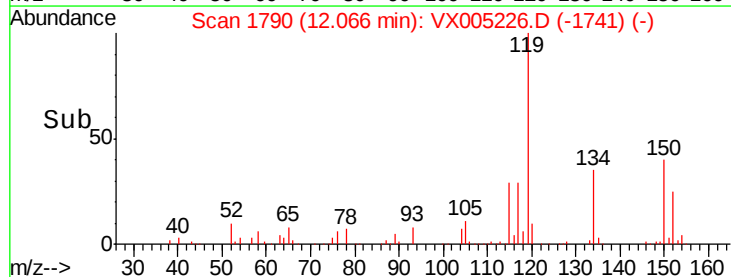
400000

200000

0

Time-->

12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 53.770 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

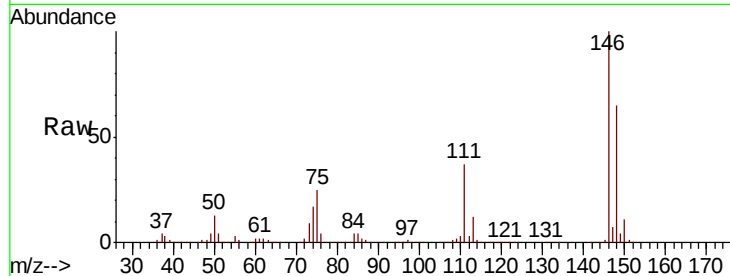
Tot Ion:146 Resp: 319427

Ion Ratio Lower Upper

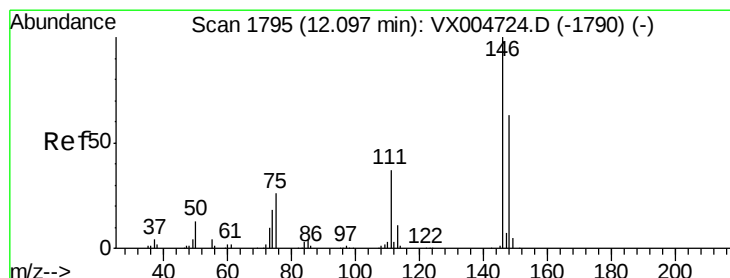
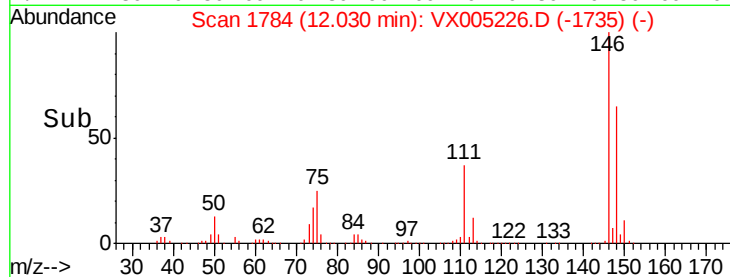
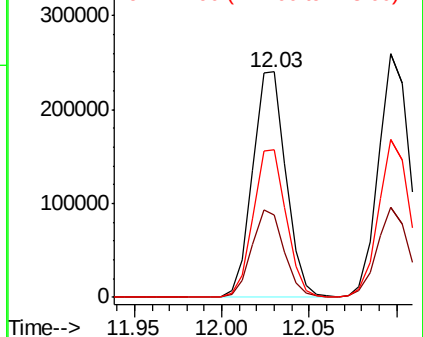
146 100

111 37.7 18.9 56.9

148 64.7 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: 52.676 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

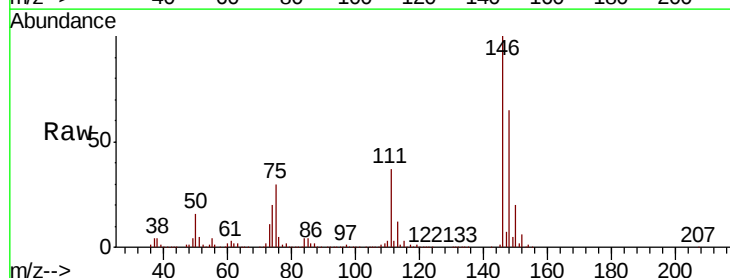
Tgt Ion:146 Resp: 323032

Ion Ratio Lower Upper

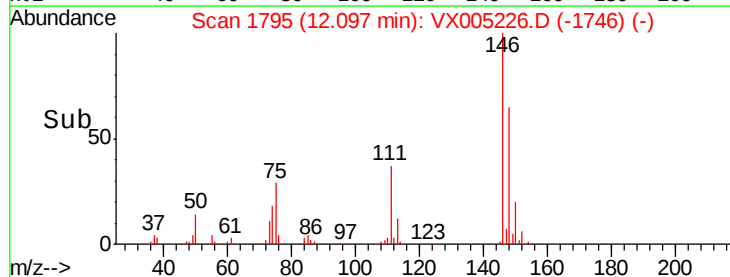
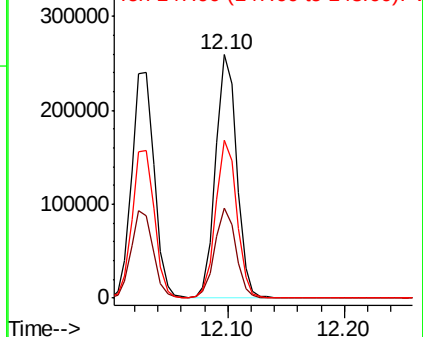
146 100

111 36.9 18.4 55.2

148 64.8 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

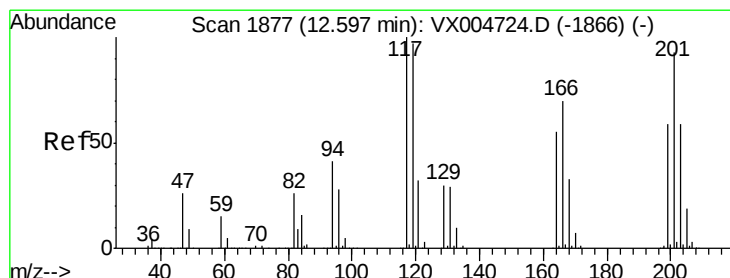
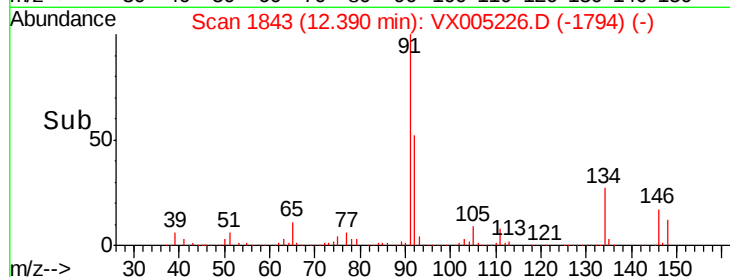
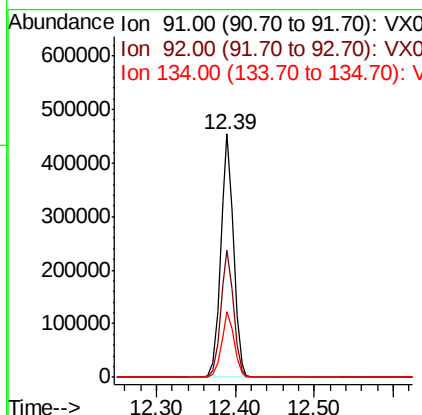
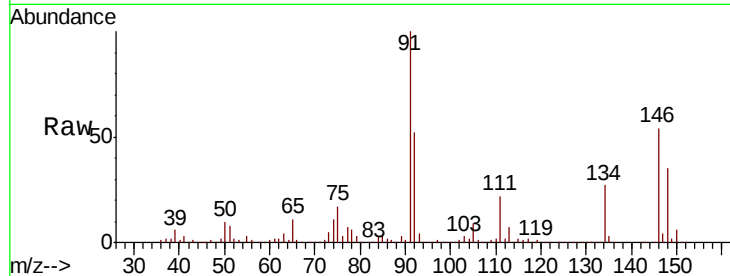




#89
n-Butylbenzene
Concen: 56.489 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

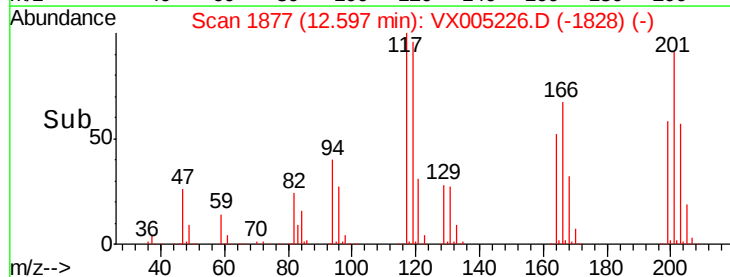
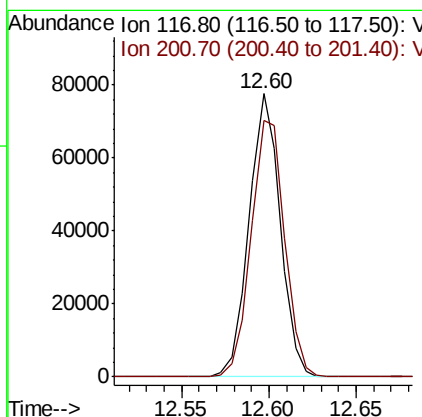
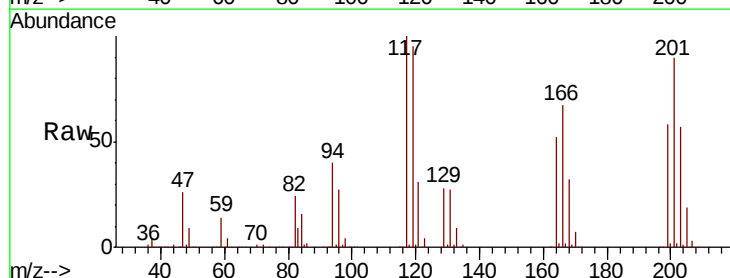
Instrument :
MSVOA_X
ClientSampleId :
RE-109D2-20181005MSD

Tot Ion: 91 Resp: 510560
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 26.6 13.2 39.6



#90
Hexachloroethane
Concen: 57.825 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005226.D
Acq: 11 Oct 2018 00:02

Tgt Ion: 117 Resp: 95814
Ion Ratio Lower Upper
117 100
201 97.6 48.4 145.0

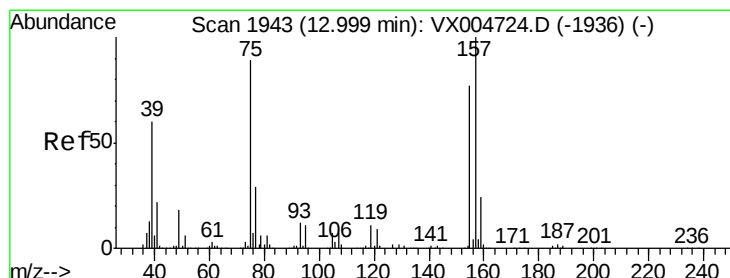
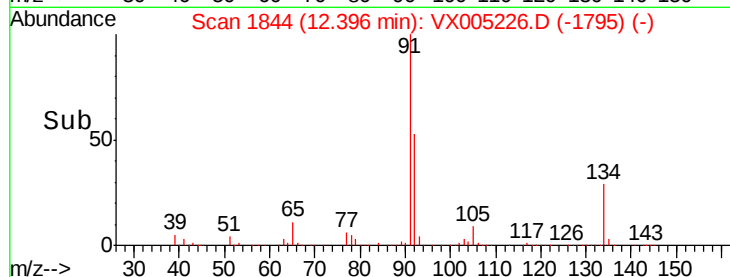
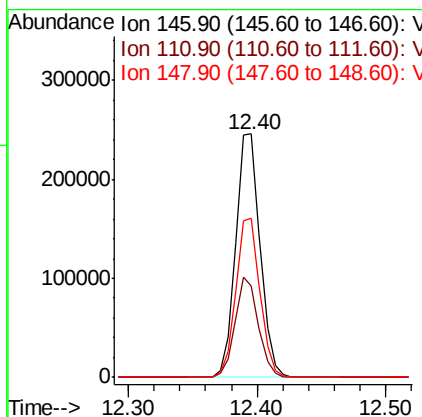
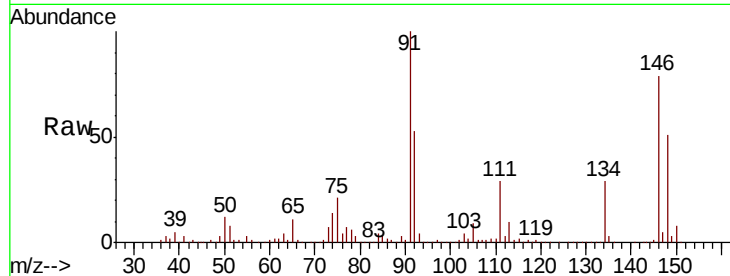




#91
 1,2-Dichlorobenzene
 Concen: 52.294 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

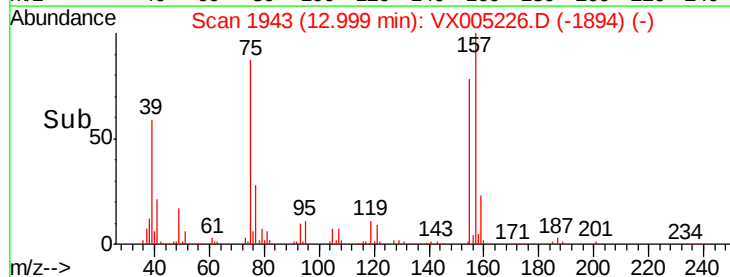
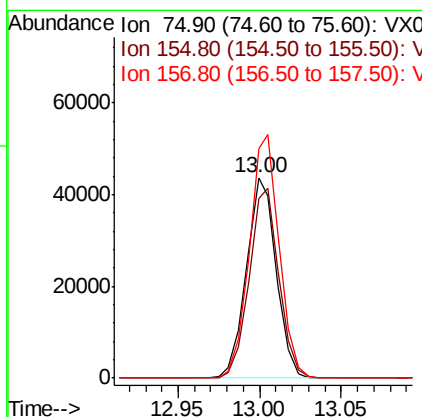
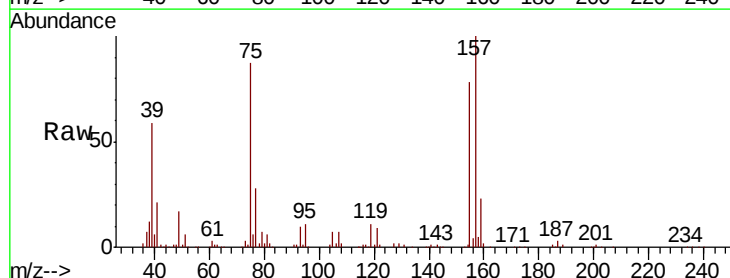
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MSD

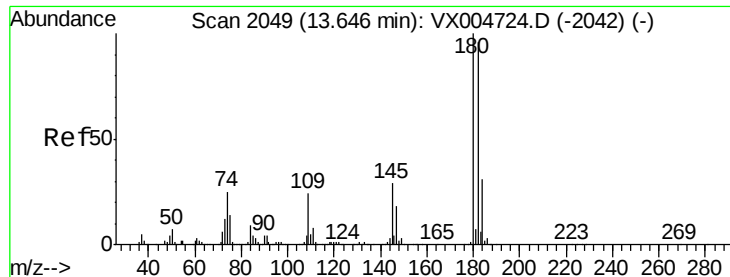
Tot Ion:146 Resp: 324652
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.7
 148 64.6 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.639 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion: 75 Resp: 55449
 Ion Ratio Lower Upper
 75 100
 155 94.5 46.1 138.3
 157 121.3 60.2 180.6

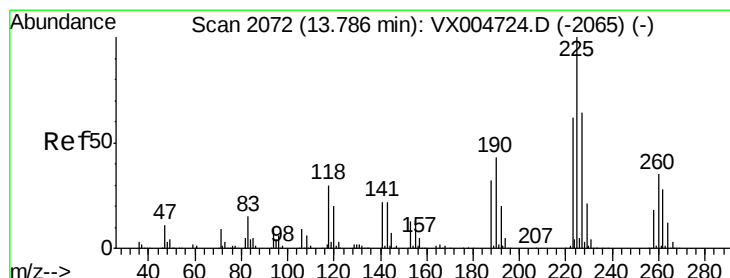
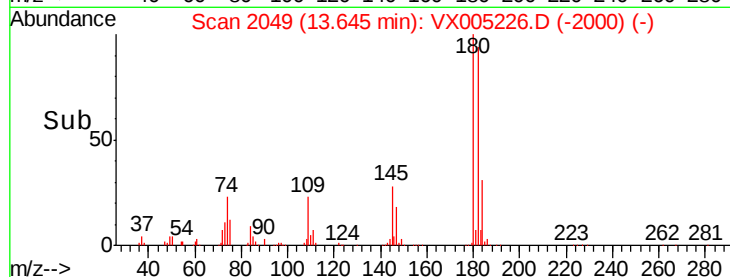
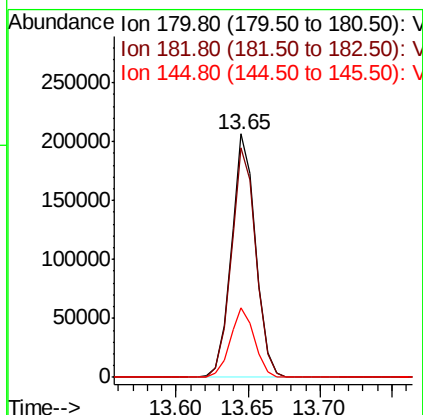
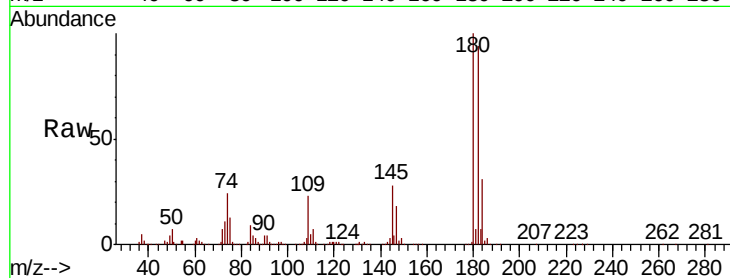




#93
 1,2,4-Trichlorobenzene
 Concen: 55.702 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

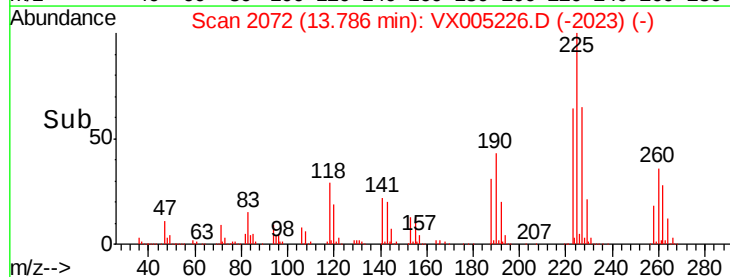
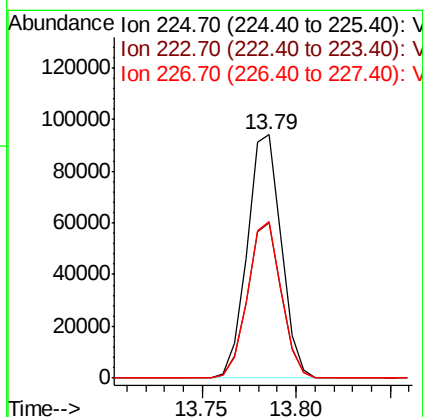
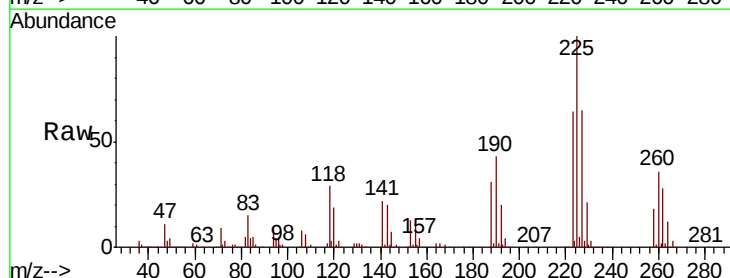
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-109D2-20181005MSD

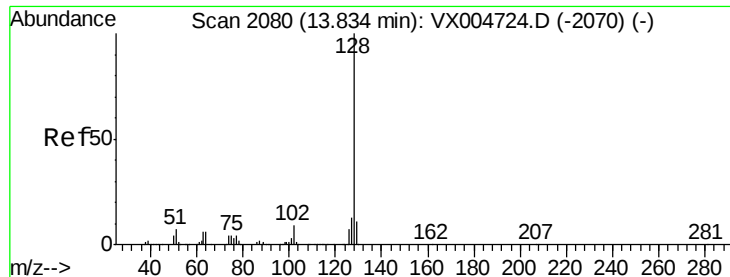
Tot Ion:180 Resp: 242580
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.8 143.4
 145 28.6 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 52.181 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005226.D
 Acq: 11 Oct 2018 00:02

Tgt Ion:225 Resp: 117839
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 63.9 31.9 95.5





#95

Naphthalene

Concen: 54.016 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

RE-109D2-20181005MSD

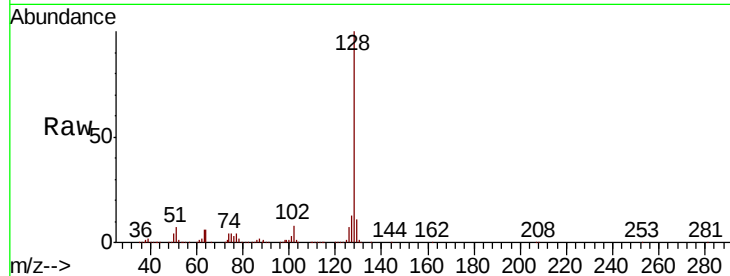
Tot Ion:128 Resp: 781621

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

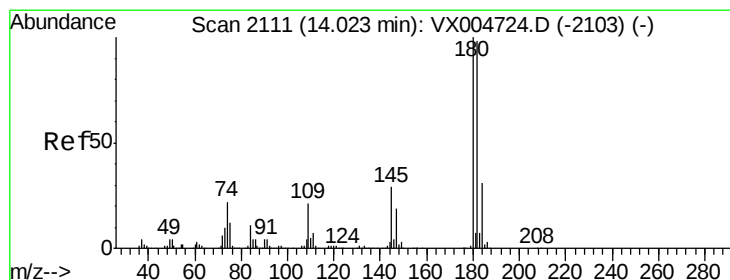
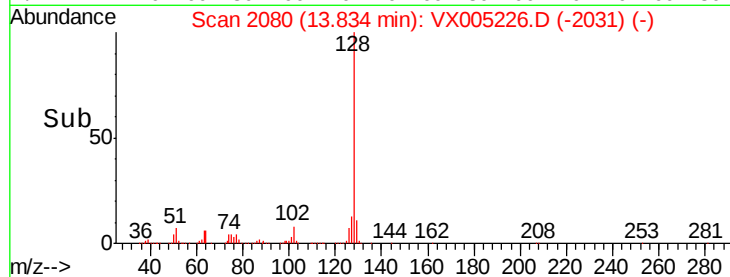
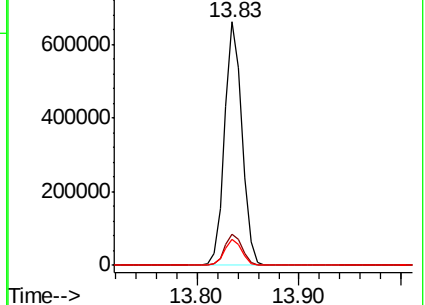
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.989 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005226.D

Acq: 11 Oct 2018 00:02

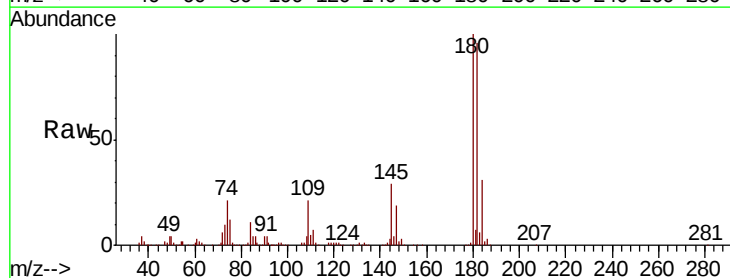
Tgt Ion:180 Resp: 251878

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 29.8 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

