

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005182.D
 Acq On : 10 Oct 2018 02:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 10 05:59:51 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	194680	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	281575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175393	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	136939	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
35) Dibromofluoromethane	5.50	113	114197	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	8.72	98	409618	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
62) 4-Bromofluorobenzene	11.14	95	156756	54.85	ug/l	0.00
Spiked Amount			Recovery	=	109.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	157519	59.343	ug/l	96
3) Chloromethane	1.32	50	177235	55.035	ug/l	99
4) Vinyl Chloride	1.40	62	171863	56.900	ug/l	99
5) Bromomethane	1.64	94	99910	55.781	ug/l	95
6) Chloroethane	1.71	64	100788	61.778	ug/l	97
7) Trichlorofluoromethane	1.92	101	224323	59.991	ug/l	86
8) Diethyl Ether	2.19	74	88477	54.466	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	121241	56.920	ug/l	98
10) Methyl Iodide	2.51	142	145979	51.216	ug/l	91
11) Tert butyl alcohol	3.09	59	217050	279.130	ug/l	99
12) 1,1-Dichloroethene	2.37	96	119069	56.446	ug/l	94
13) Acrolein	2.29	56	133497	241.293	ug/l	93
14) Allyl chloride	2.72	41	254643	55.326	ug/l	95
15) Acrylonitrile	3.15	53	491967	287.400	ug/l	97
16) Acetone	2.45	43	441958	272.208	ug/l	94
17) Carbon Disulfide	2.56	76	350205	55.250	ug/l	98
18) Methyl Acetate	2.78	43	247984	60.284	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	419545	57.660	ug/l	95
20) Methylene Chloride	2.85	84	133904	56.838	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	124608	53.963	ug/l	82
22) Diisopropyl ether	3.88	45	440734	56.866	ug/l #	85
23) Vinyl Acetate	3.83	43	1952865	275.271	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	245672	53.139	ug/l	99
25) 2-Butanone	4.70	43	632702	264.370	ug/l	93
26) 2,2-Dichloropropane	4.58	77	117279	36.429	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	132862	51.505	ug/l	97
28) Bromochloromethane	5.02	49	100625	46.220	ug/l	97
29) Tetrahydrofuran	5.16	42	414033	278.344	ug/l	99
30) Chloroform	5.21	83	235244	53.840	ug/l	86
31) Cyclohexane	5.58	56	211544	59.785	ug/l #	80
32) 1,1,1-Trichloroethane	5.49	97	197007	55.210	ug/l	96
36) 1,1-Dichloropropene	5.79	75	166967	51.281	ug/l	96
37) Ethyl Acetate	4.86	43	226684	52.450	ug/l	97
38) Carbon Tetrachloride	5.78	117	181373	52.994	ug/l	90

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	192316	57.846	ug/l	# 85
40) Benzene	6.15	78	544876	53.455	ug/l	92
41) Methacrylonitrile	5.07	41	126216	52.660	ug/l	98
42) 1,2-Dichloroethane	6.20	62	187589	52.059	ug/l	96
43) Isopropyl Acetate	6.46	43	334787	53.669	ug/l	98
44) Trichloroethene	7.21	130	136165	54.339	ug/l	98
45) 1,2-Dichloropropane	7.52	63	134036	53.621	ug/l	98
46) Dibromomethane	7.66	93	88186	56.135	ug/l	100
47) Bromodichloromethane	7.90	83	169762	57.717	ug/l	97
48) Methyl methacrylate	7.78	41	172747	61.012	ug/l	98
49) 1,4-Dioxane	7.76	88	79292	1127.241	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1192866	303.703	ug/l	99
52) Toluene	8.79	92	318170	56.806	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	179925	54.133	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	194323	55.818	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	131368	53.544	ug/l	97
56) Ethyl methacrylate	9.18	69	206452	51.750	ug/l	98
57) 1,3-Dichloropropane	9.37	76	220760	54.064	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	523896	247.948	ug/l	100
59) 2-Hexanone	9.50	43	957802	292.632	ug/l	95
60) Dibromochloromethane	9.59	129	138895	56.608	ug/l	99
61) 1,2-Dibromoethane	9.68	107	139253	52.998	ug/l	96
64) Tetrachloroethene	9.34	164	141605	52.153	ug/l	96
65) Chlorobenzene	10.14	112	356625	50.412	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	131190	52.750	ug/l	99
67) Ethyl Benzene	10.26	91	612002	54.491	ug/l	96
68) m/p-Xylenes	10.36	106	477147	108.718	ug/l	94
69) o-Xylene	10.70	106	229046	56.819	ug/l	100
70) Styrene	10.71	104	389128	51.543	ug/l	99
71) Bromoform	10.86	173	115755	54.366	ug/l	97
73) Isopropylbenzene	11.02	105	625314	56.563	ug/l	100
74) N-amyl acetate	10.90	43	301049	49.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	220748	49.053	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	249028	63.347	ug/l	85
77) Bromobenzene	11.26	156	166436	51.832	ug/l	100
78) n-propylbenzene	11.36	91	722554	56.963	ug/l	99
79) 2-Chlorotoluene	11.42	91	428301	54.170	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	535890	52.899	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	56910	39.901	ug/l	99
82) 4-Chlorotoluene	11.51	91	506544	54.430	ug/l	100
83) tert-Butylbenzene	11.77	119	523064	57.466	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	551236	52.764	ug/l	99
85) sec-Butylbenzene	11.94	105	634601	57.240	ug/l	100
86) p-Isopropyltoluene	12.07	119	571578	56.904	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	309518	51.621	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	314990	50.890	ug/l	100
89) n-Butylbenzene	12.39	91	499754	54.783	ug/l	99
90) Hexachloroethane	12.60	117	92531	55.328	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	319570	51.000	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54722	55.381	ug/l	99

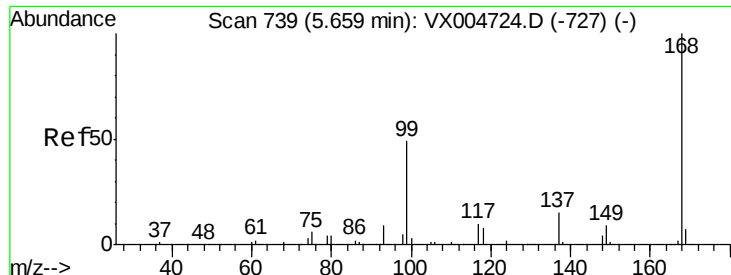
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	236848	53.883	ug/l	100
94) Hexachlorobutadiene	13.79	225	115779	50.795	ug/l	99
95) Naphthalene	13.83	128	755571	51.764	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	244692	53.889	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

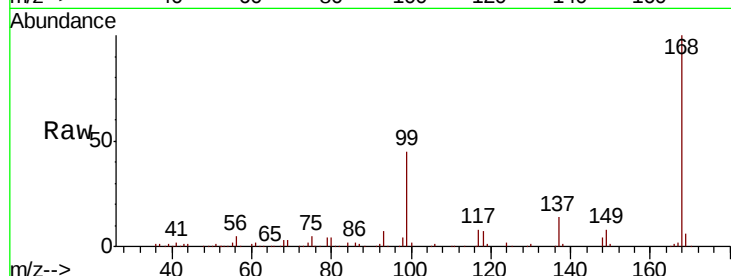
VSTDCCC050

Tot Ion:168 Resp: 194680

Ion Ratio Lower Upper

168 100

99 45.3 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

60000

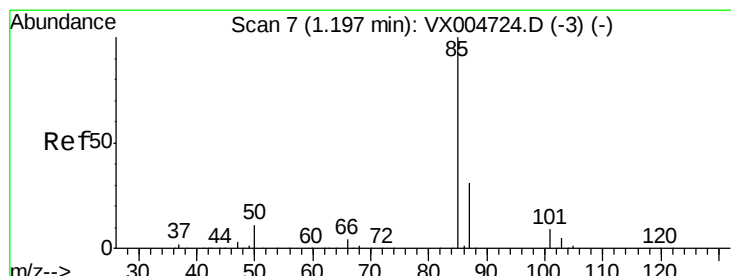
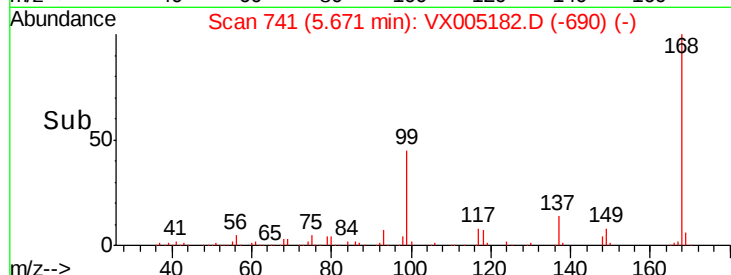
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 59.343 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005182.D

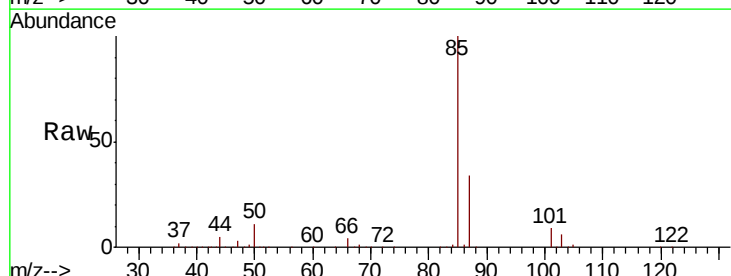
Acq: 10 Oct 2018 02:04

Tgt Ion: 85 Resp: 157519

Ion Ratio Lower Upper

85 100

87 33.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

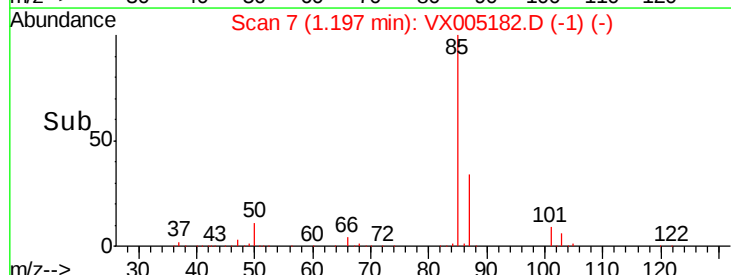
100000

50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 55.035 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

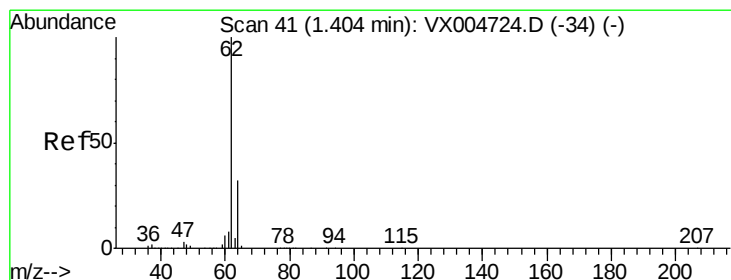
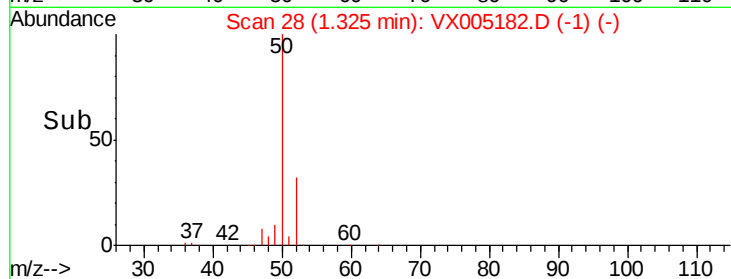
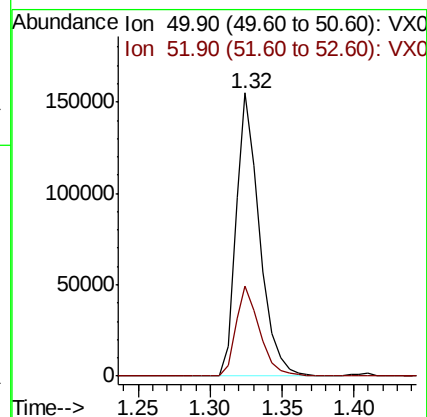
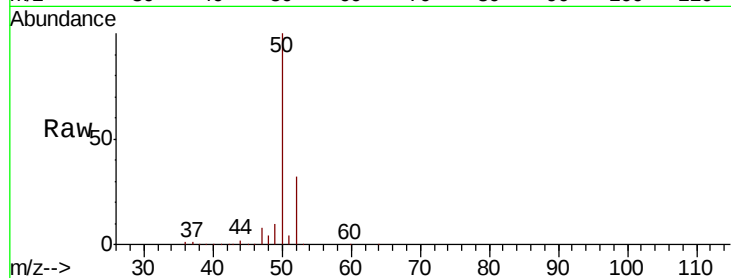
VSTDCCC050

Tot Ion: 50 Resp: 177235

Ion Ratio Lower Upper

50 100

52 31.8 25.8 38.6



#4

Vinyl Chloride

Concen: 56.900 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005182.D

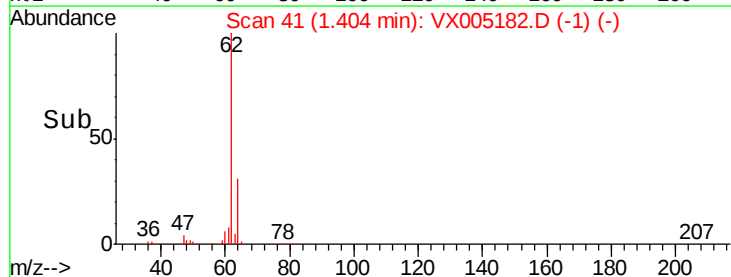
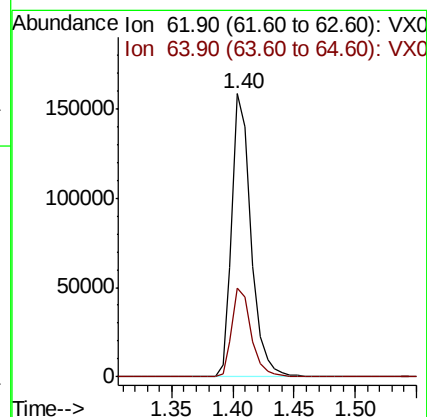
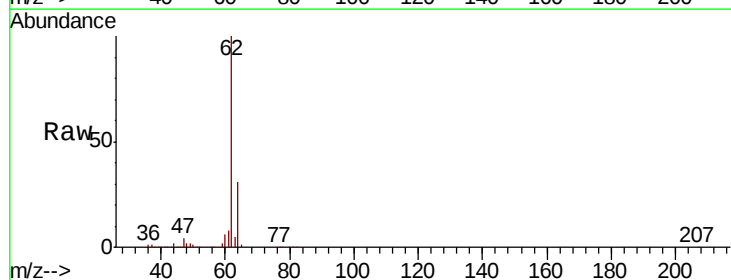
Acq: 10 Oct 2018 02:04

Tgt Ion: 62 Resp: 171863

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 55.781 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

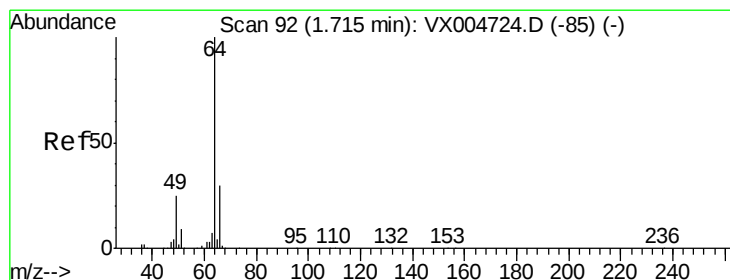
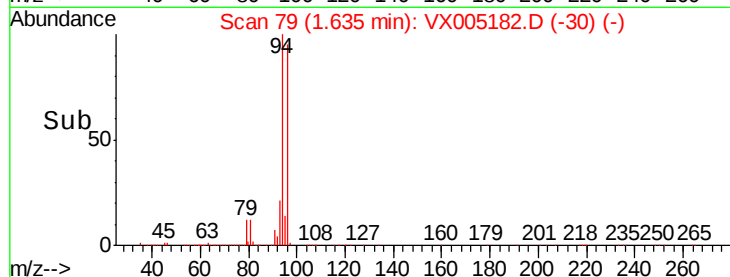
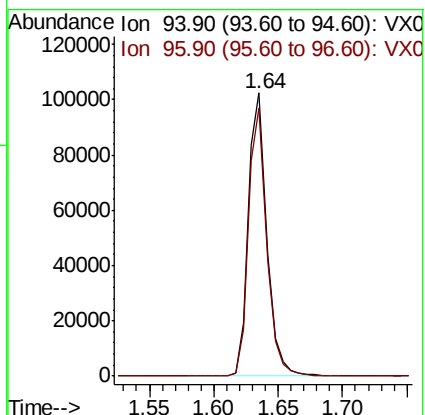
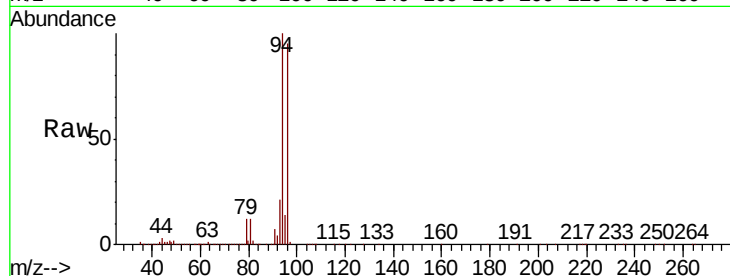
VSTDCCC050

Tot Ion: 94 Resp: 99910

Ion Ratio Lower Upper

94 100

96 94.6 79.5 119.3



#6

Chloroethane

Concen: 61.778 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005182.D

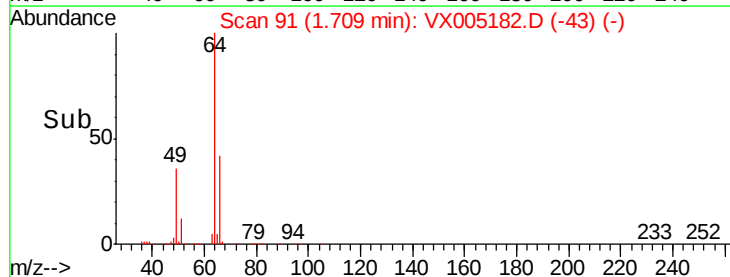
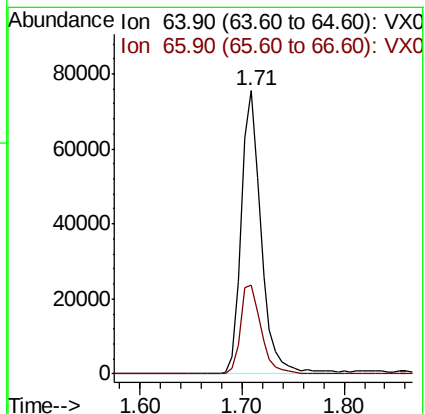
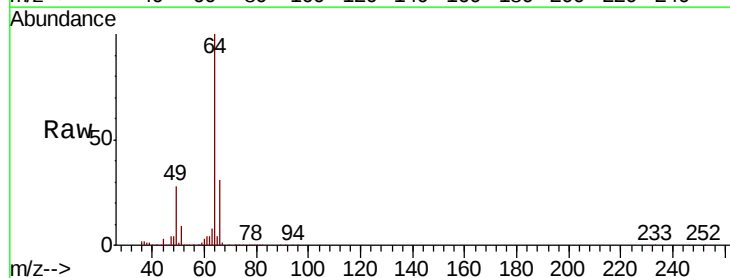
Acq: 10 Oct 2018 02:04

Tgt Ion: 64 Resp: 100788

Ion Ratio Lower Upper

64 100

66 31.3 23.8 35.6



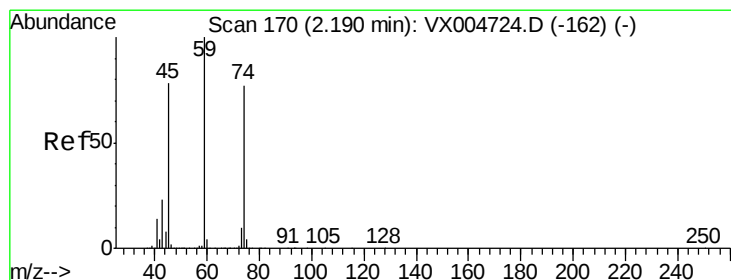
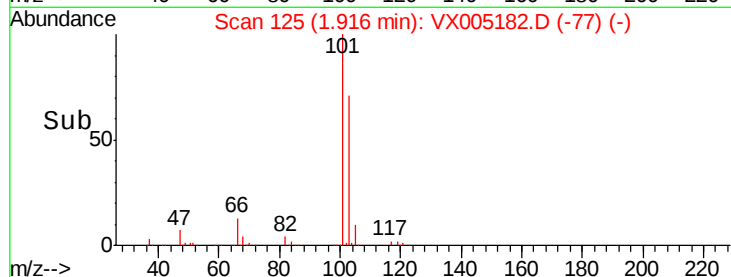
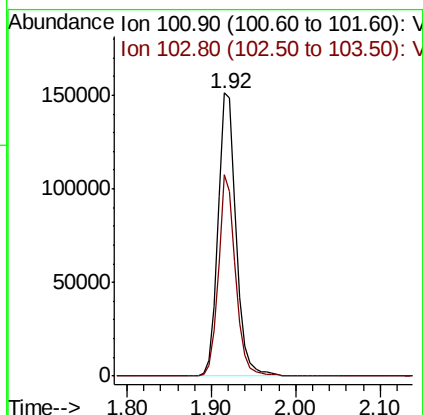
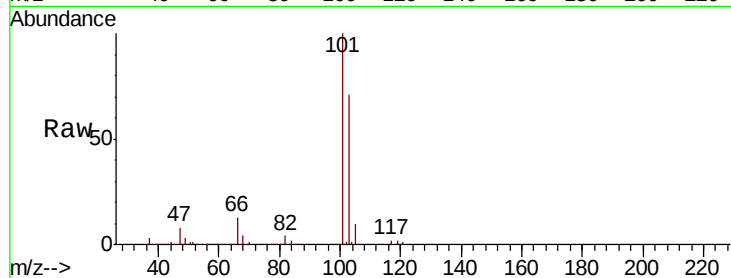


#7

Trichlorofluoromethane
 Concen: 59.991 ug/l
 RT: 1.92 min Scan# 125
 Delta R.T. -0.01 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
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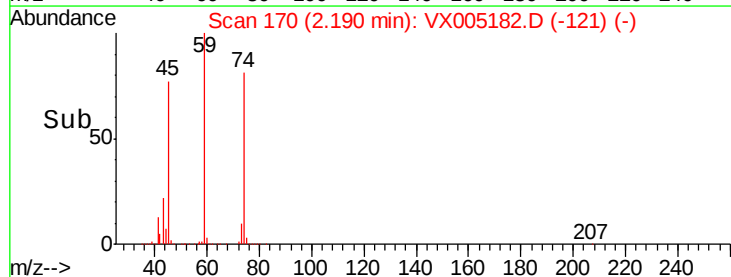
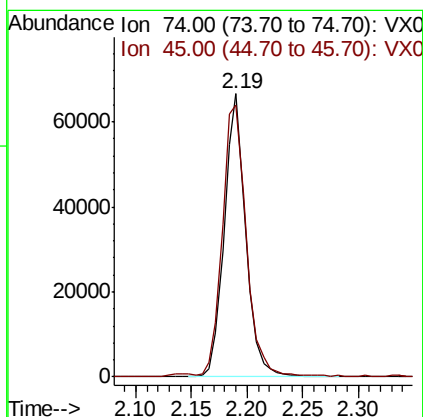
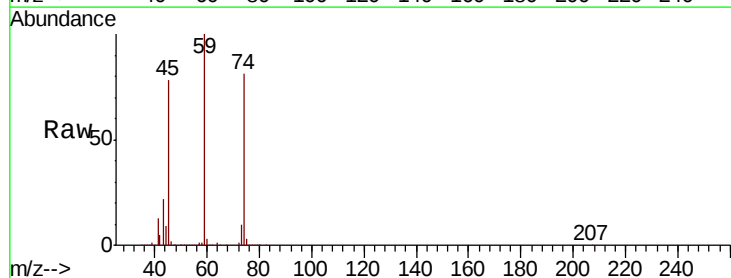
Tot Ion:101 Resp: 224323
 Ion Ratio Lower Upper
 101 100
 103 71.1 48.4 72.6



#8

Diethyl Ether
 Concen: 54.466 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 74 Resp: 88477
 Ion Ratio Lower Upper
 74 100
 45 106.7 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.920 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

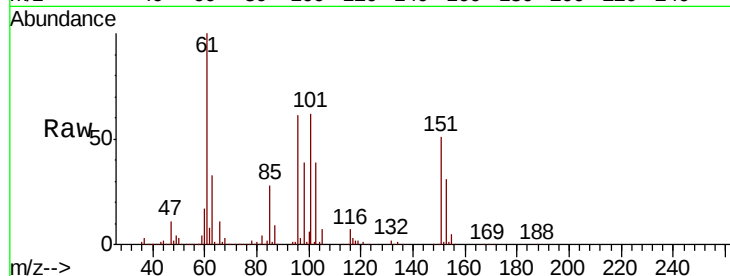
Tot Ion:101 Resp: 121241

Ion Ratio Lower Upper

101 100

85 43.4 35.9 53.9

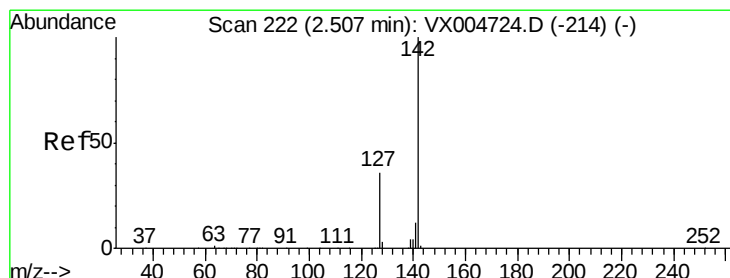
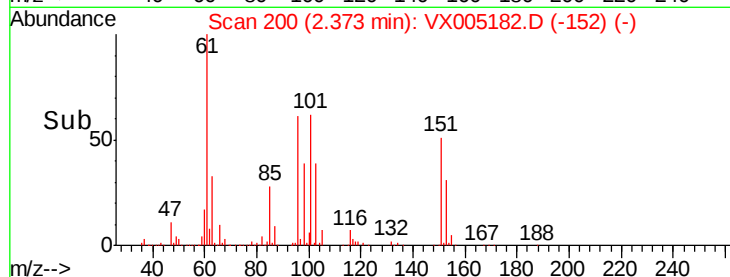
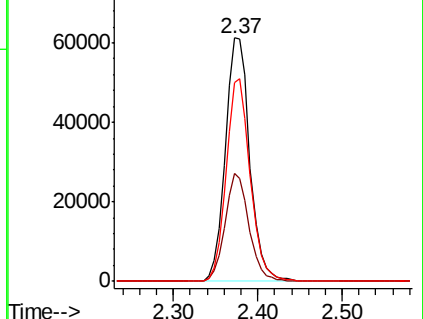
151 81.8 66.6 100.0



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: 51.216 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

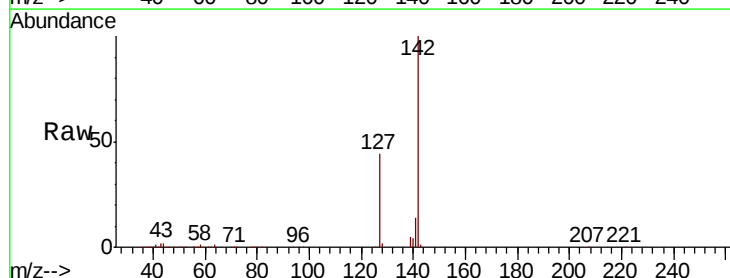
Tgt Ion:142 Resp: 145979

Ion Ratio Lower Upper

142 100

127 43.7 30.1 45.1

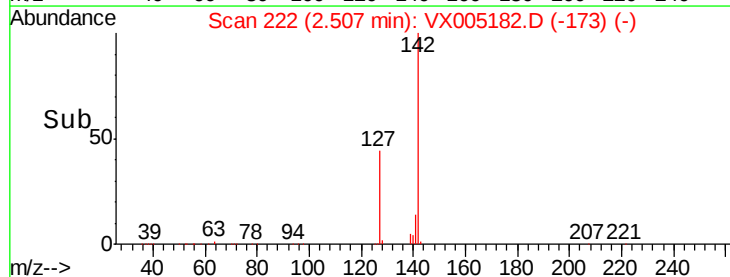
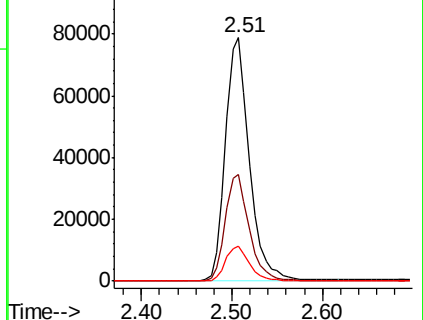
141 14.2 10.1 15.1

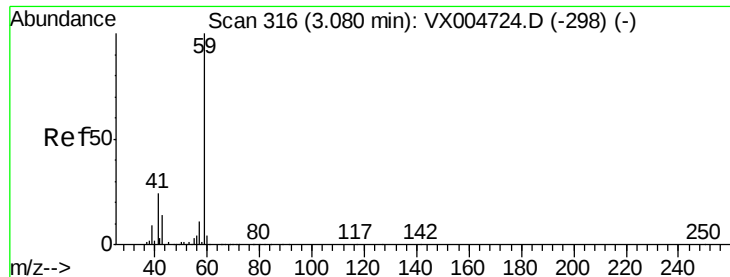


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

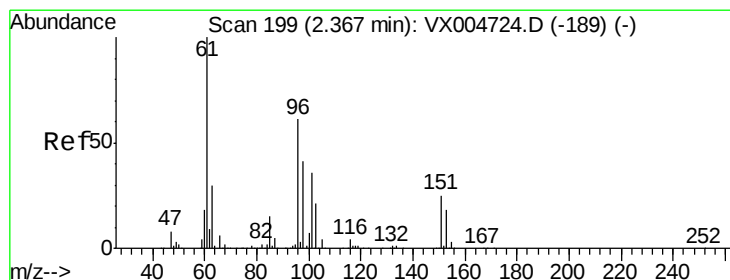
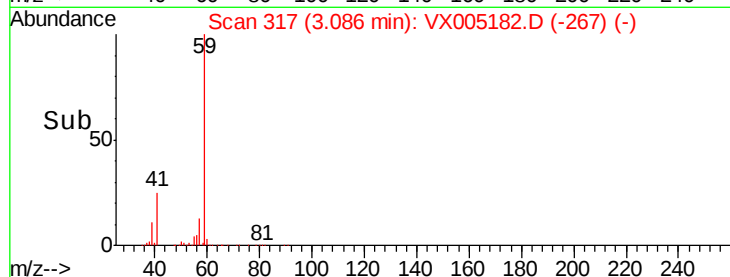
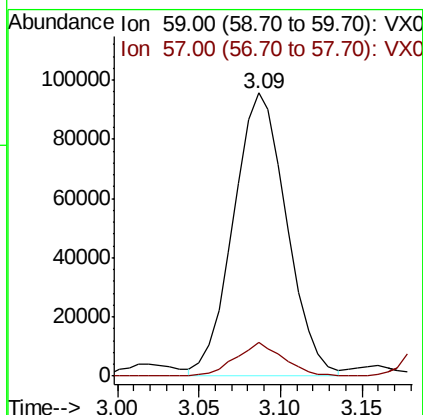
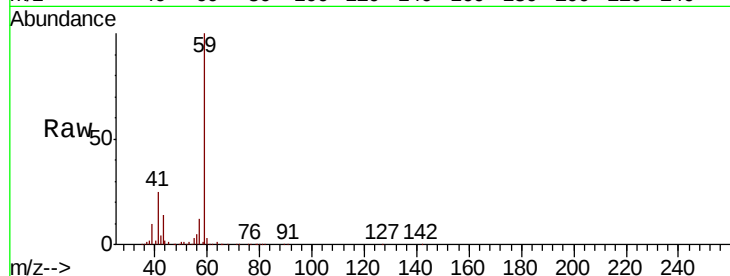




#11
Tert butyl alcohol
Concen: 279.130 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

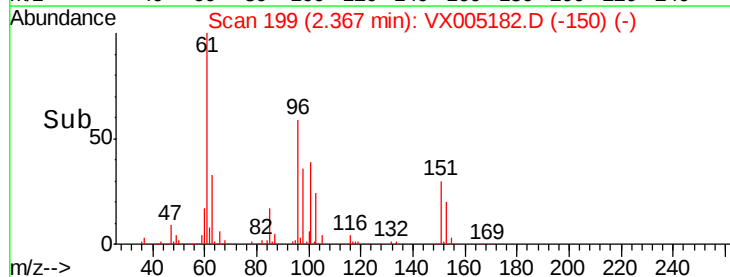
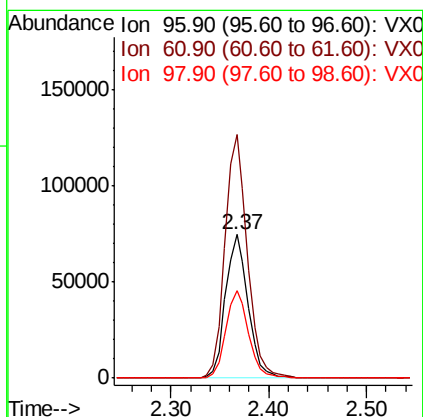
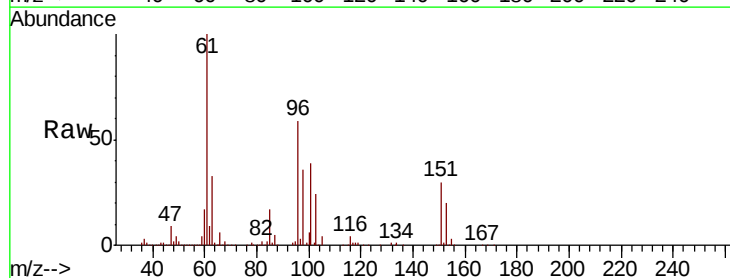
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 217050
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 56.446 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 96 Resp: 119069
Ion Ratio Lower Upper
96 100
61 169.8 130.2 195.4
98 60.7 53.4 80.0





#13

Acrolein

Concen: 241.293 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

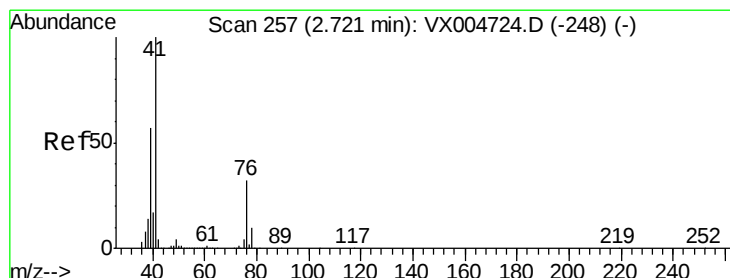
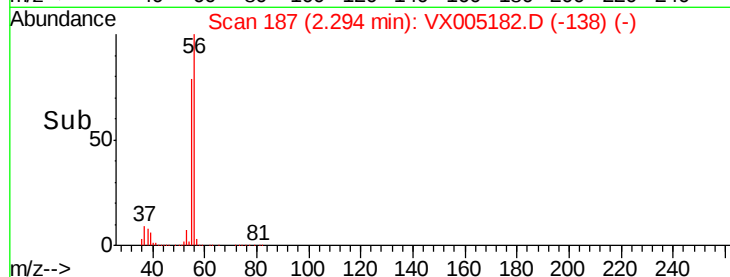
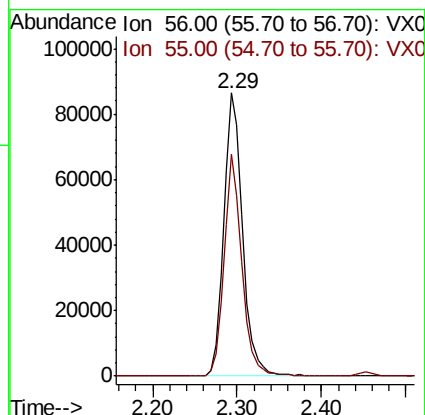
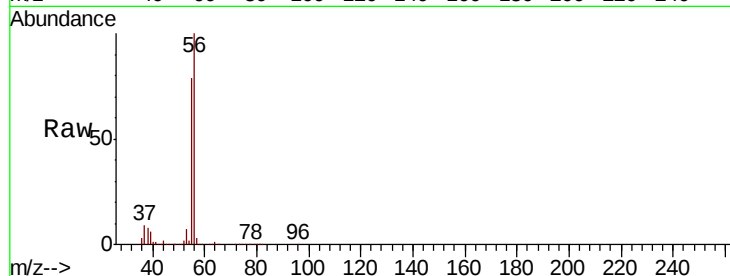
VSTDCCC050

Tot Ion: 56 Resp: 133497

Ion Ratio Lower Upper

56 100

55 73.5 63.4 95.2



#14

Allyl chloride

Concen: 55.326 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

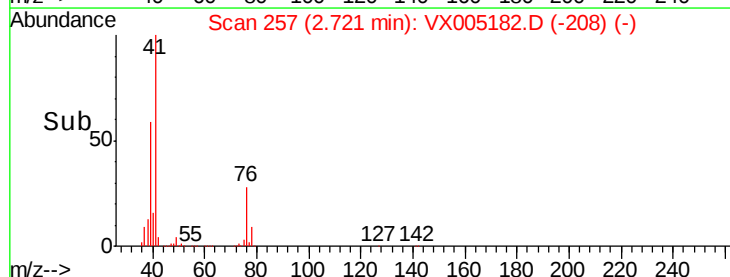
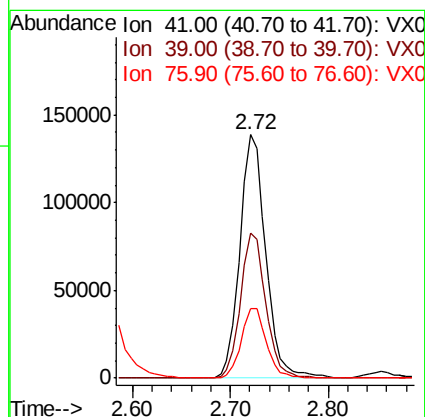
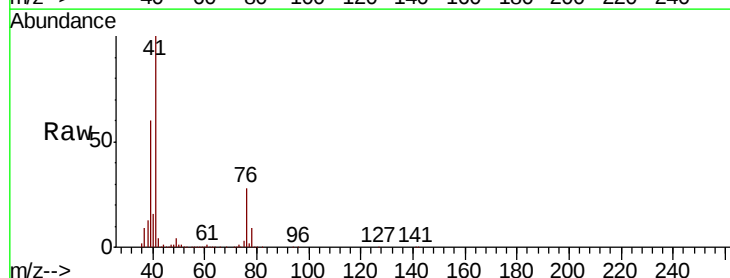
Tgt Ion: 41 Resp: 254643

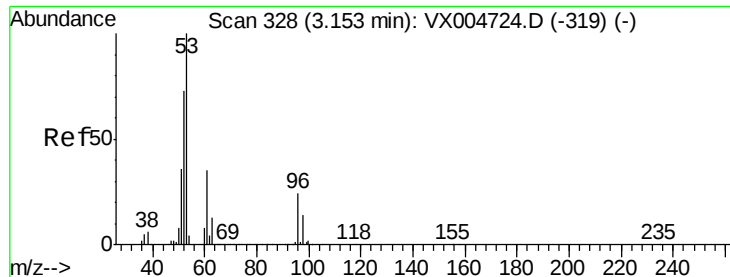
Ion Ratio Lower Upper

41 100

39 58.2 44.1 66.1

76 27.8 25.0 37.4





#15

Acrylonitrile

Concen: 287.400 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

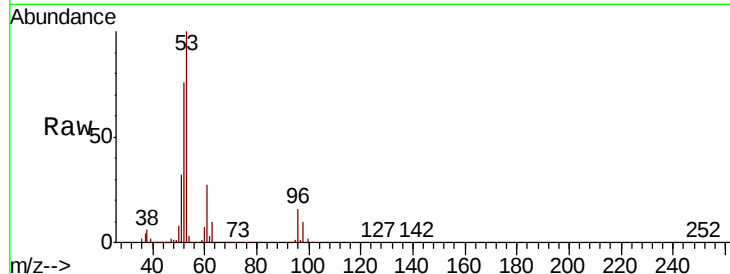
Tot Ion: 53 Resp: 491967

Ion Ratio Lower Upper

53 100

52 82.0 63.0 94.4

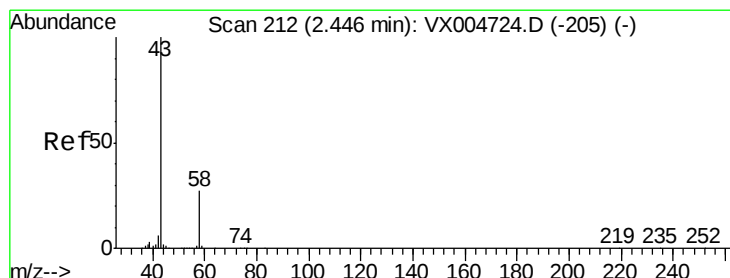
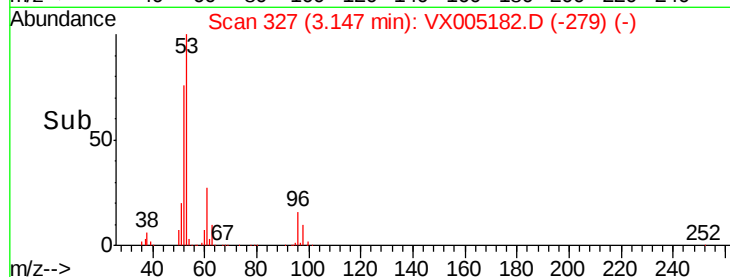
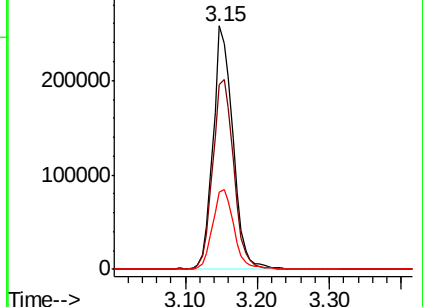
51 35.2 28.6 42.8



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: 272.208 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005182.D

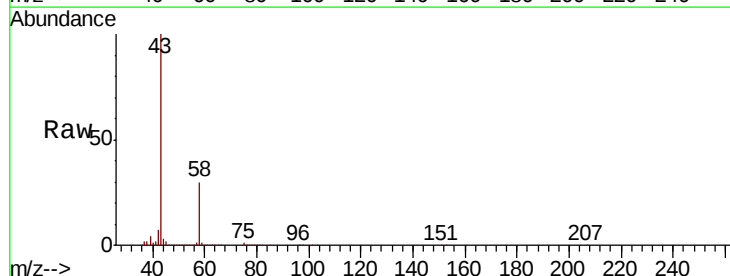
Acq: 10 Oct 2018 02:04

Tgt Ion: 43 Resp: 441958

Ion Ratio Lower Upper

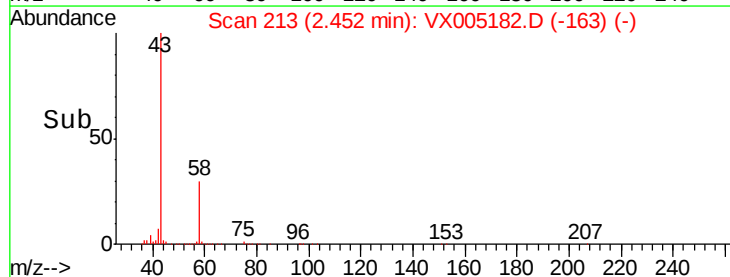
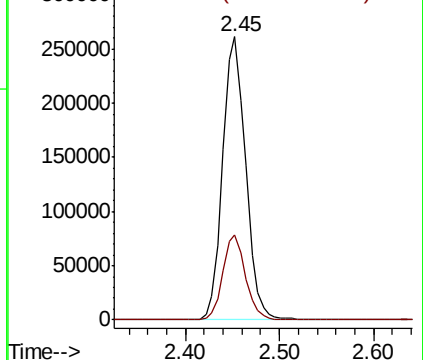
43 100

58 30.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

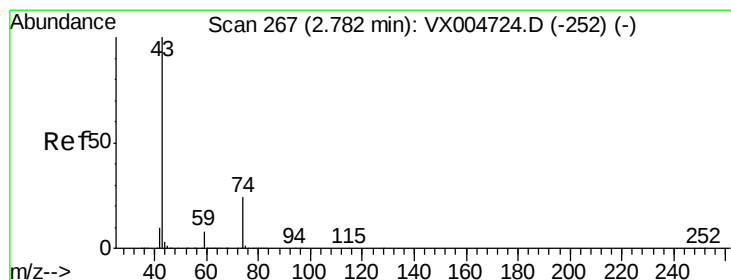
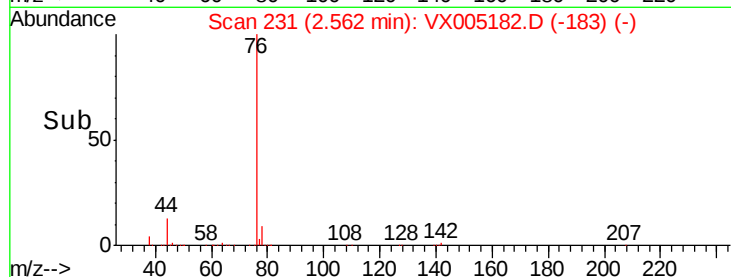
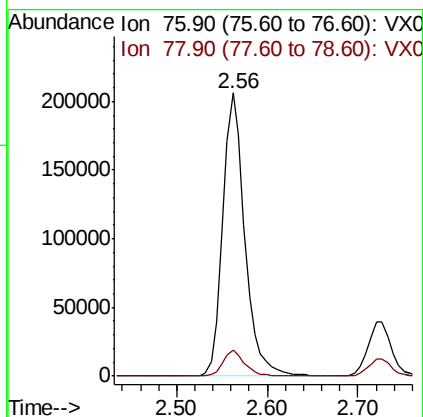
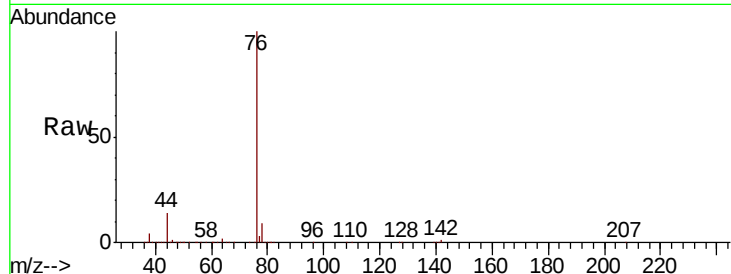




#17
Carbon Disulfide
Concen: 55.250 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

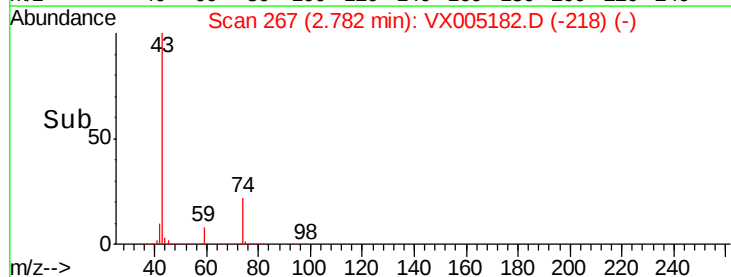
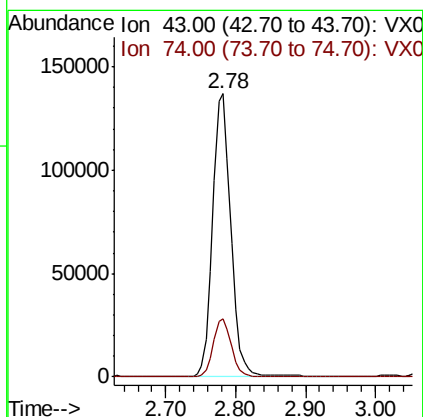
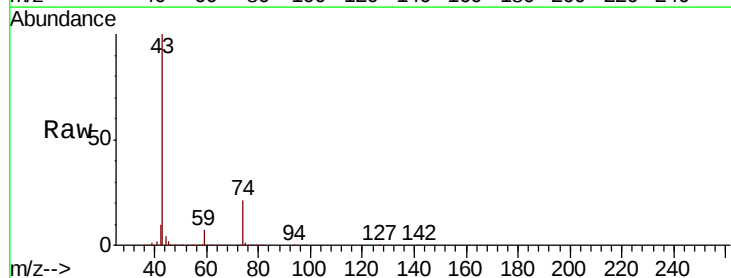
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 350205
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 60.284 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 43 Resp: 247984
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.8



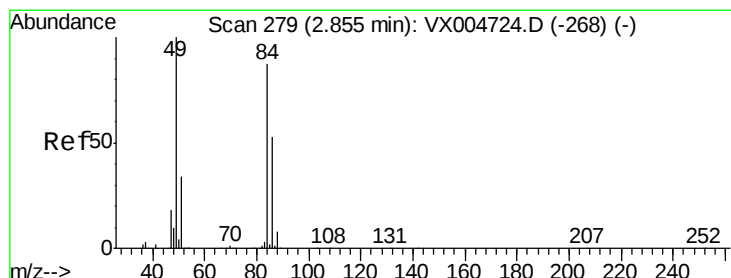
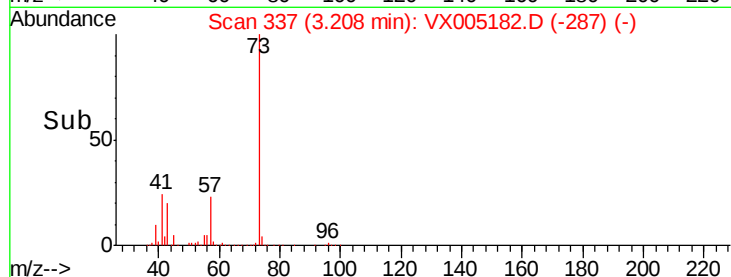
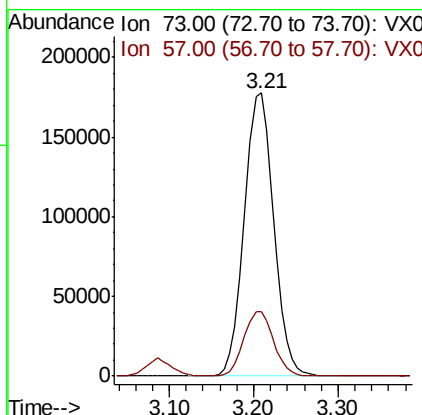
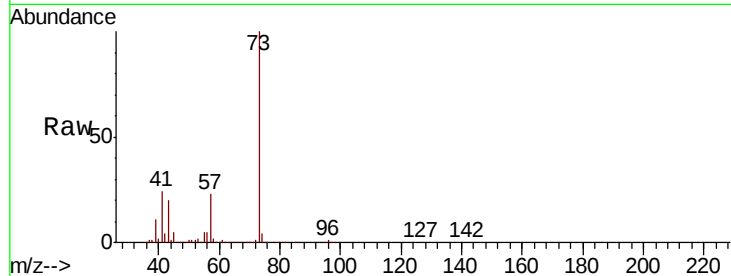


#19

Methyl tert-butyl Ether
 Concen: 57.660 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

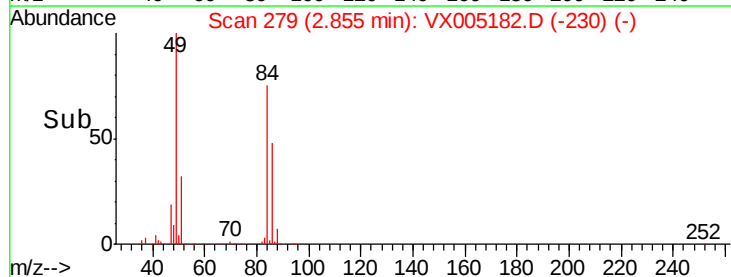
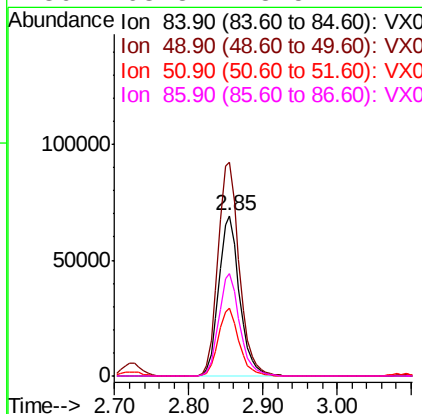
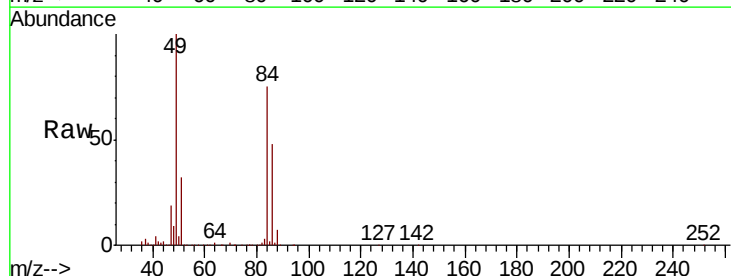
Tot Ion: 73 Resp: 419545
 Ion Ratio Lower Upper
 73 100
 57 22.6 19.9 29.9

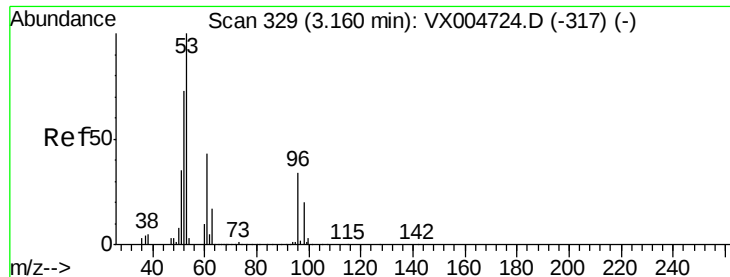


#20

Methylene Chloride
 Concen: 56.838 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 84 Resp: 133904
 Ion Ratio Lower Upper
 84 100
 49 133.3 92.3 138.5
 51 42.0 31.8 47.6
 86 63.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 53.963 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

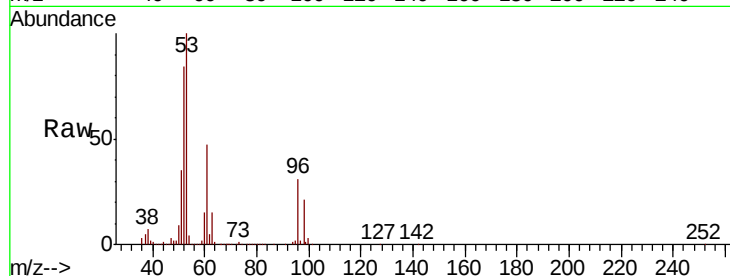
Tot Ion: 96 Resp: 124608

Ion Ratio Lower Upper

96 100

61 151.6 101.0 151.6

98 66.0 47.2 70.8

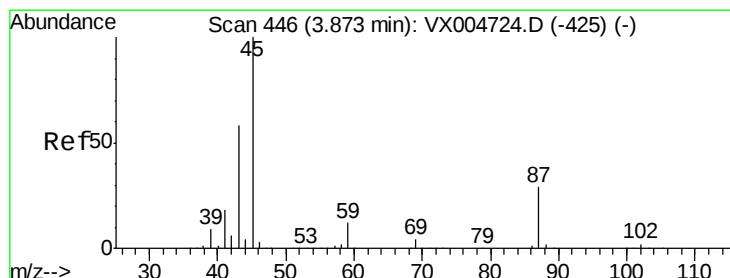
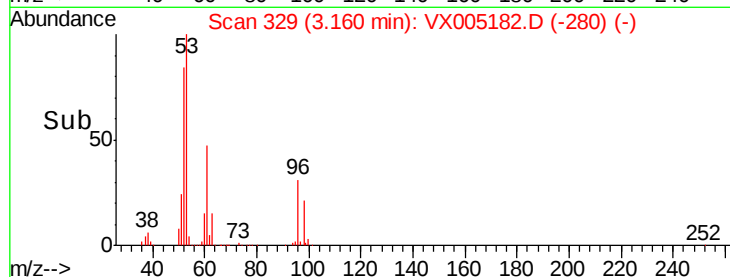
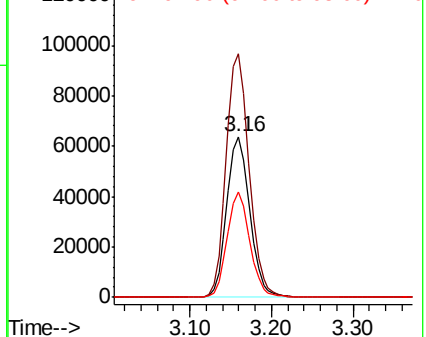


Abundance

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: 56.866 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion: 45 Resp: 440734

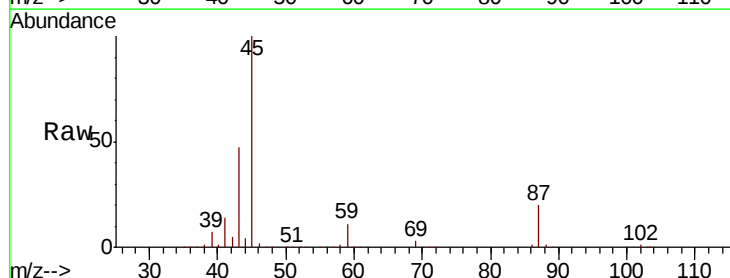
Ion Ratio Lower Upper

45 100

43 45.9 46.7 70.1#

87 20.1 22.9 34.3#

59 10.7 9.3 13.9



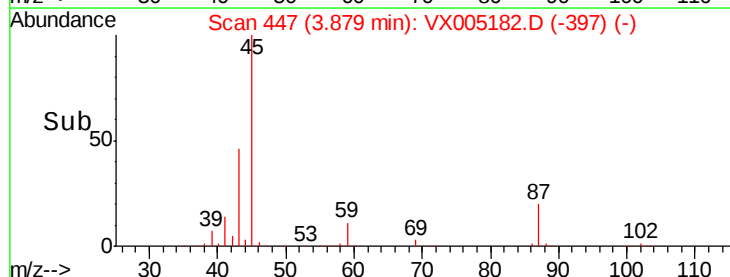
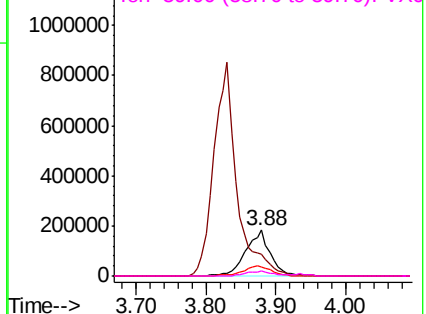
Abundance

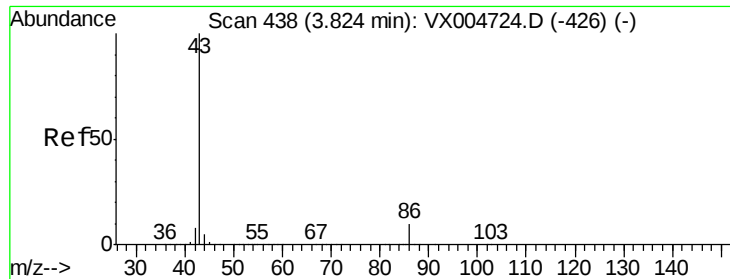
Ion 45.00 (44.70 to 45.70): VX0

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

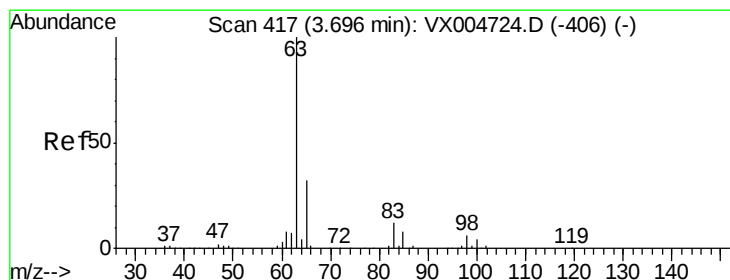
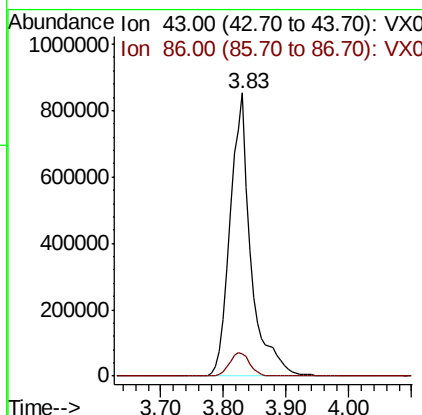
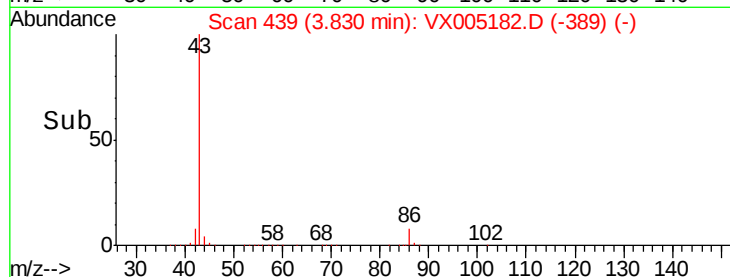
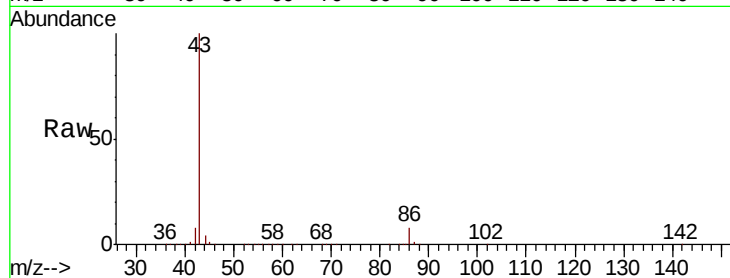




#23
 Vinyl Acetate
 Concen: 275.271 ug/l
 RT: 3.83 min Scan# 439
 Delta R.T. 0.01 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

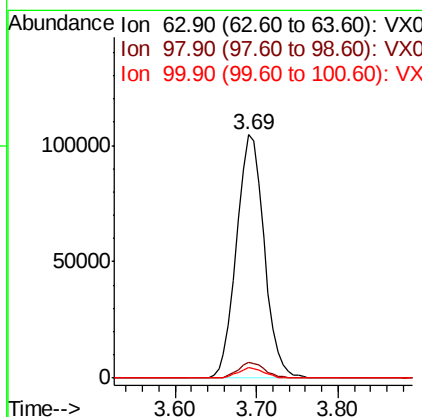
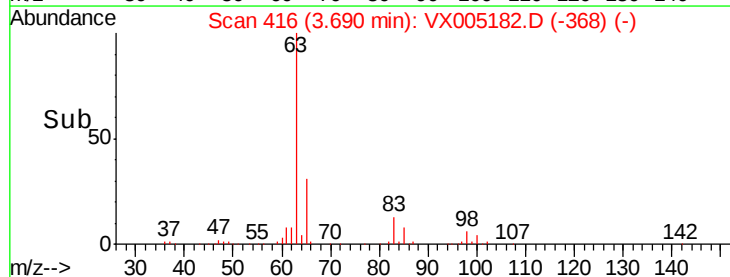
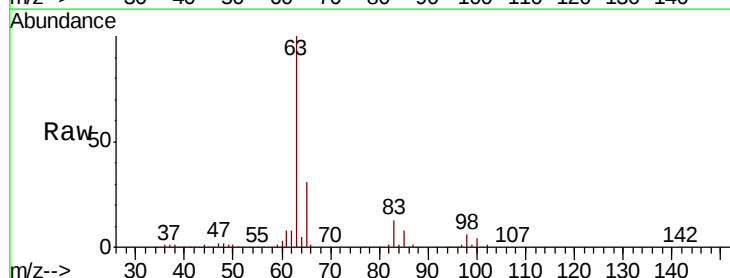
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

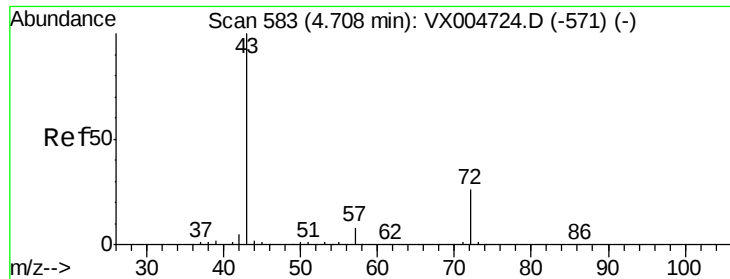
Tot Ion: 43 Resp: 1952865
 Ion Ratio Lower Upper
 43 100
 86 7.8 8.1 12.1#



#24
 1,1-Dichloroethane
 Concen: 53.139 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 63 Resp: 245672
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 264.370 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

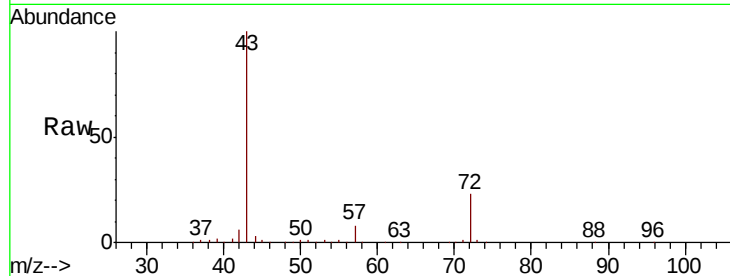
VSTDCCC050

Tot Ion: 43 Resp: 632702

Ion Ratio Lower Upper

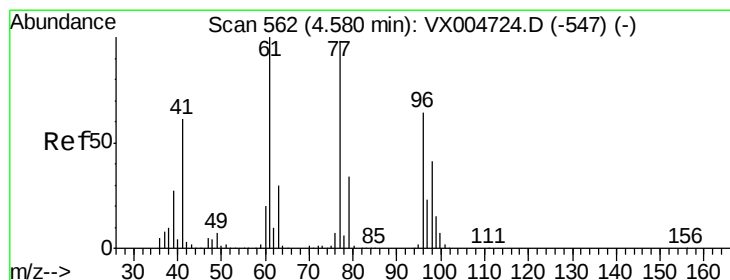
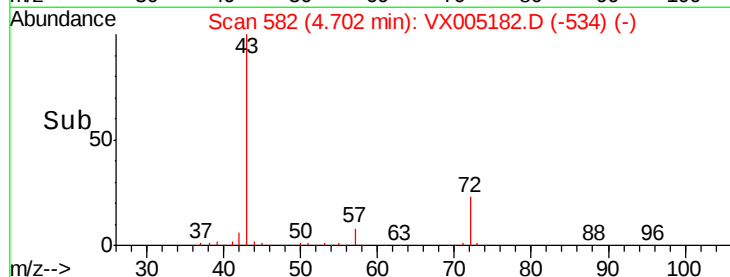
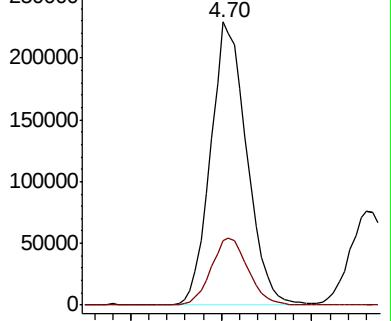
43 100

72 22.6 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: 36.429 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005182.D

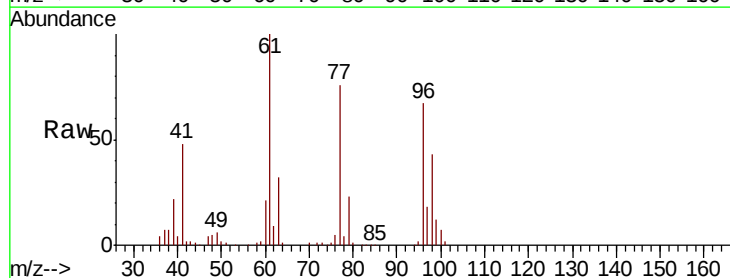
Acq: 10 Oct 2018 02:04

Tgt Ion: 77 Resp: 117279

Ion Ratio Lower Upper

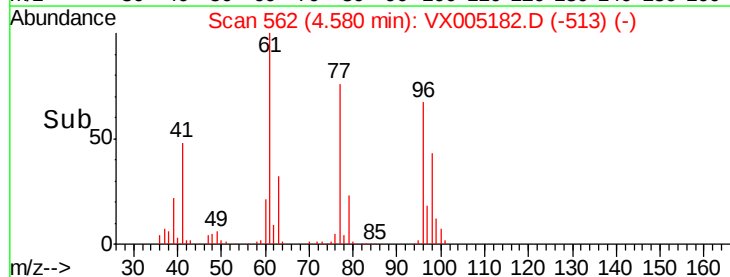
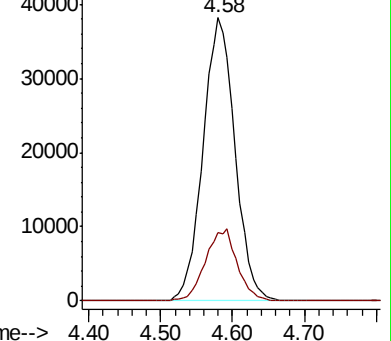
77 100

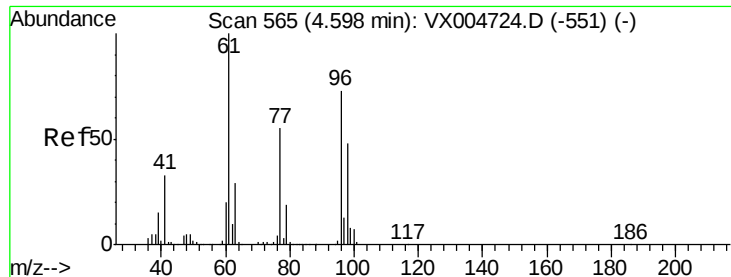
97 25.1 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



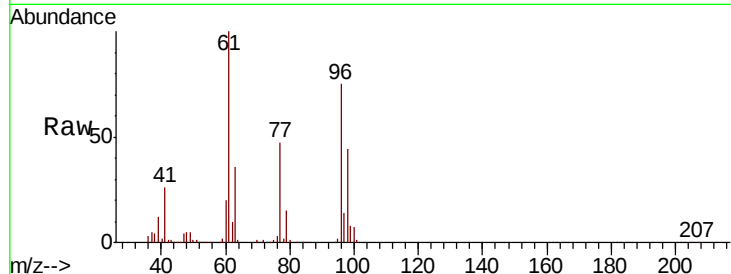


#27

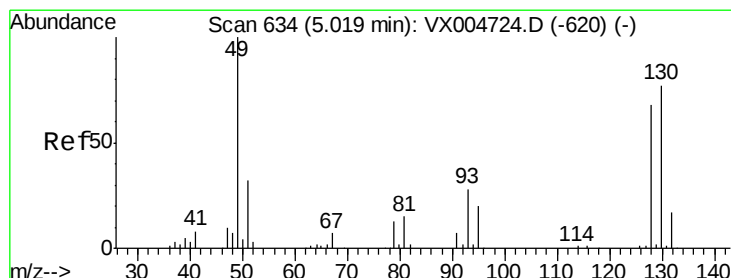
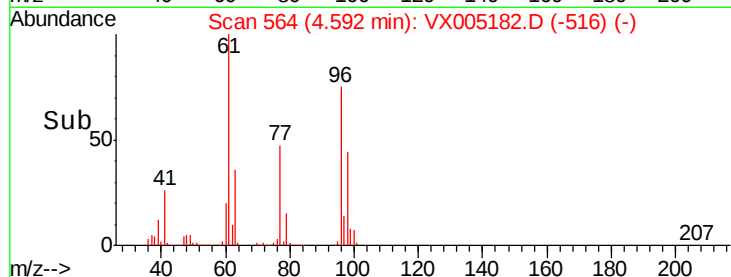
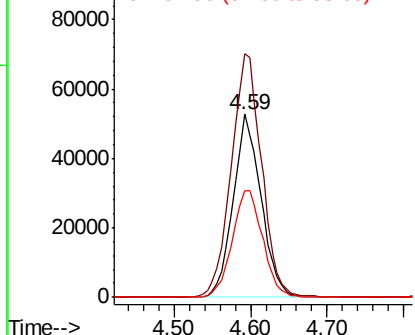
cis-1,2-Dichloroethene
Concen: 51.505 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	285.8
98	63.9	0.0	136.2



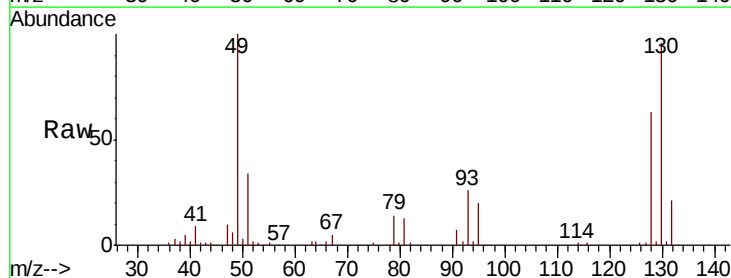
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



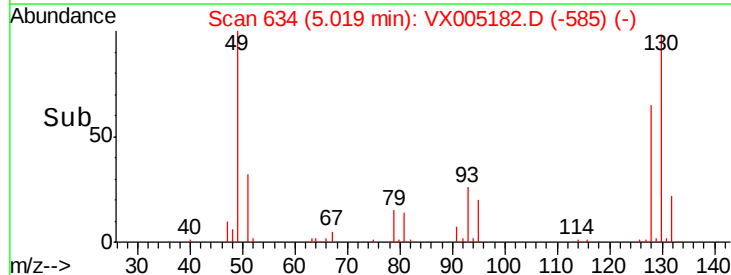
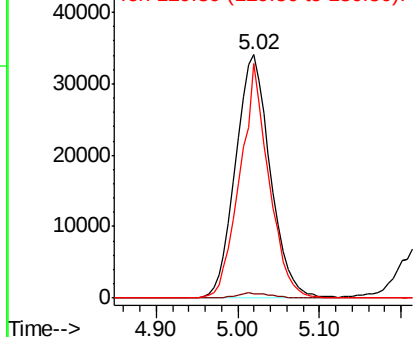
#28

Bromochloromethane
Concen: 46.220 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	80.2	62.0	93.0



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

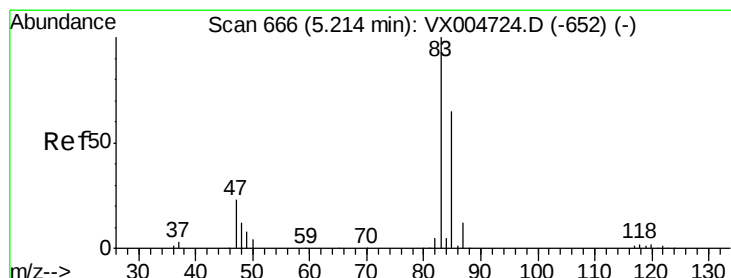
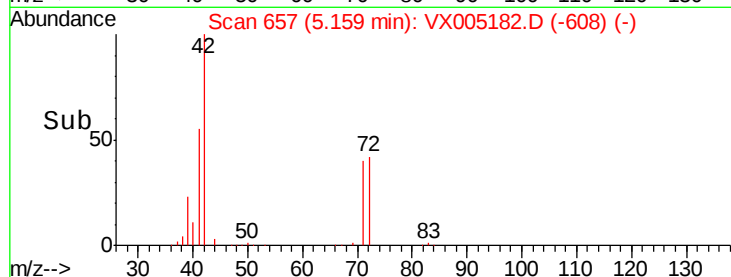
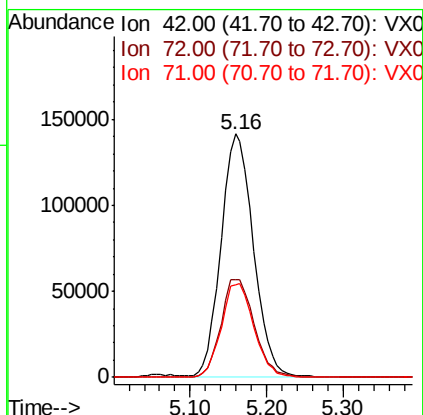
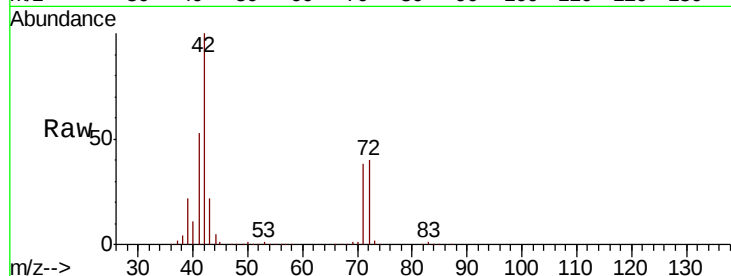




#29
Tetrahydrofuran
Concen: 278.344 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

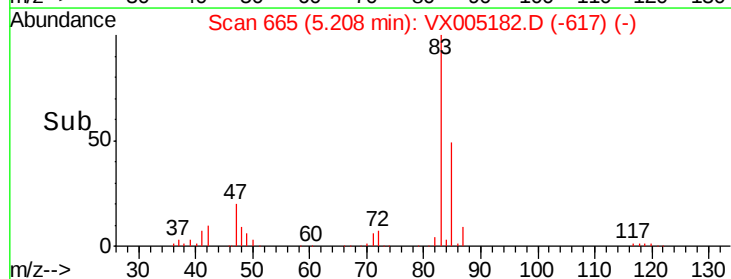
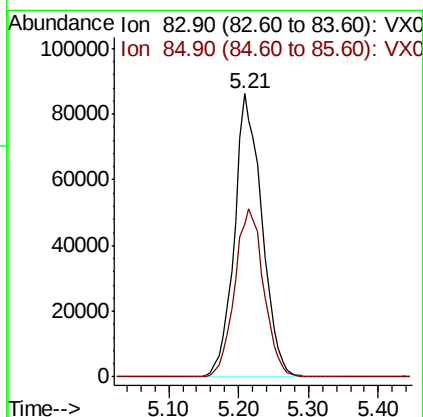
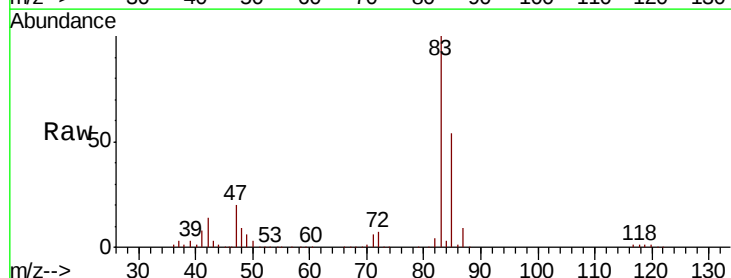
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

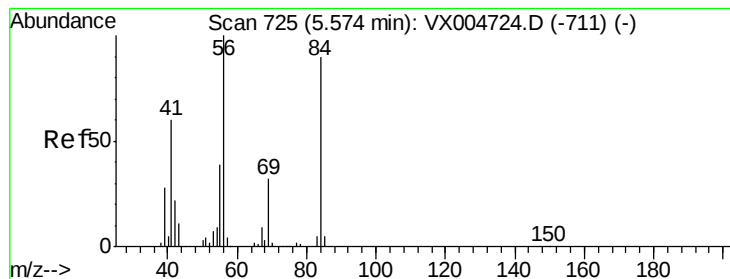
Tot Ion: 42 Resp: 414033
Ion Ratio Lower Upper
42 100
72 41.6 33.7 50.5
71 39.0 32.2 48.4



#30
Chloroform
Concen: 53.840 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 83 Resp: 235244
Ion Ratio Lower Upper
83 100
85 54.2 52.4 78.6





#31

Cyclohexane

Concen: 59.785 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

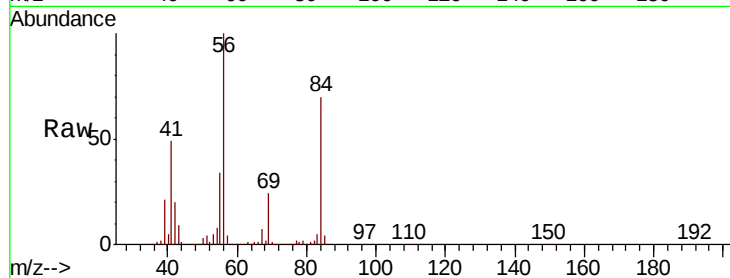
Tot Ion: 56 Resp: 211544

Ion Ratio Lower Upper

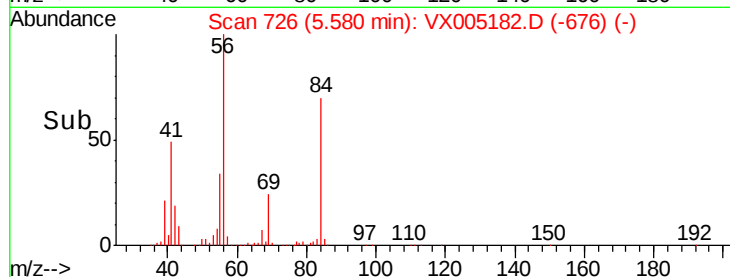
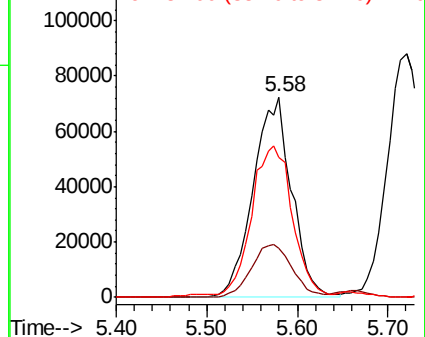
56 100

69 24.3 25.9 38.9#

84 68.6 71.9 107.9#



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



#32

1,1,1-Trichloroethane

Concen: 55.210 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

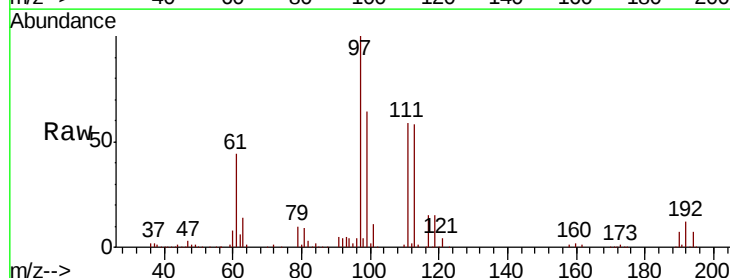
Tgt Ion: 97 Resp: 197007

Ion Ratio Lower Upper

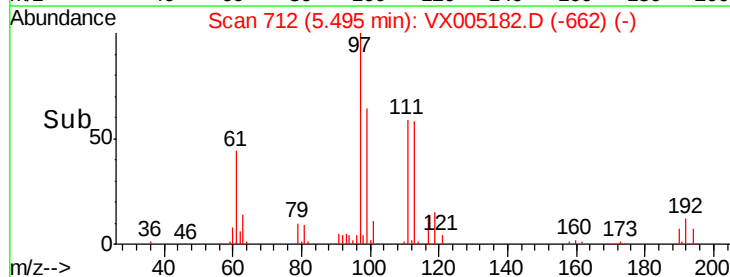
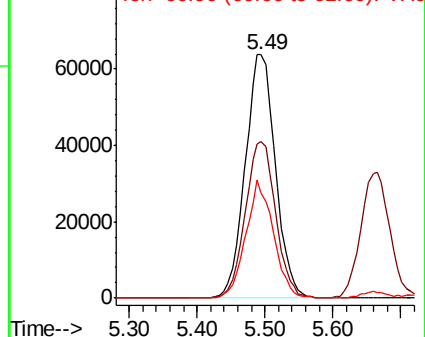
97 100

99 64.5 54.6 82.0

61 44.5 37.5 56.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

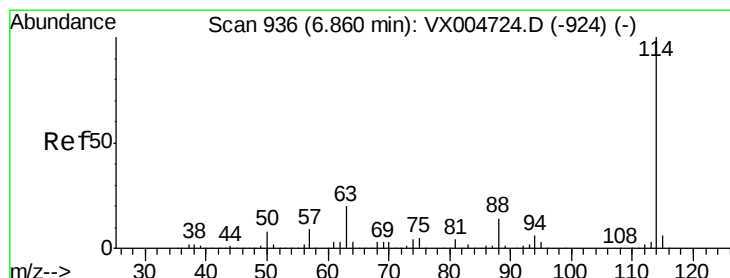
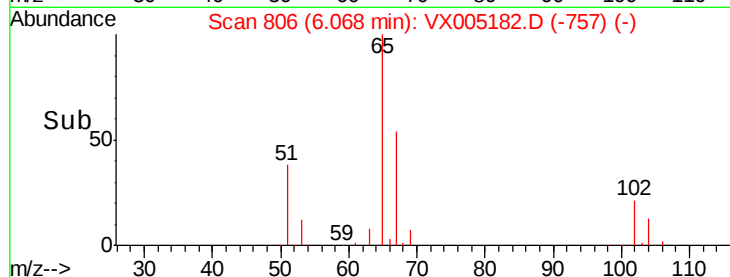
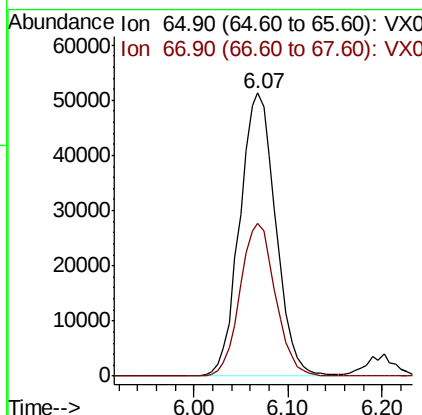
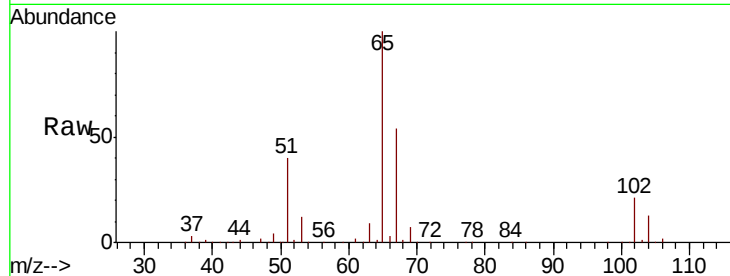




#33
 1,2-Dichloroethane-d4
 Concen: 49.241 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

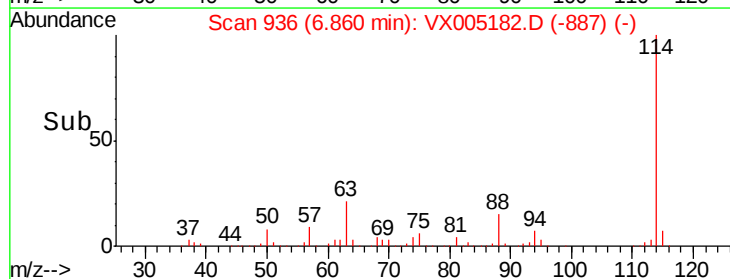
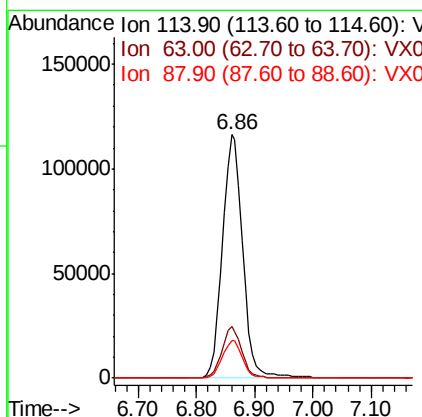
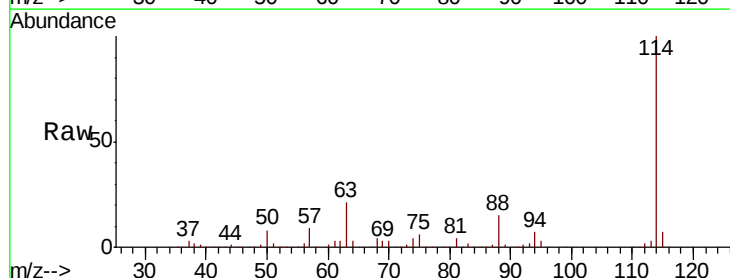
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

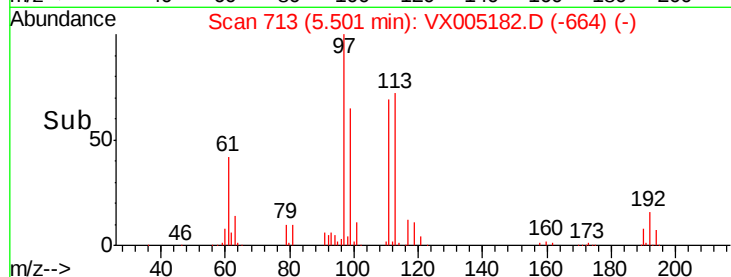
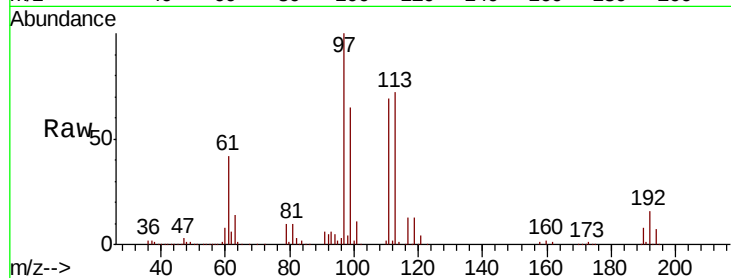
Tot Ion: 65 Resp: 136939
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 114 Resp: 281575
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 39.8
 88 15.5 0.0 27.0





#35

Dibromofluoromethane

Concen: 47.854 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

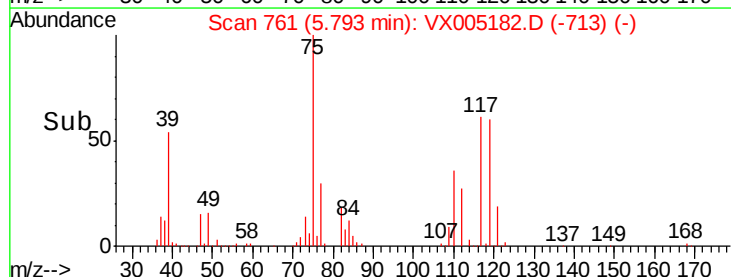
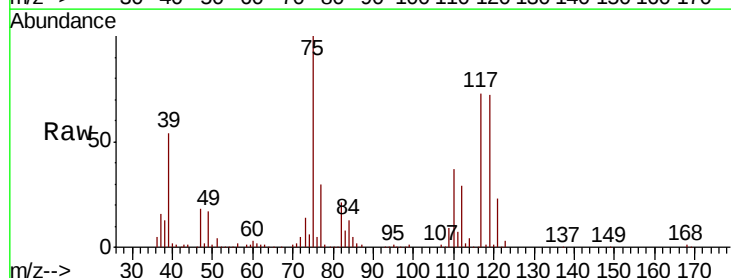
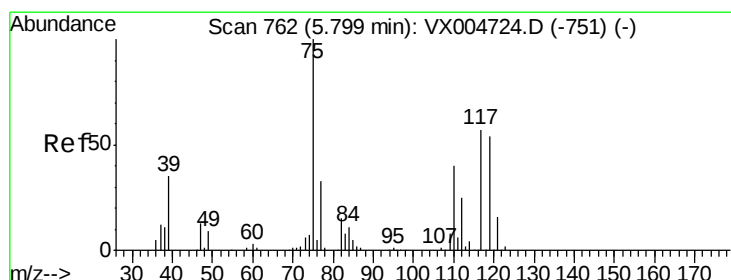
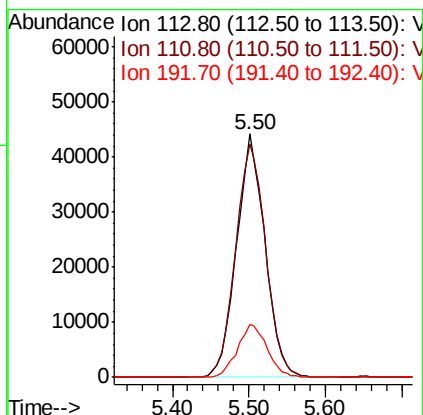
Tot Ion:113 Resp: 114197

Ion Ratio Lower Upper

113 100

111 101.3 77.0 115.4

192 22.8 17.0 25.6



#36

1,1-Dichloropropene

Concen: 51.281 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

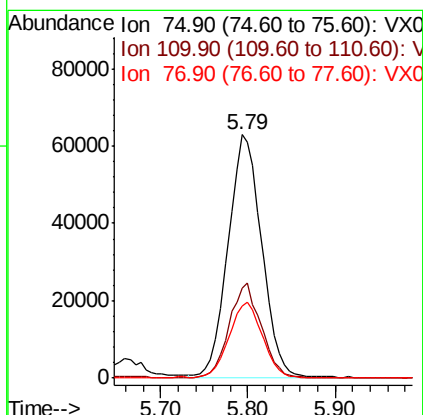
Tgt Ion: 75 Resp: 166967

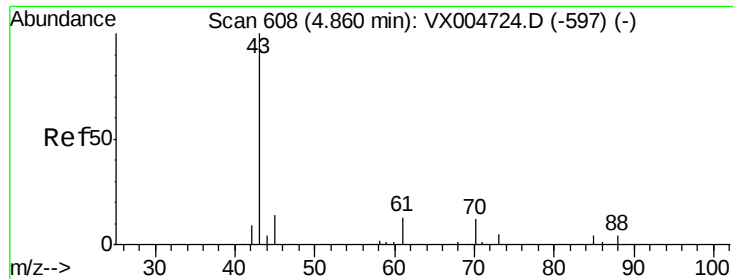
Ion Ratio Lower Upper

75 100

110 37.5 20.0 59.9

77 30.9 27.1 40.7

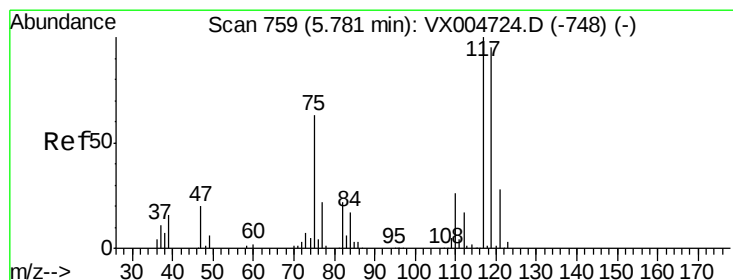
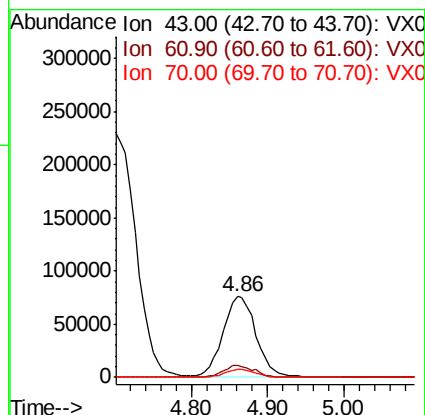
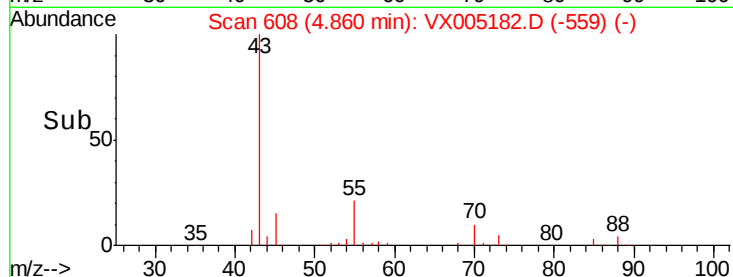
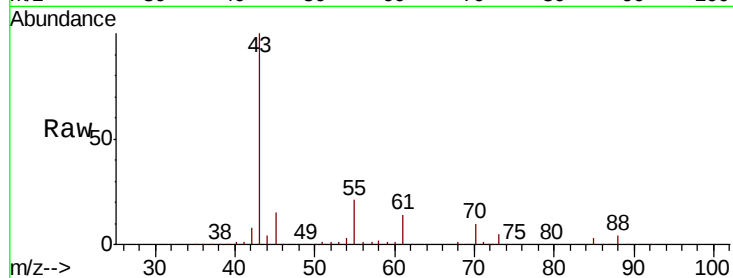




#37
Ethyl Acetate
Concen: 52.450 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

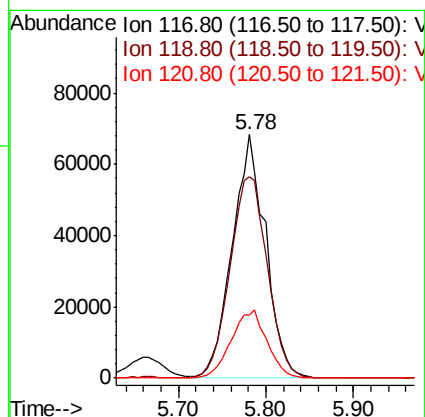
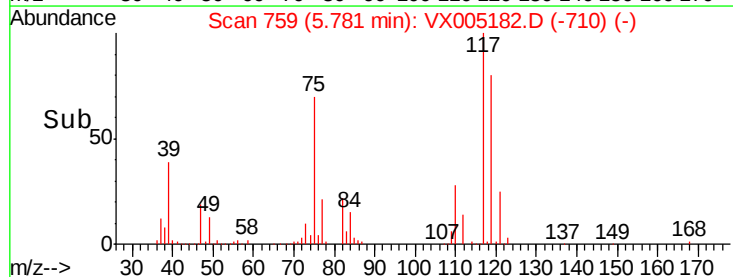
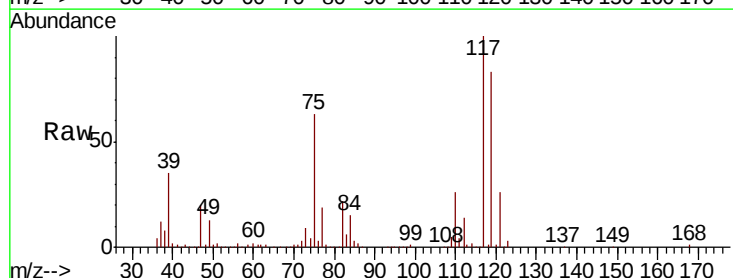
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

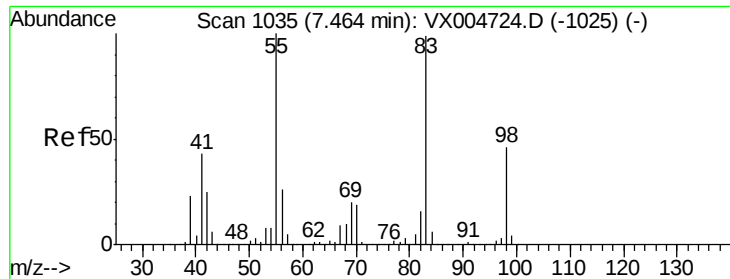
Tot Ion: 43 Resp: 226684
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 9.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 52.994 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 117 Resp: 181373
Ion Ratio Lower Upper
117 100
119 82.7 75.2 112.8
121 25.7 22.5 33.7



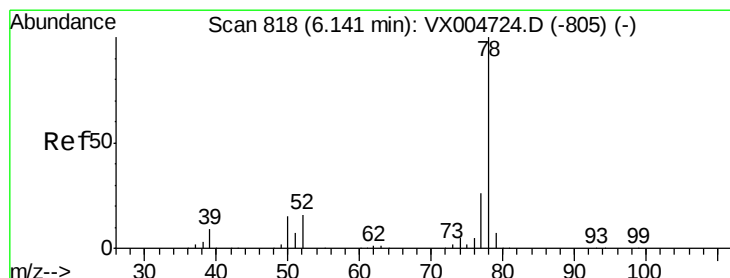
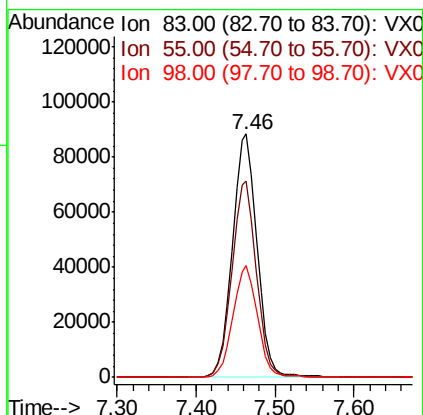
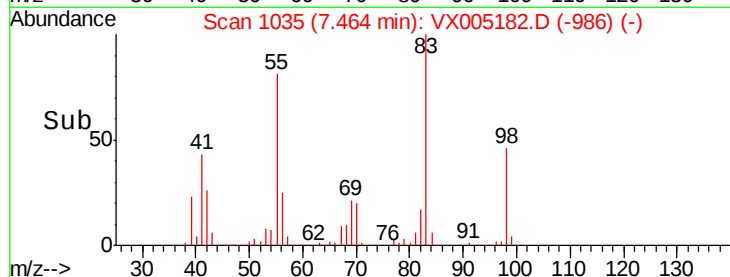
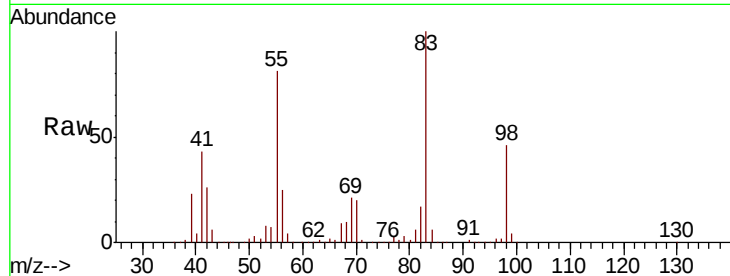


#39
Methvlcvclohexane
Concen: 57.846 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 192316

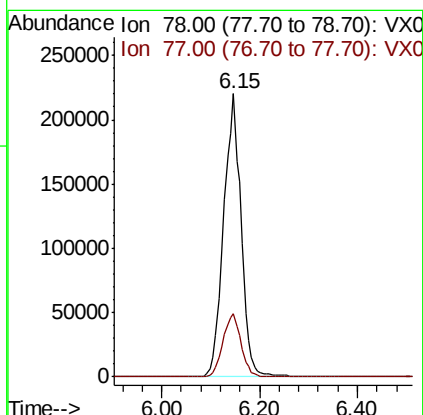
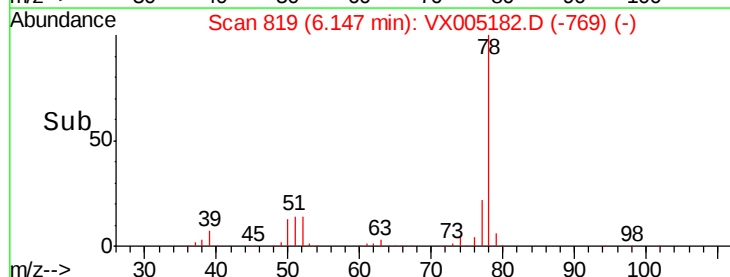
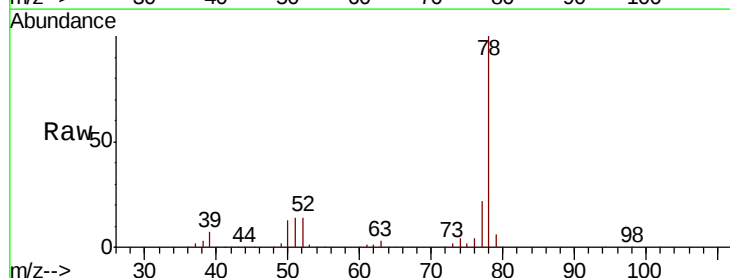
Ion	Ratio	Lower	Upper
83	100		
55	80.6	81.1	121.7#
98	45.7	37.3	55.9



#40
Benzene
Concen: 53.455 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 78 Resp: 544876

Ion	Ratio	Lower	Upper
78	100		
77	22.3	21.0	31.4





#41

Methacrylonitrile

Concen: 52.660 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 126216

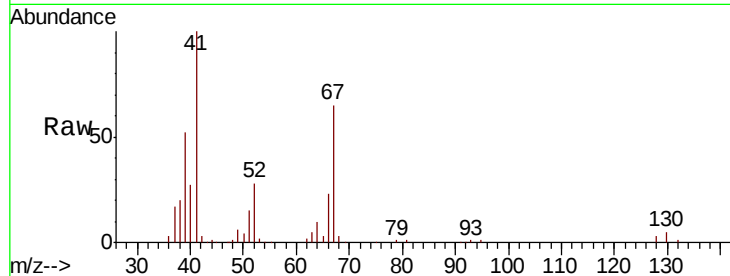
Ion Ratio Lower Upper

41 100

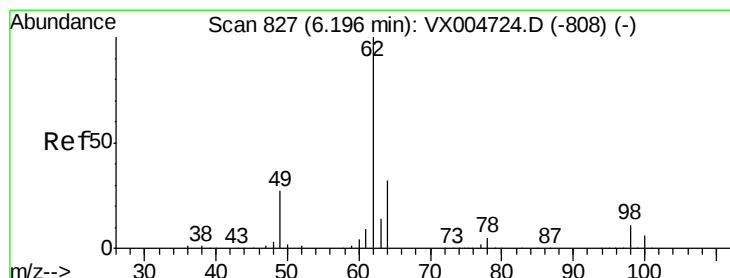
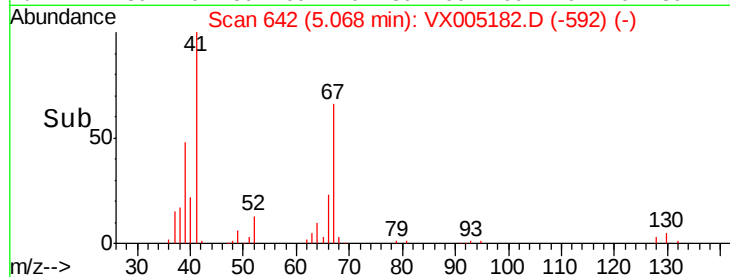
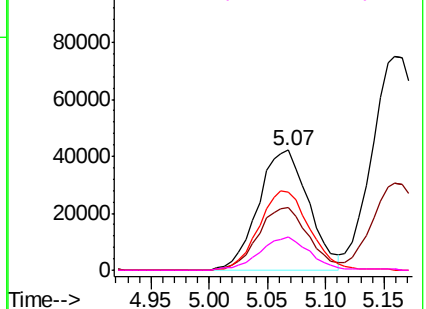
39 52.0 42.5 63.7

67 66.5 53.0 79.6

52 27.5 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: 52.059 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005182.D

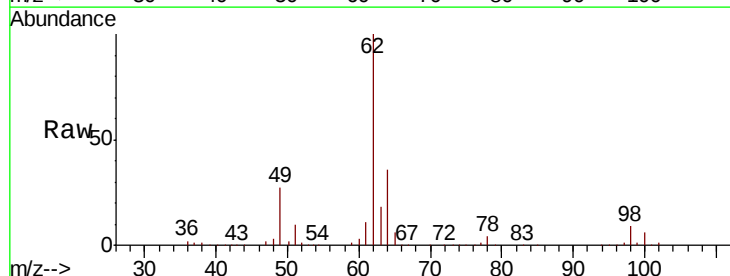
Acq: 10 Oct 2018 02:04

Tgt Ion: 62 Resp: 187589

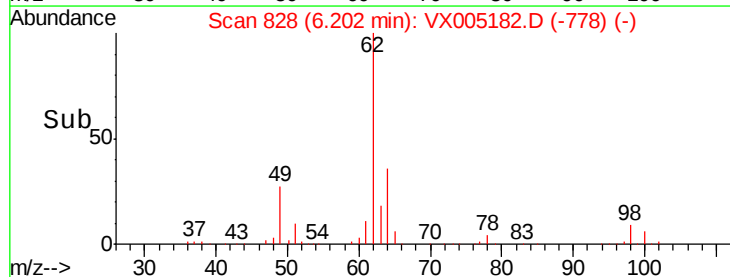
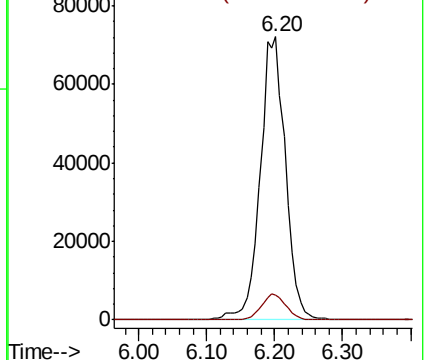
Ion Ratio Lower Upper

62 100

98 8.8 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: 53.669 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

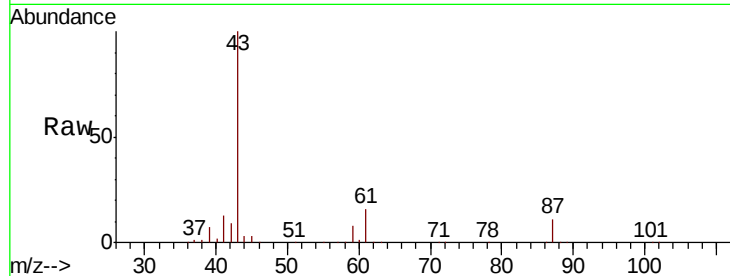
Tot Ion: 43 Resp: 334787

Ion Ratio Lower Upper

43 100

61 18.5 14.2 21.4

87 12.2 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

6.46

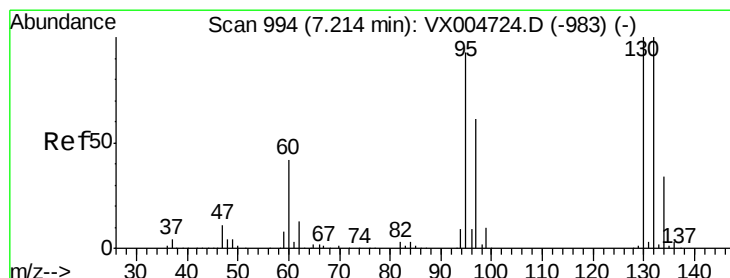
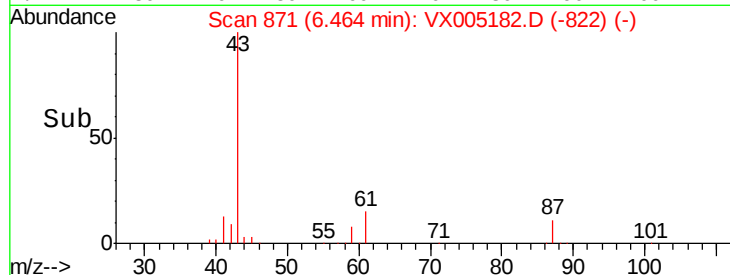
150000

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 54.339 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005182.D

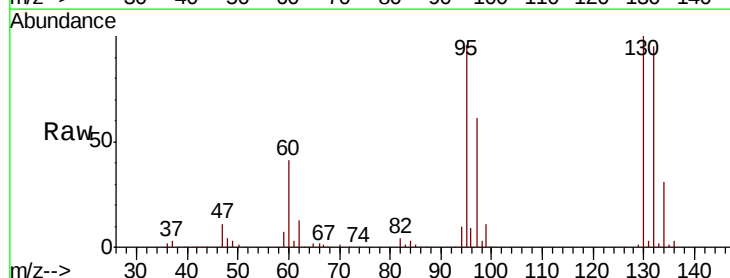
Acq: 10 Oct 2018 02:04

Tgt Ion:130 Resp: 136165

Ion Ratio Lower Upper

130 100

95 95.6 0.0 186.8



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

7.21

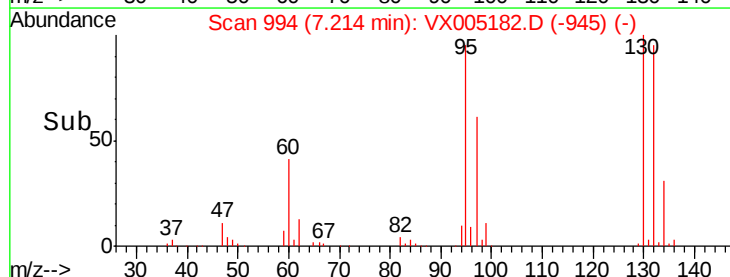
60000

40000

20000

0

Time-->





#45

1,2-Dichloropropane

Concen: 53.621 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

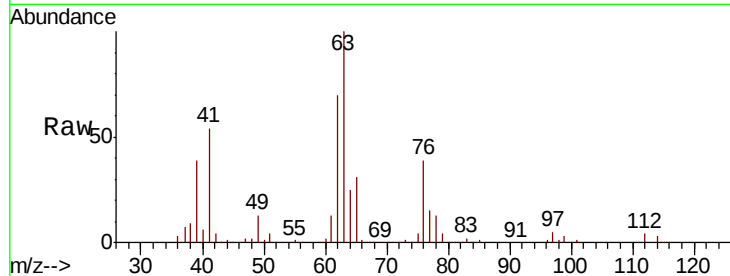
VSTDCCC050

Tot Ion: 63 Resp: 134036

Ion Ratio Lower Upper

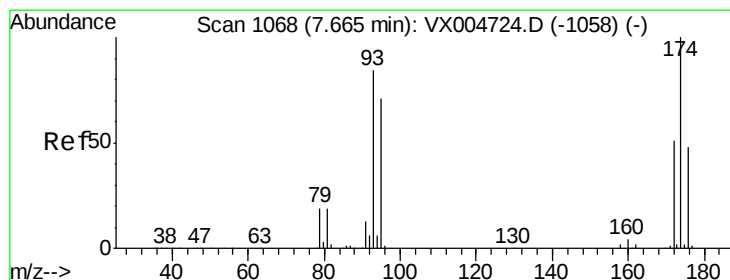
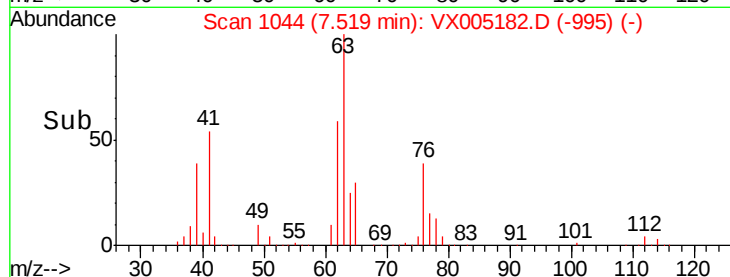
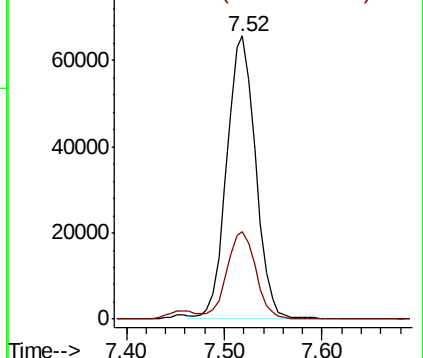
63 100

65 30.9 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 56.135 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

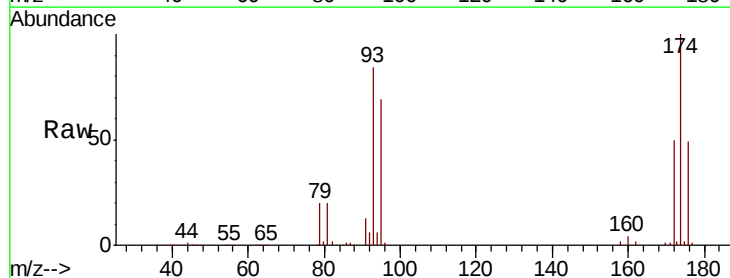
Tgt Ion: 93 Resp: 88186

Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

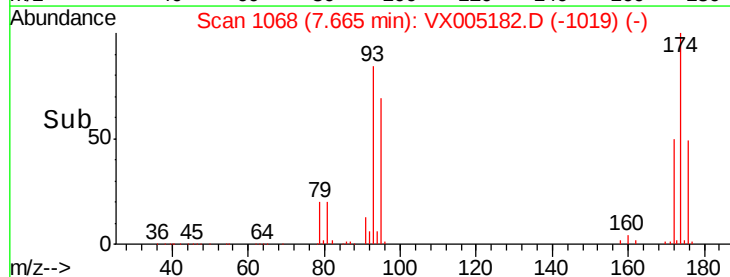
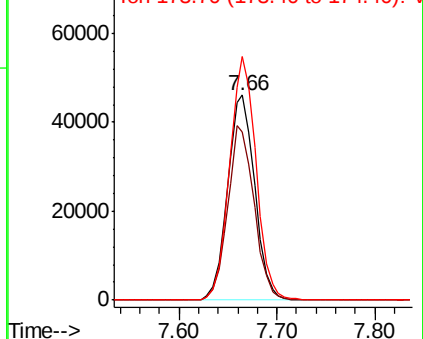
174 116.3 92.7 139.1

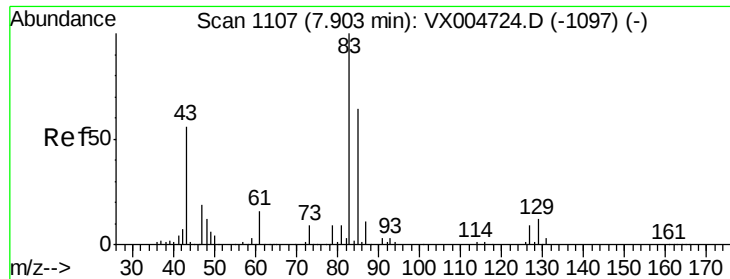


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

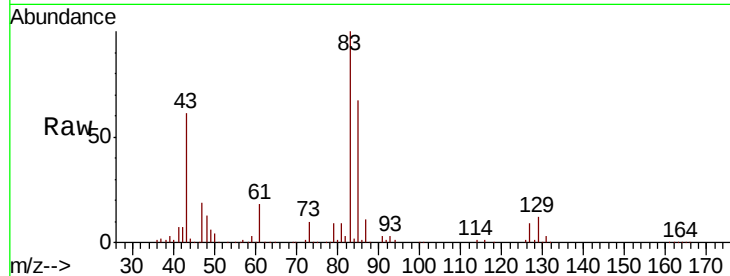




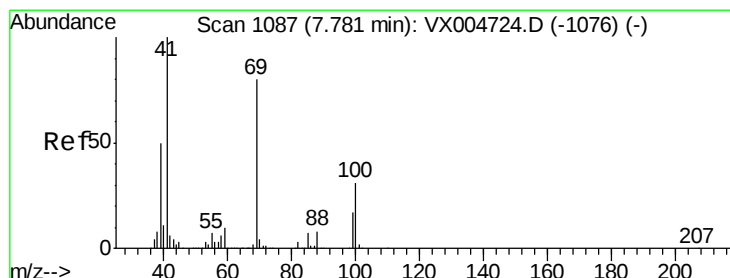
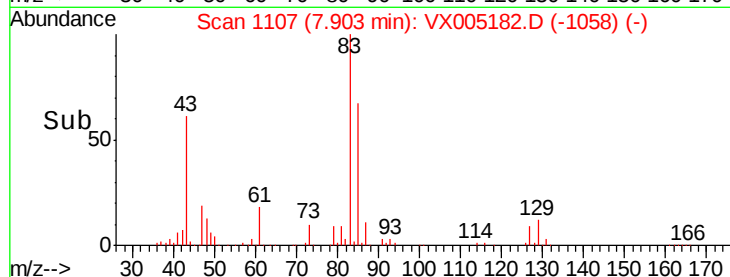
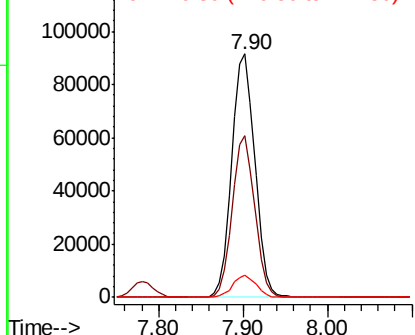
#47
Bromodichloromethane
Concen: 57.717 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 169762
Ion Ratio Lower Upper
83 100
85 66.6 51.2 76.8
127 8.9 7.0 10.6

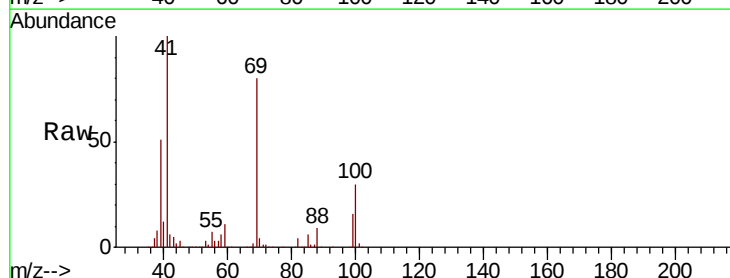


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V

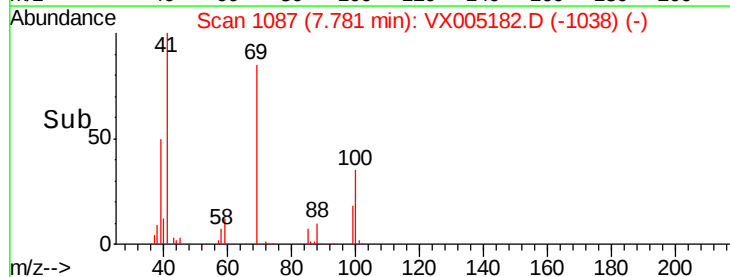
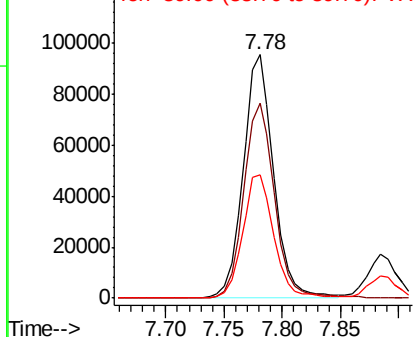


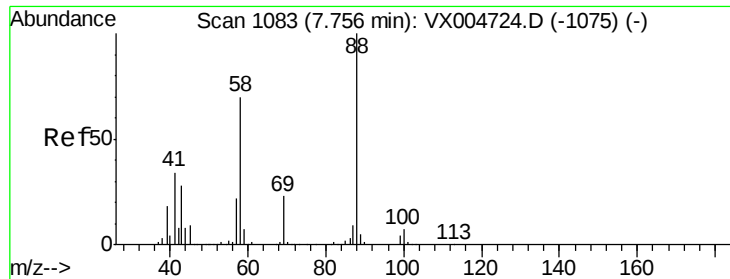
#48
Methyl methacrylate
Concen: 61.012 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 41 Resp: 172747
Ion Ratio Lower Upper
41 100
69 82.0 63.8 95.6
39 52.0 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: 1127.241 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

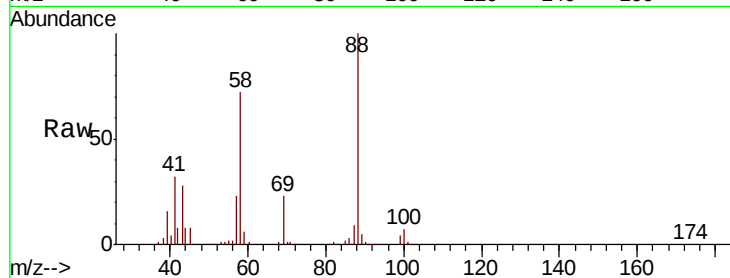
Tot Ion: 88 Resp: 79292

Ion Ratio Lower Upper

88 100

43 33.6 25.1 37.7

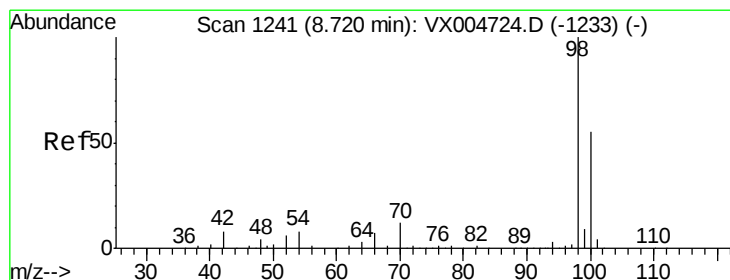
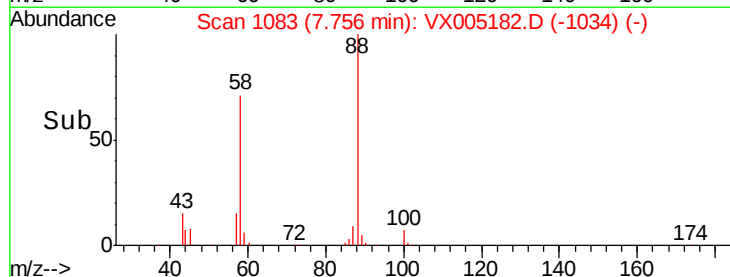
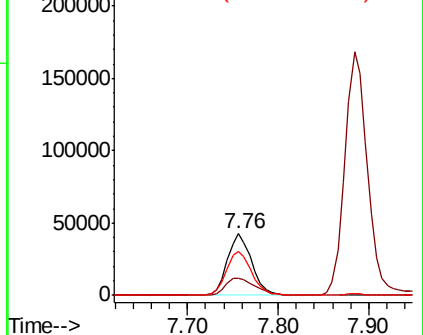
58 74.0 56.2 84.2



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: 51.631 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005182.D

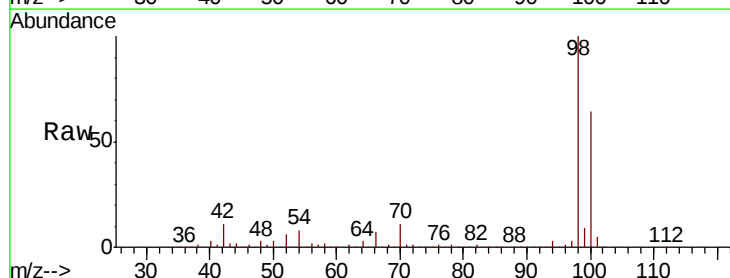
Acq: 10 Oct 2018 02:04

Tgt Ion: 98 Resp: 409618

Ion Ratio Lower Upper

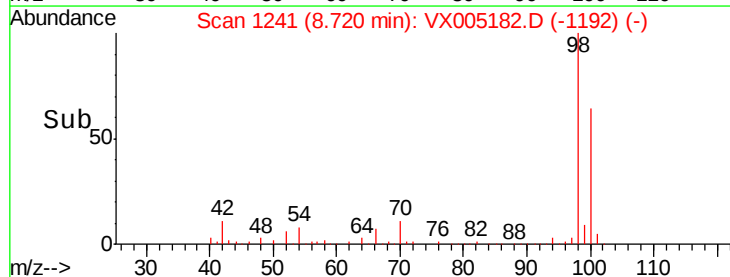
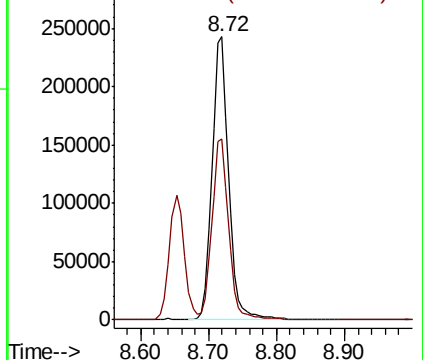
98 100

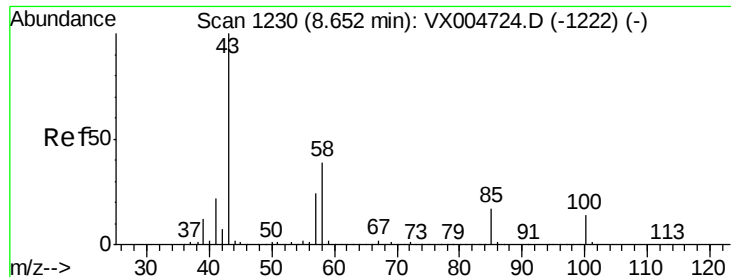
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

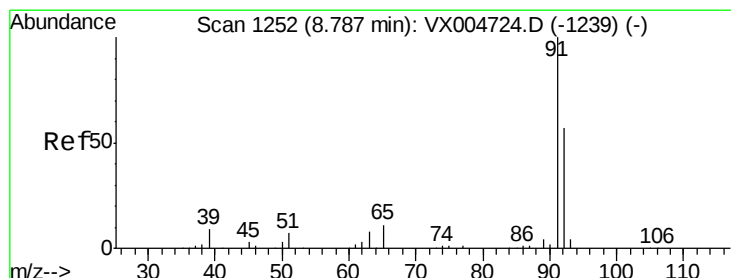
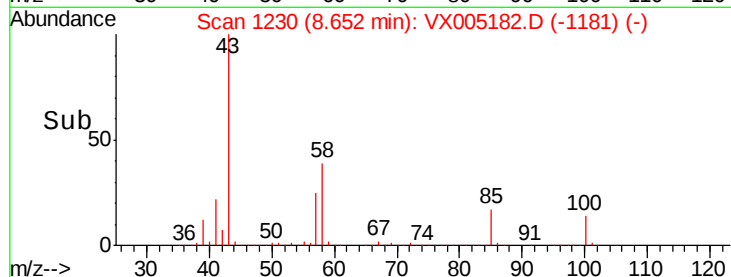
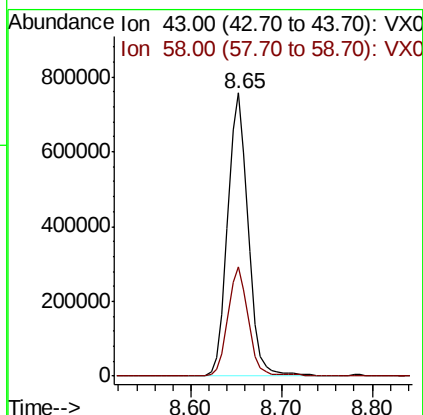
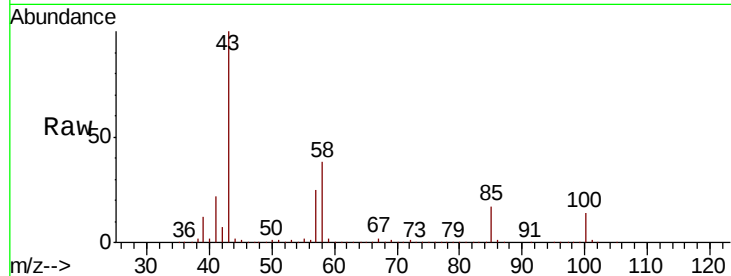




#51
4-Methyl-2-Pentanone
Concen: 303.703 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

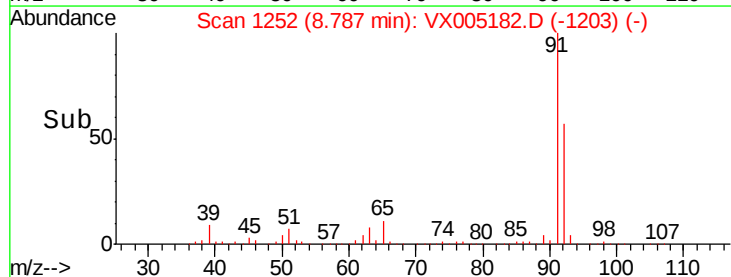
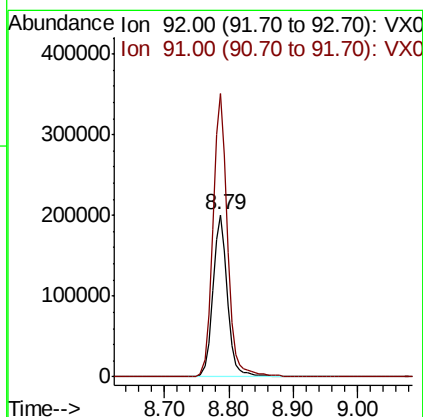
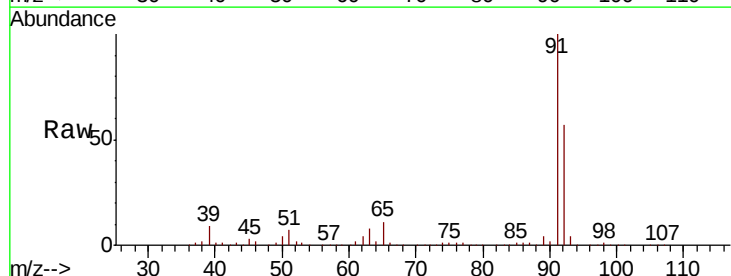
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

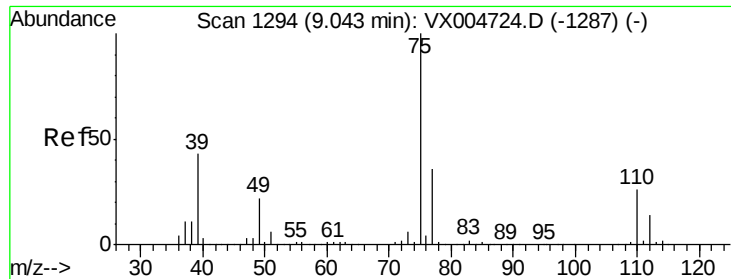
Tot Ion: 43 Resp: 1192866
Ion Ratio Lower Upper
43 100
58 38.4 30.5 45.7



#52
Toluene
Concen: 56.806 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 92 Resp: 318170
Ion Ratio Lower Upper
92 100
91 175.6 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 54.133 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

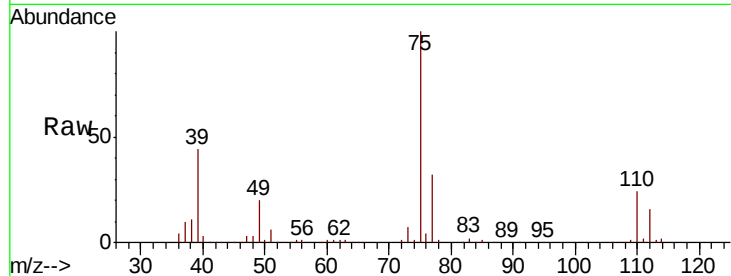
VSTDCCC050

Tot Ion: 75 Resp: 179925

Ion Ratio Lower Upper

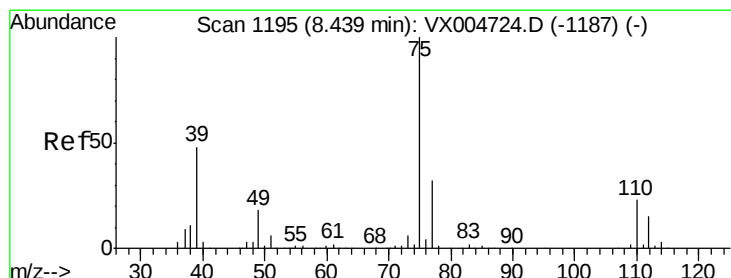
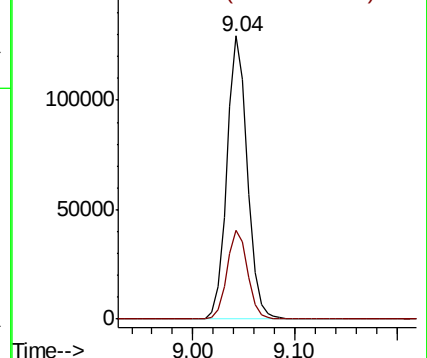
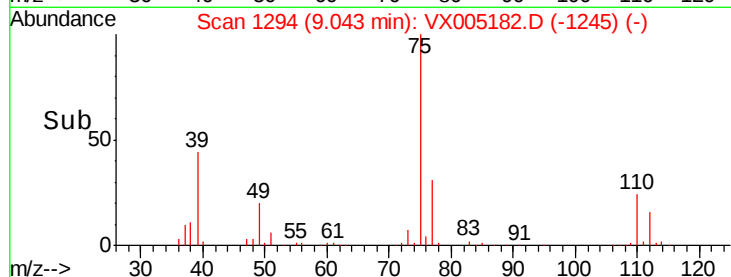
75 100

77 31.5 28.9 43.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 55.818 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

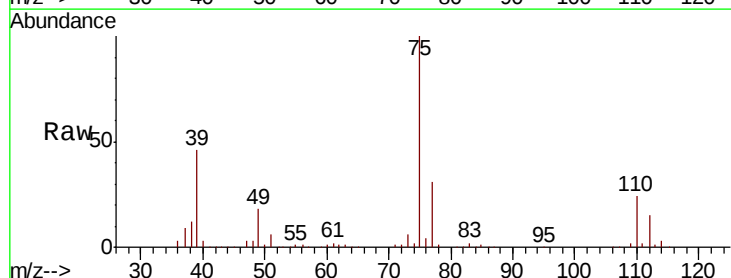
Tgt Ion: 75 Resp: 194323

Ion Ratio Lower Upper

75 100

77 31.4 25.7 38.5

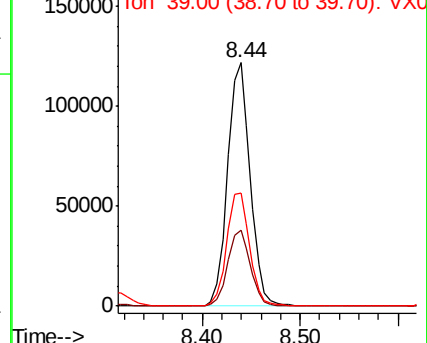
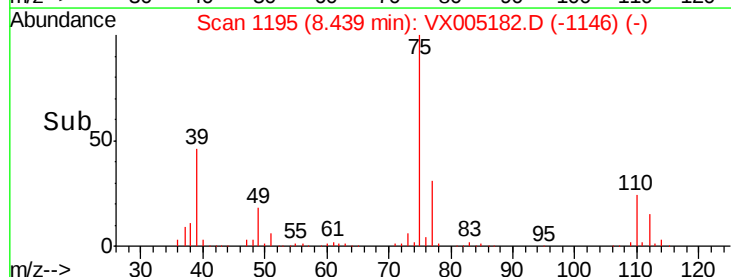
39 46.4 38.3 57.5



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





#55

1,1,2-Trichloroethane

Concen: 53.544 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 131368

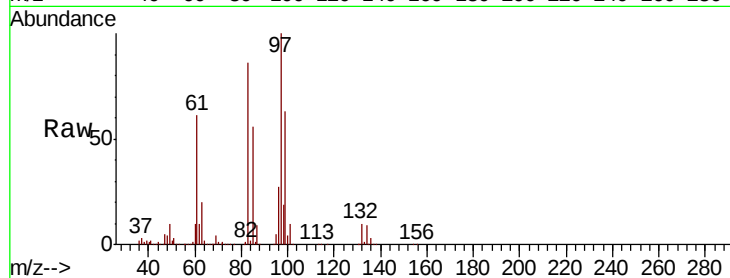
Ion Ratio Lower Upper

97 100

83 85.6 68.2 102.2

85 55.9 49.9 74.9

99 63.0 48.9 73.3

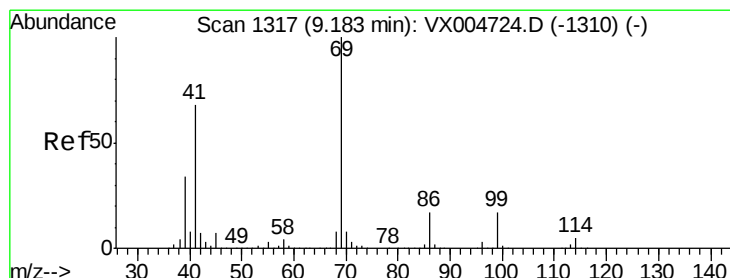
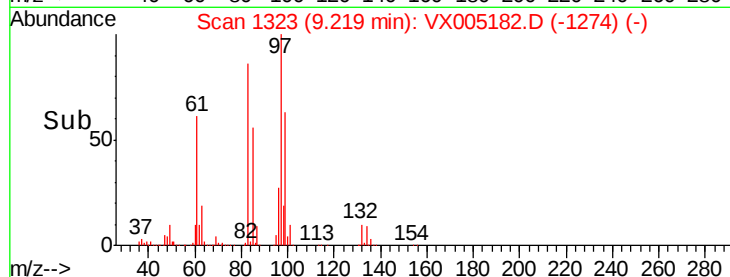
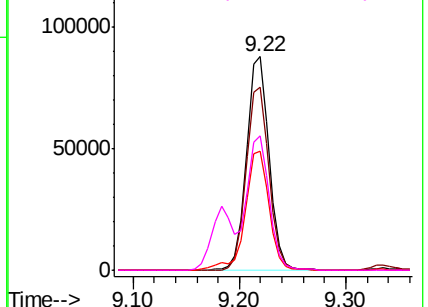


Abundance Ion 96.90 (96.60 to 97.60): VX0

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: 51.750 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

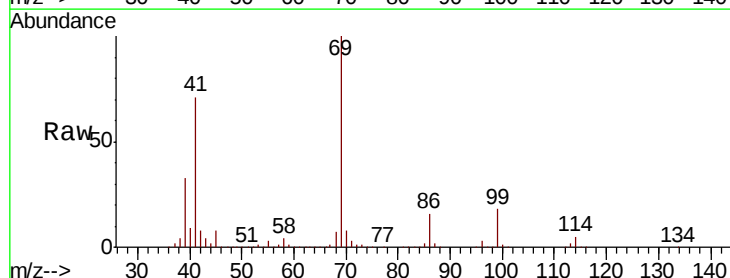
Tgt Ion: 69 Resp: 206452

Ion Ratio Lower Upper

69 100

41 69.6 56.9 85.3

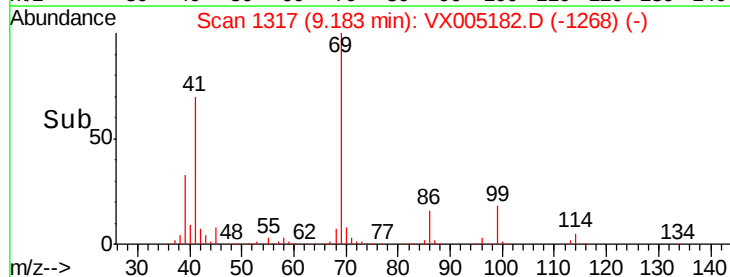
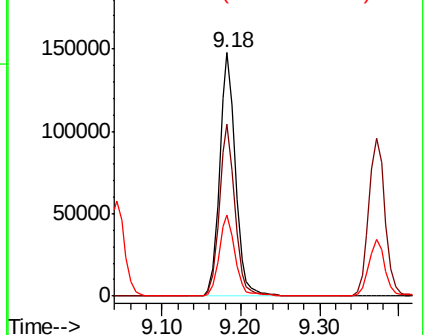
39 33.7 28.4 42.6



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: 54.064 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

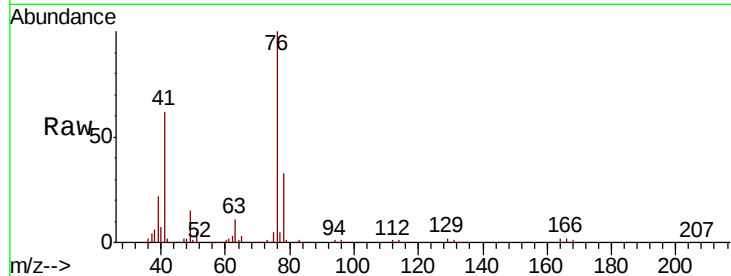
VSTDCCC050

Tot Ion: 76 Resp: 220760

Ion Ratio Lower Upper

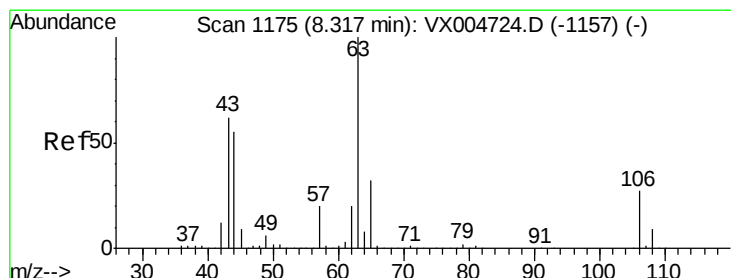
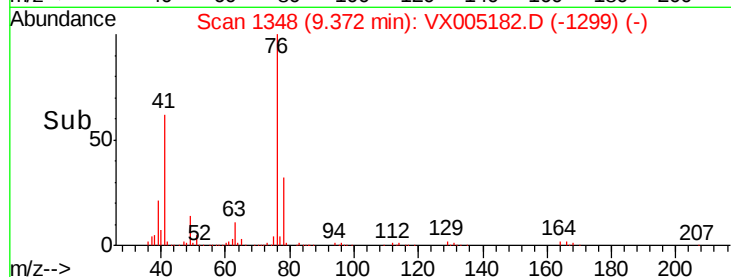
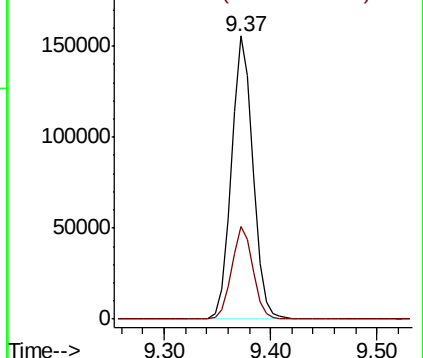
76 100

78 32.4 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: 247.948 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005182.D

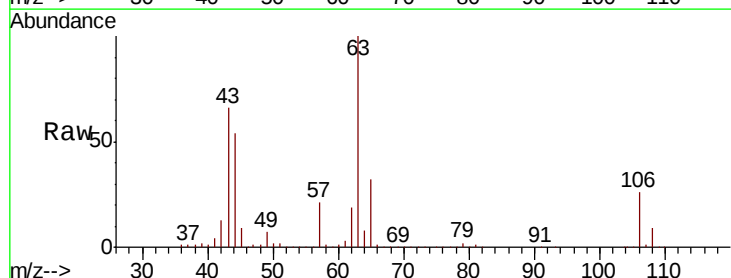
Acq: 10 Oct 2018 02:04

Tgt Ion: 63 Resp: 523896

Ion Ratio Lower Upper

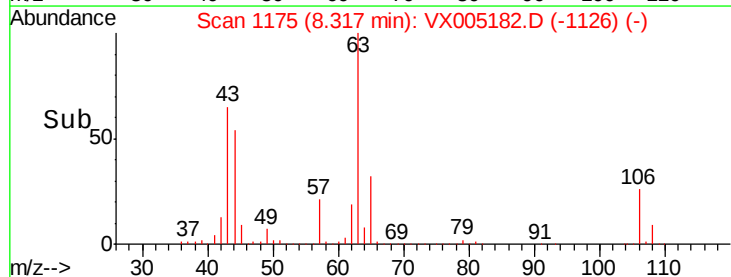
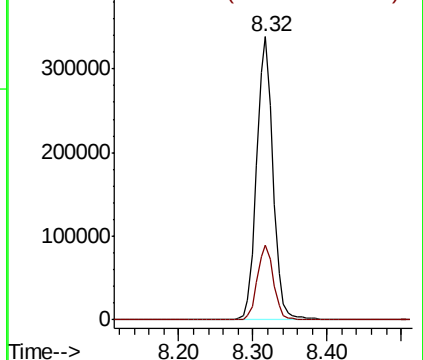
63 100

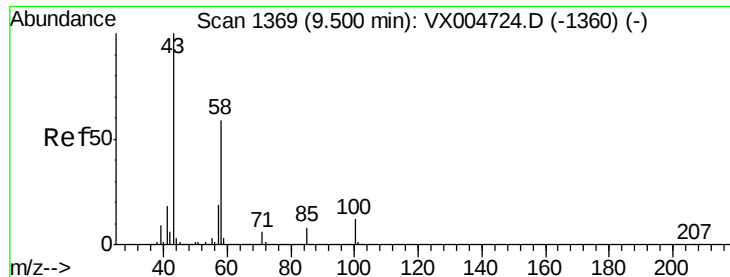
106 26.4 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

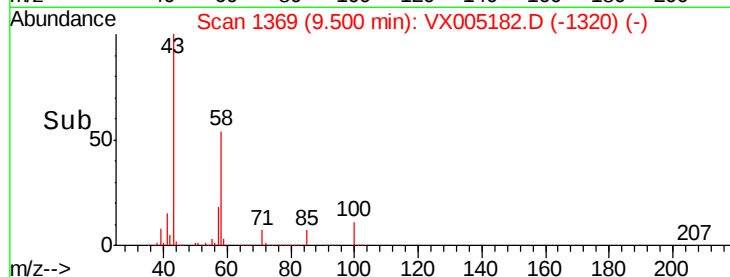
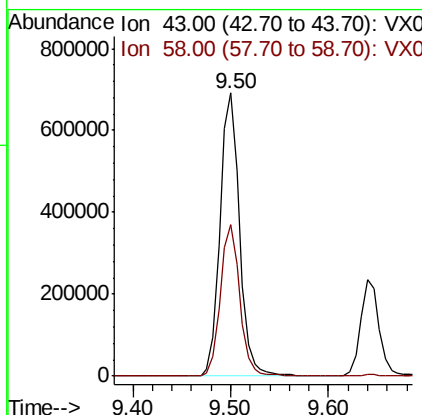
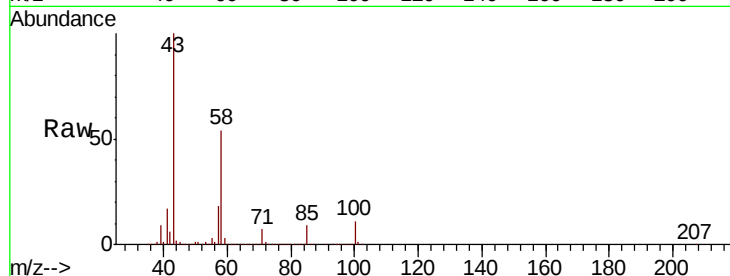




#59
2-Hexanone
Concen: 292.632 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

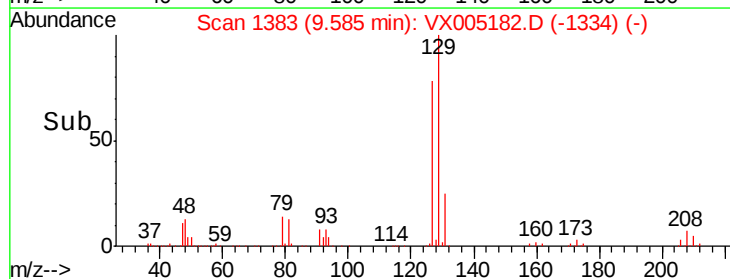
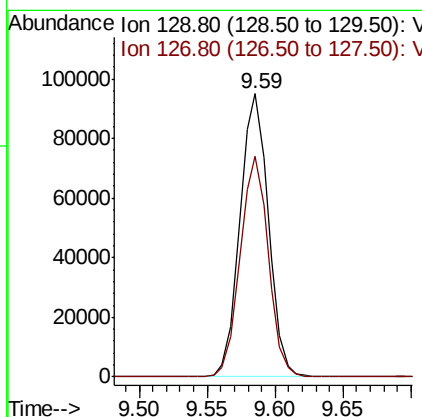
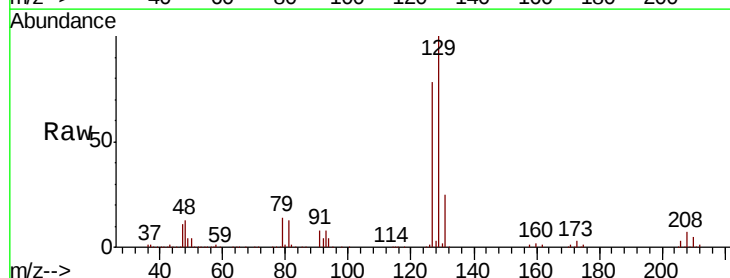
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

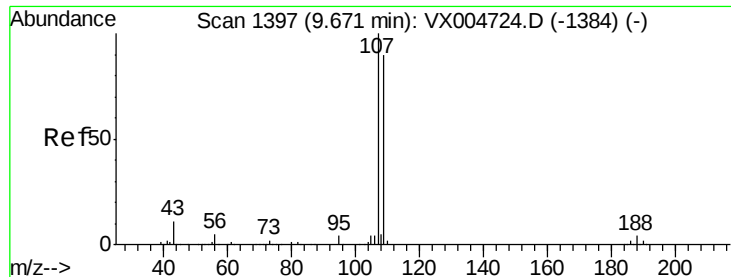
Tot Ion: 43 Resp: 957802
Ion Ratio Lower Upper
43 100
58 53.3 28.4 85.3



#60
Dibromochloromethane
Concen: 56.608 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion:129 Resp: 138895
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.998 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

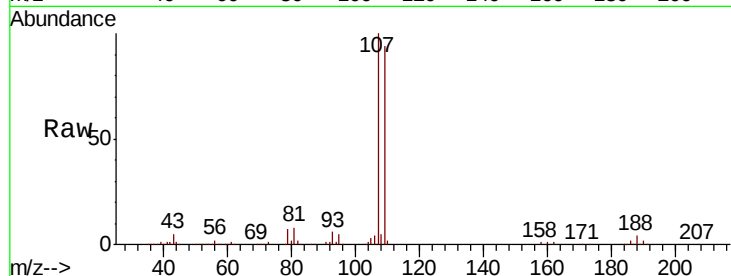
VSTDCCC050

Tot Ion:107 Resp: 139253

Ion Ratio Lower Upper

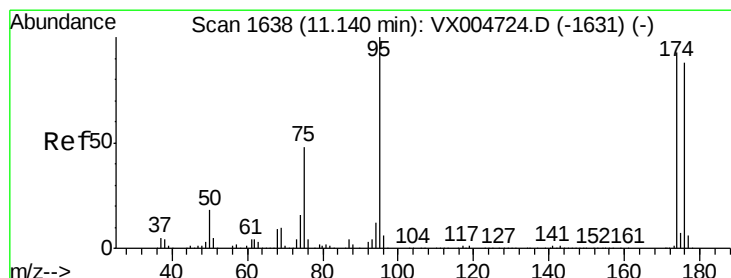
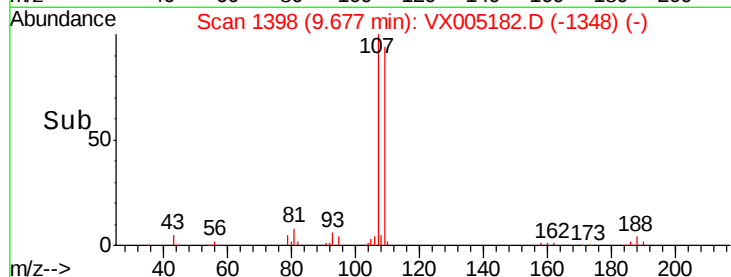
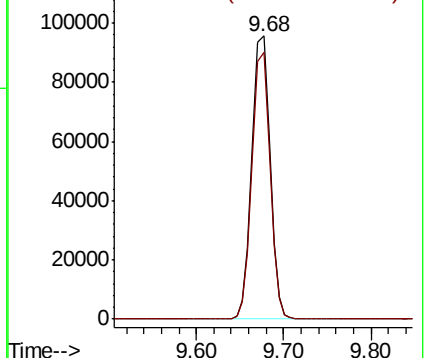
107 100

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: 54.846 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

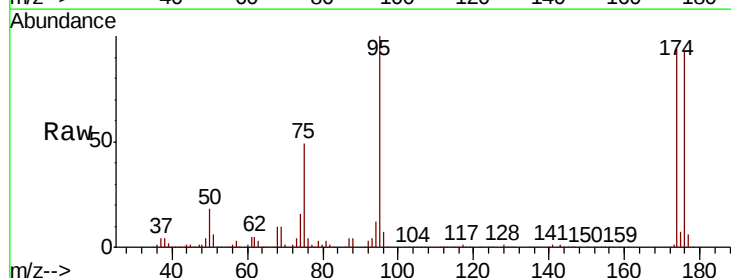
Tgt Ion: 95 Resp: 156756

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.0

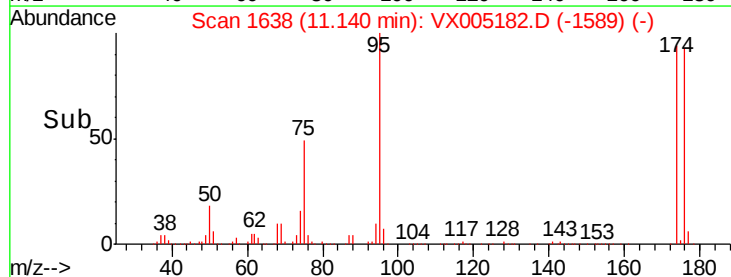
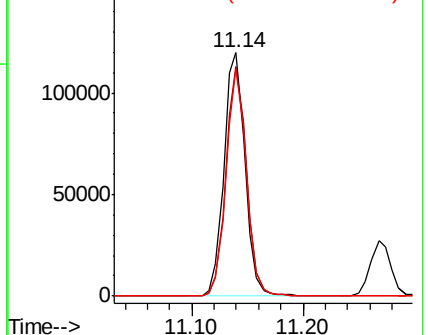
176 89.8 0.0 180.2

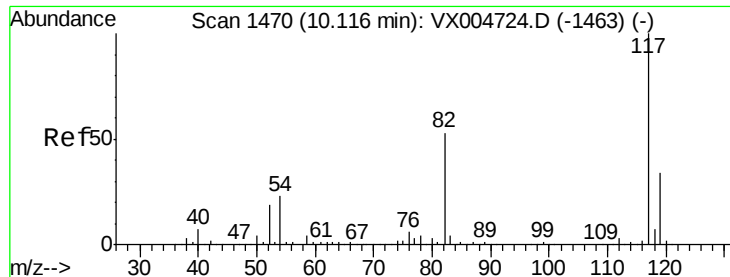


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

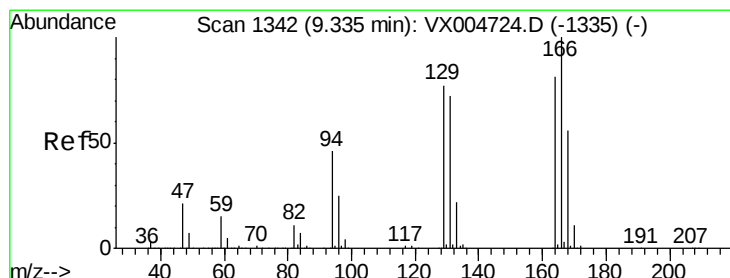
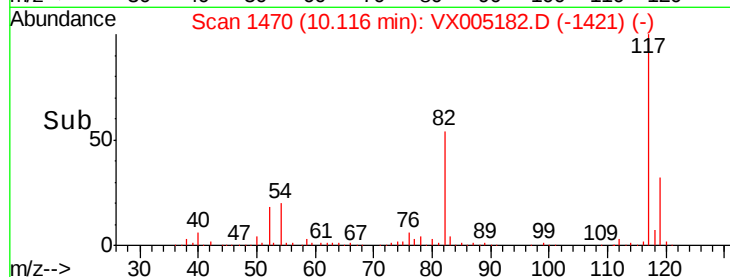
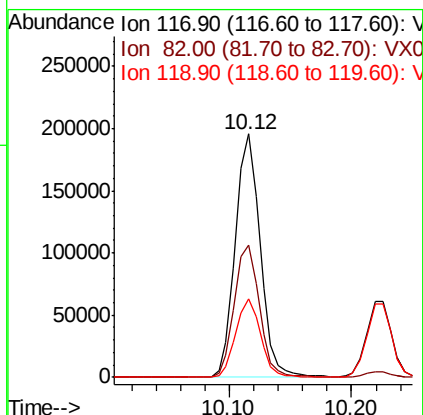
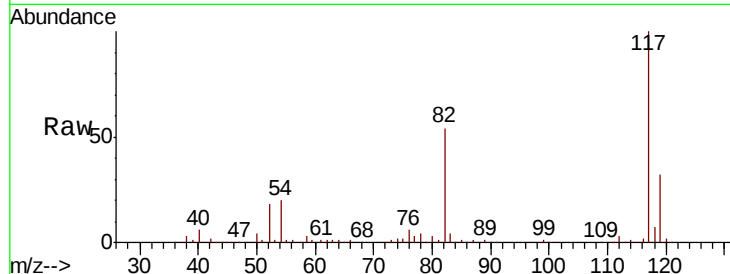




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

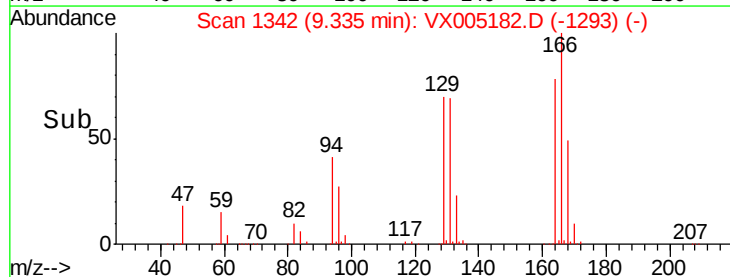
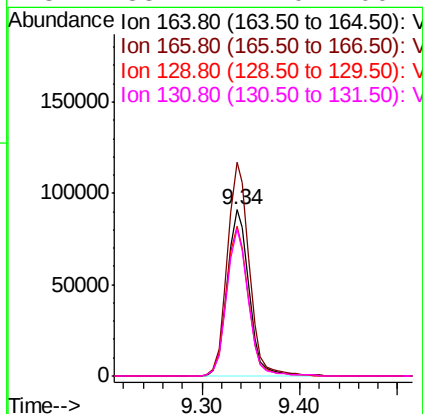
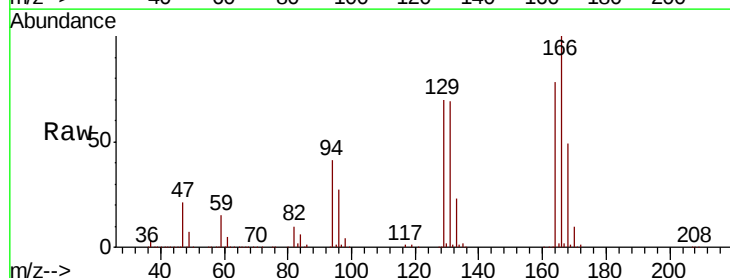
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 275875
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 32.3 27.4 41.0



#64
Tetrachloroethene
Concen: 52.153 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion:164 Resp: 141605
Ion Ratio Lower Upper
164 100
166 128.4 98.4 147.6
129 90.0 76.1 114.1
131 88.4 71.0 106.4





#65

Chlorobenzene

Concen: 50.412 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

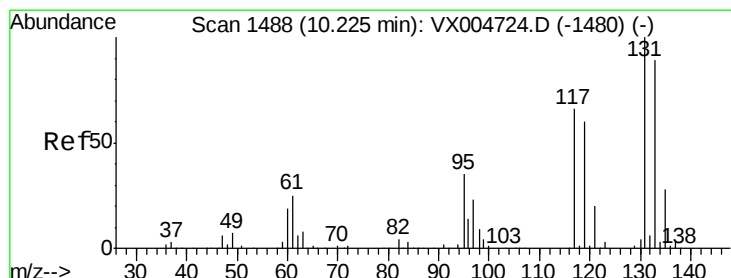
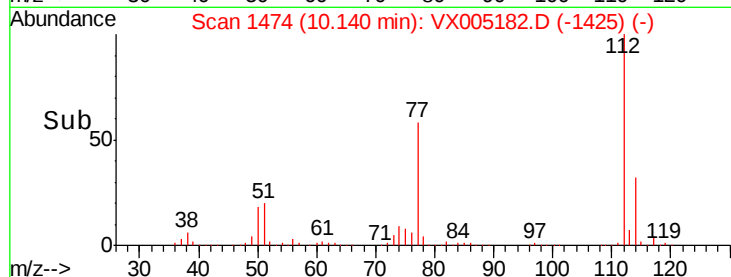
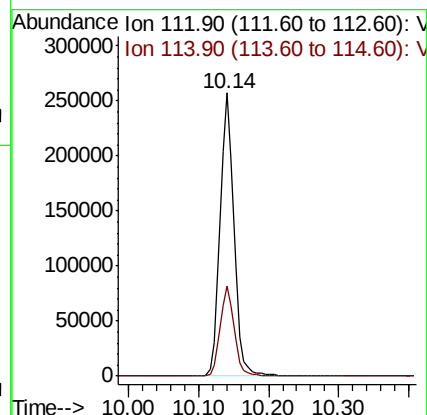
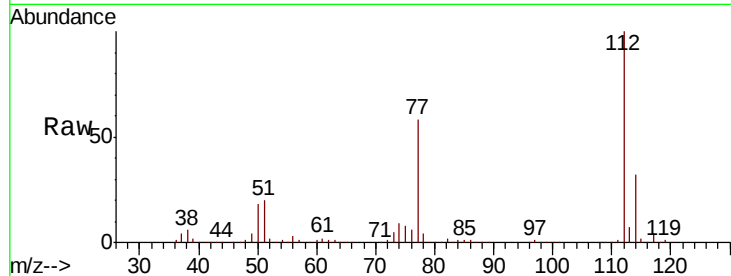
VSTDCCC050

Tot Ion:112 Resp: 356625

Ion Ratio Lower Upper

112 100

114 31.8 26.7 40.1



#66

1,1,1,2-Tetrachloroethane

Concen: 52.750 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

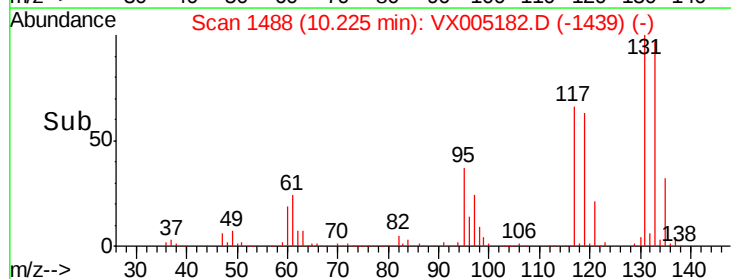
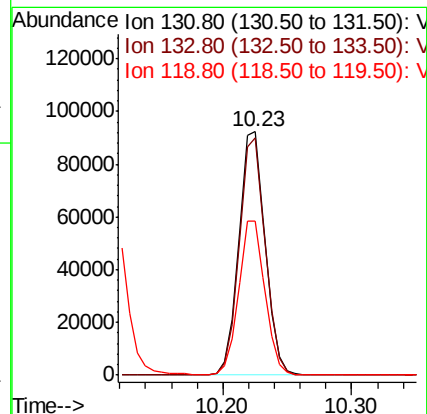
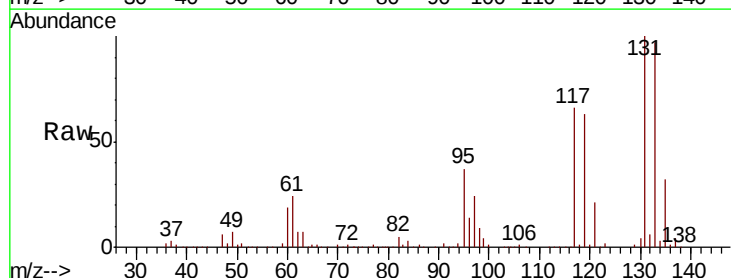
Tgt Ion:131 Resp: 131190

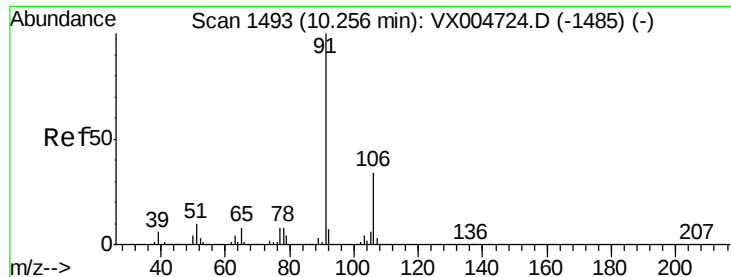
Ion Ratio Lower Upper

131 100

133 96.1 48.4 145.0

119 63.6 32.3 96.8

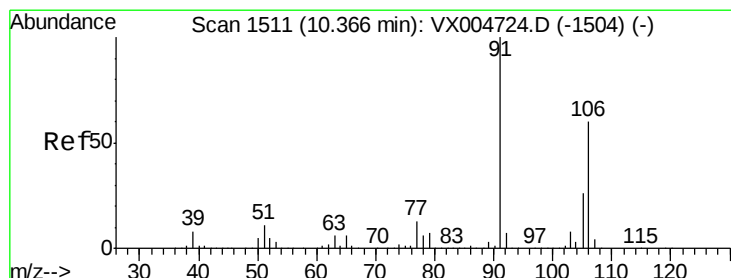
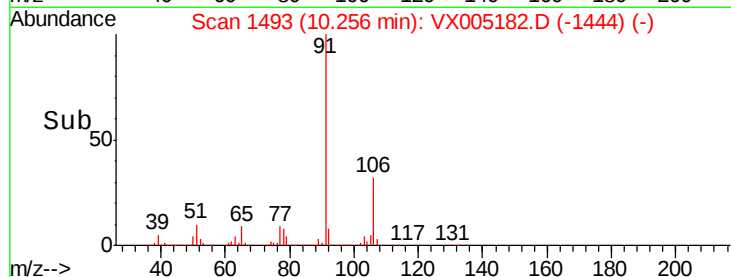
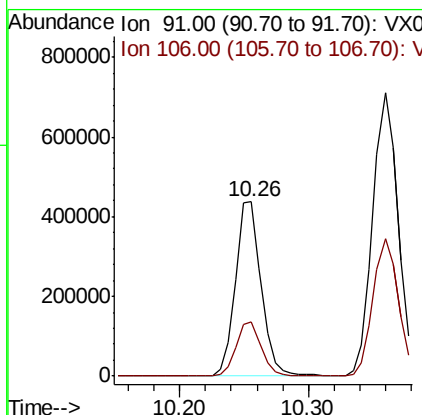
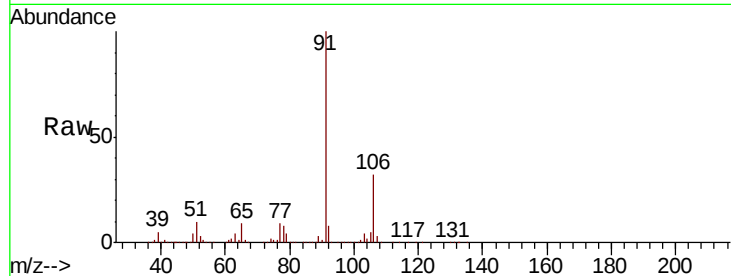




#67
Ethyl Benzene
Concen: 54.491 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

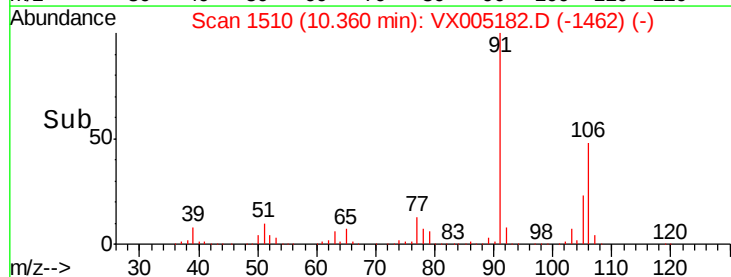
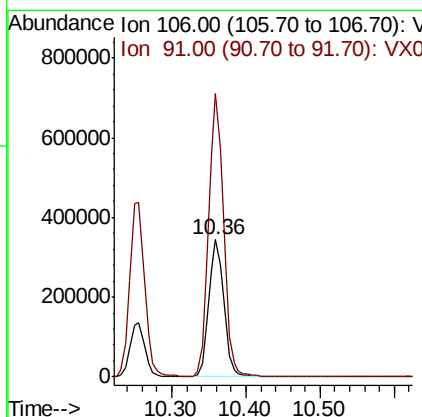
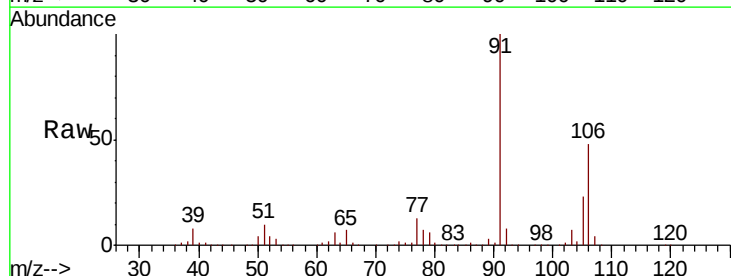
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 612002
Ion Ratio Lower Upper
91 100
106 31.5 26.9 40.3



#68
m/p-Xylenes
Concen: 108.718 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 106 Resp: 477147
Ion Ratio Lower Upper
106 100
91 205.4 157.5 236.3

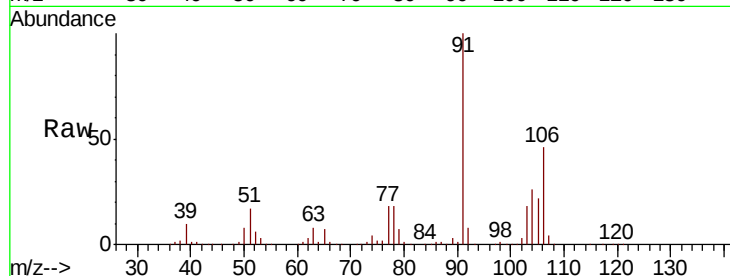




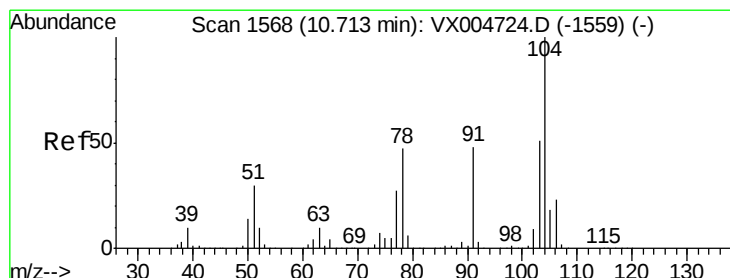
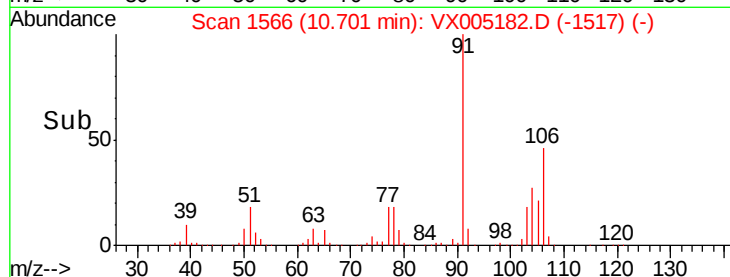
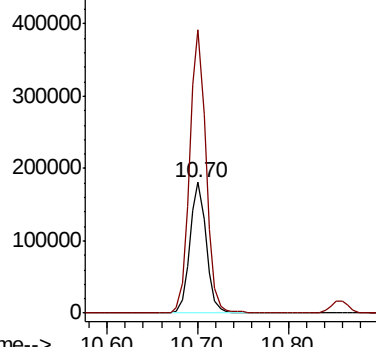
#69
o-Xylene
Concen: 56.819 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 229046
Ion Ratio Lower Upper
106 100
91 217.0 108.3 324.8

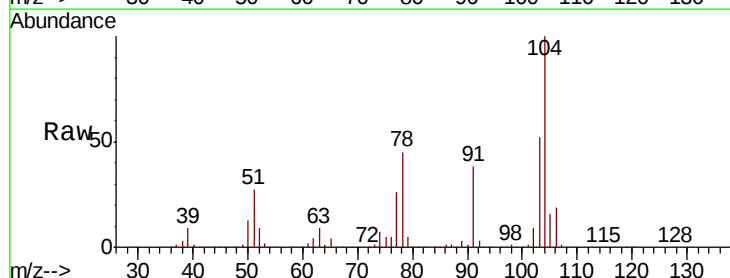


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

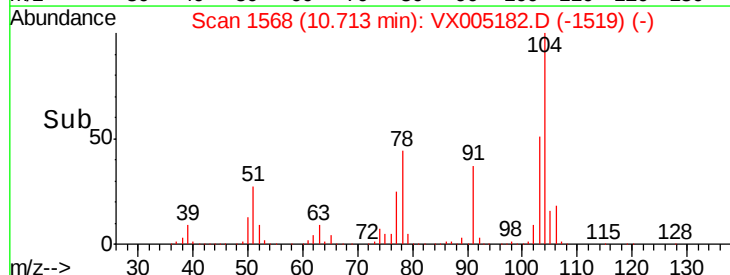
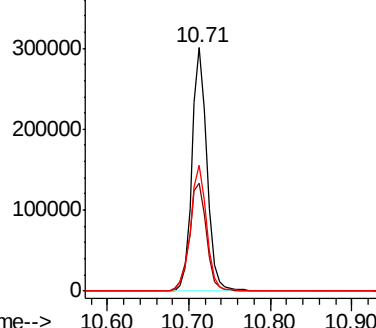


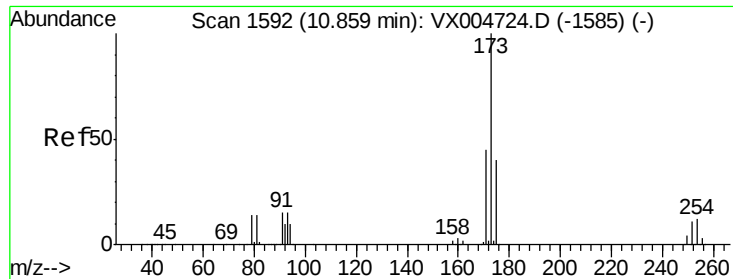
#70
Styrene
Concen: 51.543 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion:104 Resp: 389128
Ion Ratio Lower Upper
104 100
78 50.7 40.0 60.0
103 55.9 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: 54.366 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

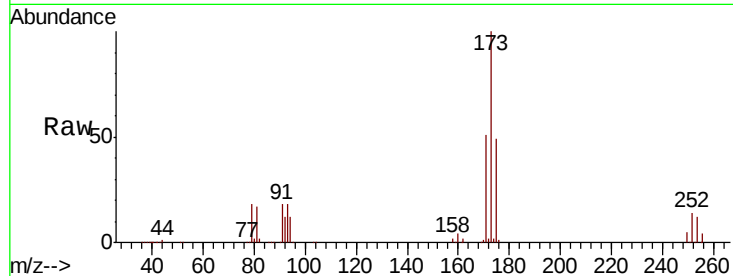
Tot Ion:173 Resp: 115755

Ion Ratio Lower Upper

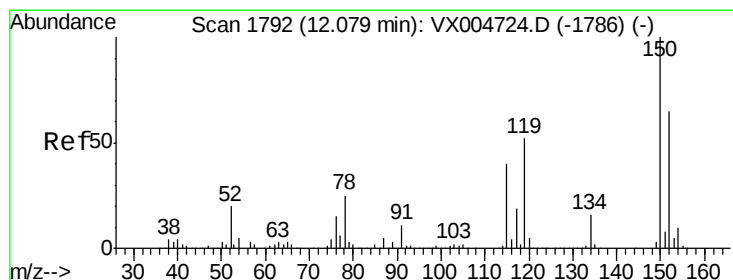
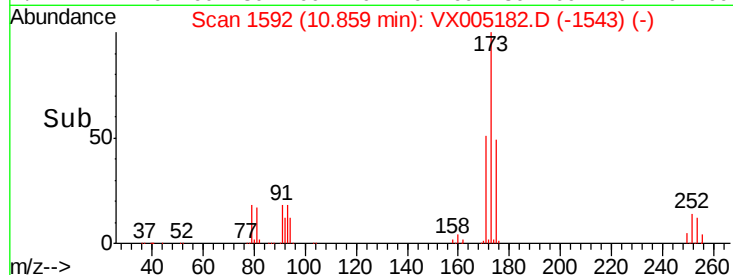
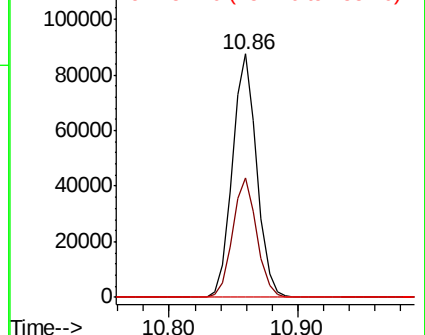
173 100

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: VX005182.D

Acq: 10 Oct 2018 02:04

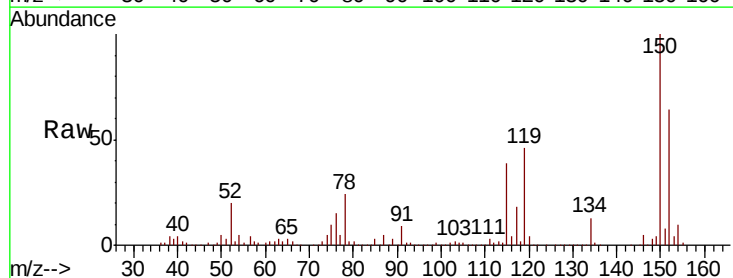
Tgt Ion:152 Resp: 175393

Ion Ratio Lower Upper

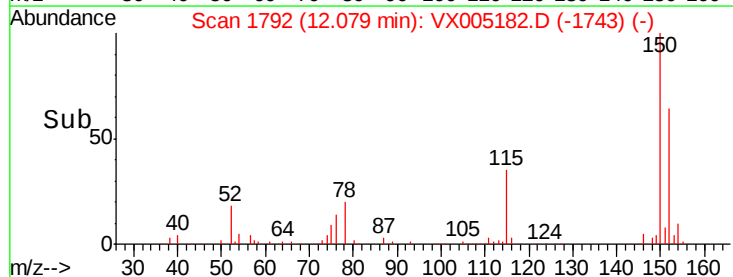
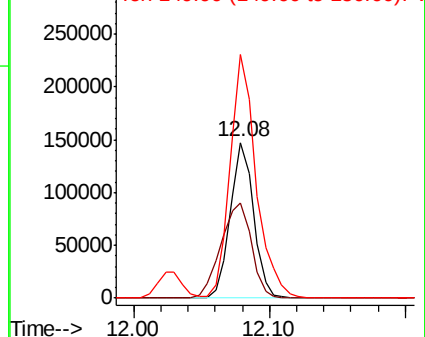
152 100

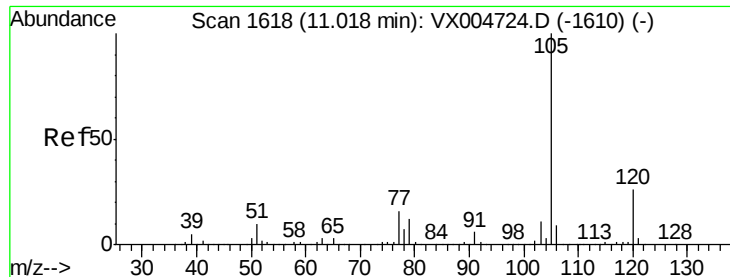
115 80.5 40.2 120.6

150 175.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.563 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

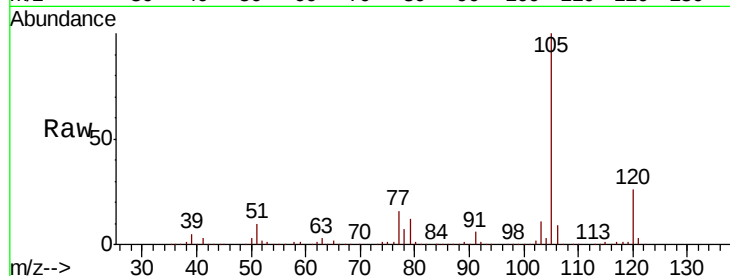
VSTDCCC050

Tot Ion:105 Resp: 625314

Ion Ratio Lower Upper

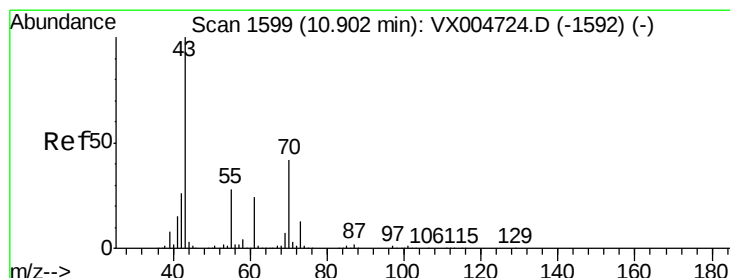
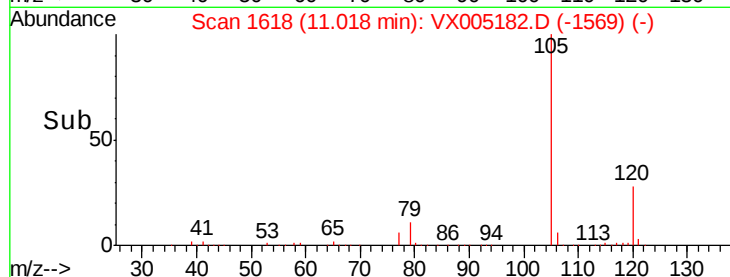
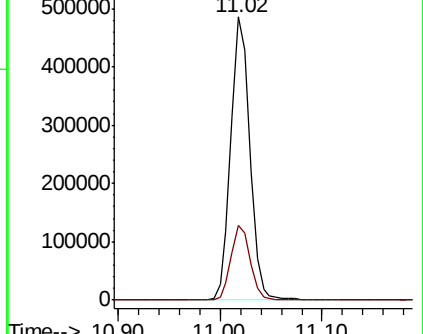
105 100

120 26.5 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: 49.560 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Tgt Ion: 43 Resp: 301049

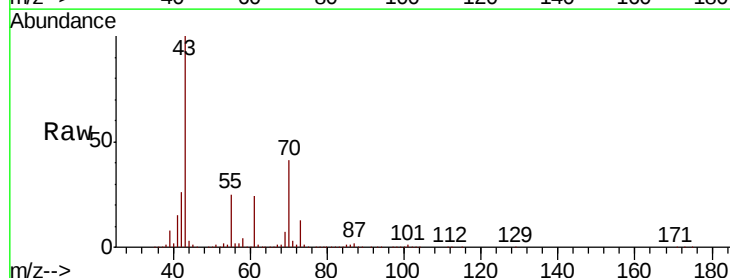
Ion Ratio Lower Upper

43 100

70 40.0 32.6 48.8

55 25.2 21.6 32.4

61 23.7 19.1 28.7

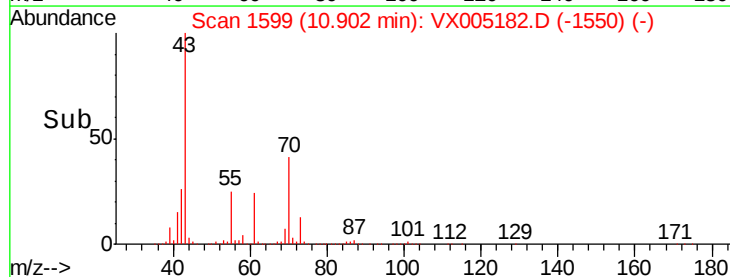
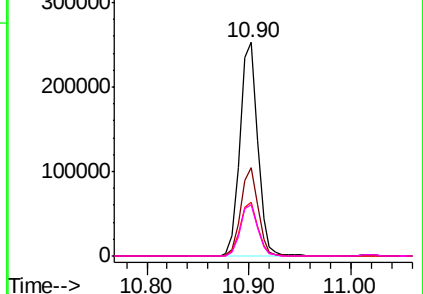


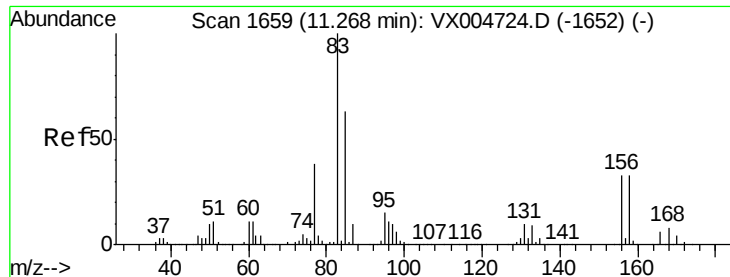
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

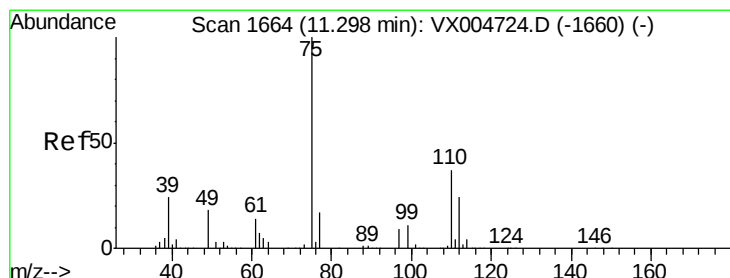
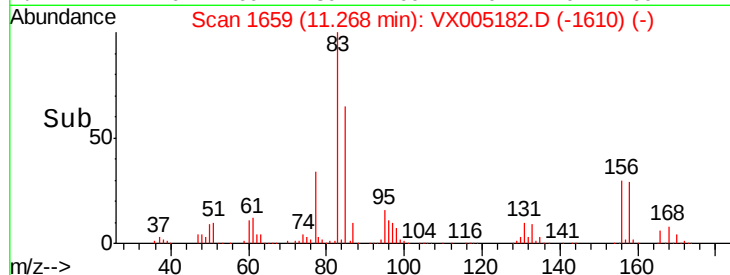
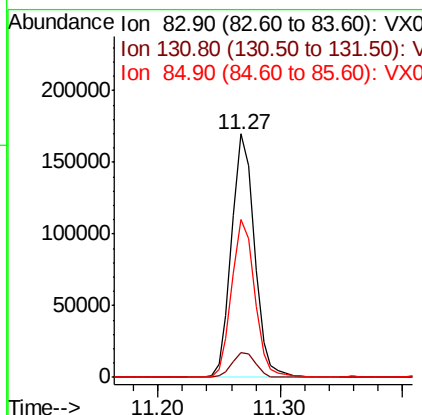
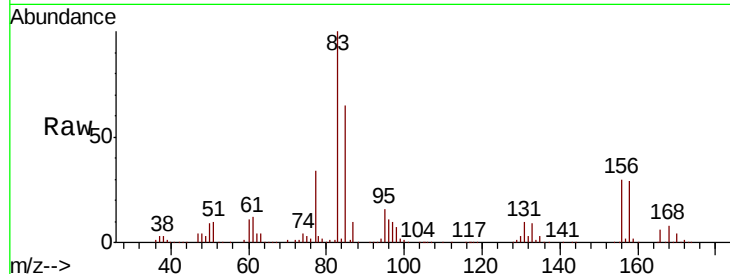




#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.053 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

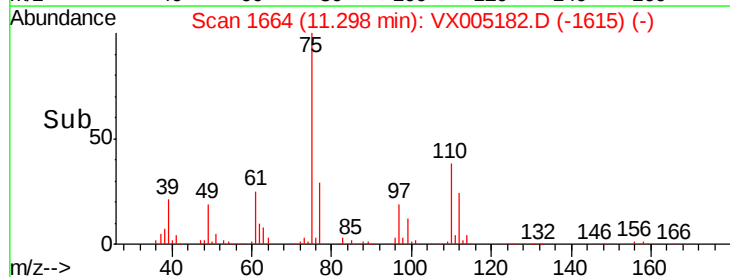
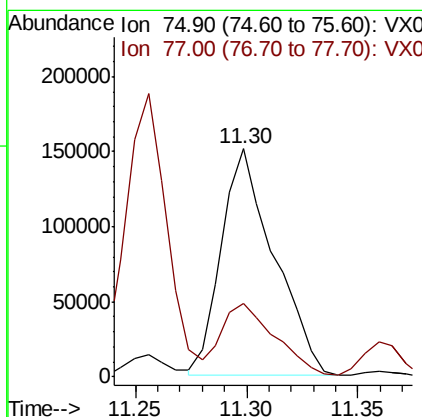
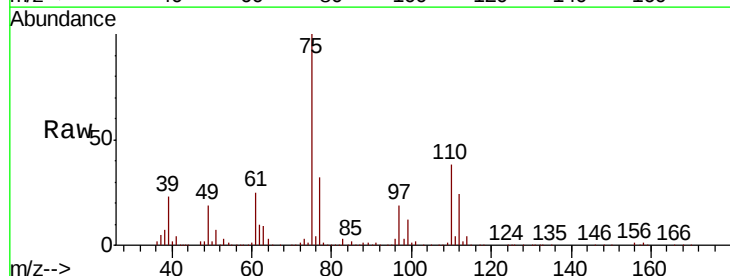
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

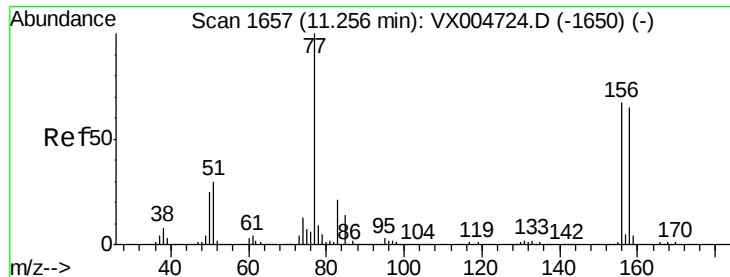
Tot Ion: 83 Resp: 220748
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.1 15.3
 85 64.9 31.9 95.9



#76
 1,2,3-Trichloropropane
 Concen: 63.347 ug/l
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 75 Resp: 249028
 Ion Ratio Lower Upper
 75 100
 77 33.2 21.4 64.3





#77

Bromobenzene

Concen: 51.832 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

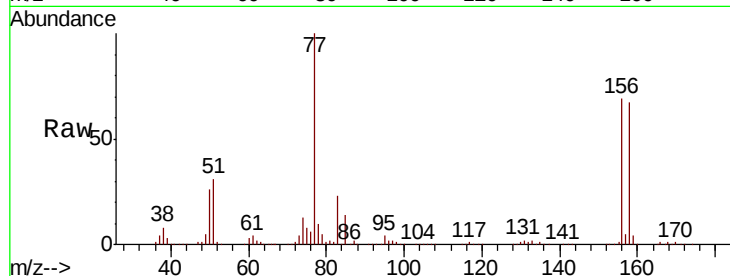
Tot Ion:156 Resp: 166436

Ion Ratio Lower Upper

156 100

77 146.8 73.4 220.2

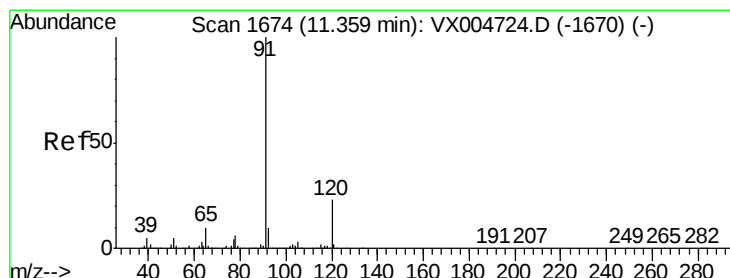
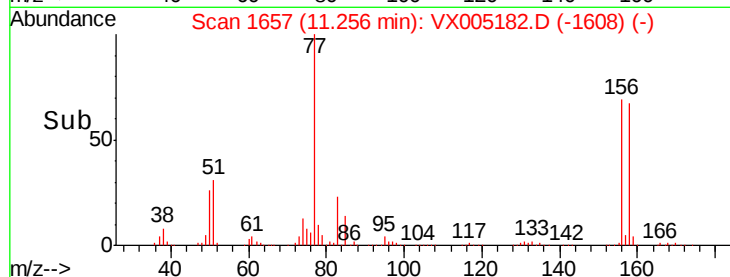
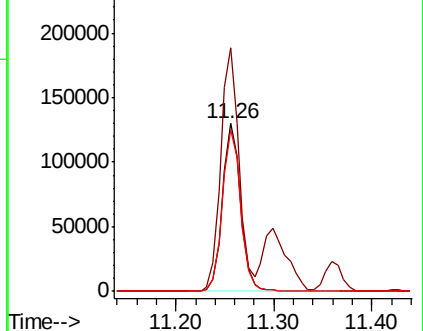
158 97.4 49.1 147.4



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: 56.963 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005182.D

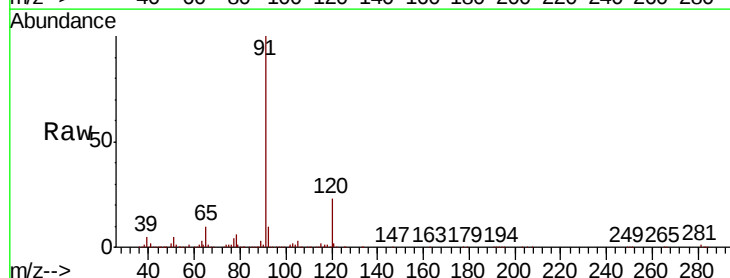
Acq: 10 Oct 2018 02:04

Tgt Ion: 91 Resp: 722554

Ion Ratio Lower Upper

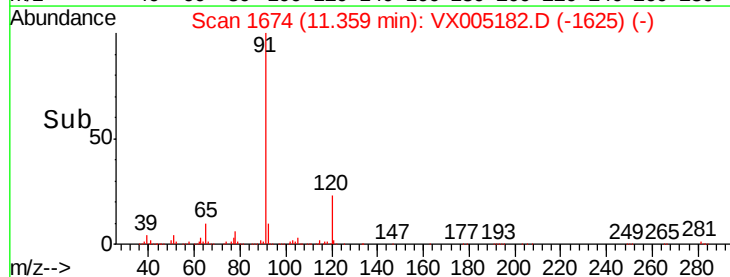
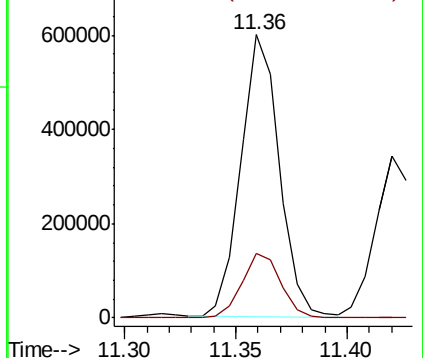
91 100

120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

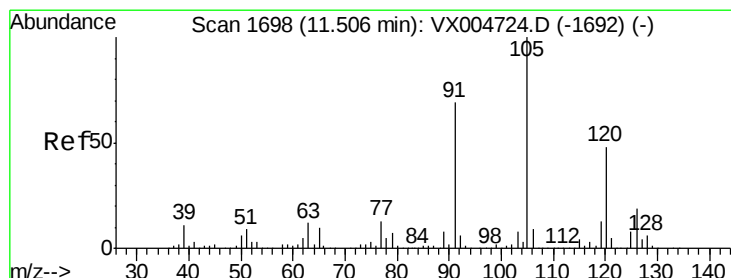
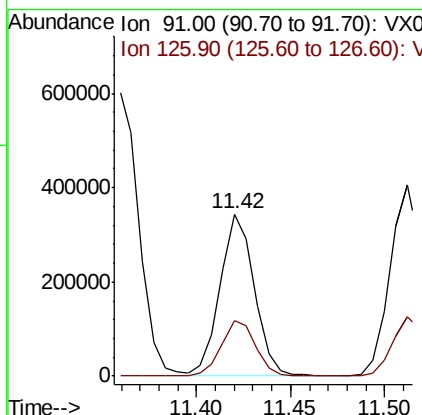
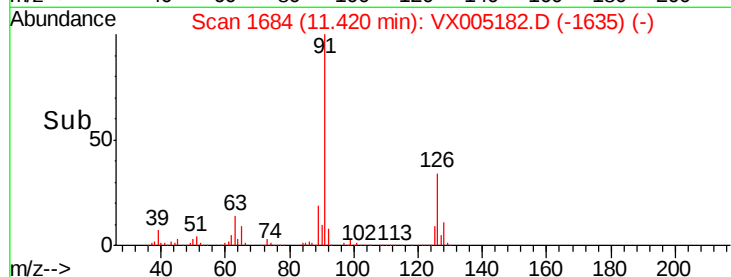
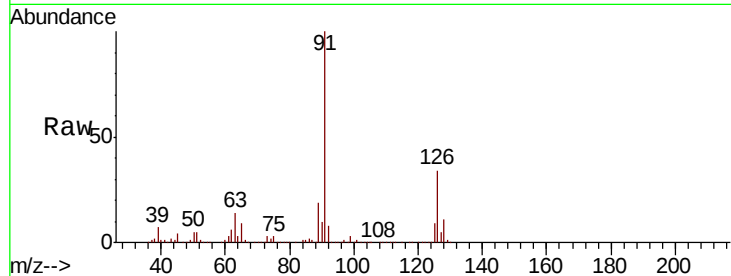




#79
 2-Chlorotoluene
 Concen: 54.170 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

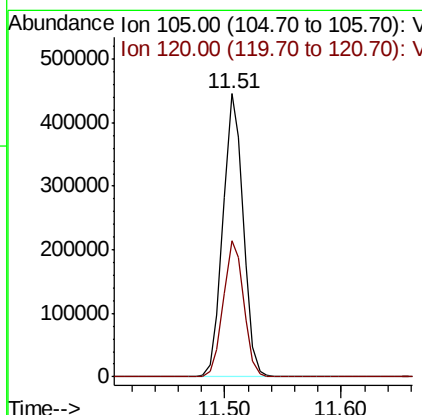
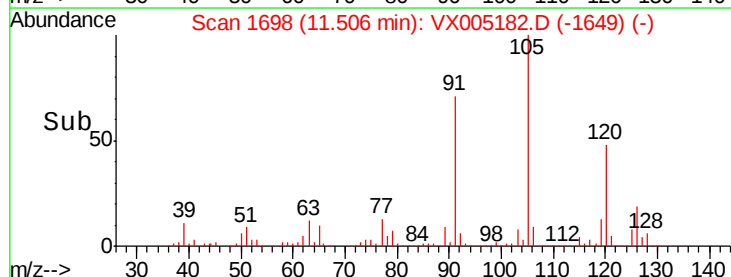
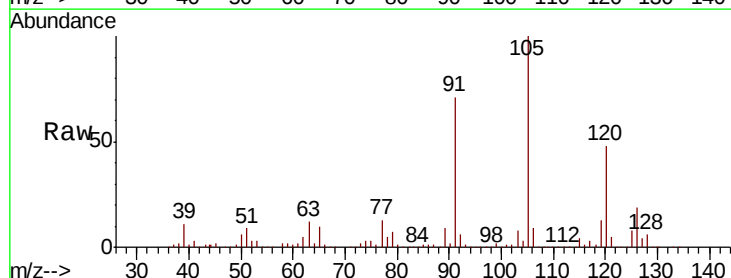
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

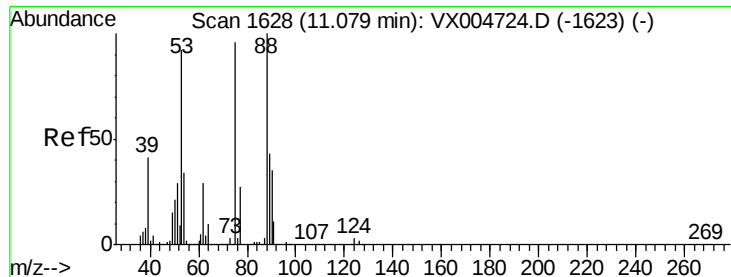
Tot Ion: 91 Resp: 428301
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 52.899 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion: 105 Resp: 535890
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 39.901 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

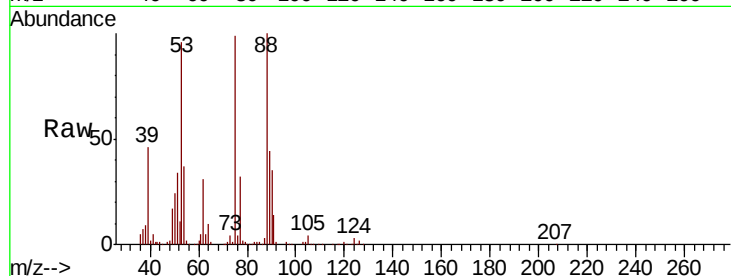
Tot Ion: 75 Resp: 56910

Ion Ratio Lower Upper

75 100

53 99.9 80.2 120.4

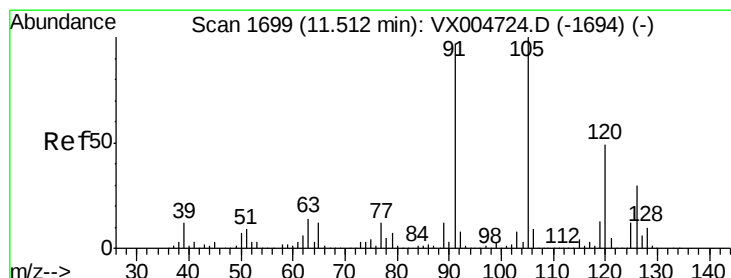
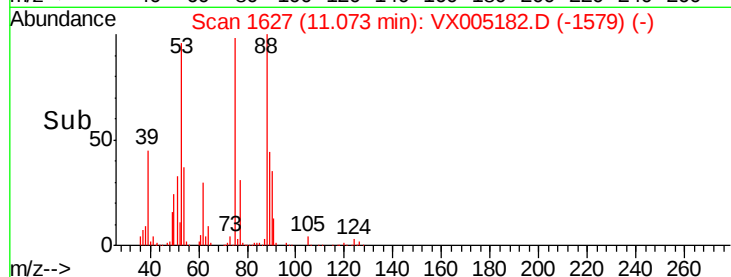
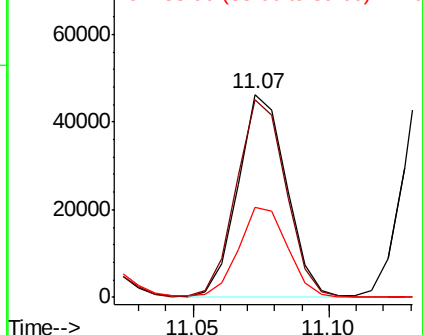
89 45.5 37.1 55.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.430 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005182.D

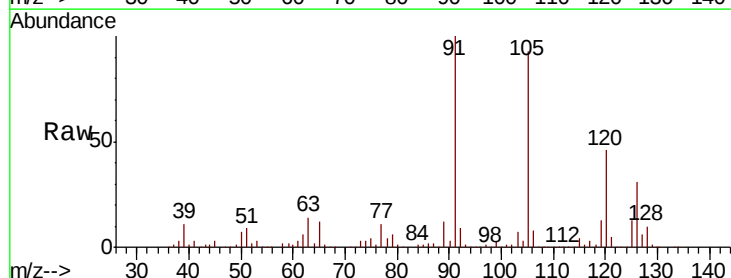
Acq: 10 Oct 2018 02:04

Tgt Ion: 91 Resp: 506544

Ion Ratio Lower Upper

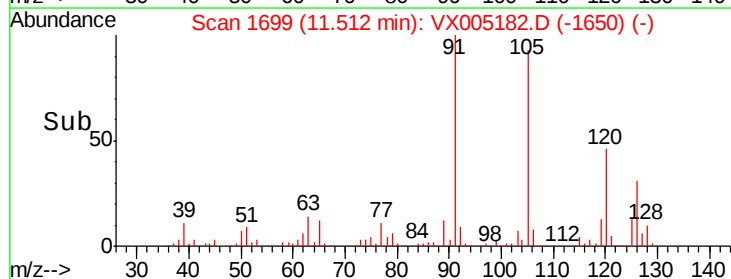
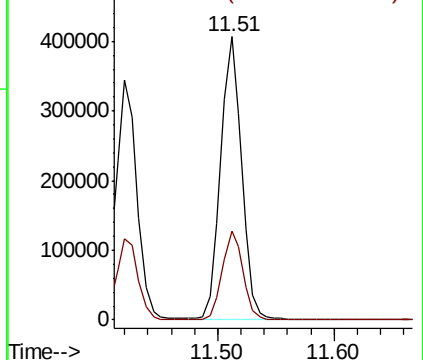
91 100

126 30.8 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

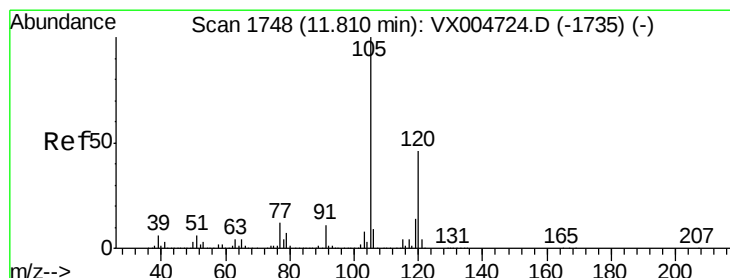
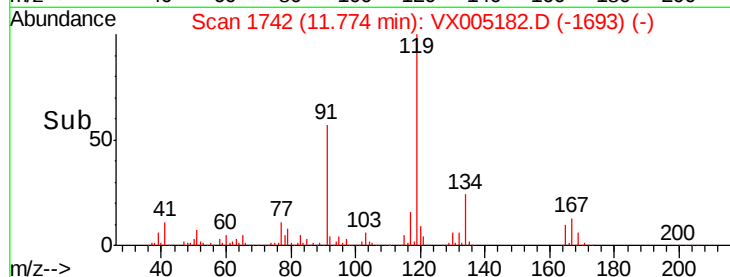
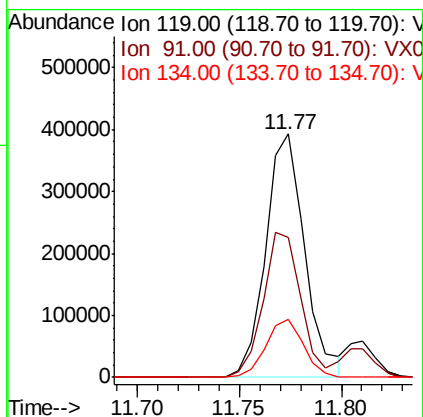
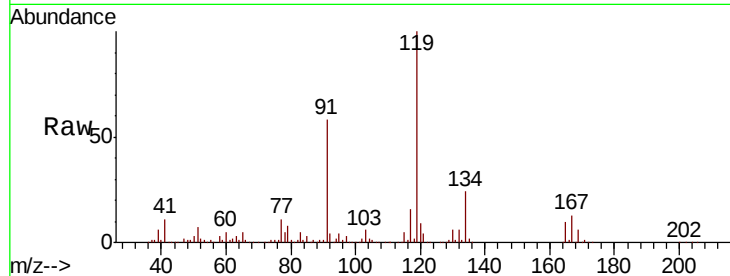




#83
 tert-Butylbenzene
 Concen: 57.466 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

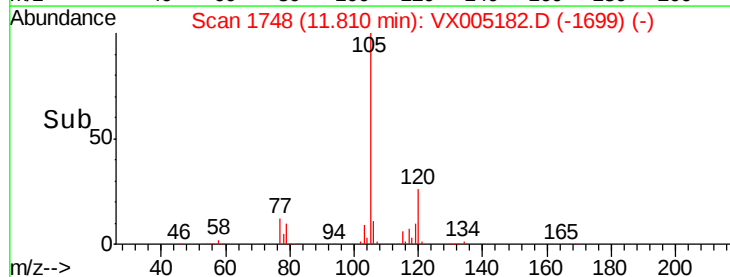
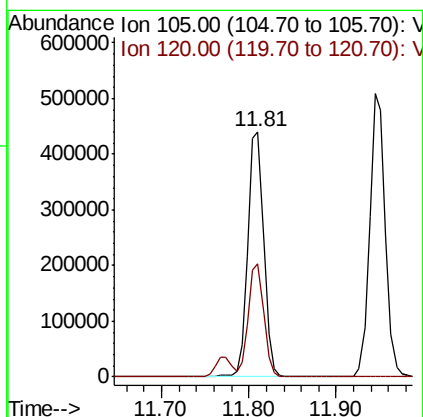
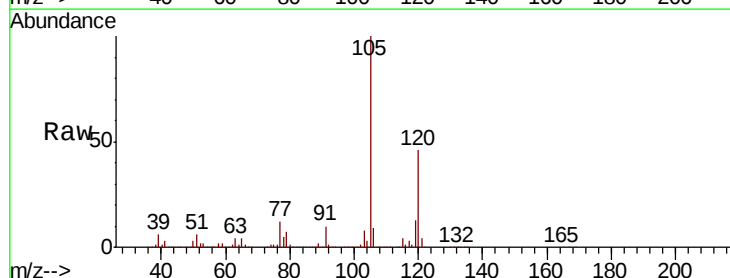
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

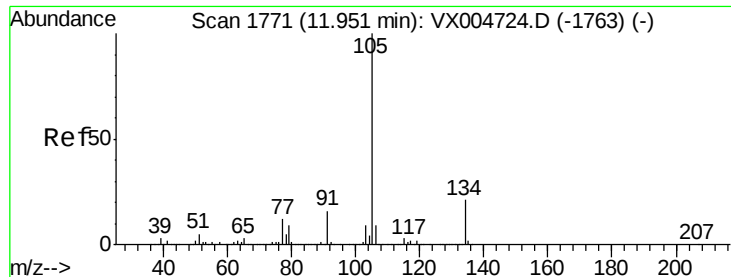
Tot Ion:119 Resp: 523064
 Ion Ratio Lower Upper
 119 100
 91 57.2 27.5 82.5
 134 23.1 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.764 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion:105 Resp: 551236
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 57.240 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

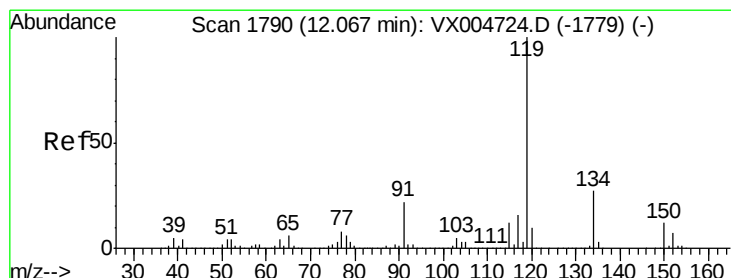
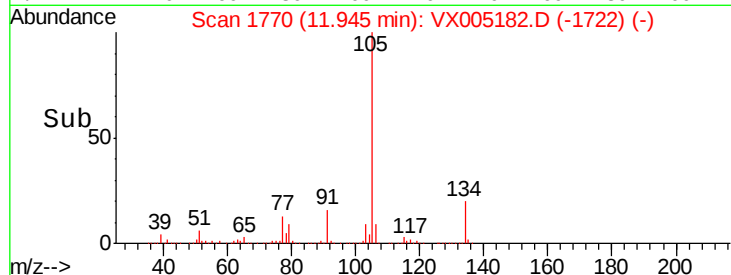
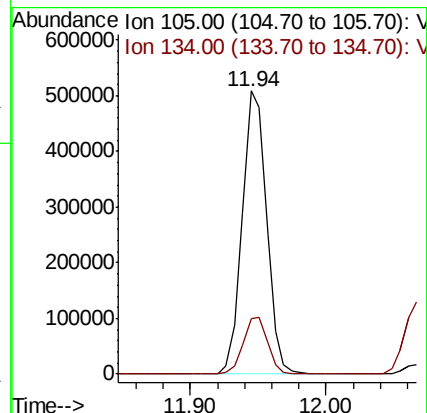
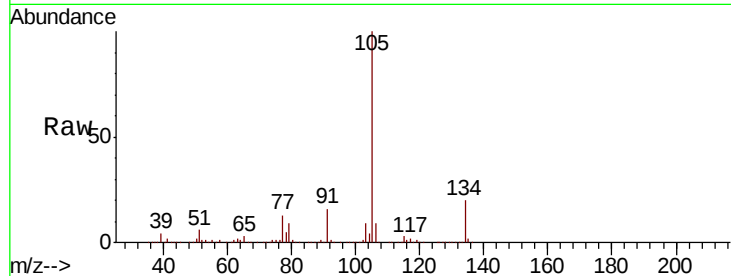
VSTDCCC050

Tot Ion:105 Resp: 634601

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 56.904 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

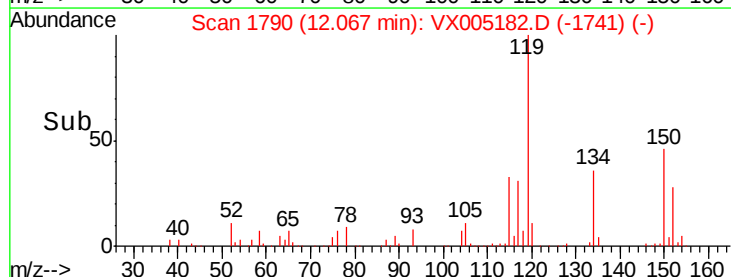
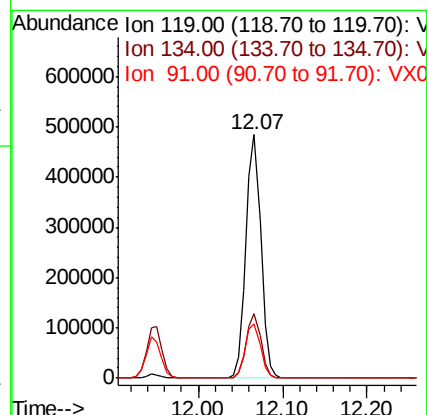
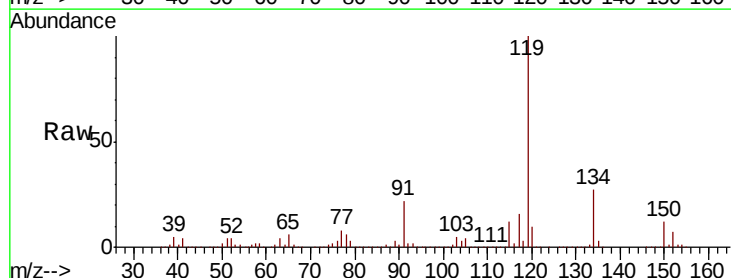
Tgt Ion:119 Resp: 571578

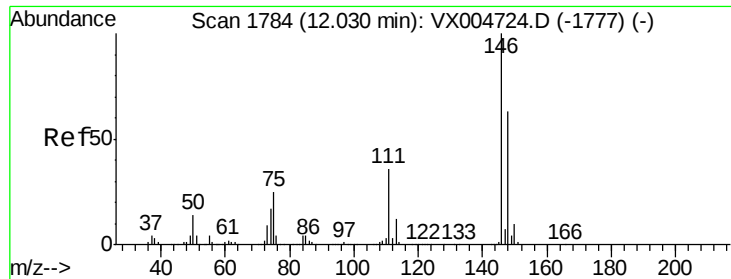
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.8 11.5 34.4





#87

1,3-Dichlorobenzene

Concen: 51.621 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

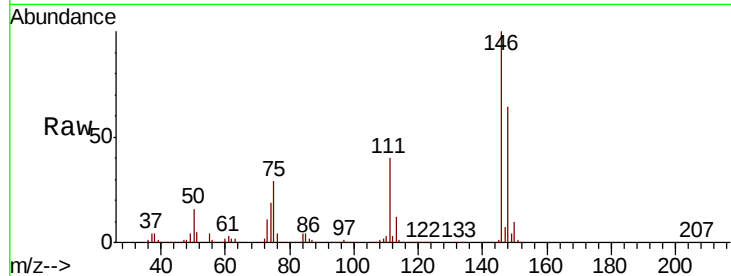
Tot Ion:146 Resp: 309518

Ion Ratio Lower Upper

146 100

111 38.2 18.9 56.9

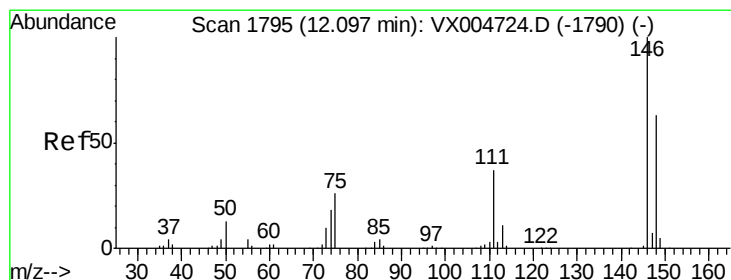
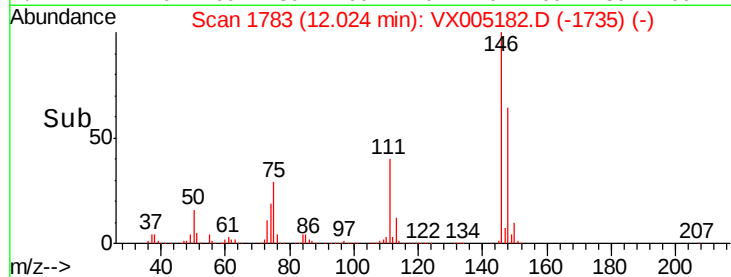
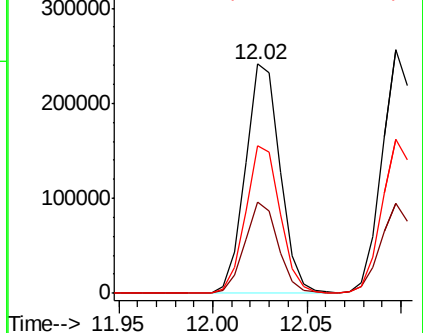
148 64.2 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.890 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

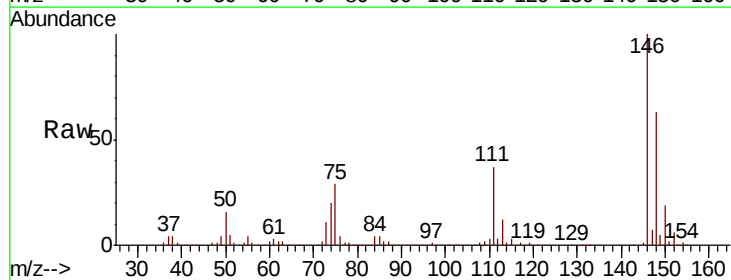
Tgt Ion:146 Resp: 314990

Ion Ratio Lower Upper

146 100

111 36.9 18.4 55.2

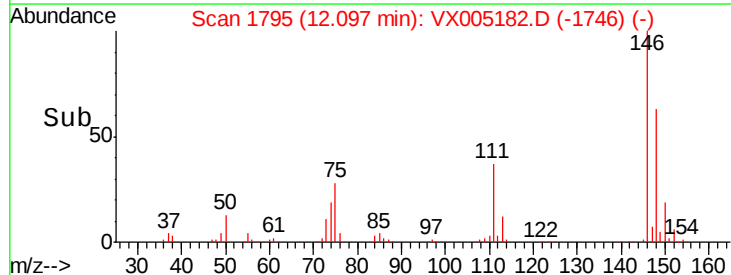
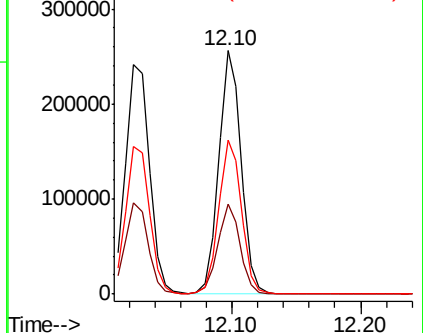
148 64.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

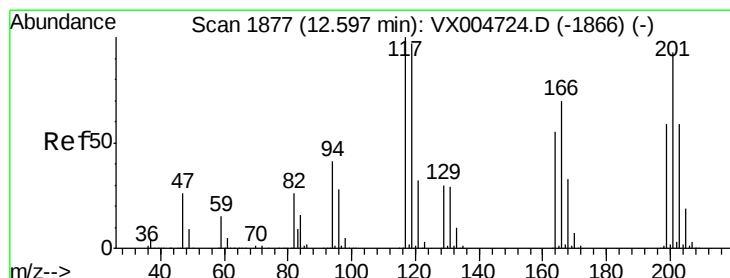
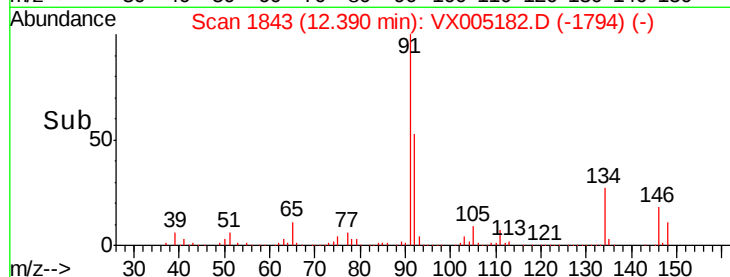
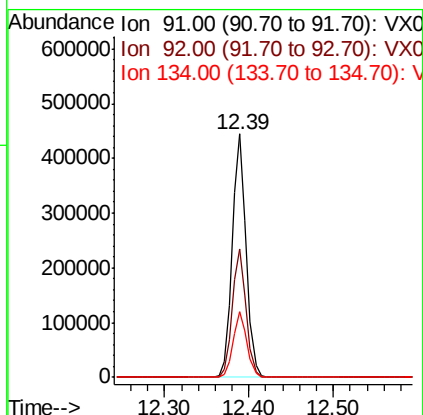
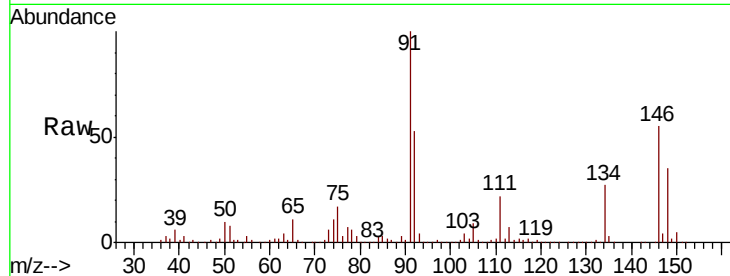




#89
n-Butylbenzene
Concen: 54.783 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

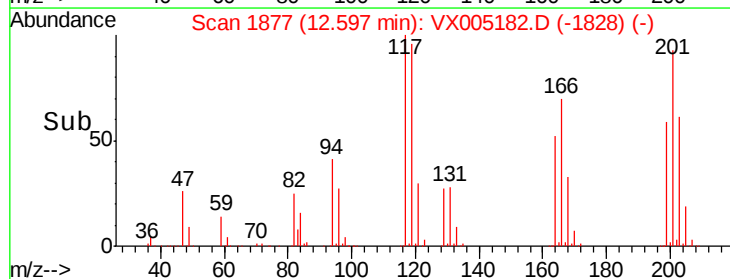
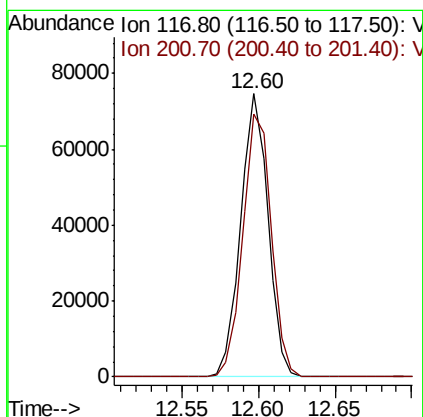
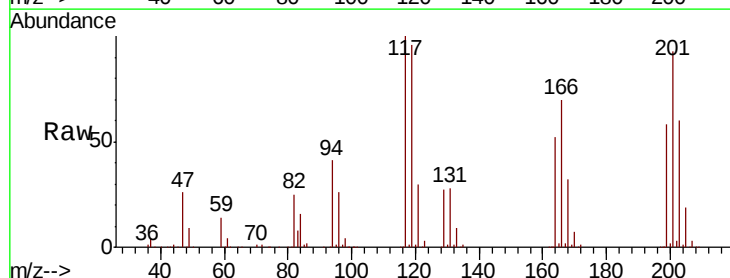
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 499754
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 26.5 13.2 39.6



#90
Hexachloroethane
Concen: 55.328 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion: 117 Resp: 92531
Ion Ratio Lower Upper
117 100
201 96.8 48.4 145.0





#91

1,2-Dichlorobenzene

Concen: 51.000 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

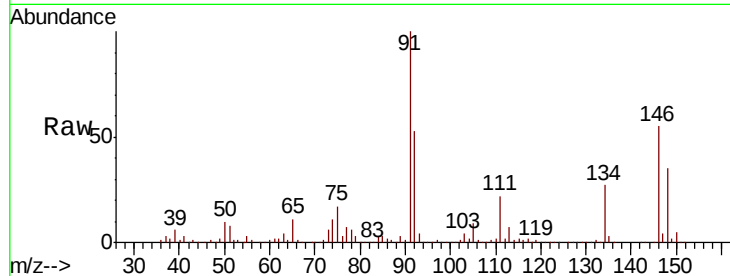
Tot Ion:146 Resp: 319570

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

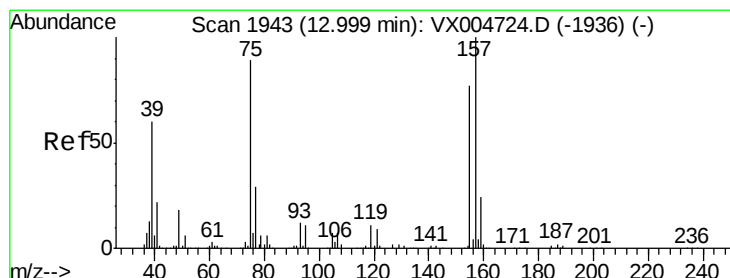
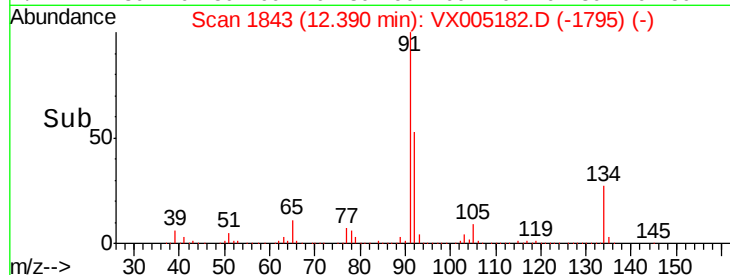
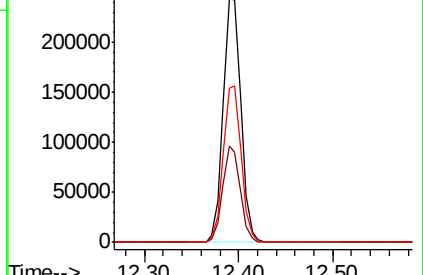
148 64.4 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.381 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX005182.D

Acq: 10 Oct 2018 02:04

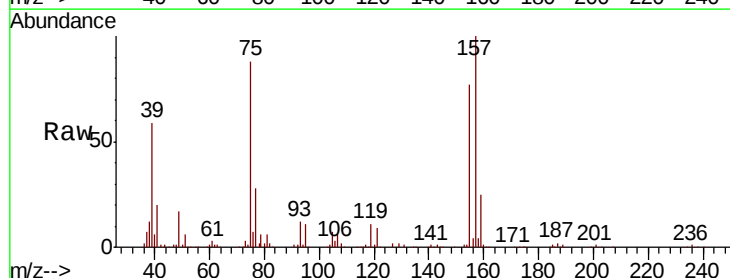
Tgt Ion: 75 Resp: 54722

Ion Ratio Lower Upper

75 100

155 92.5 46.1 138.3

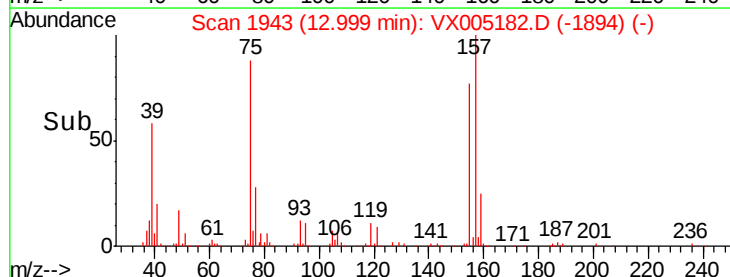
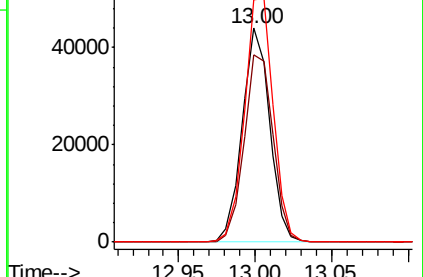
157 119.1 60.2 180.6

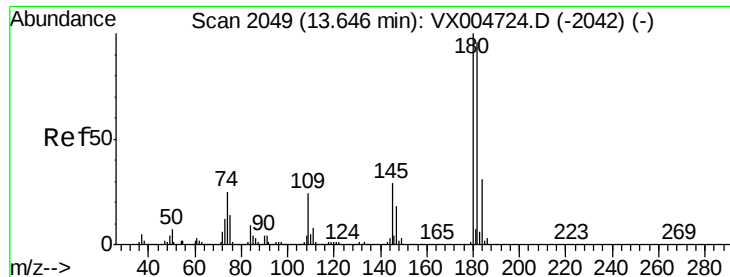


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

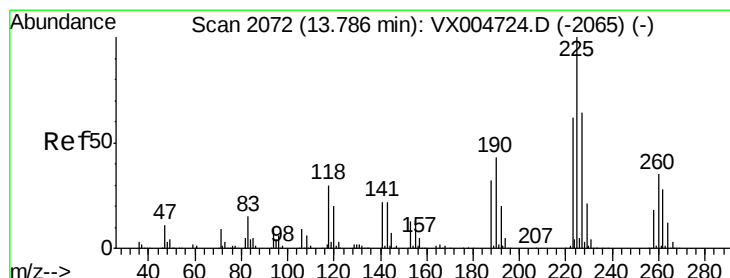
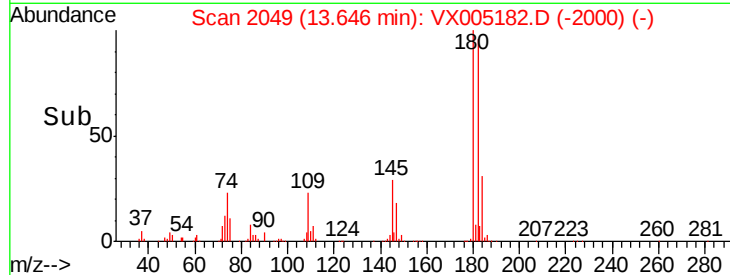
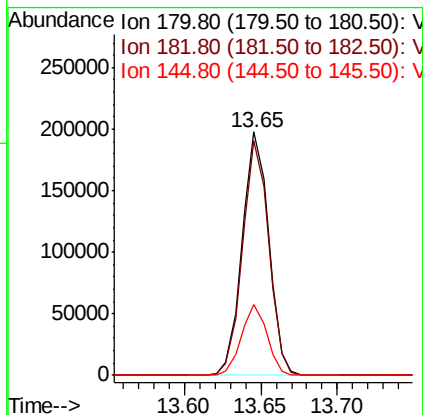
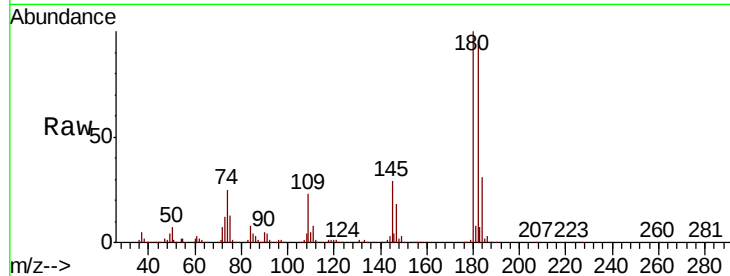




#93
 1,2,4-Trichlorobenzene
 Concen: 53.883 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

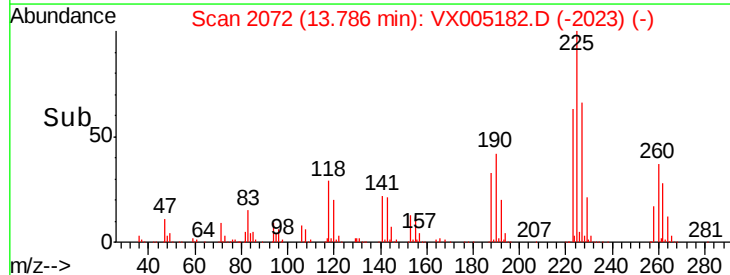
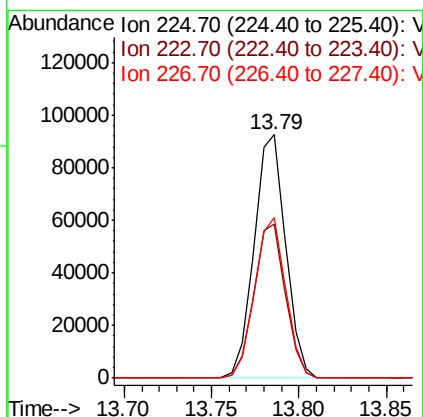
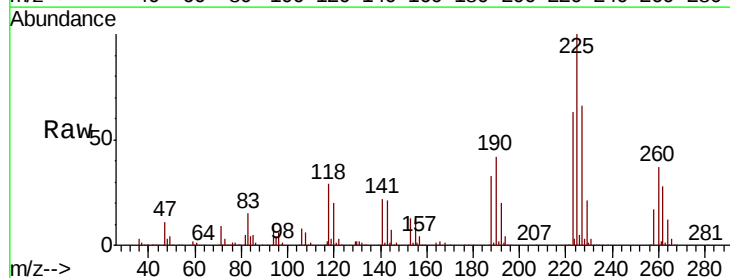
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

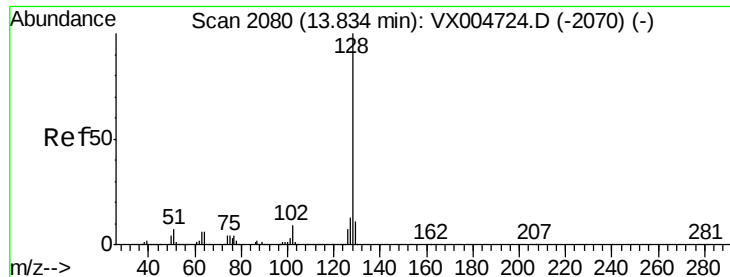
Tot Ion:180 Resp: 236848
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.4
 145 28.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 50.795 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005182.D
 Acq: 10 Oct 2018 02:04

Tgt Ion:225 Resp: 115779
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.3 93.8
 227 64.7 31.9 95.5

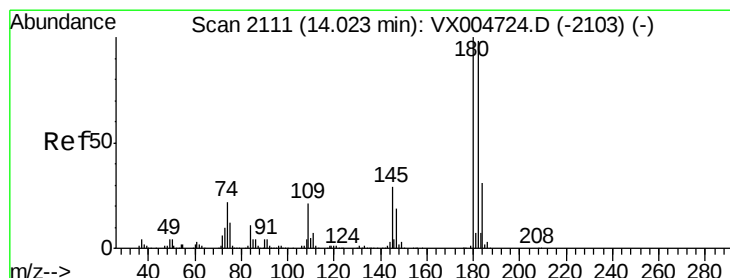
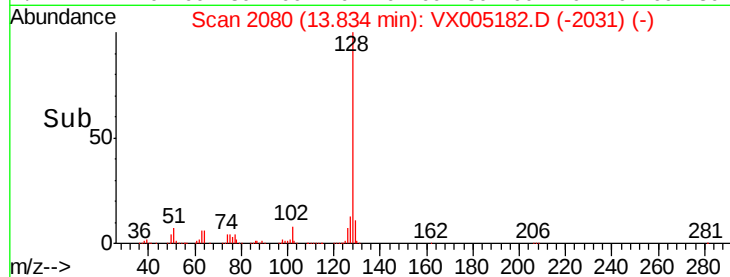
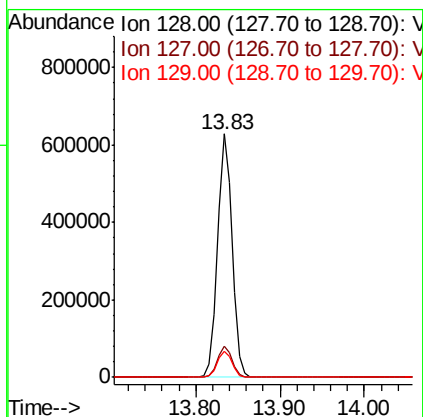
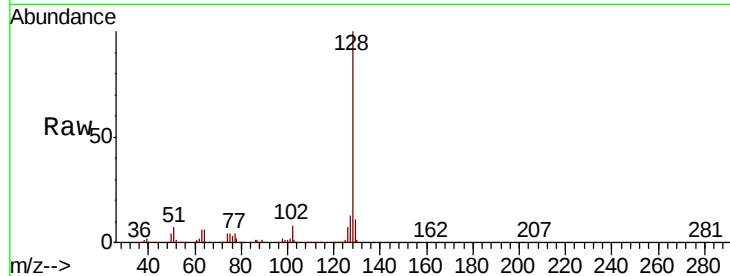




#95
Naphthalene
Concen: 51.764 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 755571
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.889 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005182.D
Acq: 10 Oct 2018 02:04

Tgt Ion:180 Resp: 244692
Ion Ratio Lower Upper
180 100
182 96.6 47.9 143.8
145 29.9 15.0 45.0

