

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083019\
 Data File : VX011918.D
 Acq On : 30 Aug 2019 20:09
 Operator : SY/SP
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 31 02:05:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	325604	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	450629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251578	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	153010	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	5.48	113	141893	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.71	98	516117	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.14	95	212256	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.19	85	97801	49.767	ug/l 98
3) Chloromethane	1.31	50	111553	48.967	ug/l 99
4) Vinyl Chloride	1.39	62	108444	49.851	ug/l 98
5) Bromomethane	1.62	94	78213	51.963	ug/l 99
6) Chloroethane	1.71	64	69283	51.174	ug/l 96
7) Trichlorofluoromethane	1.92	101	194496	51.482	ug/l 99
8) Diethyl Ether	2.17	74	65271	50.271	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	128108	52.028	ug/l 100
10) Methyl Iodide	2.50	142	112721	42.523	ug/l 100
11) Tert butyl alcohol	3.03	59	83236	277.336	ug/l 100
12) 1,1-Dichloroethene	2.36	96	117968	51.585	ug/l 99
13) Acrolein	2.28	56	42585	285.079	ug/l 95
14) Allyl chloride	2.72	41	222794	51.936	ug/l 99
15) Acrylonitrile	3.12	53	198153	277.846	ug/l 99
16) Acetone	2.43	43	177796	264.889	ug/l 100
17) Carbon Disulfide	2.56	76	330019	50.312	ug/l 100
18) Methyl Acetate	2.76	43	96022	51.680	ug/l 98
19) Methyl tert-butyl Ether	3.18	73	397980	53.718	ug/l 99
20) Methylene Chloride	2.84	84	151803	53.331	ug/l 97
21) trans-1,2-Dichloroethene	3.15	96	140566	52.181	ug/l 98
22) Diisopropyl ether	3.84	45	460079	52.535	ug/l 95
23) Vinyl Acetate	3.80	43	1549241	275.152	ug/l 100
24) 1,1-Dichloroethane	3.69	63	253883	52.571	ug/l 100
25) 2-Butanone	4.65	43	272755	279.007	ug/l 99
26) 2,2-Dichloropropane	4.57	77	211934	52.323	ug/l 100
27) cis-1,2-Dichloroethene	4.58	96	168796	53.196	ug/l 100
28) Bromochloromethane	5.00	49	112944	52.120	ug/l 99
29) Tetrahydrofuran	5.11	42	168001	275.332	ug/l 99
30) Chloroform	5.19	83	273917	53.047	ug/l 98
31) Cyclohexane	5.57	56	191535	49.171	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	246152	53.664	ug/l 99
36) 1,1-Dichloropropene	5.79	75	186266	52.174	ug/l 99
37) Ethyl Acetate	4.82	43	119955	56.763	ug/l 100
38) Carbon Tetrachloride	5.77	117	222615	53.766	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	209197	49.196	ug/l	99
40) Benzene	6.13	78	567342	53.239	ug/l	99
41) Methacrylonitrile	5.03	41	70320	56.514	ug/l	99
42) 1,2-Dichloroethane	6.18	62	198612	54.805	ug/l	100
43) Isopropyl Acetate	6.43	43	237862	55.516	ug/l	100
44) Trichloroethene	7.20	130	174827	53.024	ug/l	98
45) 1,2-Dichloropropane	7.51	63	148978	53.445	ug/l	100
46) Dibromomethane	7.65	93	89071	53.842	ug/l	98
47) Bromodichloromethane	7.89	83	222109	54.144	ug/l	99
48) Methyl methacrylate	7.76	41	117931	56.570	ug/l	99
49) 1,4-Dioxane	7.73	88	33186	1157.629	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	622788	286.131	ug/l	99
52) Toluene	8.78	92	377109	53.490	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	226584	53.923	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	250938	53.199	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	131062	54.116	ug/l	99
56) Ethyl methacrylate	9.17	69	183338	54.545	ug/l	99
57) 1,3-Dichloropropane	9.37	76	218222	54.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	431802	269.718	ug/l	99
59) 2-Hexanone	9.48	43	434303	280.901	ug/l	99
60) Dibromochloromethane	9.57	129	178713	54.942	ug/l	100
61) 1,2-Dibromoethane	9.67	107	133229	55.485	ug/l	100
64) Tetrachloroethene	9.33	164	180031	52.603	ug/l	98
65) Chlorobenzene	10.14	112	441557	53.555	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	180122	54.024	ug/l	99
67) Ethyl Benzene	10.25	91	741921	52.901	ug/l	99
68) m/p-Xylenes	10.35	106	579373	106.986	ug/l	99
69) o-Xylene	10.70	106	283575	53.736	ug/l	99
70) Styrene	10.71	104	502886	54.065	ug/l	100
71) Bromoform	10.85	173	130139	55.201	ug/l	98
73) Isopropylbenzene	11.01	105	754281	52.181	ug/l	100
74) N-amyl acetate	10.89	43	232237	54.138	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.26	83	161660	54.645	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	175917	71.084	ug/l	84
77) Bromobenzene	11.25	156	223614	53.339	ug/l	98
78) n-propylbenzene	11.35	91	864546	52.743	ug/l	100
79) 2-Chlorotoluene	11.42	91	518807	52.583	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	655176	52.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52181	52.969	ug/l	99
82) 4-Chlorotoluene	11.51	91	621590	52.222	ug/l	100
83) tert-Butylbenzene	11.77	119	667706	52.740	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	666774	52.145	ug/l	100
85) sec-Butylbenzene	11.94	105	757633	51.521	ug/l	99
86) p-Isopropyltoluene	12.06	119	739485	51.861	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	409514	52.559	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	409191	51.950	ug/l	99
89) n-Butylbenzene	12.39	91	641247	50.831	ug/l	100
90) Hexachloroethane	12.59	117	141514	51.300	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	384367	53.060	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32509	55.166	ug/l	97

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QLast Update : Fri Aug 30 01:59:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	316483	51.886	ug/l	99
94) Hexachlorobutadiene	13.78	225	199357	48.940	ug/l	99
95) Naphthalene	13.83	128	564761	53.950	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	288399	52.286	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

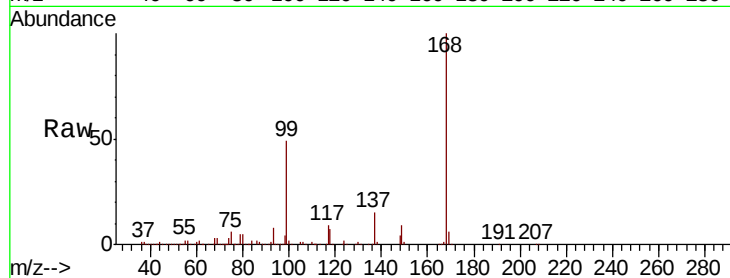
VSTDCCC050EC

Tgt Ion:168 Resp: 325604

Ion Ratio Lower Upper

168 100

99 48.7 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

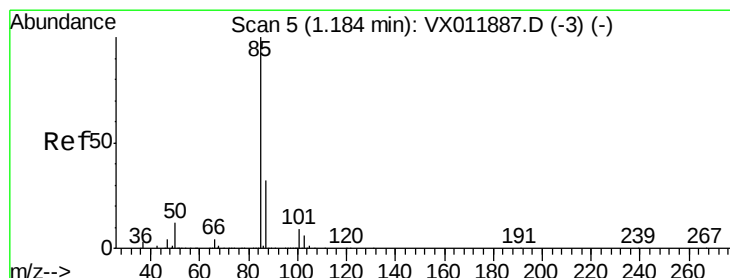
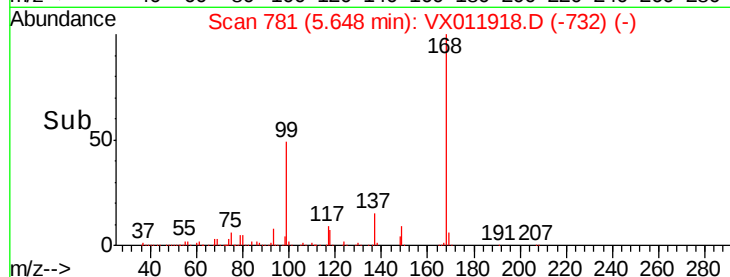
5.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.767 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX011918.D

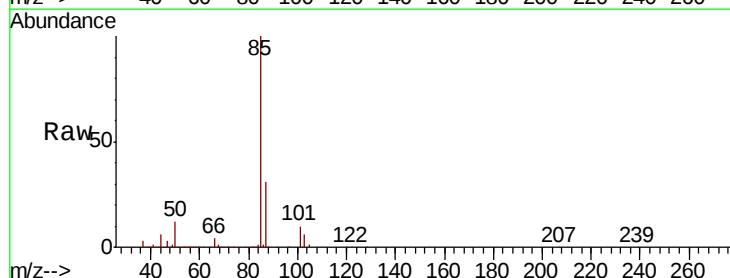
Acq: 30 Aug 2019 20:09

Tgt Ion: 85 Resp: 97801

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100000

80000

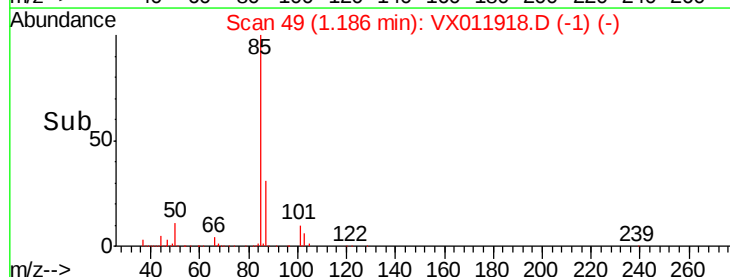
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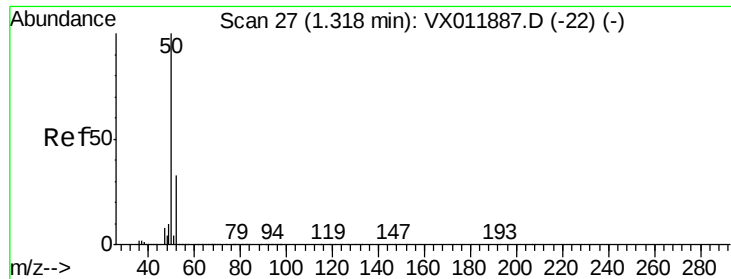
40000

20000

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Time-->





#3

Chloromethane

Concen: 48.967 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

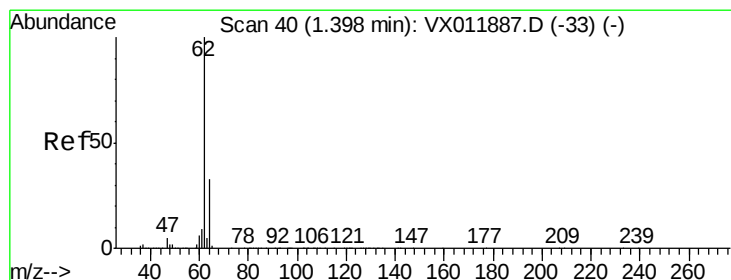
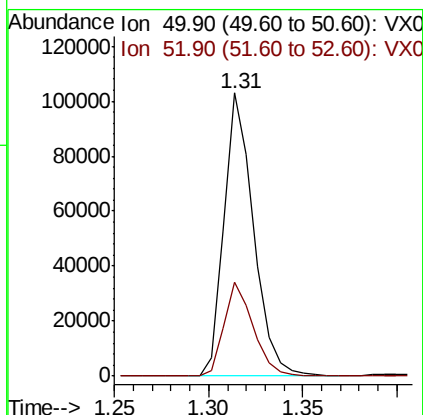
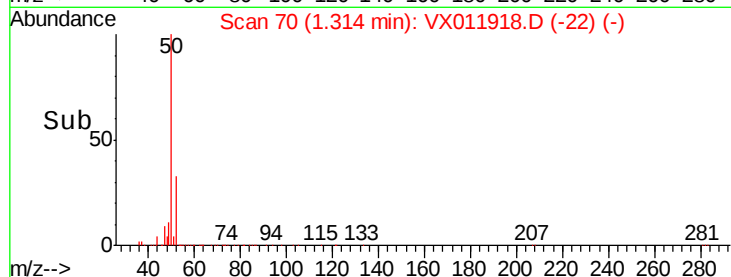
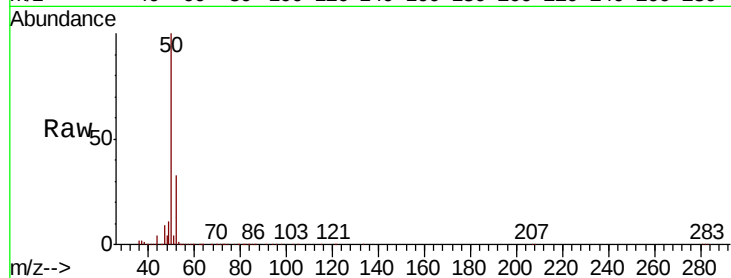
VSTDCCC050EC

Tgt Ion: 50 Resp: 111553

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 49.851 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX011918.D

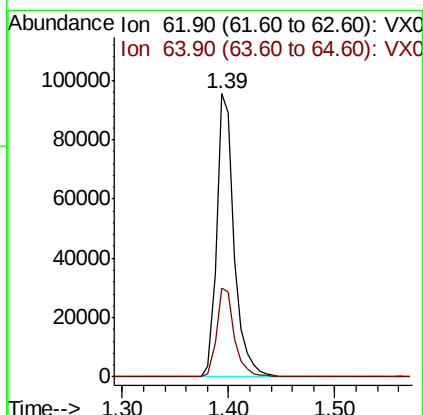
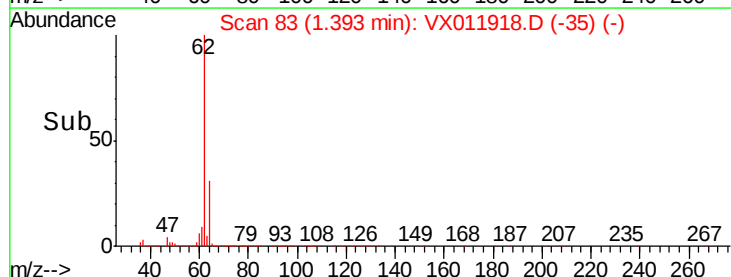
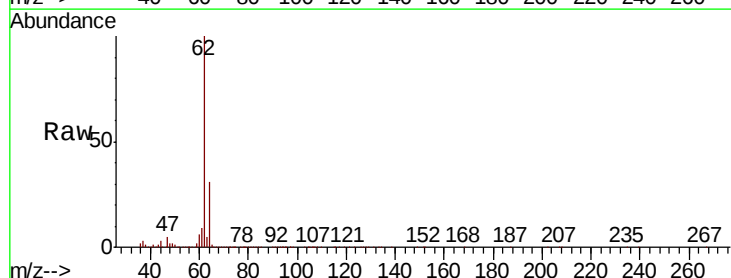
Acq: 30 Aug 2019 20:09

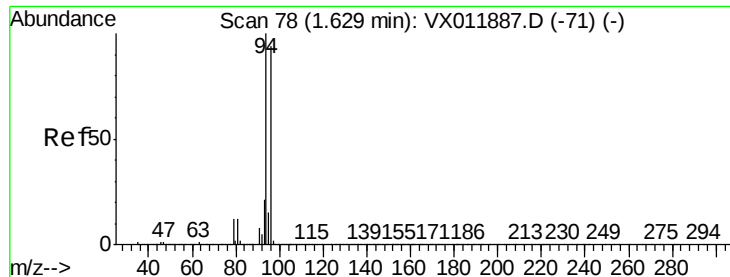
Tgt Ion: 62 Resp: 108444

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0





#5

Bromomethane

Concen: 51.963 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

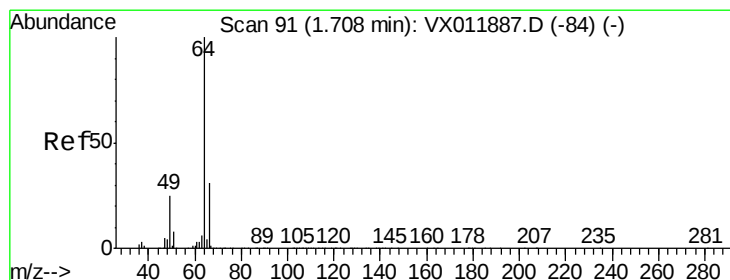
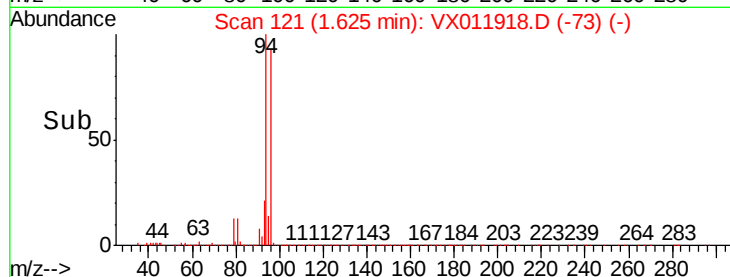
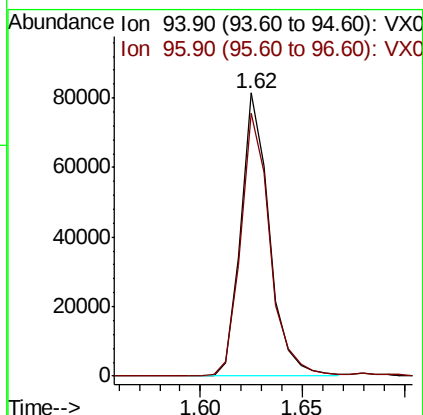
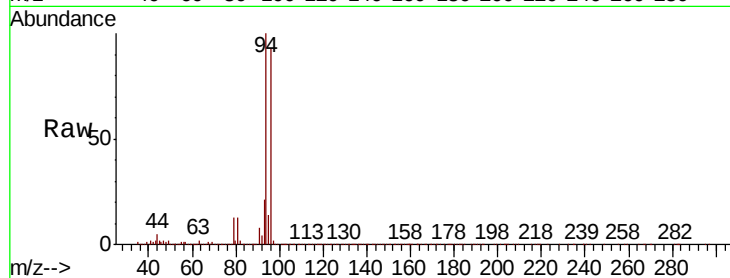
VSTDCCC050EC

Tgt Ion: 94 Resp: 78213

Ion Ratio Lower Upper

94 100

96 92.7 75.0 112.6



#6

Chloroethane

Concen: 51.174 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX011918.D

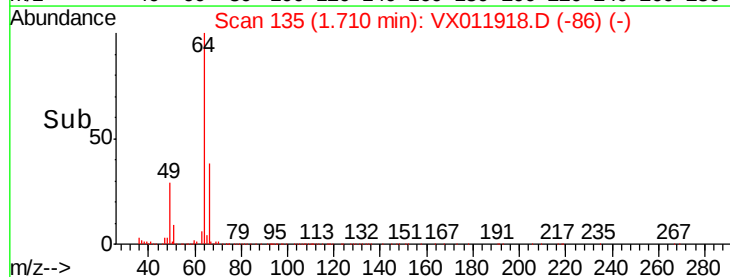
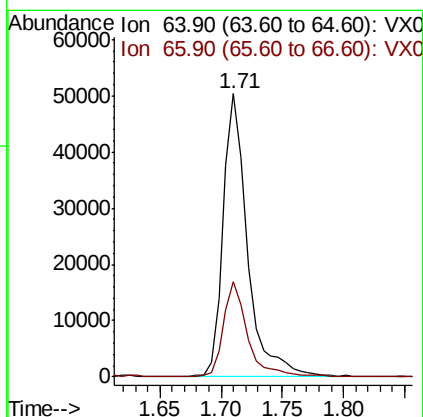
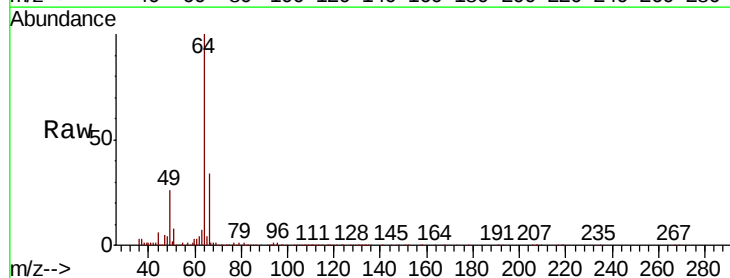
Acq: 30 Aug 2019 20:09

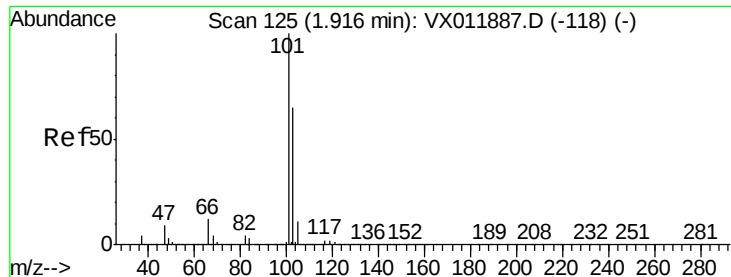
Tgt Ion: 64 Resp: 69283

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.4



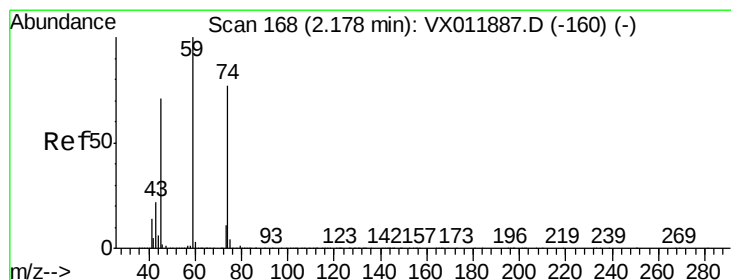
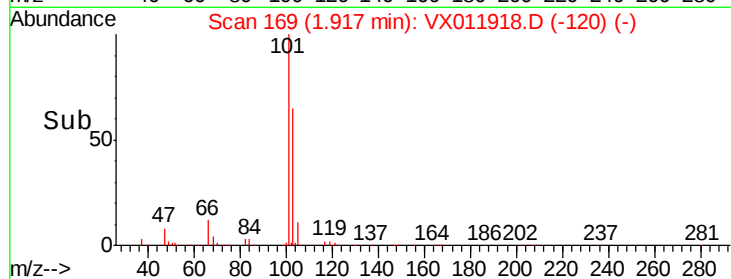
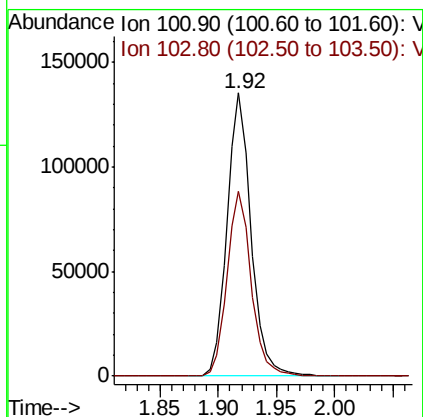
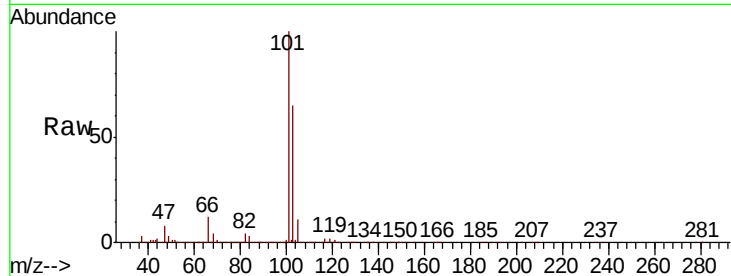


#7

Trichlorofluoromethane
Concen: 51.482 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX011918.D
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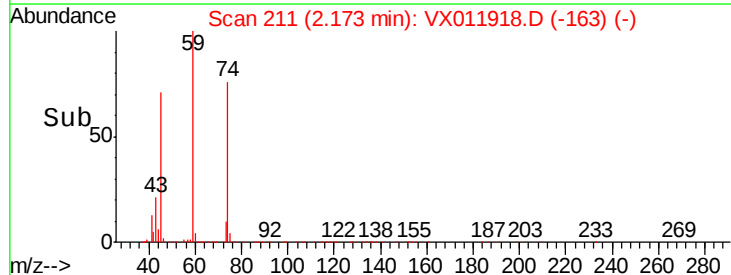
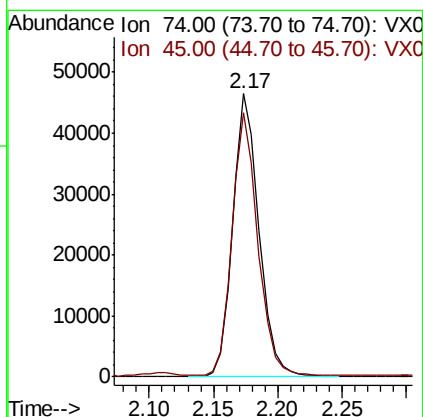
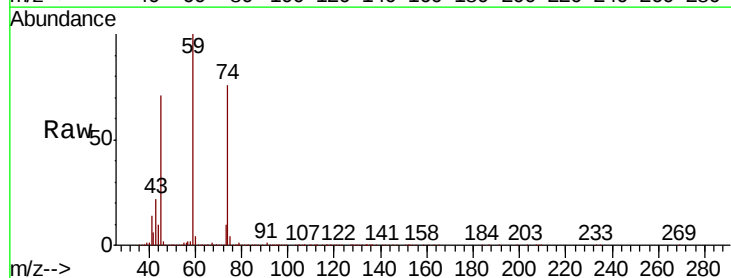
Tgt Ion: 101 Resp: 194496
Ion Ratio Lower Upper
101 100
103 65.1 51.6 77.4

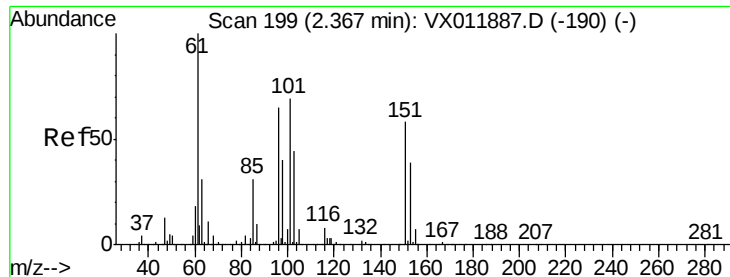


#8

Diethyl Ether
Concen: 50.271 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 74 Resp: 65271
Ion Ratio Lower Upper
74 100
45 91.7 46.7 140.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.028 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

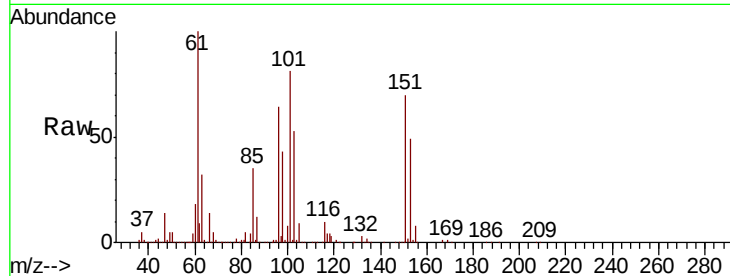
Tgt Ion:101 Resp: 128108

Ion Ratio Lower Upper

101 100

85 42.9 34.9 52.3

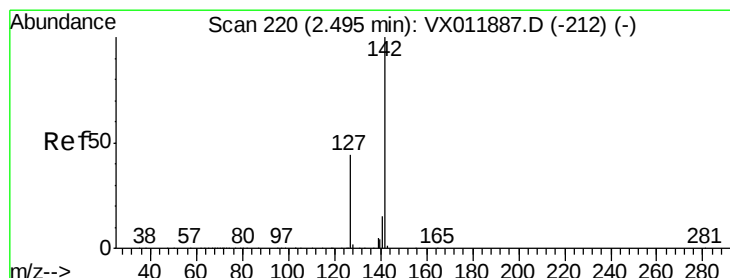
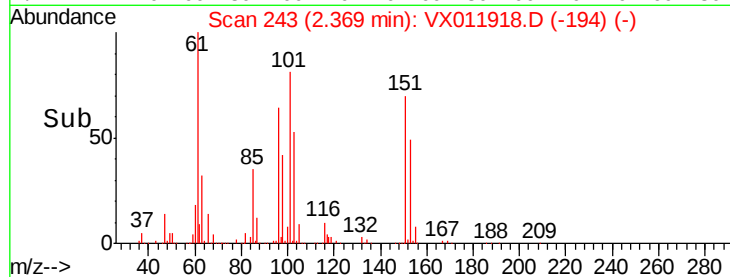
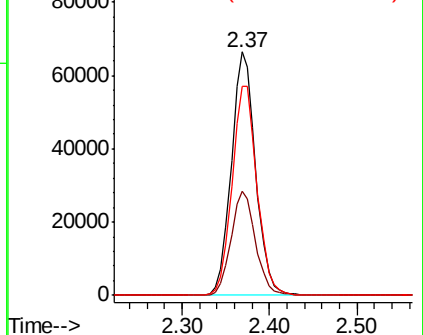
151 88.6 70.9 106.3



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: 42.523 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011918.D

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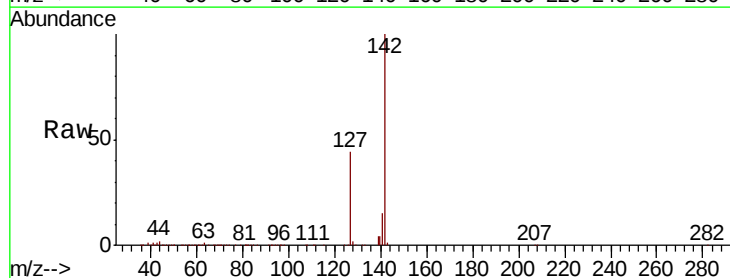
Tgt Ion:142 Resp: 112721

Ion Ratio Lower Upper

142 100

127 44.3 35.7 53.5

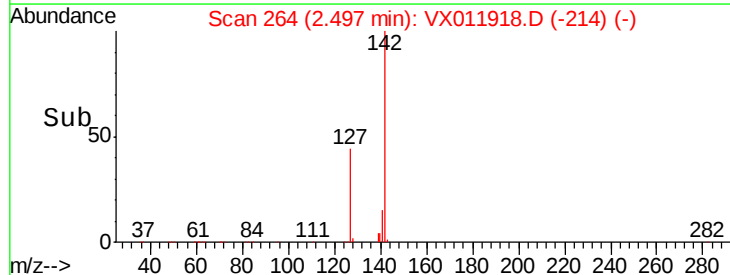
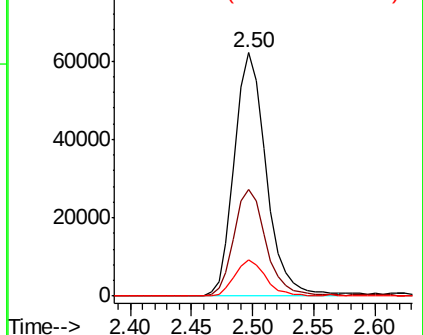
141 14.6 11.8 17.6

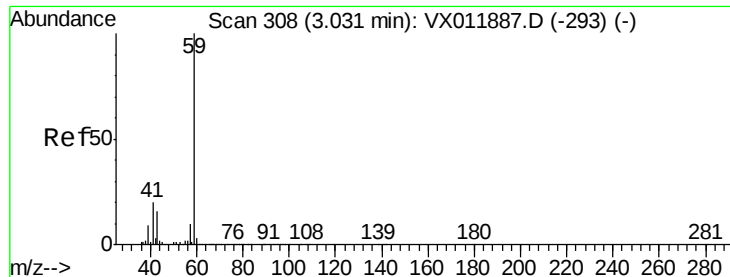


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

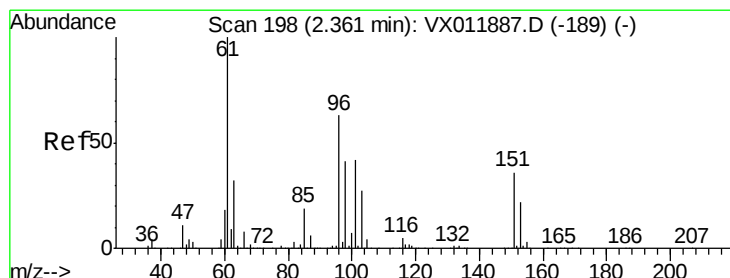
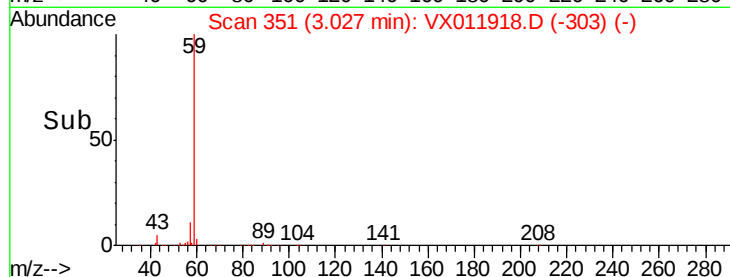
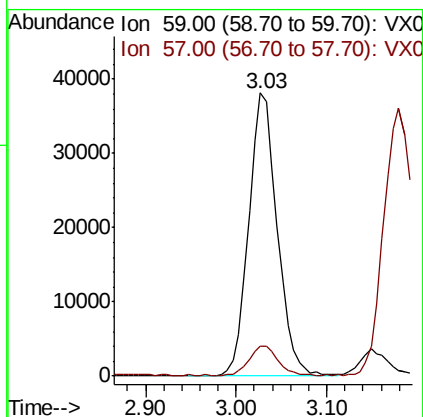
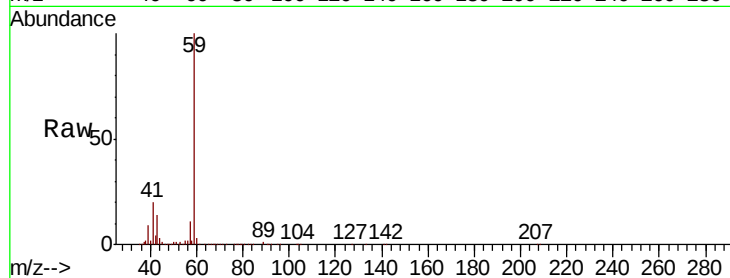




#11
Tert butyl alcohol
Concen: 277.336 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

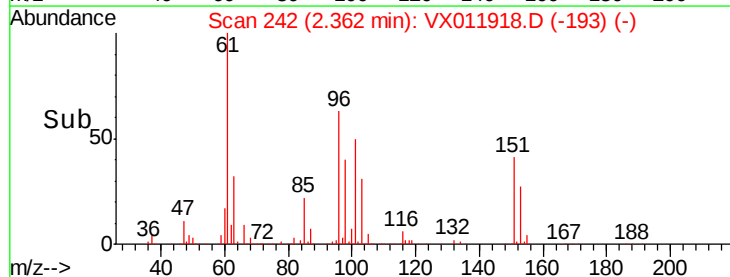
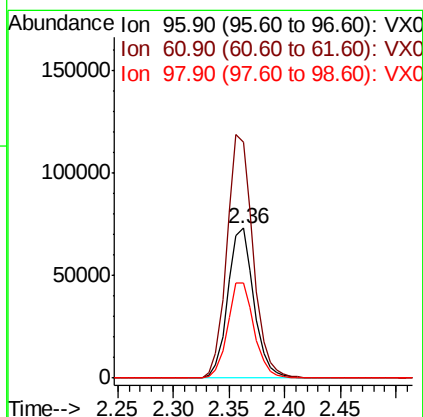
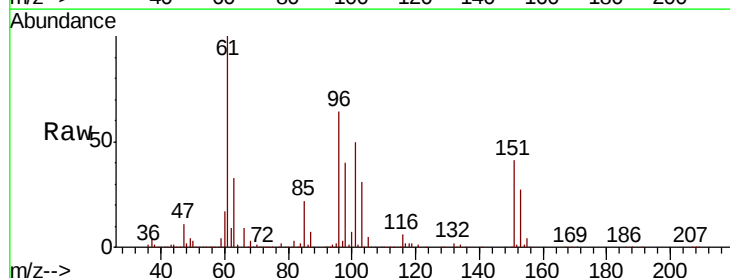
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

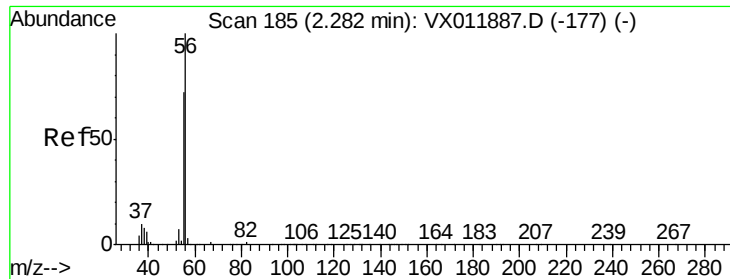
Tgt Ion: 59 Resp: 83236
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#12
1,1-Dichloroethene
Concen: 51.585 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 96 Resp: 117968
Ion Ratio Lower Upper
96 100
61 157.6 126.6 190.0
98 63.7 51.6 77.4





#13

Acrolein

Concen: 285.079 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

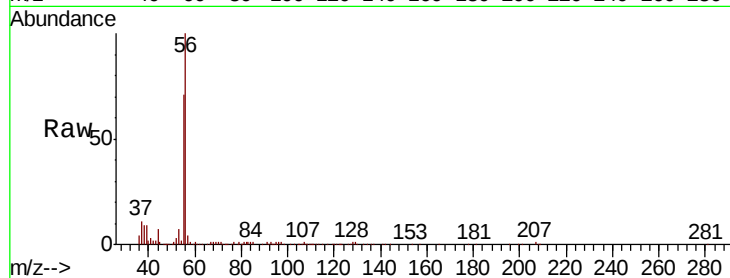
VSTDCCC050EC

Tgt Ion: 56 Resp: 42585

Ion Ratio Lower Upper

56 100

55 69.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

30000

25000

20000

15000

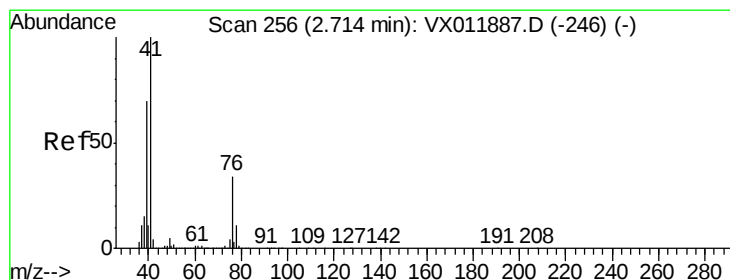
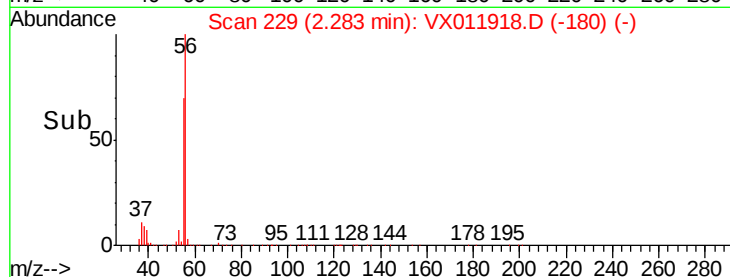
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 51.936 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

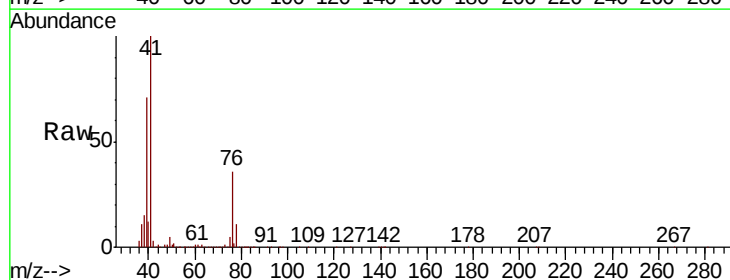
Tgt Ion: 41 Resp: 222794

Ion Ratio Lower Upper

41 100

39 68.5 55.0 82.6

76 34.7 27.0 40.4



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

150000

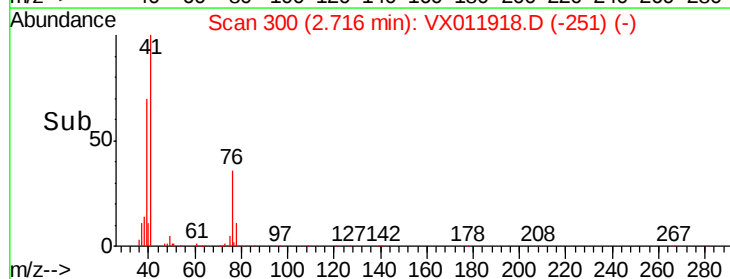
100000

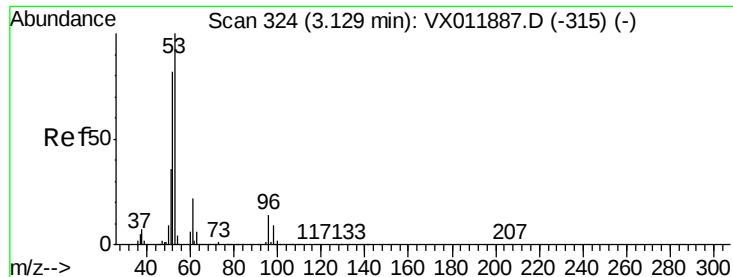
50000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 277.846 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

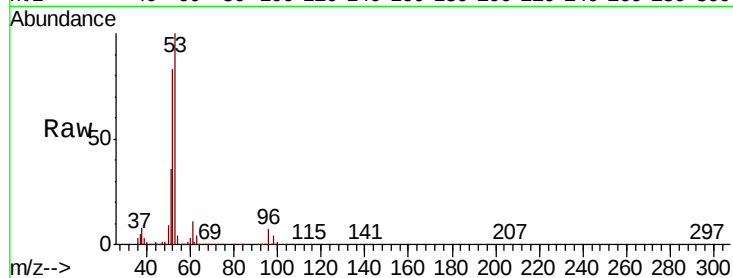
Tgt Ion: 53 Resp: 198153

Ion Ratio Lower Upper

53 100

52 83.1 65.3 97.9

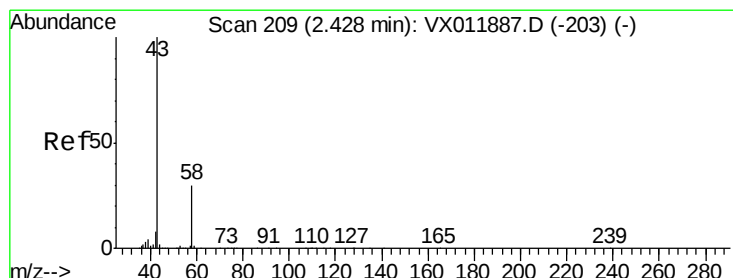
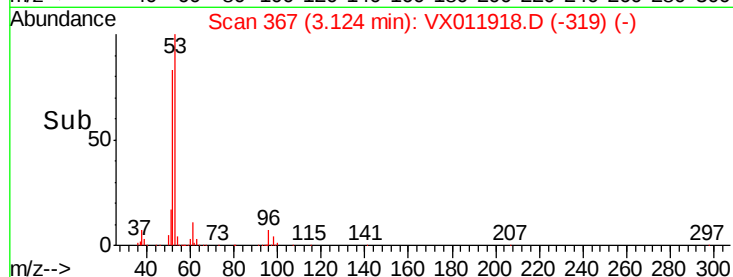
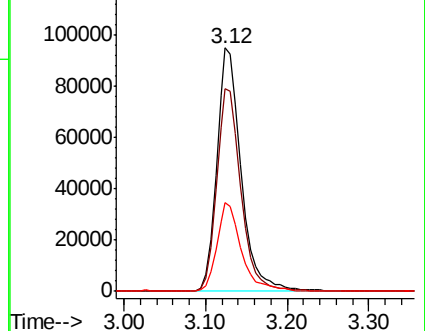
51 36.6 29.4 44.2



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: 264.889 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011918.D

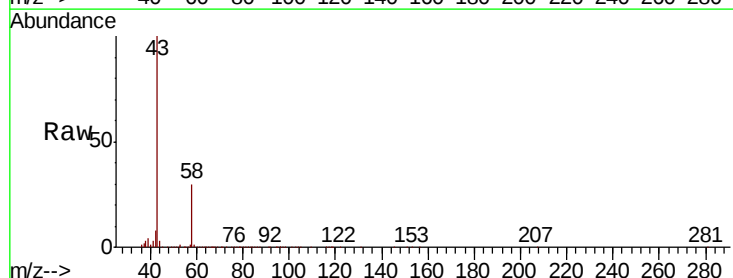
Acq: 30 Aug 2019 20:09

Tgt Ion: 43 Resp: 177796

Ion Ratio Lower Upper

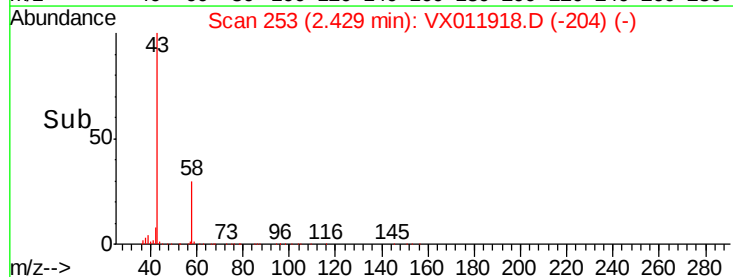
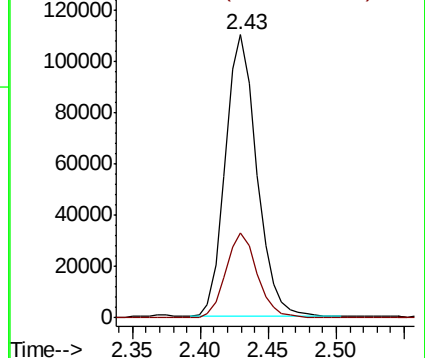
43 100

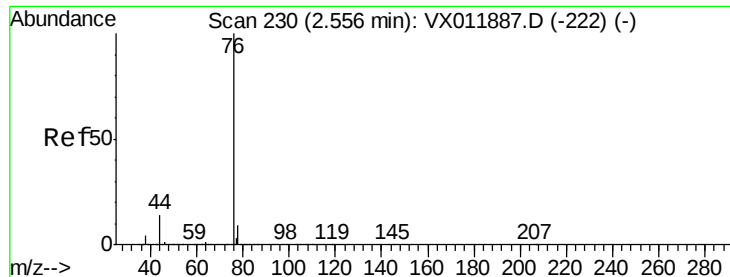
58 29.8 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

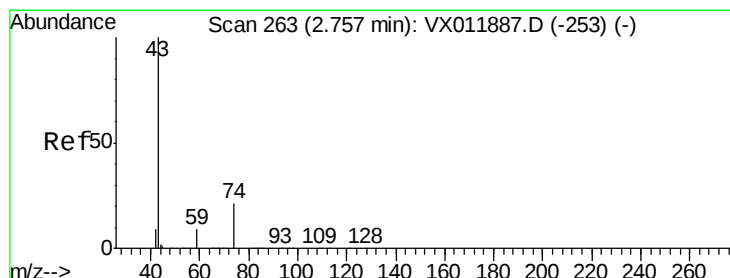
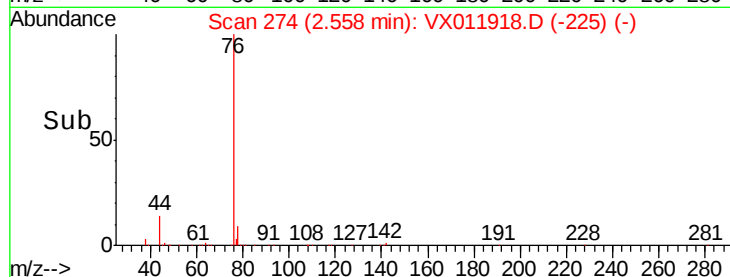
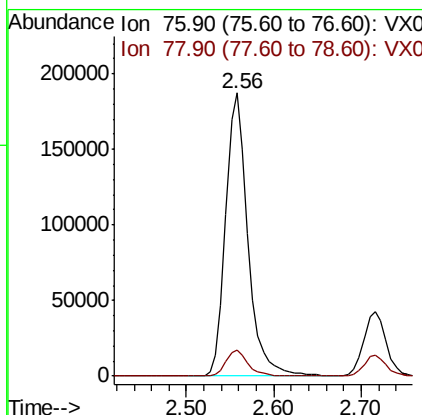
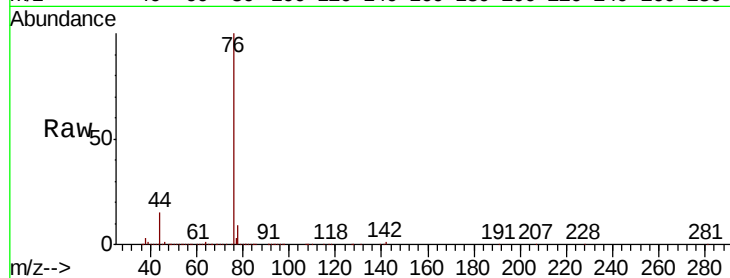




#17
Carbon Disulfide
Concen: 50.312 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

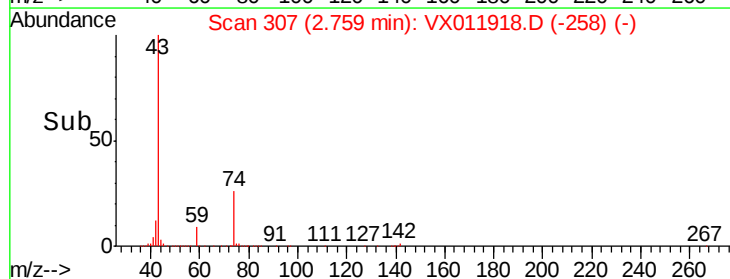
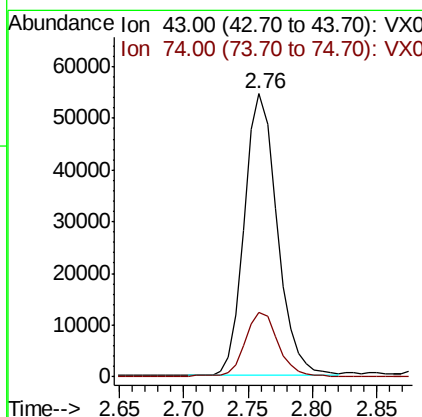
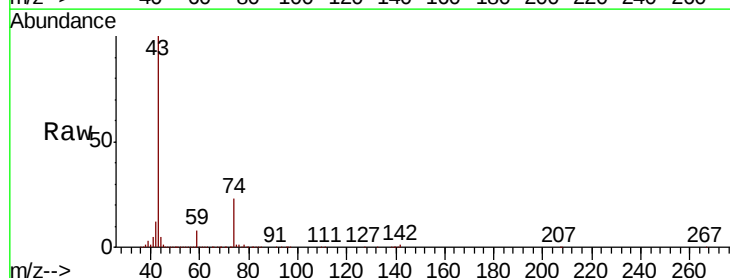
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

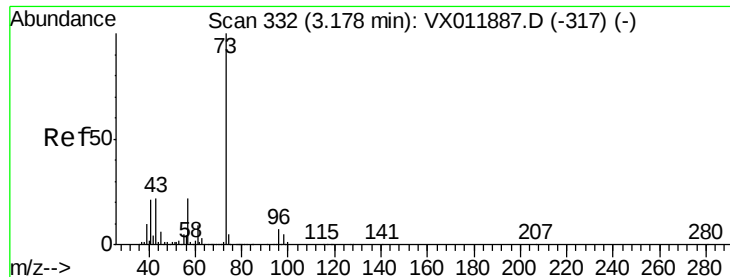
Tgt Ion: 76 Resp: 330019
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 51.680 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 43 Resp: 96022
Ion Ratio Lower Upper
43 100
74 23.9 18.4 27.6



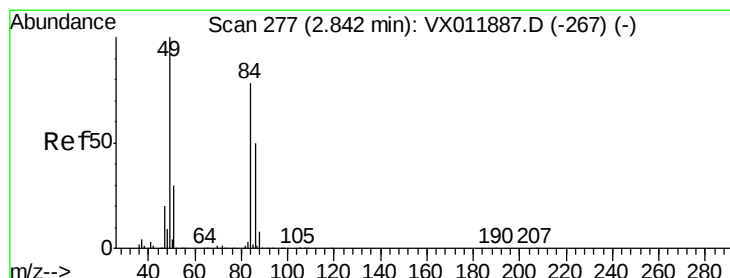
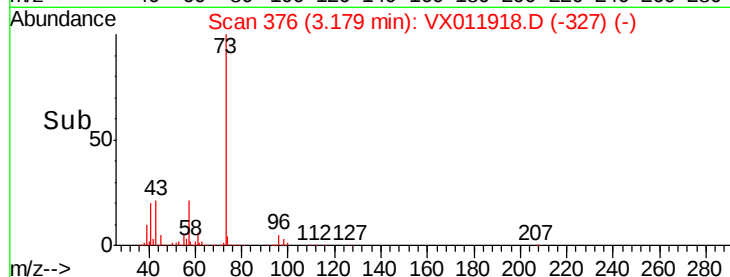
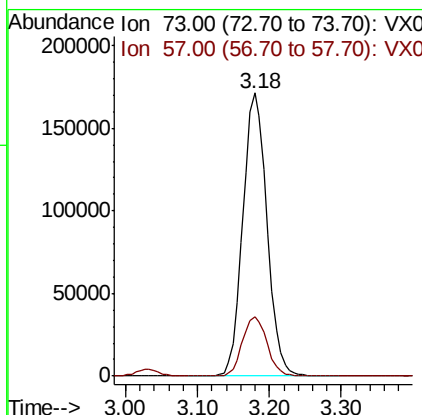
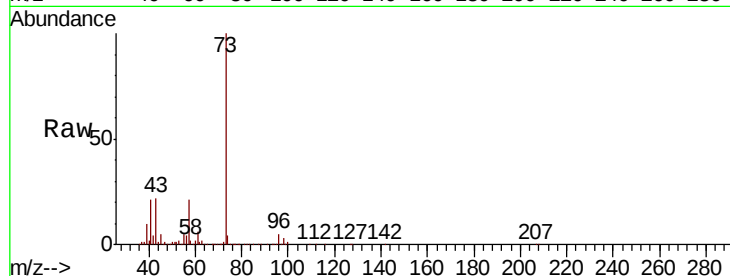


#19

Methyl tert-butyl Ether
 Concen: 53.718 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

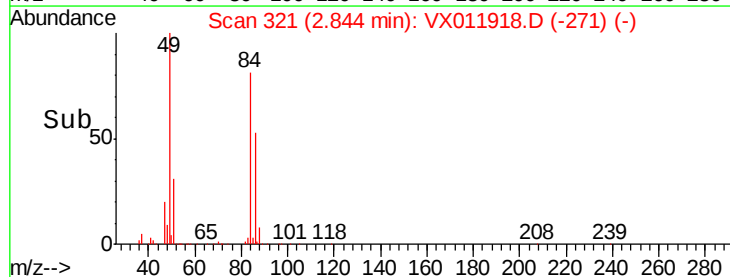
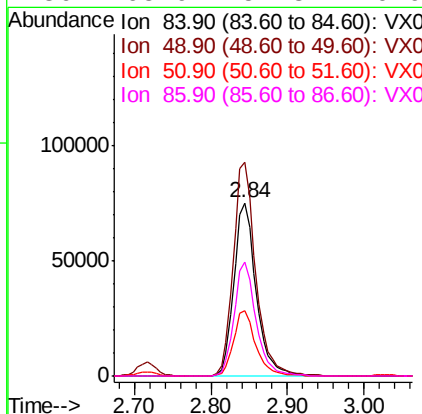
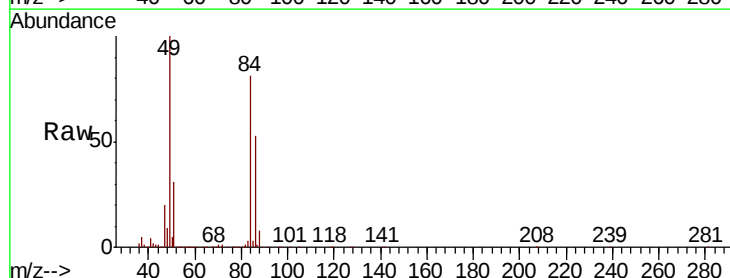
Tgt Ion: 73 Resp: 397980
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.4 26.0

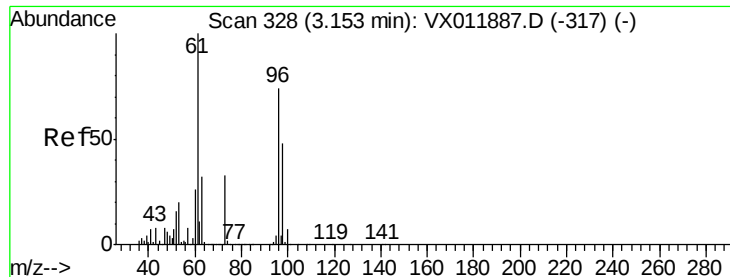


#20

Methylene Chloride
 Concen: 53.331 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion: 84 Resp: 151803
 Ion Ratio Lower Upper
 84 100
 49 123.4 103.0 154.4
 51 37.8 30.8 46.2
 86 65.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.181 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

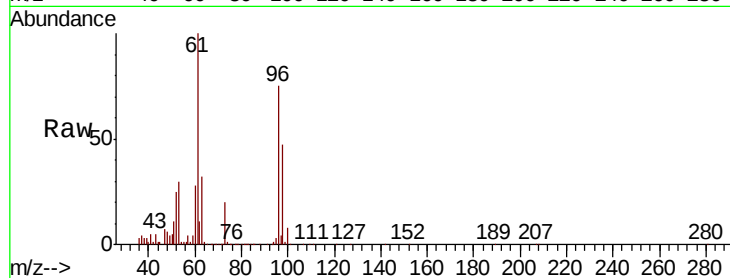
Tgt Ion: 96 Resp: 140566

Ion Ratio Lower Upper

96 100

61 132.6 107.4 161.2

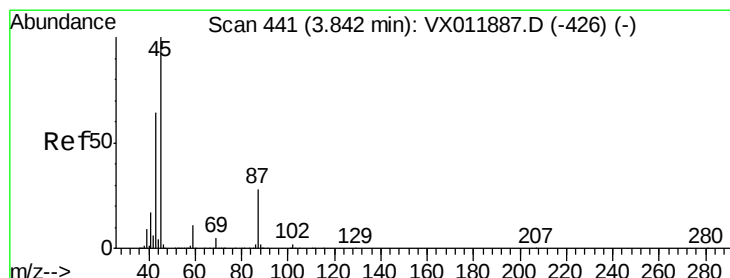
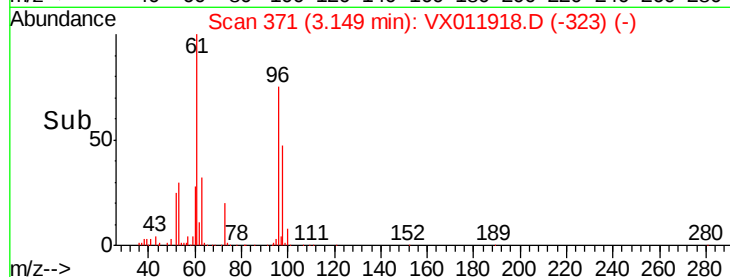
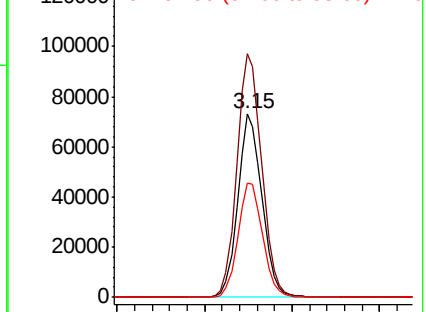
98 62.0 51.4 77.2



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



#22

Diisopropyl ether

Concen: 52.535 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion: 45 Resp: 460079

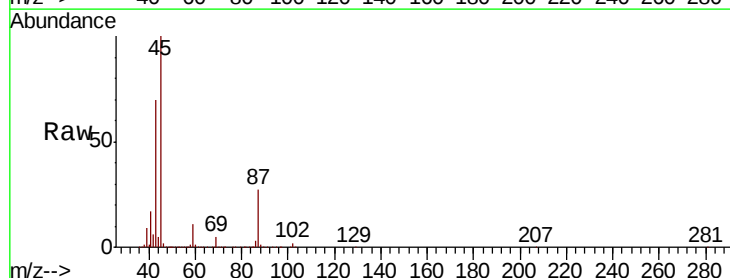
Ion Ratio Lower Upper

45 100

43 70.2 51.0 76.6

87 27.0 22.0 33.0

59 11.4 9.1 13.7

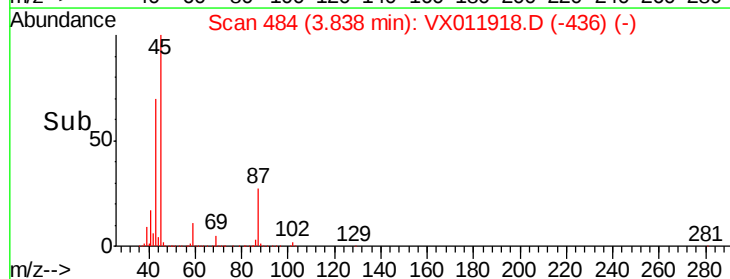
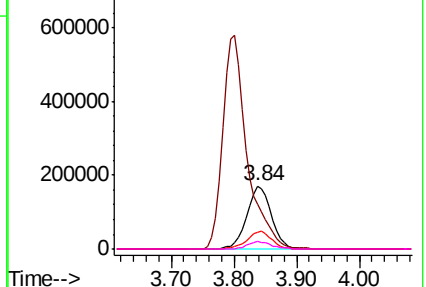


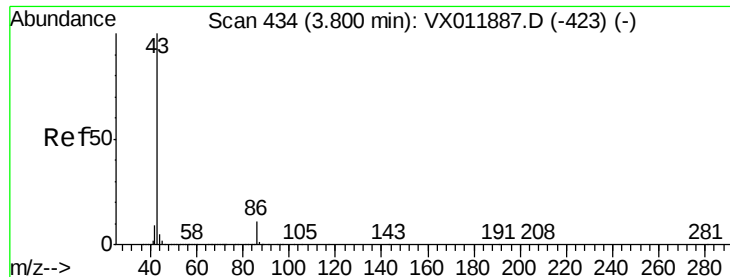
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 275.152 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

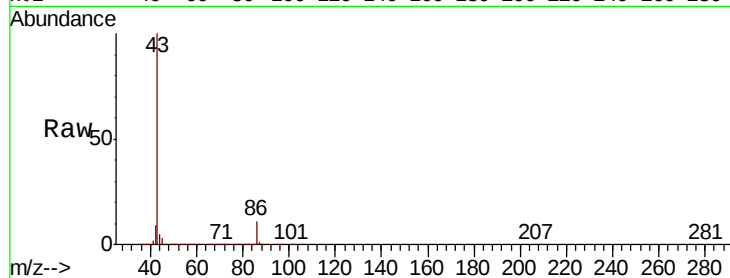
VSTDCCC050EC

Tgt Ion: 43 Resp: 1549241

Ion Ratio Lower Upper

43 100

86 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.80

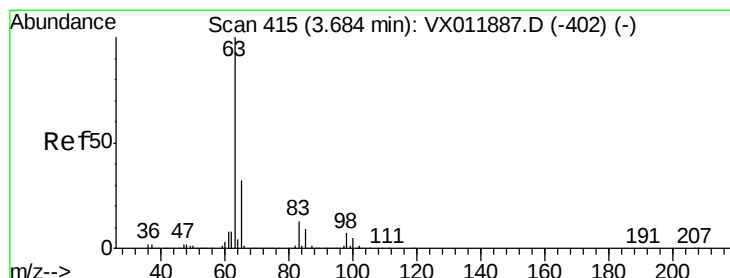
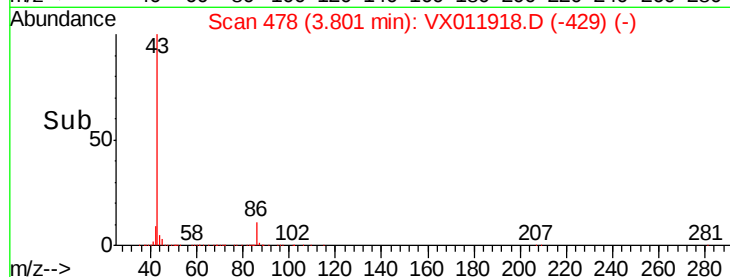
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.571 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

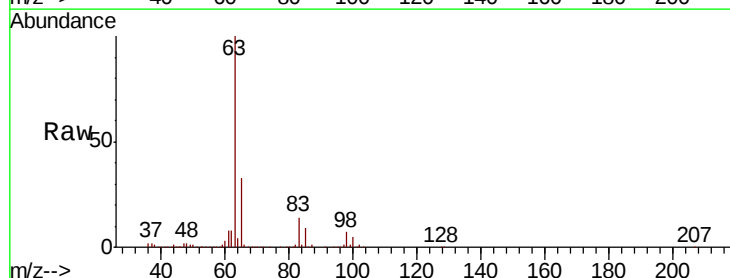
Tgt Ion: 63 Resp: 253883

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.7 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

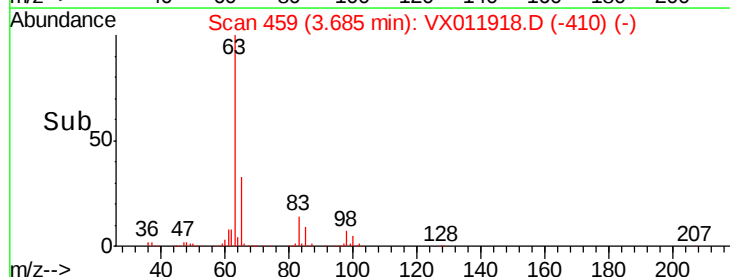
3.69

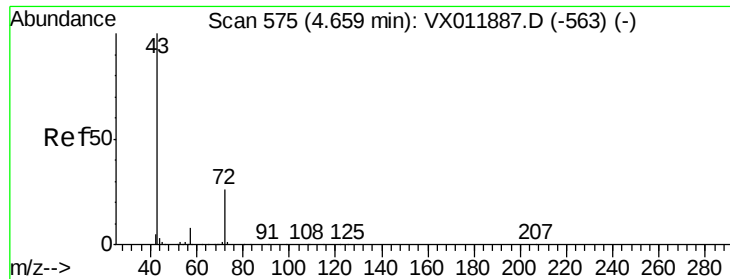
100000

50000

0

Time-->





#25

2-Butanone

Concen: 279.007 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

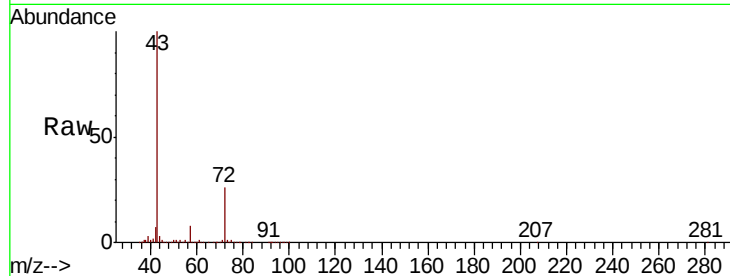
VSTDCCC050EC

Tgt Ion: 43 Resp: 272755

Ion Ratio Lower Upper

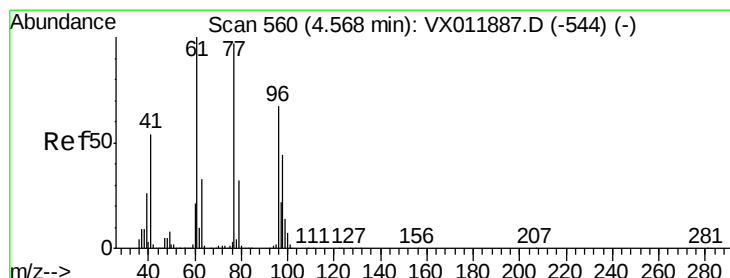
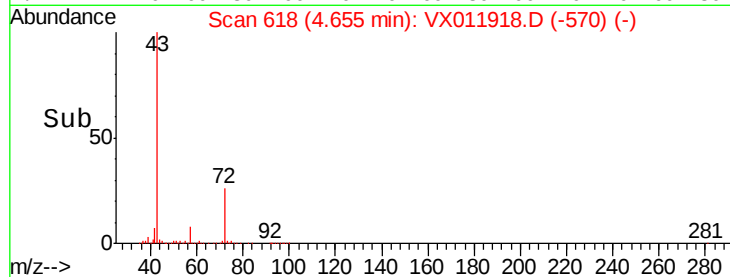
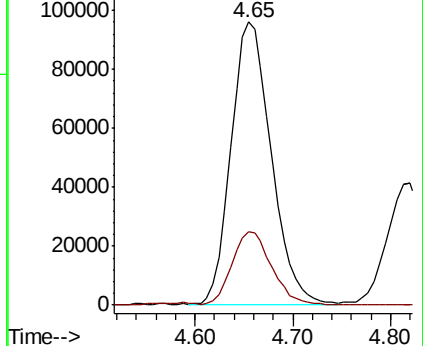
43 100

72 25.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 52.323 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX011918.D

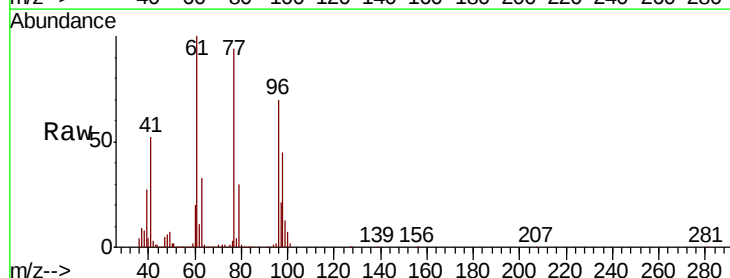
Acq: 30 Aug 2019 20:09

Tgt Ion: 77 Resp: 211934

Ion Ratio Lower Upper

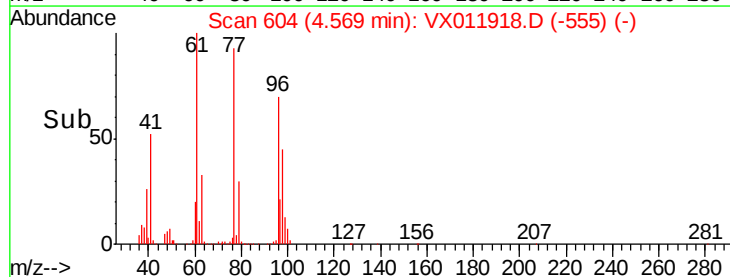
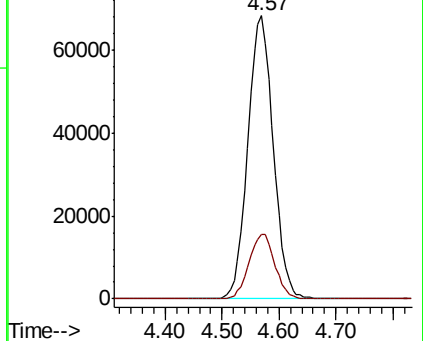
77 100

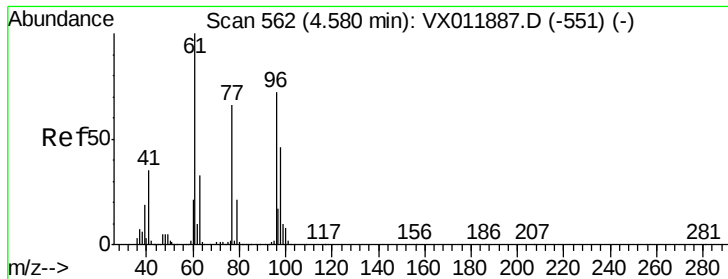
97 23.3 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



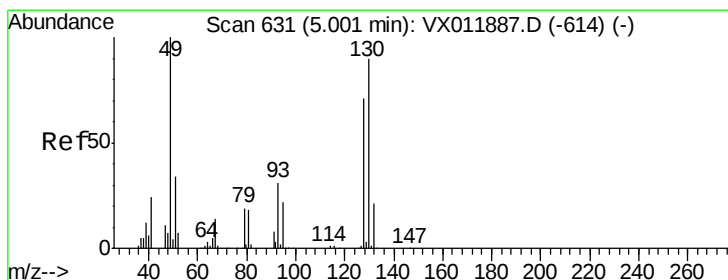
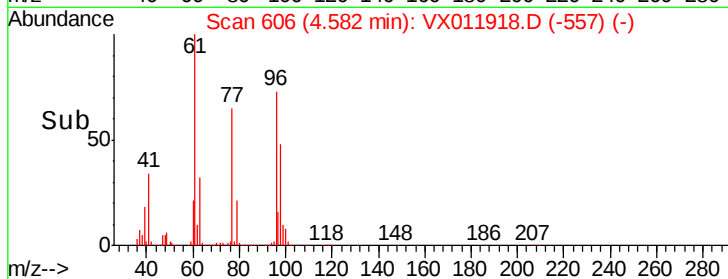
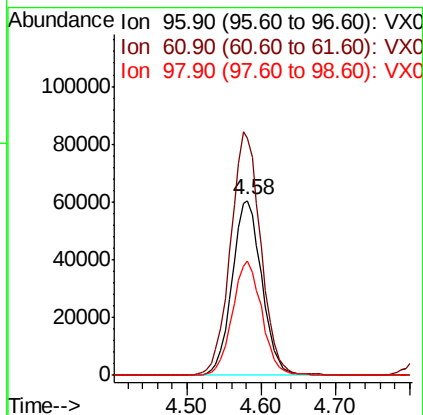
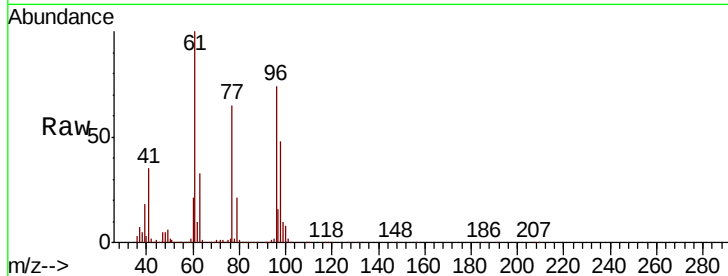


#27

cis-1,2-Dichloroethene
 Concen: 53.196 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

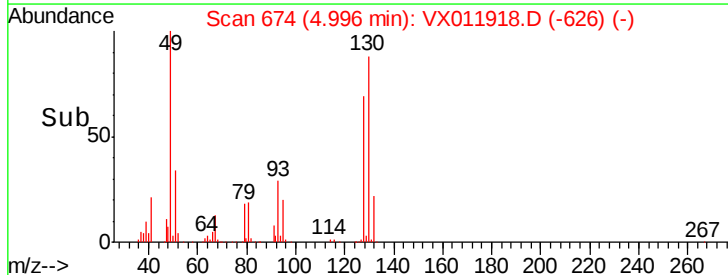
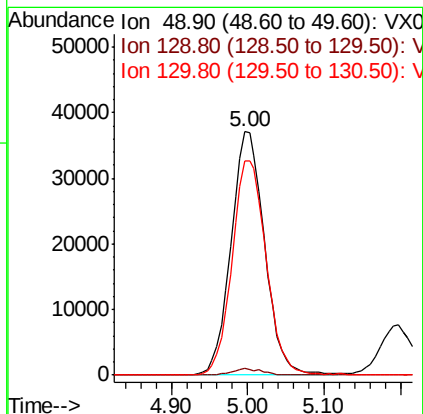
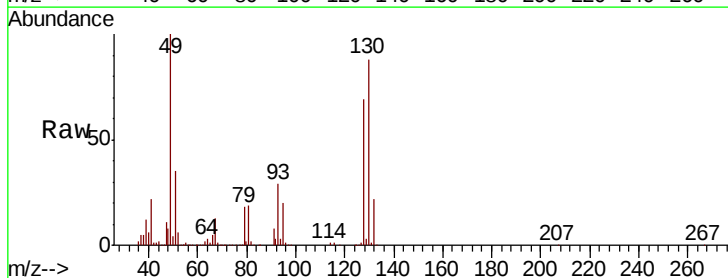
Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	283.8
98	65.0	0.0	131.2

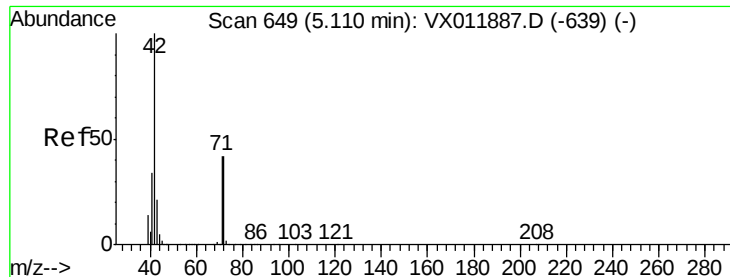


#28

Bromochloromethane
 Concen: 52.120 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	89.4	70.6	105.8





#29

Tetrahydrofuran

Concen: 275.332 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

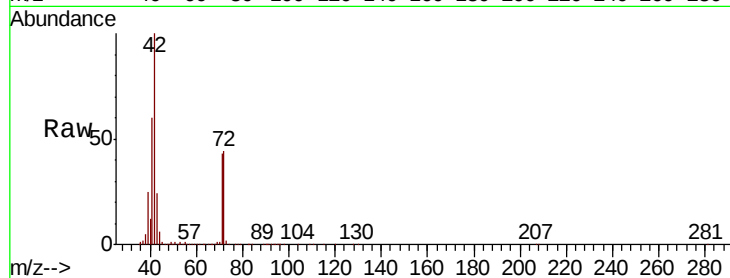
Tgt Ion: 42 Resp: 168001

Ion Ratio Lower Upper

42 100

72 46.2 36.2 54.4

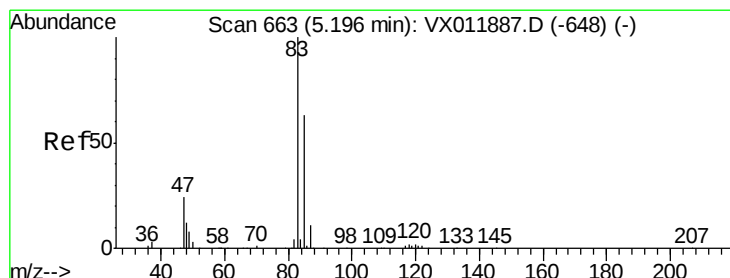
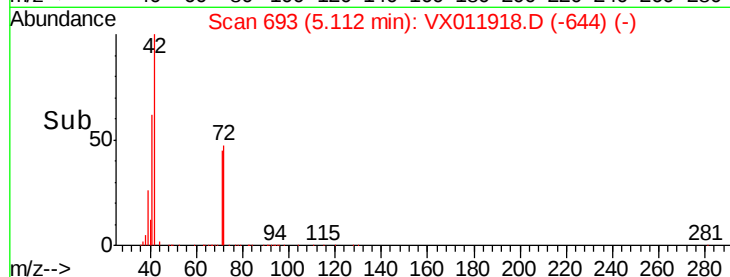
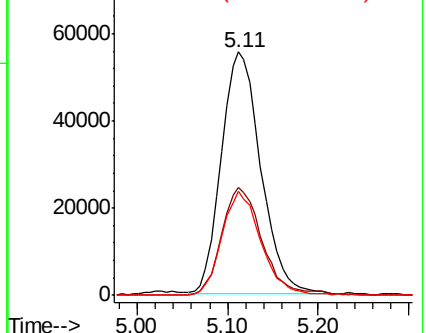
71 42.1 33.1 49.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 53.047 ug/l

RT: 5.19 min Scan# 706

Delta R.T. -0.00 min

Lab File: VX011918.D

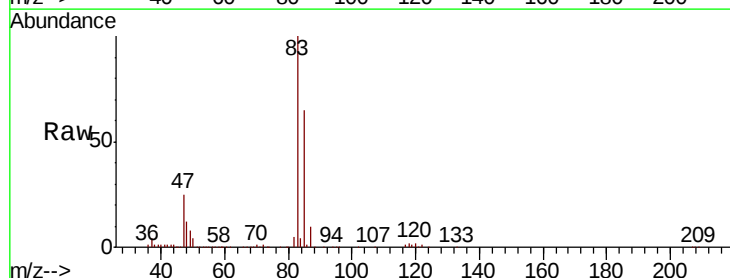
Acq: 30 Aug 2019 20:09

Tgt Ion: 83 Resp: 273917

Ion Ratio Lower Upper

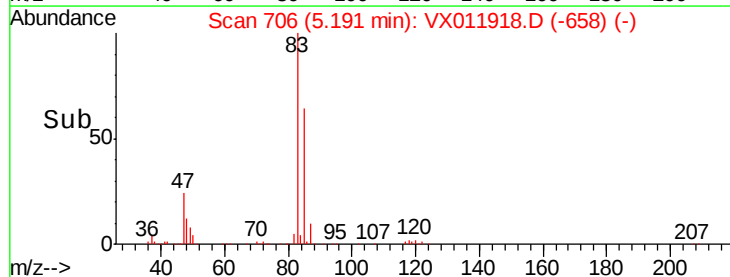
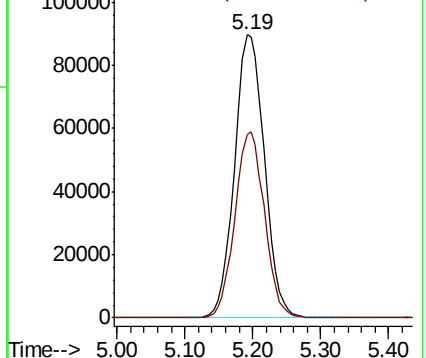
83 100

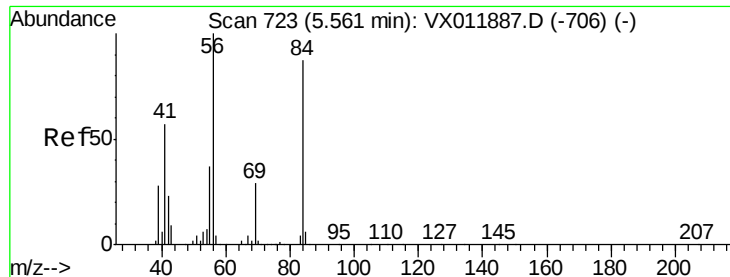
85 64.8 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

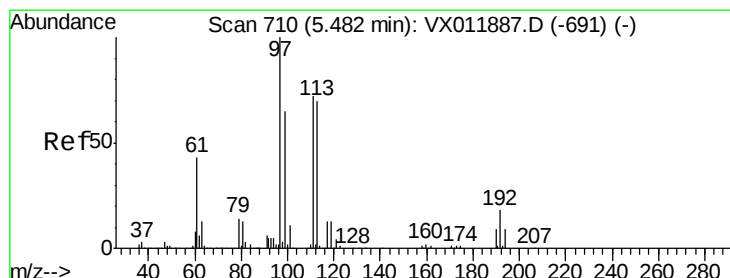
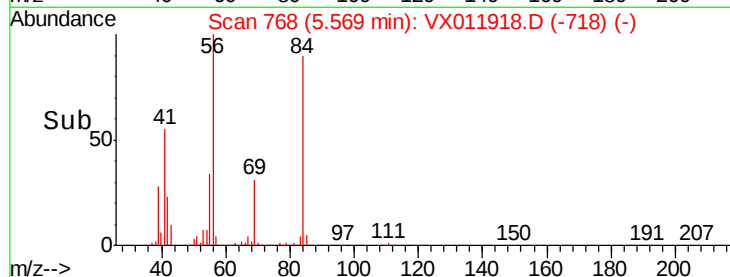
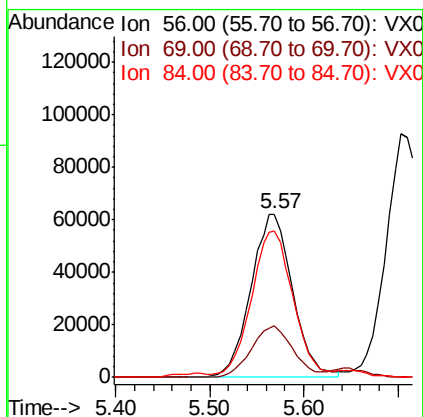
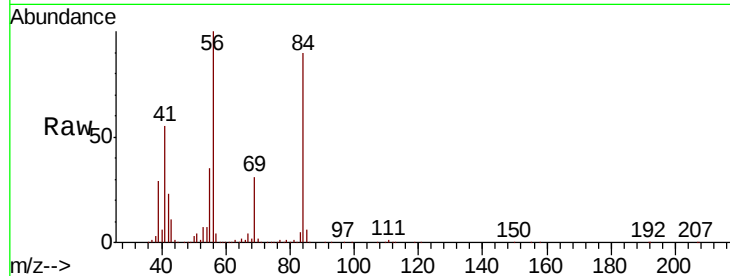




#31
Cyclohexane
Concen: 49.171 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

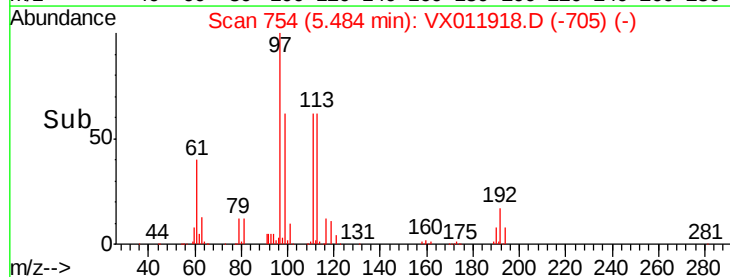
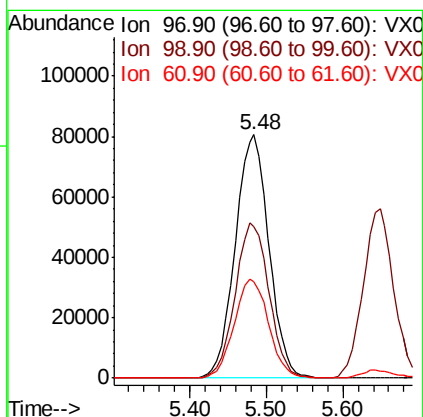
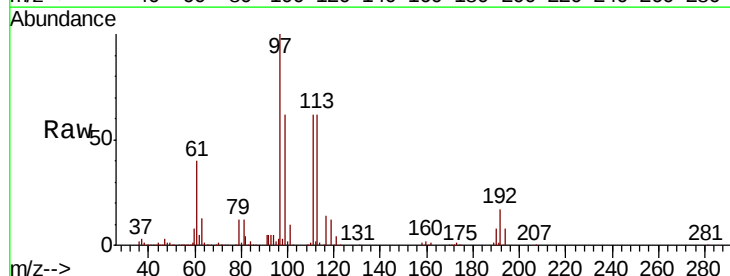
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

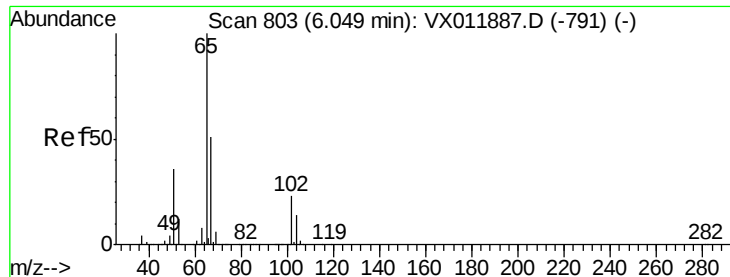
Tgt Ion: 56 Resp: 191535
Ion Ratio Lower Upper
56 100
69 31.2 23.1 34.7
84 87.9 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 53.664 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 97 Resp: 246152
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.8
61 41.5 33.8 50.6

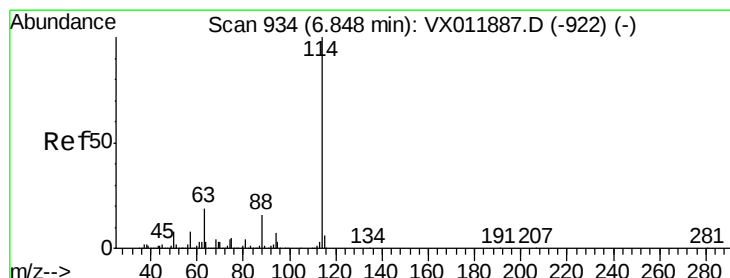
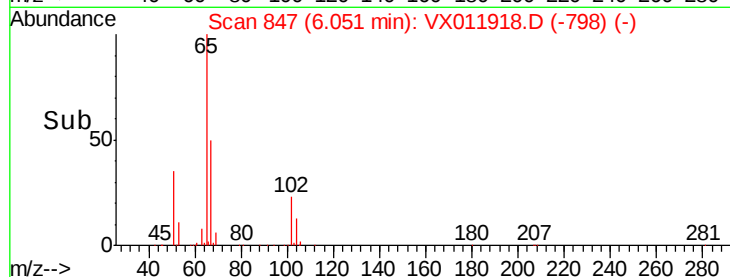
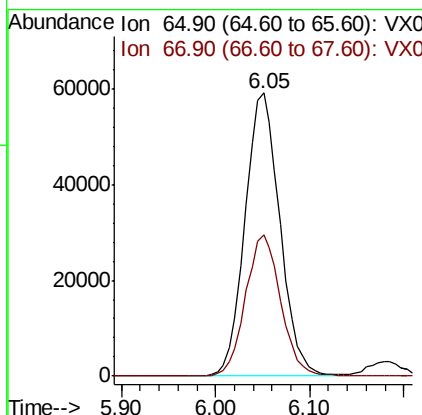
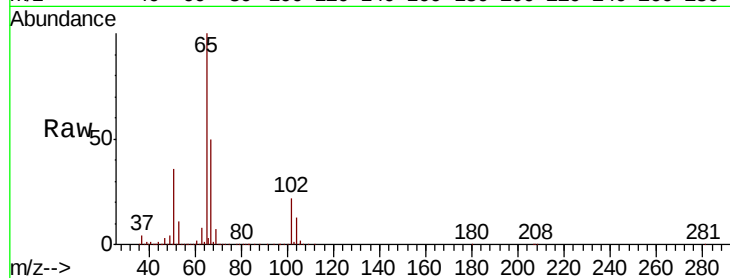




#33
 1,2-Dichloroethane-d4
 Concen: 49.048 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

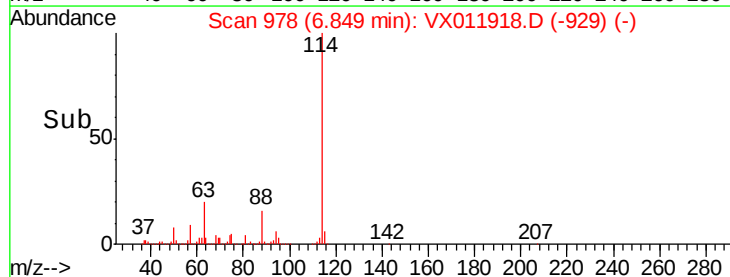
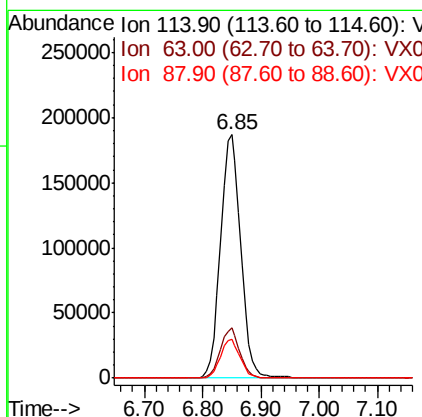
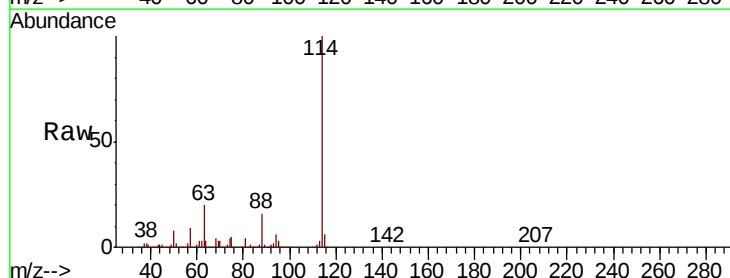
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

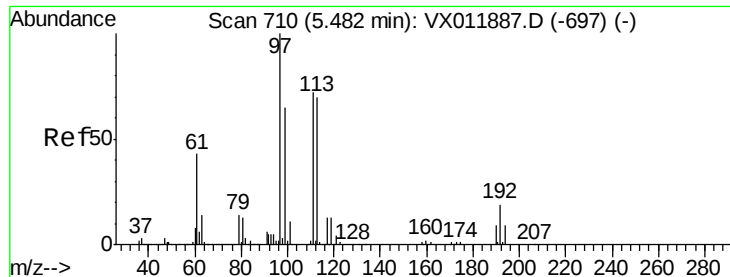
Tgt Ion: 65 Resp: 153010
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion: 114 Resp: 450629
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.8
 88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.104 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

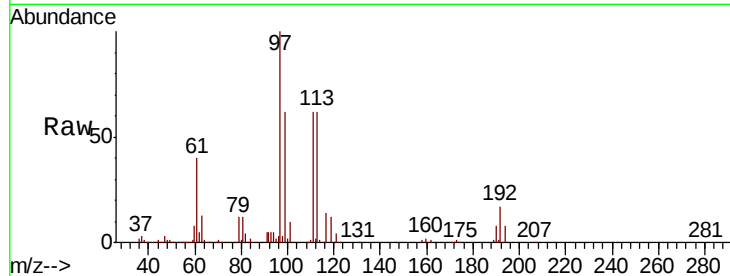
Tgt Ion:113 Resp: 141893

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

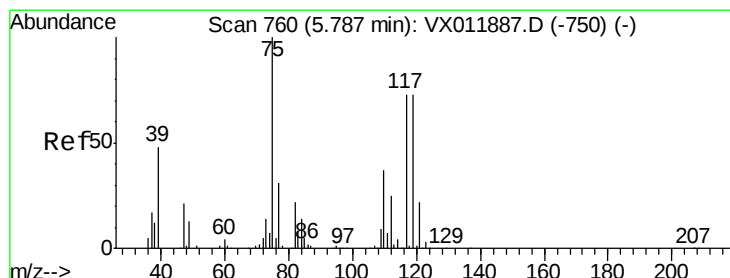
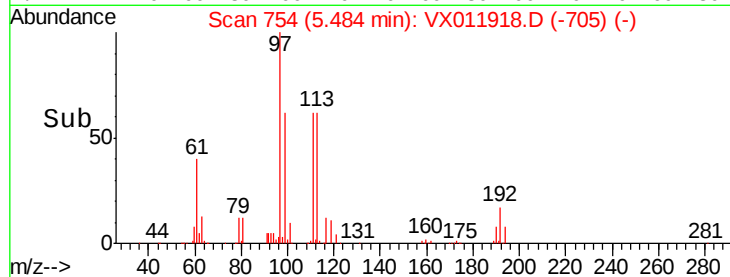
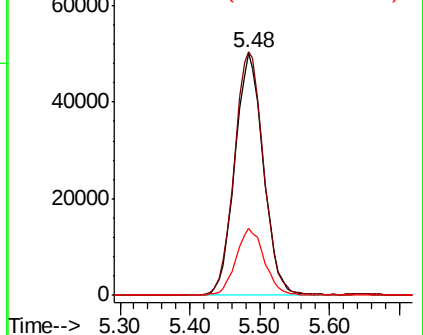
192 27.6 21.5 32.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.174 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

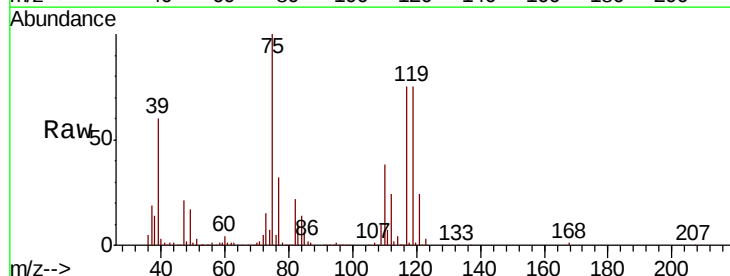
Tgt Ion: 75 Resp: 186266

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.3

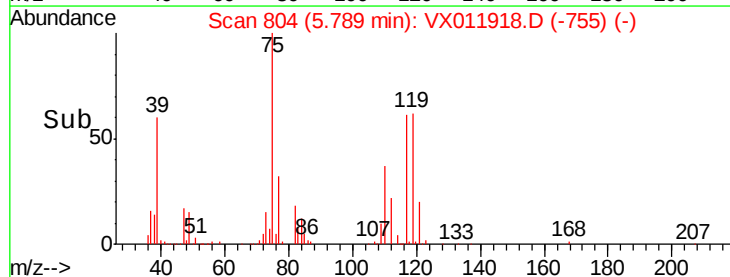
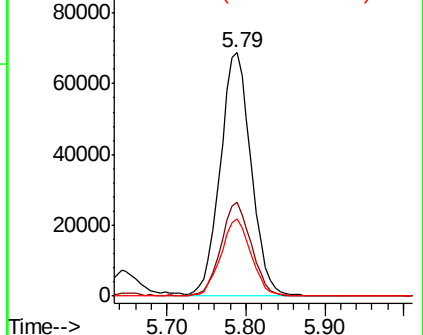
77 31.0 24.4 36.6

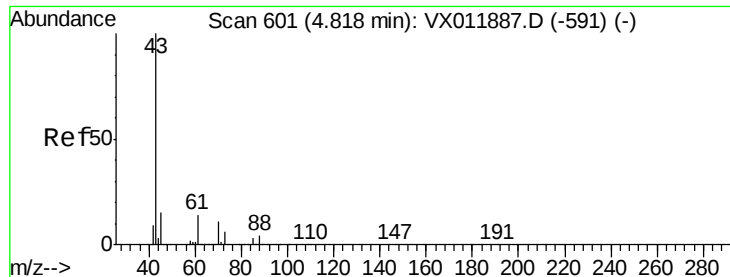


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

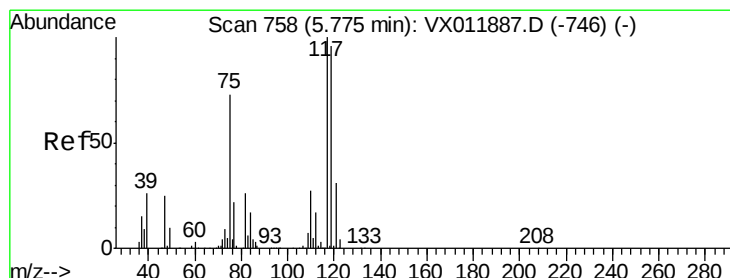
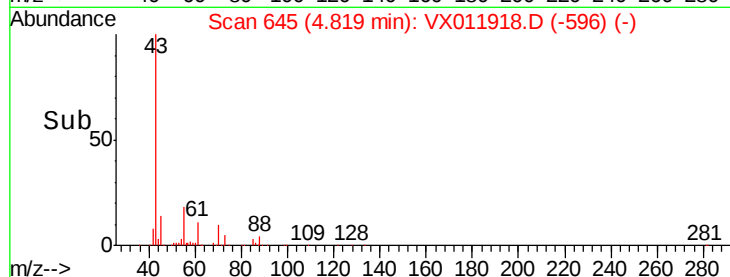
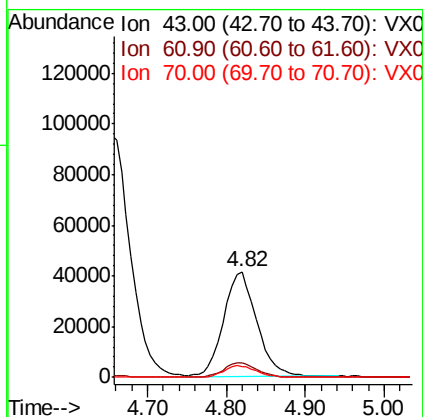
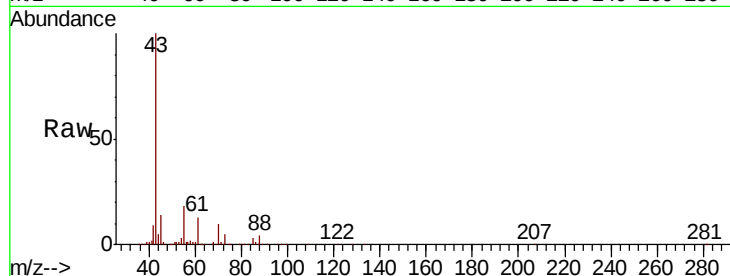




#37
Ethyl Acetate
Concen: 56.763 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

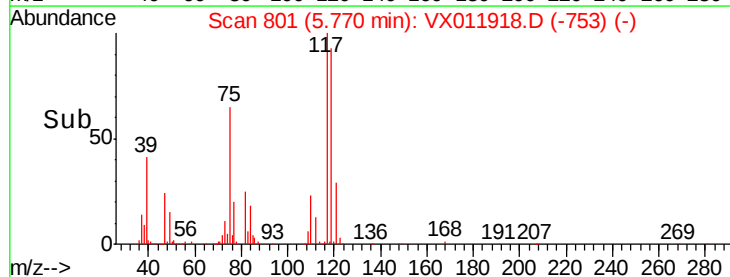
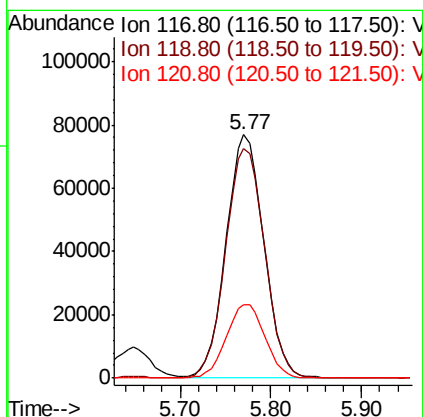
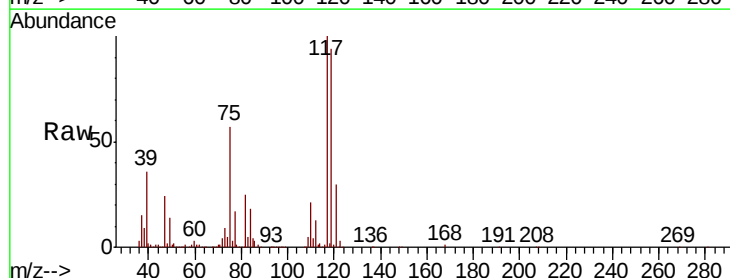
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

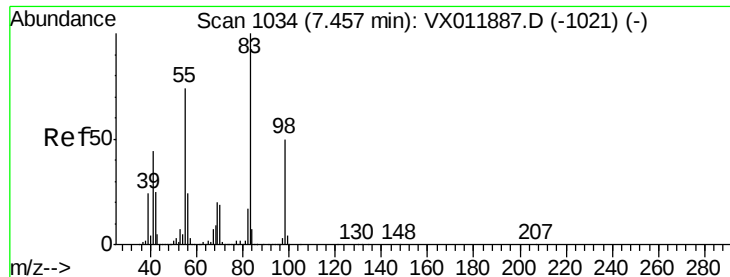
Tgt Ion: 43 Resp: 119955
Ion Ratio Lower Upper
43 100
61 13.6 11.0 16.4
70 11.4 9.2 13.8



#38
Carbon Tetrachloride
Concen: 53.766 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 117 Resp: 222615
Ion Ratio Lower Upper
117 100
119 94.3 76.6 114.8
121 30.1 24.7 37.1

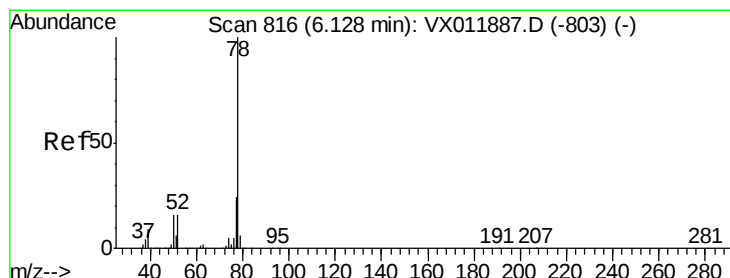
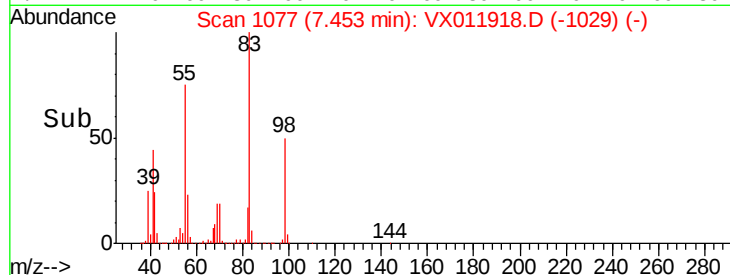
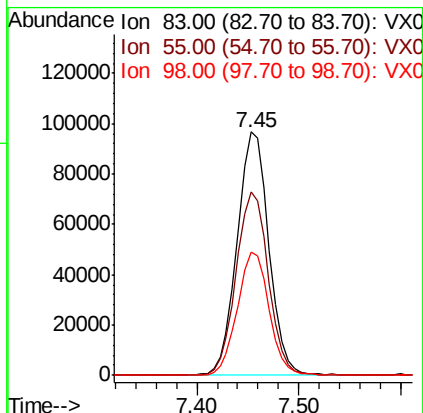
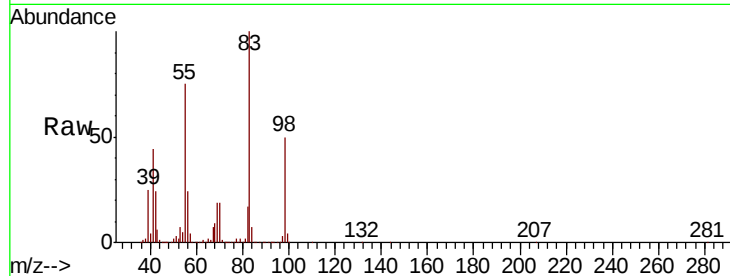




#39
Methylcyclohexane
Concen: 49.196 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

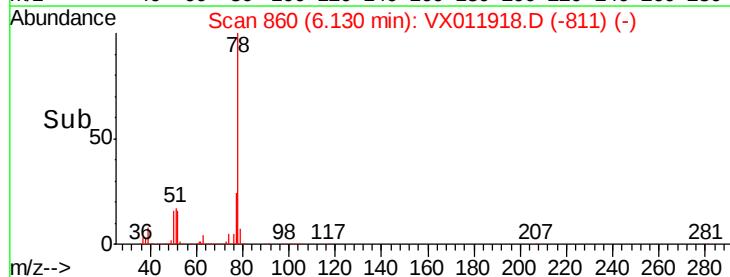
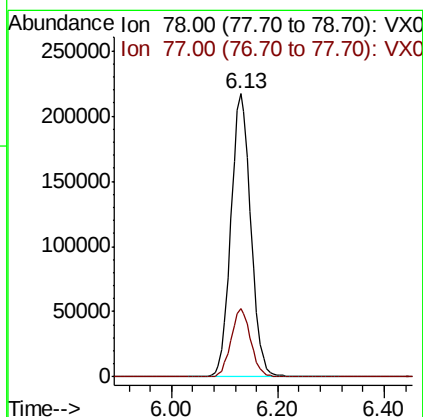
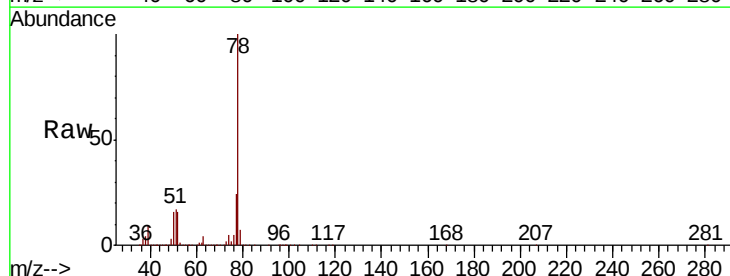
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

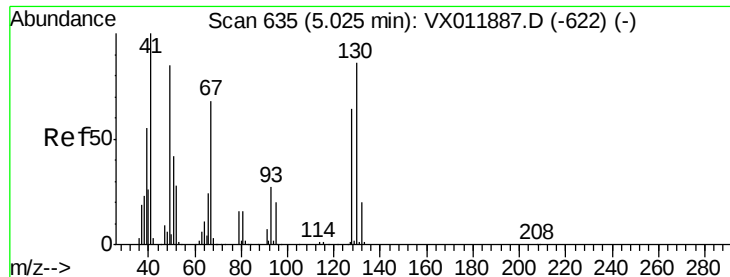
Tgt Ion: 83 Resp: 209197
Ion Ratio Lower Upper
83 100
55 75.1 59.4 89.0
98 50.4 40.3 60.5



#40
Benzene
Concen: 53.239 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 78 Resp: 567342
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

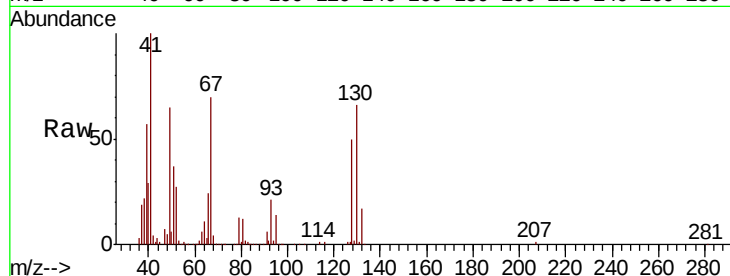




#41
Methacrylonitrile
Concen: 56.514 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	70320
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.0	67.6
67	68.8	55.0	82.4
52	29.0	24.1	36.1



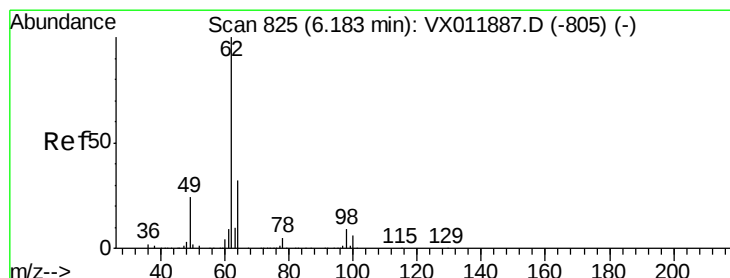
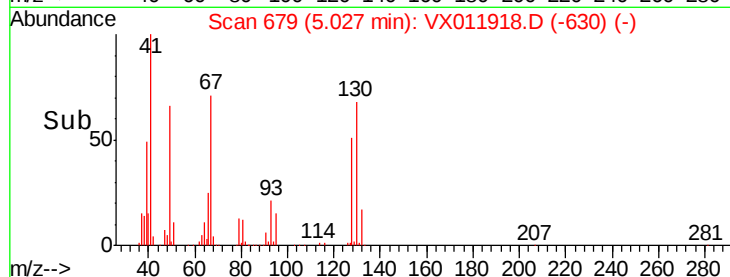
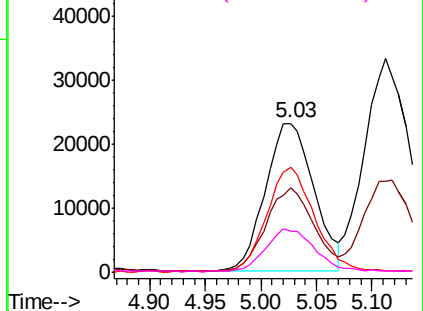
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

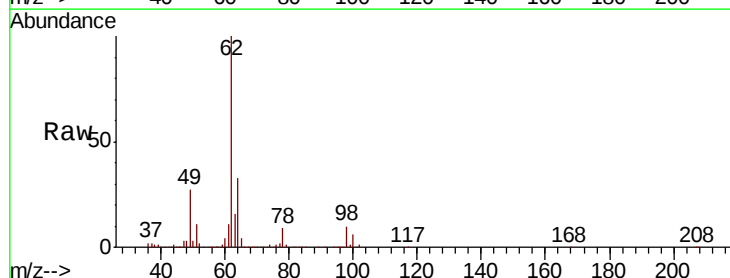
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 54.805 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

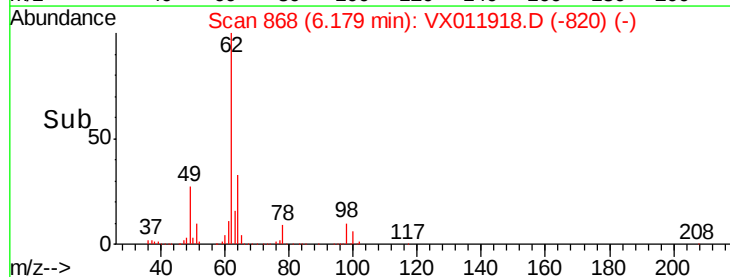
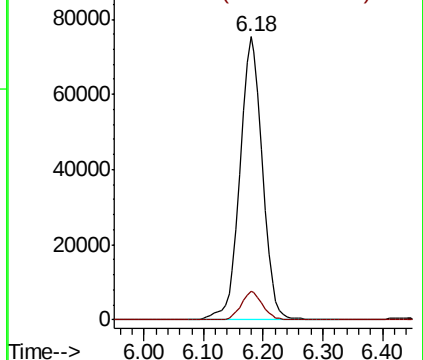
Tgt Ion:	62	Resp:	198612
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.2

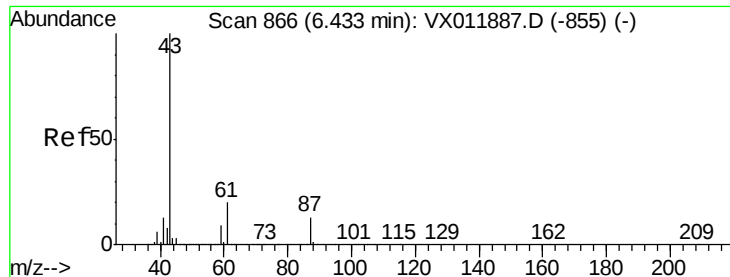


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 55.516 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

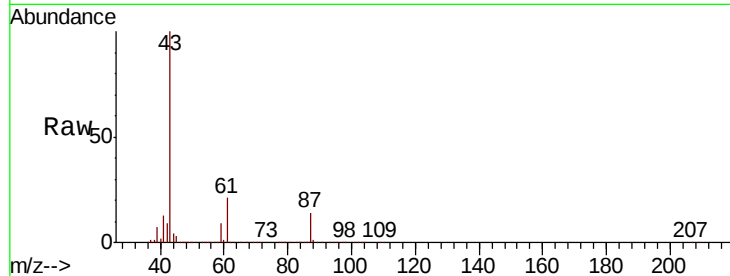
Tgt Ion: 43 Resp: 237862

Ion Ratio Lower Upper

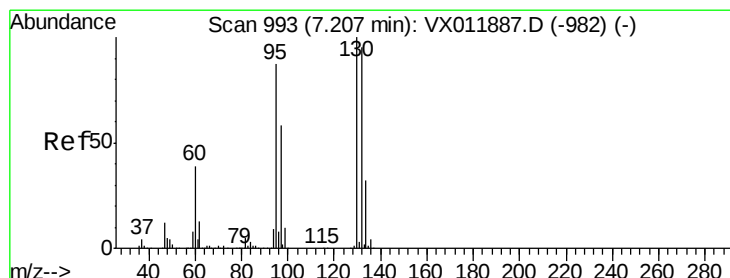
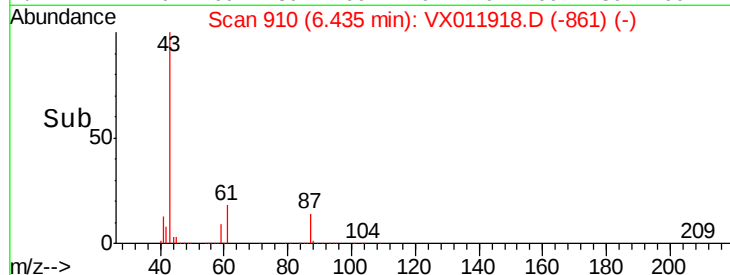
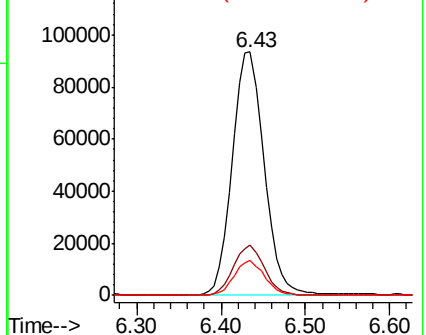
43 100

61 20.1 16.1 24.1

87 13.6 10.6 16.0



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



#44

Trichloroethene

Concen: 53.024 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX011918.D

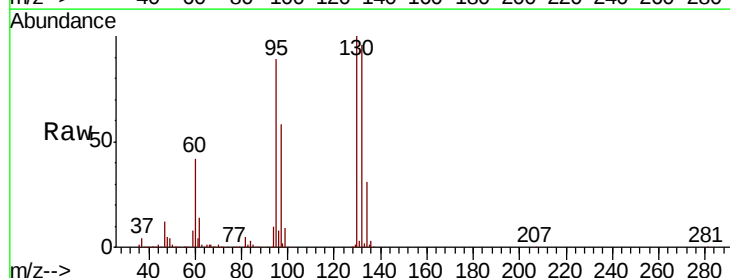
Acq: 30 Aug 2019 20:09

Tgt Ion: 130 Resp: 174827

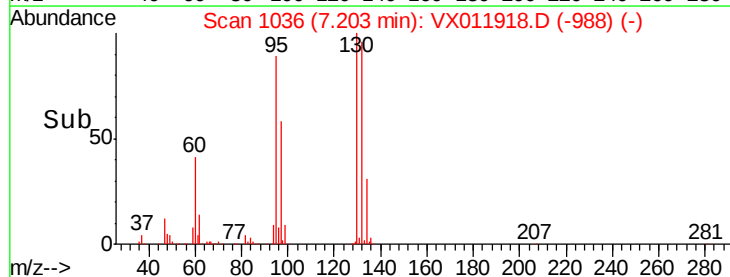
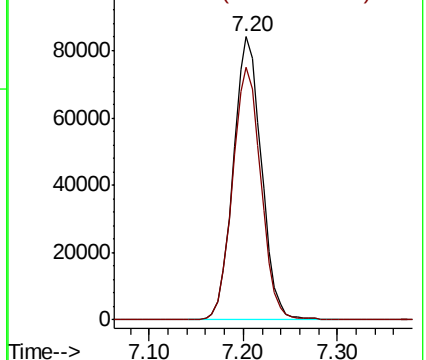
Ion Ratio Lower Upper

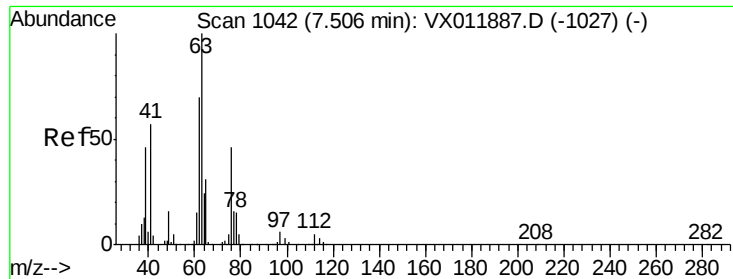
130 100

95 89.0 0.0 174.6



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





#45

1,2-Dichloropropane

Concen: 53.445 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

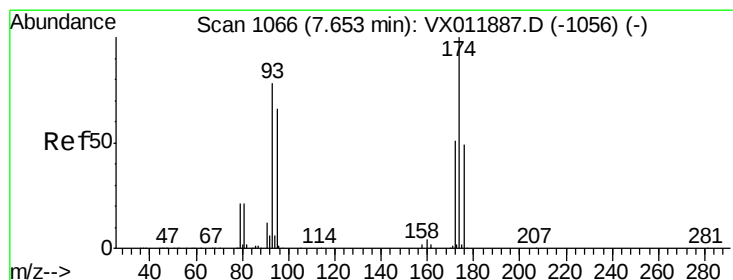
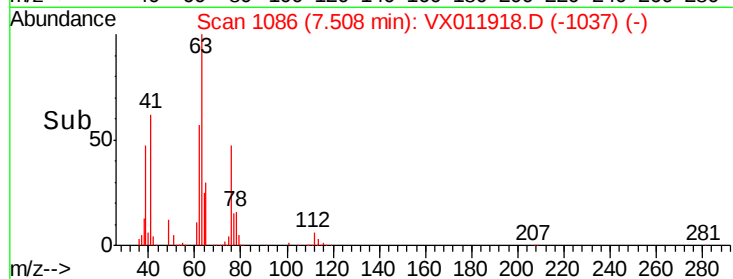
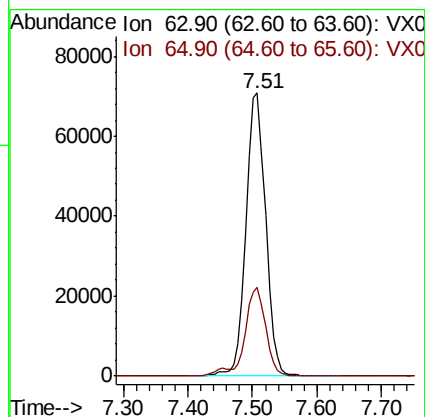
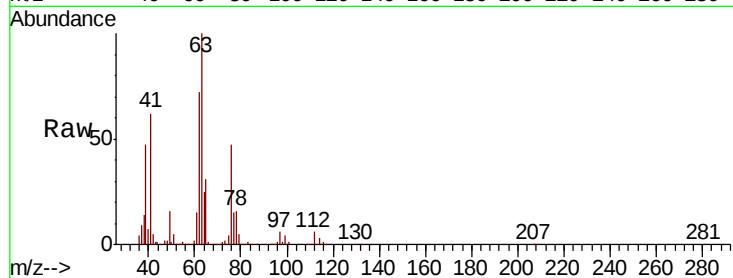
VSTDCCC050EC

Tgt Ion: 63 Resp: 148978

Ion Ratio Lower Upper

63 100

65 31.3 25.1 37.7



#46

Dibromomethane

Concen: 53.842 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

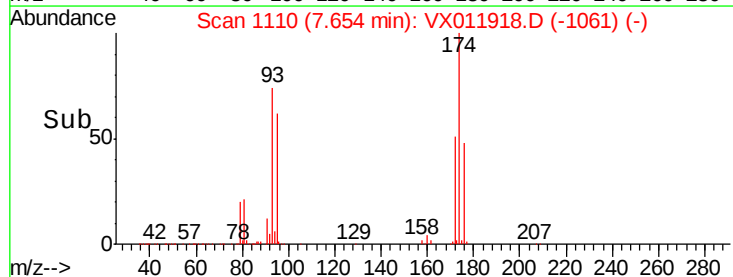
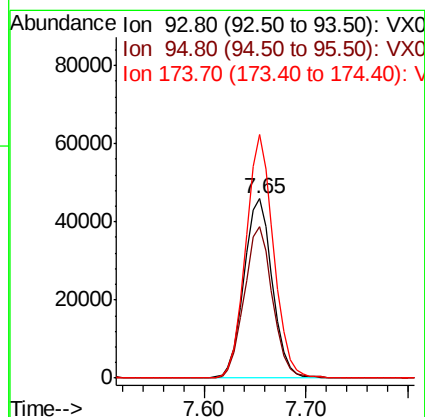
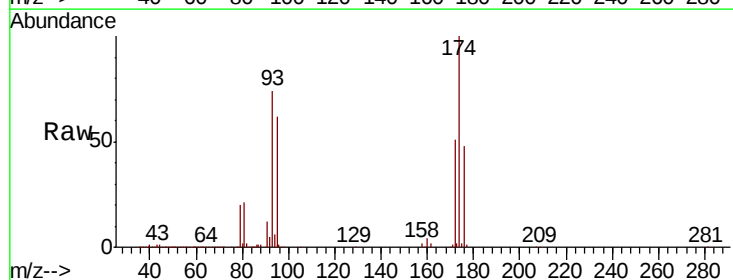
Tgt Ion: 93 Resp: 89071

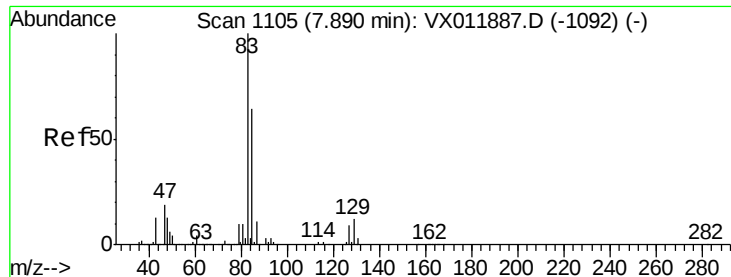
Ion Ratio Lower Upper

93 100

95 83.4 65.7 98.5

174 132.5 104.2 156.4





#47

Bromodichloromethane

Concen: 54.144 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

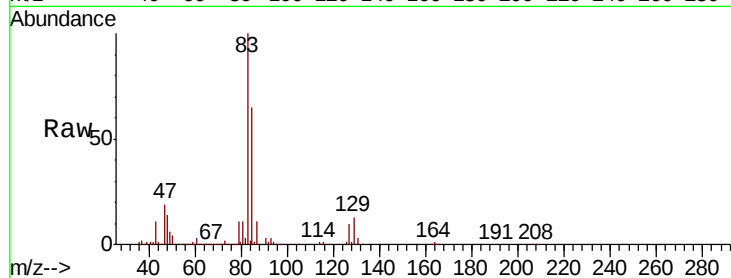
Tgt Ion: 83 Resp: 222109

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

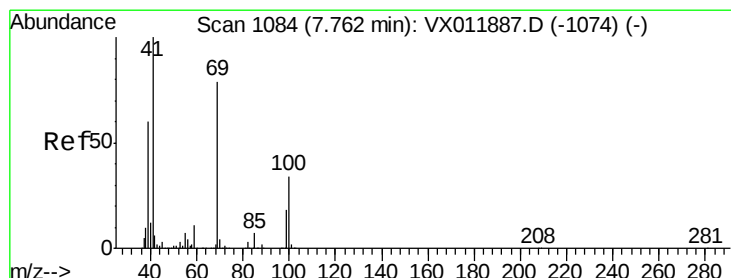
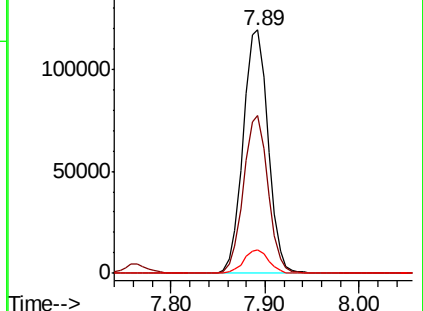
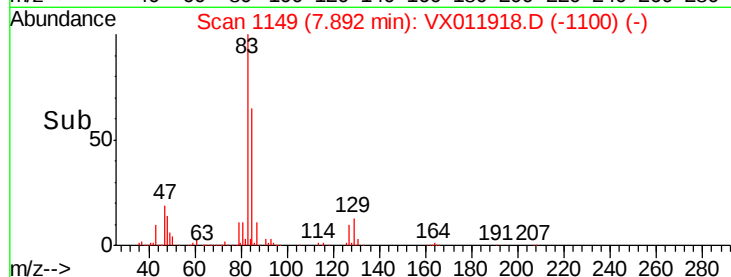
127 9.7 7.4 11.2



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: 56.570 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

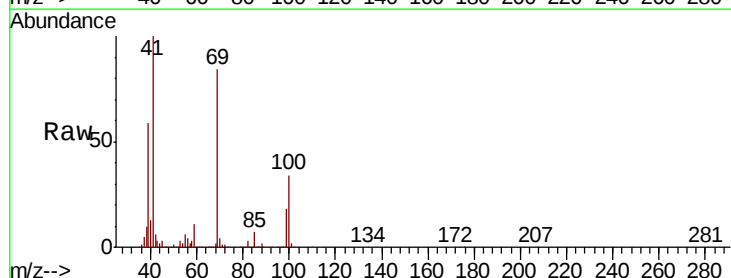
Tgt Ion: 41 Resp: 117931

Ion Ratio Lower Upper

41 100

69 79.7 64.4 96.6

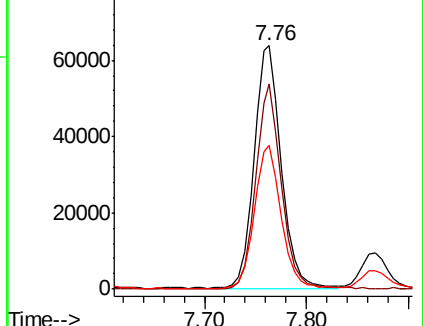
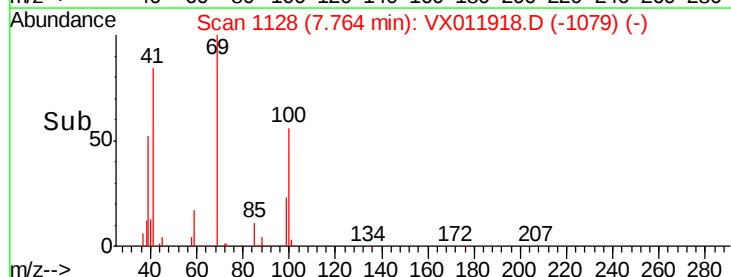
39 58.5 47.2 70.8

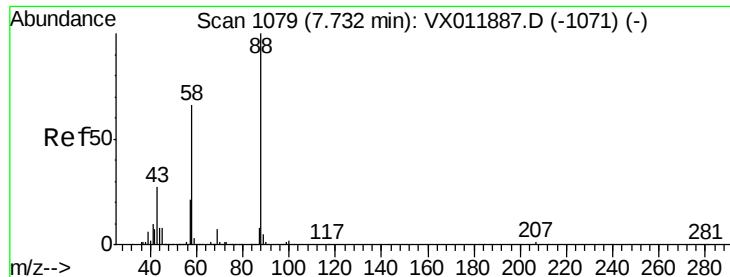


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

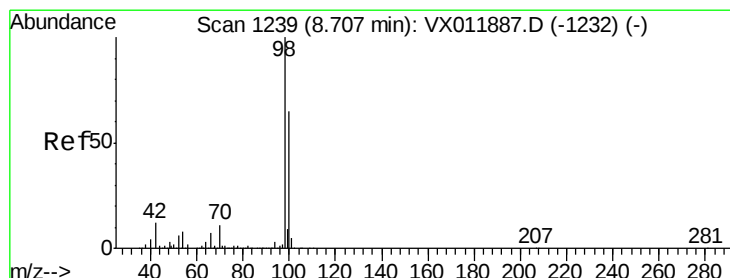
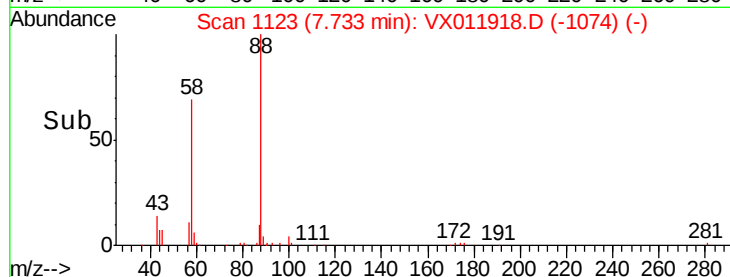
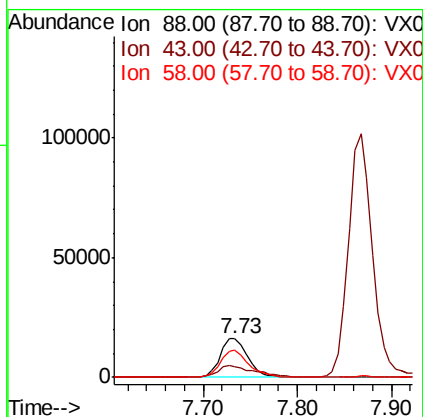
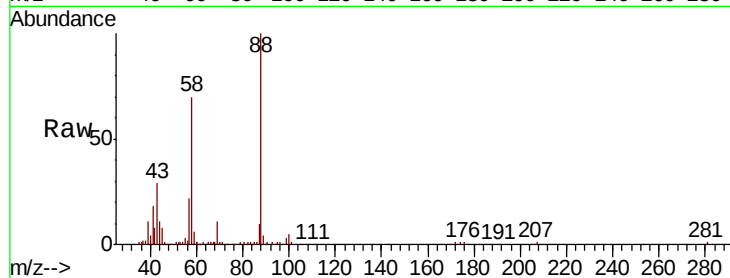




#49
1,4-Dioxane
Concen: 1157.629 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

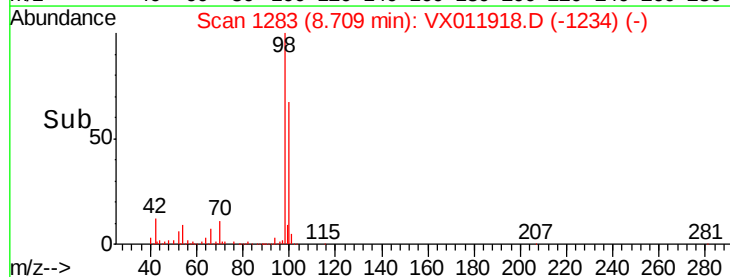
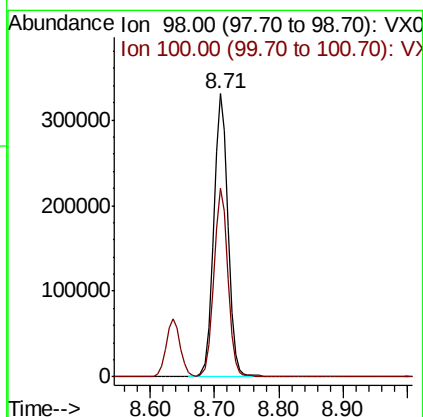
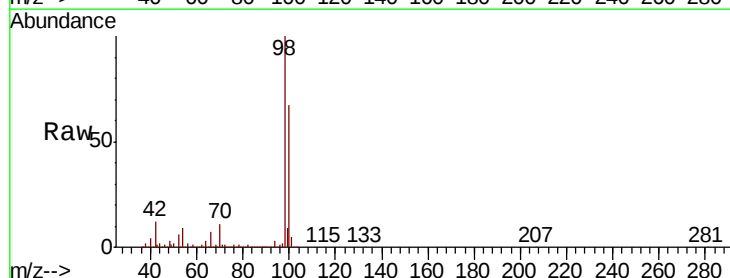
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

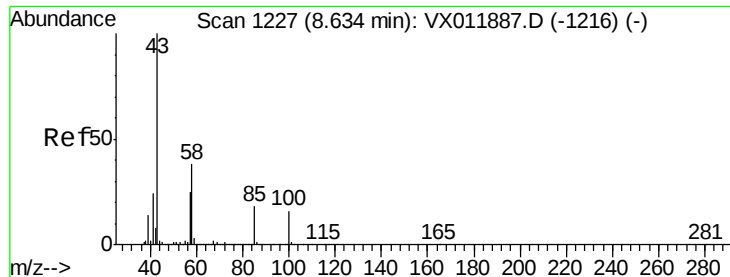
Tgt Ion: 88 Resp: 33186
Ion Ratio Lower Upper
88 100
43 35.3 27.3 40.9
58 69.8 53.9 80.9



#50
Toluene-d8
Concen: 49.965 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 98 Resp: 516117
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6

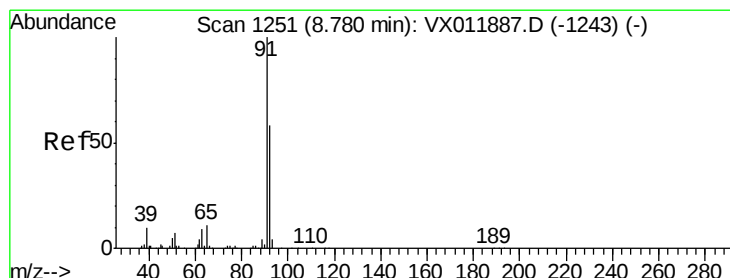
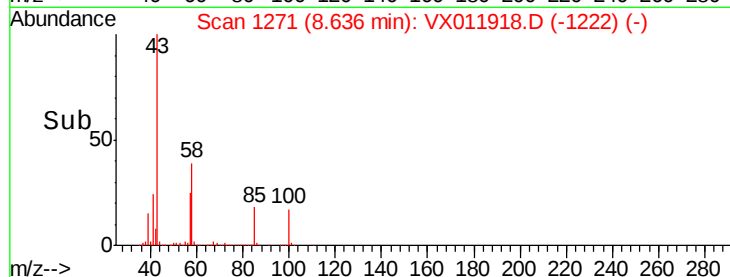
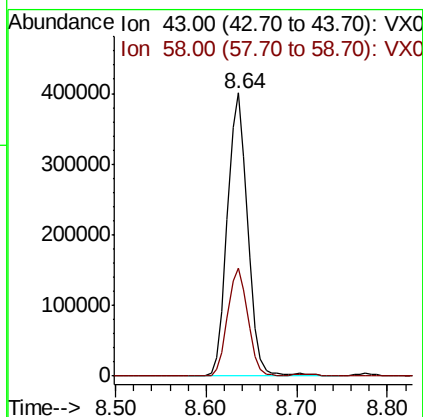
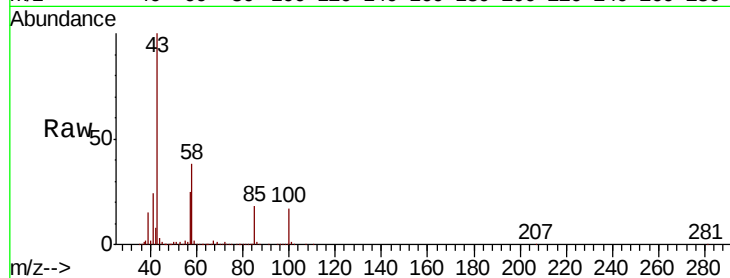




#51
 4-Methyl-2-Pentanone
 Concen: 286.131 ug/l
 RT: 8.64 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

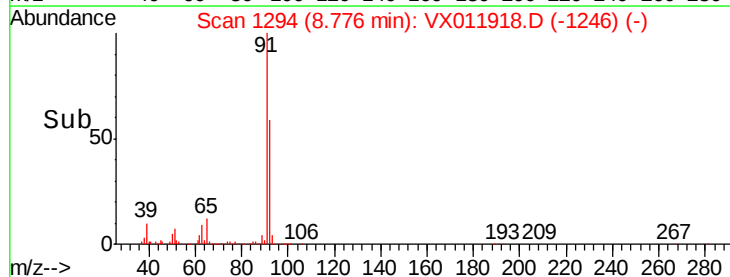
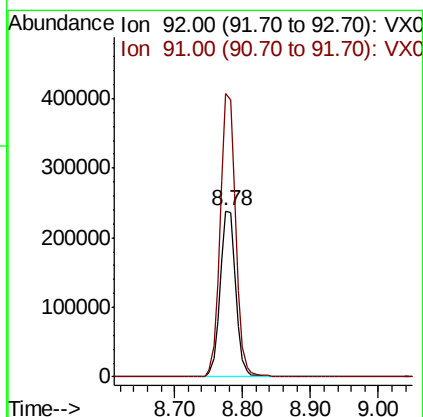
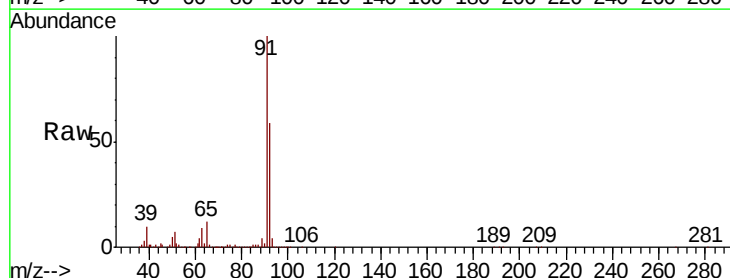
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

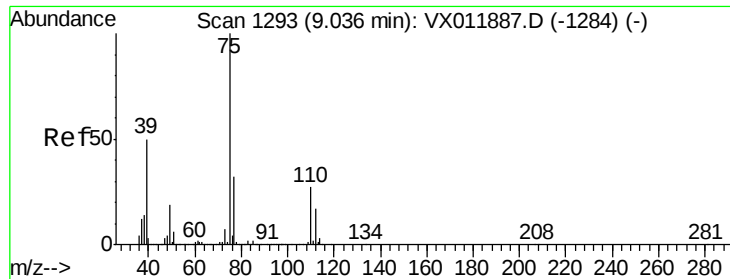
Tgt Ion: 43 Resp: 622788
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 53.490 ug/l
 RT: 8.78 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion: 92 Resp: 377109
 Ion Ratio Lower Upper
 92 100
 91 169.9 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 53.923 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

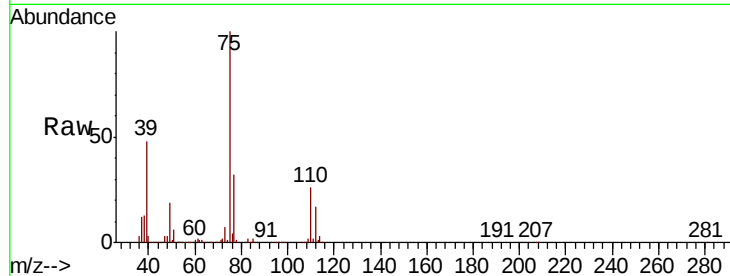
VSTDCCC050EC

Tgt Ion: 75 Resp: 226584

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

150000

100000

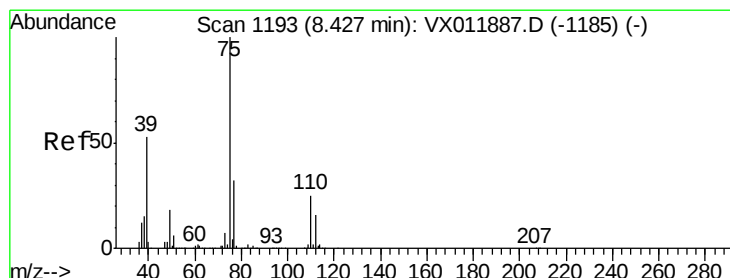
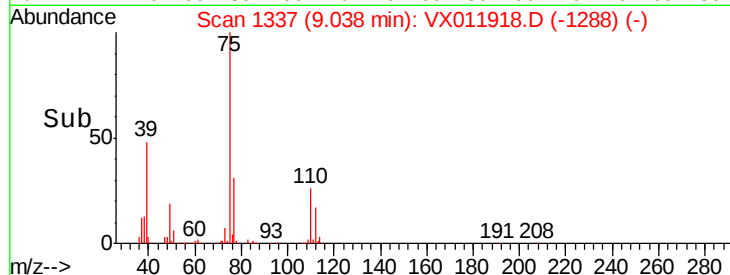
50000

0

9.04

9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.199 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

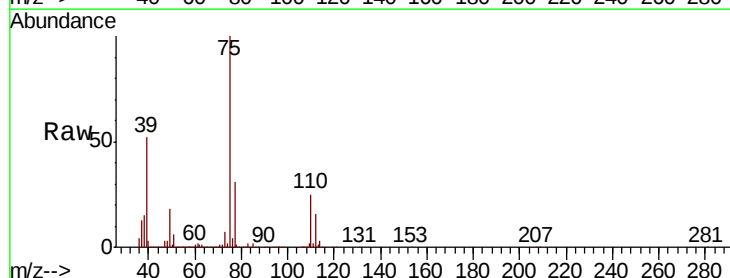
Tgt Ion: 75 Resp: 250938

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 51.8 42.6 64.0



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

200000

150000

100000

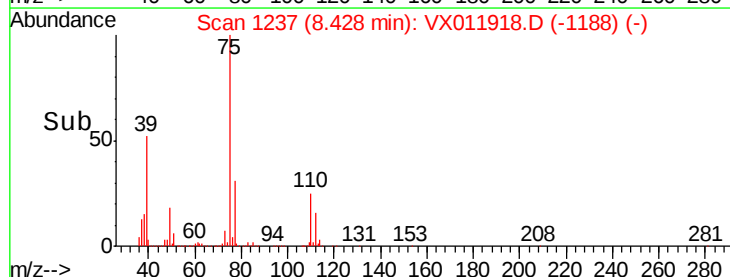
50000

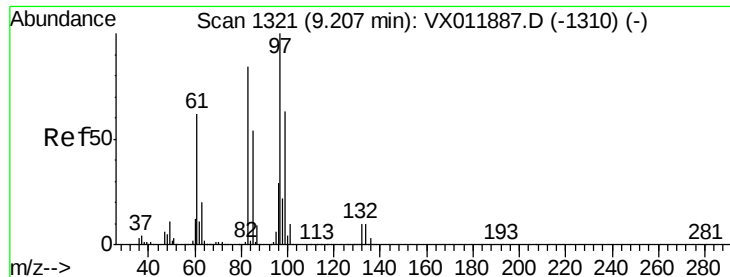
0

8.43

8.50

Time-->

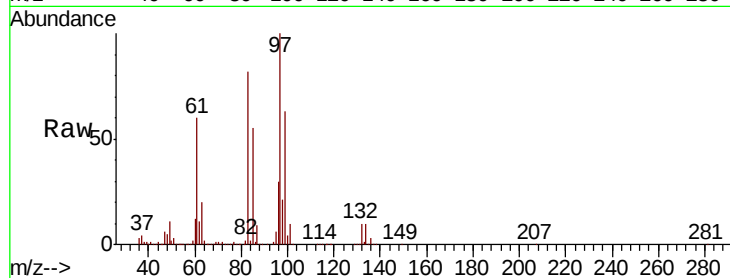




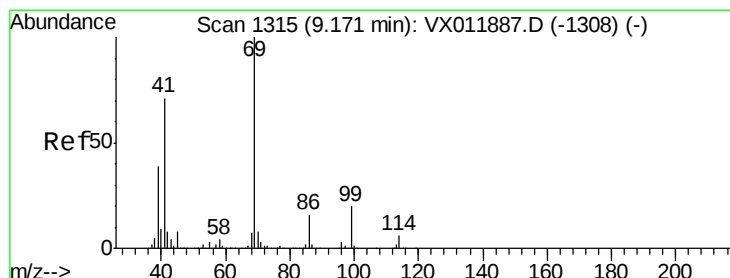
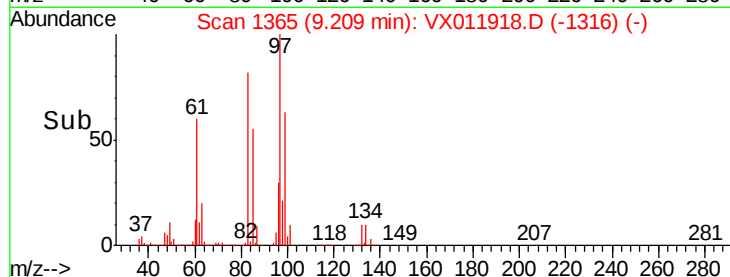
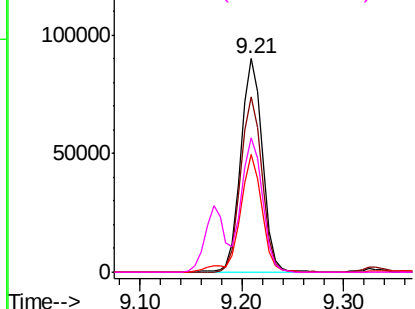
#55
 1,1,2-Trichloroethane
 Concen: 54.116 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	131062
Ion	Ratio	Lower	Upper
97	100		
83	82.3	66.8	100.2
85	55.0	43.5	65.3
99	62.9	50.6	75.8

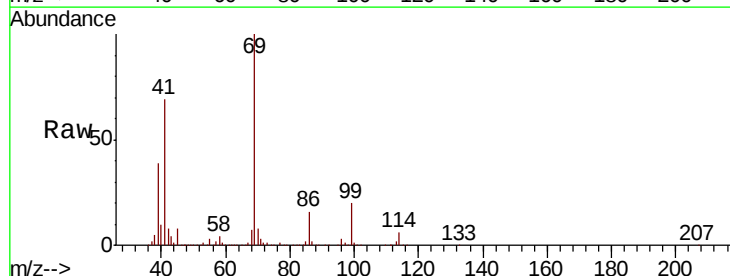


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

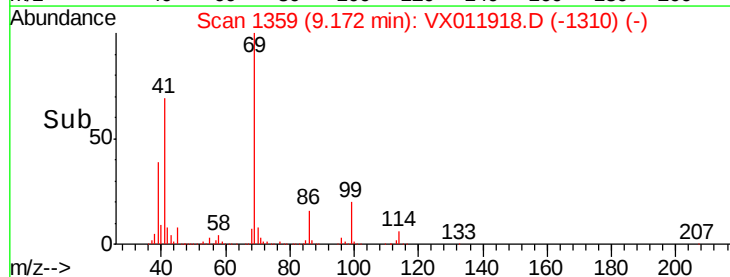
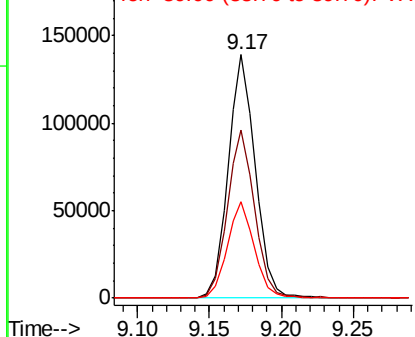


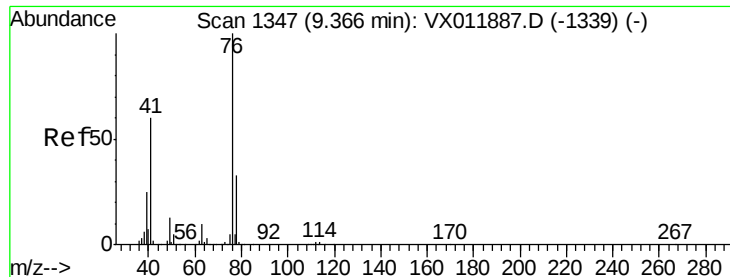
#56
 Ethyl methacrylate
 Concen: 54.545 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion:	69	Resp:	183338
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.8	83.8
39	39.0	31.1	46.7



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: 54.287 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

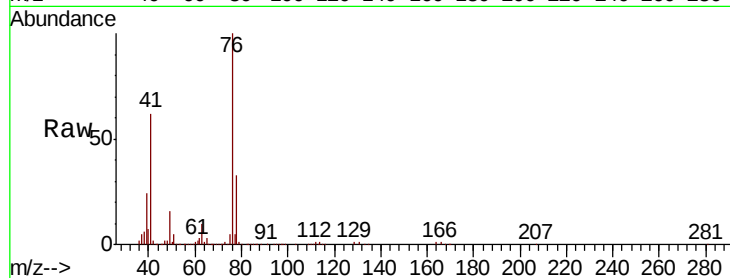
VSTDCCC050EC

Tgt Ion: 76 Resp: 218222

Ion Ratio Lower Upper

76 100

78 32.3 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

150000

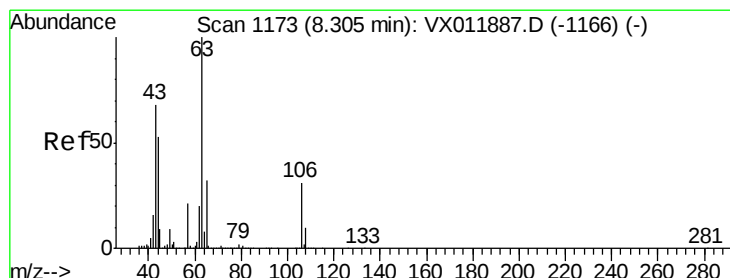
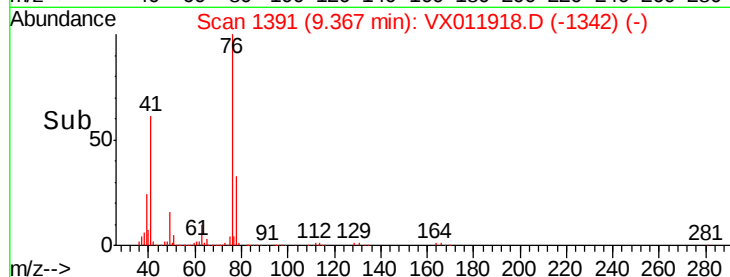
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 269.718 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX011918.D

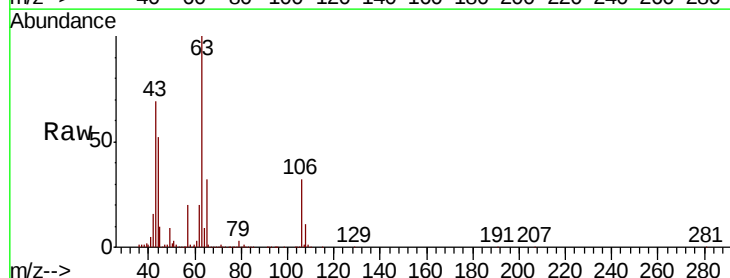
Acq: 30 Aug 2019 20:09

Tgt Ion: 63 Resp: 431802

Ion Ratio Lower Upper

63 100

106 31.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

300000

250000

200000

150000

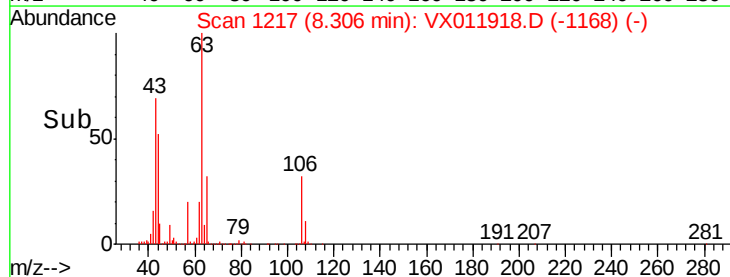
100000

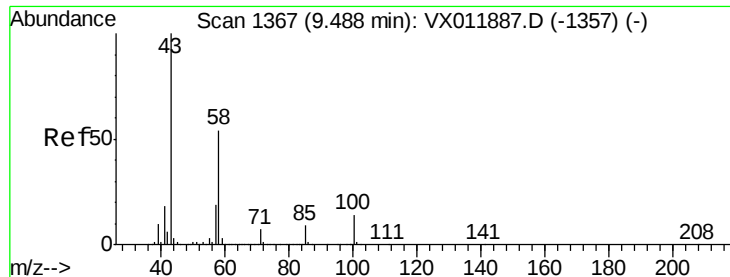
50000

0

8.20 8.30 8.40

Time-->

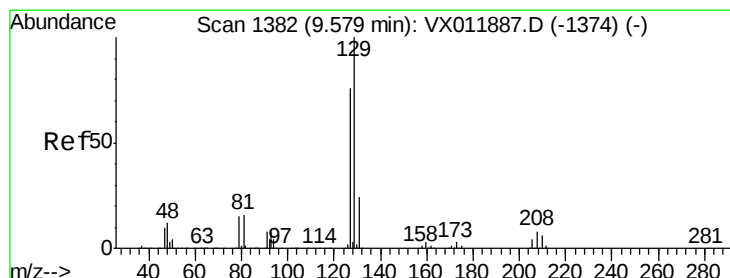
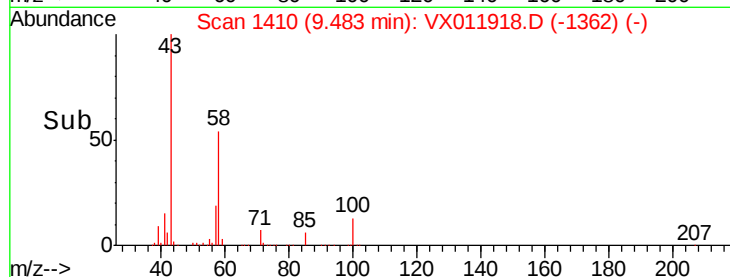
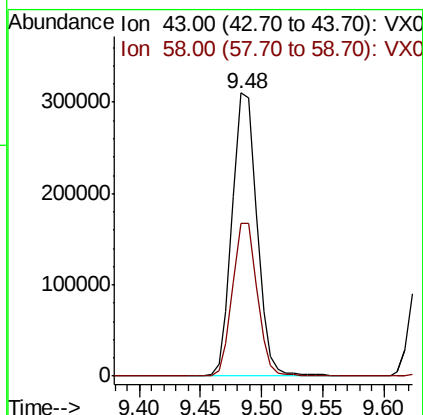
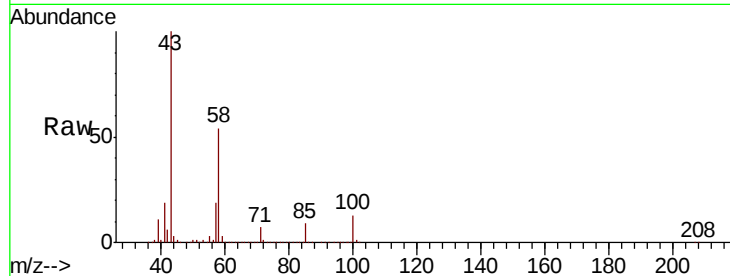




#59
2-Hexanone
Concen: 280.901 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

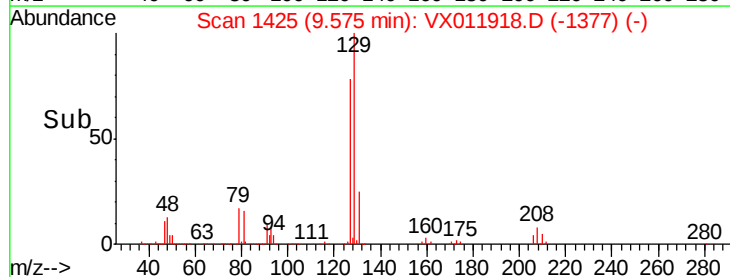
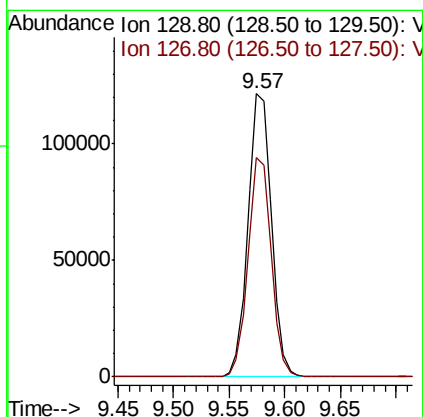
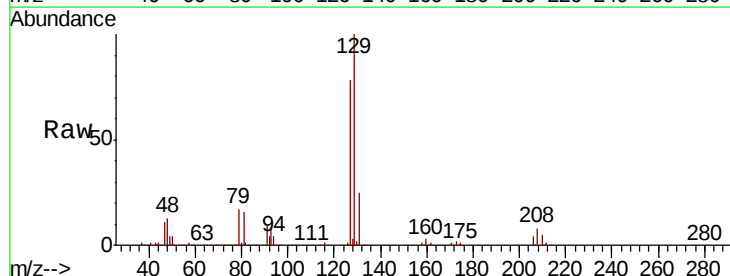
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

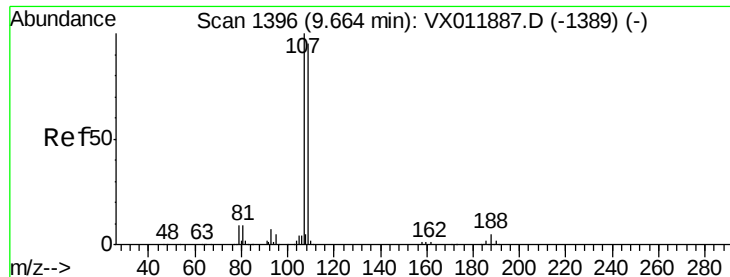
Tgt Ion: 43 Resp: 434303
Ion Ratio Lower Upper
43 100
58 54.1 26.8 80.4



#60
Dibromochloromethane
Concen: 54.942 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 129 Resp: 178713
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 55.485 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

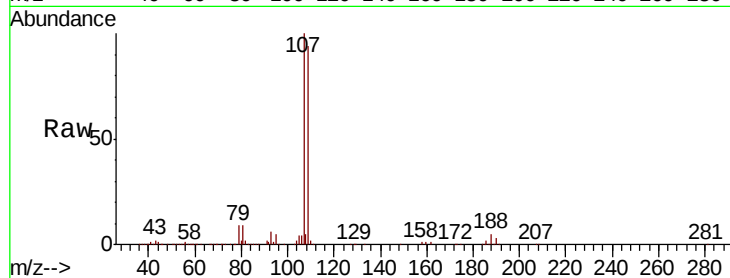
VSTDCCC050EC

Tgt Ion: 107 Resp: 133229

Ion Ratio Lower Upper

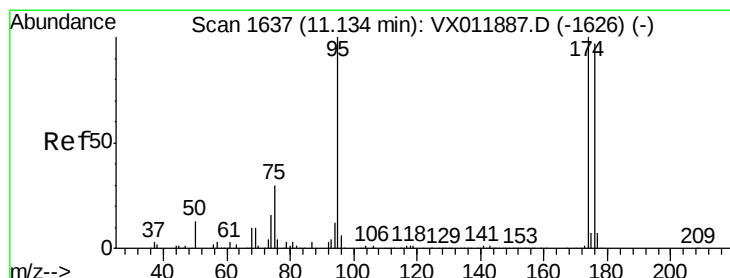
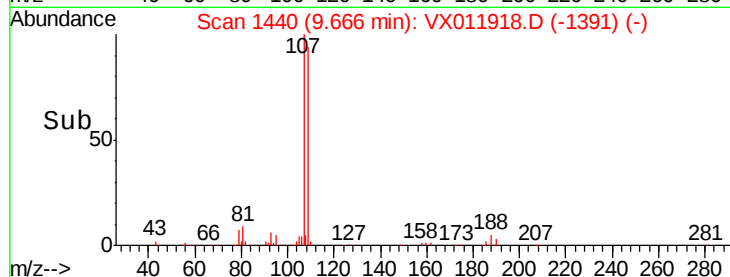
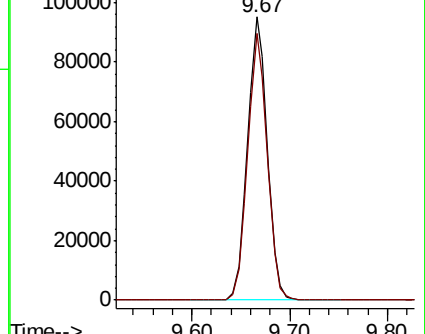
107 100

109 93.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.843 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

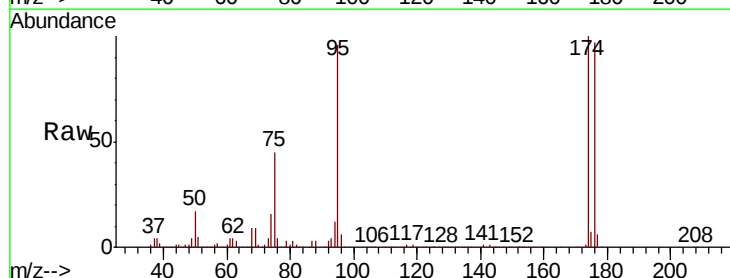
Tgt Ion: 95 Resp: 212256

Ion Ratio Lower Upper

95 100

174 99.1 0.0 196.0

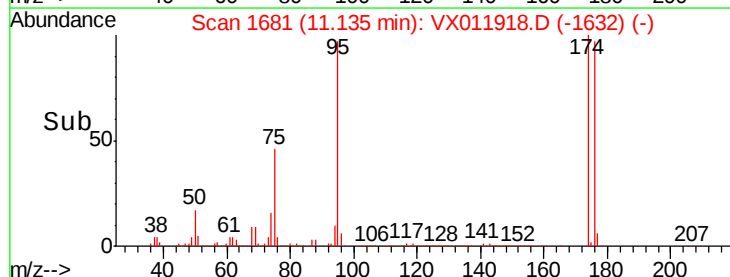
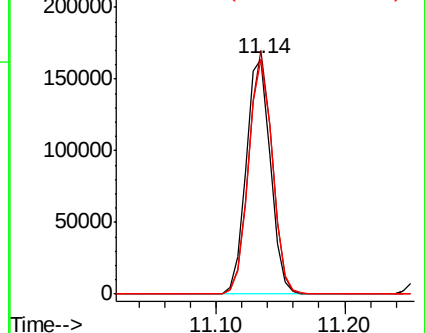
176 97.6 0.0 191.4

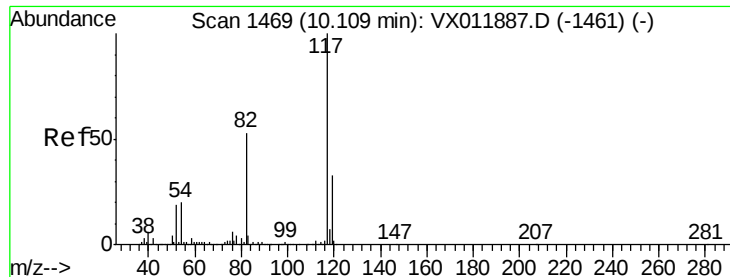


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

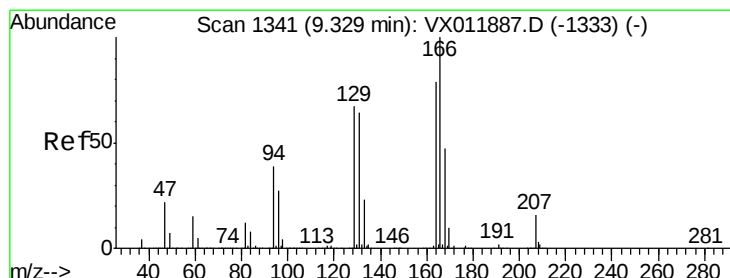
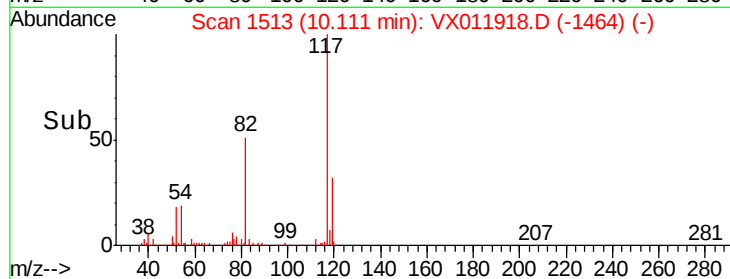
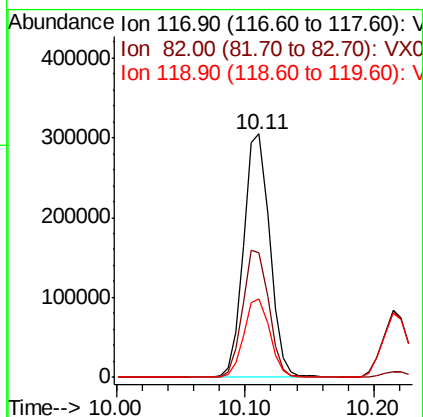
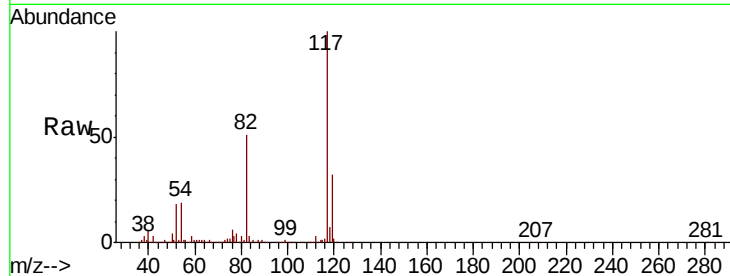




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

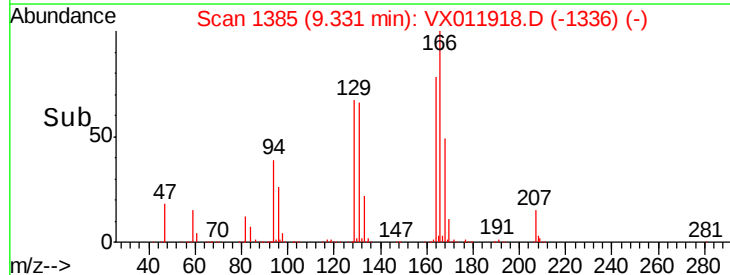
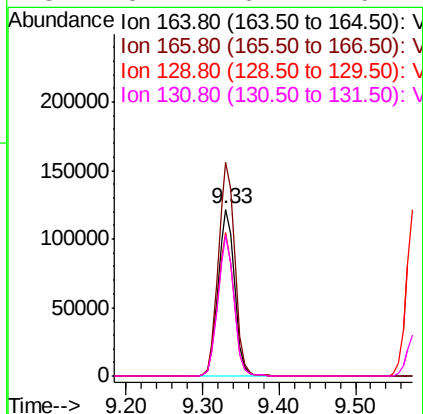
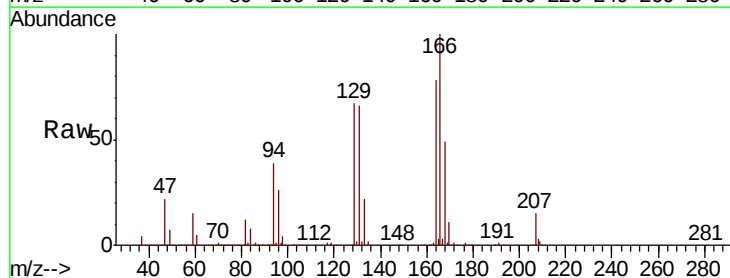
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 425465
Ion Ratio Lower Upper
117 100
82 51.3 42.0 63.0
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 52.603 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion:164 Resp: 180031
Ion Ratio Lower Upper
164 100
166 127.9 101.4 152.0
129 86.0 68.0 102.0
131 84.1 64.7 97.1





#65

Chlorobenzene

Concen: 53.555 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

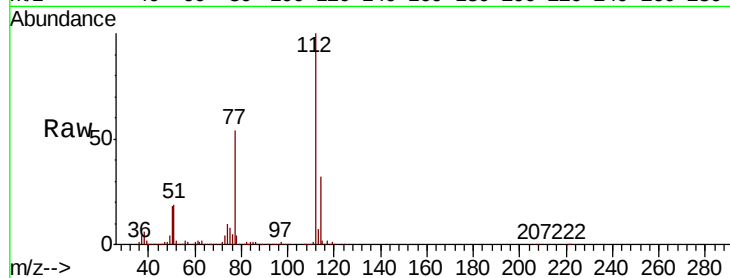
VSTDCCC050EC

Tgt Ion:112 Resp: 441557

Ion Ratio Lower Upper

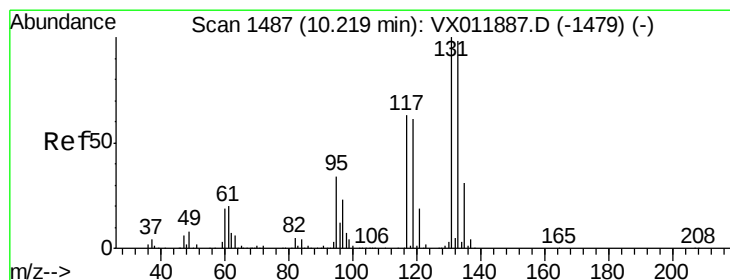
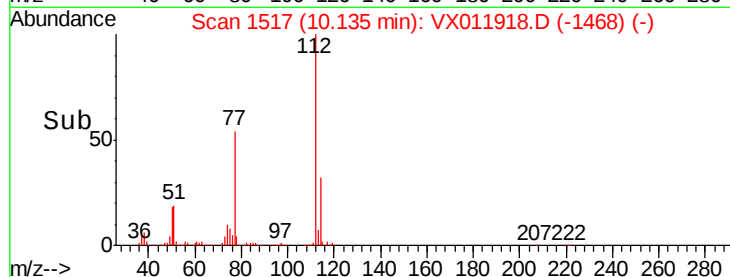
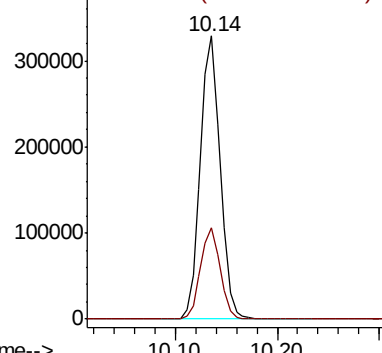
112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.024 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

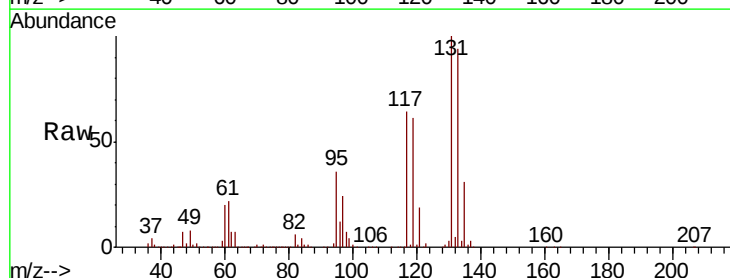
Tgt Ion:131 Resp: 180122

Ion Ratio Lower Upper

131 100

133 95.6 48.4 145.0

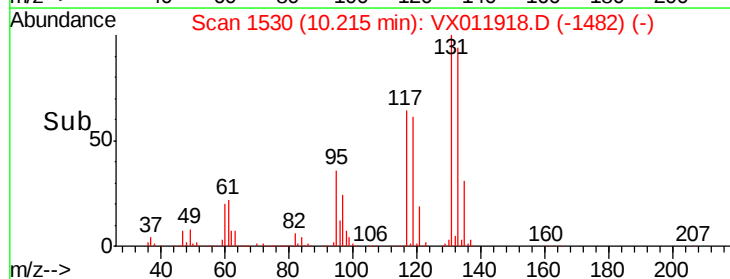
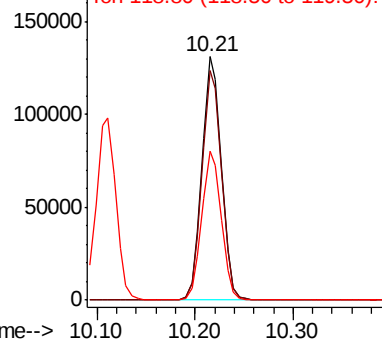
119 62.1 30.6 92.0

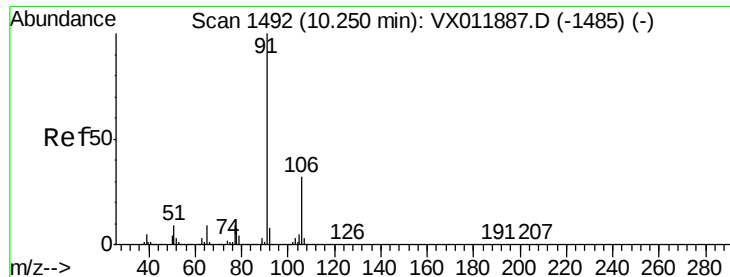


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

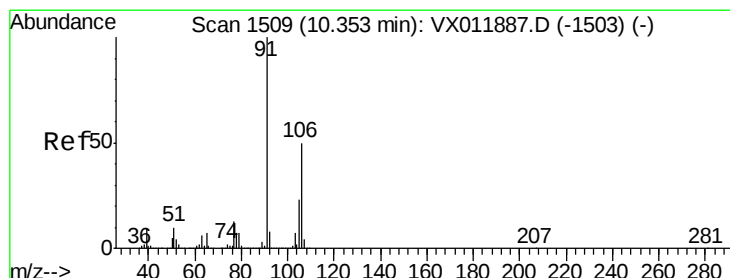
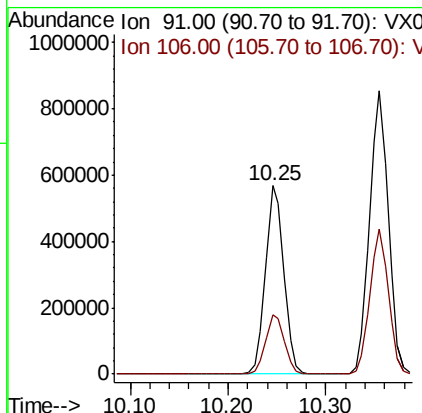
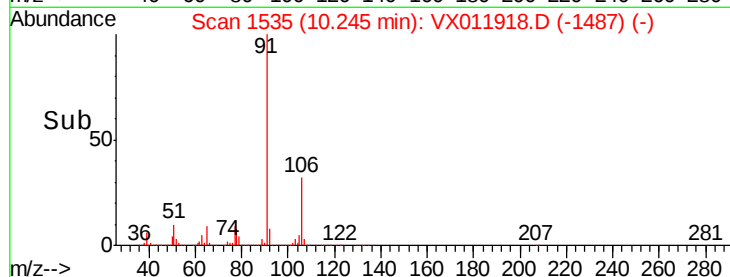
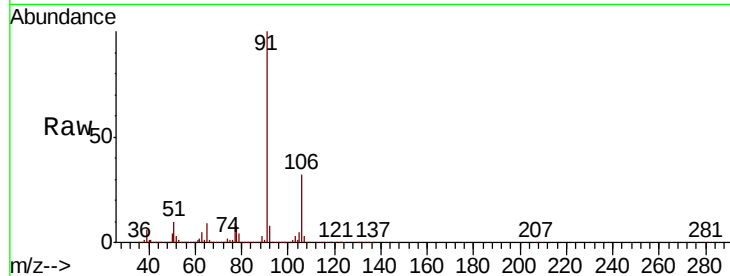




#67
Ethyl Benzene
Concen: 52.901 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

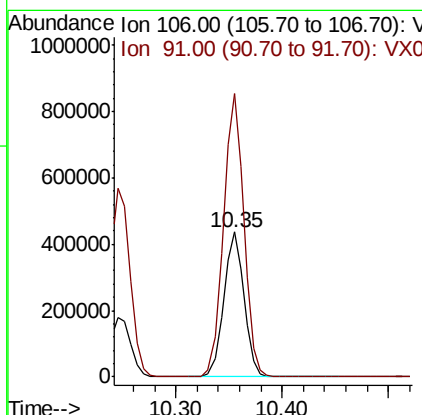
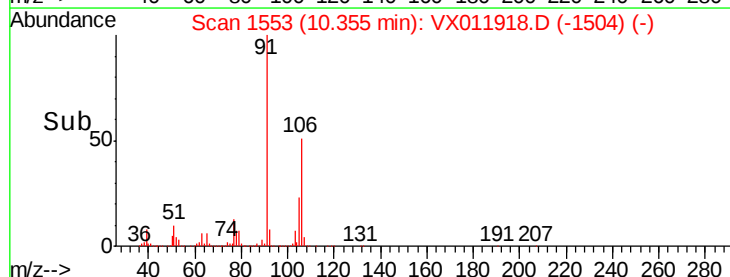
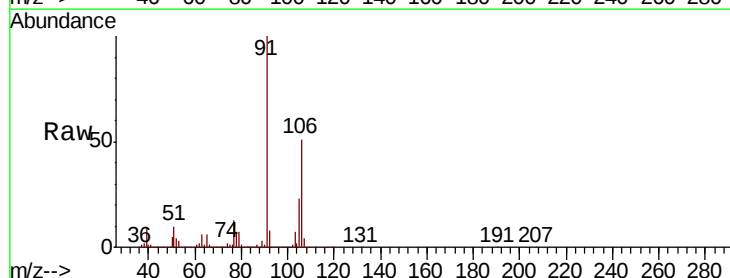
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

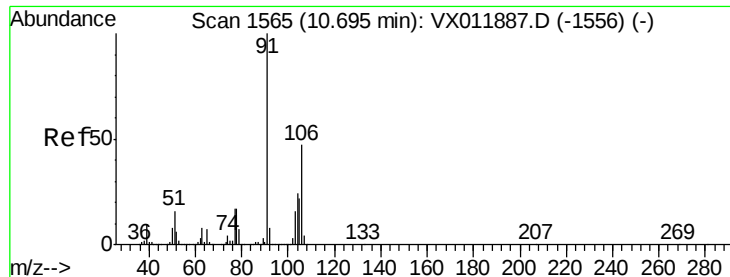
Tgt Ion: 91 Resp: 741921
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8



#68
m/p-Xylenes
Concen: 106.986 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 106 Resp: 579373
Ion Ratio Lower Upper
106 100
91 197.3 158.6 237.8

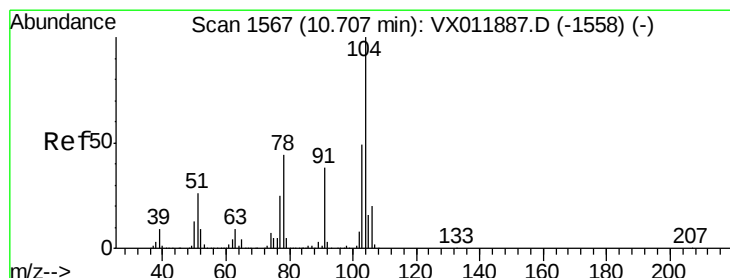
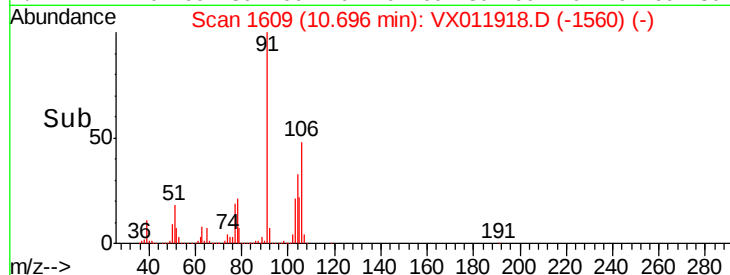
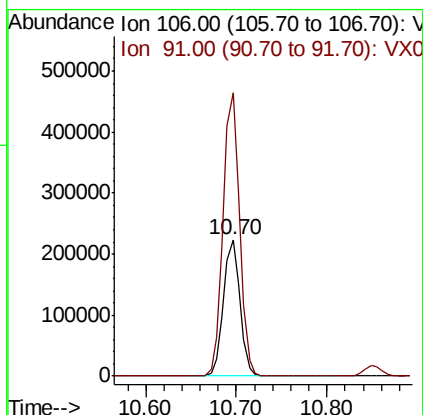
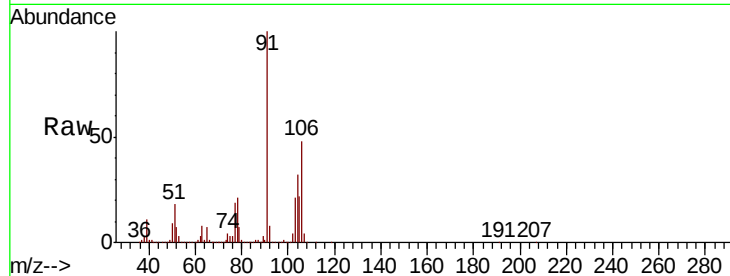




#69
o-Xylene
Concen: 53.736 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

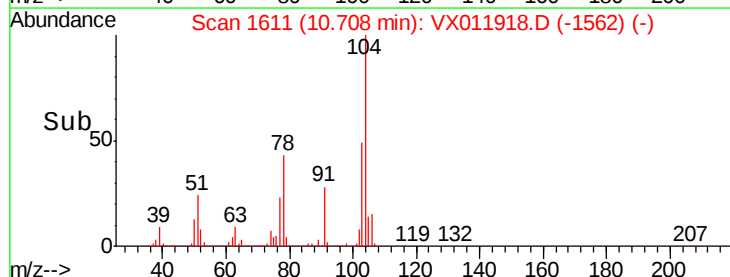
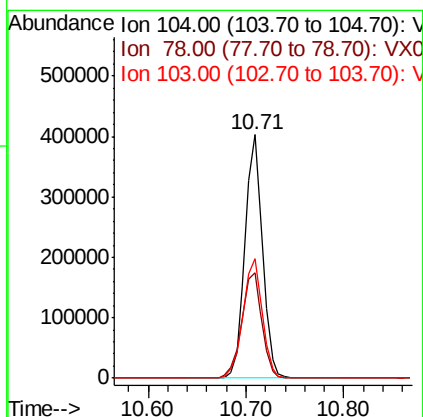
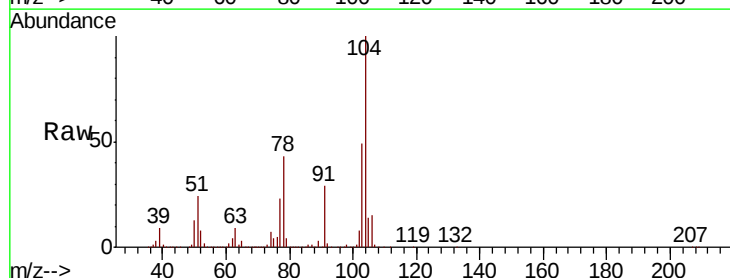
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

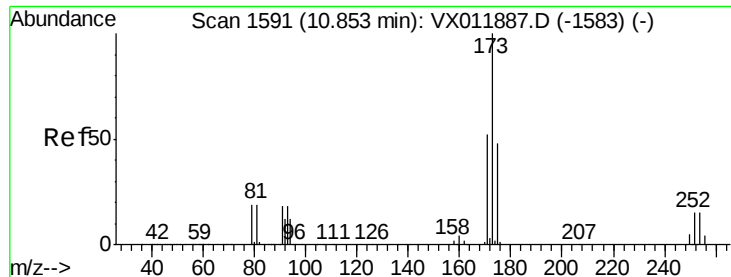
Tgt Ion:106 Resp: 283575
Ion Ratio Lower Upper
106 100
91 208.2 104.8 314.6



#70
Styrene
Concen: 54.065 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion:104 Resp: 502886
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 53.9 43.0 64.6

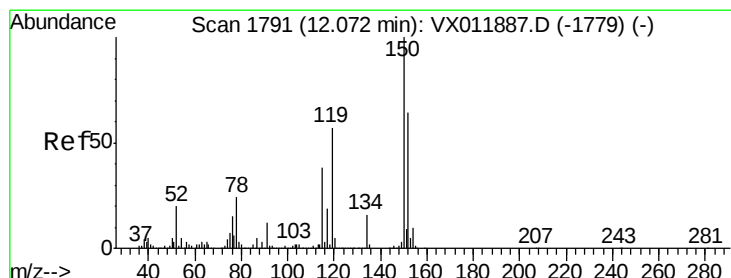
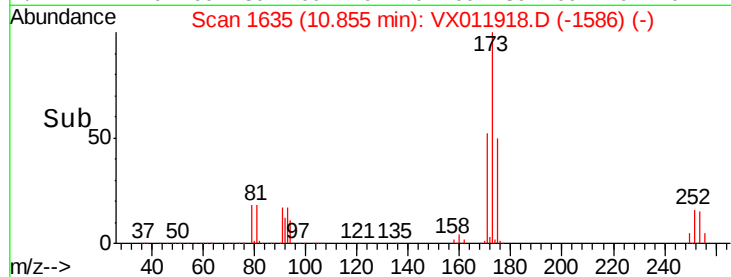
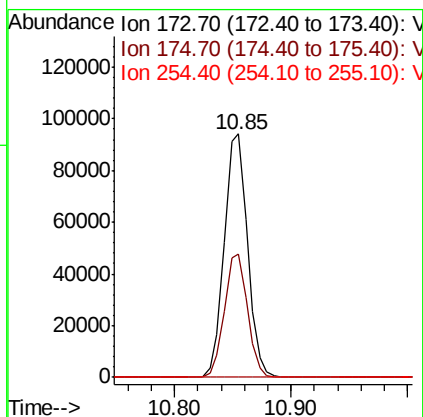
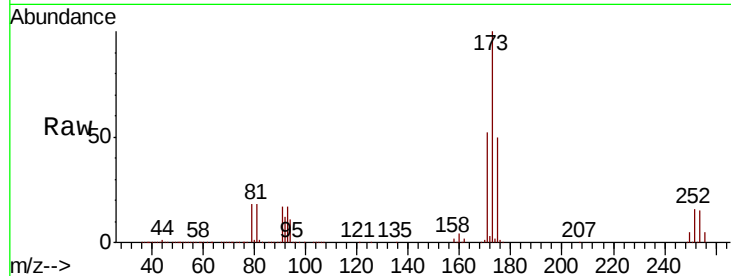




#71
Bromoform
Concen: 55.201 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

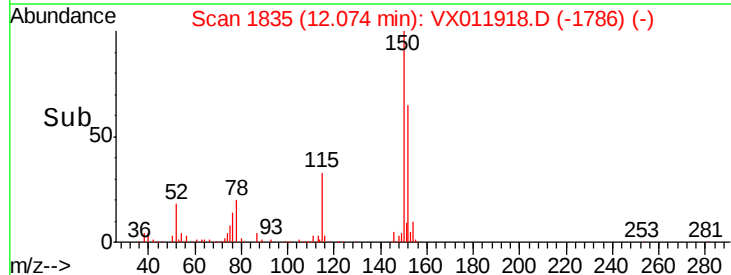
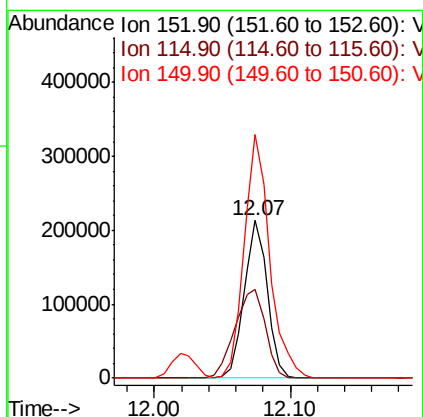
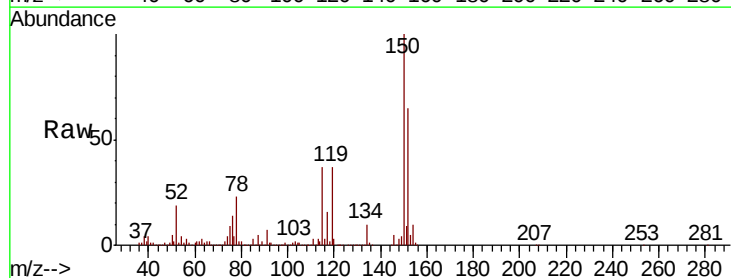
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

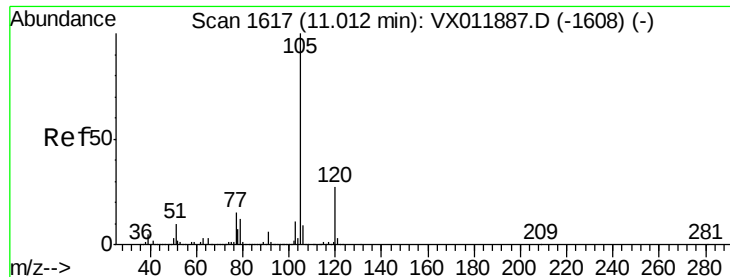
Tgt Ion:173 Resp: 130139
Ion Ratio Lower Upper
173 100
175 50.2 24.4 73.2
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion:152 Resp: 251578
Ion Ratio Lower Upper
152 100
115 74.4 37.1 111.3
150 171.0 0.0 339.6





#73

Isopropylbenzene

Concen: 52.181 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

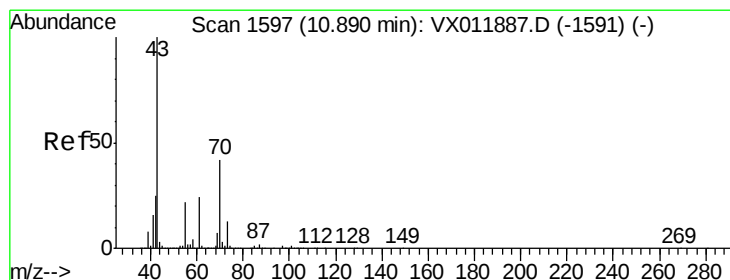
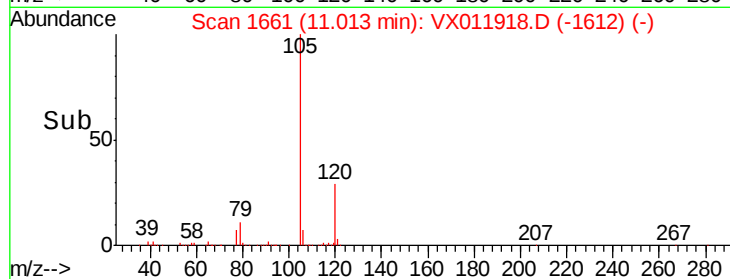
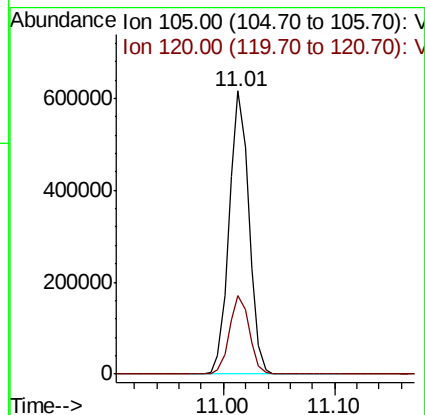
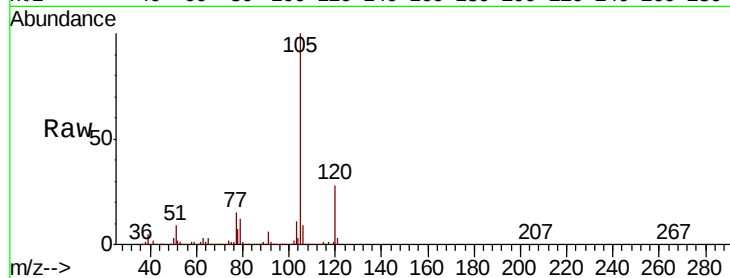
VSTDCCC050EC

Tgt Ion: 105 Resp: 754281

Ion Ratio Lower Upper

105 100

120 27.8 13.8 41.4



#74

N-ethyl acetate

Concen: 54.138 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Tgt Ion: 43 Resp: 232237

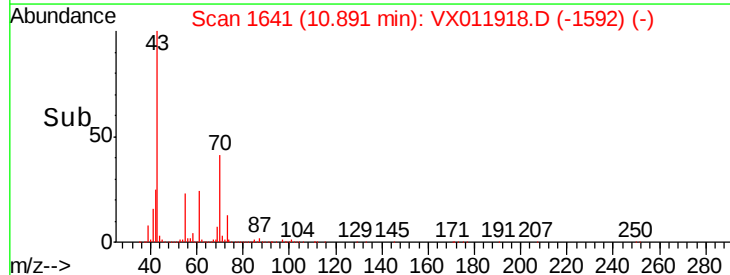
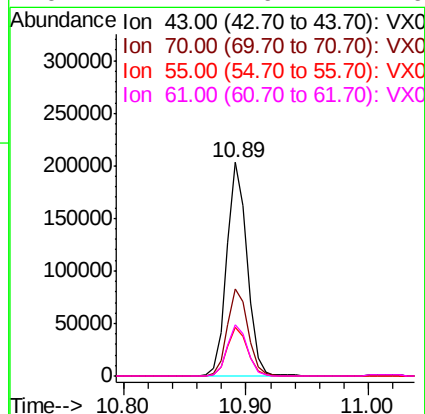
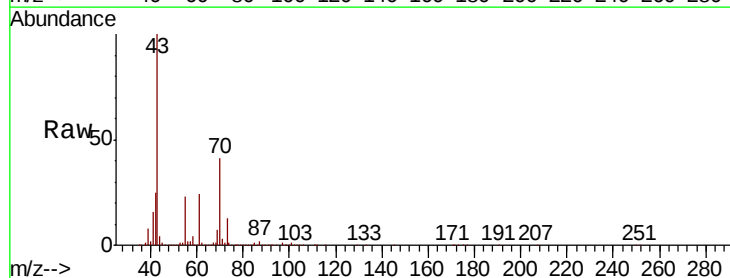
Ion Ratio Lower Upper

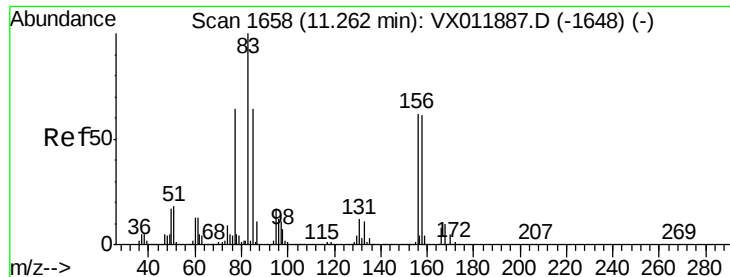
43 100

70 41.7 0.2 0.2#

55 22.7 0.1 0.1#

61 24.1 16.4 24.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.645 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

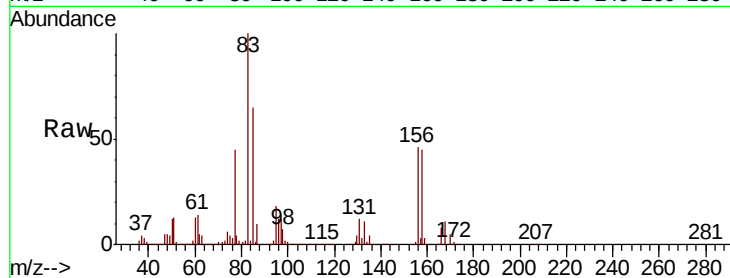
Tgt Ion: 83 Resp: 161660

Ion Ratio Lower Upper

83 100

131 12.0 6.0 18.0

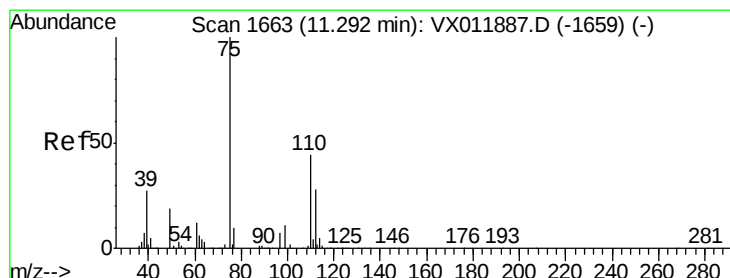
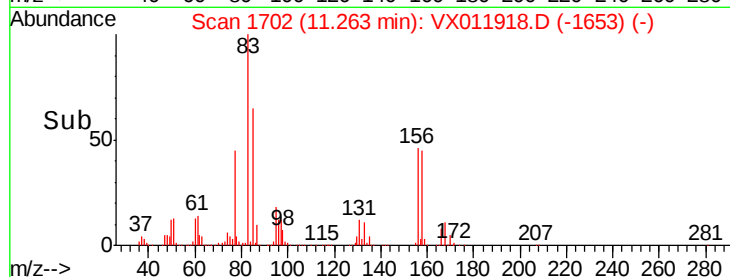
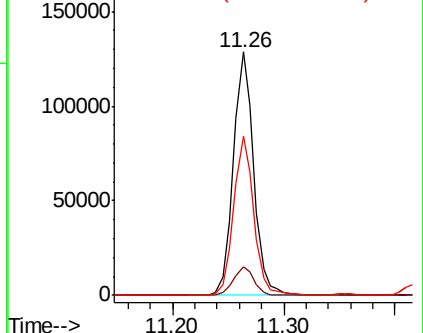
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 71.084 ug/l

RT: 11.29 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX011918.D

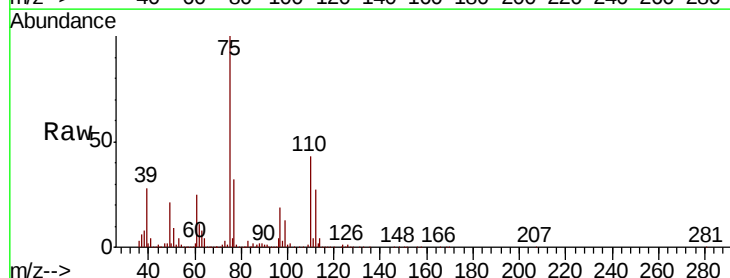
Acq: 30 Aug 2019 20:09

Tgt Ion: 75 Resp: 175917

Ion Ratio Lower Upper

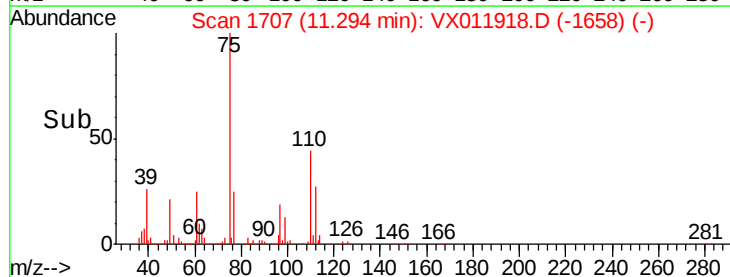
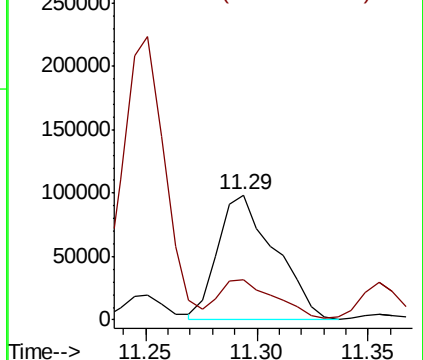
75 100

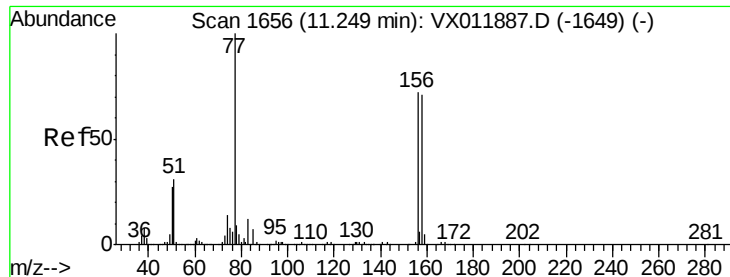
77 31.5 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 53.339 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

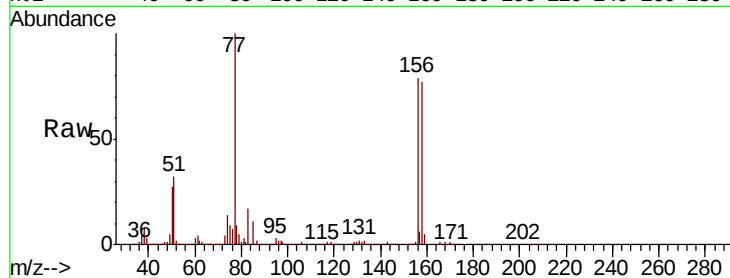
Tgt Ion:156 Resp: 223614

Ion Ratio Lower Upper

156 100

77 131.8 68.1 204.3

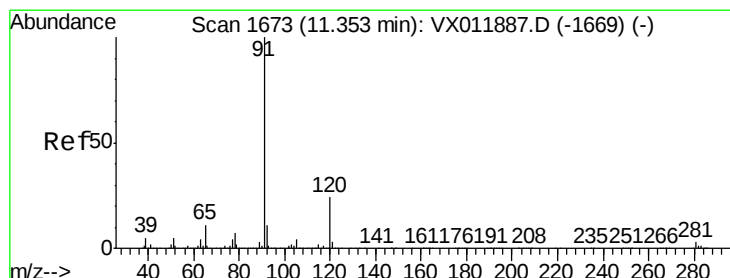
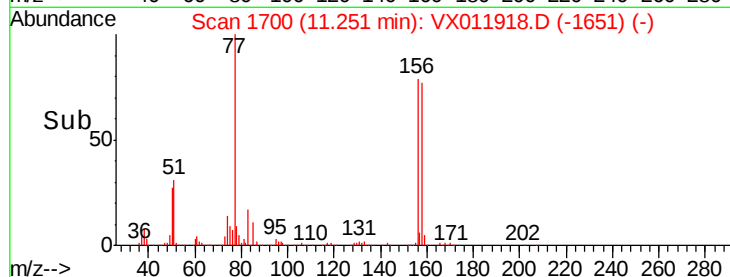
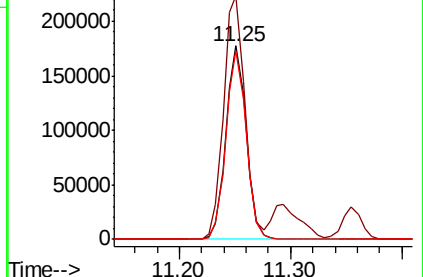
158 97.3 48.9 146.8



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: 52.743 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX011918.D

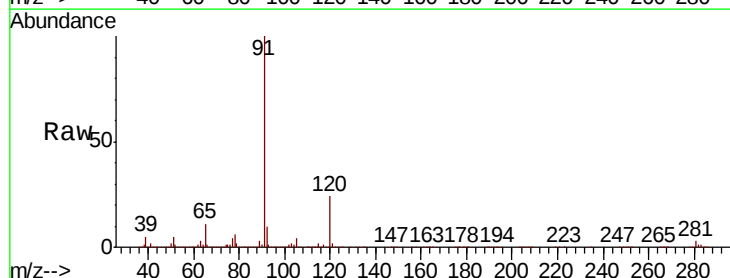
Acq: 30 Aug 2019 20:09

Tgt Ion: 91 Resp: 864546

Ion Ratio Lower Upper

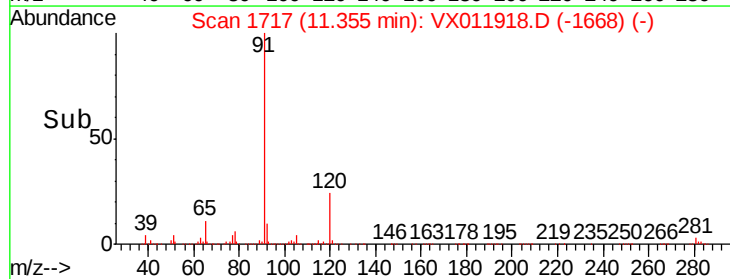
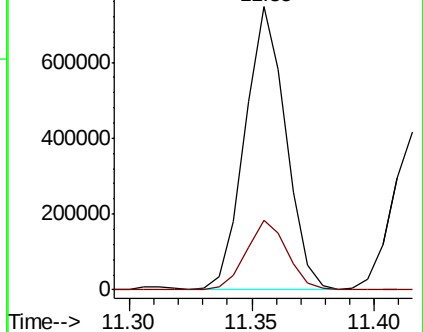
91 100

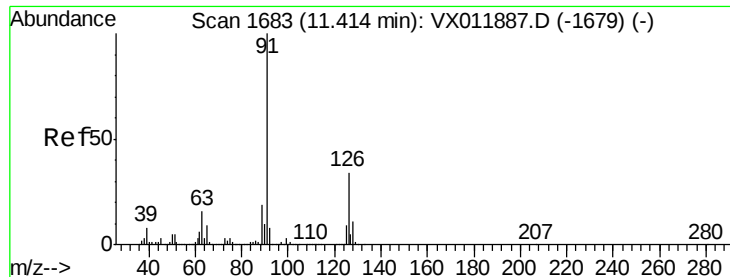
120 24.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.583 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

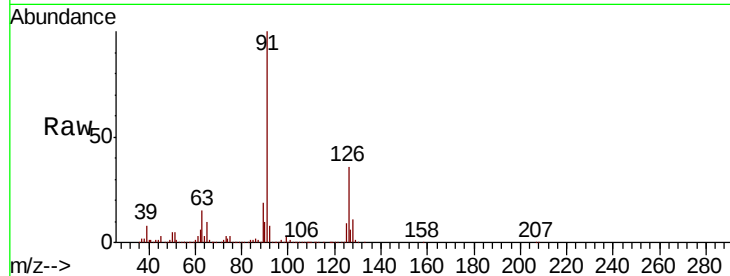
VSTDCCC050EC

Tgt Ion: 91 Resp: 518807

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VX011887.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011887.D (-1679) (-)

800000

600000

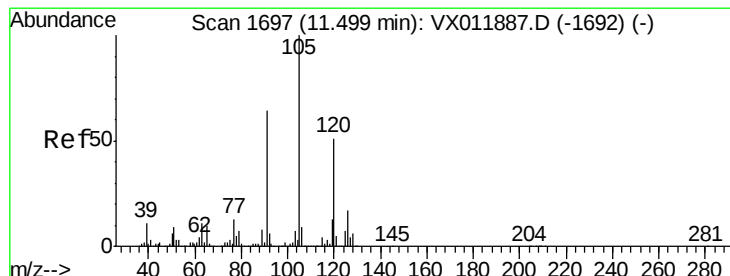
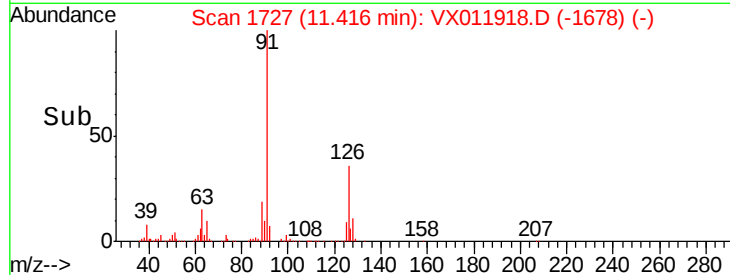
400000

200000

0

11.35 11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.511 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011918.D

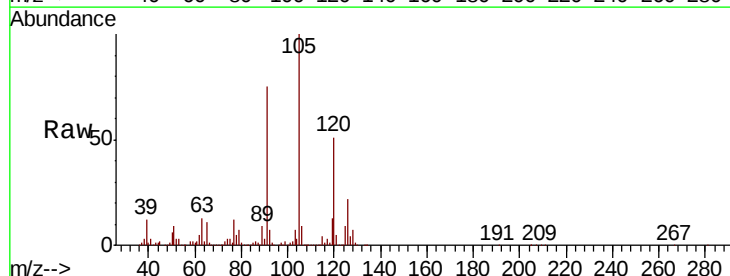
Acq: 30 Aug 2019 20:09

Tgt Ion: 105 Resp: 655176

Ion Ratio Lower Upper

105 100

120 51.3 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VX011887.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX011887.D (-1692) (-)

600000

500000

400000

300000

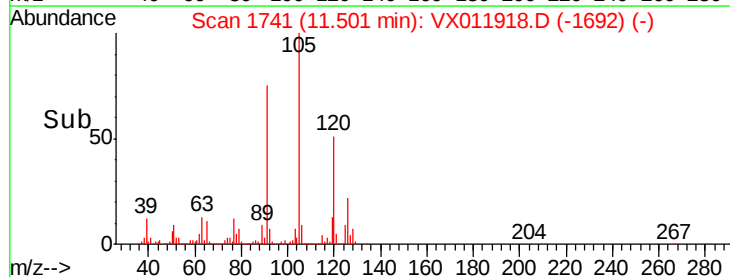
200000

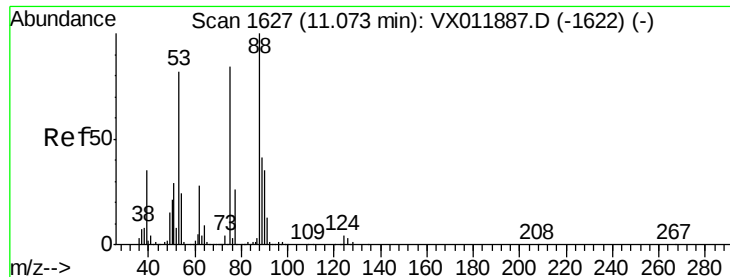
100000

0

11.45 11.50 11.55

Time-->

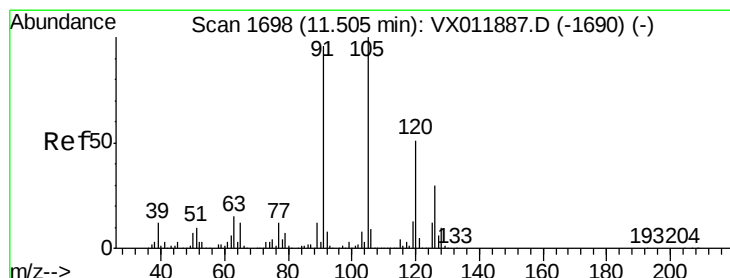
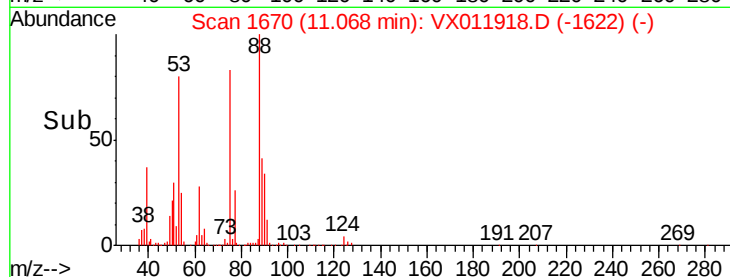
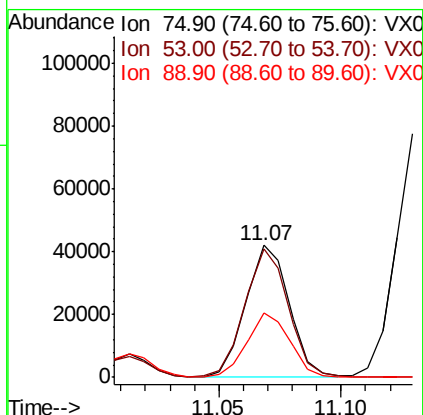
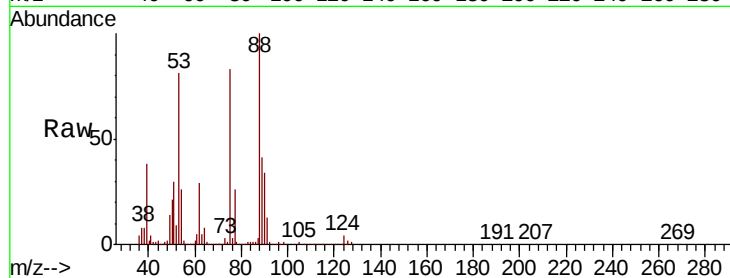




#81
trans-1,4-Dichloro-2-butene
Concen: 52.969 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

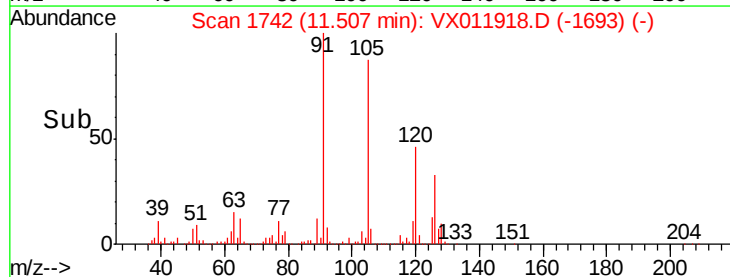
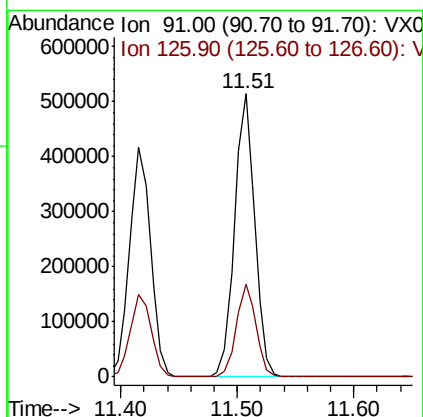
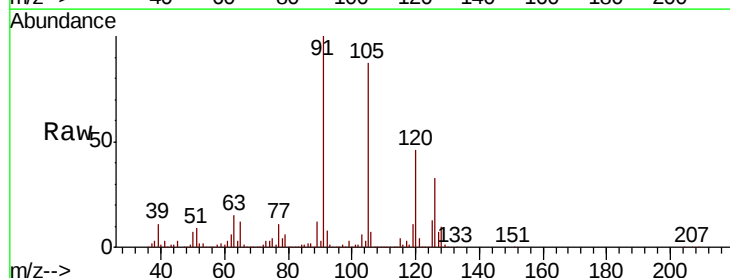
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

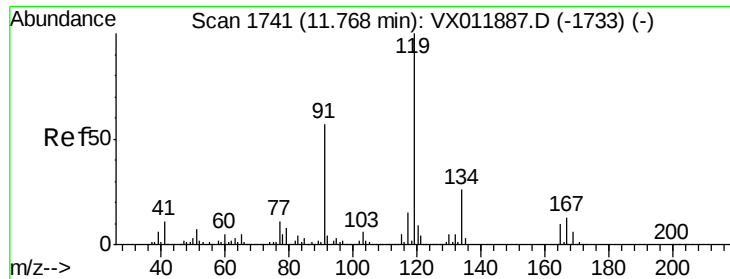
Tgt Ion: 75 Resp: 52181
Ion Ratio Lower Upper
75 100
53 96.9 77.1 115.7
89 48.8 38.2 57.2



#82
4-Chlorotoluene
Concen: 52.222 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 91 Resp: 621590
Ion Ratio Lower Upper
91 100
126 31.8 15.9 47.6

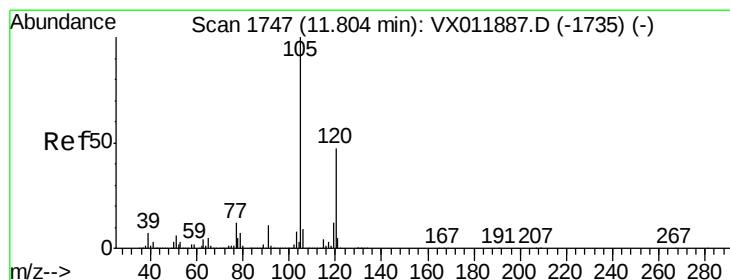
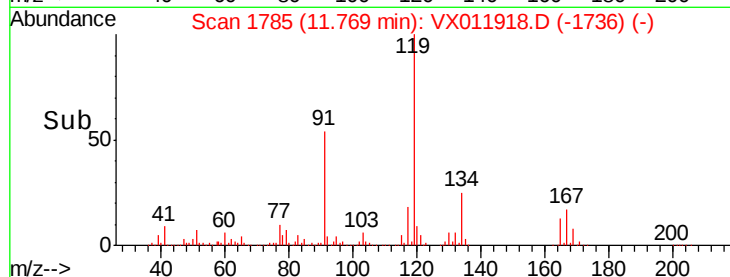
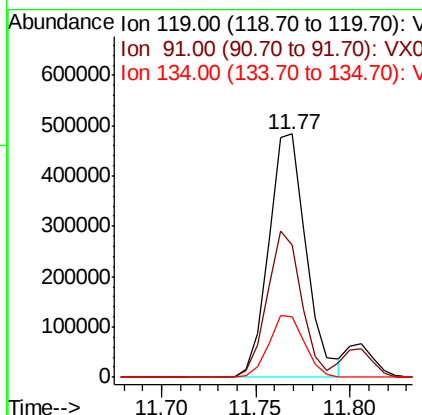
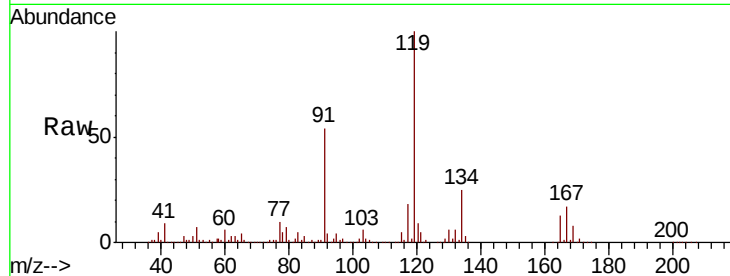




#83
 tert-Butylbenzene
 Concen: 52.740 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

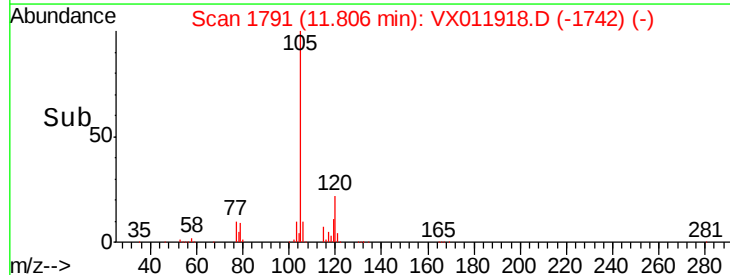
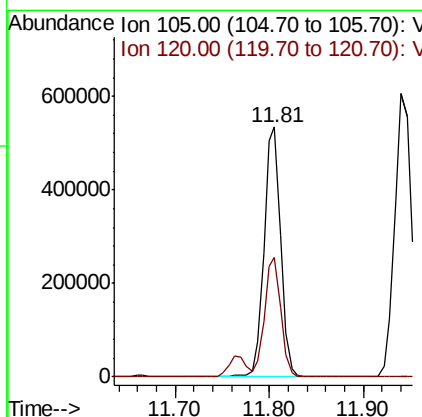
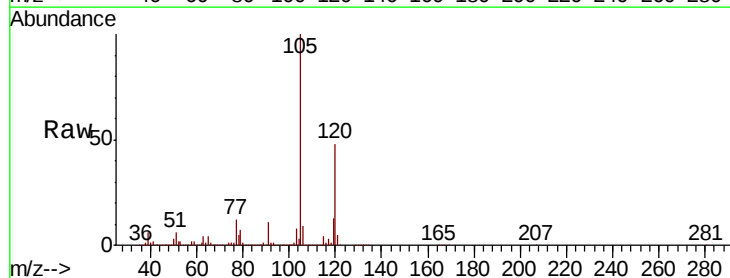
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

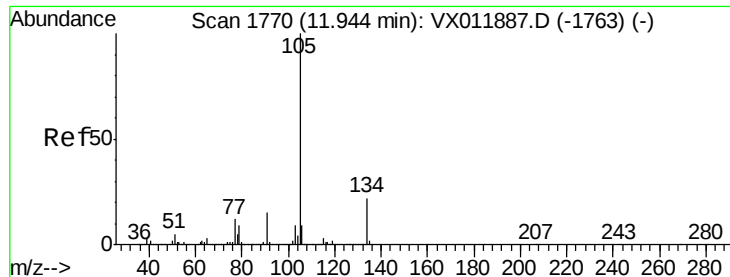
Tgt Ion:119 Resp: 667706
 Ion Ratio Lower Upper
 119 100
 91 54.9 27.9 83.6
 134 24.2 12.3 36.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.145 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion:105 Resp: 666774
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 51.521 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

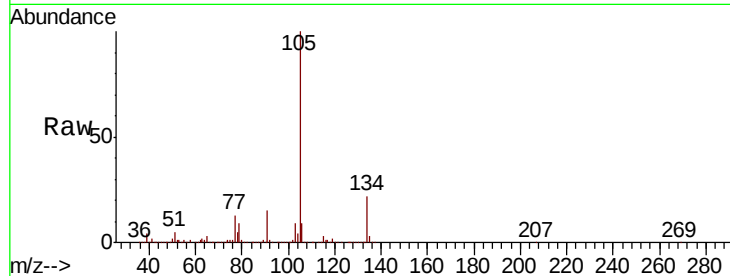
VSTDCCC050EC

Tgt Ion:105 Resp: 757633

Ion Ratio Lower Upper

105 100

134 22.1 10.9 32.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

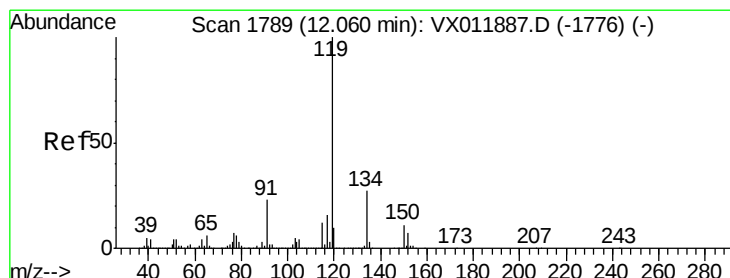
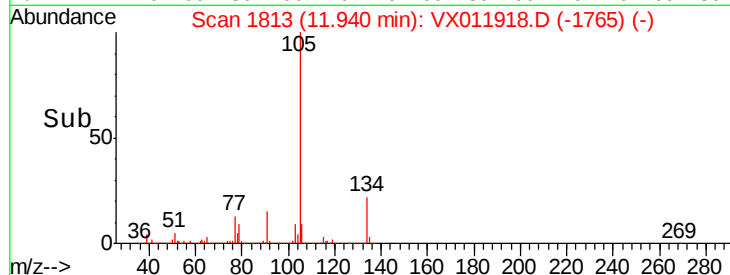
600000

400000

200000

0

Time--> 11.85 11.90 11.95 12.00



#86

p-Isopropyltoluene

Concen: 51.861 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

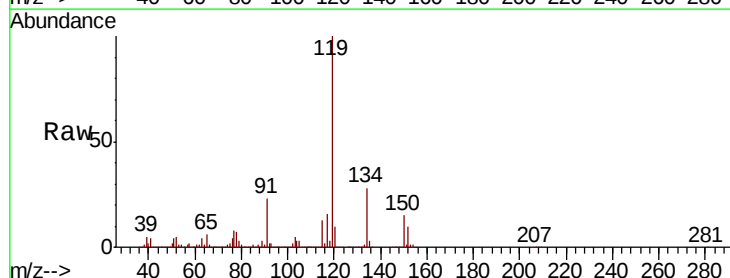
Tgt Ion:119 Resp: 739485

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

91 22.8 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

800000

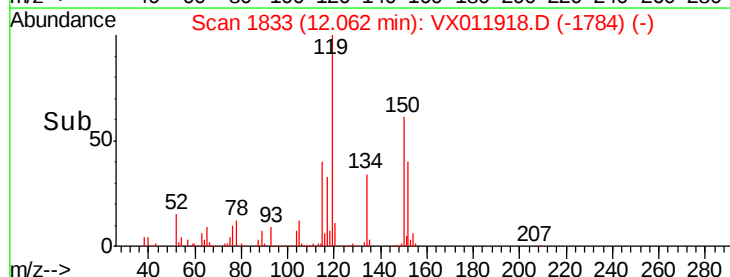
600000

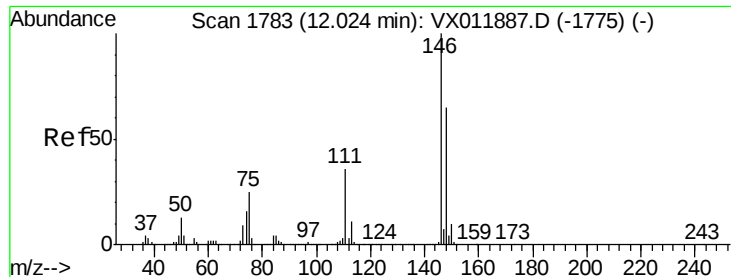
400000

200000

0

Time--> 11.90 12.00 12.10 12.20





#87

1,3-Dichlorobenzene

Concen: 52.559 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

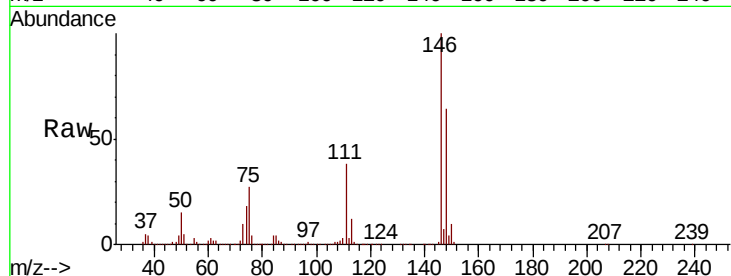
Tgt Ion:146 Resp: 409514

Ion Ratio Lower Upper

146 100

111 37.2 18.4 55.2

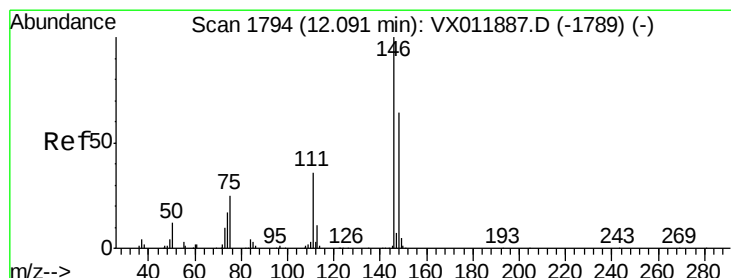
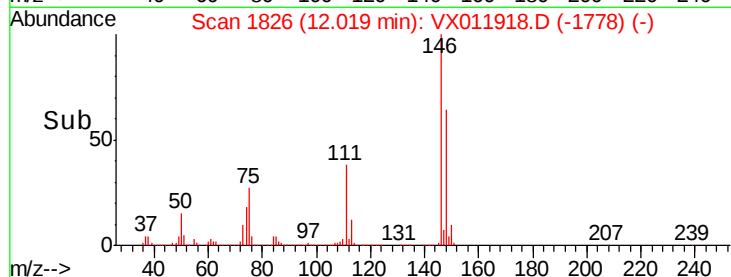
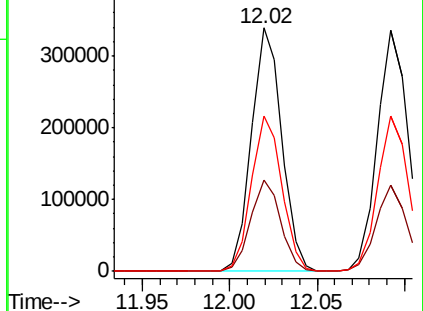
148 64.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.950 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

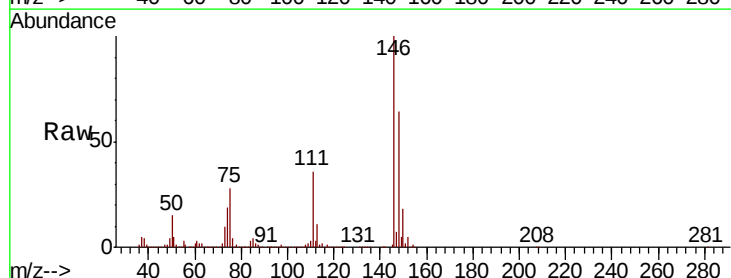
Tgt Ion:146 Resp: 409191

Ion Ratio Lower Upper

146 100

111 35.8 17.9 53.7

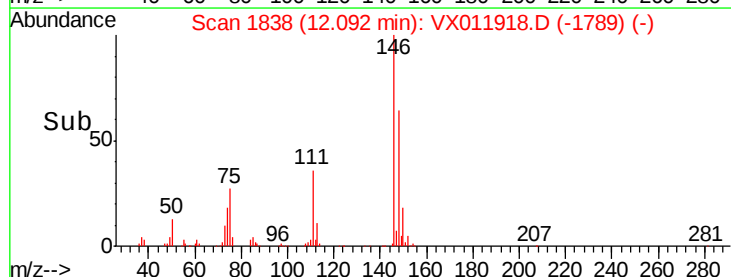
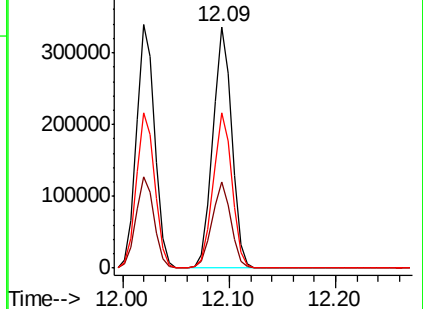
148 64.0 32.4 97.0

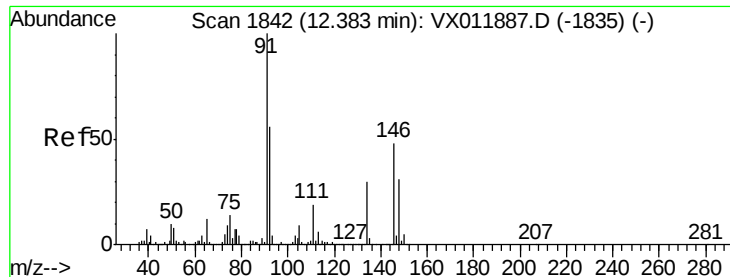


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

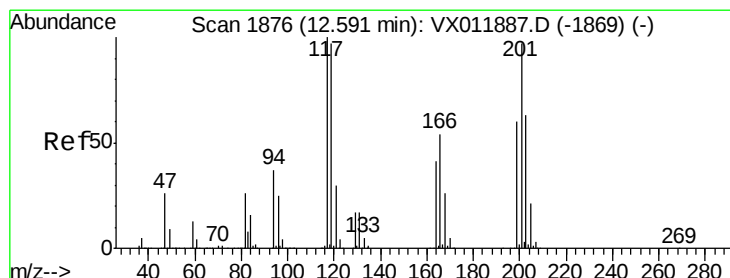
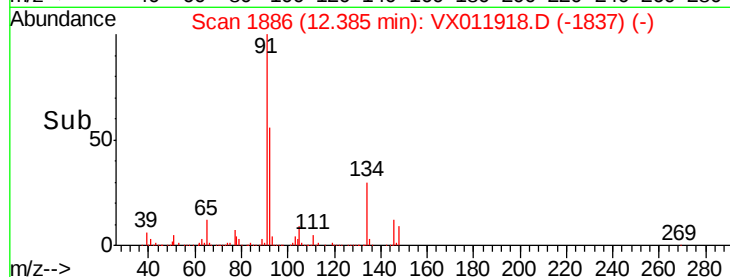
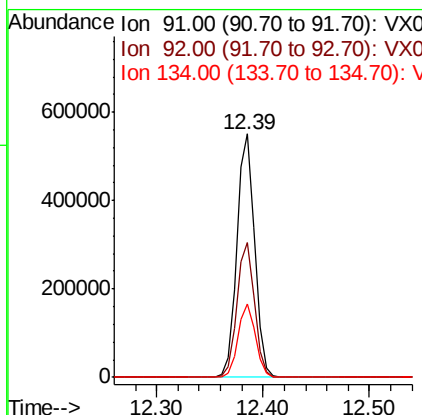
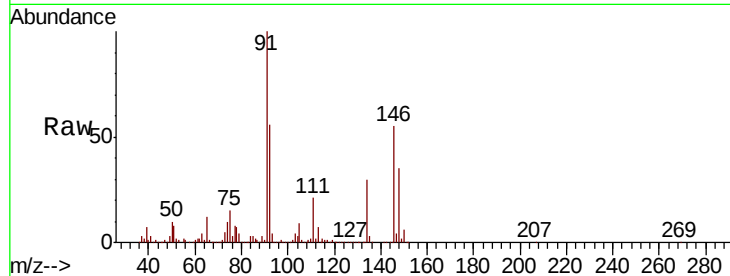




#89
n-Butylbenzene
Concen: 50.831 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

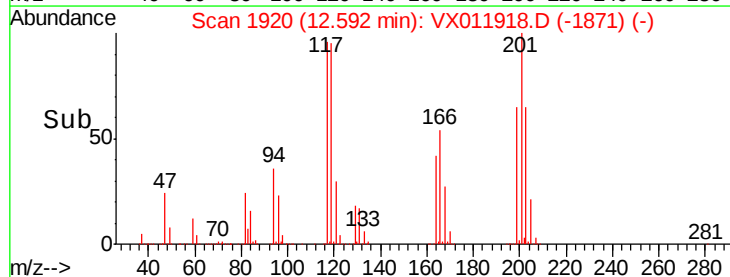
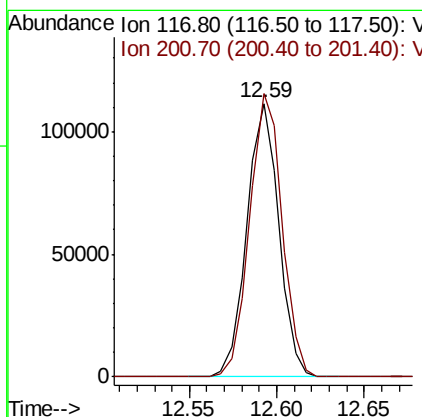
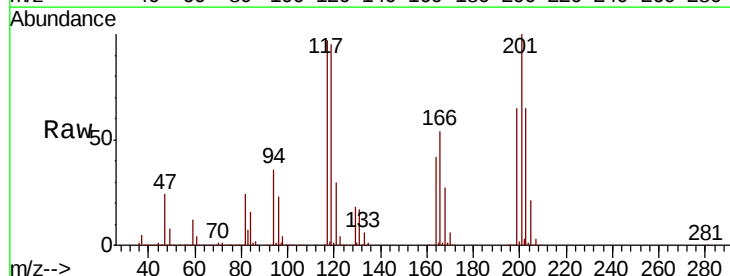
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

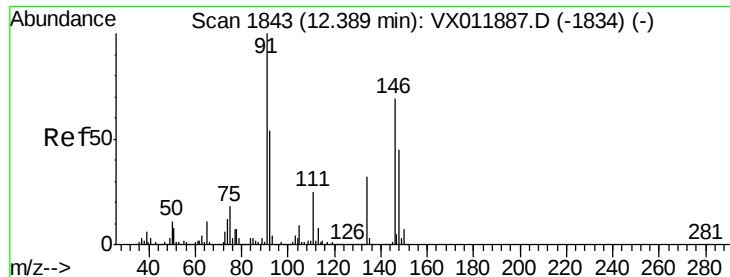
Tgt Ion: 91 Resp: 641247
Ion Ratio Lower Upper
91 100
92 55.1 27.6 82.8
134 29.8 14.8 44.3



#90
Hexachloroethane
Concen: 51.300 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX011918.D
Acq: 30 Aug 2019 20:09

Tgt Ion: 117 Resp: 141514
Ion Ratio Lower Upper
117 100
201 105.4 52.8 158.5





#91

1,2-Dichlorobenzene

Concen: 53.060 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

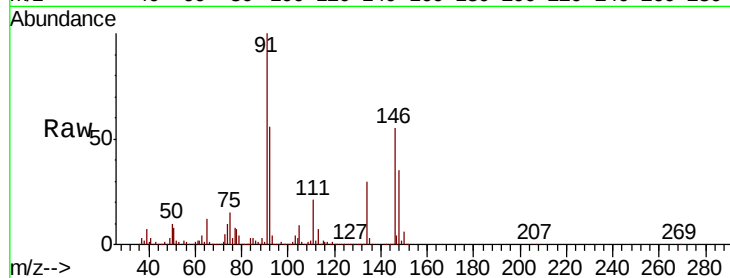
Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

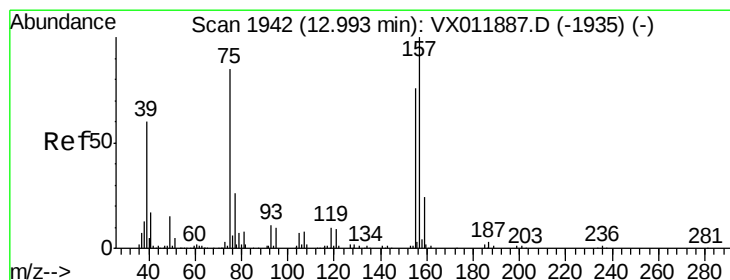
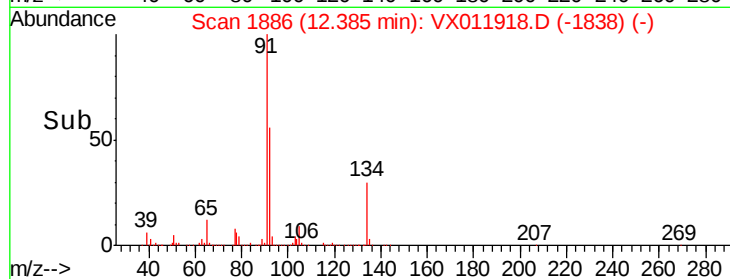
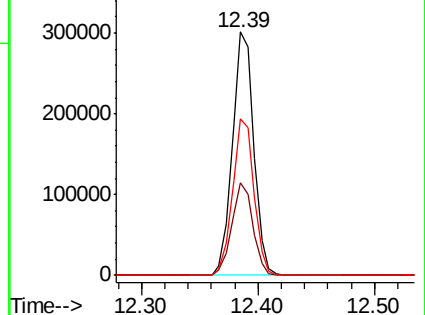
Tgt Ion:	146	Resp:	384367
Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	64.5	32.1	96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.166 ug/l

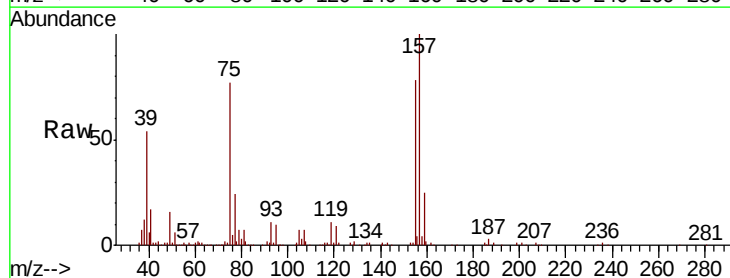
RT: 12.99 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

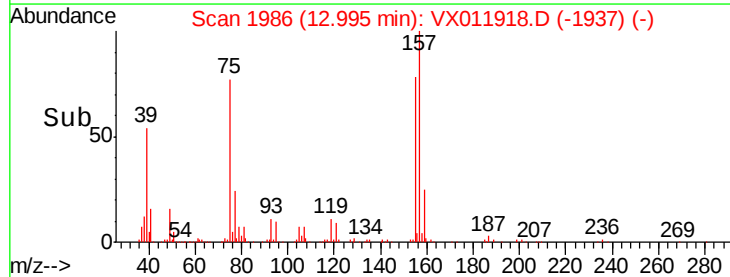
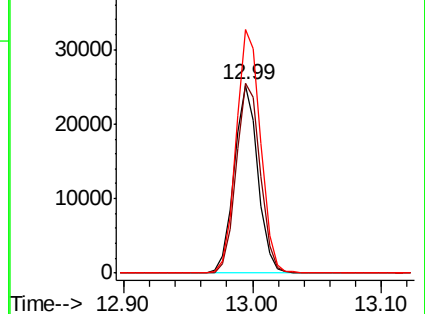
Tgt Ion:	75	Resp:	32509
Ion	Ratio	Lower	Upper
75	100		
155	102.1	50.1	150.4
157	131.8	63.9	191.7

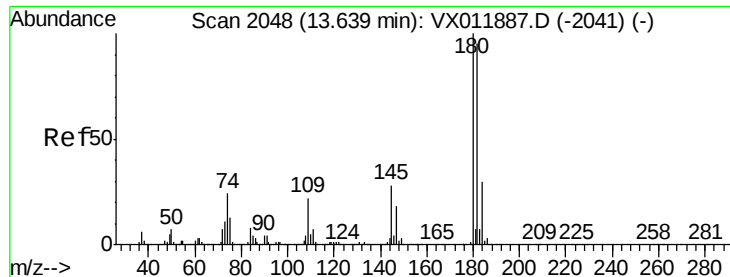


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

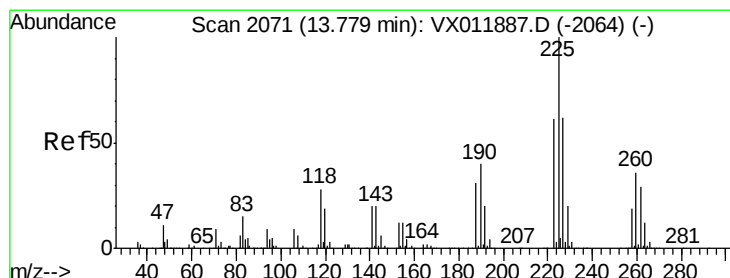
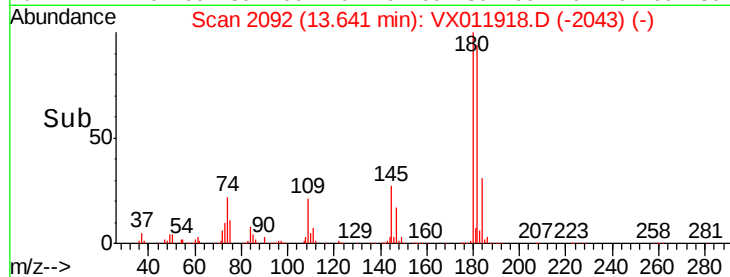
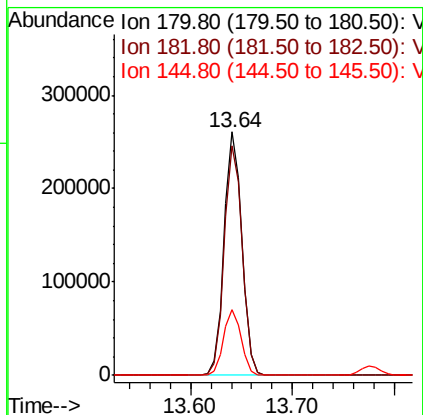
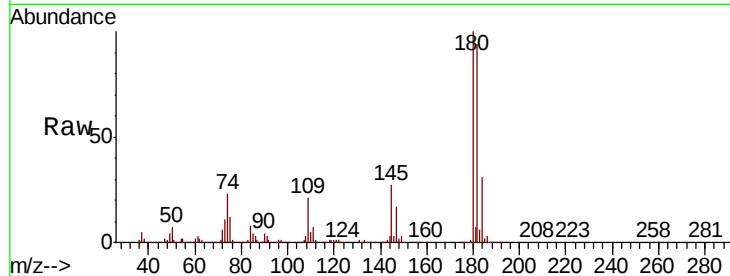




#93
 1,2,4-Trichlorobenzene
 Concen: 51.886 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

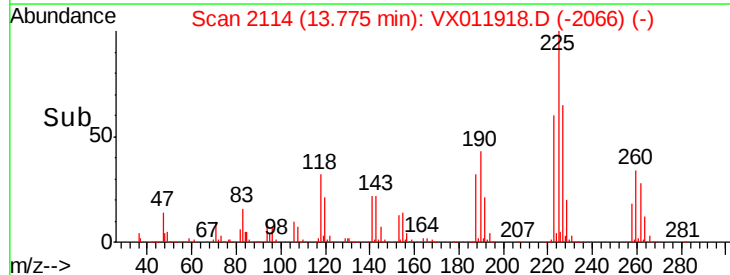
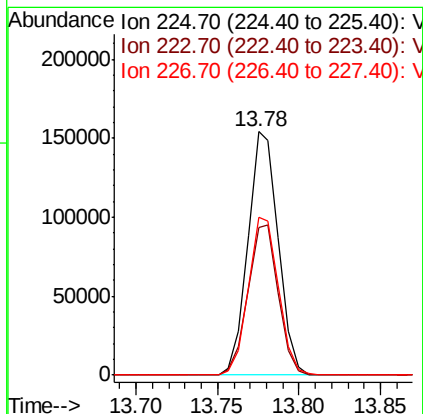
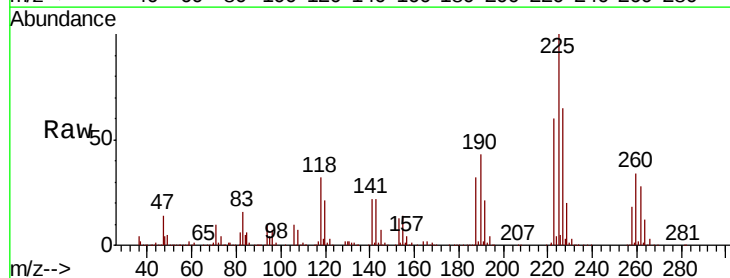
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

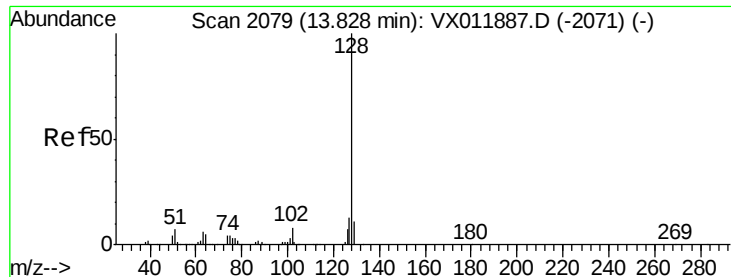
Tgt Ion:180 Resp: 316483
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.4
 145 27.0 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 48.940 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX011918.D
 Acq: 30 Aug 2019 20:09

Tgt Ion:225 Resp: 199357
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.8 92.3
 227 64.6 31.9 95.7





#95

Naphthalene

Concen: 53.950 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

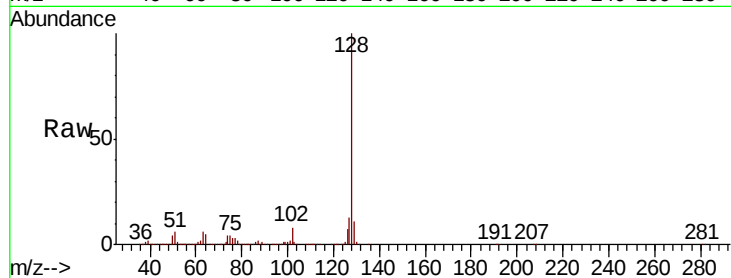
Tgt Ion:128 Resp: 564761

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.9 8.8 13.2

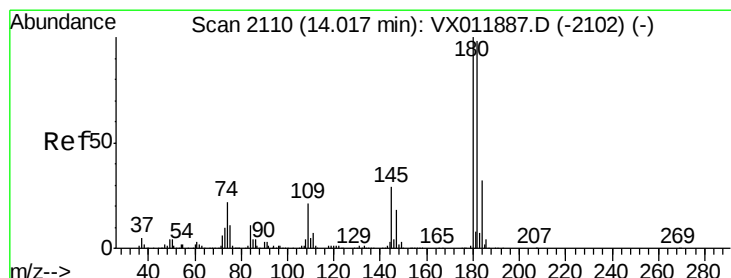
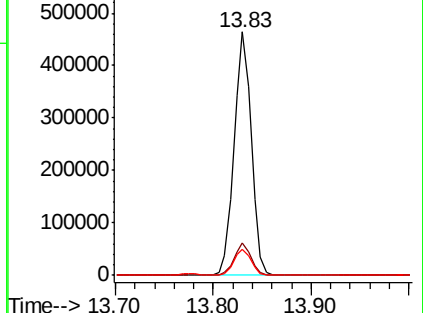
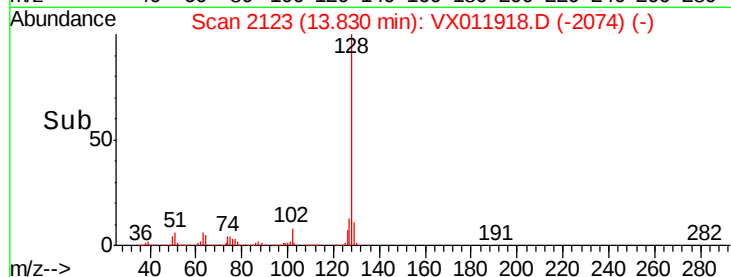


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.286 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VX011918.D

Acq: 30 Aug 2019 20:09

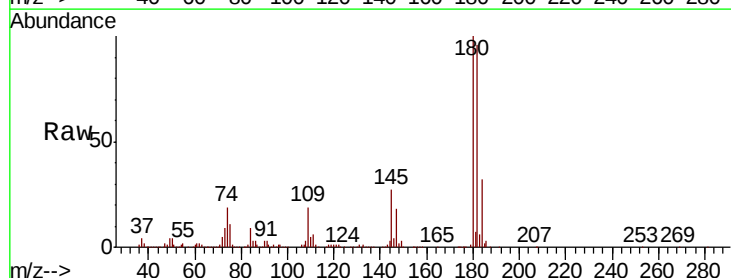
Tgt Ion:180 Resp: 288399

Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.8

145 28.5 14.6 43.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

