

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX051420\
 Data File : VX016219.D
 Acq On : 14 May 2020 10:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: May 15 01:30:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	278152	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.83	114	437484	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	403174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210928	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	161966	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	5.46	113	131217	47.34	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	8.70	98	509428	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.12	95	198718	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	148154	50.32	ug/l	100
3) Chloromethane	1.31	50	148911	43.55	ug/l	100
4) Vinyl Chloride	1.39	62	165654	45.41	ug/l	99
5) Bromomethane	1.62	94	73818	40.14	ug/l	98
6) Chloroethane	1.70	64	98174	44.23	ug/l	99
7) Trichlorofluoromethane	1.91	101	219927	45.92	ug/l	99
8) Diethyl Ether	2.17	74	87818	43.52	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	128673	46.57	ug/l	99
10) Methyl Iodide	2.49	142	137401	37.02	ug/l	100
11) Tert butyl alcohol	3.02	59	188268	203.41	ug/l	100
12) 1,1-Dichloroethene	2.35	96	126114	43.62	ug/l	92
13) Acrolein	2.27	56	110347	190.52	ug/l	98
14) Allyl chloride	2.70	41	234558	44.24	ug/l	96
15) Acrylonitrile	3.11	53	423870	220.75	ug/l	99
16) Acetone	2.42	43	329548	201.79	ug/l	96
17) Carbon Disulfide	2.55	76	372423	42.86	ug/l	100
18) Methyl Acetate	2.75	43	184051	45.83	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	471485	47.30	ug/l	100
20) Methylene Chloride	2.83	84	150681	44.76	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	145193	45.06	ug/l	97
22) Diisopropyl ether	3.82	45	461115	46.10	ug/l	90
23) Vinyl Acetate	3.78	43	2012061	228.66	ug/l	100
24) 1,1-Dichloroethane	3.67	63	264849	47.34	ug/l	100
25) 2-Butanone	4.63	43	559567	212.63	ug/l	99
26) 2,2-Dichloropropane	4.54	77	239937	46.96	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	166067	47.14	ug/l	98
28) Bromochloromethane	4.98	49	116900	45.82	ug/l	96
29) Tetrahydrofuran	5.09	42	379135	217.43	ug/l	99
30) Chloroform	5.17	83	264957	47.56	ug/l	100
31) Cyclohexane	5.54	56	236700	46.55	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	238213	47.04	ug/l	98
36) 1,1-Dichloropropene	5.77	75	203572	47.27	ug/l	100
37) Ethyl Acetate	4.79	43	222375	44.55	ug/l	99
38) Carbon Tetrachloride	5.76	117	212268	48.49	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	236808	45.66	ug/l	99
40) Benzene	6.11	78	606708	48.15	ug/l	97
41) Methacrylonitrile	5.00	41	122346	45.39	ug/l	100
42) 1,2-Dichloroethane	6.16	62	209704	46.20	ug/l	99
43) Isopropyl Acetate	6.41	43	358920	45.07	ug/l	98
44) Trichloroethene	7.19	130	203332	45.42	ug/l	98
45) 1,2-Dichloropropane	7.49	63	156305	49.02	ug/l	97
46) Dibromomethane	7.63	93	102720	47.41	ug/l	99
47) Bromodichloromethane	7.87	83	216672	49.10	ug/l	100
48) Methyl methacrylate	7.74	41	170957	45.30	ug/l	96
49) 1,4-Dioxane	7.71	88	78119	863.16	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1120956	230.02	ug/l	98
52) Toluene	8.76	92	387307	49.31	ug/l	100
53) t-1,3-Dichloropropene	9.02	75	254078	48.29	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	267956	48.76	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	153282	49.60	ug/l	99
56) Ethyl methacrylate	9.16	69	248358	49.24	ug/l	95
57) 1,3-Dichloropropane	9.35	76	263928	48.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	657239	244.76	ug/l	100
59) 2-Hexanone	9.47	43	865871	226.24	ug/l	98
60) Dibromochloromethane	9.57	129	171309	50.34	ug/l	99
61) 1,2-Dibromoethane	9.65	107	161920	48.38	ug/l	99
64) Tetrachloroethene	9.32	164	238663	48.22	ug/l	98
65) Chlorobenzene	10.12	112	411446	48.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	157821	50.58	ug/l	99
67) Ethyl Benzene	10.24	91	745153	49.47	ug/l	100
68) m/p-Xylenes	10.34	106	559974	99.23	ug/l	99
69) o-Xylene	10.68	106	268315	49.46	ug/l	100
70) Styrene	10.70	104	469103	50.97	ug/l	100
71) Bromoform	10.84	173	131096	51.57	ug/l #	97
73) Isopropylbenzene	11.00	105	721640	47.04	ug/l	99
74) N-amyl acetate	10.88	43	311015	43.46	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	154963	51.28	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	298026	62.26	ug/l	84
77) Bromobenzene	11.24	156	182015	45.96	ug/l	99
78) n-propylbenzene	11.34	91	836564	46.87	ug/l	99
79) 2-Chlorotoluene	11.40	91	493899	46.88	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	615948	47.55	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	91662	45.64	ug/l	94
82) 4-Chlorotoluene	11.49	91	595999	47.91	ug/l	100
83) tert-Butylbenzene	11.76	119	525201	47.05	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	629977	48.11	ug/l	99
85) sec-Butylbenzene	11.93	105	700061	46.45	ug/l	100
86) p-Isopropyltoluene	12.05	119	661419	47.26	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	336170	47.28	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	334363	46.33	ug/l	98
89) n-Butylbenzene	12.37	91	583003	45.60	ug/l	100
90) Hexachloroethane	12.58	117	110686	46.06	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	326237	47.65	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	53723	42.59	ug/l	97

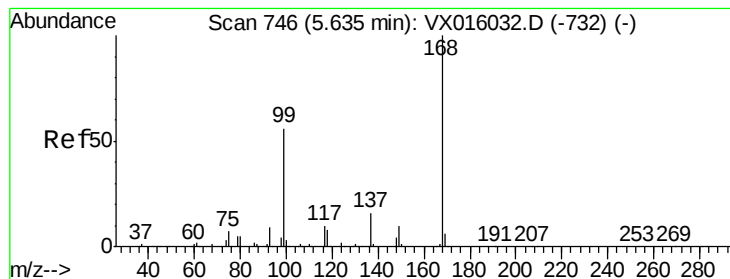
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
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QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	232169	45.80	ug/l	99
94) Hexachlorobutadiene	13.77	225	94130	43.20	ug/l	96
95) Naphthalene	13.82	128	755033	46.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	232131	46.86	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

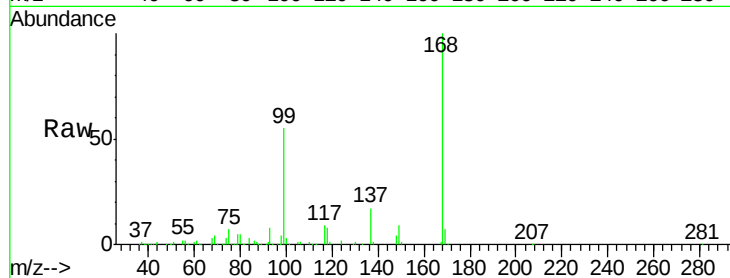
VSTDCCC050

Tgt Ion:168 Resp: 278152

Ion Ratio Lower Upper

168 100

99 54.7 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

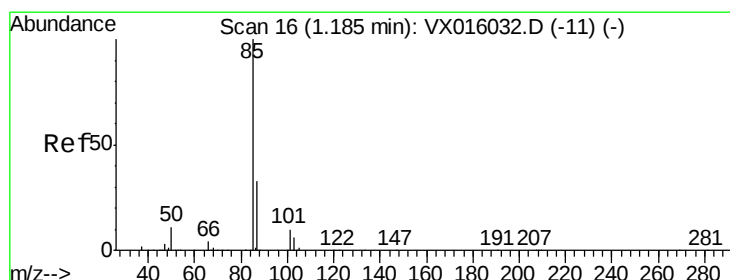
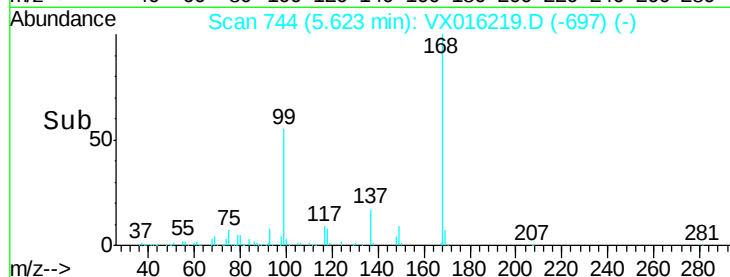
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.32 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016219.D

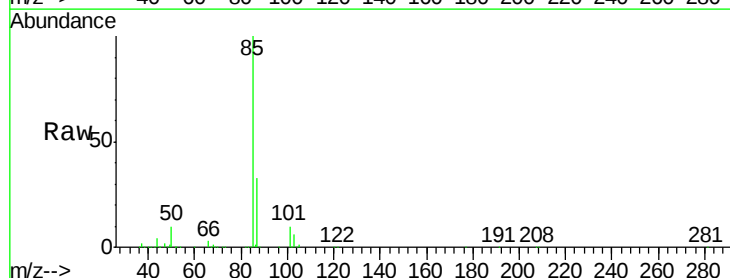
Acq: 14 May 2020 10:25

Tgt Ion: 85 Resp: 148154

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

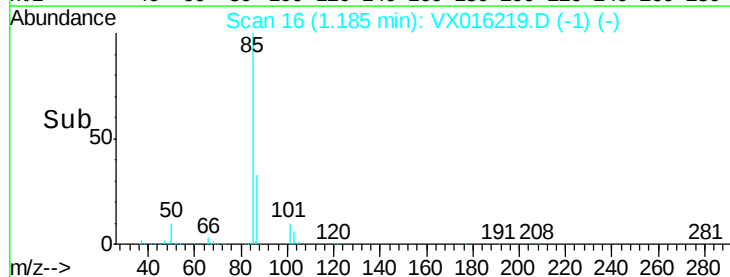
100000

50000

0

1.10 1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.55 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

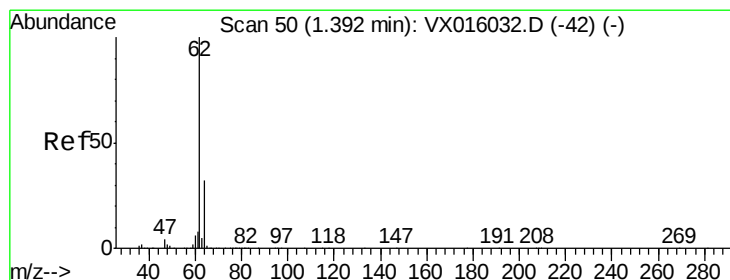
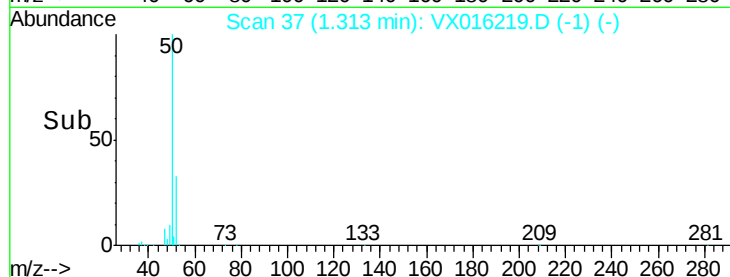
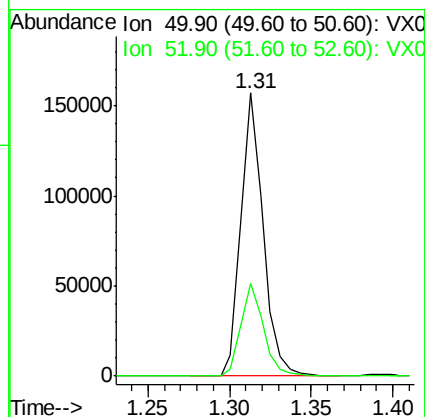
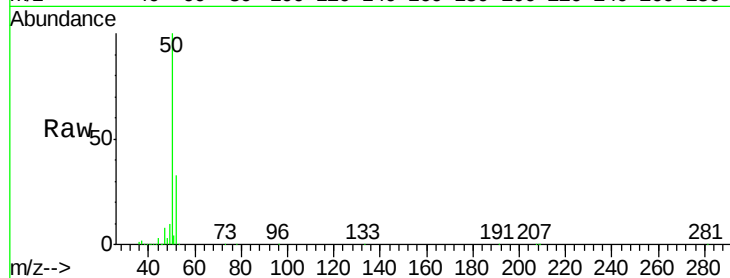
VSTDCCC050

Tgt Ion: 50 Resp: 148911

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 45.41 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016219.D

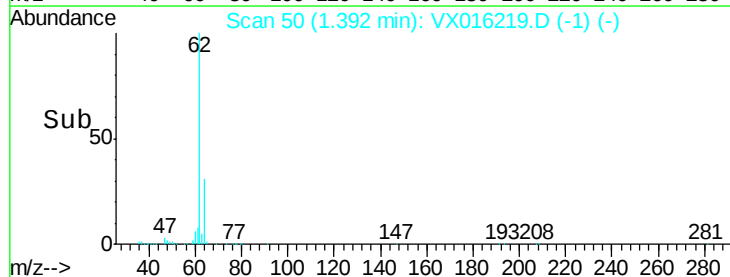
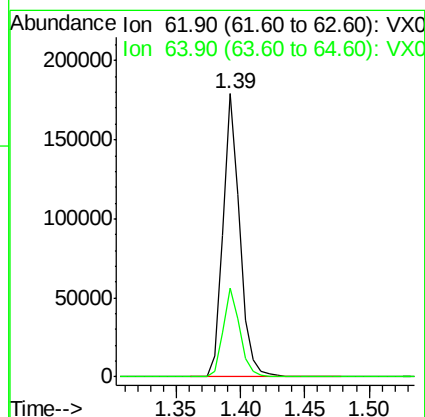
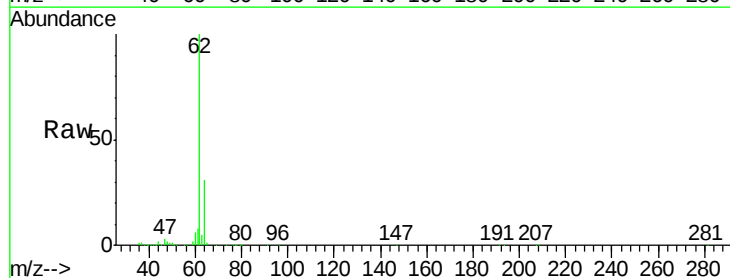
Acq: 14 May 2020 10:25

Tgt Ion: 62 Resp: 165654

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5





#5

Bromomethane

Concen: 40.14 ug/l

RT: 1.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

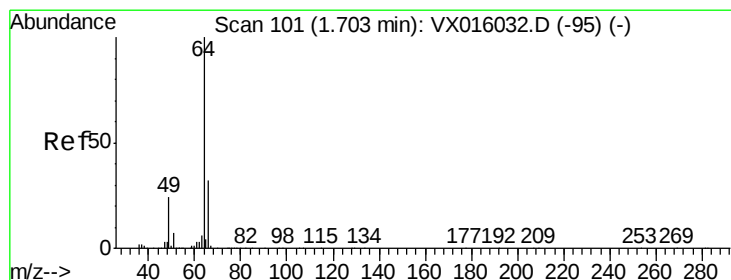
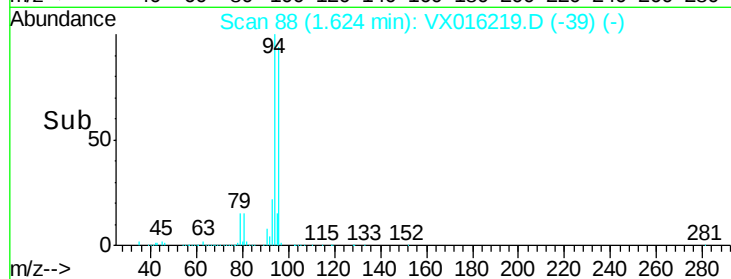
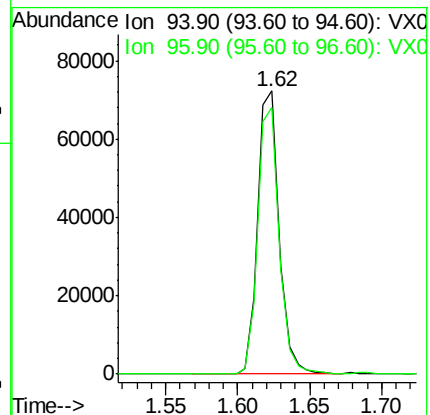
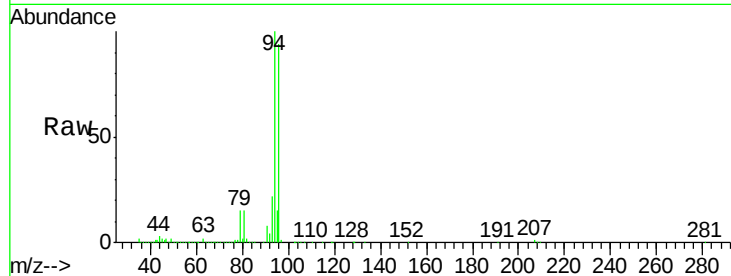
VSTDCCC050

Tgt Ion: 94 Resp: 73818

Ion Ratio Lower Upper

94 100

96 94.4 76.9 115.3



#6

Chloroethane

Concen: 44.23 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX016219.D

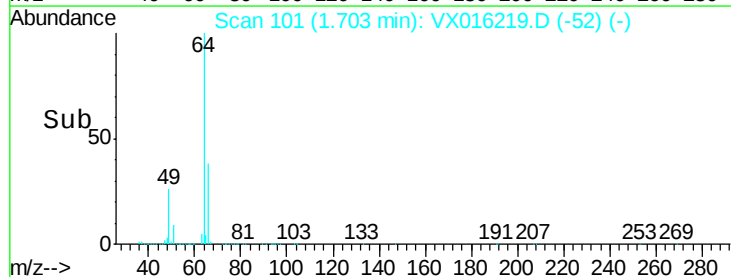
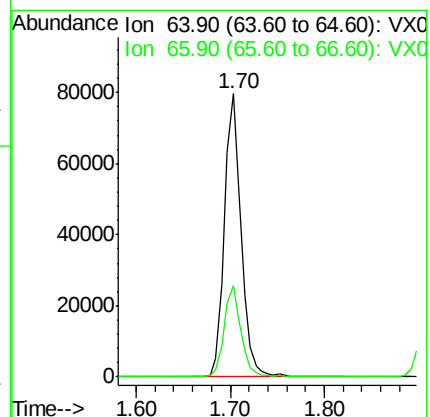
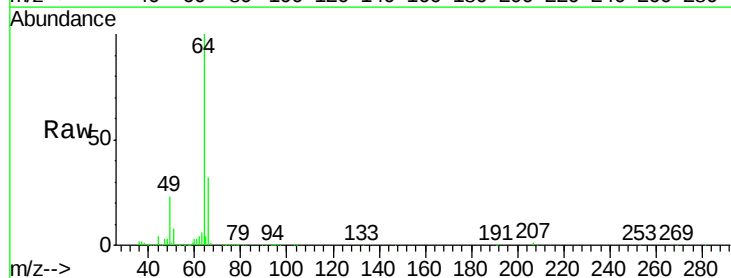
Acq: 14 May 2020 10:25

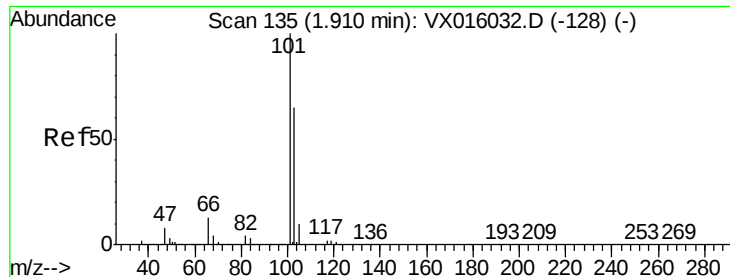
Tgt Ion: 64 Resp: 98174

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

Trichlorofluoromethane

Concen: 45.92 ug/l

RT: 1.91 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

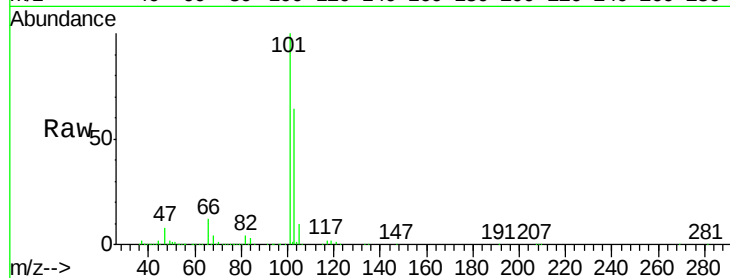
VSTDCCC050

Tgt Ion:101 Resp: 219927

Ion Ratio Lower Upper

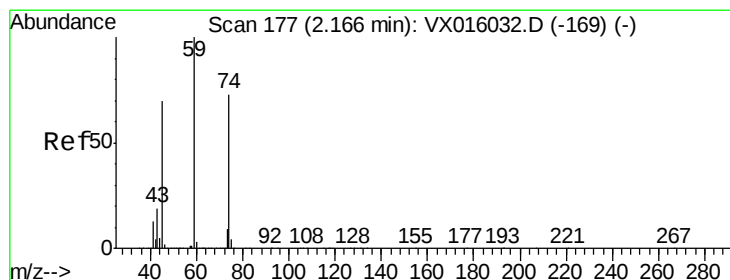
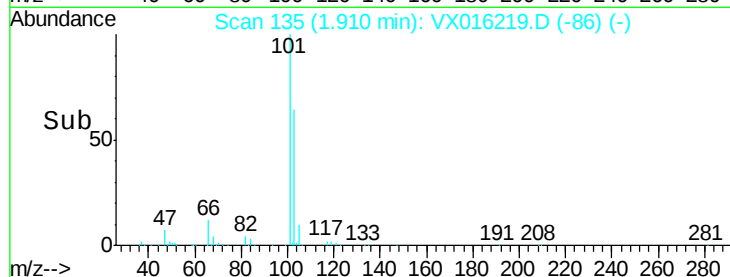
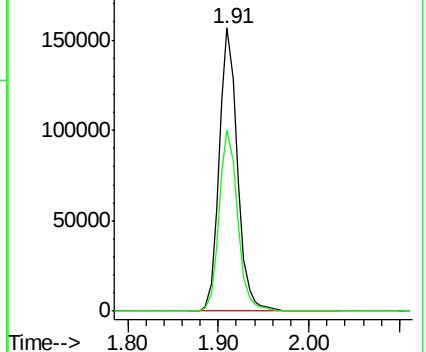
101 100

103 63.9 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 43.52 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX016219.D

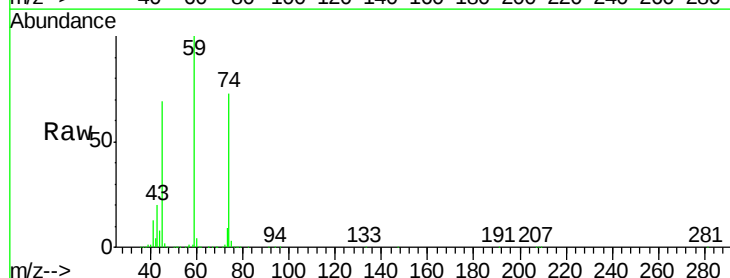
Acq: 14 May 2020 10:25

Tgt Ion: 74 Resp: 87818

Ion Ratio Lower Upper

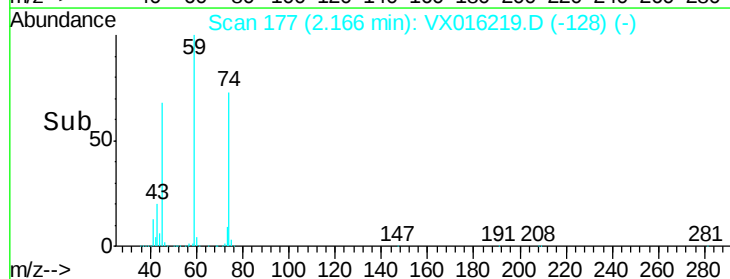
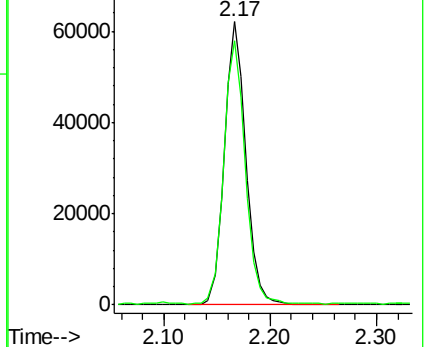
74 100

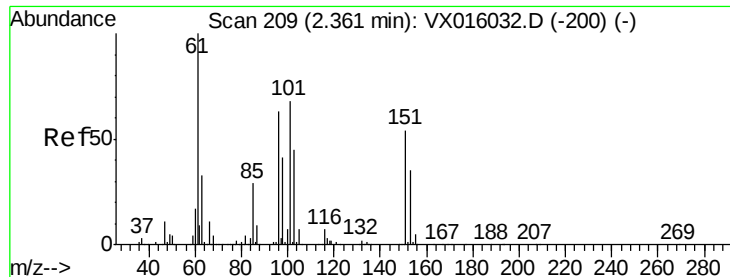
45 92.8 47.3 142.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.57 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

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ClientSampleId :

VSTDCCC050

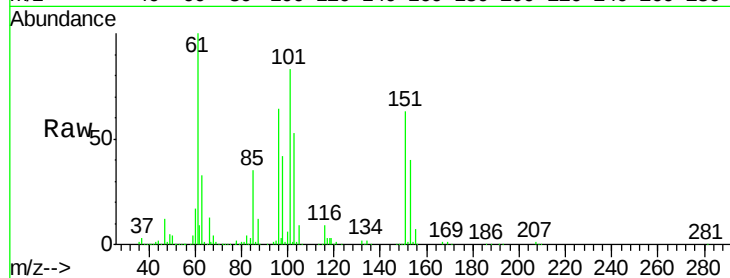
Tgt Ion:101 Resp: 128673

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.4

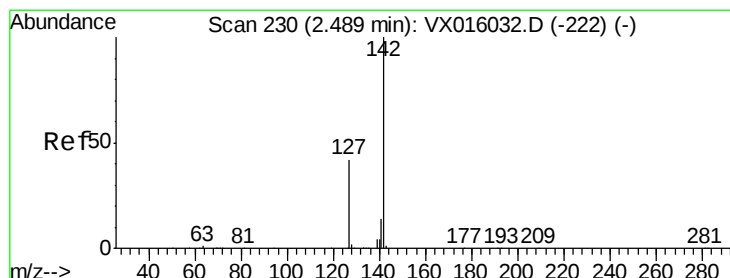
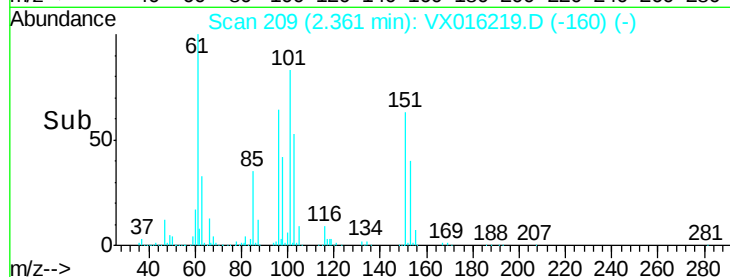
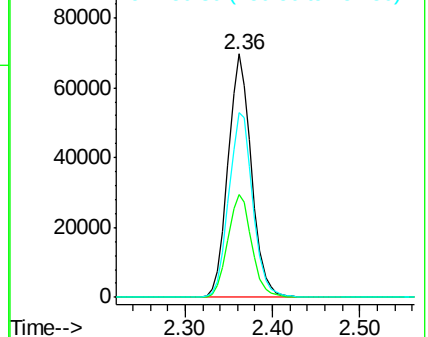
151 78.3 62.1 93.1



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: 37.02 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

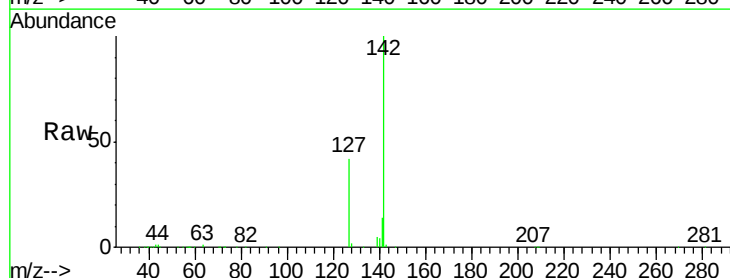
Tgt Ion:142 Resp: 137401

Ion Ratio Lower Upper

142 100

127 43.1 34.6 52.0

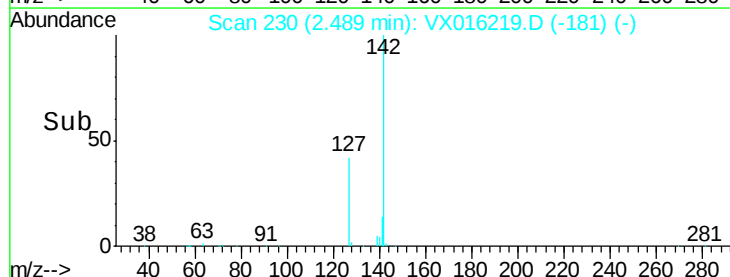
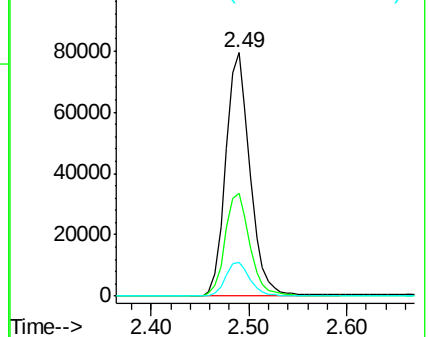
141 14.0 11.3 16.9



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



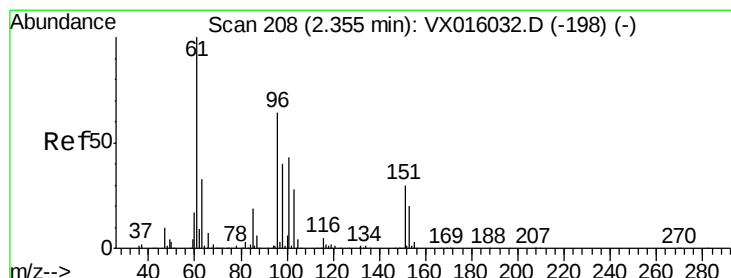
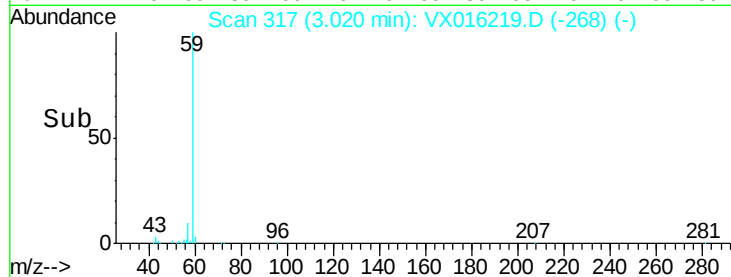
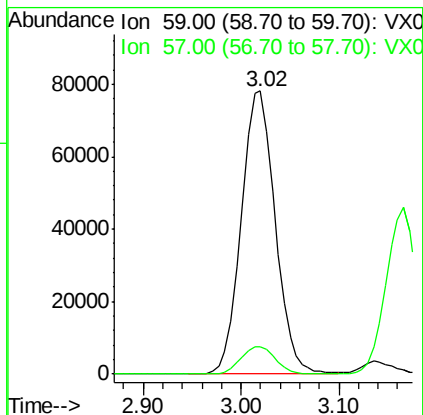
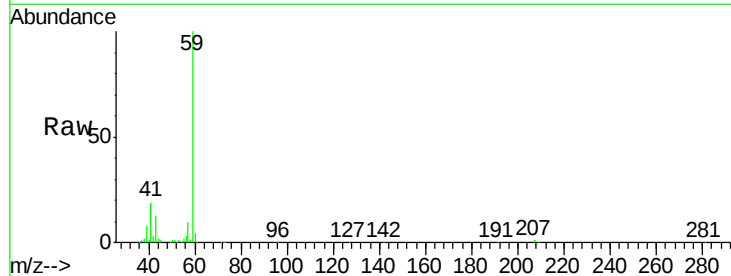


#11

Tert butyl alcohol
Concen: 203.41 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

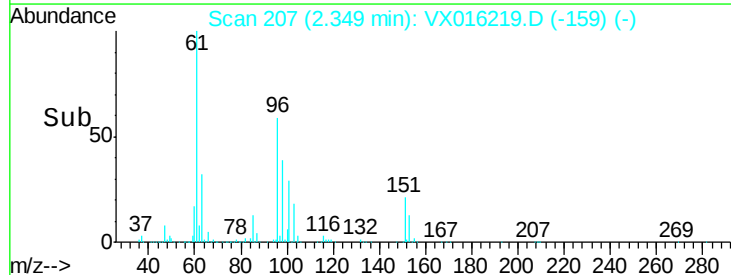
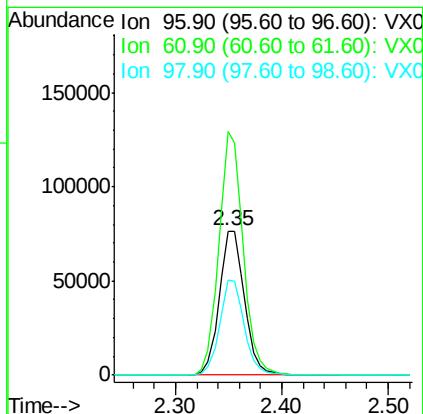
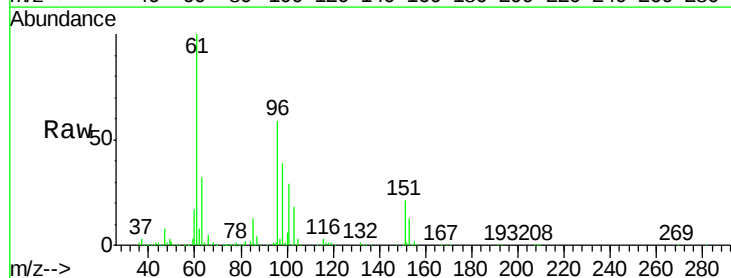
Tgt Ion: 59 Resp: 188268
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12

1,1-Dichloroethene
Concen: 43.62 ug/l
RT: 2.35 min Scan# 207
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 96 Resp: 126114
Ion Ratio Lower Upper
96 100
61 168.6 124.8 187.2
98 65.5 49.7 74.5





#13

Acrolein

Concen: 190.52 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

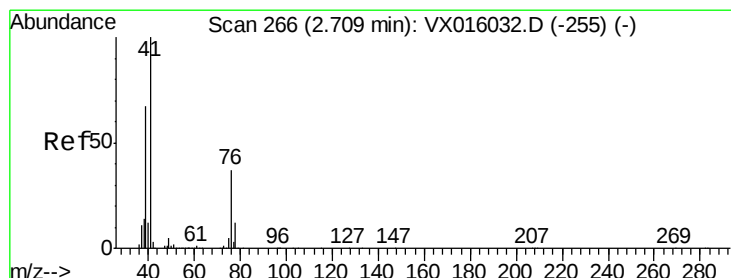
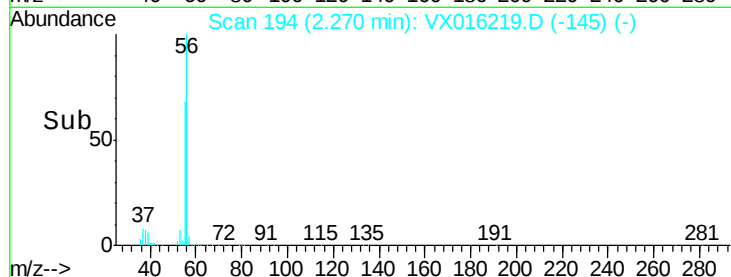
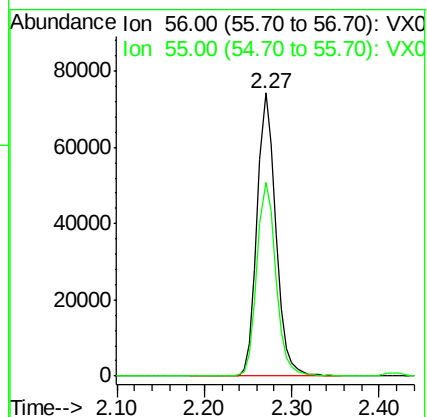
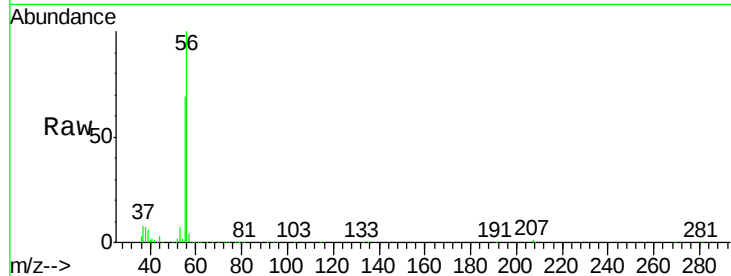
VSTDCCC050

Tgt Ion: 56 Resp: 110347

Ion Ratio Lower Upper

56 100

55 68.6 56.5 84.7



#14

Allyl chloride

Concen: 44.24 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

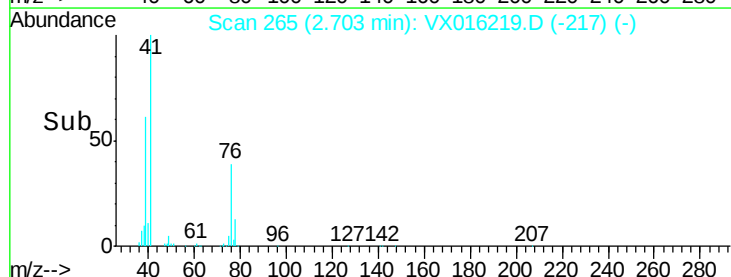
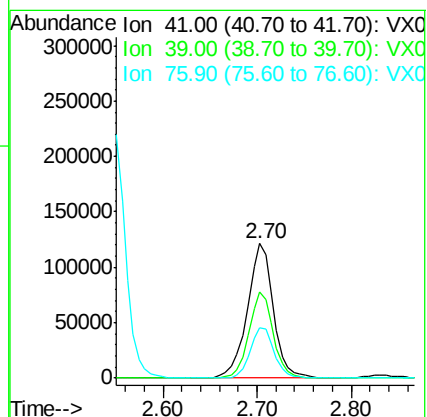
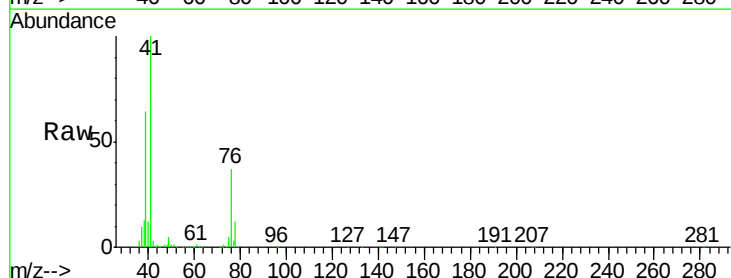
Tgt Ion: 41 Resp: 234558

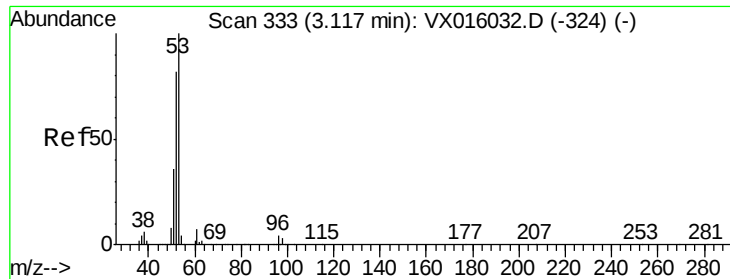
Ion Ratio Lower Upper

41 100

39 59.3 50.5 75.7

76 34.8 26.6 40.0





#15

Acrylonitrile

Concen: 220.75 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

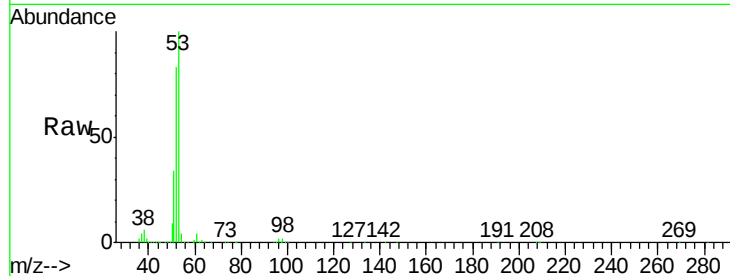
Tgt Ion: 53 Resp: 423870

Ion Ratio Lower Upper

53 100

52 81.8 66.1 99.1

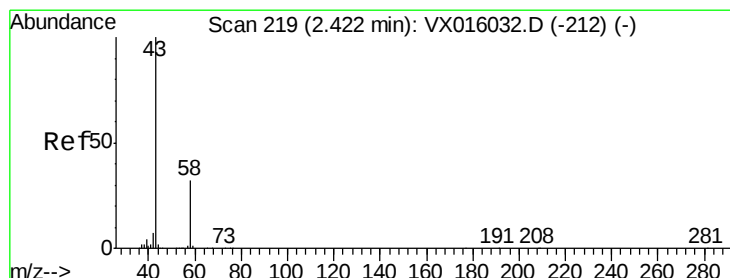
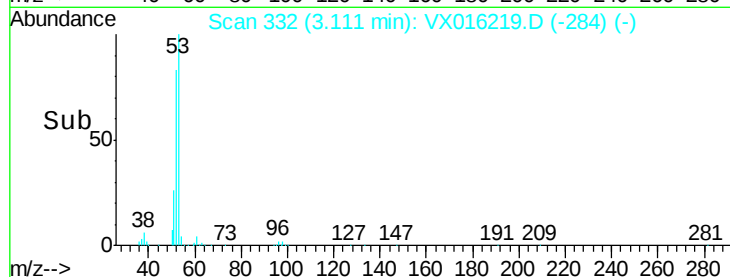
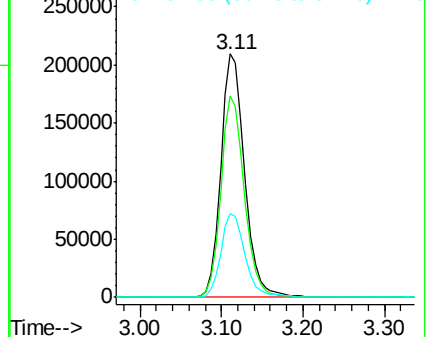
51 35.2 28.8 43.2



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: 201.79 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016219.D

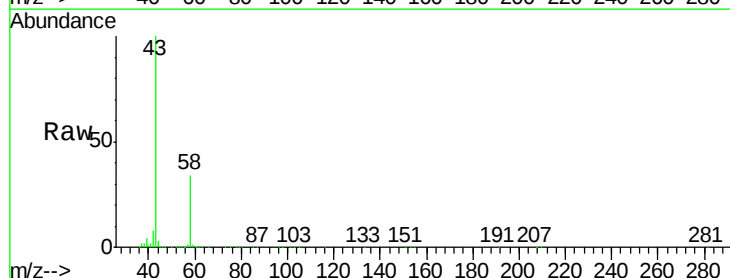
Acq: 14 May 2020 10:25

Tgt Ion: 43 Resp: 329548

Ion Ratio Lower Upper

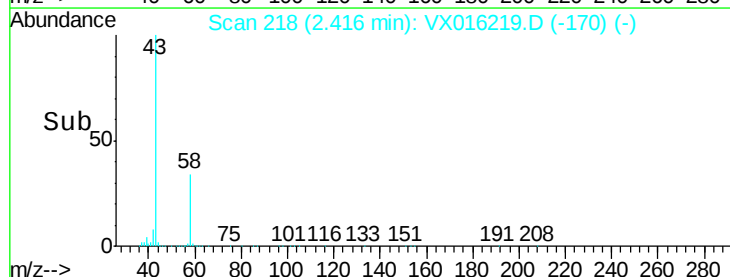
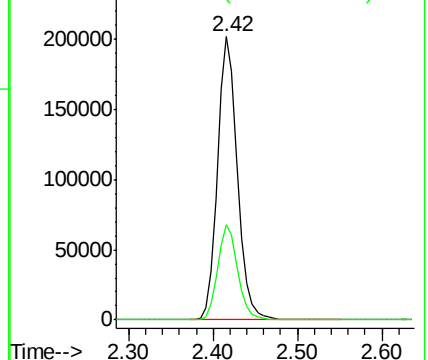
43 100

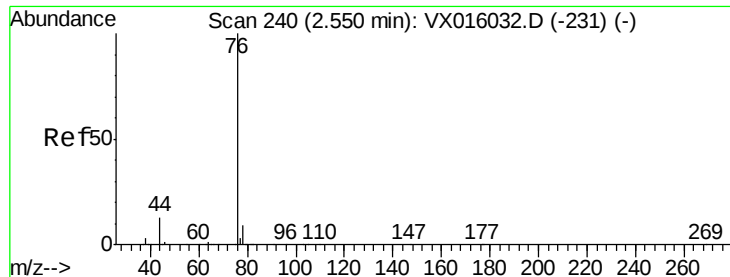
58 33.7 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

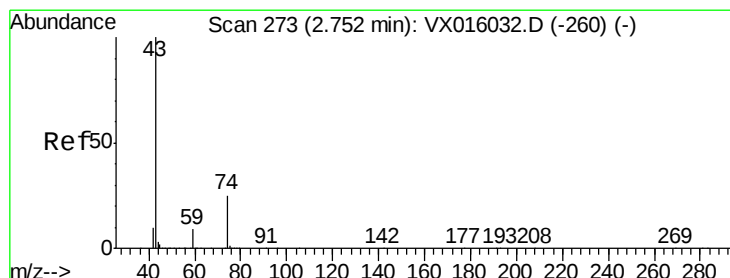
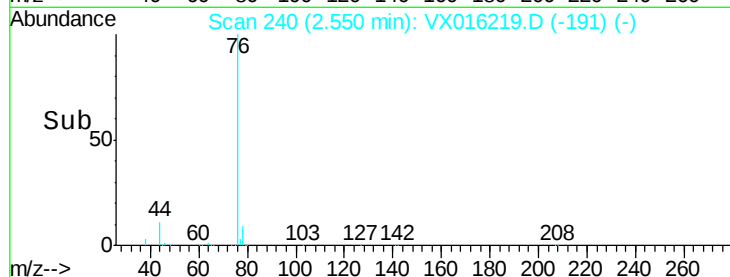
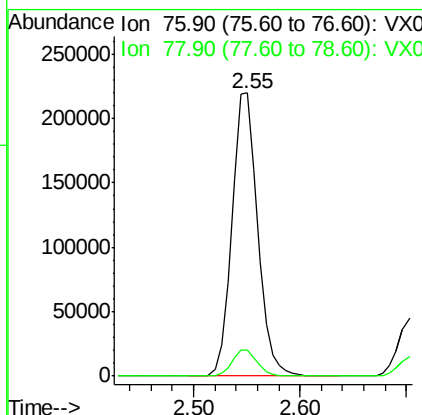
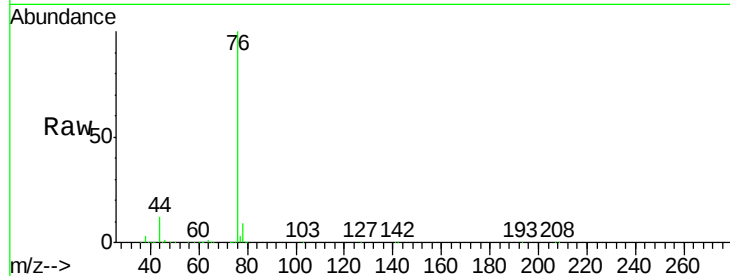




#17
Carbon Disulfide
Concen: 42.86 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

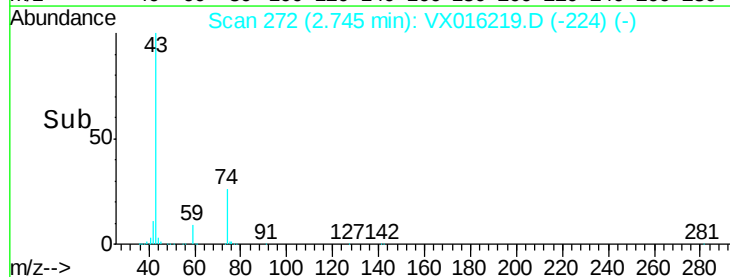
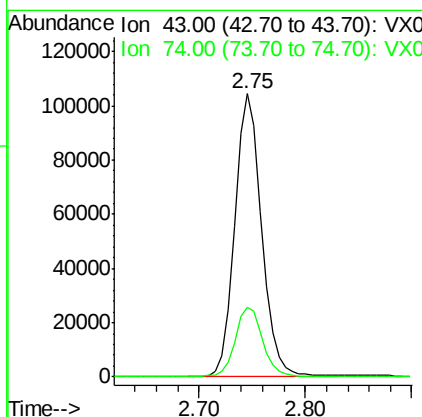
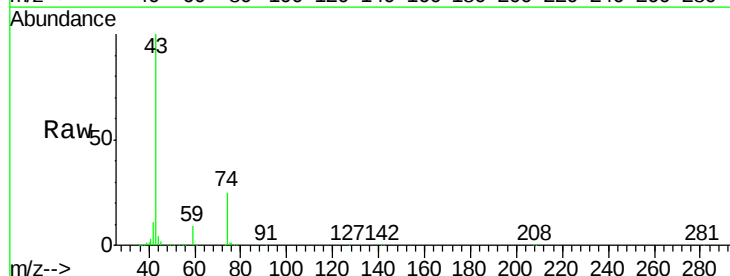
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

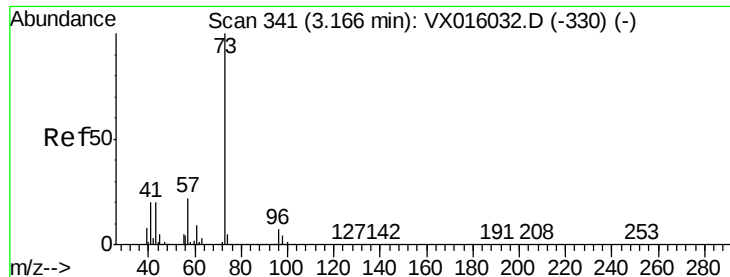
Tgt Ion: 76 Resp: 372423
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 45.83 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 43 Resp: 184051
Ion Ratio Lower Upper
43 100
74 25.6 20.2 30.2

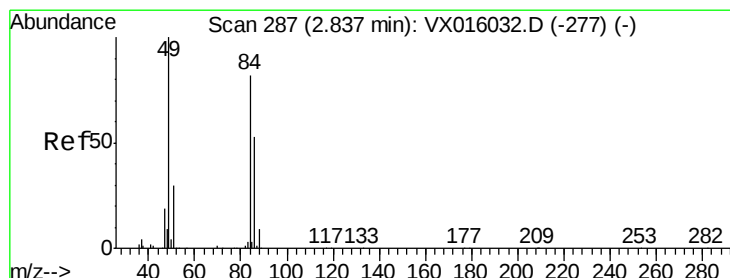
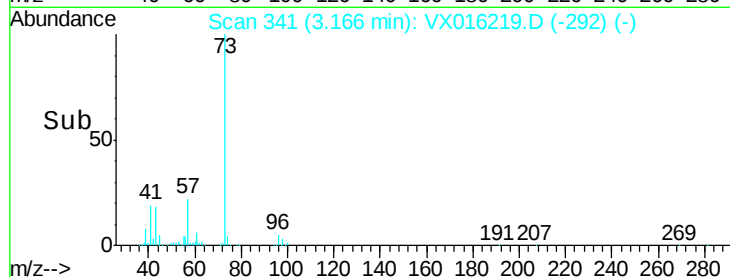
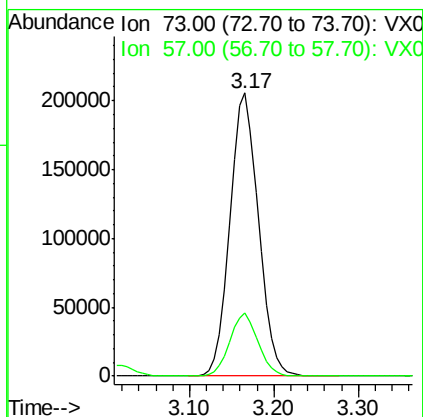
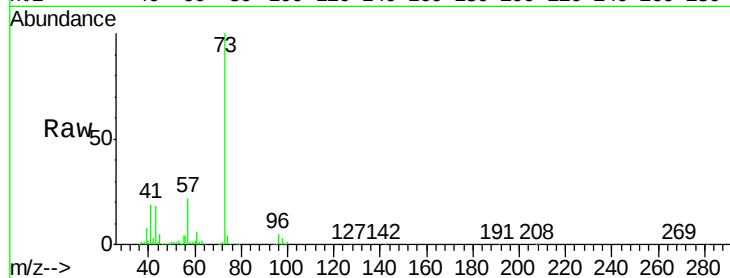




#19
Methyl tert-butyl Ether
Concen: 47.30 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

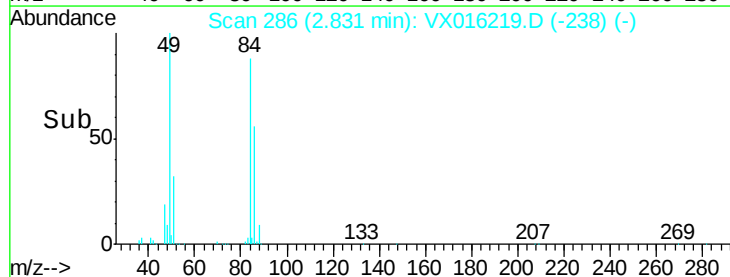
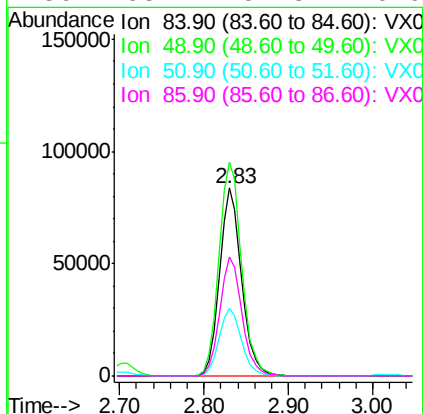
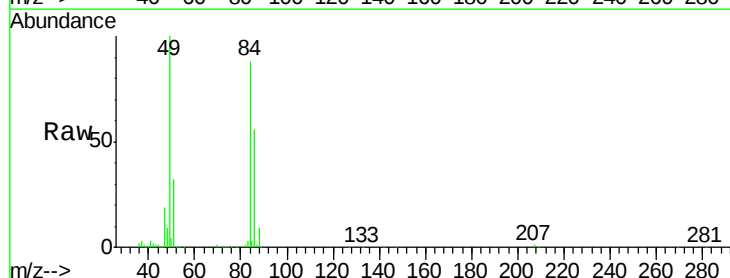
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 471485
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.6



#20
Methylene Chloride
Concen: 44.76 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 84 Resp: 150681
Ion Ratio Lower Upper
84 100
49 113.5 97.3 145.9
51 36.2 29.3 43.9
86 63.2 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 45.06 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

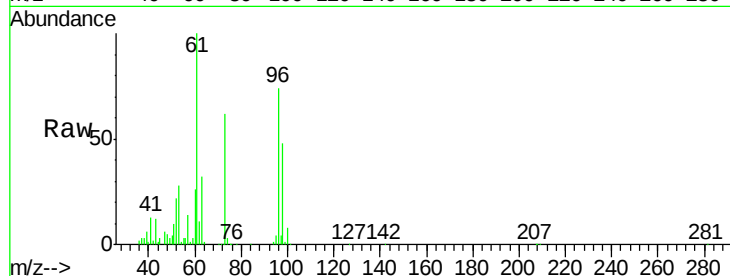
Tgt Ion: 96 Resp: 145193

Ion Ratio Lower Upper

96 100

61 135.4 111.2 166.8

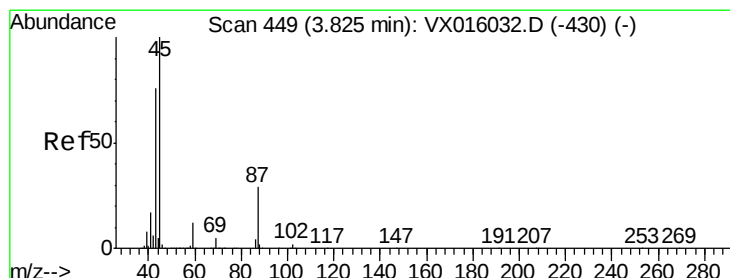
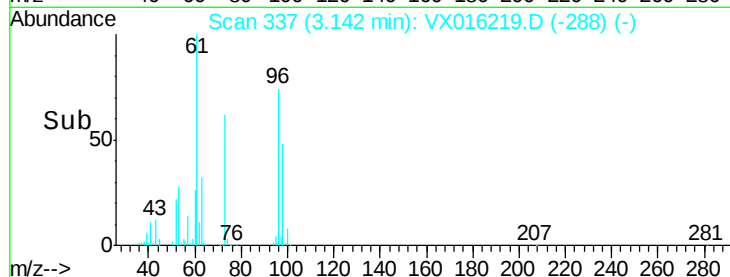
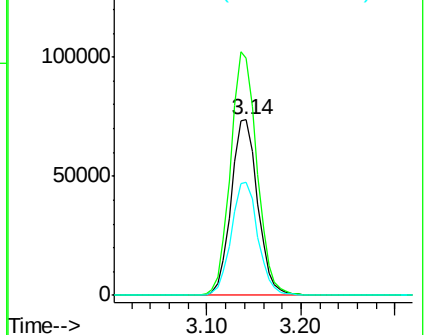
98 64.6 50.2 75.4



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: 46.10 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Tgt Ion: 45 Resp: 461115

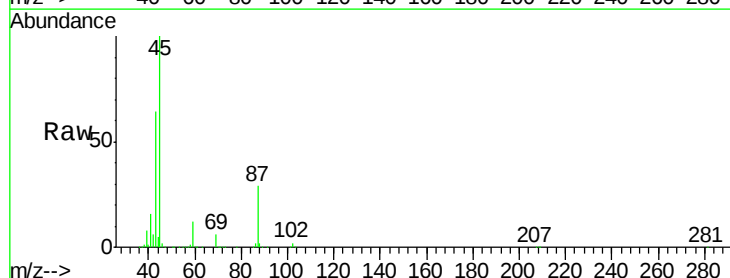
Ion Ratio Lower Upper

45 100

43 63.5 61.1 91.7

87 29.4 23.0 34.6

59 12.0 9.8 14.6

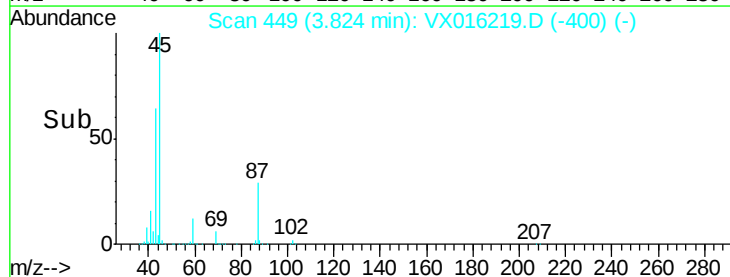
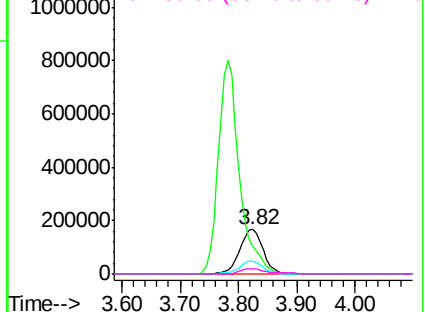


Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 228.66 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

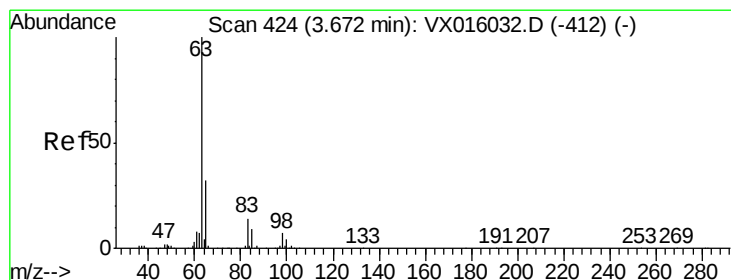
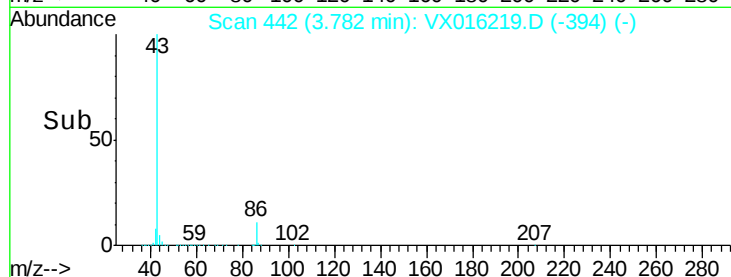
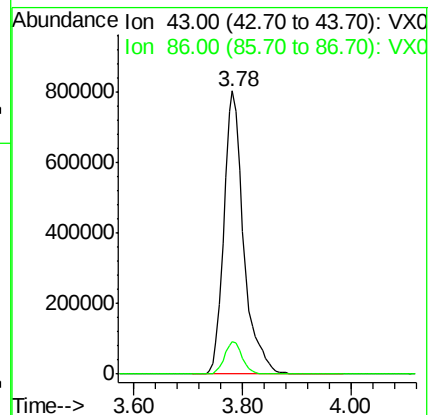
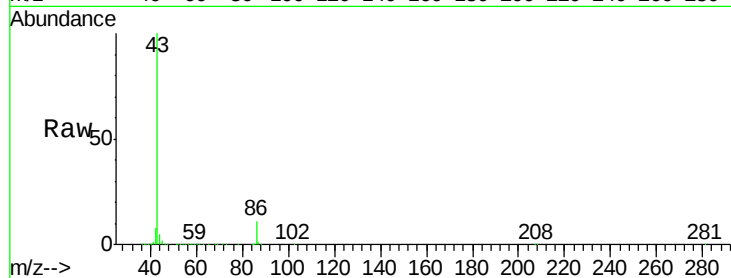
VSTDCCC050

Tgt Ion: 43 Resp: 2012061

Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.4



#24

1,1-Dichloroethane

Concen: 47.34 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

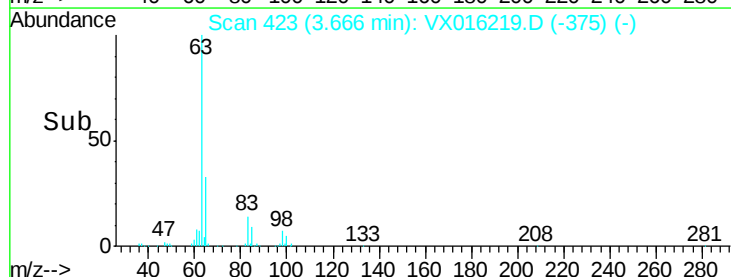
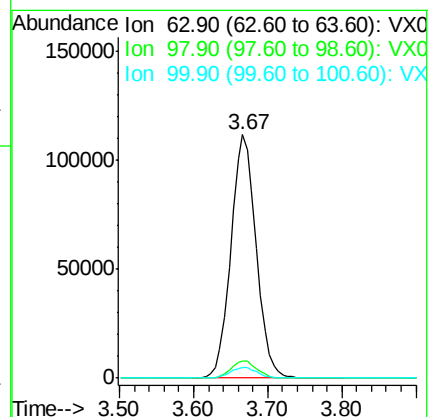
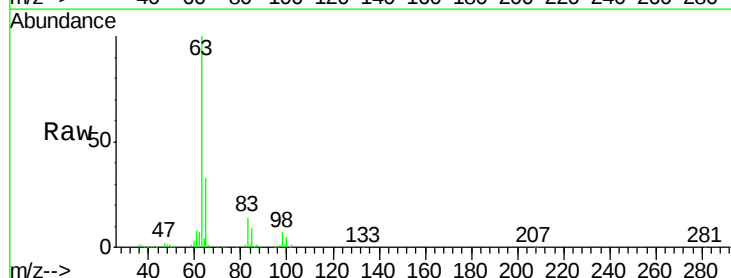
Tgt Ion: 63 Resp: 264849

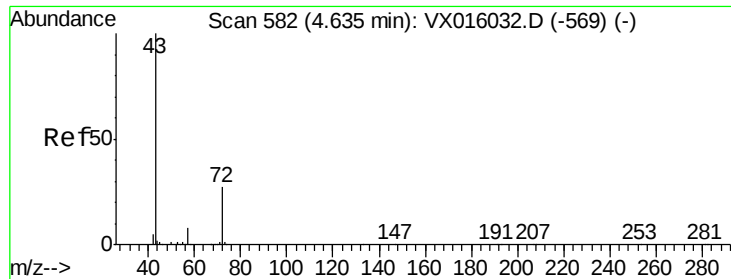
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 212.63 ug/l

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

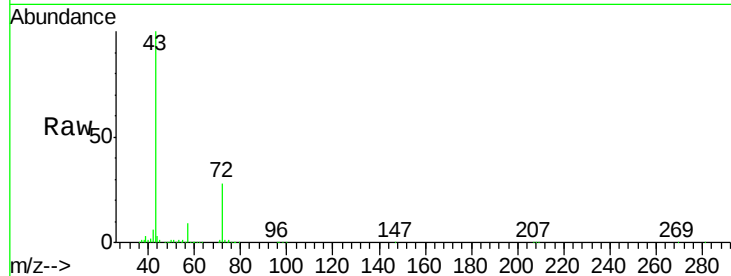
VSTDCCC050

Tgt Ion: 43 Resp: 559567

Ion Ratio Lower Upper

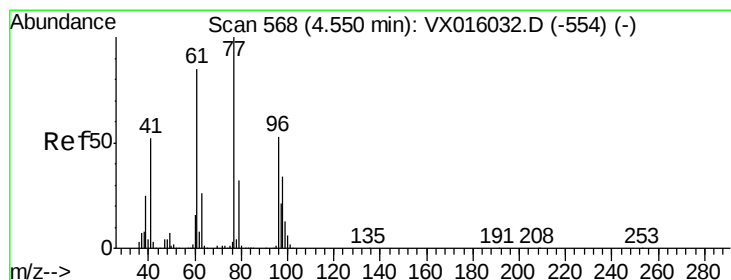
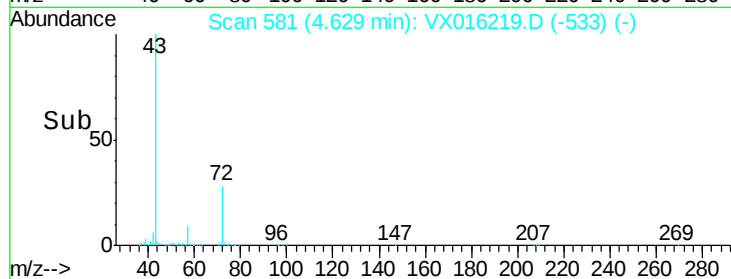
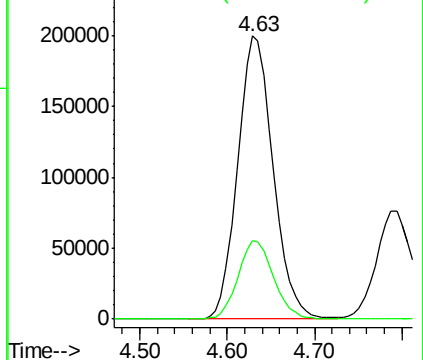
43 100

72 27.7 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 46.96 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX016219.D

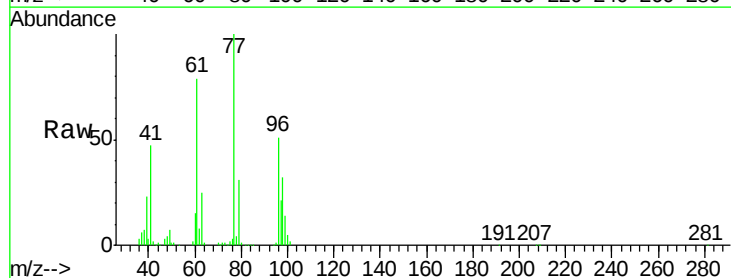
Acq: 14 May 2020 10:25

Tgt Ion: 77 Resp: 239937

Ion Ratio Lower Upper

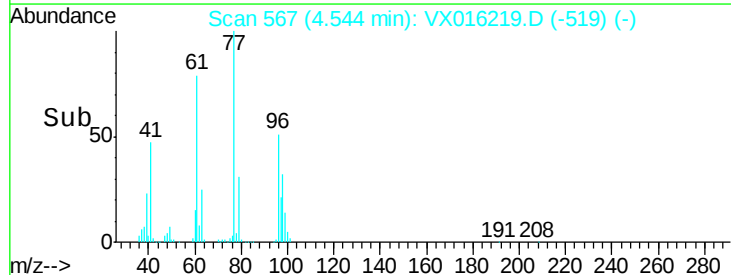
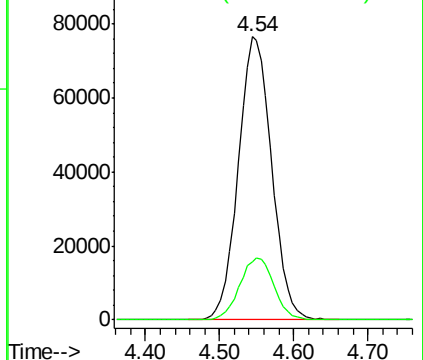
77 100

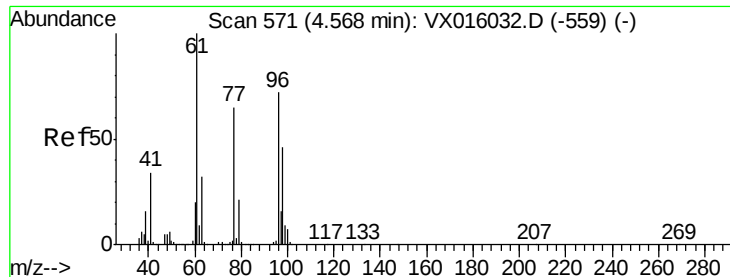
97 22.6 11.2 33.6



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: 47.14 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

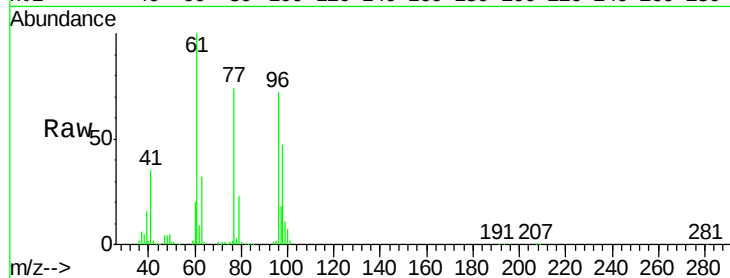
Tgt Ion: 96 Resp: 166067

Ion Ratio Lower Upper

96 100

61 144.4 0.0 296.2

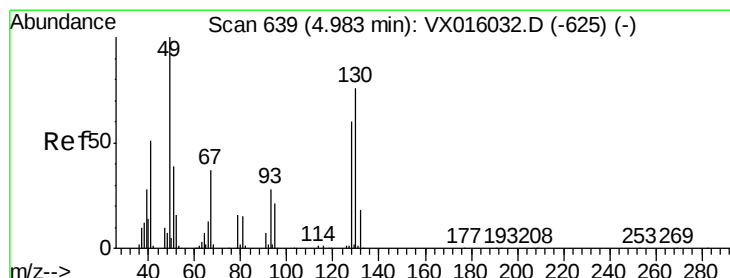
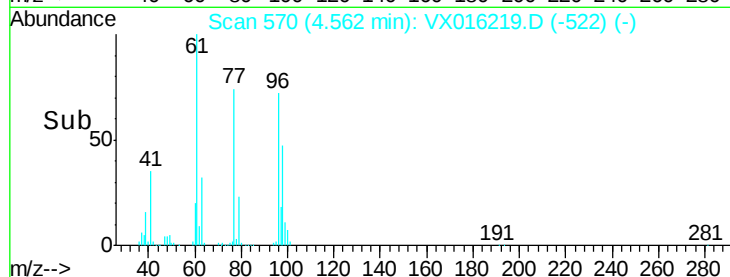
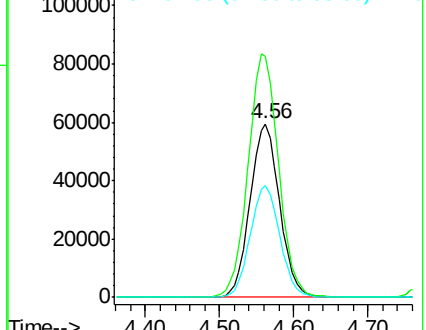
98 64.6 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 45.82 ug/l

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

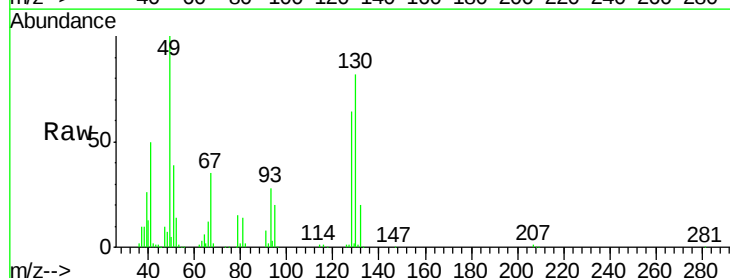
Tgt Ion: 49 Resp: 116900

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

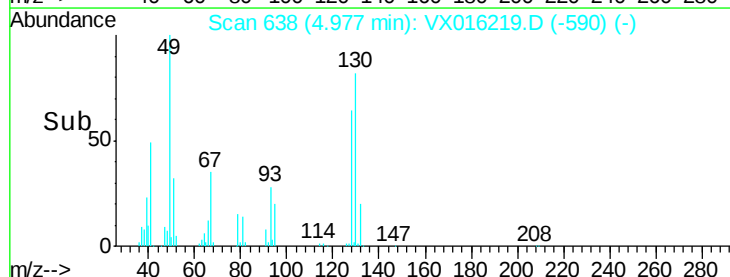
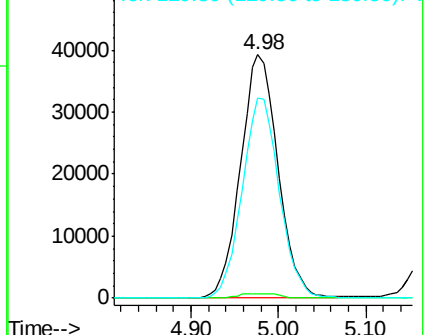
130 81.5 62.4 93.6

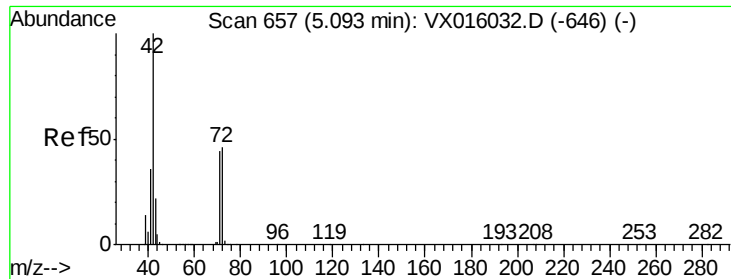


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

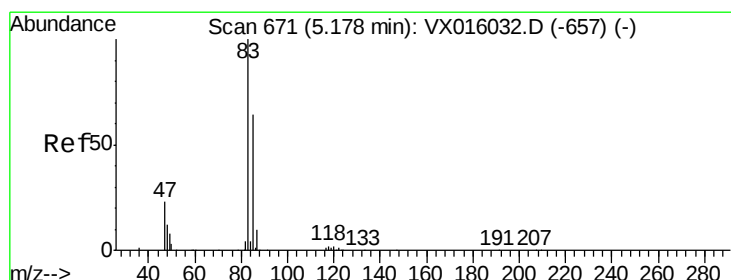
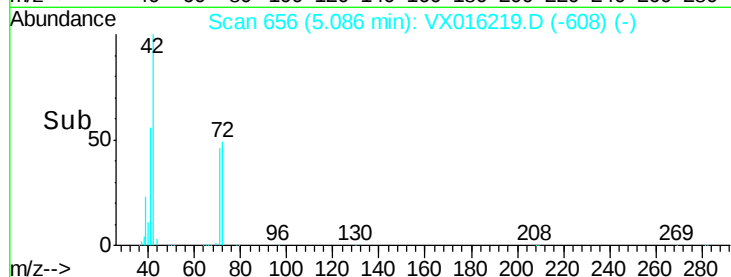
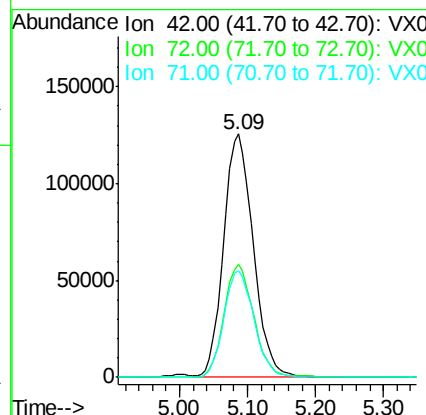
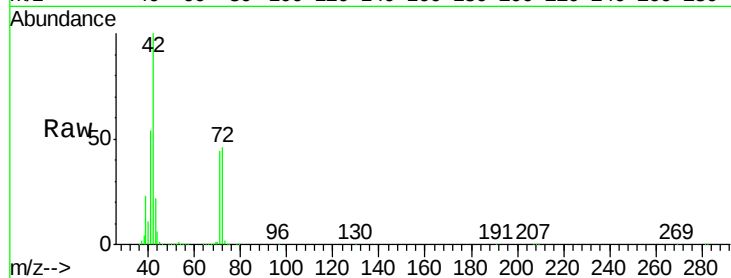




#29
Tetrahydrofuran
Concen: 217.43 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

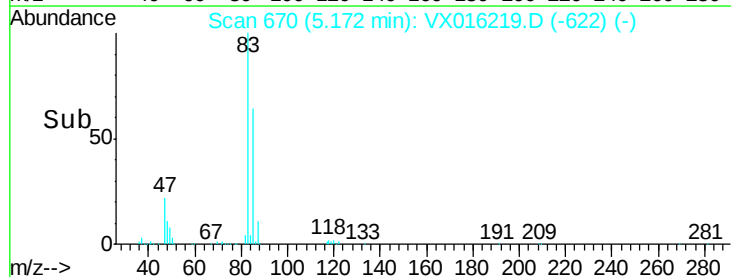
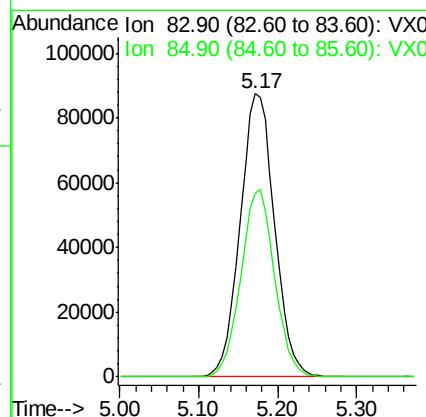
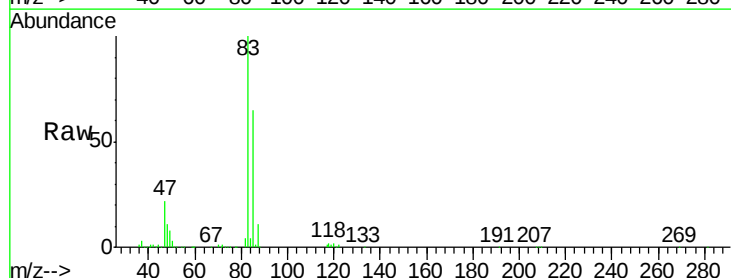
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

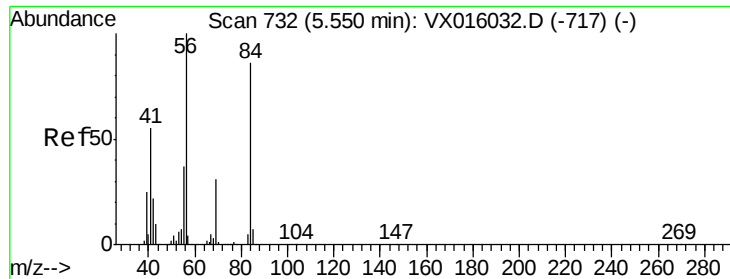
Tgt Ion: 42 Resp: 379135
Ion Ratio Lower Upper
42 100
72 47.0 37.1 55.7
71 44.4 34.5 51.7



#30
Chloroform
Concen: 47.56 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 83 Resp: 264957
Ion Ratio Lower Upper
83 100
85 64.6 51.6 77.4

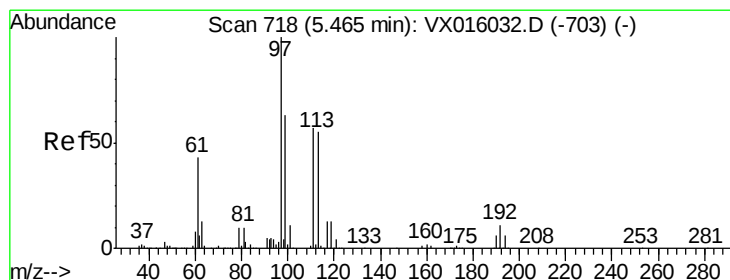
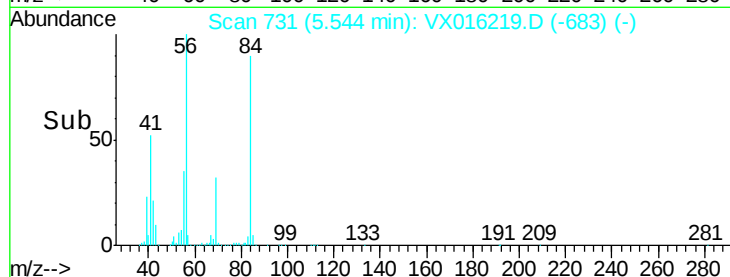
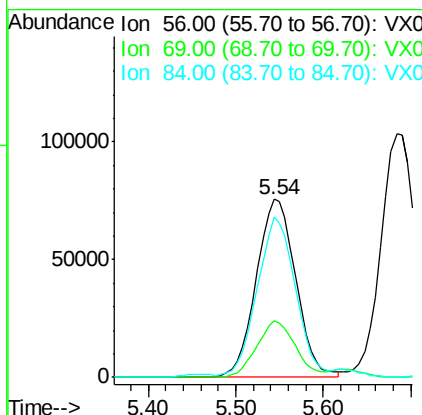
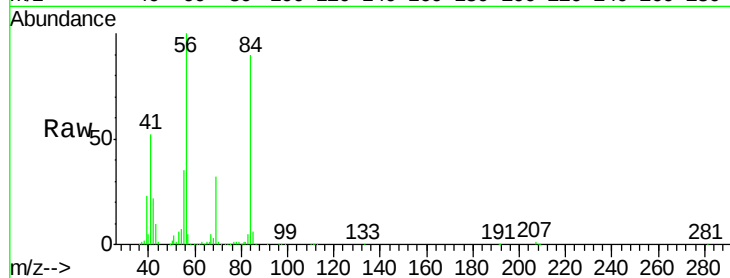




#31
Cyclohexane
Concen: 46.55 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

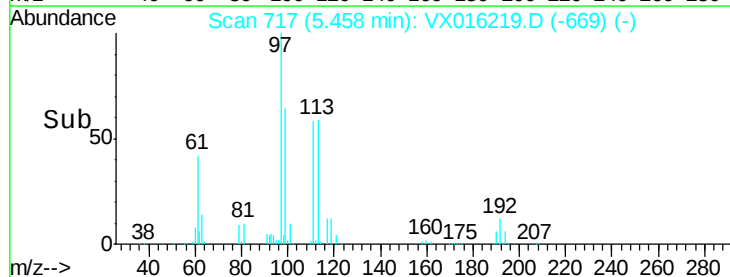
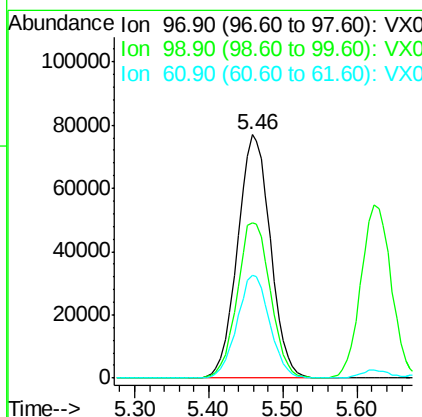
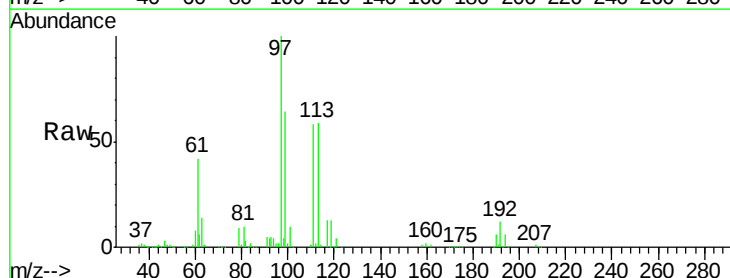
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 236700
Ion Ratio Lower Upper
56 100
69 31.7 25.0 37.6
84 88.6 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 47.04 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 97 Resp: 238213
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 42.1 34.5 51.7

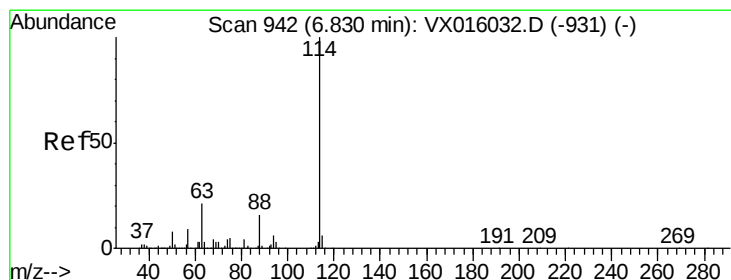
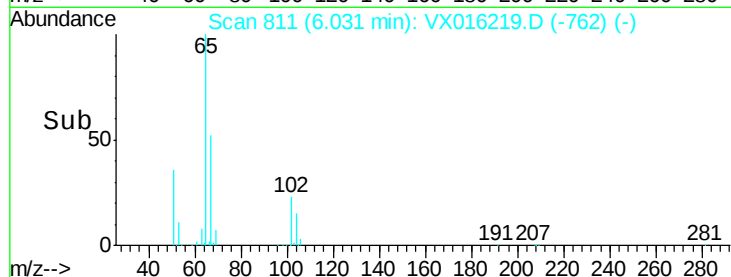
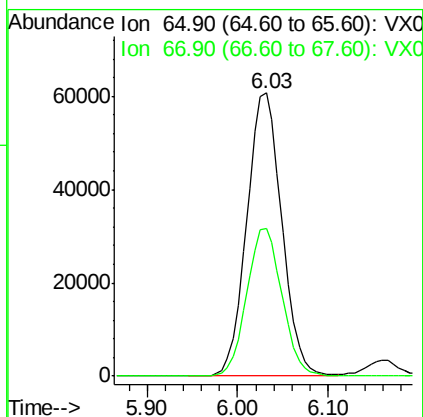
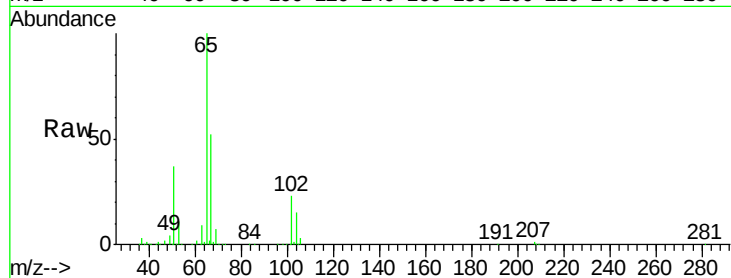




#33
 1,2-Dichloroethane-d4
 Concen: 44.25 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

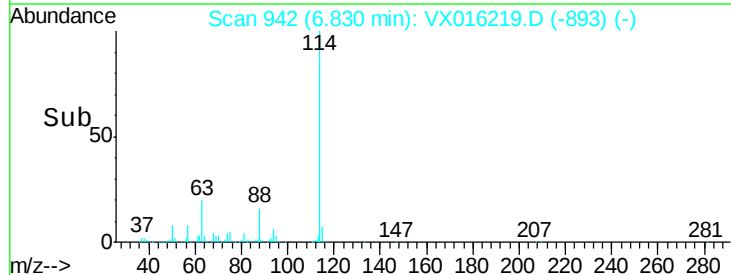
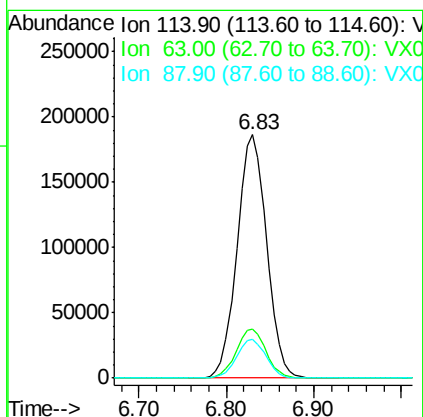
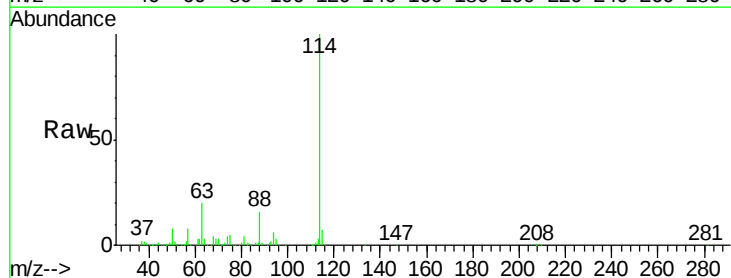
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 161966
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

Tgt Ion: 114 Resp: 437484
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.8
 88 16.1 0.0 31.4

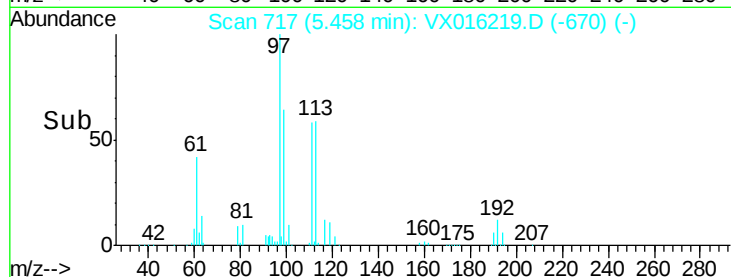
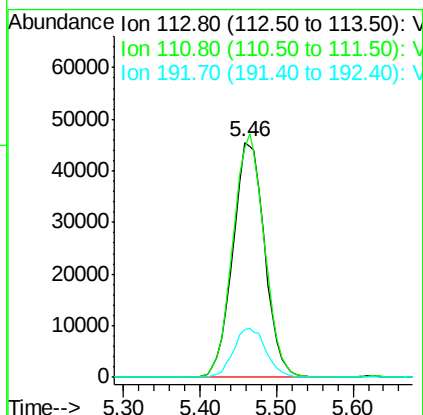
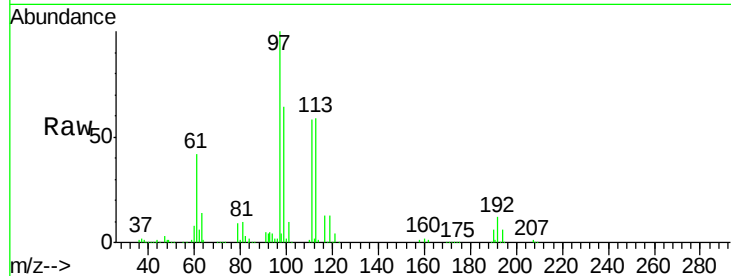




#35
 Dibromofluoromethane
 Concen: 47.34 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

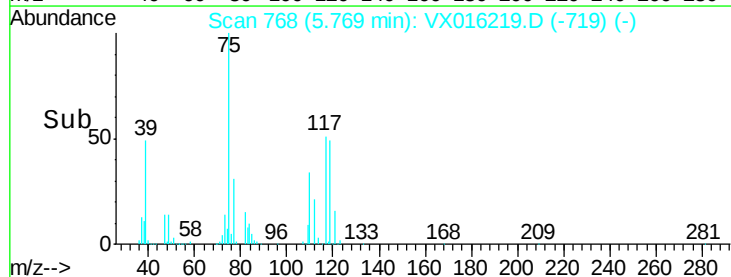
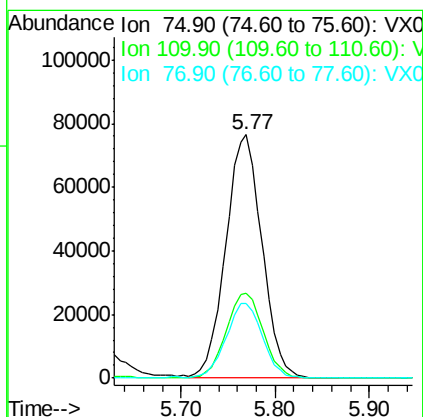
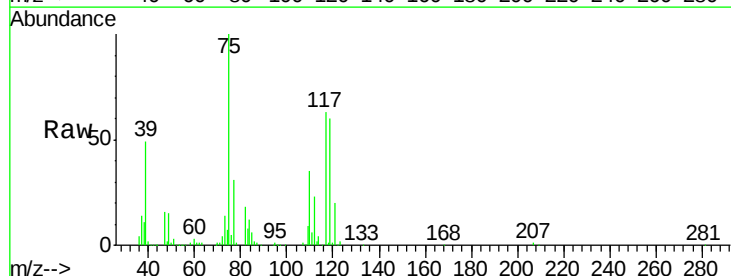
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

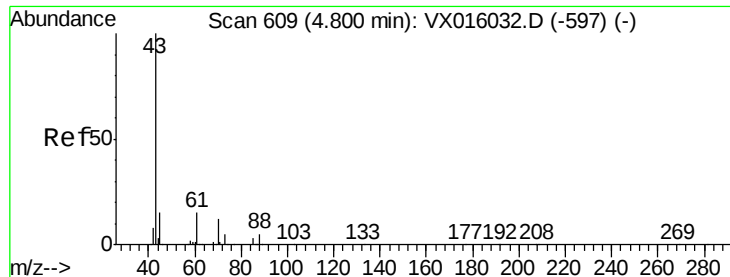
Tgt Ion:113 Resp: 131217
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 21.2 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 47.27 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

Tgt Ion: 75 Resp: 203572
 Ion Ratio Lower Upper
 75 100
 110 35.7 18.1 54.1
 77 31.2 25.0 37.6

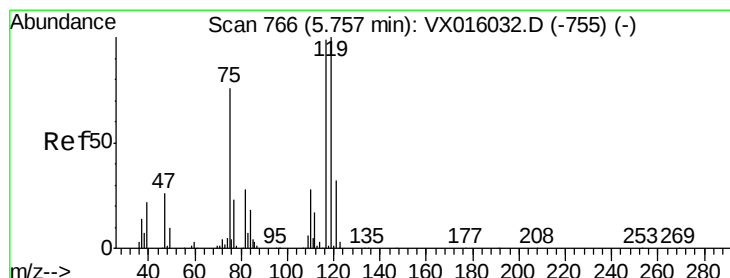
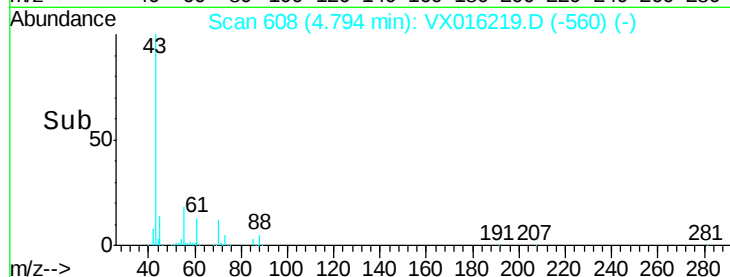
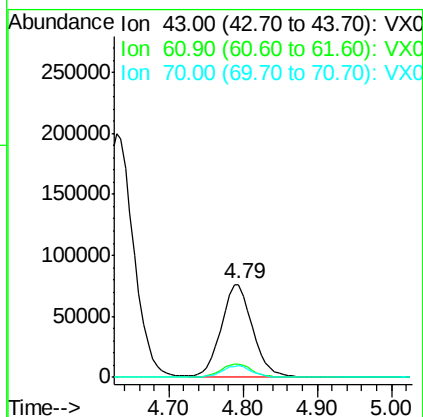
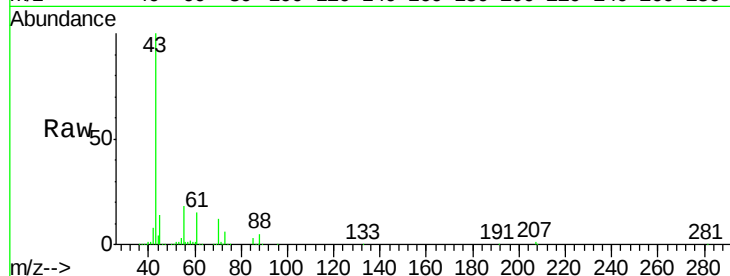




#37
Ethyl Acetate
Concen: 44.55 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

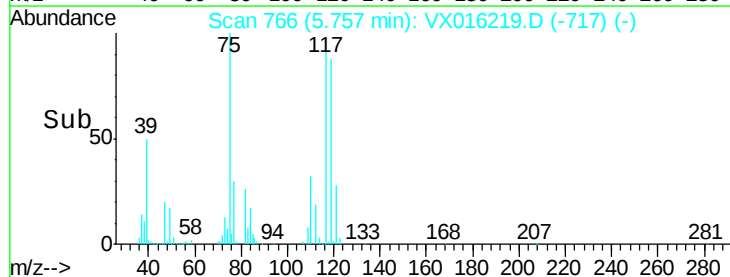
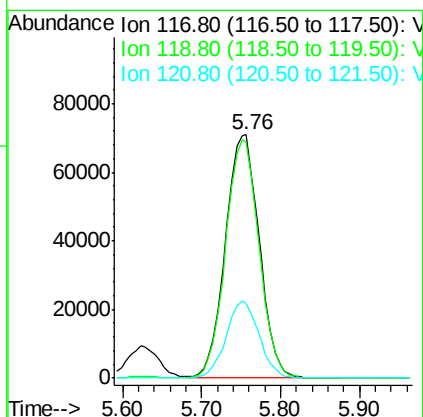
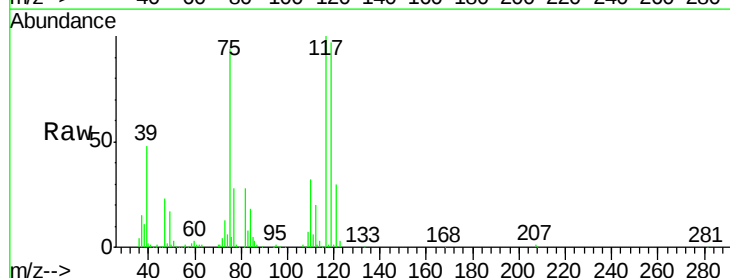
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

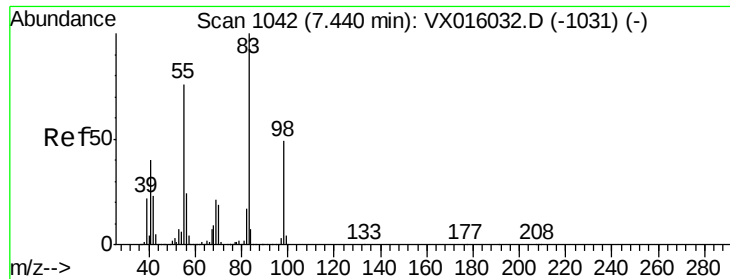
Tgt Ion: 43 Resp: 222375
Ion Ratio Lower Upper
43 100
61 14.4 11.7 17.5
70 12.2 9.3 13.9



#38
Carbon Tetrachloride
Concen: 48.49 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 117 Resp: 212268
Ion Ratio Lower Upper
117 100
119 97.0 80.3 120.5
121 30.5 25.7 38.5

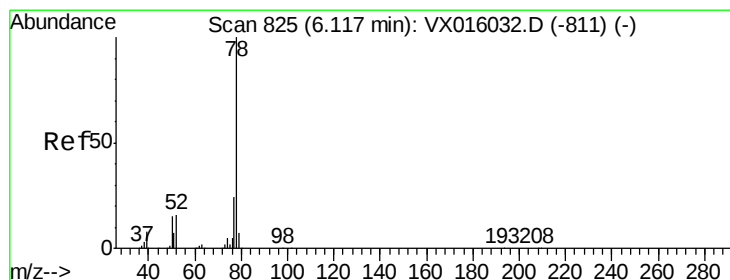
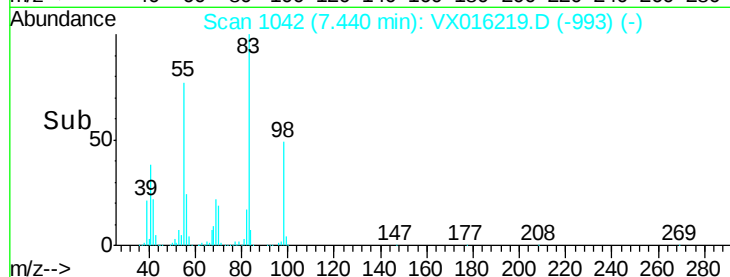
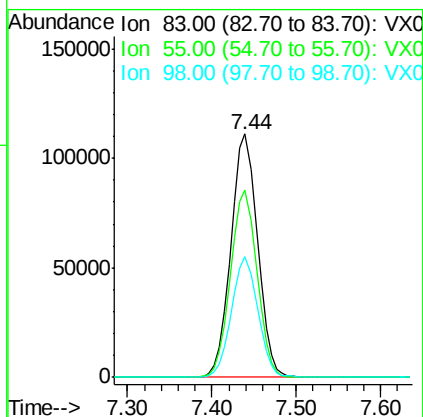
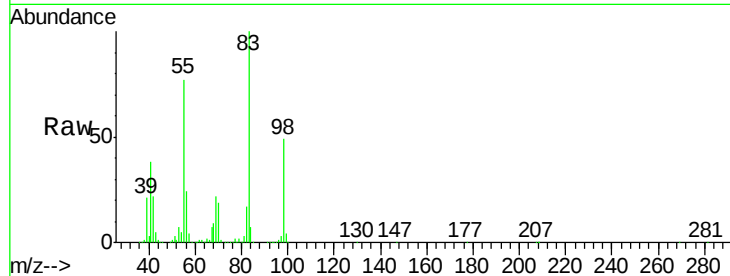




#39
Methylcyclohexane
Concen: 45.66 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

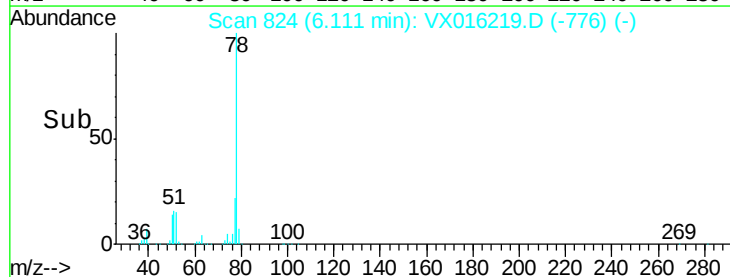
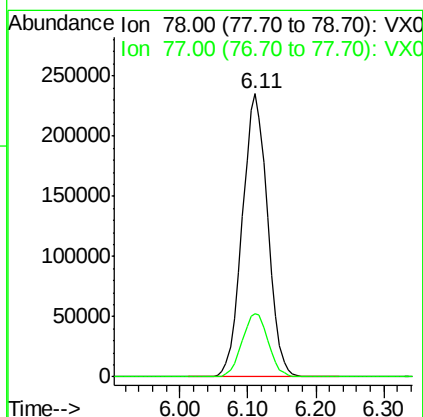
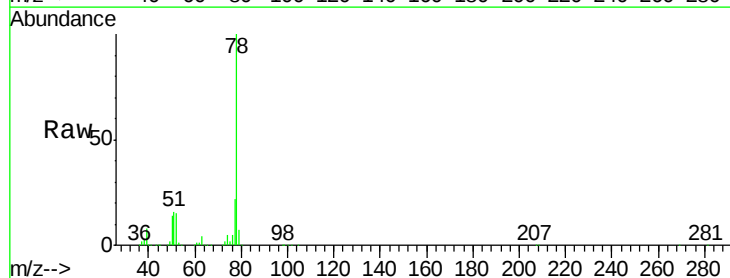
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.1	91.7
98	49.4	39.0	58.4



#40
Benzene
Concen: 48.15 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4

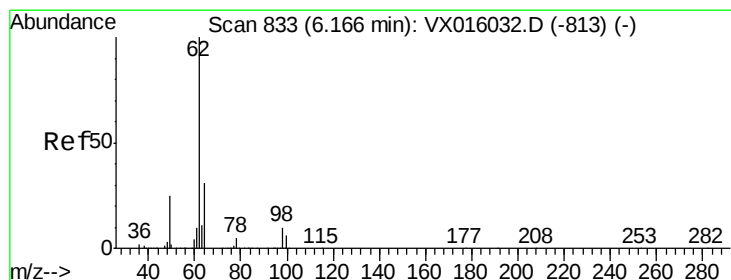
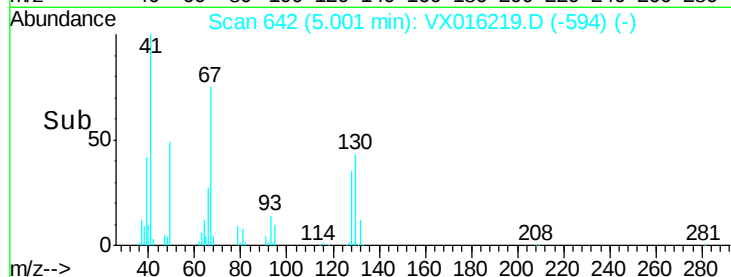
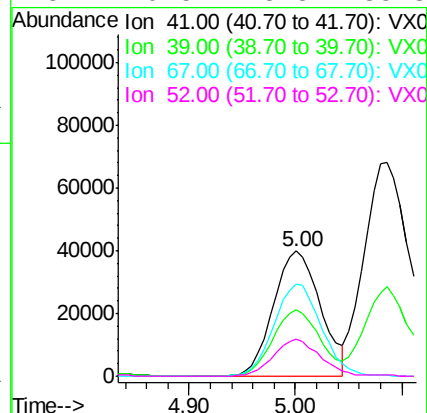
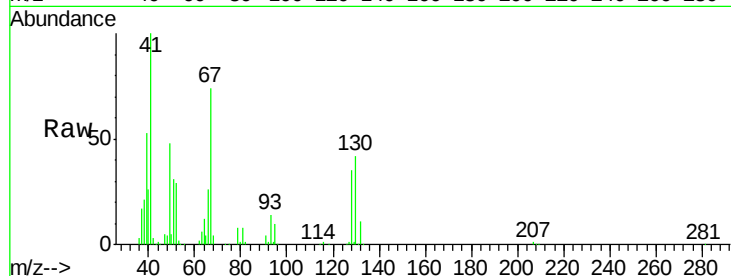




#41
Methacrylonitrile
Concen: 45.39 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

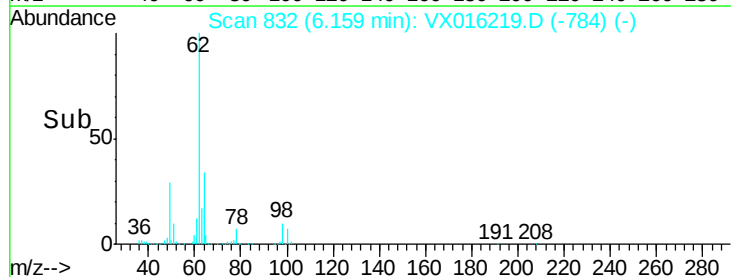
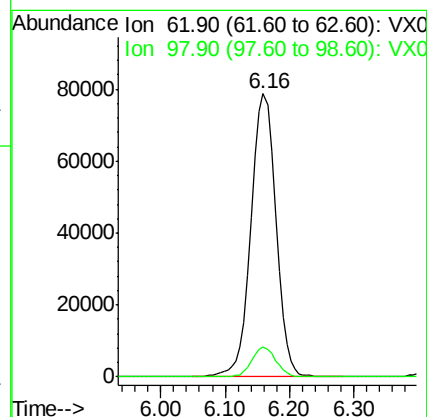
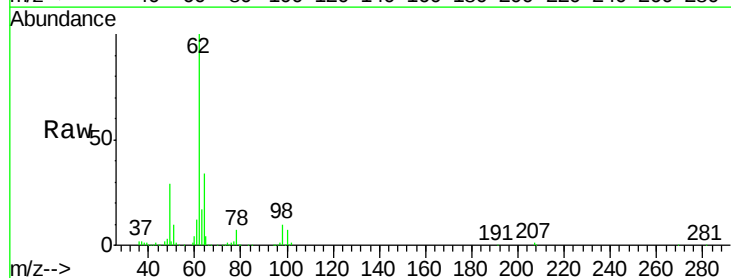
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

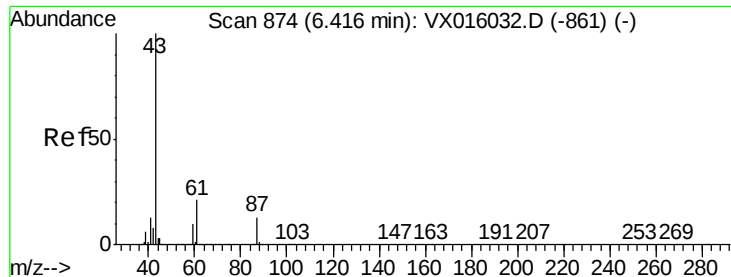
Tgt Ion:	41	Resp:	122346
Ion	Ratio	Lower	Upper
41	100		
39	53.4	43.2	64.8
67	74.2	59.3	88.9
52	29.5	23.5	35.3



#42
1,2-Dichloroethane
Concen: 46.20 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion:	62	Resp:	209704
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 45.07 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

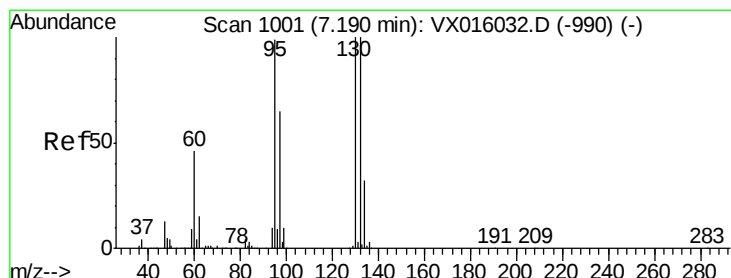
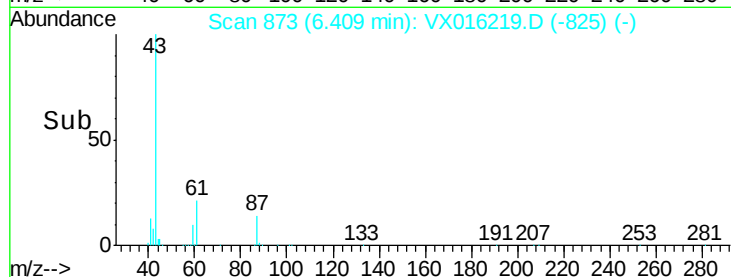
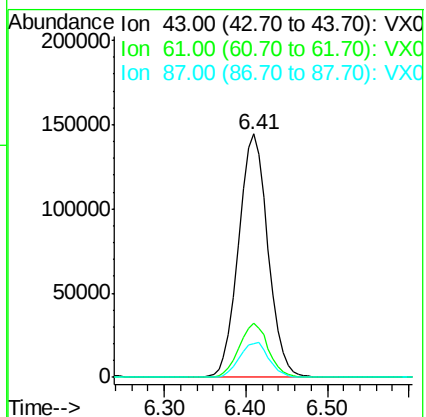
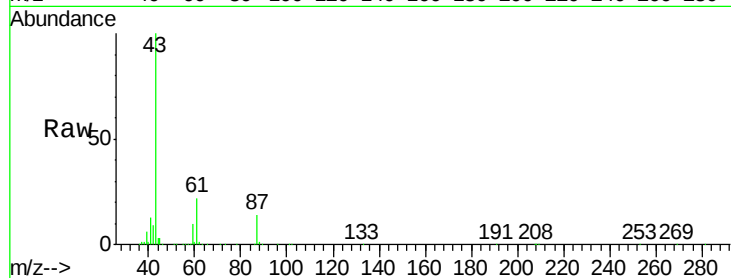
Tgt Ion: 43 Resp: 358920

Ion Ratio Lower Upper

43 100

61 22.1 17.0 25.4

87 14.5 11.0 16.6



#44

Trichloroethene

Concen: 45.42 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016219.D

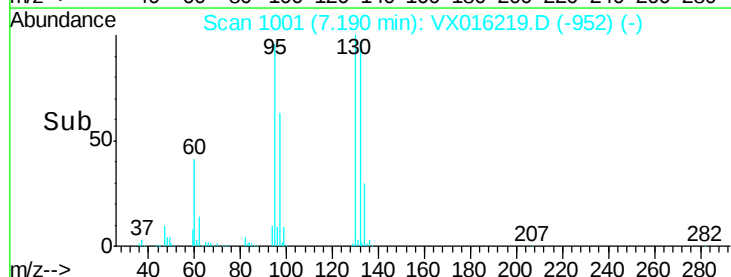
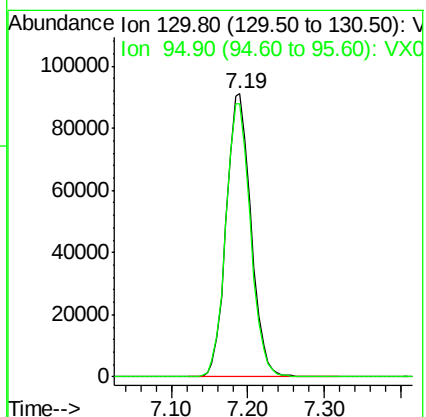
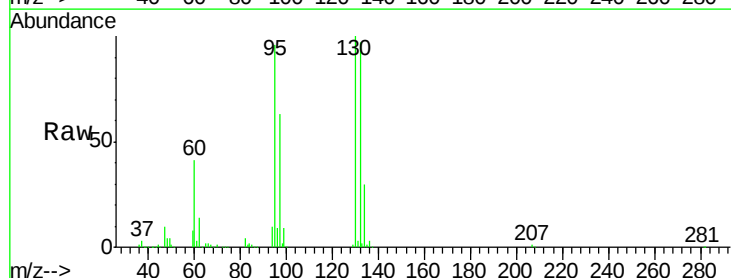
Acq: 14 May 2020 10:25

Tgt Ion: 130 Resp: 203332

Ion Ratio Lower Upper

130 100

95 96.4 0.0 197.4





#45

1,2-Dichloropropane

Concen: 49.02 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

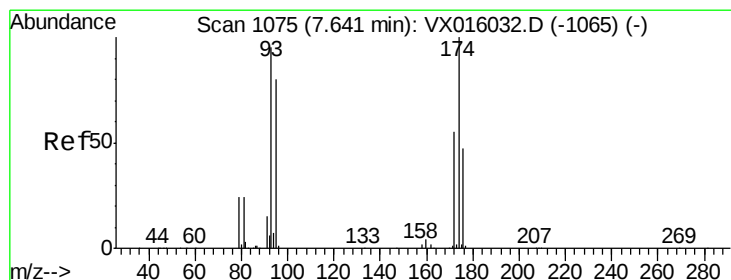
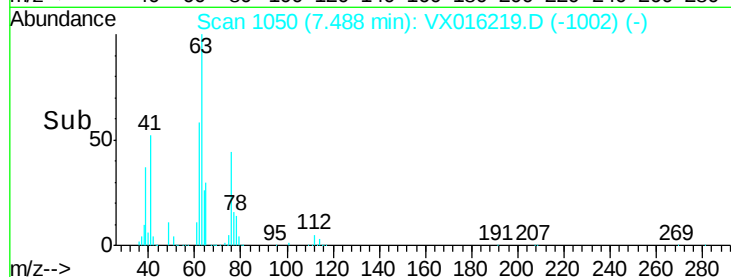
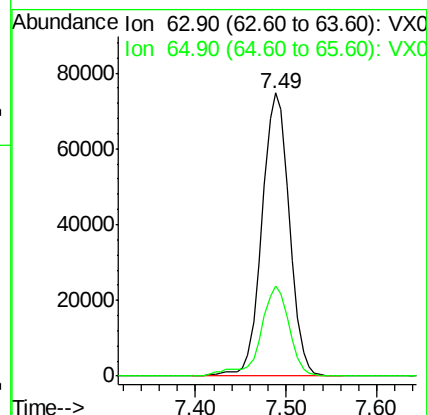
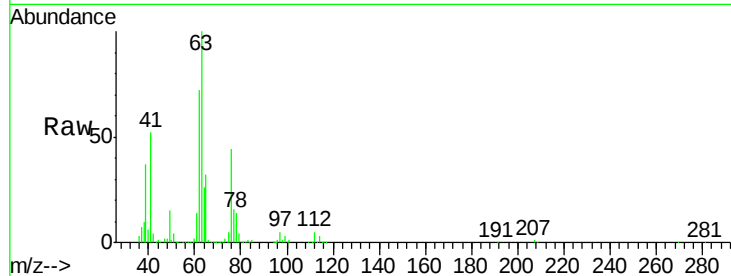
VSTDCCC050

Tgt Ion: 63 Resp: 156305

Ion Ratio Lower Upper

63 100

65 31.9 24.4 36.6



#46

Dibromomethane

Concen: 47.41 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

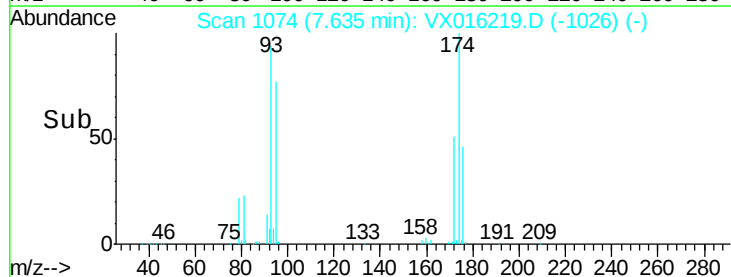
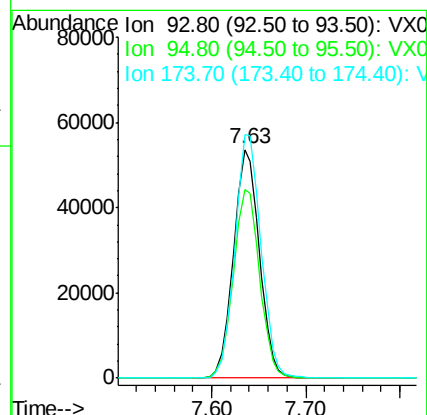
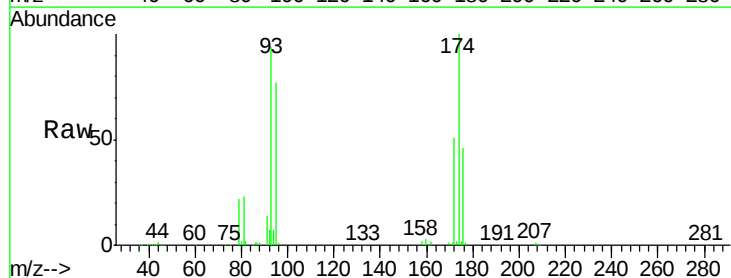
Tgt Ion: 93 Resp: 102720

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 107.5 84.2 126.4





#47

Bromodichloromethane

Concen: 49.10 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

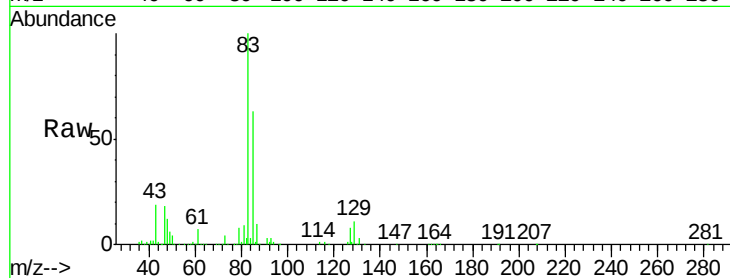
Tgt Ion: 83 Resp: 216672

Ion Ratio Lower Upper

83 100

85 63.1 50.5 75.7

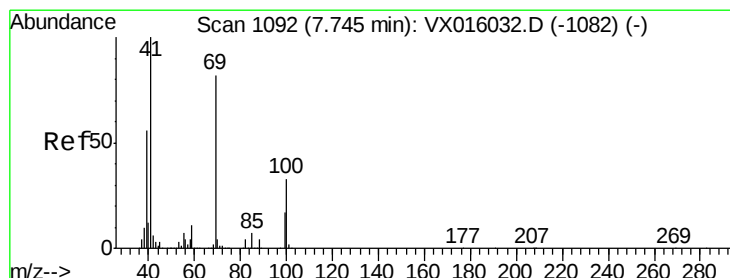
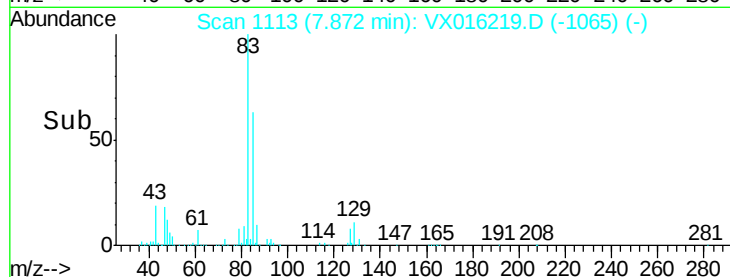
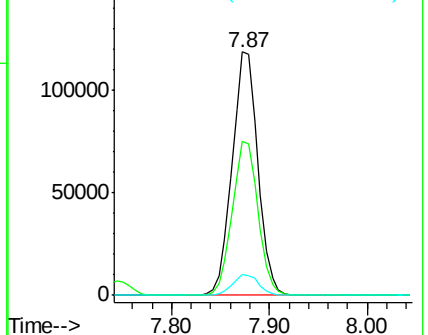
127 8.4 6.7 10.1



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: 45.30 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

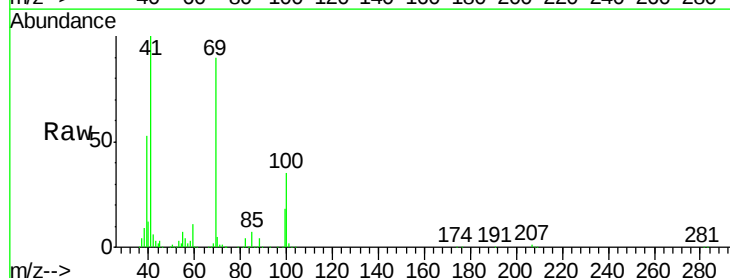
Tgt Ion: 41 Resp: 170957

Ion Ratio Lower Upper

41 100

69 88.7 67.8 101.6

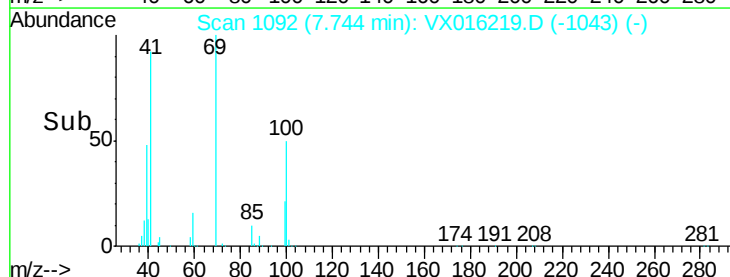
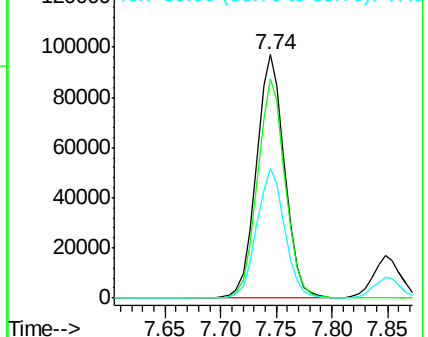
39 52.8 44.6 67.0

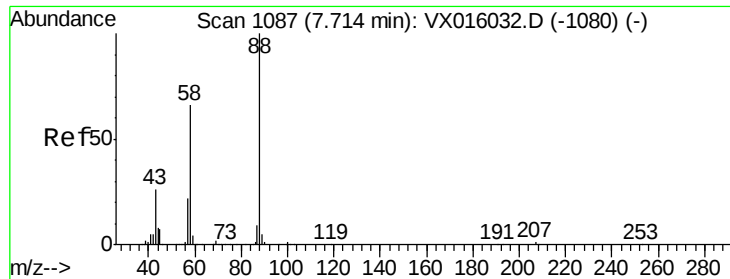


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 863.16 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

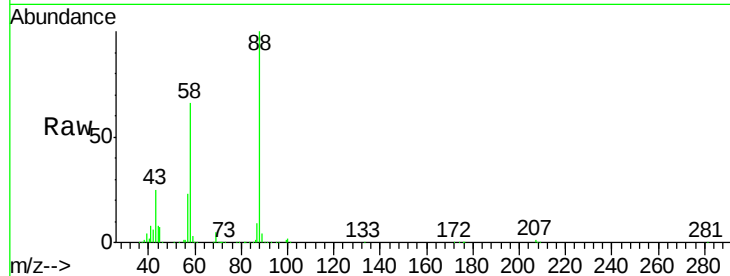
Tgt Ion: 88 Resp: 78119

Ion Ratio Lower Upper

88 100

43 30.1 25.3 37.9

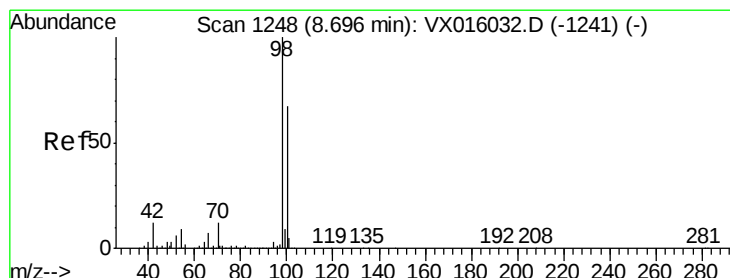
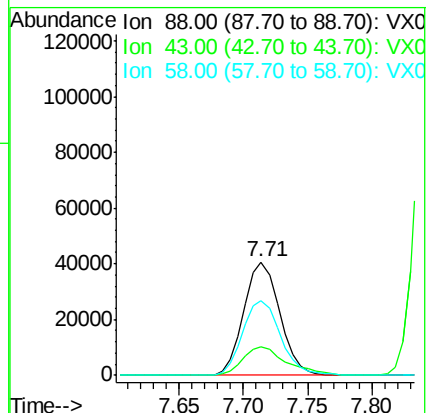
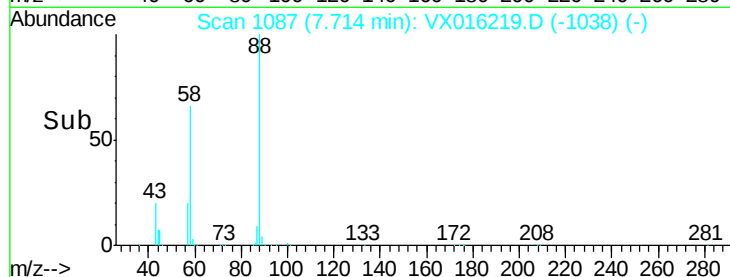
58 70.2 55.9 83.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.70 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016219.D

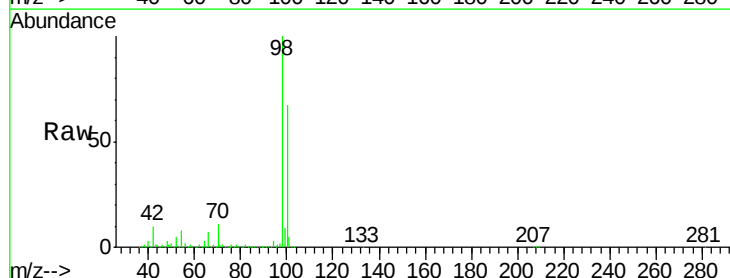
Acq: 14 May 2020 10:25

Tgt Ion: 98 Resp: 509428

Ion Ratio Lower Upper

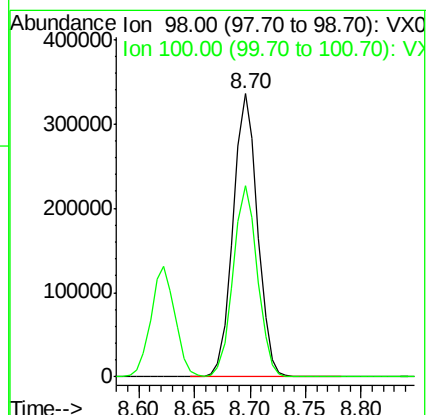
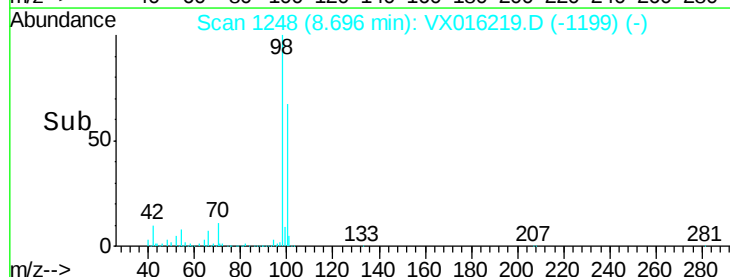
98 100

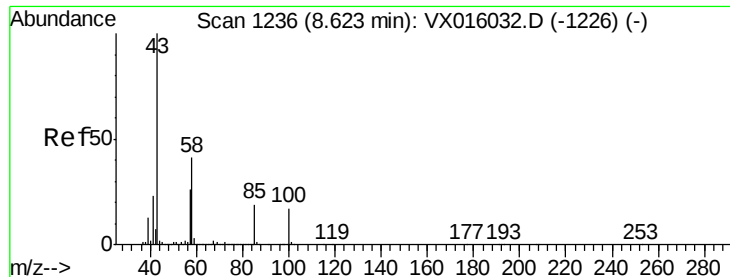
100 67.1 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

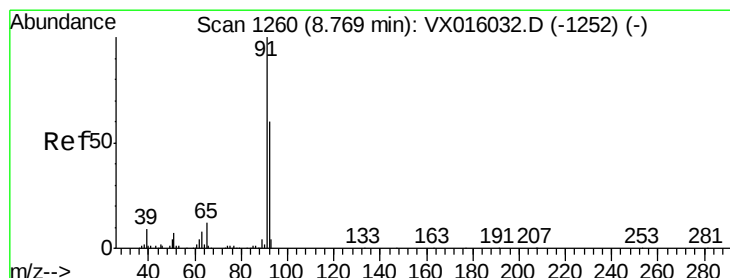
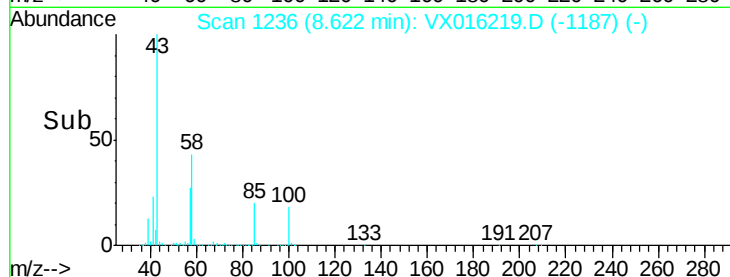
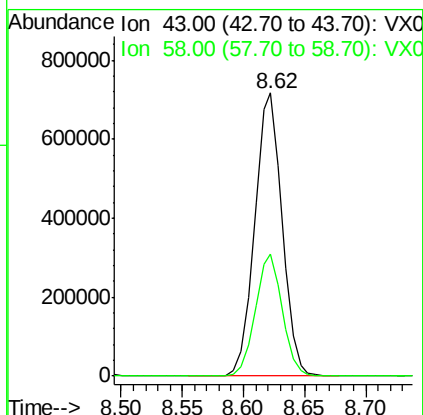
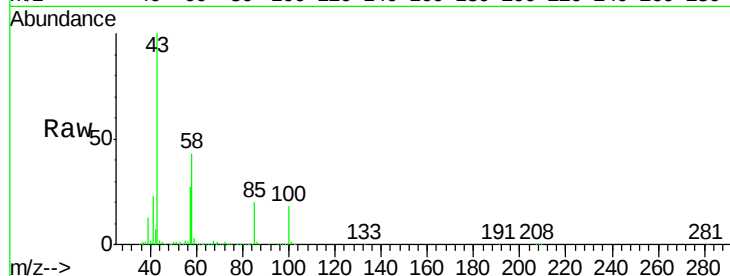




#51
 4-Methyl-2-Pentanone
 Concen: 230.02 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

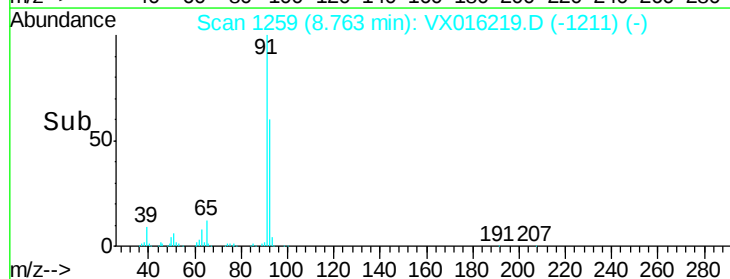
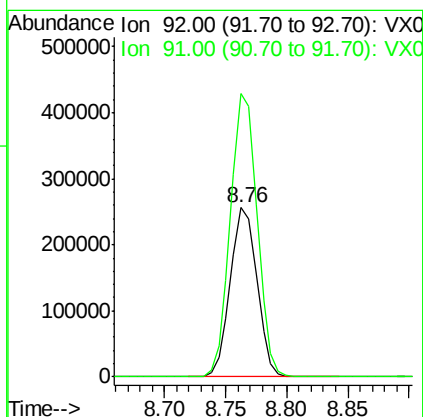
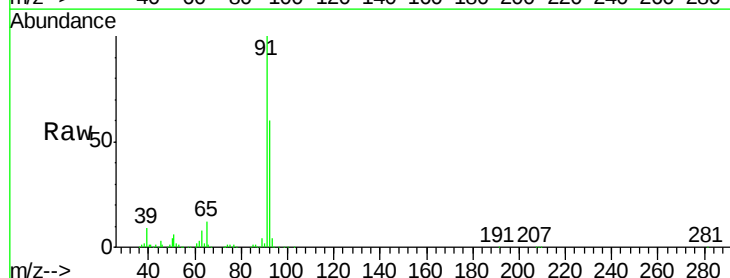
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

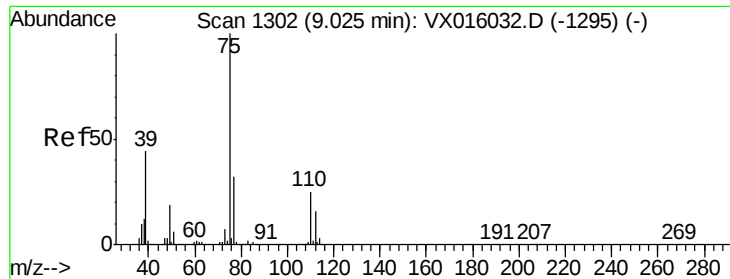
Tgt Ion: 43 Resp: 1120956
 Ion Ratio Lower Upper
 43 100
 58 42.2 33.0 49.4



#52
 Toluene
 Concen: 49.31 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

Tgt Ion: 92 Resp: 387307
 Ion Ratio Lower Upper
 92 100
 91 168.0 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 48.29 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

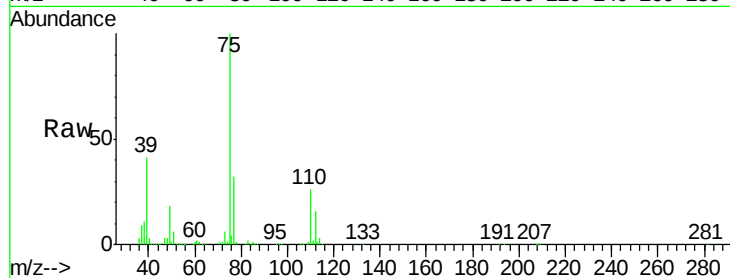
VSTDCCC050

Tgt Ion: 75 Resp: 254078

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

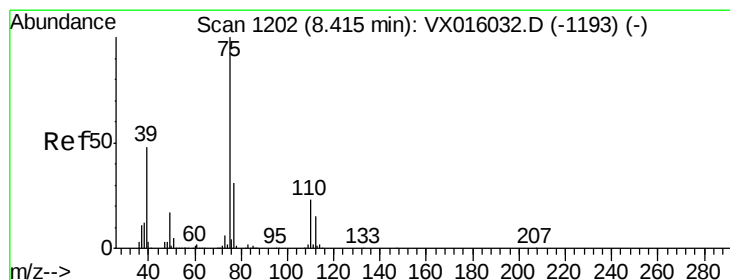
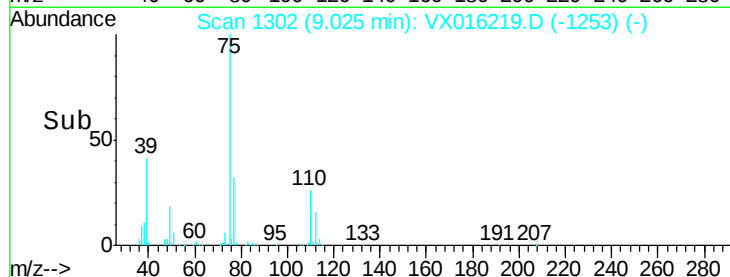
150000

100000

50000

0

Time--> 8.90 9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 48.76 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

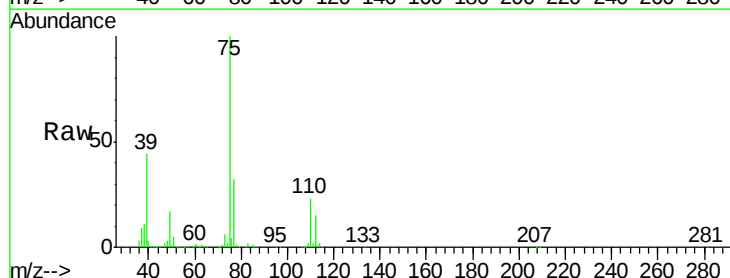
Tgt Ion: 75 Resp: 267956

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1

39 43.8 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

200000

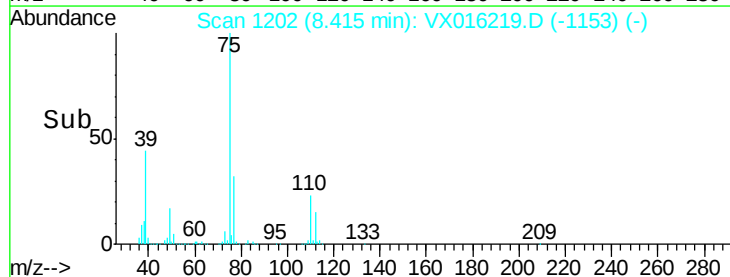
150000

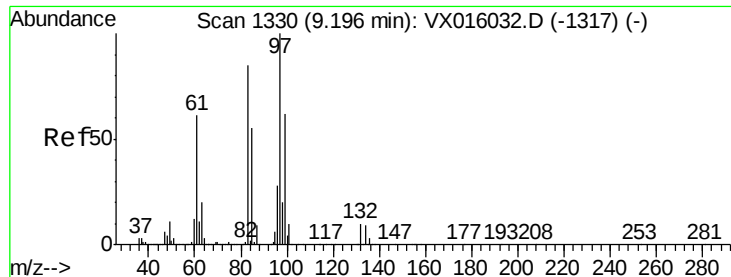
100000

50000

0

Time--> 8.30 8.40 8.50

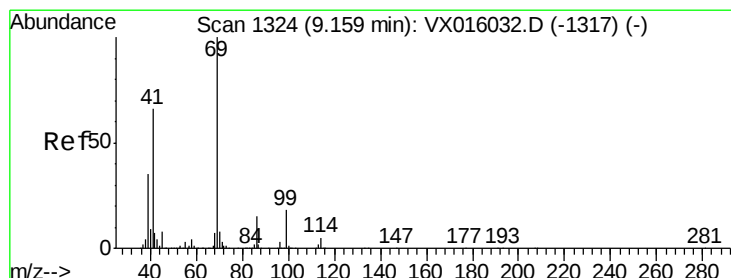
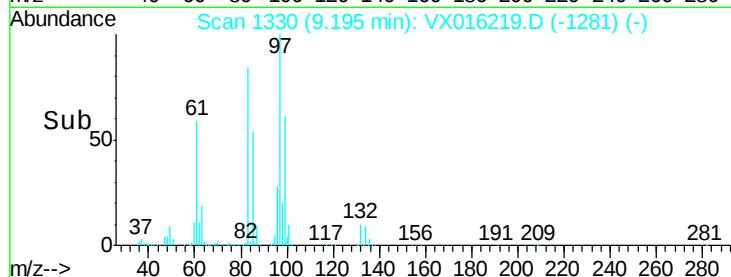
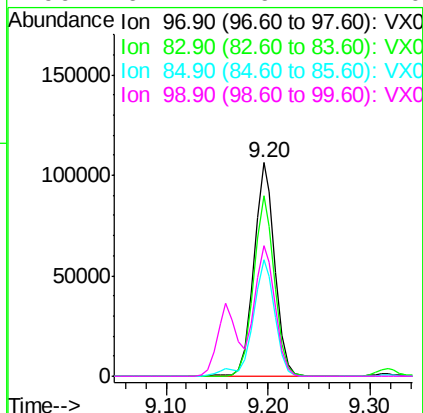
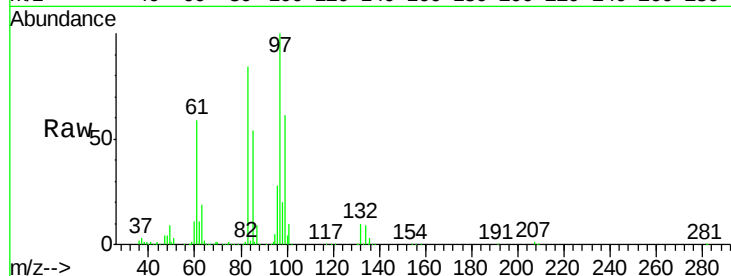




#55
 1,1,2-Trichloroethane
 Concen: 49.60 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

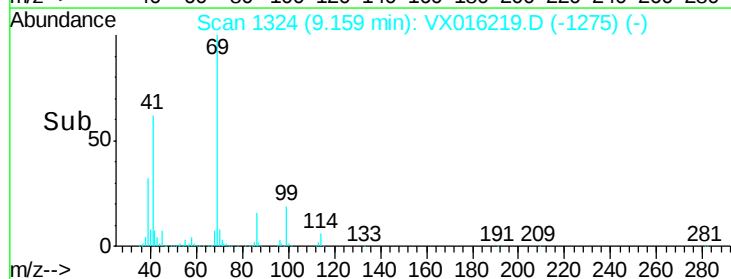
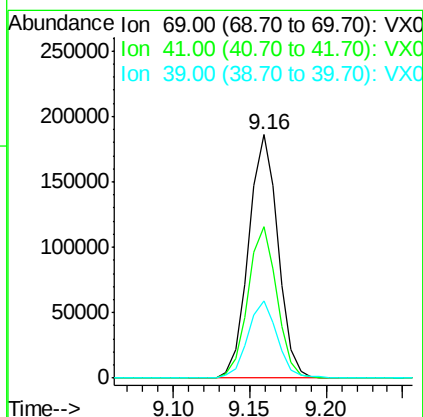
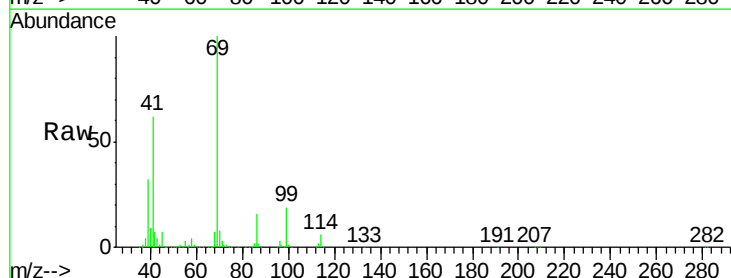
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

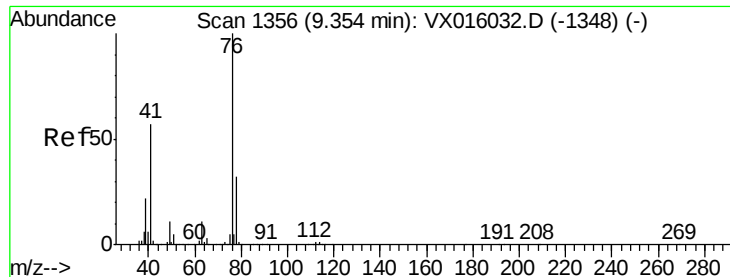
Tgt Ion:	97	Resp:	153282
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.8	101.8
85	54.4	43.8	65.8
99	61.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 49.24 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

Tgt Ion:	69	Resp:	248358
Ion	Ratio	Lower	Upper
69	100		
41	61.4	52.2	78.4
39	31.9	28.2	42.4





#57

1,3-Dichloropropane

Concen: 48.95 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

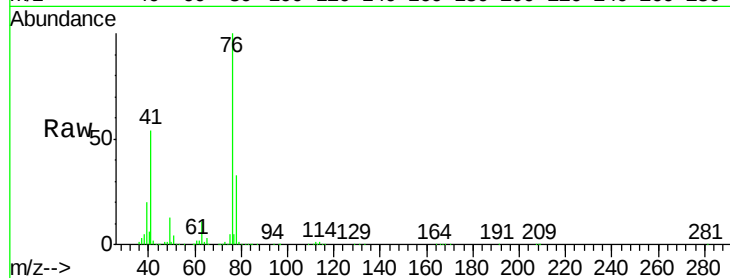
VSTDCCC050

Tgt Ion: 76 Resp: 263928

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

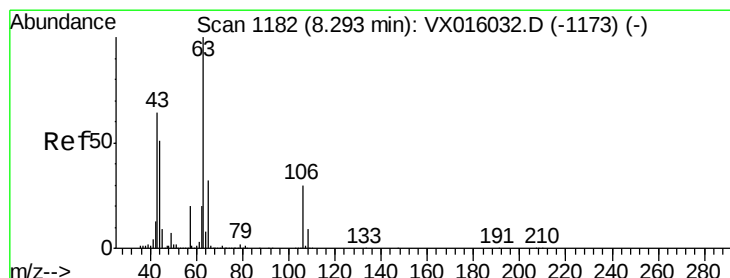
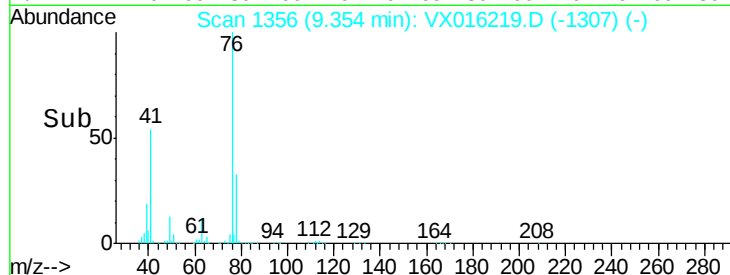
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.76 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX016219.D

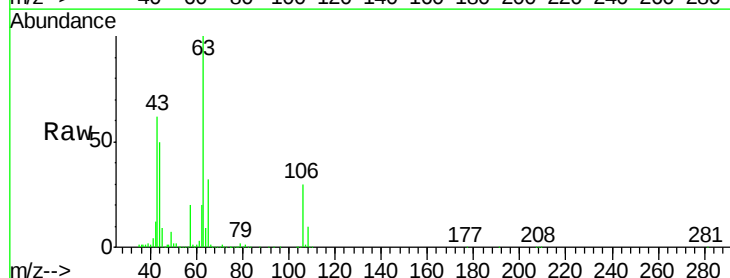
Acq: 14 May 2020 10:25

Tgt Ion: 63 Resp: 657239

Ion Ratio Lower Upper

63 100

106 29.5 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

500000

400000

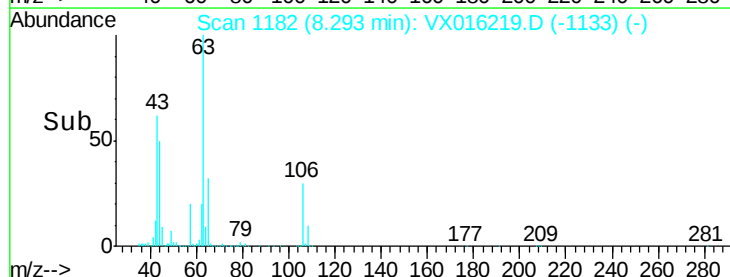
300000

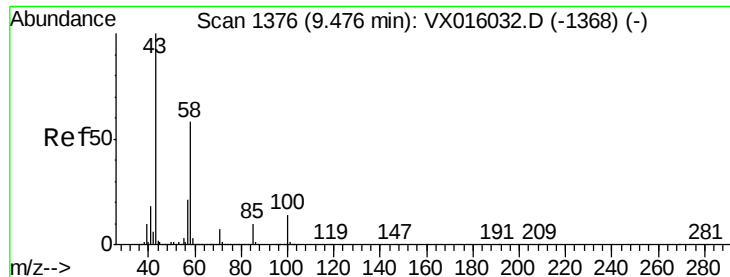
200000

100000

0

Time-->

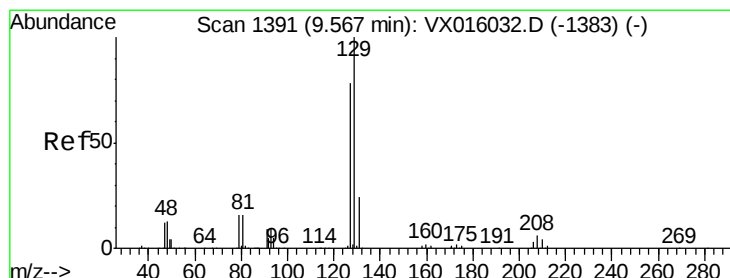
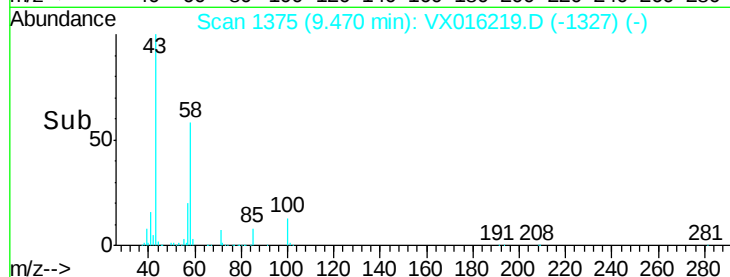
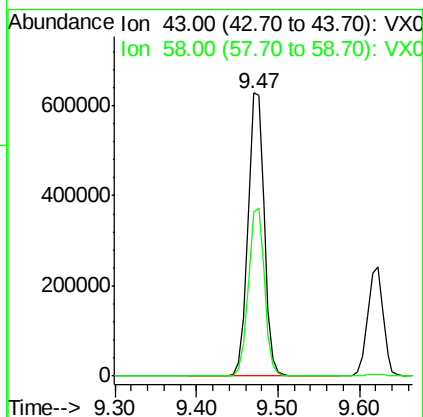
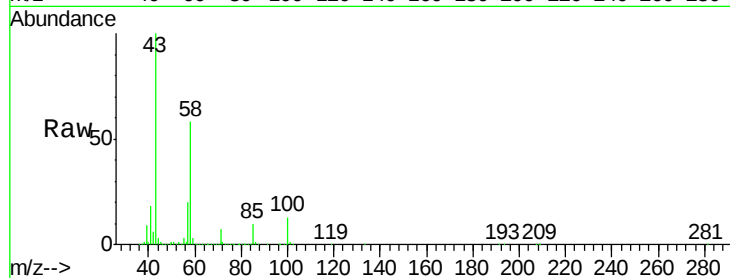




#59
2-Hexanone
Concen: 226.24 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

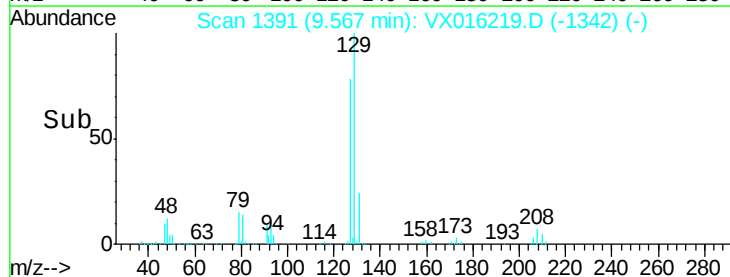
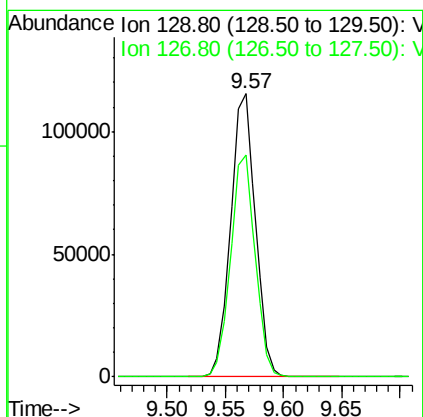
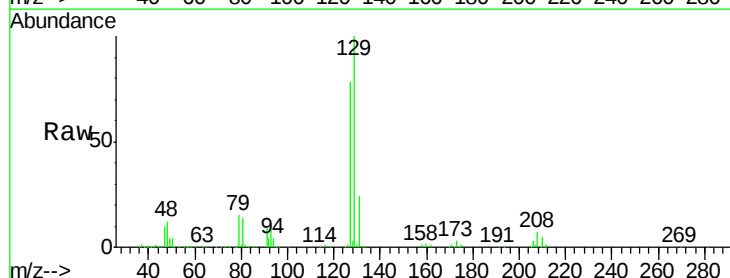
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

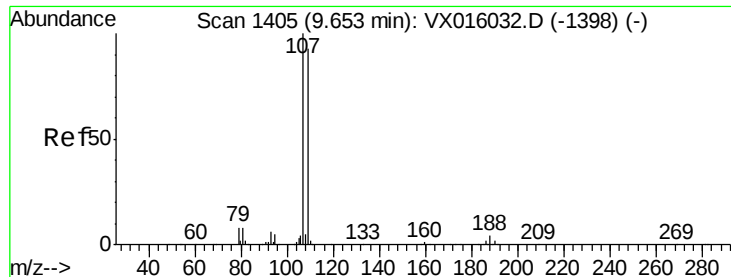
Tgt Ion: 43 Resp: 865871
Ion Ratio Lower Upper
43 100
58 59.0 28.6 85.9



#60
Dibromochloromethane
Concen: 50.34 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 129 Resp: 171309
Ion Ratio Lower Upper
129 100
127 77.8 38.4 115.2





#61

1,2-Dibromoethane

Concen: 48.38 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

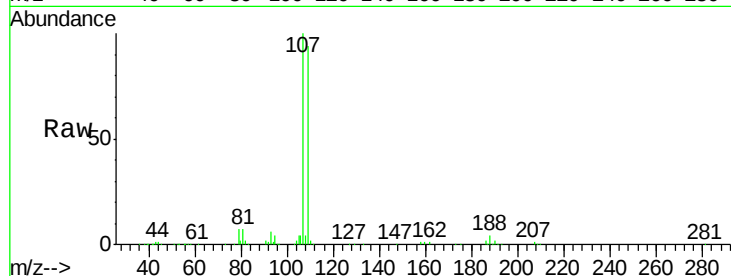
VSTDCCC050

Tgt Ion: 107 Resp: 161920

Ion Ratio Lower Upper

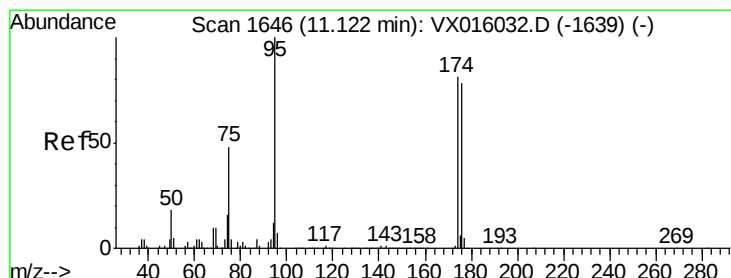
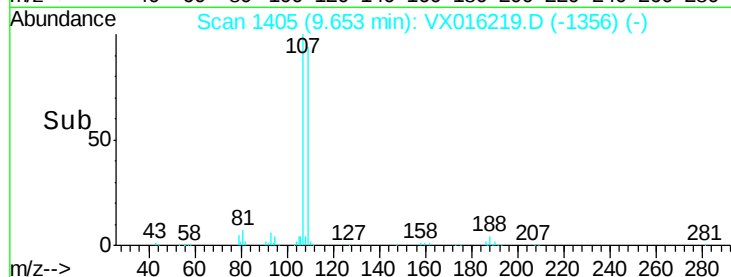
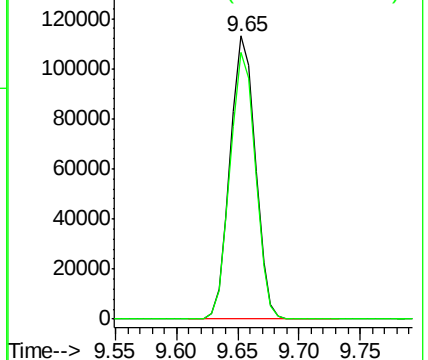
107 100

109 94.5 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.92 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

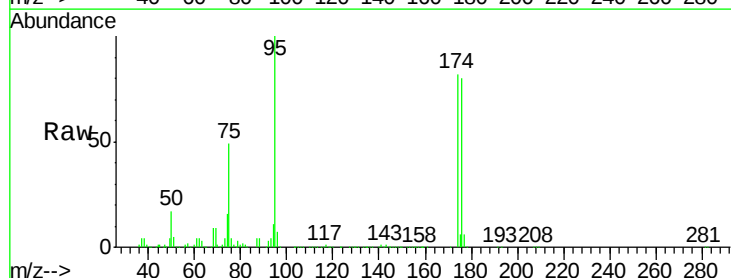
Tgt Ion: 95 Resp: 198718

Ion Ratio Lower Upper

95 100

174 81.4 0.0 159.4

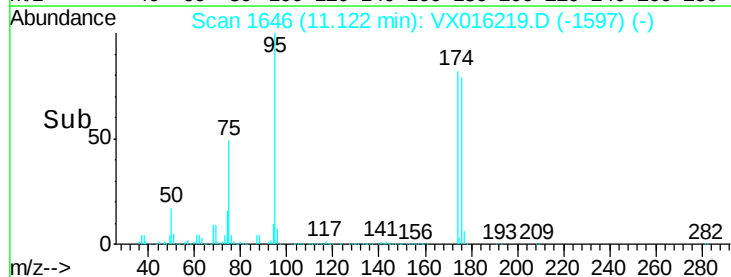
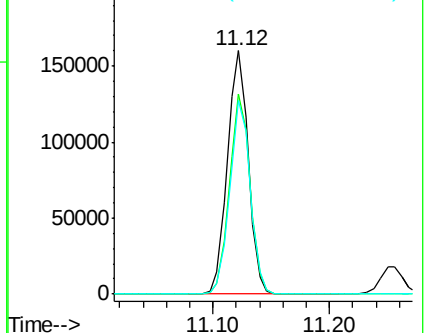
176 78.5 0.0 157.6

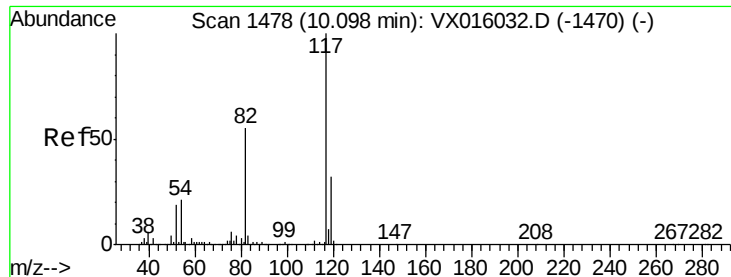


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

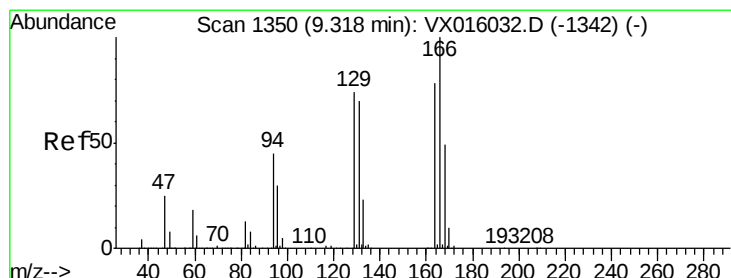
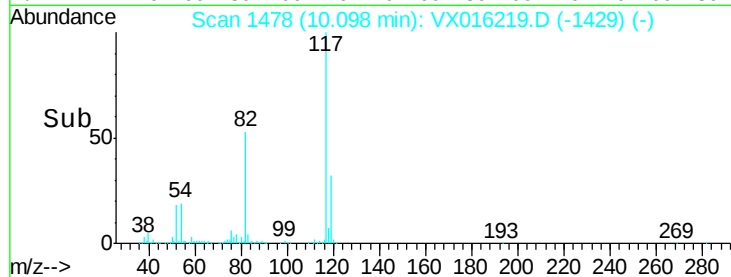
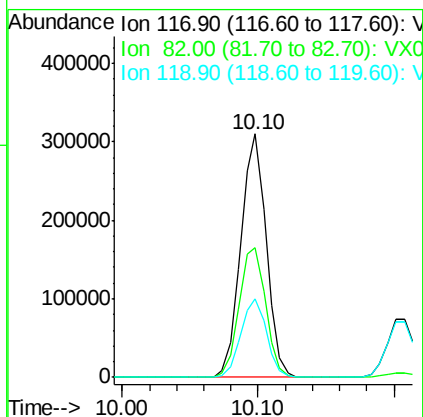
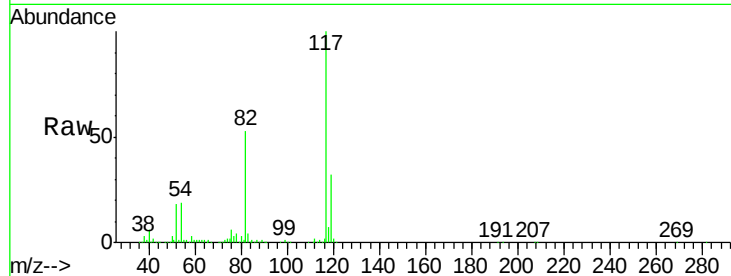




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

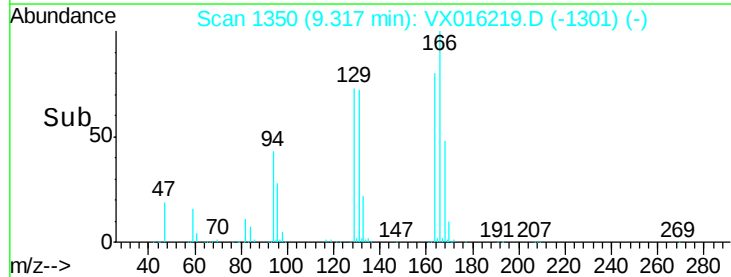
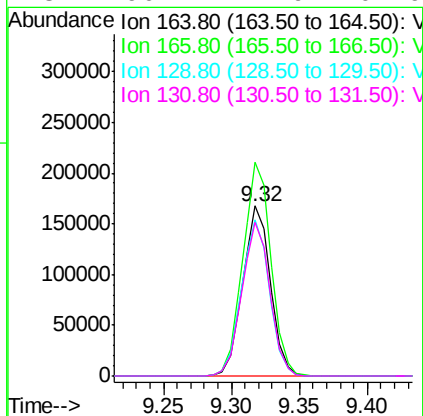
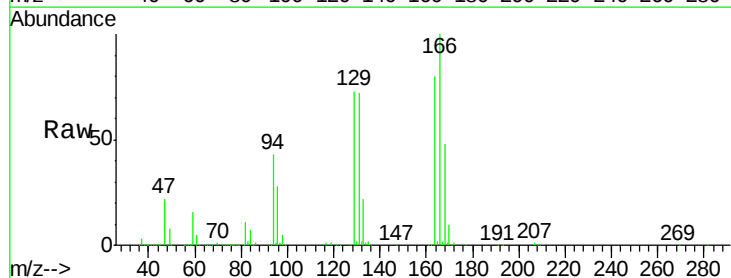
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

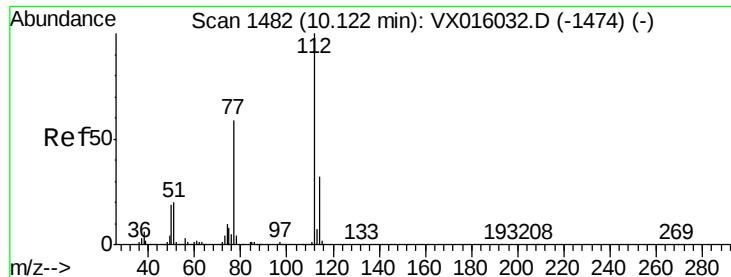
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.4	66.6
119	32.1	25.5	38.3



#64
Tetrachloroethene
Concen: 48.22 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	102.9	154.3
129	92.0	76.1	114.1
131	90.4	71.9	107.9





#65

Chlorobenzene

Concen: 48.74 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

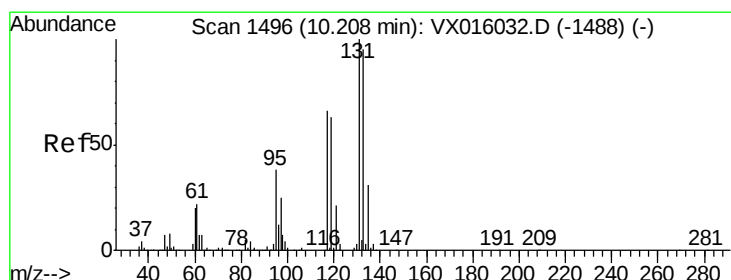
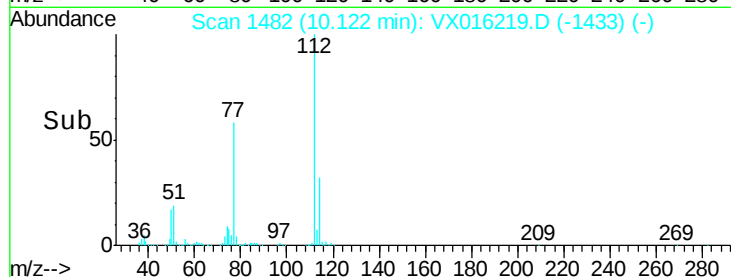
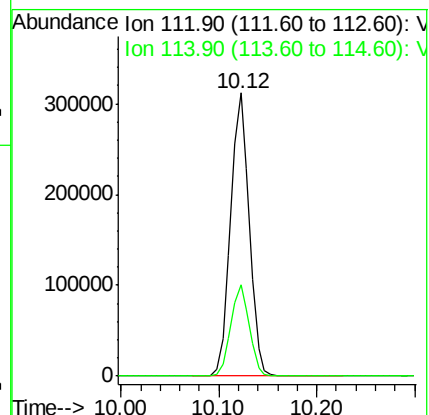
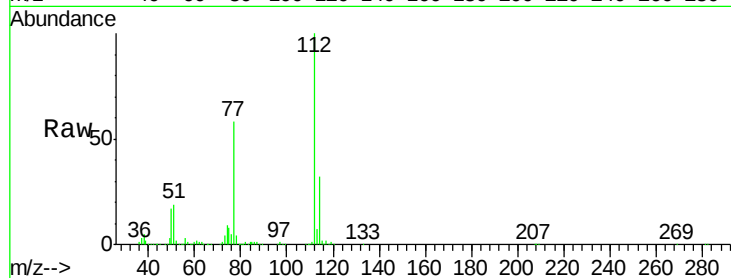
VSTDCCC050

Tgt Ion:112 Resp: 411446

Ion Ratio Lower Upper

112 100

114 32.5 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 50.58 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

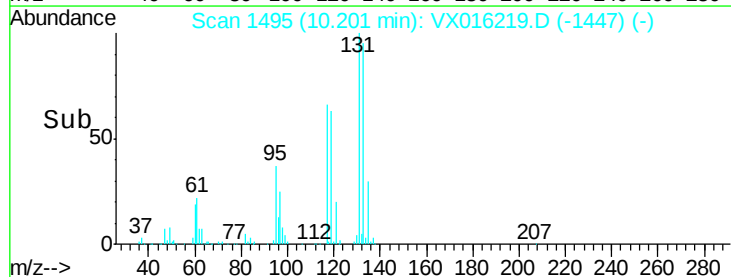
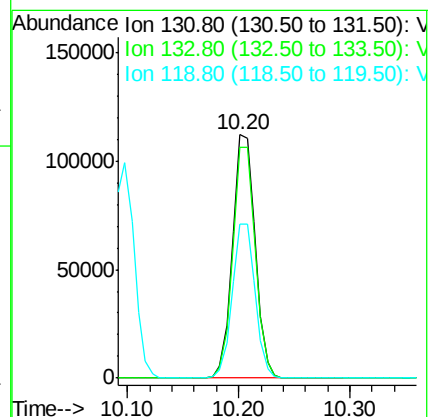
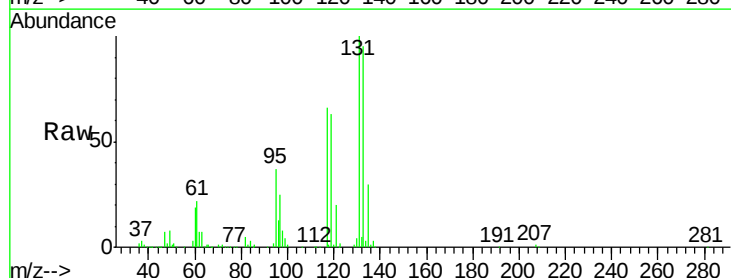
Tgt Ion:131 Resp: 157821

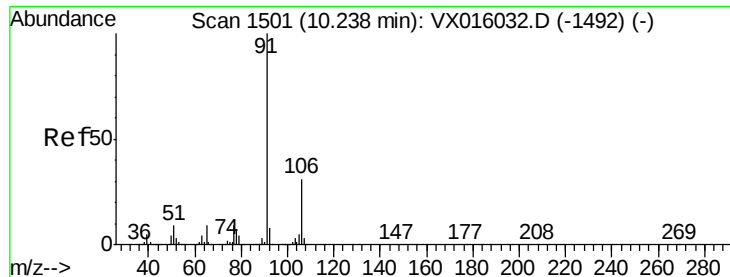
Ion Ratio Lower Upper

131 100

133 94.9 48.3 144.8

119 63.7 32.3 96.9

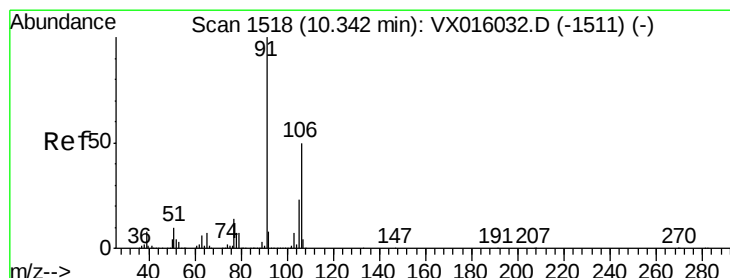
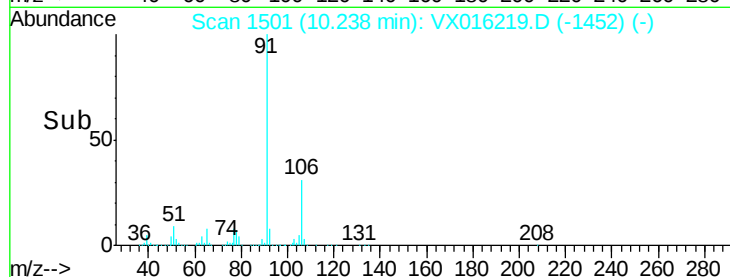
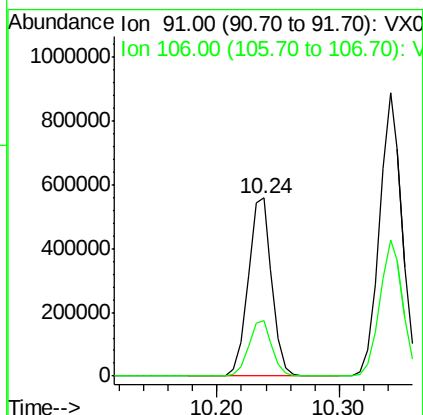
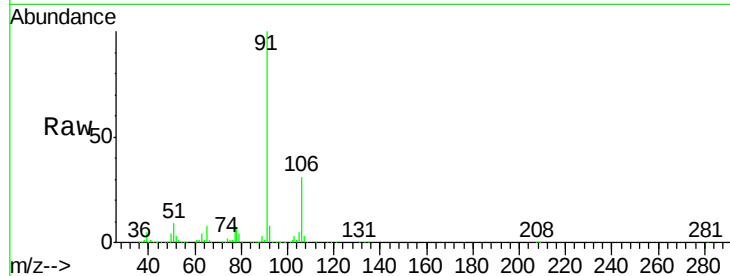




#67
Ethyl Benzene
Concen: 49.47 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

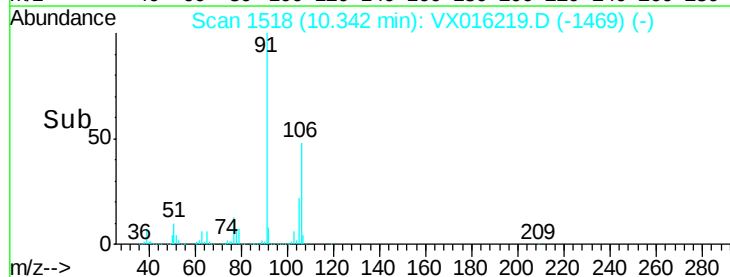
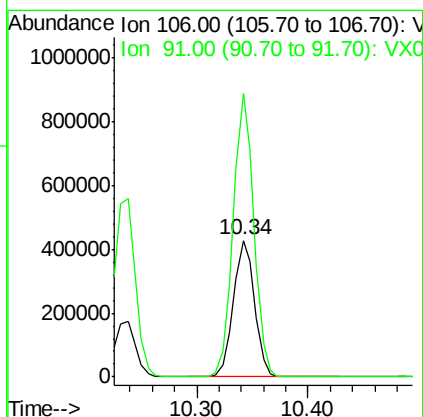
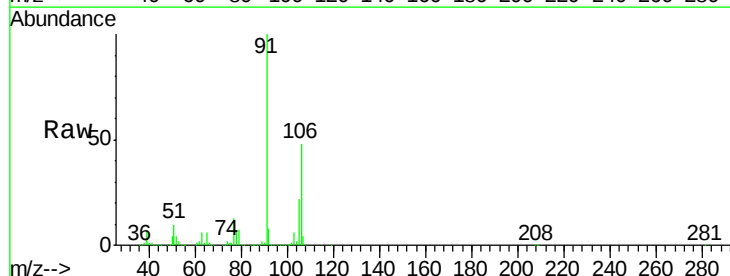
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

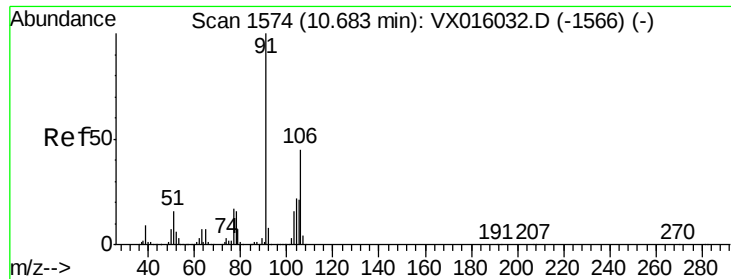
Tgt Ion: 91 Resp: 745153
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



#68
m/p-Xylenes
Concen: 99.23 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 106 Resp: 559974
Ion Ratio Lower Upper
106 100
91 203.0 161.7 242.5

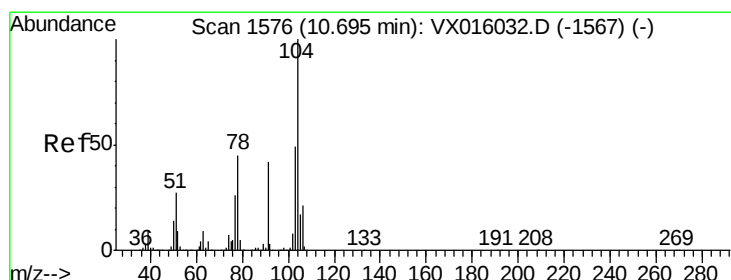
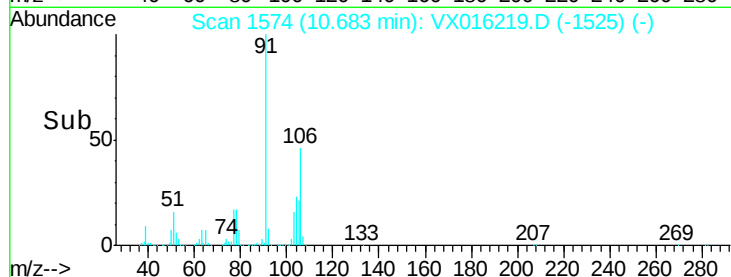
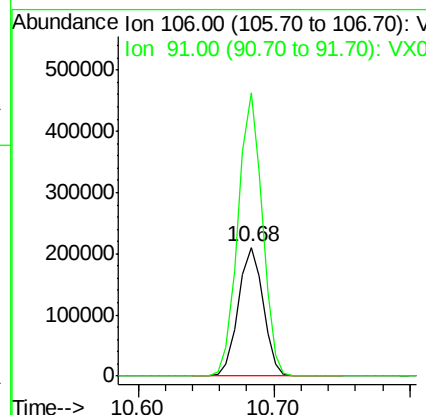
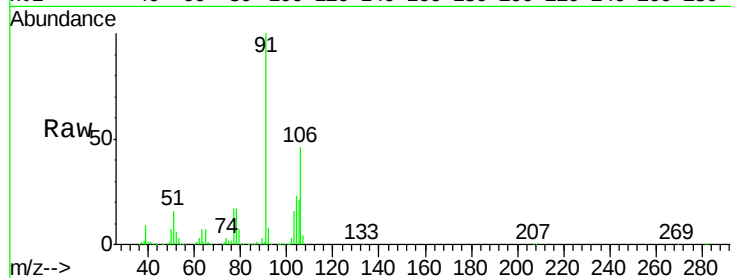




#69
o-Xylene
Concen: 49.46 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

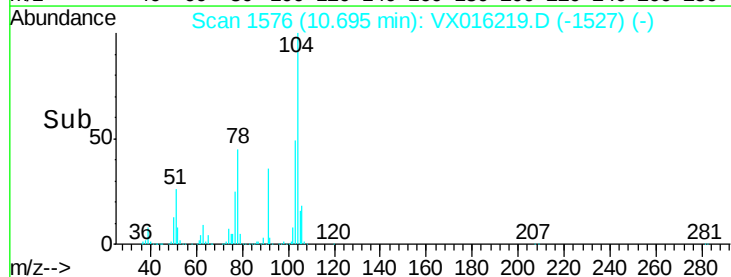
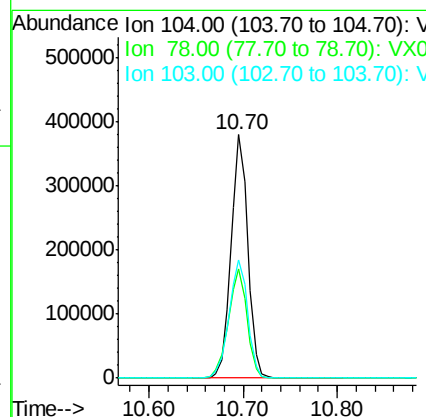
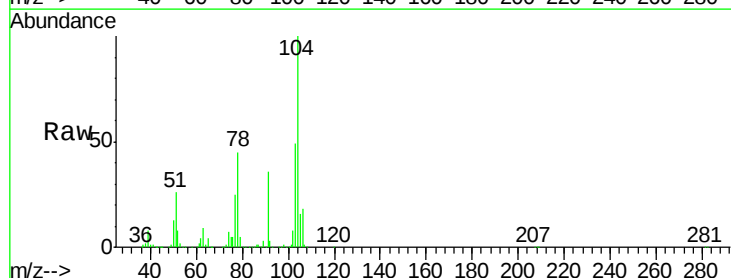
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

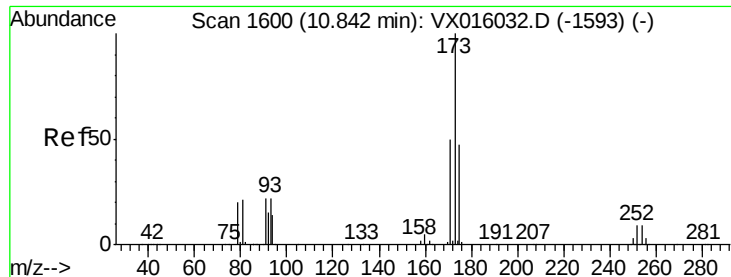
Tgt Ion:106 Resp: 268315
Ion Ratio Lower Upper
106 100
91 214.5 107.5 322.6



#70
Styrene
Concen: 50.97 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion:104 Resp: 469103
Ion Ratio Lower Upper
104 100
78 49.7 40.2 60.2
103 53.7 43.0 64.6





#71

Bromoform

Concen: 51.57 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

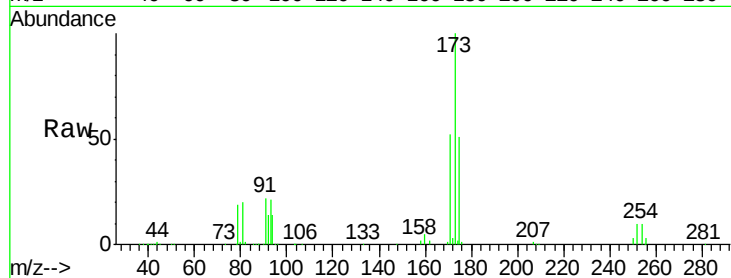
Tgt Ion:173 Resp: 131096

Ion Ratio Lower Upper

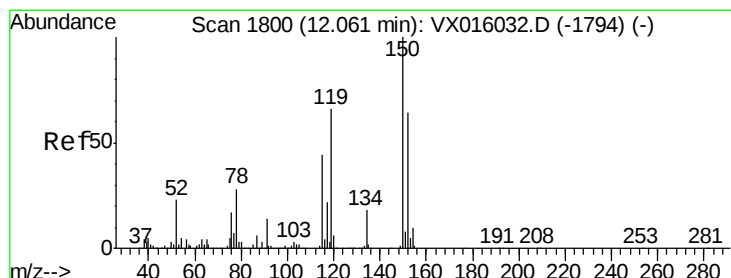
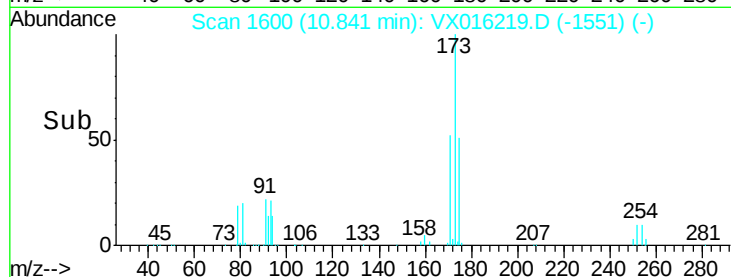
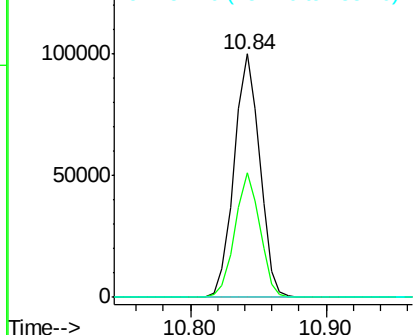
173 100

175 49.9 24.0 72.0

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

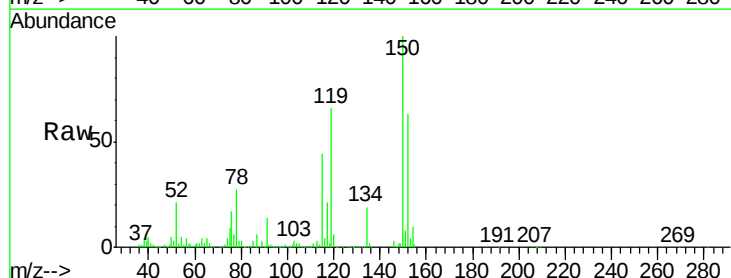
Tgt Ion:152 Resp: 210928

Ion Ratio Lower Upper

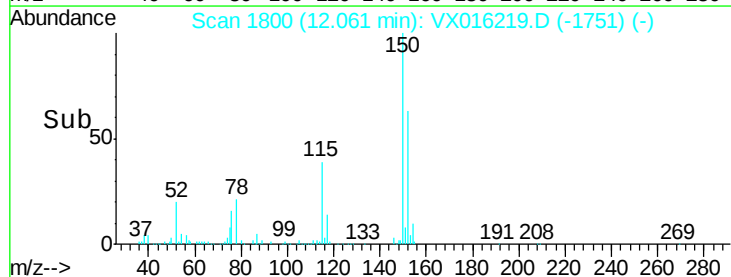
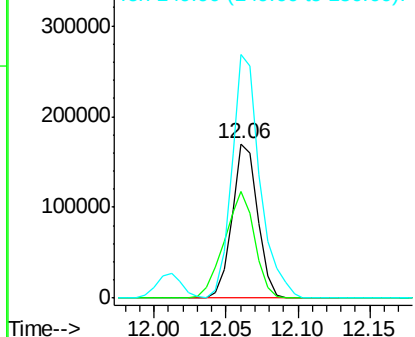
152 100

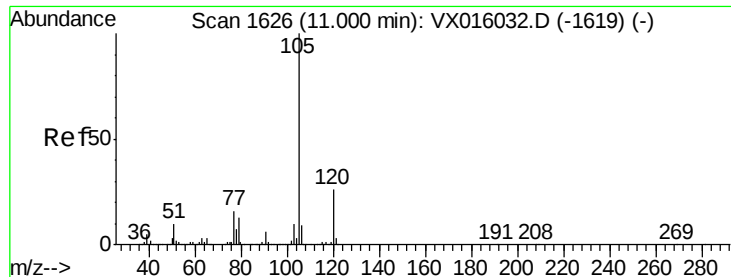
115 82.2 41.3 124.1

150 173.4 0.0 352.2



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





#73

Isopropylbenzene

Concen: 47.04 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

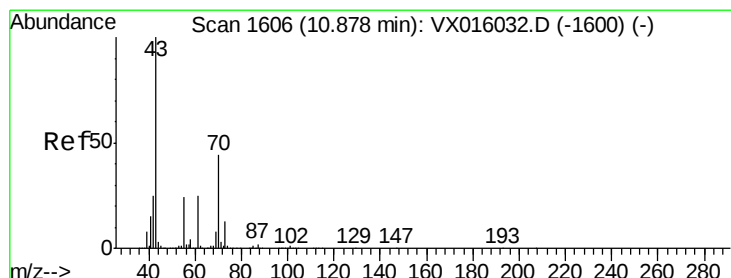
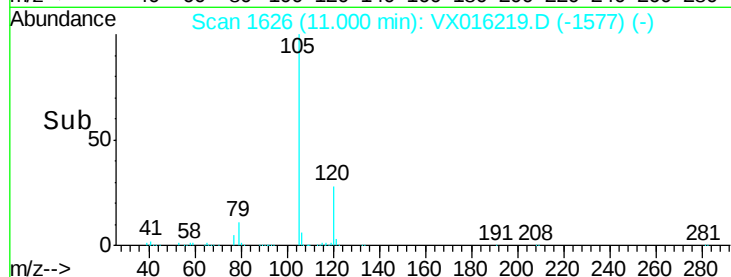
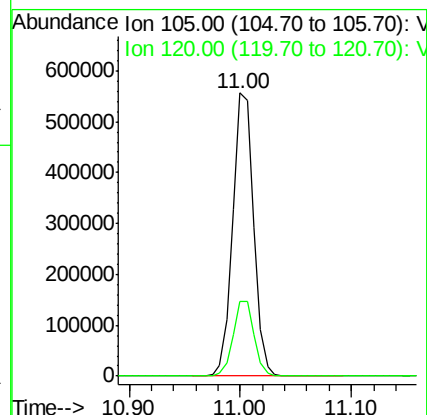
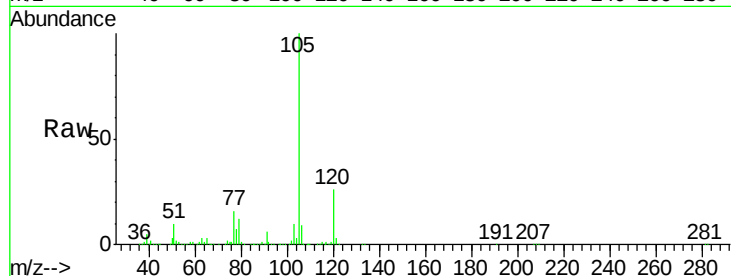
VSTDCCC050

Tgt Ion: 105 Resp: 721640

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2



#74

N-ethyl acetate

Concen: 43.46 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Tgt Ion: 43 Resp: 311015

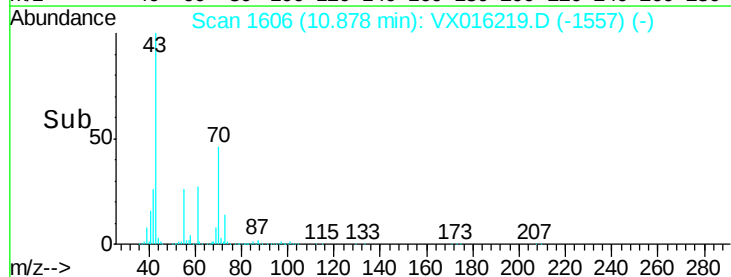
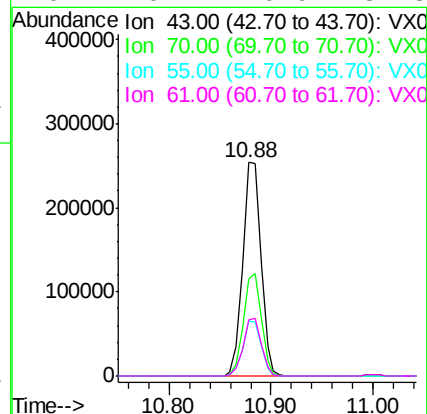
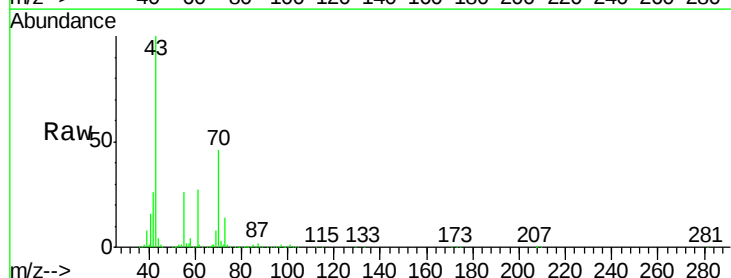
Ion Ratio Lower Upper

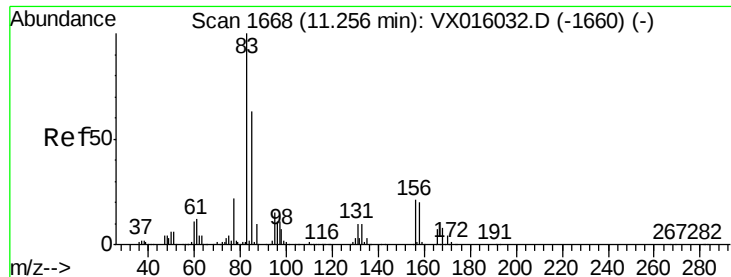
43 100

70 46.7 36.5 54.7

55 25.7 19.7 29.5

61 26.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.28 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

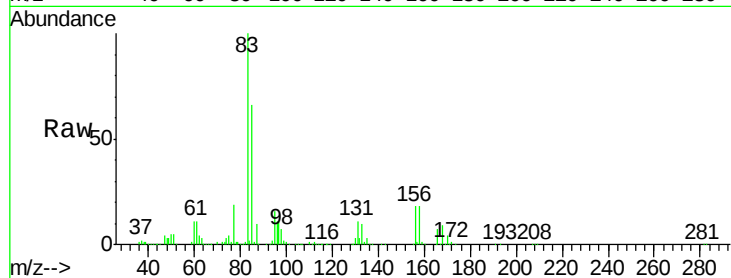
Tgt Ion: 83 Resp: 154963

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

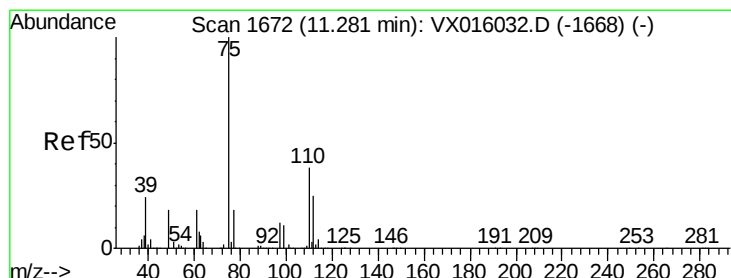
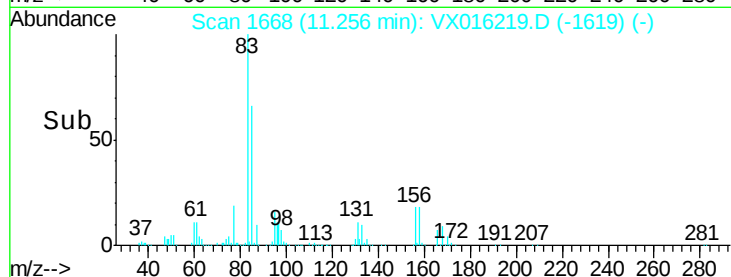
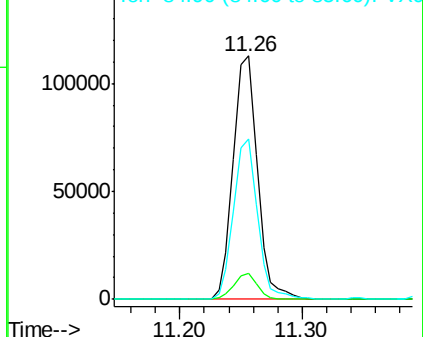
85 65.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.26 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX016219.D

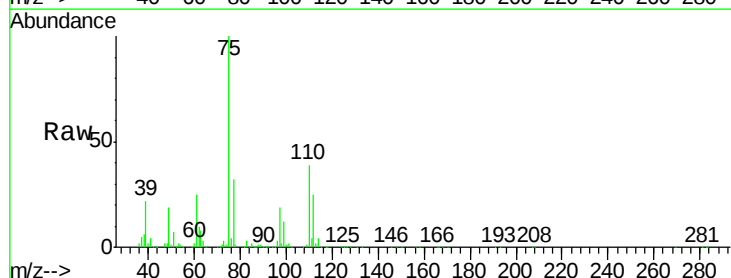
Acq: 14 May 2020 10:25

Tgt Ion: 75 Resp: 298026

Ion Ratio Lower Upper

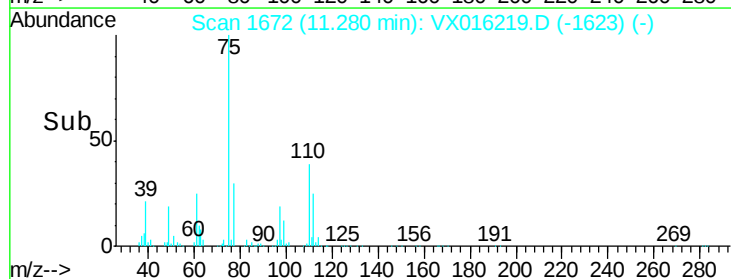
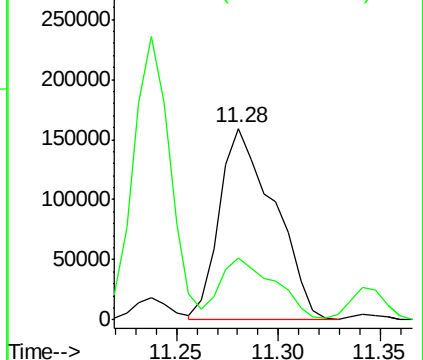
75 100

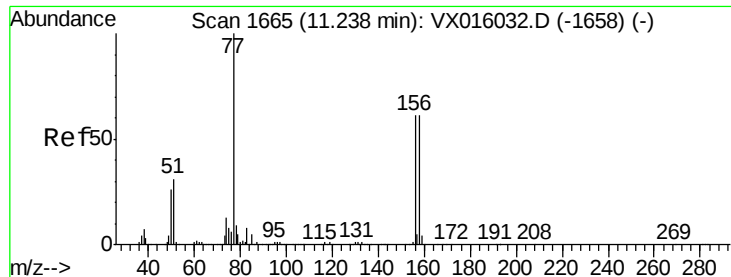
77 32.1 21.2 63.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 45.96 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

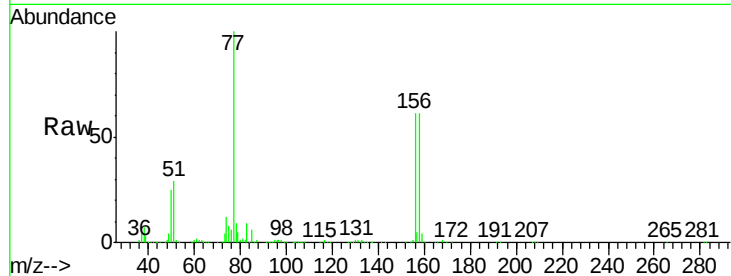
Tgt Ion:156 Resp: 182015

Ion Ratio Lower Upper

156 100

77 161.9 80.1 240.3

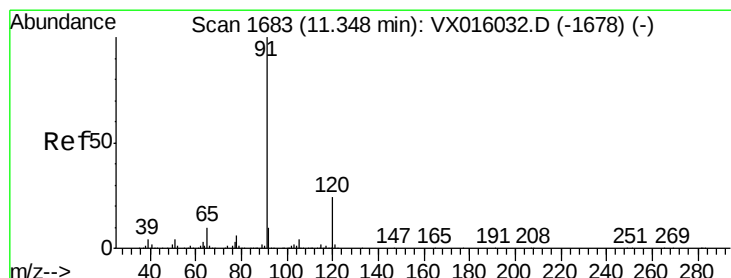
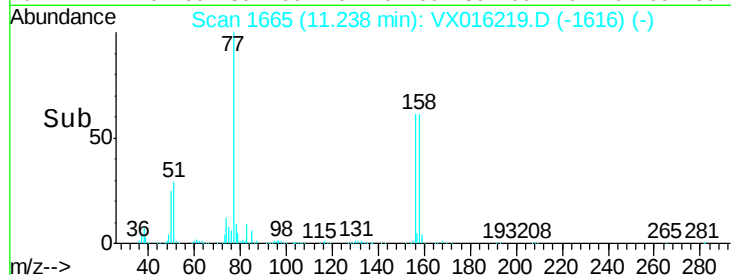
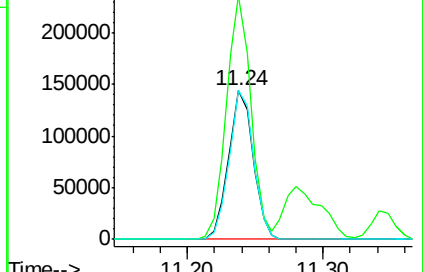
158 99.0 49.4 148.2



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: 46.87 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016219.D

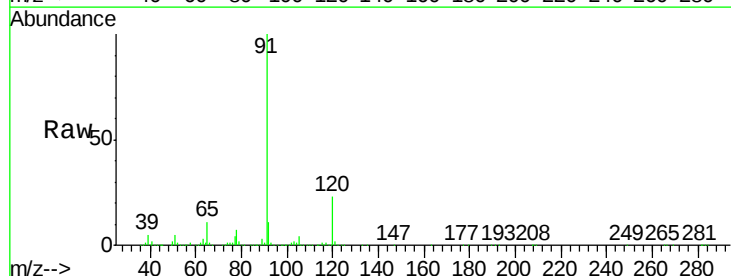
Acq: 14 May 2020 10:25

Tgt Ion: 91 Resp: 836564

Ion Ratio Lower Upper

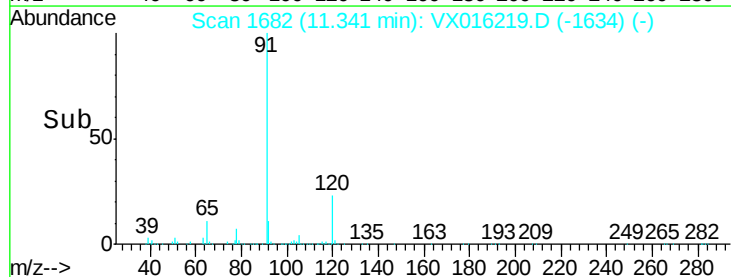
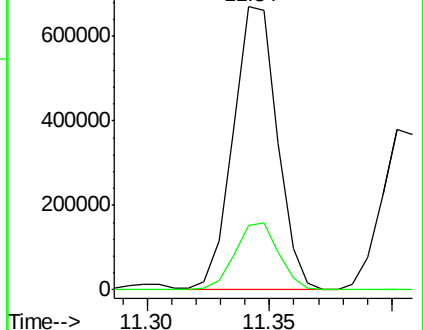
91 100

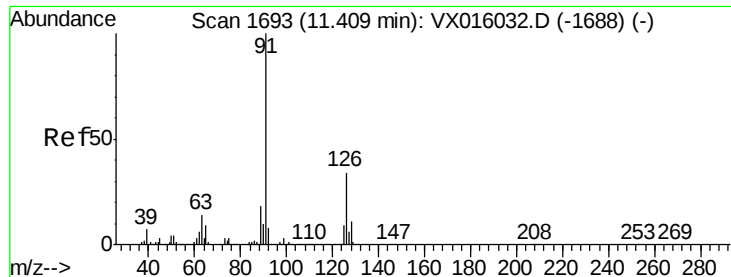
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.88 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

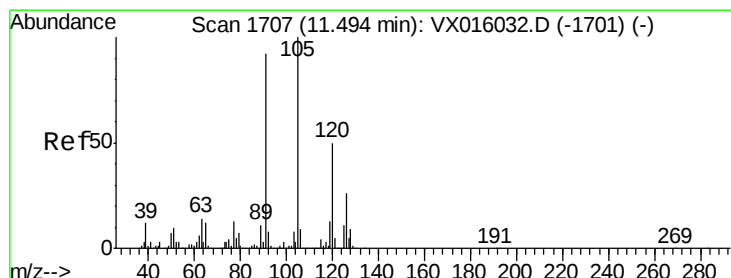
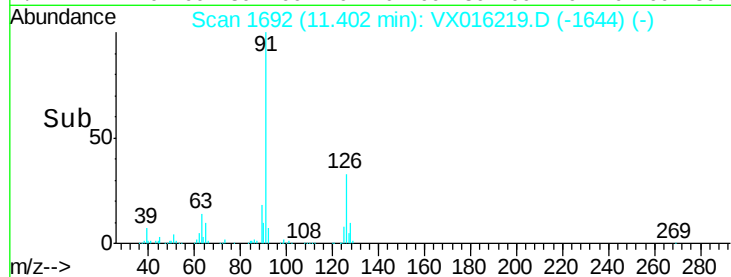
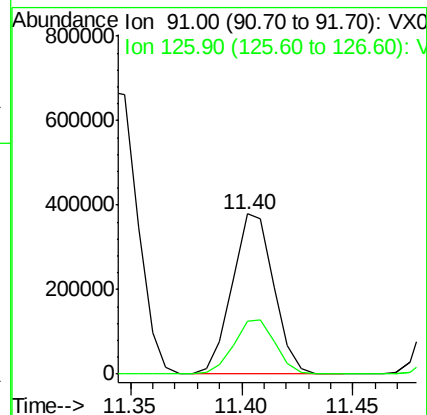
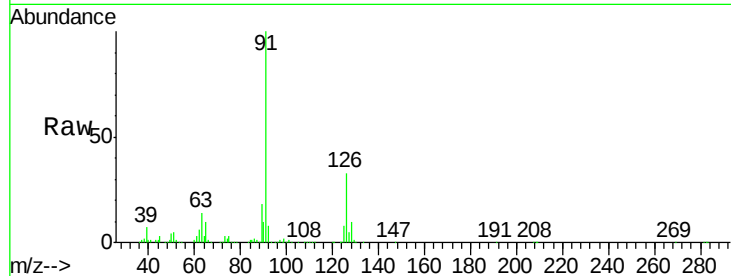
VSTDCCC050

Tgt Ion: 91 Resp: 493899

Ion Ratio Lower Upper

91 100

126 34.0 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 47.55 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016219.D

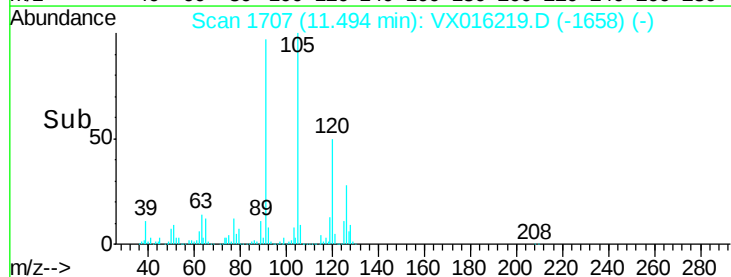
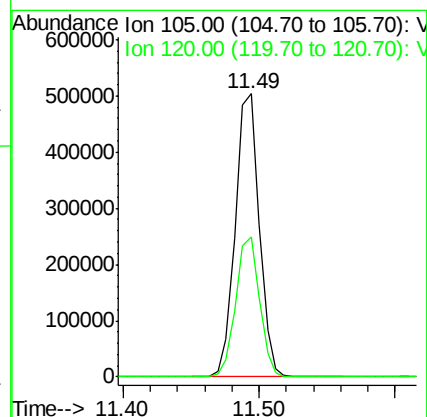
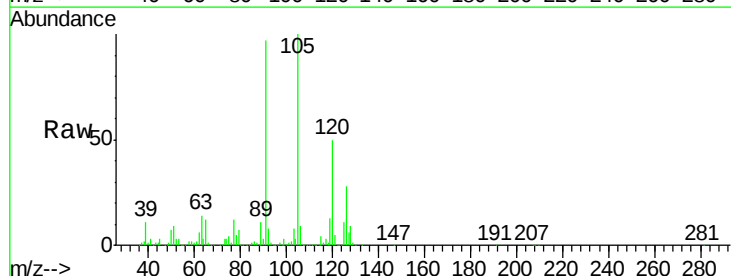
Acq: 14 May 2020 10:25

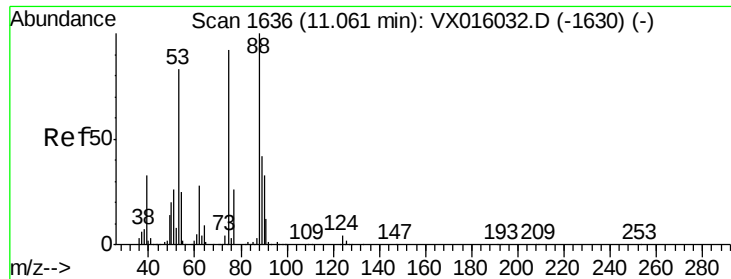
Tgt Ion: 105 Resp: 615948

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 45.64 ug/l

RT: 11.06 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

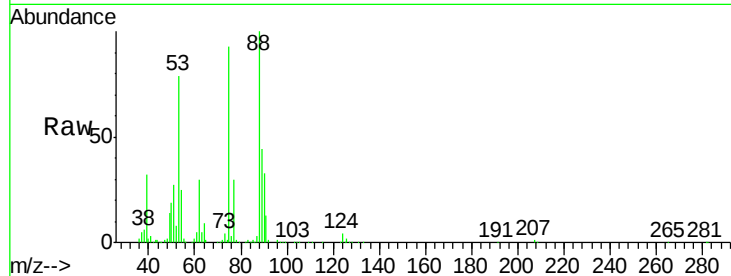
Tgt Ion: 75 Resp: 91662

Ion Ratio Lower Upper

75 100

53 87.9 73.1 109.7

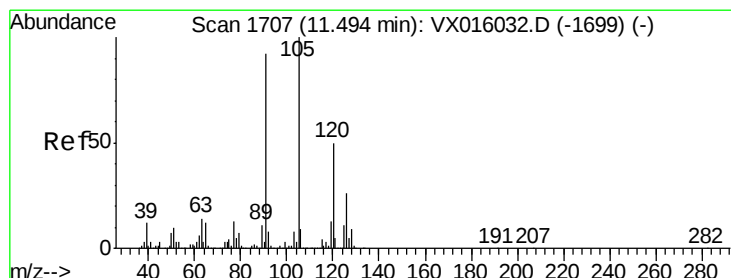
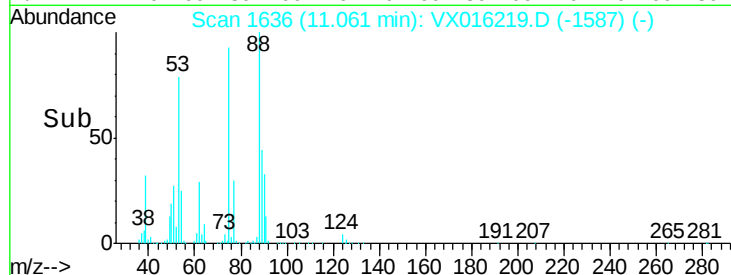
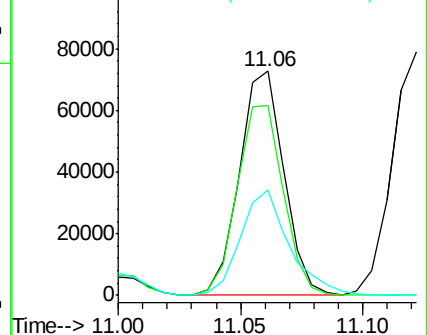
89 52.0 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 47.91 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX016219.D

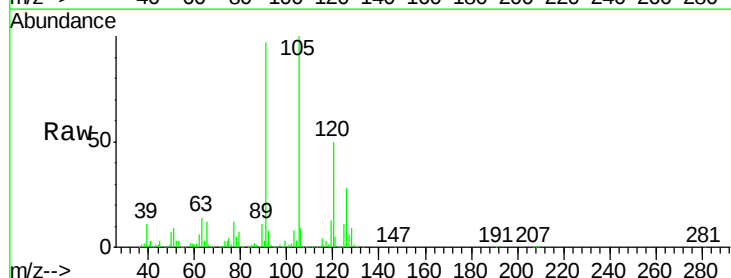
Acq: 14 May 2020 10:25

Tgt Ion: 91 Resp: 595999

Ion Ratio Lower Upper

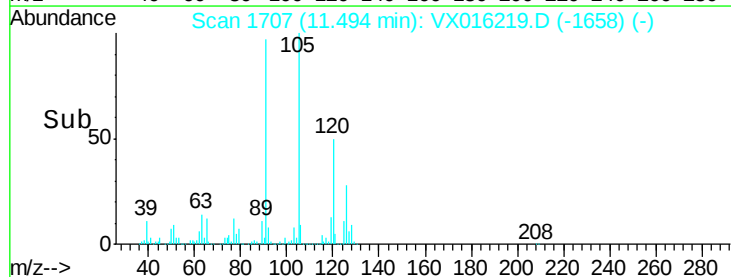
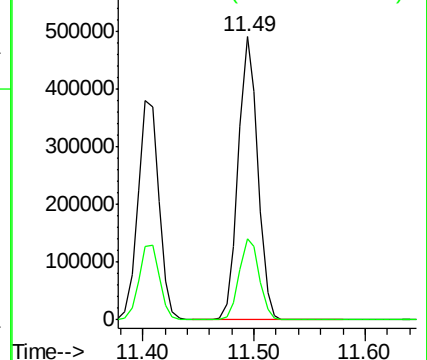
91 100

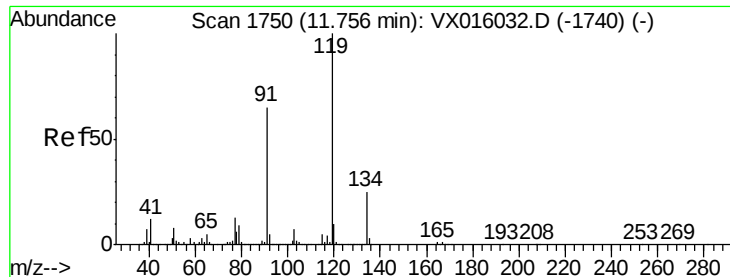
126 29.4 14.8 44.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.05 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

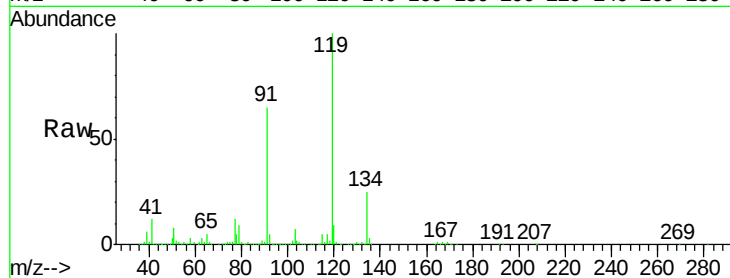
Tgt Ion:119 Resp: 525201

Ion Ratio Lower Upper

119 100

91 64.2 32.8 98.4

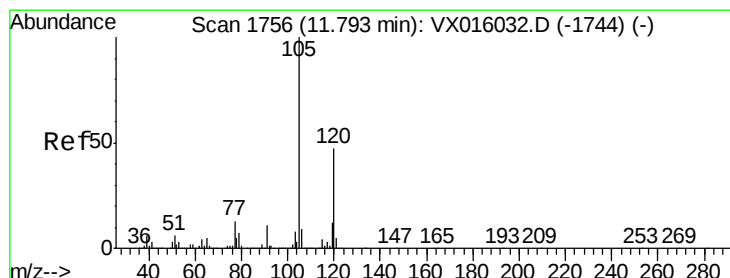
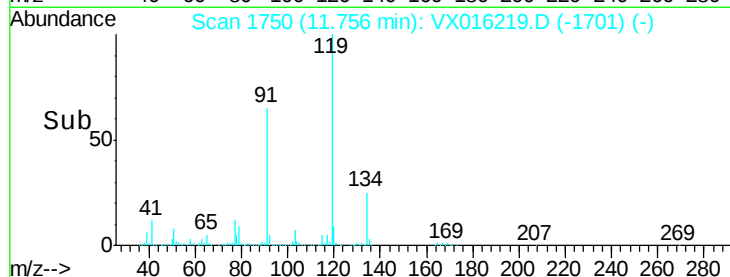
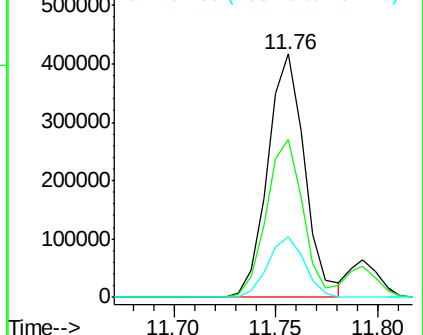
134 24.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.11 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016219.D

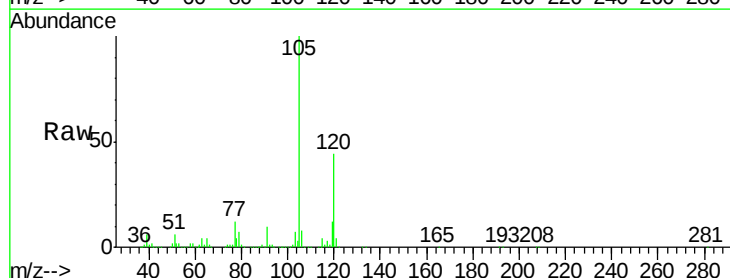
Acq: 14 May 2020 10:25

Tgt Ion:105 Resp: 629977

Ion Ratio Lower Upper

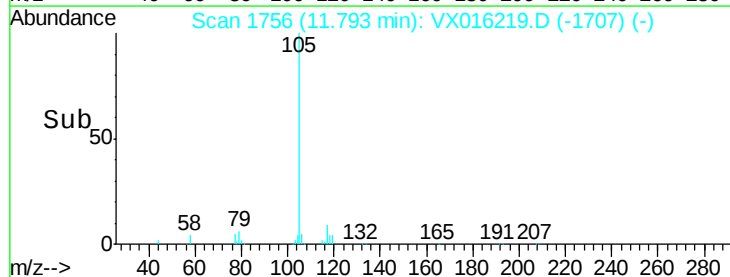
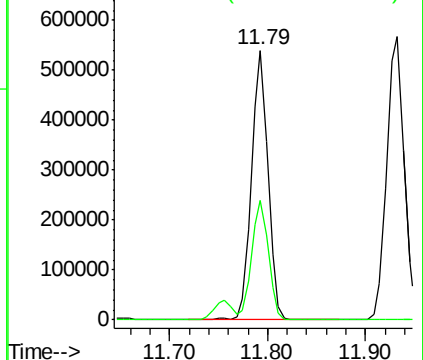
105 100

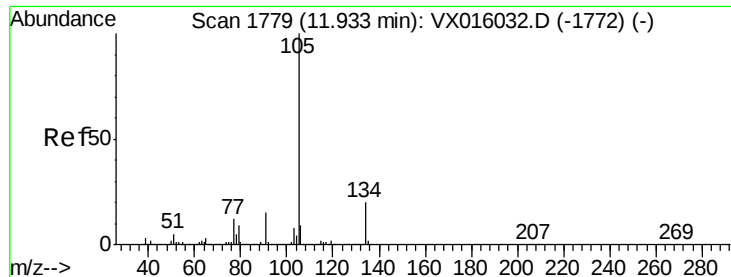
120 45.3 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.45 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

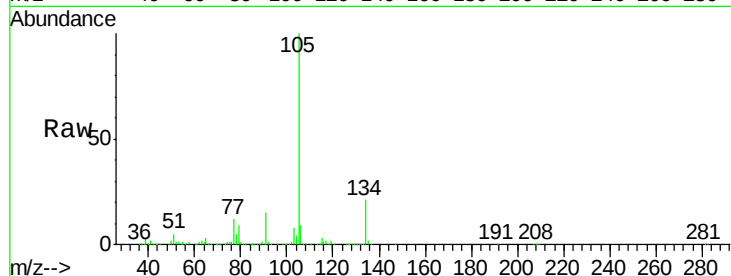
VSTDCCC050

Tgt Ion:105 Resp: 700061

Ion Ratio Lower Upper

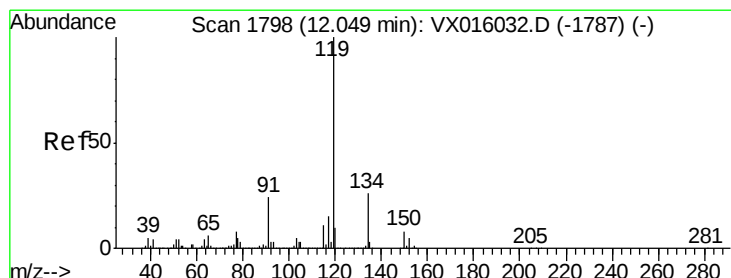
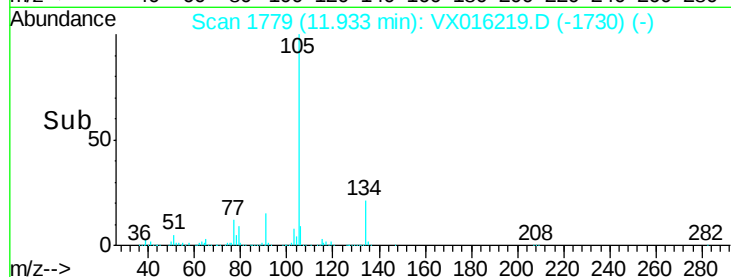
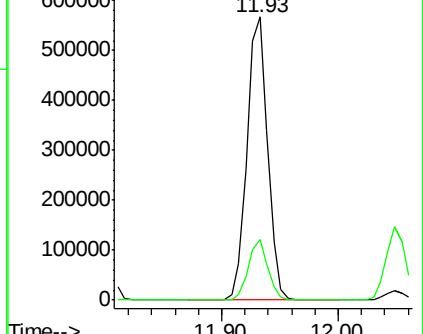
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.26 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

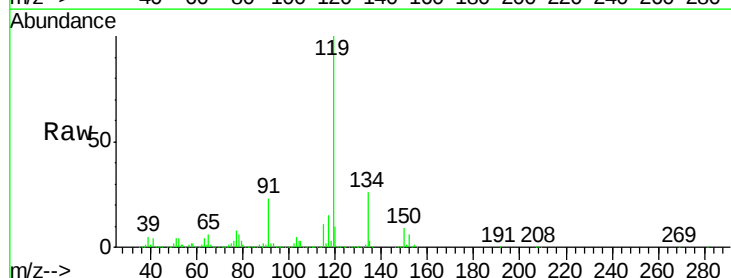
Tgt Ion:119 Resp: 661419

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

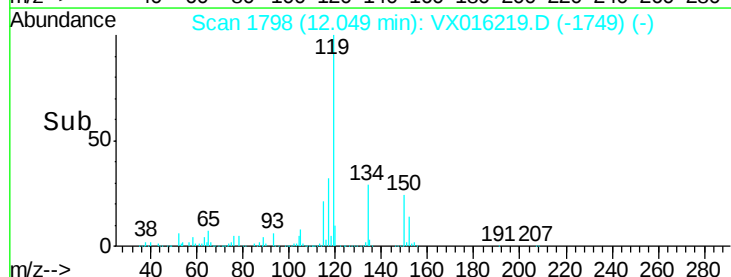
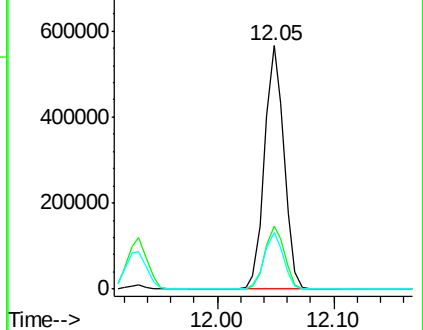
91 23.2 11.8 35.4

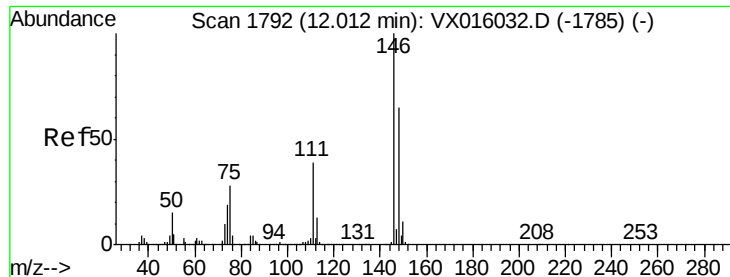


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 47.28 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

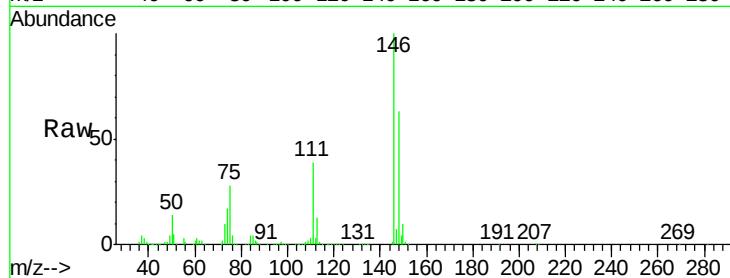
Tgt Ion:146 Resp: 336170

Ion Ratio Lower Upper

146 100

111 39.8 20.2 60.6

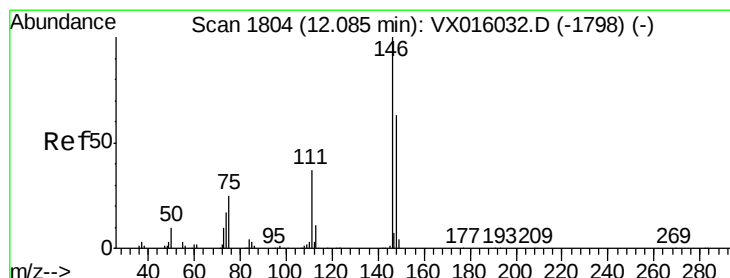
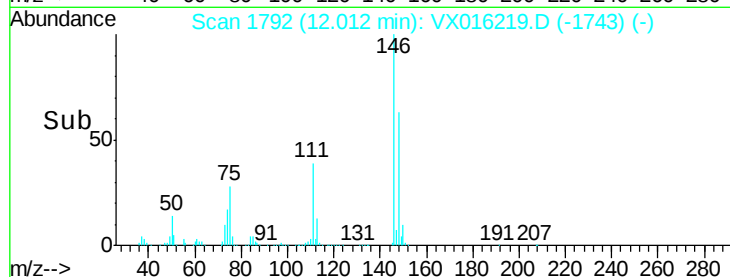
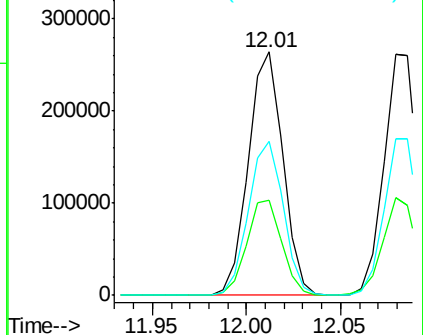
148 63.8 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 46.33 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

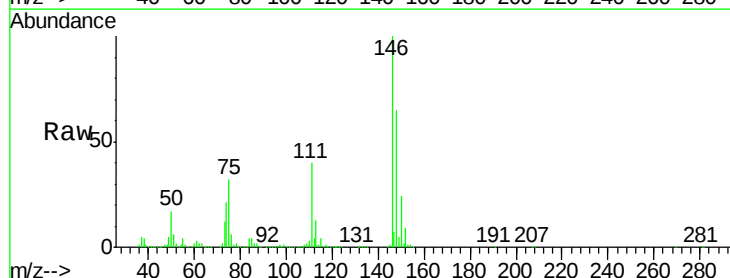
Tgt Ion:146 Resp: 334363

Ion Ratio Lower Upper

146 100

111 39.7 19.6 58.7

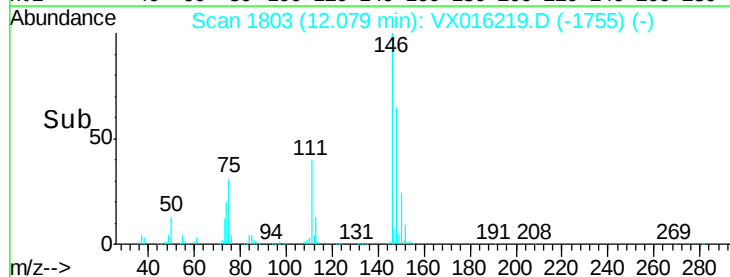
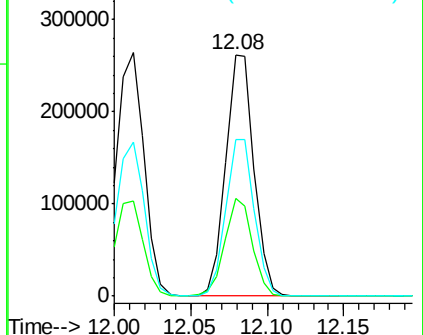
148 65.6 31.8 95.3

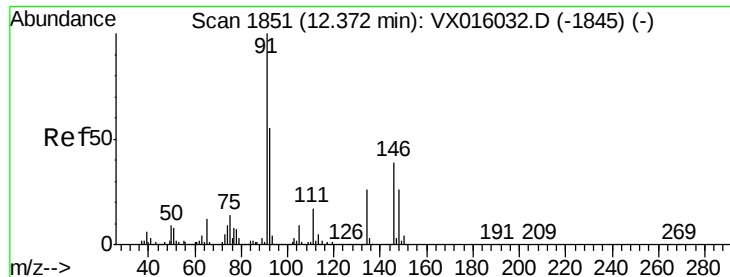


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

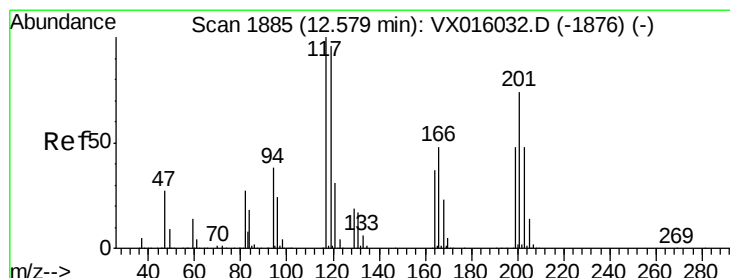
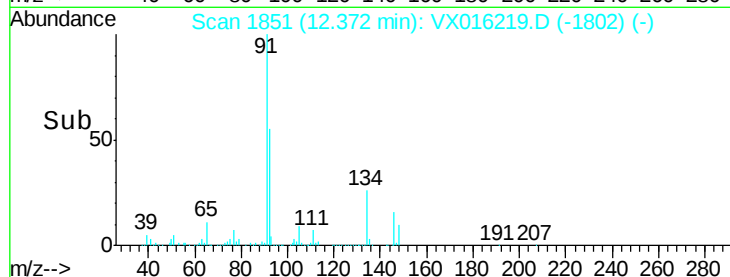
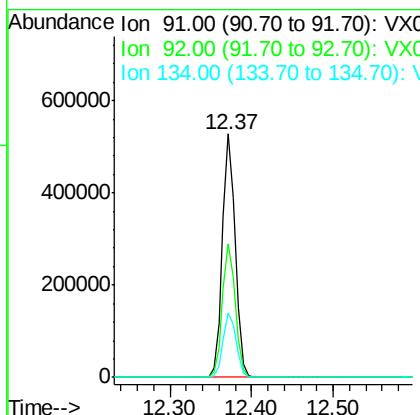
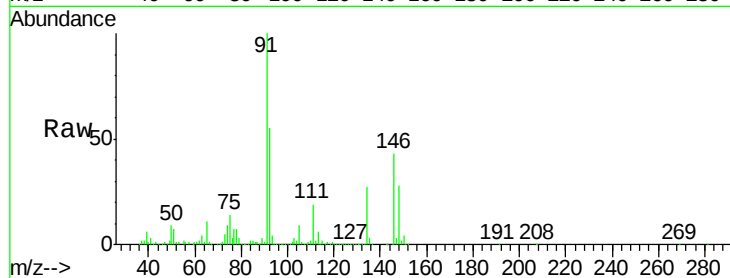




#89
n-Butylbenzene
Concen: 45.60 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

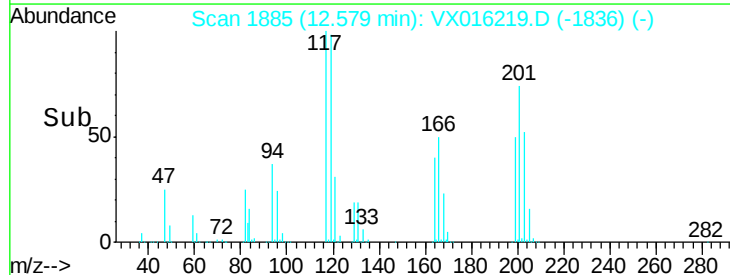
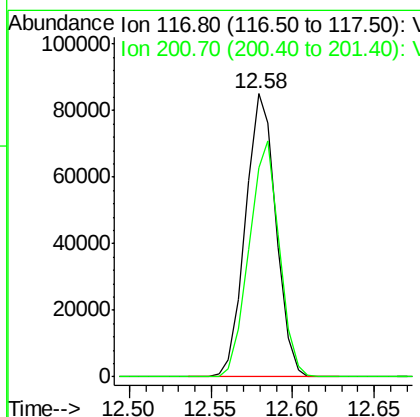
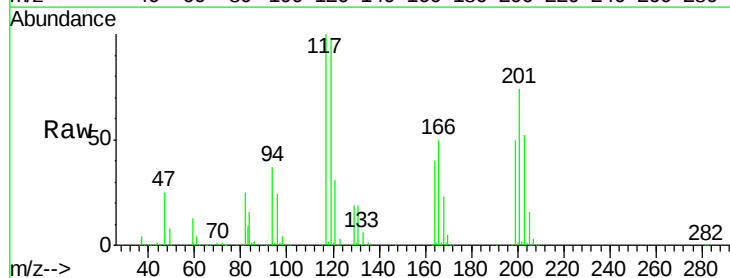
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 583003
Ion Ratio Lower Upper
91 100
92 55.2 27.6 82.7
134 26.7 13.4 40.1



#90
Hexachloroethane
Concen: 46.06 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion: 117 Resp: 110686
Ion Ratio Lower Upper
117 100
201 82.5 39.8 119.3





#91

1,2-Dichlorobenzene

Concen: 47.65 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

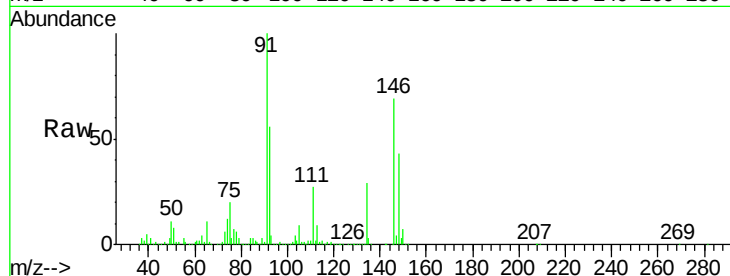
Tgt Ion:146 Resp: 326237

Ion Ratio Lower Upper

146 100

111 41.0 21.1 63.1

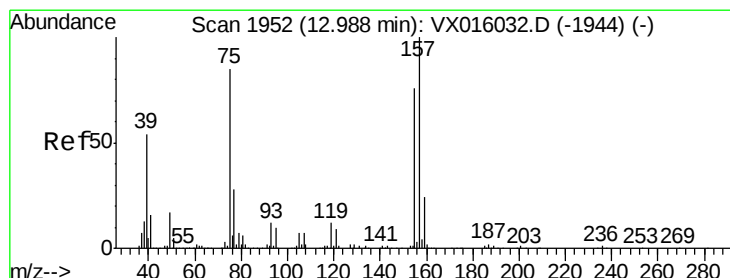
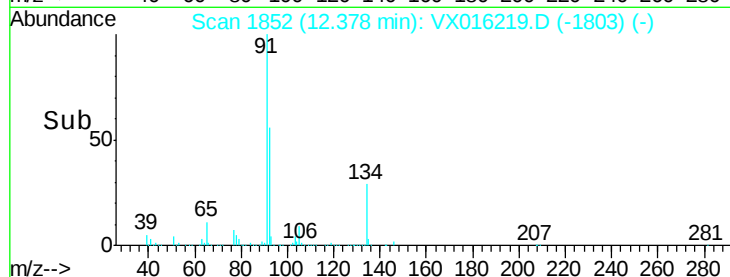
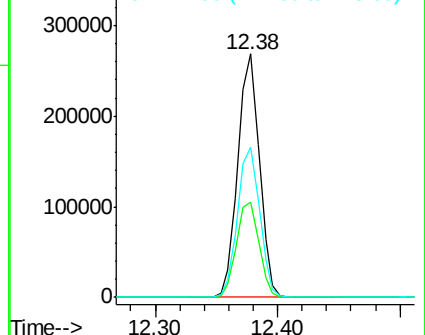
148 63.3 32.4 97.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.59 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.01 min

Lab File: VX016219.D

Acq: 14 May 2020 10:25

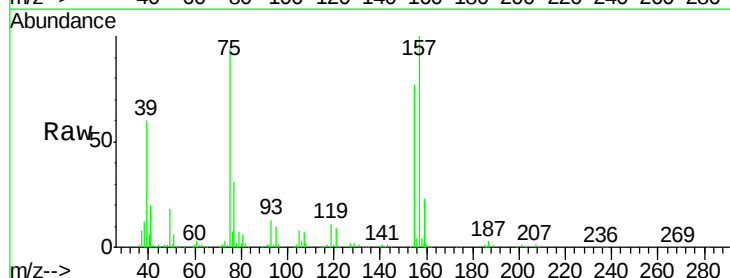
Tgt Ion: 75 Resp: 53723

Ion Ratio Lower Upper

75 100

155 87.6 42.5 127.5

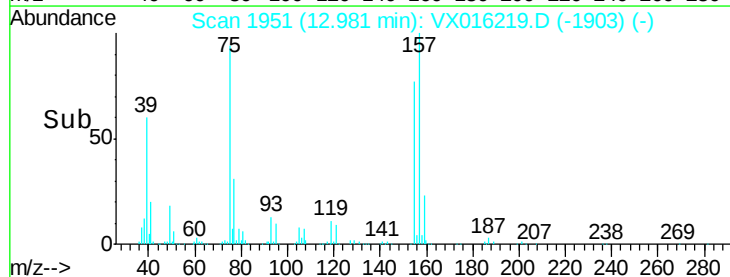
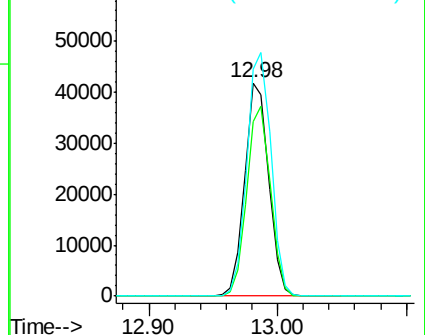
157 114.3 55.3 165.8



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

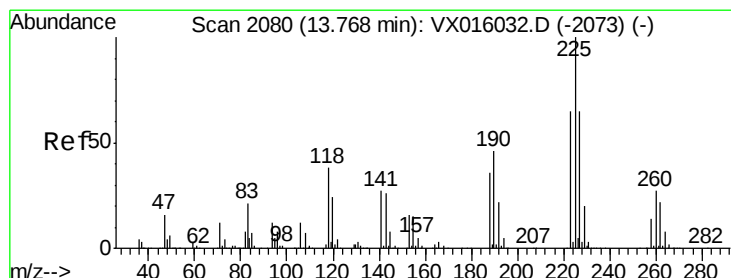
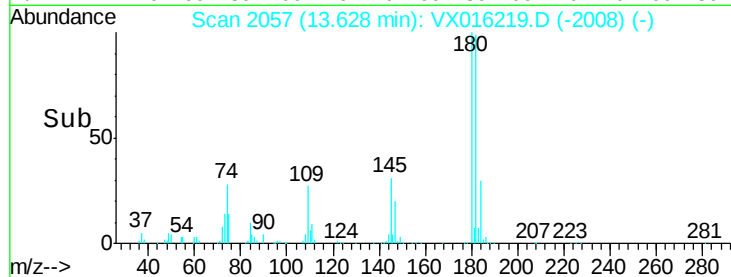
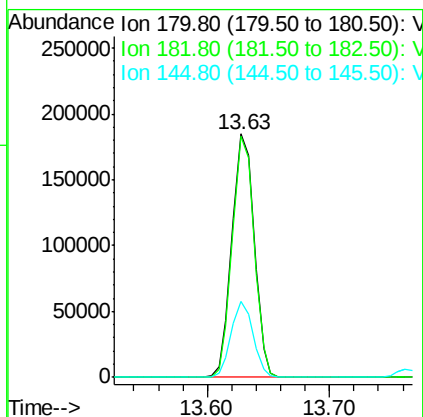
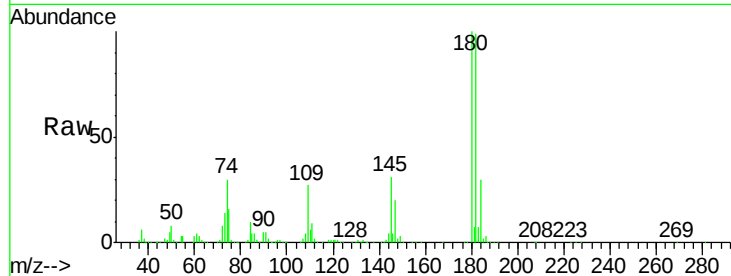




#93
 1,2,4-Trichlorobenzene
 Concen: 45.80 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

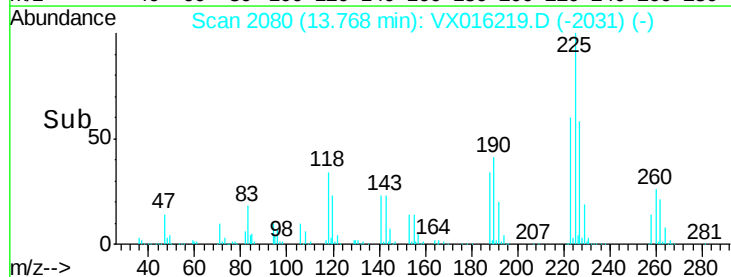
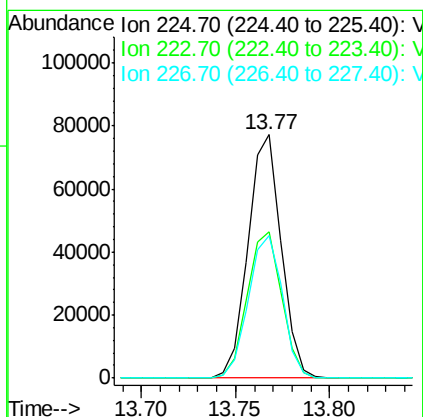
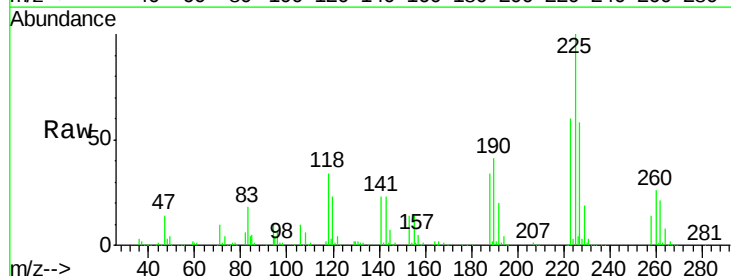
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 232169
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.7 146.1
 145 30.5 15.7 47.1



#94
 Hexachlorobutadiene
 Concen: 43.20 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016219.D
 Acq: 14 May 2020 10:25

Tgt Ion:225 Resp: 94130
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.3 96.9
 227 60.0 31.8 95.4

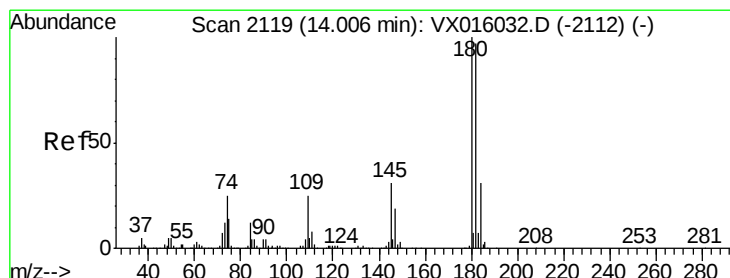
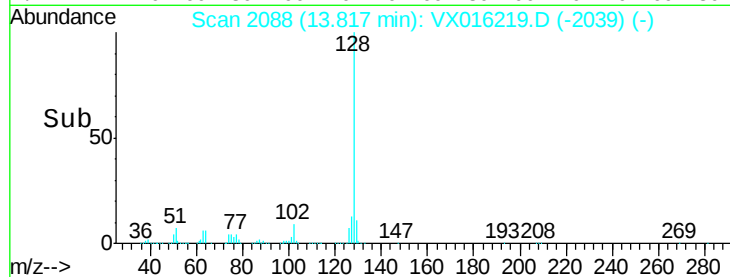
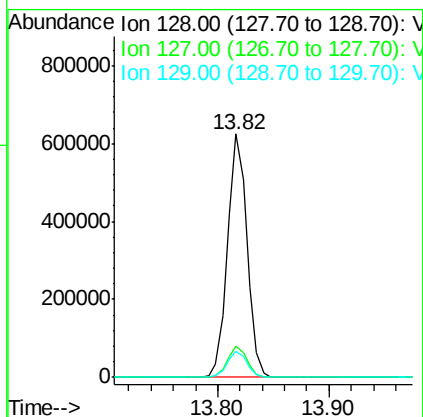
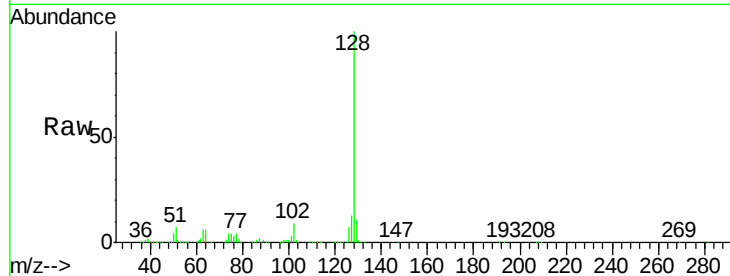




#95
Naphthalene
Concen: 46.00 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 755033
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 46.86 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VX016219.D
Acq: 14 May 2020 10:25

Tgt Ion:180 Resp: 232131
Ion Ratio Lower Upper
180 100
182 91.4 48.4 145.0
145 32.0 16.4 49.1

