

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100419\
 Data File : VX012807.D
 Acq On : 04 Oct 2019 13:28
 Operator : JC/SP
 Sample : K5176-02
 Misc : 5.02g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

Quant Time: Oct 05 04:21:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99772	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	105961	44.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.90%	
35) Dibromofluoromethane	5.49	113	80954	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	8.71	98	326791	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	117424	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	

Target Compounds						Qvalue
3) Chloromethane	1.43	50	57188	27.042	ug/l #	75
5) Bromomethane	1.62	94	1053	1.274	ug/l #	71
6) Chloroethane	1.72	64	398	0.281	ug/l #	65
10) Methyl Iodide	2.47	142	1184	5.516	ug/l #	93
11) Tert butyl alcohol	3.01	59	10052	16.880	ug/l #	72
13) Acrolein	2.24	56	555	11.837	ug/l	96
16) Acetone	2.49	43	171580	135.883	ug/l	93
17) Carbon Disulfide	2.51	76	1995	0.404	ug/l	99
18) Methyl Acetate	2.80	43	4356	1.465	ug/l	96
19) Methyl tert-butyl Ether	3.22	73	6360	0.955	ug/l #	61
20) Methylene Chloride	2.83	84	977	0.457	ug/l #	78
22) Diisopropyl ether	3.79	45	14563	2.158	ug/l #	1
23) Vinyl Acetate	3.77	43	4145	0.700	ug/l #	73
29) Tetrahydrofuran	5.17	42	722	0.654	ug/l #	34
31) Cyclohexane	5.59	56	12454	3.753	ug/l #	43
36) 1,1-Dichloropropene	5.64	75	13545	5.120	ug/l #	51
38) Carbon Tetrachloride	5.65	117	17547	6.530	ug/l #	16
39) Methylcyclohexane	7.45	83	6799	2.135	ug/l	95
43) Isopropyl Acetate	6.27	43	7075	1.368	ug/l #	62
48) Methyl methacrylate	7.78	41	20410	8.230	ug/l	93
49) 1,4-Dioxane	7.75	88	511	9.085	ug/l #	22
51) 4-Methyl-2-Pentanone	8.65	43	44627	13.979	ug/l	97
52) Toluene	8.78	92	768811	157.165	ug/l	98
53) t-1,3-Dichloropropene	8.78	75	9287	3.096	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	3967	2.040	ug/l #	20
56) Ethyl methacrylate	9.12	69	92319	28.256	ug/l #	84
59) 2-Hexanone	9.51	43	2405	0.984	ug/l	74
60) Dibromochloromethane	9.33	129	1758	0.893	ug/l #	11
64) Tetrachloroethene	9.33	164	1741	1.070	ug/l	94
67) Ethyl Benzene	10.25	91	38142	4.279	ug/l	99
68) m/p-Xylenes	10.35	106	49363	14.784	ug/l	97
69) o-Xylene	10.70	106	20564	6.365	ug/l	98
70) Styrene	10.70	104	1816	0.335	ug/l #	1
73) Isopropylbenzene	11.01	105	12703	1.563	ug/l	94

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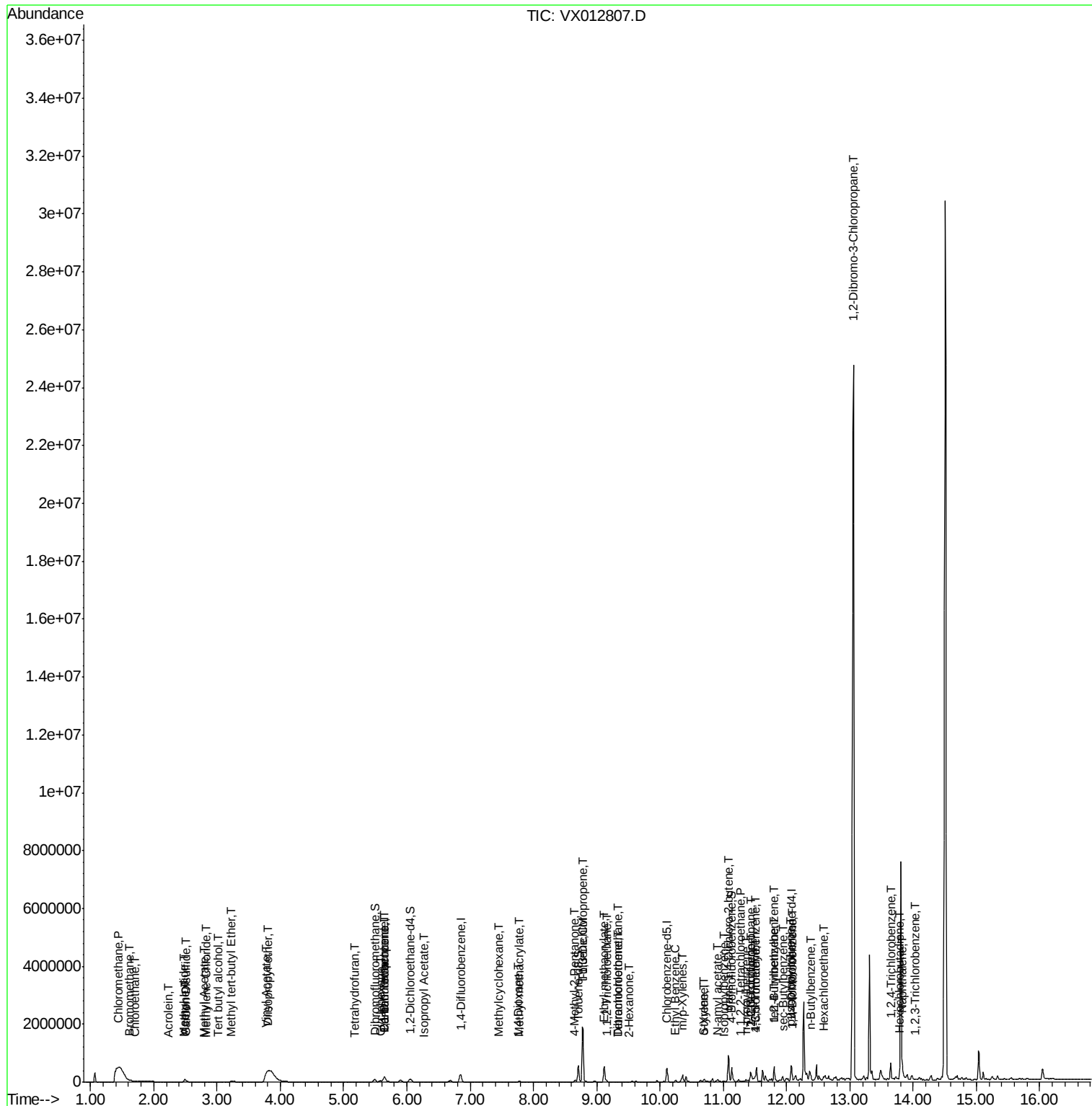
74) N-amyl acetate	10.91	43	7661	1.976	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.26	83	2023	0.752	ug/l #	26
76) 1,2,3-Trichloropropane	11.43	75	2061	0.781	ug/l #	1
78) n-propylbenzene	11.35	91	53797	5.880	ug/l	99
79) 2-Chlorotoluene	11.43	91	26639	4.668	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.50	105	65041	9.545	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	28726	31.192	ug/l #	37
82) 4-Chlorotoluene	11.50	91	8754	1.346	ug/l #	60
83) tert-Butylbenzene	11.81	119	26655	4.055	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.81	105	222781	32.408	ug/l	99
85) sec-Butylbenzene	11.94	105	28245	3.694	ug/l	89
86) p-Isopropyltoluene	12.06	119	15797	2.290	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	946	0.283	ug/l #	1
89) n-Butylbenzene	12.38	91	57422	9.446	ug/l #	56
90) Hexachloroethane	12.59	117	4769	3.877	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	13.06	75	53608	79.631	ug/l #	4
93) 1,2,4-Trichlorobenzene	13.64	180	1400	0.693	ug/l #	1
94) Hexachlorobutadiene	13.77	225	443	0.510	ug/l	89
95) Naphthalene	13.83	128	96475	13.195	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1295	0.640	ug/l #	1

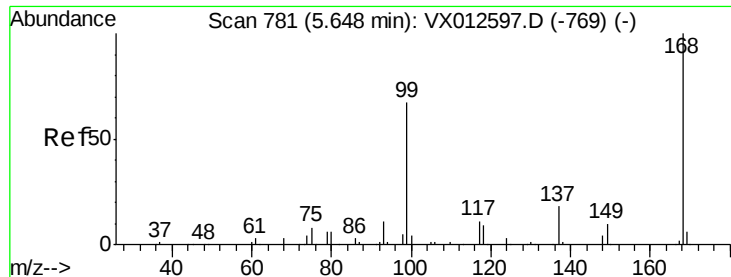
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

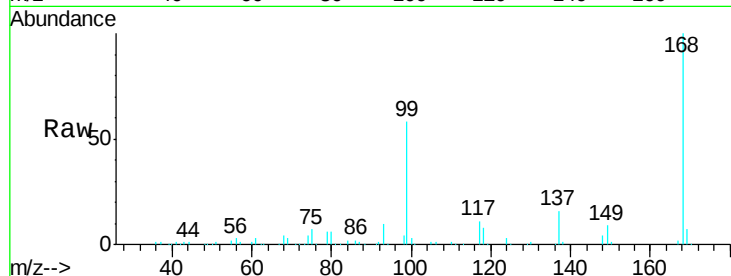
30440-30377

Tgt Ion:168 Resp: 163707

Ion Ratio Lower Upper

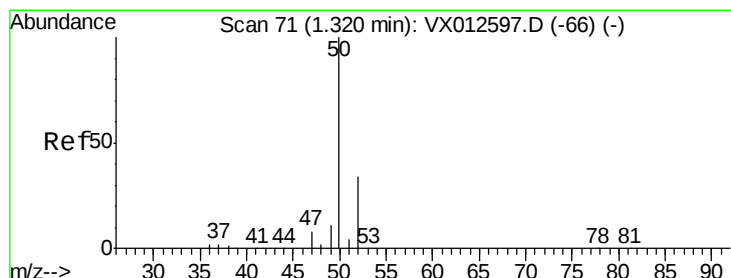
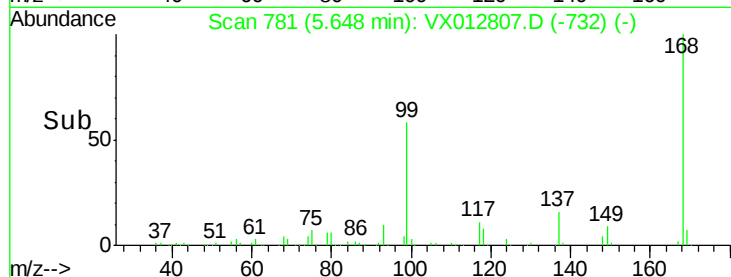
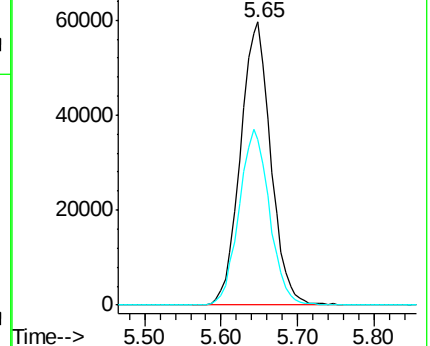
168 100

99 58.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 27.042 ug/l

RT: 1.43 min Scan# 89

Delta R.T. 0.11 min

Lab File: VX012807.D

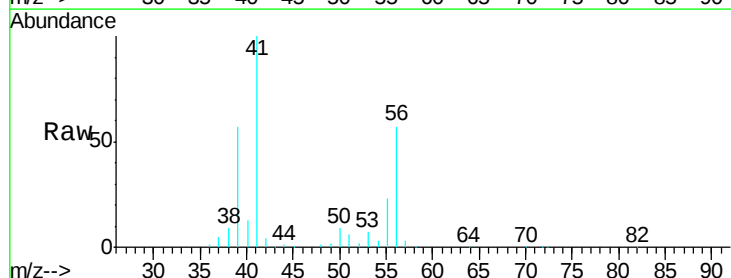
Acq: 04 Oct 2019 13:28

Tgt Ion: 50 Resp: 57188

Ion Ratio Lower Upper

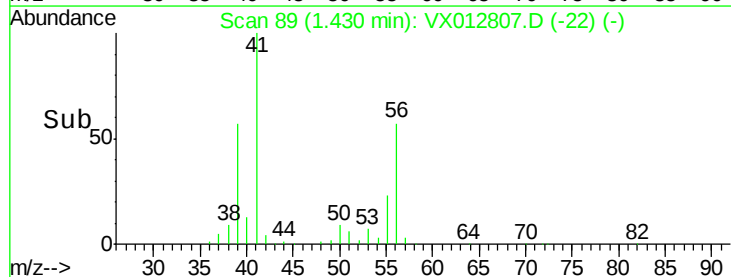
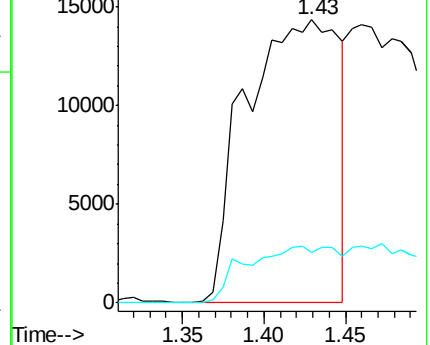
50 100

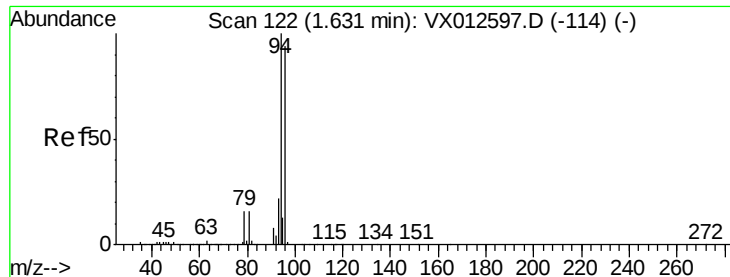
52 18.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.274 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

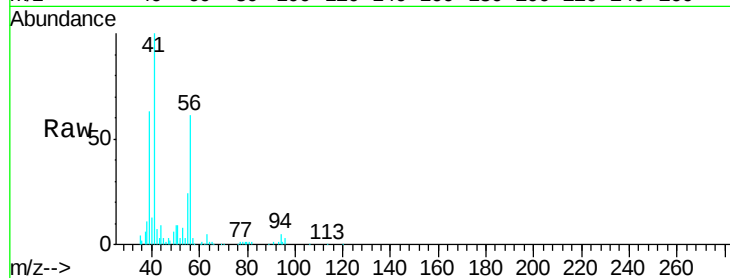
30440-30377

Tgt Ion: 94 Resp: 1053

Ion Ratio Lower Upper

94 100

96 63.2 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

800

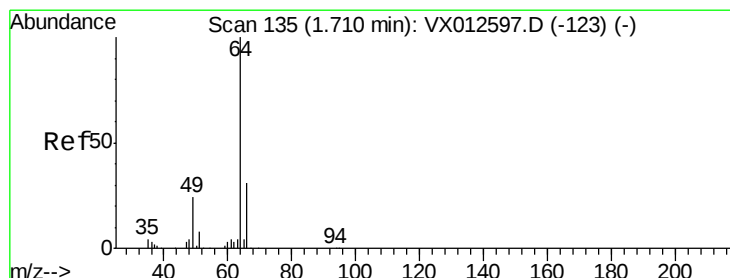
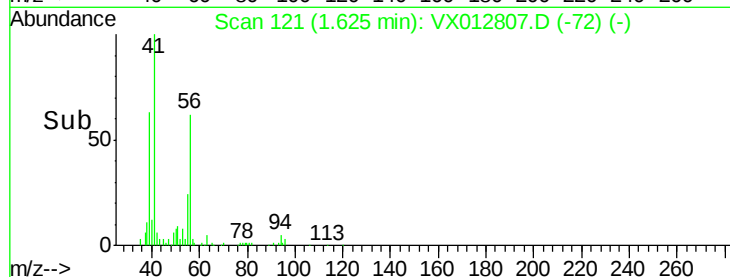
600

400

200

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 0.281 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012807.D

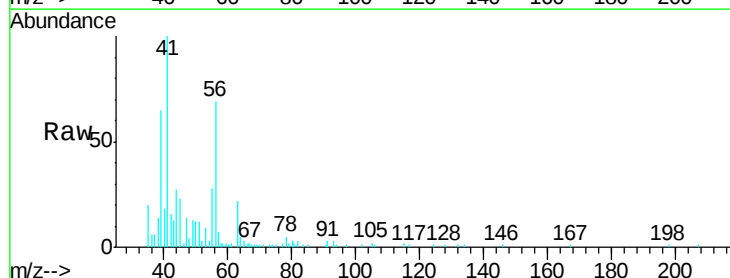
Acq: 04 Oct 2019 13:28

Tgt Ion: 64 Resp: 398

Ion Ratio Lower Upper

64 100

66 10.8 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

500

400

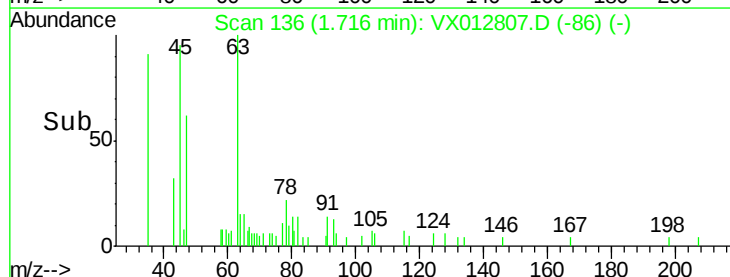
300

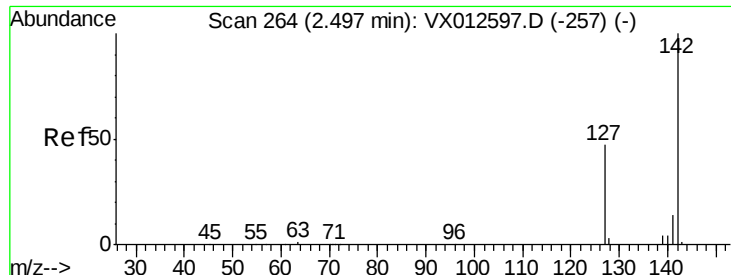
200

100

0

Time--> 1.70 1.71 1.72 1.73 1.74

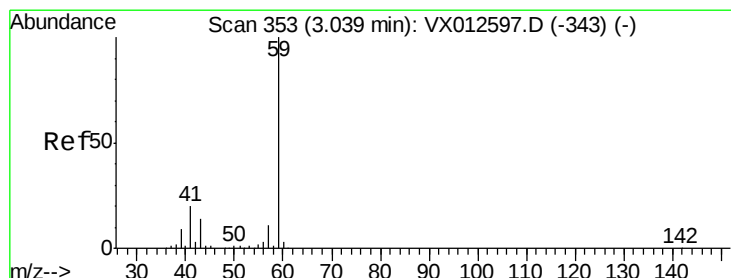
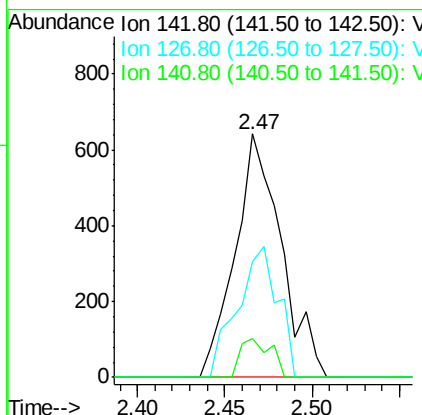
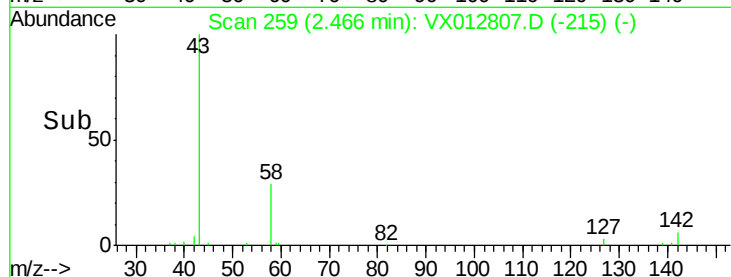
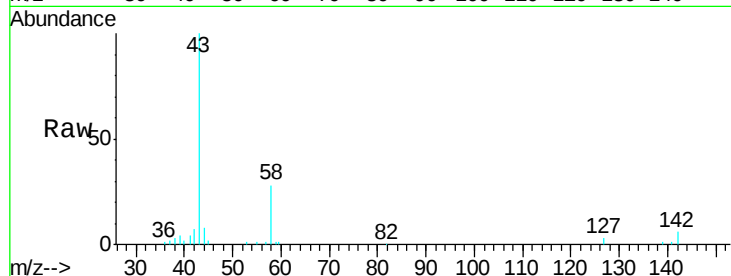




#10
Methyl Iodide
Concen: 5.516 ug/l
RT: 2.47 min Scan# 259
Delta R.T. -0.03 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

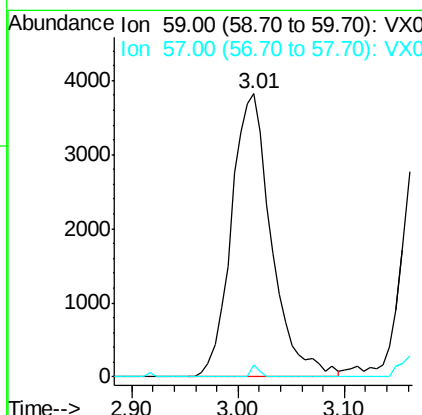
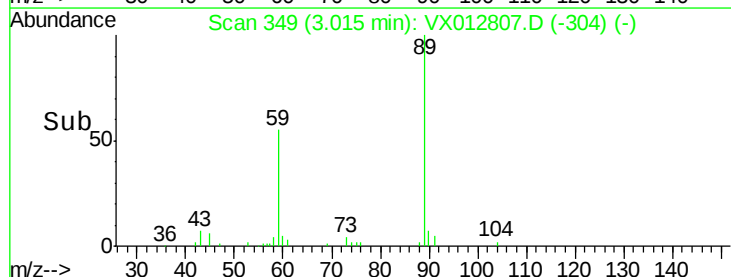
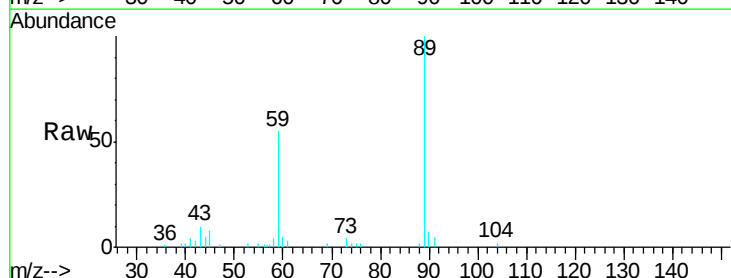
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

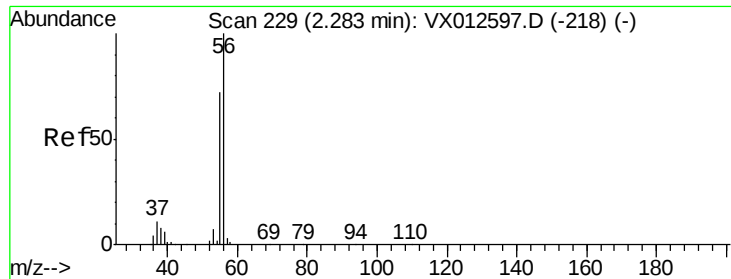
Tgt Ion:142 Resp: 1184
Ion Ratio Lower Upper
142 100
127 47.0 40.8 61.2
141 10.6 12.1 18.1#



#11
Tert butyl alcohol
Concen: 16.880 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 59 Resp: 10052
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 11.837 ug/l

RT: 2.24 min Scan# 222

Delta R.T. -0.04 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

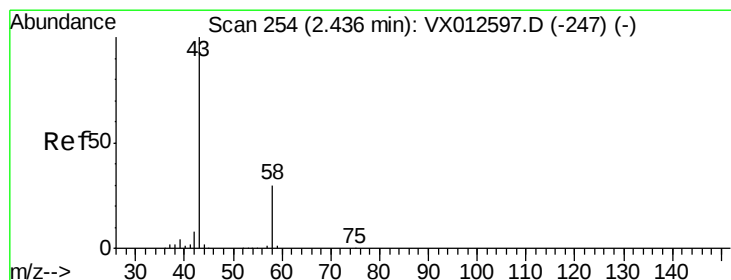
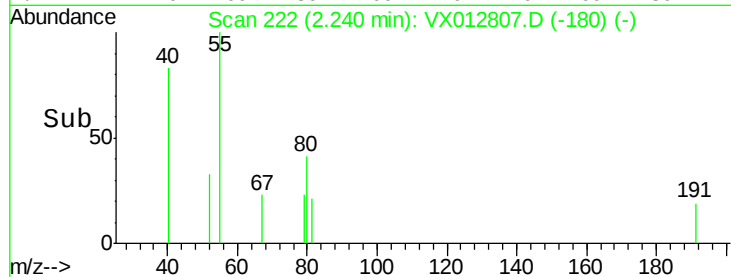
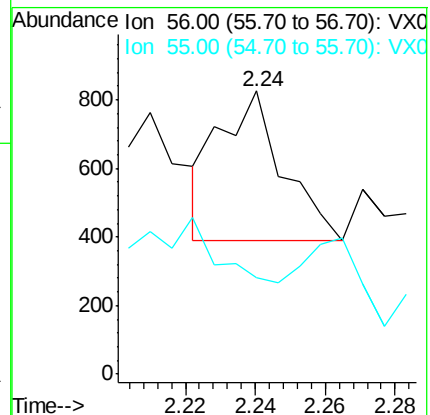
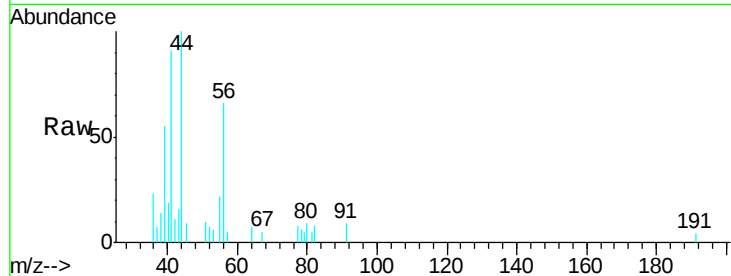
30440-30377

Tgt Ion: 56 Resp: 555

Ion Ratio Lower Upper

56 100

55 66.7 55.8 83.8



#16

Acetone

Concen: 135.883 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.06 min

Lab File: VX012807.D

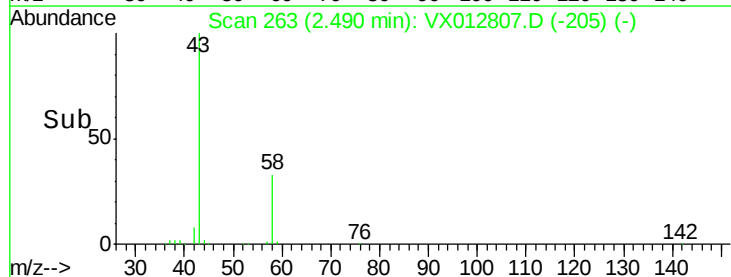
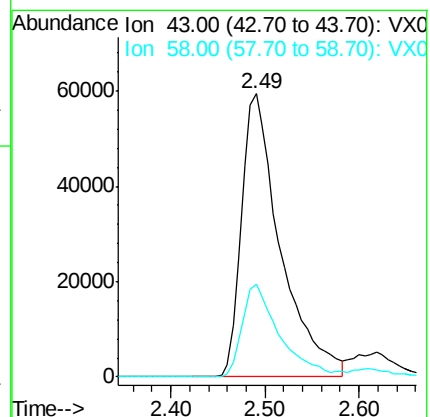
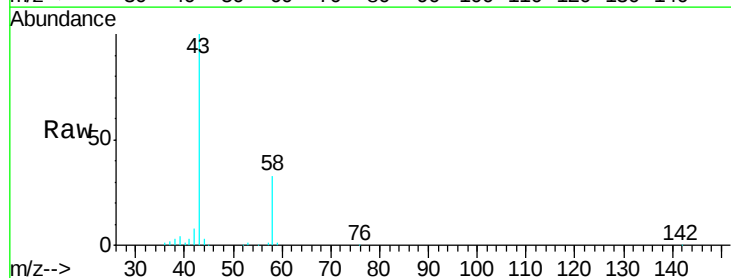
Acq: 04 Oct 2019 13:28

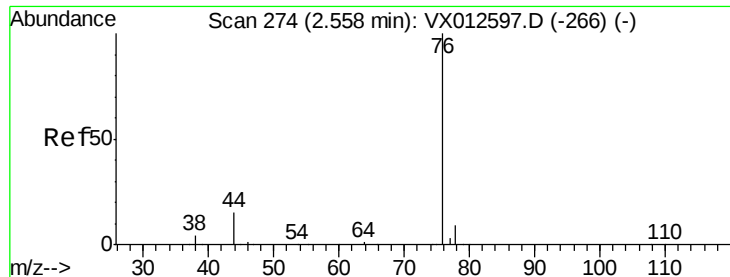
Tgt Ion: 43 Resp: 171580

Ion Ratio Lower Upper

43 100

58 32.9 23.3 34.9





#17

Carbon Disulfide

Concen: 0.404 ug/l

RT: 2.51 min Scan# 267

Delta R.T. -0.04 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampled :

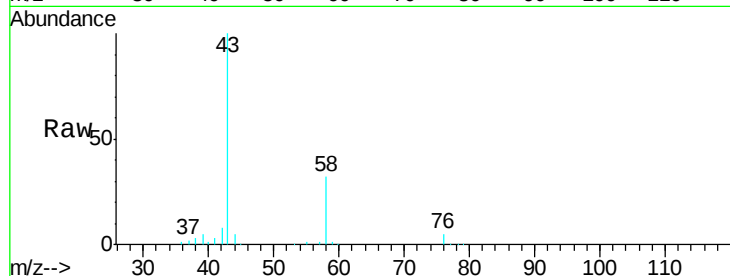
30440-30377

Tgt Ion: 76 Resp: 1995

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.51

1500

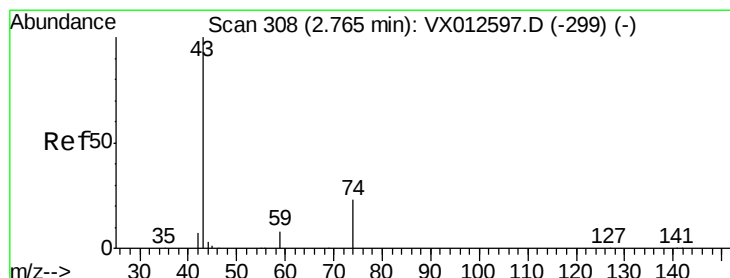
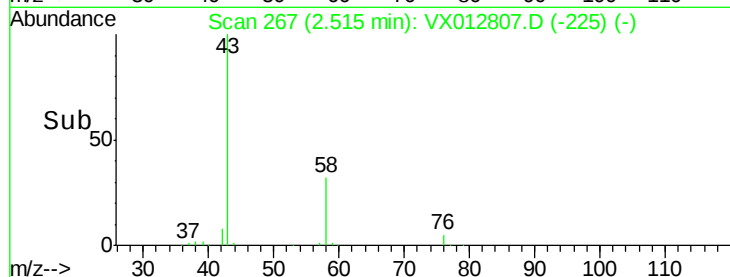
1000

500

0

2.45 2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 1.465 ug/l

RT: 2.80 min Scan# 313

Delta R.T. 0.03 min

Lab File: VX012807.D

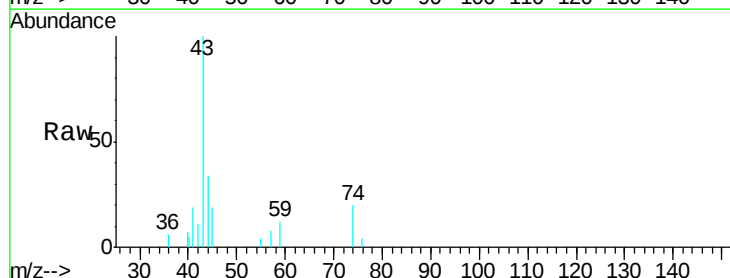
Acq: 04 Oct 2019 13:28

Tgt Ion: 43 Resp: 4356

Ion Ratio Lower Upper

43 100

74 20.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.80

2000

1500

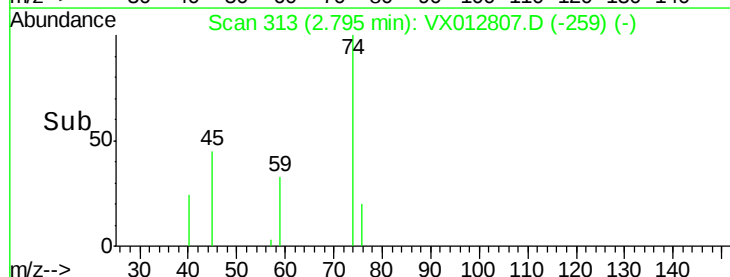
1000

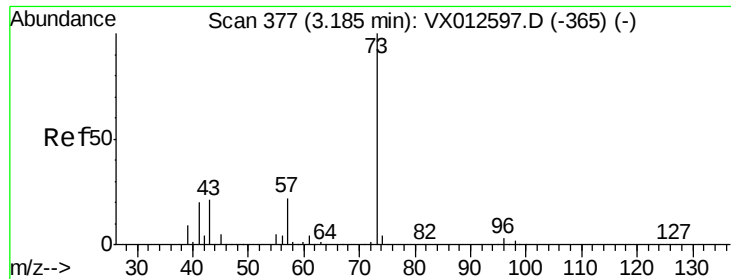
500

0

2.70 2.80 2.90

Time-->





#19

Methyl tert-butyl Ether

Concen: 0.955 ug/l

RT: 3.22 min Scan# 382

Delta R.T. 0.03 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampled :

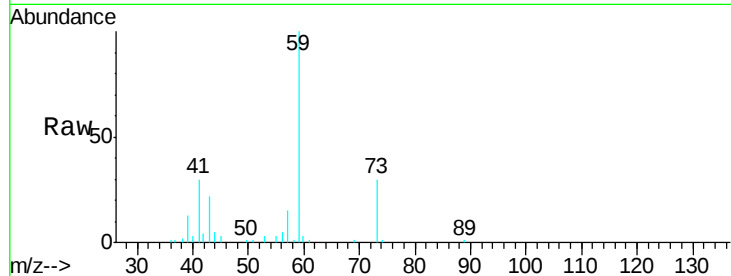
30440-30377

Tgt Ion: 73 Resp: 6360

Ion Ratio Lower Upper

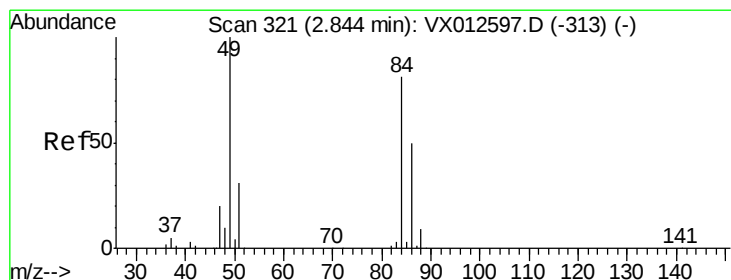
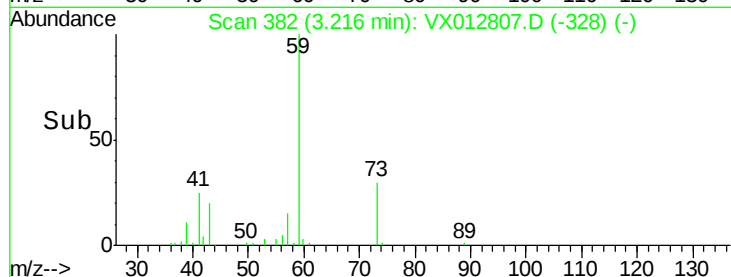
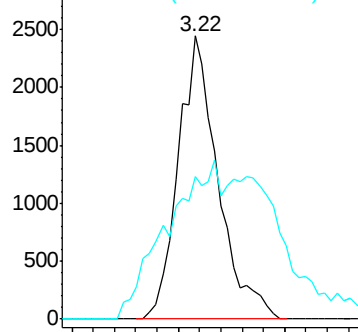
73 100

57 39.2 16.8 25.2#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 0.457 ug/l

RT: 2.83 min Scan# 319

Delta R.T. -0.01 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Tgt Ion: 84 Resp: 977

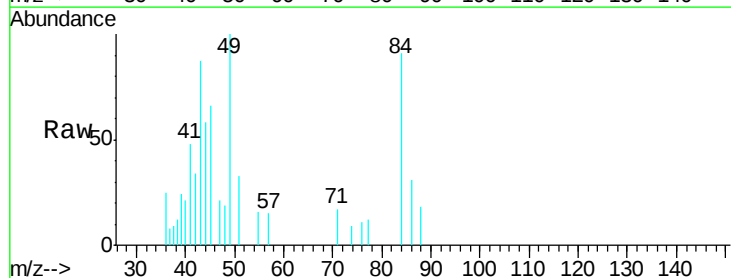
Ion Ratio Lower Upper

84 100

49 110.4 106.8 160.2

51 37.0 32.3 48.5

86 34.5 51.3 76.9#

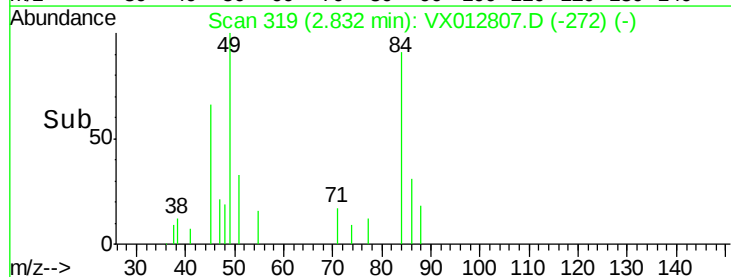
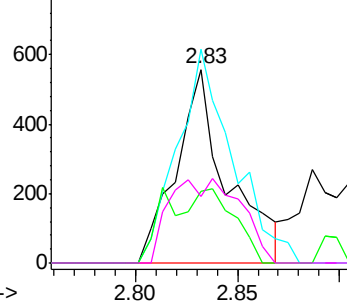


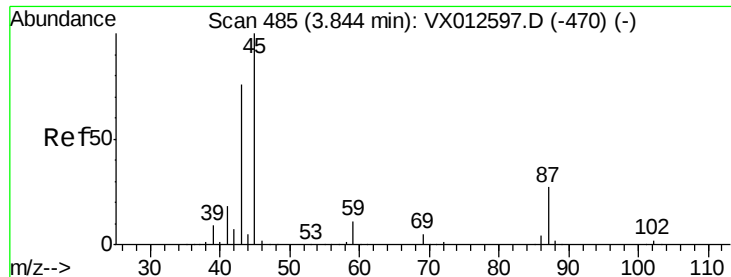
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#22

Diisopropyl ether

Concen: 2.158 ug/l

RT: 3.79 min Scan# 477

Delta R.T. -0.05 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tgt Ion: 45 Resp: 14563

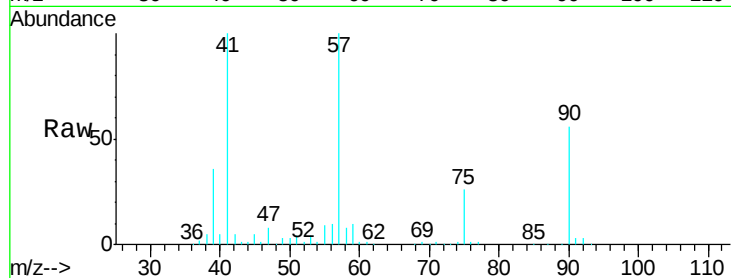
Ion Ratio Lower Upper

45 100

43 13.1 57.8 86.8#

87 1.7 21.3 31.9#

59 190.9 8.5 12.7#

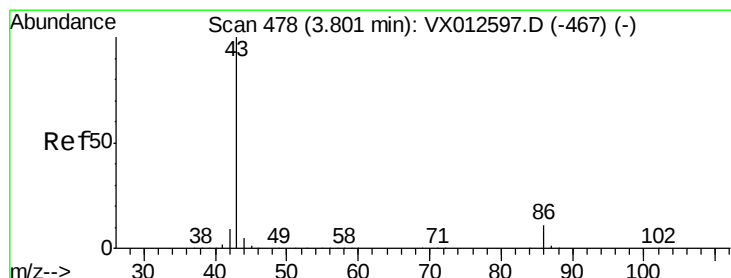
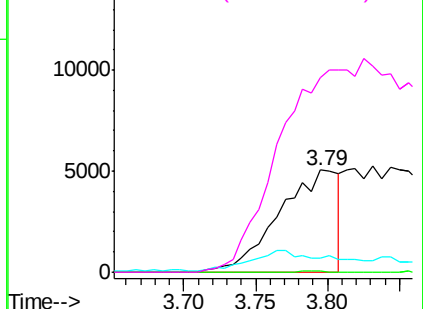
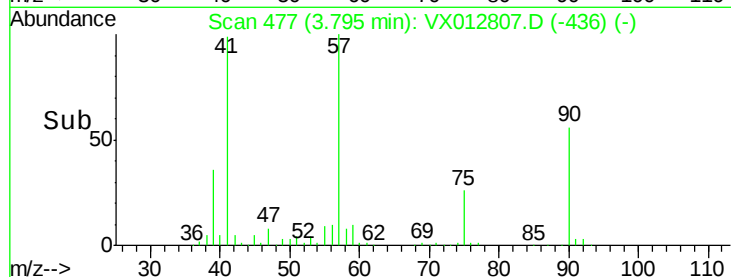


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 0.700 ug/l

RT: 3.77 min Scan# 473

Delta R.T. -0.03 min

Lab File: VX012807.D

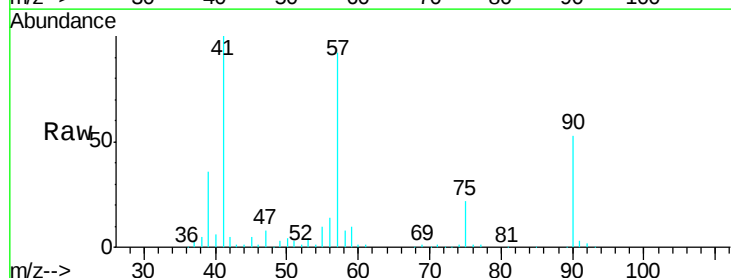
Acq: 04 Oct 2019 13:28

Tgt Ion: 43 Resp: 4145

Ion Ratio Lower Upper

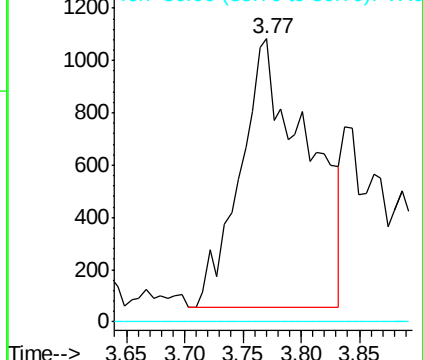
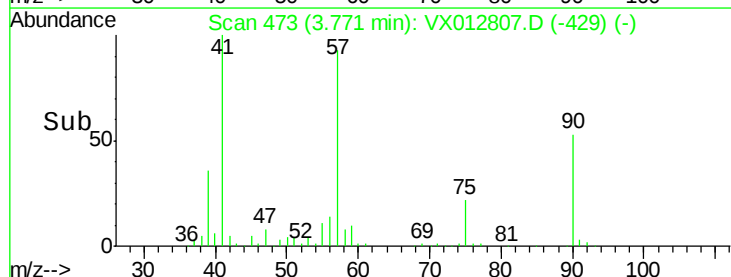
43 100

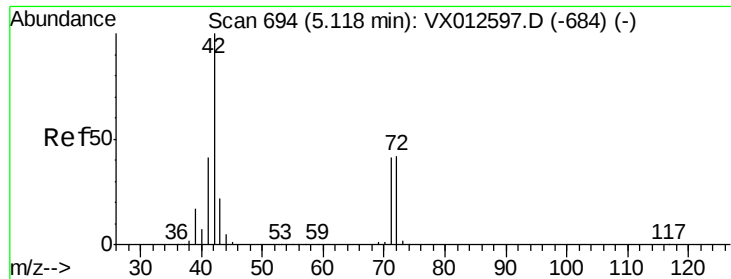
86 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

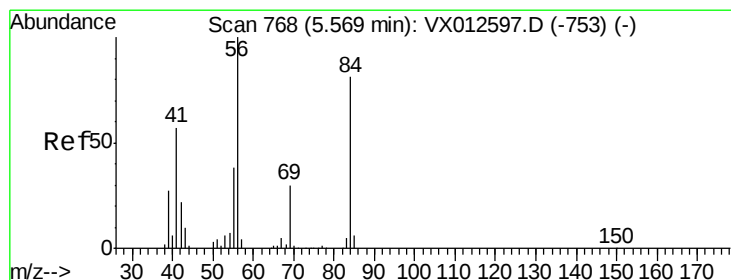
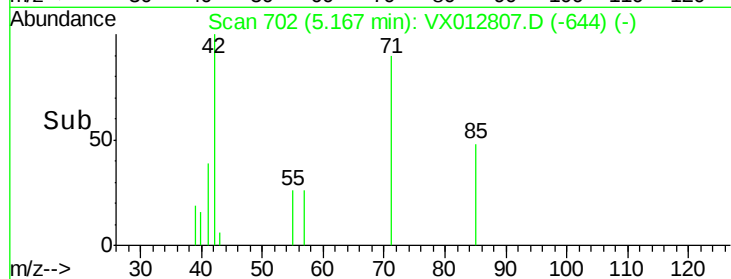
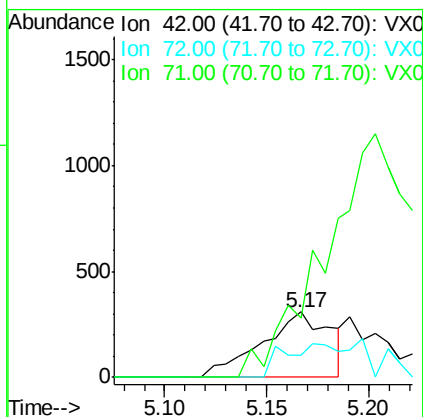
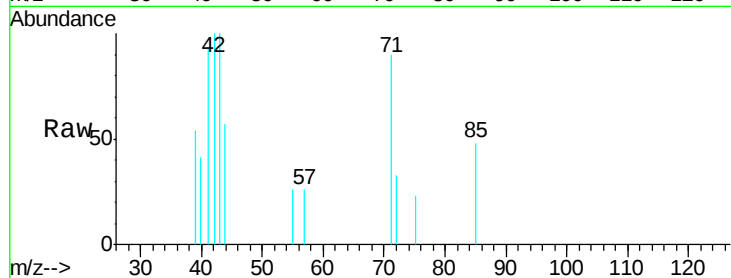




#29
Tetrahydrofuran
Concen: 0.654 ug/l
RT: 5.17 min Scan# 702
Delta R.T. 0.05 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

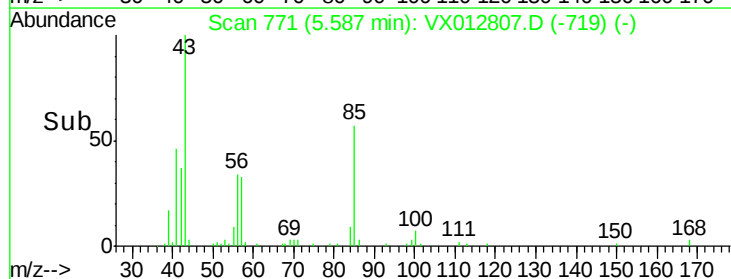
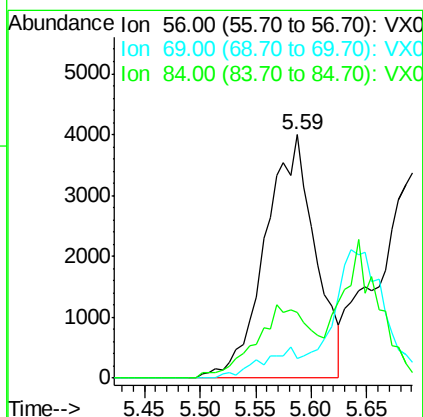
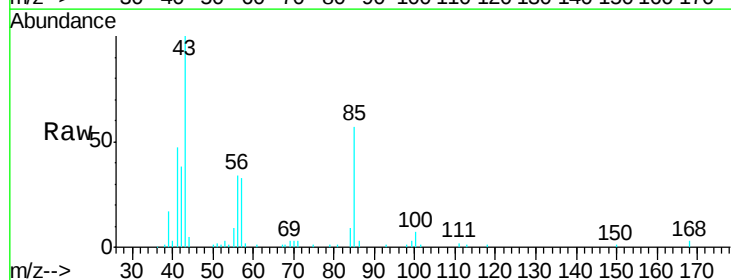
Instrument :
MSVOA_X
ClientSampled :
30440-30377

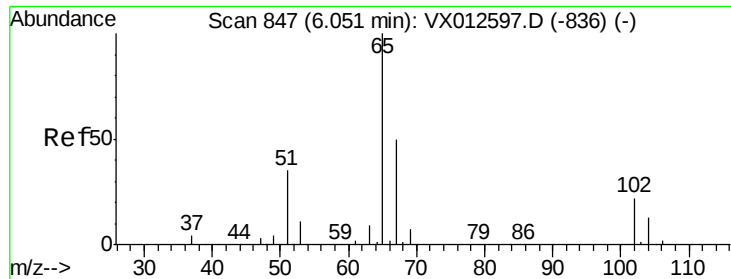
Tgt Ion: 42 Resp: 722
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 31.5 47.3#



#31
Cyclohexane
Concen: 3.753 ug/l
RT: 5.59 min Scan# 771
Delta R.T. 0.02 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 56 Resp: 12454
Ion Ratio Lower Upper
56 100
69 8.1 25.0 37.6#
84 26.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 44.449 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

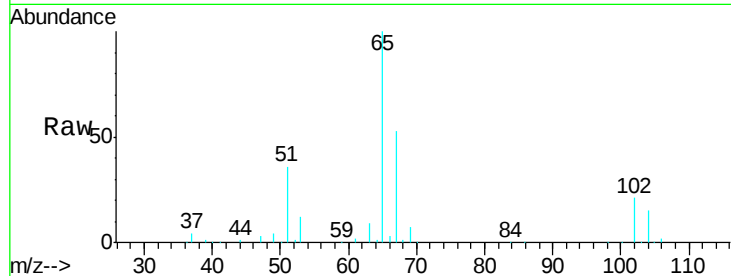
30440-30377

Tgt Ion: 65 Resp: 105961

Ion Ratio Lower Upper

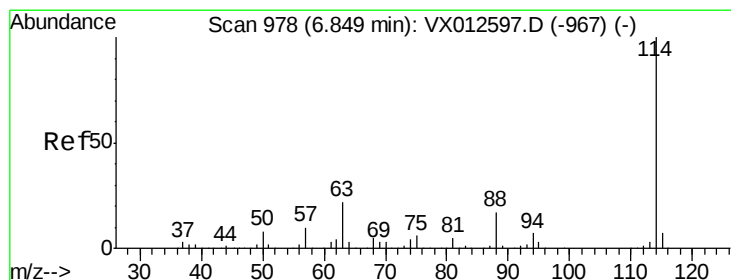
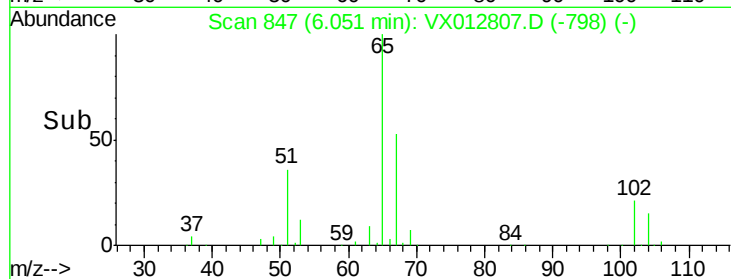
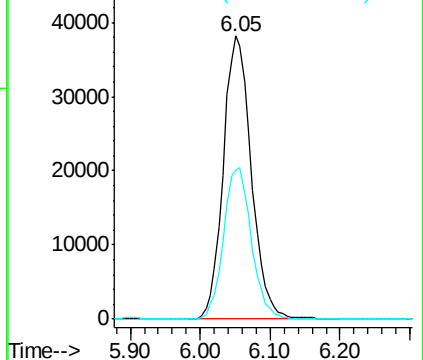
65 100

67 53.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

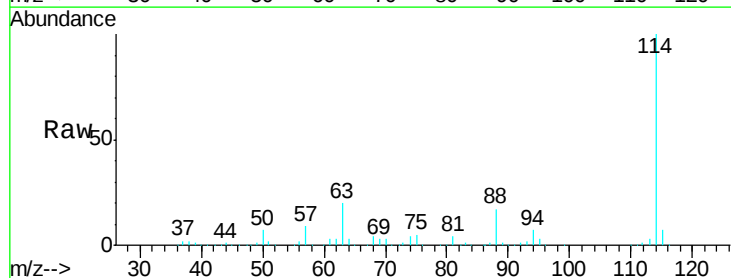
Tgt Ion: 114 Resp: 274435

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

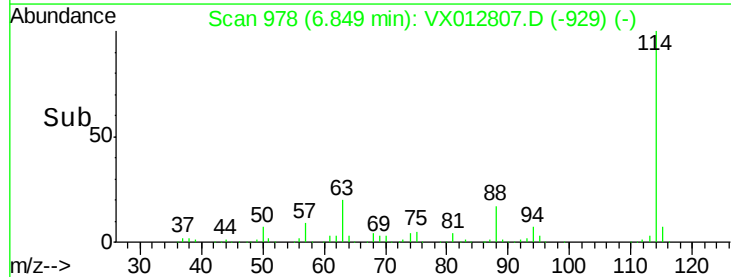
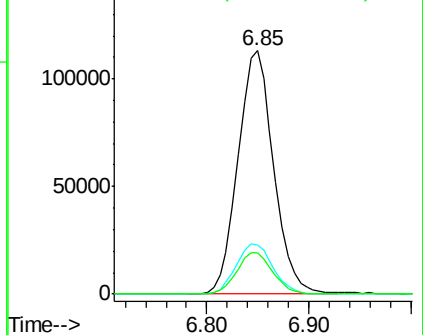
88 17.0 0.0 33.2

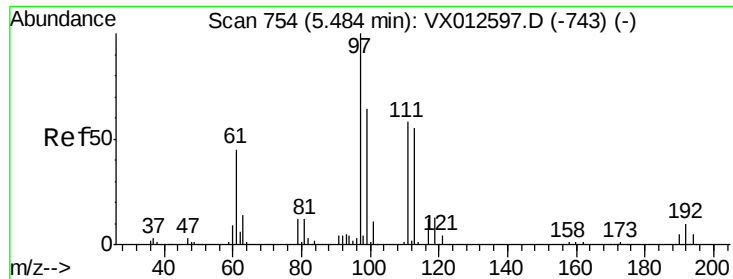


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

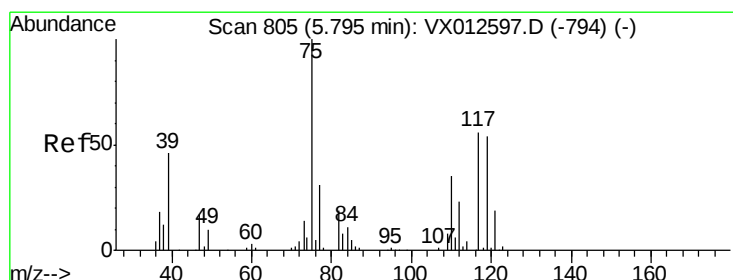
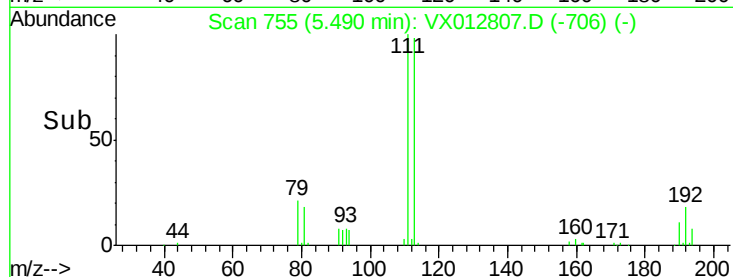
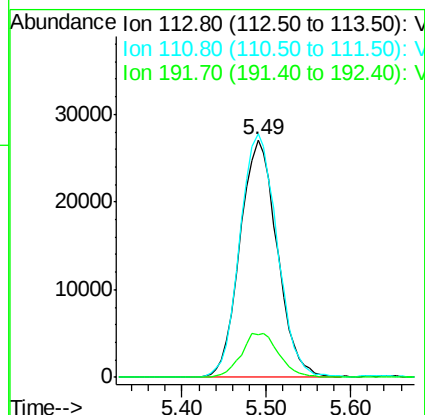
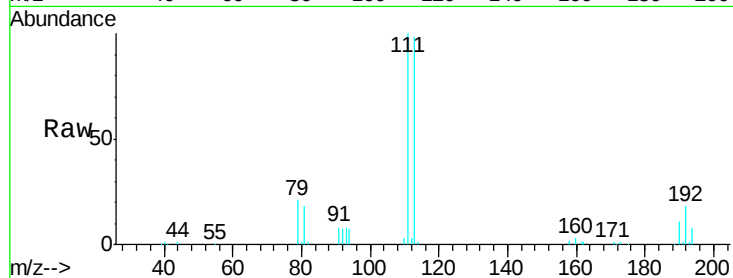




#35
Dibromofluoromethane
Concen: 49.532 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

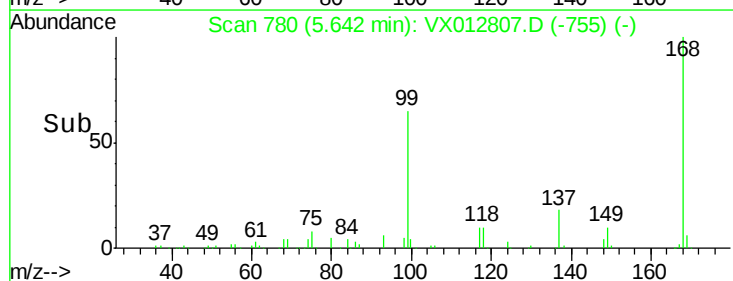
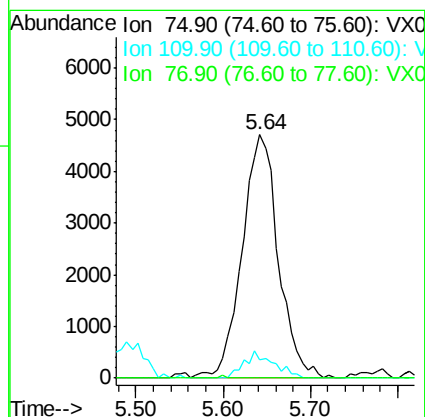
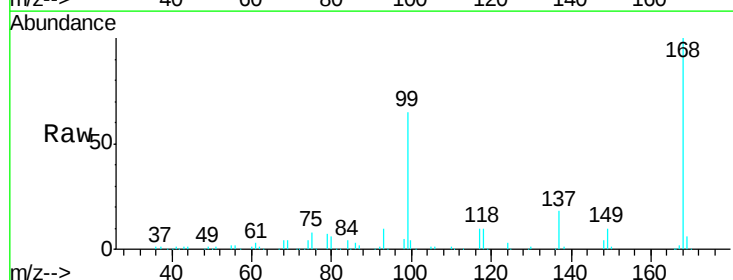
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

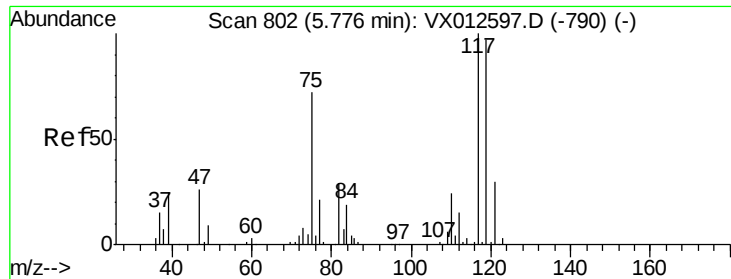
Tgt Ion:113 Resp: 80954
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.2
192 18.7 14.4 21.6



#36
1,1-Dichloropropene
Concen: 5.120 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 75 Resp: 13545
Ion Ratio Lower Upper
75 100
110 9.1 16.7 50.0#
77 0.0 24.2 36.2#

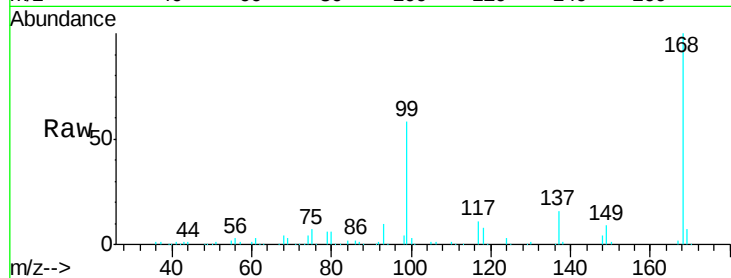




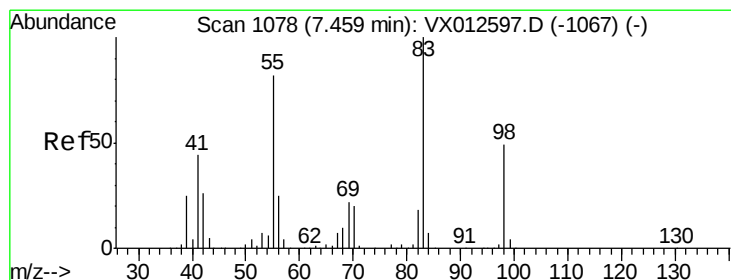
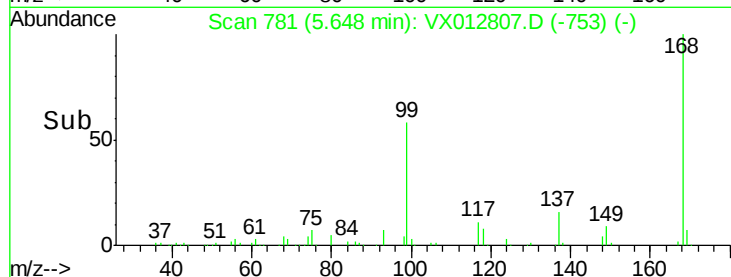
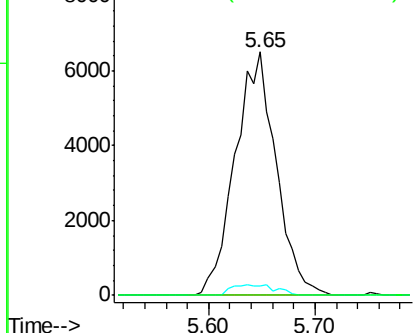
#38
Carbon Tetrachloride
Concen: 6.530 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tgt Ion: 117 Resp: 17547
Ion Ratio Lower Upper
117 100
119 4.1 75.7 113.5#
121 0.0 24.2 36.4#

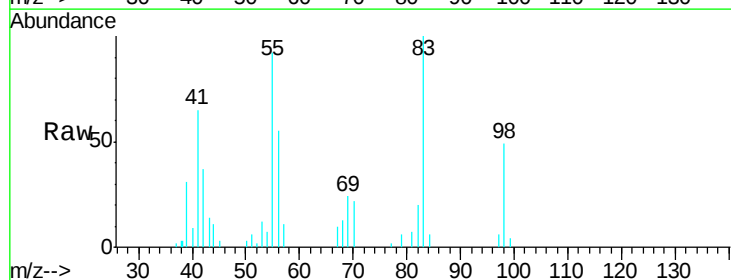


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

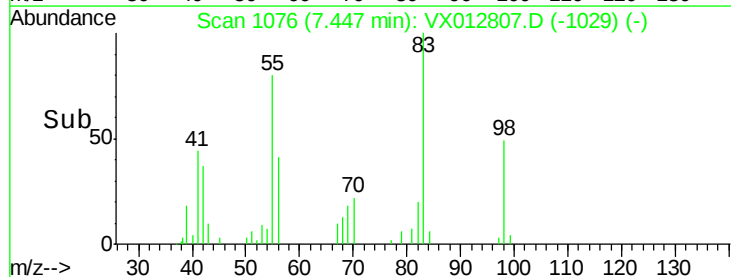
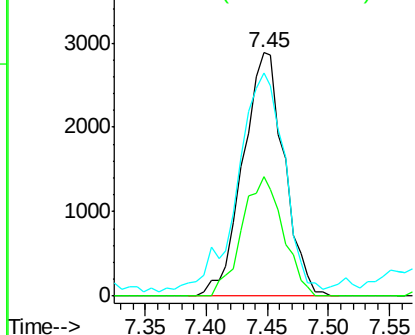


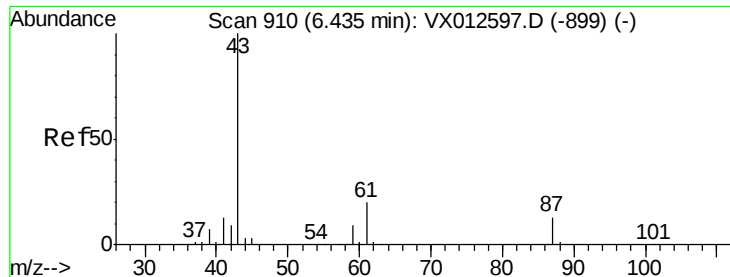
#39
Methylcyclohexane
Concen: 2.135 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 83 Resp: 6799
Ion Ratio Lower Upper
83 100
55 86.9 64.4 96.6
98 49.0 40.1 60.1



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





#43

Isopropyl Acetate

Concen: 1.368 ug/l

RT: 6.27 min Scan# 883

Delta R.T. -0.16 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

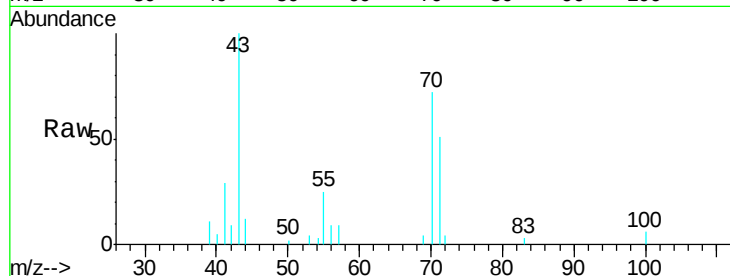
Tgt Ion: 43 Resp: 7075

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

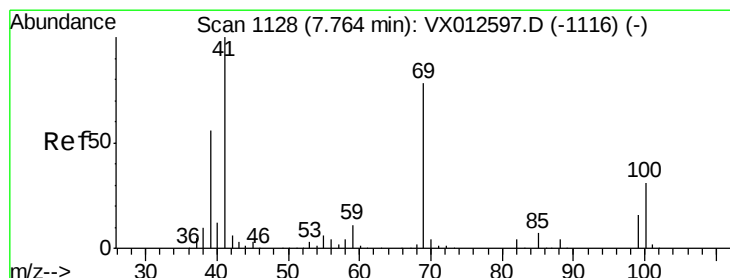
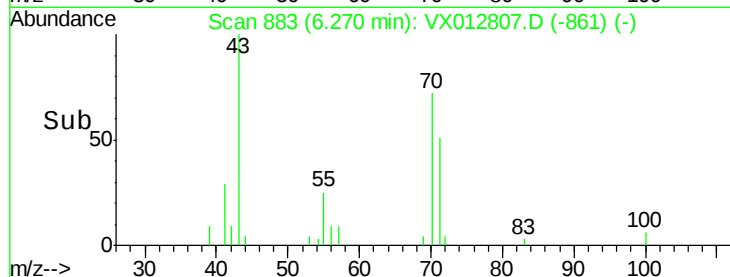
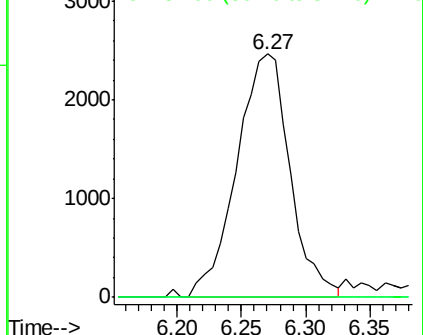
87 0.0 9.8 14.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 8.230 ug/l

RT: 7.78 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

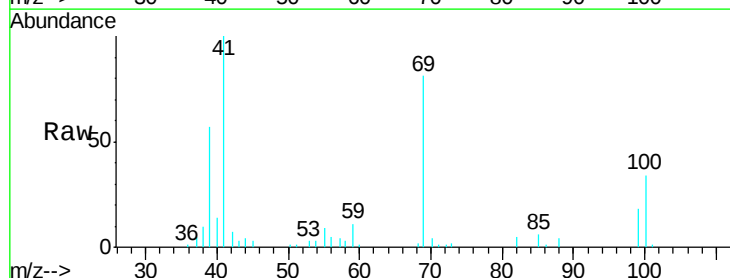
Tgt Ion: 41 Resp: 20410

Ion Ratio Lower Upper

41 100

69 82.6 59.9 89.9

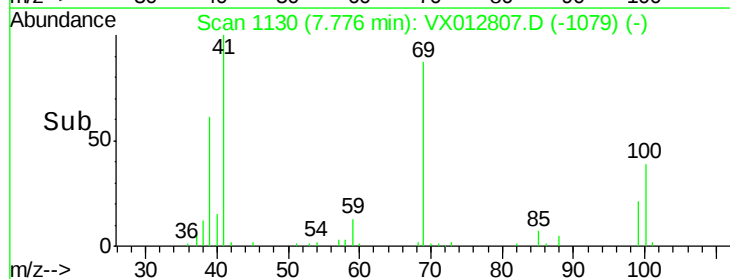
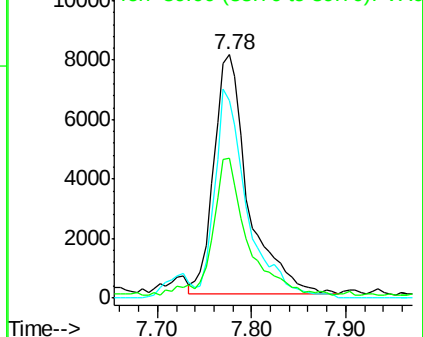
39 56.6 47.8 71.6

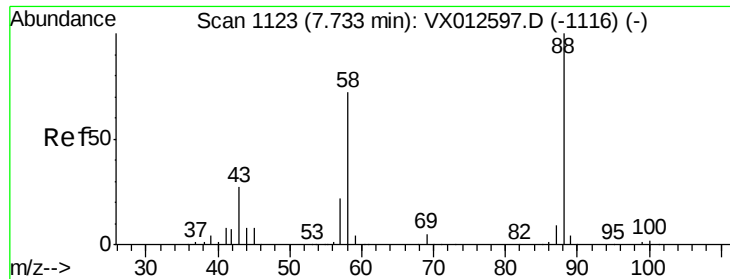


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

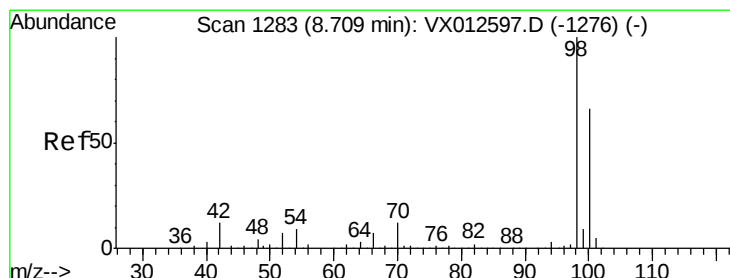
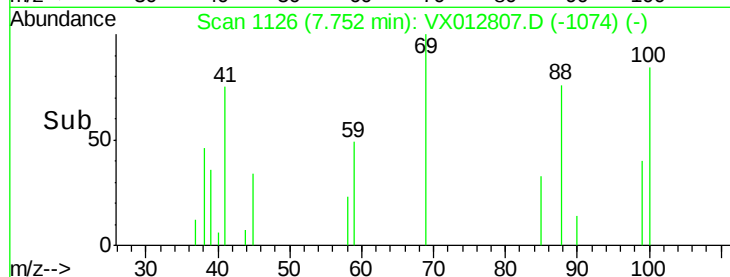
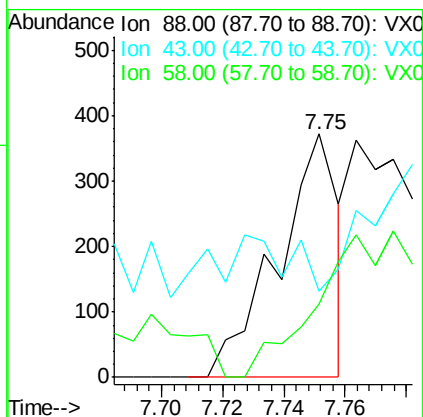
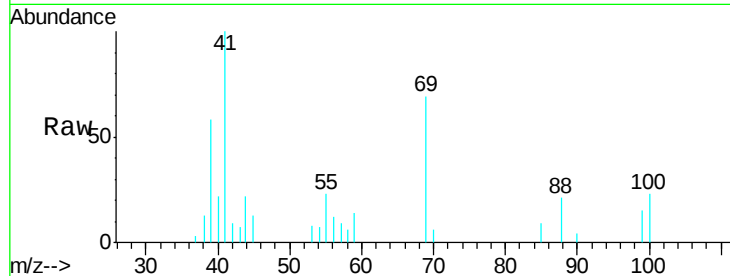




#49
1,4-Dioxane
Concen: 9.085 ug/l
RT: 7.75 min Scan# 1126
Delta R.T. 0.02 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

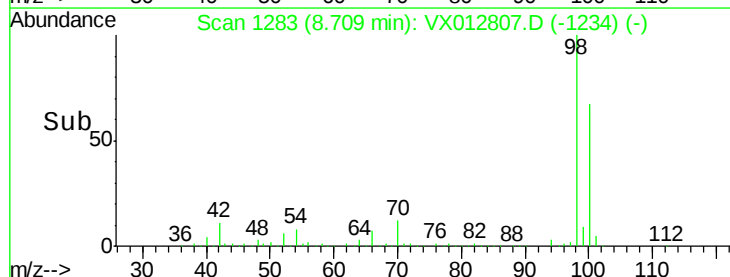
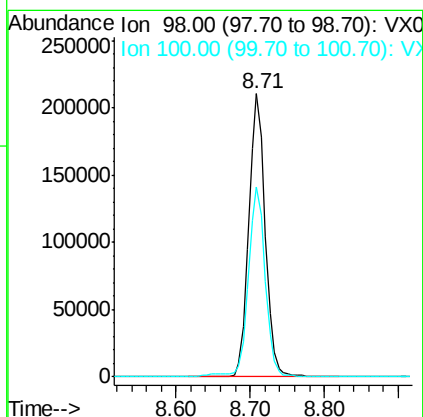
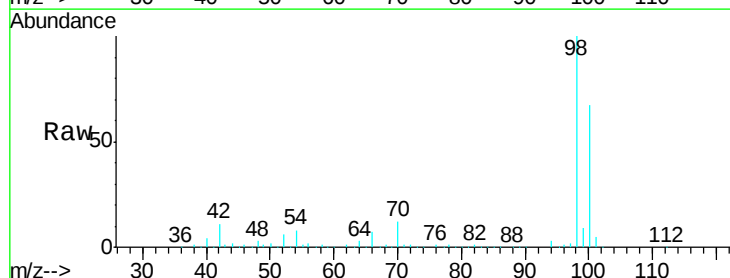
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

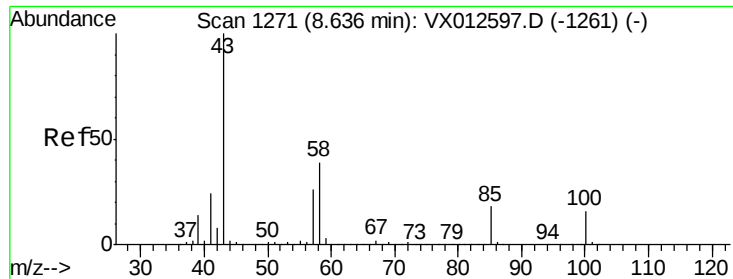
Tgt Ion: 88 Resp: 511
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 51.920 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 98 Resp: 326791
Ion Ratio Lower Upper
98 100
100 67.7 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 13.979 ug/l

RT: 8.65 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

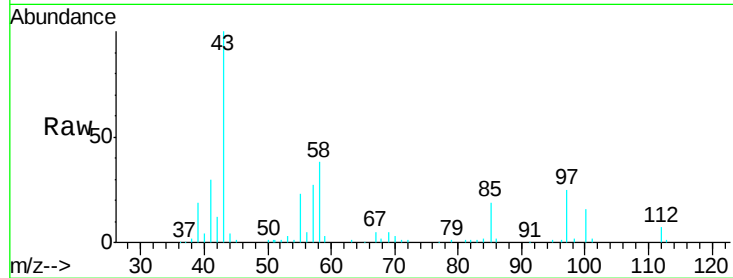
30440-30377

Tgt Ion: 43 Resp: 44627

Ion Ratio Lower Upper

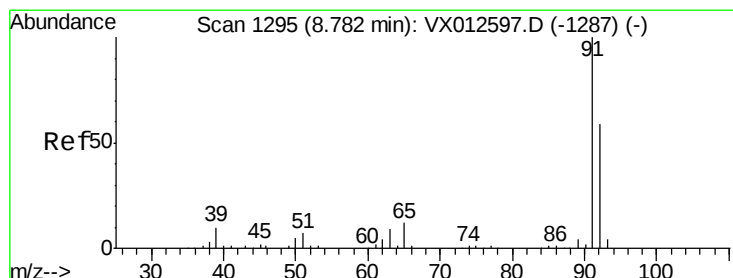
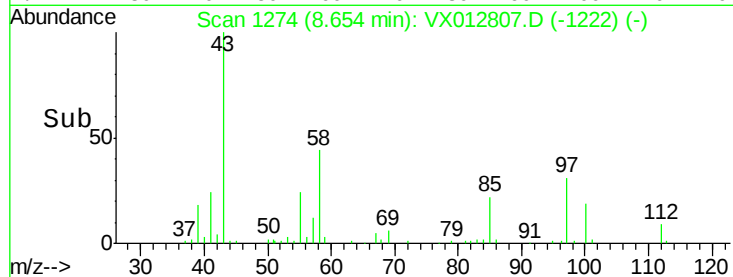
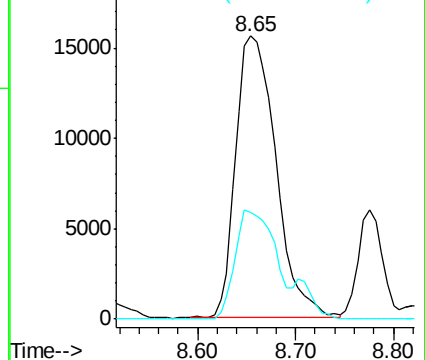
43 100

58 39.0 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 157.165 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012807.D

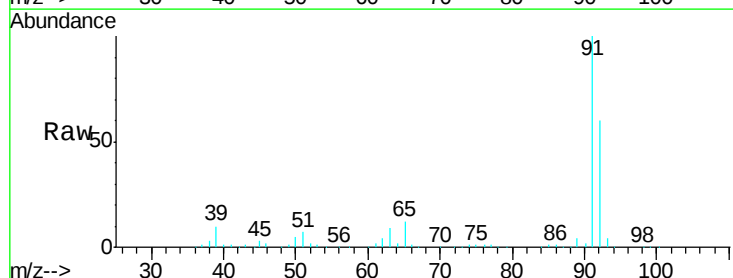
Acq: 04 Oct 2019 13:28

Tgt Ion: 92 Resp: 768811

Ion Ratio Lower Upper

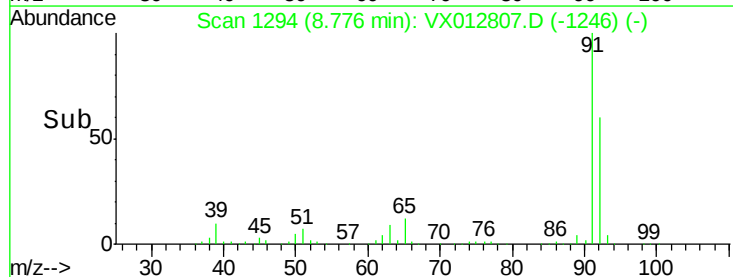
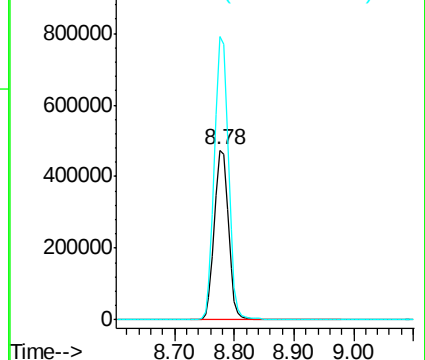
92 100

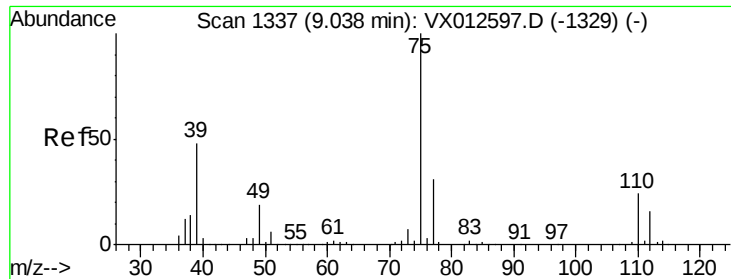
91 166.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

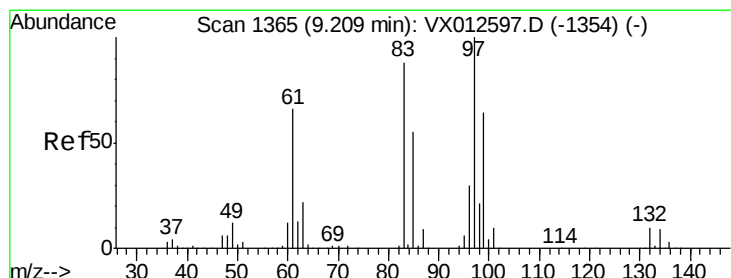
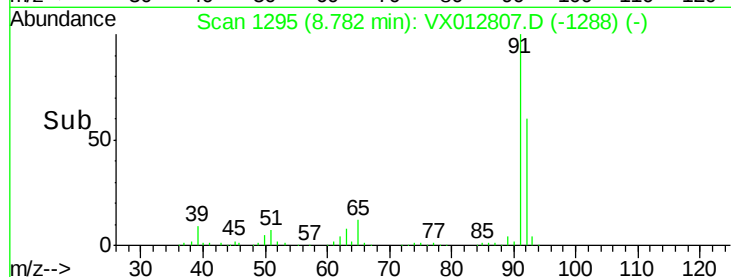
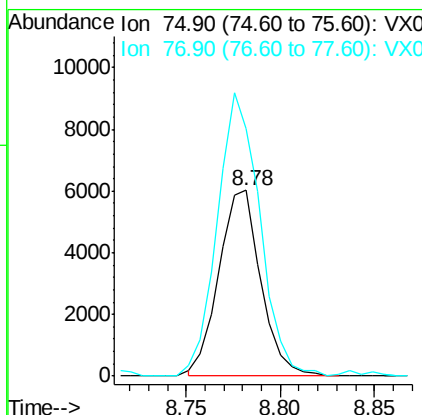
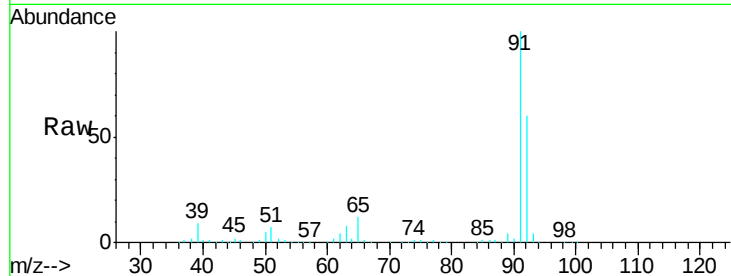




#53
t-1,3-Dichloropropene
Concen: 3.096 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.26 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

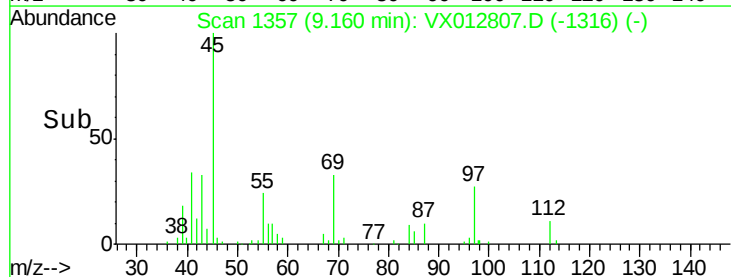
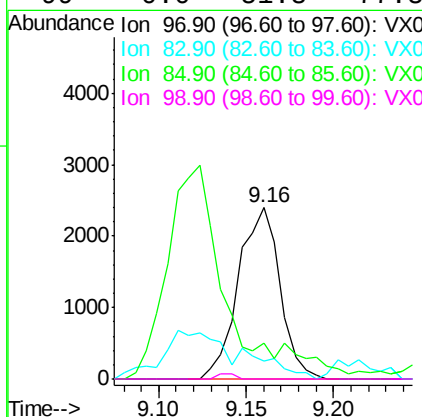
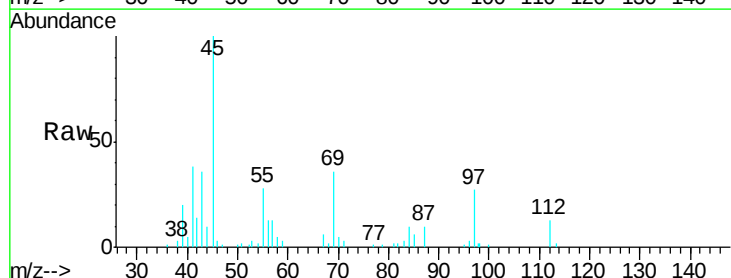
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

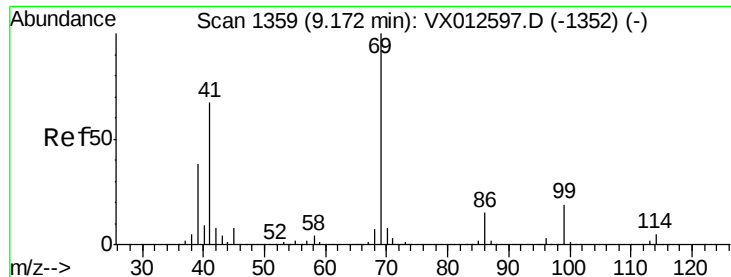
Tgt Ion: 75 Resp: 9287
Ion Ratio Lower Upper
75 100
77 132.4 25.2 37.8#



#55
1,1,2-Trichloroethane
Concen: 2.040 ug/l
RT: 9.16 min Scan# 1357
Delta R.T. -0.05 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 97 Resp: 3967
Ion Ratio Lower Upper
97 100
83 0.0 67.4 101.2#
85 14.4 43.5 65.3#
99 0.0 51.8 77.8#





#56

Ethyl methacrylate

Concen: 28.256 ug/l

RT: 9.12 min Scan# 1350

Delta R.T. -0.05 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

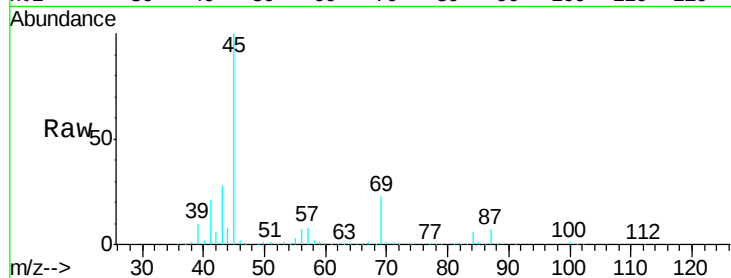
Tgt Ion: 69 Resp: 92319

Ion Ratio Lower Upper

69 100

41 90.5 58.4 87.6#

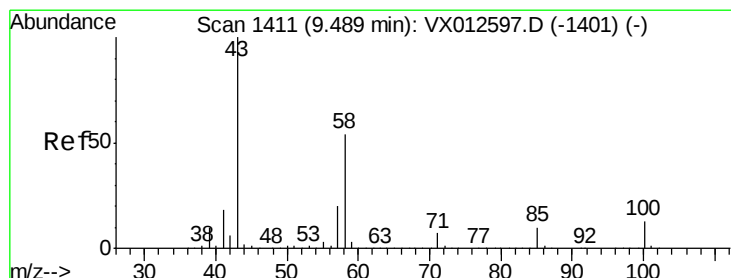
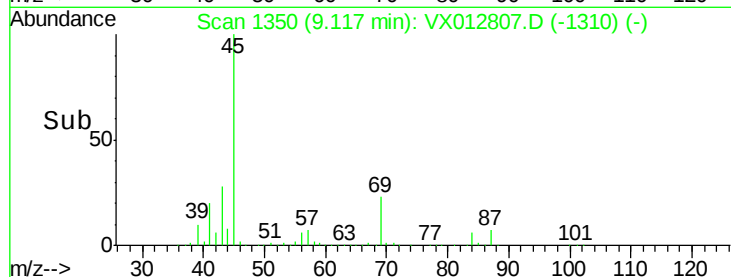
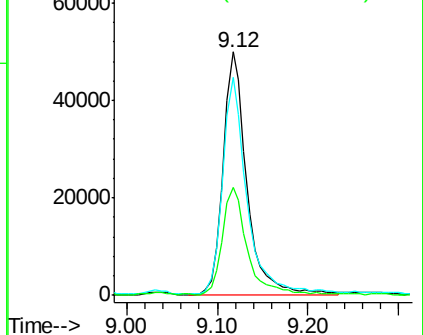
39 45.9 33.4 50.0



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.984 ug/l

RT: 9.51 min Scan# 1414

Delta R.T. 0.02 min

Lab File: VX012807.D

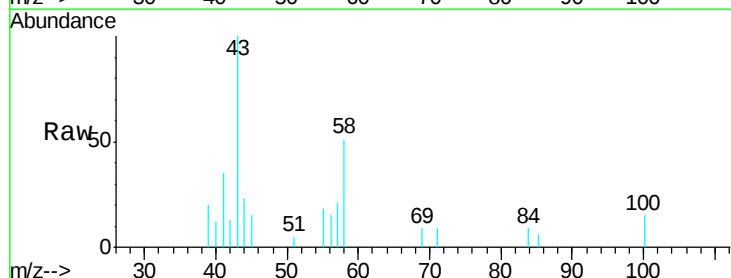
Acq: 04 Oct 2019 13:28

Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

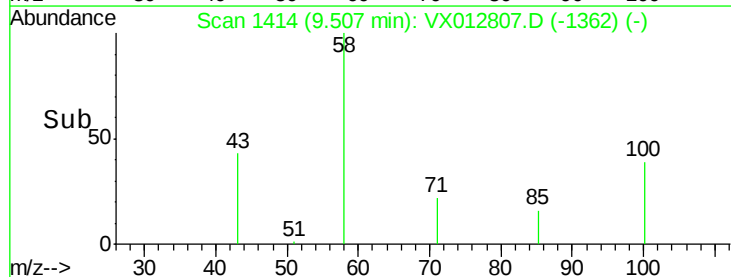
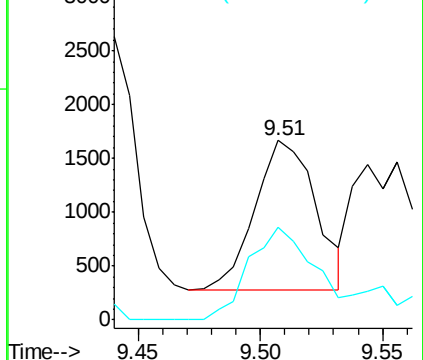
43 100

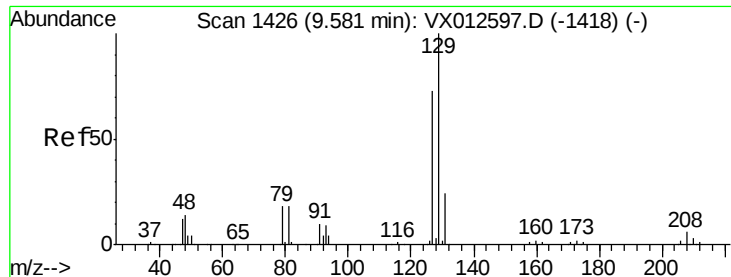
58 69.3 25.7 77.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

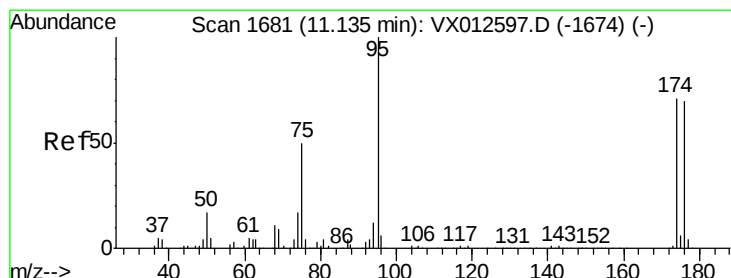
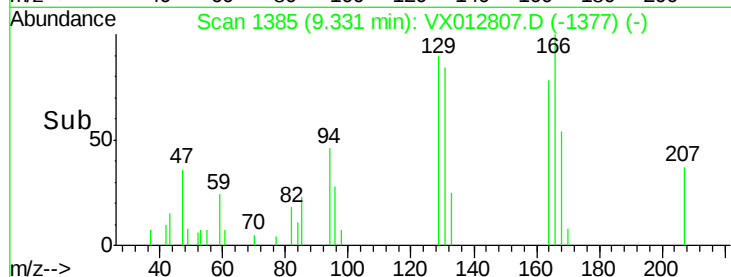
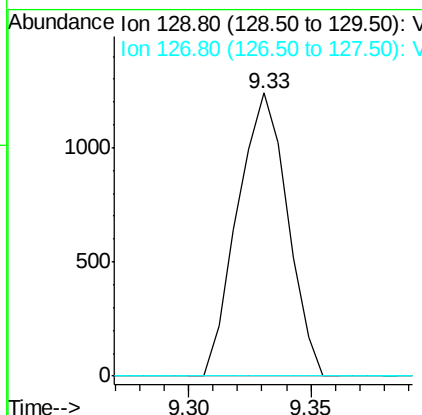
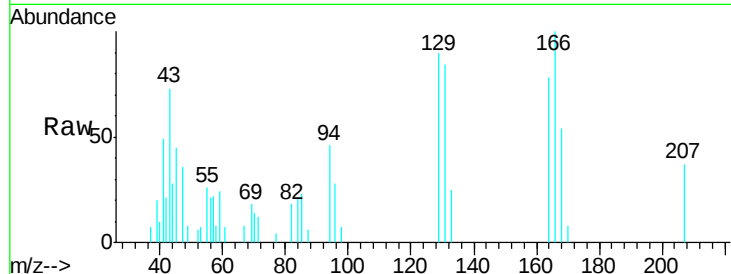




#60
Dibromochloromethane
Concen: 0.893 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.25 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

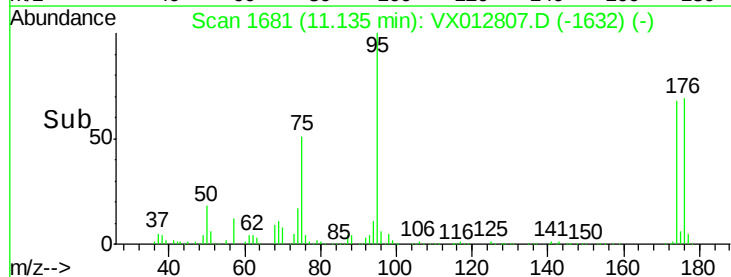
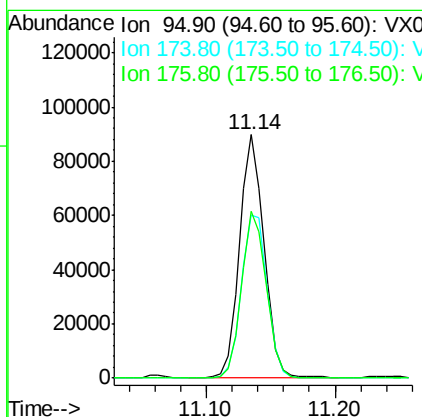
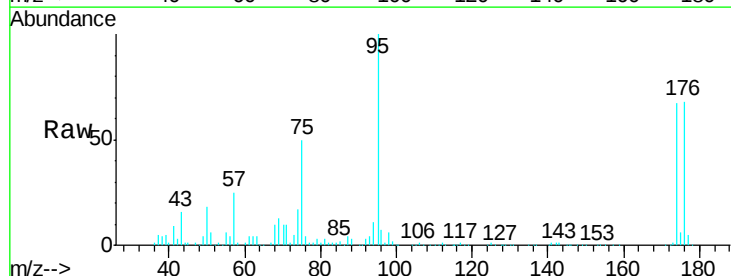
Instrument :
MSVOA_X
ClientSampled :
30440-30377

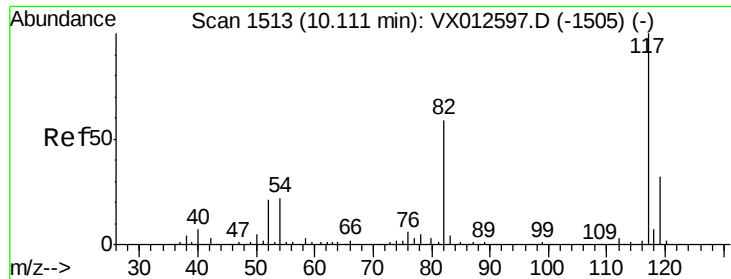
Tgt Ion: 129 Resp: 1758
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 47.447 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 95 Resp: 117424
Ion Ratio Lower Upper
95 100
174 70.5 0.0 140.0
176 69.0 0.0 135.4

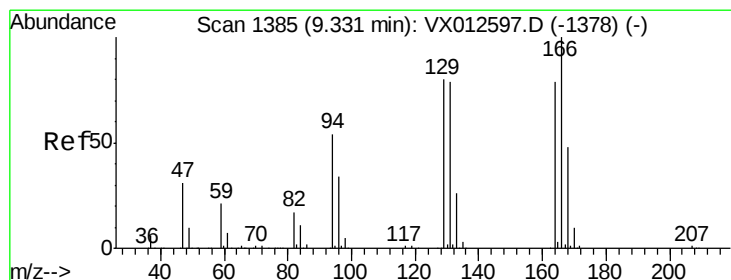
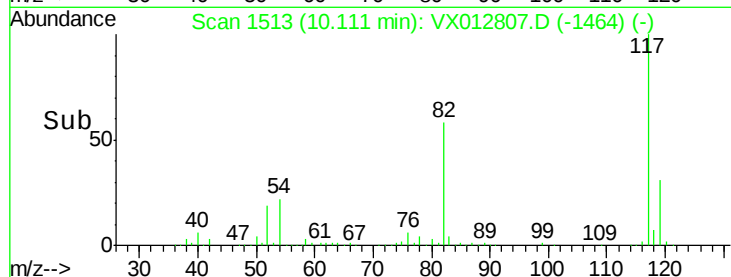
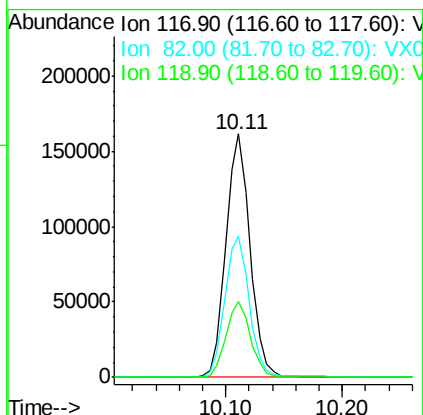
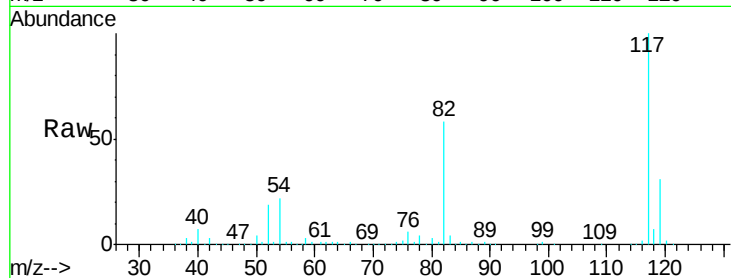




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

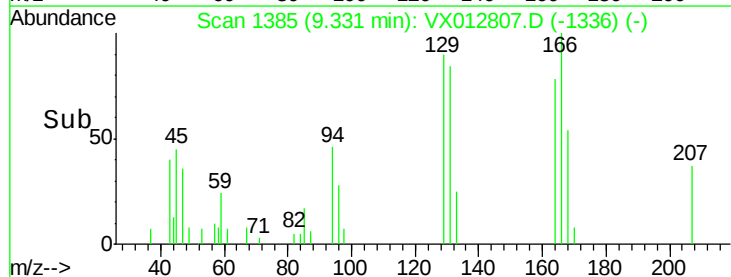
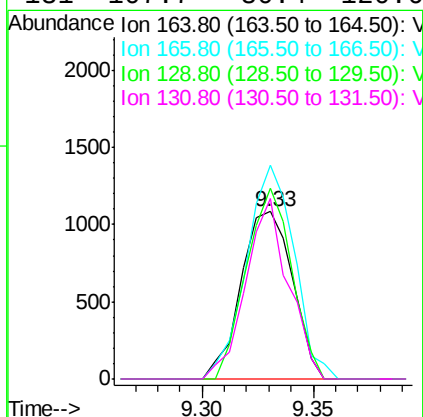
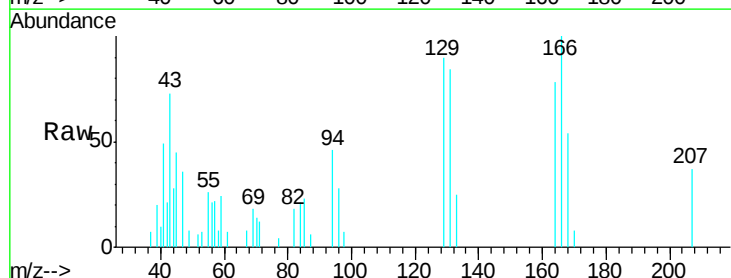
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

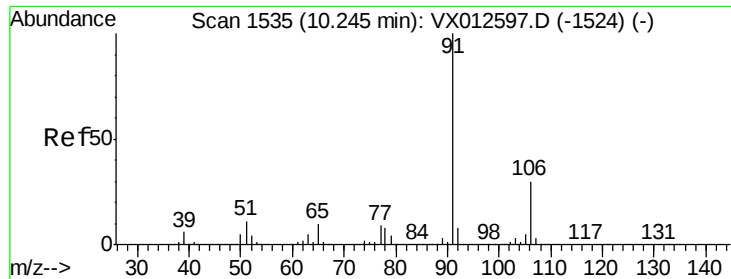
Tgt Ion:117 Resp: 233377
Ion Ratio Lower Upper
117 100
82 57.6 45.9 68.9
119 31.4 25.3 37.9



#64
Tetrachloroethene
Concen: 1.070 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion:164 Resp: 1741
Ion Ratio Lower Upper
164 100
166 127.7 107.8 161.6
129 114.3 86.2 129.2
131 107.7 80.4 120.6

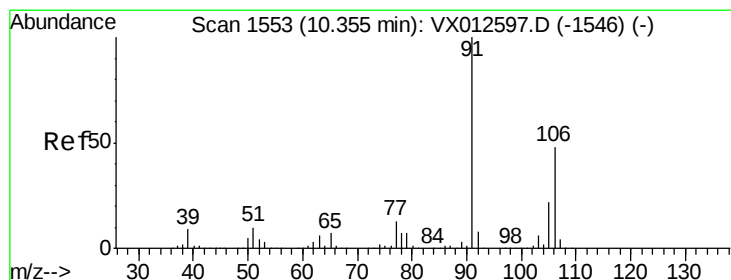
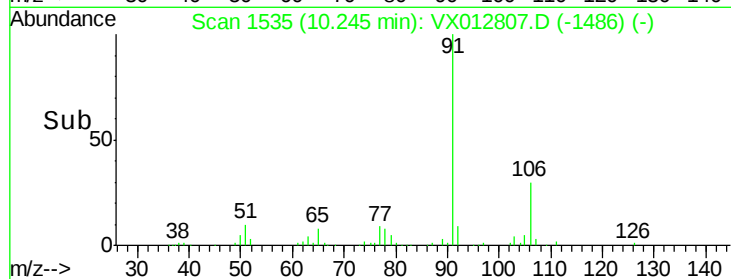
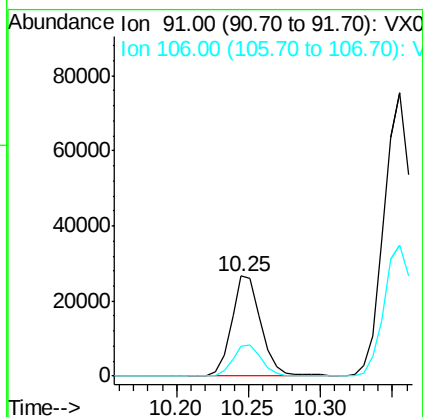
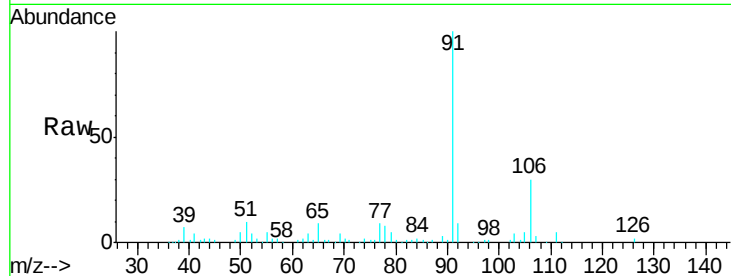




#67
Ethyl Benzene
Concen: 4.279 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

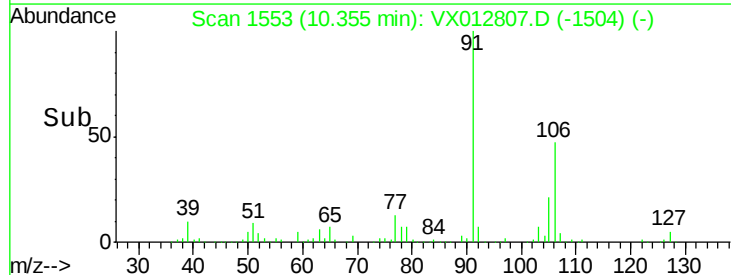
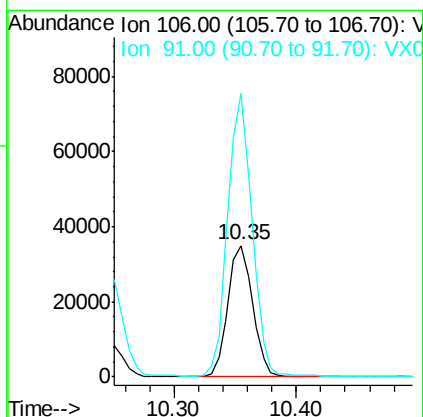
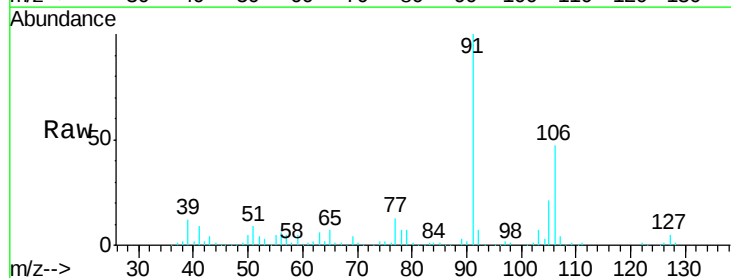
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

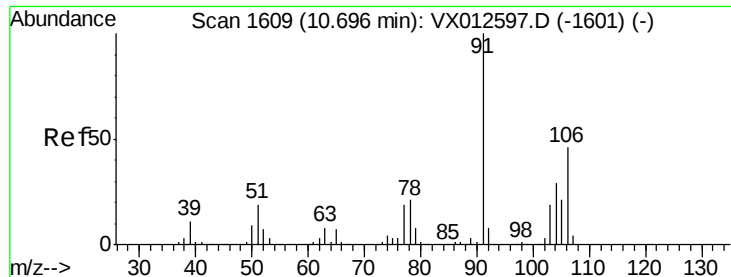
Tgt Ion: 91 Resp: 38142
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0



#68
m/p-Xylenes
Concen: 14.784 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion: 106 Resp: 49363
Ion Ratio Lower Upper
106 100
91 212.3 166.6 250.0

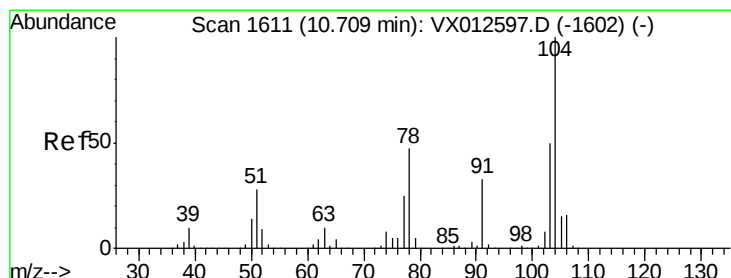
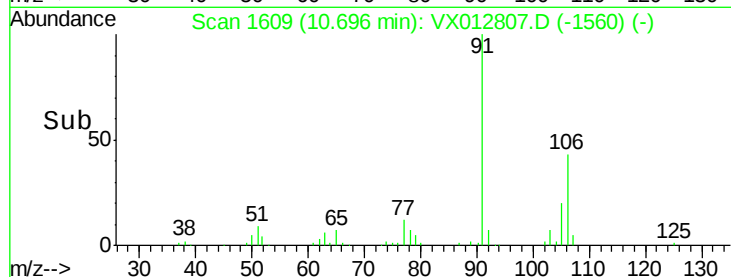
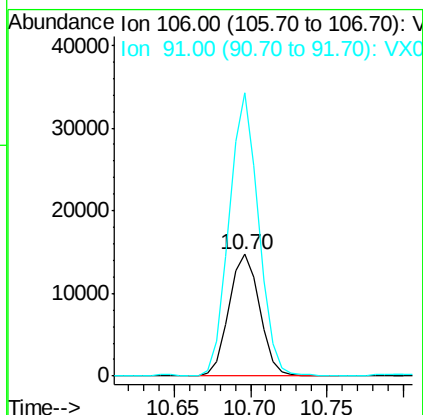
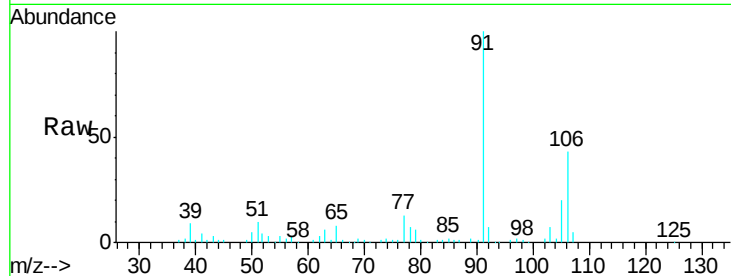




#69
o-Xylene
Concen: 6.365 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

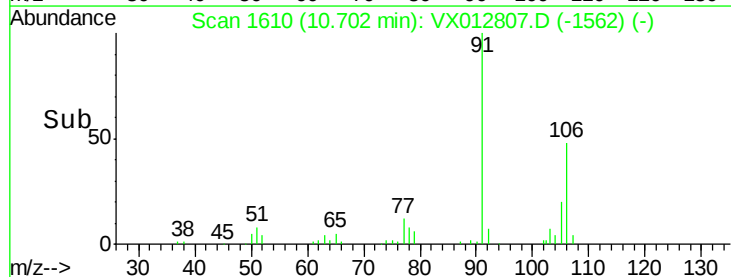
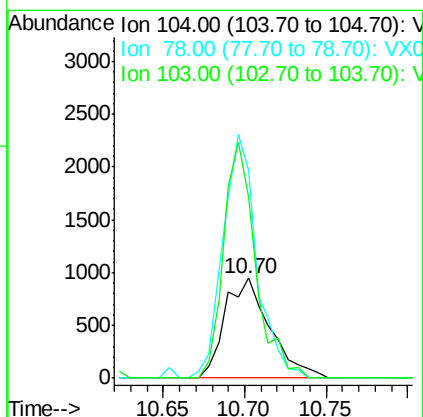
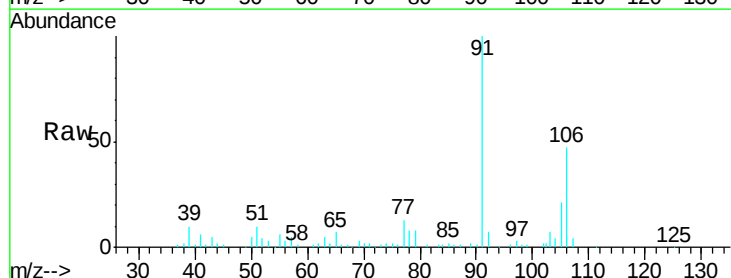
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

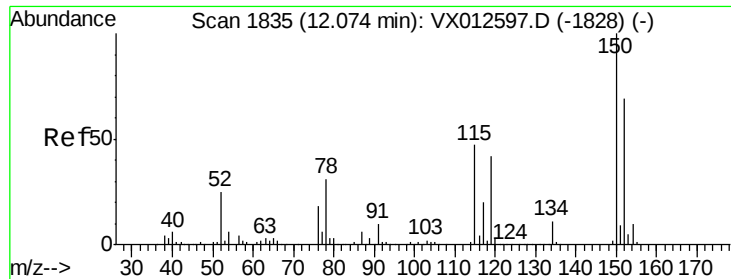
Tgt Ion:106 Resp: 20564
Ion Ratio Lower Upper
106 100
91 222.8 109.4 328.2



#70
Styrene
Concen: 0.335 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion:104 Resp: 1816
Ion Ratio Lower Upper
104 100
78 183.4 43.4 65.2#
103 168.0 43.3 64.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

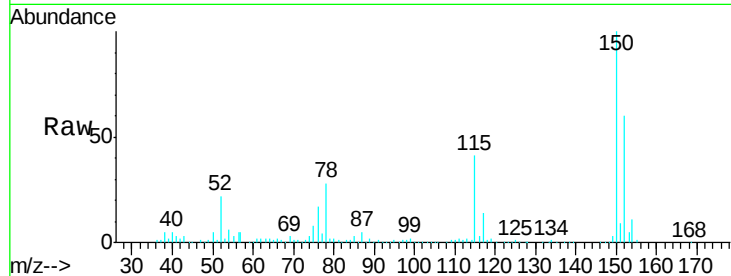
Tgt Ion:152 Resp: 99772

Ion Ratio Lower Upper

152 100

115 66.0 44.1 132.3

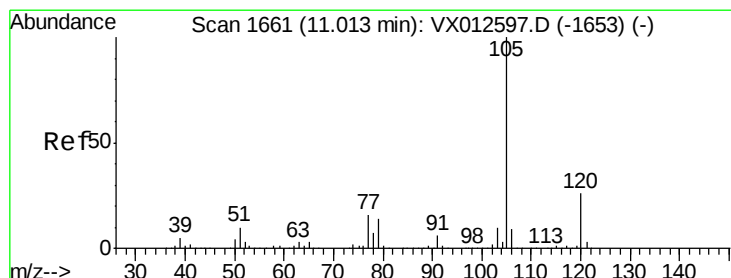
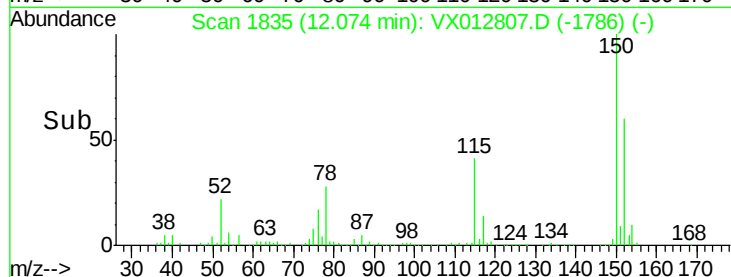
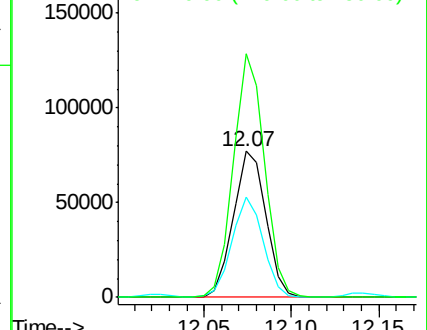
150 159.1 0.0 343.8



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: 1.563 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012807.D

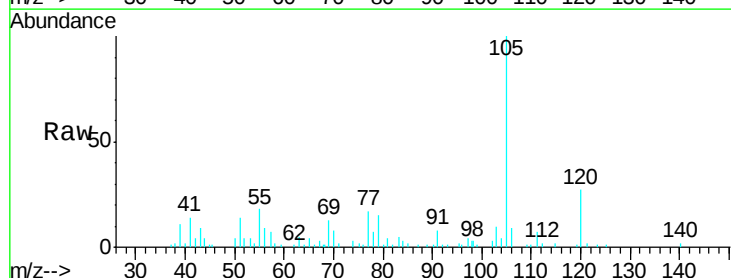
Acq: 04 Oct 2019 13:28

Tgt Ion:105 Resp: 12703

Ion Ratio Lower Upper

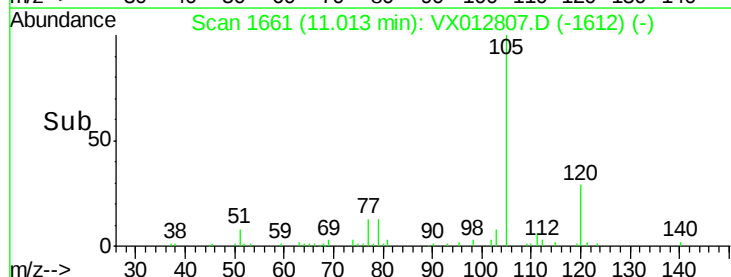
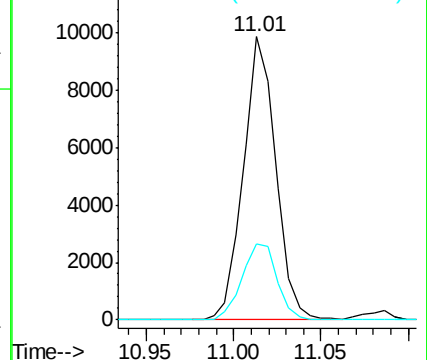
105 100

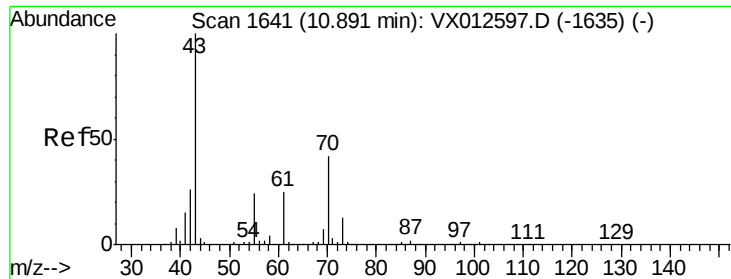
120 28.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 1.976 ug/l

RT: 10.91 min Scan# 1644

Delta R.T. 0.02 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tgt Ion: 43 Resp: 7661

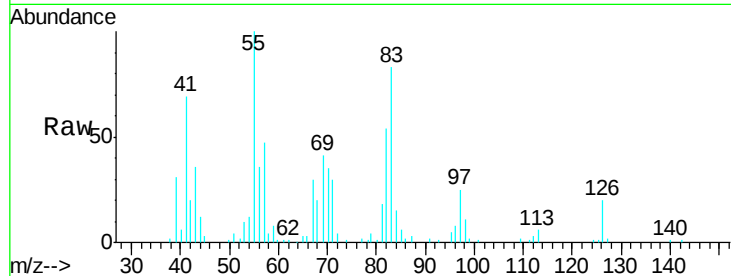
Ion Ratio Lower Upper

43 100

70 86.5 32.4 48.6#

55 282.2 18.2 27.4#

61 0.0 18.5 27.7#

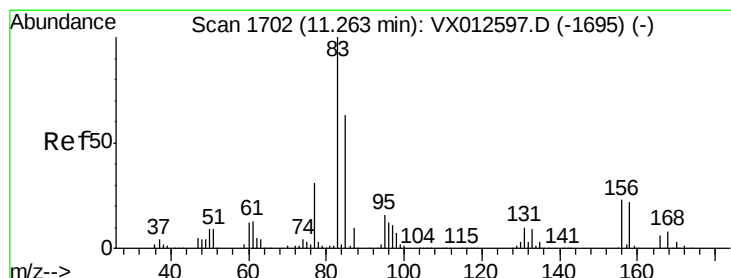
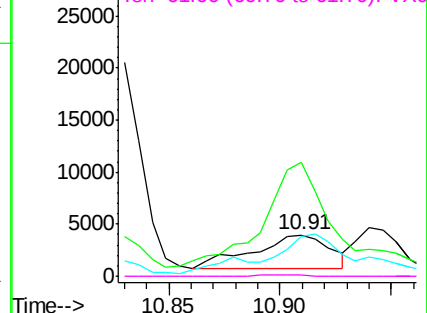
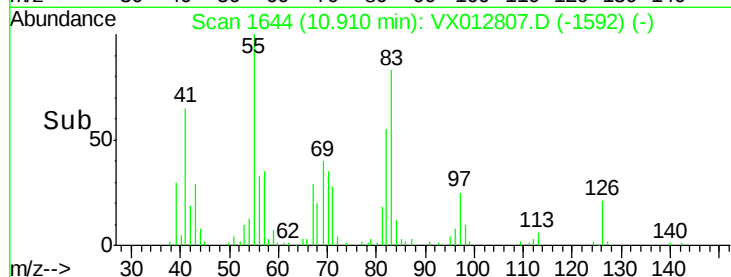


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.752 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

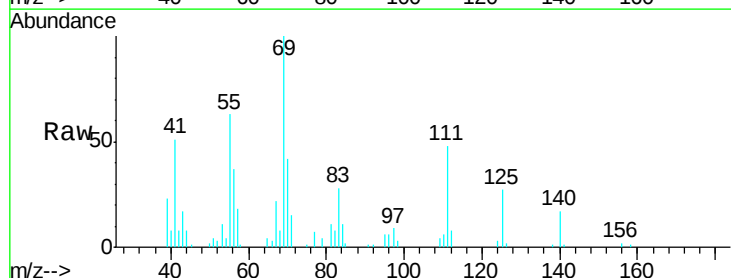
Tgt Ion: 83 Resp: 2023

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

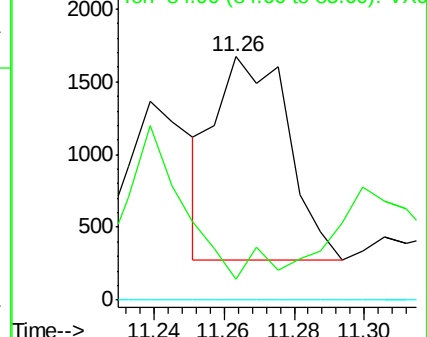
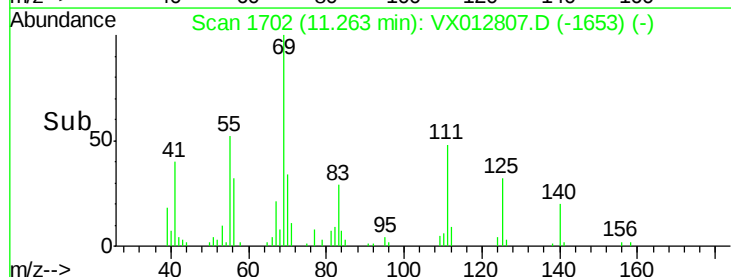
85 0.0 32.0 96.0#

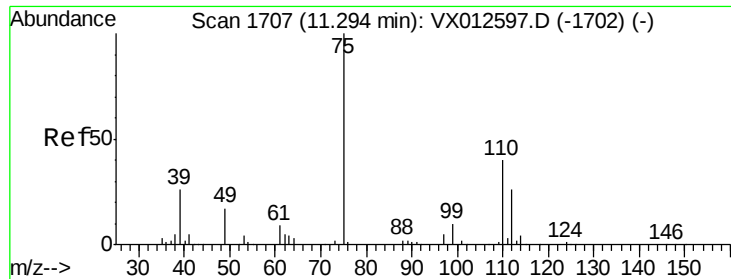


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

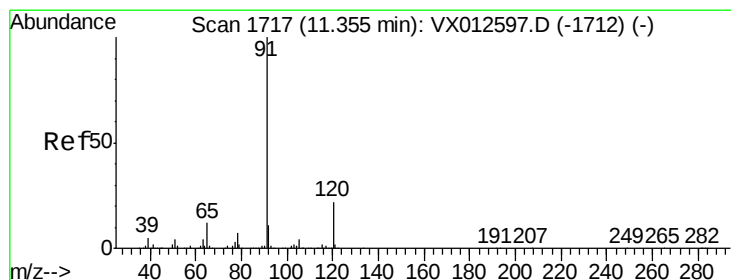
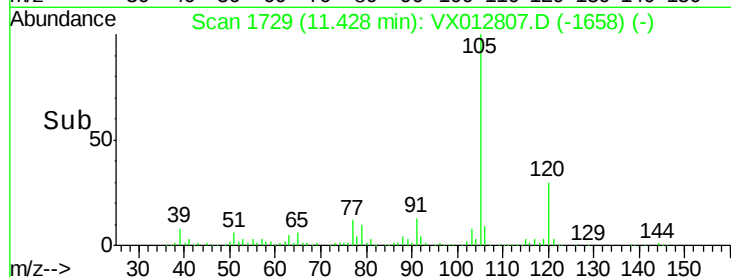
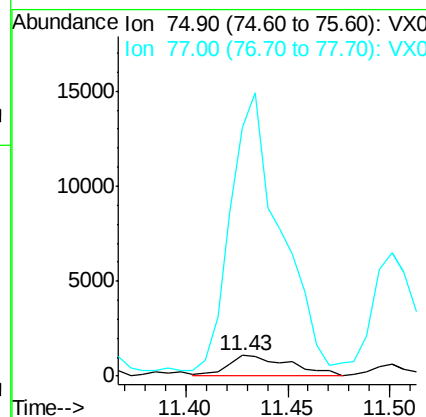
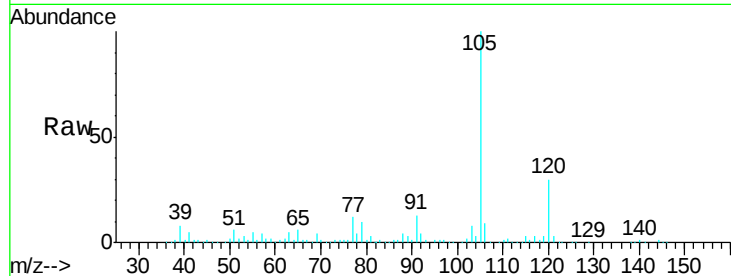




#76
 1,2,3-Trichloropropane
 Concen: 0.781 ug/l
 RT: 11.43 min Scan# 1729
 Delta R.T. 0.13 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

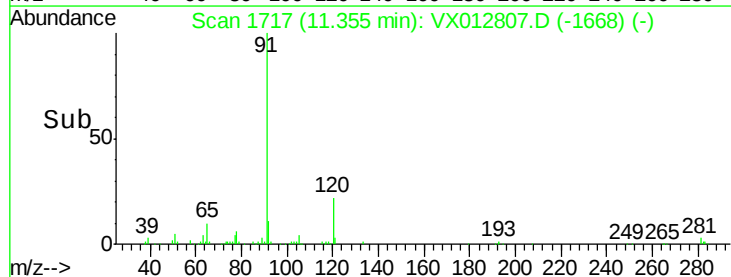
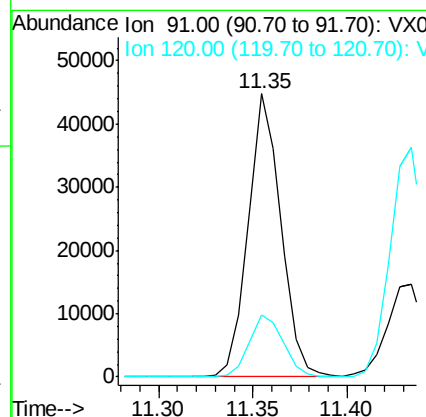
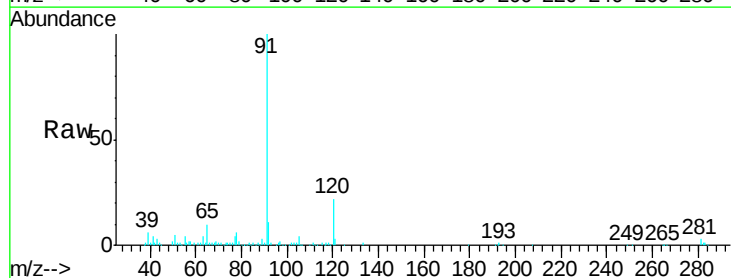
Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

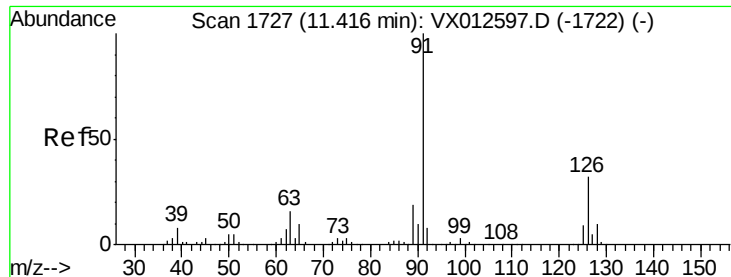
Tgt Ion: 75 Resp: 2061
 Ion Ratio Lower Upper
 75 100
 77 1226.2 19.7 59.0#



#78
 n-propylbenzene
 Concen: 5.880 ug/l
 RT: 11.35 min Scan# 1717
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion: 91 Resp: 53797
 Ion Ratio Lower Upper
 91 100
 120 22.8 11.3 33.8

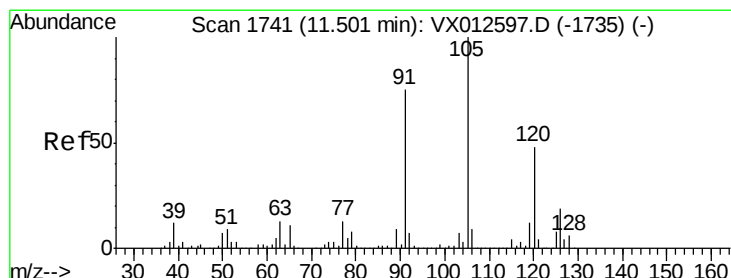
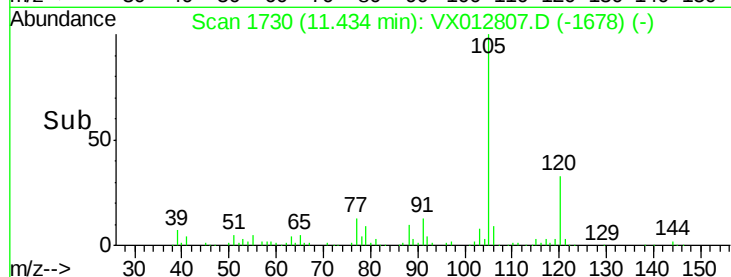
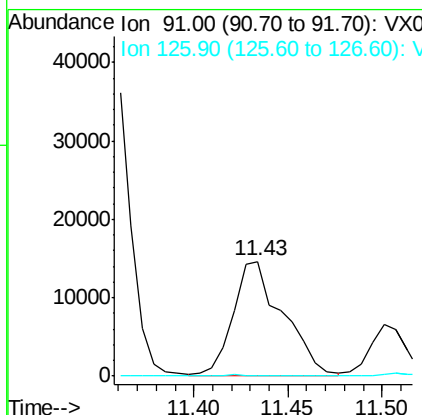
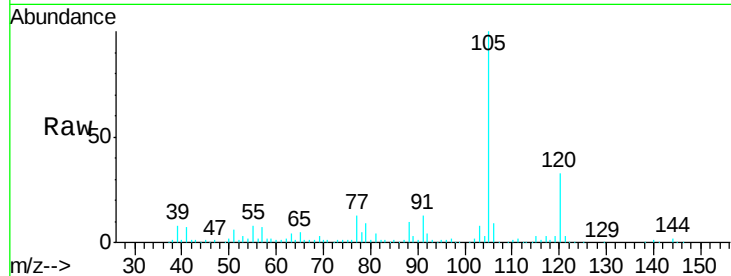




#79
 2-Chlorotoluene
 Concen: 4.668 ug/l
 RT: 11.43 min Scan# 1730
 Delta R.T. 0.02 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

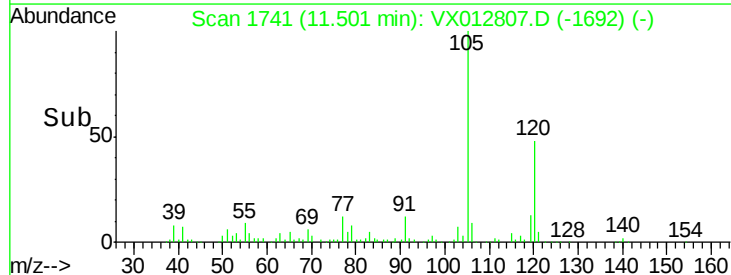
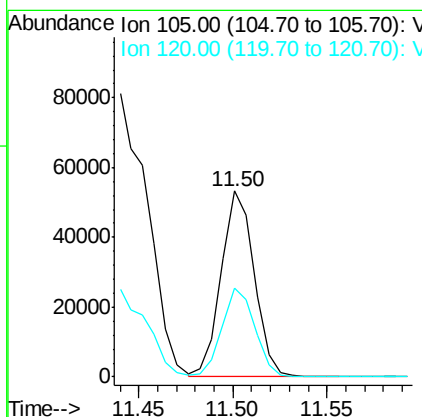
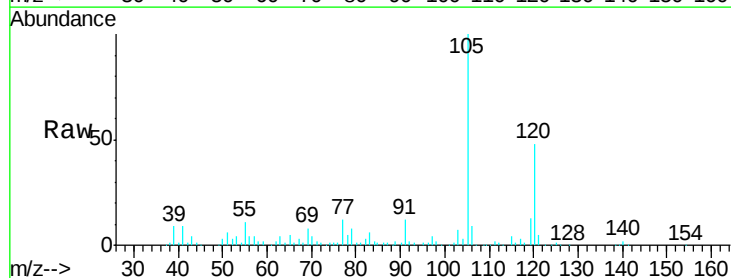
Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

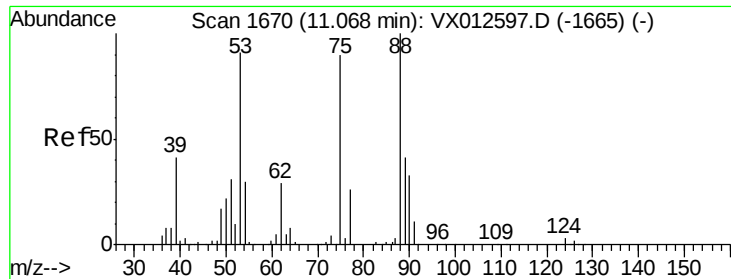
Tgt Ion: 91 Resp: 26639
 Ion Ratio Lower Upper
 91 100
 126 0.6 16.4 49.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 9.545 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion: 105 Resp: 65041
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 31.192 ug/l

RT: 11.08 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

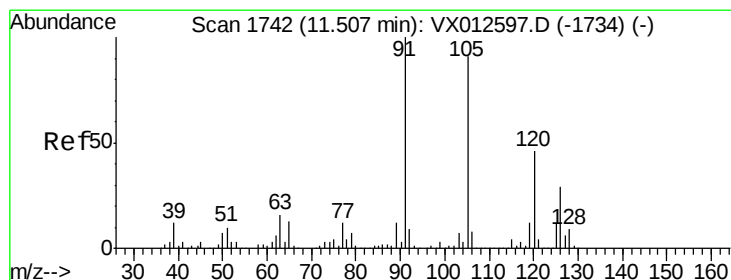
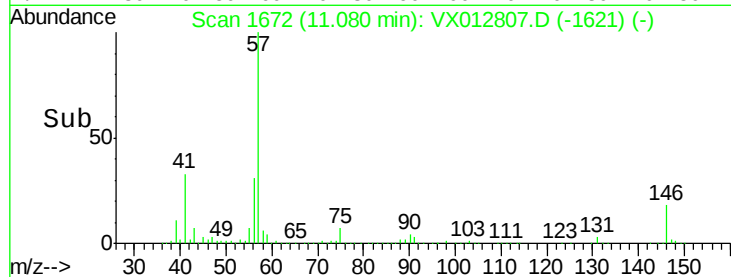
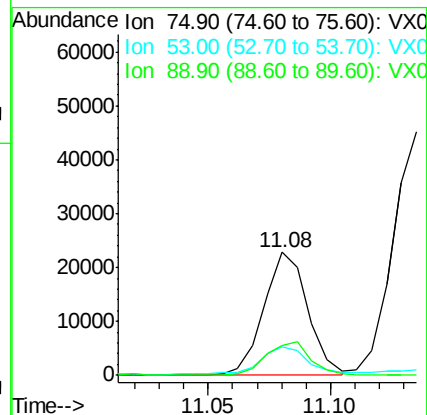
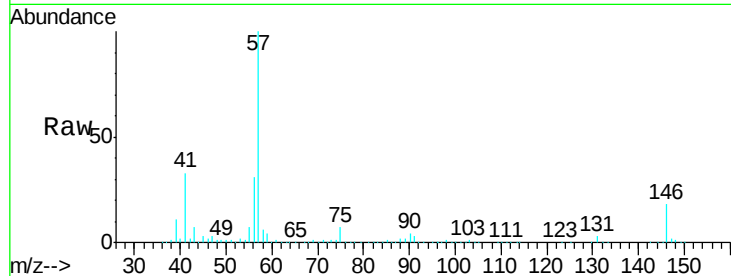
Tgt Ion: 75 Resp: 28726

Ion Ratio Lower Upper

75 100

53 24.1 83.6 125.4#

89 27.4 36.3 54.5#



#82

4-Chlorotoluene

Concen: 1.346 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX012807.D

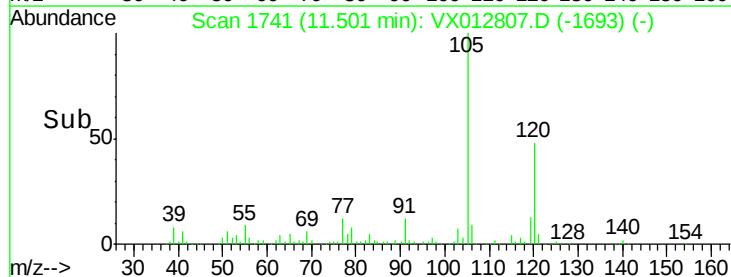
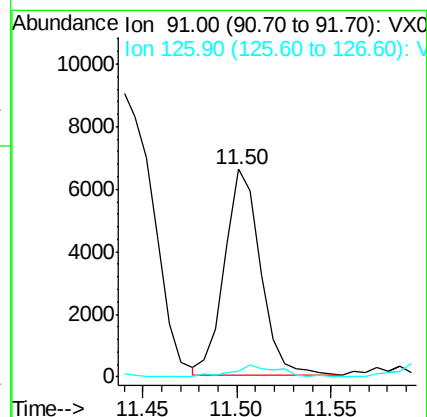
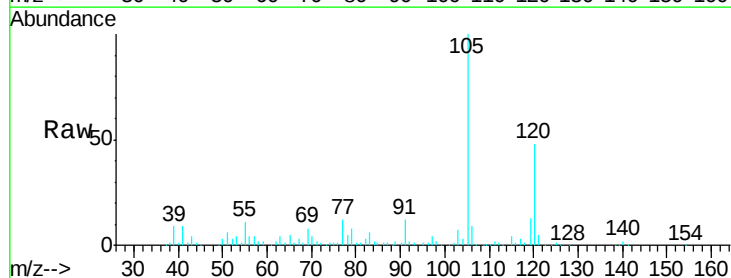
Acq: 04 Oct 2019 13:28

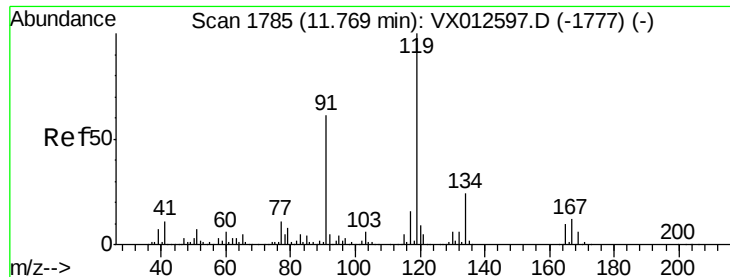
Tgt Ion: 91 Resp: 8754

Ion Ratio Lower Upper

91 100

126 7.2 14.4 43.0#

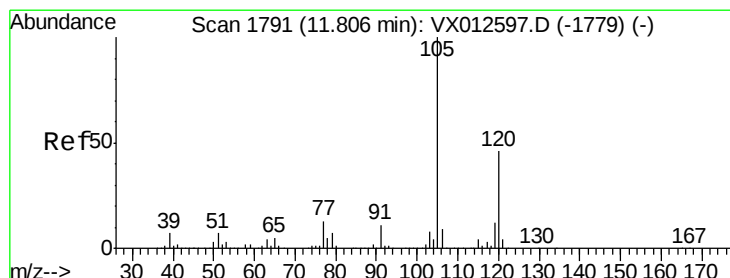
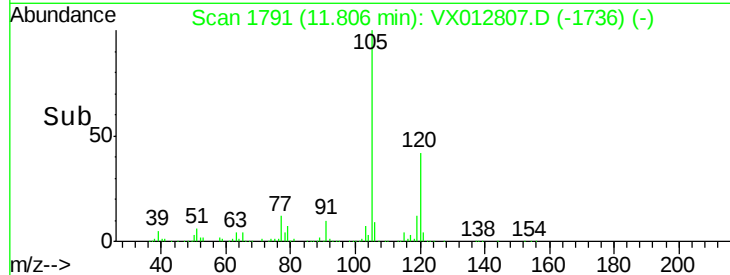
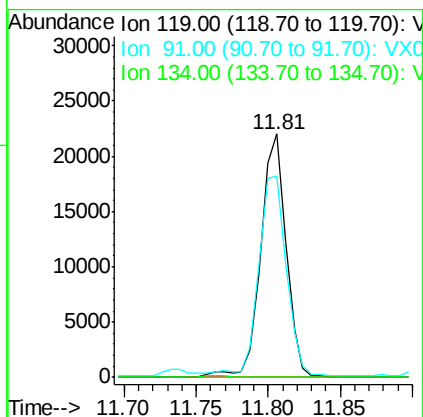
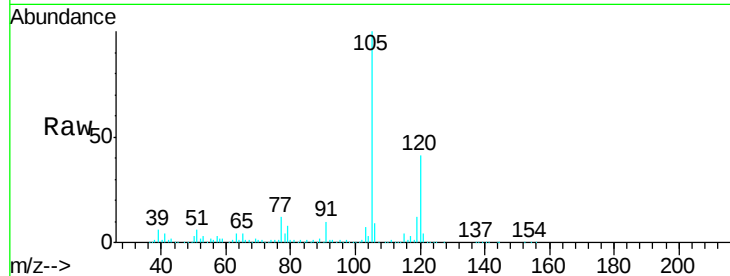




#83
 tert-Butylbenzene
 Concen: 4.055 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.04 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

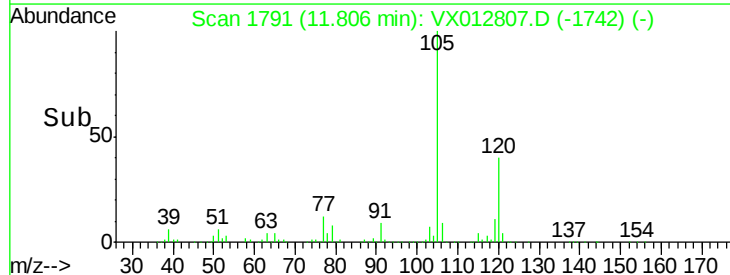
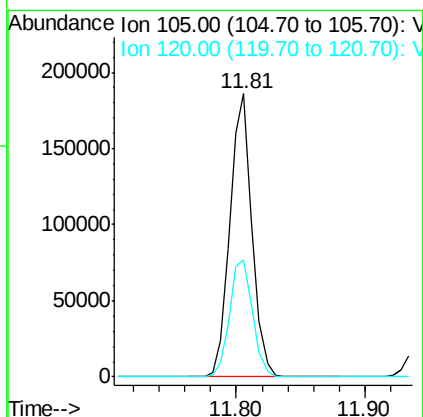
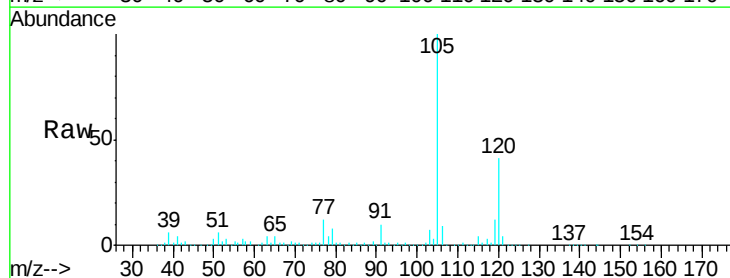
Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

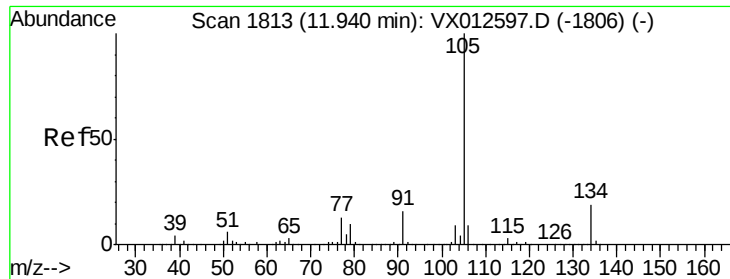
Tgt Ion	Ratio	Lower	Upper
119	100		
91	91.3	30.0	90.0#
134	0.0	11.3	33.9#



#84
 1,2,4-Trimethylbenzene
 Concen: 32.408 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.2	66.6

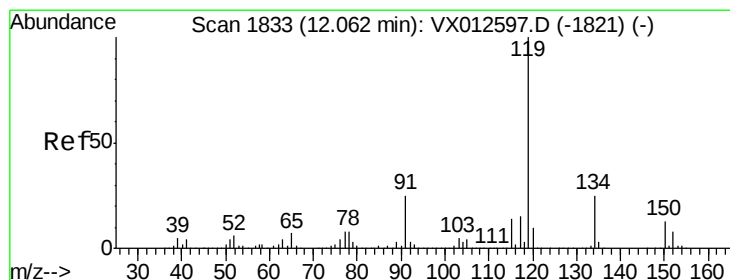
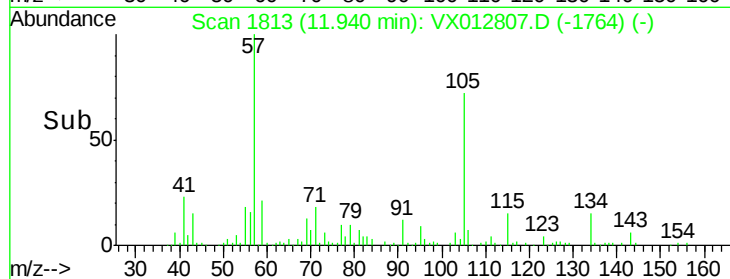
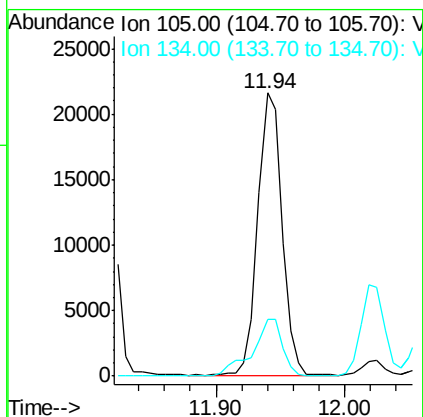
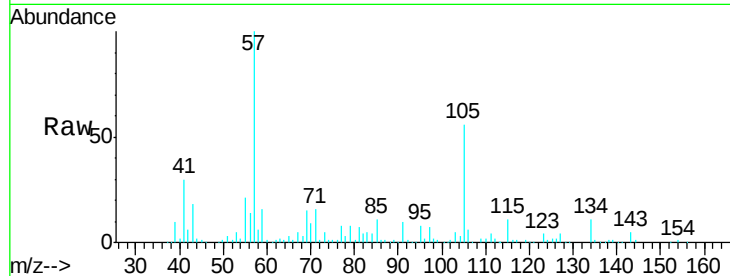




#85
 sec-Butylbenzene
 Concen: 3.694 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

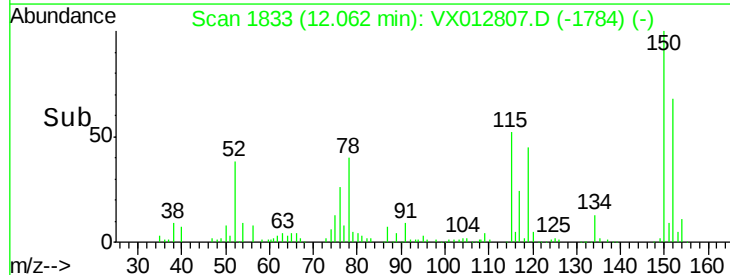
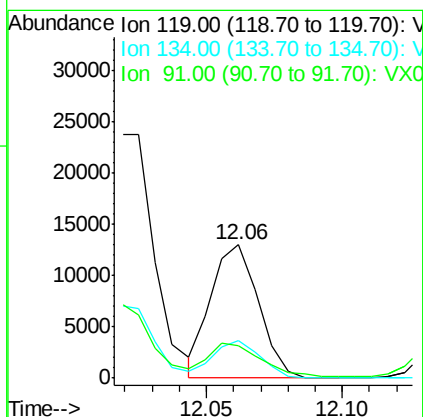
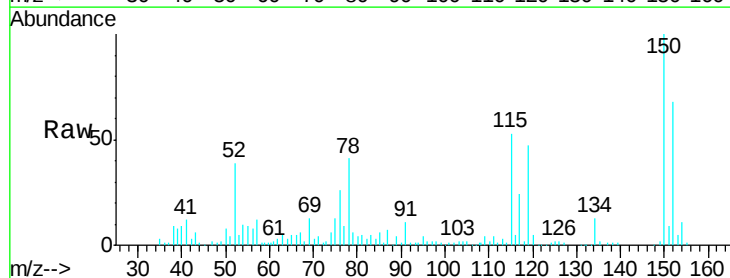
Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

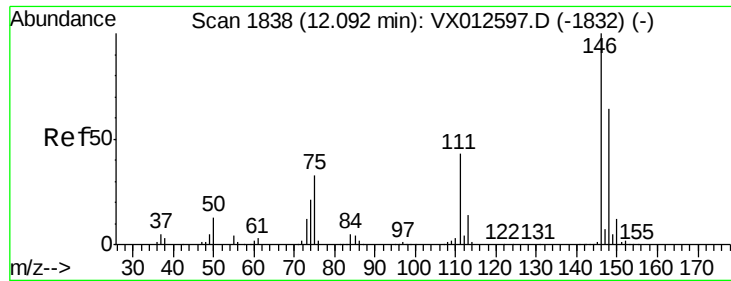
Tgt Ion:105 Resp: 28245
 Ion Ratio Lower Upper
 105 100
 134 24.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 2.290 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion:119 Resp: 15797
 Ion Ratio Lower Upper
 119 100
 134 28.3 12.7 38.1
 91 26.6 12.8 38.4

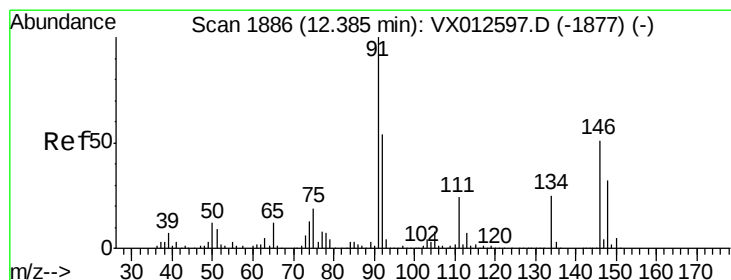
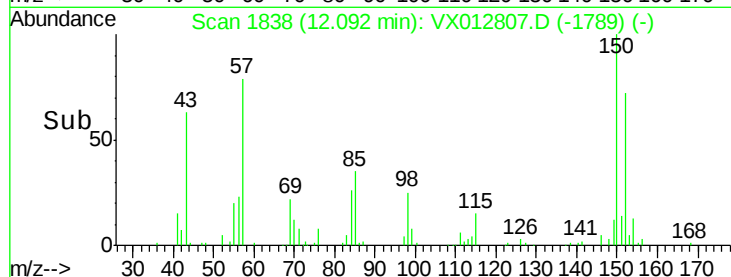
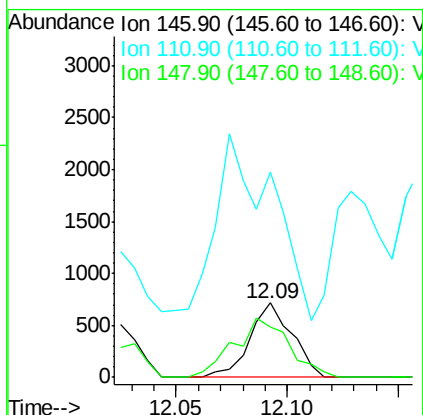
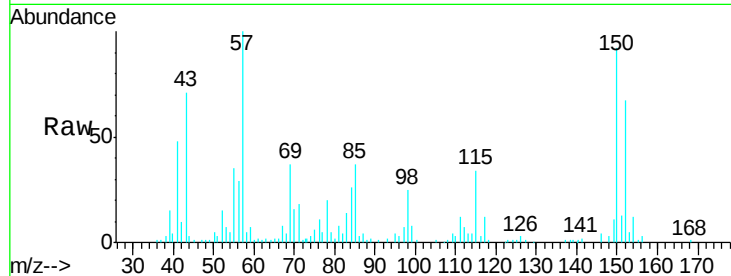




#88
 1,4-Dichlorobenzene
 Concen: 0.283 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

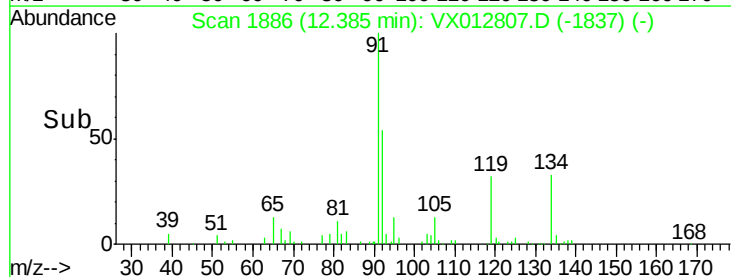
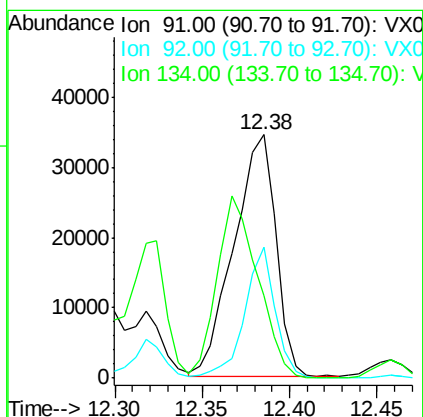
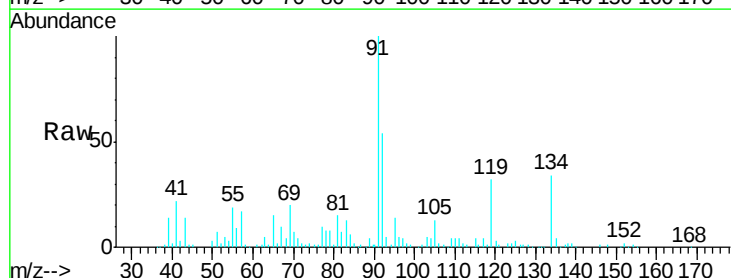
Instrument :
 MSVOA_X
 ClientSampled :
 30440-30377

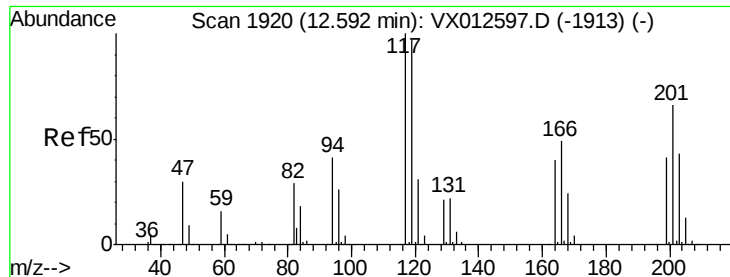
Tgt Ion: 146 Resp: 946
 Ion Ratio Lower Upper
 146 100
 111 337.1 21.1 63.3#
 148 103.4 32.1 96.5#



#89
 n-Butylbenzene
 Concen: 9.446 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion: 91 Resp: 57422
 Ion Ratio Lower Upper
 91 100
 92 39.9 27.7 83.0
 134 72.9 12.9 38.6#





#90

Hexachloroethane

Concen: 3.877 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

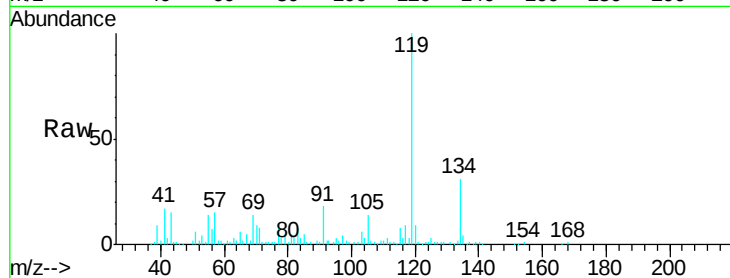
30440-30377

Tgt Ion:117 Resp: 4769

Ion Ratio Lower Upper

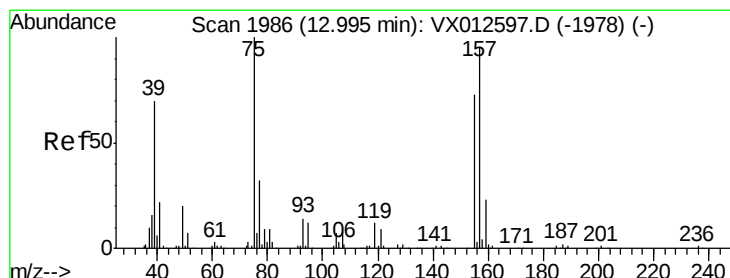
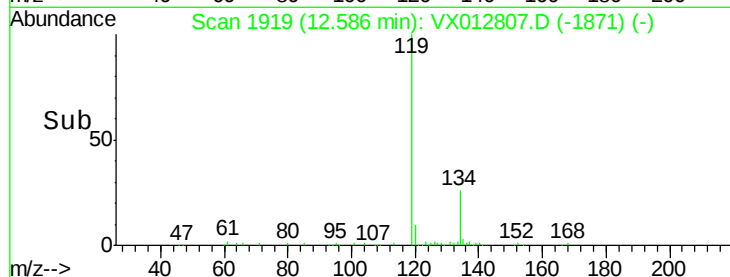
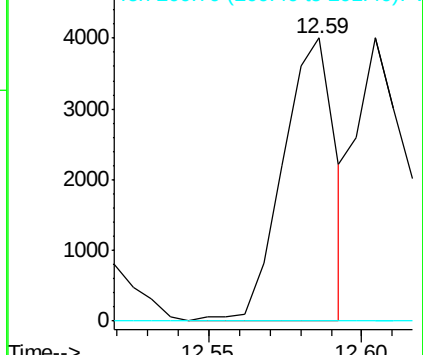
117 100

201 0.0 33.3 99.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 79.631 ug/l

RT: 13.06 min Scan# 1996

Delta R.T. 0.06 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

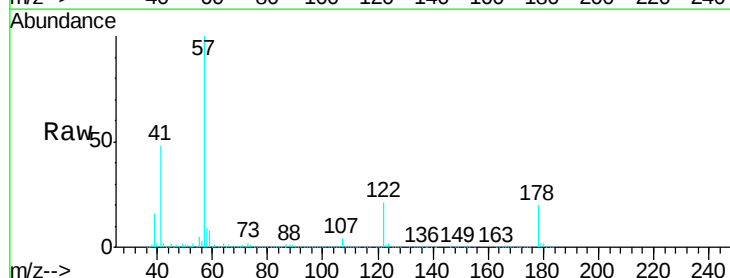
Tgt Ion: 75 Resp: 53608

Ion Ratio Lower Upper

75 100

155 0.1 38.6 115.8#

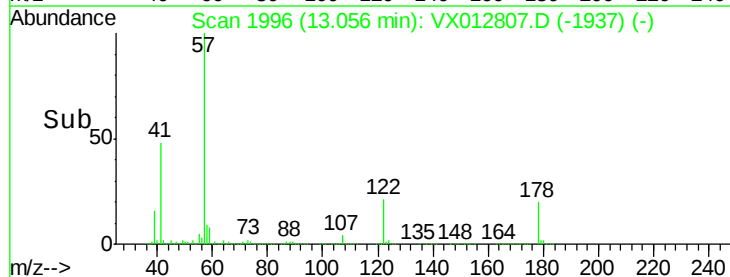
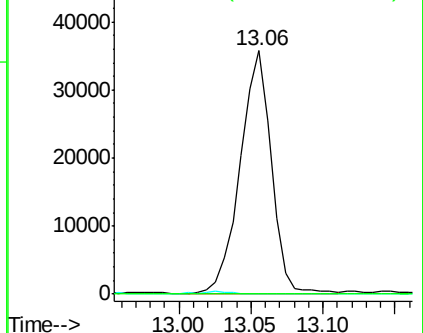
157 0.0 50.6 151.9#

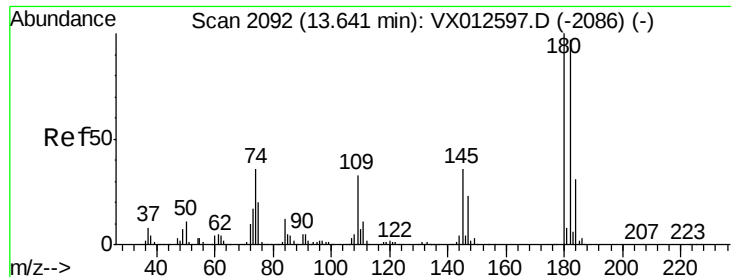


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

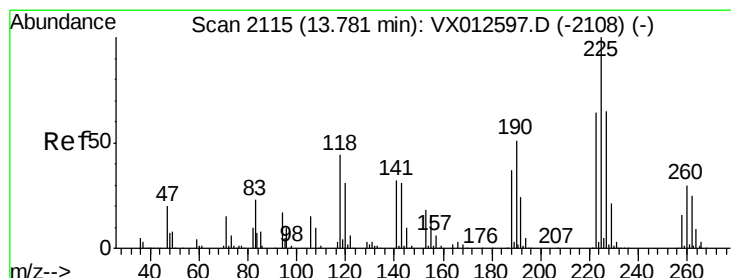
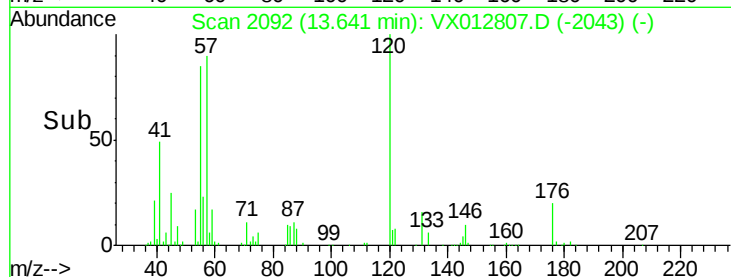
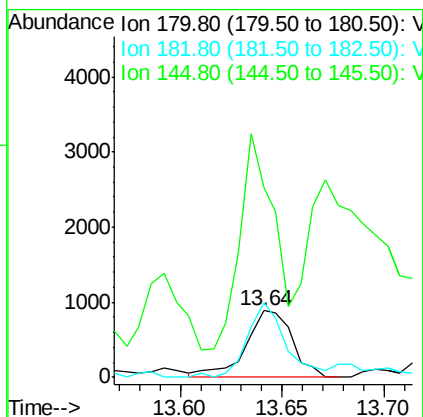
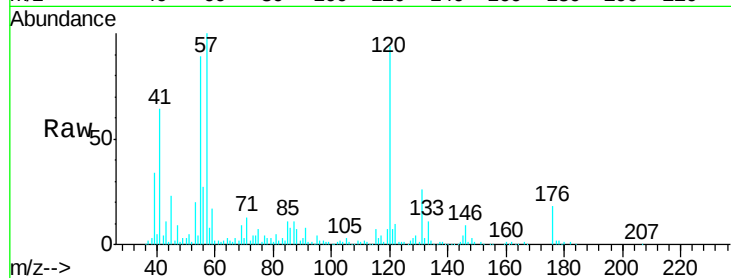




#93
 1,2,4-Trichlorobenzene
 Concen: 0.693 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

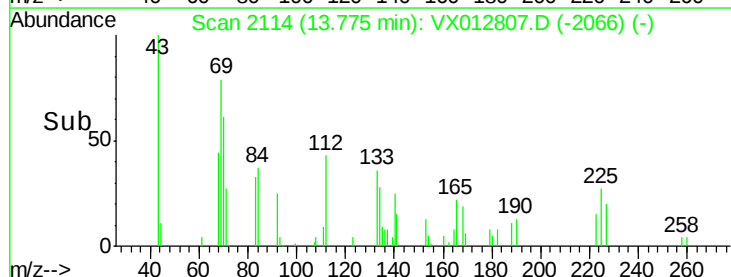
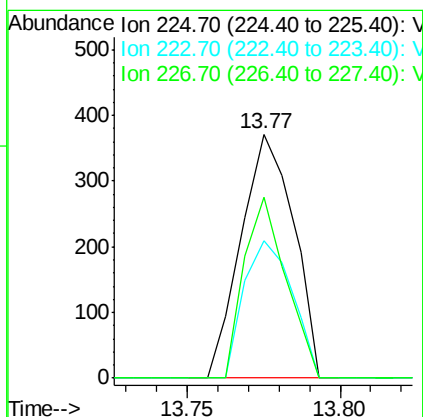
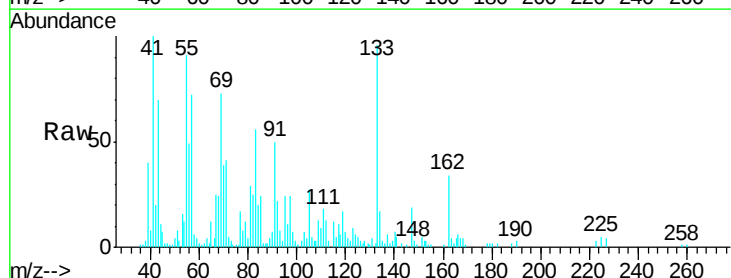
Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

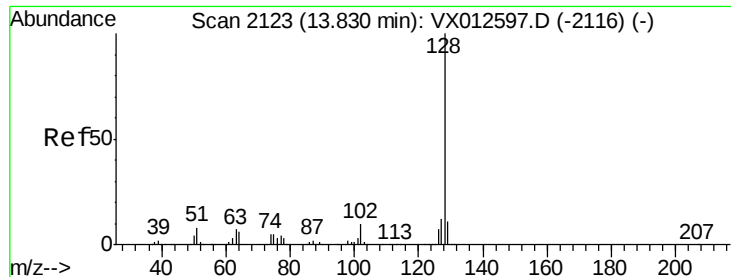
Tgt Ion:180 Resp: 1400
 Ion Ratio Lower Upper
 180 100
 182 93.0 47.0 141.0
 145 275.9 16.8 50.4#



#94
 Hexachlorobutadiene
 Concen: 0.510 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion:225 Resp: 443
 Ion Ratio Lower Upper
 225 100
 223 51.7 32.0 96.2
 227 58.9 31.9 95.5

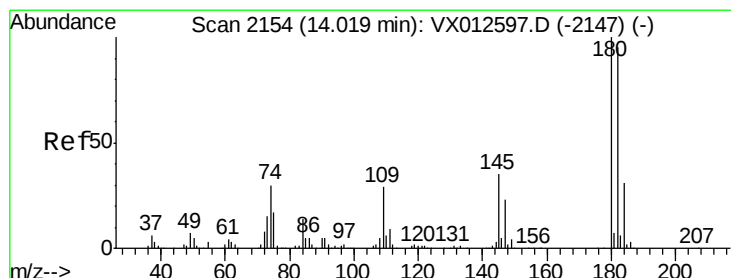
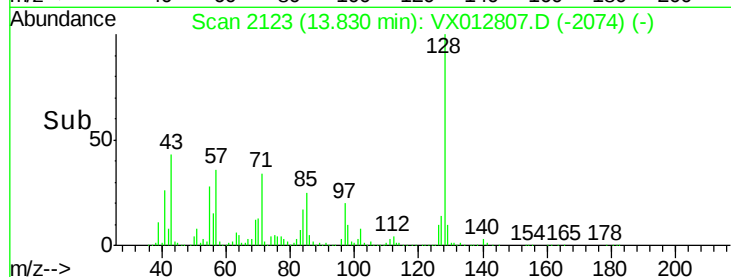
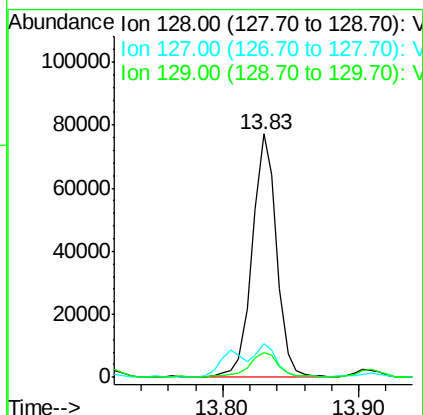
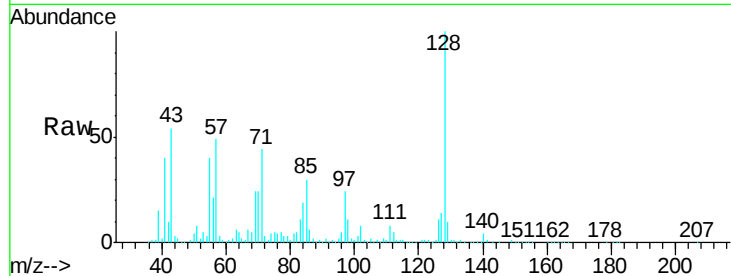




#95
Naphthalene
Concen: 13.195 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampled :
30440-30377

Tgt Ion:128 Resp: 96475
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.4
129 12.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.640 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion:180 Resp: 1295
Ion Ratio Lower Upper
180 100
182 78.8 47.1 141.3
145 340.5 18.0 54.0#

