

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013737.D
 Acq On : 03 Dec 2019 20:04
 Operator : JC/SP
 Sample : K6084-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 00:41:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	764585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1180834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1053898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	564712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	426059	48.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	5.50	113	305006	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	
50) Toluene-d8	8.72	98	1429119	50.25	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	11.14	95	525509	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
3) Chloromethane	1.29	50	77399	8.105	ug/l #	66
5) Bromomethane	1.63	94	3275	0.454	ug/l #	50
6) Chloroethane	1.50	64	2292	0.375	ug/l #	45
8) Diethyl Ether	2.18	74	40224	7.450	ug/l #	1
10) Methyl Iodide	2.51	142	3117	0.353	ug/l #	87
11) Tert butyl alcohol	3.04	59	4946424	2257.958	ug/l #	85
13) Acrolein	2.39	56	129328	92.159	ug/l #	69
14) Allyl chloride	2.61	41	791302	59.926	ug/l #	66
15) Acrylonitrile	3.17	53	54550	12.063	ug/l #	41
16) Acetone	2.44	43	15853382	3618.047	ug/l #	87
17) Carbon Disulfide	2.56	76	32884	1.585	ug/l	98
18) Methyl Acetate	2.76	43	4270450	349.994	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	1431724	59.396	ug/l #	33
20) Methylene Chloride	2.85	84	17743	2.108	ug/l #	49
22) Diisopropyl ether	3.82	45	11013365	433.151	ug/l #	1
23) Vinyl Acetate	3.82	43	567585	26.834	ug/l #	79
24) 1,1-Dichloroethane	3.83	63	85086	6.121	ug/l #	87
25) 2-Butanone	4.66	43	2718840	417.505	ug/l	99
26) 2,2-Dichloropropane	4.45	77	281539	24.481	ug/l #	51
29) Tetrahydrofuran	5.12	42	131512	32.759	ug/l	95
31) Cyclohexane	5.58	56	1309135	99.857	ug/l	95
36) 1,1-Dichloropropene	5.65	75	51093	4.767	ug/l #	52
37) Ethyl Acetate	4.83	43	147164	12.238	ug/l	98
38) Carbon Tetrachloride	5.65	117	67017	6.780	ug/l #	16
39) Methylcyclohexane	7.46	83	1969320	148.631	ug/l	99
41) Methacrylonitrile	5.12	41	108239	16.413	ug/l #	44
42) 1,2-Dichloroethane	6.15	62	866827	77.855	ug/l #	72
43) Isopropyl Acetate	6.43	43	2911035	147.043	ug/l #	85
45) 1,2-Dichloropropane	7.46	63	15603	1.910	ug/l #	1
47) Bromodichloromethane	7.84	83	4369	0.417	ug/l #	1
48) Methyl methacrylate	7.76	41	521829	54.250	ug/l #	33
49) 1,4-Dioxane	7.74	88	121898	566.154	ug/l #	40
51) 4-Methyl-2-Pentanone	8.66	43	584848	46.965	ug/l #	83
53) t-1,3-Dichloropropene	9.13	75	329244	27.581	ug/l #	80

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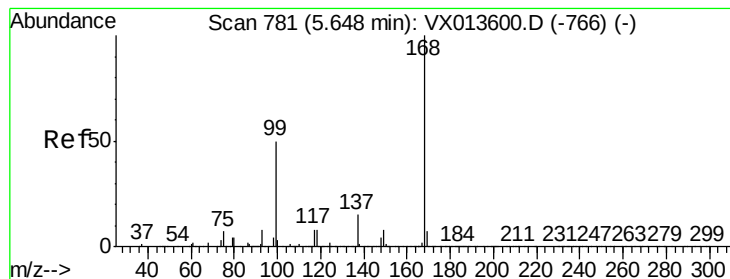
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 00:41:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
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 QLast Update : Tue Nov 26 15:53:00 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

54) cis-1,3-Dichloropropene	8.40	75	278047	21.320	ug/l #	1
55) 1,1,2-Trichloroethane	9.17	97	247282	30.256	ug/l #	23
56) Ethyl methacrylate	9.16	69	51493	3.919	ug/l #	1
57) 1,3-Dichloropropane	9.23	76	60868	4.321	ug/l #	51
58) 2-Chloroethyl Vinyl ether	8.40	63	405520	78.713	ug/l	90
59) 2-Hexanone	9.50	43	303718	31.271	ug/l #	23
60) Dibromochloromethane	9.56	129	9905	1.168	ug/l	78
65) Chlorobenzene	10.07	112	22141	1.012	ug/l	94
67) Ethyl Benzene	10.25	91	12461140	331.412	ug/l #	80
68) m/p-Xylenes	10.35	106	19315110	1341.752	ug/l #	1
69) o-Xylene	10.70	106	10186418	725.537	ug/l	62
70) Styrene	10.70	104	542023	22.950	ug/l #	1
73) Isopropylbenzene	11.01	105	1924024	48.571	ug/l	99
74) N-amyl acetate	10.88	43	310993	17.138	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	11.24	83	147992	10.773	ug/l #	64
76) 1,2,3-Trichloropropane	11.33	75	51459	4.051	ug/l #	37
78) n-propylbenzene	11.36	91	2022164	45.730	ug/l	100
79) 2-Chlorotoluene	11.43	91	1656450	62.446	ug/l #	48
80) 1,3,5-Trimethylbenzene	11.51	105	8392530	258.503	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	22256	4.794	ug/l #	1
82) 4-Chlorotoluene	11.51	91	910024	29.620	ug/l #	44
83) tert-Butylbenzene	11.81	119	2223211	67.380	ug/l #	59
84) 1,2,4-Trimethylbenzene	11.81	105	13059770	396.354	ug/l	78
85) sec-Butylbenzene	11.95	105	744838	19.764	ug/l	100
86) p-Isopropyltoluene	12.23	119	540528	15.417	ug/l	98
89) n-Butylbenzene	12.38	91	947899	31.699	ug/l #	25
90) Hexachloroethane	12.59	117	117091	18.477	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.02	75	6779	2.266	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.67	180	3523	0.274	ug/l #	1
95) Naphthalene	13.83	128	392020	10.248	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.03	180	40904	3.216	ug/l #	43

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

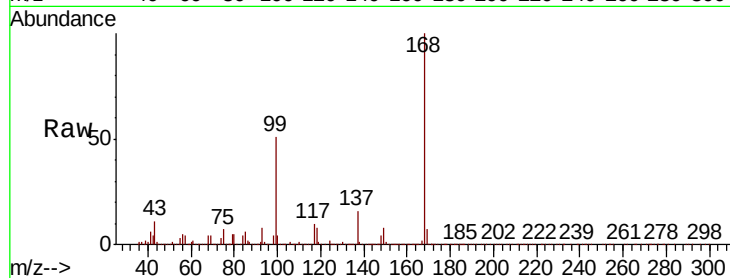
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 764585

Ion Ratio Lower Upper

168 100

99 51.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

300000

250000

200000

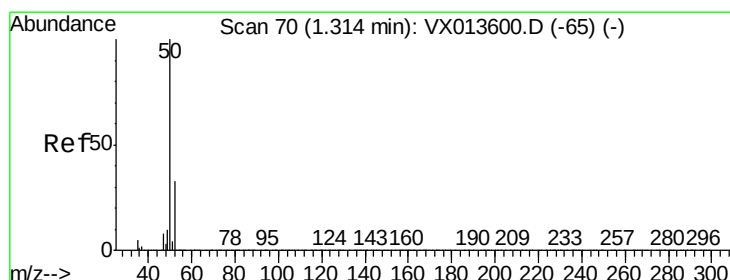
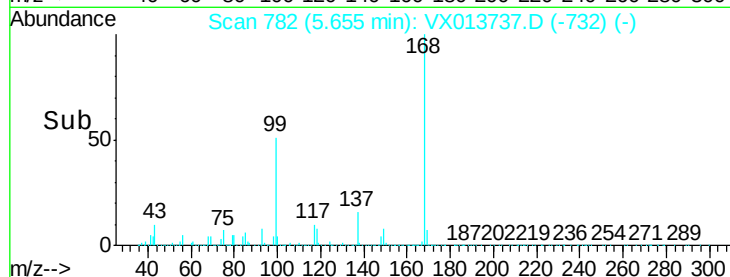
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 8.105 ug/l

RT: 1.29 min Scan# 66

Delta R.T. -0.02 min

Lab File: VX013737.D

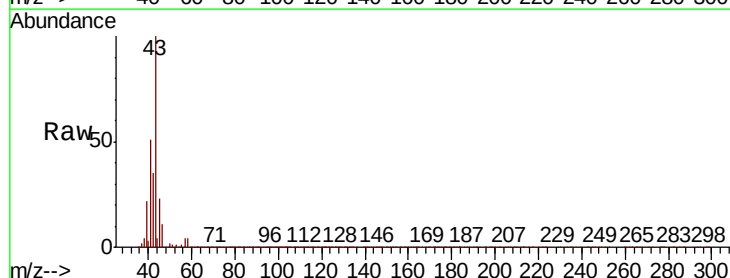
Acq: 03 Dec 2019 20:04

Tgt Ion: 50 Resp: 77399

Ion Ratio Lower Upper

50 100

52 13.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250000

200000

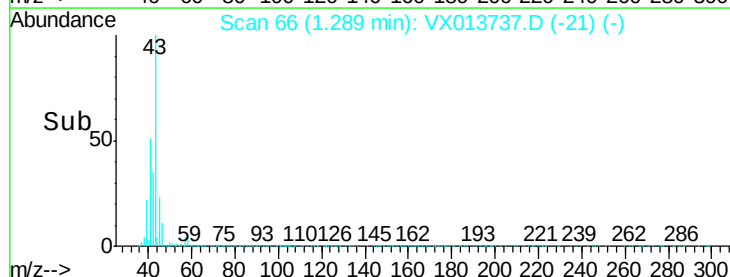
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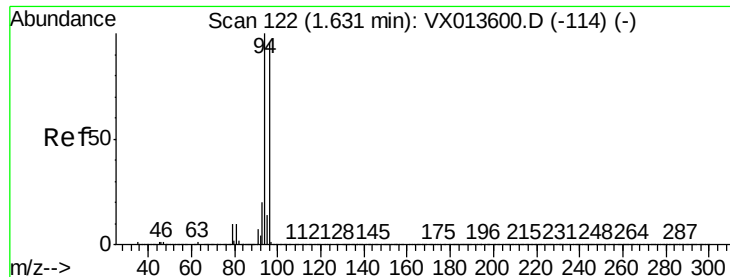
100000

50000

0

Time-->





#5

Bromomethane

Concen: 0.454 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

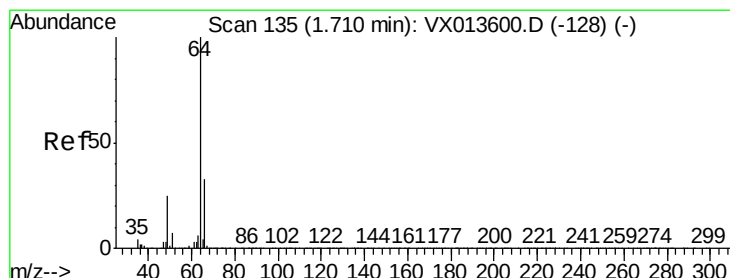
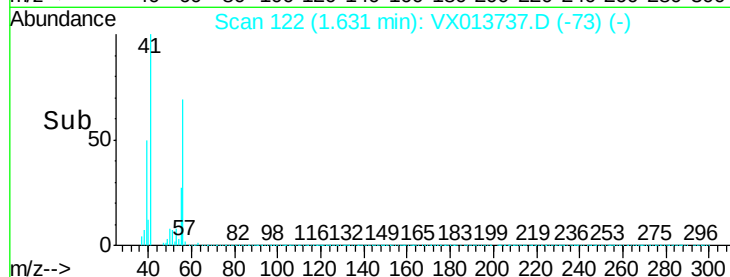
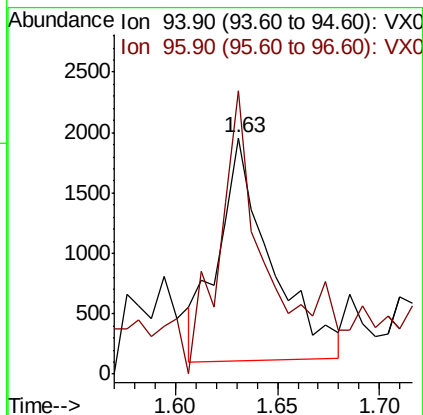
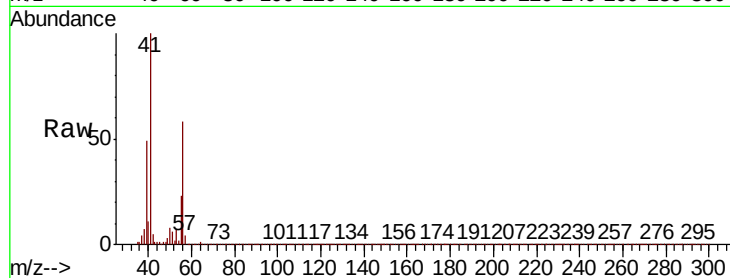
ClientSampleId :

Tot Ion: 94 Resp: 3275

Ion Ratio Lower Upper

94 100

96 145.3 77.0 115.4#



#6

Chloroethane

Concen: 0.375 ug/l

RT: 1.50 min Scan# 100

Delta R.T. -0.21 min

Lab File: VX013737.D

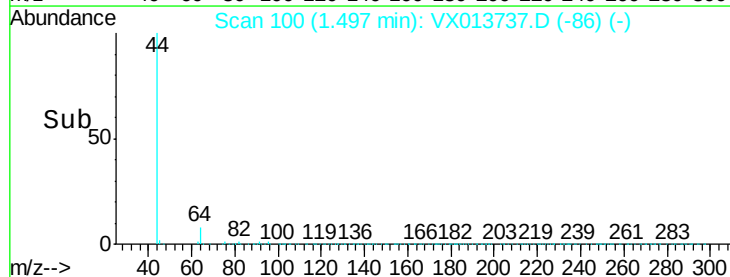
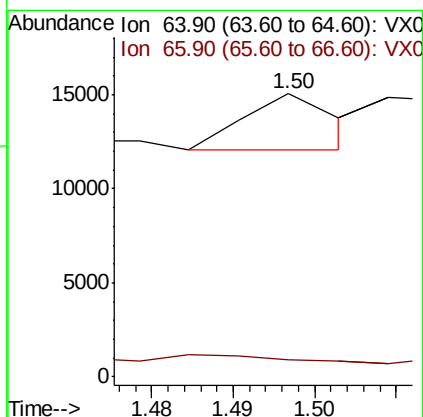
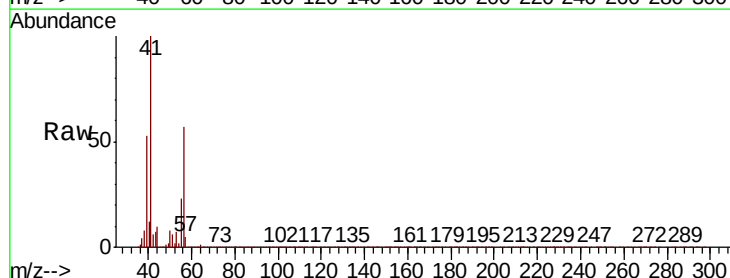
Acq: 03 Dec 2019 20:04

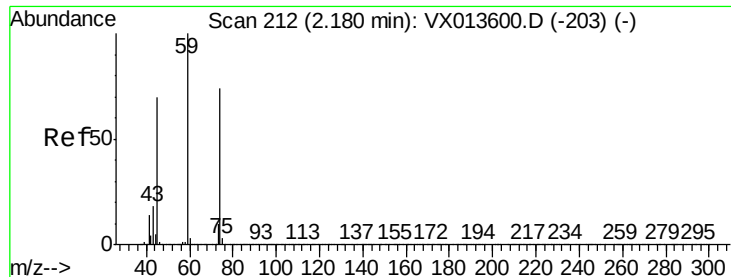
Tgt Ion: 64 Resp: 2292

Ion Ratio Lower Upper

64 100

66 2.4 26.7 40.1#





#8

Diethyl Ether

Concen: 7.450 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

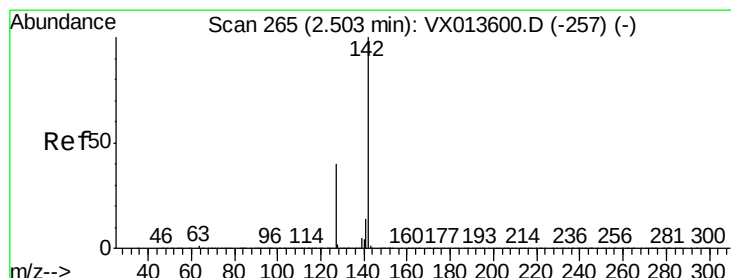
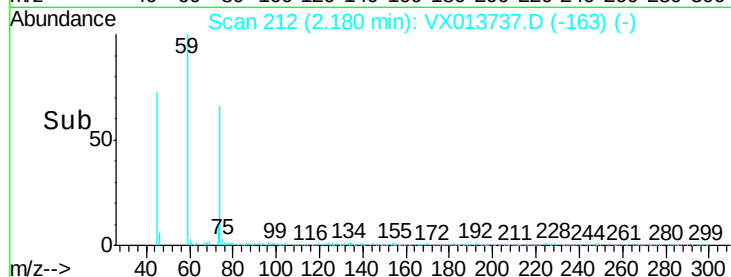
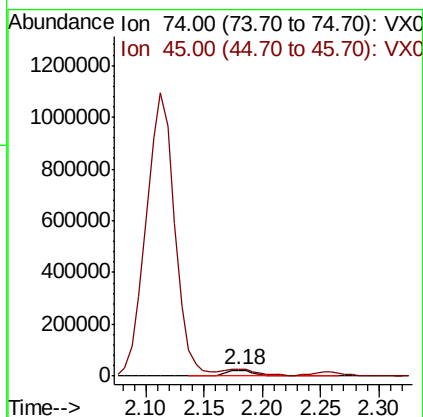
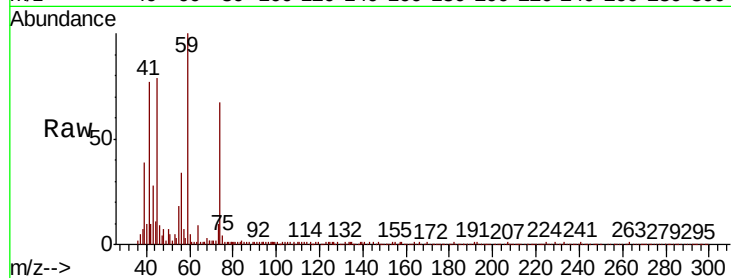
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 74 Resp: 40224

Ion Ratio Lower Upper

74 100

45 0.0 48.9 146.8#



#10

Methyl Iodide

Concen: 0.353 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

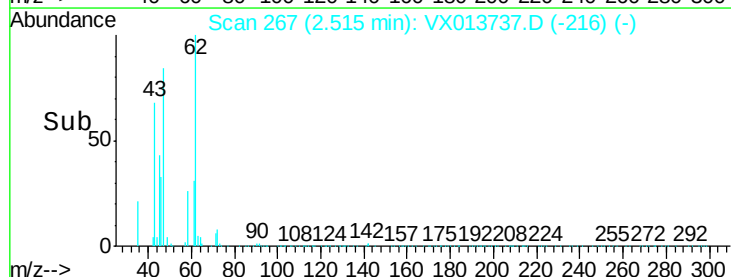
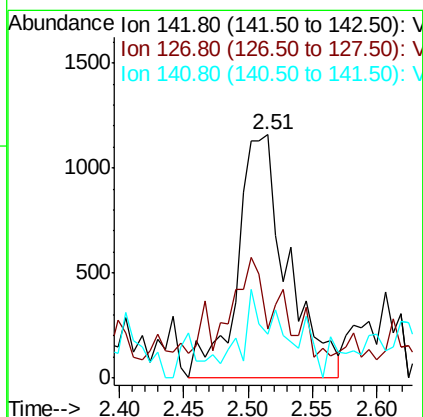
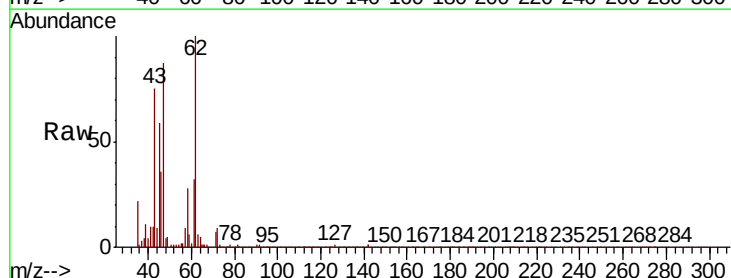
Tgt Ion: 142 Resp: 3117

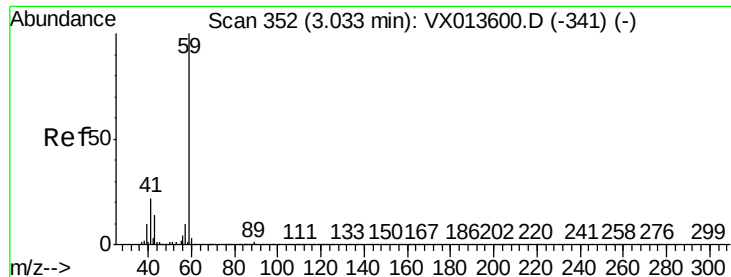
Ion Ratio Lower Upper

142 100

127 47.3 31.0 46.4#

141 9.8 11.6 17.4#



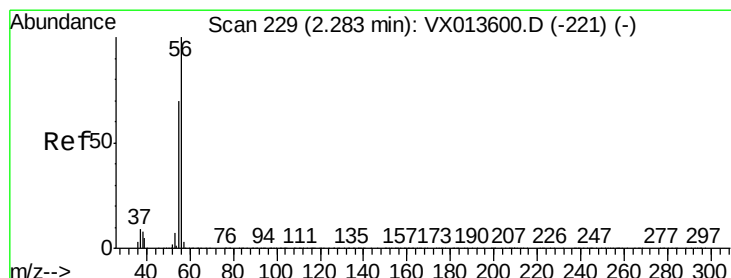
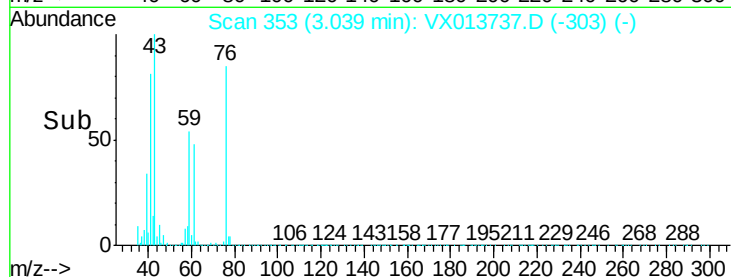
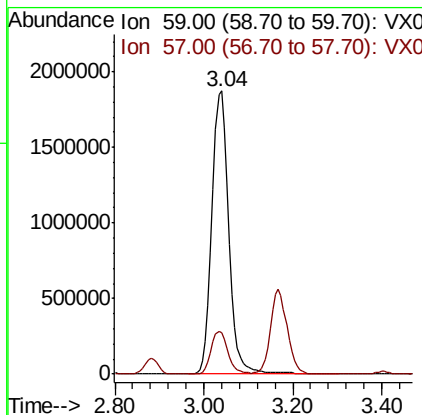
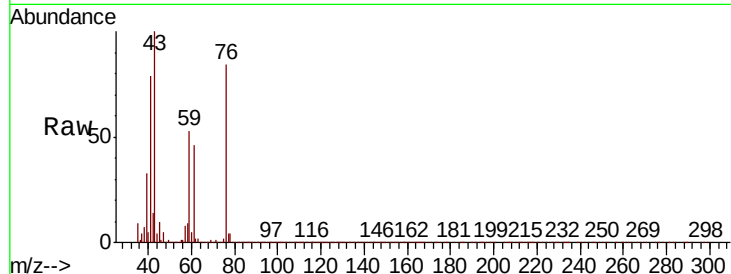


#11

Tert butyl alcohol
Concen: 2257.958 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampled :

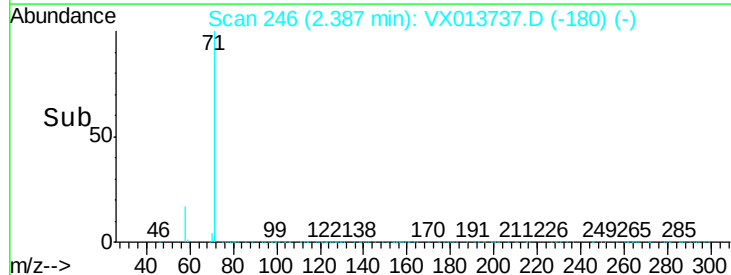
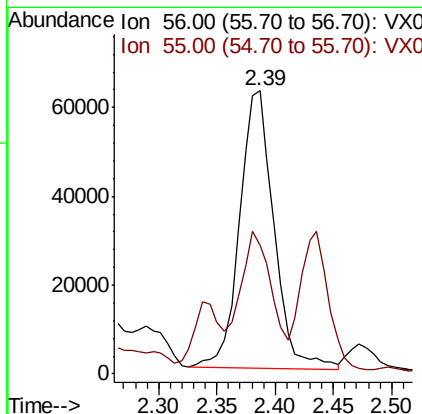
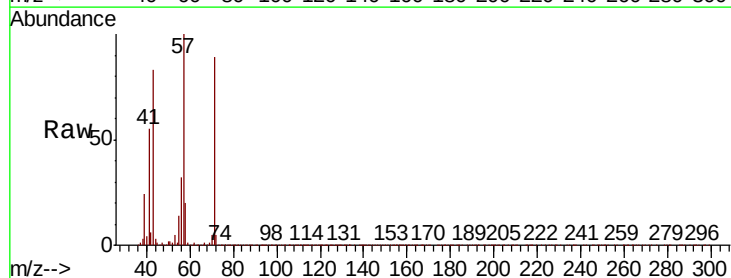
Tot Ion: 59 Resp: 4946424
Ion Ratio Lower Upper
59 100
57 15.1 7.8 11.6#

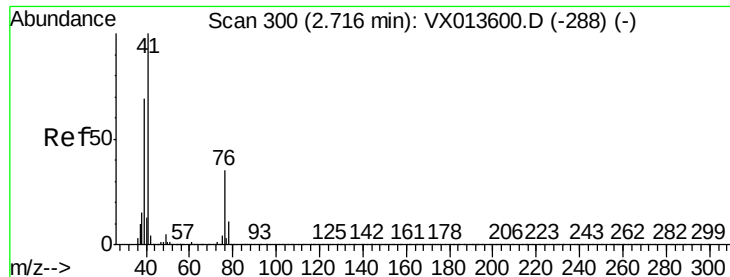


#13

Acrolein
Concen: 92.159 ug/l
RT: 2.39 min Scan# 246
Delta R.T. 0.10 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 56 Resp: 129328
Ion Ratio Lower Upper
56 100
55 44.5 56.2 84.4#

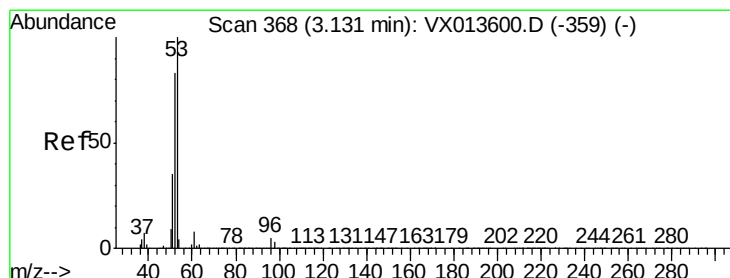
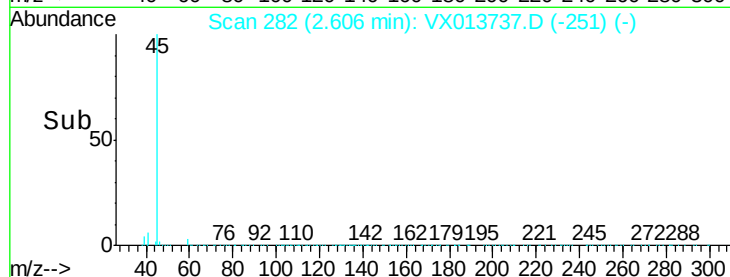
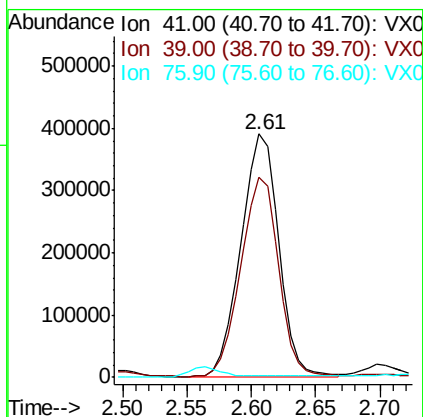
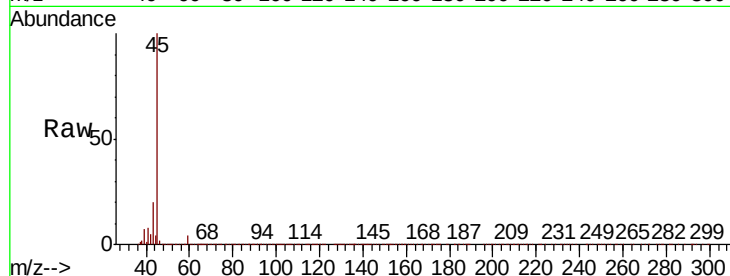




#14
Allvl chloride
Concen: 59.926 ug/l
RT: 2.61 min Scan# 282
Delta R.T. -0.11 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

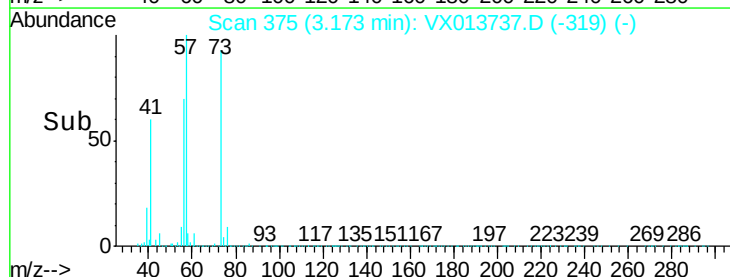
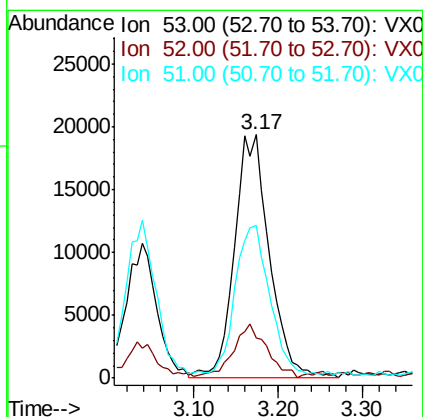
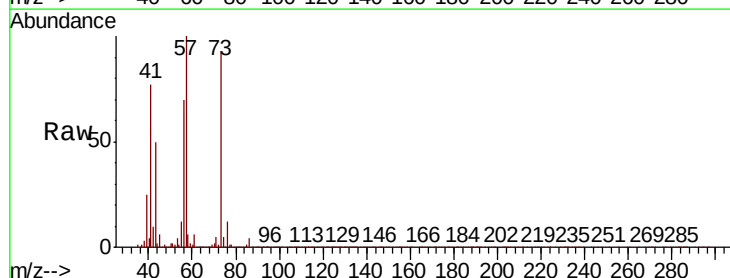
Instrument :
MSVOA_X
ClientSampleId :

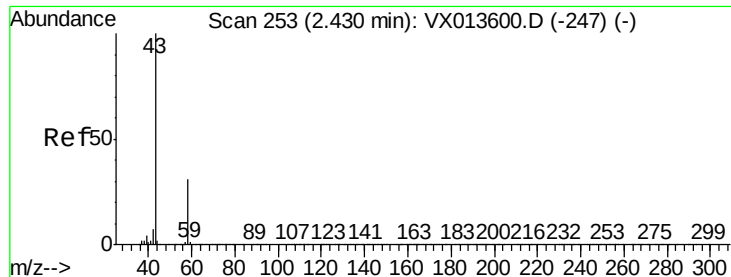
Tot Ion: 41 Resp: 791302
Ion Ratio Lower Upper
41 100
39 82.3 51.7 77.5#
76 0.0 25.9 38.9#



#15
Acrylonitrile
Concen: 12.063 ug/l
RT: 3.17 min Scan# 375
Delta R.T. 0.04 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 53 Resp: 54550
Ion Ratio Lower Upper
53 100
52 21.5 66.2 99.2#
51 59.6 29.0 43.6#

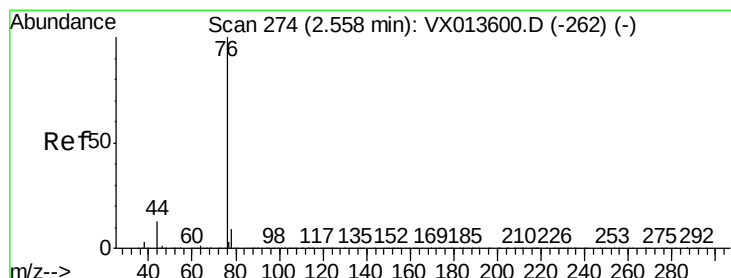
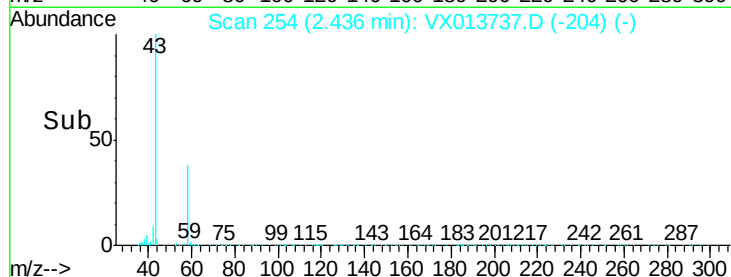
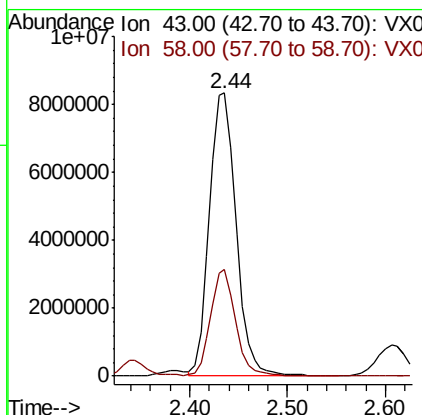
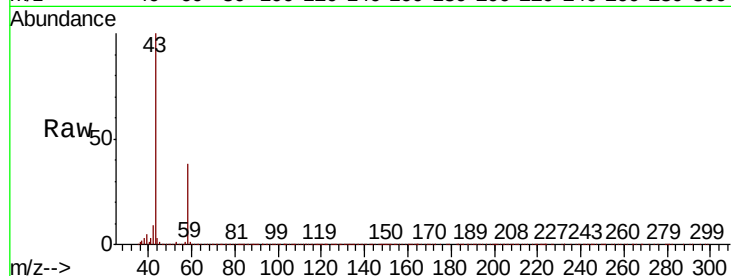




#16
Acetone
Concen: 3618.047 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

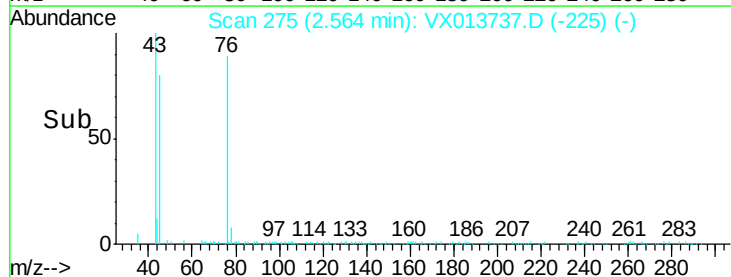
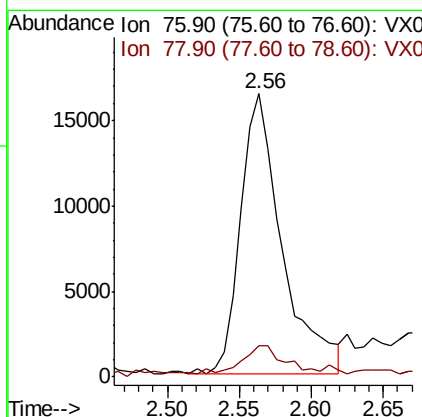
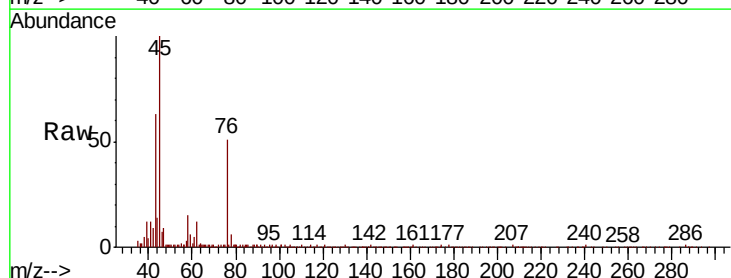
Instrument :
MSVOA_X
ClientSampleId :

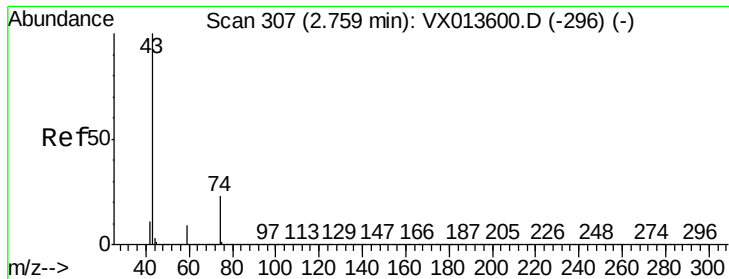
Tot Ion: 43 Resp:15853382
Ion Ratio Lower Upper
43 100
58 37.6 24.6 36.8#



#17
Carbon Disulfide
Concen: 1.585 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 76 Resp: 32884
Ion Ratio Lower Upper
76 100
78 9.9 7.2 10.8





#18

Methyl Acetate

Concen: 349.994 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

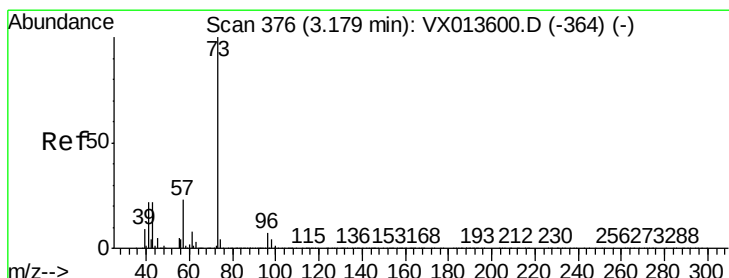
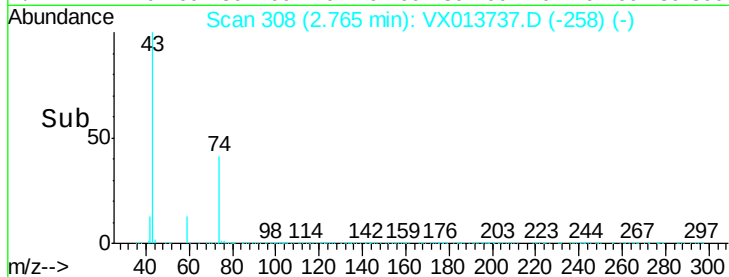
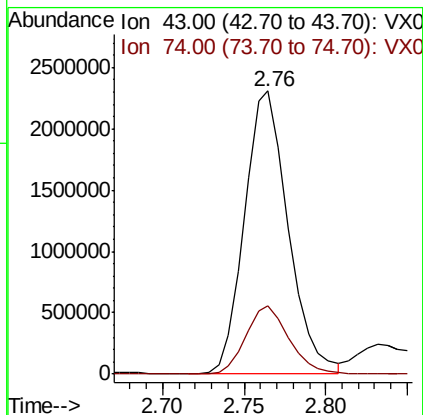
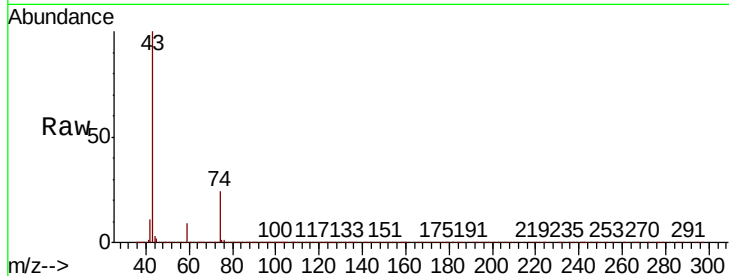
ClientSampleId :

Tot Ion: 43 Resp: 4270450

Ion Ratio Lower Upper

43 100

74 24.2 19.5 29.3



#19

Methyl tert-butyl Ether

Concen: 59.396 ug/l

RT: 3.19 min Scan# 377

Delta R.T. 0.01 min

Lab File: VX013737.D

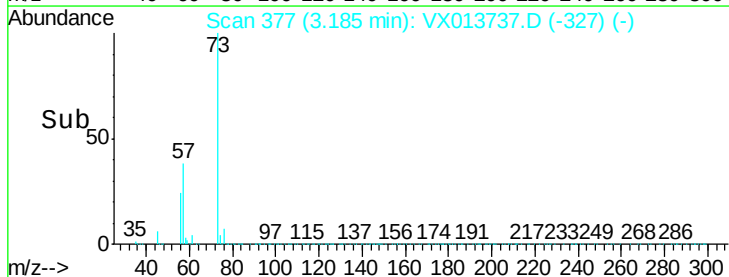
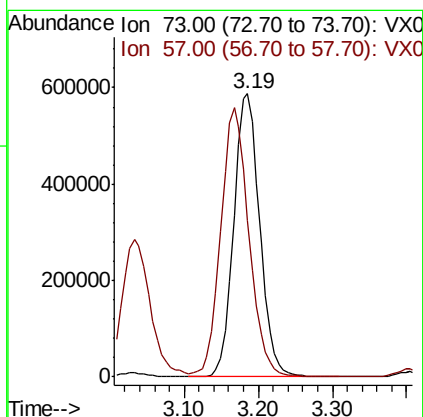
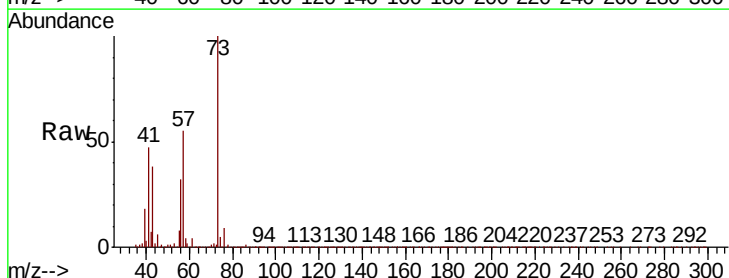
Acq: 03 Dec 2019 20:04

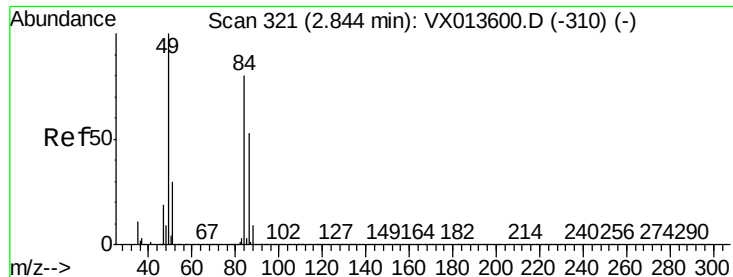
Tgt Ion: 73 Resp: 1431724

Ion Ratio Lower Upper

73 100

57 55.3 18.3 27.5#

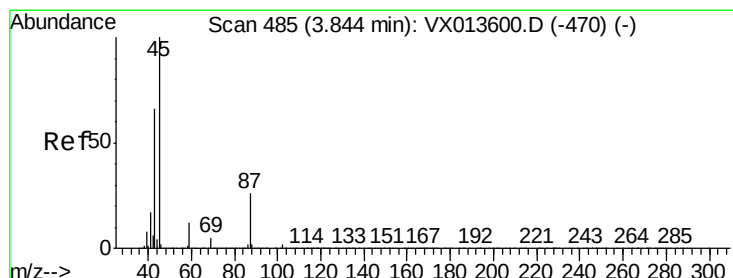
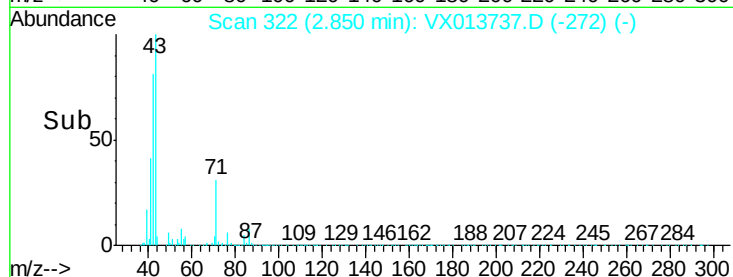
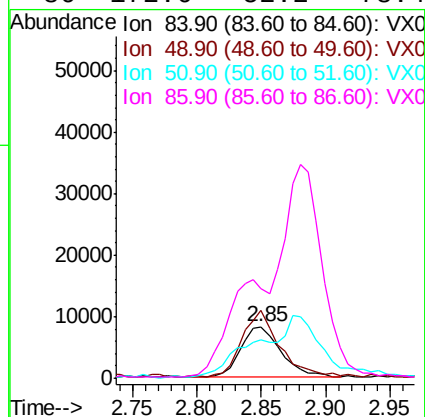
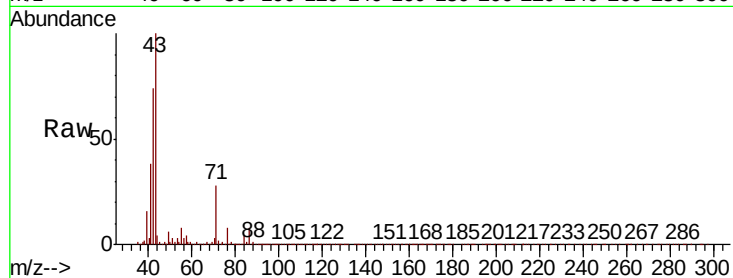




#20
Methylene Chloride
Concen: 2.108 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

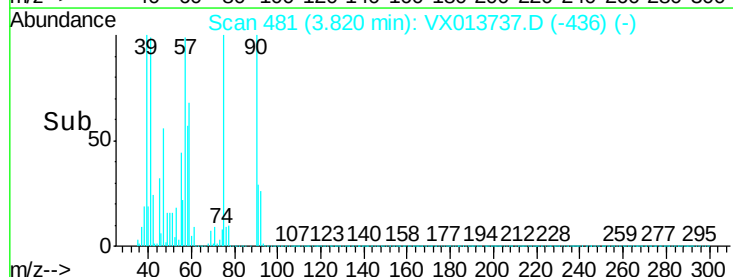
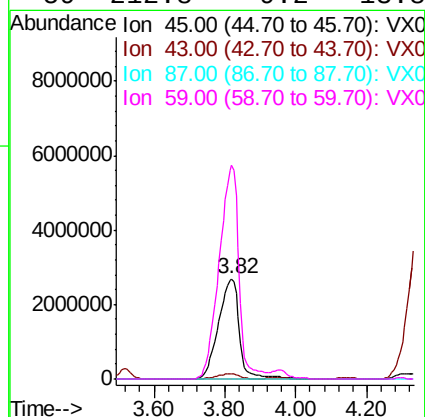
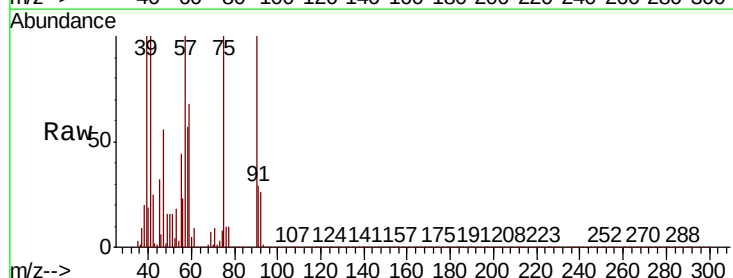
Instrument :
MSVOA_X
ClientSampleId :

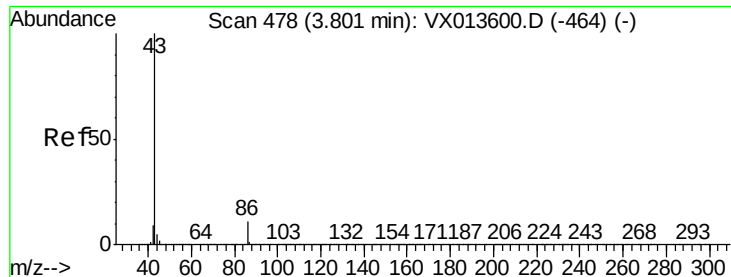
Tot Ion: 84 Resp: 17743
Ion Ratio Lower Upper
84 100
49 128.8 99.7 149.5
51 73.2 29.9 44.9#
86 172.6 52.2 78.4#



#22
Diisopropyl ether
Concen: 433.151 ug/l
RT: 3.82 min Scan# 481
Delta R.T. -0.02 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 45 Resp: 11013365
Ion Ratio Lower Upper
45 100
43 5.0 52.6 79.0#
87 0.7 21.1 31.7#
59 212.8 9.2 13.8#





#23

Vinyl Acetate

Concen: 26.834 ug/l

RT: 3.82 min Scan# 481

Delta R.T. 0.02 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

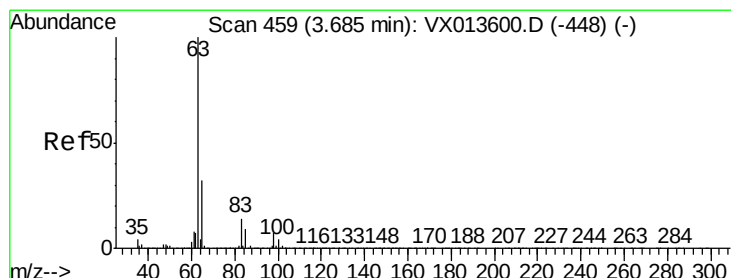
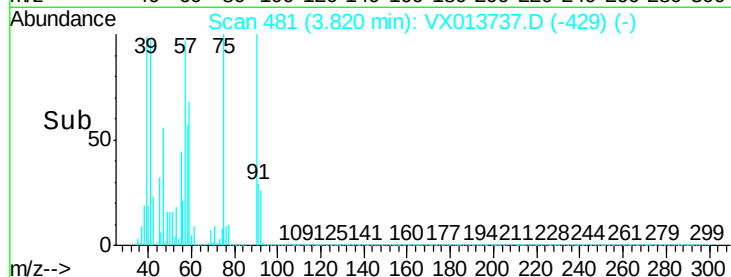
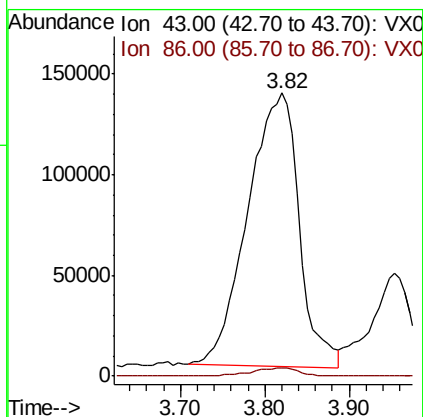
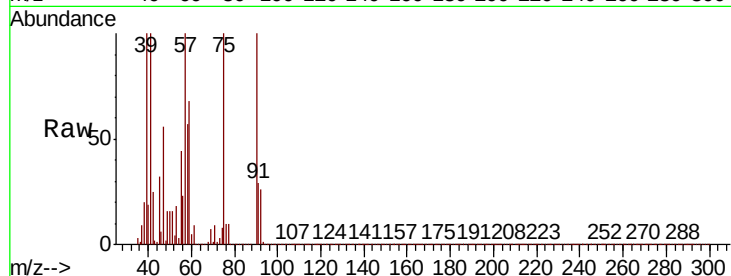
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 567585

Ion Ratio Lower Upper

43 100

86 3.1 8.7 13.1#



#24

1,1-Dichloroethane

Concen: 6.121 ug/l

RT: 3.83 min Scan# 482

Delta R.T. 0.14 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

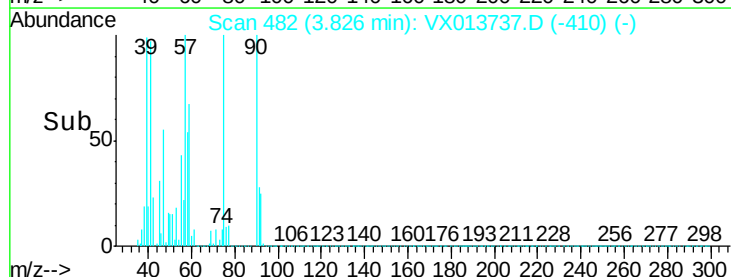
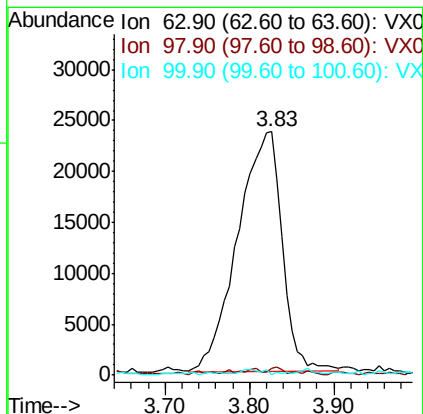
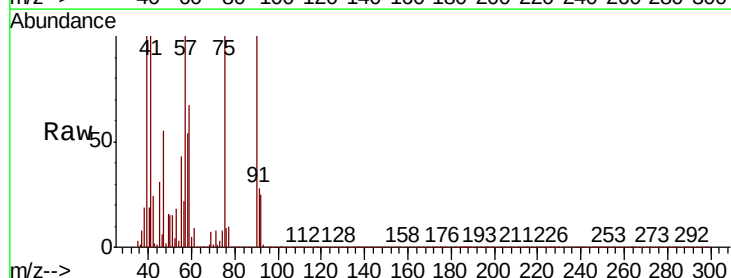
Tgt Ion: 63 Resp: 85086

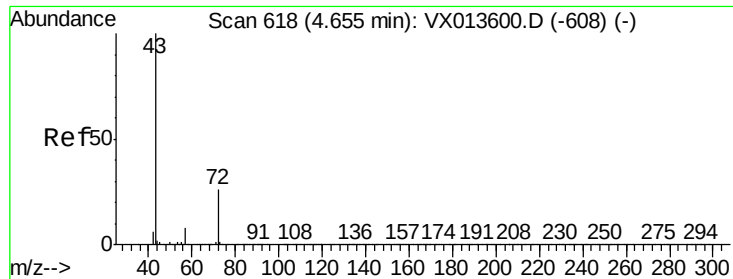
Ion Ratio Lower Upper

63 100

98 2.4 3.5 10.4#

100 0.0 2.1 6.3#

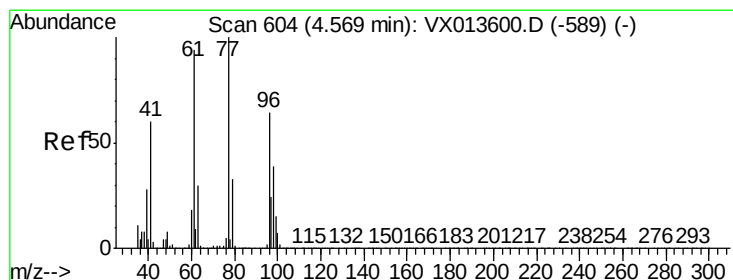
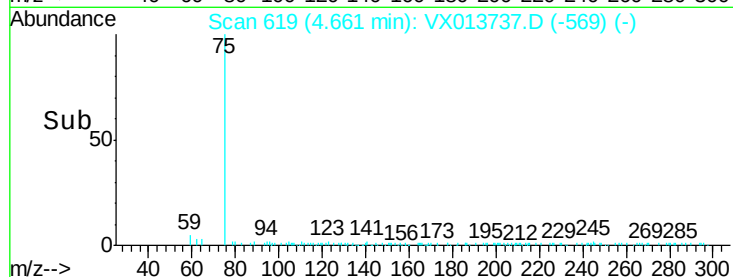
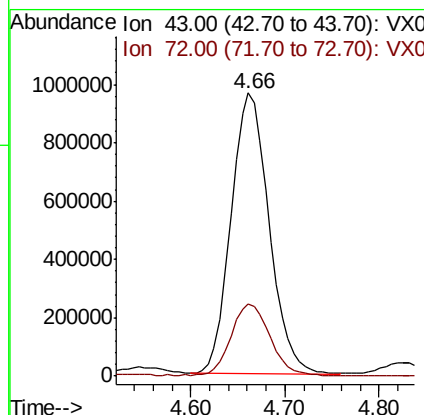
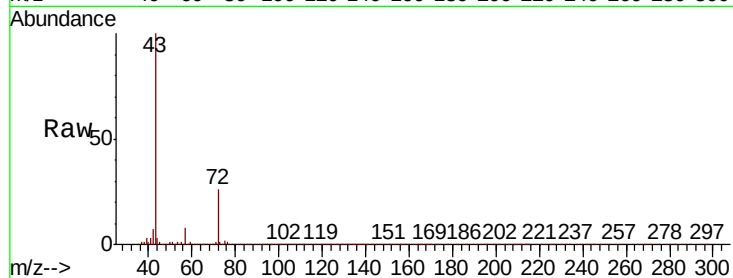




#25
2-Butanone
Concen: 417.505 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

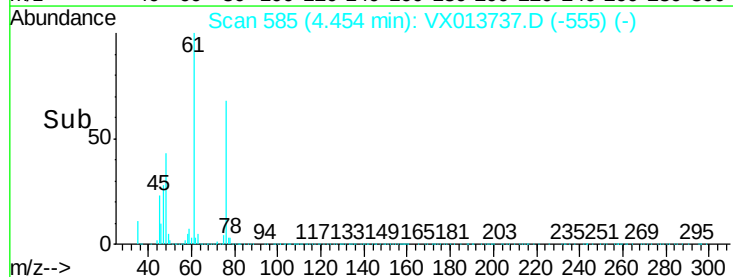
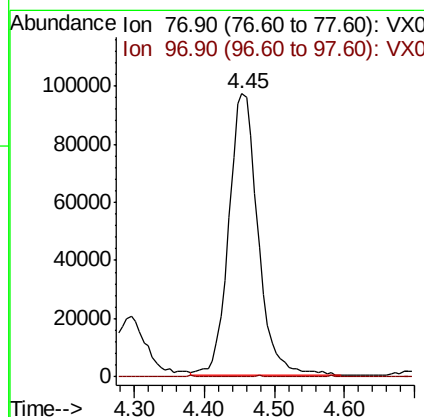
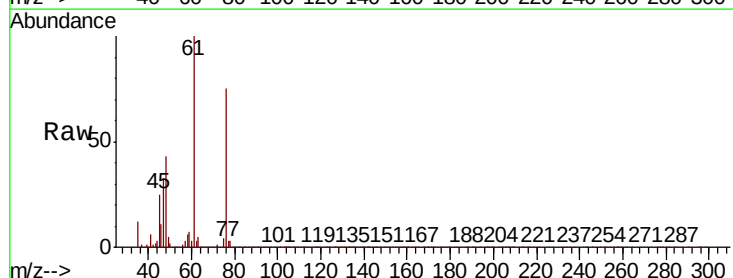
Instrument :
MSVOA_X
ClientSampleId :

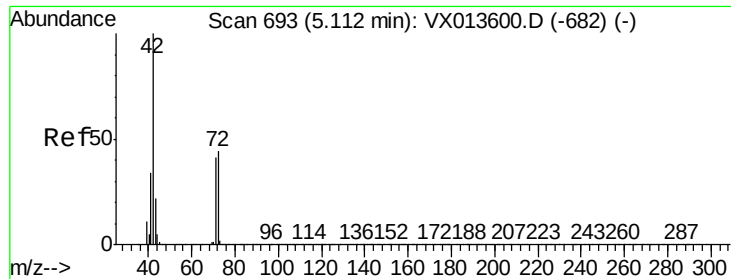
Tot Ion: 43 Resp: 2718840
Ion Ratio Lower Upper
43 100
72 25.5 20.6 31.0



#26
2,2-Dichloropropane
Concen: 24.481 ug/l
RT: 4.45 min Scan# 585
Delta R.T. -0.12 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 77 Resp: 281539
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#

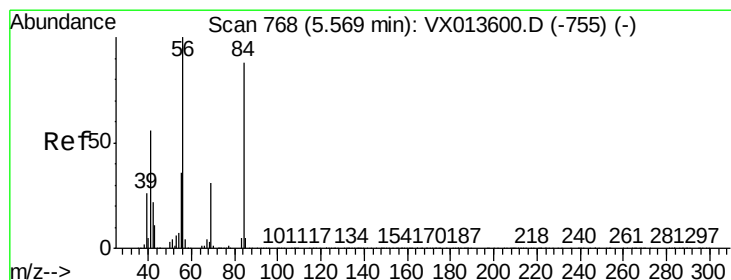
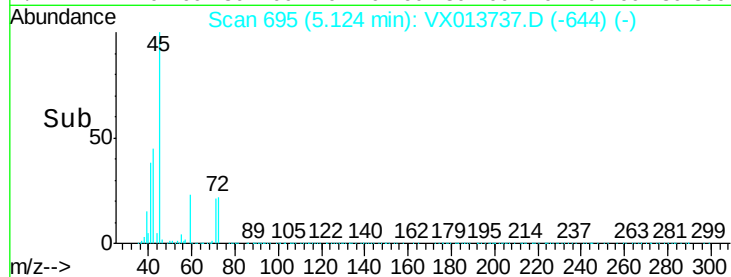
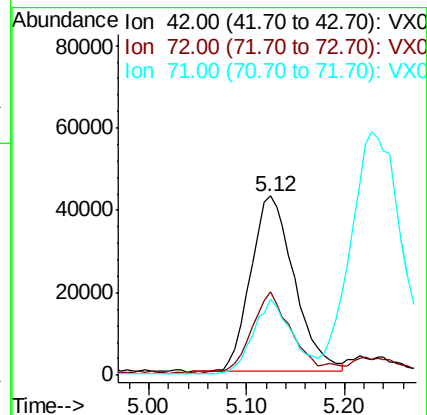
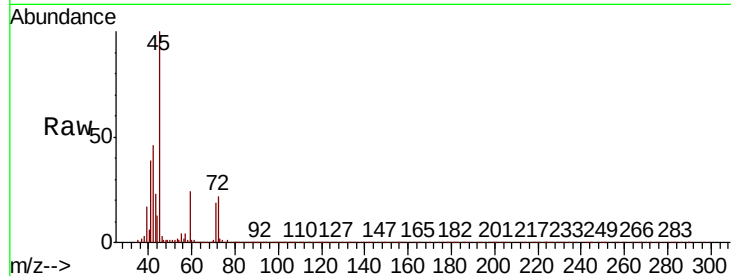




#29
Tetrahydrofuran
Concen: 32.759 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

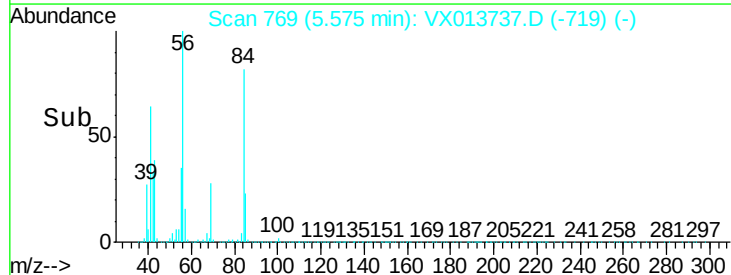
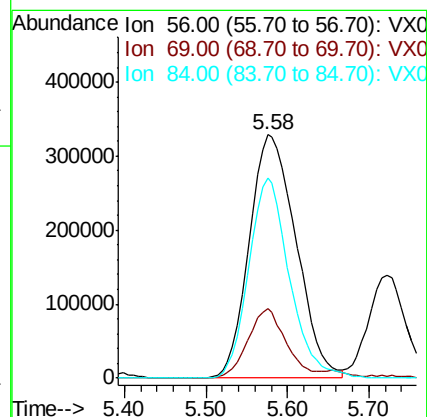
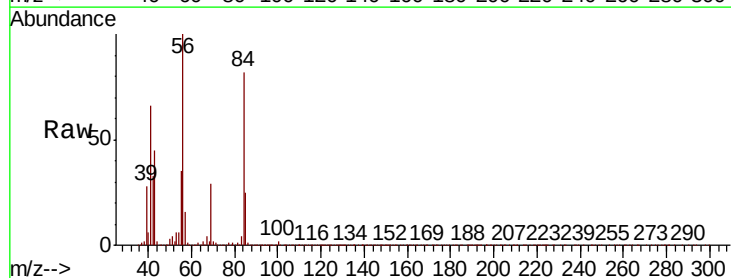
Instrument :
MSVOA_X
ClientSampleId :

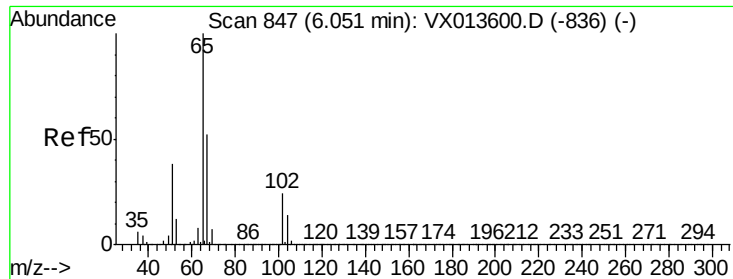
Tot Ion: 42 Resp: 131512
Ion Ratio Lower Upper
42 100
72 42.0 36.3 54.5
71 39.0 33.2 49.8



#31
Cyclohexane
Concen: 99.857 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 56 Resp: 1309135
Ion Ratio Lower Upper
56 100
69 28.5 24.6 36.8
84 82.1 70.0 105.0

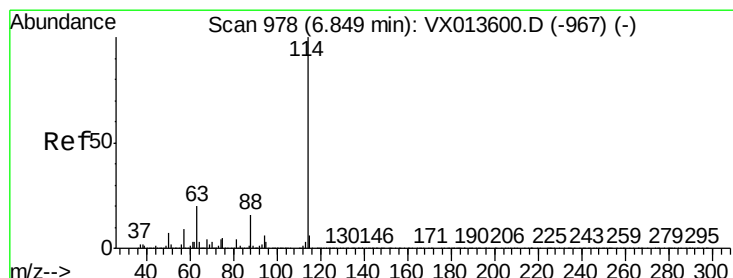
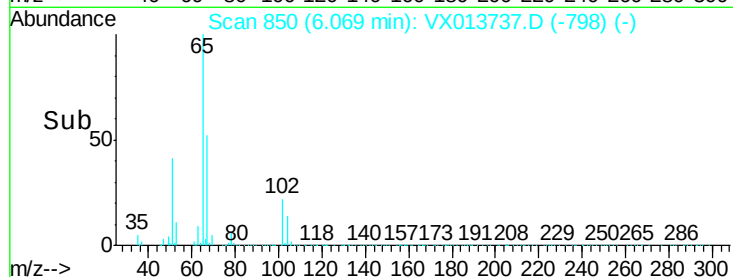
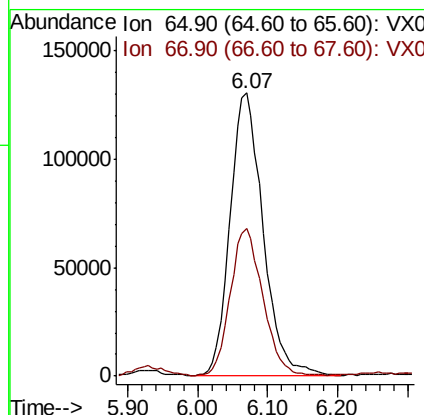
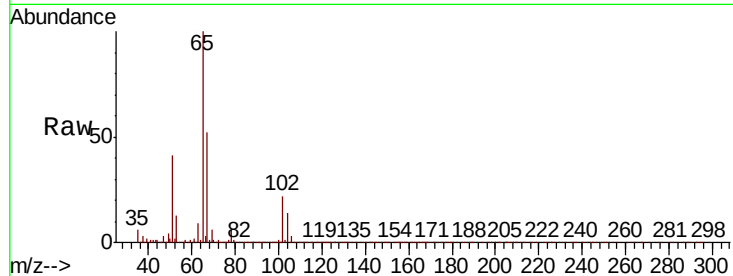




#33
 1,2-Dichloroethane-d4
 Concen: 48.006 ug/l
 RT: 6.07 min Scan# 850
 Delta R.T. 0.02 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

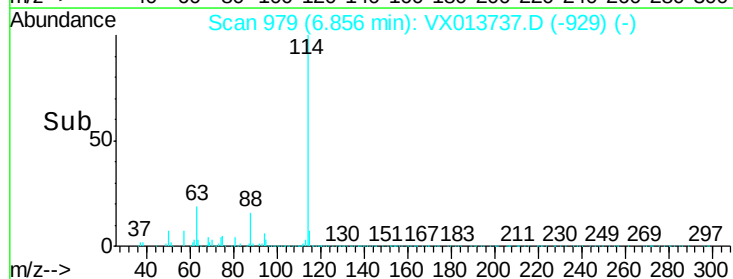
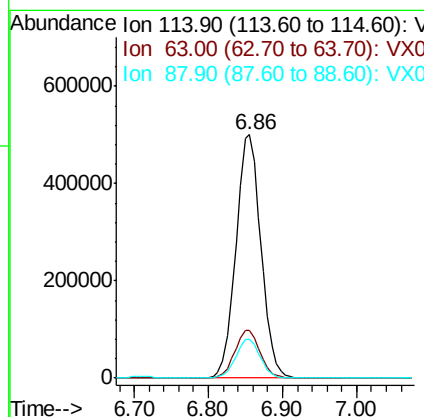
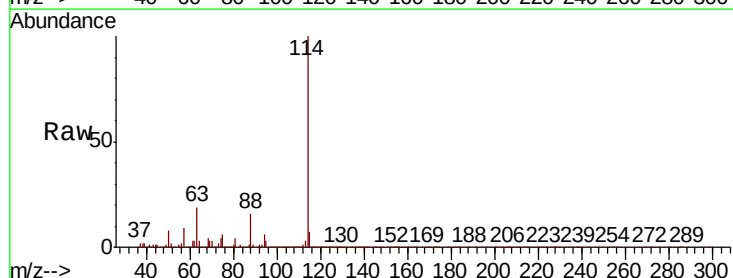
Instrument :
 MSVOA_X
 ClientSampled :

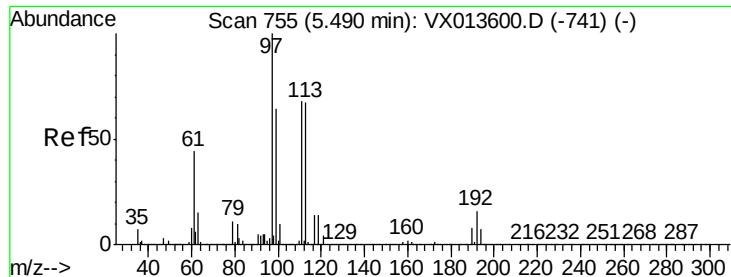
Tot Ion: 65 Resp: 426059
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

Tgt Ion: 114 Resp: 1180834
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.6
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 41.781 ug/l

RT: 5.50 min Scan# 756

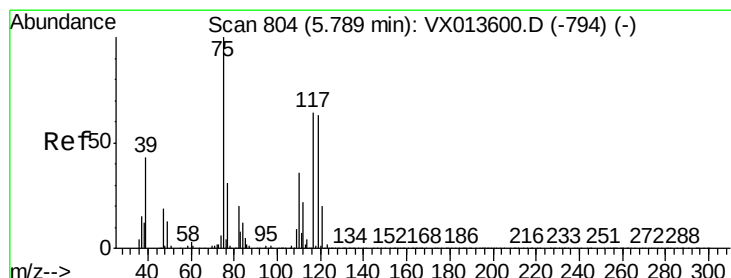
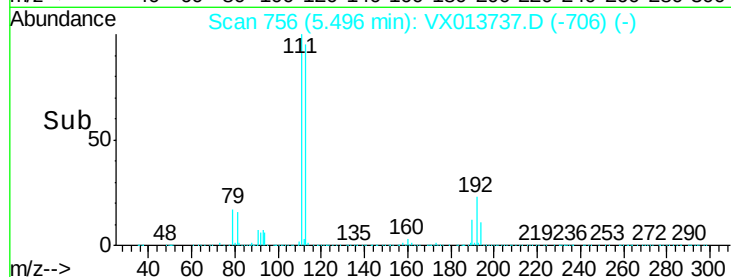
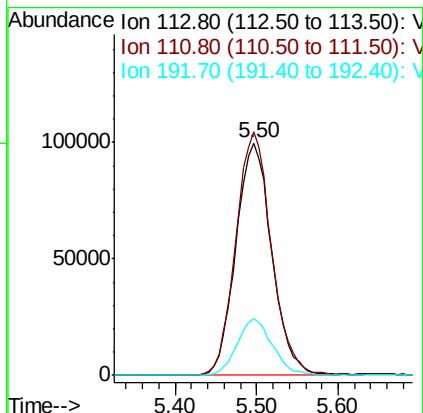
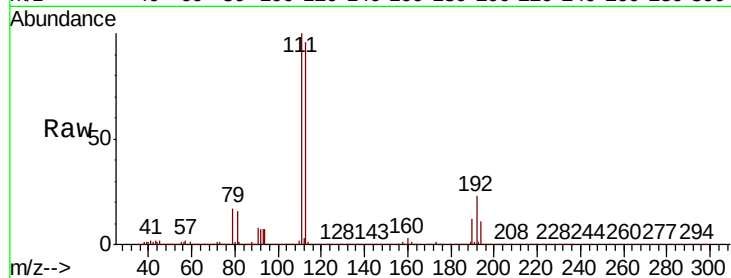
Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	113	Resp:	305006
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.6	125.4
192	24.2	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.767 ug/l

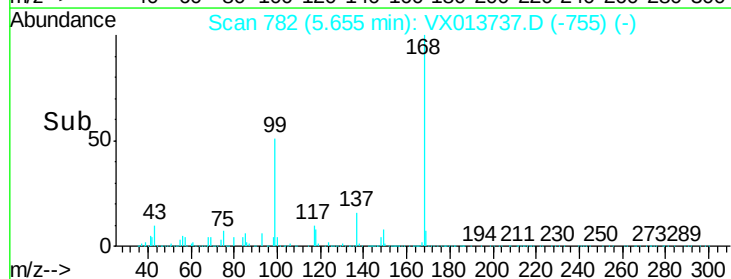
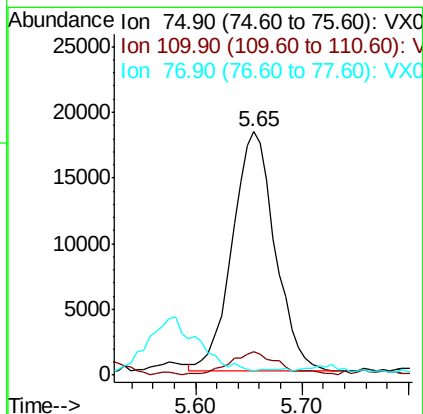
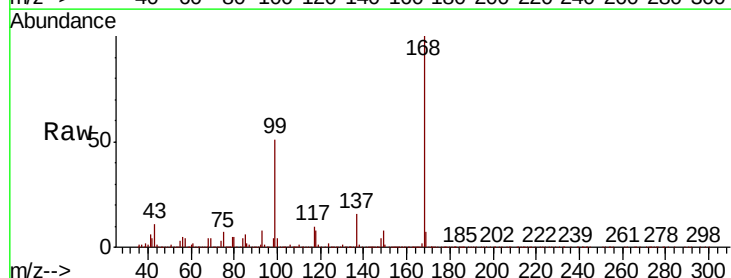
RT: 5.65 min Scan# 782

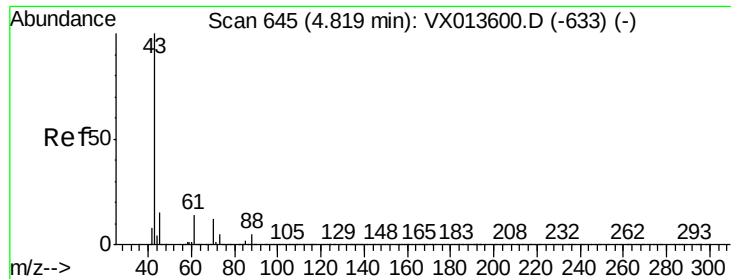
Delta R.T. -0.13 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Tgt Ion:	75	Resp:	51093
Ion	Ratio	Lower	Upper
75	100		
110	11.4	18.1	54.1#
77	0.0	24.5	36.7#

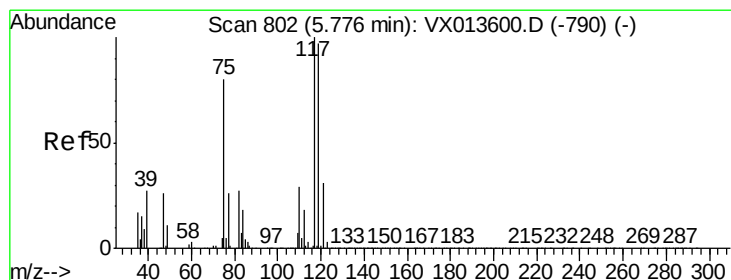
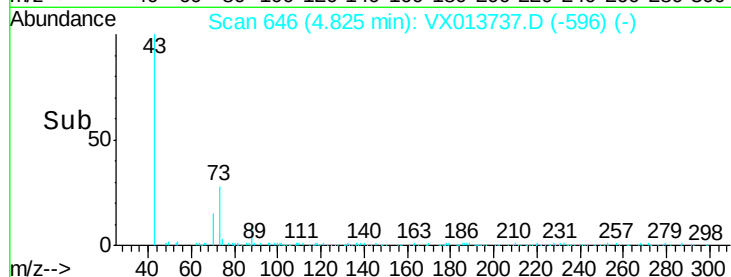
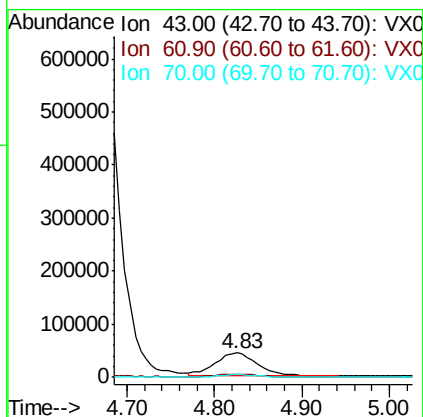
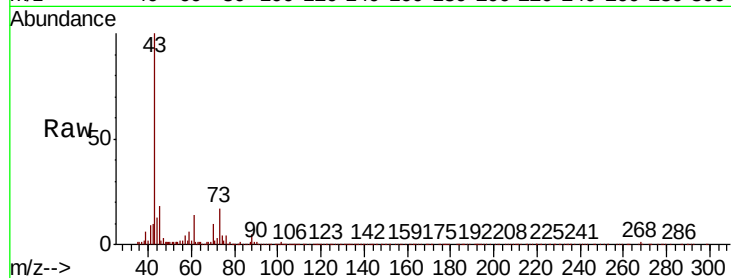




#37
Ethyl Acetate
Concen: 12.238 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

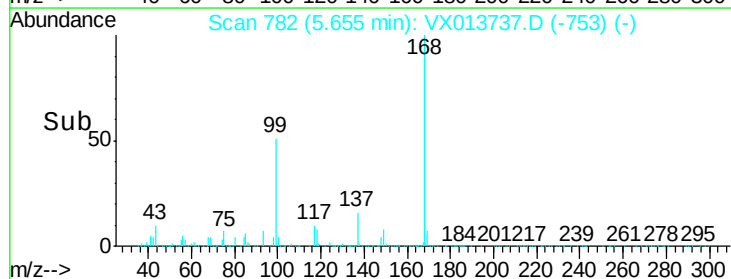
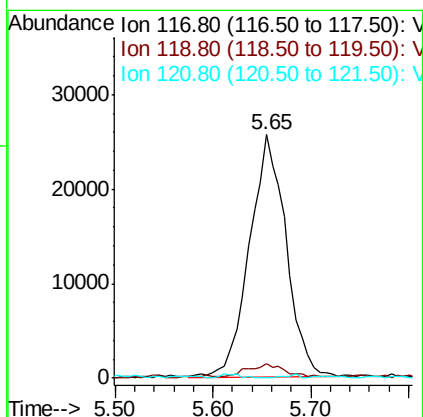
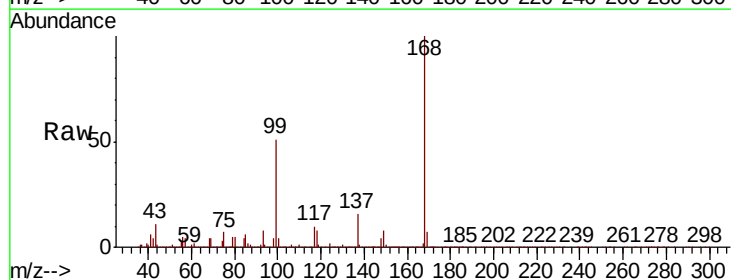
Instrument :
MSVOA_X
ClientSampled :

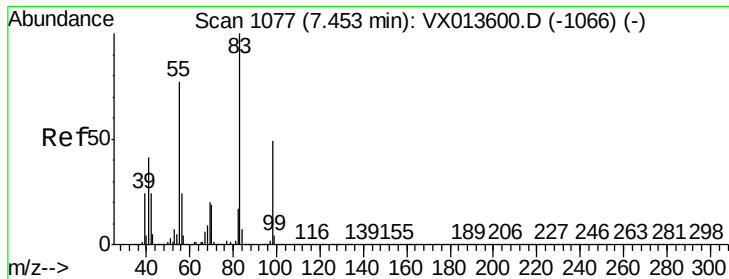
Tot Ion: 43 Resp: 147164
Ion Ratio Lower Upper
43 100
61 12.8 11.0 16.4
70 9.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 6.780 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 117 Resp: 67017
Ion Ratio Lower Upper
117 100
119 5.4 77.5 116.3#
121 0.0 25.0 37.6#





#39

Methylcyclohexane

Concen: 148.631 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

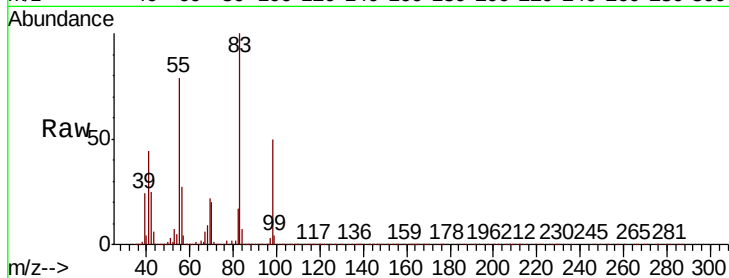
Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 1969320

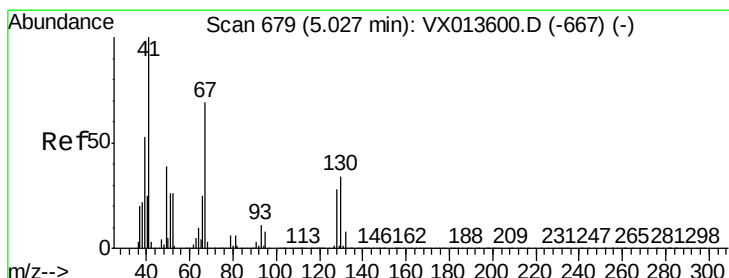
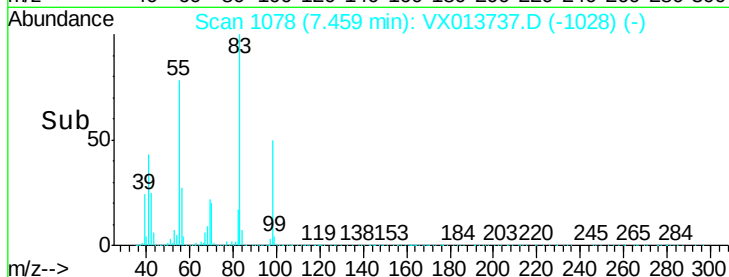
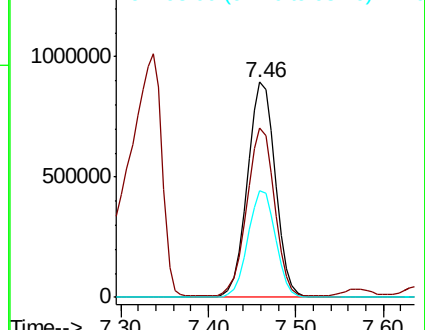
Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.9	92.9
98	49.7	39.4	59.0



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



#41

Methacrylonitrile

Concen: 16.413 ug/l

RT: 5.12 min Scan# 695

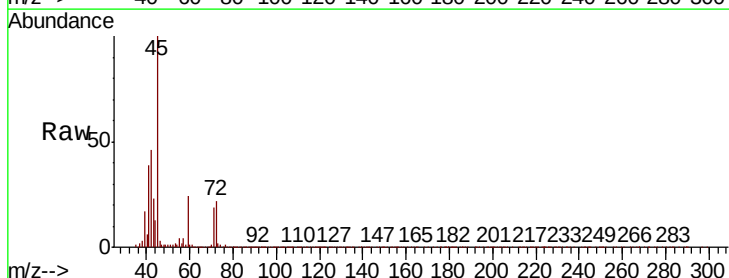
Delta R.T. 0.10 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Tgt Ion: 41 Resp: 108239

Ion	Ratio	Lower	Upper
41	100		
39	41.2	42.9	64.3#
67	0.1	57.4	86.0#
52	0.0	22.4	33.6#

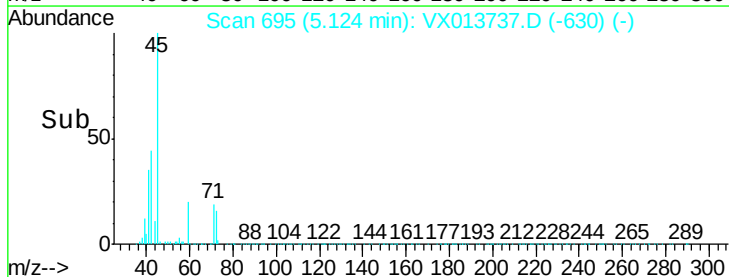
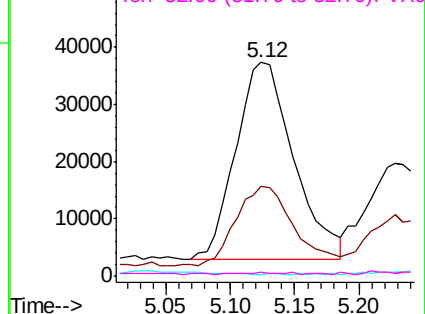


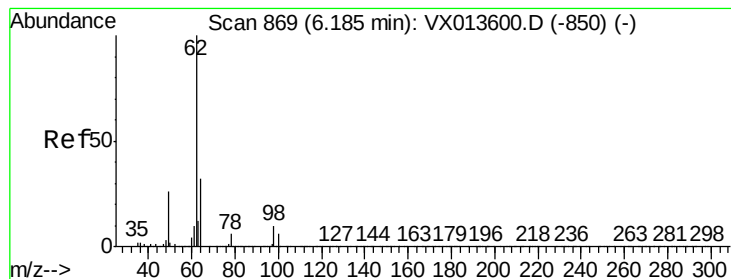
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#42

1,2-Dichloroethane

Concen: 77.855 ug/l

RT: 6.15 min Scan# 864

Delta R.T. -0.03 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

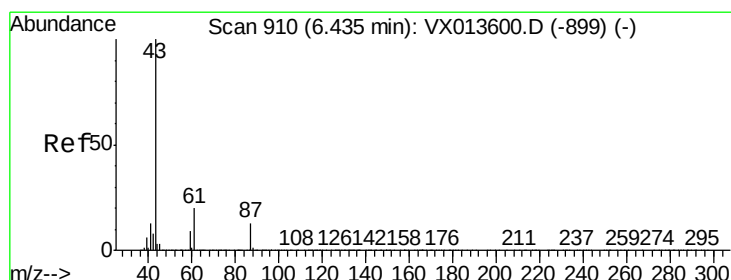
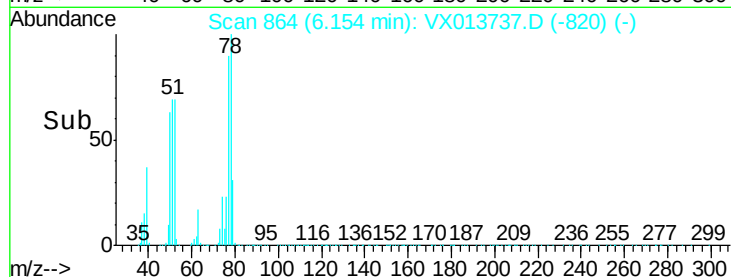
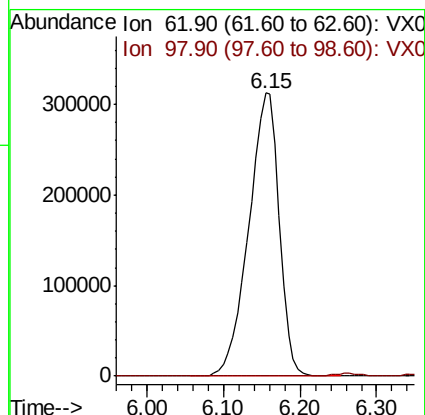
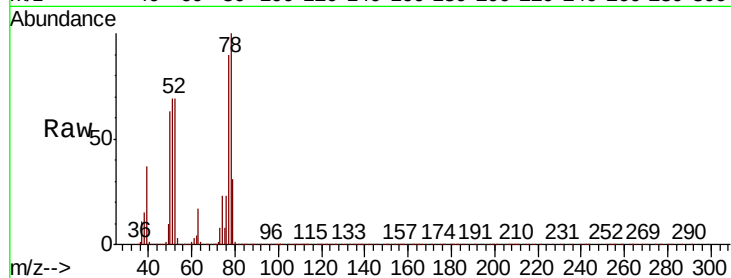
ClientSampleId :

Tot Ion: 62 Resp: 866827

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8



#43

Isopropyl Acetate

Concen: 147.043 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

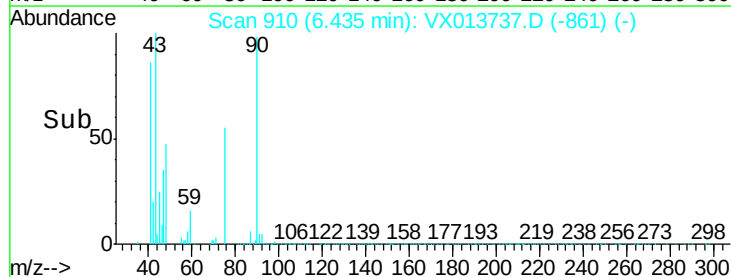
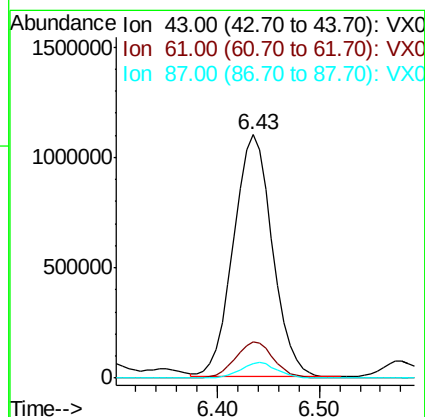
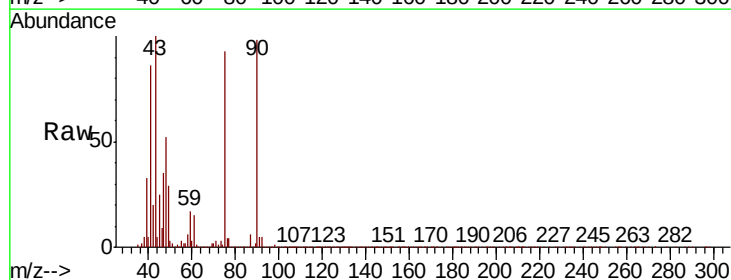
Tgt Ion: 43 Resp: 2911035

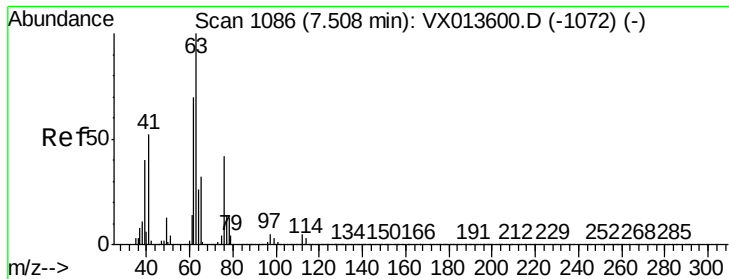
Ion Ratio Lower Upper

43 100

61 14.5 16.3 24.5#

87 6.0 10.8 16.2#





#45

1,2-Dichloropropane

Concen: 1.910 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

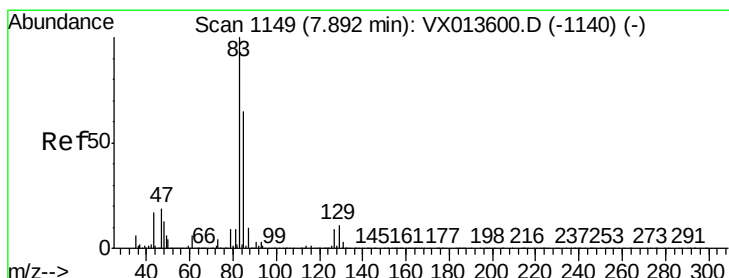
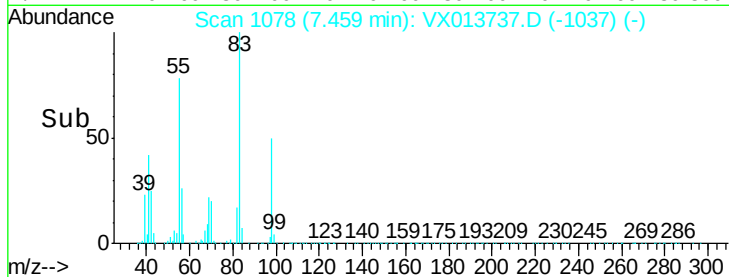
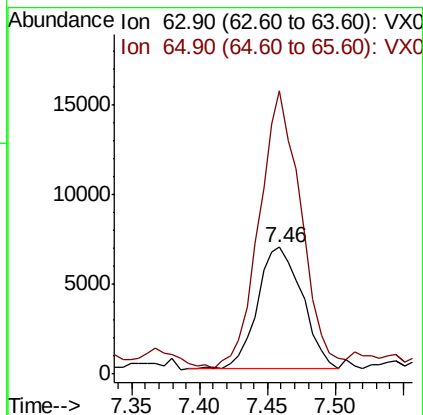
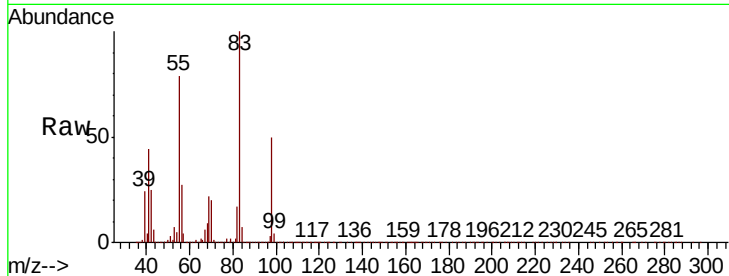
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 63 Resp: 15603

Ion Ratio Lower Upper

63 100

65 223.8 25.5 38.3#



#47

Bromodichloromethane

Concen: 0.417 ug/l

RT: 7.84 min Scan# 1141

Delta R.T. -0.05 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

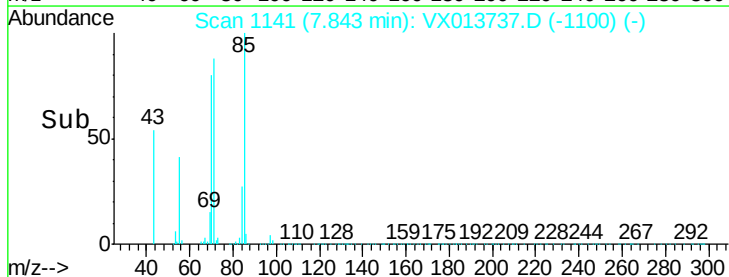
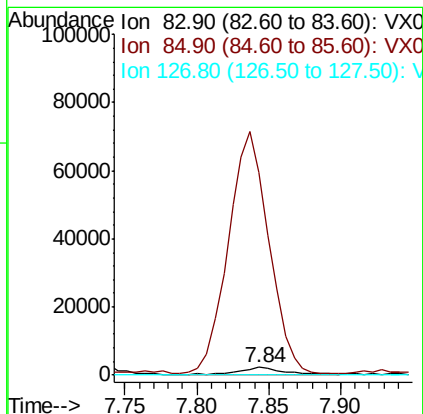
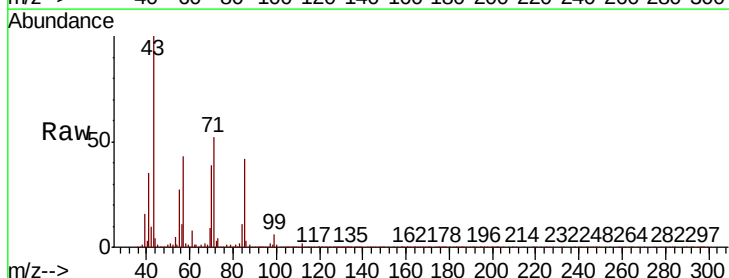
Tgt Ion: 83 Resp: 4369

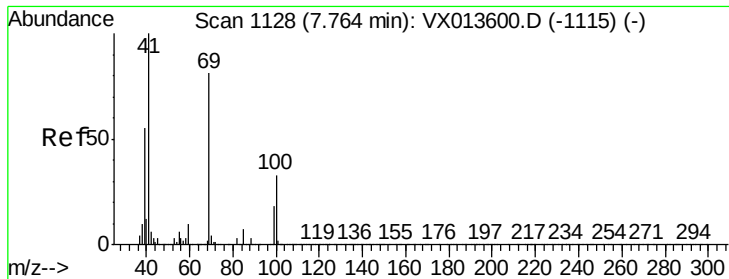
Ion Ratio Lower Upper

83 100

85 2877.3 52.1 78.1#

127 8.0 7.0 10.4

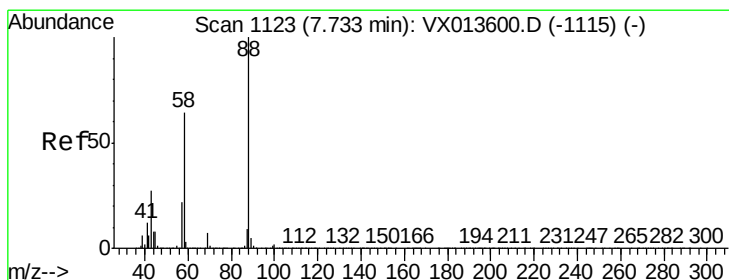
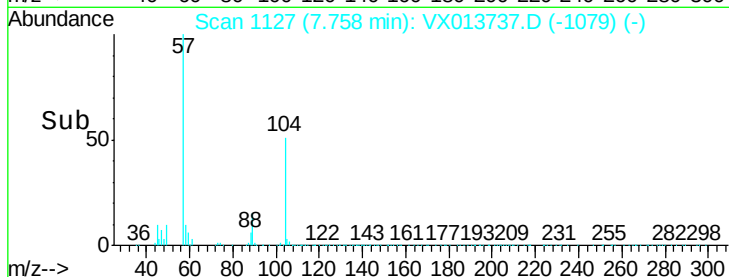
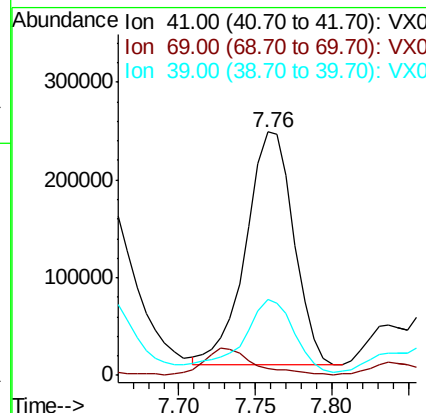
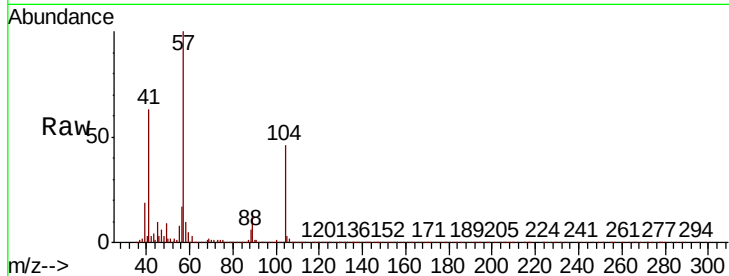




#48
Methvl methacrylate
Concen: 54.250 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

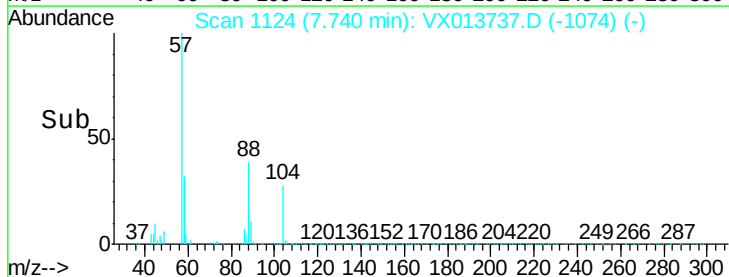
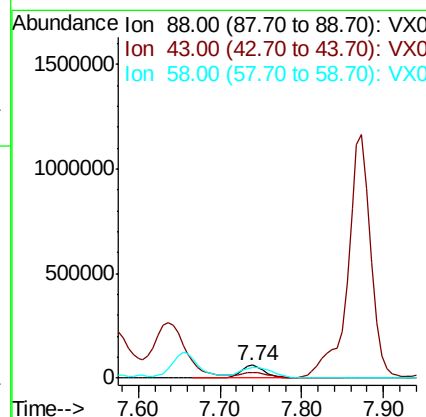
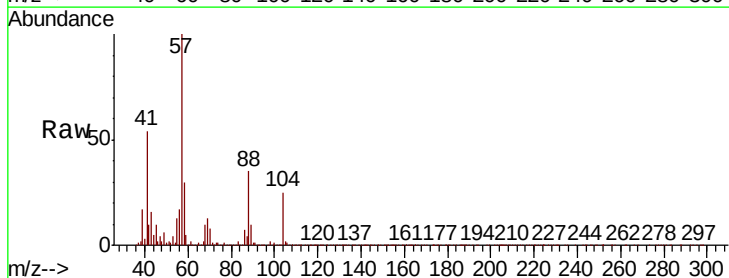
Instrument :
MSVOA_X
ClientSampleId :

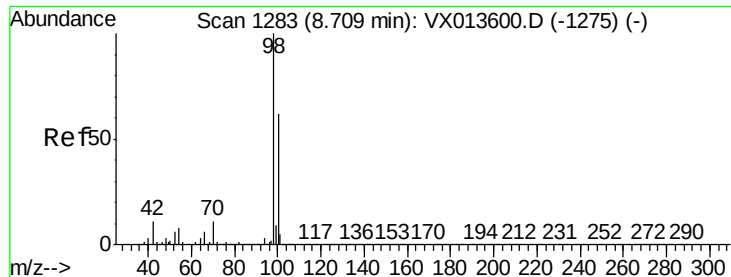
Tot Ion: 41 Resp: 521829
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 33.0 43.8 65.6#



#49
1,4-Dioxane
Concen: 566.154 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 88 Resp: 121898
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 117.3 54.6 82.0#

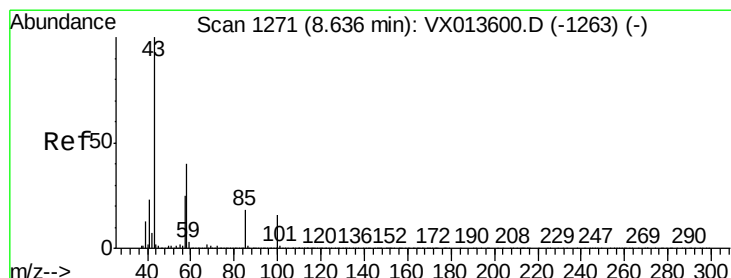
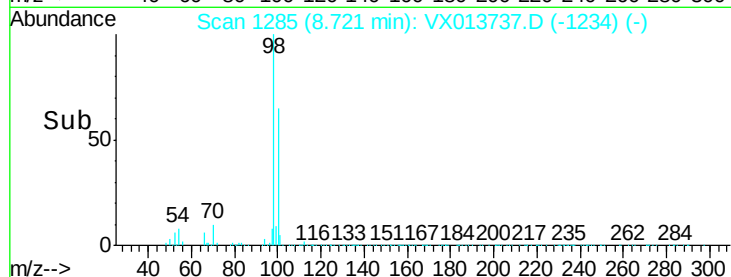
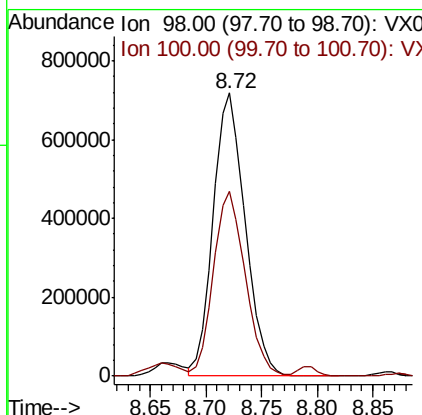
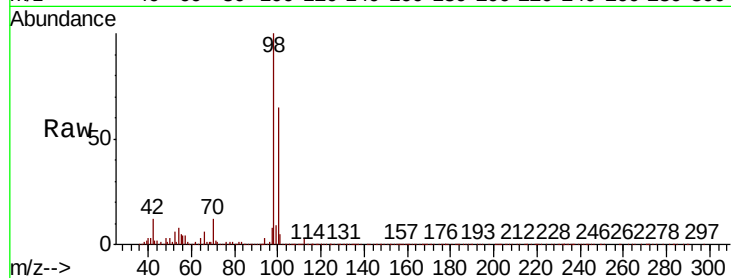




#50
Toluene-d8
Concen: 50.247 ug/l
RT: 8.72 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

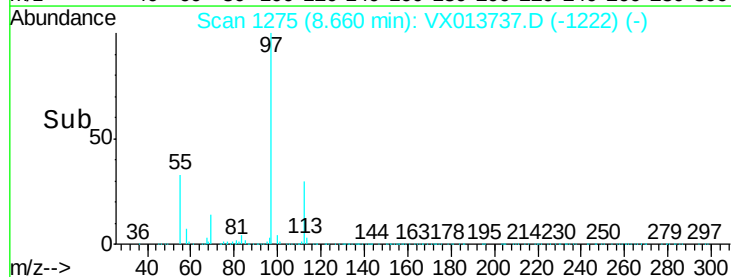
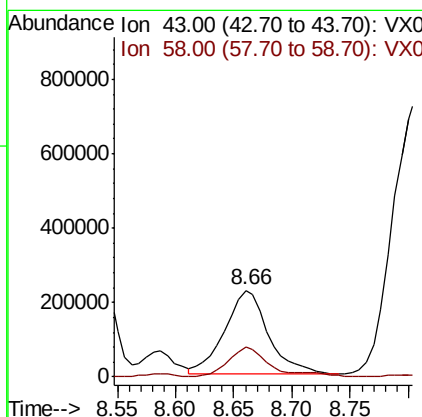
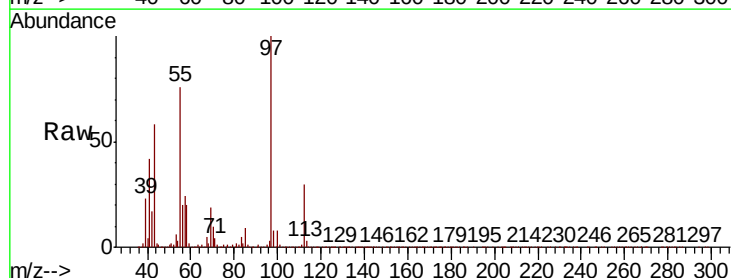
Instrument :
MSVOA_X
ClientSampleId :

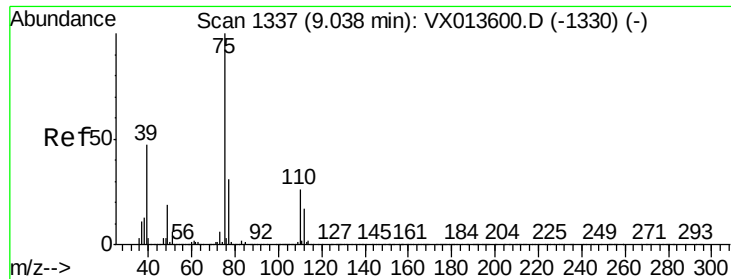
Tot Ion: 98 Resp: 1429119
Ion Ratio Lower Upper
98 100
100 64.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 46.965 ug/l
RT: 8.66 min Scan# 1275
Delta R.T. 0.02 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 43 Resp: 584848
Ion Ratio Lower Upper
43 100
58 29.3 32.1 48.1#





#53

t-1,3-Dichloropropene

Concen: 27.581 ug/l

RT: 9.13 min Scan# 1352

Delta R.T. 0.09 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

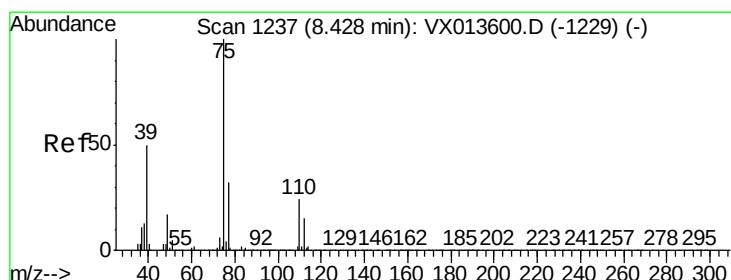
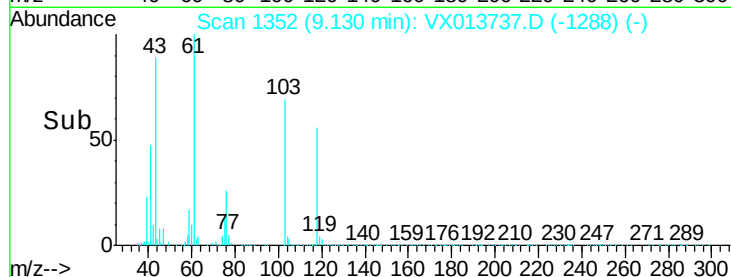
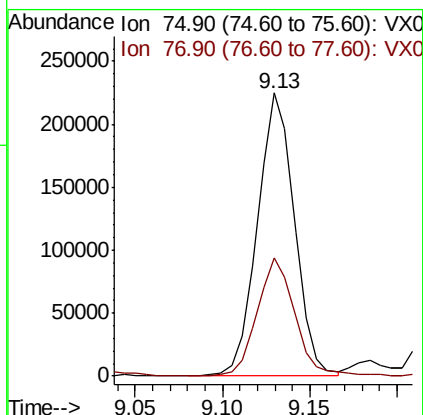
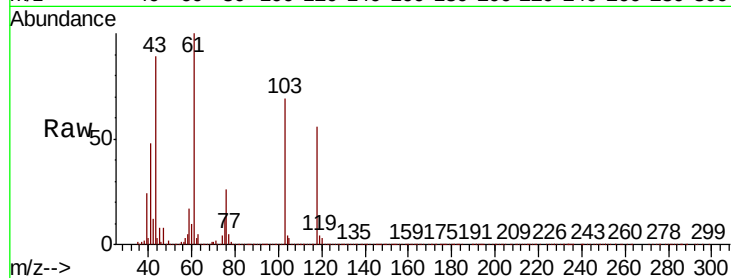
ClientSampled :

Tot Ion: 75 Resp: 329244

Ion Ratio Lower Upper

75 100

77 41.6 24.4 36.6#



#54

cis-1,3-Dichloropropene

Concen: 21.320 ug/l

RT: 8.40 min Scan# 1233

Delta R.T. -0.02 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

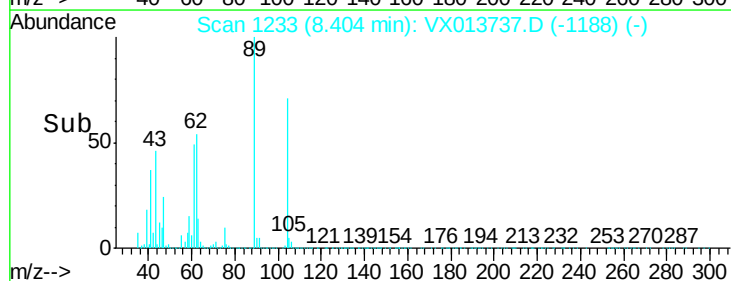
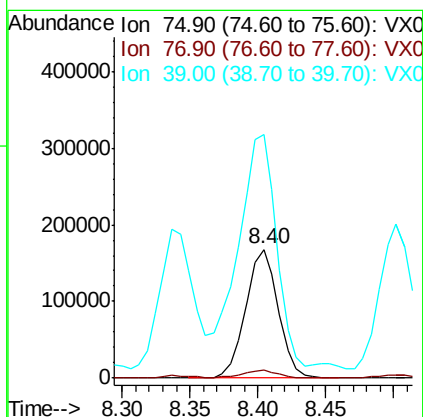
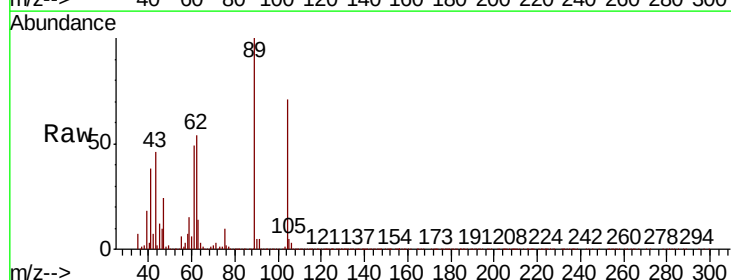
Tgt Ion: 75 Resp: 278047

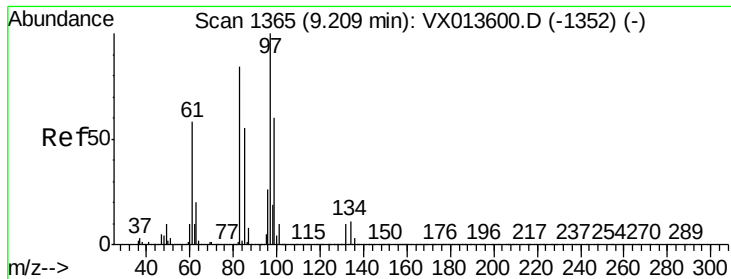
Ion Ratio Lower Upper

75 100

77 5.9 25.8 38.6#

39 179.9 39.9 59.9#





#55

1,1,2-Trichloroethane

Concen: 30.256 ug/l

RT: 9.17 min Scan# 1358

Delta R.T. -0.04 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 247282

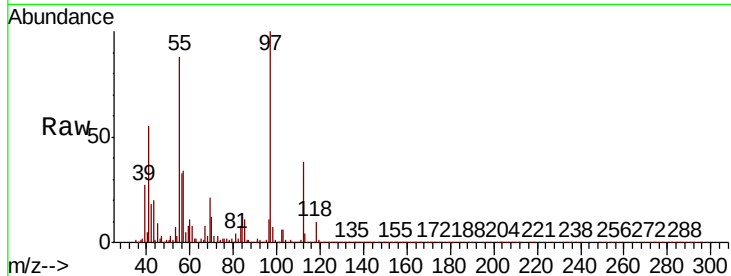
Ion Ratio Lower Upper

97 100

83 7.7 67.3 100.9#

85 9.7 43.6 65.4#

99 0.4 48.2 72.4#

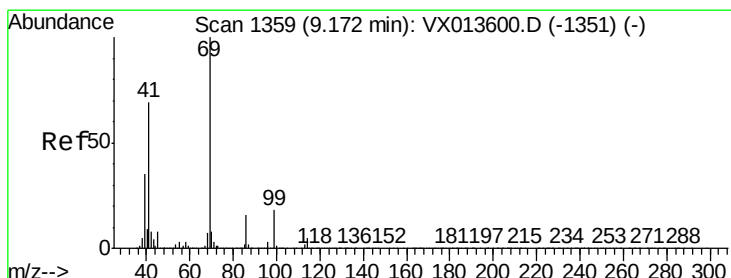
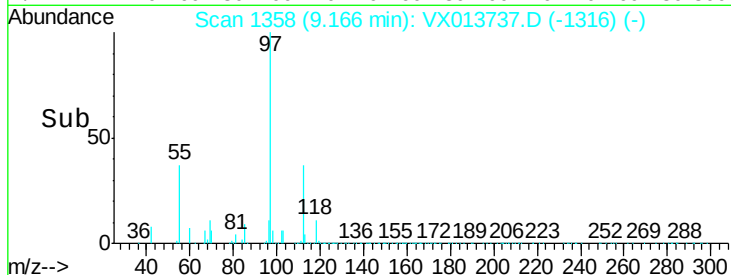
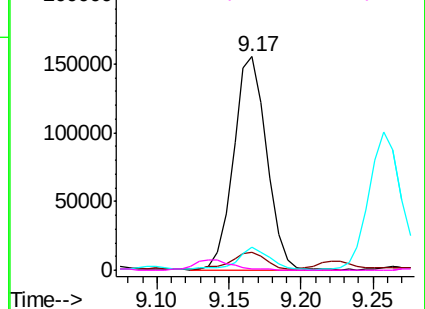


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 3.919 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

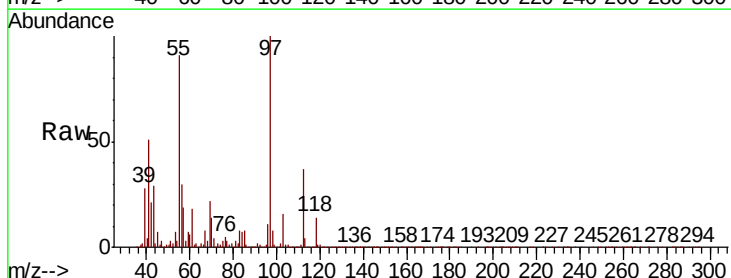
Tgt Ion: 69 Resp: 51493

Ion Ratio Lower Upper

69 100

41 278.6 55.0 82.4#

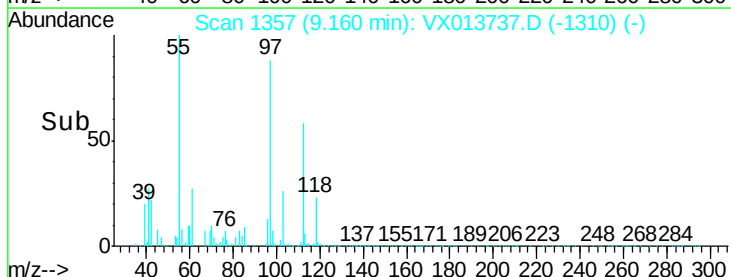
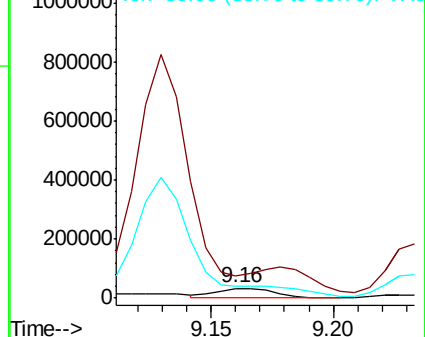
39 0.0 28.7 43.1#

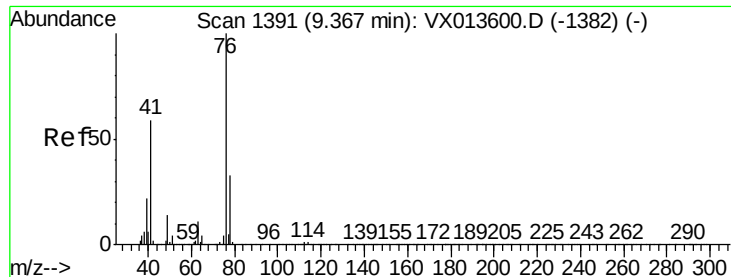


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 4.321 ug/l

RT: 9.23 min Scan# 1369

Delta R.T. -0.13 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

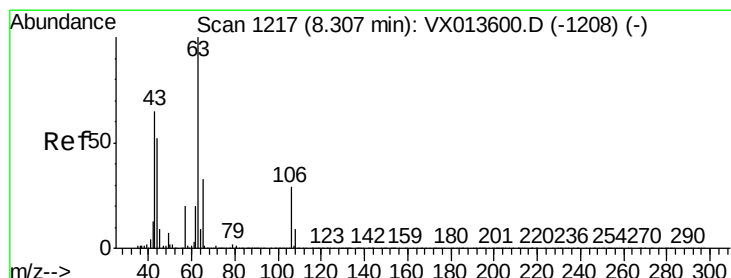
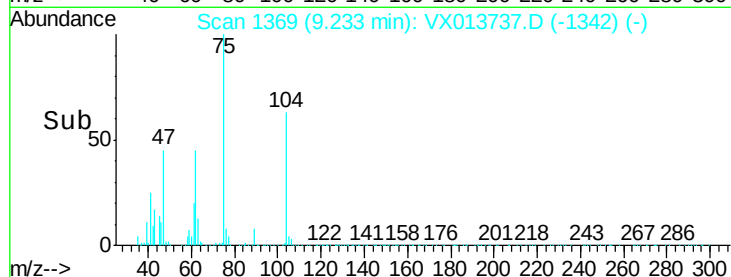
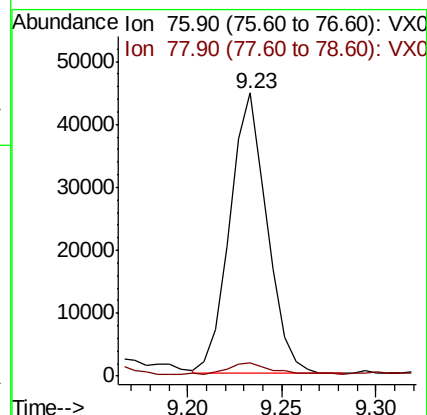
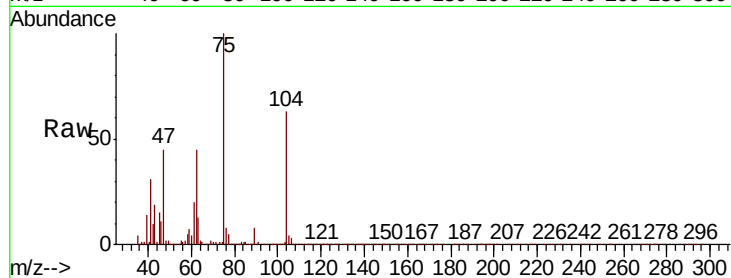
ClientSampled :

Tot Ion: 76 Resp: 60868

Ion Ratio Lower Upper

76 100

78 4.9 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 78.713 ug/l

RT: 8.40 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VX013737.D

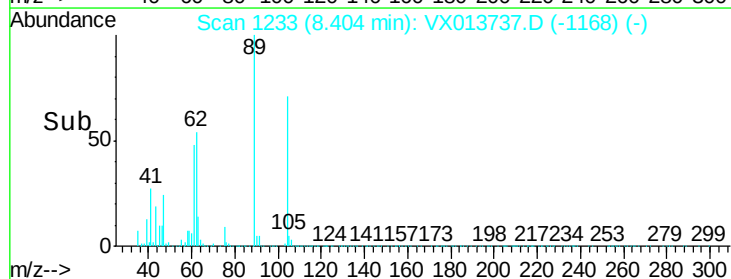
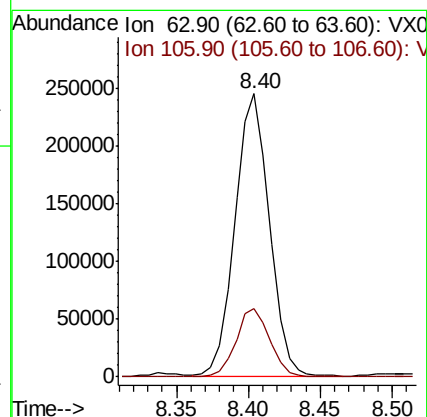
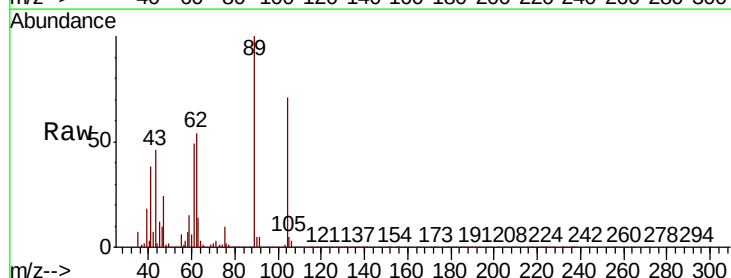
Acq: 03 Dec 2019 20:04

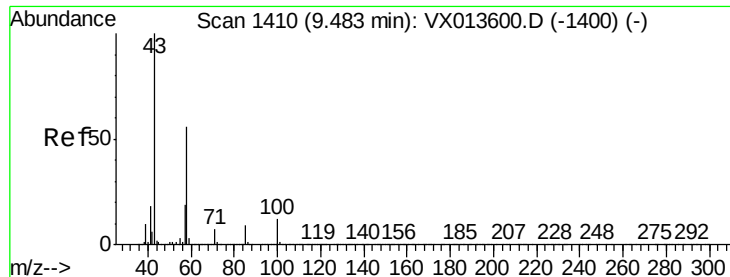
Tgt Ion: 63 Resp: 405520

Ion Ratio Lower Upper

63 100

106 24.1 23.4 35.0

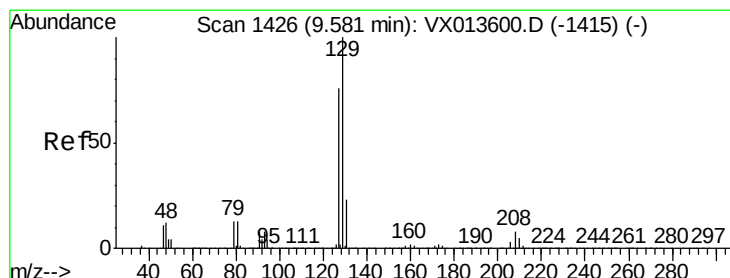
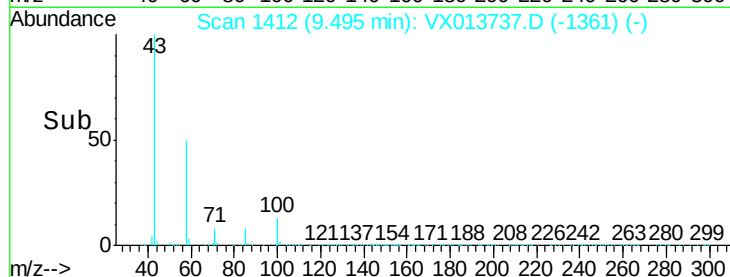
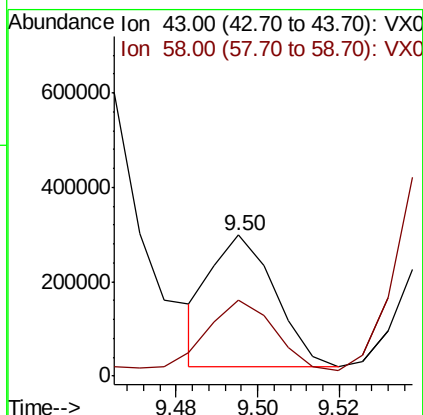
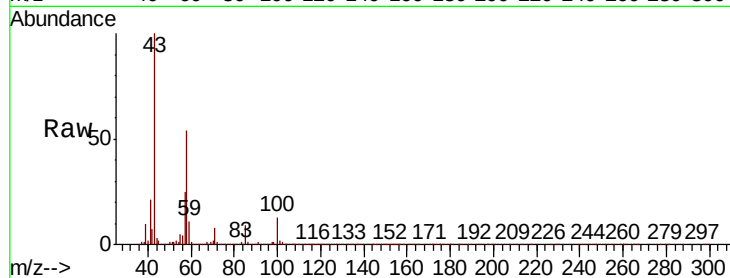




#59
2-Hexanone
Concen: 31.271 ug/l
RT: 9.50 min Scan# 1412
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

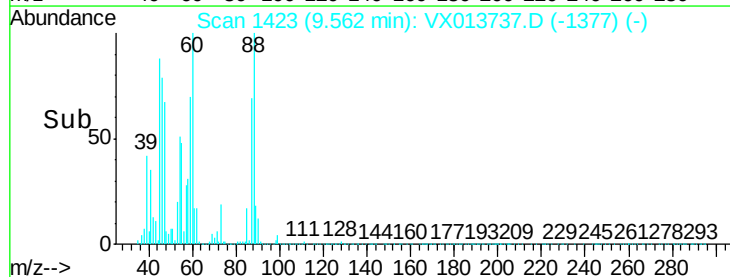
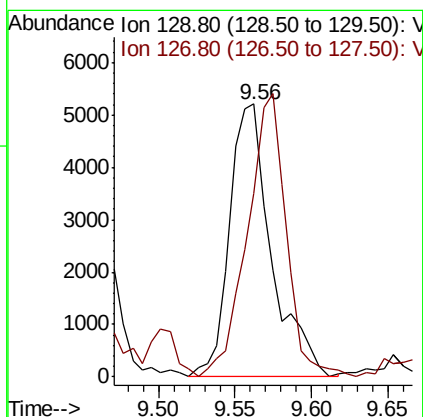
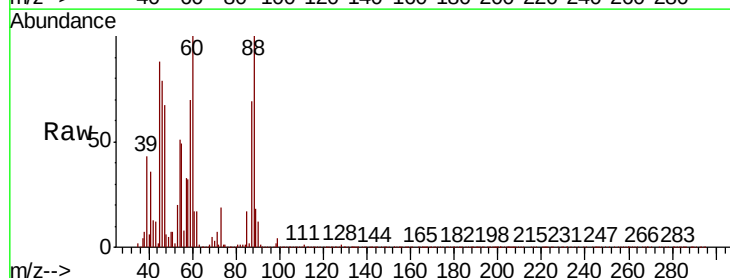
Instrument :
MSVOA_X
ClientSampleId :

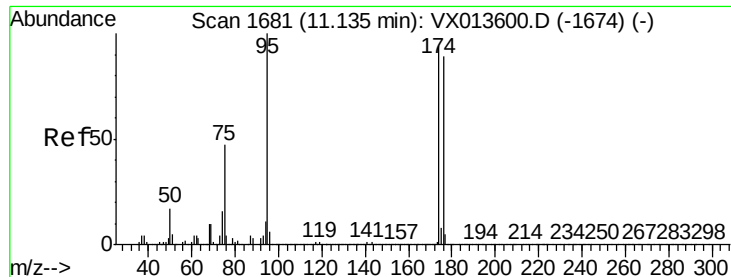
Tot Ion: 43 Resp: 303718
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.4#



#60
Dibromochloromethane
Concen: 1.168 ug/l
RT: 9.56 min Scan# 1423
Delta R.T. -0.02 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 129 Resp: 9905
Ion Ratio Lower Upper
129 100
127 96.4 38.5 115.5





#62

4-Bromofluorobenzene

Concen: 51.238 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

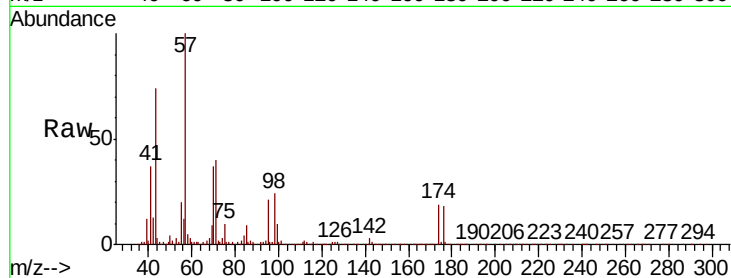
Tot Ion: 95 Resp: 525509

Ion Ratio Lower Upper

95 100

174 87.0 0.0 180.0

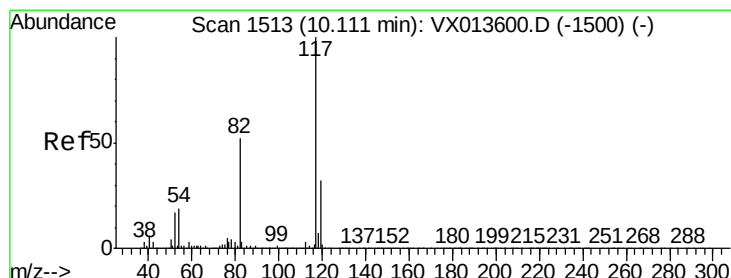
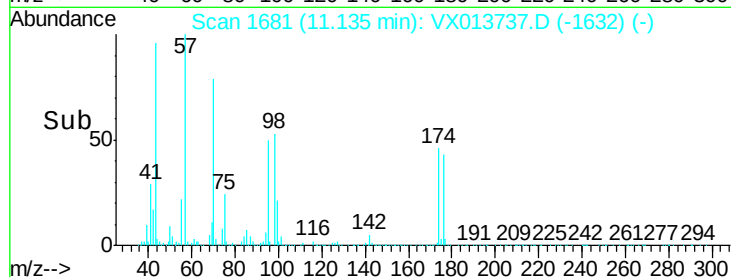
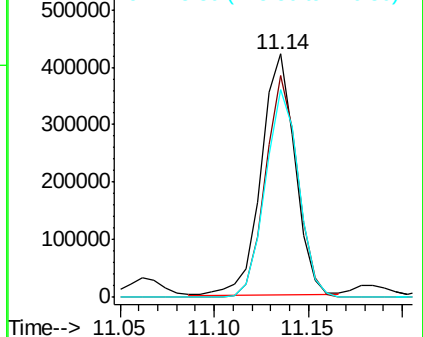
176 84.1 0.0 173.6



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: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

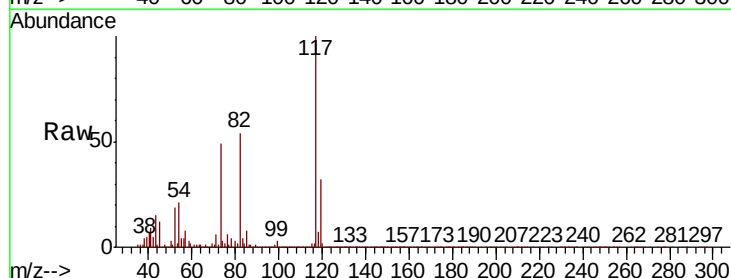
Tgt Ion: 117 Resp: 1053898

Ion Ratio Lower Upper

117 100

82 53.7 41.8 62.8

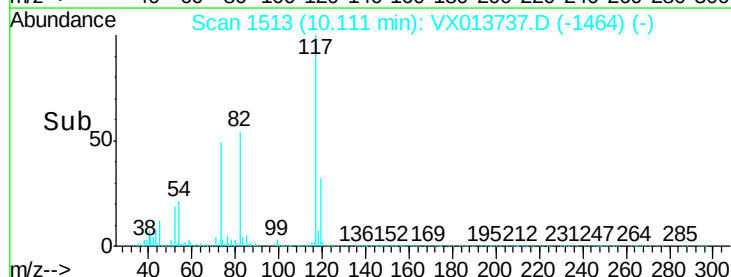
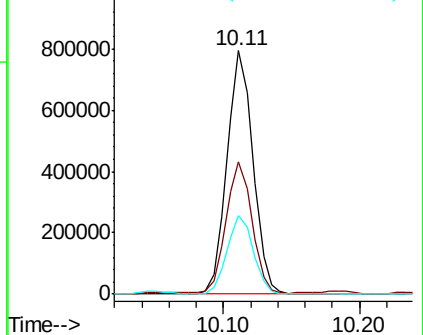
119 32.2 25.8 38.8

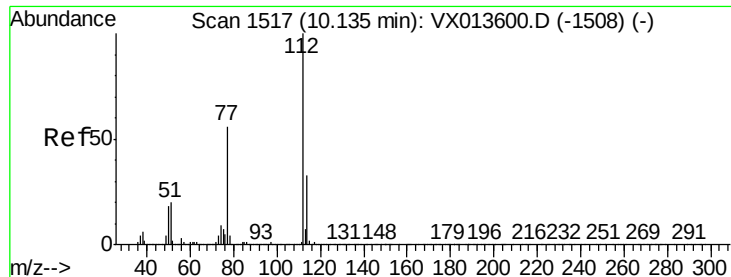


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

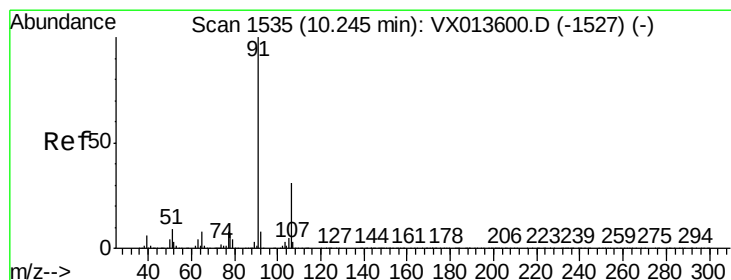
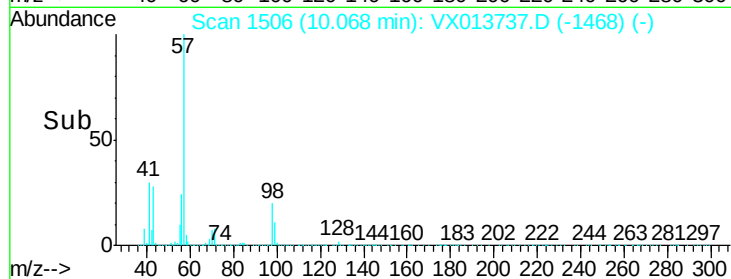
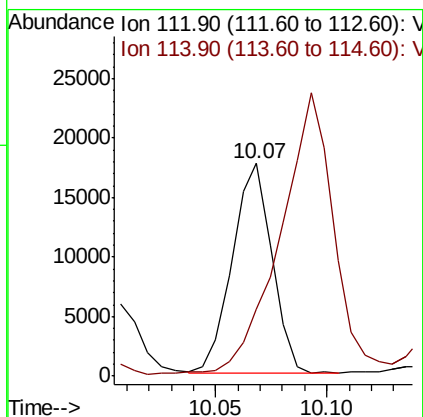
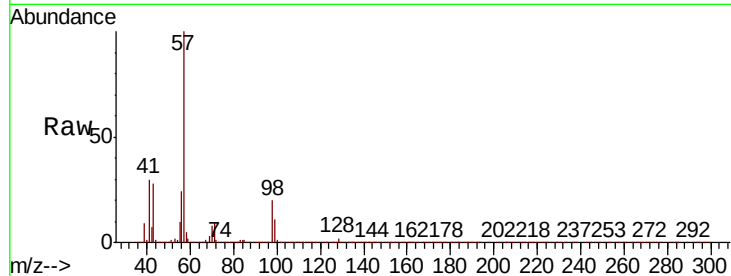




#65
Chlorobenzene
Concen: 1.012 ug/l
RT: 10.07 min Scan# 1506
Delta R.T. -0.07 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

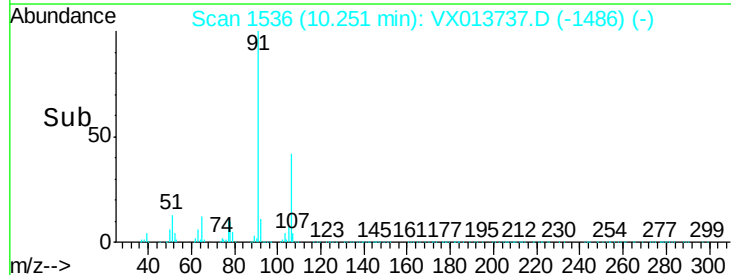
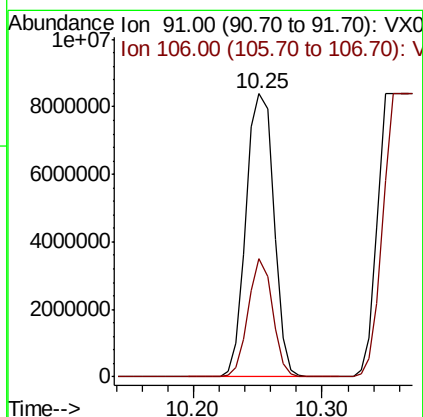
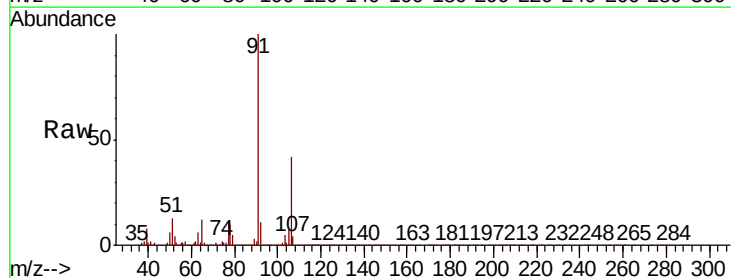
Instrument :
MSVOA_X
ClientSampleId :

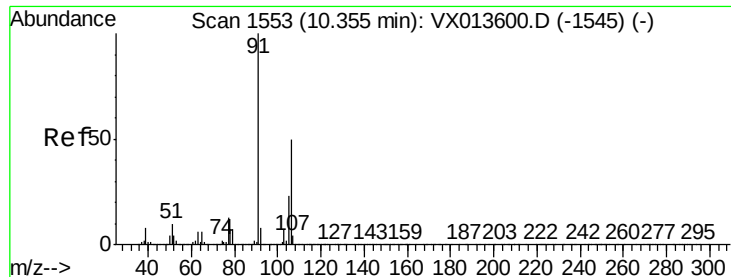
Tot Ion:112 Resp: 22141
Ion Ratio Lower Upper
112 100
114 29.4 26.1 39.1



#67
Ethyl Benzene
Concen: 331.412 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion: 91 Resp:12461140
Ion Ratio Lower Upper
91 100
106 41.7 24.5 36.7#





#68

m/p-Xylenes

Concen: 1341.752 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

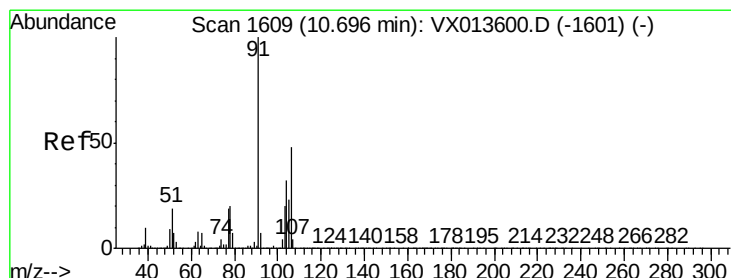
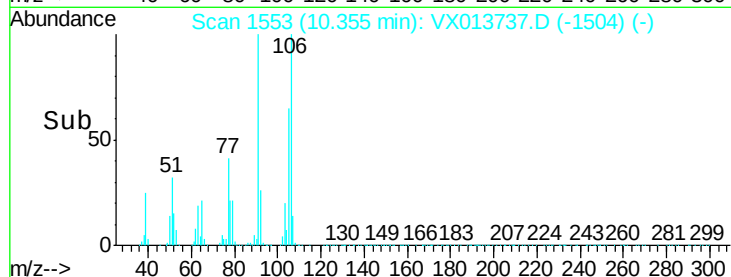
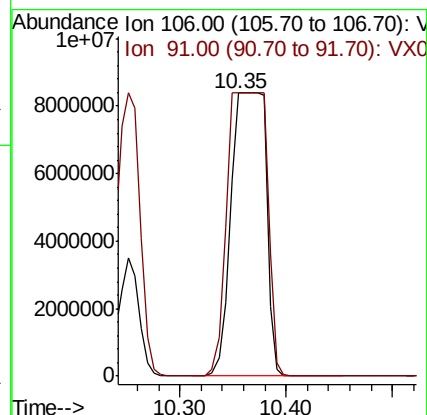
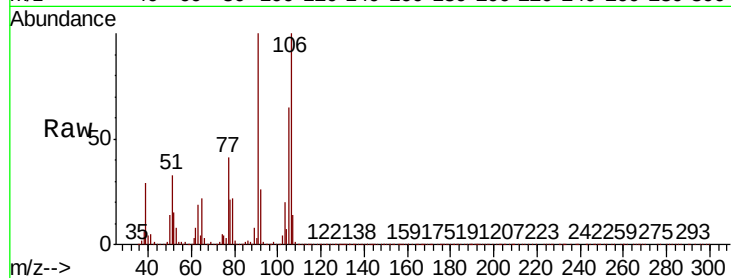
ClientSampled :

Tot Ion:106 Resp:19315110

Ion Ratio Lower Upper

106 100

91 0.0 159.0 238.4#



#69

o-Xylene

Concen: 725.537 ug/l

RT: 10.70 min Scan# 1610

Delta R.T. 0.01 min

Lab File: VX013737.D

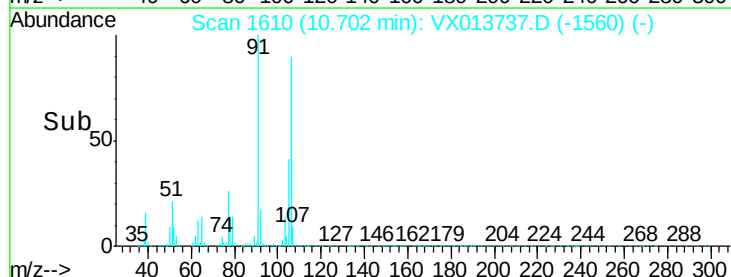
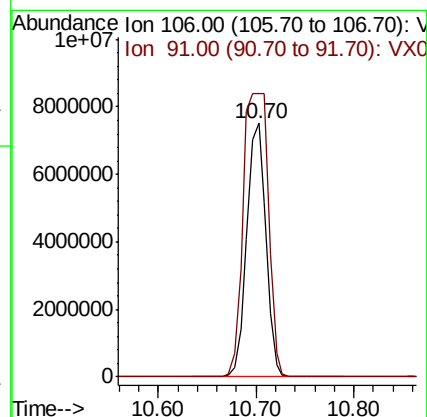
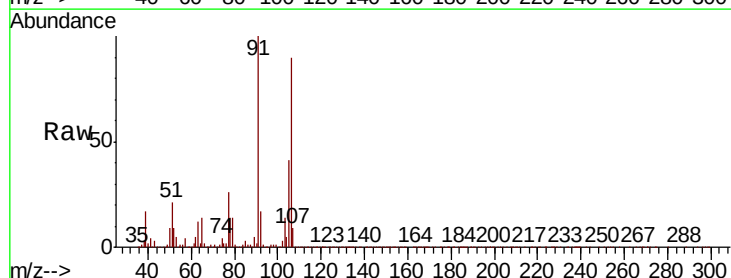
Acq: 03 Dec 2019 20:04

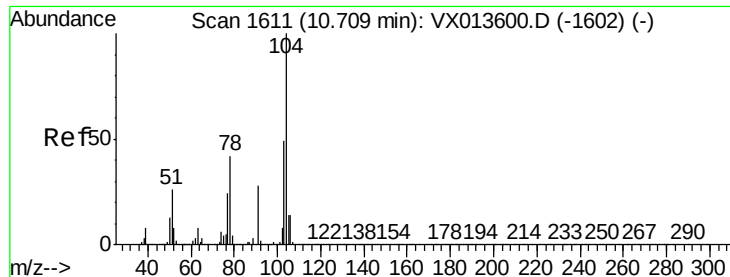
Tgt Ion:106 Resp:10186418

Ion Ratio Lower Upper

106 100

91 148.7 104.1 312.2

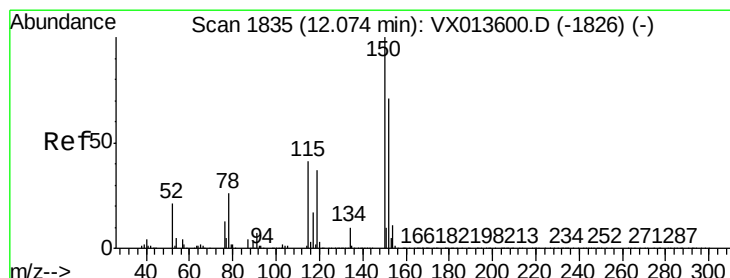
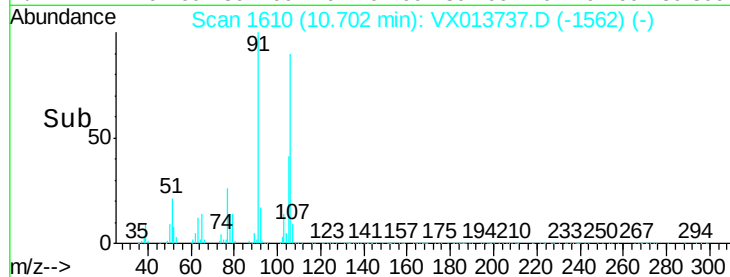
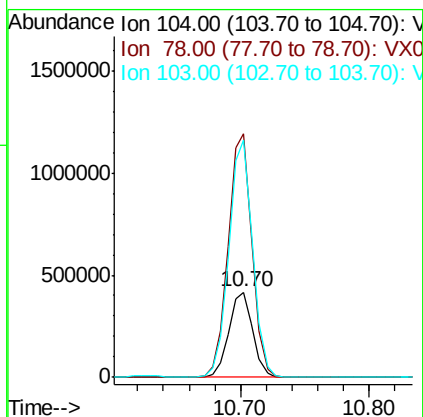
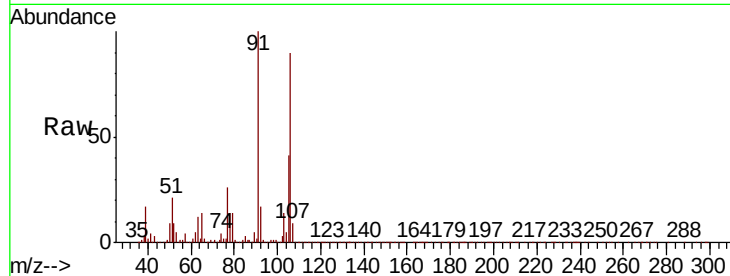




#70
Stvrene
Concen: 22.950 ug/l
RT: 10.70 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

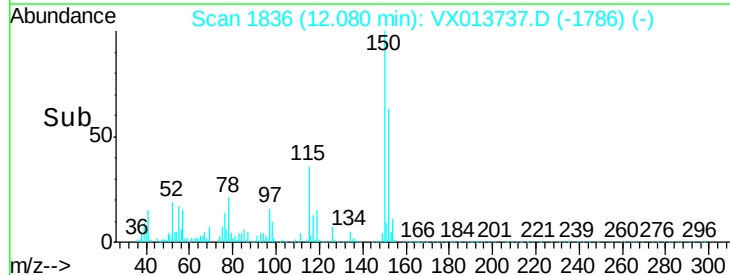
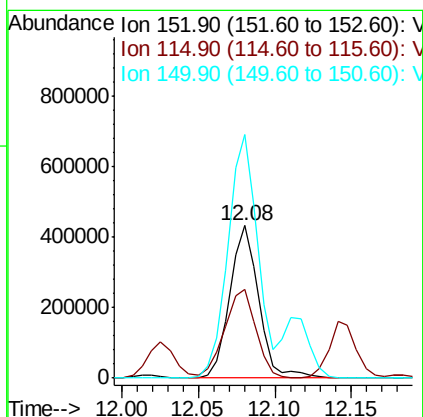
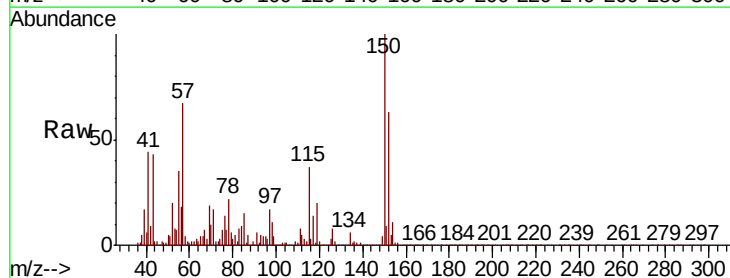
Instrument :
MSVOA_X
ClientSampleId :

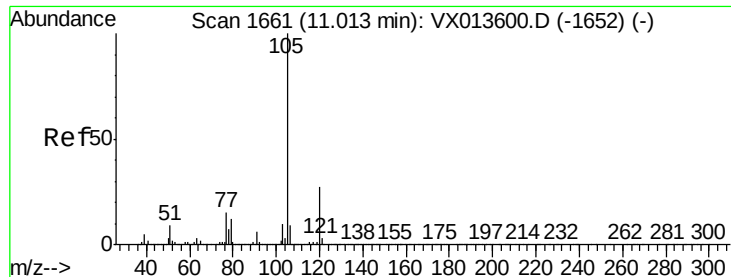
Tot Ion:104 Resp: 542023
Ion Ratio Lower Upper
104 100
78 285.0 38.5 57.7#
103 276.0 43.7 65.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion:152 Resp: 564712
Ion Ratio Lower Upper
152 100
115 61.9 38.4 115.1
150 163.7 0.0 346.8





#73

Isopropylbenzene

Concen: 48.571 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

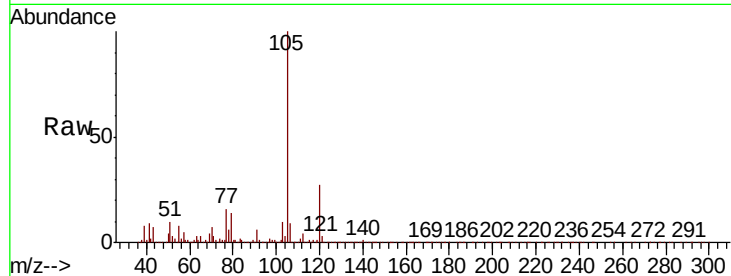
ClientSampleId :

Tot Ion:105 Resp: 1924024

Ion Ratio Lower Upper

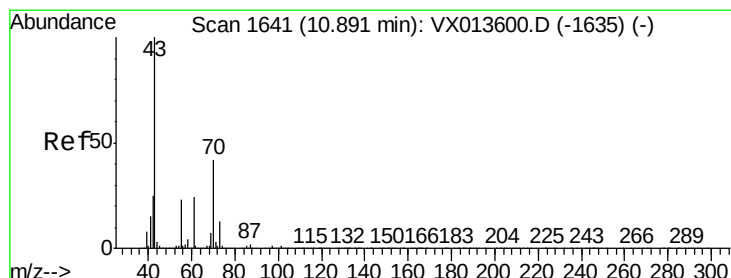
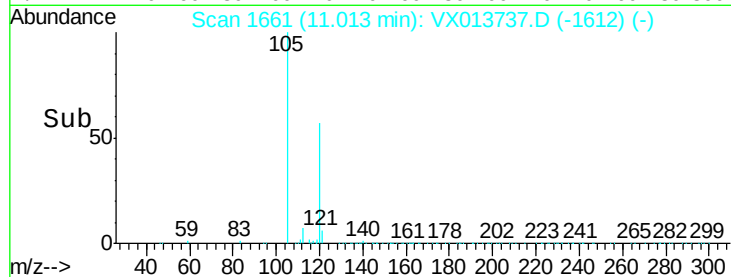
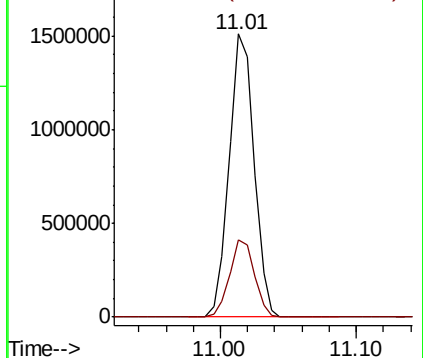
105 100

120 27.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.138 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Tgt Ion: 43 Resp: 310993

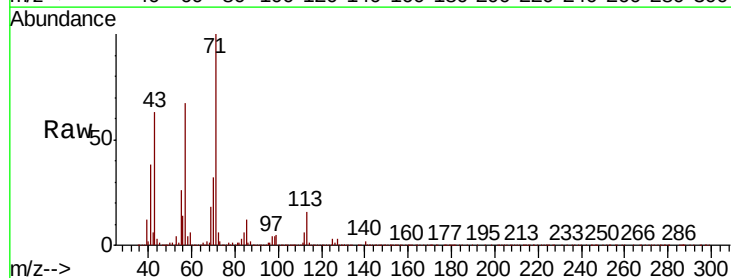
Ion Ratio Lower Upper

43 100

70 57.0 34.3 51.5#

55 0.0 18.5 27.7#

61 0.0 19.8 29.8#

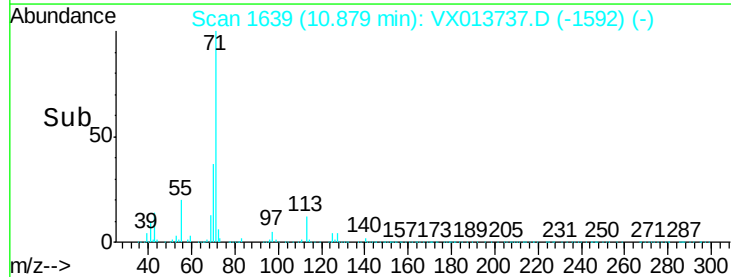
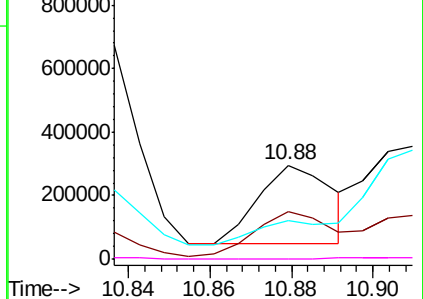


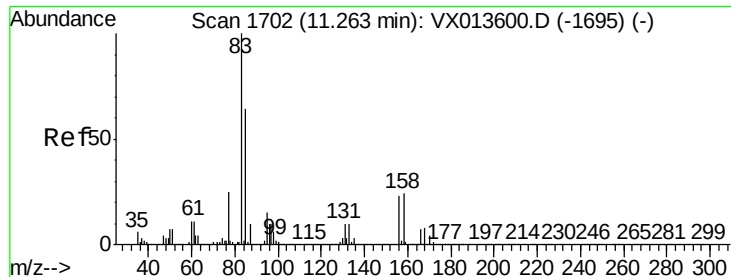
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 10.773 ug/l

RT: 11.24 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

ClientSampleId :

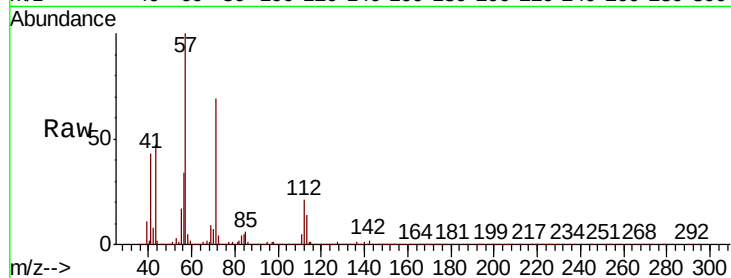
Tot Ion: 83 Resp: 147992

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

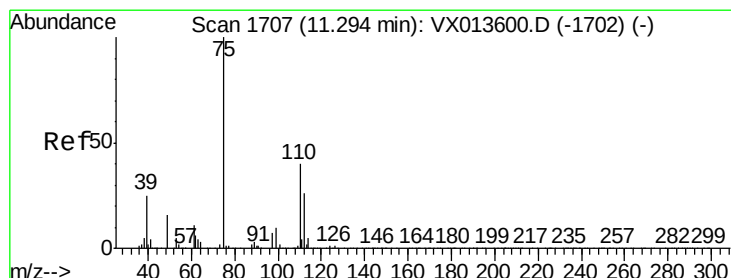
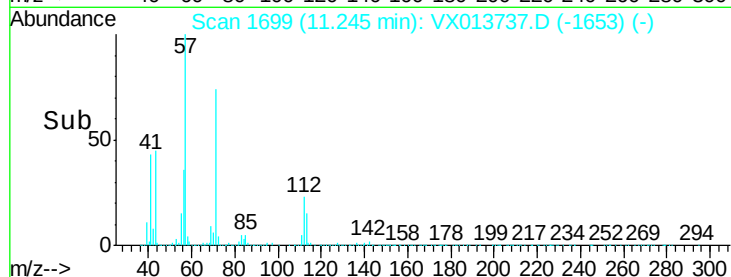
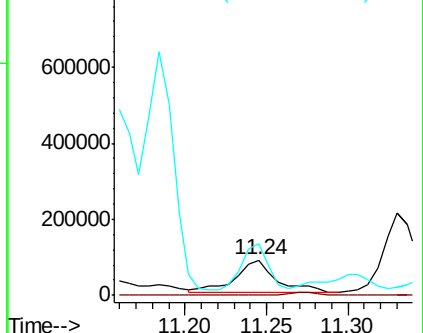
85 92.4 31.8 95.3



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: 4.051 ug/l

RT: 11.33 min Scan# 1713

Delta R.T. 0.04 min

Lab File: VX013737.D

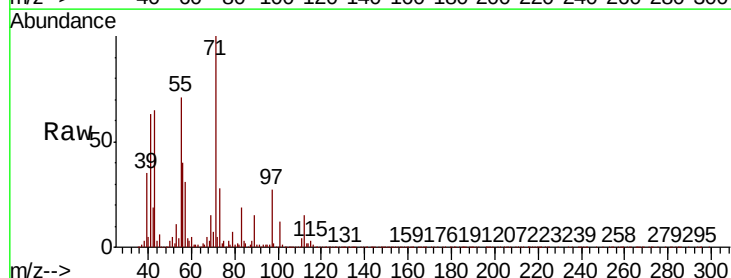
Acq: 03 Dec 2019 20:04

Tgt Ion: 75 Resp: 51459

Ion Ratio Lower Upper

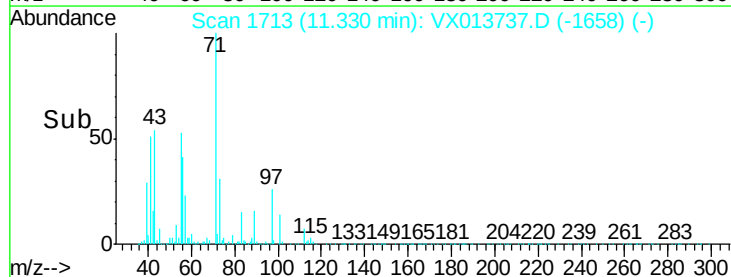
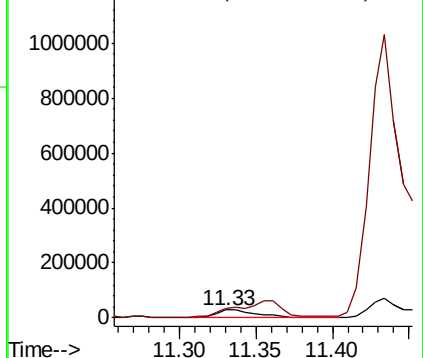
75 100

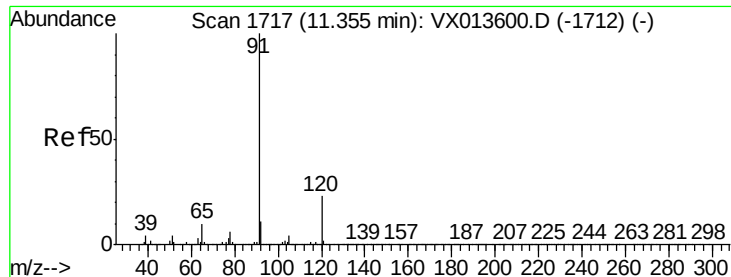
77 0.0 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 45.730 ug/l

RT: 11.36 min Scan# 1718

Delta R.T. 0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

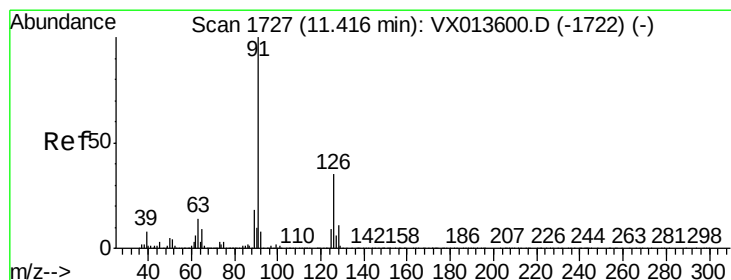
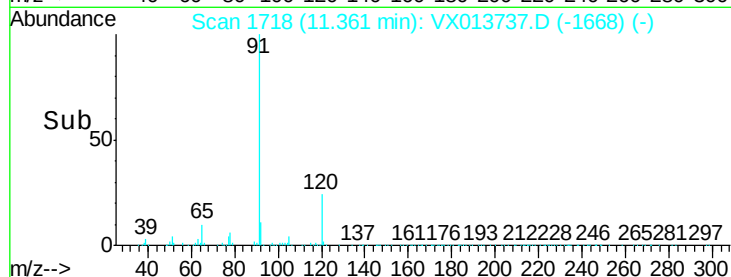
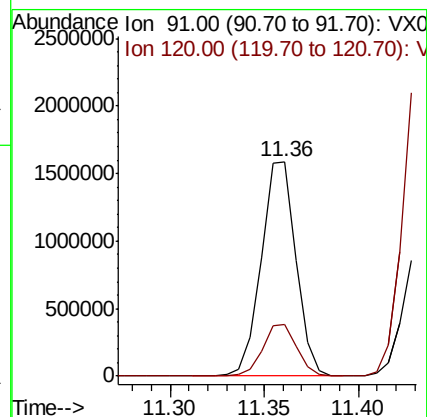
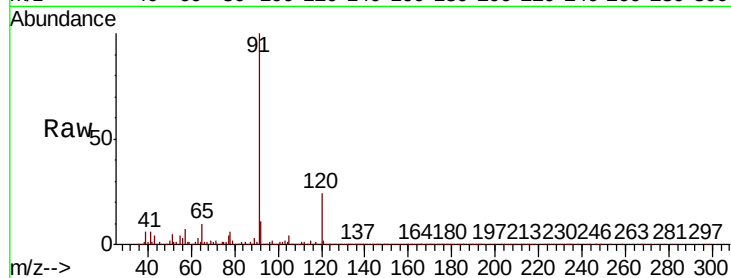
ClientSampleId :

Tot Ion: 91 Resp: 2022164

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.3



#79

2-Chlorotoluene

Concen: 62.446 ug/l

RT: 11.43 min Scan# 1730

Delta R.T. 0.02 min

Lab File: VX013737.D

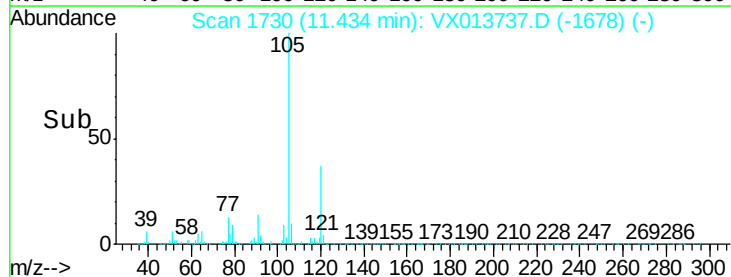
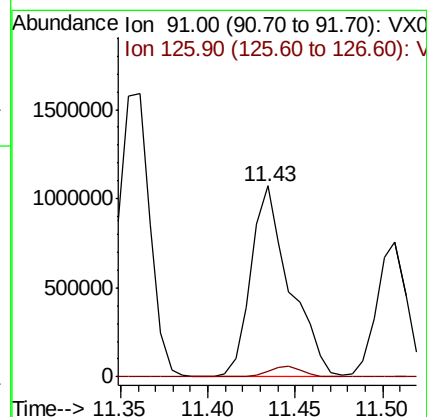
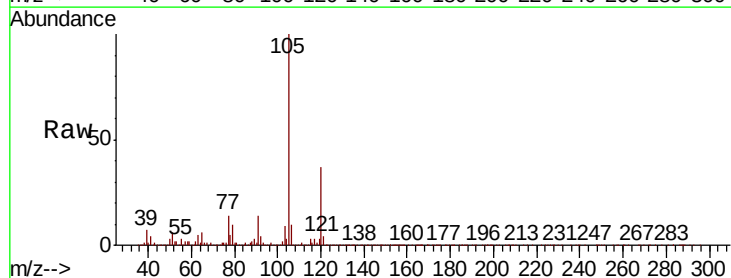
Acq: 03 Dec 2019 20:04

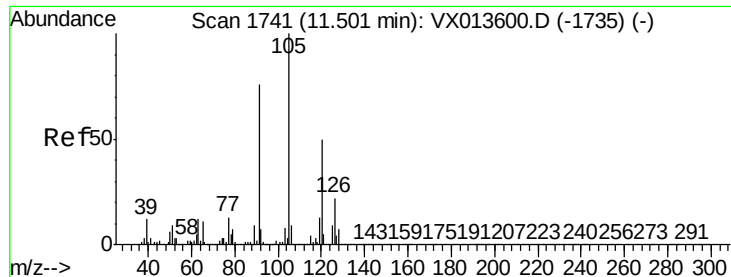
Tgt Ion: 91 Resp: 1656450

Ion Ratio Lower Upper

91 100

126 4.9 17.5 52.5#

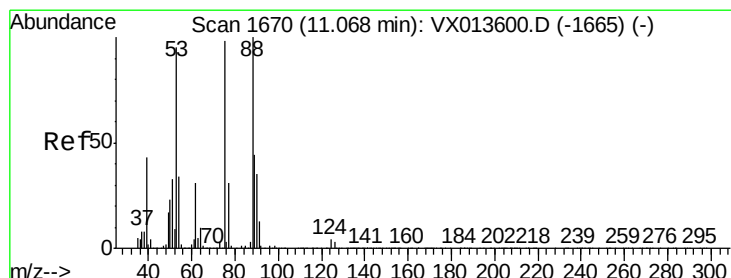
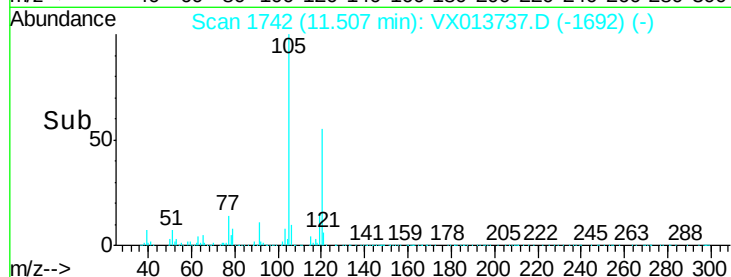
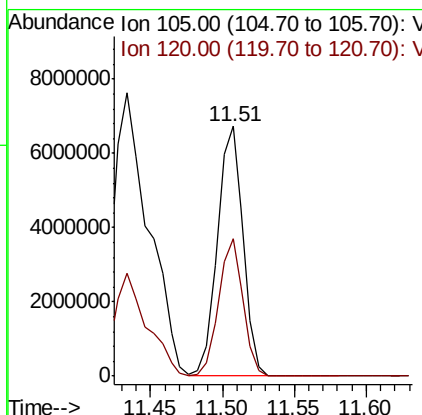
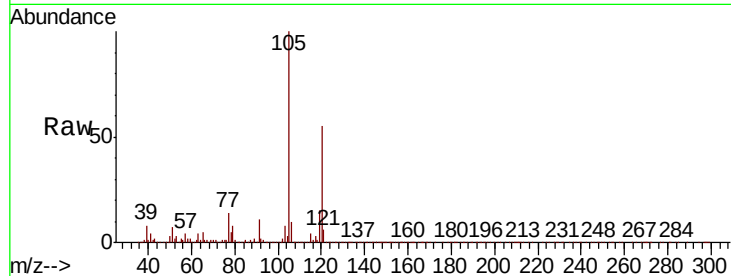




#80
 1,3,5-Trimethylbenzene
 Concen: 258.503 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

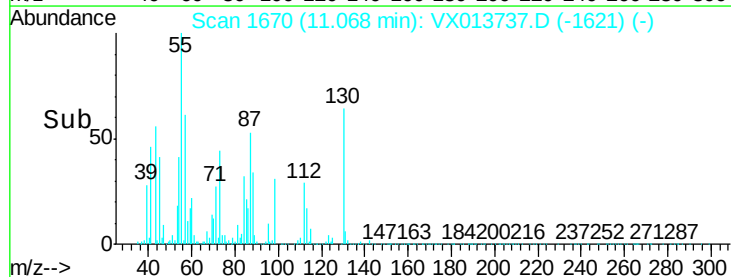
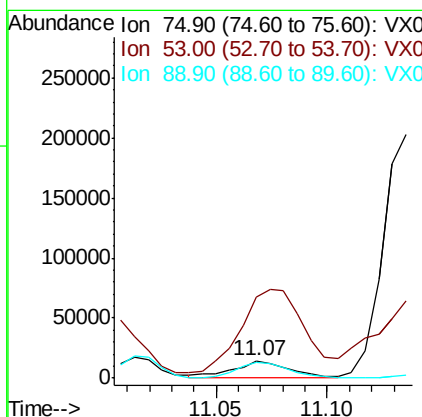
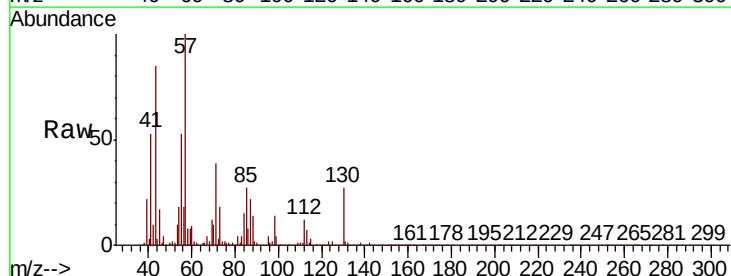
Instrument :
 MSVOA_X
 ClientSampled :

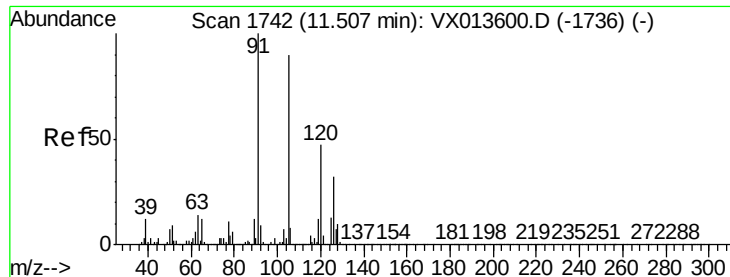
Tot Ion:105 Resp: 8392530
 Ion Ratio Lower Upper
 105 100
 120 52.5 25.3 75.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 4.794 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

Tgt Ion: 75 Resp: 22256
 Ion Ratio Lower Upper
 75 100
 53 617.2 78.2 117.2#
 89 90.9 35.4 53.2#





#82

4-Chlorotoluene

Concen: 29.620 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

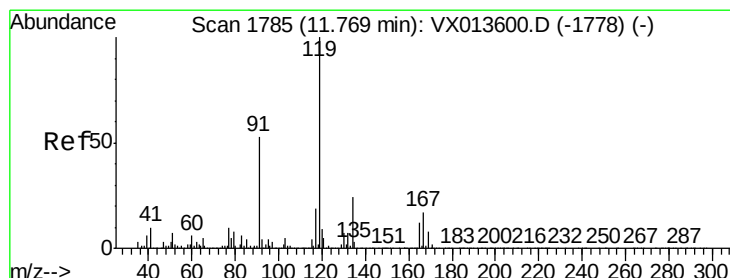
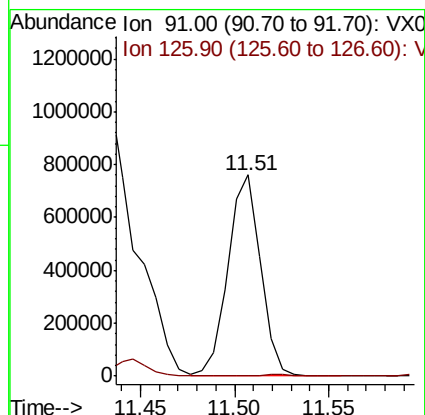
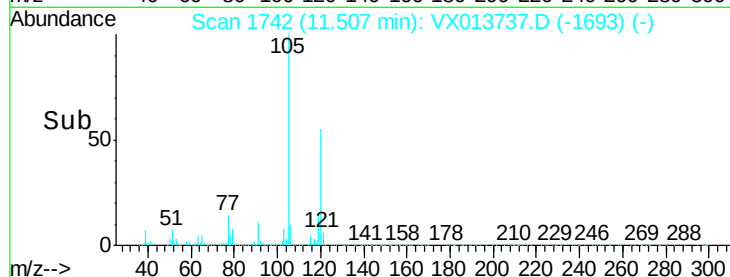
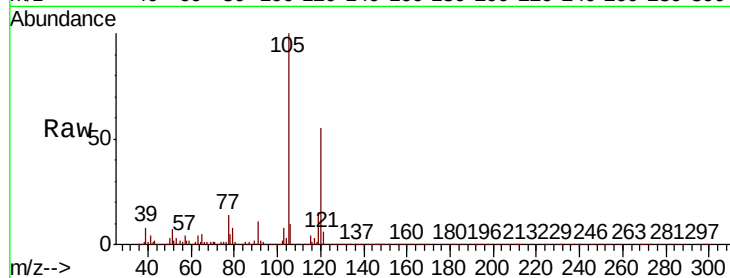
ClientSampled :

Tot Ion: 91 Resp: 910024

Ion Ratio Lower Upper

91 100

126 0.7 15.7 47.0#



#83

tert-Butylbenzene

Concen: 67.380 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.04 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

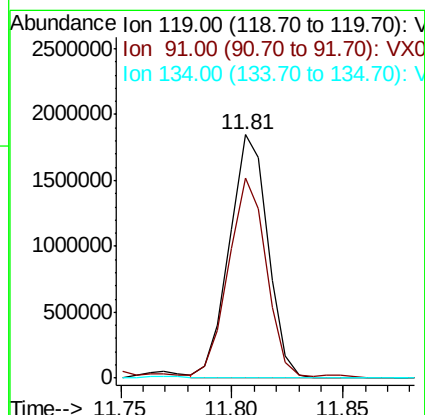
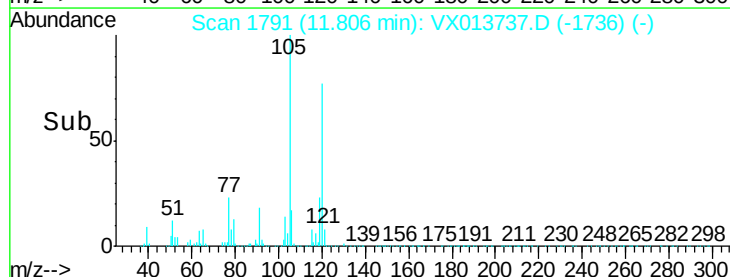
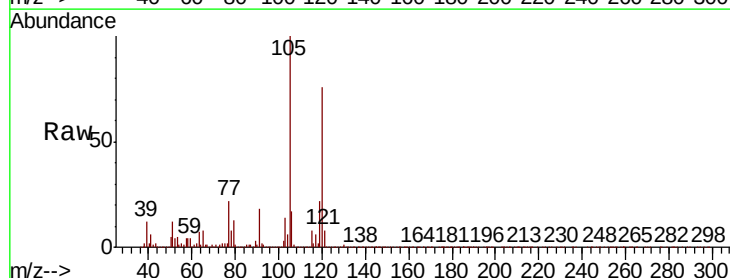
Tgt Ion: 119 Resp: 2223211

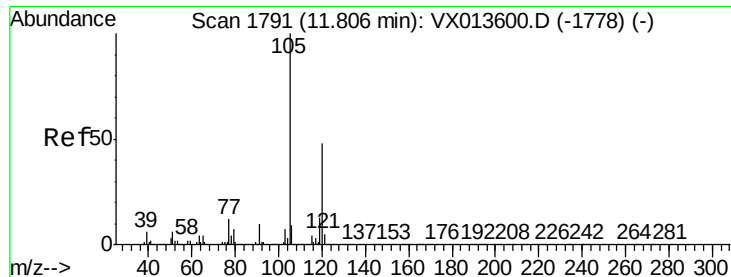
Ion Ratio Lower Upper

119 100

91 82.2 27.2 81.6#

134 0.0 11.7 35.1#





#84

1,2,4-Trimethylbenzene

Concen: 396.354 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

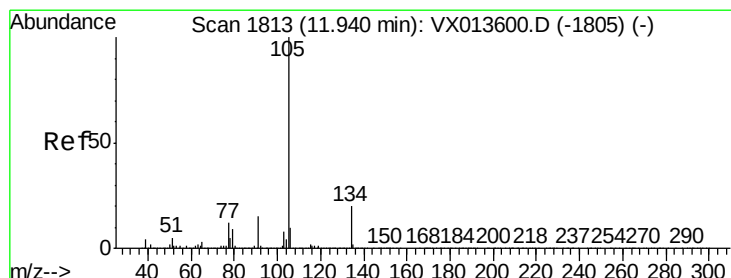
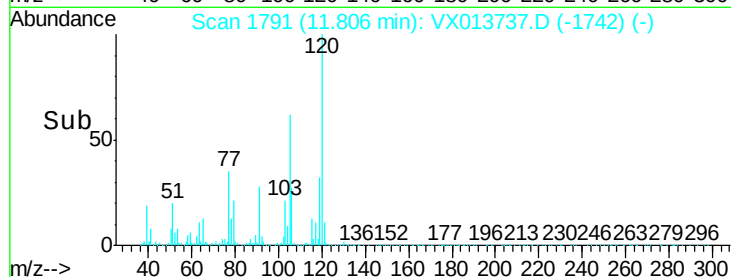
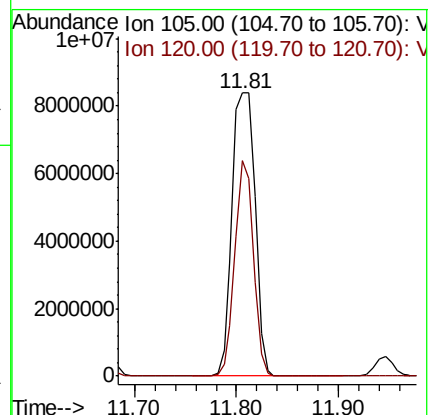
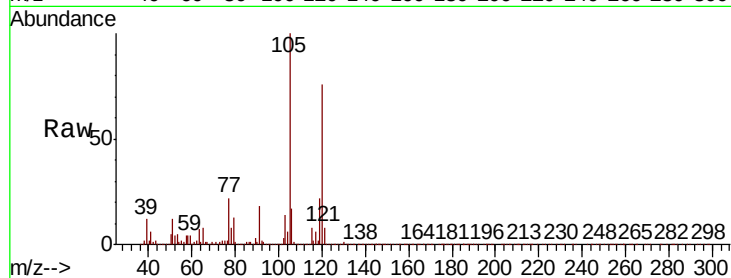
ClientSampleId :

Tot Ion:105 Resp:13059770

Ion Ratio Lower Upper

105 100

120 61.0 23.1 69.3



#85

sec-Butylbenzene

Concen: 19.764 ug/l

RT: 11.95 min Scan# 1814

Delta R.T. 0.01 min

Lab File: VX013737.D

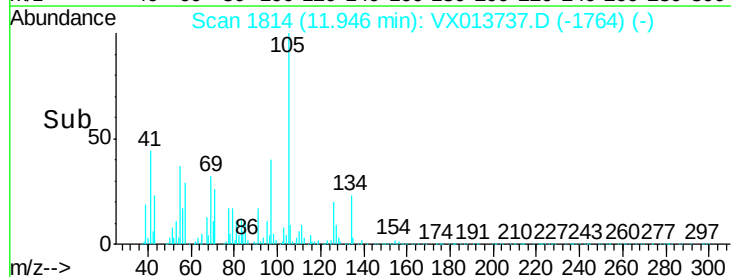
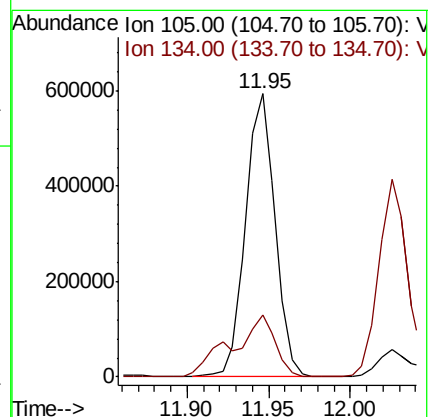
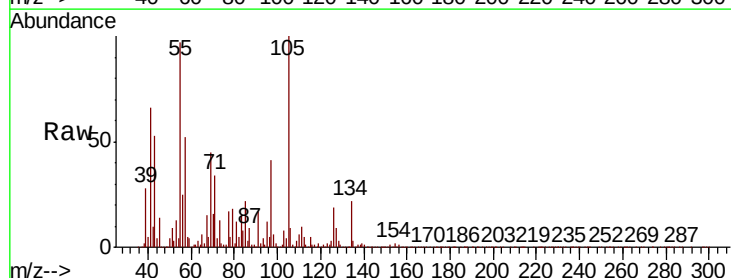
Acq: 03 Dec 2019 20:04

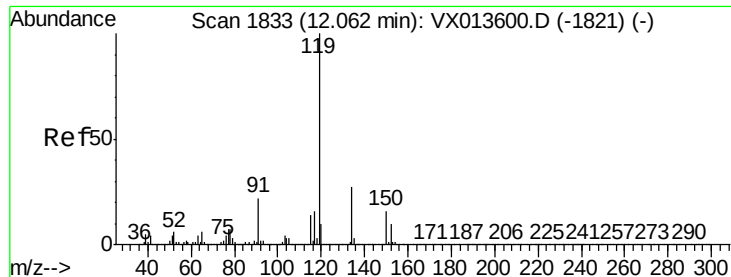
Tgt Ion:105 Resp: 744838

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.2

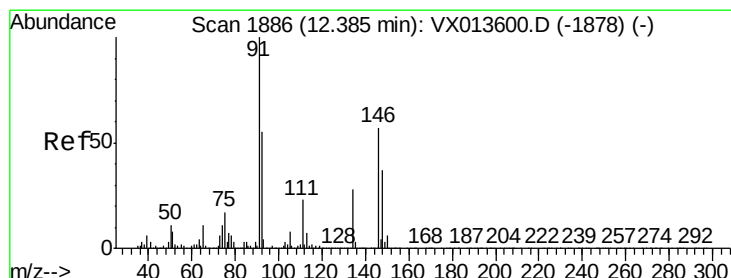
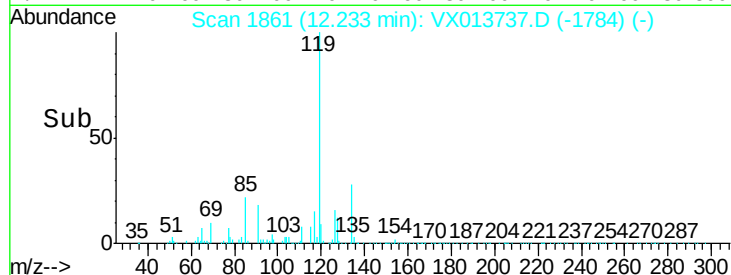
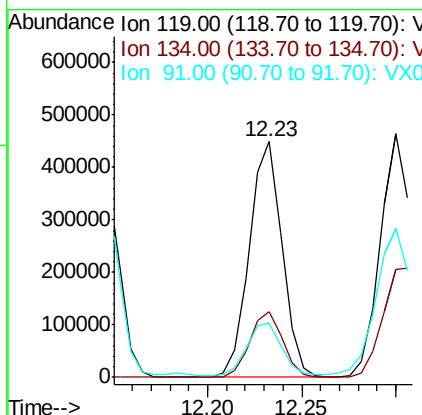
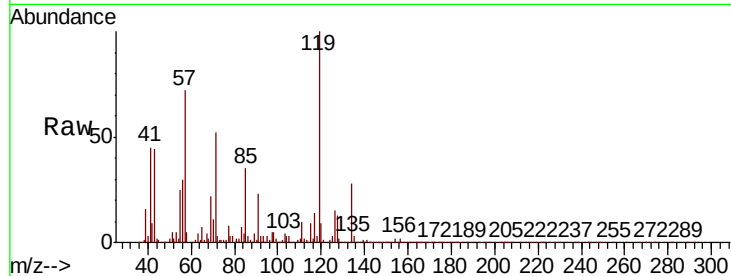




#86
p-Isopropyltoluene
Concen: 15.417 ug/l
RT: 12.23 min Scan# 1861
Delta R.T. 0.17 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

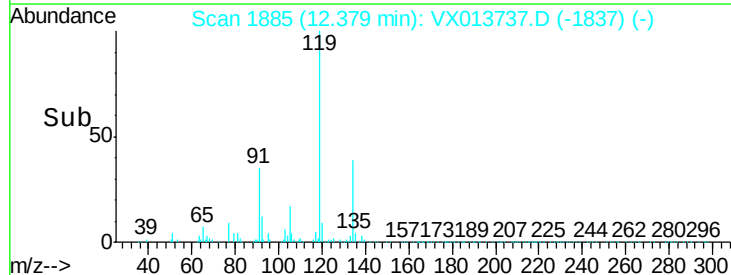
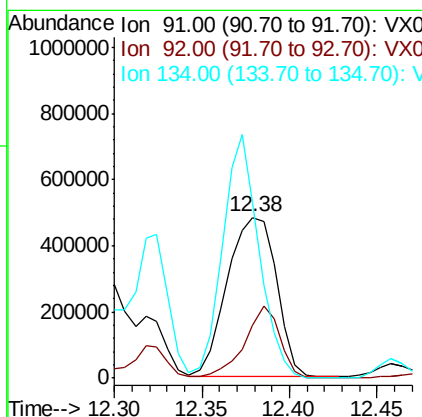
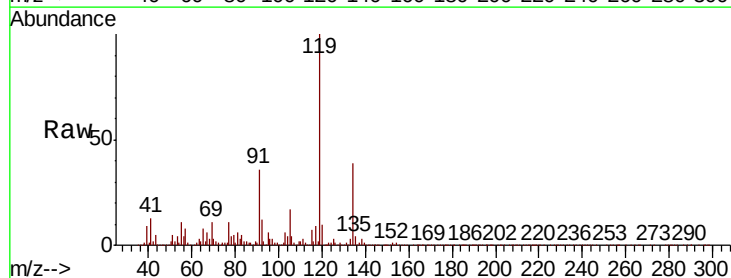
Instrument :
MSVOA_X
ClientSampled :

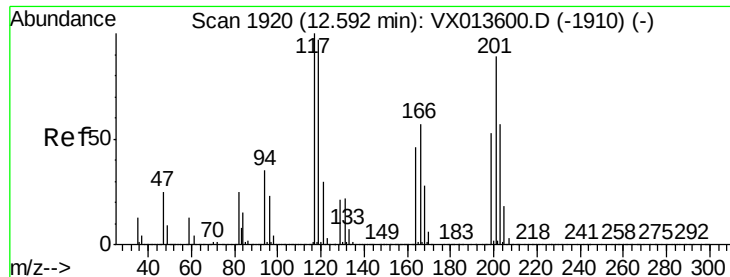
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.3	39.9
91	23.6	11.3	33.8



#89
n-Butylbenzene
Concen: 31.699 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX013737.D
Acq: 03 Dec 2019 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	32.5	27.4	82.2
134	112.1	13.5	40.4





#90

Hexachloroethane

Concen: 18.477 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

Instrument :

MSVOA_X

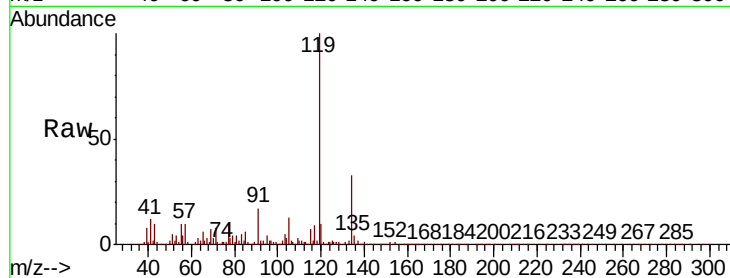
ClientSampled :

Tot Ion:117 Resp: 117091

Ion Ratio Lower Upper

117 100

201 0.2 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.59

80000

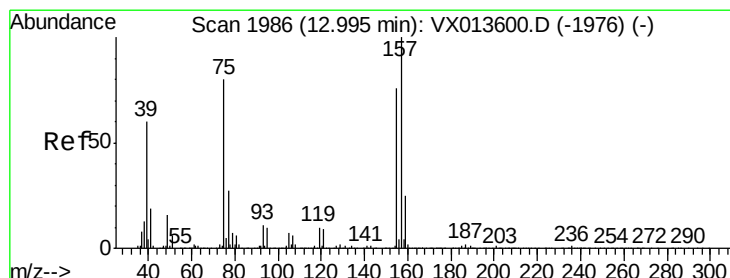
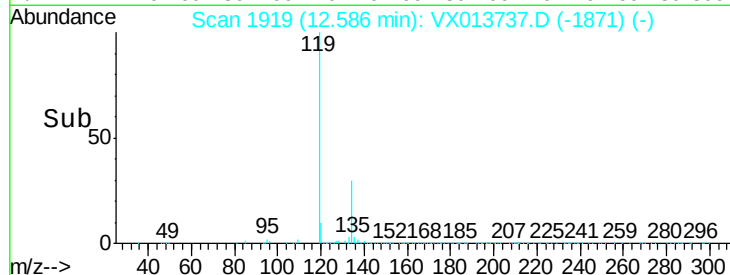
60000

40000

20000

0

Time--> 12.54 12.56 12.58 12.60



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.266 ug/l

RT: 13.02 min Scan# 1990

Delta R.T. 0.02 min

Lab File: VX013737.D

Acq: 03 Dec 2019 20:04

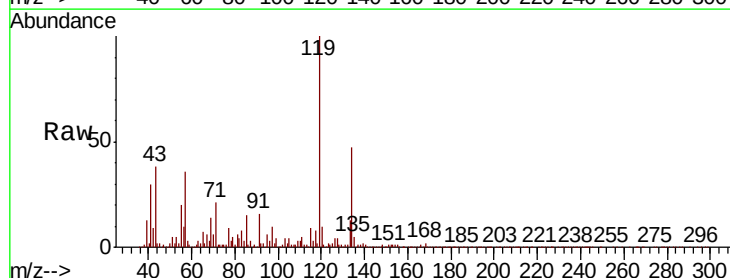
Tgt Ion: 75 Resp: 6779

Ion Ratio Lower Upper

75 100

155 182.9 47.6 142.8#

157 7.6 62.1 186.2#



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

20000

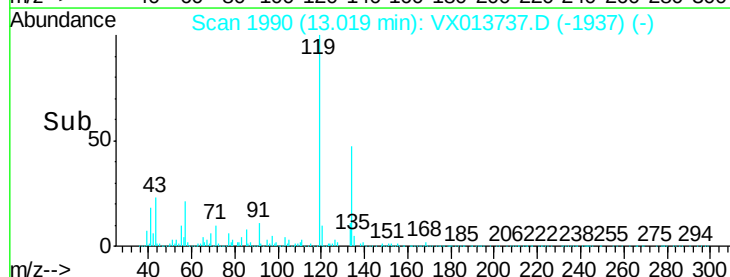
15000

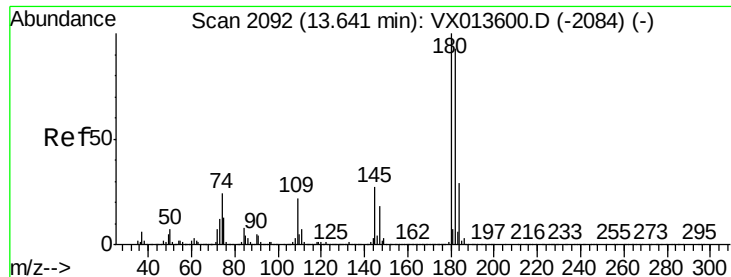
10000

5000

0

Time--> 12.98 13.00 13.02

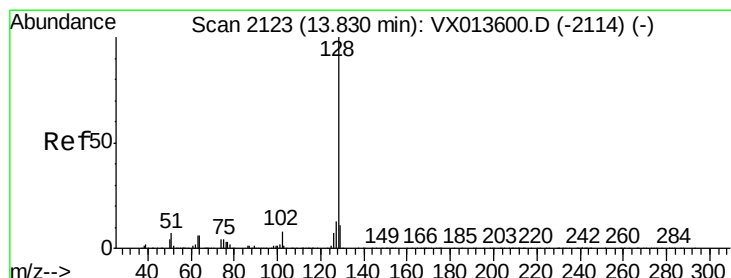
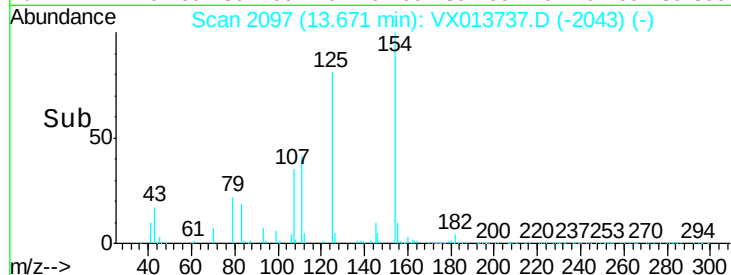
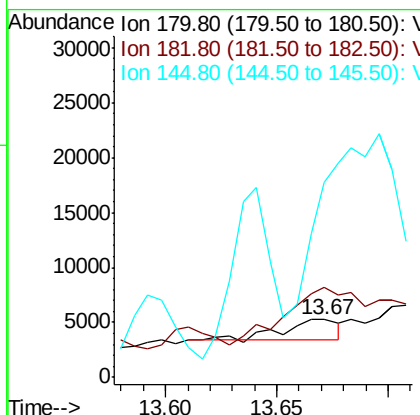
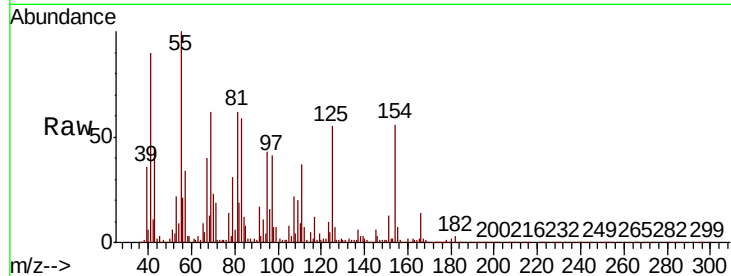




#93
 1,2,4-Trichlorobenzene
 Concen: 0.274 ug/l
 RT: 13.67 min Scan# 2097
 Delta R.T. 0.03 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

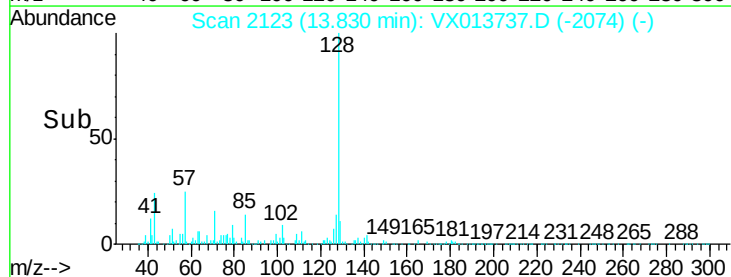
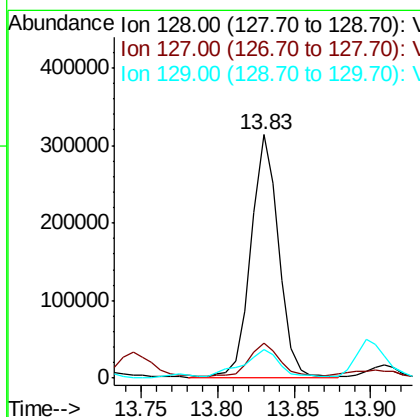
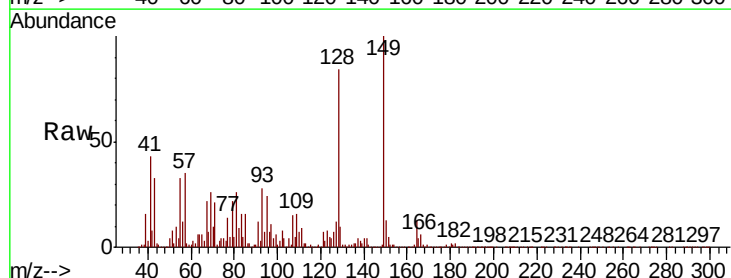
Instrument :
 MSVOA_X
 ClientSampleId :

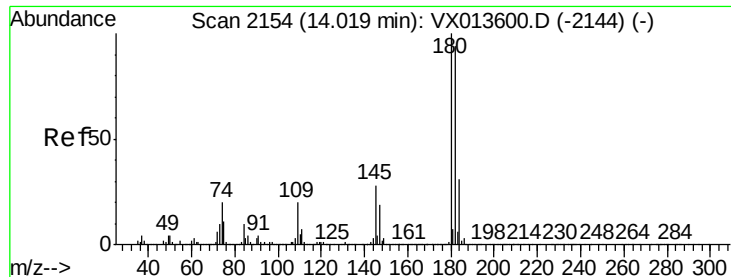
Tot Ion:180 Resp: 3523
 Ion Ratio Lower Upper
 180 100
 182 465.4 47.2 141.6#
 145 0.0 13.8 41.4#



#95
 Naphthalene
 Concen: 10.248 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

Tgt Ion:128 Resp: 392020
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.3 15.5
 129 14.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.216 ug/l
 RT: 14.03 min Scan# 2156
 Delta R.T. 0.01 min
 Lab File: VX013737.D
 Acq: 03 Dec 2019 20:04

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	152.0	47.6	142.8#
145	58.2	15.0	45.0#

