

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013735.D
 Acq On : 03 Dec 2019 19:18
 Operator : JC/SP
 Sample : K6084-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30734

Quant Time: Dec 04 00:40:30 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	710675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1077703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	466964	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	382988	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
35) Dibromofluoromethane	5.48	113	324109	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	8.71	98	1285360	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	11.14	95	449367	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	2889	0.431	ug/l #	79
6) Chloroethane	1.70	64	1610	0.283	ug/l #	47
8) Diethyl Ether	2.18	74	14834	2.956	ug/l	51
10) Methyl Iodide	2.51	142	2948	0.360	ug/l #	72
11) Tert butyl alcohol	3.03	59	1165317	572.300	ug/l	95
13) Acrolein	2.30	56	6355	10.558	ug/l	94
14) Allyl chloride	2.77	41	10672	0.870	ug/l #	26
15) Acrylonitrile	3.14	53	2004	0.477	ug/l #	44
16) Acetone	2.43	43	5312932	1304.491	ug/l	97
17) Carbon Disulfide	2.56	76	14656	0.760	ug/l #	94
18) Methyl Acetate	2.76	43	818064	72.132	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	378570	16.897	ug/l	98
20) Methylene Chloride	2.85	84	15252	1.949	ug/l	97
22) Diisopropyl ether	3.78	45	1402632	59.350	ug/l #	1
23) Vinyl Acetate	3.78	43	83860	4.265	ug/l #	78
24) 1,1-Dichloroethane	3.77	63	10333	0.800	ug/l #	93
25) 2-Butanone	4.65	43	1596458	263.749	ug/l	100
29) Tetrahydrofuran	5.12	42	90984	24.383	ug/l	100
31) Cyclohexane	5.57	56	8128	0.667	ug/l #	78
36) 1,1-Dichloropropene	5.79	75	2102	0.215	ug/l #	41
37) Ethyl Acetate	4.83	43	80794	7.362	ug/l	99
38) Carbon Tetrachloride	5.65	117	60867	6.748	ug/l #	15
39) Methylcyclohexane	7.46	83	9911	0.820	ug/l	97
40) Benzene	6.14	78	2677449	89.861	ug/l	100
41) Methacrylonitrile	5.04	41	3182	0.529	ug/l #	24
42) 1,2-Dichloroethane	6.14	62	36924	3.634	ug/l	73
43) Isopropyl Acetate	6.44	43	284190	15.729	ug/l #	88
48) Methyl methacrylate	7.76	41	112650	12.832	ug/l #	36
49) 1,4-Dioxane	7.73	88	90492	460.509	ug/l #	63
51) 4-Methyl-2-Pentanone	8.64	43	437710	38.513	ug/l #	87
52) Toluene	8.78	92	2890580	156.163	ug/l	99
53) t-1,3-Dichloropropene	8.95	75	138137	12.679	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	61277	5.148	ug/l #	55
56) Ethyl methacrylate	9.24	69	7097	0.592	ug/l #	23

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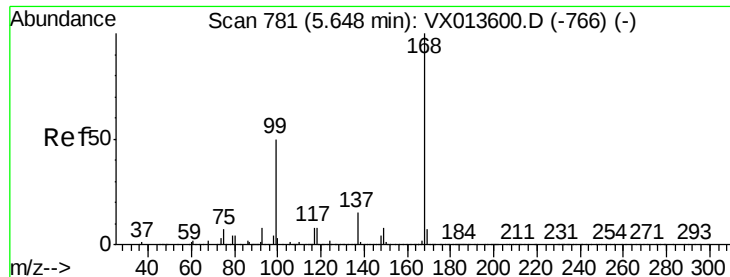
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

57) 1,3-Dichloropropane	9.12	76	3158	0.246	ug/l	91
59) 2-Hexanone	9.49	43	272027	30.689	ug/l	100
64) Tetrachloroethene	9.32	164	1769	0.246	ug/l #	59
67) Ethyl Benzene	10.25	91	748327	21.716	ug/l	99
68) m/p-Xylenes	10.36	106	1503556	113.963	ug/l	100
69) o-Xylene	10.70	106	838628	65.175	ug/l	98
70) Styrene	10.70	104	42408	1.959	ug/l #	1
73) Isopropylbenzene	11.01	105	35734	1.091	ug/l	98
74) N-amyl acetate	10.90	43	406477	27.089	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	11.33	83	352797	31.057	ug/l #	26
76) 1,2,3-Trichloropropane	11.14	75	222135	21.150	ug/l #	38
78) n-propylbenzene	11.35	91	50966	1.394	ug/l	89
79) 2-Chlorotoluene	11.44	91	54045	2.464	ug/l #	1
80) 1,3,5-Trimethylbenzene	11.50	105	94185	3.508	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	11999	3.126	ug/l #	72
82) 4-Chlorotoluene	11.51	91	13631	0.537	ug/l #	43
83) tert-Butylbenzene	11.81	119	45406	1.664	ug/l #	69
84) 1,2,4-Trimethylbenzene	11.81	105	375167	13.769	ug/l	93
85) sec-Butylbenzene	11.95	105	18648	0.598	ug/l	93
86) p-Isopropyltoluene	12.07	119	17326	0.598	ug/l #	1
88) 1,4-Dichlorobenzene	12.10	146	3253	0.207	ug/l #	30
89) n-Butylbenzene	12.37	91	90086	3.643	ug/l #	17
90) Hexachloroethane	12.59	117	44731	8.536	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	13.01	75	8247	3.334	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.65	180	3359	0.316	ug/l #	53
94) Hexachlorobutadiene	13.78	225	1294	0.254	ug/l	86
95) Naphthalene	13.83	128	338813	10.711	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.01	180	3222	0.306	ug/l #	1

(#) = 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

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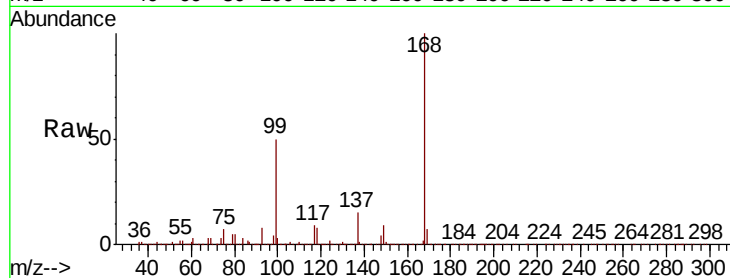
30734

Tot Ion:168 Resp: 710675

Ion Ratio Lower Upper

168 100

99 50.0 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

250000

200000

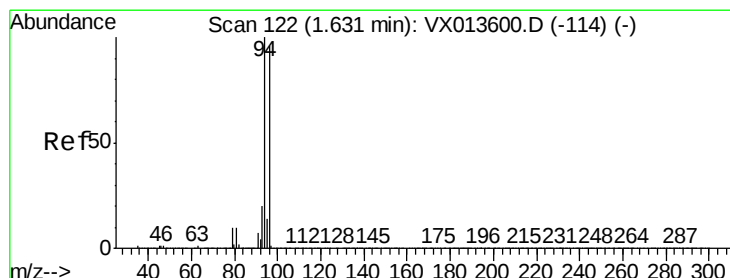
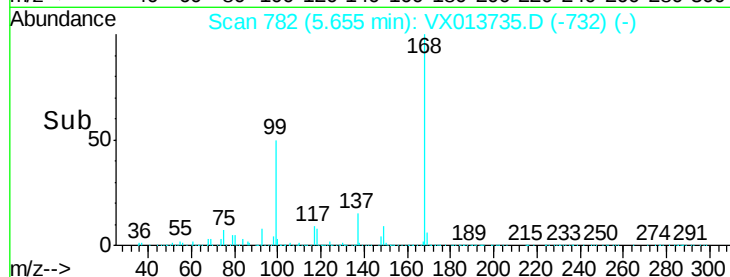
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.431 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013735.D

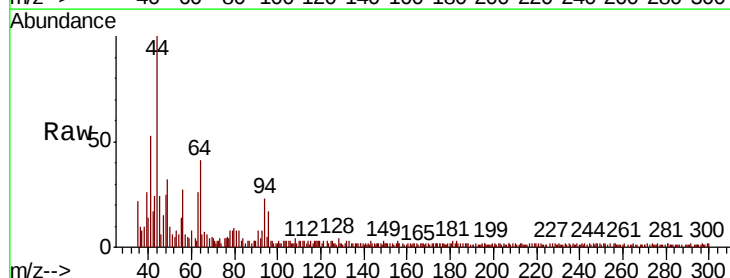
Acq: 03 Dec 2019 19:18

Tgt Ion: 94 Resp: 2889

Ion Ratio Lower Upper

94 100

96 76.1 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

2500

2000

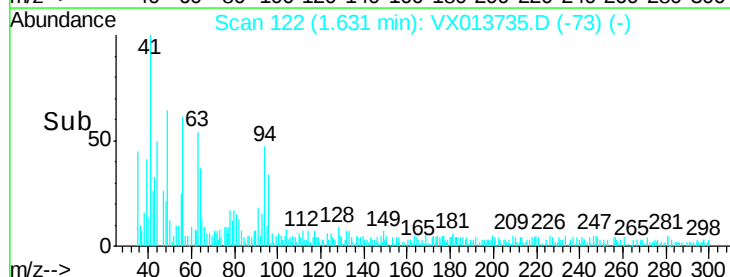
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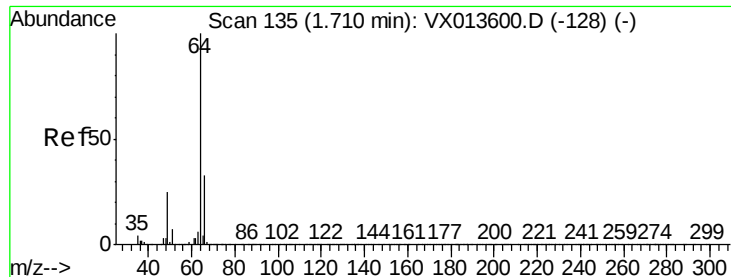
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.283 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

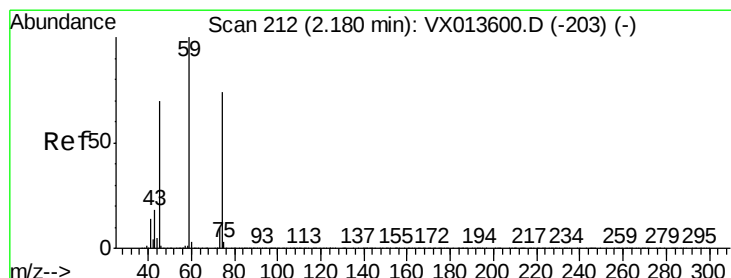
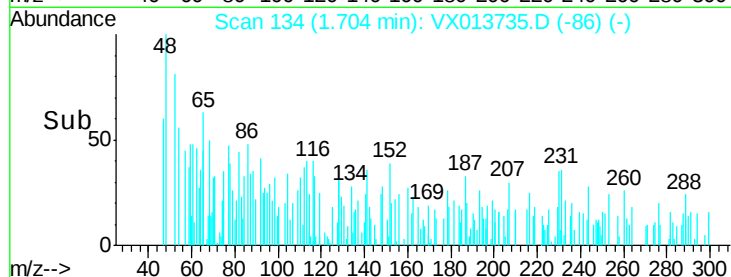
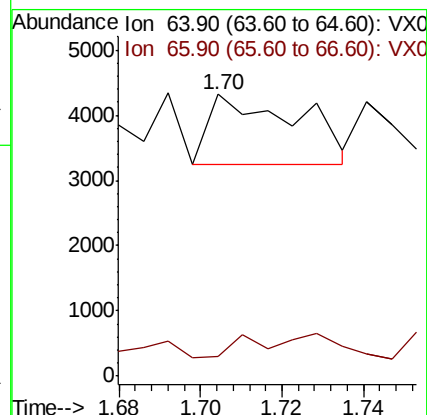
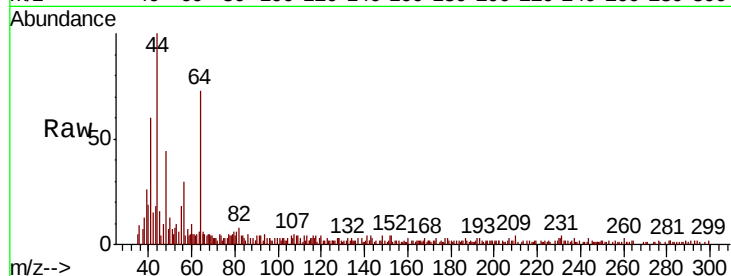
30734

Tot Ion: 64 Resp: 1610

Ion Ratio Lower Upper

64 100

66 3.1 26.7 40.1#



#8

Diethyl Ether

Concen: 2.956 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX013735.D

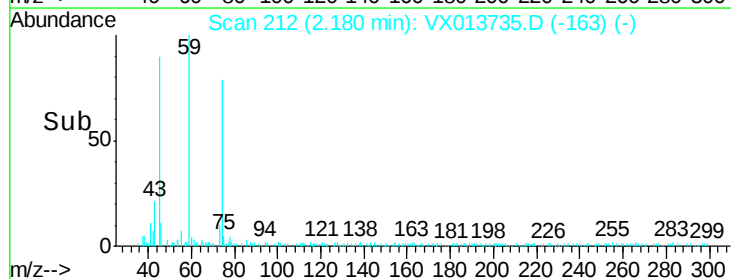
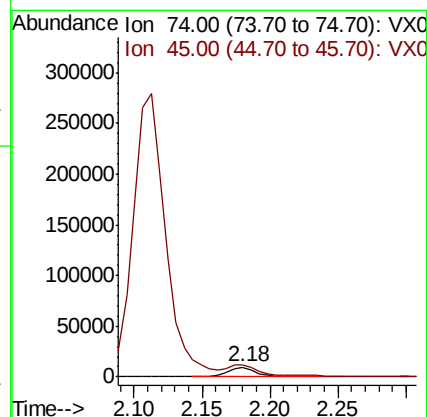
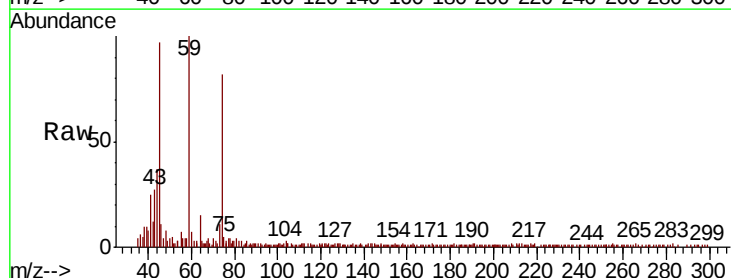
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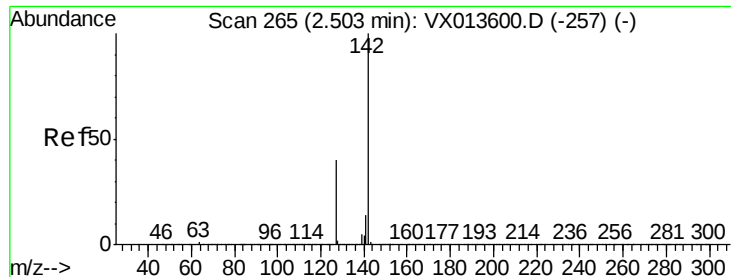
Tgt Ion: 74 Resp: 14834

Ion Ratio Lower Upper

74 100

45 146.7 48.9 146.8

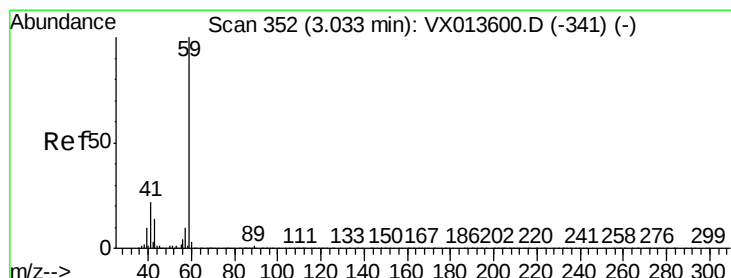
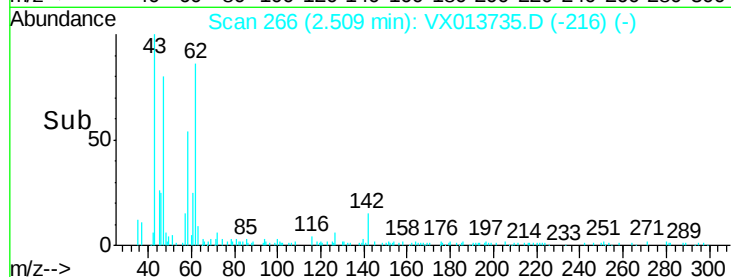
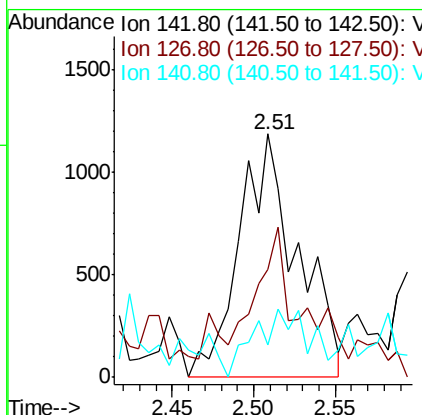
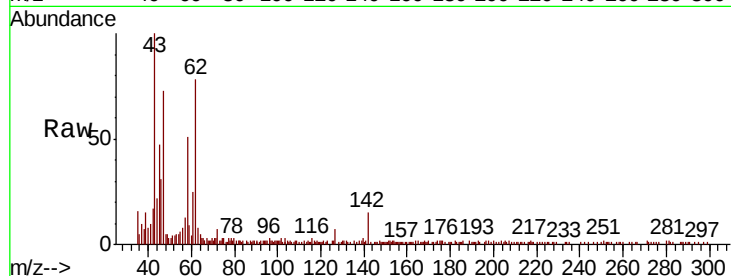




#10
Methvl Iodide
Concen: 0.360 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

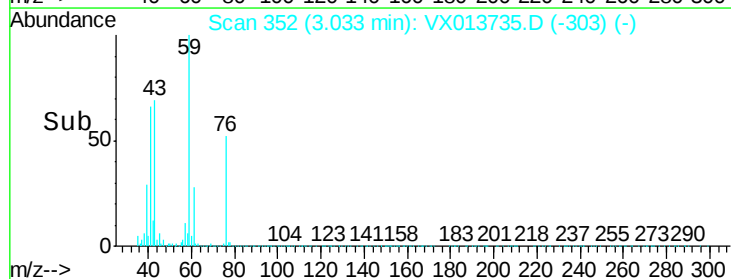
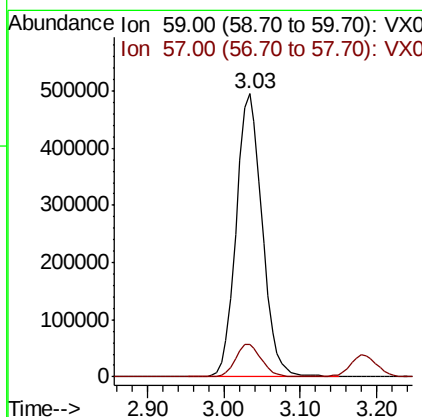
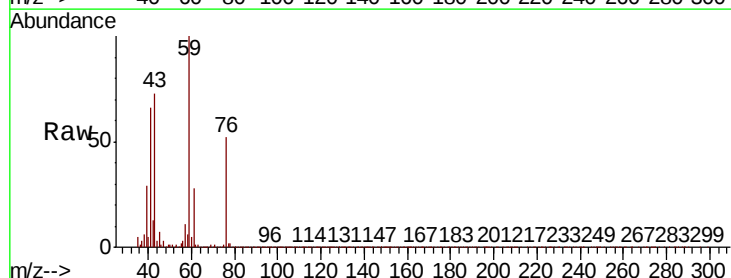
Instrument :
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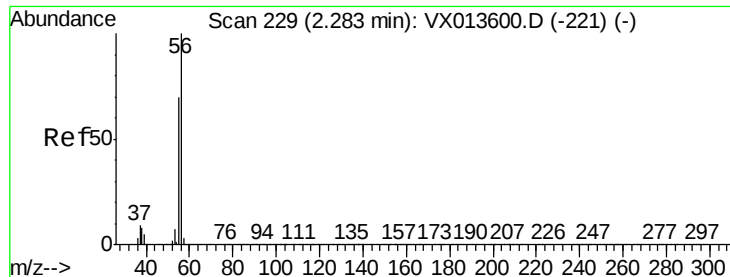
Tot Ion:142 Resp: 2948
Ion Ratio Lower Upper
142 100
127 21.4 31.0 46.4#
141 26.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 572.300 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 59 Resp: 1165317
Ion Ratio Lower Upper
59 100
57 11.4 7.8 11.6





#13

Acrolein

Concen: 10.558 ug/l

RT: 2.30 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

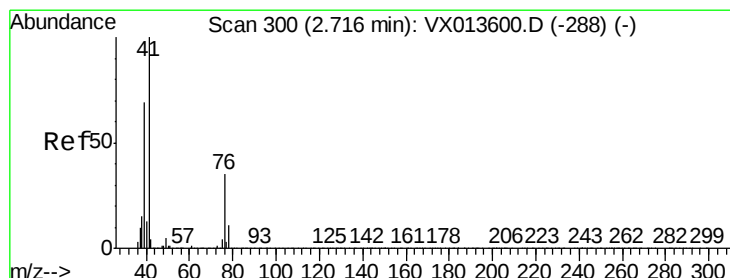
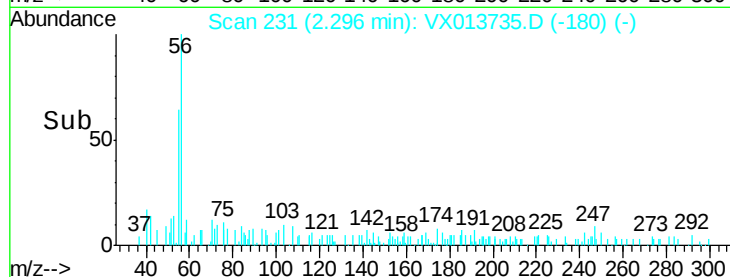
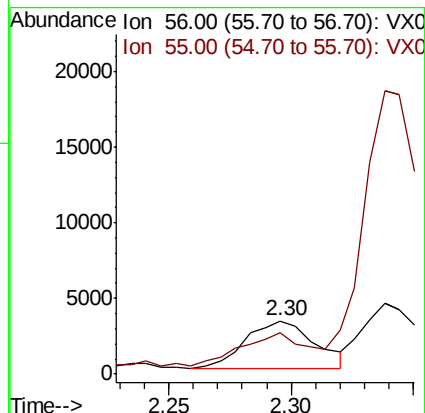
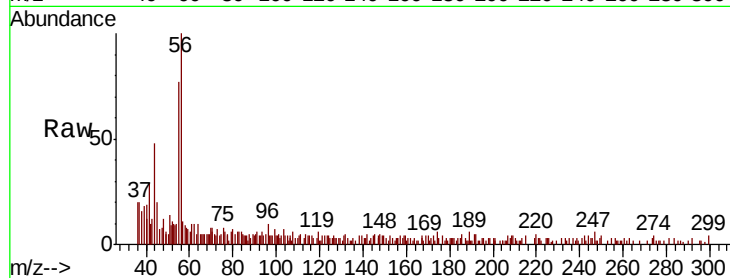
30734

Tot Ion: 56 Resp: 6355

Ion Ratio Lower Upper

56 100

55 75.0 56.2 84.4



#14

Allyl chloride

Concen: 0.870 ug/l

RT: 2.77 min Scan# 308

Delta R.T. 0.05 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

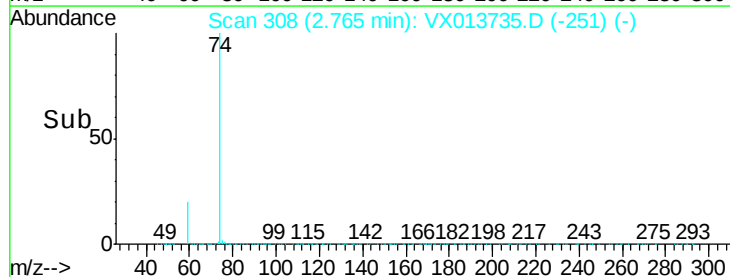
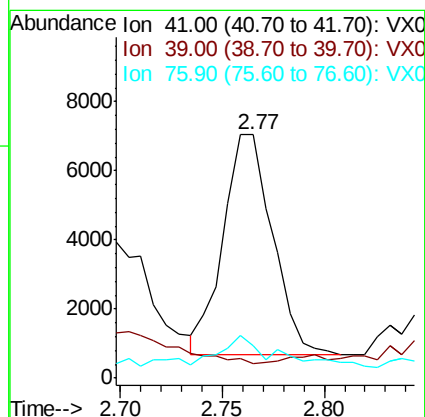
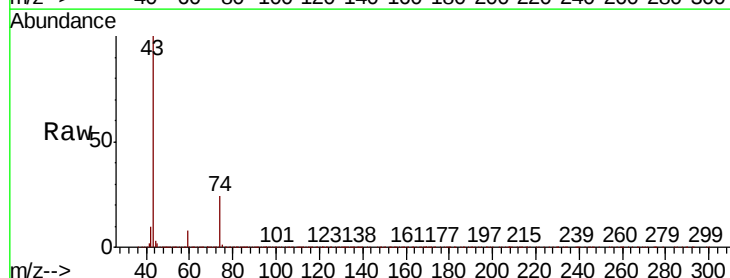
Tgt Ion: 41 Resp: 10672

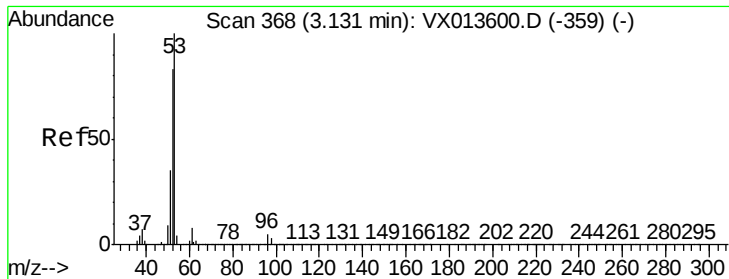
Ion Ratio Lower Upper

41 100

39 0.0 51.7 77.5#

76 0.0 25.9 38.9#

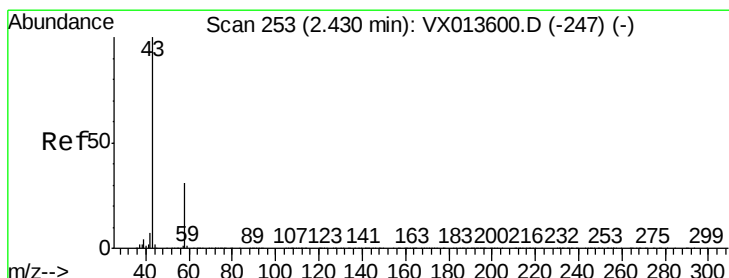
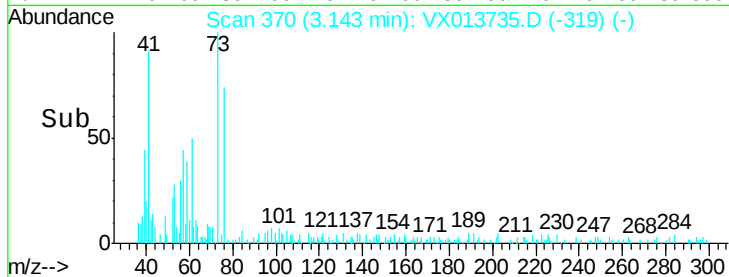
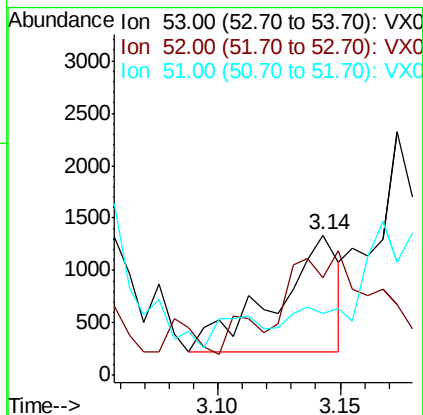
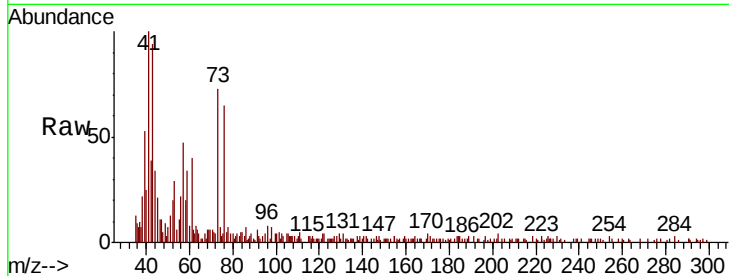




#15
 Acrylonitrile
 Concen: 0.477 ug/l
 RT: 3.14 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

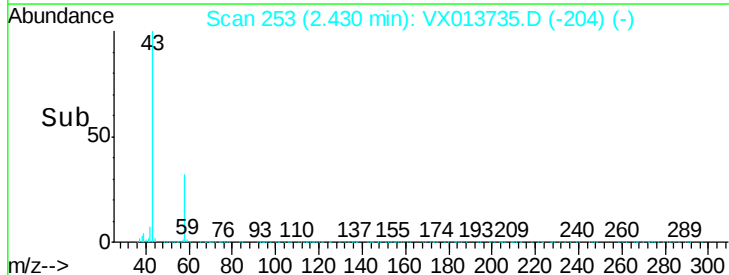
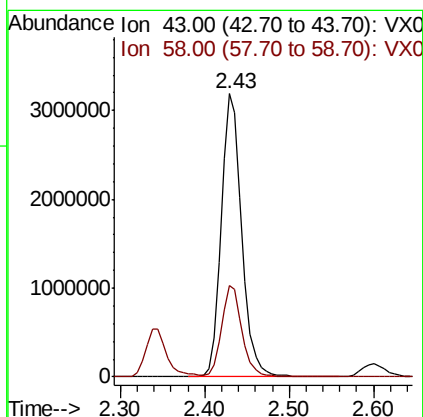
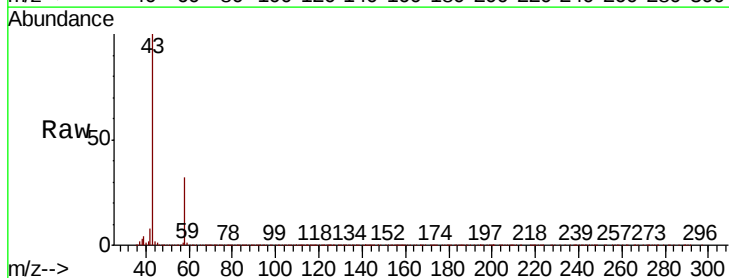
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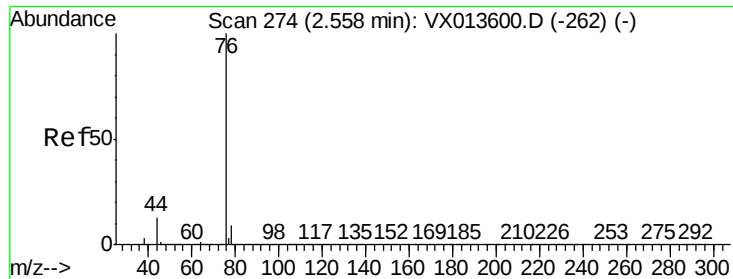
Tot Ion: 53 Resp: 2004
 Ion Ratio Lower Upper
 53 100
 52 130.4 66.2 99.2#
 51 0.0 29.0 43.6#



#16
 Acetone
 Concen: 1304.491 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion: 43 Resp: 5312932
 Ion Ratio Lower Upper
 43 100
 58 32.1 24.6 36.8

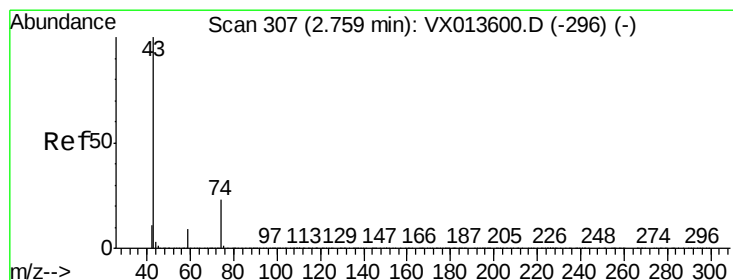
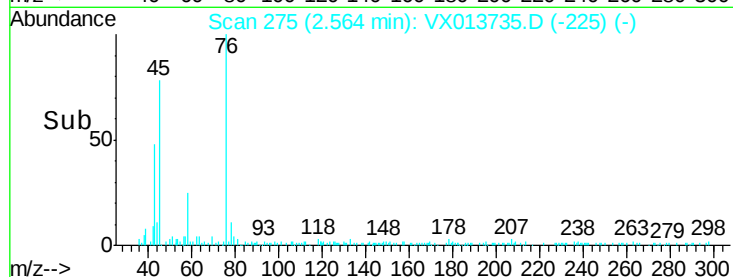
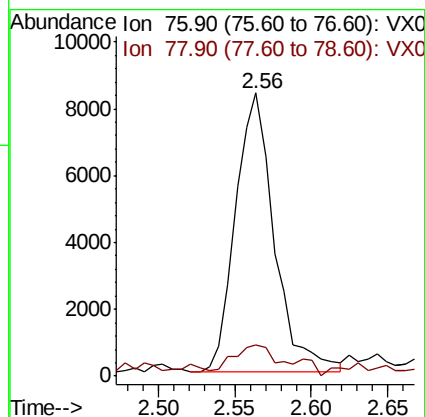
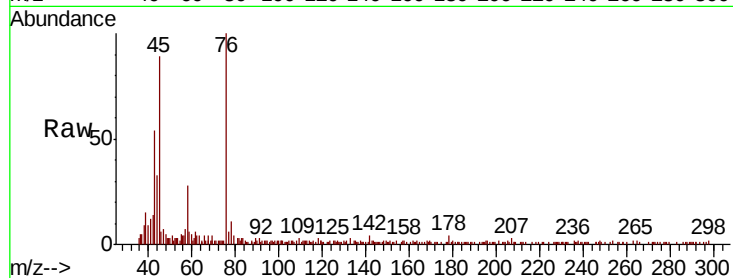




#17
Carbon Disulfide
Concen: 0.760 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

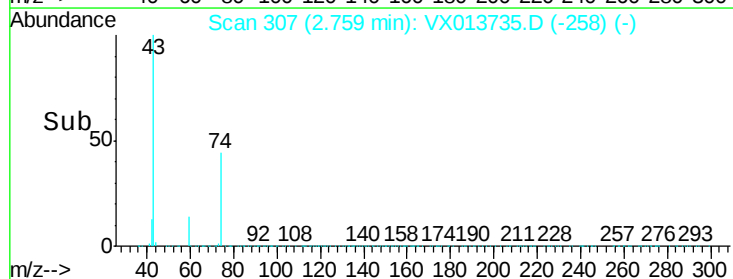
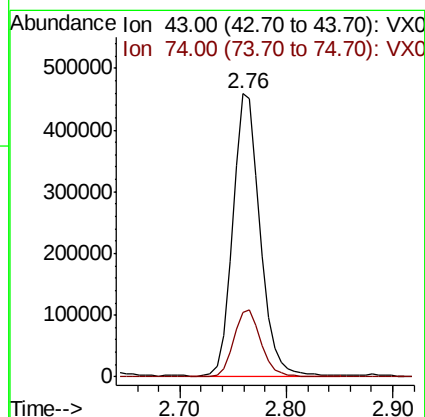
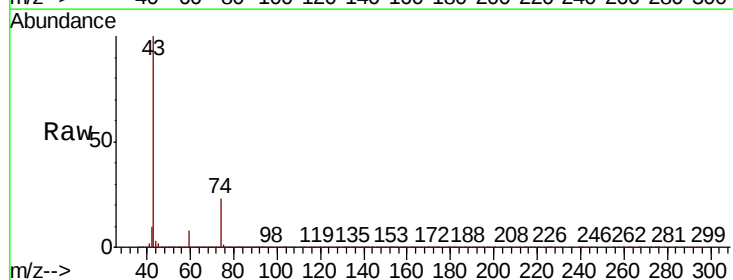
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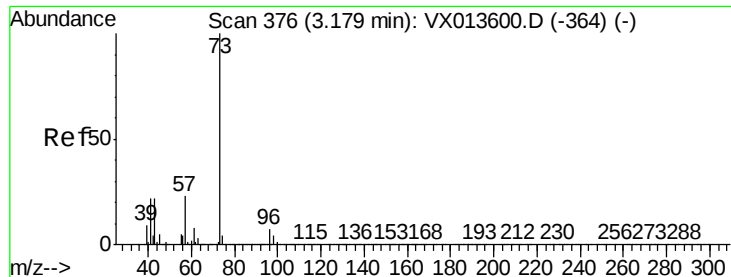
Tot Ion: 76 Resp: 14656
Ion Ratio Lower Upper
76 100
78 6.8 7.2 10.8#



#18
Methyl Acetate
Concen: 72.132 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 43 Resp: 818064
Ion Ratio Lower Upper
43 100
74 24.2 19.5 29.3

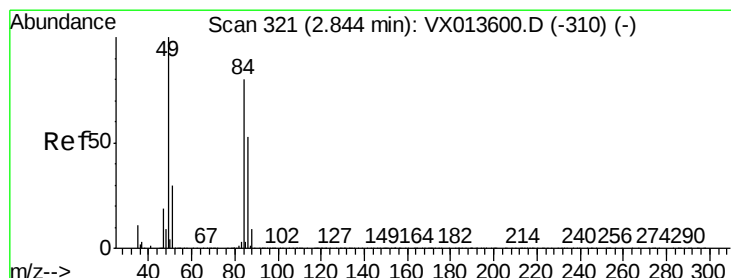
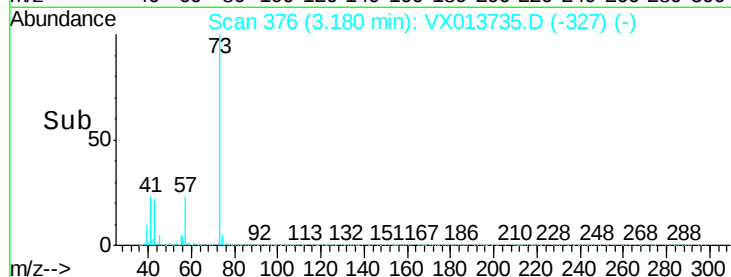
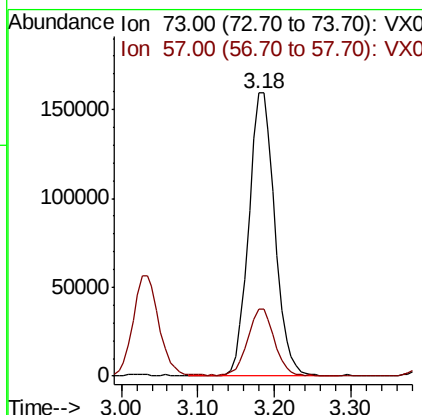
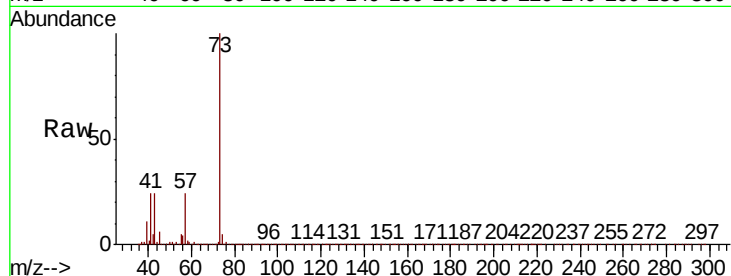




#19
Methvl tert-butvl Ether
Concen: 16.897 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

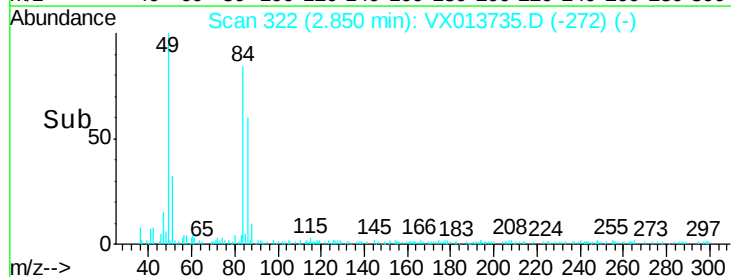
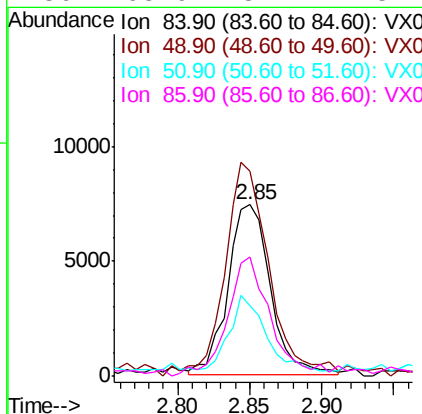
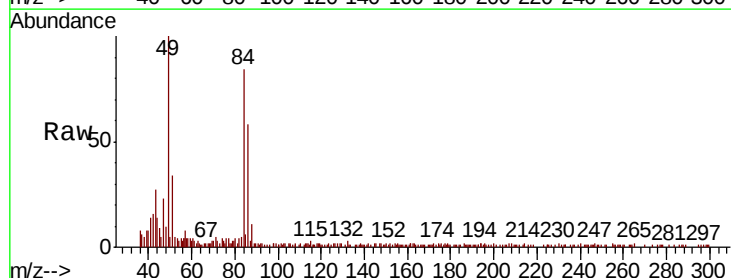
Instrument :
MSVOA_X
ClientSampleId :
30734

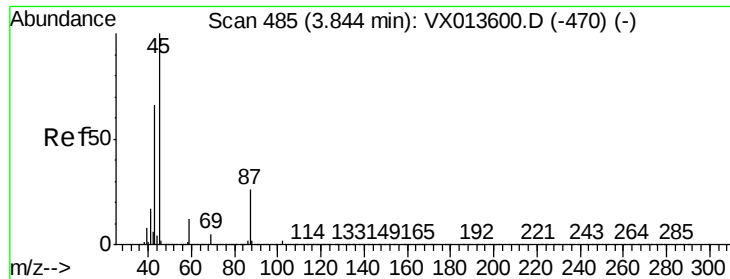
Tot Ion: 73 Resp: 378570
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5



#20
Methylene Chloride
Concen: 1.949 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 84 Resp: 15252
Ion Ratio Lower Upper
84 100
49 118.9 99.7 149.5
51 39.0 29.9 44.9
86 65.9 52.2 78.4

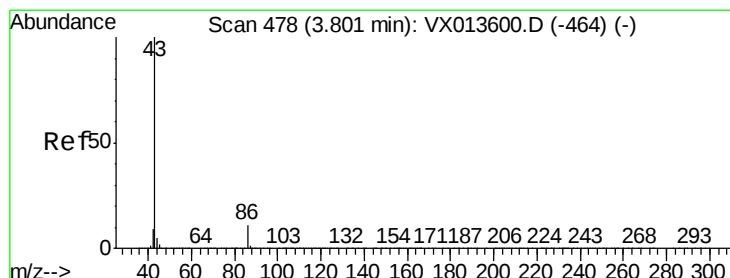
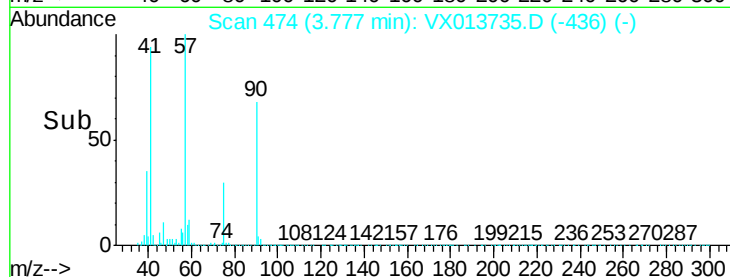
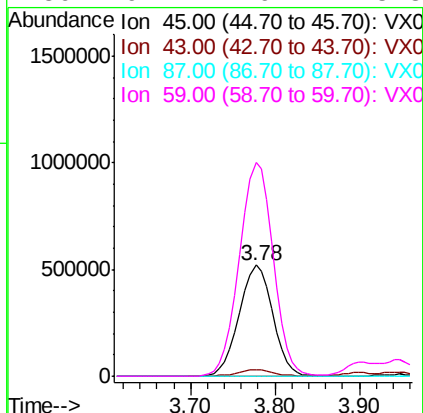
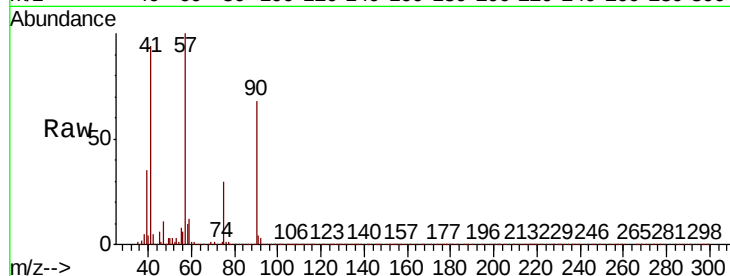




#22
Diisopropyl ether
Concen: 59.350 ug/l
RT: 3.78 min Scan# 474
Delta R.T. -0.07 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

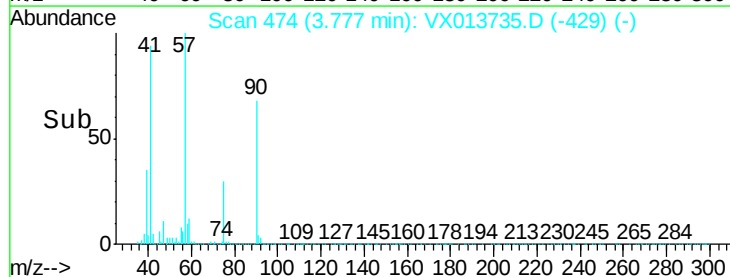
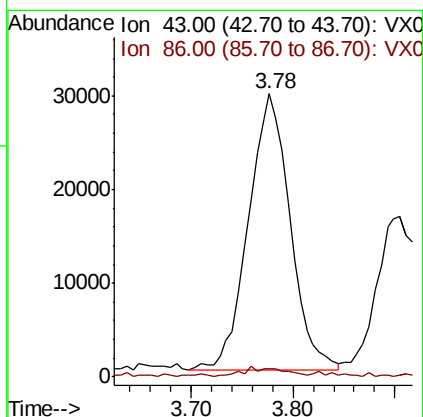
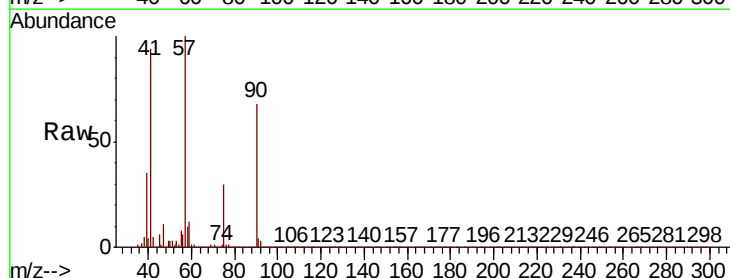
Instrument :
MSVOA_X
ClientSampleId :
30734

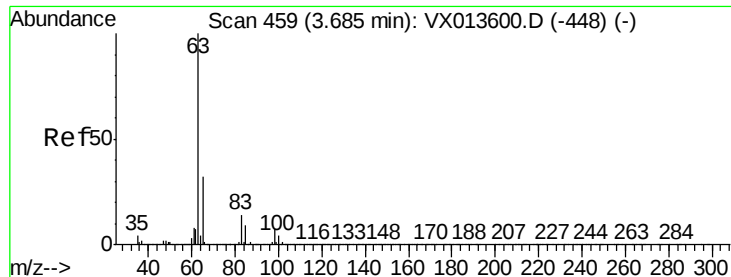
Tot Ion: 45 Resp: 1402632
Ion Ratio Lower Upper
45 100
43 5.7 52.6 79.0#
87 0.4 21.1 31.7#
59 192.4 9.2 13.8#



#23
Vinyl Acetate
Concen: 4.265 ug/l
RT: 3.78 min Scan# 474
Delta R.T. -0.02 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 43 Resp: 83860
Ion Ratio Lower Upper
43 100
86 2.4 8.7 13.1#





#24

1,1-Dichloroethane

Concen: 0.800 ug/l

RT: 3.77 min Scan# 473

Delta R.T. 0.09 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

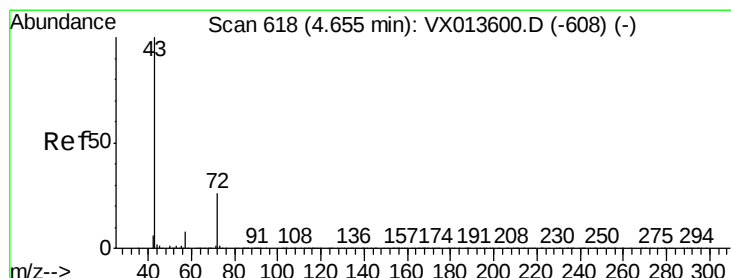
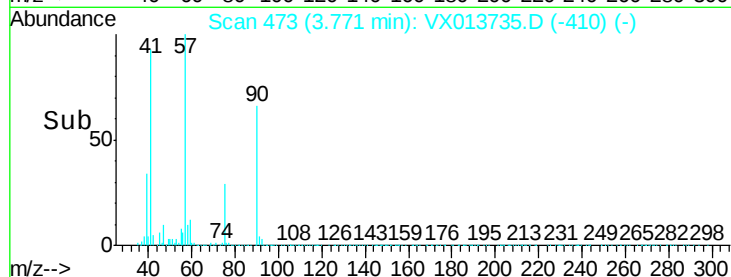
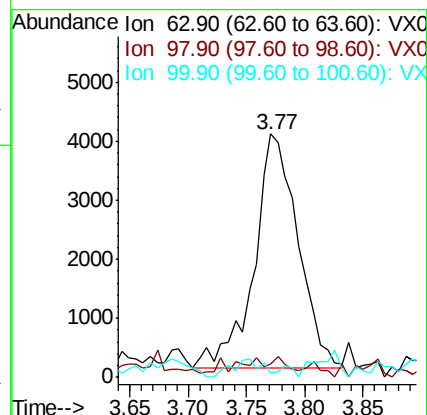
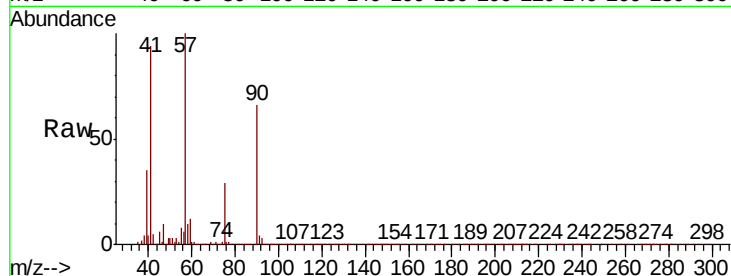
Tot Ion: 63 Resp: 10333

Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 0.0 2.1 6.3#



#25

2-Butanone

Concen: 263.749 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX013735.D

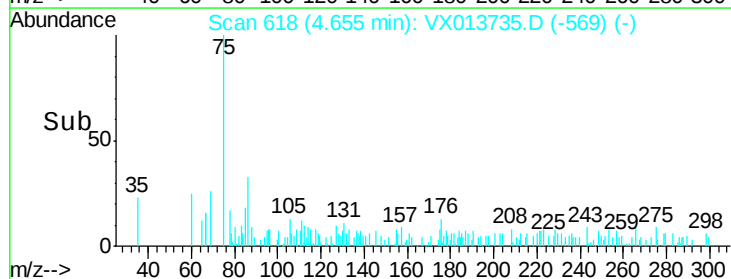
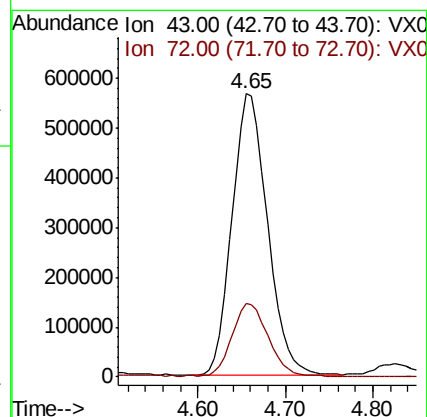
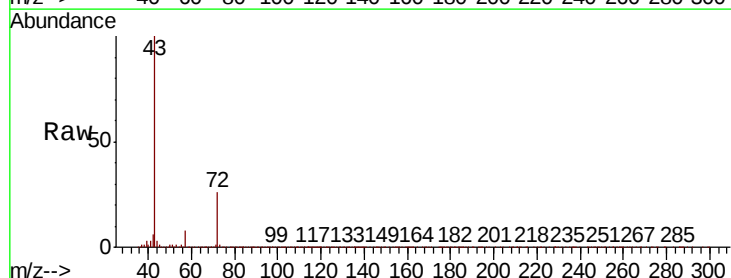
Acq: 03 Dec 2019 19:18

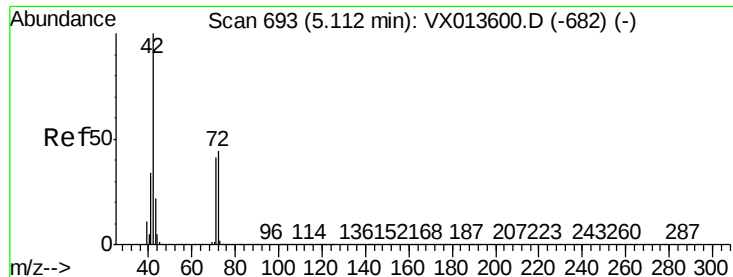
Tgt Ion: 43 Resp: 1596458

Ion Ratio Lower Upper

43 100

72 26.0 20.6 31.0

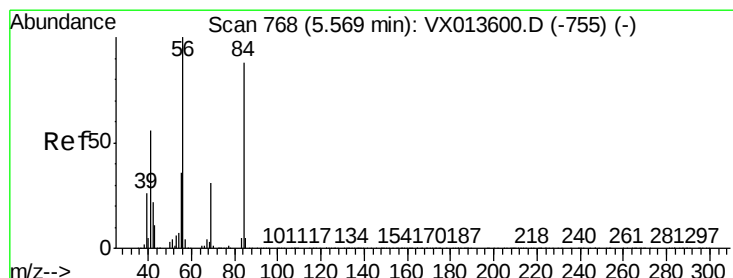
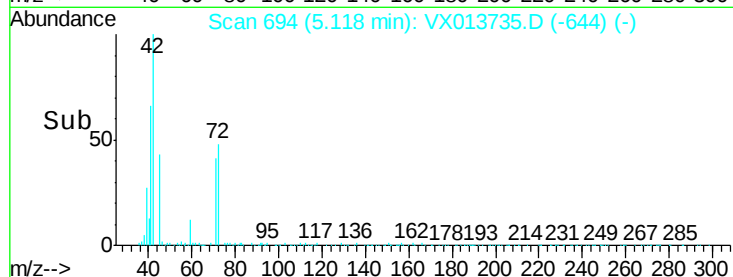
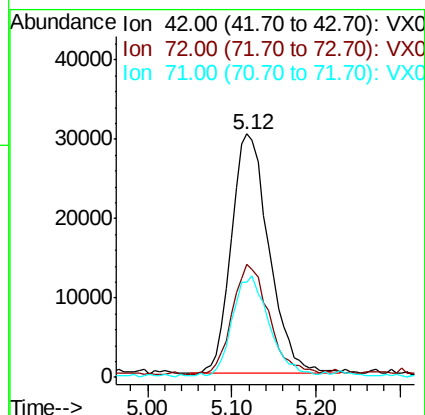
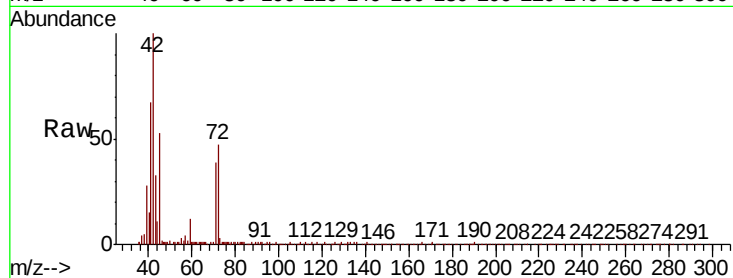




#29
Tetrahydrofuran
Concen: 24.383 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

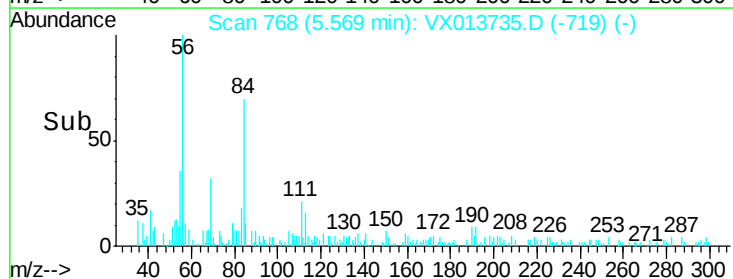
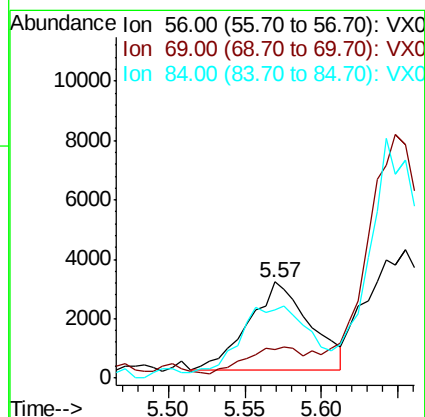
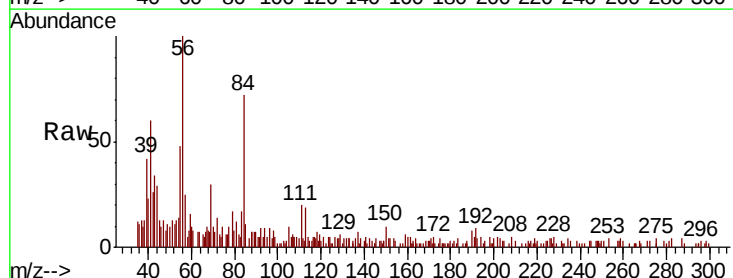
Instrument :
MSVOA_X
ClientSampleId :
30734

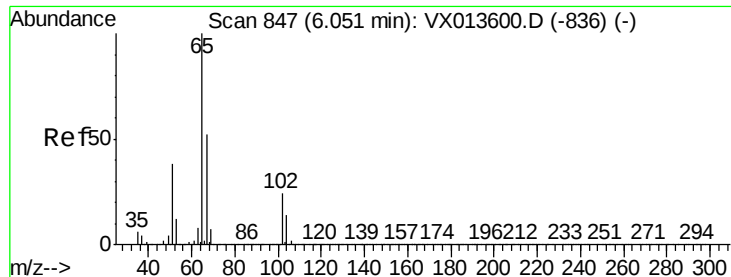
Tot Ion: 42 Resp: 90984
Ion Ratio Lower Upper
42 100
72 45.7 36.3 54.5
71 41.5 33.2 49.8



#31
Cyclohexane
Concen: 0.667 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 56 Resp: 8128
Ion Ratio Lower Upper
56 100
69 18.5 24.6 36.8#
84 66.6 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 46.427 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

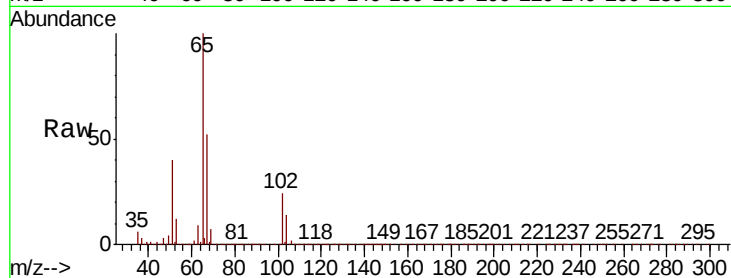
30734

Tot Ion: 65 Resp: 382988

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

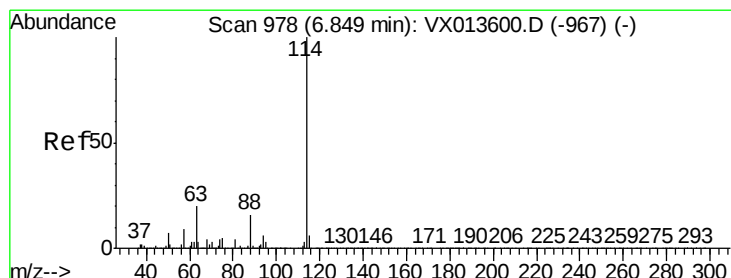
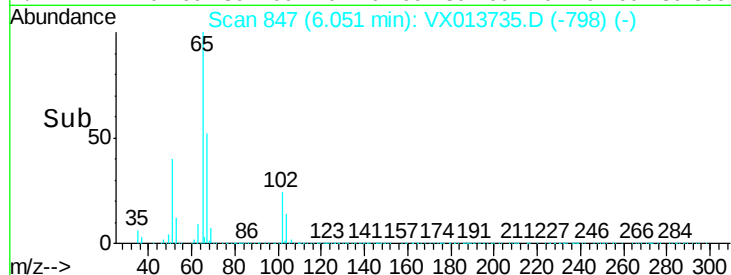
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

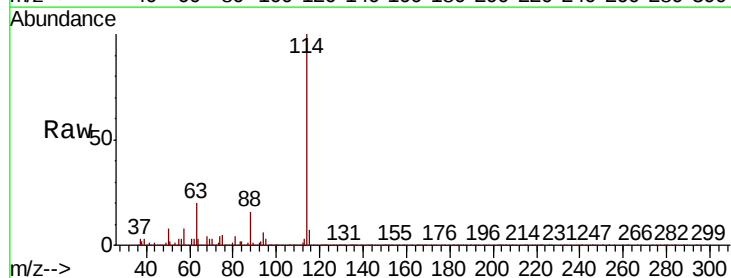
Tgt Ion: 114 Resp: 1077703

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.6 0.0 31.4



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

600000

500000

400000

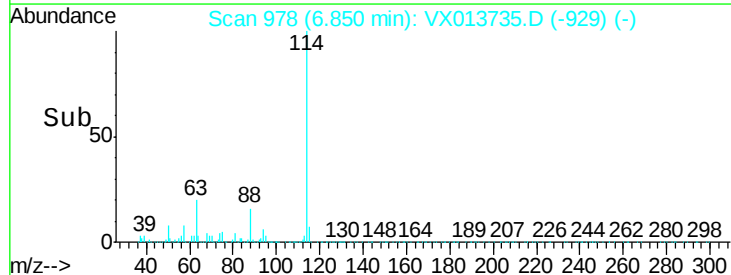
300000

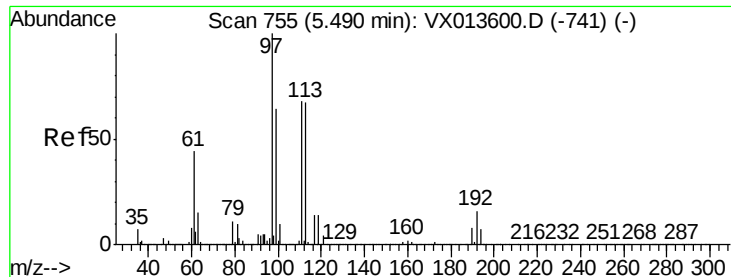
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.647 ug/l

RT: 5.48 min Scan# 754

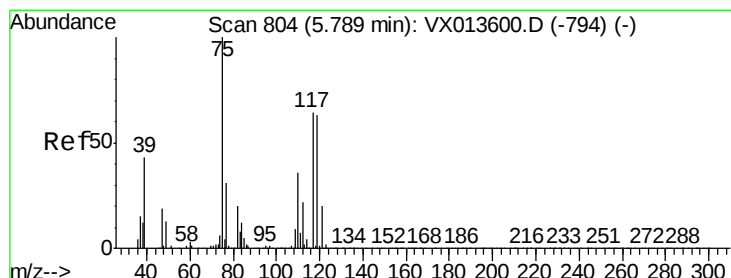
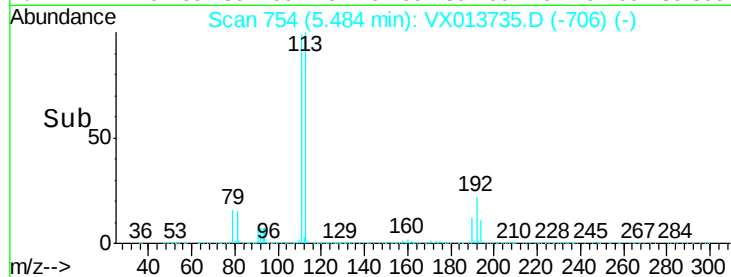
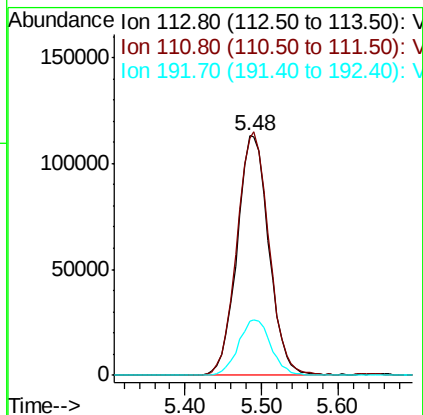
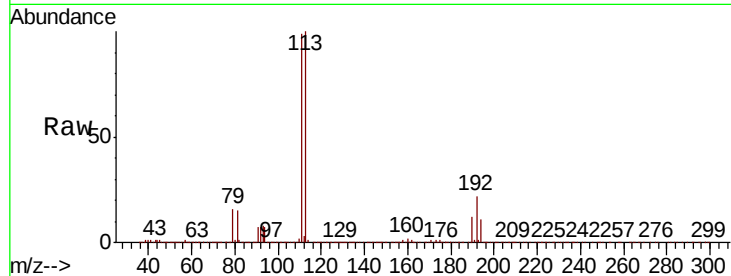
Delta R.T. -0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampled :
30734

Tot Ion:	113	Resp:	324109
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.6	125.4
192	23.6	19.2	28.8



#36

1,1-Dichloropropene

Concen: 0.215 ug/l

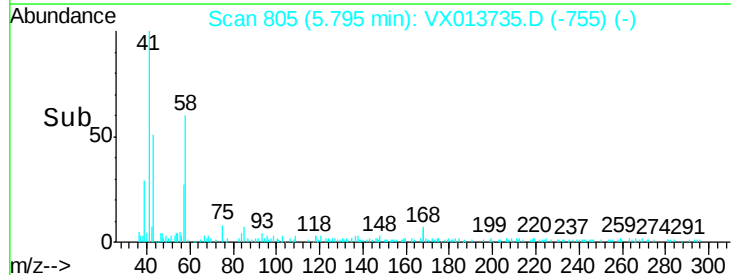
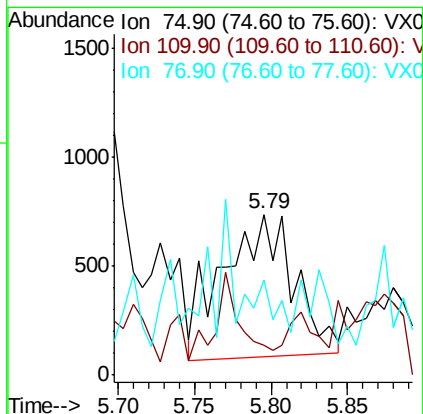
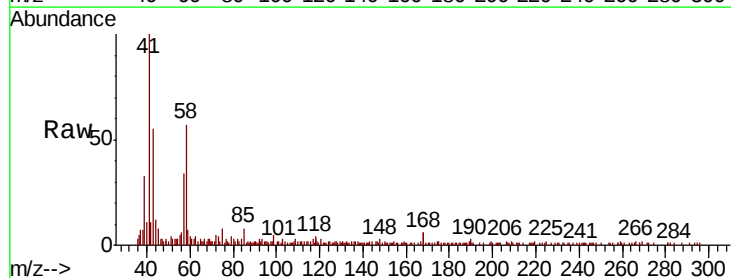
RT: 5.79 min Scan# 805

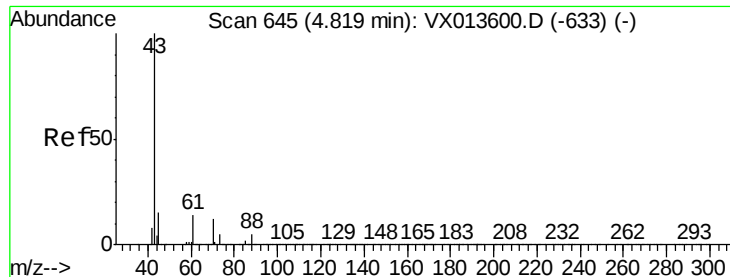
Delta R.T. 0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Tgt Ion:	75	Resp:	2102
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	24.5	36.7#

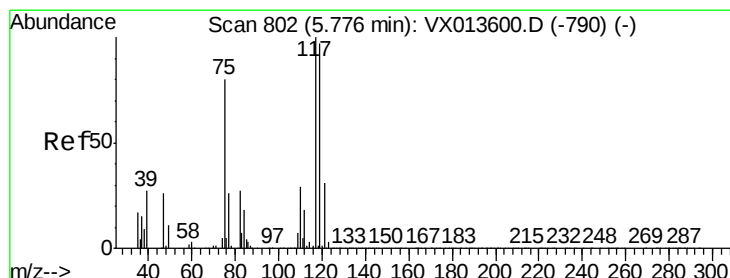
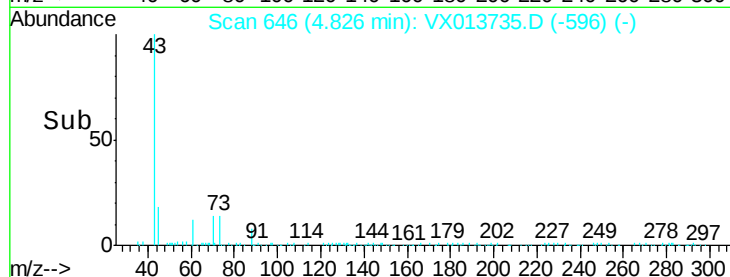
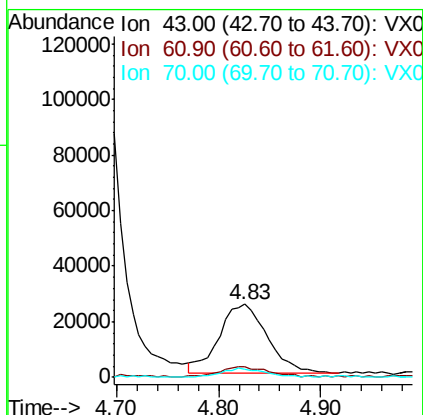
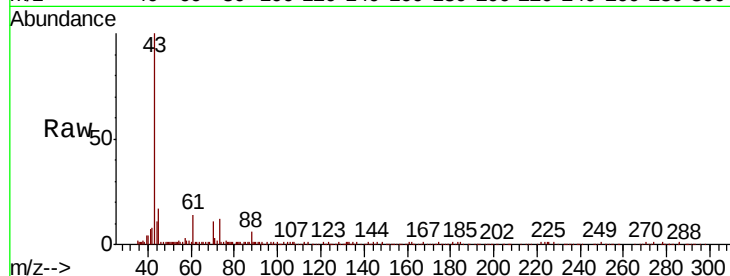




#37
Ethyl Acetate
Concen: 7.362 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

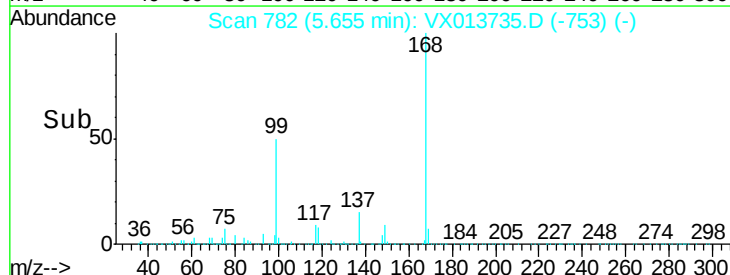
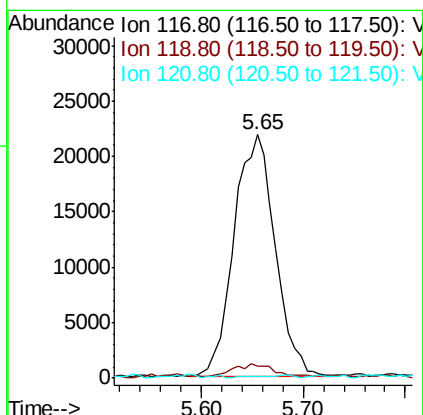
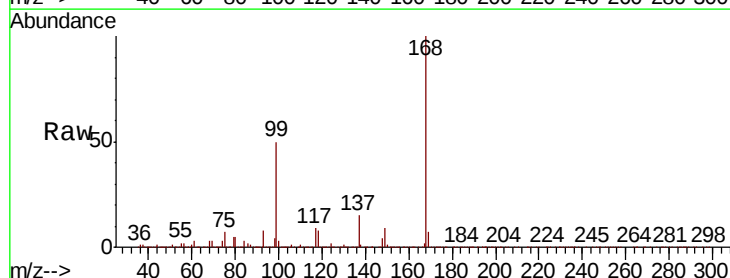
Instrument :
MSVOA_X
ClientSampleID :
30734

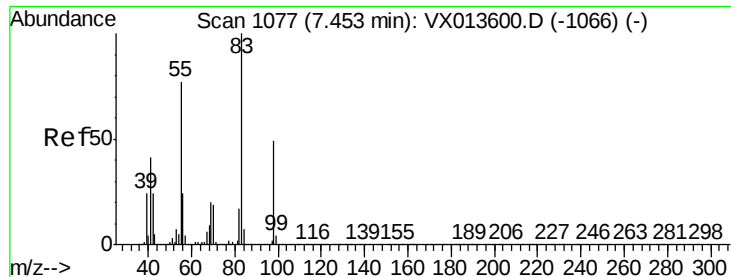
Tot Ion	43	Resp	80794
Ion Ratio	Lower	Upper	
43	100		
61	13.2	11.0	16.4
70	10.9	8.6	12.8



#38
Carbon Tetrachloride
Concen: 6.748 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	117	Resp	60867
Ion Ratio	Lower	Upper	
117	100		
119	4.6	77.5	116.3#
121	0.0	25.0	37.6#

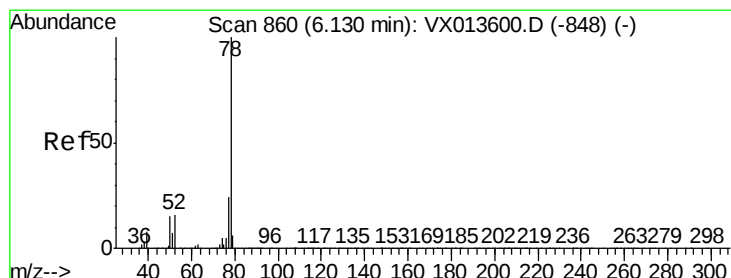
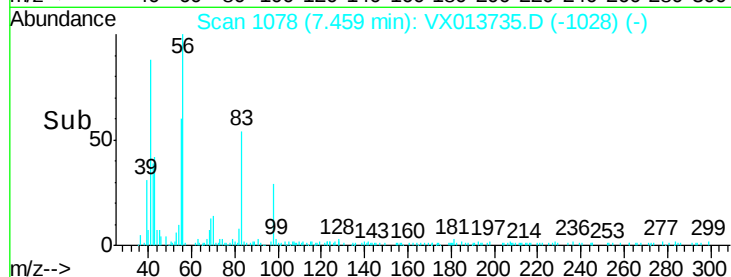
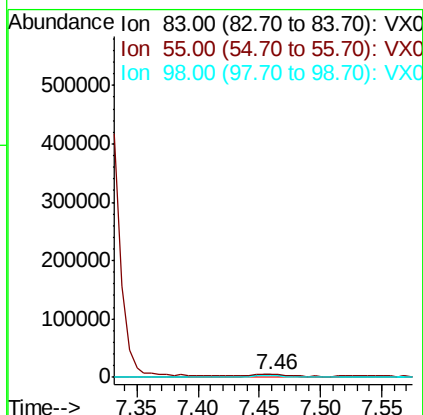
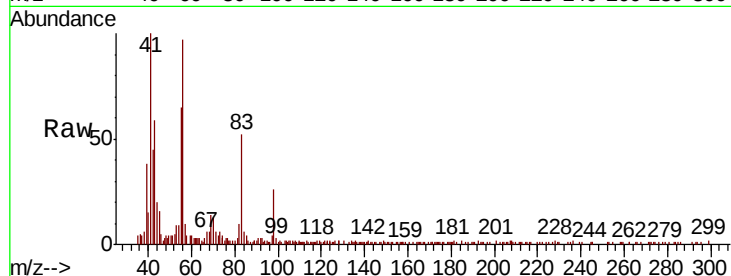




#39
Methvlcvclohexane
Concen: 0.820 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

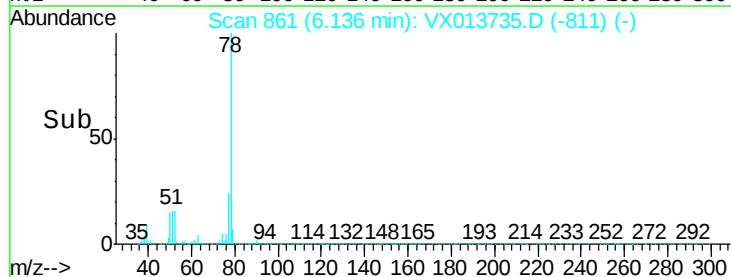
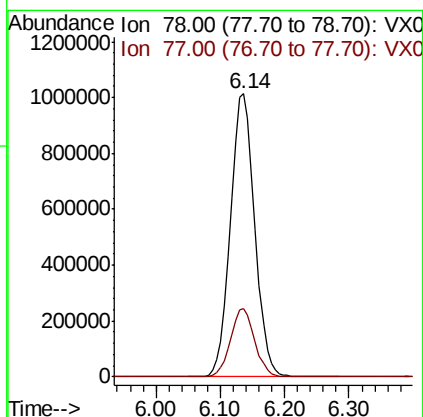
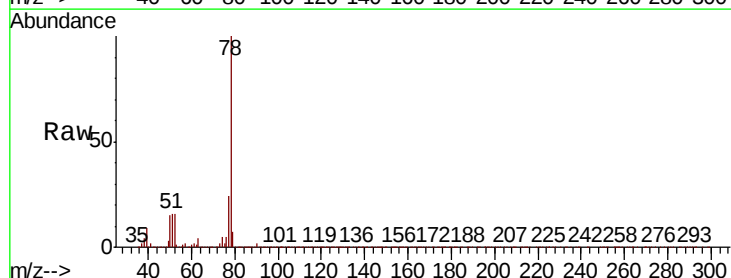
Instrument :
MSVOA_X
ClientSampled :
30734

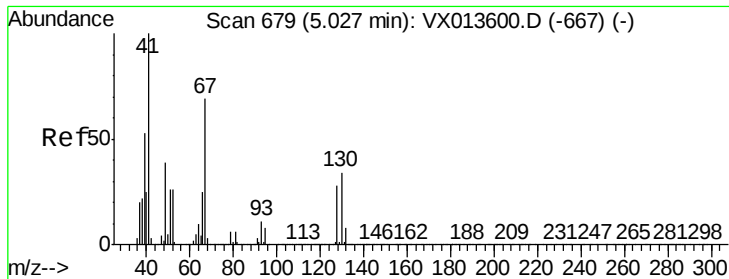
Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	61.9	92.9
98	49.8	39.4	59.0



#40
Benzene
Concen: 89.861 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

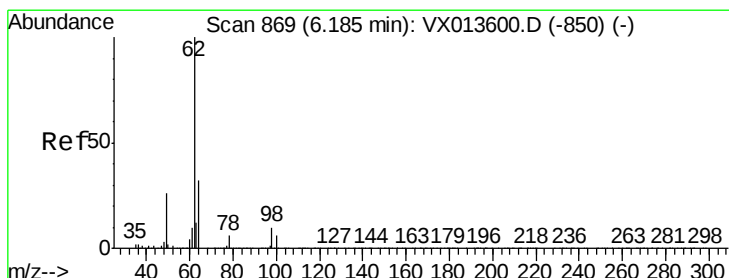
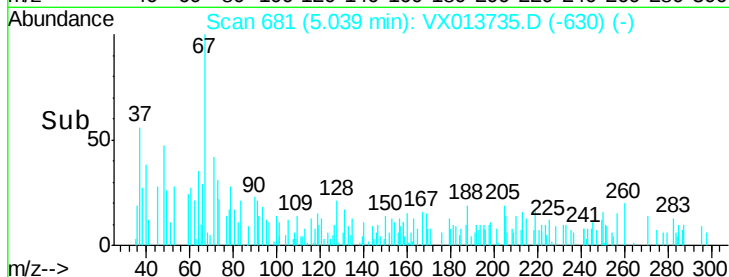
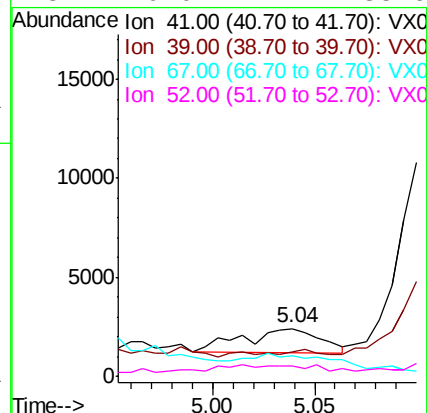
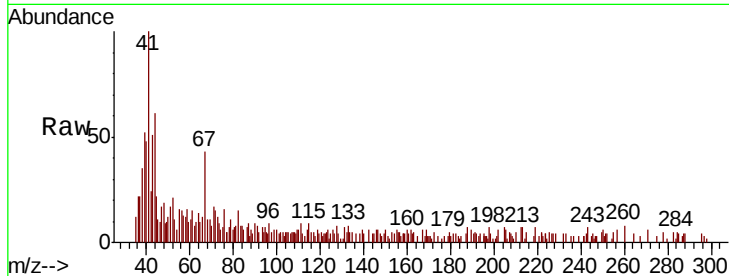




#41
Methacrylonitrile
Concen: 0.529 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

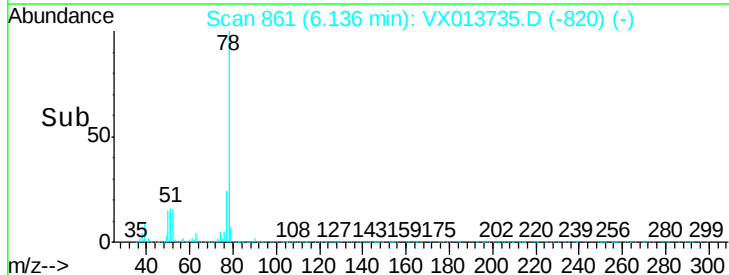
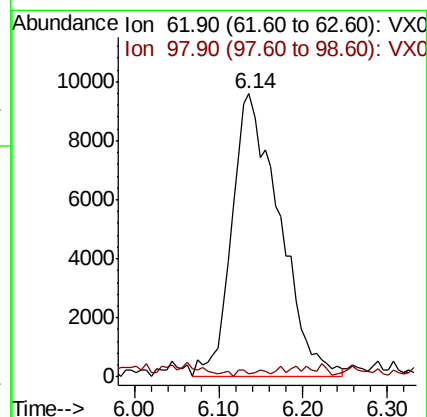
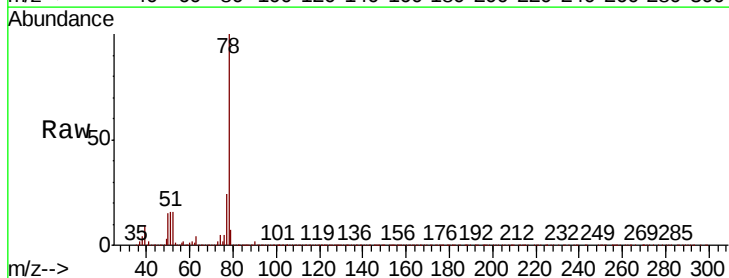
Instrument :
MSVOA_X
ClientSampleId :
30734

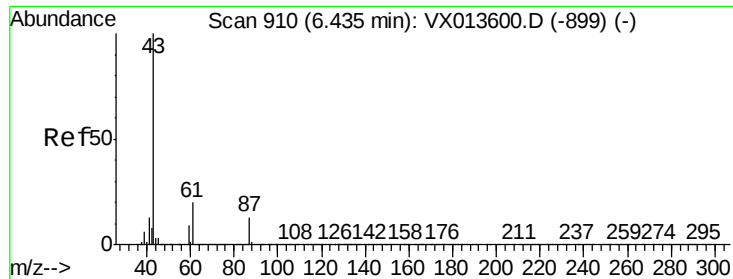
Tot Ion:	41	Resp:	3182
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.9	64.3#
67	0.0	57.4	86.0#
52	0.0	22.4	33.6#



#42
1,2-Dichloroethane
Concen: 3.634 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.05 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion:	62	Resp:	36924
Ion	Ratio	Lower	Upper
62	100		
98	0.3	0.0	20.8

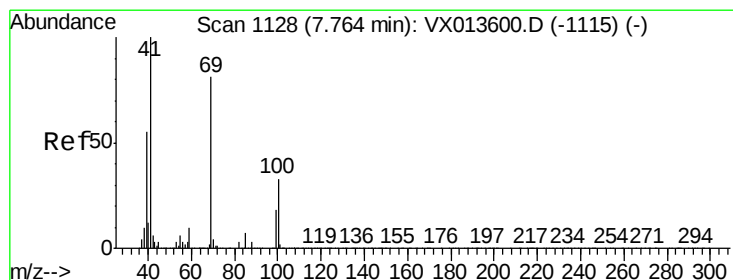
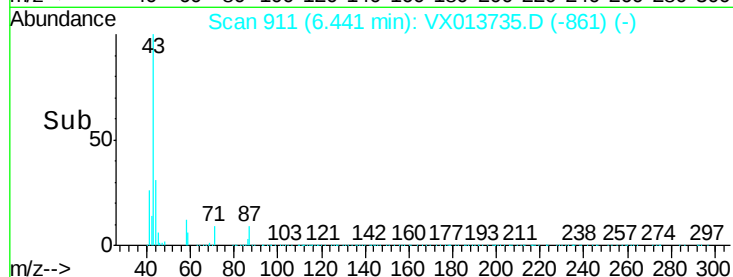
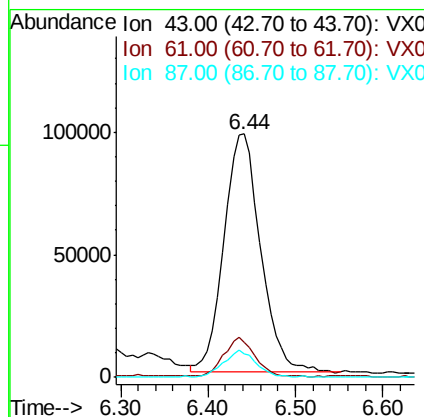
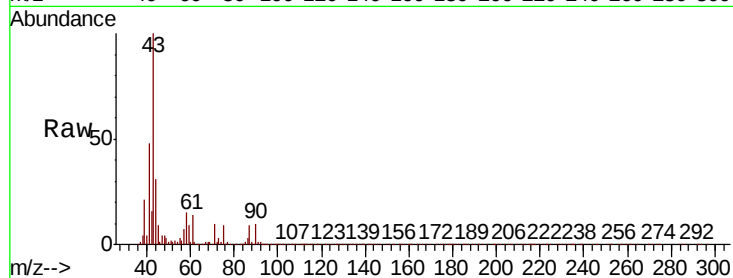




#43
Isopropyl Acetate
Concen: 15.729 ug/l
RT: 6.44 min Scan# 911
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

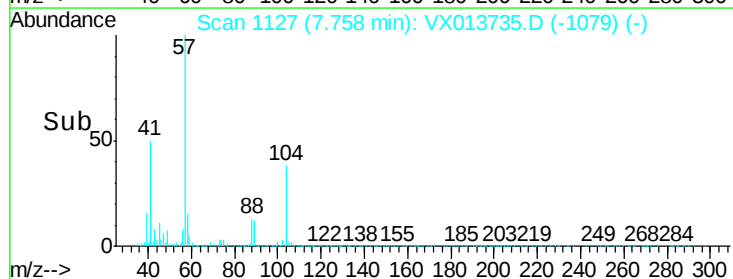
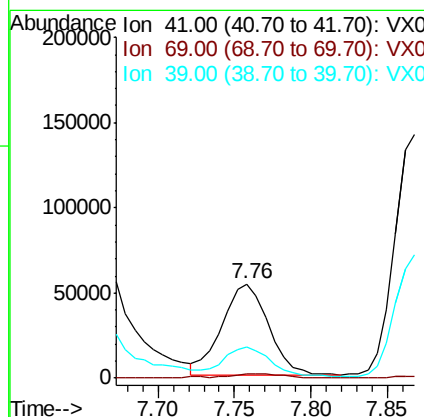
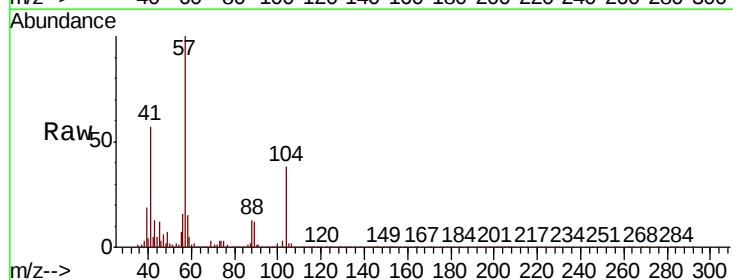
Instrument :
MSVOA_X
ClientSampled :
30734

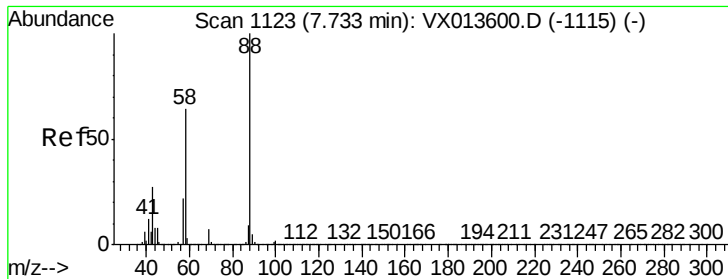
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	16.3	24.5#
87	10.0	10.8	16.2#



#48
Methyl methacrylate
Concen: 12.832 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	4.7	64.7	97.1#
39	31.8	43.8	65.6#





#49

1,4-Dioxane

Concen: 460.509 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

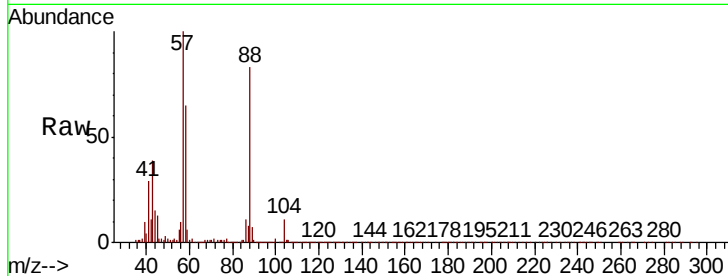
Tot Ion: 88 Resp: 90492

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

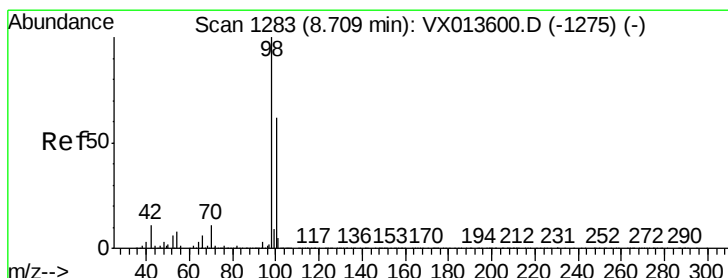
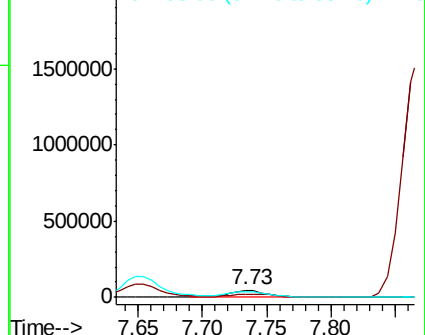
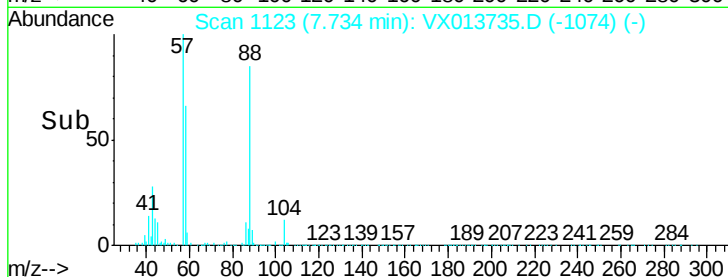
58 90.6 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.517 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013735.D

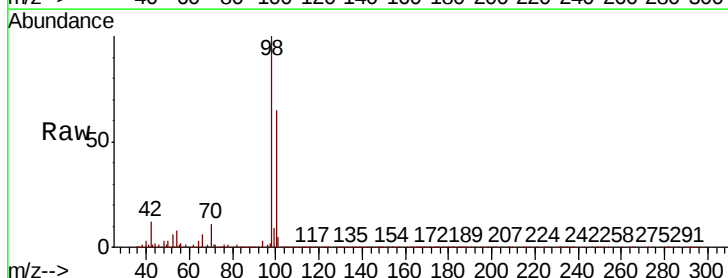
Acq: 03 Dec 2019 19:18

Tgt Ion: 98 Resp: 1285360

Ion Ratio Lower Upper

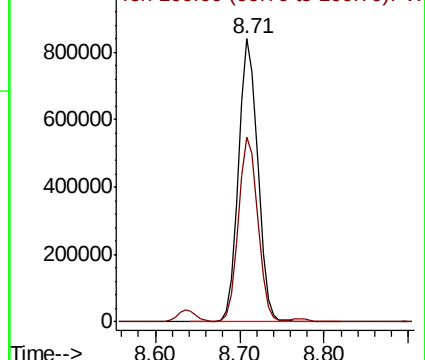
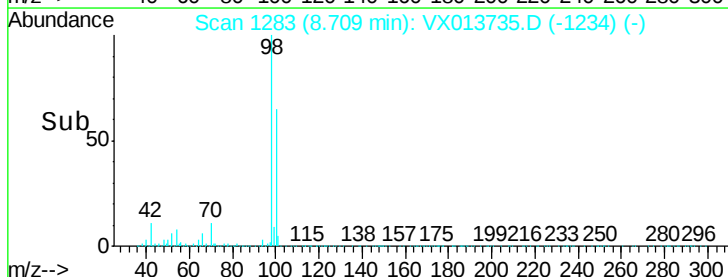
98 100

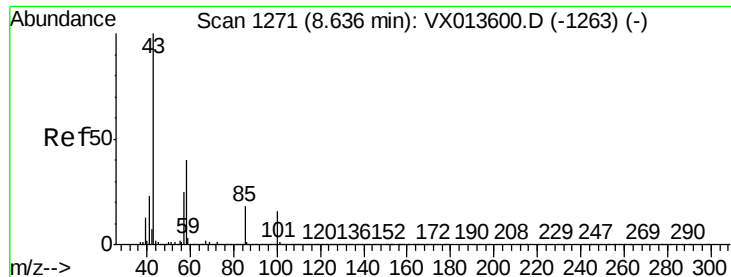
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 38.513 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

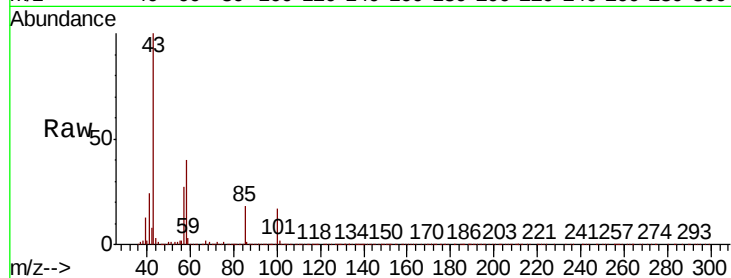
30734

Tot Ion: 43 Resp: 437710

Ion Ratio Lower Upper

43 100

58 31.9 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

250000

200000

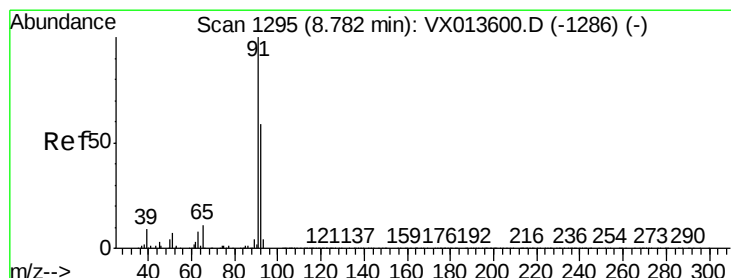
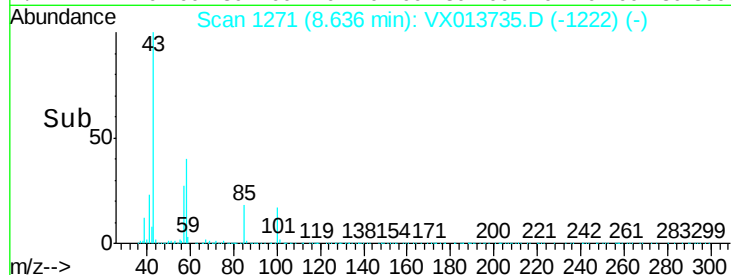
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 156.163 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013735.D

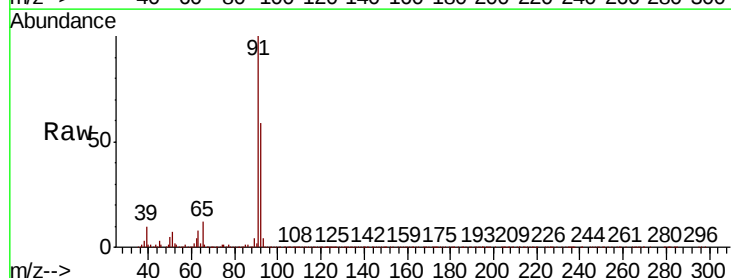
Acq: 03 Dec 2019 19:18

Tgt Ion: 92 Resp: 2890580

Ion Ratio Lower Upper

92 100

91 169.2 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

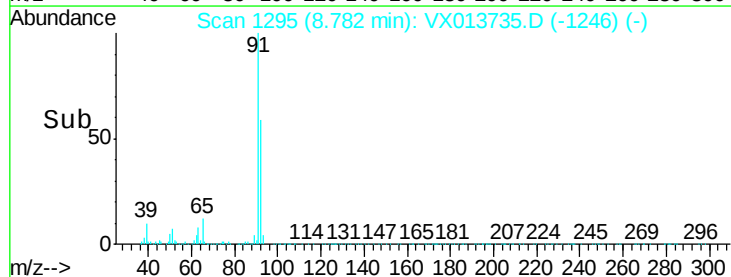
3000000

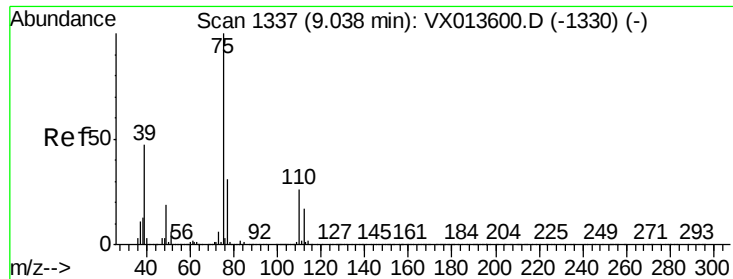
2000000

1000000

0

Time-->

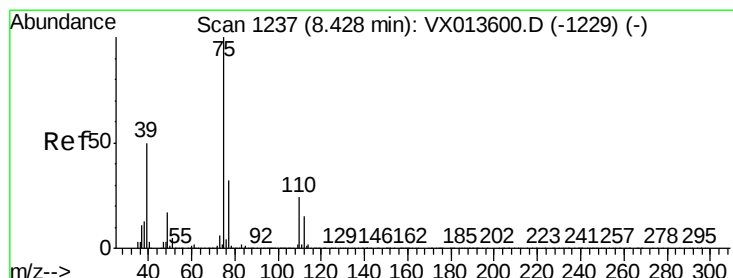
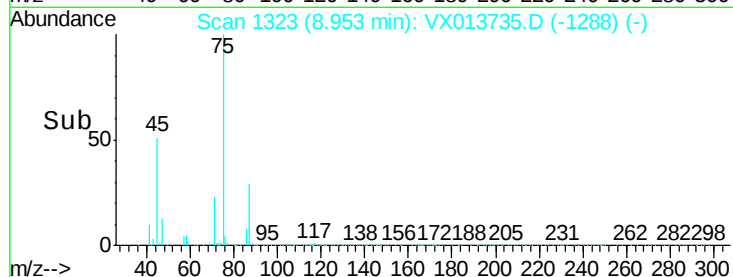
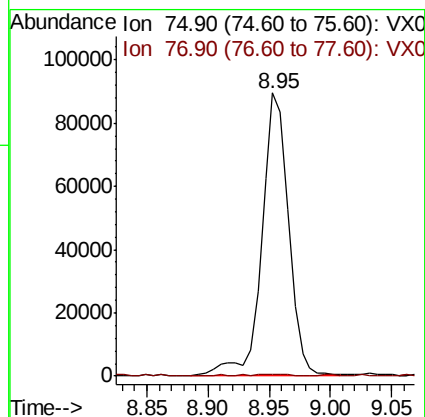
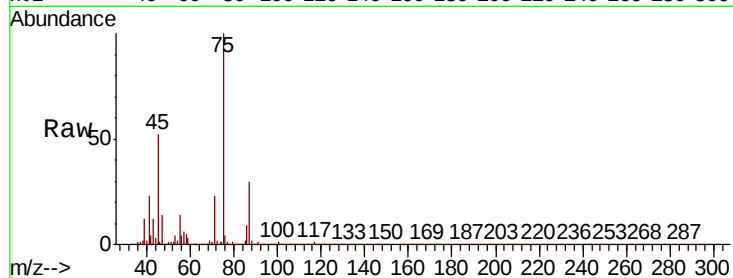




#53
t-1,3-Dichloropropene
Concen: 12.679 ug/l
RT: 8.95 min Scan# 1323
Delta R.T. -0.09 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

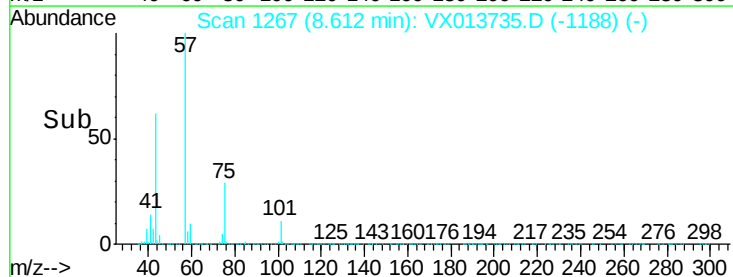
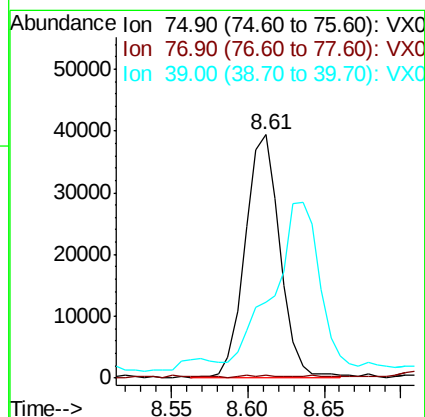
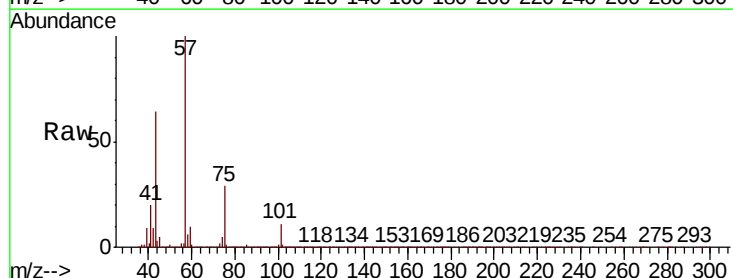
Instrument :
MSVOA_X
ClientSampleId :
30734

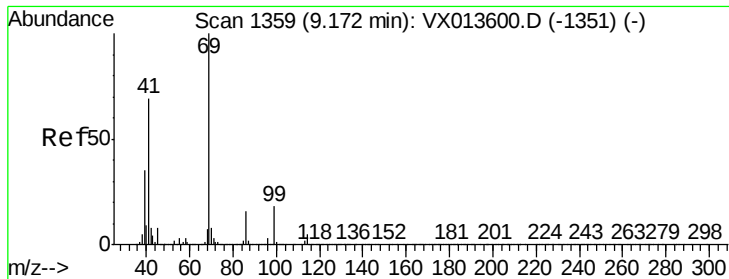
Tot Ion: 75 Resp: 138137
Ion Ratio Lower Upper
75 100
77 0.8 24.4 36.6#



#54
cis-1,3-Dichloropropene
Concen: 5.148 ug/l
RT: 8.61 min Scan# 1267
Delta R.T. 0.18 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 75 Resp: 61277
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.6#
39 23.7 39.9 59.9#





#56

Ethyl methacrylate

Concen: 0.592 ug/l

RT: 9.24 min Scan# 1370

Delta R.T. 0.07 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

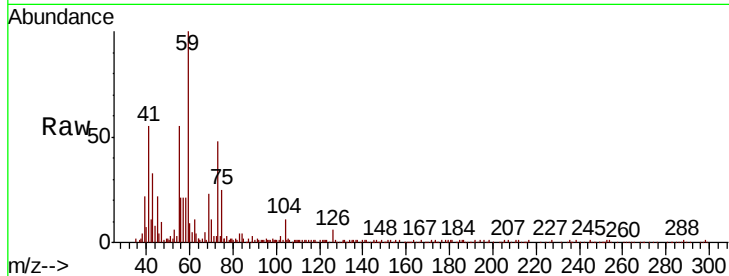
Tot Ion: 69 Resp: 7097

Ion Ratio Lower Upper

69 100

41 0.0 55.0 82.4#

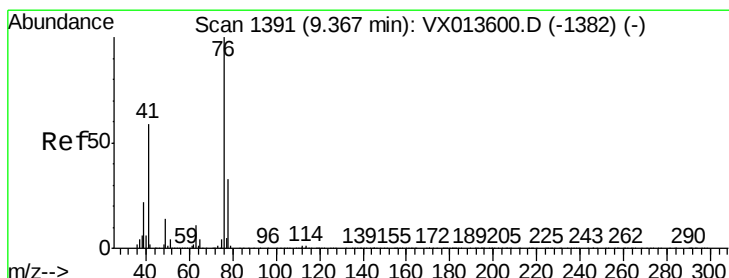
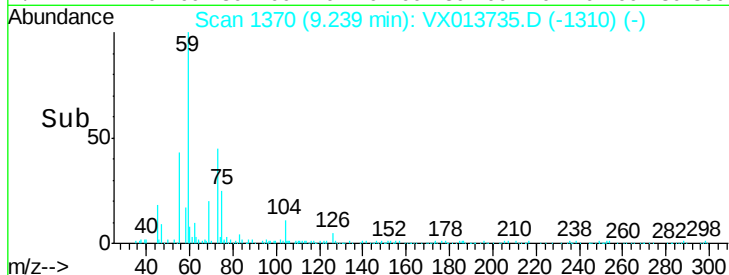
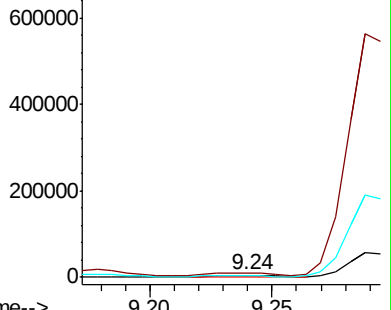
39 0.0 28.7 43.1#



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: 0.246 ug/l

RT: 9.12 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX013735.D

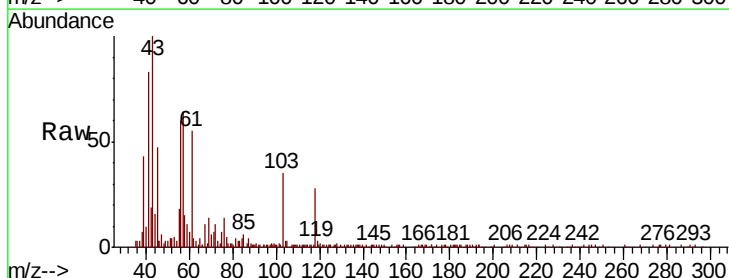
Acq: 03 Dec 2019 19:18

Tgt Ion: 76 Resp: 3158

Ion Ratio Lower Upper

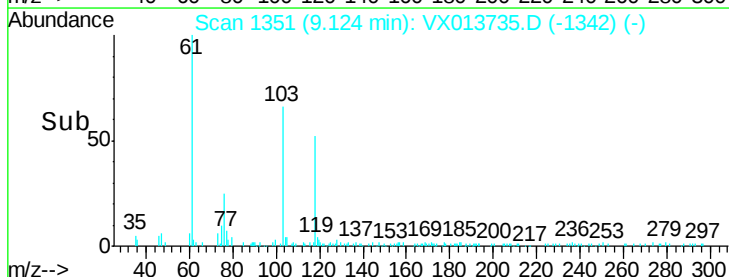
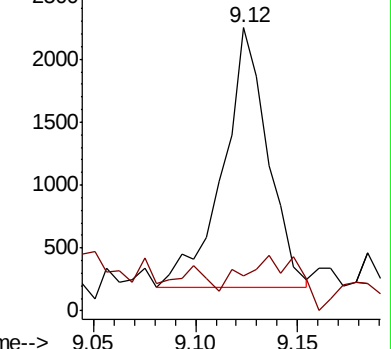
76 100

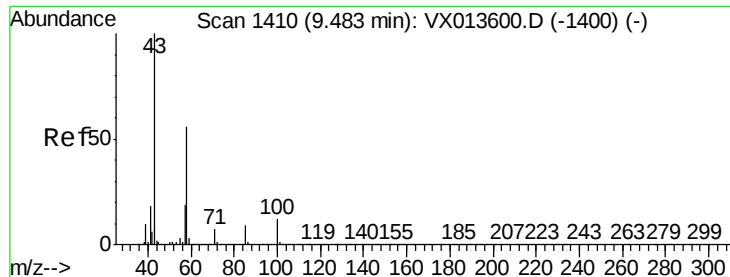
78 27.4 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

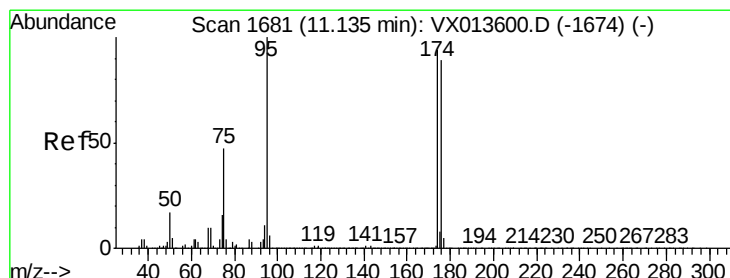
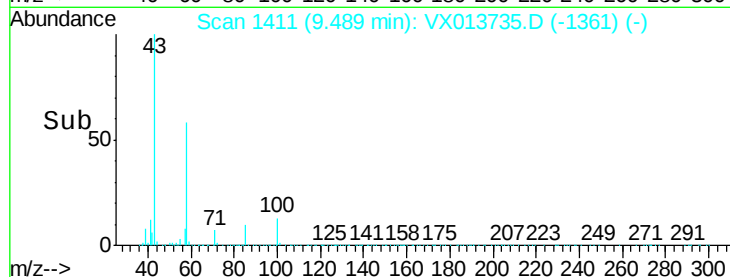
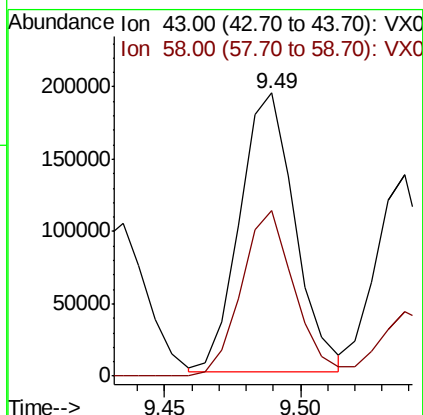
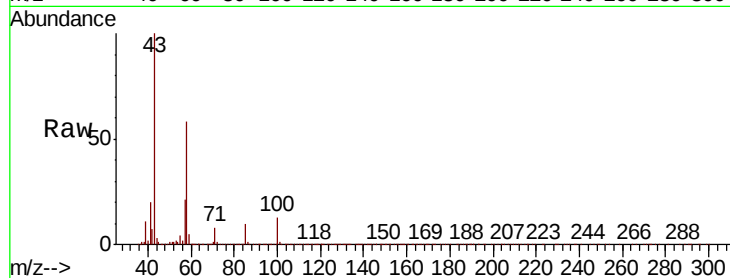




#59
2-Hexanone
Concen: 30.689 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

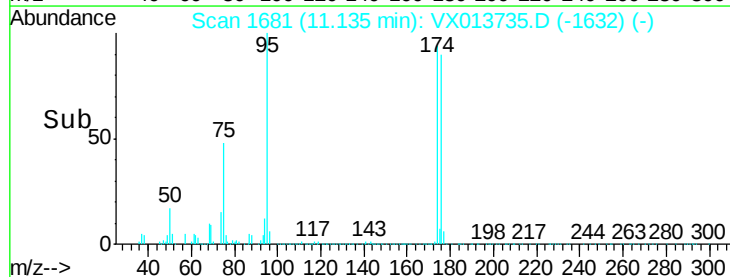
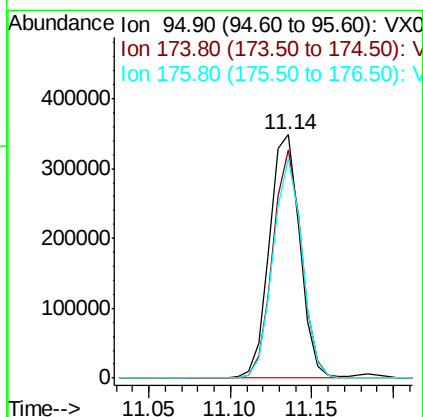
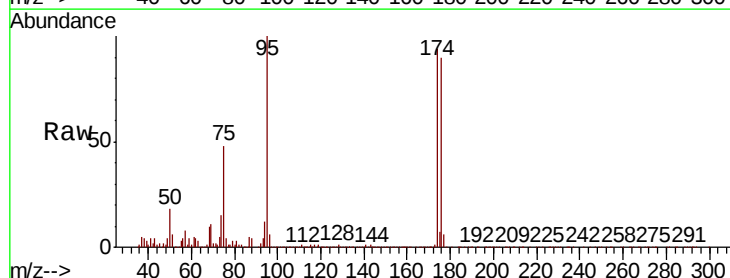
Instrument :
MSVOA_X
ClientSampled :
30734

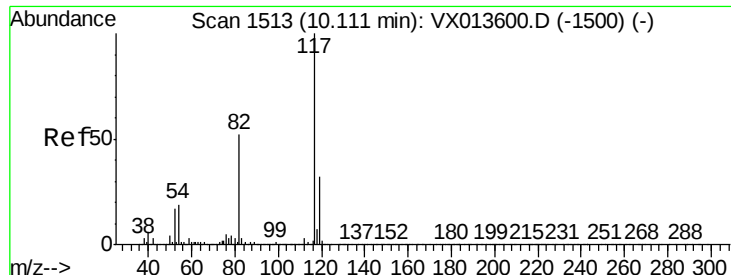
Tot Ion: 43 Resp: 272027
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 48.007 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion: 95 Resp: 449367
Ion Ratio Lower Upper
95 100
174 89.8 0.0 180.0
176 86.9 0.0 173.6

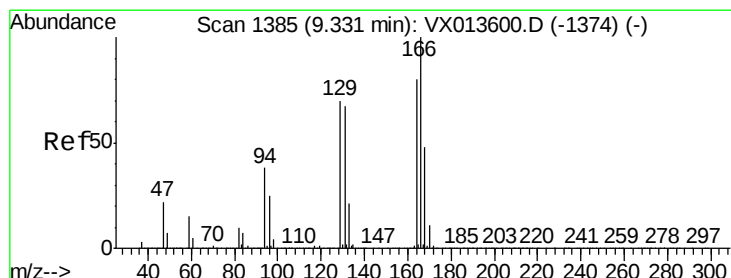
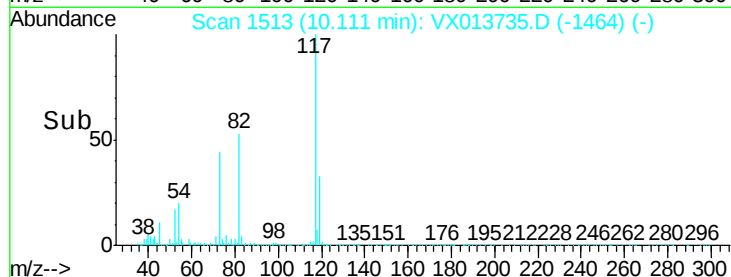
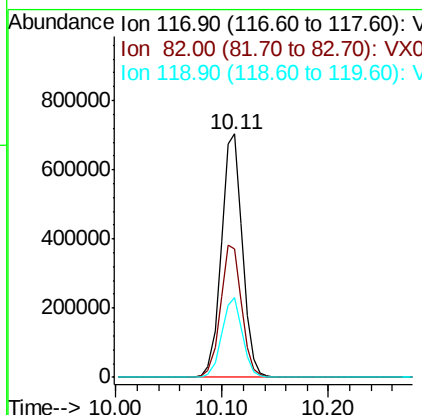
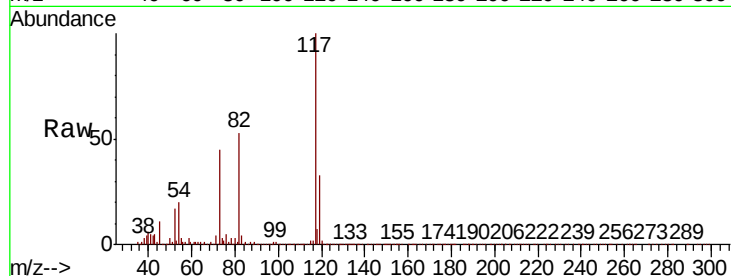




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

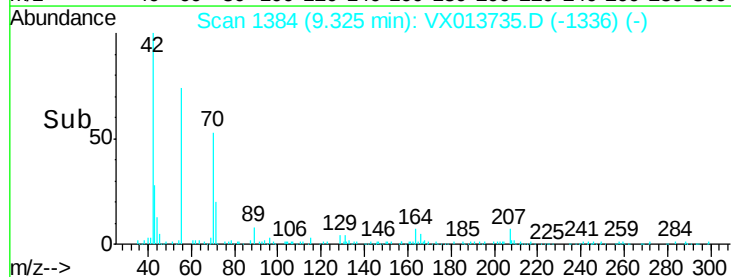
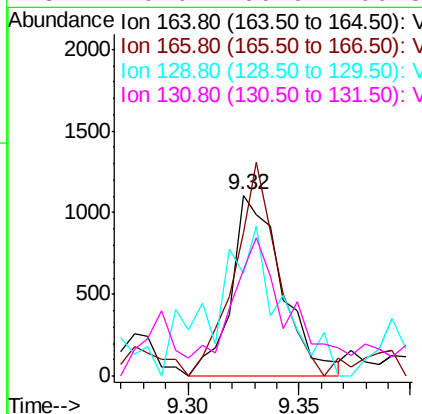
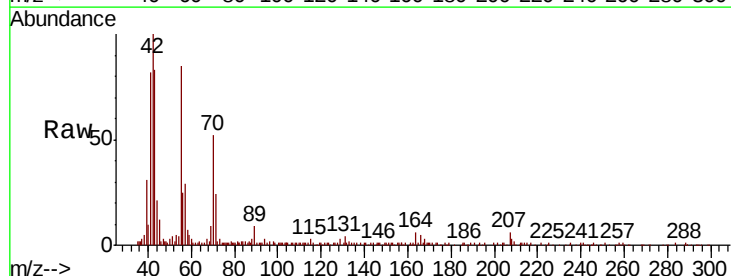
Instrument :
MSVOA_X
ClientSampleId :
30734

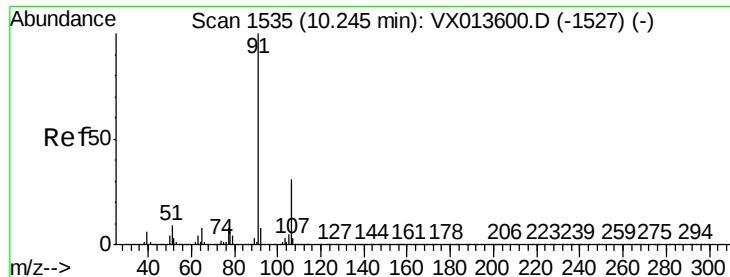
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.8	62.8
119	32.6	25.8	38.8



#64
Tetrachloroethene
Concen: 0.246 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	79.4	99.7	149.5#
129	46.4	70.1	105.1#
131	49.0	66.9	100.3#





#67

Ethyl Benzene

Concen: 21.716 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

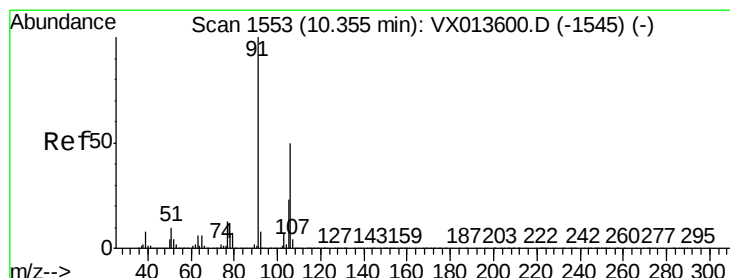
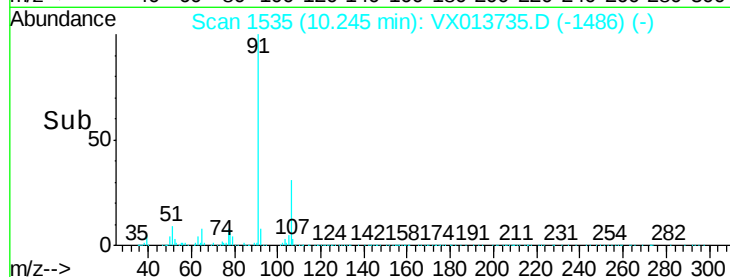
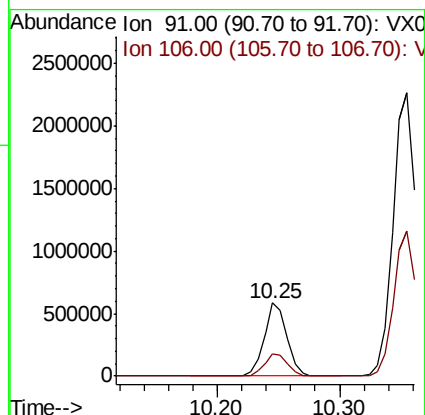
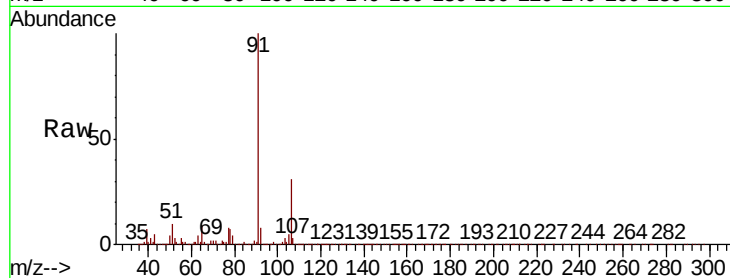
30734

Tot Ion: 91 Resp: 748327

Ion Ratio Lower Upper

91 100

106 30.9 24.5 36.7



#68

m/p-Xylenes

Concen: 113.963 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013735.D

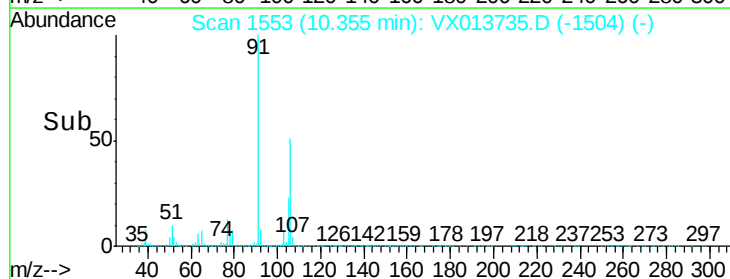
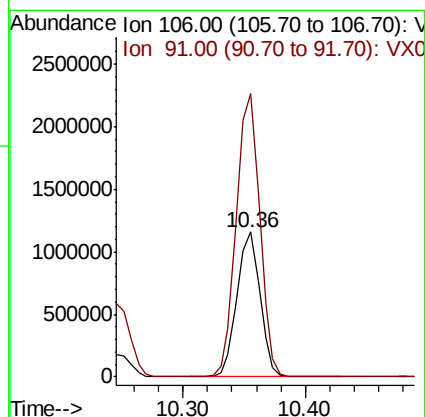
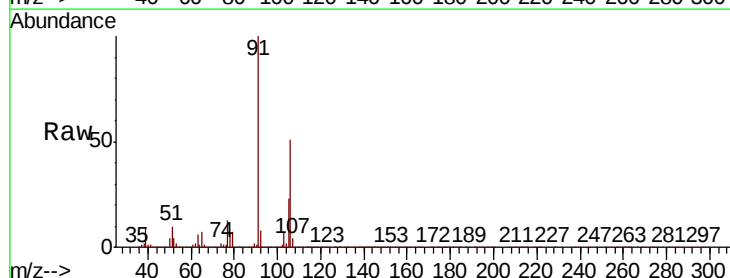
Acq: 03 Dec 2019 19:18

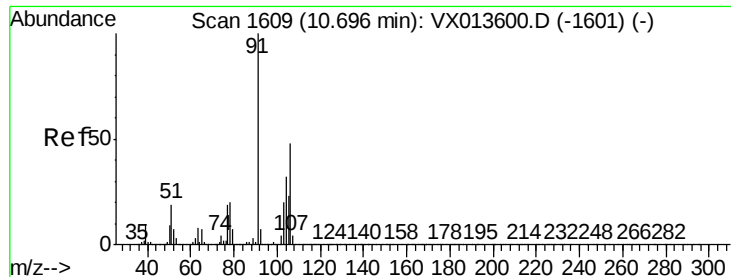
Tgt Ion: 106 Resp: 1503556

Ion Ratio Lower Upper

106 100

91 199.3 159.0 238.4

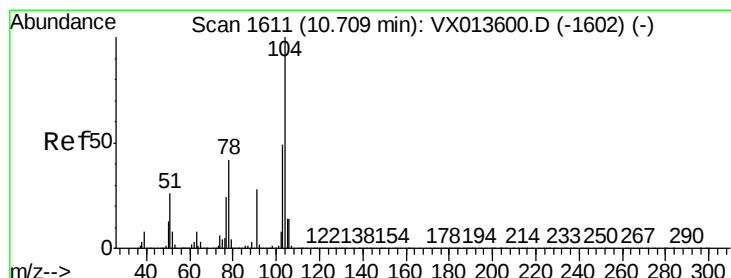
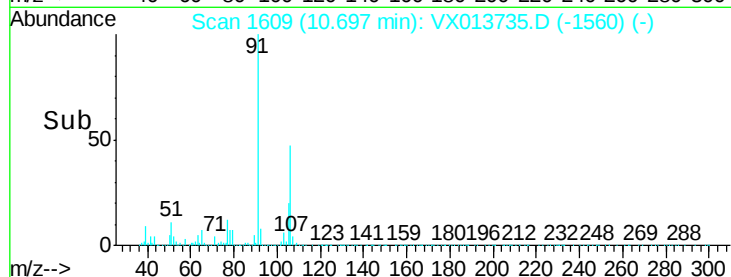
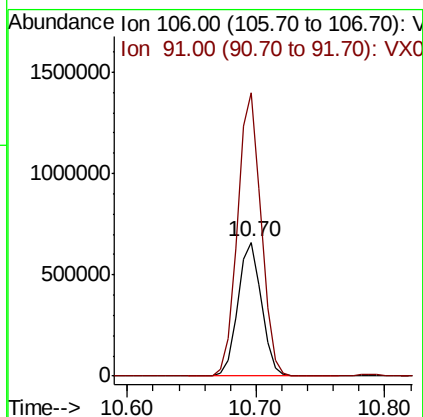
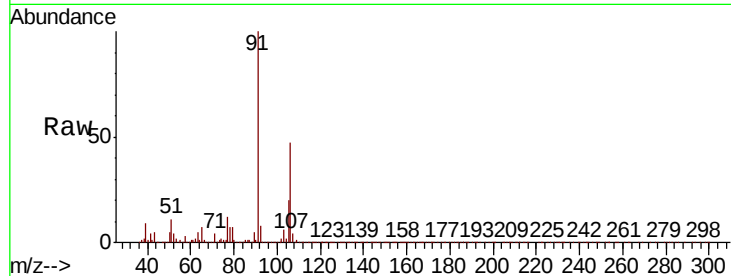




#69
o-Xylene
Concen: 65.175 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

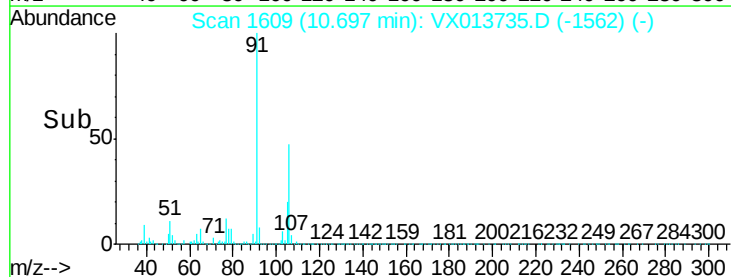
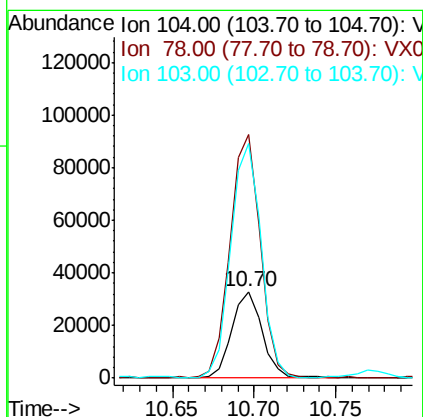
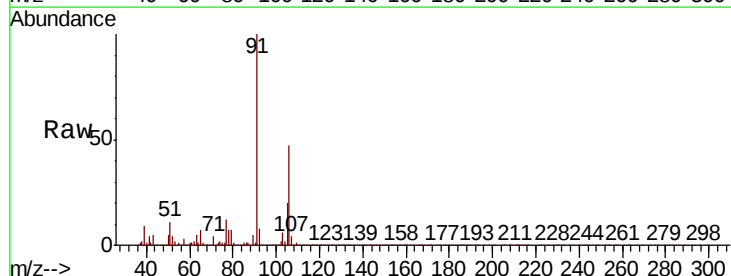
Instrument :
MSVOA_X
ClientSampleId :
30734

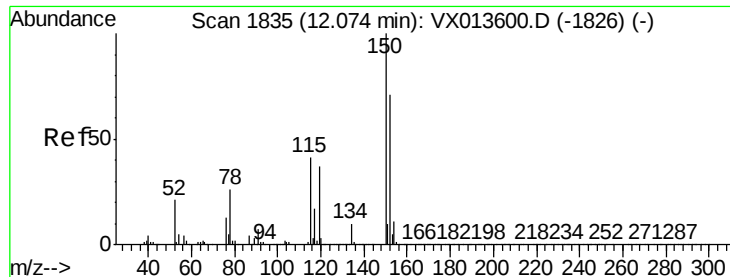
Tot Ion:106 Resp: 838628
Ion Ratio Lower Upper
106 100
91 210.8 104.1 312.2



#70
Styrene
Concen: 1.959 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion:104 Resp: 42408
Ion Ratio Lower Upper
104 100
78 281.5 38.5 57.7#
103 270.1 43.7 65.5#



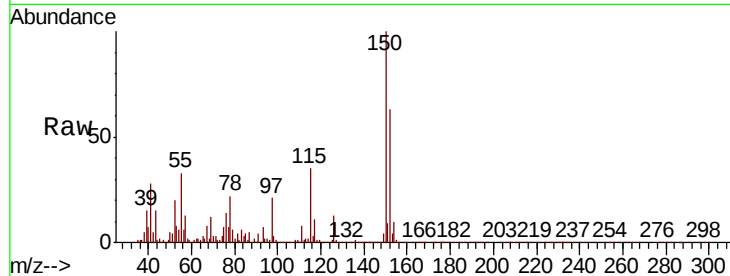


#72

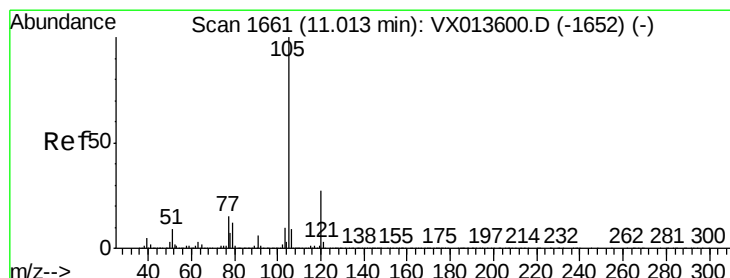
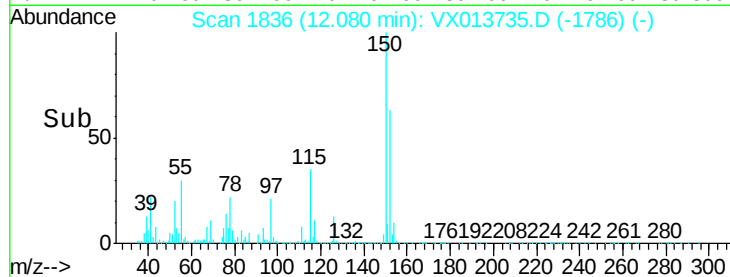
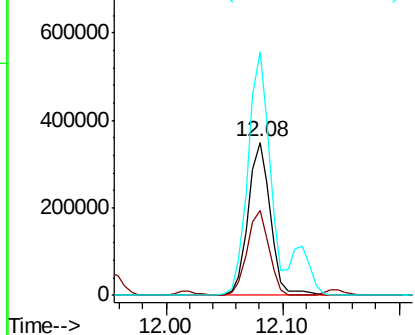
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampled :
30734

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.0	38.4	115.1
150	160.1	0.0	346.8



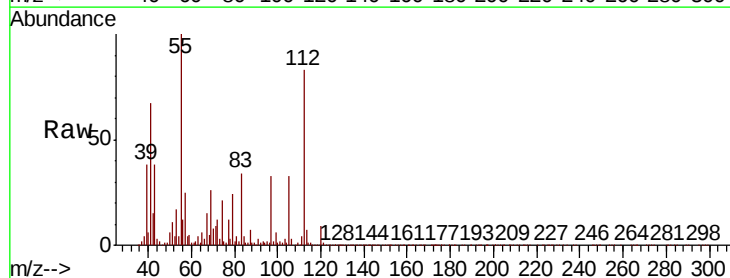
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



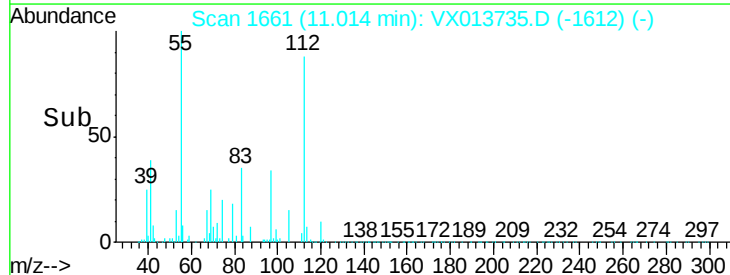
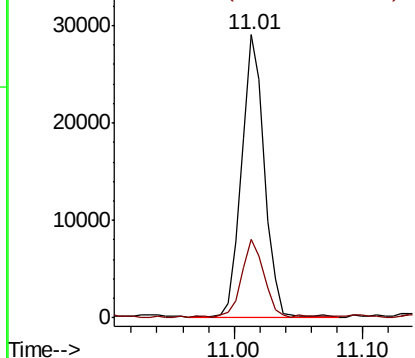
#73

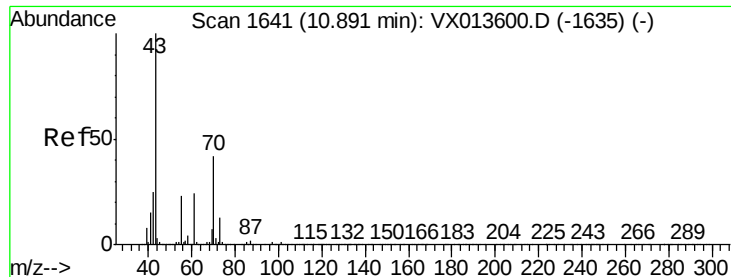
Isopropylbenzene
Concen: 1.091 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	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-amvl acetate

Concen: 27.089 ug/l

RT: 10.90 min Scan# 1643

Delta R.T. 0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :
30734

Tot Ion: 43 Resp: 406477

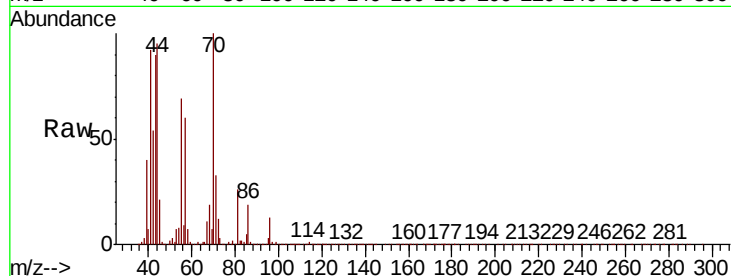
Ion Ratio Lower Upper

43 100

70 93.7 34.3 51.5#

55 63.3 18.5 27.7#

61 0.5 19.8 29.8#

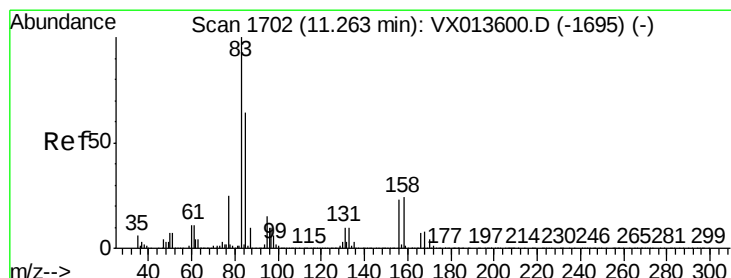
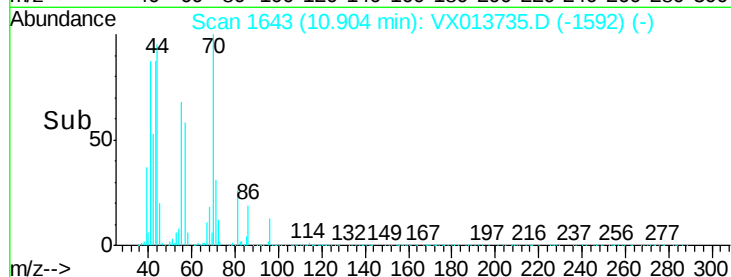
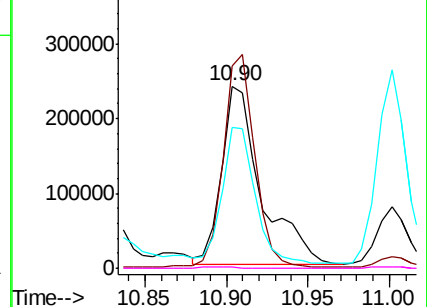


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 31.057 ug/l

RT: 11.33 min Scan# 1713

Delta R.T. 0.07 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

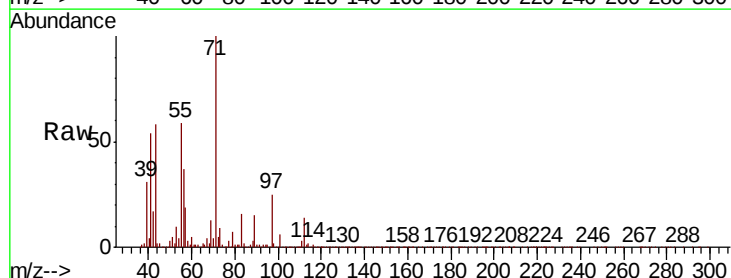
Tgt Ion: 83 Resp: 352797

Ion Ratio Lower Upper

83 100

131 0.1 5.1 15.3#

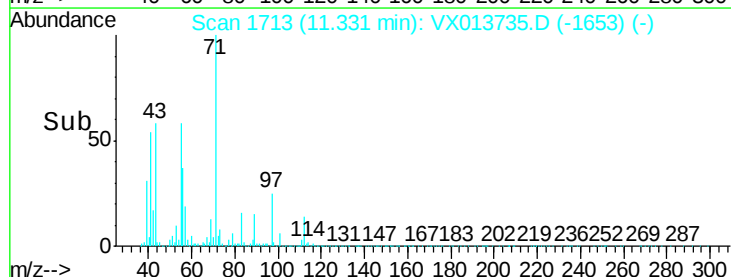
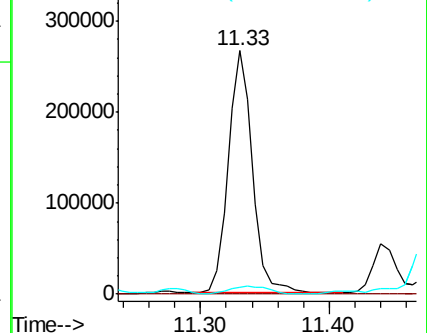
85 0.0 31.8 95.3#

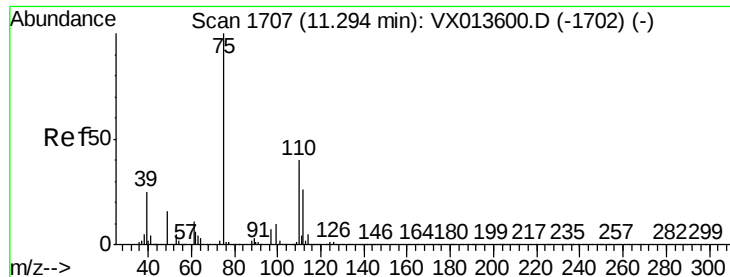


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.150 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

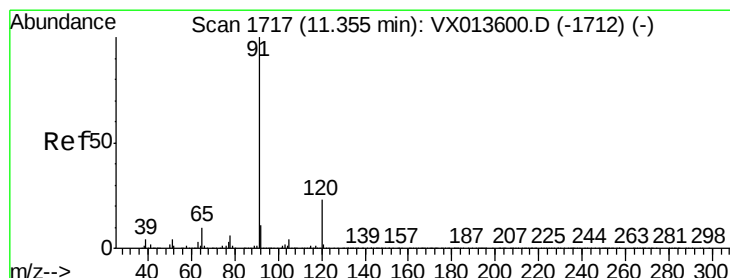
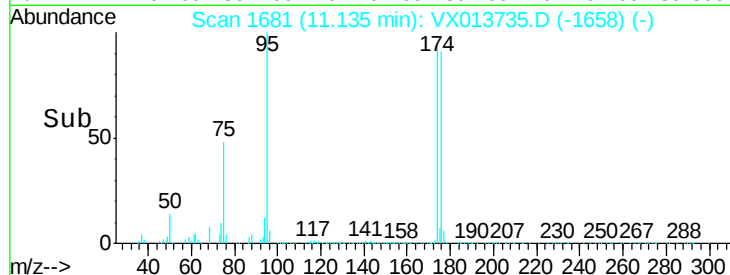
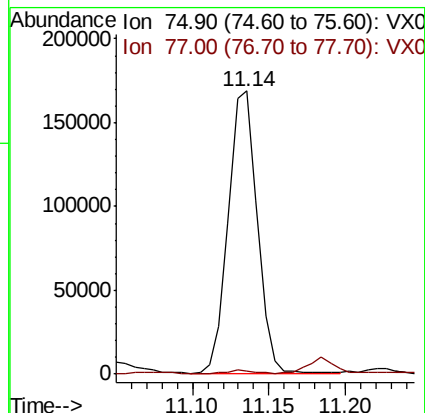
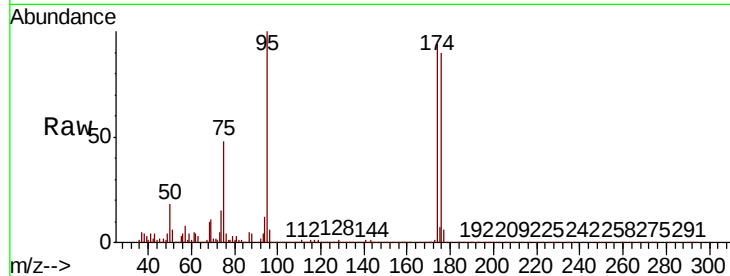
30734

Tot Ion: 75 Resp: 222135

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#78

n-propylbenzene

Concen: 1.394 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013735.D

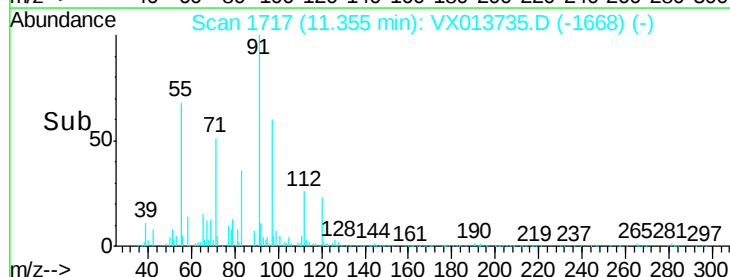
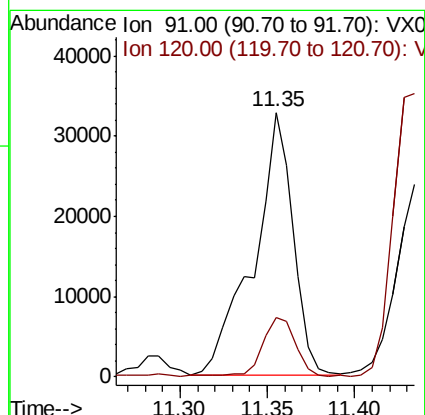
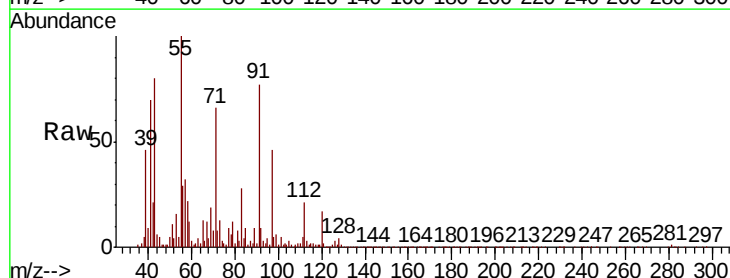
Acq: 03 Dec 2019 19:18

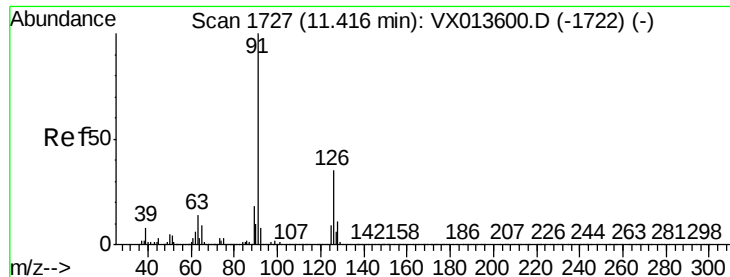
Tgt Ion: 91 Resp: 50966

Ion Ratio Lower Upper

91 100

120 18.3 11.8 35.3





#79

2-Chlorotoluene

Concen: 2.464 ug/l

RT: 11.44 min Scan# 1731

Delta R.T. 0.02 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

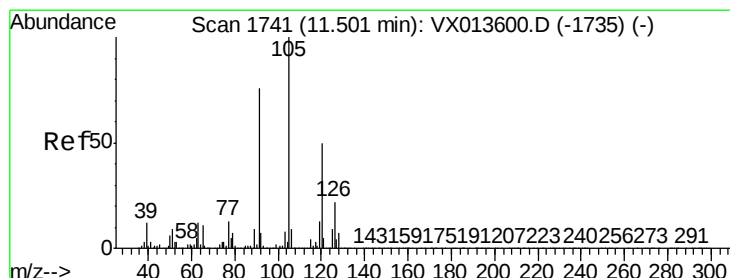
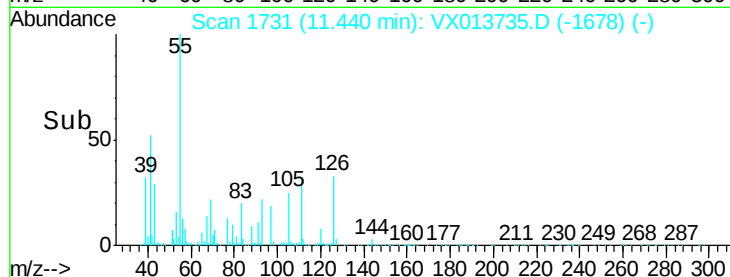
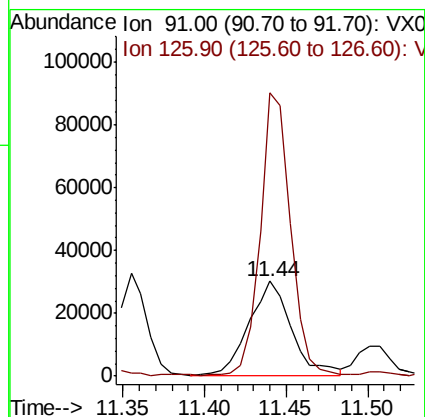
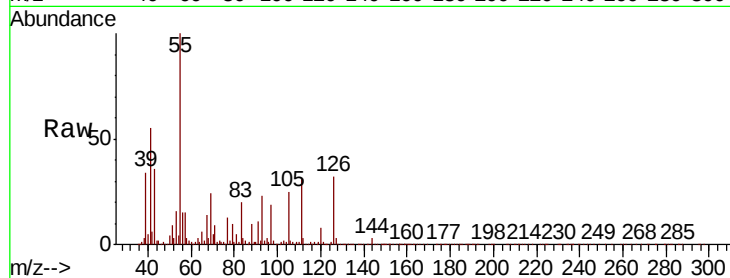
30734

Tot Ion: 91 Resp: 54045

Ion Ratio Lower Upper

91 100

126 214.1 17.5 52.5#



#80

1,3,5-Trimethylbenzene

Concen: 3.508 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013735.D

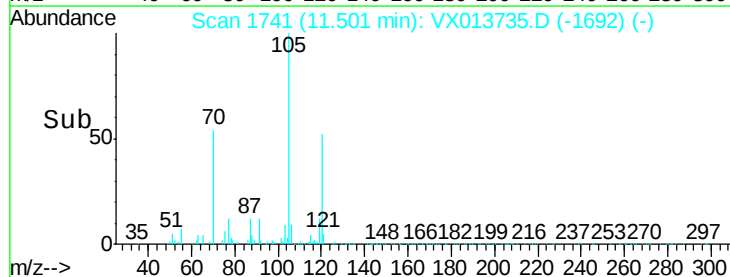
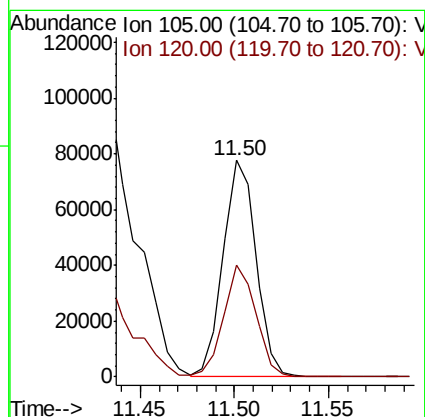
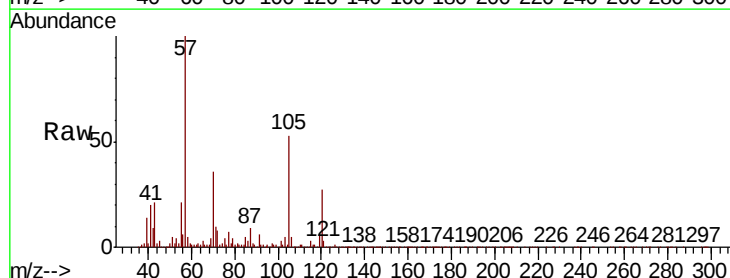
Acq: 03 Dec 2019 19:18

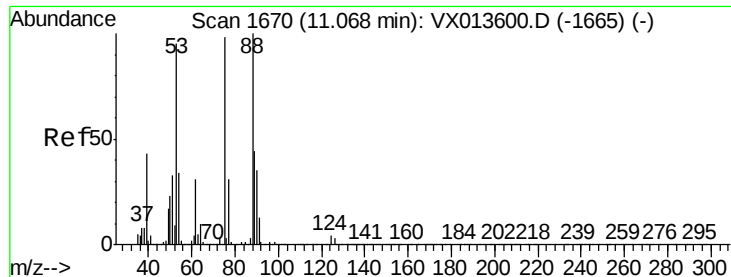
Tgt Ion: 105 Resp: 94185

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.9





#81

trans-1,4-Dichloro-2-butene

Concen: 3.126 ug/l

RT: 11.05 min Scan# 1667

Delta R.T. -0.02 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

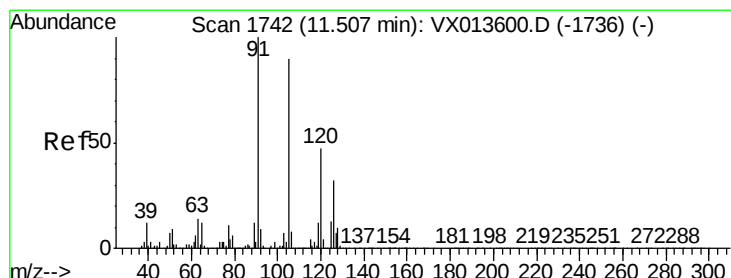
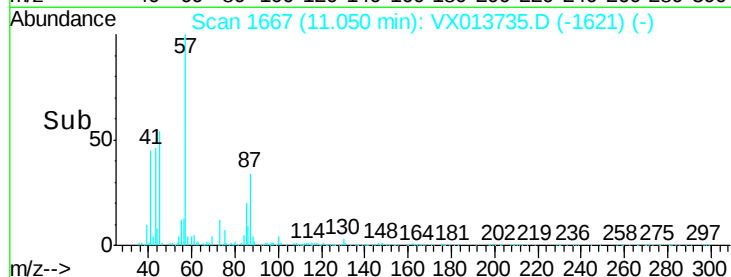
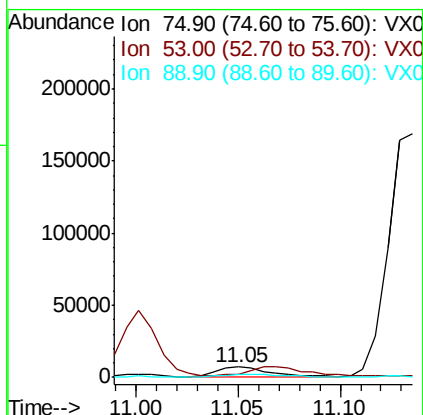
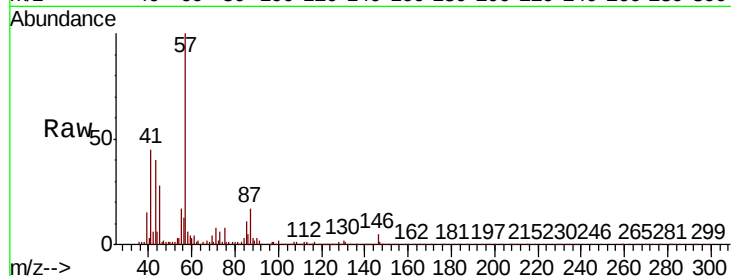
Tot Ion: 75 Resp: 11999

Ion Ratio Lower Upper

75 100

53 107.1 78.2 117.2

89 0.0 35.4 53.2#



#82

4-Chlorotoluene

Concen: 0.537 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013735.D

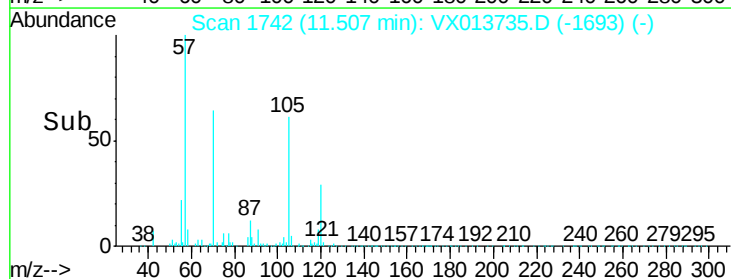
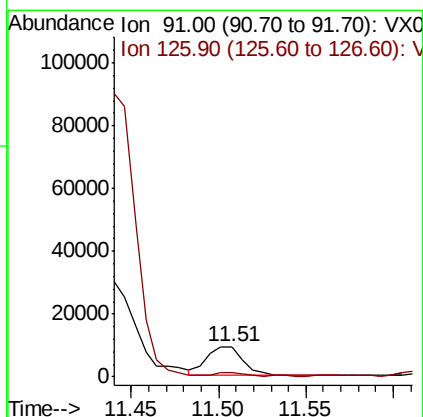
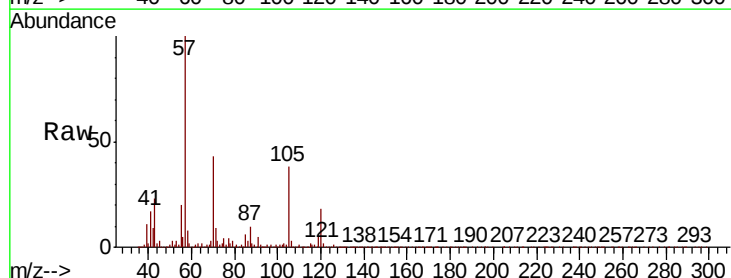
Acq: 03 Dec 2019 19:18

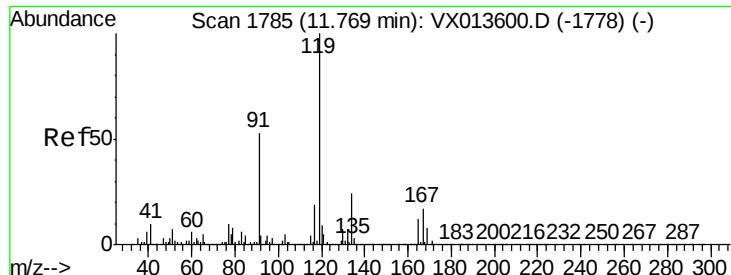
Tgt Ion: 91 Resp: 13631

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.0#





#83

tert-Butylbenzene

Concen: 1.664 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.04 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

30734

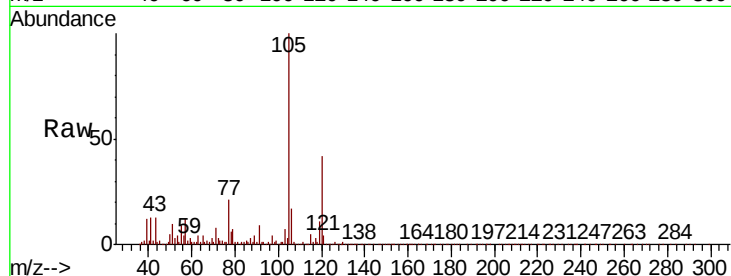
Tot Ion:119 Resp: 45406

Ion Ratio Lower Upper

119 100

91 72.0 27.2 81.6

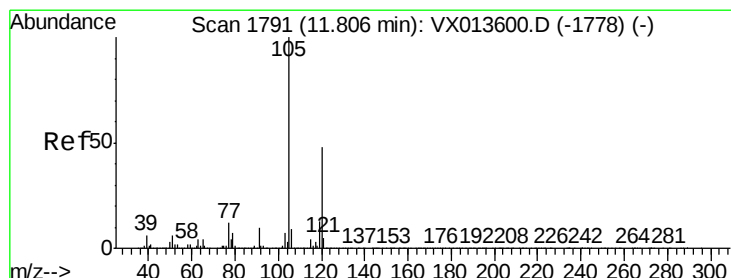
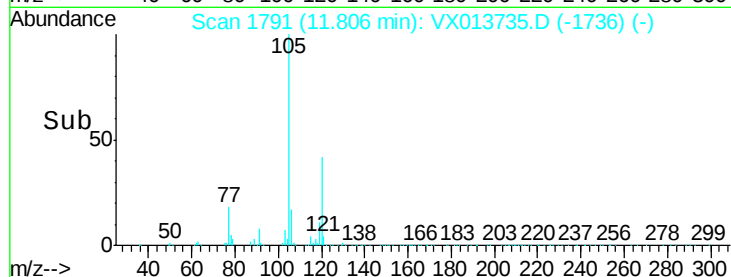
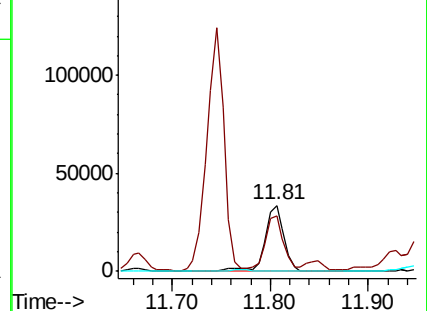
134 0.7 11.7 35.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 13.769 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX013735.D

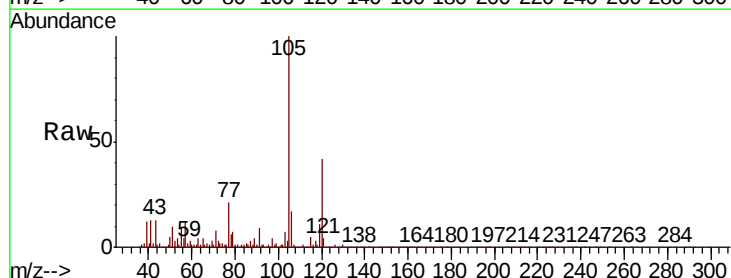
Acq: 03 Dec 2019 19:18

Tgt Ion:105 Resp: 375167

Ion Ratio Lower Upper

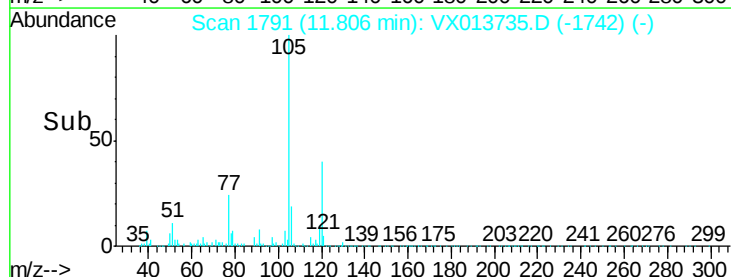
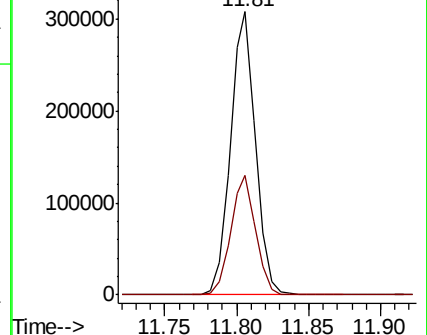
105 100

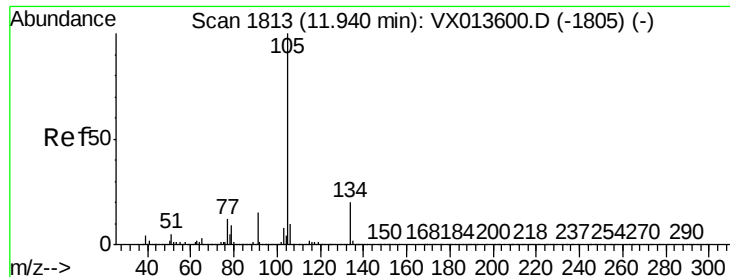
120 41.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

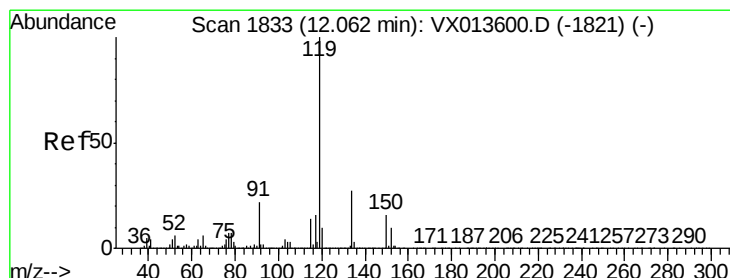
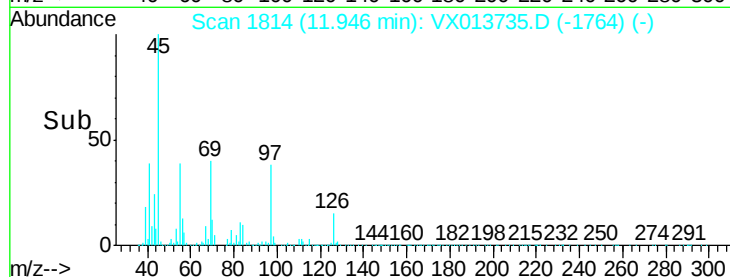
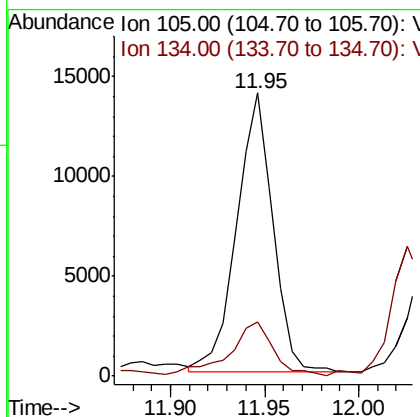
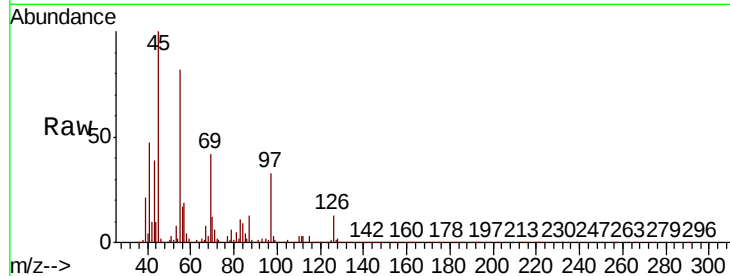




#85
 sec-Butylbenzene
 Concen: 0.598 ug/l
 RT: 11.95 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

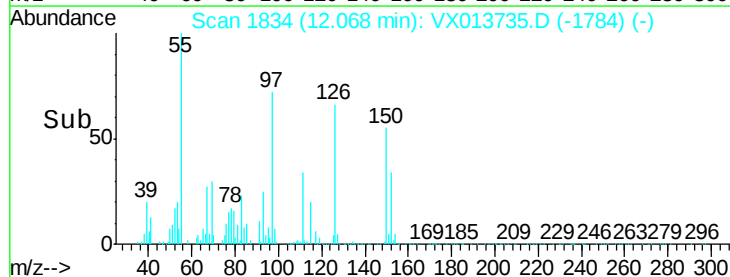
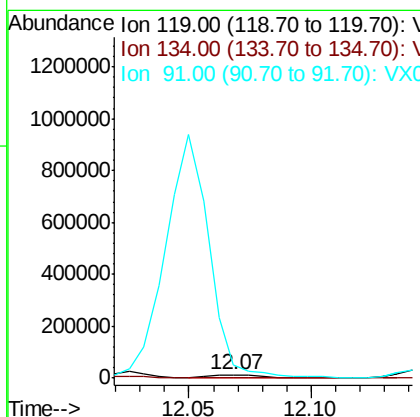
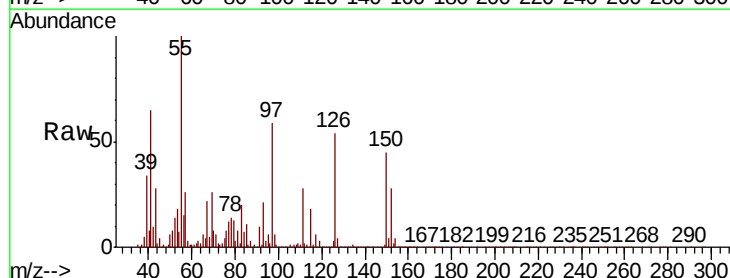
Instrument :
 MSVOA_X
 ClientSampleId :
 30734

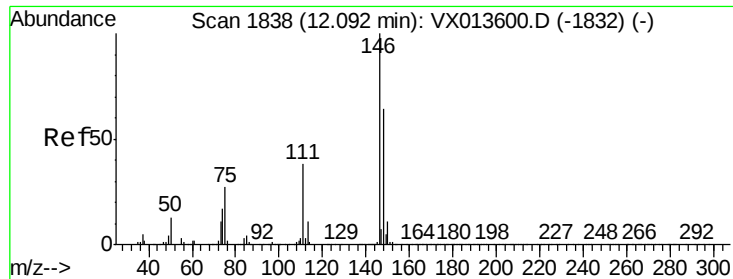
Tot Ion:105 Resp: 18648
 Ion Ratio Lower Upper
 105 100
 134 24.1 10.4 31.2



#86
 p-Isopropyltoluene
 Concen: 0.598 ug/l
 RT: 12.07 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion:119 Resp: 17326
 Ion Ratio Lower Upper
 119 100
 134 29.8 13.3 39.9
 91 6762.8 11.3 33.8#

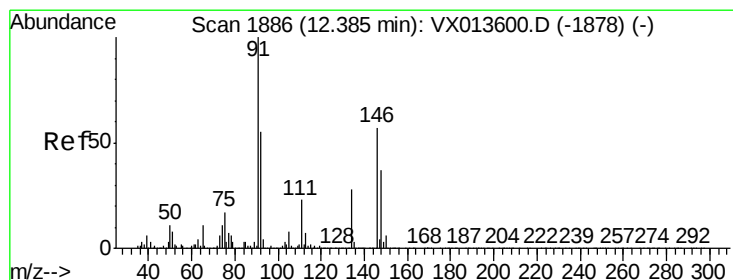
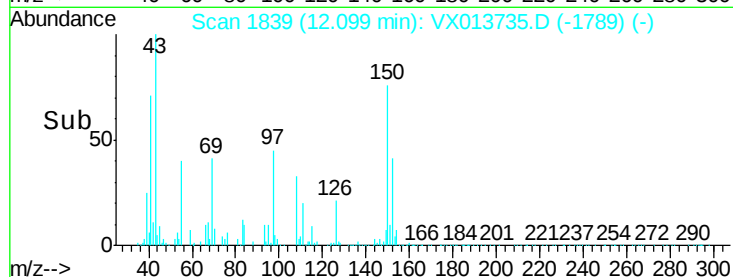
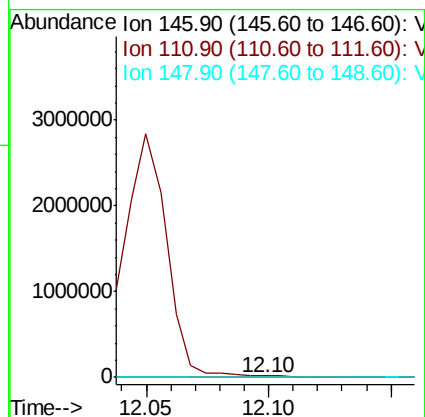
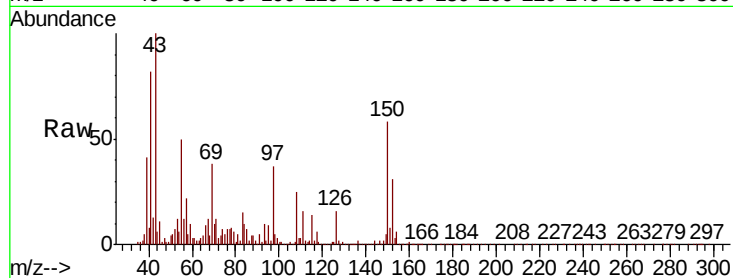




#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 12.10 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

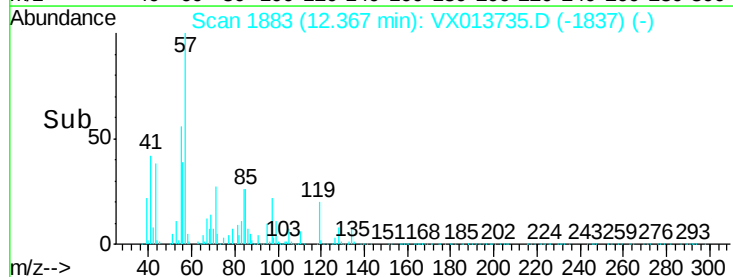
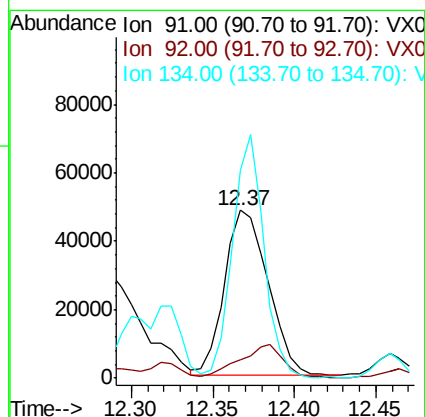
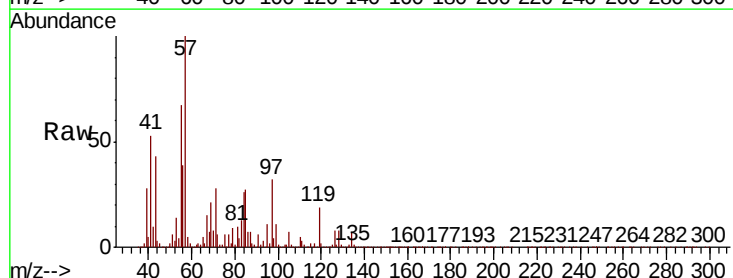
Instrument :
 MSVOA_X
 ClientSampleId :
 30734

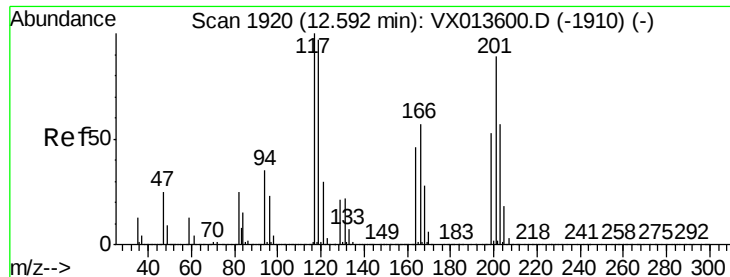
Tot Ion:146 Resp: 3253
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.9#
 148 122.1 31.9 95.5#



#89
 n-Butylbenzene
 Concen: 3.643 ug/l
 RT: 12.37 min Scan# 1883
 Delta R.T. -0.02 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion: 91 Resp: 90086
 Ion Ratio Lower Upper
 91 100
 92 19.2 27.4 82.2#
 134 104.9 13.5 40.4#





#90

Hexachloroethane

Concen: 8.536 ug/l

RT: 12.59 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

Instrument :

MSVOA_X

ClientSampleId :

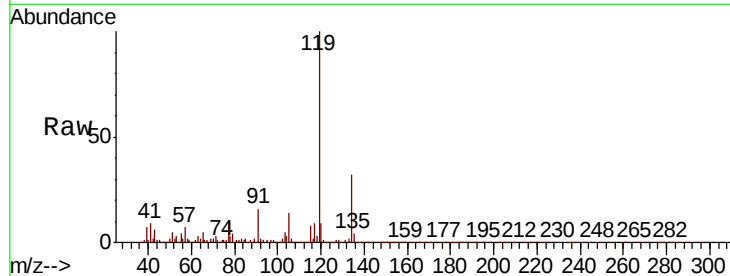
30734

Tot Ion:117 Resp: 44731

Ion Ratio Lower Upper

117 100

201 0.6 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

30000

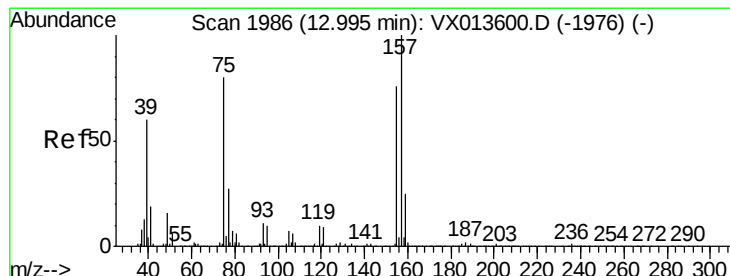
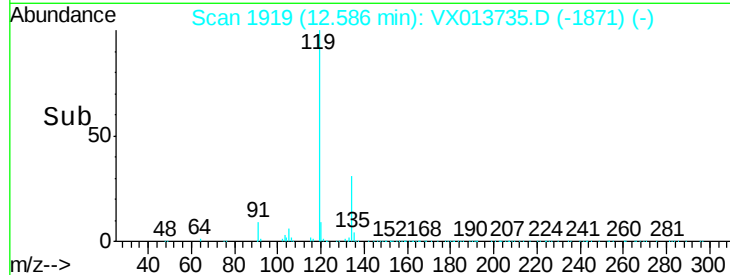
20000

10000

0

Time-->

12.55 12.60



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.334 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX013735.D

Acq: 03 Dec 2019 19:18

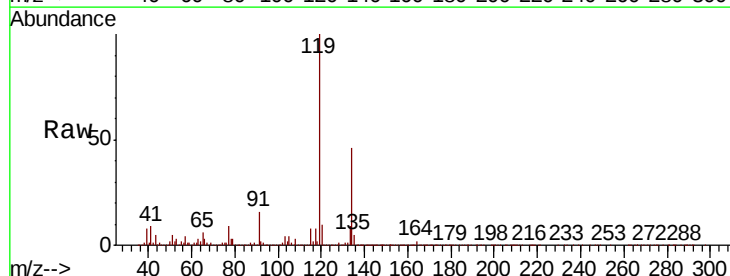
Tgt Ion: 75 Resp: 8247

Ion Ratio Lower Upper

75 100

155 6.9 47.6 142.8#

157 9.4 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

10000

8000

6000

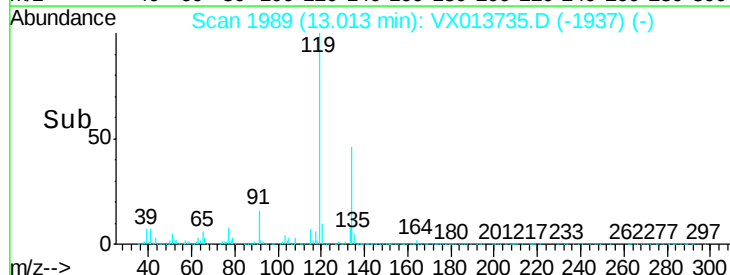
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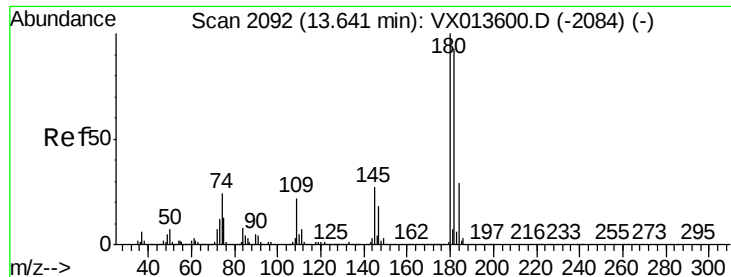
2000

0

Time-->

12.98 13.00 13.02 13.04

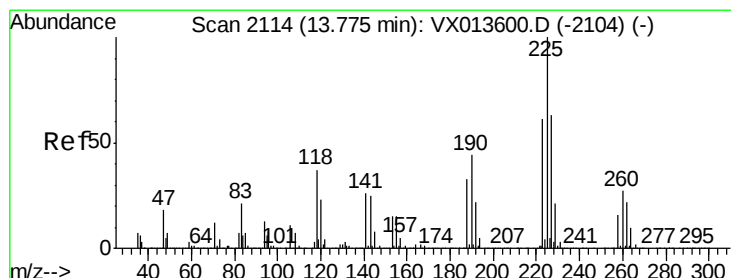
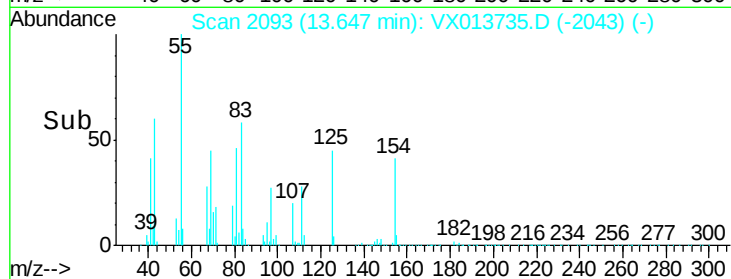
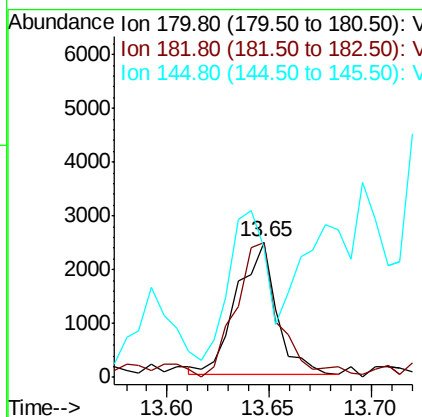
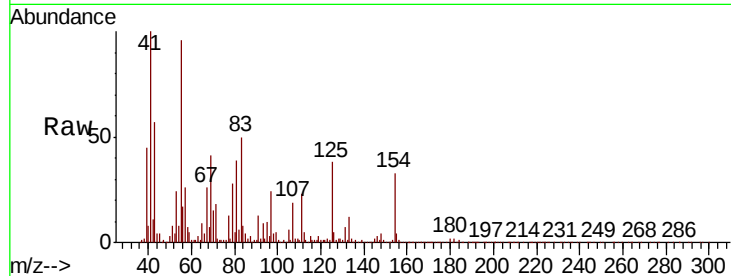




#93
 1,2,4-Trichlorobenzene
 Concen: 0.316 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

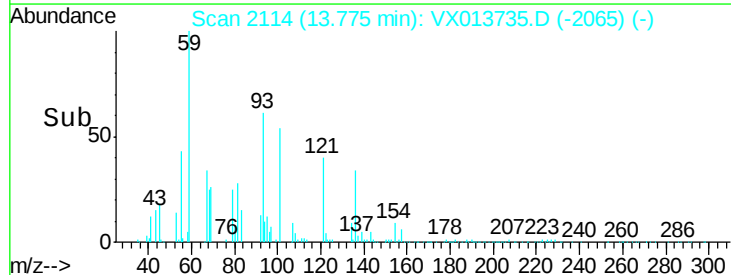
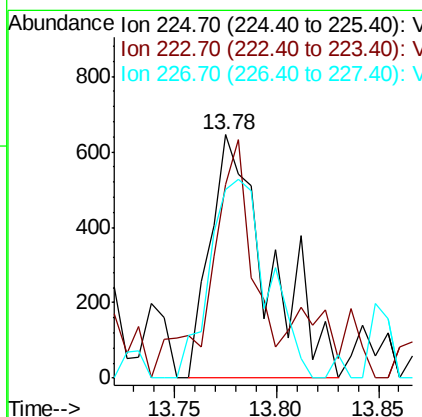
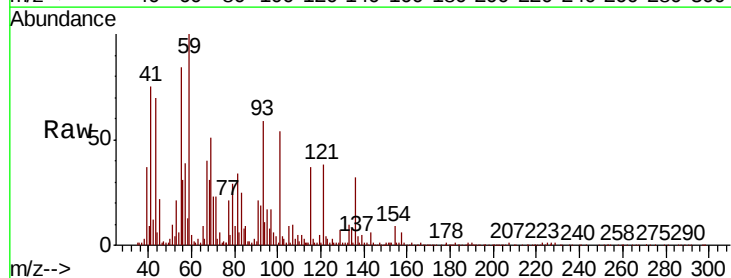
Instrument :
 MSVOA_X
 ClientSampleId :
 30734

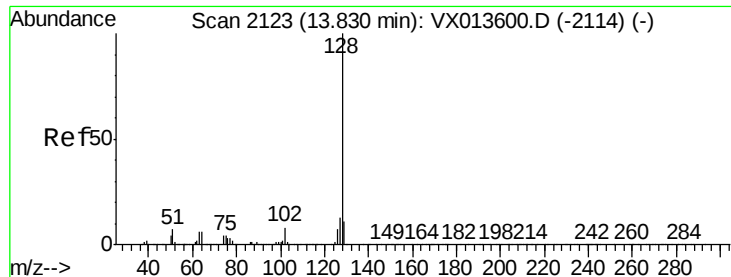
Tot Ion:180 Resp: 3359
 Ion Ratio Lower Upper
 180 100
 182 111.1 47.2 141.6
 145 105.4 13.8 41.4#



#94
 Hexachlorobutadiene
 Concen: 0.254 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX013735.D
 Acq: 03 Dec 2019 19:18

Tgt Ion:225 Resp: 1294
 Ion Ratio Lower Upper
 225 100
 223 68.8 31.9 95.5
 227 80.5 32.1 96.3

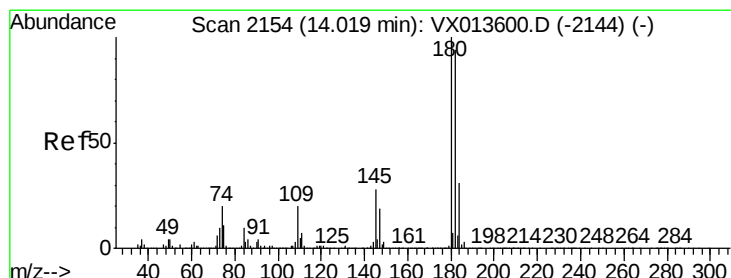
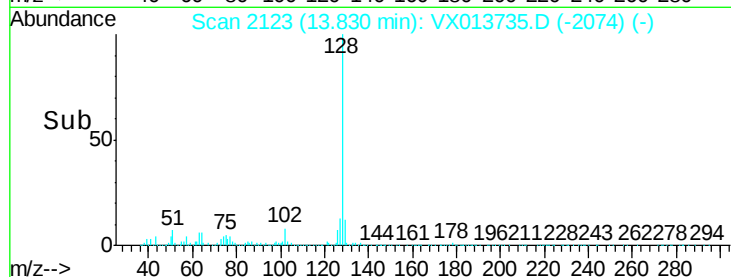
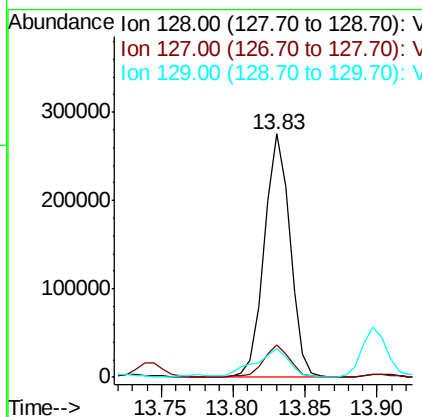
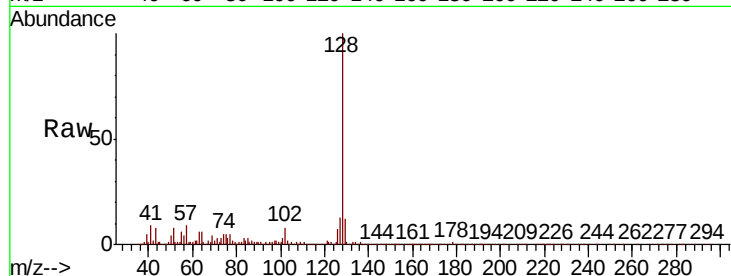




#95
Naphthalene
Concen: 10.711 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Instrument :
MSVOA_X
ClientSampleId :
30734

Tot Ion:128 Resp: 338813
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 15.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.306 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.01 min
Lab File: VX013735.D
Acq: 03 Dec 2019 19:18

Tgt Ion:180 Resp: 3222
Ion Ratio Lower Upper
180 100
182 253.9 47.6 142.8#
145 102.6 15.0 45.0#

