

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017044.D
 Acq On : 30 Jun 2020 14:53
 Operator : JC/SP
 Sample : L3146-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Quant Time: Jul 01 08:05:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	408095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	153178	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	5.47	113	128516	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	8.70	98	507269	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	11.12	95	214776	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.39	62	1350	0.509	ug/l #	78
6) Chloroethane	1.72	64	492	0.314	ug/l #	60
8) Diethyl Ether	2.17	74	9764	7.711	ug/l	97
11) Tert butyl alcohol	3.01	59	2887277	5030.030	ug/l	100
13) Acrolein	2.28	56	71	0.207	ug/l #	15
14) Allyl chloride	2.68	41	35136	7.873	ug/l #	45
15) Acrylonitrile	3.01	53	23960	17.364	ug/l #	20
16) Acetone	2.42	43	8028	7.132	ug/l	96
17) Carbon Disulfide	2.55	76	2766	0.433	ug/l #	86
18) Methyl Acetate	3.01	43	330557	112.496	ug/l #	51
19) Methyl tert-butyl Ether	3.17	73	23746	2.930	ug/l	94
20) Methylene Chloride	2.83	84	617	Below Cal	#	86
24) 1,1-Dichloroethane	3.68	63	1193	0.254	ug/l #	82
25) 2-Butanone	4.66	43	108978	58.105	ug/l #	71
26) 2,2-Dichloropropane	4.66	77	162910	39.041	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	2493	0.821	ug/l #	20
28) Bromochloromethane	5.09	49	2648	1.158	ug/l #	10
29) Tetrahydrofuran	5.09	42	1123102	906.306	ug/l	100
37) Ethyl Acetate	4.75	43	7386	1.887	ug/l #	68
38) Carbon Tetrachloride	5.63	117	23677	5.573	ug/l #	17
40) Benzene	6.12	78	37716	3.328	ug/l	95
41) Methacrylonitrile	5.09	41	615123	279.281	ug/l #	44
42) 1,2-Dichloroethane	6.17	62	2891	0.706	ug/l	92
44) Trichloroethene	7.19	130	604	Below Cal		50
45) 1,2-Dichloropropane	7.48	63	763	0.262	ug/l #	86
49) 1,4-Dioxane	7.72	88	5679	81.139	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	42642	11.001	ug/l #	76
52) Toluene	8.76	92	40768	5.762	ug/l	99
59) 2-Hexanone	9.28	43	11071	3.911	ug/l	72
65) Chlorobenzene	10.12	112	7072	0.813	ug/l #	83
67) Ethyl Benzene	10.24	91	5269	0.363	ug/l	96
68) m/p-Xylenes	10.34	106	41355	7.416	ug/l	100
69) o-Xylene	10.68	106	27657	5.214	ug/l	99
70) Styrene	10.69	104	3526	0.390	ug/l #	1

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

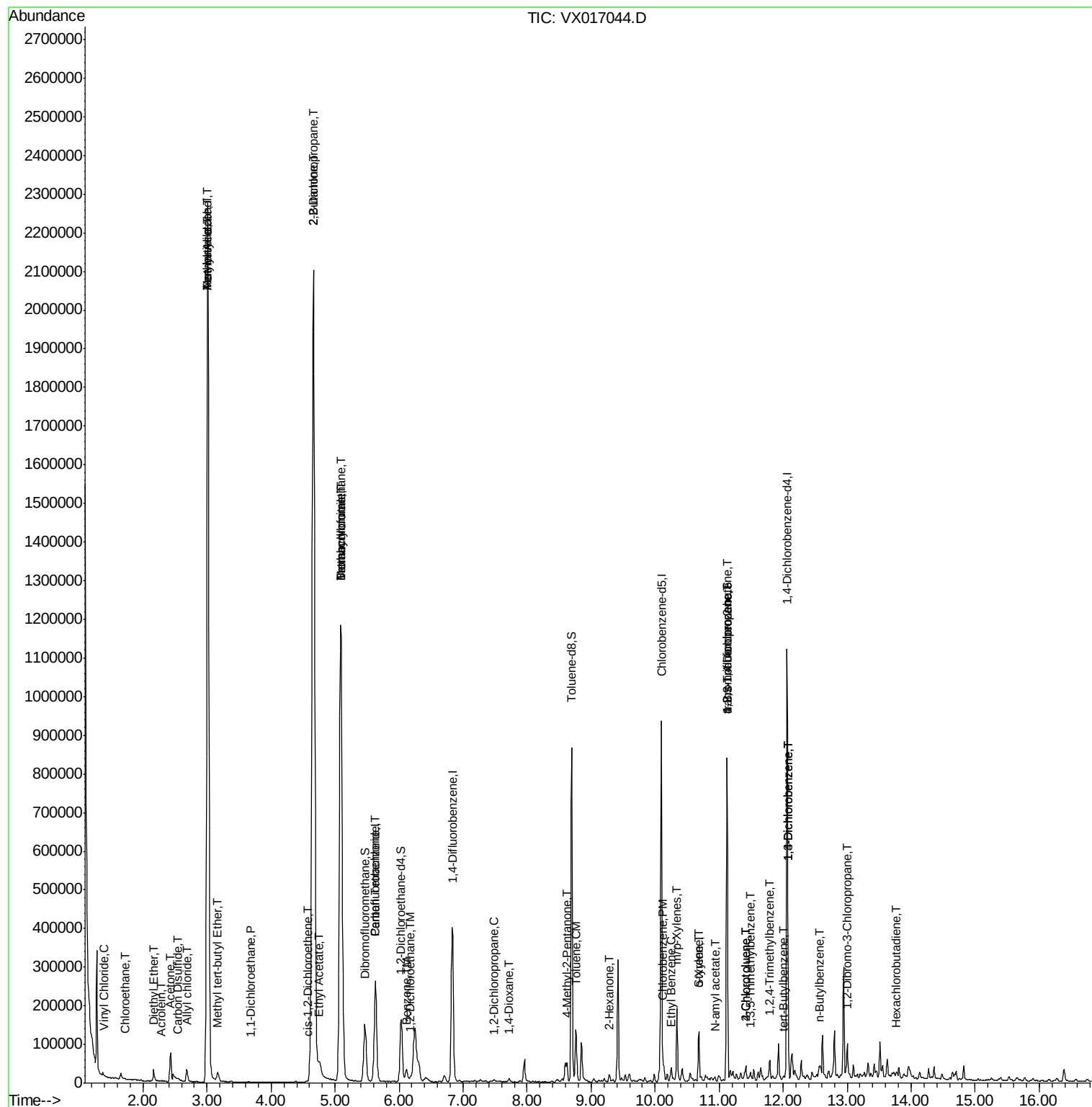
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) N-amyl acetate	10.93	43	5783	0.929	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	104398	23.838	ug/l #	37
79) 2-Chlorotoluene	11.42	91	2906	0.291	ug/l	77
80) 1,3,5-Trimethylbenzene	11.49	105	8639	0.714	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.12	75	104398	61.732	ug/l #	14
82) 4-Chlorotoluene	11.42	91	2906	0.243	ug/l	84
83) tert-Butylbenzene	12.01	119	2637	0.222	ug/l	81
84) 1,2,4-Trimethylbenzene	11.79	105	21211	1.728	ug/l	100
87) 1,3-Dichlorobenzene	12.08	146	20311	2.789	ug/l	89
88) 1,4-Dichlorobenzene	12.08	146	20311	2.777	ug/l	87
89) n-Butylbenzene	12.56	91	2627	0.226	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	12.99	75	476	0.435	ug/l #	1
94) Hexachlorobutadiene	13.77	225	72	0.884	ug/l #	17

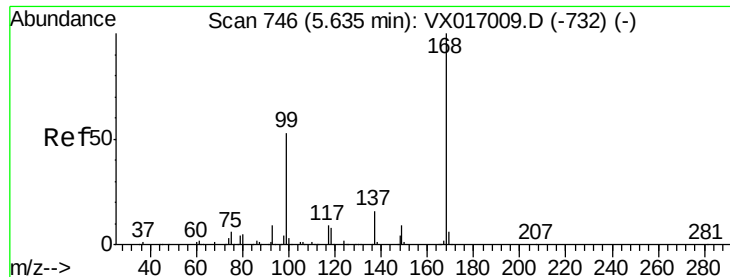
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

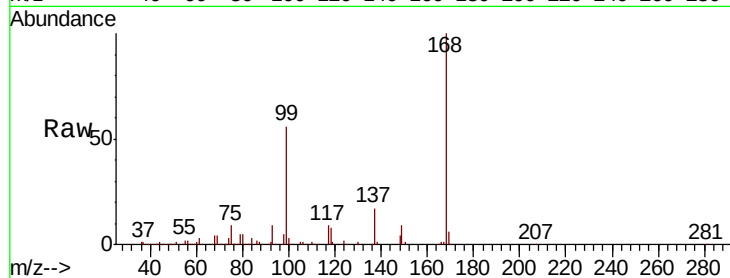
200624026-02-VOA

Tot Ion:168 Resp: 244070

Ion Ratio Lower Upper

168 100

99 55.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

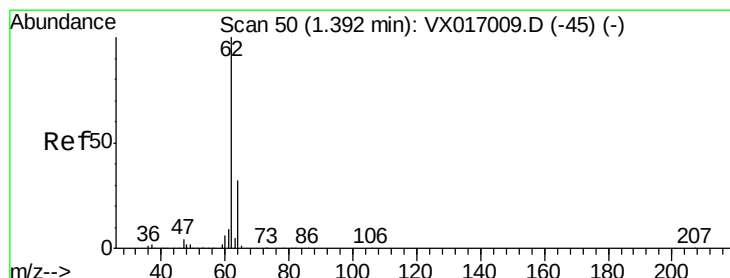
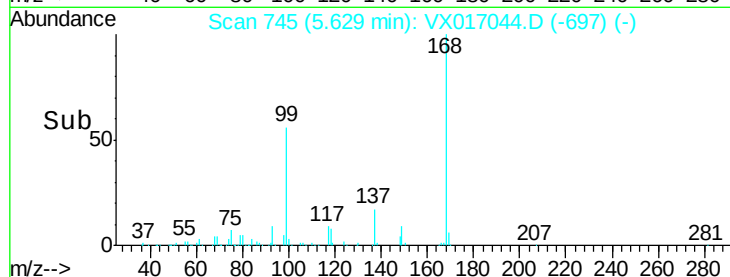
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.509 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017044.D

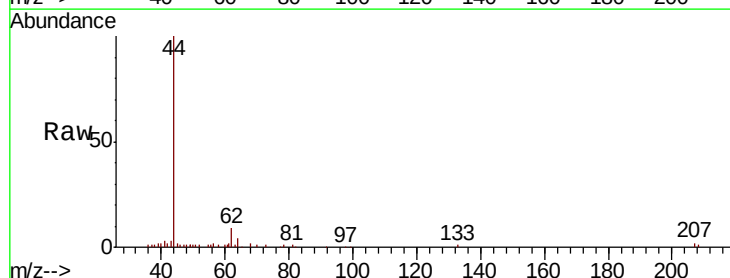
Acq: 30 Jun 2020 14:53

Tgt Ion: 62 Resp: 1350

Ion Ratio Lower Upper

62 100

64 44.5 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

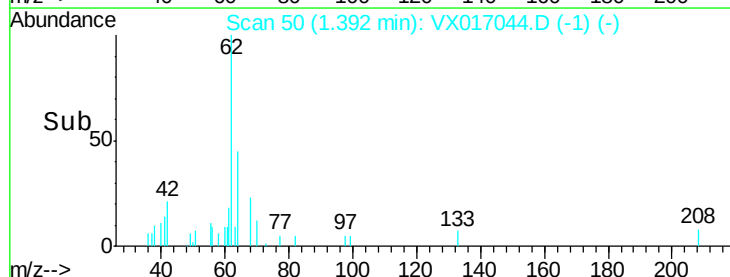
1.39

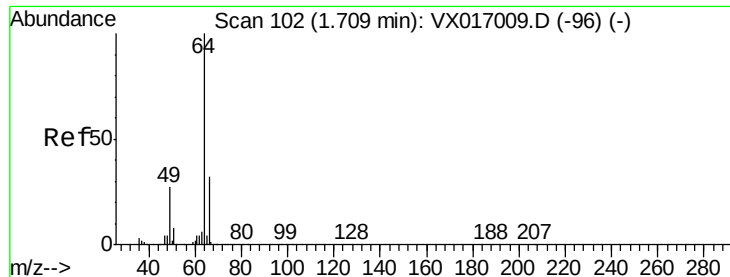
1000

500

0

Time-->





#6

Chloroethane

Concen: 0.314 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

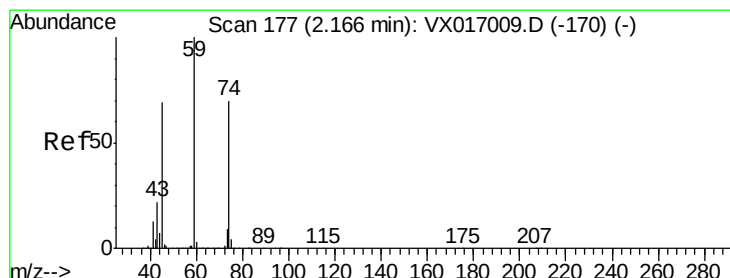
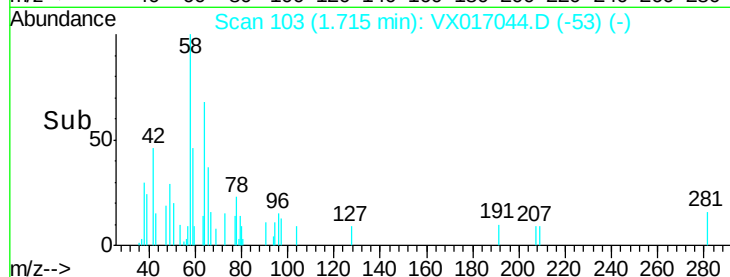
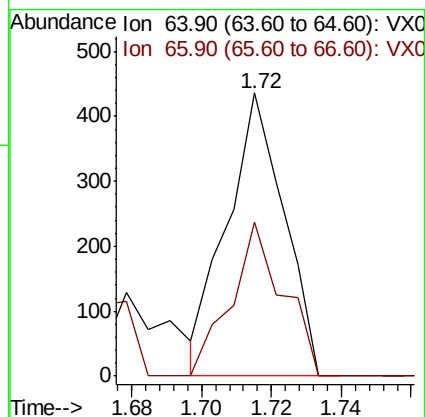
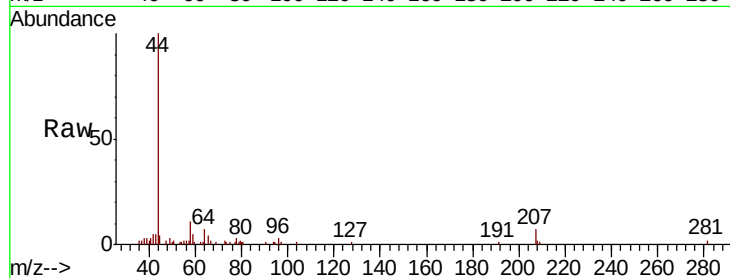
200624026-02-VOA

Tot Ion: 64 Resp: 492

Ion Ratio Lower Upper

64 100

66 54.4 25.5 38.3#



#8

Diethyl Ether

Concen: 7.711 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017044.D

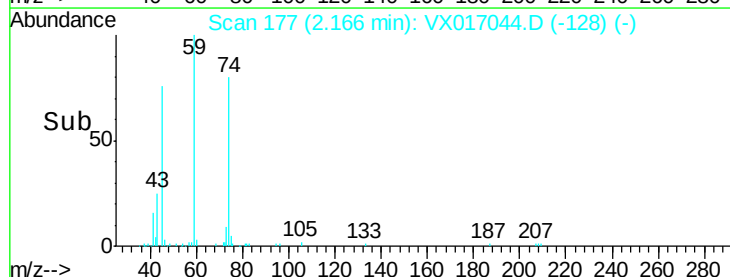
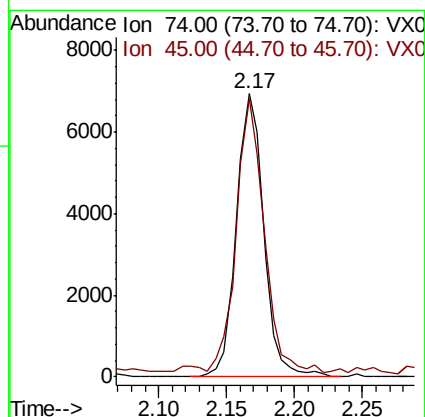
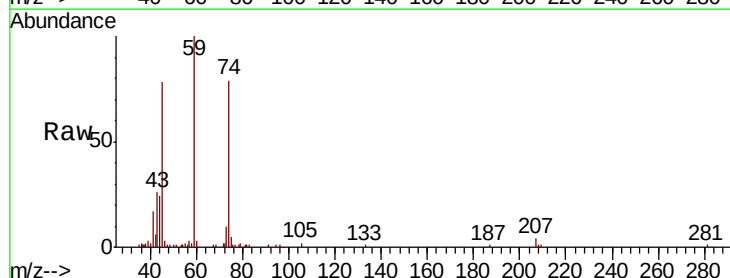
Acq: 30 Jun 2020 14:53

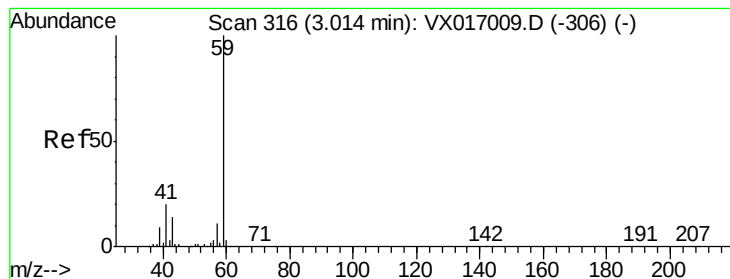
Tgt Ion: 74 Resp: 9764

Ion Ratio Lower Upper

74 100

45 96.1 49.8 149.3





#11

Tert butyl alcohol
 Concen: 5030.030 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

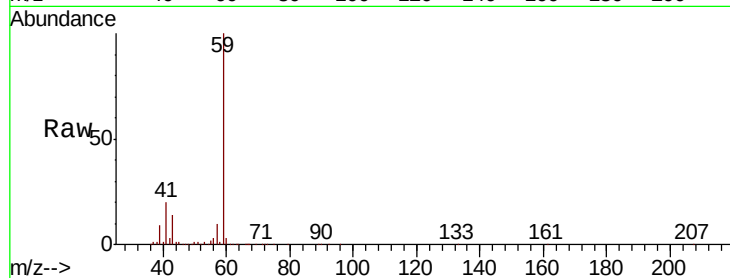
Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion: 59 Resp: 2887277

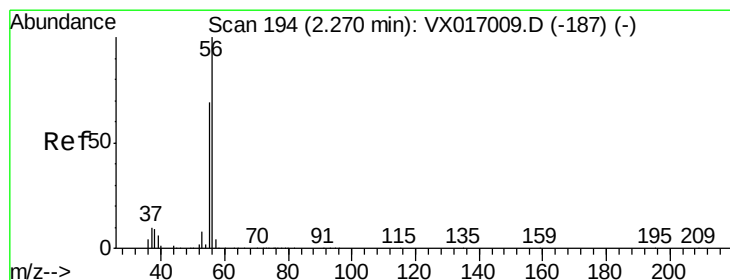
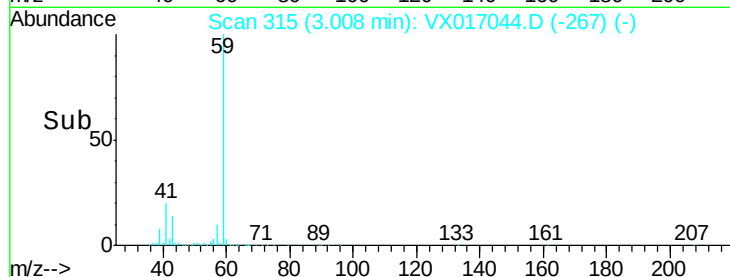
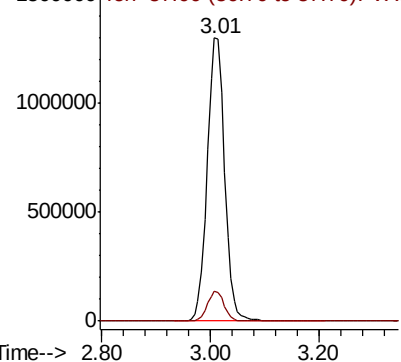
Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



#13

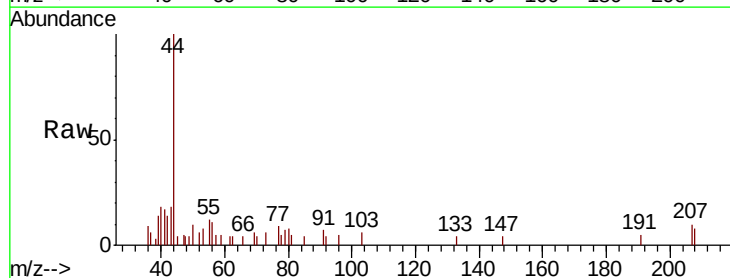
Acrolein
 Concen: 0.207 ug/l
 RT: 2.28 min Scan# 195
 Delta R.T. 0.01 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Tgt Ion: 56 Resp: 71

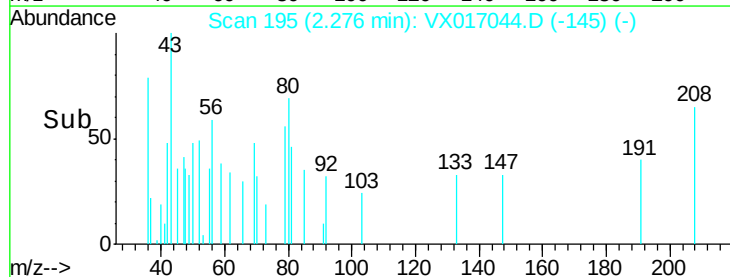
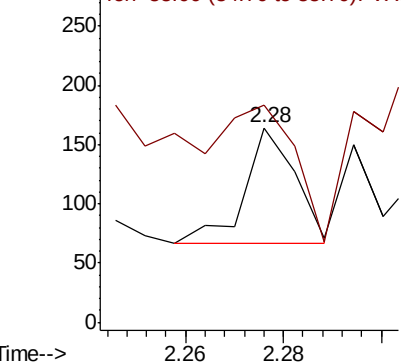
Ion Ratio Lower Upper

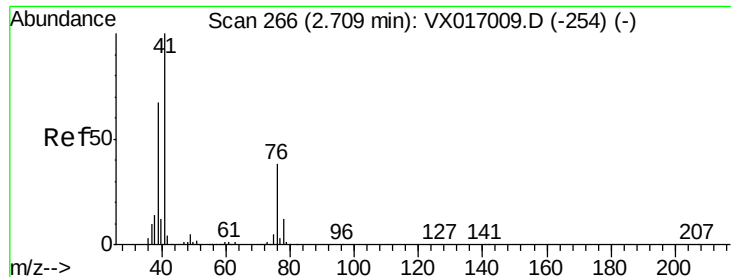
56 100

55 0.0 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#14

Allvl chloride

Concen: 7.873 ug/l

RT: 2.68 min Scan# 261

Delta R.T. -0.03 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

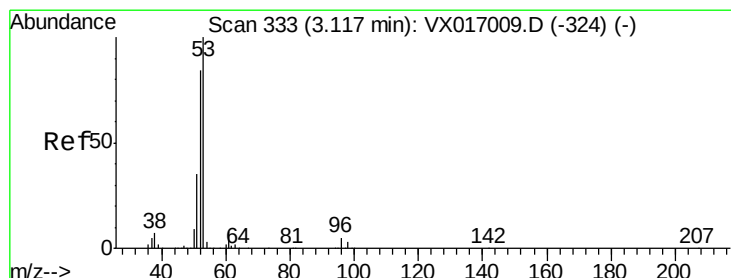
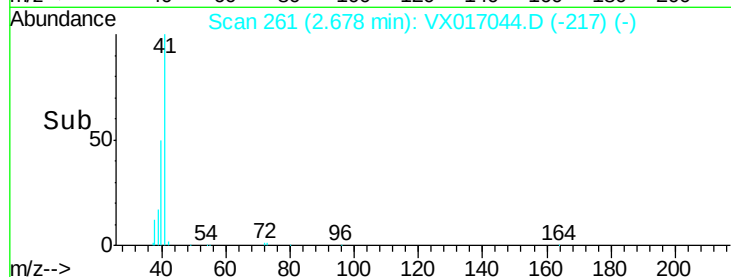
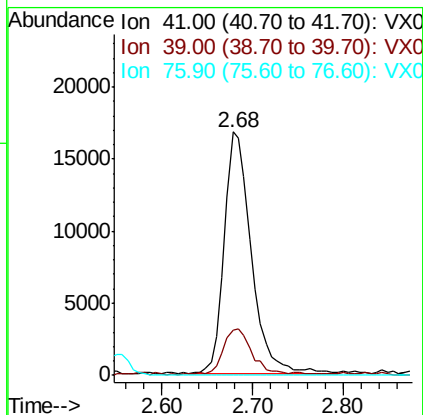
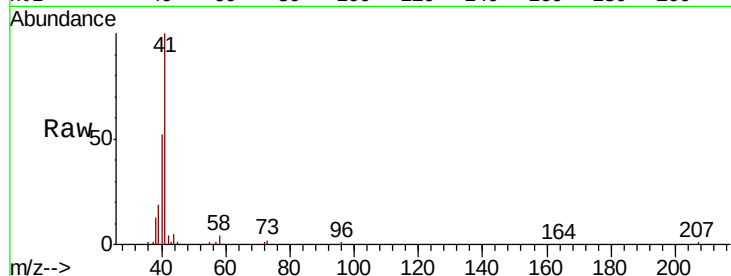
Tot Ion: 41 Resp: 35136

Ion Ratio Lower Upper

41 100

39 20.8 49.4 74.2#

76 0.0 26.8 40.2#



#15

Acrylonitrile

Concen: 17.364 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.11 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

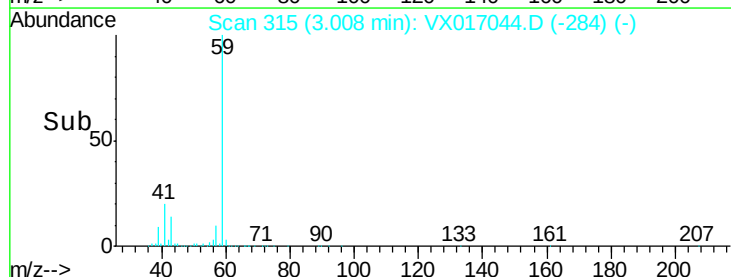
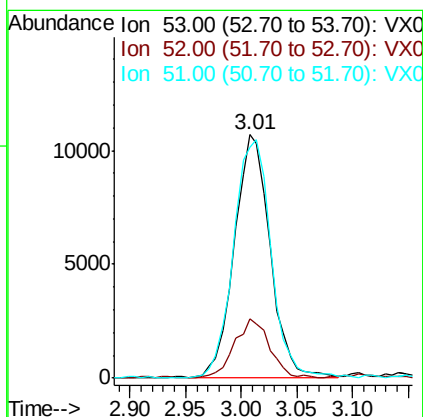
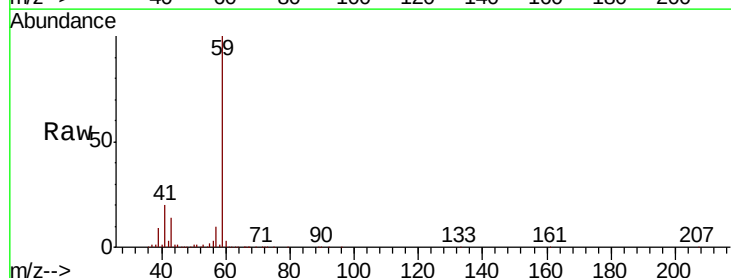
Tgt Ion: 53 Resp: 23960

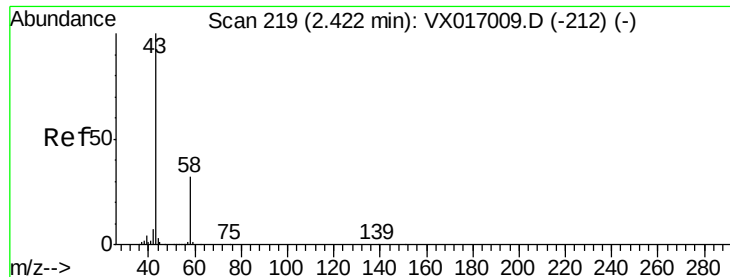
Ion Ratio Lower Upper

53 100

52 23.9 65.6 98.4#

51 102.8 28.3 42.5#





#16

Acetone

Concen: 7.132 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

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ClientSampleId :

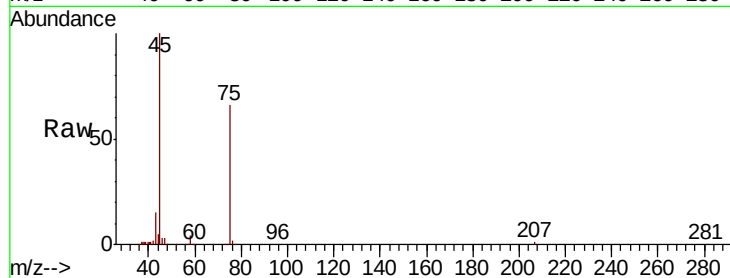
200624026-02-VOA

Tot Ion: 43 Resp: 8028

Ion Ratio Lower Upper

43 100

58 29.9 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

6000

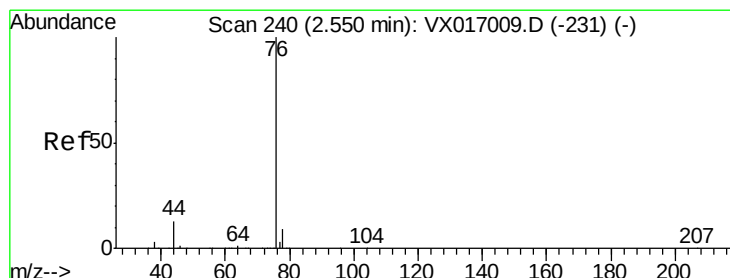
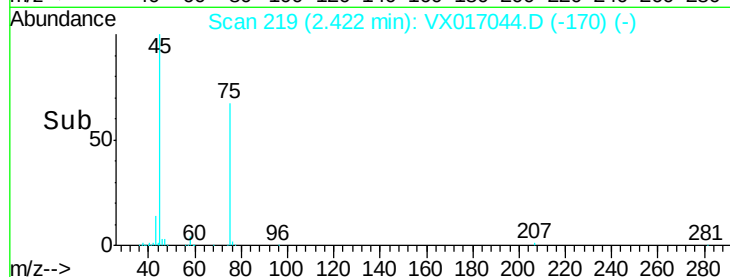
4000

2000

0

2.35 2.40 2.45

Time-->



#17

Carbon Disulfide

Concen: 0.433 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017044.D

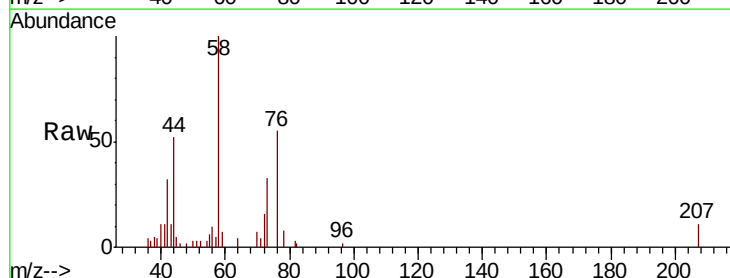
Acq: 30 Jun 2020 14:53

Tgt Ion: 76 Resp: 2766

Ion Ratio Lower Upper

76 100

78 14.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

1500

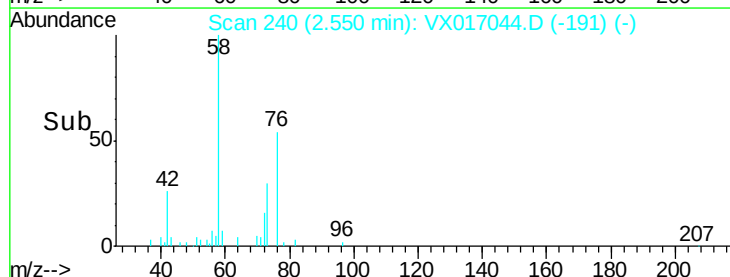
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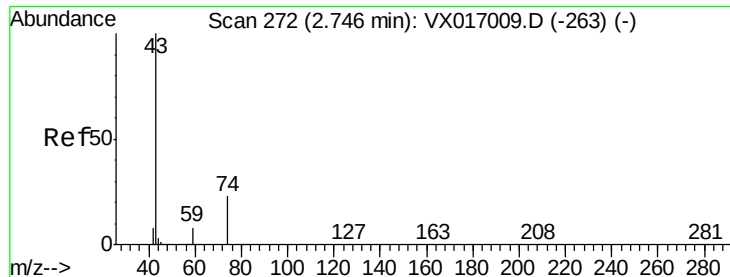
500

0

2.50 2.55 2.60

Time-->





#18

Methyl Acetate

Concen: 112.496 ug/l

RT: 3.01 min Scan# 315

Delta R.T. 0.26 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

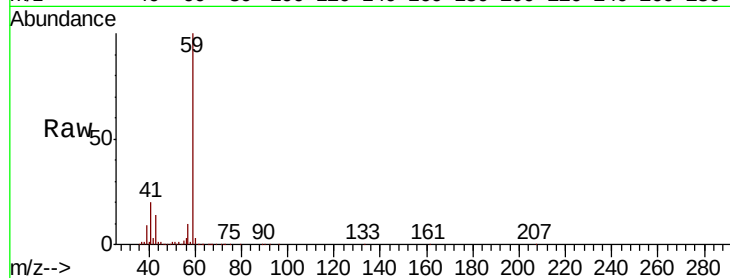
200624026-02-VOA

Tot Ion: 43 Resp: 330557

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

200000

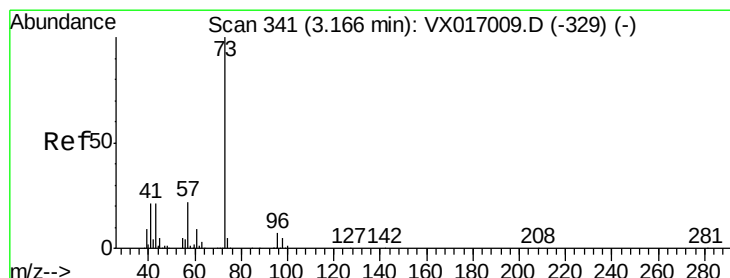
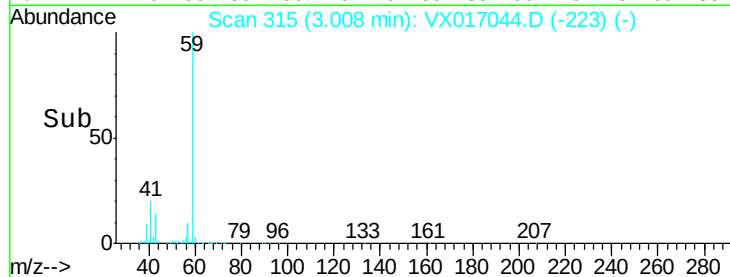
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 2.930 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX017044.D

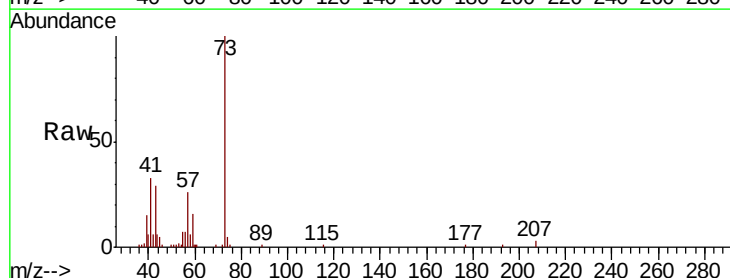
Acq: 30 Jun 2020 14:53

Tgt Ion: 73 Resp: 23746

Ion Ratio Lower Upper

73 100

57 25.1 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

10000

8000

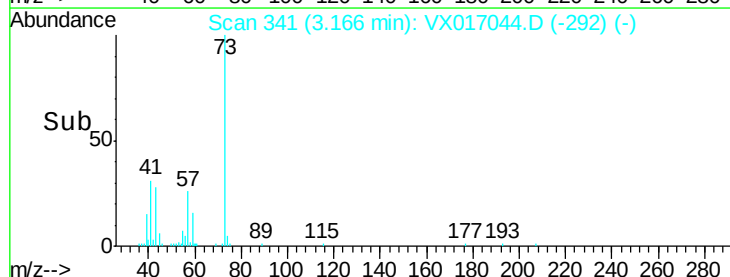
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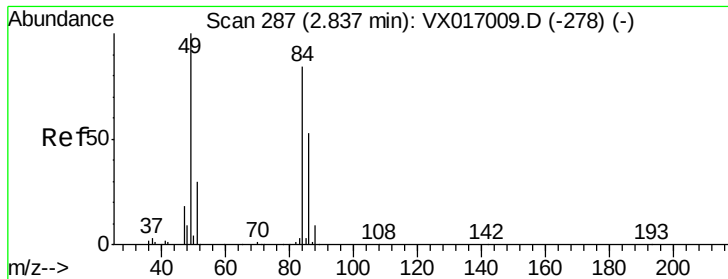
4000

2000

0

Time-->

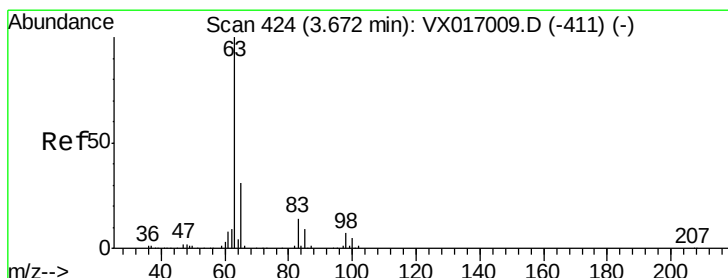
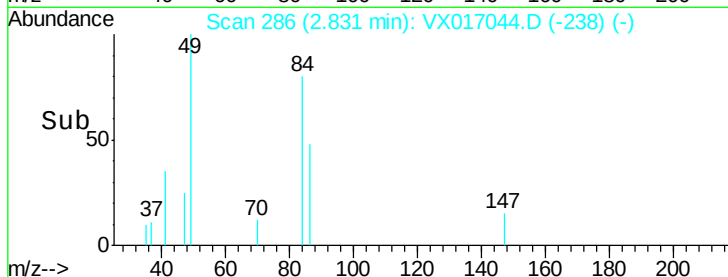
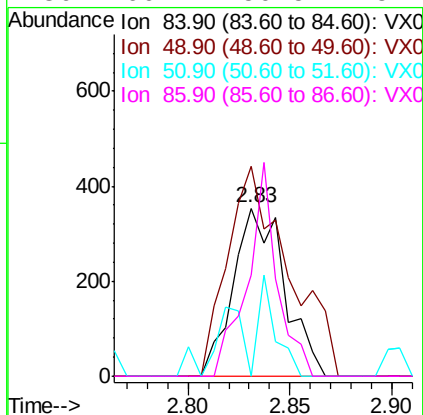
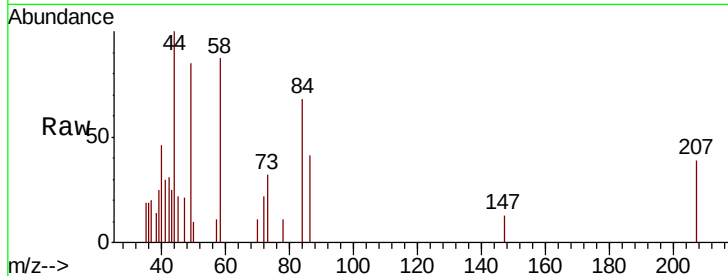




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

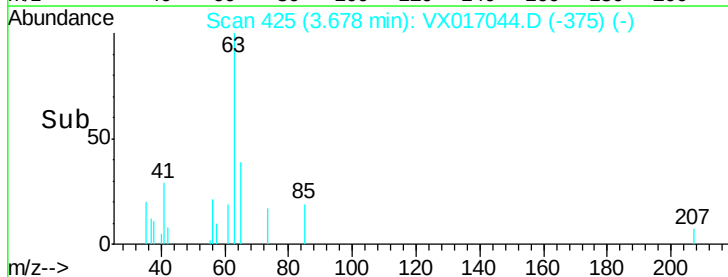
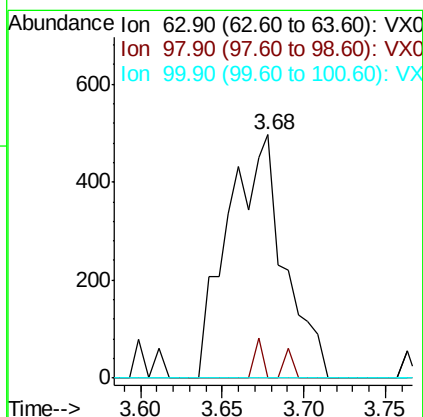
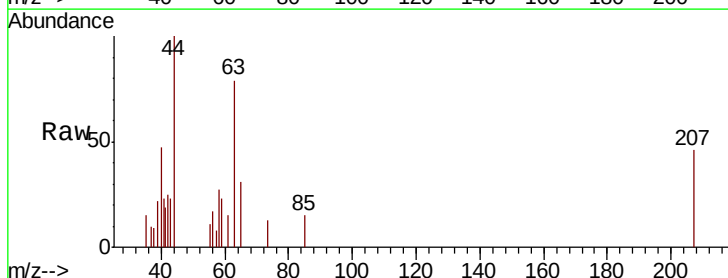
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

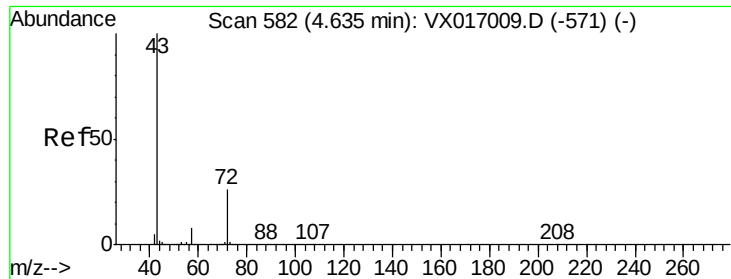
Tot Ion: 84 Resp: 617
Ion Ratio Lower Upper
84 100
49 125.1 94.7 142.1
51 0.0 28.6 42.8#
86 60.2 50.5 75.7



#24
1,1-Dichloroethane
Concen: 0.254 ug/l
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 63 Resp: 1193
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 58.105 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

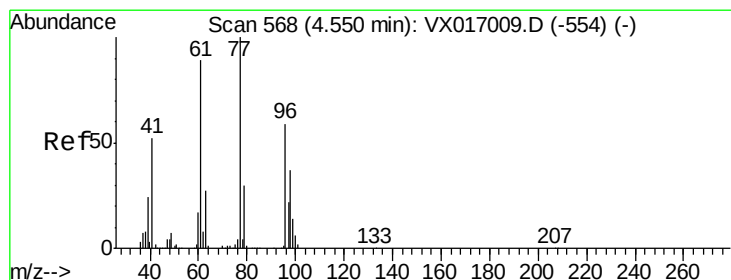
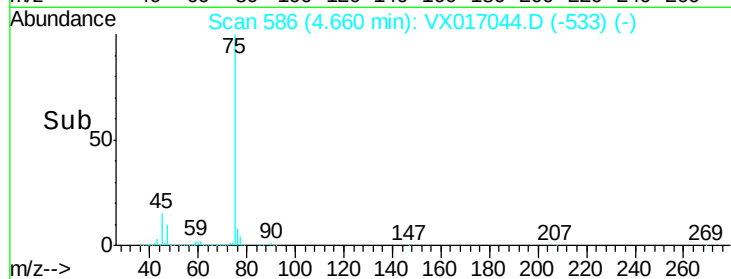
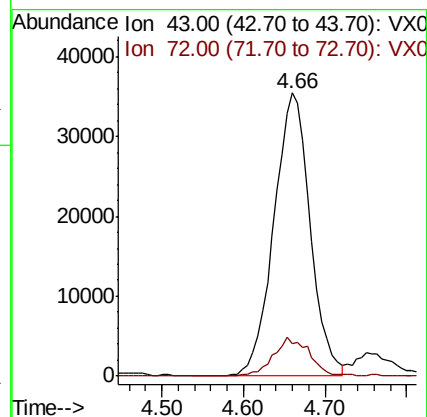
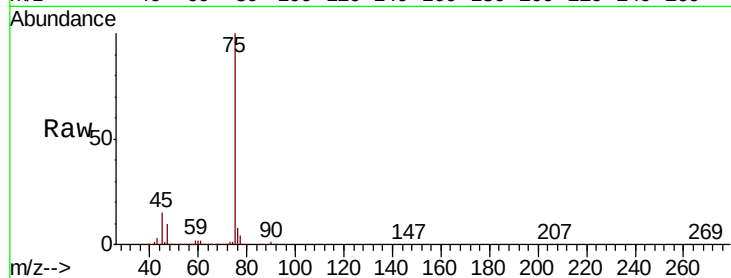
200624026-02-VOA

Tot Ion: 43 Resp: 108978

Ion Ratio Lower Upper

43 100

72 11.3 20.8 31.2#



#26

2,2-Dichloropropane

Concen: 39.041 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.11 min

Lab File: VX017044.D

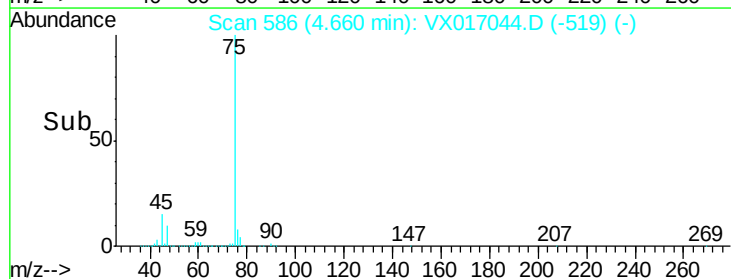
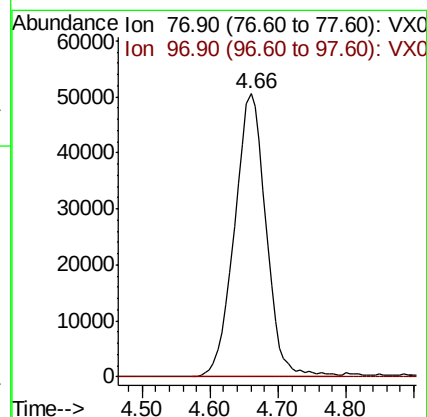
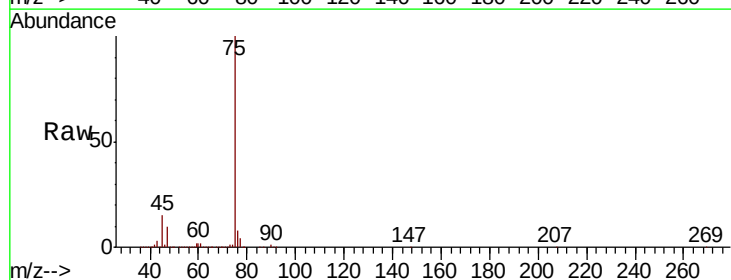
Acq: 30 Jun 2020 14:53

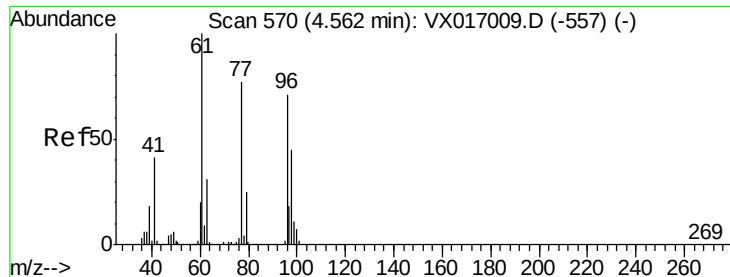
Tgt Ion: 77 Resp: 162910

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



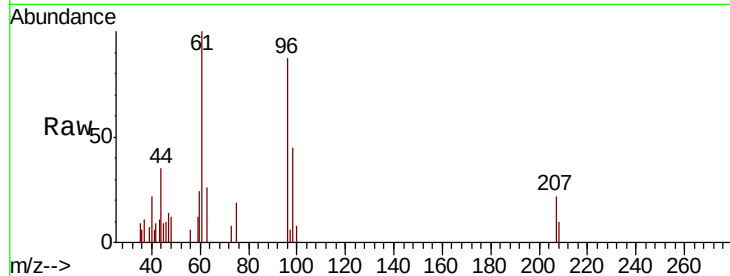


#27

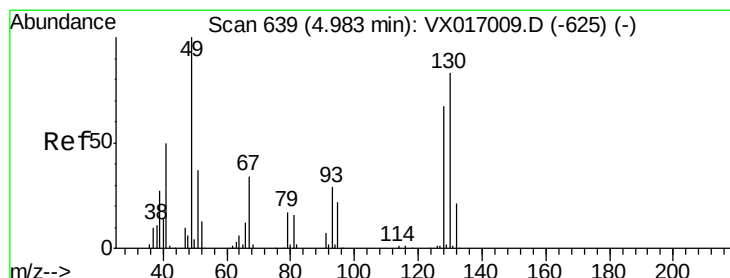
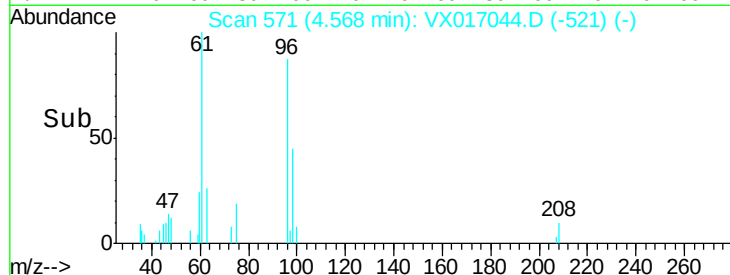
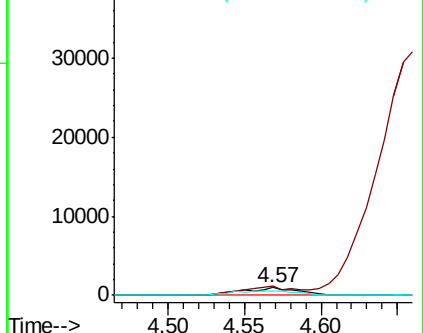
cis-1,2-Dichloroethene
Concen: 0.821 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	96	Resp	2493
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	282.8
98	63.6	0.0	127.6



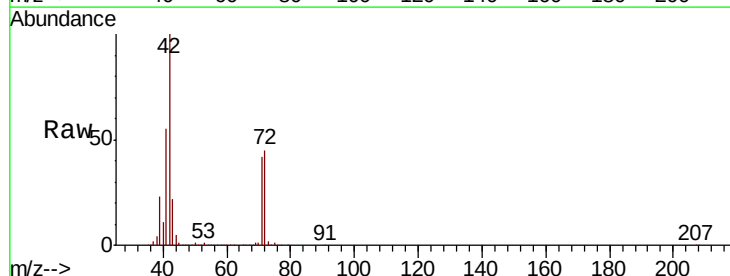
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



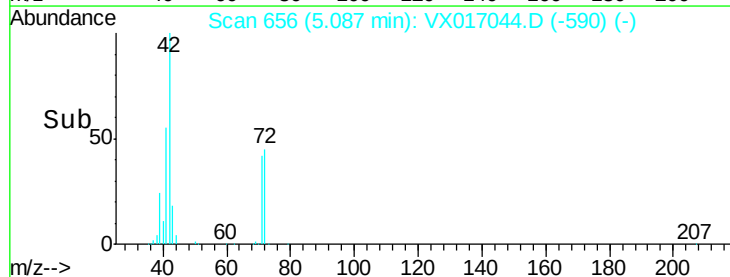
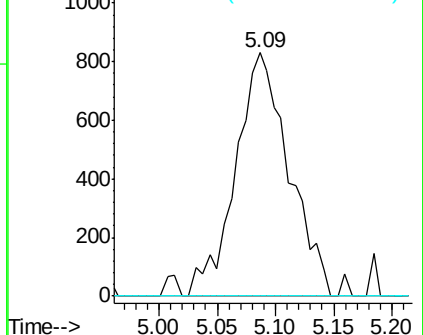
#28

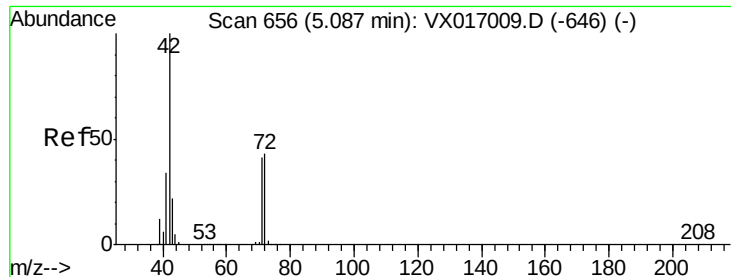
Bromochloromethane
Concen: 1.158 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.10 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion	49	Resp	2648
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	66.6	100.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

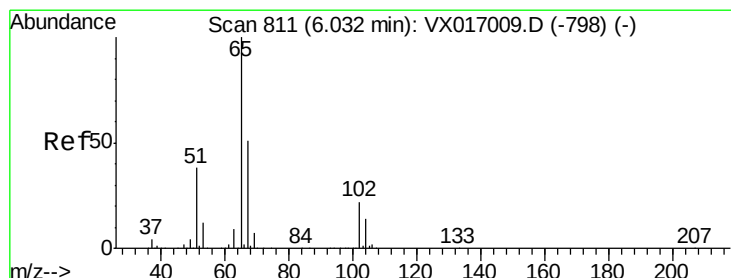
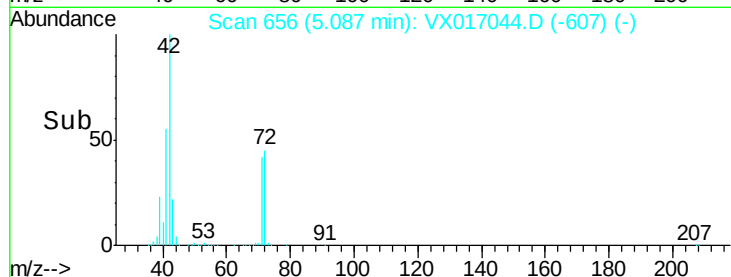
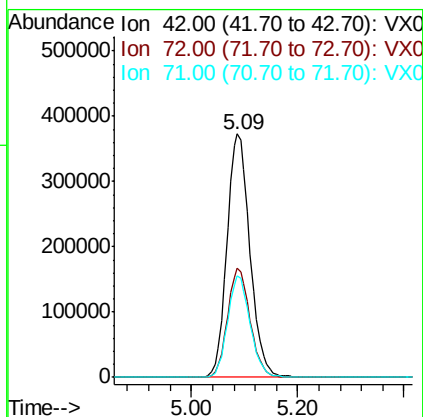
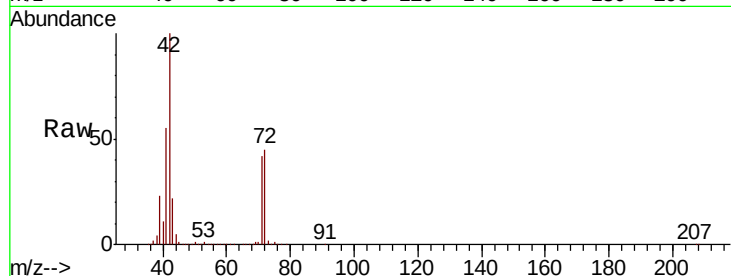




#29
Tetrahydrofuran
Concen: 906.306 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

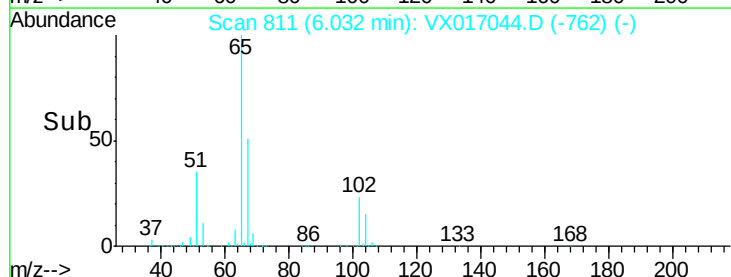
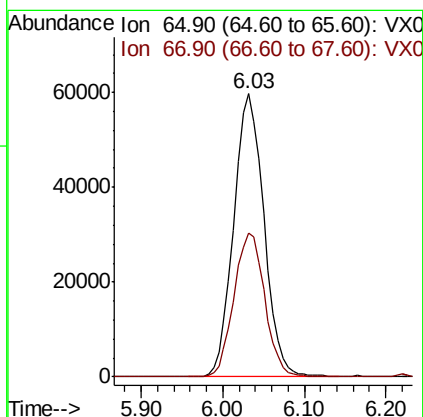
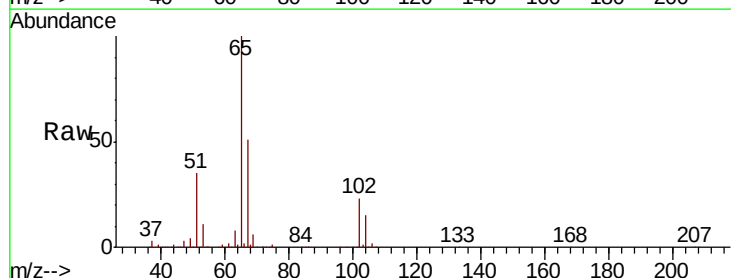
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

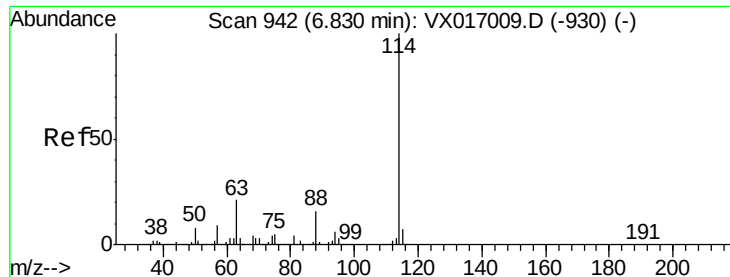
Tot Ion: 42 Resp: 1123102
Ion Ratio Lower Upper
42 100
72 44.0 35.3 52.9
71 41.0 33.1 49.7



#33
1,2-Dichloroethane-d4
Concen: 50.908 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 65 Resp: 153178
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8

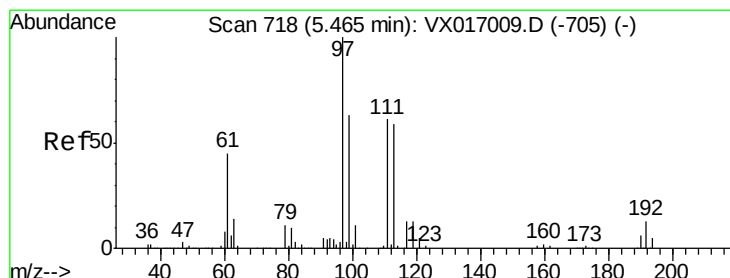
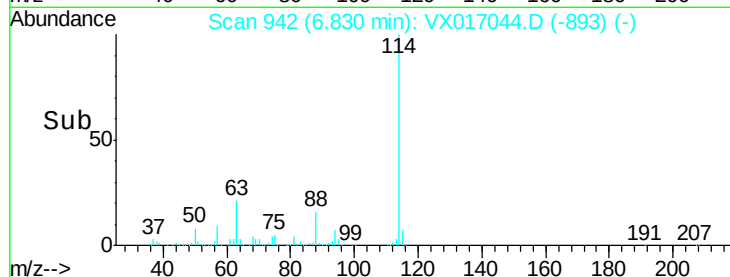
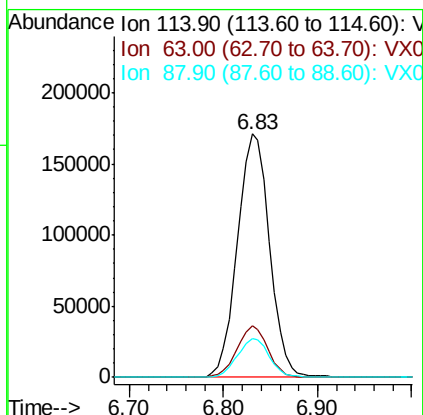
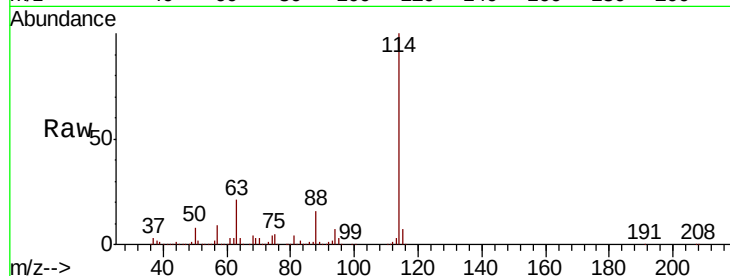




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

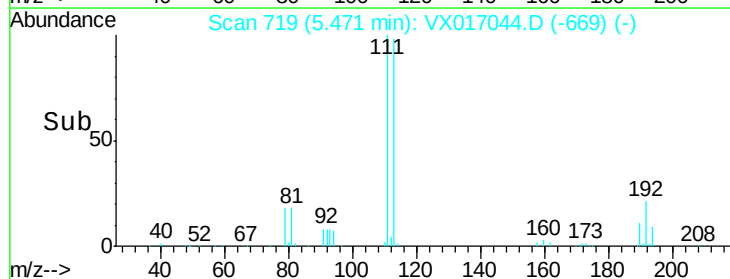
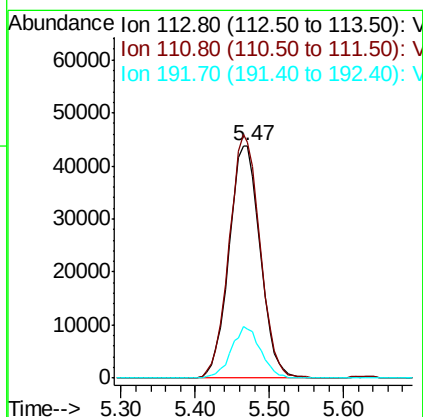
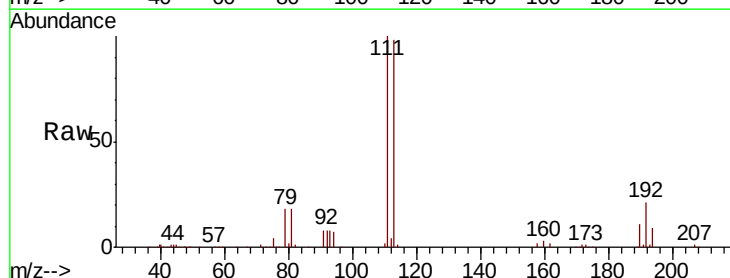
Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

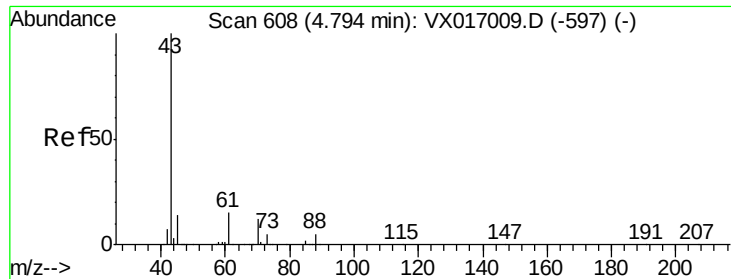
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.4
88	16.0	0.0	32.4



#35
 Dibromofluoromethane
 Concen: 49.784 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	21.0	16.7	25.1





#37

Ethyl Acetate

Concen: 1.887 ug/l

RT: 4.75 min Scan# 601

Delta R.T. -0.04 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

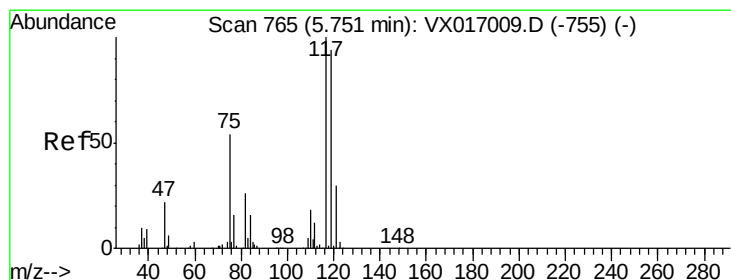
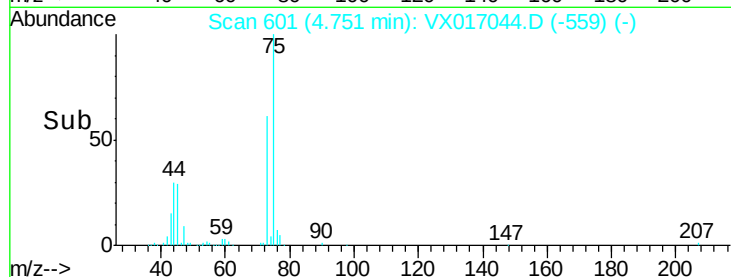
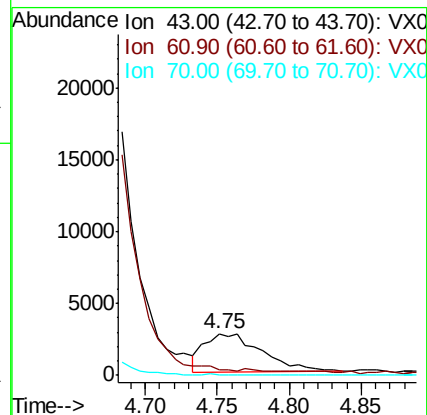
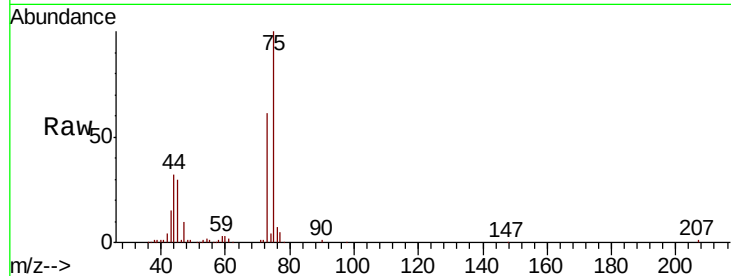
Tot Ion: 43 Resp: 7386

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.573 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

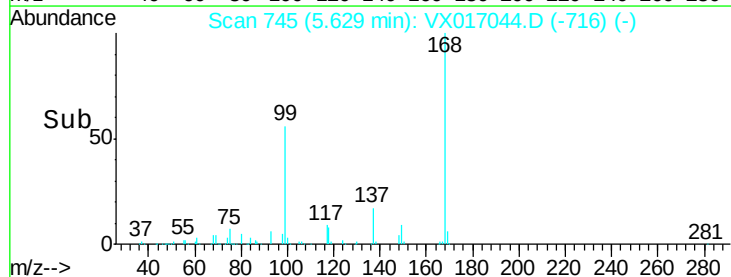
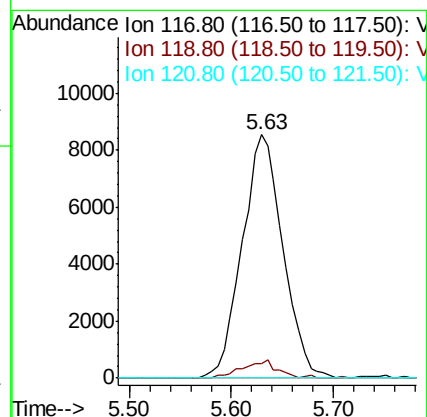
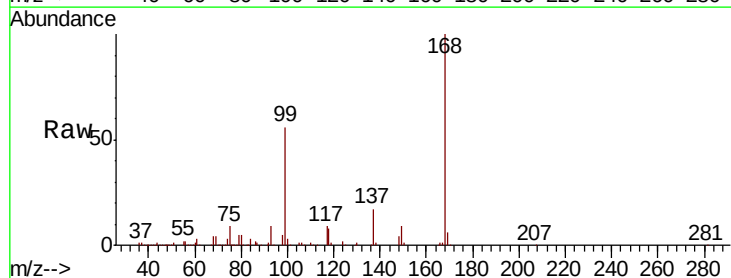
Tgt Ion: 117 Resp: 23677

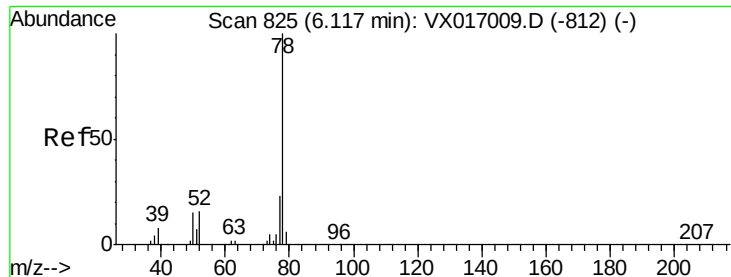
Ion Ratio Lower Upper

117 100

119 5.8 75.4 113.0#

121 0.0 23.8 35.6#





#40

Benzene

Concen: 3.328 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

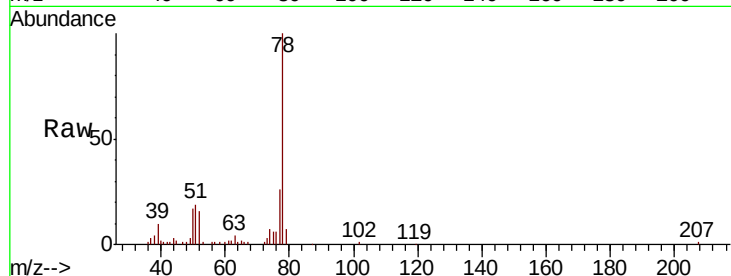
200624026-02-VOA

Tot Ion: 78 Resp: 37716

Ion Ratio Lower Upper

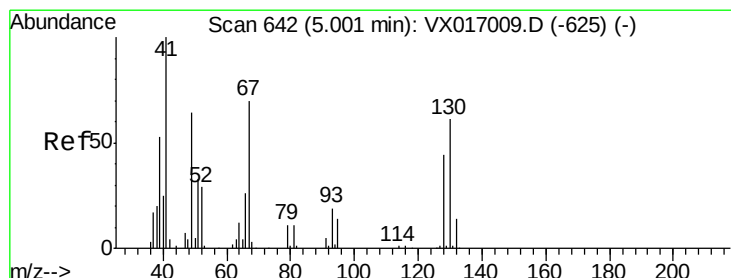
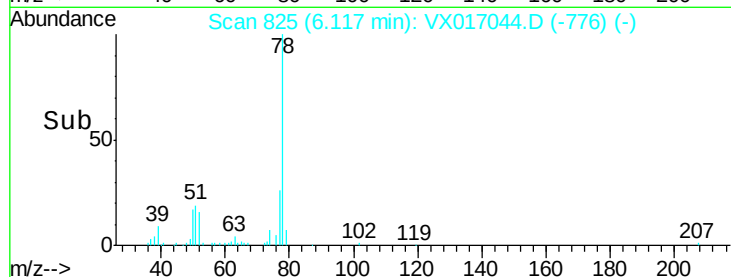
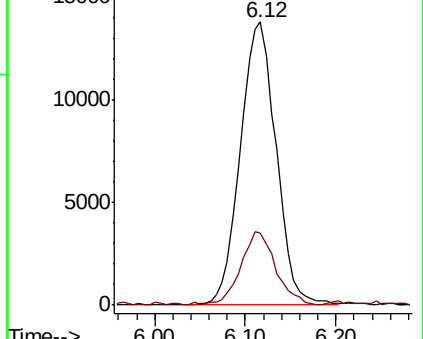
78 100

77 25.5 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 279.281 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.09 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Tgt Ion: 41 Resp: 615123

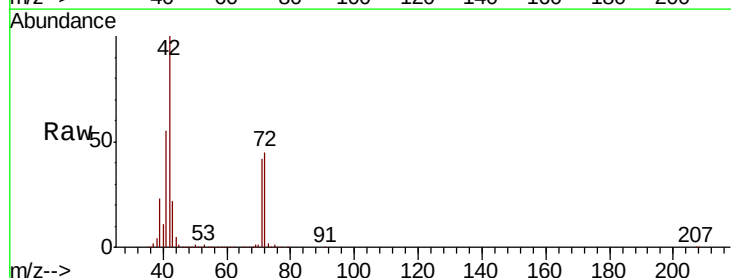
Ion Ratio Lower Upper

41 100

39 42.3 44.4 66.6#

67 0.0 57.1 85.7#

52 0.2 23.2 34.8#

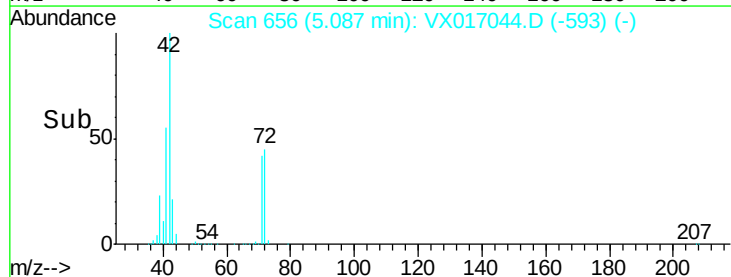
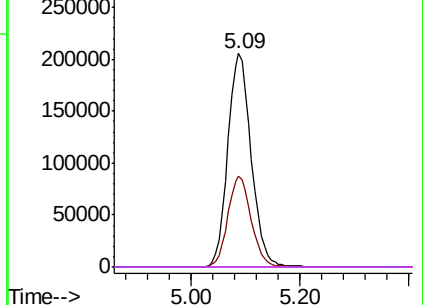


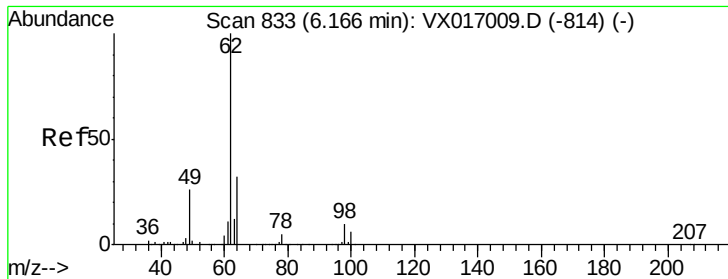
Abundance Ion 41.00 (40.70 to 41.70): VX0

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

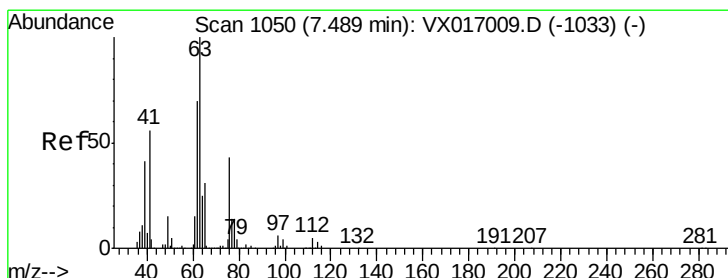
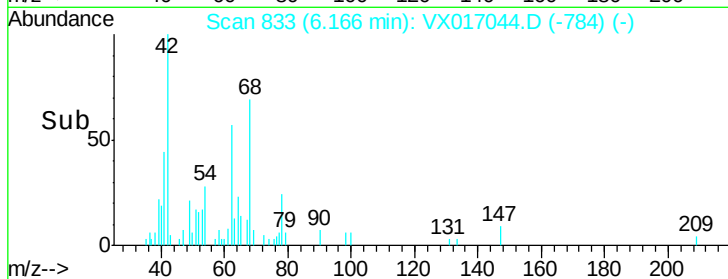
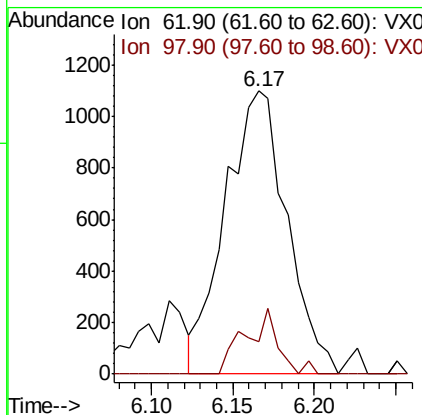
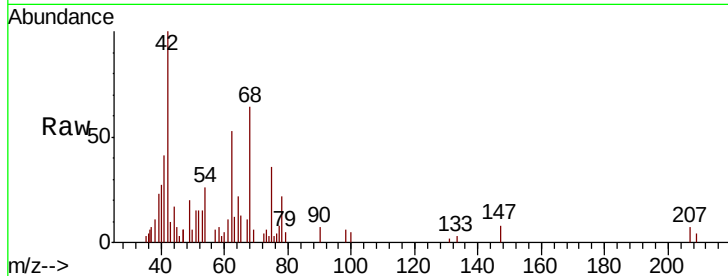




#42
 1,2-Dichloroethane
 Concen: 0.706 ug/l
 RT: 6.17 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

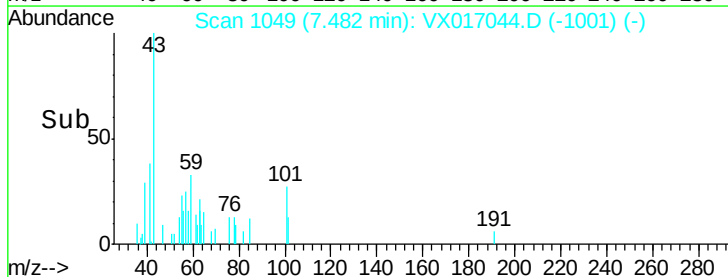
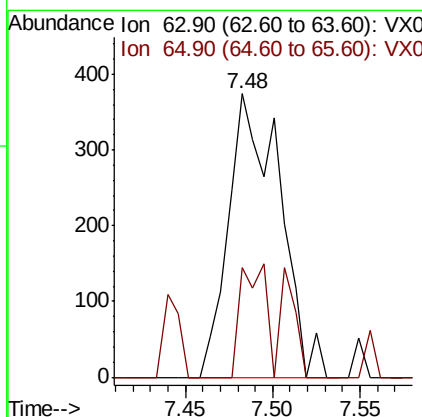
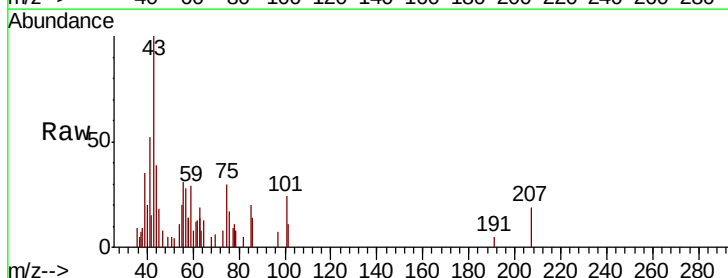
Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

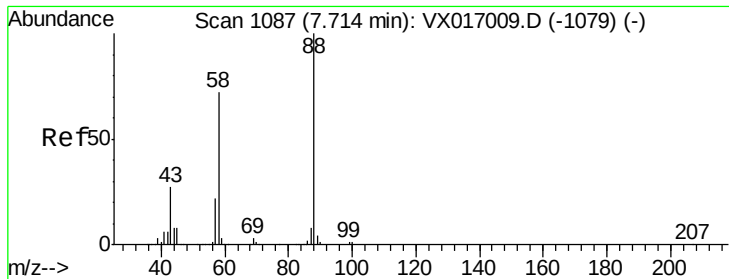
Tot Ion: 62 Resp: 2891
 Ion Ratio Lower Upper
 62 100
 98 12.6 0.0 19.2



#45
 1,2-Dichloropropane
 Concen: 0.262 ug/l
 RT: 7.48 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Tgt Ion: 63 Resp: 763
 Ion Ratio Lower Upper
 63 100
 65 38.5 24.6 36.8#





#49

1,4-Dioxane

Concen: 81.139 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

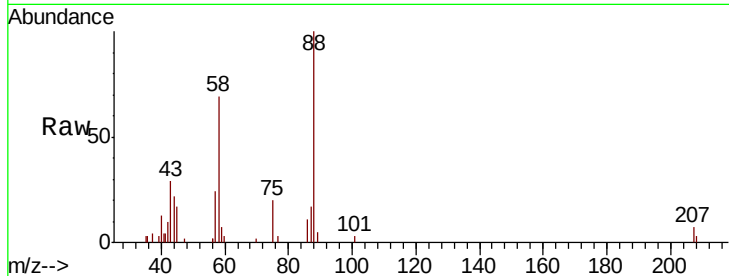
Tot Ion: 88 Resp: 5679

Ion Ratio Lower Upper

88 100

43 34.3 25.8 38.8

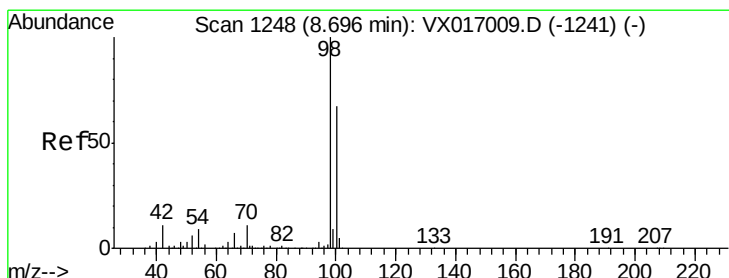
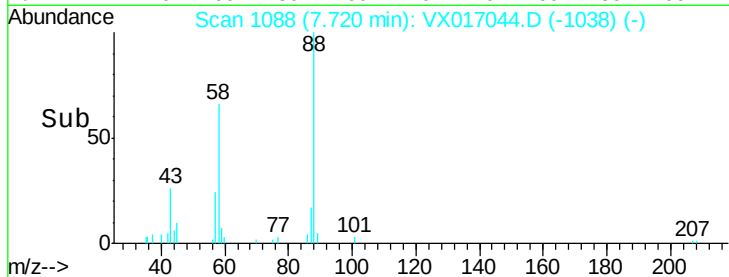
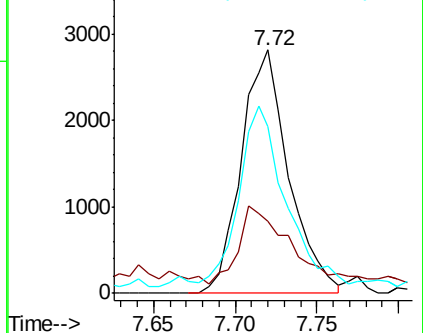
58 74.0 54.8 82.2



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: 53.141 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017044.D

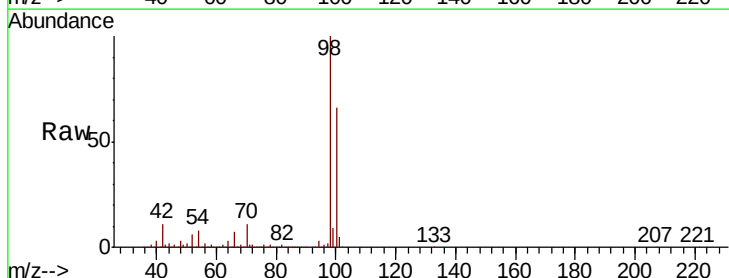
Acq: 30 Jun 2020 14:53

Tgt Ion: 98 Resp: 507269

Ion Ratio Lower Upper

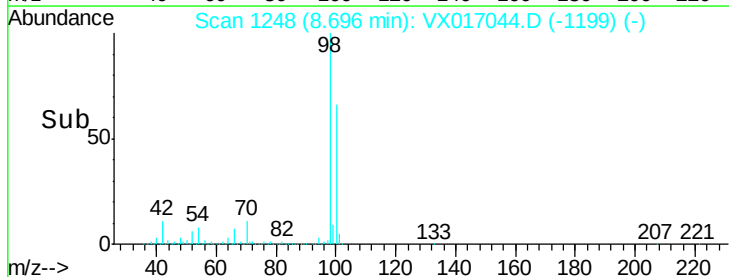
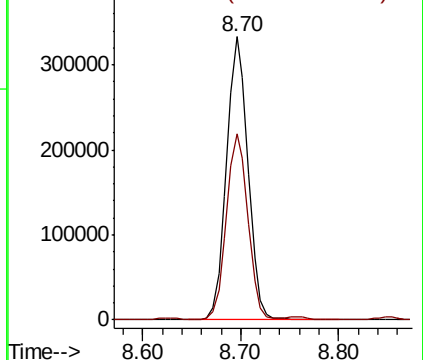
98 100

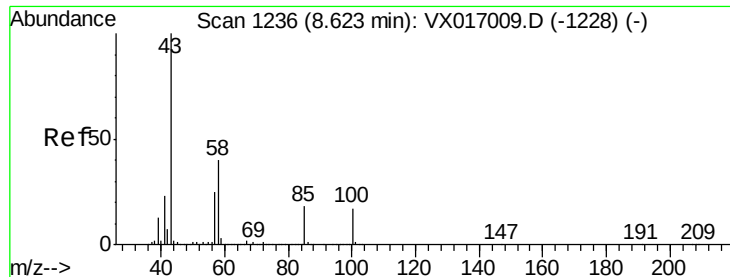
100 65.5 53.8 80.6



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: 11.001 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

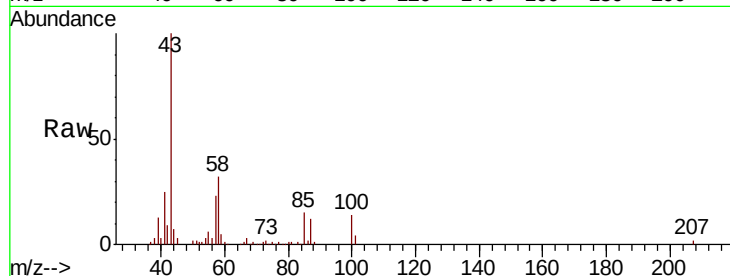
200624026-02-VOA

Tot Ion: 43 Resp: 42642

Ion Ratio Lower Upper

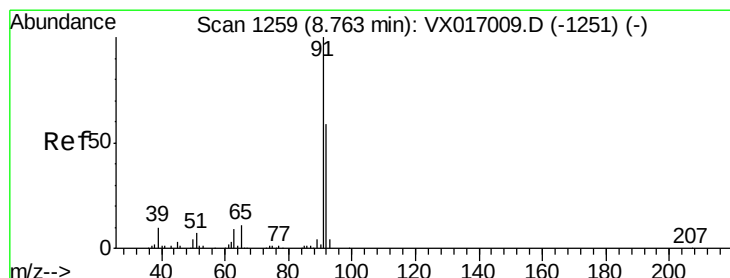
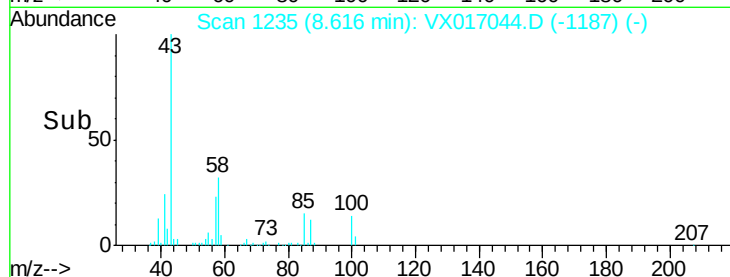
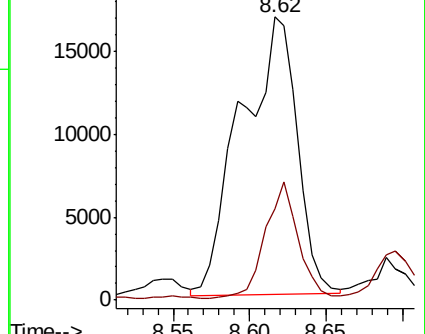
43 100

58 25.4 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 5.762 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017044.D

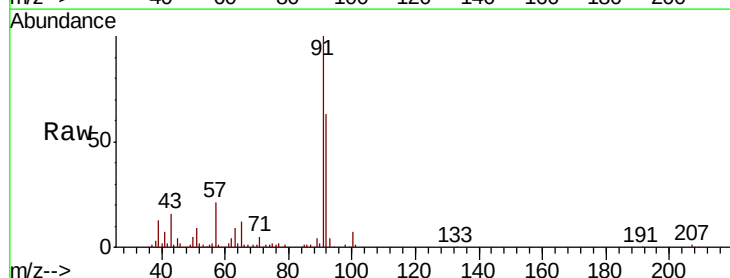
Acq: 30 Jun 2020 14:53

Tgt Ion: 92 Resp: 40768

Ion Ratio Lower Upper

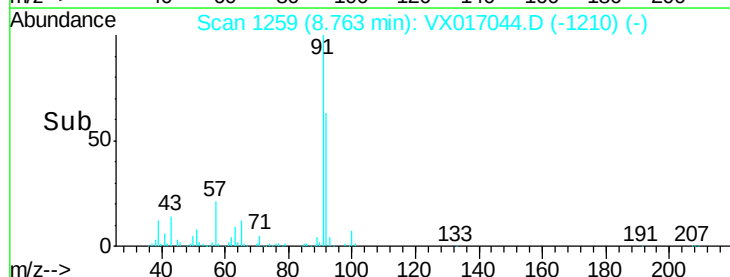
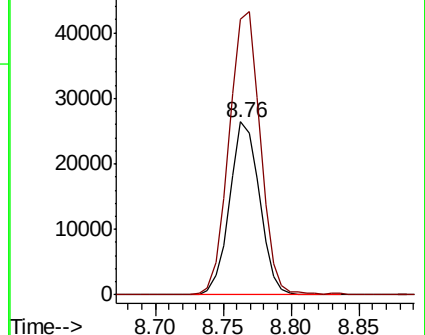
92 100

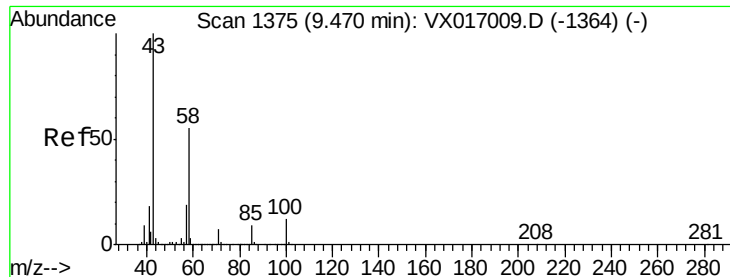
91 169.8 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

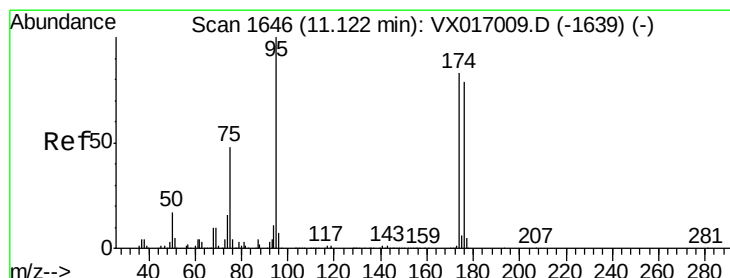
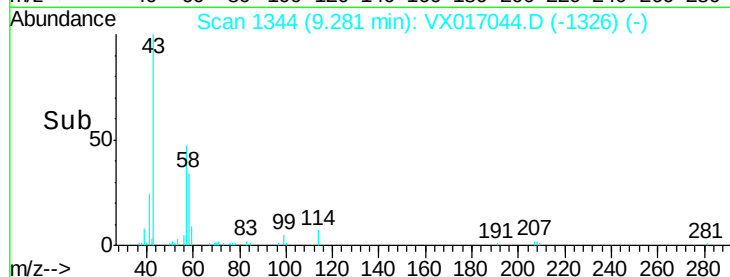
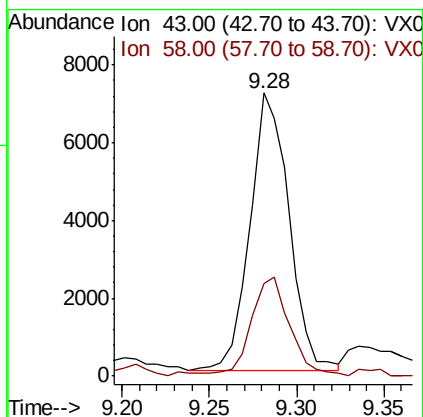
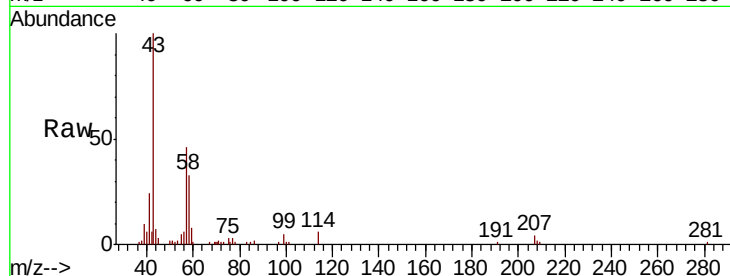




#59
2-Hexanone
Concen: 3.911 ug/l
RT: 9.28 min Scan# 1344
Delta R.T. -0.19 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

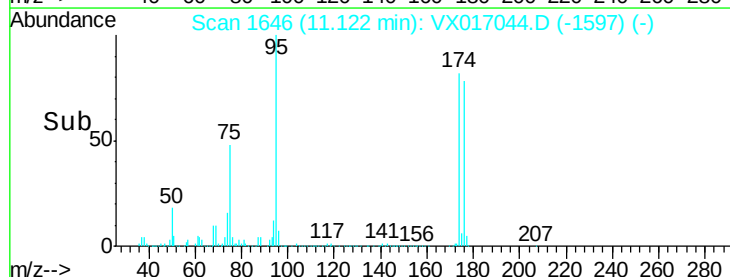
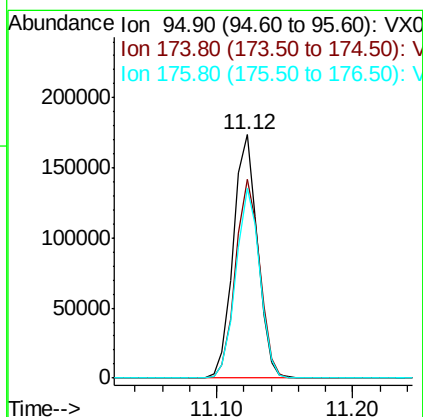
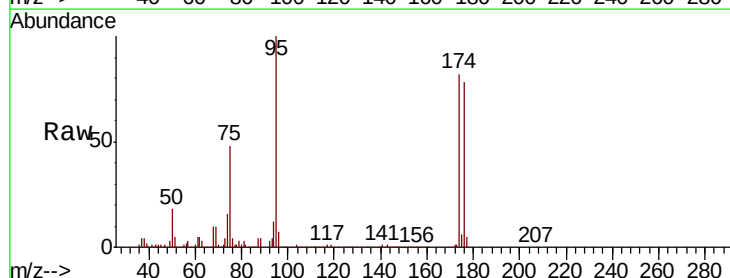
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

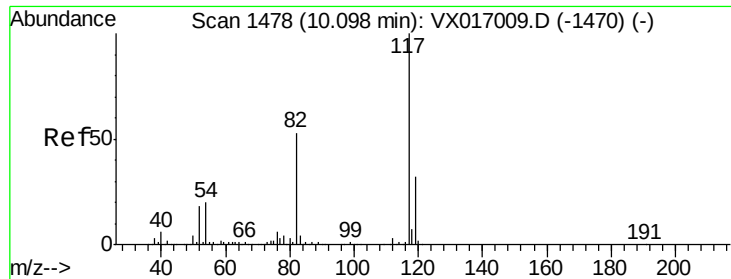
Tot Ion: 43 Resp: 11071
Ion Ratio Lower Upper
43 100
58 35.2 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 57.556 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 95 Resp: 214776
Ion Ratio Lower Upper
95 100
174 82.1 0.0 164.0
176 77.3 0.0 157.6

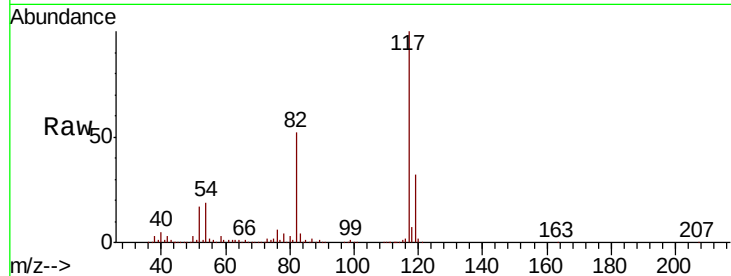




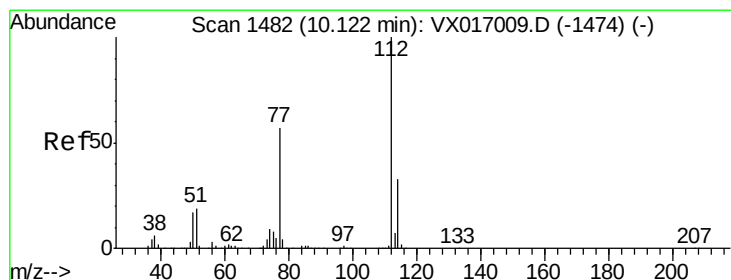
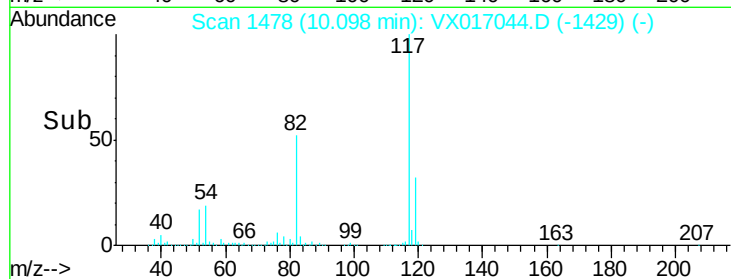
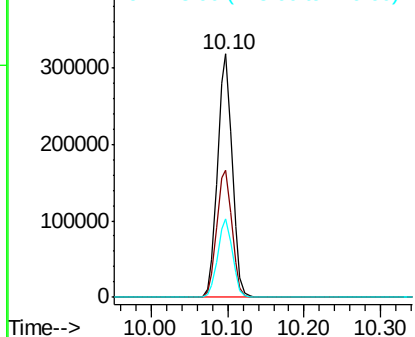
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion:117 Resp: 421352
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 32.4 25.4 38.2

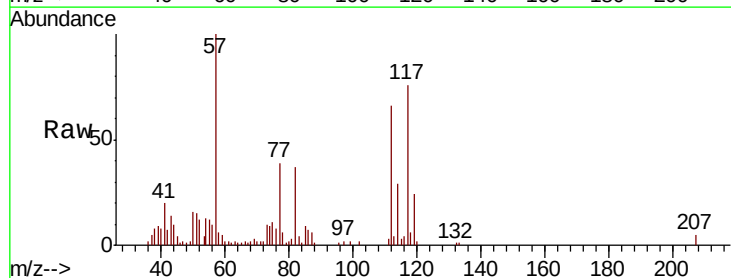


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

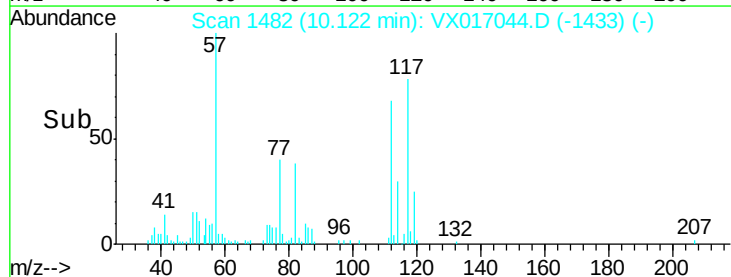
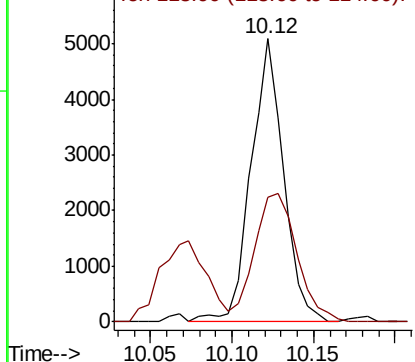


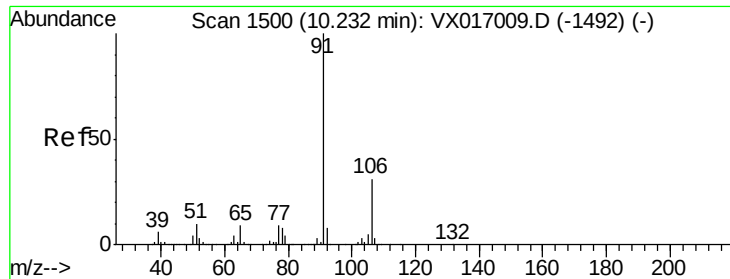
#65
Chlorobenzene
Concen: 0.813 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion:112 Resp: 7072
Ion Ratio Lower Upper
112 100
114 42.6 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

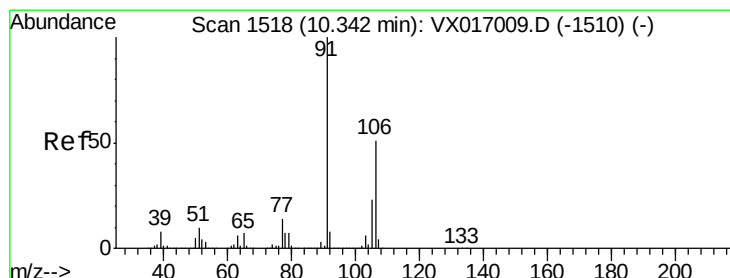
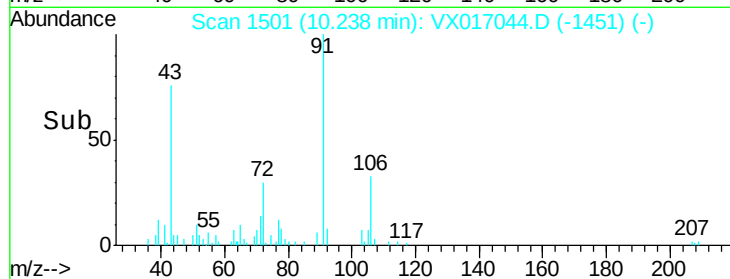
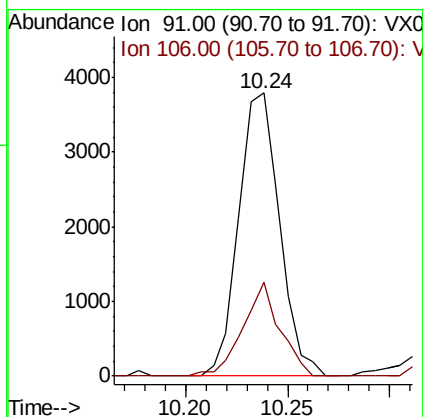
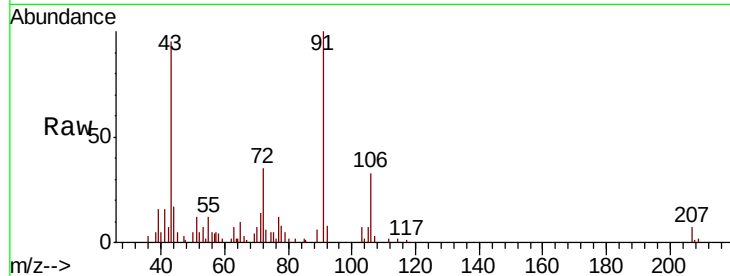




#67
Ethyl Benzene
Concen: 0.363 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

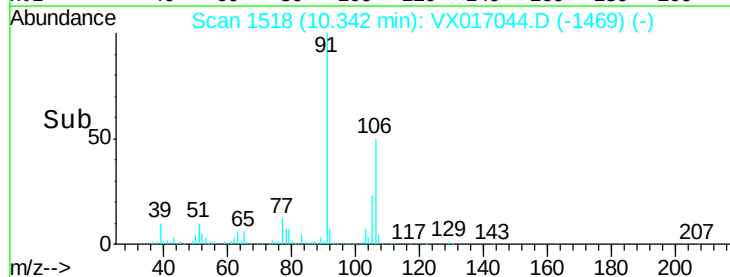
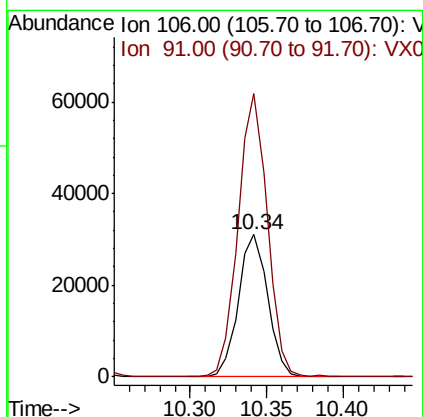
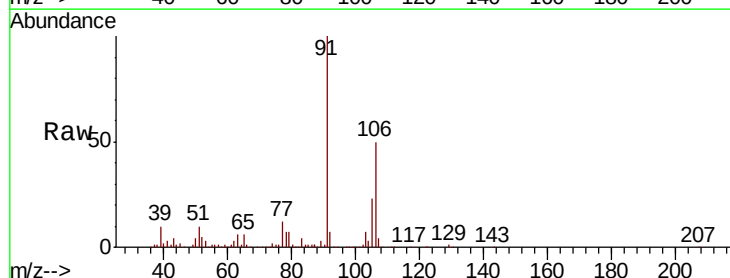
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

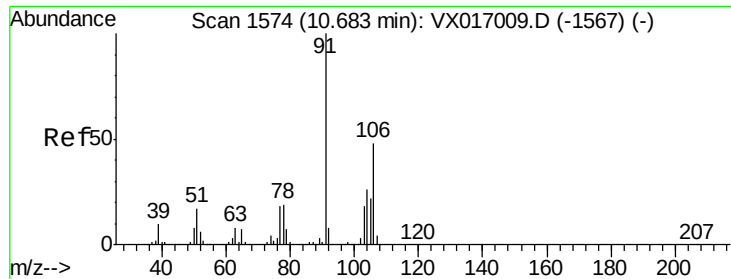
Tot Ion: 91 Resp: 5269
Ion Ratio Lower Upper
91 100
106 33.3 24.7 37.1



#68
m/p-Xylenes
Concen: 7.416 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 106 Resp: 41355
Ion Ratio Lower Upper
106 100
91 198.2 158.6 238.0

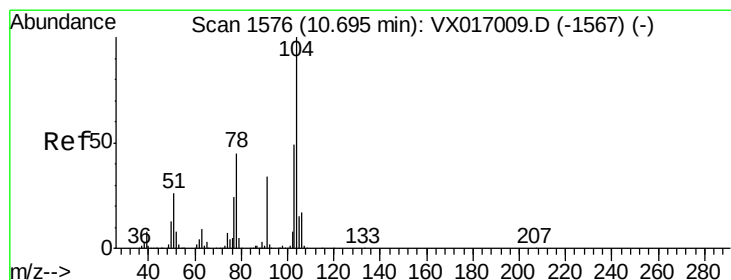
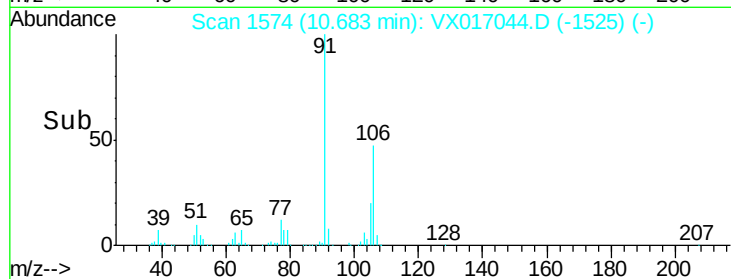
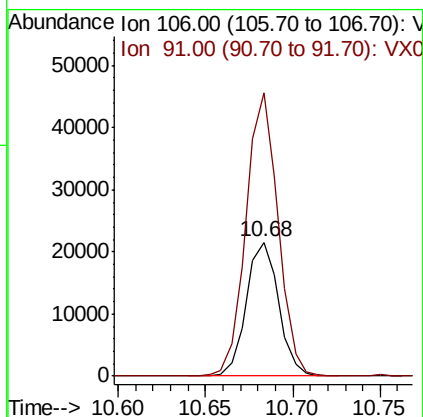
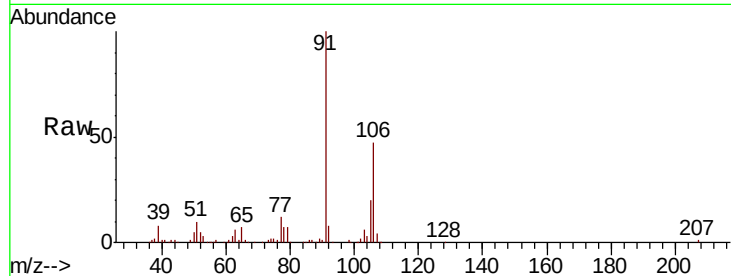




#69
o-Xylene
Concen: 5.214 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

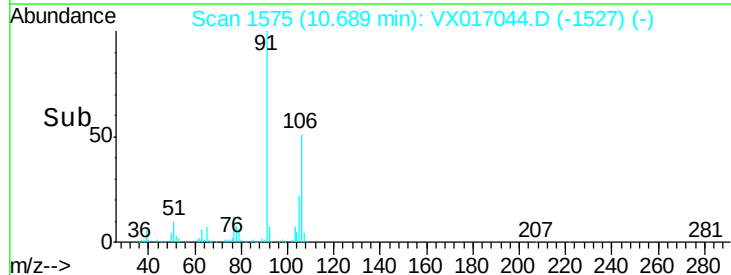
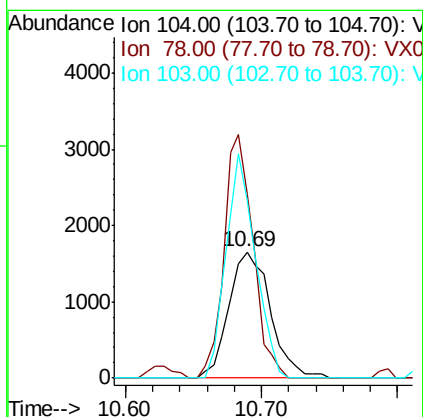
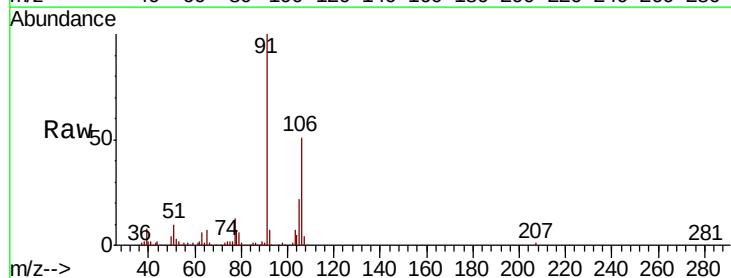
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

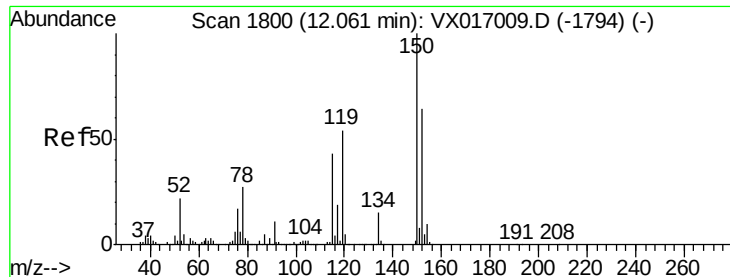
Tot Ion:106 Resp: 27657
Ion Ratio Lower Upper
106 100
91 209.8 105.6 316.7



#70
Styrene
Concen: 0.390 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion:104 Resp: 3526
Ion Ratio Lower Upper
104 100
78 133.7 39.5 59.3#
103 124.7 43.0 64.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

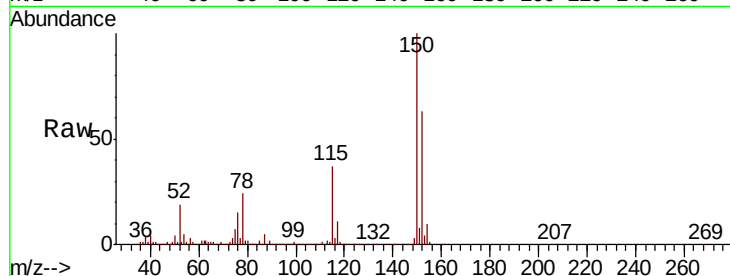
Tot Ion:152 Resp: 222709

Ion Ratio Lower Upper

152 100

115 58.1 40.9 122.7

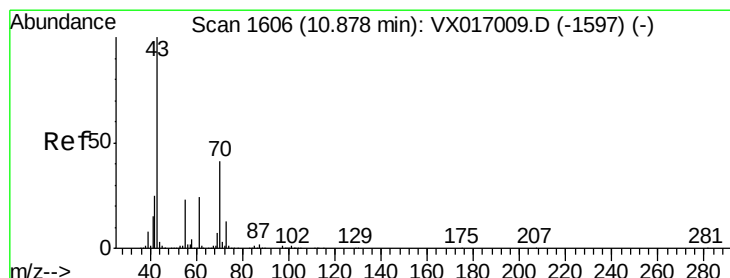
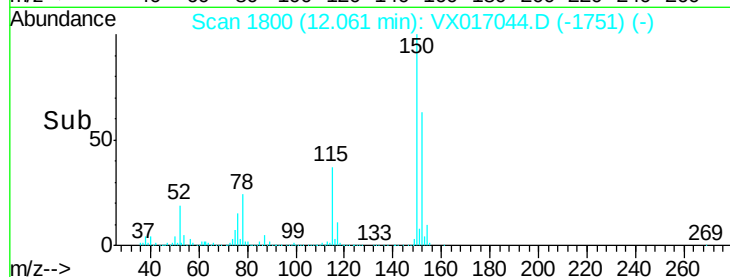
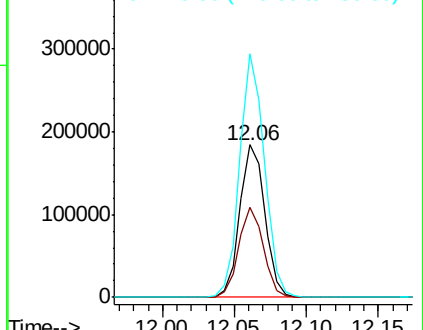
150 157.9 0.0 351.6



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



#74

N-ethyl acetate

Concen: 0.929 ug/l

RT: 10.93 min Scan# 1615

Delta R.T. 0.05 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Tgt Ion: 43 Resp: 5783

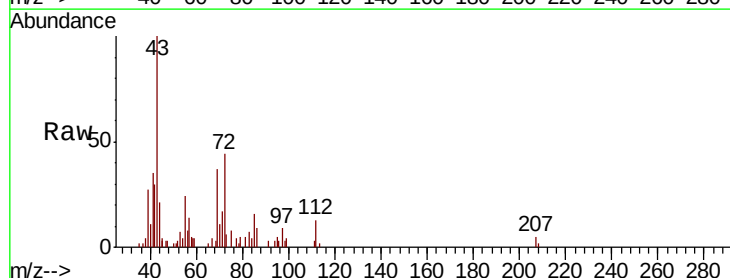
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.2#

55 19.7 19.2 28.8

61 0.0 19.6 29.4#

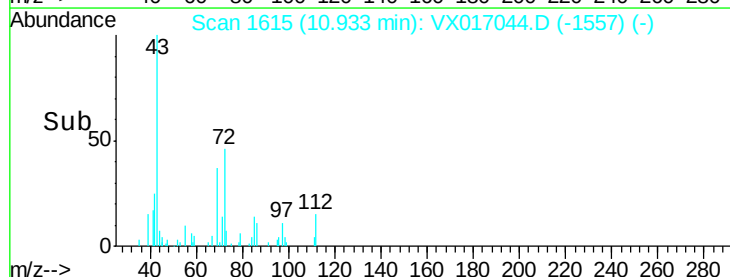
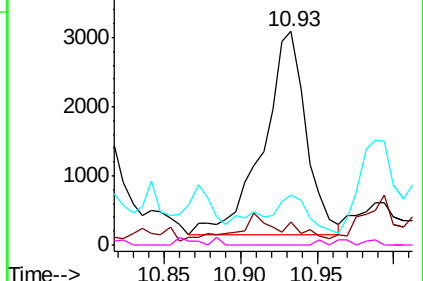


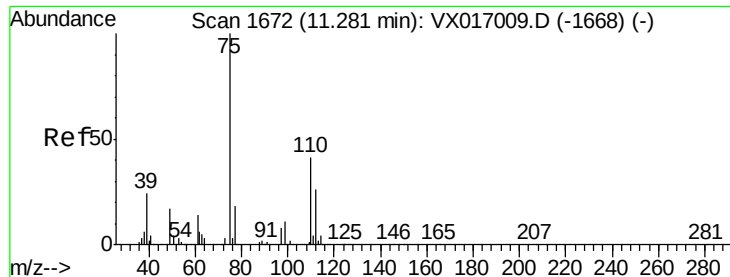
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 23.838 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

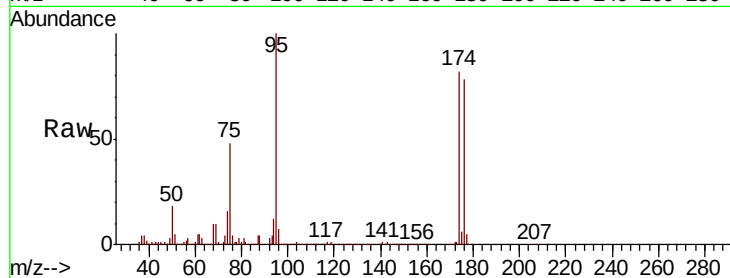
200624026-02-VOA

Tot Ion: 75 Resp: 104398

Ion Ratio Lower Upper

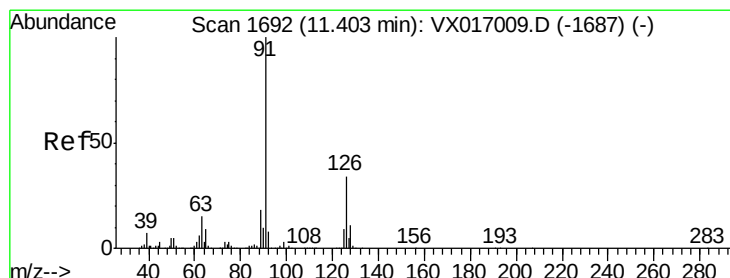
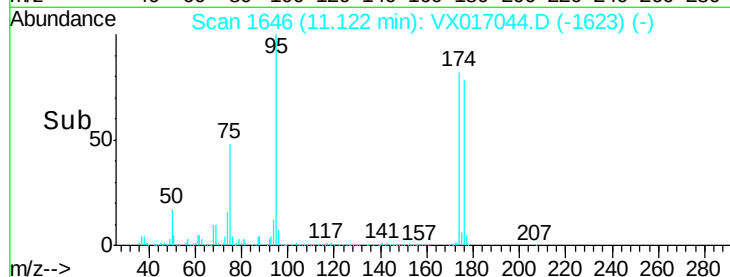
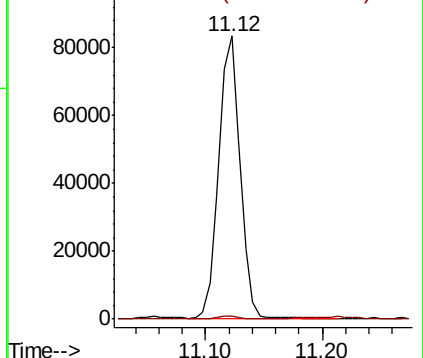
75 100

77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#79

2-Chlorotoluene

Concen: 0.291 ug/l

RT: 11.42 min Scan# 1695

Delta R.T. 0.02 min

Lab File: VX017044.D

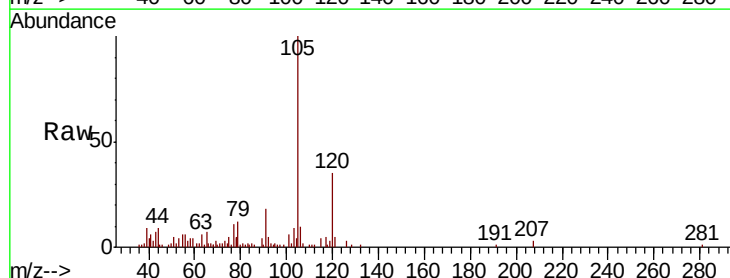
Acq: 30 Jun 2020 14:53

Tgt Ion: 91 Resp: 2906

Ion Ratio Lower Upper

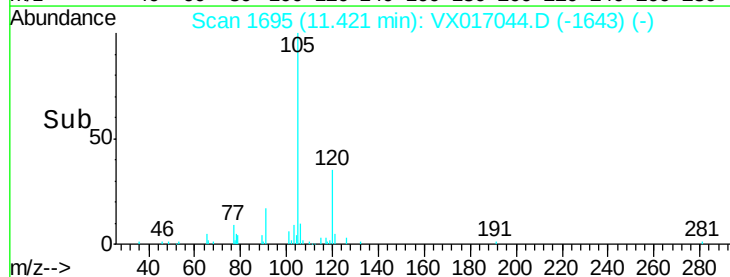
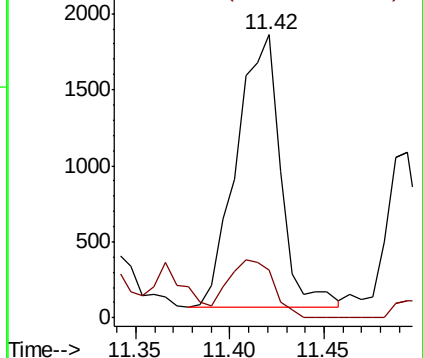
91 100

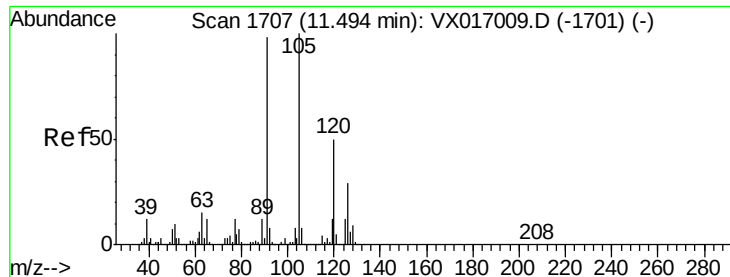
126 21.7 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.714 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

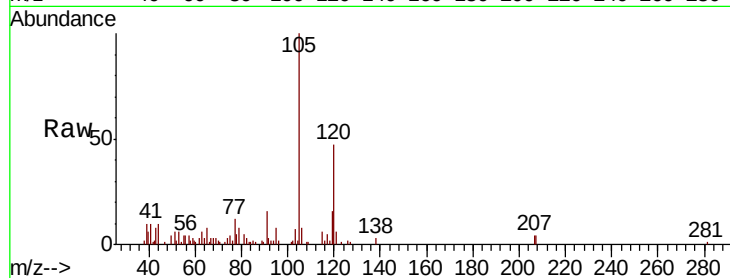
200624026-02-VOA

Tot Ion:105 Resp: 8639

Ion Ratio Lower Upper

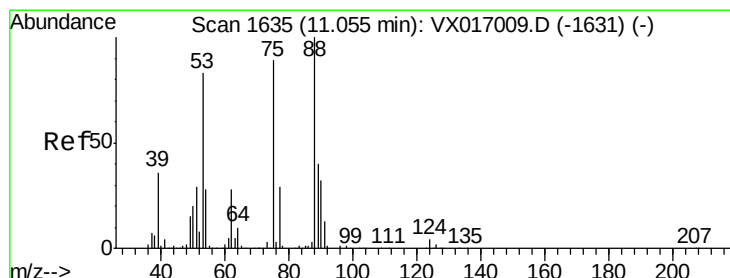
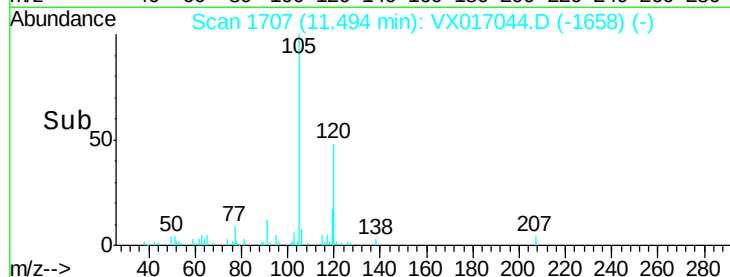
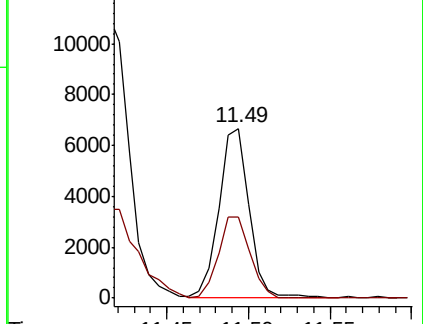
105 100

120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 61.732 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

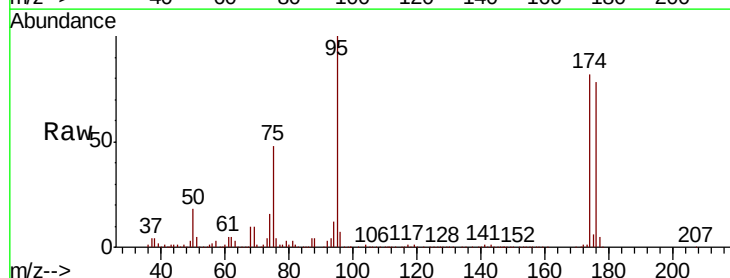
Tgt Ion: 75 Resp: 104398

Ion Ratio Lower Upper

75 100

53 0.7 72.4 108.6#

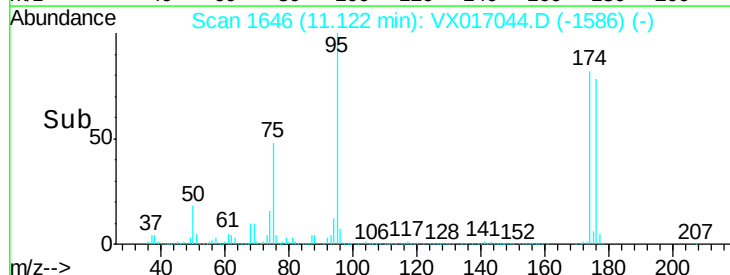
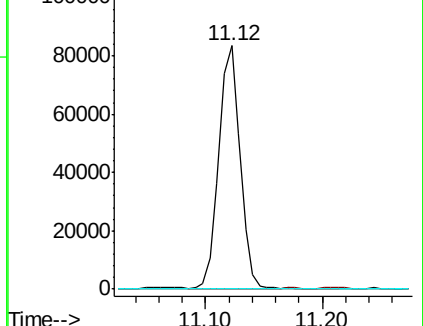
89 0.1 37.0 55.4#

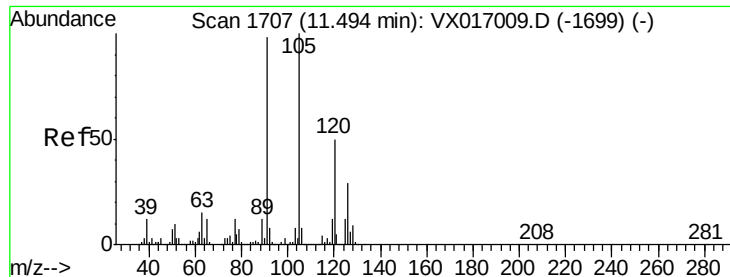


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 0.243 ug/l

RT: 11.42 min Scan# 1695

Delta R.T. -0.07 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

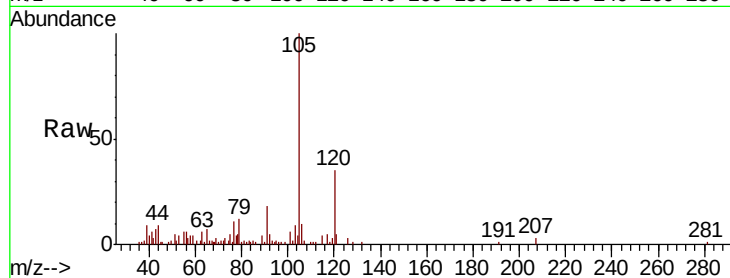
200624026-02-VOA

Tot Ion: 91 Resp: 2906

Ion Ratio Lower Upper

91 100

126 21.7 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

11.42

2000

1500

1000

500

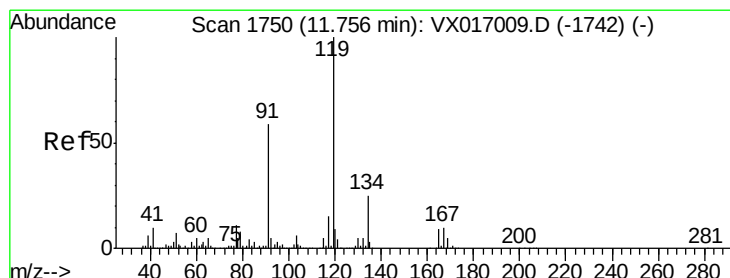
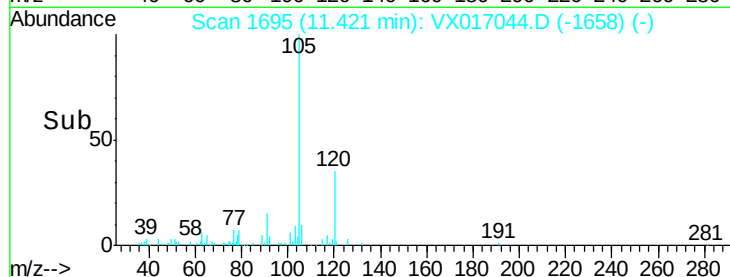
0

11.35

11.40

11.45

Time-->



#83

tert-Butylbenzene

Concen: 0.222 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.26 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

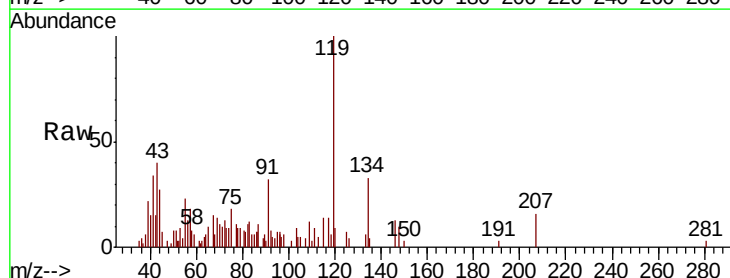
Tgt Ion: 119 Resp: 2637

Ion Ratio Lower Upper

119 100

91 41.3 28.3 84.9

134 29.6 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

12.01

2500

2000

1500

1000

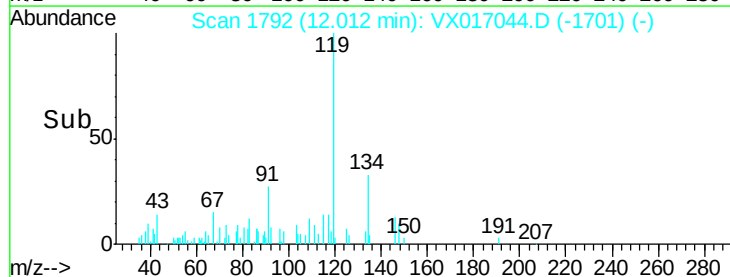
500

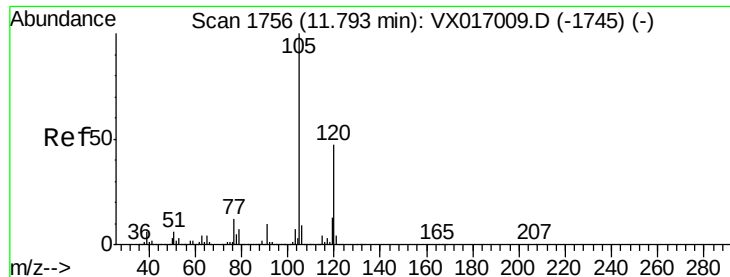
0

11.95

12.00

Time-->

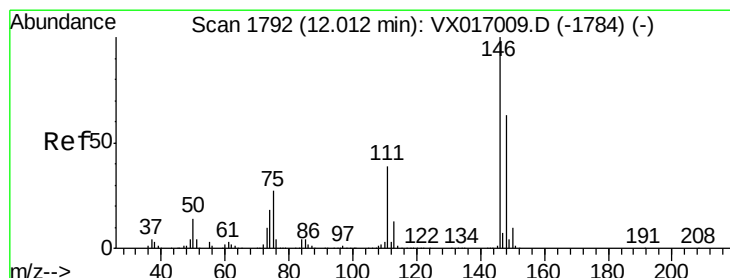
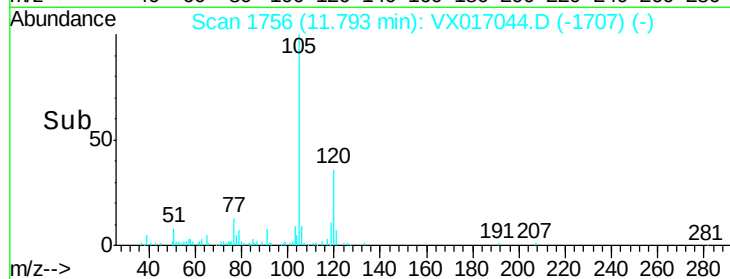
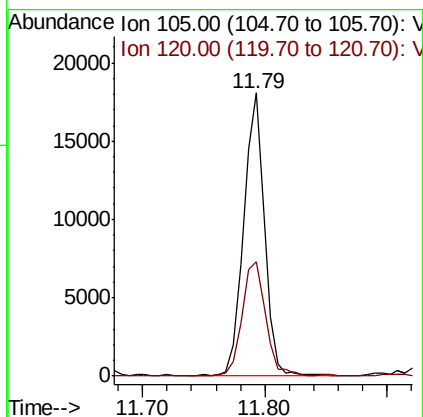
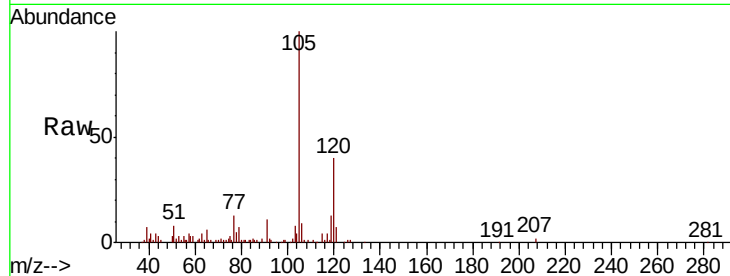




#84
 1,2,4-Trimethylbenzene
 Concen: 1.728 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

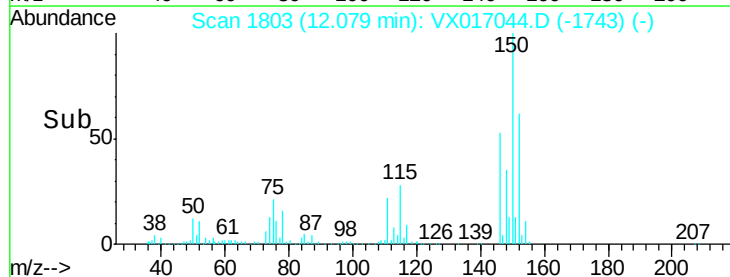
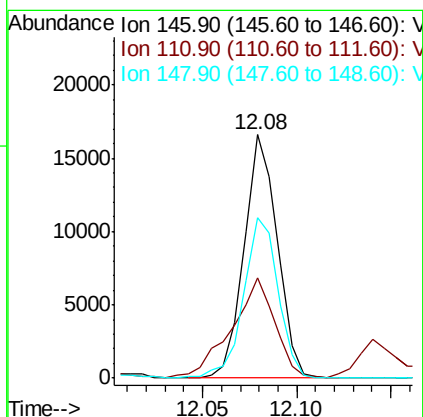
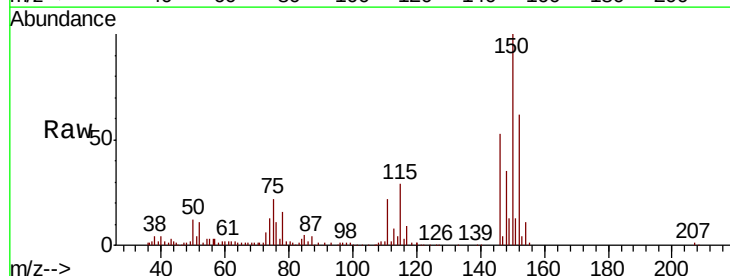
Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

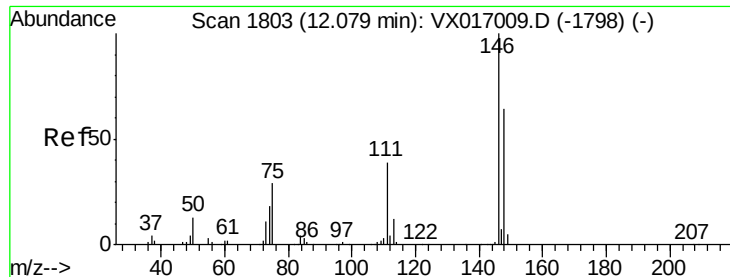
Tot Ion:105 Resp: 21211
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.5



#87
 1,3-Dichlorobenzene
 Concen: 2.789 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.07 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Tgt Ion:146 Resp: 20311
 Ion Ratio Lower Upper
 146 100
 111 53.6 20.4 61.2
 148 68.8 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: 2.777 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

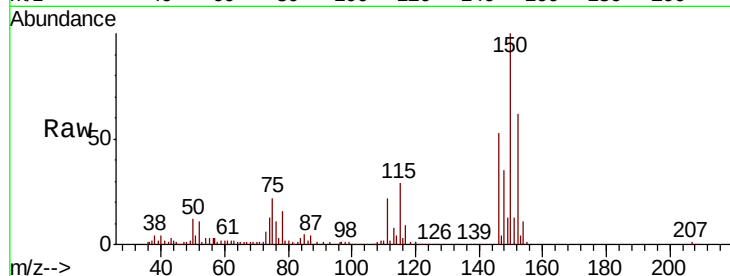
Tot Ion:146 Resp: 20311

Ion Ratio Lower Upper

146 100

111 53.6 19.5 58.5

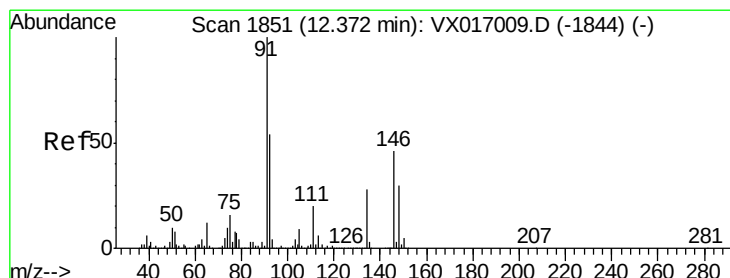
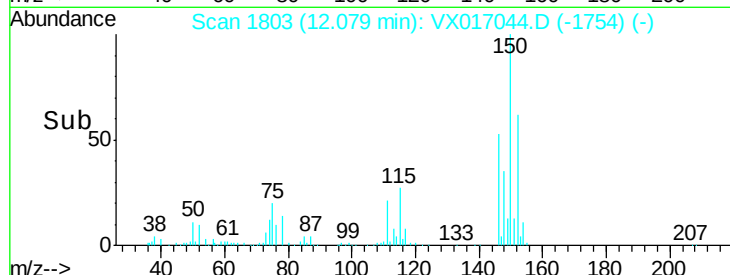
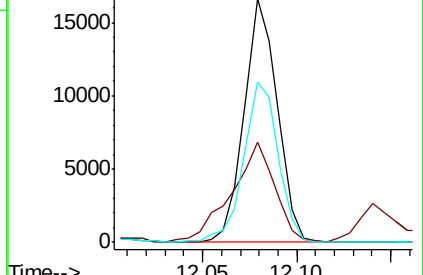
148 68.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.226 ug/l

RT: 12.56 min Scan# 1882

Delta R.T. 0.19 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

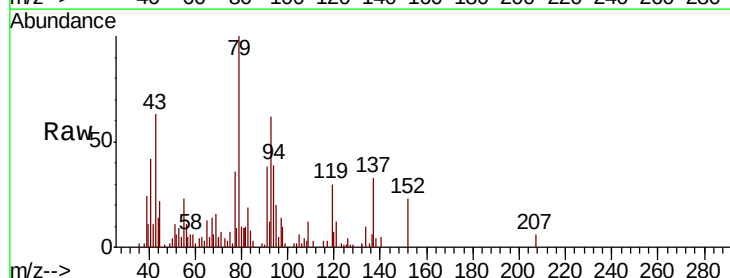
Tgt Ion: 91 Resp: 2627

Ion Ratio Lower Upper

91 100

92 47.0 27.2 81.6

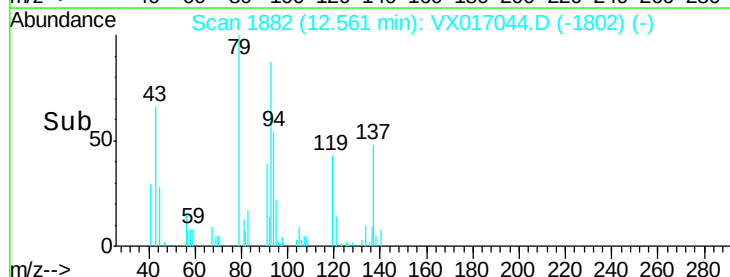
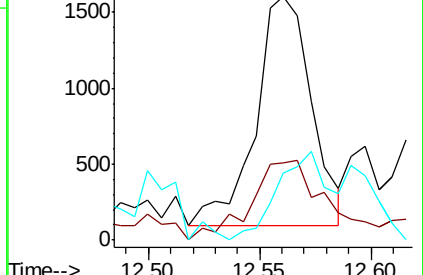
134 35.4 13.6 40.7

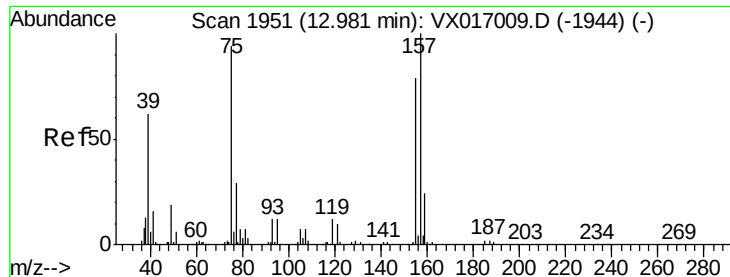


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.435 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

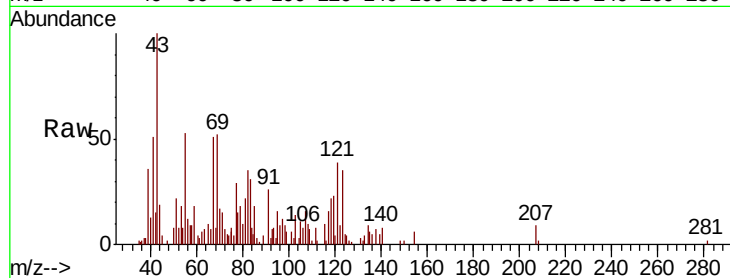
Tot Ion: 75 Resp: 476

Ion Ratio Lower Upper

75 100

155 0.0 45.1 135.2#

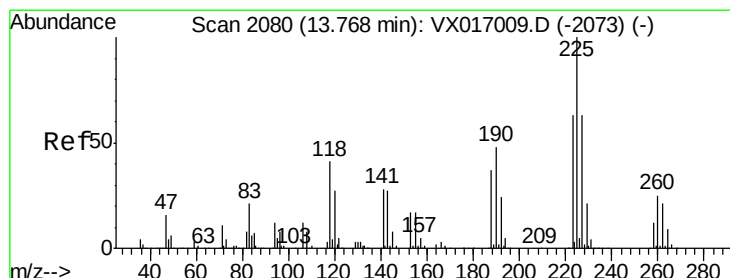
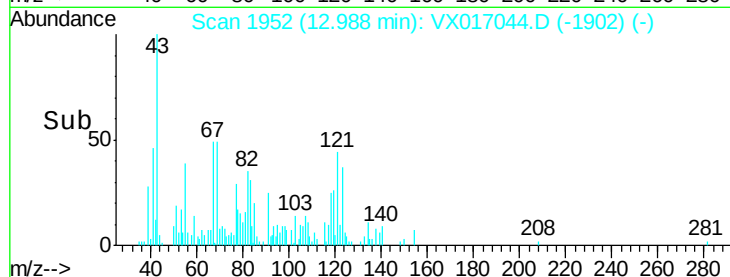
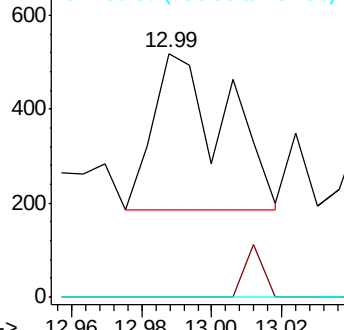
157 0.0 56.5 169.3#



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



#94

Hexachlorobutadiene

Concen: 0.884 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

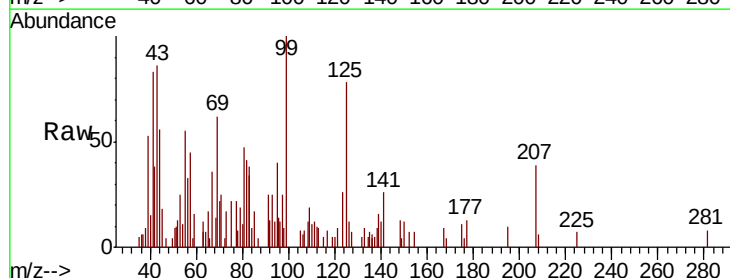
Tgt Ion: 225 Resp: 72

Ion Ratio Lower Upper

225 100

223 0.0 32.5 97.5#

227 0.0 33.1 99.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

