

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062920\
 Data File : VX017024.D
 Acq On : 29 Jun 2020 21:57
 Operator : JC/SP
 Sample : L3146-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Quant Time: Jun 30 05:33:22 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	258574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	735134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	704255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	251636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	275212	86.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.68%	
35) Dibromofluoromethane	5.47	113	138797	29.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.70%	
50) Toluene-d8	8.70	98	859357	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.12	95	370907	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.39	62	1488	0.530	ug/l	95
5) Bromomethane	1.64	94	366	0.247	ug/l #	60
6) Chloroethane	1.72	64	777	0.468	ug/l #	50
8) Diethyl Ether	2.17	74	11037	8.202	ug/l	96
11) Tert butyl alcohol	3.01	59	3130058	5147.117	ug/l	100
13) Acrolein	2.21	56	155	0.426	ug/l #	15
14) Allyl chloride	2.68	41	38150	8.069	ug/l #	44
15) Acrylonitrile	3.01	53	26218	17.934	ug/l #	22
16) Acetone	2.42	43	8415	7.057	ug/l	99
17) Carbon Disulfide	2.55	76	3273	0.481	ug/l #	86
18) Methyl Acetate	3.01	43	340879	109.502	ug/l #	51
19) Methyl tert-butyl Ether	3.17	73	25544	2.975	ug/l	98
20) Methylene Chloride	2.84	84	1489	Below Cal	#	93
24) 1,1-Dichloroethane	3.67	63	1202	0.241	ug/l #	82
25) 2-Butanone	4.67	43	114607	57.679	ug/l #	75
26) 2,2-Dichloropropane	4.67	77	167290	37.841	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	2869	0.892	ug/l	80
28) Bromochloromethane	4.98	49	80830	33.362	ug/l	98
29) Tetrahydrofuran	5.09	42	1221544	930.453	ug/l	99
36) 1,1-Dichloropropene	5.62	75	20834	2.999	ug/l #	50
37) Ethyl Acetate	4.75	43	8597	1.220	ug/l #	68
38) Carbon Tetrachloride	5.63	117	26367	3.445	ug/l #	16
40) Benzene	6.12	78	40584	1.988	ug/l	98
41) Methacrylonitrile	5.09	41	667101	168.138	ug/l #	44
42) 1,2-Dichloroethane	6.17	62	3706	0.503	ug/l	90
43) Isopropyl Acetate	6.41	43	4108	0.351	ug/l #	64
44) Trichloroethene	7.19	130	909	Below Cal		82
49) 1,4-Dioxane	7.71	88	6603	52.371	ug/l	90
51) 4-Methyl-2-Pentanone	8.62	43	50330	7.208	ug/l #	75
52) Toluene	8.76	92	41596	3.264	ug/l	97
59) 2-Hexanone	9.28	43	12182	2.389	ug/l	79
65) Chlorobenzene	10.12	112	7549	0.519	ug/l #	83
68) m/p-Xylenes	10.34	106	40457	4.341	ug/l	100
69) o-Xylene	10.68	106	28718	3.239	ug/l	96

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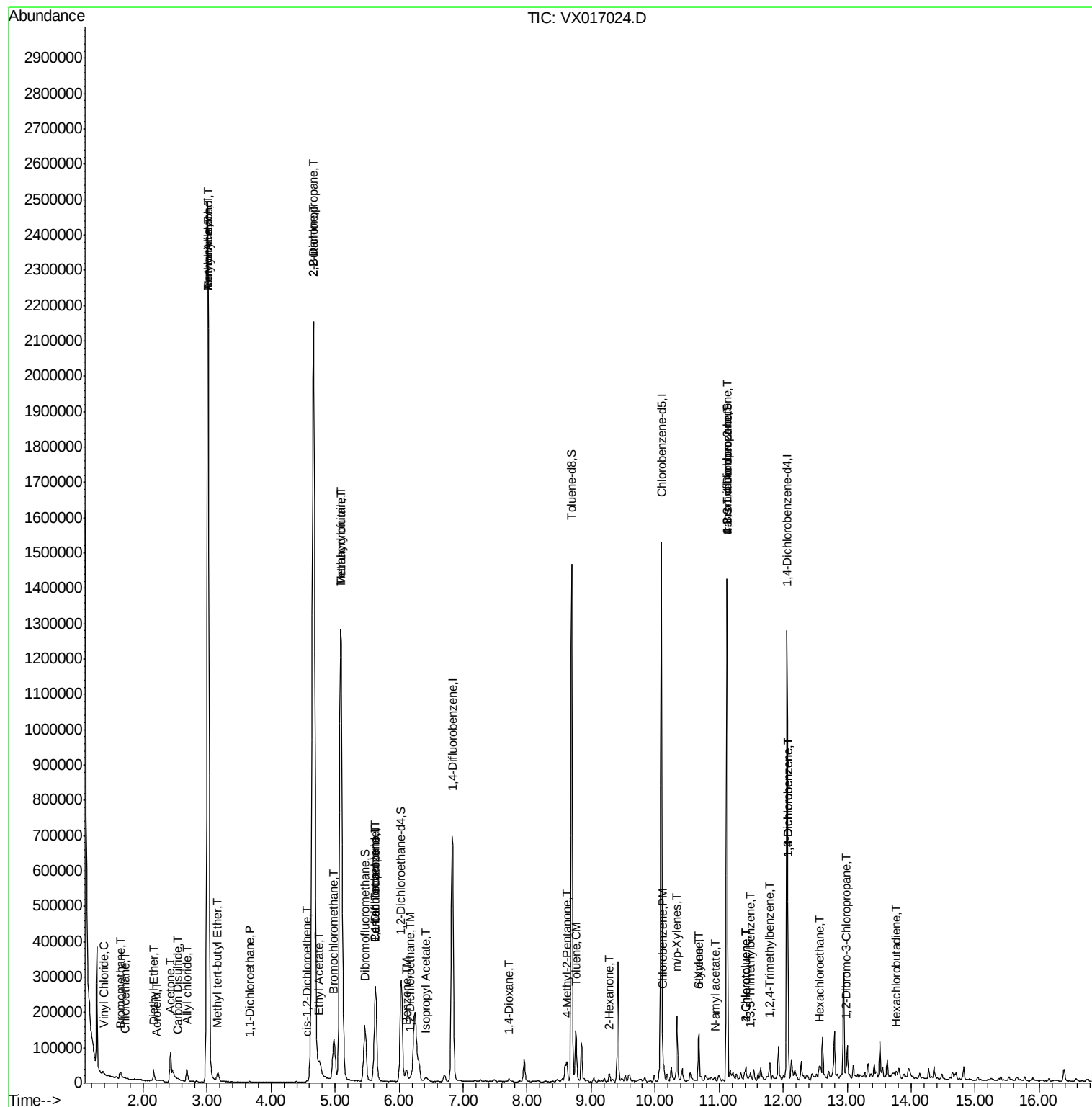
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
70) Styrene	10.69	104	3376	0.224	ug/l #		1
74) N-amyl acetate	10.93	43	5639	0.802	ug/l #		61
76) 1,2,3-Trichloropropane	11.12	75	179150	36.205	ug/l #		37
79) 2-Chlorotoluene	11.41	91	3575	0.317	ug/l		75
80) 1,3,5-Trimethylbenzene	11.49	105	9500	0.695	ug/l		94
81) trans-1,4-Dichloro-2-buten	11.12	75	179150	93.757	ug/l #		13
82) 4-Chlorotoluene	11.41	91	3575	0.265	ug/l		81
84) 1,2,4-Trimethylbenzene	11.79	105	19167	1.382	ug/l		91
87) 1,3-Dichlorobenzene	12.08	146	22081	2.684	ug/l		90
88) 1,4-Dichlorobenzene	12.08	146	22081	2.665	ug/l		88
90) Hexachloroethane	12.55	117	790	0.273	ug/l #		10
92) 1,2-Dibromo-3-Chloropropan	12.98	75	665	0.538	ug/l #		2
94) Hexachlorobutadiene	13.76	225	112	0.899	ug/l		85

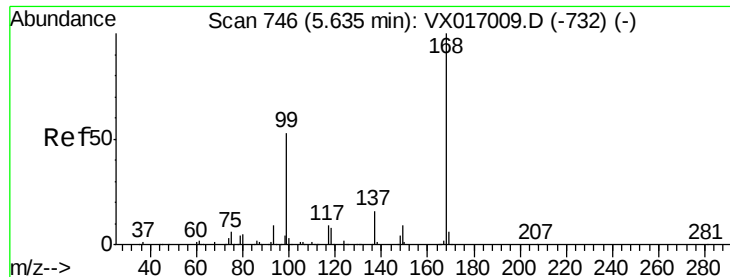
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017024.D

Acq: 29 Jun 2020 21:57

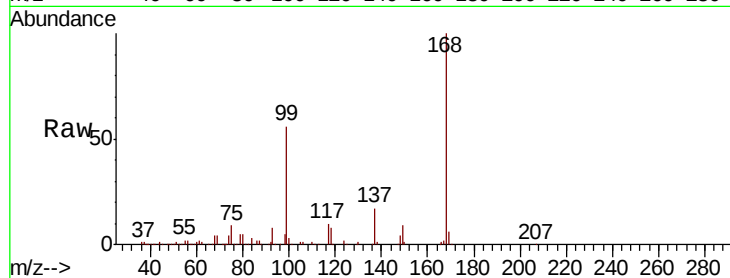
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion:168 Resp: 258574

Ion Ratio Lower Upper

168 100

99 56.4 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

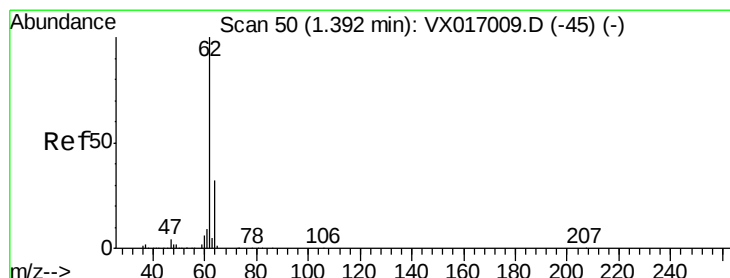
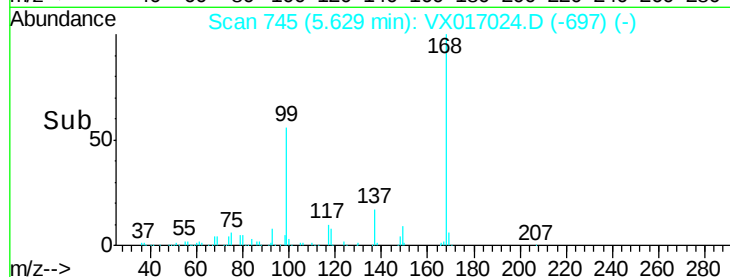
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.530 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017024.D

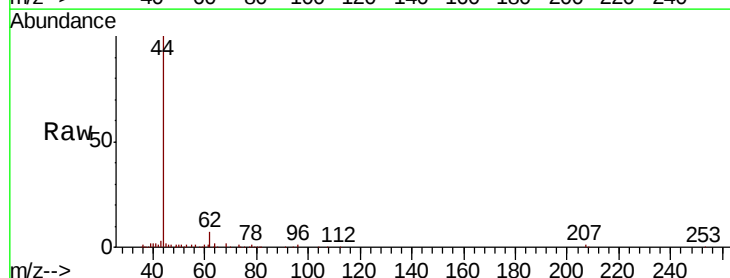
Acq: 29 Jun 2020 21:57

Tgt Ion: 62 Resp: 1488

Ion Ratio Lower Upper

62 100

64 35.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

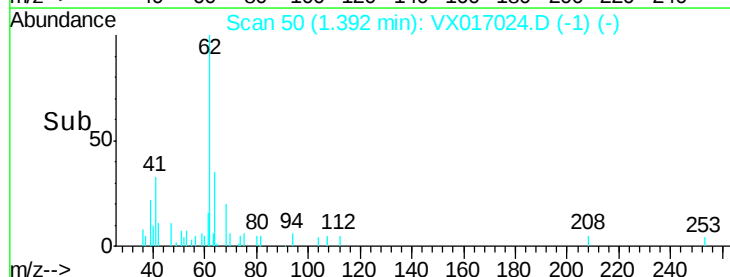
1500

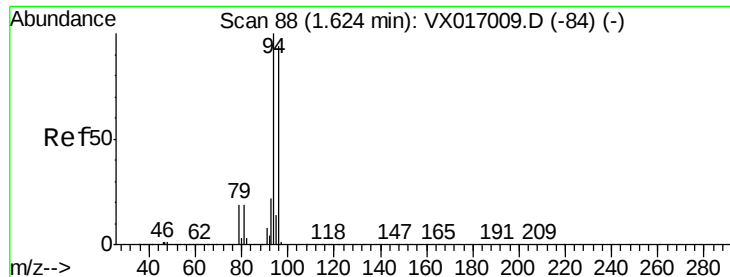
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.247 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

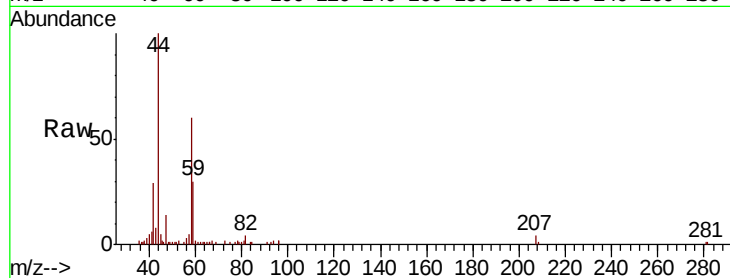
200624026-02-VOA

Tot Ion: 94 Resp: 366

Ion Ratio Lower Upper

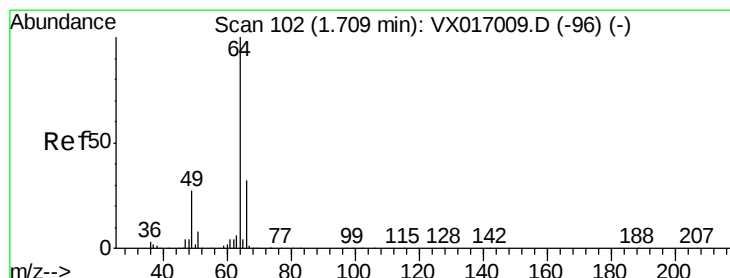
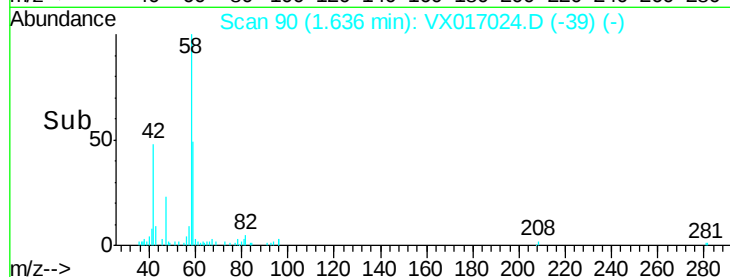
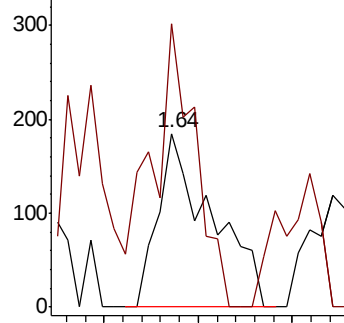
94 100

96 132.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.468 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017024.D

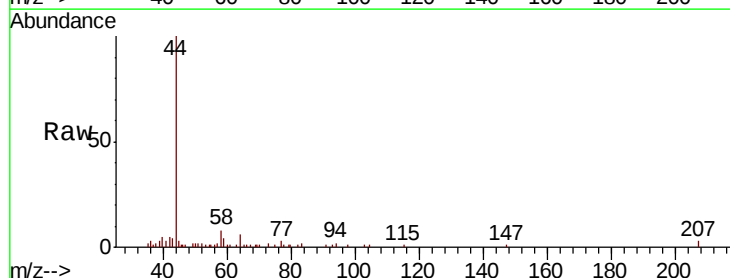
Acq: 29 Jun 2020 21:57

Tgt Ion: 64 Resp: 777

Ion Ratio Lower Upper

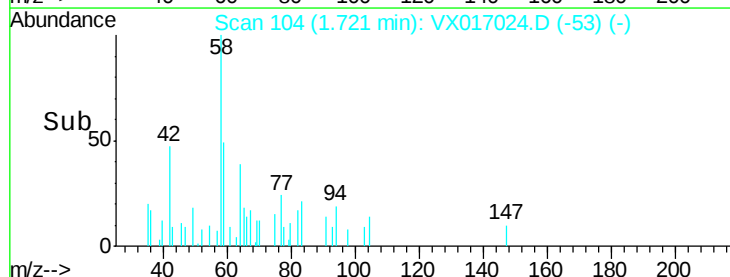
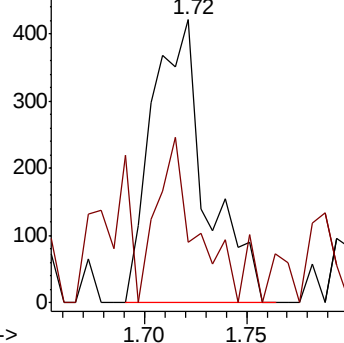
64 100

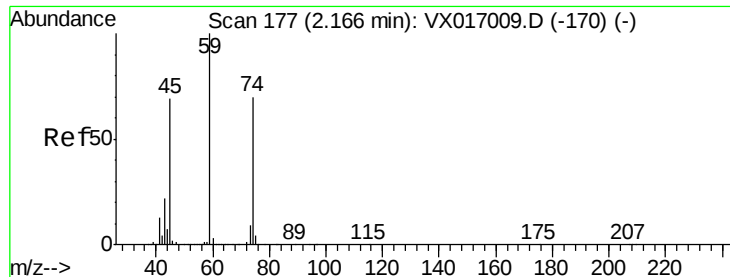
66 4.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 8.202 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

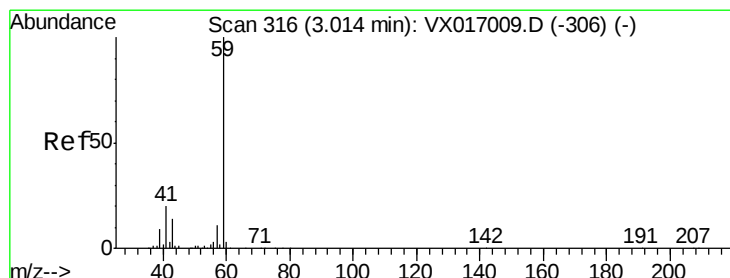
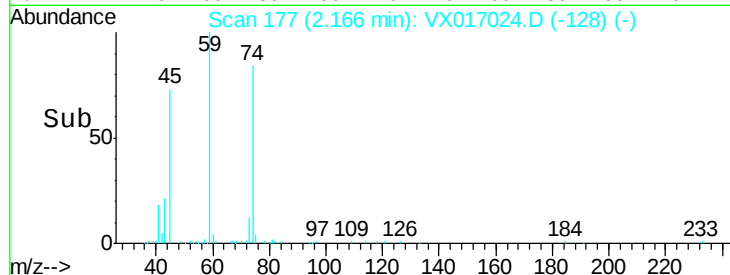
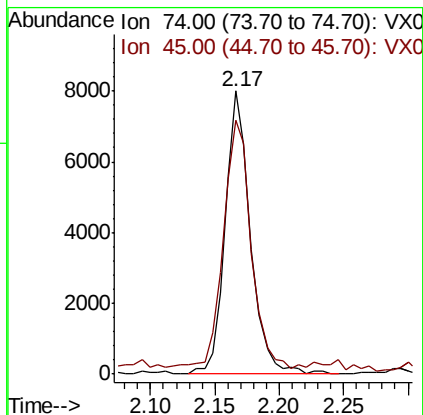
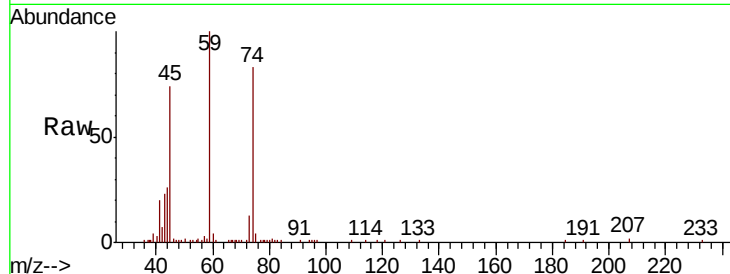
200624026-02-VOA

Tot Ion: 74 Resp: 11037

Ion Ratio Lower Upper

74 100

45 95.2 49.8 149.3



#11

Tert butyl alcohol

Concen: 5147.117 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017024.D

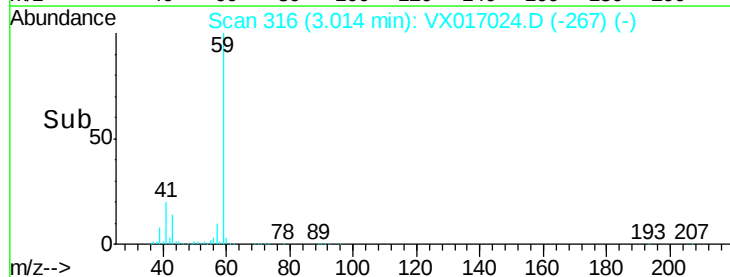
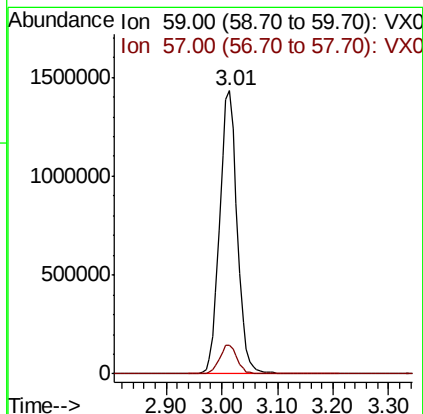
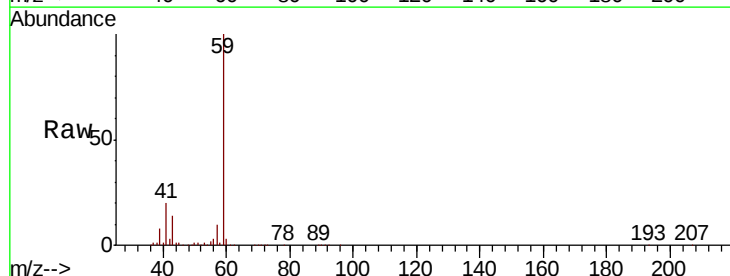
Acq: 29 Jun 2020 21:57

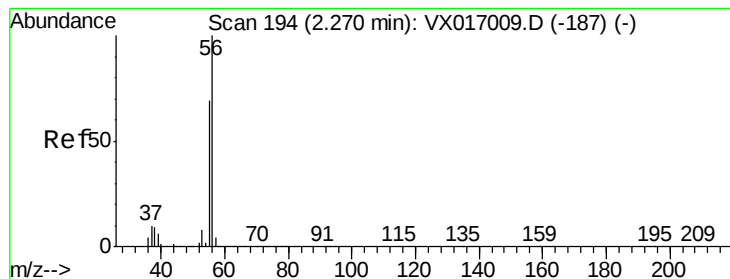
Tgt Ion: 59 Resp: 3130058

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2





#13

Acrolein

Concen: 0.426 ug/l

RT: 2.21 min Scan# 184

Delta R.T. -0.06 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

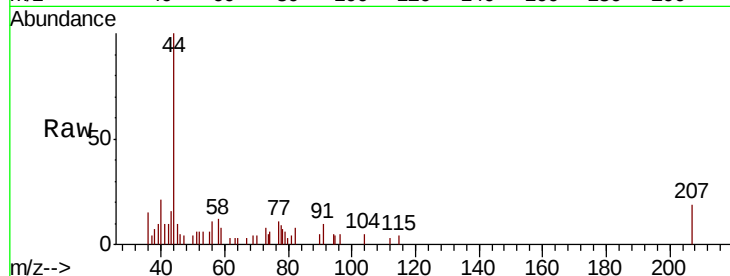
200624026-02-VOA

Tot Ion: 56 Resp: 155

Ion Ratio Lower Upper

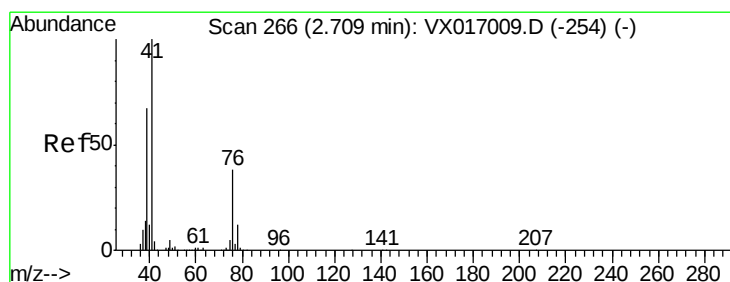
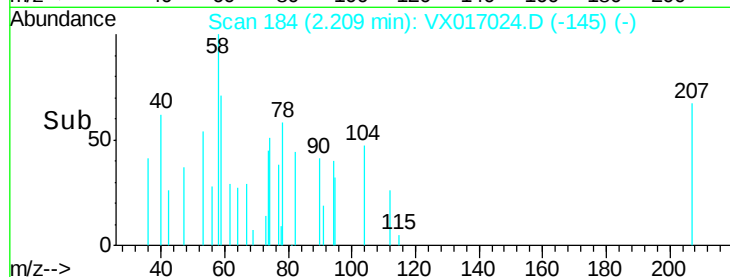
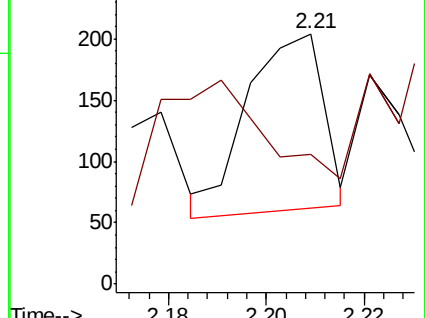
56 100

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

Allyl chloride

Concen: 8.069 ug/l

RT: 2.68 min Scan# 262

Delta R.T. -0.02 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

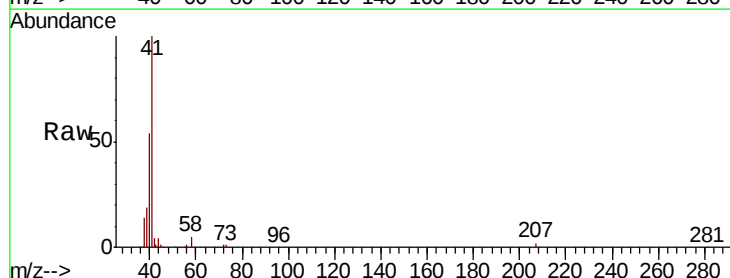
Tgt Ion: 41 Resp: 38150

Ion Ratio Lower Upper

41 100

39 20.4 49.4 74.2#

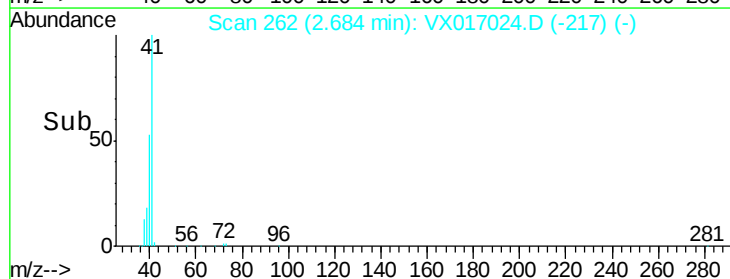
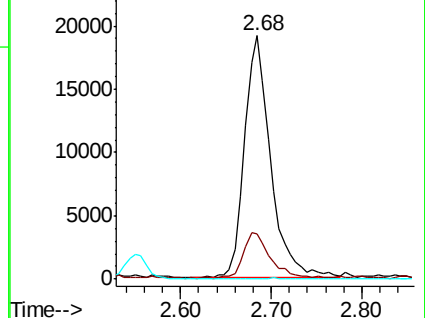
76 0.0 26.8 40.2#

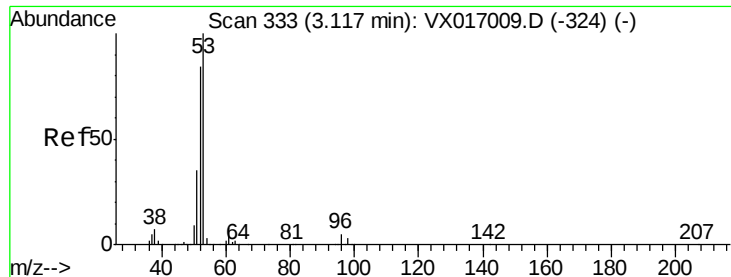


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 17.934 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.10 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

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200624026-02-VOA

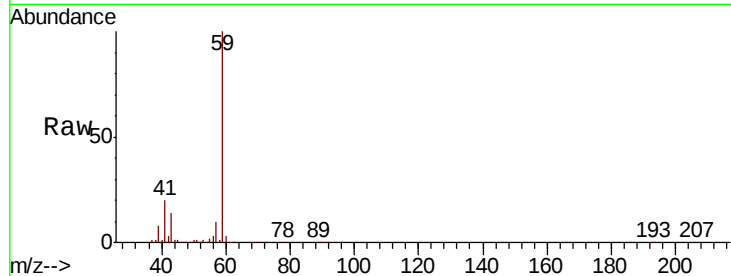
Tot Ion: 53 Resp: 26218

Ion Ratio Lower Upper

53 100

52 23.3 65.6 98.4#

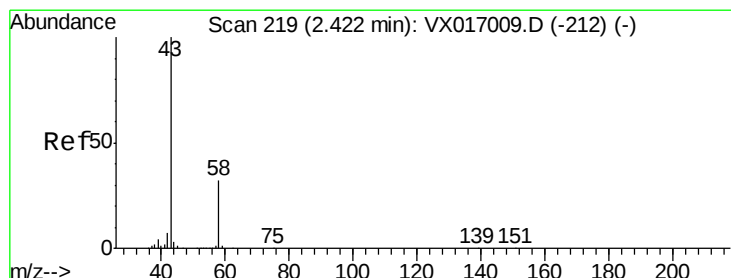
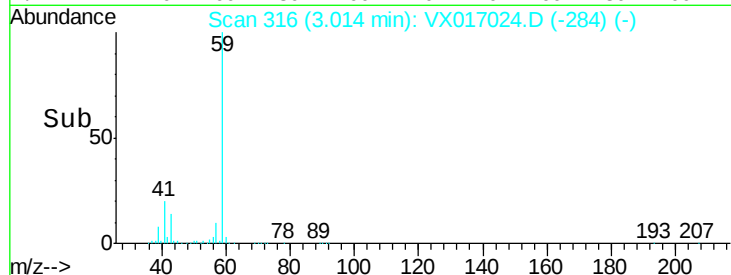
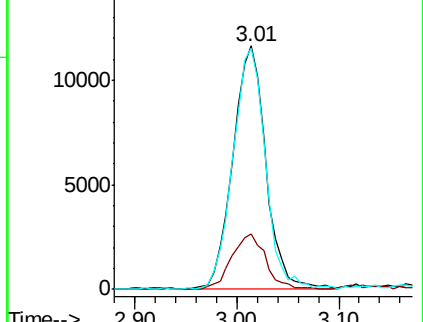
51 97.2 28.3 42.5#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 7.057 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017024.D

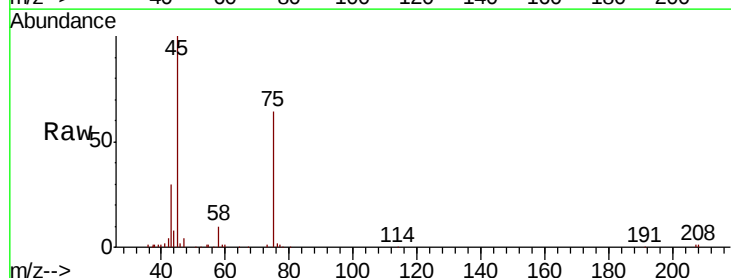
Acq: 29 Jun 2020 21:57

Tgt Ion: 43 Resp: 8415

Ion Ratio Lower Upper

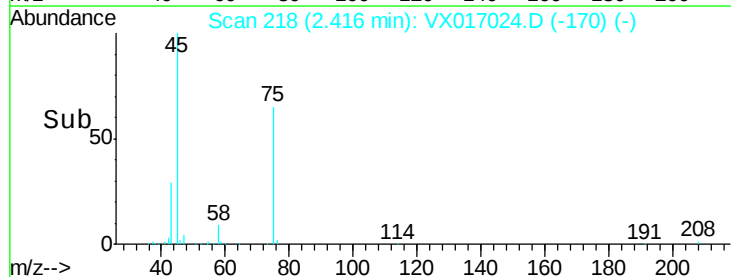
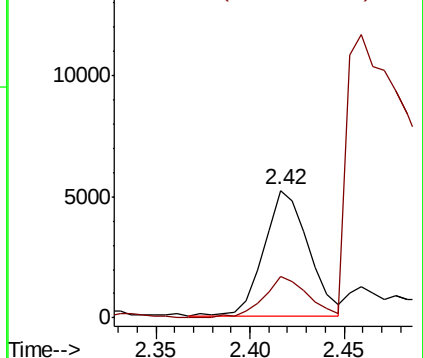
43 100

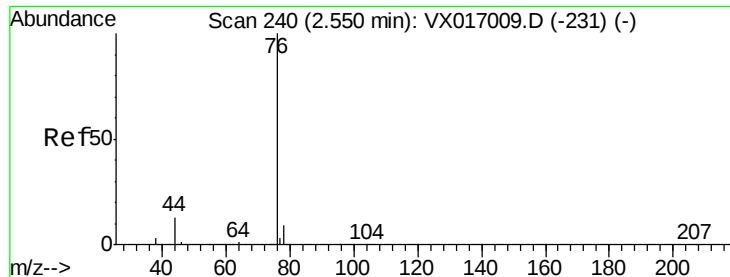
58 32.8 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.481 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

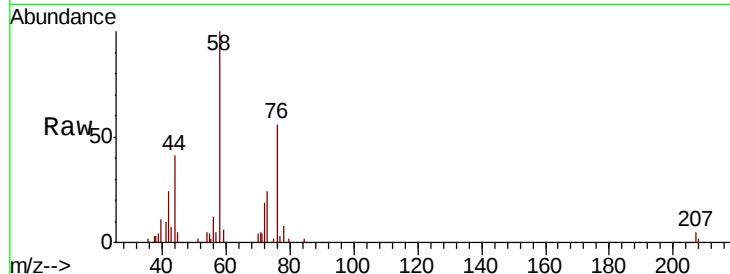
200624026-02-VOA

Tot Ion: 76 Resp: 3273

Ion Ratio Lower Upper

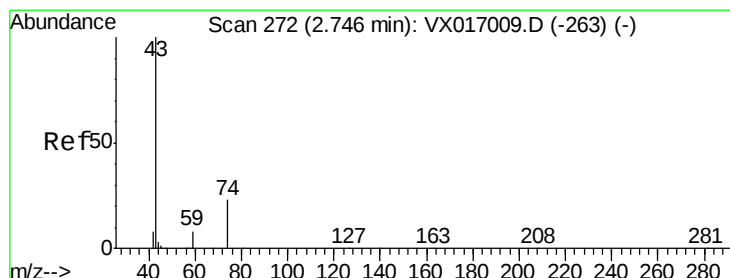
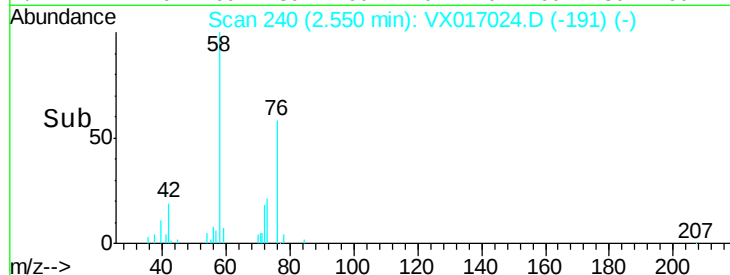
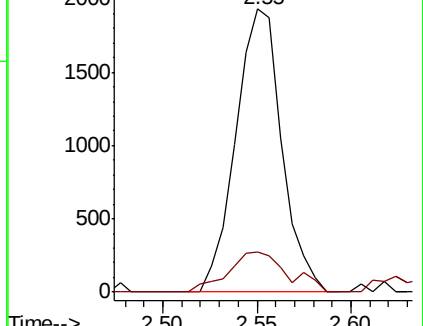
76 100

78 14.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 109.502 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.27 min

Lab File: VX017024.D

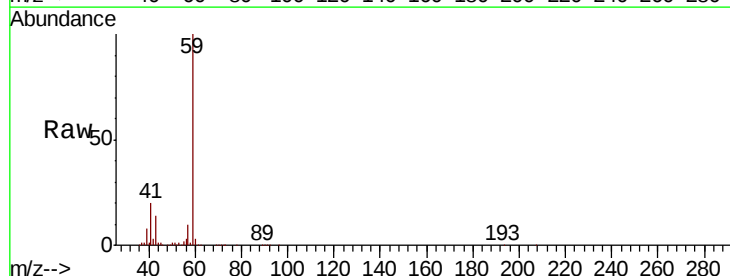
Acq: 29 Jun 2020 21:57

Tgt Ion: 43 Resp: 340879

Ion Ratio Lower Upper

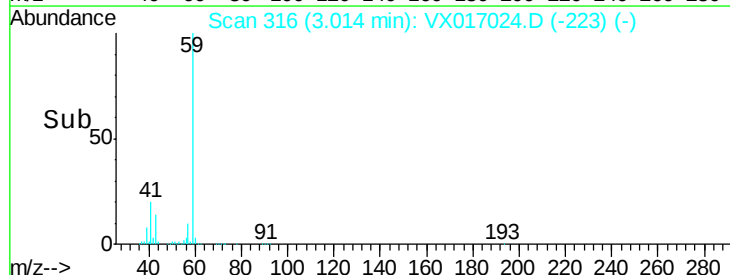
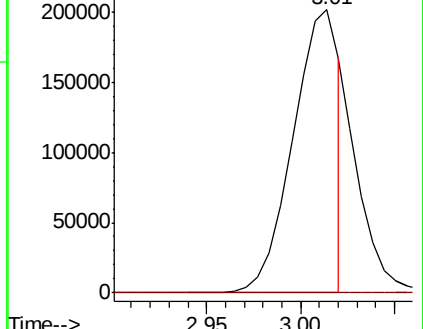
43 100

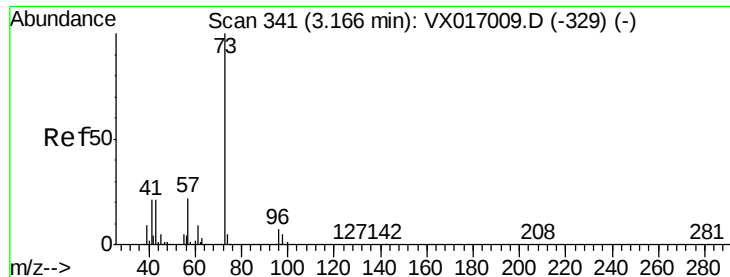
74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



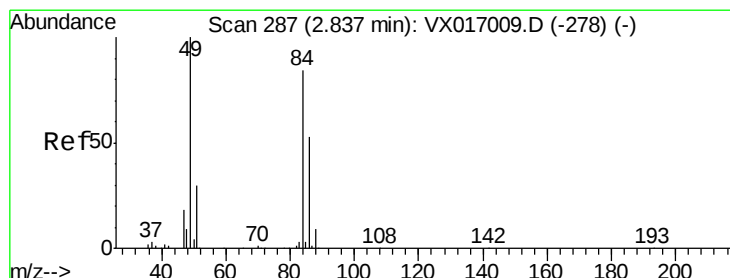
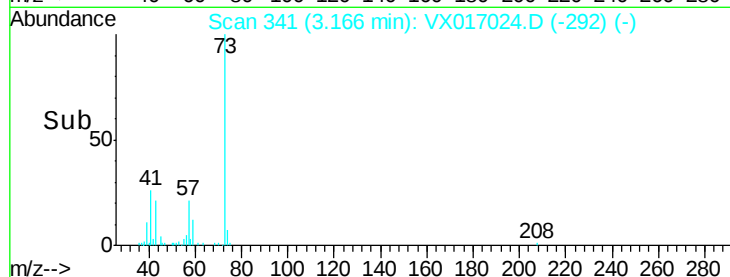
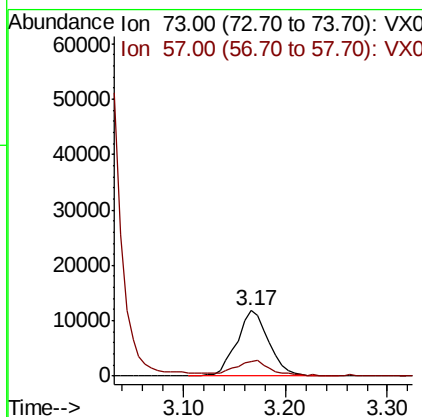
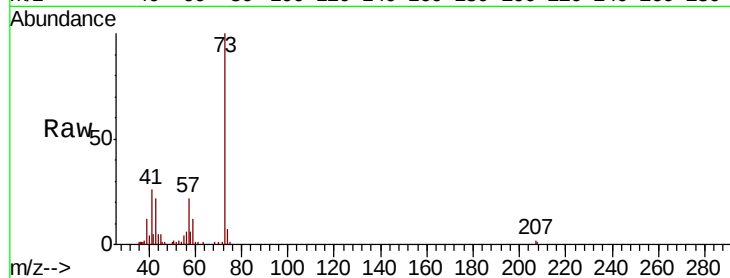


#19

Methyl tert-butyl Ether
 Concen: 2.975 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

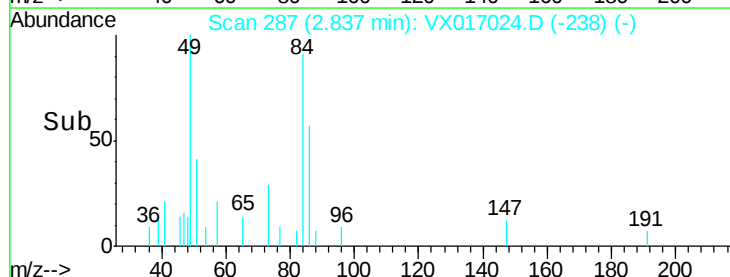
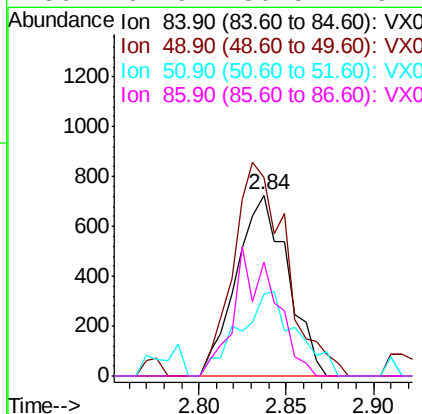
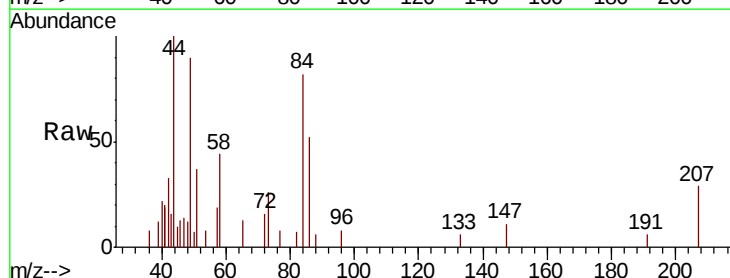
Tot Ion: 73 Resp: 25544
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.6 26.4

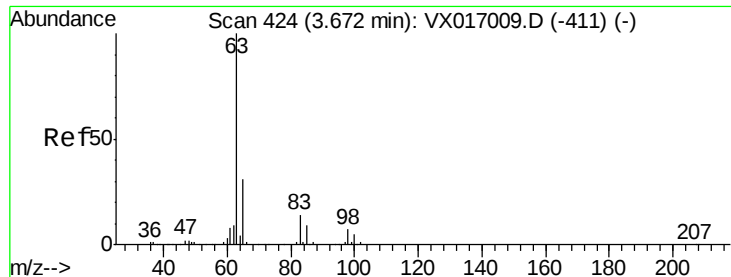


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Tgt Ion: 84 Resp: 1489
 Ion Ratio Lower Upper
 84 100
 49 110.1 94.7 142.1
 51 45.1 28.6 42.8#
 86 62.9 50.5 75.7





#24

1,1-Dichloroethane

Concen: 0.241 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

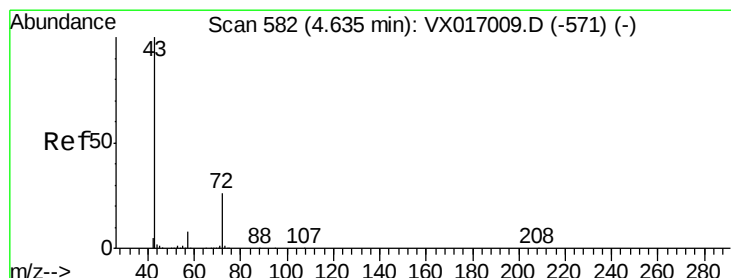
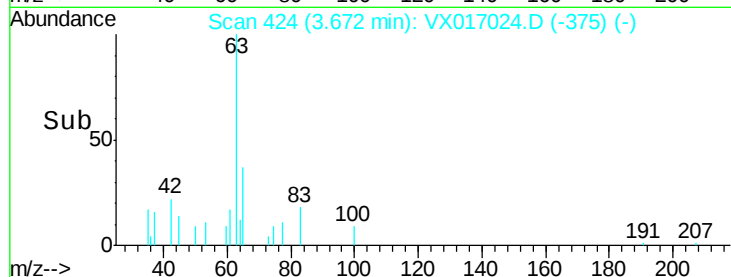
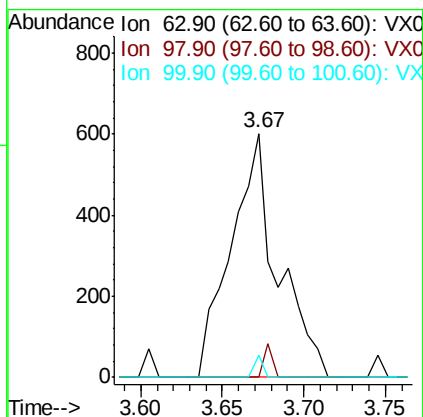
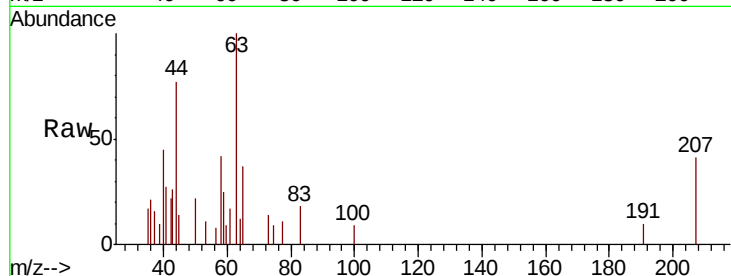
Tot Ion: 63 Resp: 1202

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.8#

100 9.2 2.4 7.1#



#25

2-Butanone

Concen: 57.679 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.03 min

Lab File: VX017024.D

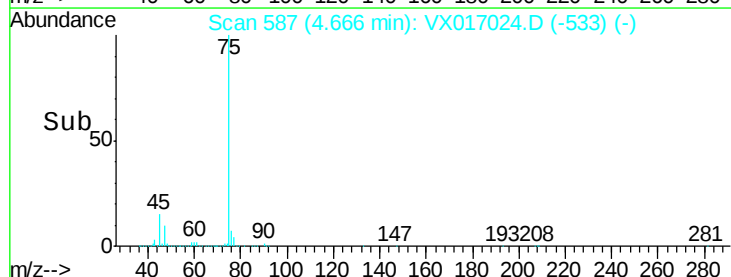
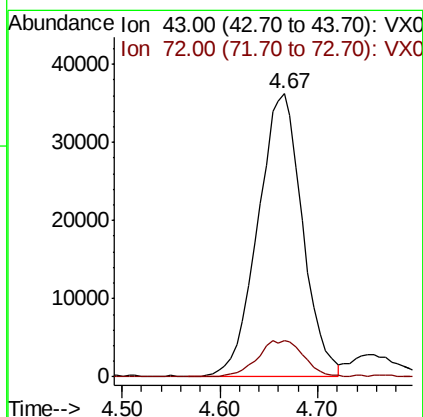
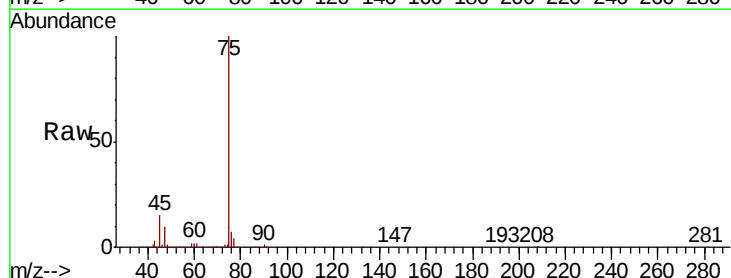
Acq: 29 Jun 2020 21:57

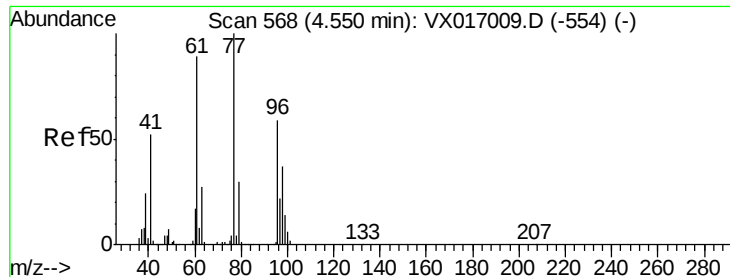
Tgt Ion: 43 Resp: 114607

Ion Ratio Lower Upper

43 100

72 13.0 20.8 31.2#





#26

2,2-Dichloropropane

Concen: 37.841 ug/l

RT: 4.67 min Scan# 587

Delta R.T. 0.12 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

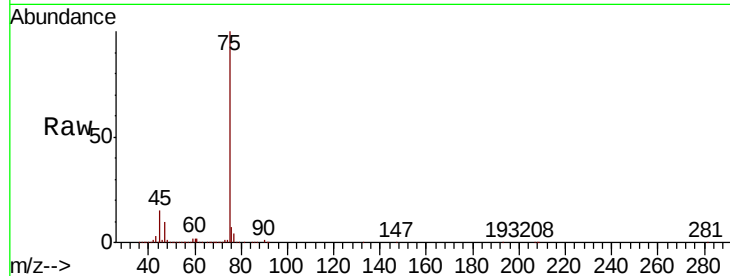
200624026-02-VOA

Tot Ion: 77 Resp: 167290

Ion Ratio Lower Upper

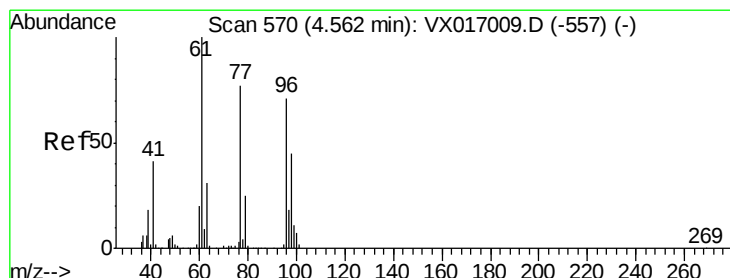
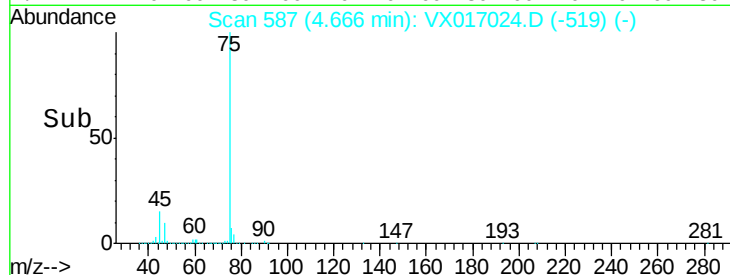
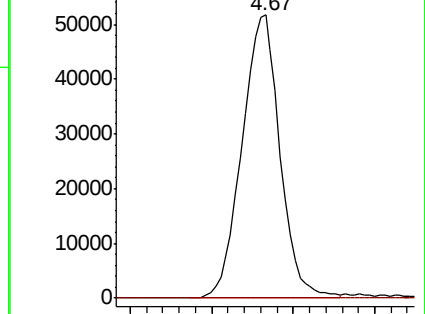
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.892 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

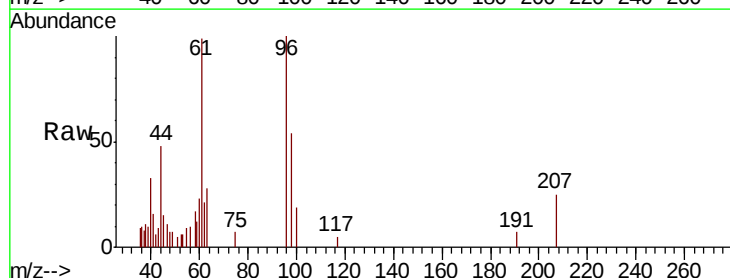
Tgt Ion: 96 Resp: 2869

Ion Ratio Lower Upper

96 100

61 107.5 0.0 282.8

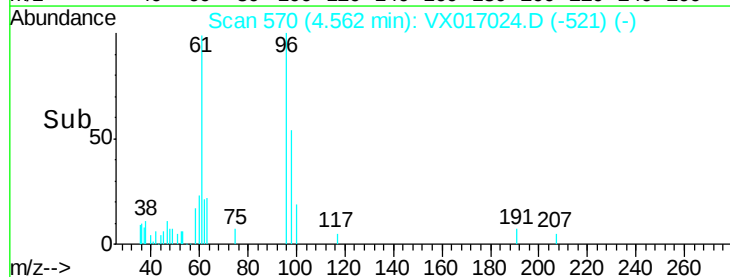
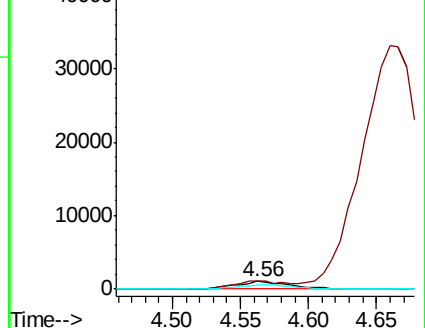
98 60.4 0.0 127.6

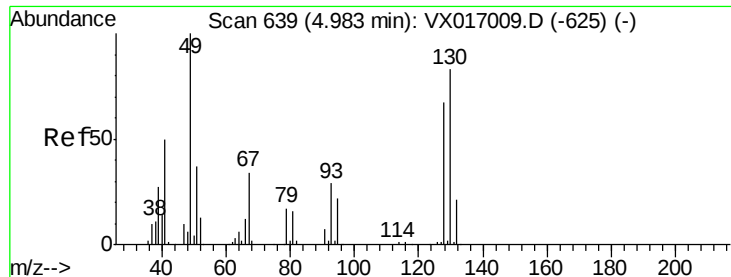


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

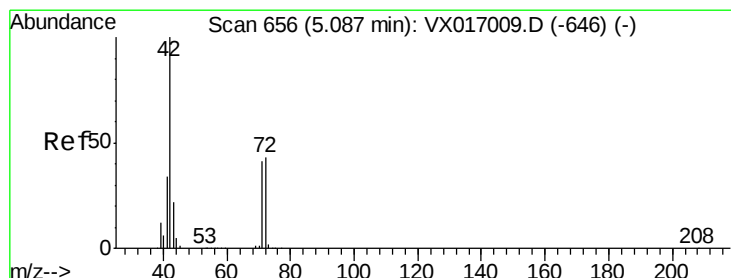
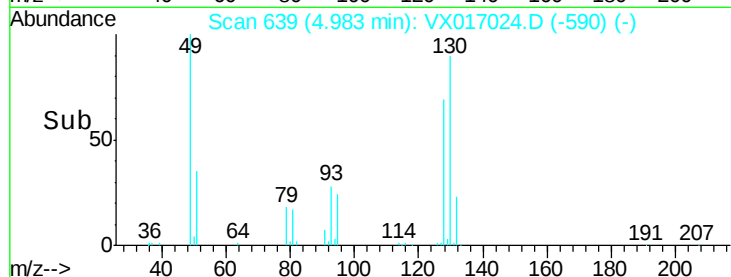
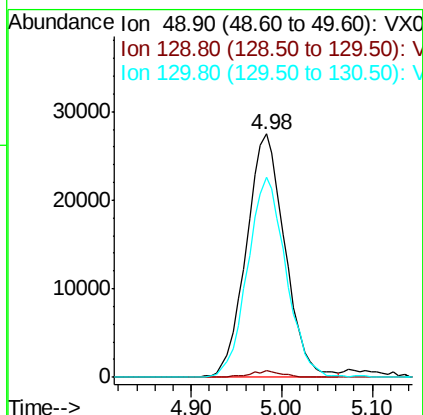
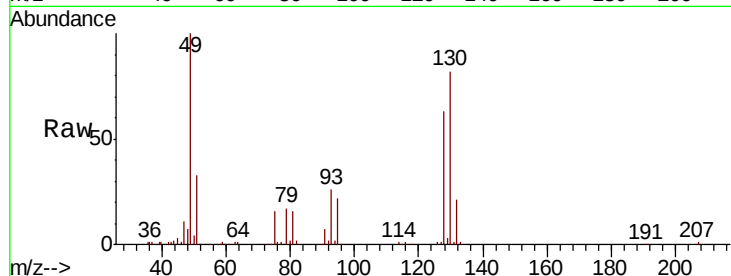




#28
Bromochloromethane
Concen: 33.362 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

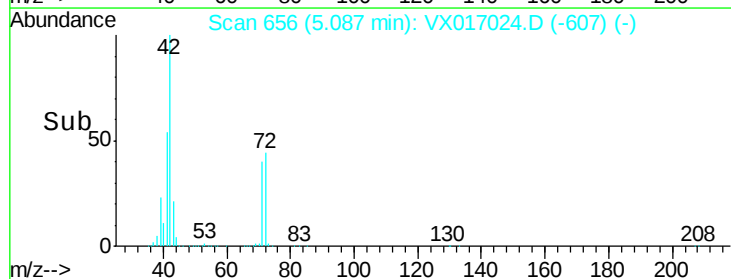
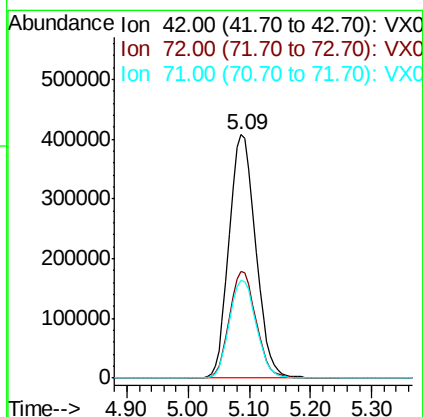
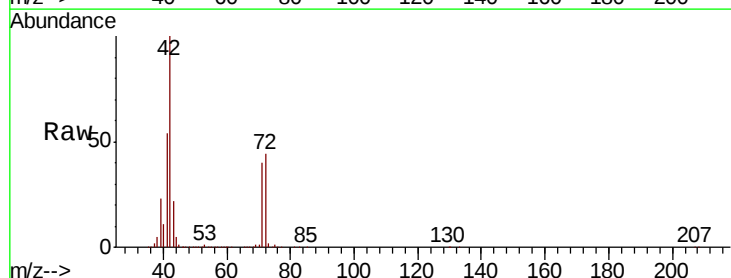
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

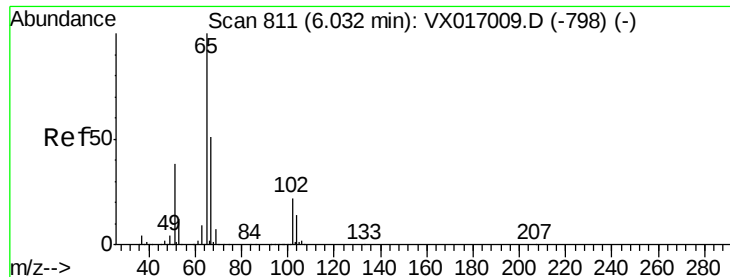
Tot Ion: 49 Resp: 80830
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.2
130 81.8 66.6 100.0



#29
Tetrahydrofuran
Concen: 930.453 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion: 42 Resp: 1221544
Ion Ratio Lower Upper
42 100
72 43.6 35.3 52.9
71 40.6 33.1 49.7





#33

1,2-Dichloroethane-d4

Concen: 86.336 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

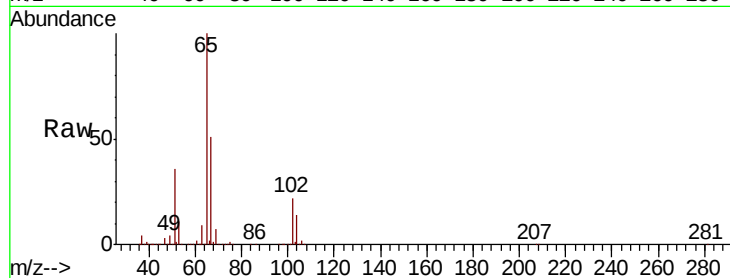
200624026-02-VOA

Tot Ion: 65 Resp: 275212

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

120000

100000

80000

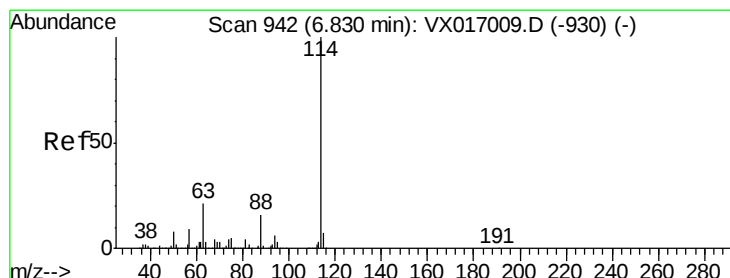
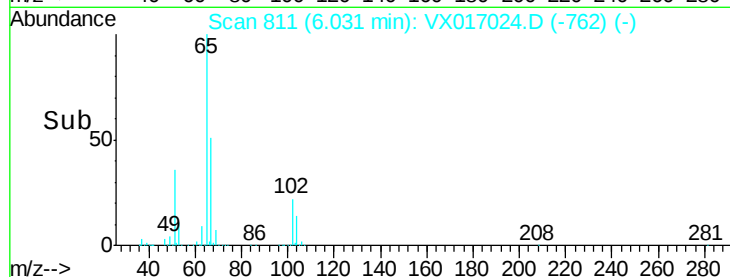
60000

40000

20000

0

Time--> 5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

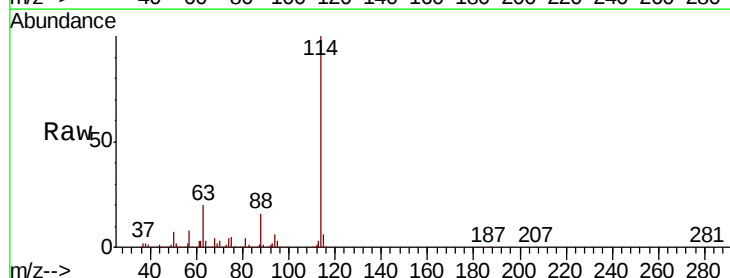
Tgt Ion: 114 Resp: 735134

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

88 15.8 0.0 32.4



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

6.83

400000

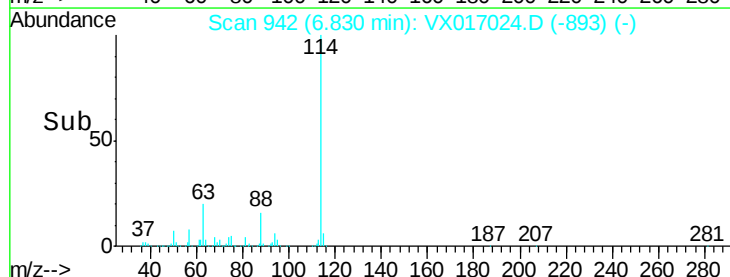
300000

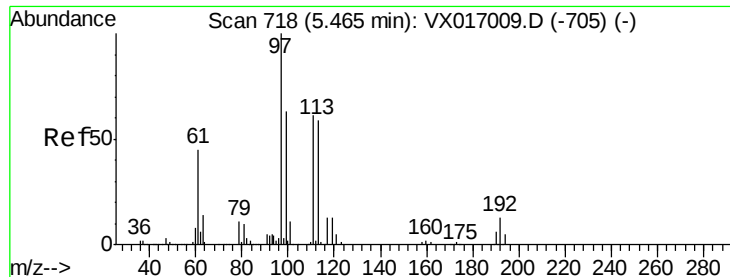
200000

100000

0

Time--> 6.70 6.80 6.90 7.00

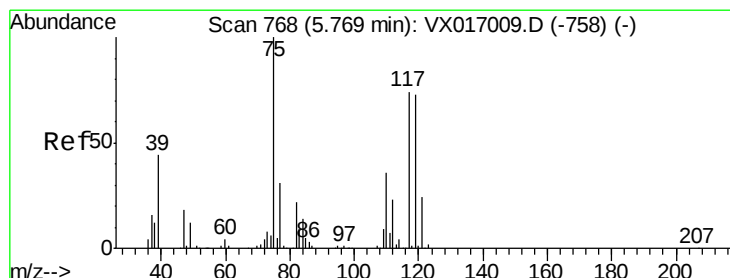
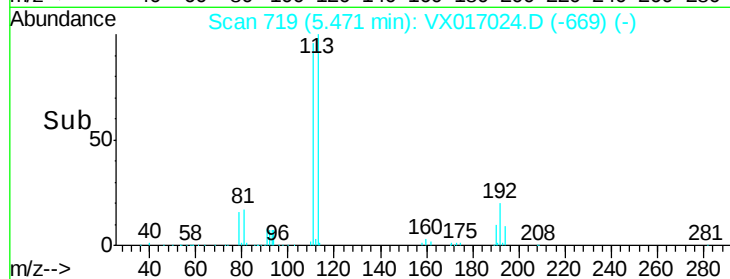
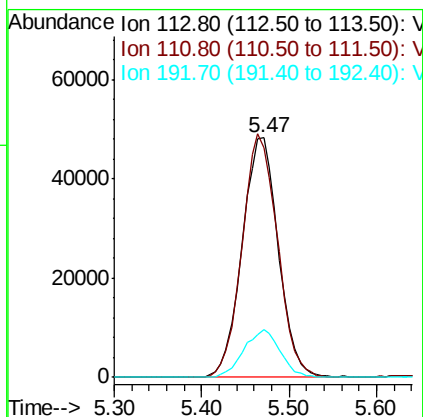
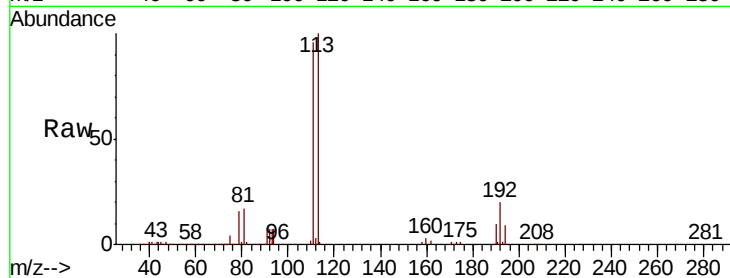




#35
 Dibromofluoromethane
 Concen: 29.847 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

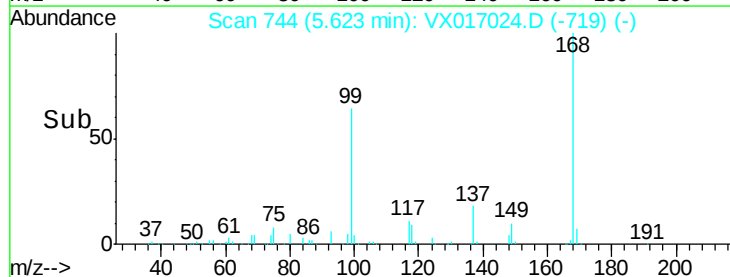
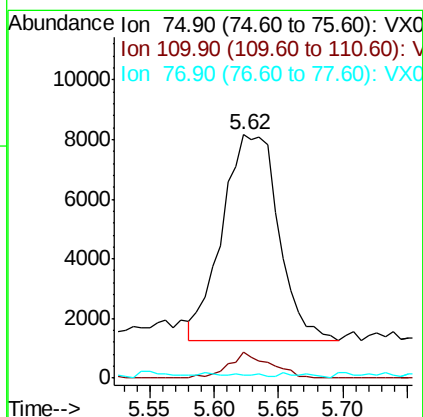
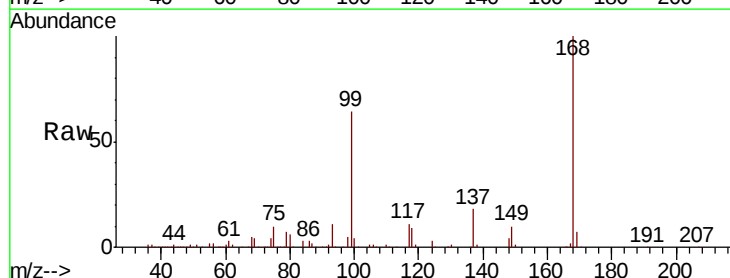
Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

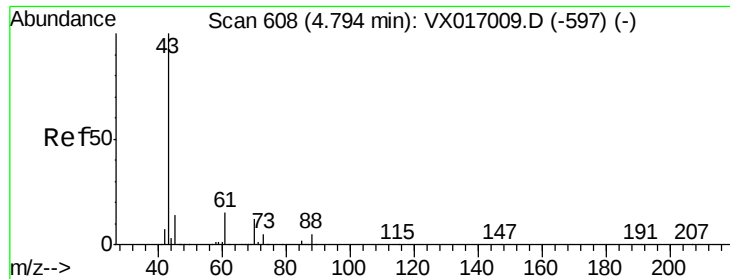
Tot Ion:113 Resp: 138797
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.9 122.9
 192 20.0 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 2.999 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Tgt Ion: 75 Resp: 20834
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.1#
 77 0.0 24.6 37.0#

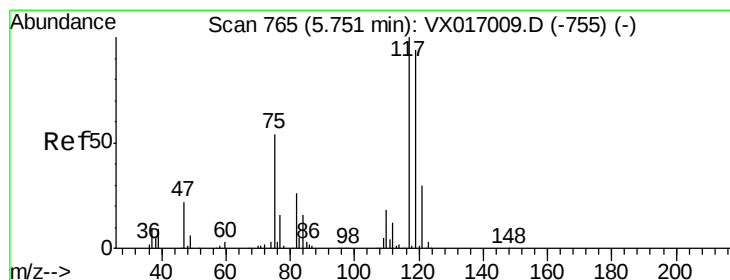
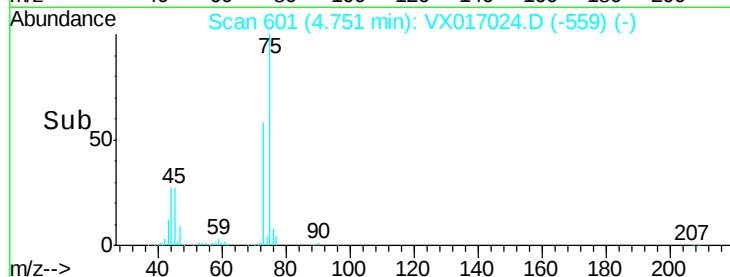
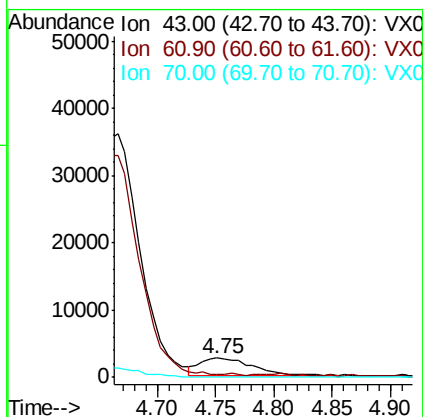
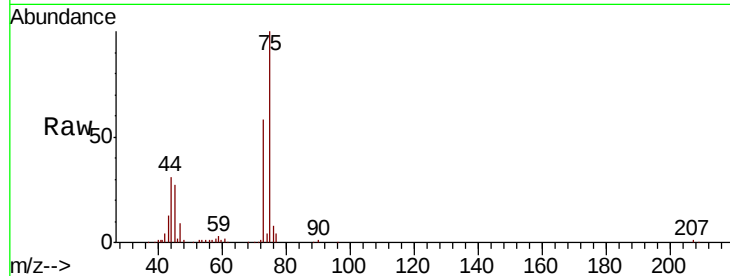




#37
Ethyl Acetate
Concen: 1.220 ug/l
RT: 4.75 min Scan# 601
Delta R.T. -0.04 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

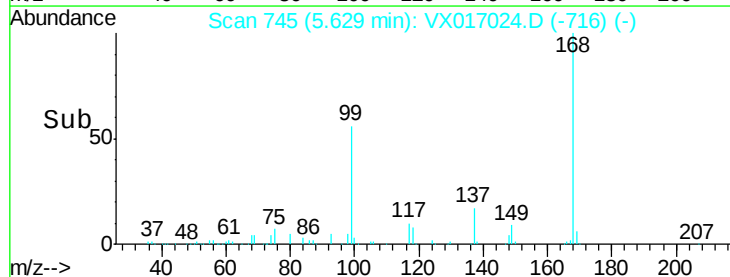
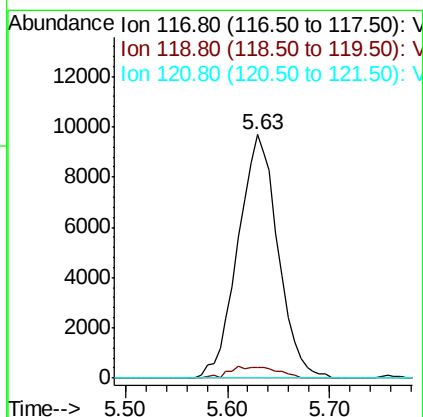
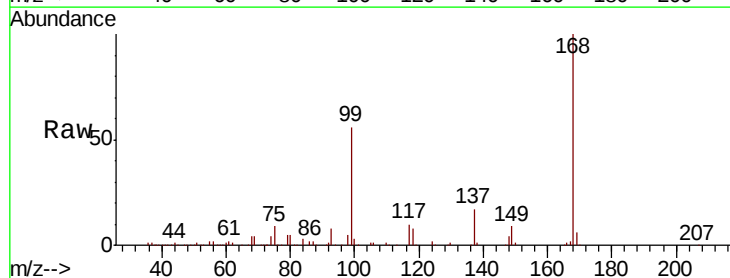
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

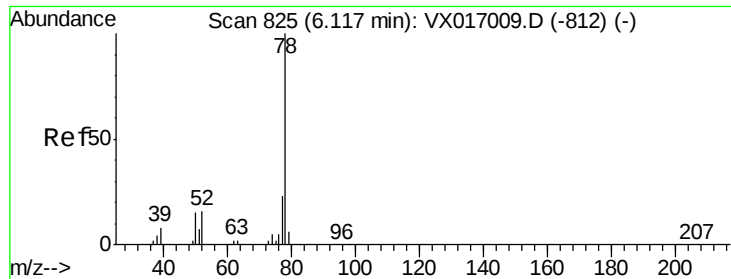
Tot Ion: 43 Resp: 8597
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 3.445 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion: 117 Resp: 26367
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.0#
121 0.0 23.8 35.6#

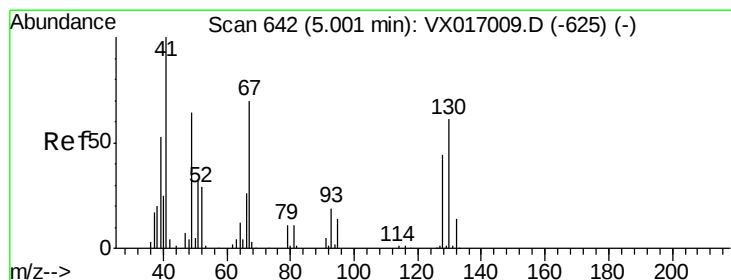
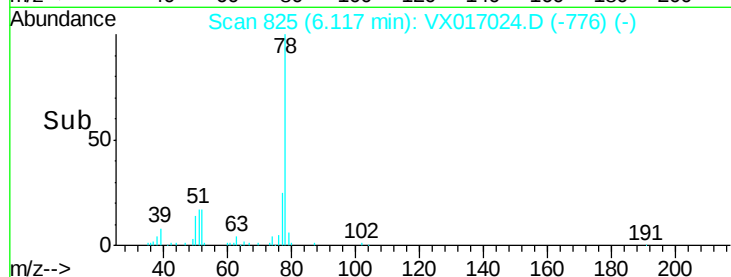
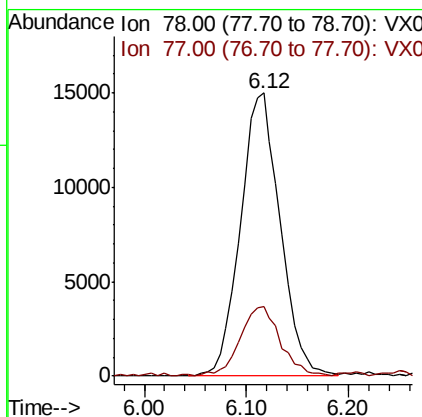
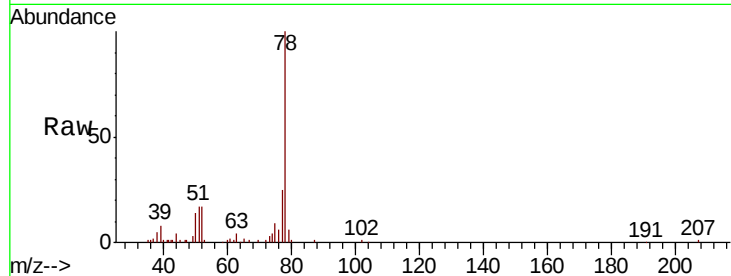




#40
Benzene
Concen: 1.988 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

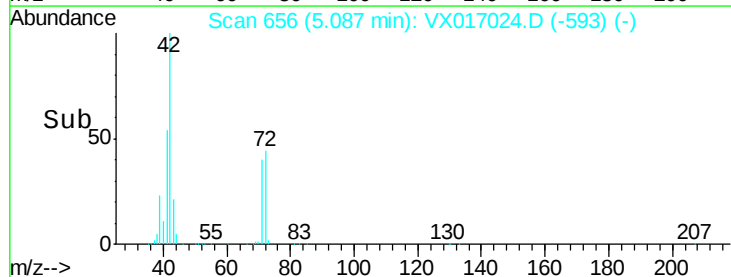
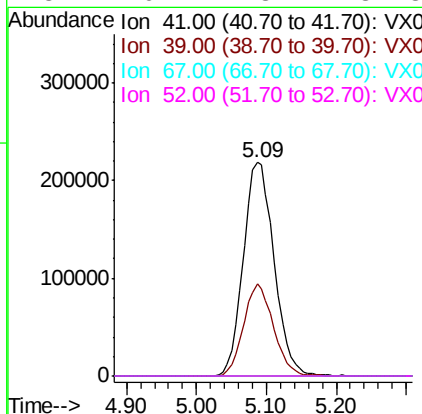
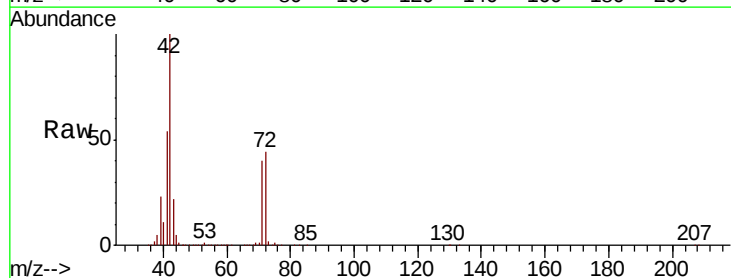
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

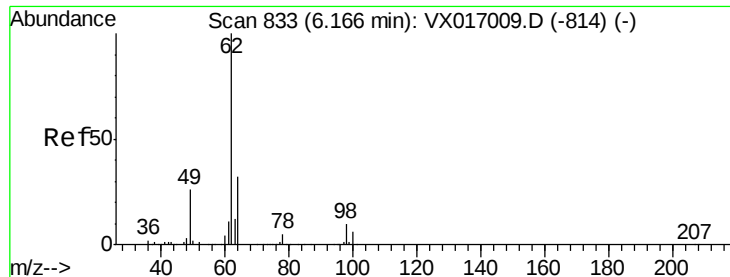
Tot Ion: 78 Resp: 40584
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5



#41
Methacrylonitrile
Concen: 168.138 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.09 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion: 41 Resp: 667101
Ion Ratio Lower Upper
41 100
39 41.8 44.4 66.6#
67 0.0 57.1 85.7#
52 0.2 23.2 34.8#





#42

1,2-Dichloroethane

Concen: 0.503 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

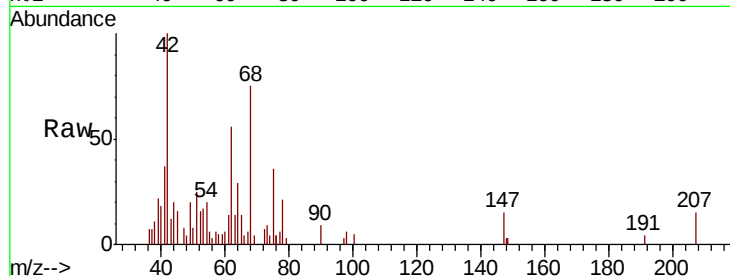
200624026-02-VOA

Tot Ion: 62 Resp: 3706

Ion Ratio Lower Upper

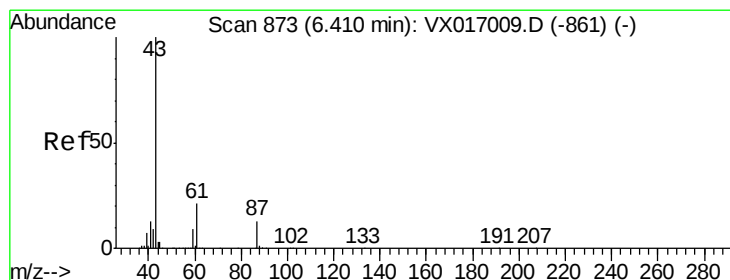
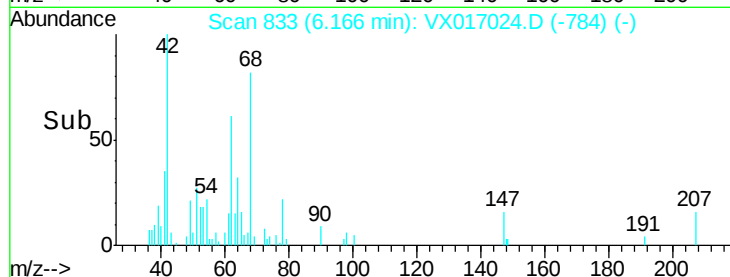
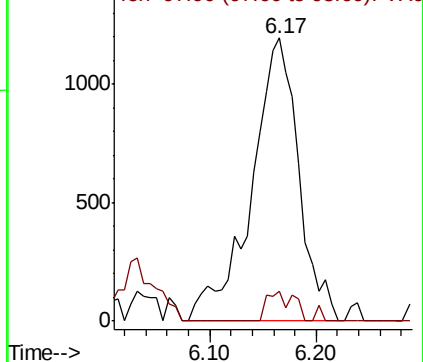
62 100

98 5.9 0.0 19.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#43

Isopropyl Acetate

Concen: 0.351 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

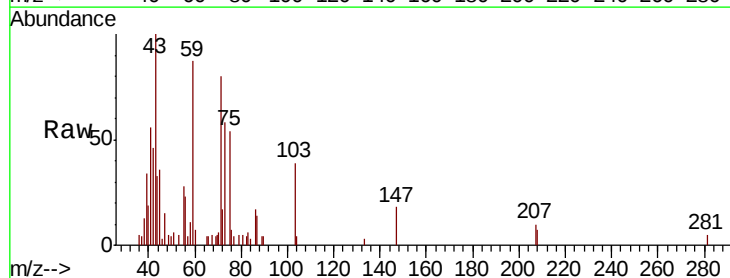
Tgt Ion: 43 Resp: 4108

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

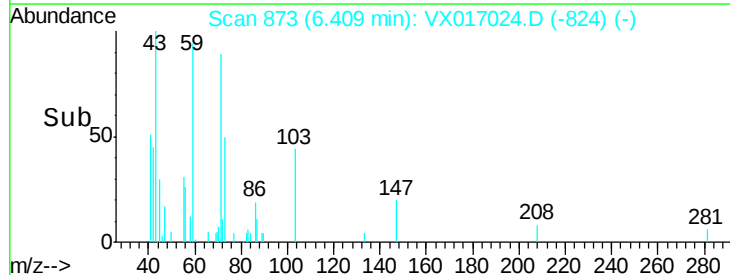
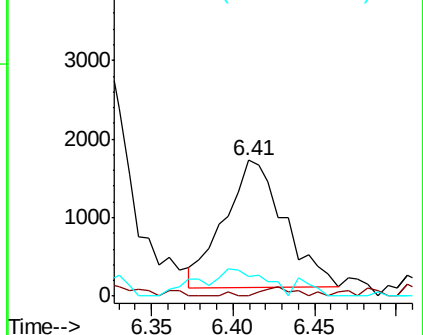
87 23.0 10.7 16.1#

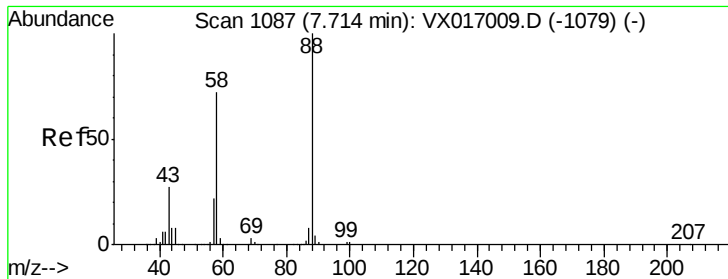


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

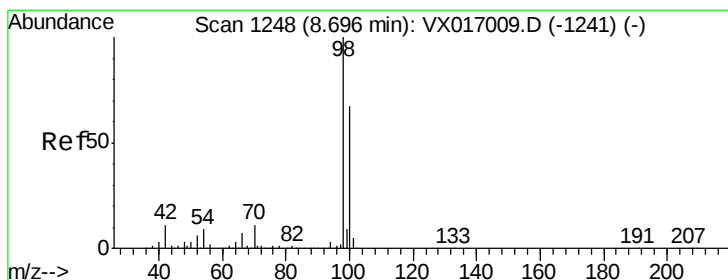
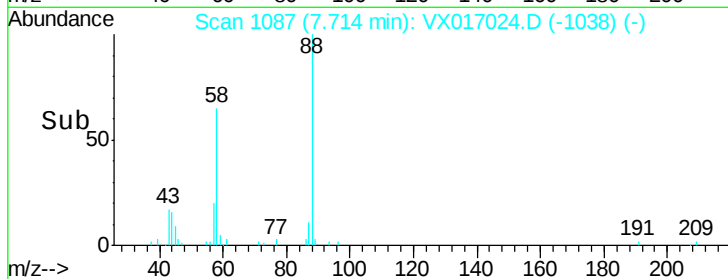
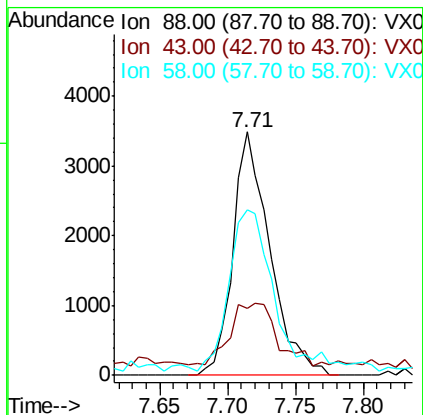
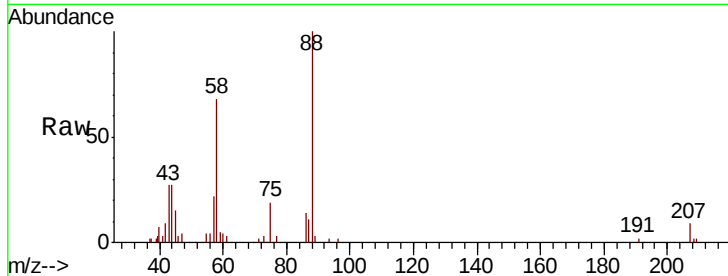




#49
1,4-Dioxane
Concen: 52.371 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

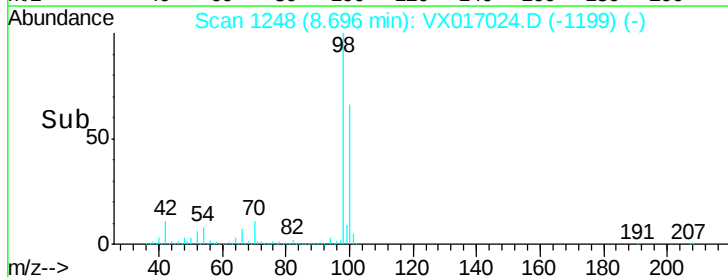
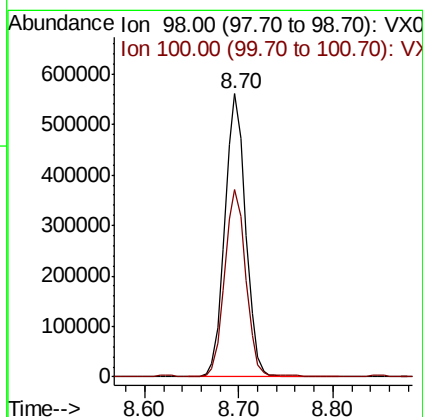
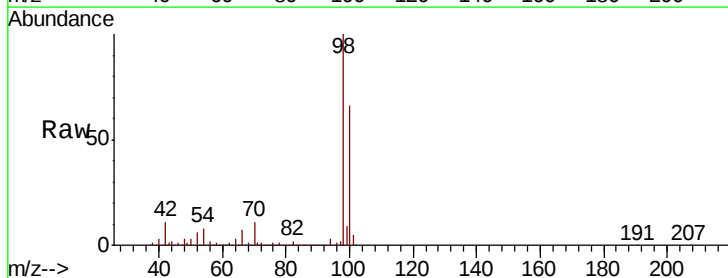
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

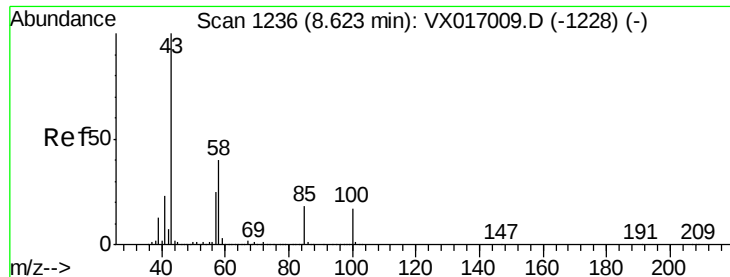
Tot Ion: 88 Resp: 6603
Ion Ratio Lower Upper
88 100
43 31.2 25.8 38.8
58 79.2 54.8 82.2



#50
Toluene-d8
Concen: 49.975 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion: 98 Resp: 859357
Ion Ratio Lower Upper
98 100
100 66.8 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 7.208 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

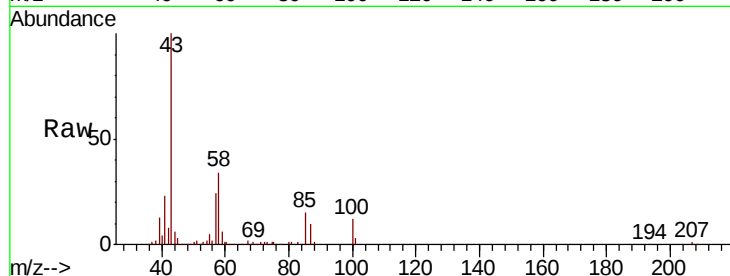
200624026-02-VOA

Tot Ion: 43 Resp: 50330

Ion Ratio Lower Upper

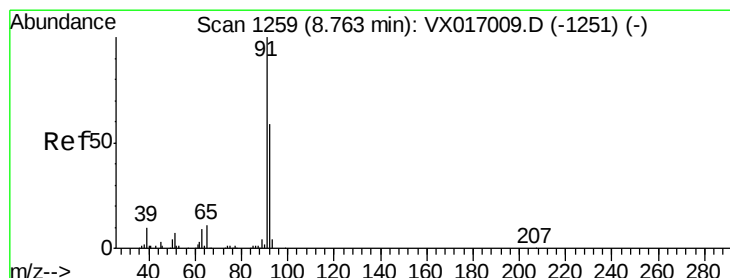
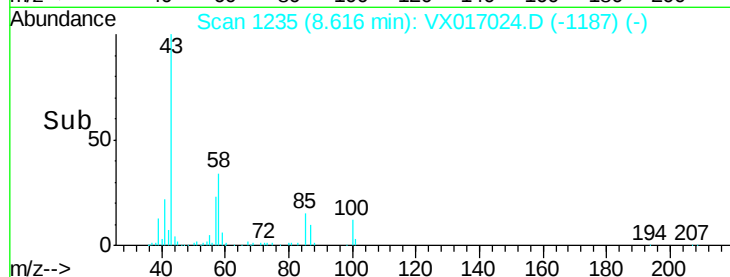
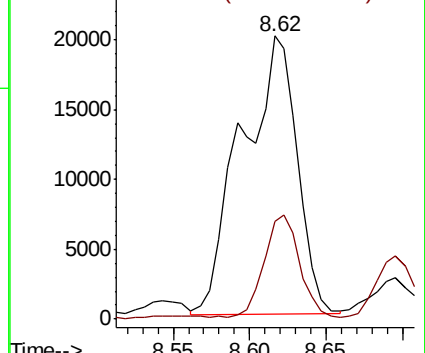
43 100

58 24.4 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: 3.264 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017024.D

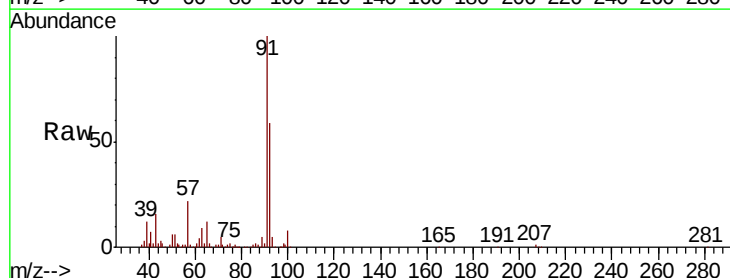
Acq: 29 Jun 2020 21:57

Tgt Ion: 92 Resp: 41596

Ion Ratio Lower Upper

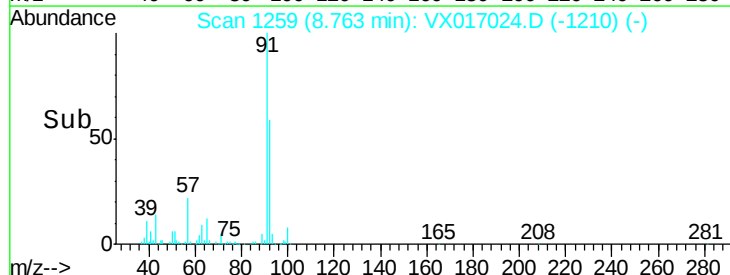
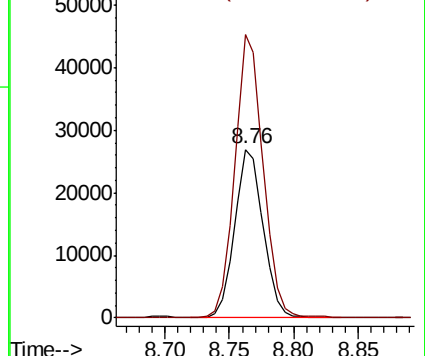
92 100

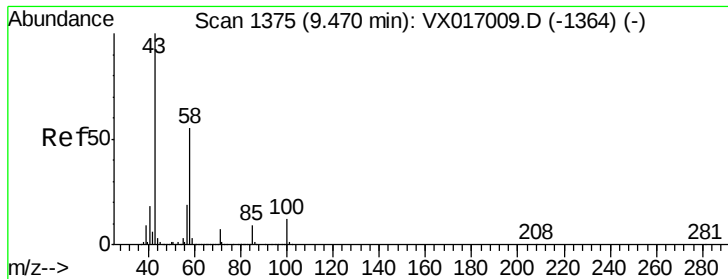
91 166.9 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

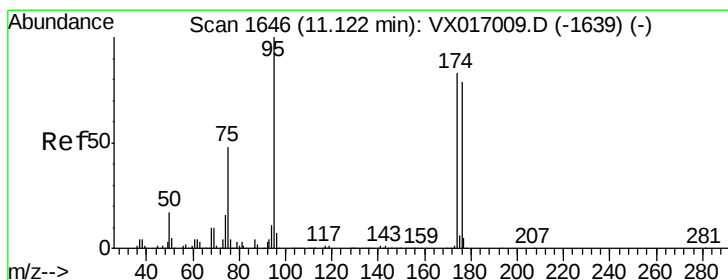
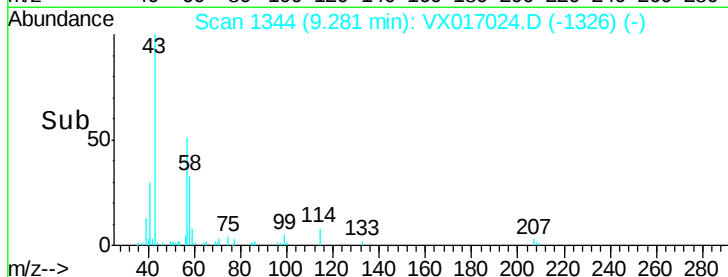
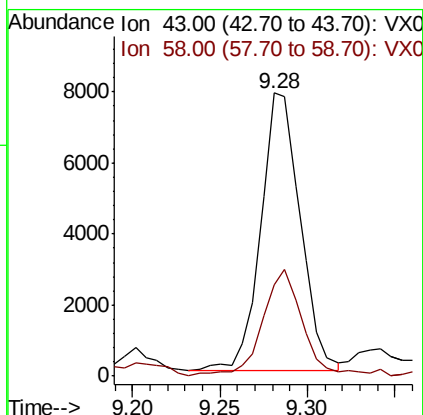
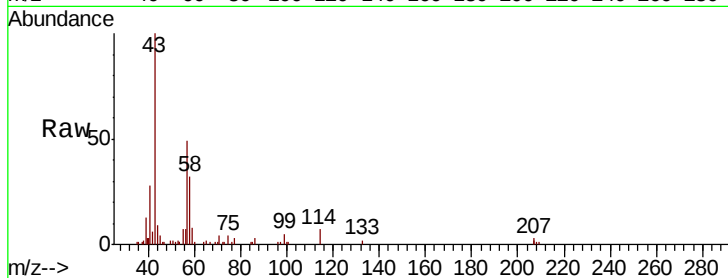




#59
2-Hexanone
Concen: 2.389 ug/l
RT: 9.28 min Scan# 1344
Delta R.T. -0.19 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

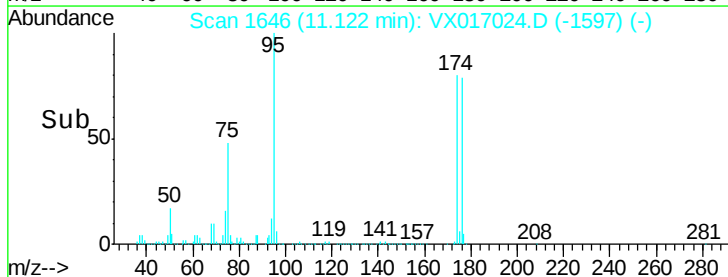
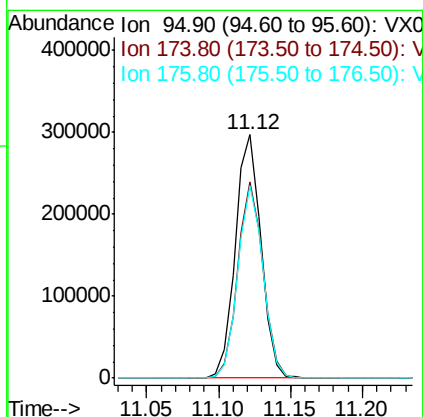
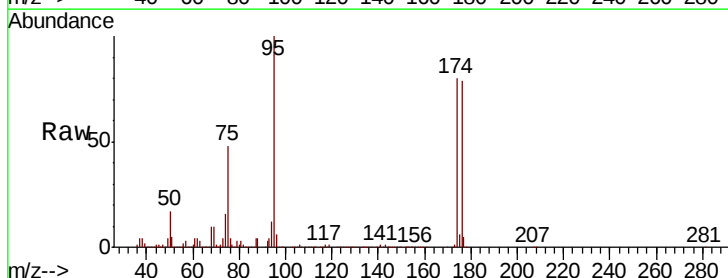
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

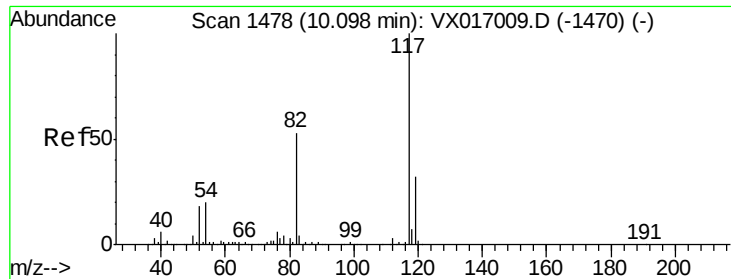
Tot Ion: 43 Resp: 12182
Ion Ratio Lower Upper
43 100
58 40.2 27.9 83.6



#62
4-Bromofluorobenzene
Concen: 55.178 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion: 95 Resp: 370907
Ion Ratio Lower Upper
95 100
174 78.9 0.0 164.0
176 77.3 0.0 157.6

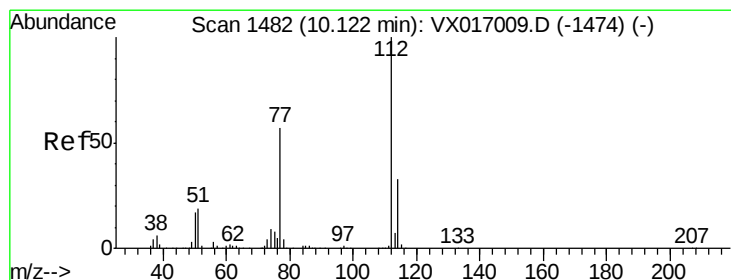
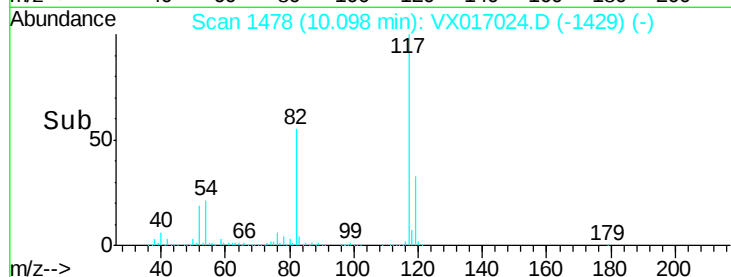
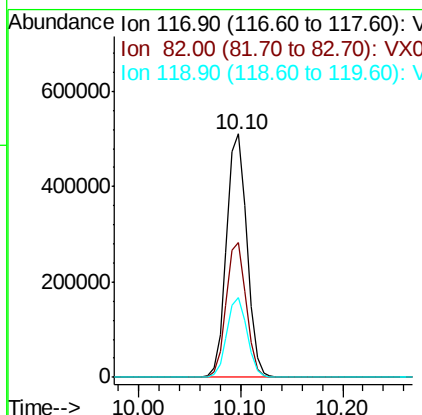
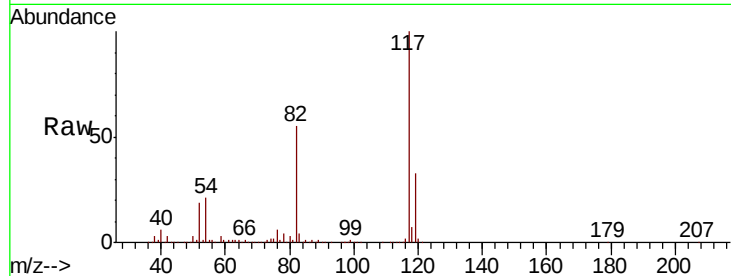




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

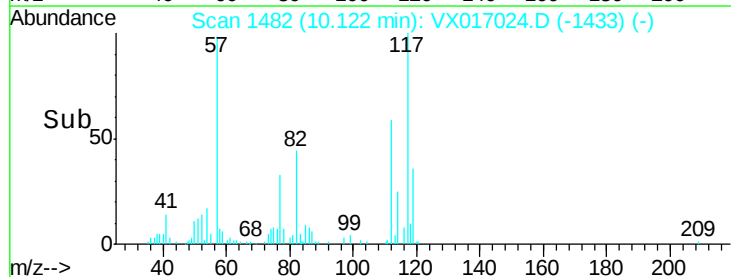
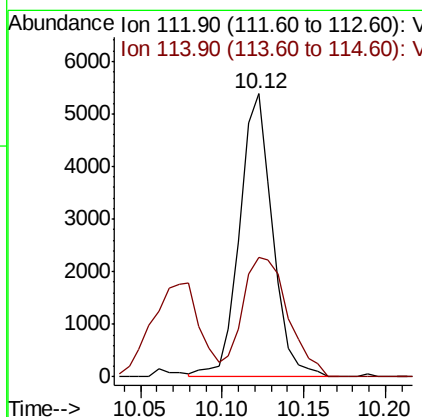
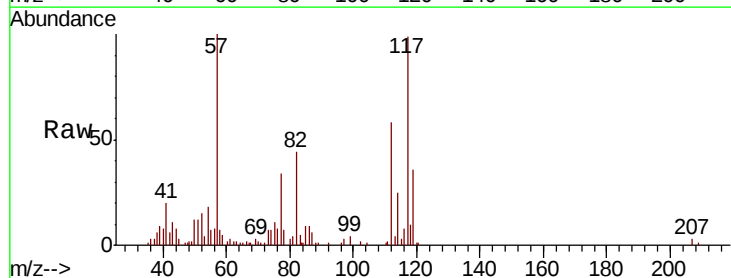
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

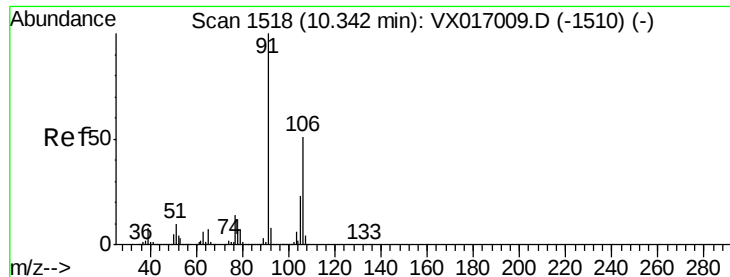
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	42.6	63.8
119	32.8	25.4	38.2



#65
Chlorobenzene
Concen: 0.519 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	42.3	26.2	39.4





#68

m/p-Xylenes

Concen: 4.341 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

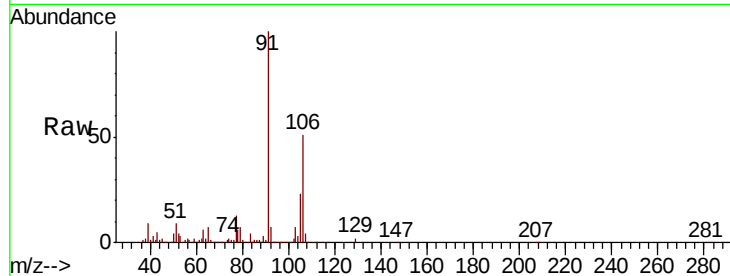
200624026-02-VOA

Tot Ion:106 Resp: 40457

Ion Ratio Lower Upper

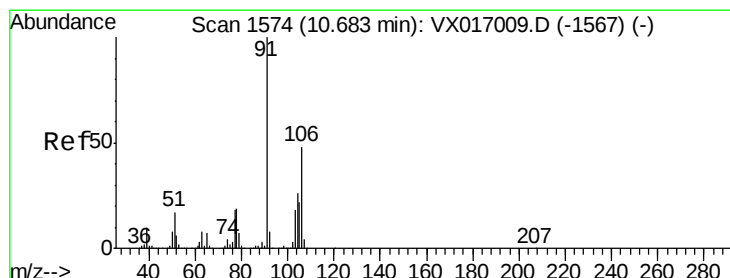
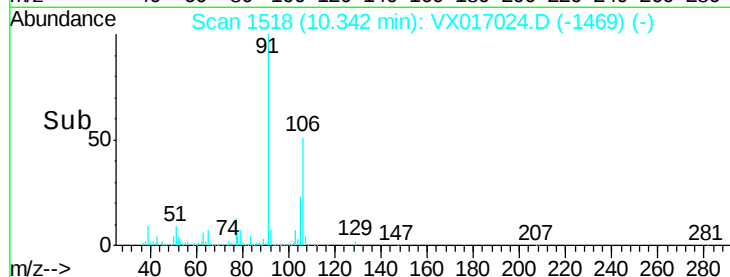
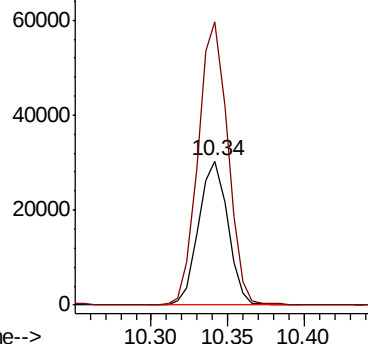
106 100

91 198.5 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 3.239 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017024.D

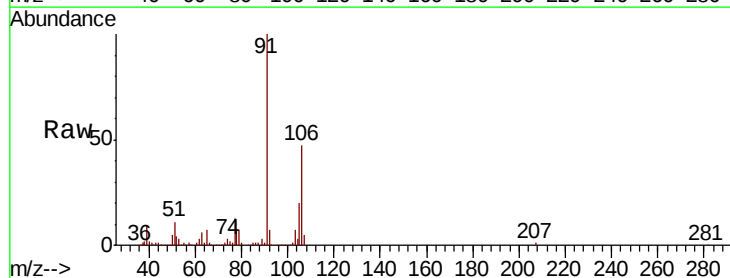
Acq: 29 Jun 2020 21:57

Tgt Ion:106 Resp: 28718

Ion Ratio Lower Upper

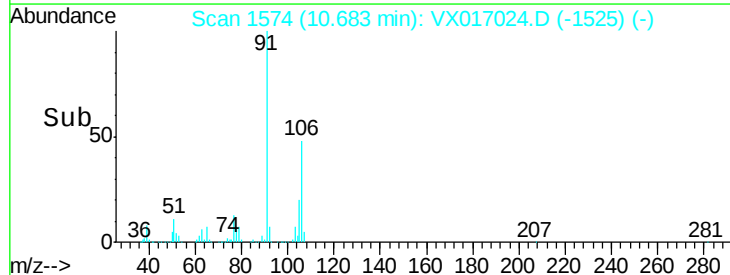
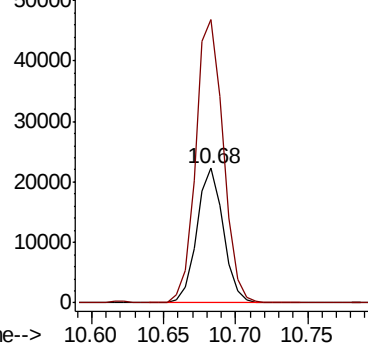
106 100

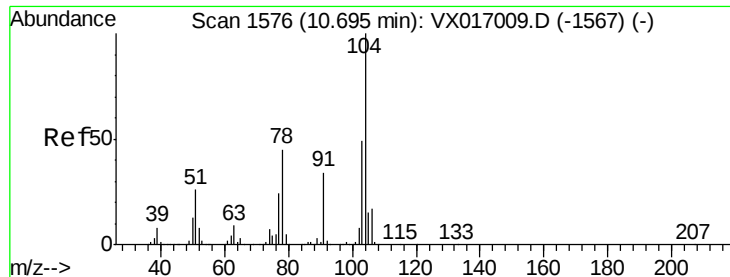
91 217.5 105.6 316.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 0.224 ug/l

RT: 10.69 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

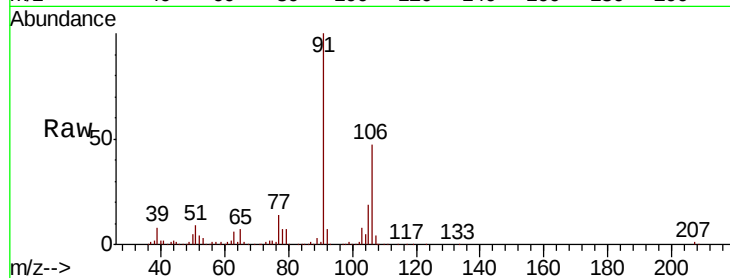
Tot Ion:104 Resp: 3376

Ion Ratio Lower Upper

104 100

78 145.8 39.5 59.3#

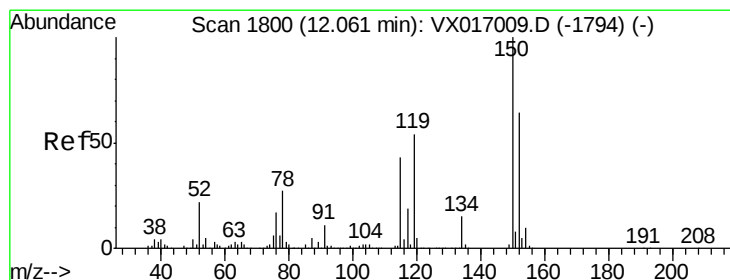
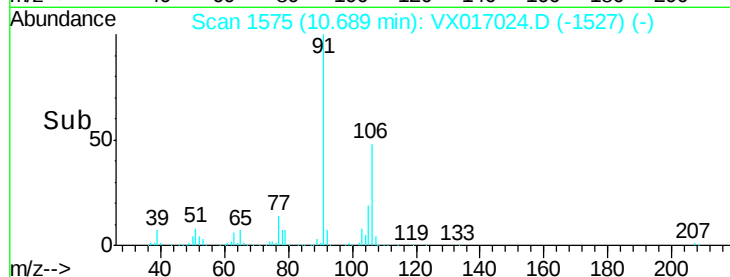
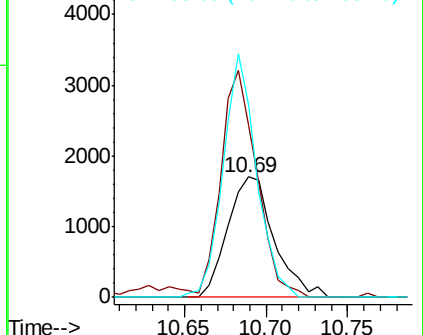
103 145.3 43.0 64.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

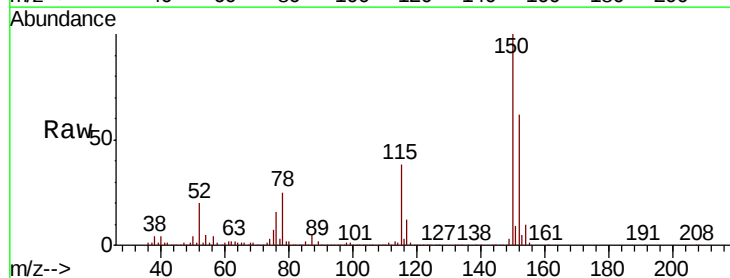
Tgt Ion:152 Resp: 251636

Ion Ratio Lower Upper

152 100

115 58.1 40.9 122.7

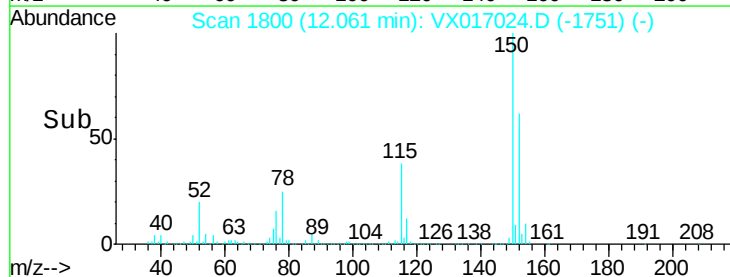
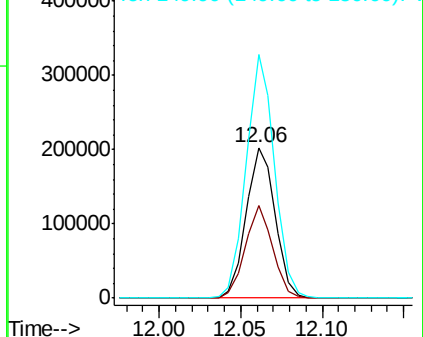
150 157.9 0.0 351.6

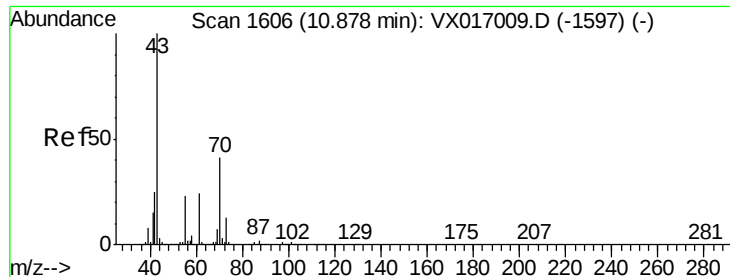


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.802 ug/l

RT: 10.93 min Scan# 1614

Delta R.T. 0.05 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 43 Resp: 5639

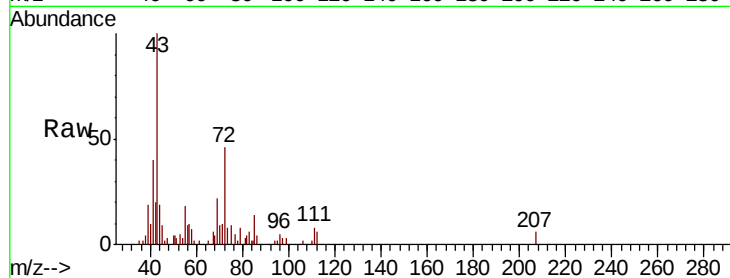
Ion Ratio Lower Upper

43 100

70 9.0 34.2 51.2#

55 21.8 19.2 28.8

61 0.0 19.6 29.4#

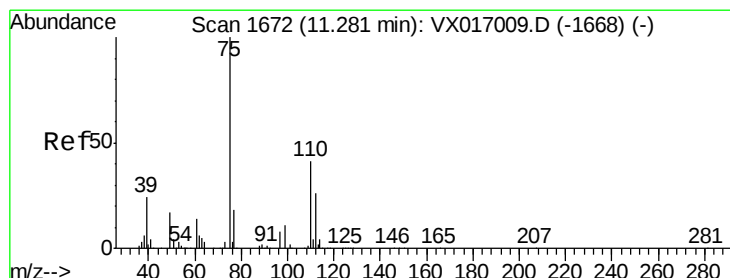
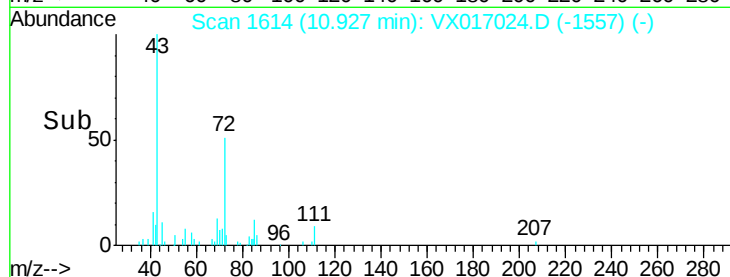
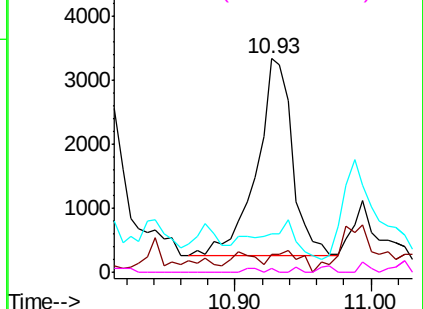


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 36.205 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017024.D

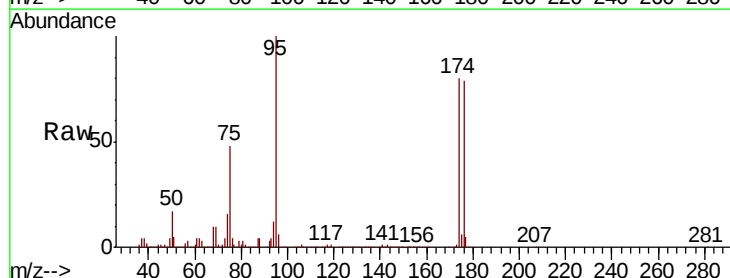
Acq: 29 Jun 2020 21:57

Tgt Ion: 75 Resp: 179150

Ion Ratio Lower Upper

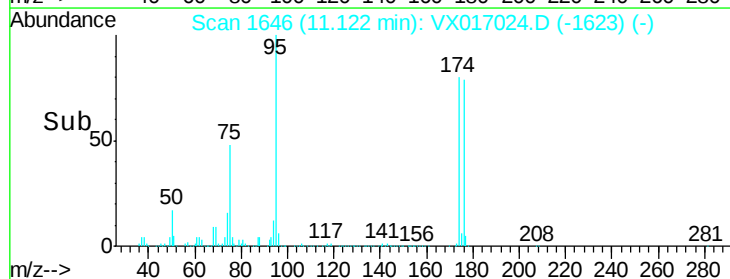
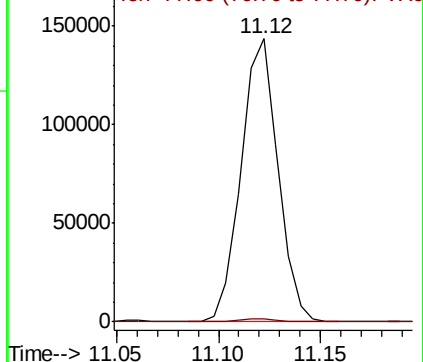
75 100

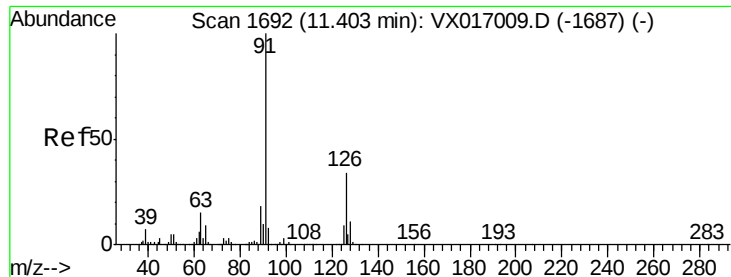
77 1.4 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#79

2-Chlorotoluene

Concen: 0.317 ug/l

RT: 11.41 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

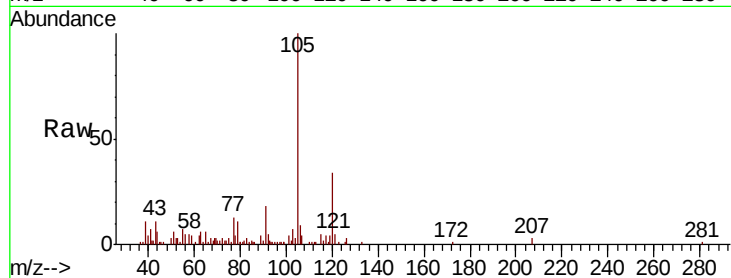
200624026-02-VOA

Tot Ion: 91 Resp: 3575

Ion Ratio Lower Upper

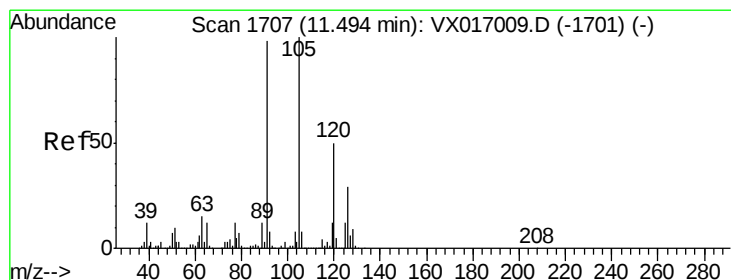
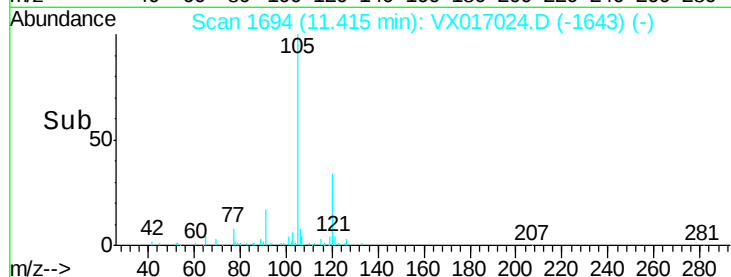
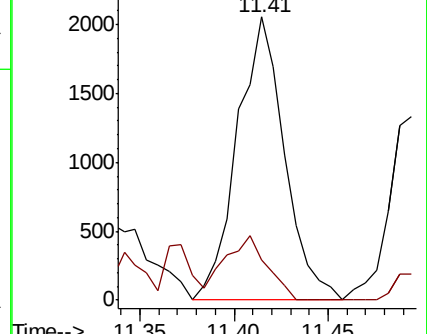
91 100

126 20.1 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: 0.695 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017024.D

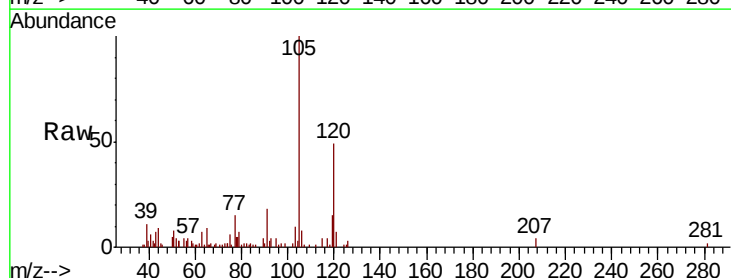
Acq: 29 Jun 2020 21:57

Tgt Ion:105 Resp: 9500

Ion Ratio Lower Upper

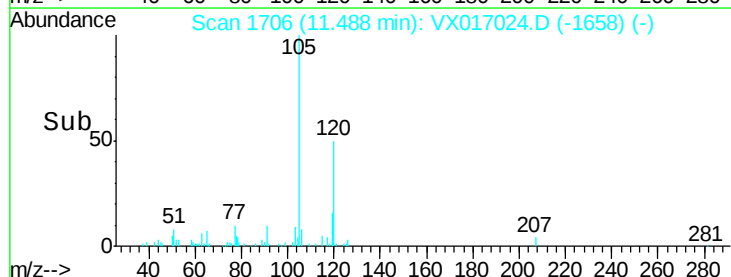
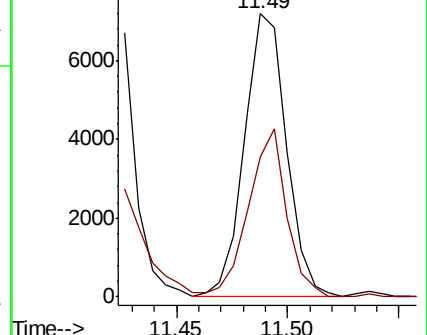
105 100

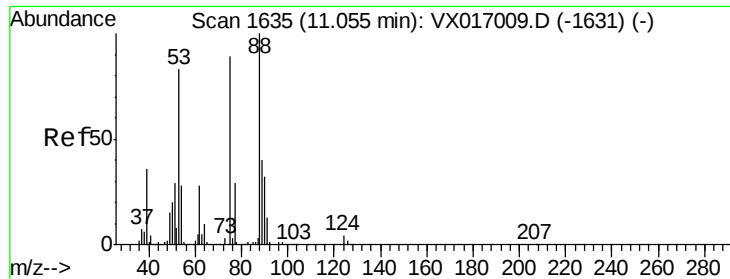
120 54.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

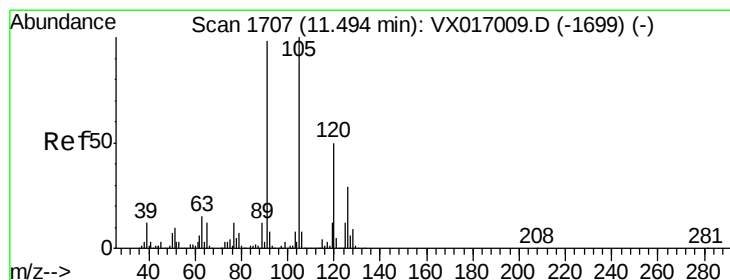
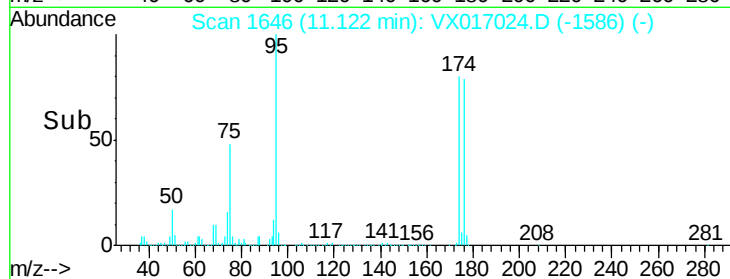
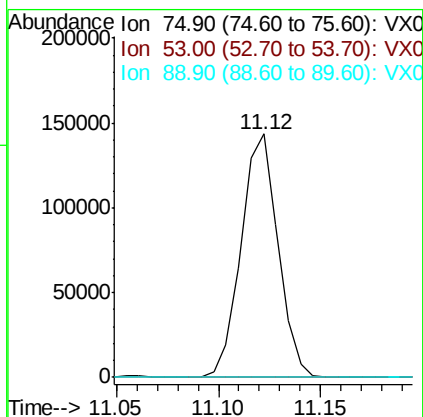
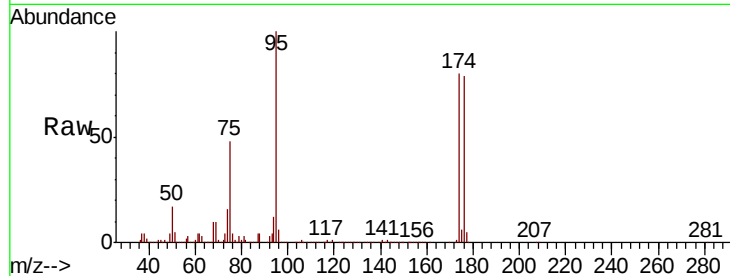




#81
trans-1,4-Dichloro-2-butene
Concen: 93.757 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

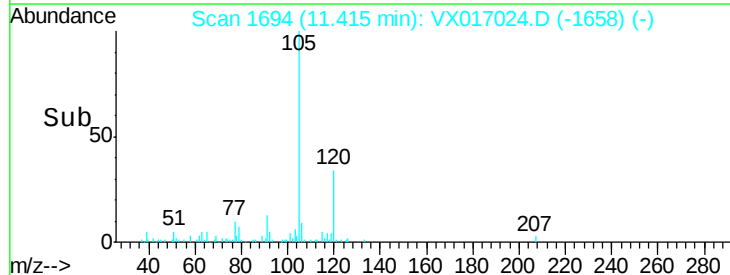
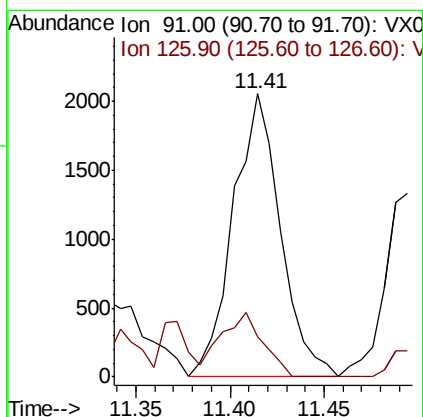
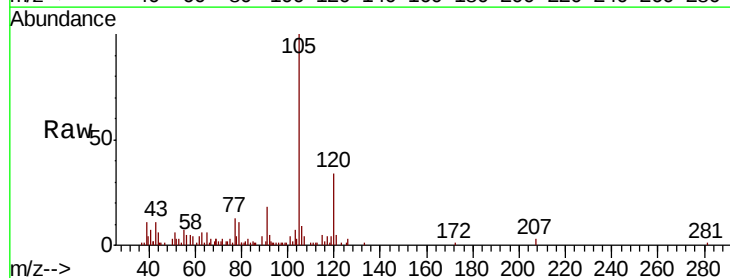
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

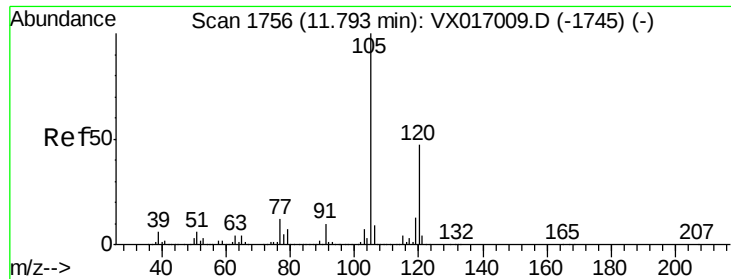
Tot Ion: 75 Resp: 179150
Ion Ratio Lower Upper
75 100
53 0.2 72.4 108.6#
89 0.0 37.0 55.4#



#82
4-Chlorotoluene
Concen: 0.265 ug/l
RT: 11.41 min Scan# 1694
Delta R.T. -0.08 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion: 91 Resp: 3575
Ion Ratio Lower Upper
91 100
126 20.1 15.2 45.5

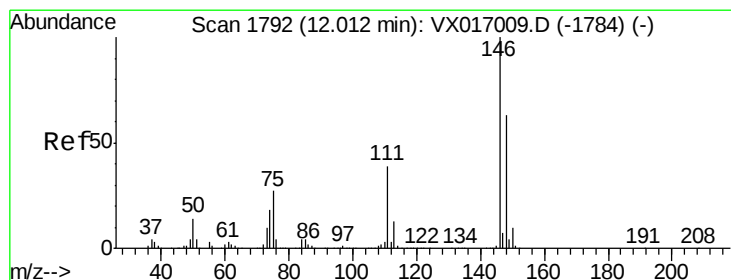
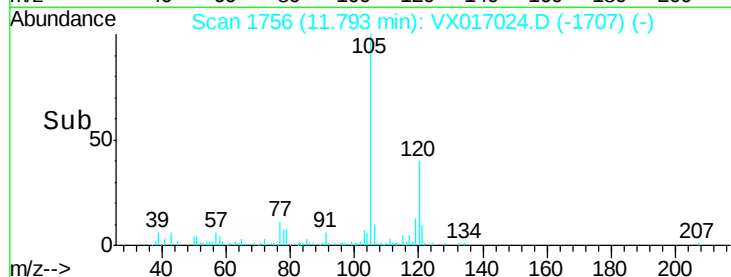
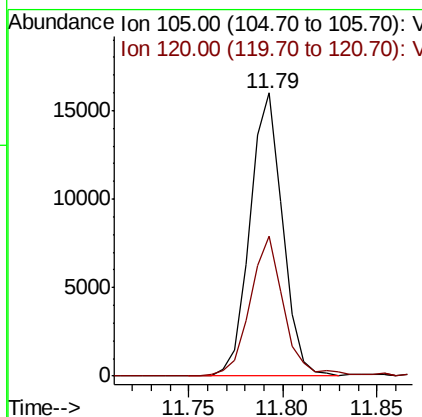
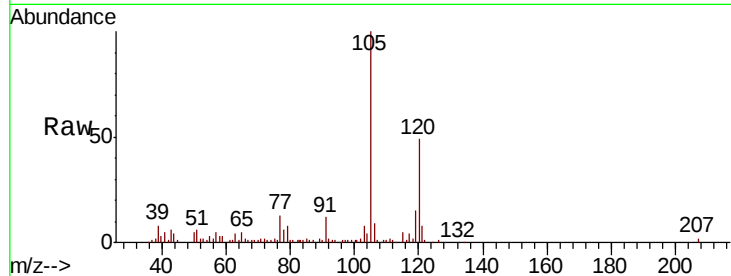




#84
1,2,4-Trimethylbenzene
Concen: 1.382 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

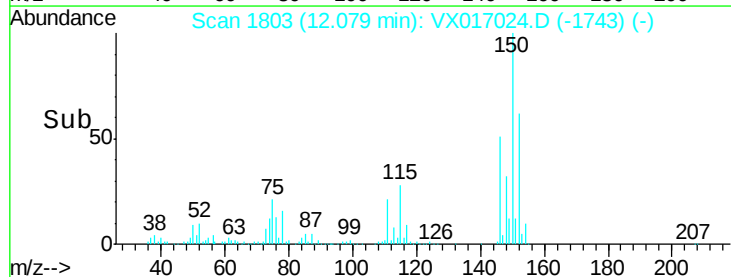
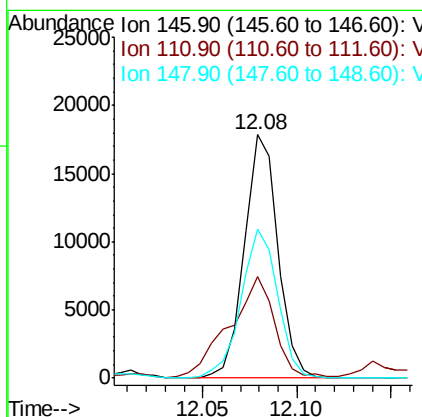
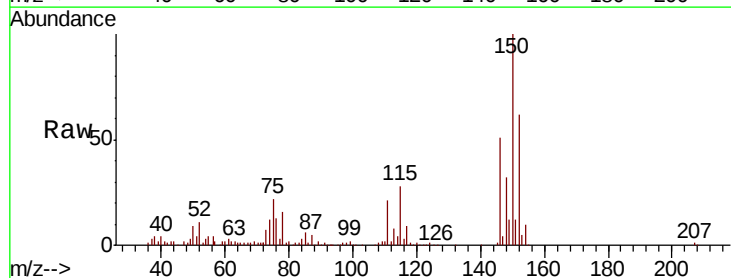
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

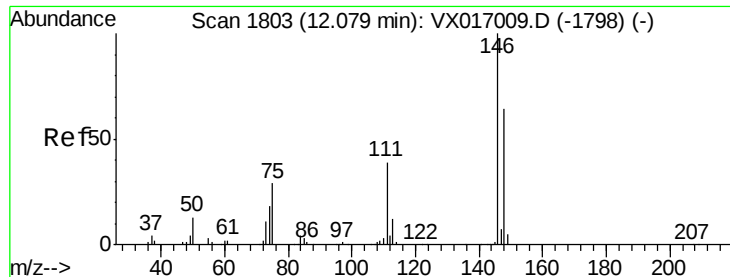
Tot Ion:105 Resp: 19167
Ion Ratio Lower Upper
105 100
120 51.3 22.9 68.5



#87
1,3-Dichlorobenzene
Concen: 2.684 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. 0.07 min
Lab File: VX017024.D
Acq: 29 Jun 2020 21:57

Tgt Ion:146 Resp: 22081
Ion Ratio Lower Upper
146 100
111 55.1 20.4 61.2
148 66.7 32.5 97.5





#88

1,4-Dichlorobenzene

Concen: 2.665 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX017024.D

Acq: 29 Jun 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

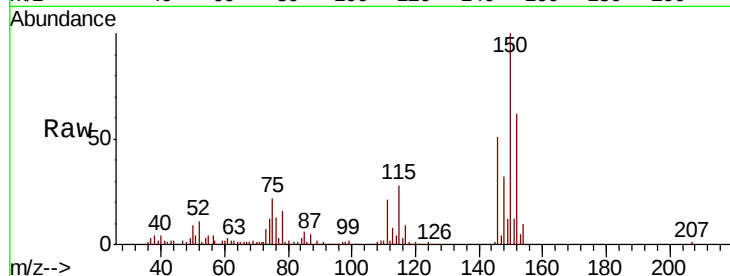
Tot Ion:146 Resp: 22081

Ion Ratio Lower Upper

146 100

111 55.3 19.5 58.5

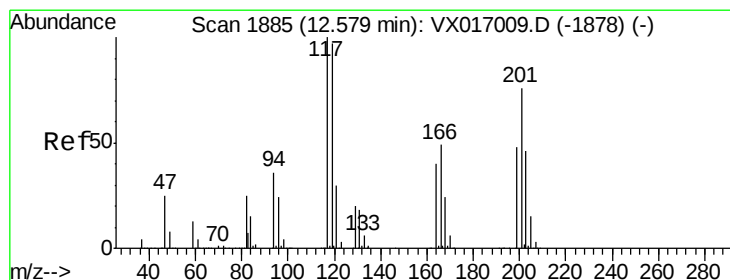
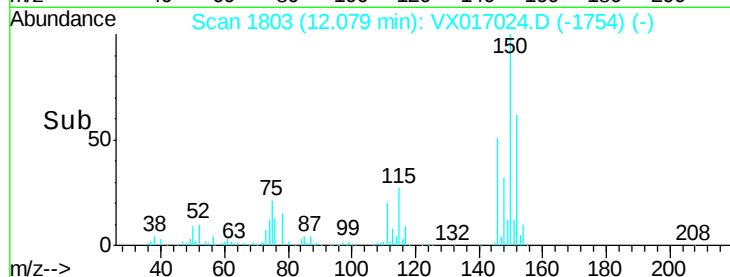
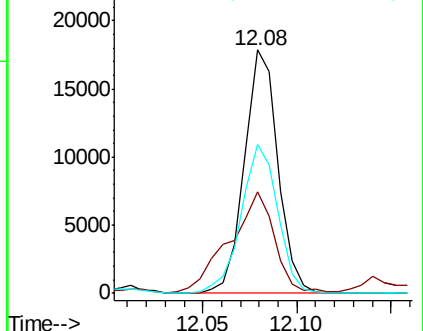
148 66.7 31.9 95.7



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



#90

Hexachloroethane

Concen: 0.273 ug/l

RT: 12.55 min Scan# 1881

Delta R.T. -0.02 min

Lab File: VX017024.D

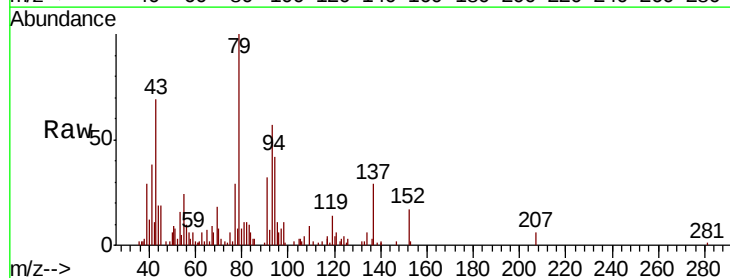
Acq: 29 Jun 2020 21:57

Tgt Ion:117 Resp: 790

Ion Ratio Lower Upper

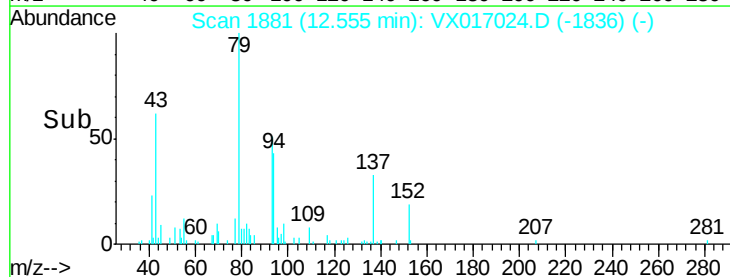
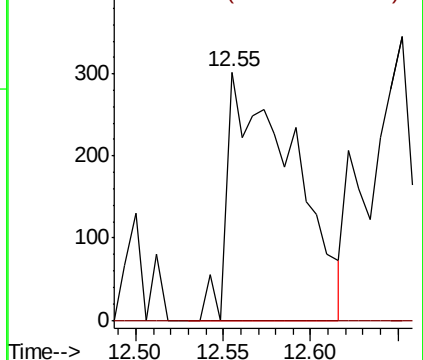
117 100

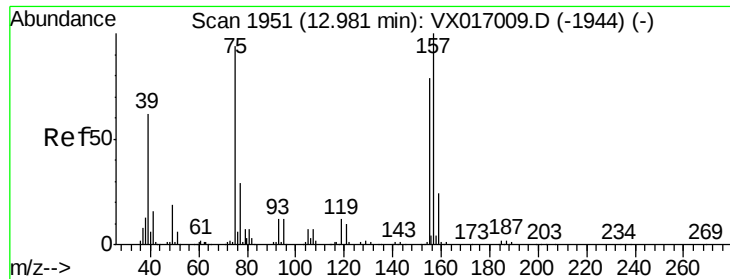
201 0.0 39.4 118.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

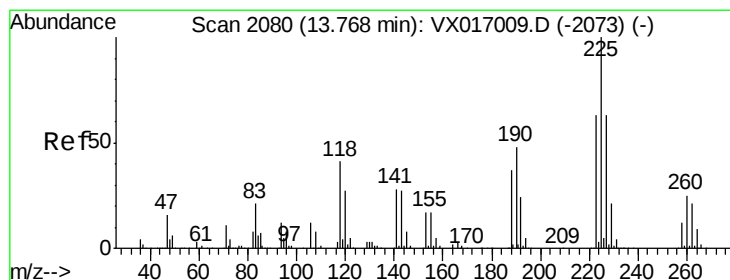
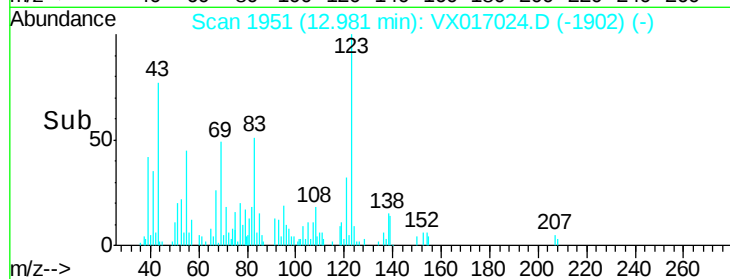
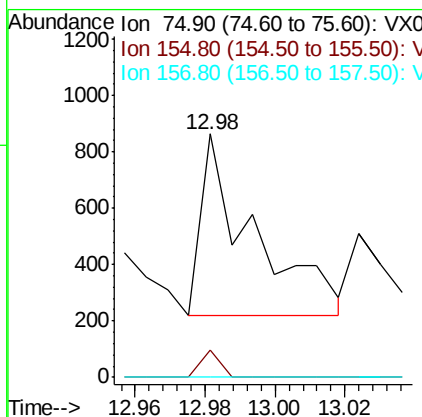
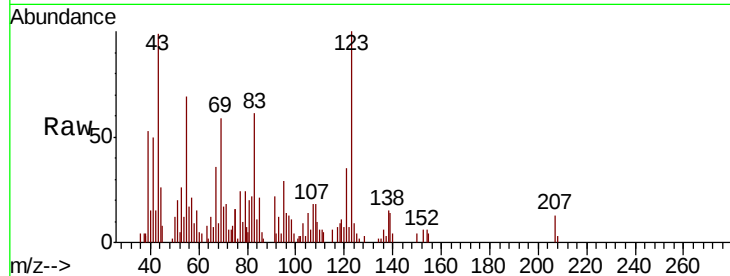




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.538 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion: 75 Resp: 665
 Ion Ratio Lower Upper
 75 100
 155 5.4 45.1 135.2#
 157 0.0 56.5 169.3#



#94
 Hexachlorobutadiene
 Concen: 0.899 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX017024.D
 Acq: 29 Jun 2020 21:57

Tgt Ion: 225 Resp: 112
 Ion Ratio Lower Upper
 225 100
 223 86.6 32.5 97.5
 227 67.9 33.1 99.2

