

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040422\
 Data File : VX027970.D
 Acq On : 04 Apr 2022 20:03
 Operator : JC/MD
 Sample : PB143824ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 05 05:54:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

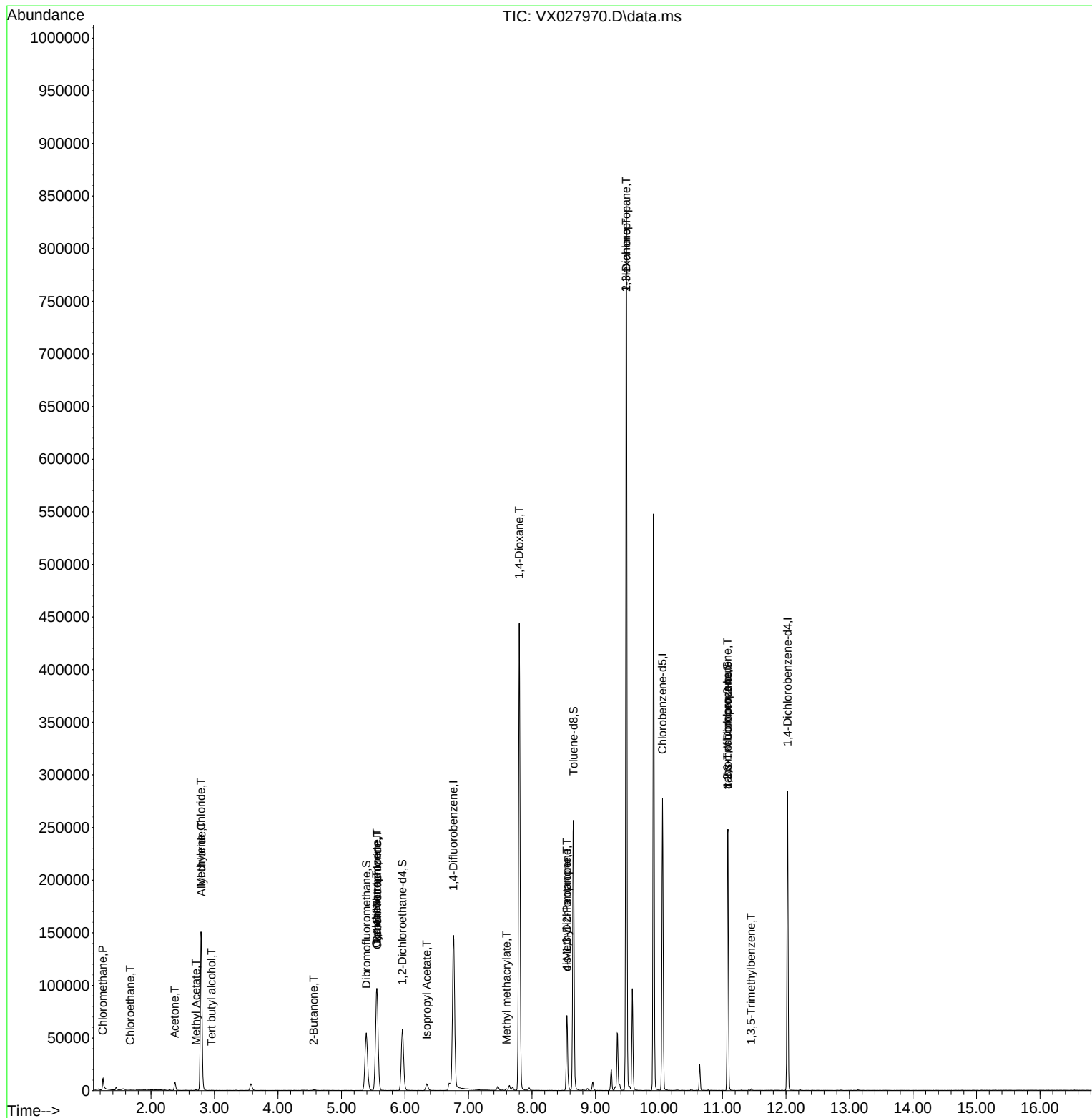
Internal Standards						
1) Pentafluorobenzene	5.556	168	89159	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	145027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126875	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58303	50.681	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.360%	
35) Dibromofluoromethane	5.391	113	47352	50.584	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.160%	
50) Toluene-d8	8.653	98	159292	48.363	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.720%	
62) 4-Bromofluorobenzene	11.079	95	70108	50.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.180%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	245	0.343	ug/l	# 42
6) Chloroethane	1.673	64	232	0.470	ug/l	# 43
11) Tert butyl alcohol	2.953	59	131	0.593	ug/l	# 72
14) Allyl chloride	2.794	41	2342	1.665	ug/l	# 25
16) Acetone	2.374	43	8456	16.609	ug/l	# 84
18) Methyl Acetate	2.709	43	1015	0.809	ug/l	# 68
20) Methylene Chloride	2.788	84	66889	73.042	ug/l	87
25) 2-Butanone	4.562	43	1524	2.057	ug/l	# 56
31) Cyclohexane	5.550	56	1837	1.445	ug/l	# 26
36) 1,1-Dichloropropene	5.556	75	7133	6.050	ug/l	# 49
38) Carbon Tetrachloride	5.562	117	9123	7.004	ug/l	# 15
43) Isopropyl Acetate	6.342	43	8169	3.489	ug/l	95
48) Methyl methacrylate	7.598	41	1979	1.612	ug/l	# 7
49) 1,4-Dioxane	7.799	88	55	2.269	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	22959	14.137	ug/l	# 45
54) cis-1,3-Dichloropropene	8.549	75	11654	7.675	ug/l	# 69
57) 1,3-Dichloropropane	9.482	76	7876	4.688	ug/l	# 43
59) 2-Hexanone	9.482	43	93185	74.518	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	35891	28.356	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	804	0.231	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	35891	82.786	ug/l	# 15

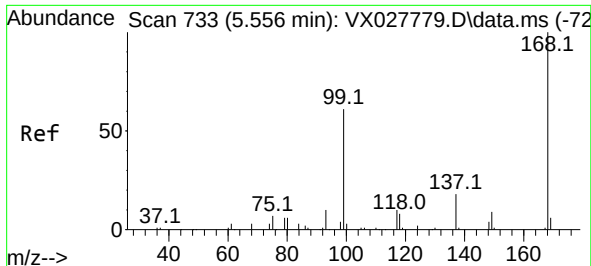
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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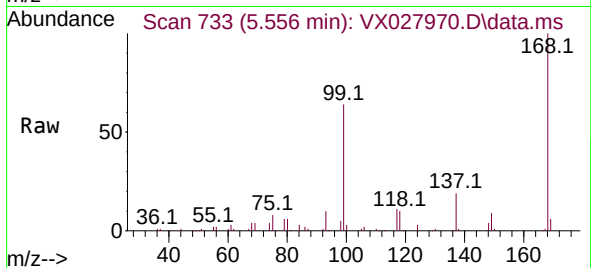


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

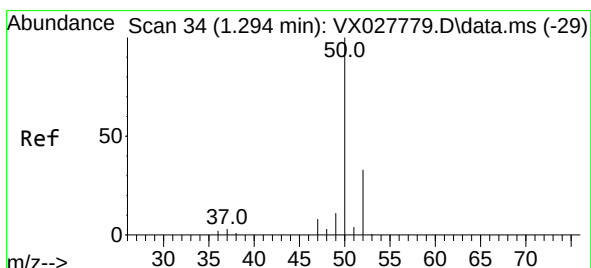
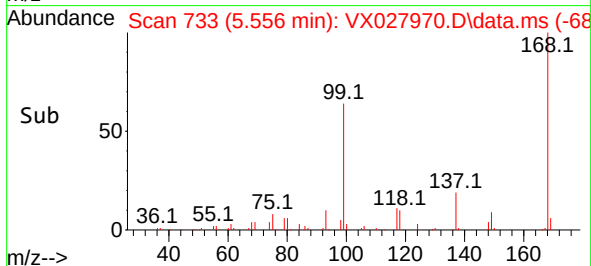
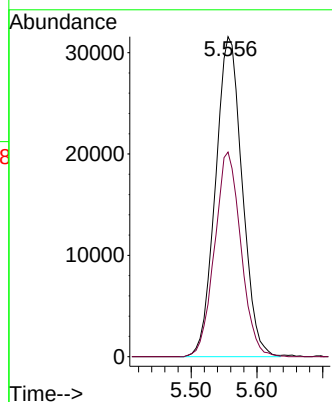
Instrument :

MSVOA_X

ClientSampleId :

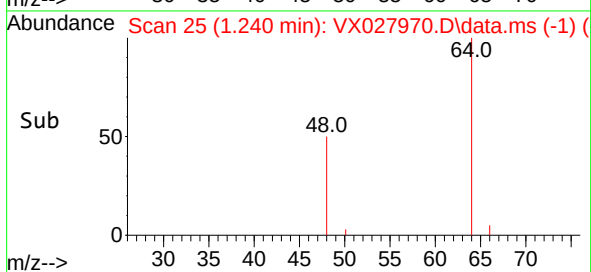
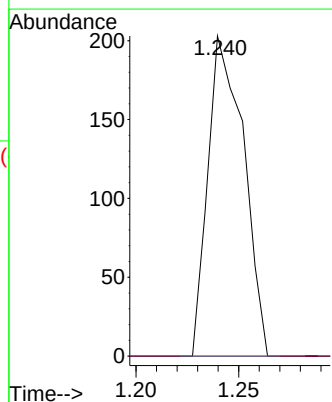
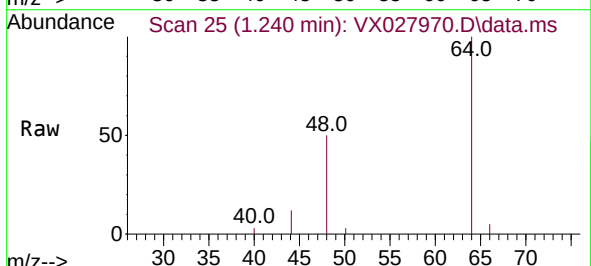


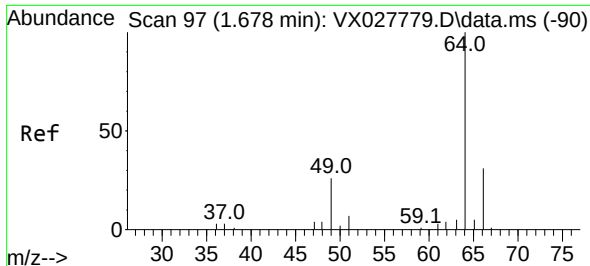
Tgt Ion:168 Resp: 89159
Ion Ratio Lower Upper
168 100
99 64.0 41.7 62.5#



#3
Chloromethane
Concen: 0.343 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.054 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

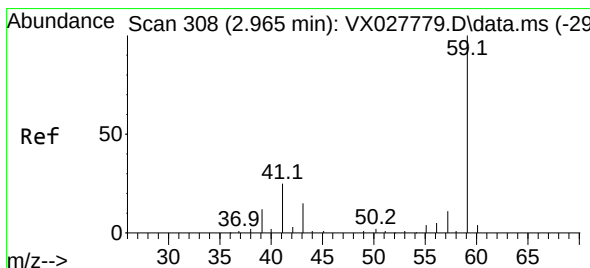
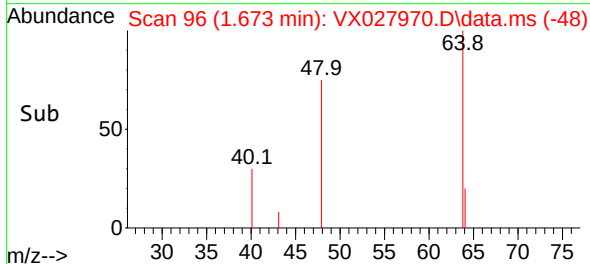
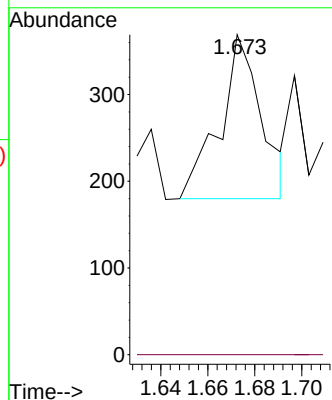
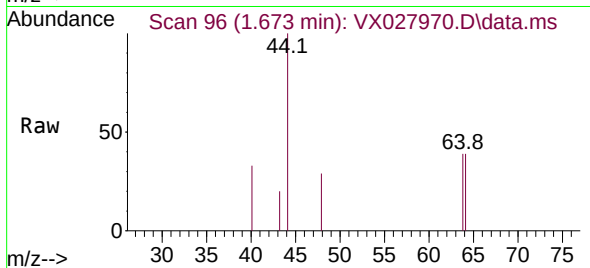




#6
Chloroethane
Concen: 0.470 ug/l
RT: 1.673 min Scan# 90
Delta R.T. -0.005 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

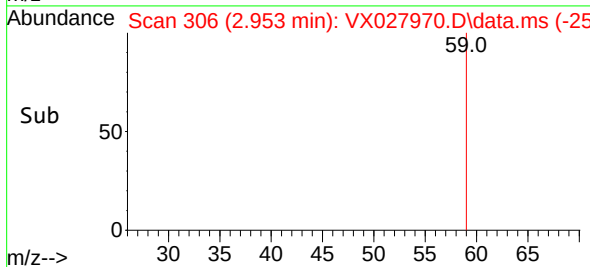
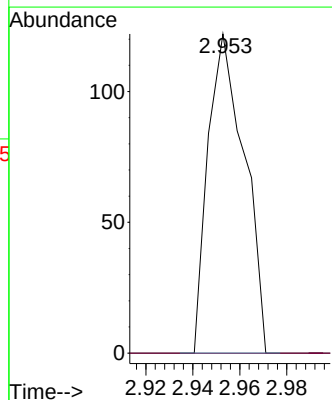
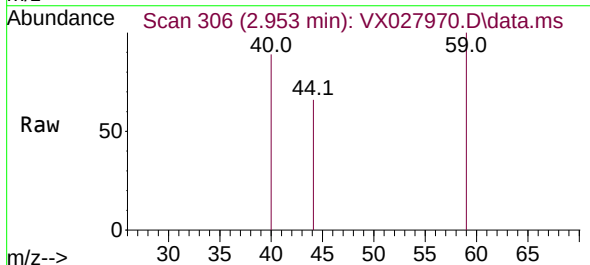
Instrument :
MSVOA_X
ClientSampleId :

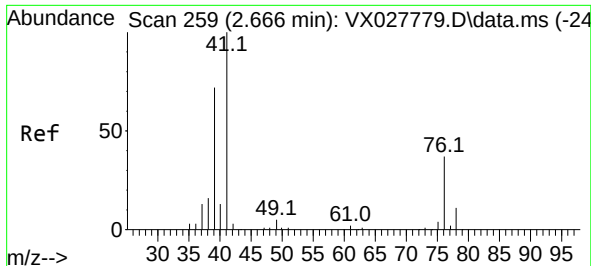
Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 0.593 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#14

Allyl chloride

Concen: 1.665 ug/l

RT: 2.794 min Scan# 211

Delta R.T. 0.128 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

Instrument :

MSVOA_X

ClientSampleId :

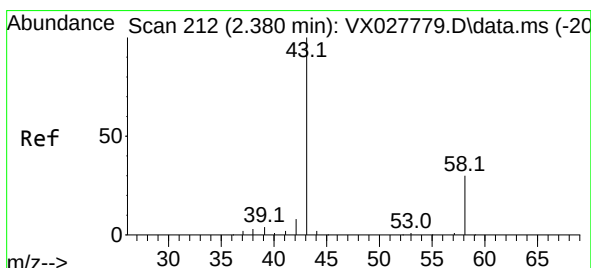
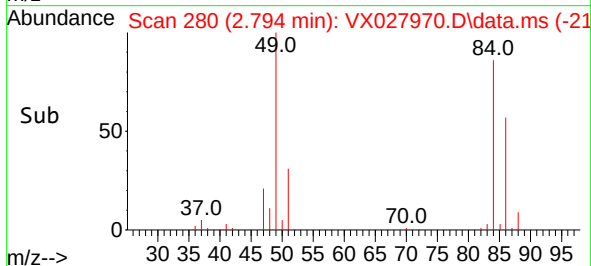
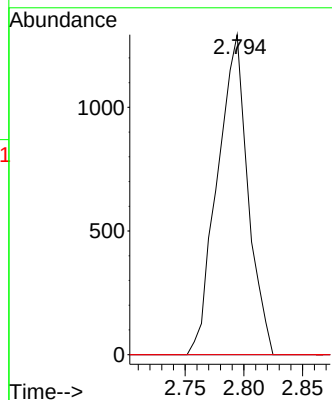
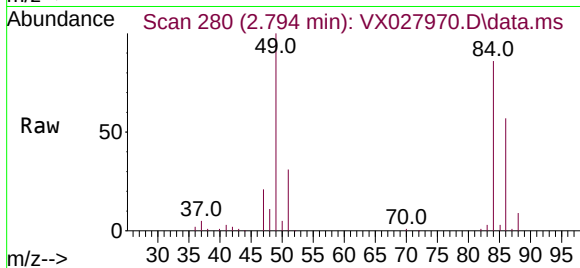
Tgt Ion: 41 Resp: 2342

Ion Ratio Lower Upper

41 100

39 0.0 50.4 75.6#

76 0.0 32.7 49.1#



#16

Acetone

Concen: 16.609 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.006 min

Lab File: VX027970.D

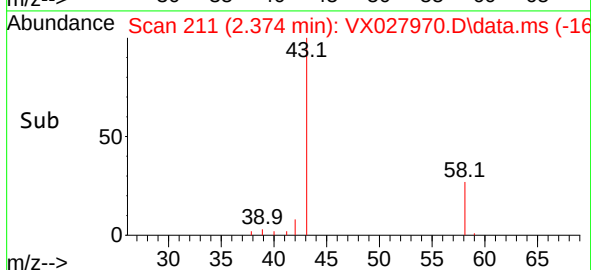
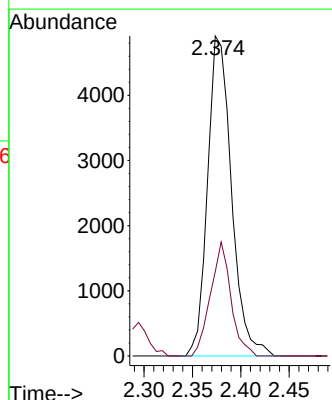
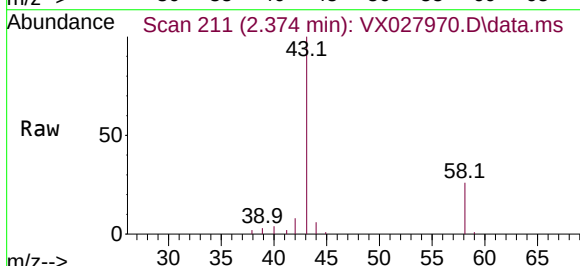
Acq: 04 Apr 2022 20:03

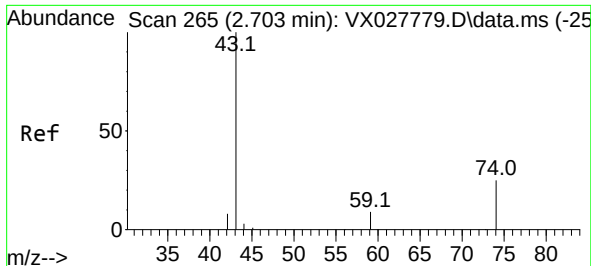
Tgt Ion: 43 Resp: 8456

Ion Ratio Lower Upper

43 100

58 26.3 28.8 43.2#

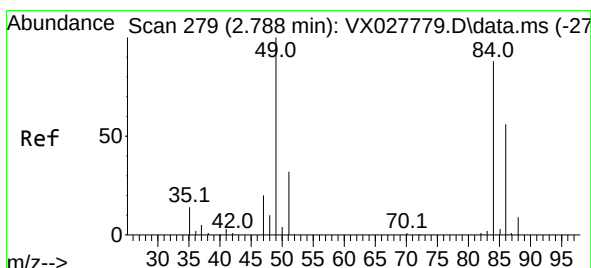
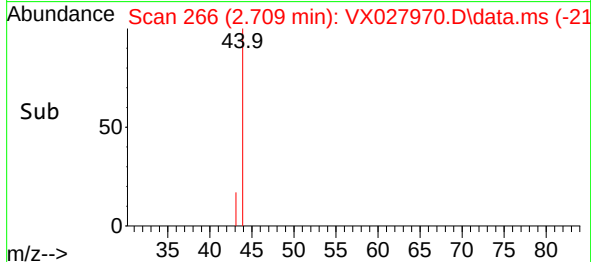
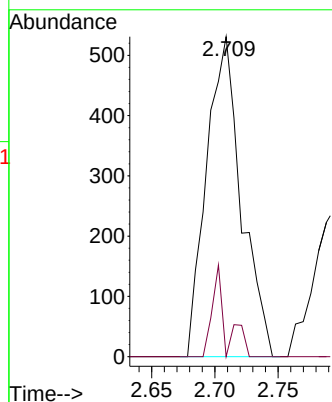
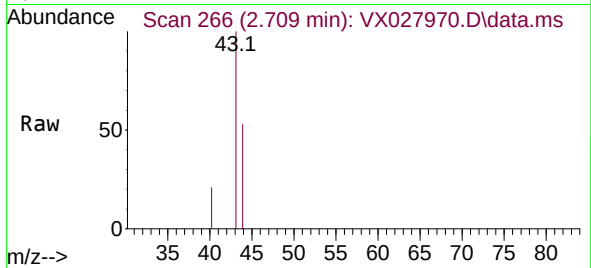




#18
Methyl Acetate
Concen: 0.809 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

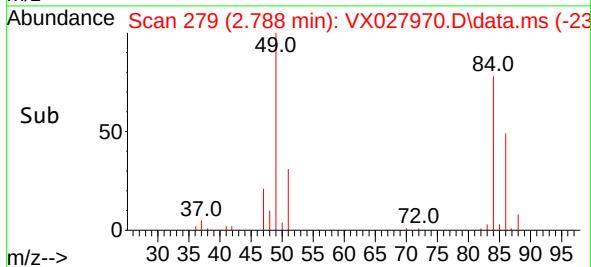
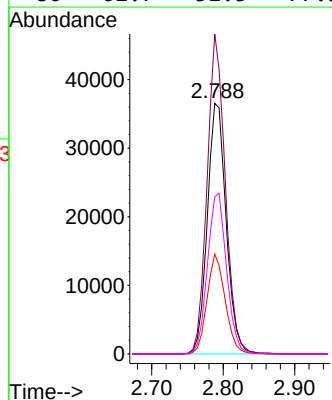
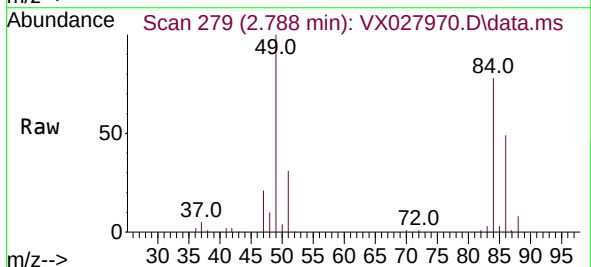
Instrument :
MSVOA_X
ClientSampleId :

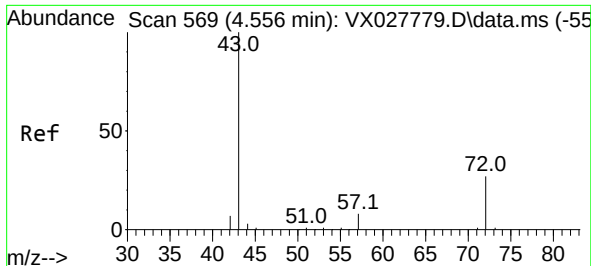
Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
74 11.5 22.8 34.2#



#20
Methylene Chloride
Concen: 73.042 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 84 Resp: 66889
Ion Ratio Lower Upper
84 100
49 127.7 85.5 128.3
51 39.8 26.6 39.8
86 62.7 51.5 77.3





#25

2-Butanone

Concen: 2.057 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

Instrument :

MSVOA_X

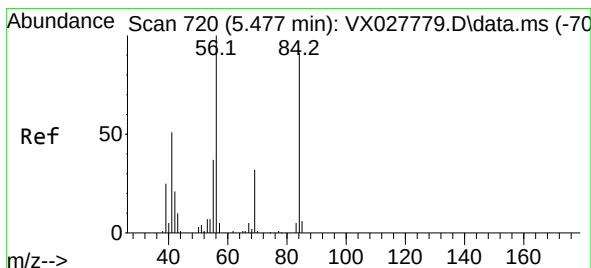
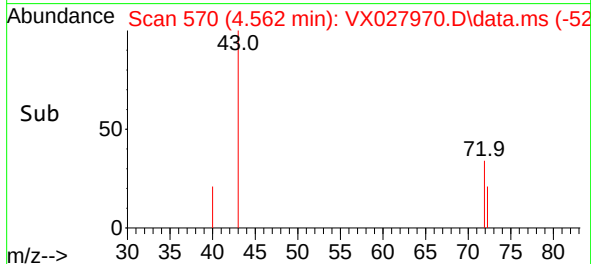
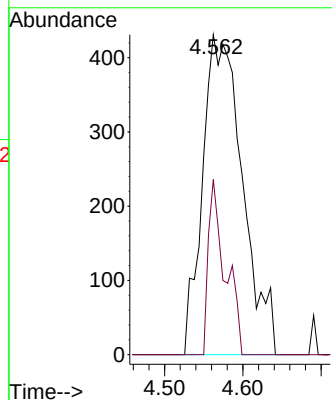
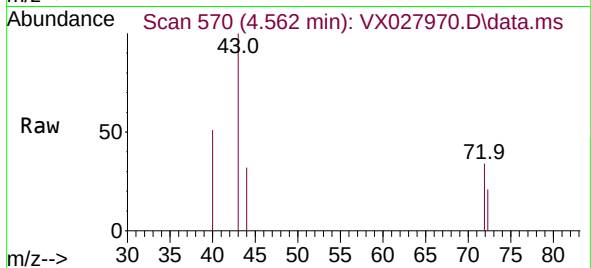
ClientSampleId :

Tgt Ion: 43 Resp: 1524

Ion Ratio Lower Upper

43 100

72 54.8 24.4 36.6#



#31

Cyclohexane

Concen: 1.445 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

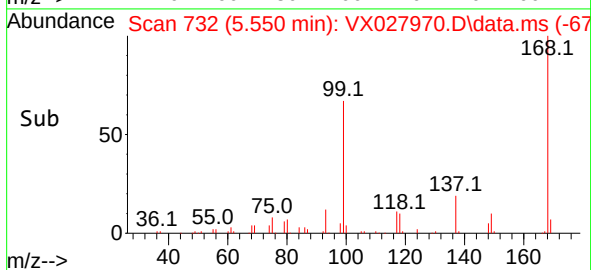
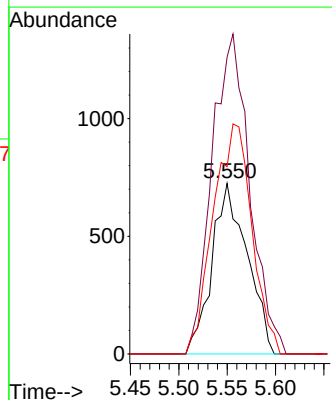
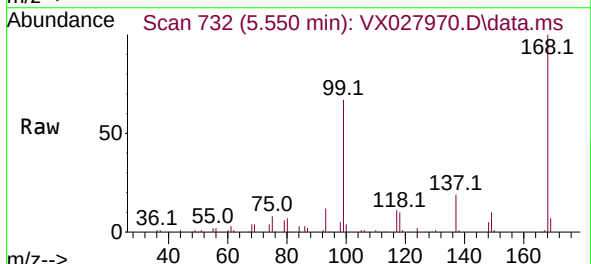
Tgt Ion: 56 Resp: 1837

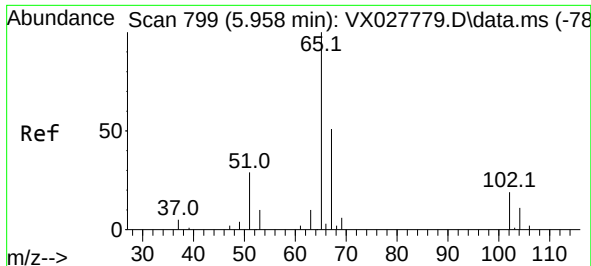
Ion Ratio Lower Upper

56 100

69 173.9 26.7 40.1#

84 109.8 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 50.681 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

Instrument :

MSVOA_X

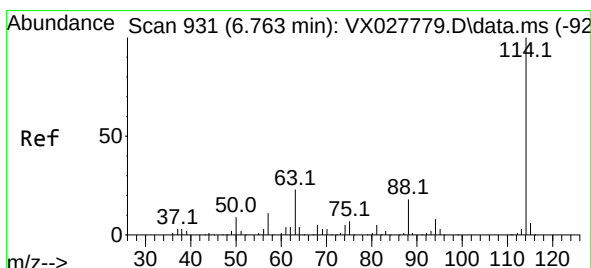
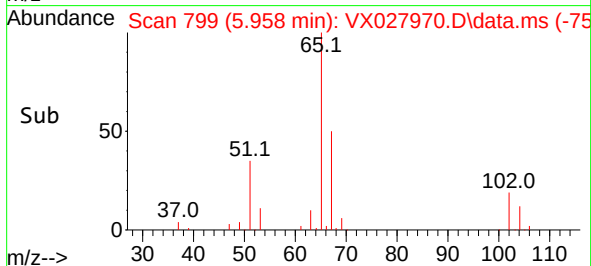
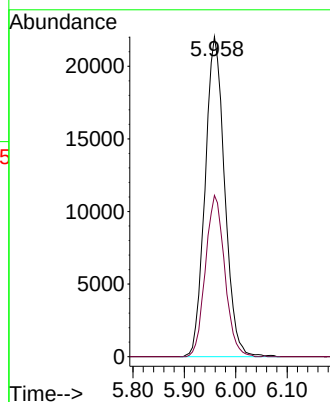
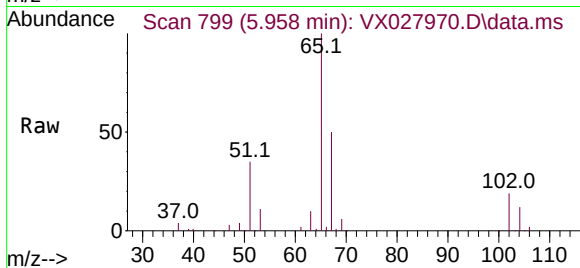
ClientSampleId :

Tgt Ion: 65 Resp: 58303

Ion Ratio Lower Upper

65 100

67 49.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

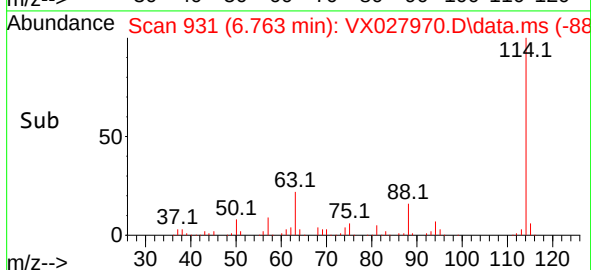
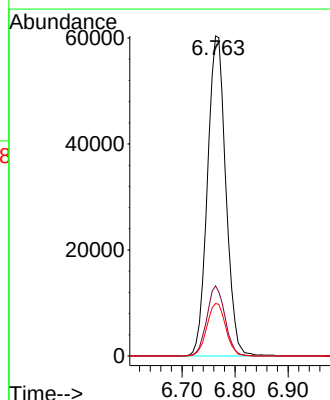
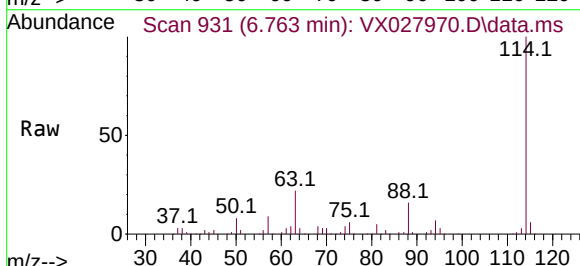
Tgt Ion: 114 Resp: 145027

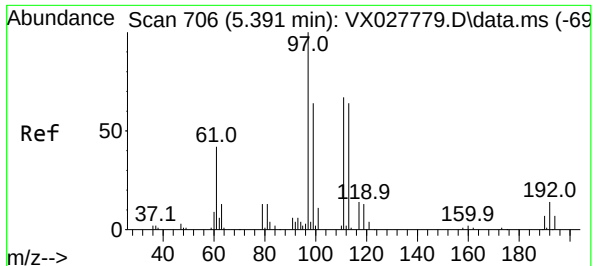
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.8

88 16.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.584 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

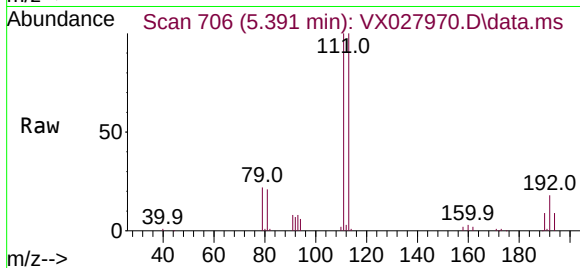
Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

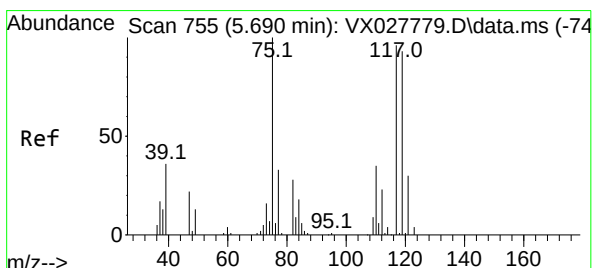
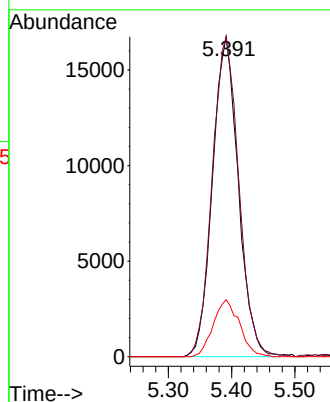
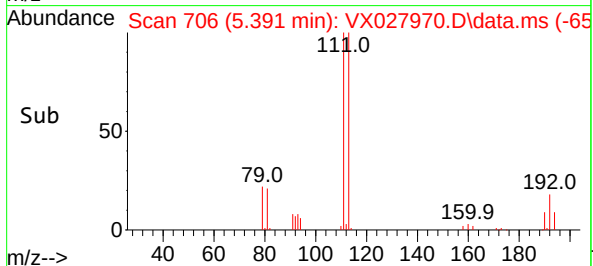
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	47352
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	18.1	16.9	25.3



#36

1,1-Dichloropropene

Concen: 6.050 ug/l

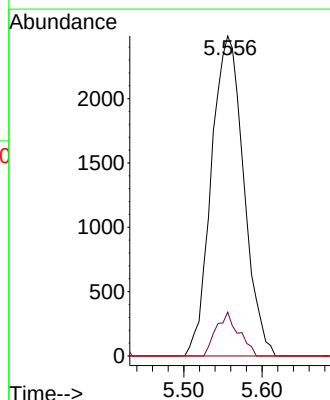
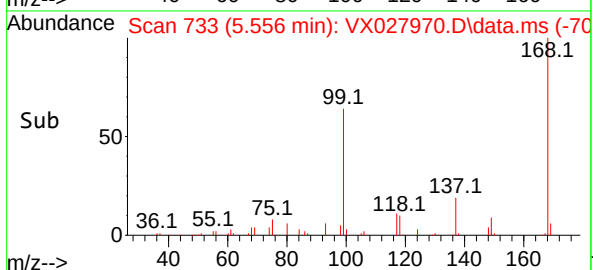
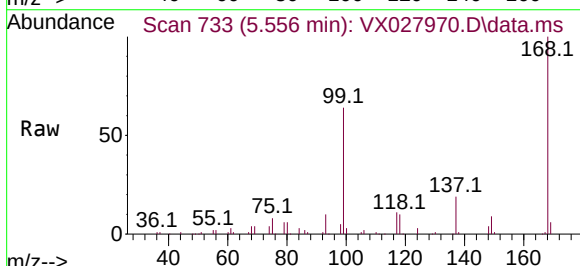
RT: 5.556 min Scan# 733

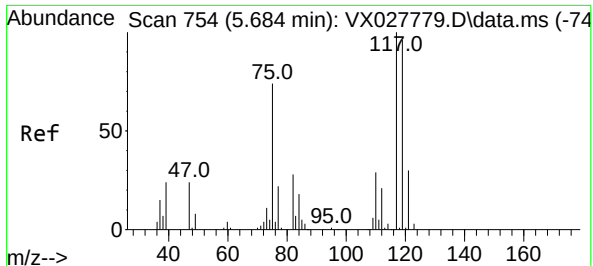
Delta R.T. -0.134 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

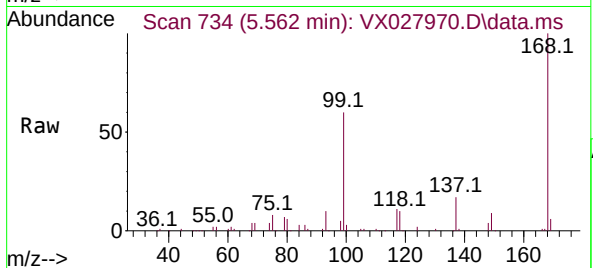
Tgt Ion:	75	Resp:	7133
Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.3	54.8#
77	0.0	24.8	37.2#



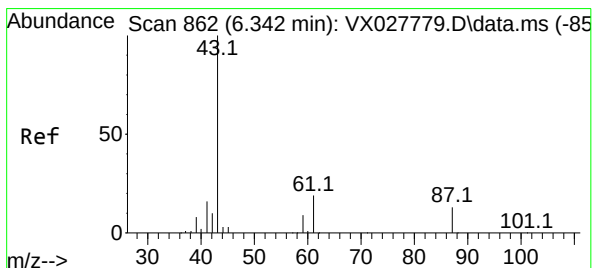
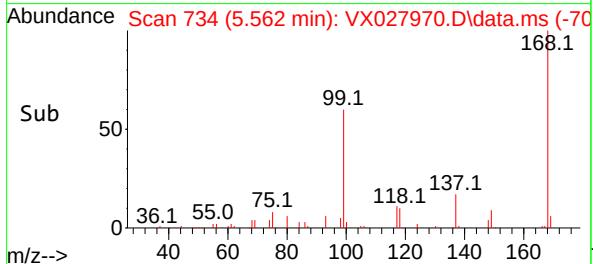
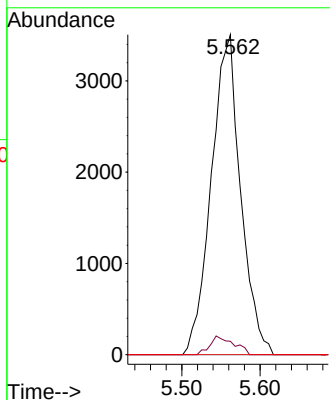


#38
Carbon Tetrachloride
Concen: 7.004 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Instrument :
MSVOA_X
ClientSampleId :

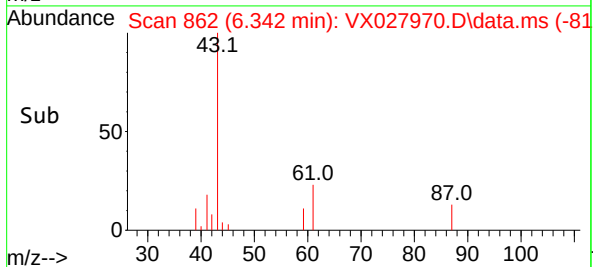
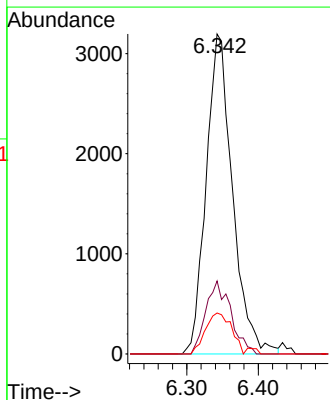
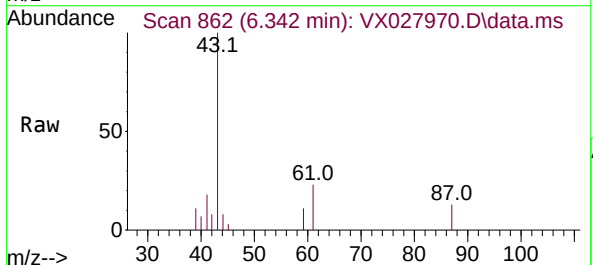


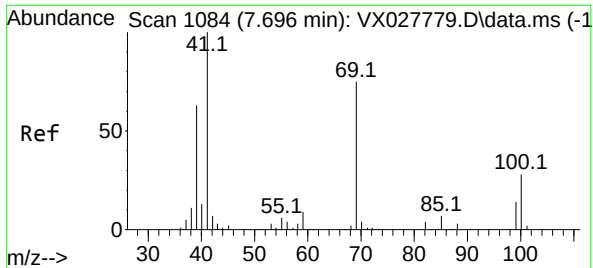
Tgt Ion:117 Resp: 9123
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.489 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

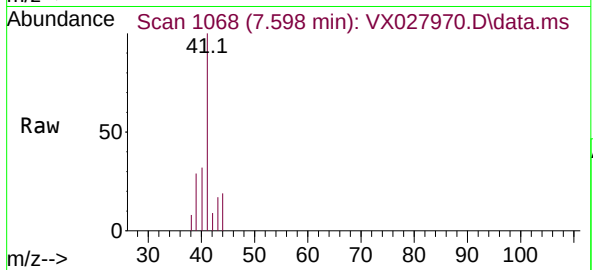
Tgt Ion: 43 Resp: 8169
Ion Ratio Lower Upper
43 100
61 21.8 18.5 27.7
87 13.1 13.0 19.6



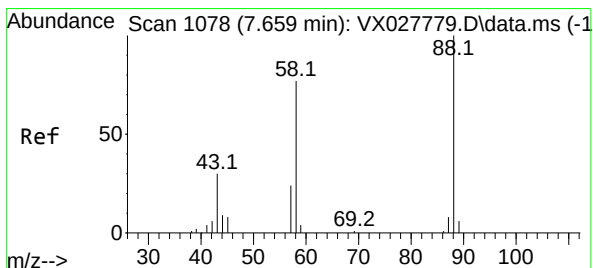
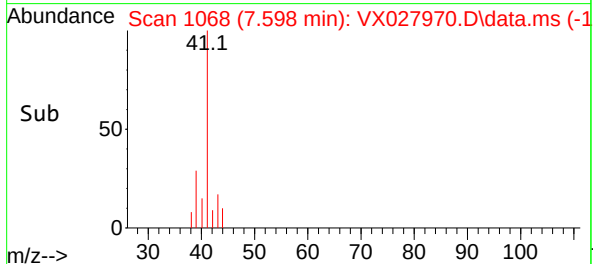
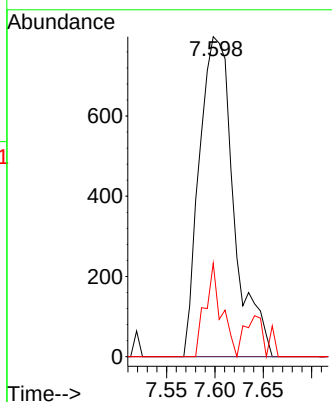


#48
Methyl methacrylate
Concen: 1.612 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Instrument :
MSVOA_X
ClientSampleId :

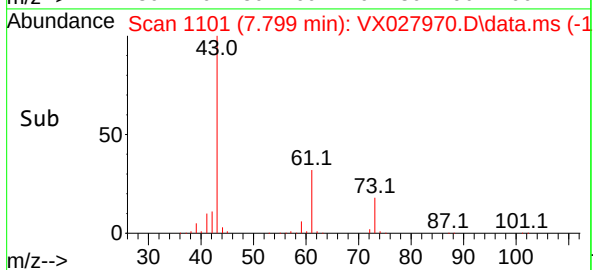
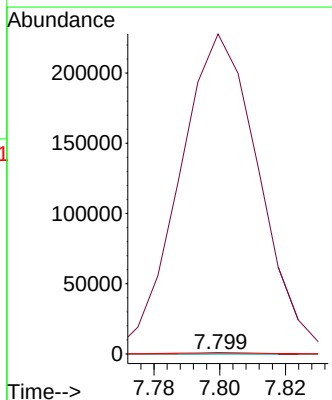
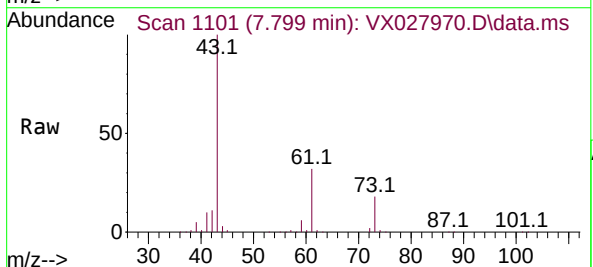


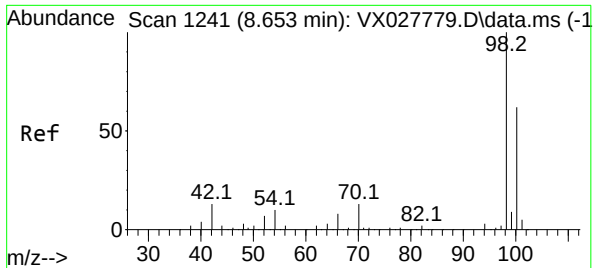
Tgt Ion: 41 Resp: 1979
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.269 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 704461.8 21.9 32.9#
58 3009.1 53.7 80.5#

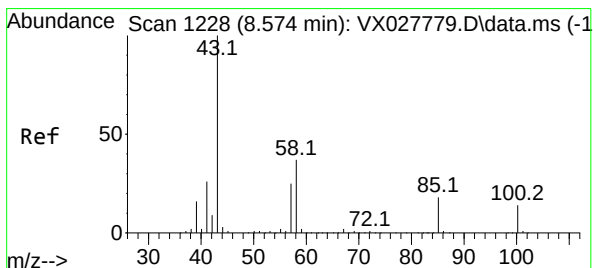
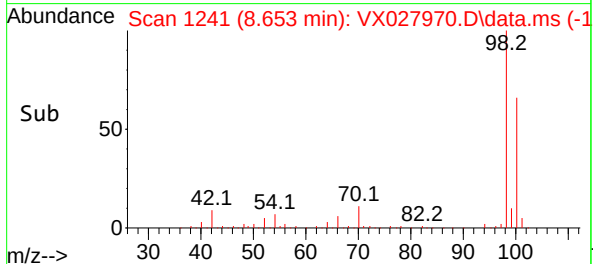
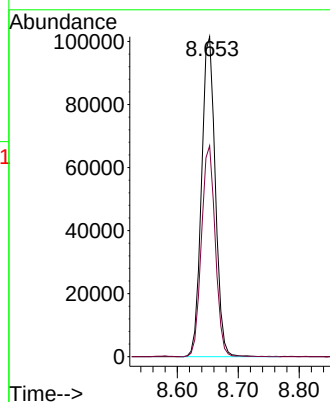
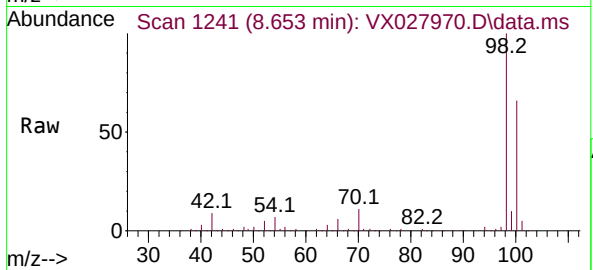




#50
Toluene-d8
Concen: 48.363 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

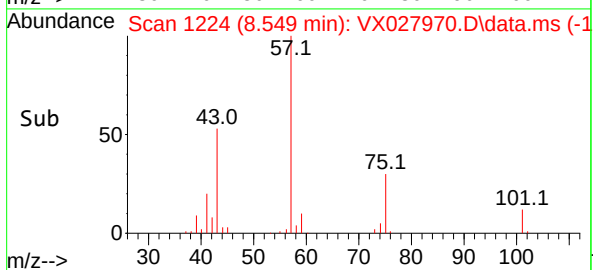
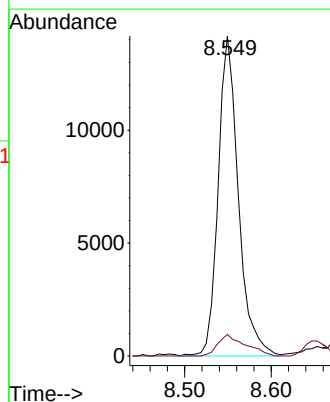
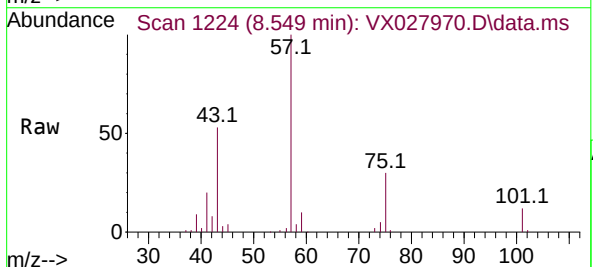
Instrument :
MSVOA_X
ClientSampleId :

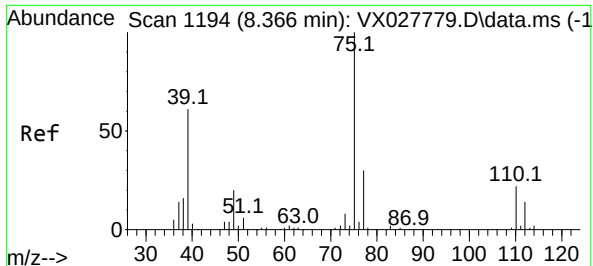
Tgt Ion: 98 Resp: 159292
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.137 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 43 Resp: 22959
Ion Ratio Lower Upper
43 100
58 9.1 36.1 54.1#

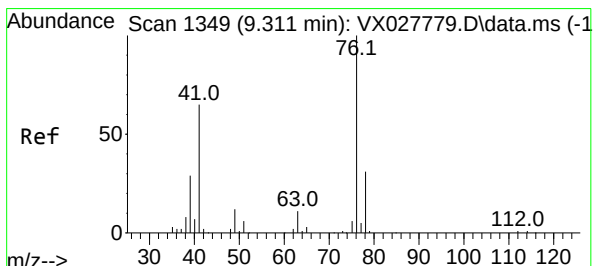
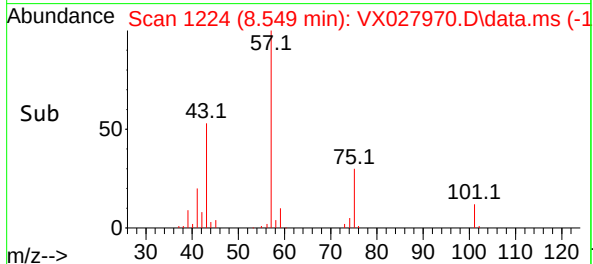
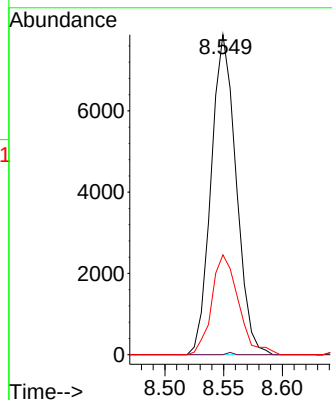
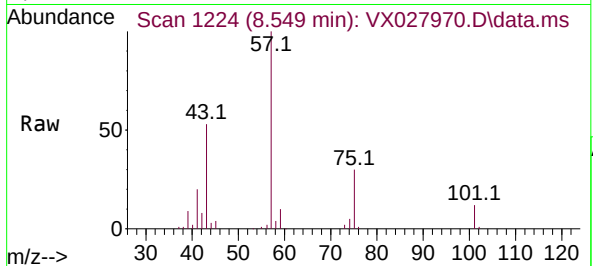




#54
 cis-1,3-Dichloropropene
 Concen: 7.675 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX027970.D
 Acq: 04 Apr 2022 20:03

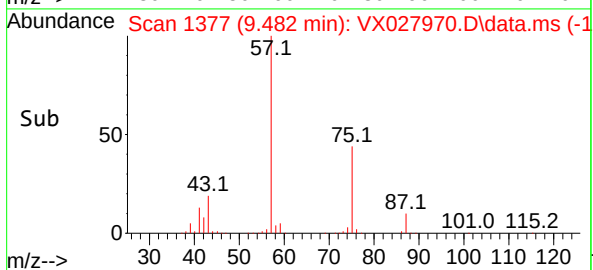
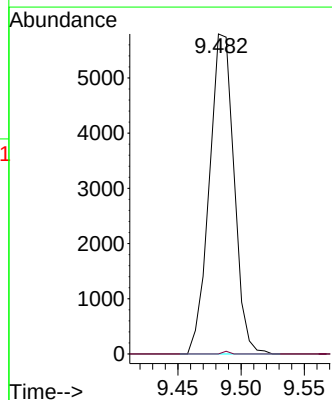
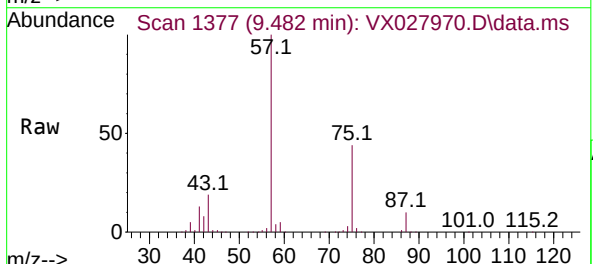
Instrument :
 MSVOA_X
 ClientSampleId :

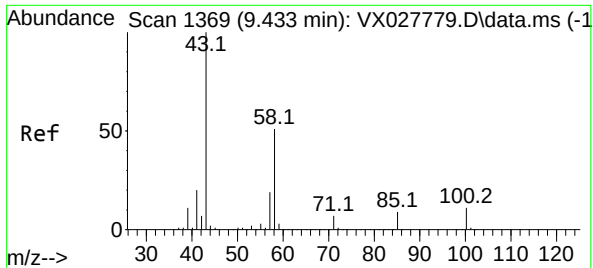
Tgt Ion: 75 Resp: 11654
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 31.2 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.688 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX027970.D
 Acq: 04 Apr 2022 20:03

Tgt Ion: 76 Resp: 7876
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.8#

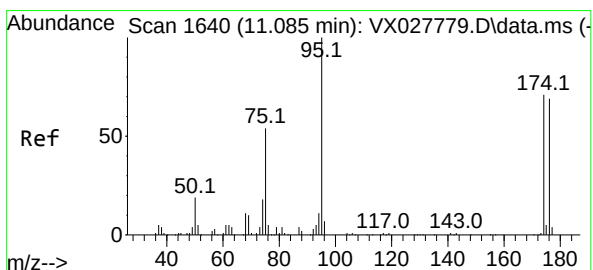
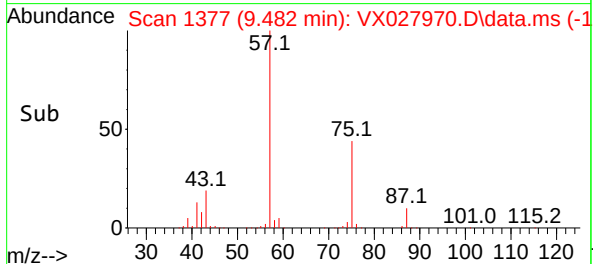
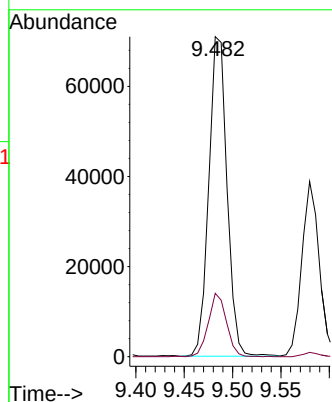
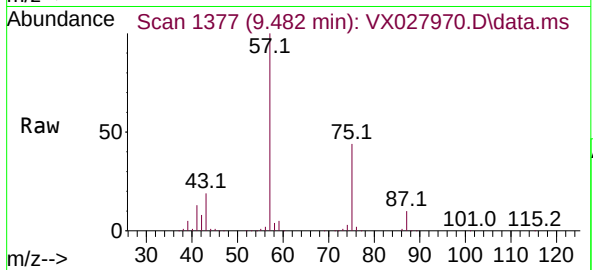




#59
2-Hexanone
Concen: 74.518 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

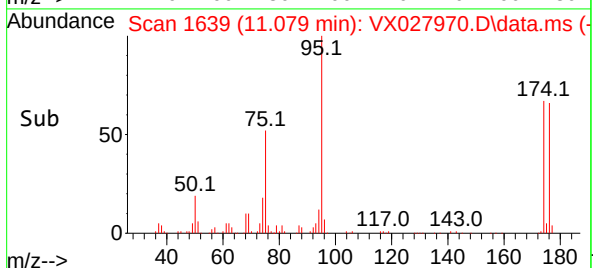
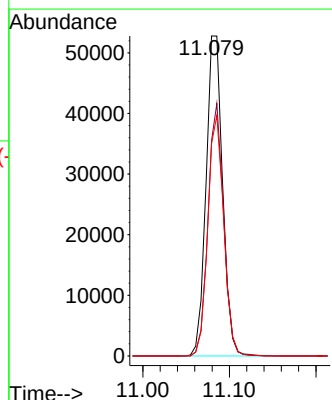
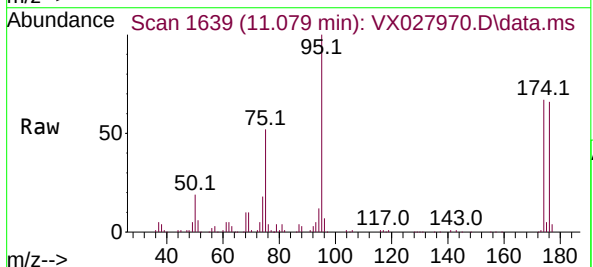
Instrument :
MSVOA_X
ClientSampleId :

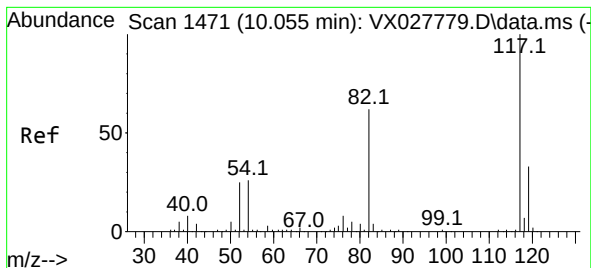
Tgt Ion: 43 Resp: 93185
Ion Ratio Lower Upper
43 100
58 19.8 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.088 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 95 Resp: 70108
Ion Ratio Lower Upper
95 100
174 74.2 0.0 163.0
176 72.2 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

Instrument :

MSVOA_X

ClientSampleId :

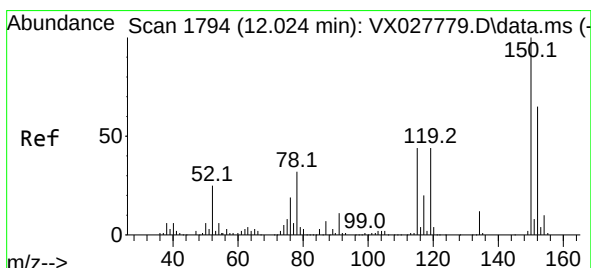
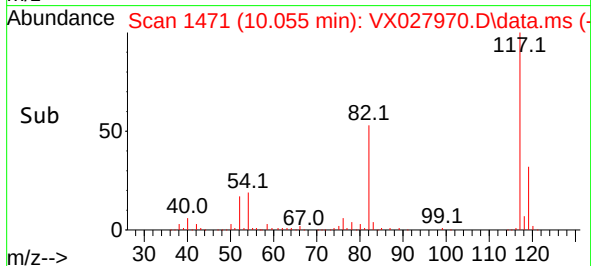
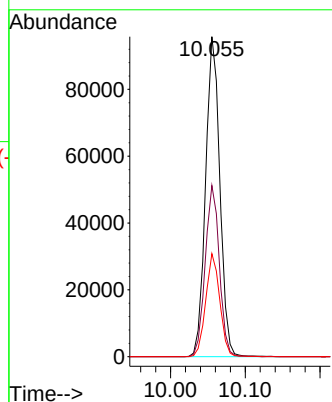
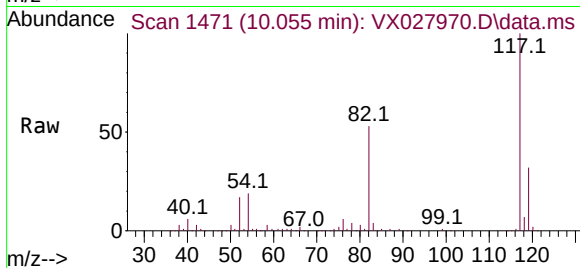
Tgt Ion:117 Resp: 126875

Ion Ratio Lower Upper

117 100

82 53.5 41.8 62.8

119 32.2 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX027970.D

Acq: 04 Apr 2022 20:03

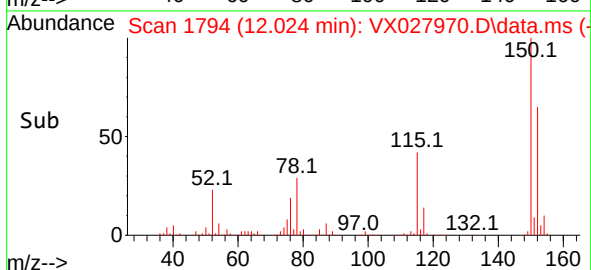
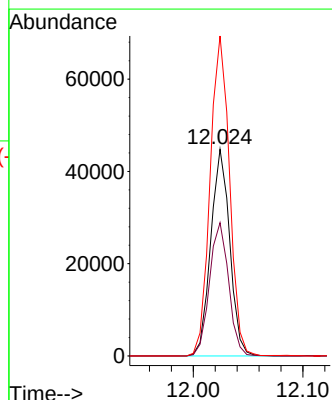
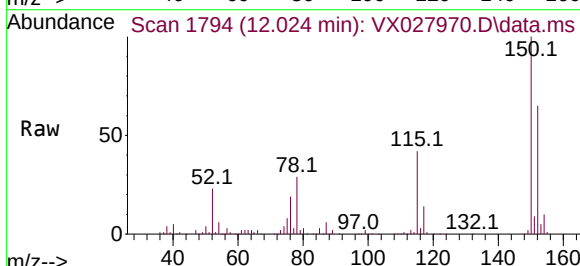
Tgt Ion:152 Resp: 53957

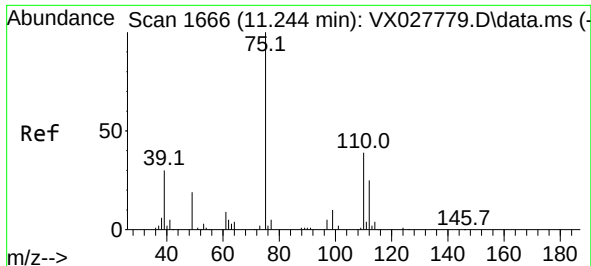
Ion Ratio Lower Upper

152 100

115 64.9 37.5 112.7

150 157.6 0.0 338.2

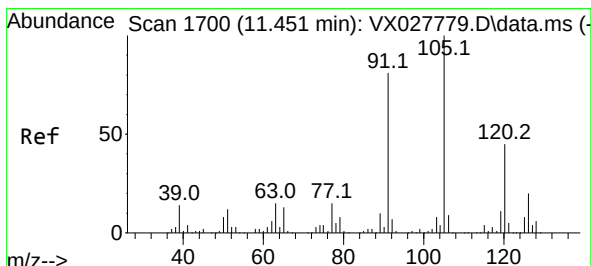
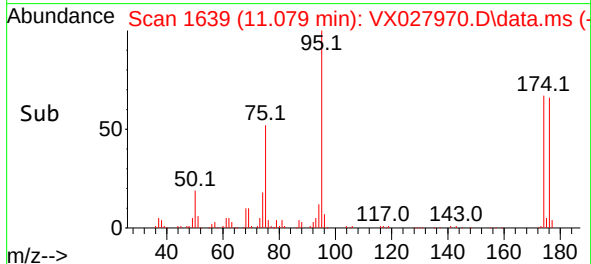
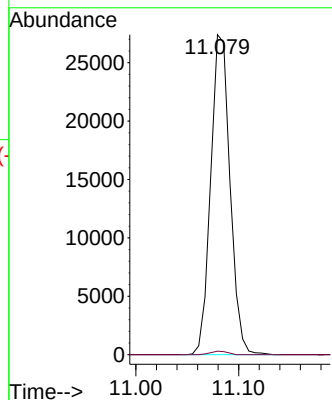
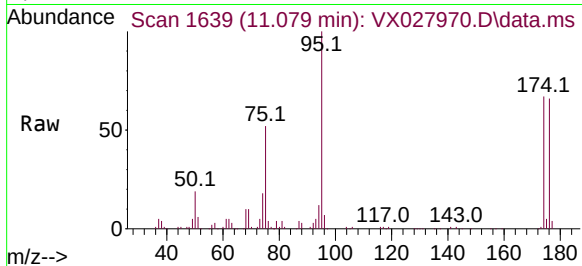




#76
1,2,3-Trichloropropane
Concen: 28.356 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.165 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

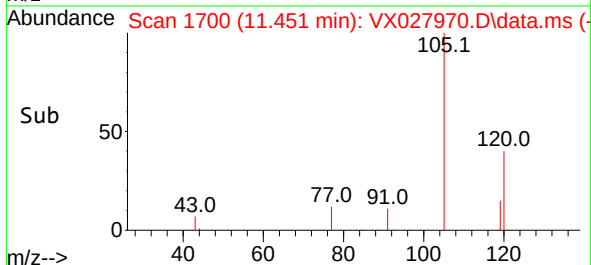
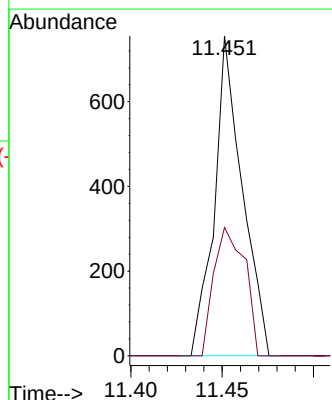
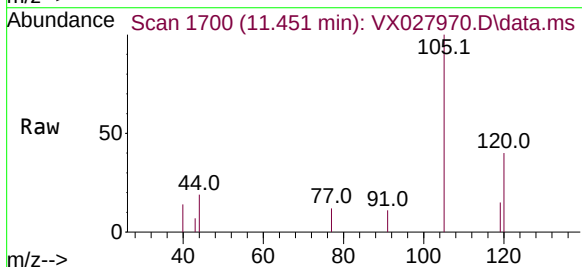
Instrument :
MSVOA_X
ClientSampleId :

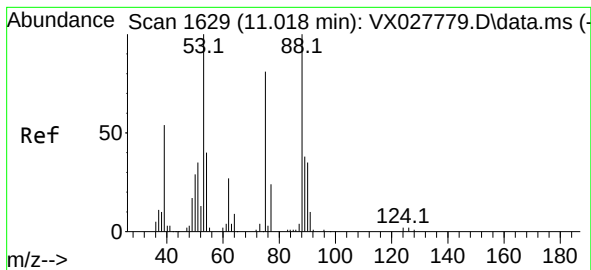
Tgt Ion: 75 Resp: 35891
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.231 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Tgt Ion: 105 Resp: 804
Ion Ratio Lower Upper
105 100
120 44.3 24.3 72.9





#81
trans-1,4-Dichloro-2-butene
Concen: 82.786 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX027970.D
Acq: 04 Apr 2022 20:03

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35891
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

