

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033491.D
 Acq On : 19 Dec 2022 18:13
 Operator : JC/MD
 Sample : N6023-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:02:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

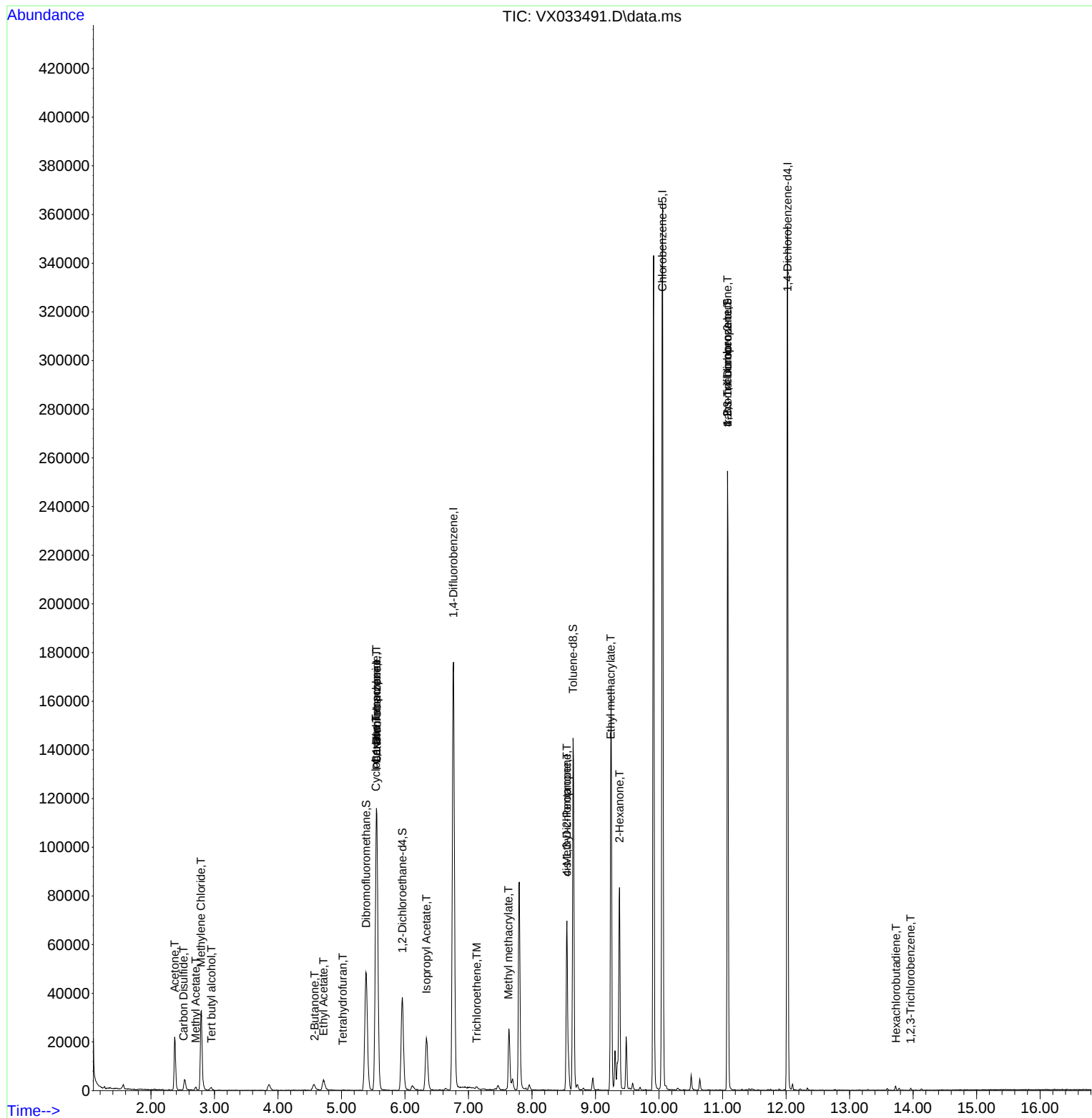
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	112568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	185985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	39252	54.353	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.700%	
35) Dibromofluoromethane	5.385	113	43040	51.451	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.900%	
50) Toluene-d8	8.647	98	88556	50.604	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	11.079	95	65732	49.125	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.260%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	841	3.809	ug/l	# 72
16) Acetone	2.374	43	23708	44.365	ug/l	97
17) Carbon Disulfide	2.514	76	526	0.201	ug/l	# 74
18) Methyl Acetate	2.703	43	1732	1.120	ug/l	98
20) Methylene Chloride	2.788	84	16778	14.078	ug/l	90
25) 2-Butanone	4.574	43	3760	4.902	ug/l	95
29) Tetrahydrofuran	5.019	42	101	0.203	ug/l	# 31
31) Cyclohexane	5.544	56	2096	1.221	ug/l	# 19
36) 1,1-Dichloropropene	5.550	75	8259	5.064	ug/l	# 50
37) Ethyl Acetate	4.715	43	8069	5.234	ug/l	97
38) Carbon Tetrachloride	5.550	117	11737	6.423	ug/l	# 16
43) Isopropyl Acetate	6.336	43	29841	12.030	ug/l	99
44) Trichloroethene	7.129	130	290	0.221	ug/l	94
48) Methyl methacrylate	7.629	41	792	0.619	ug/l	# 9
51) 4-Methyl-2-Pentanone	8.549	43	28737	18.319	ug/l	# 36
54) cis-1,3-Dichloropropene	8.549	75	11262	5.860	ug/l	# 62
56) Ethyl methacrylate	9.238	69	491	0.270	ug/l	# 1
59) 2-Hexanone	9.378	43	57259	49.531	ug/l	# 25
76) 1,2,3-Trichloropropane	11.079	75	33749	21.896	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	33749	68.111	ug/l	# 6
94) Hexachlorobutadiene	13.731	225	459	0.756	ug/l	82
96) 1,2,3-Trichlorobenzene	13.963	180	327	0.213	ug/l	79

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

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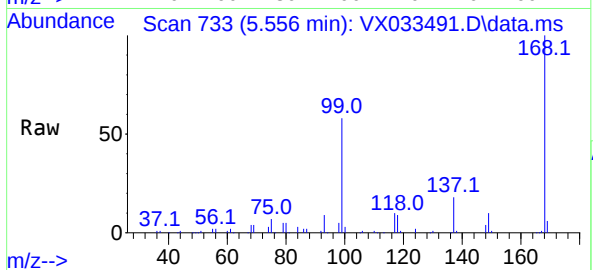
Quant Time: Dec 20 05:02:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
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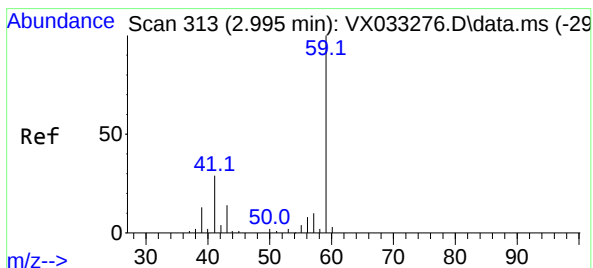
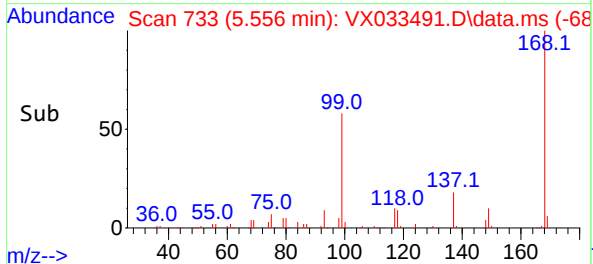
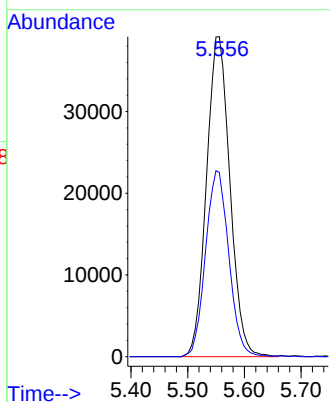


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Instrument :
MSVOA_X
ClientSampleId :

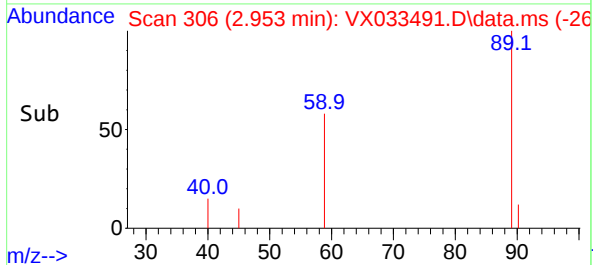
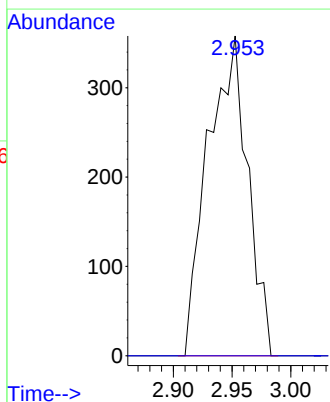
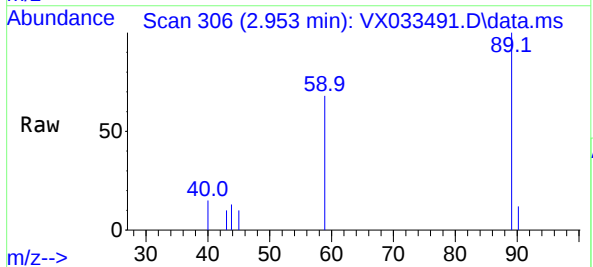


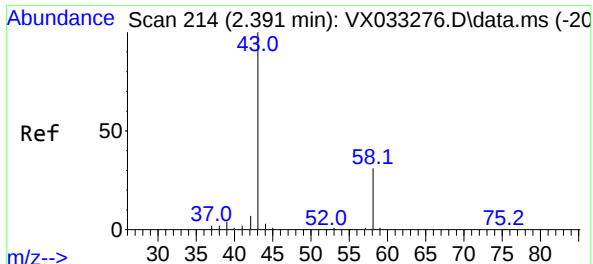
Tgt Ion:168 Resp: 112568
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#11
Tert butyl alcohol
Concen: 3.809 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.042 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

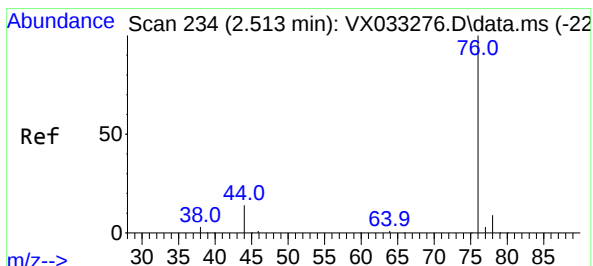
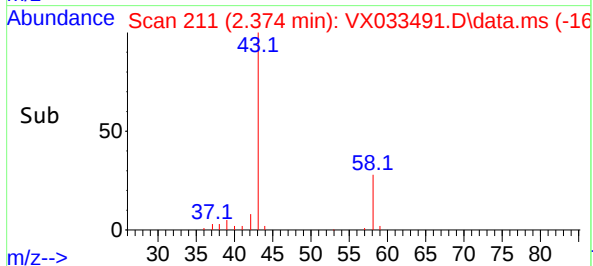
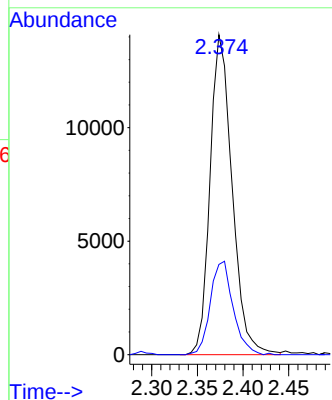
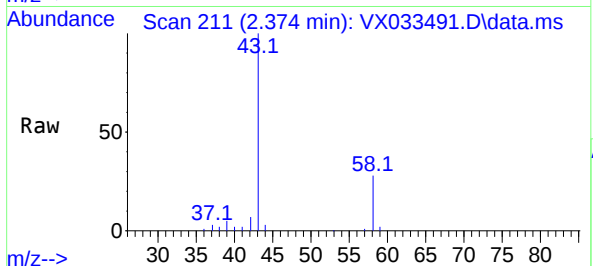




#16
Acetone
Concen: 44.365 ug/l
RT: 2.374 min Scan# 214
Delta R.T. -0.018 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

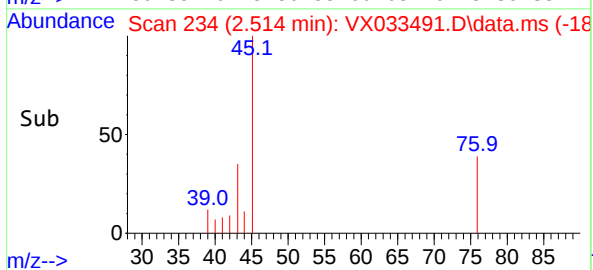
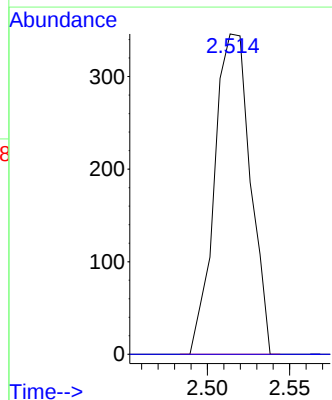
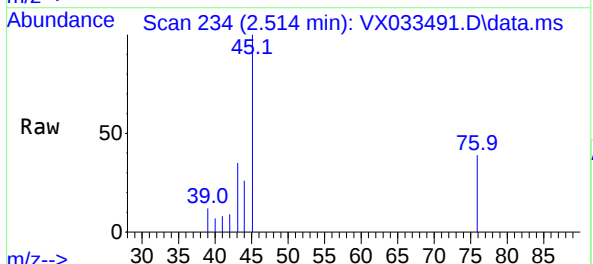
Instrument :
MSVOA_X
ClientSampleId :

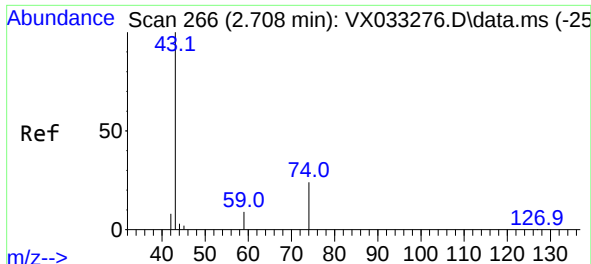
Tgt Ion: 43 Resp: 23708
Ion Ratio Lower Upper
43 100
58 28.2 23.8 35.8



#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 76 Resp: 526
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

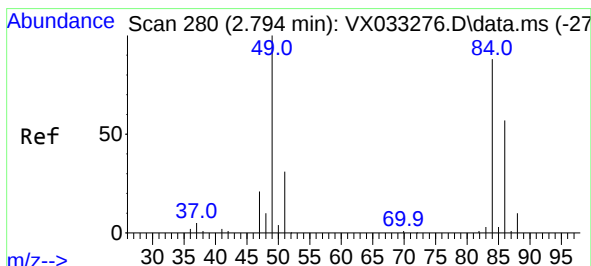
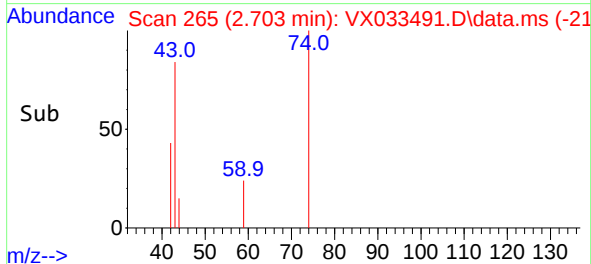
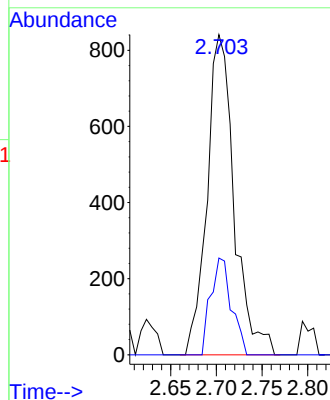
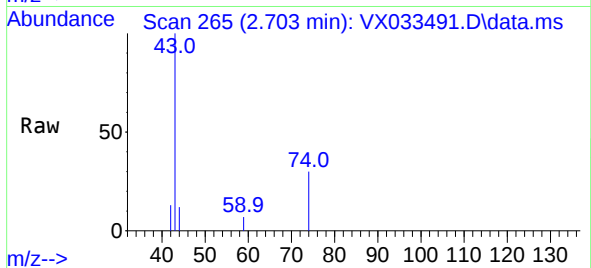




#18
Methyl Acetate
Concen: 1.120 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

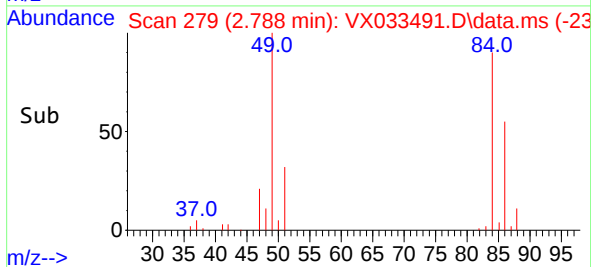
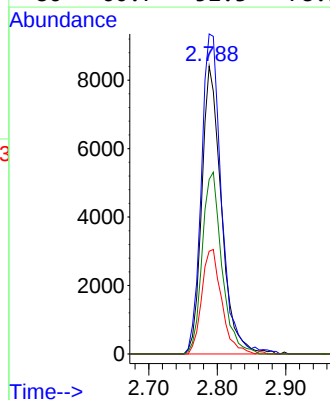
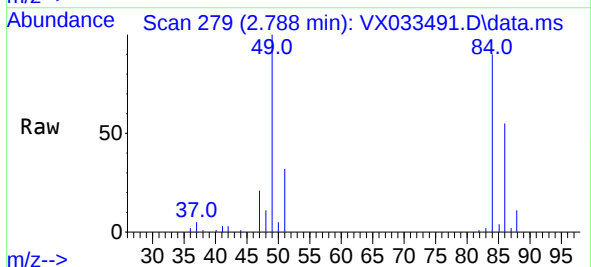
Instrument :
MSVOA_X
ClientSampleId :

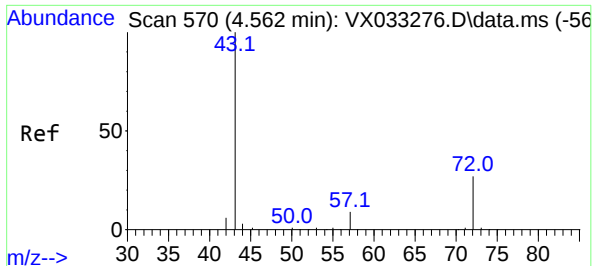
Tgt Ion: 43 Resp: 1732
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.0



#20
Methylene Chloride
Concen: 14.078 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 84 Resp: 16778
Ion Ratio Lower Upper
84 100
49 111.2 101.0 151.6
51 35.7 31.1 46.7
86 60.7 52.3 78.5





#25

2-Butanone

Concen: 4.902 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

Instrument :

MSVOA_X

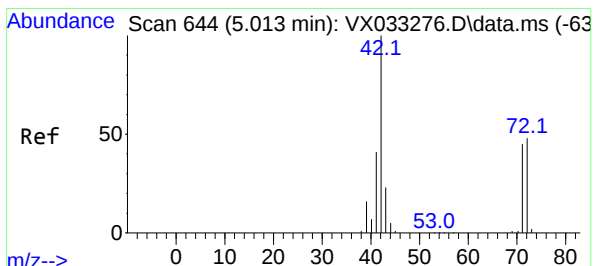
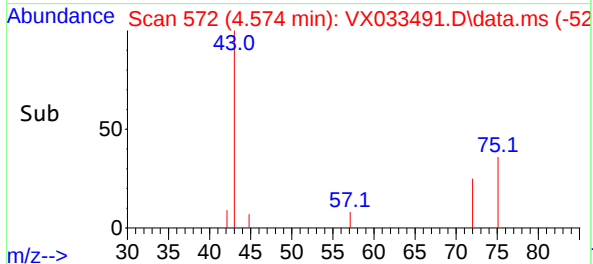
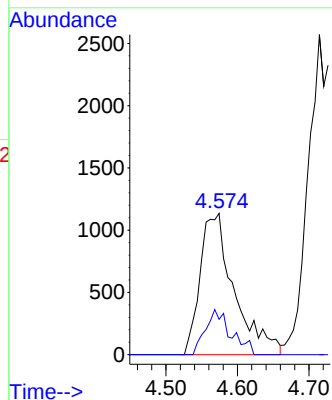
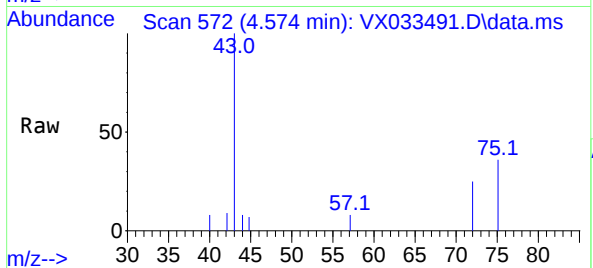
ClientSampleId :

Tgt Ion: 43 Resp: 3760

Ion Ratio Lower Upper

43 100

72 25.0 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.006 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

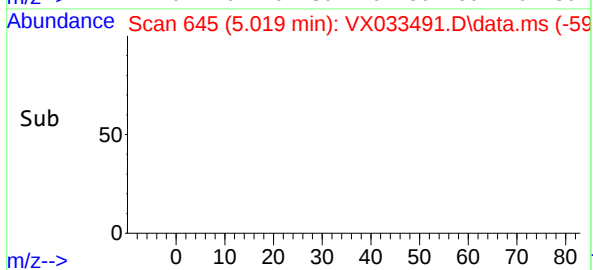
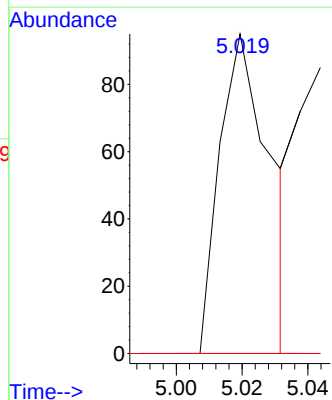
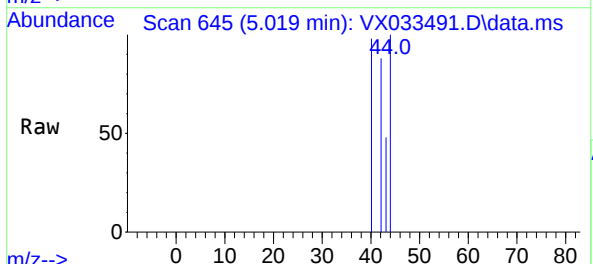
Tgt Ion: 42 Resp: 101

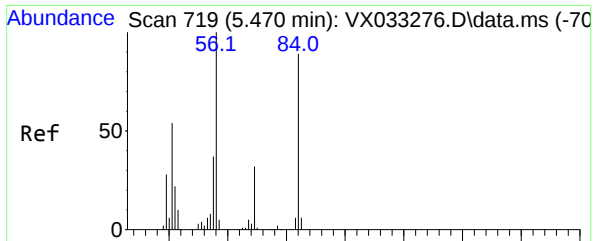
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

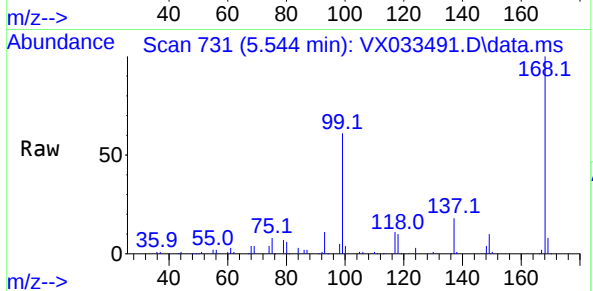
71 0.0 34.7 52.1#



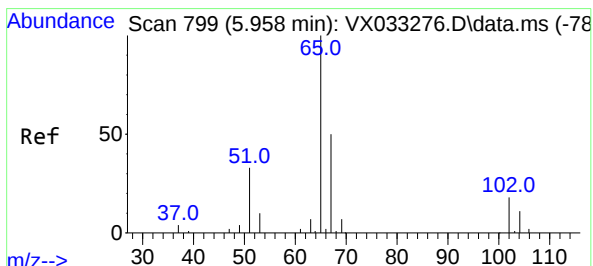
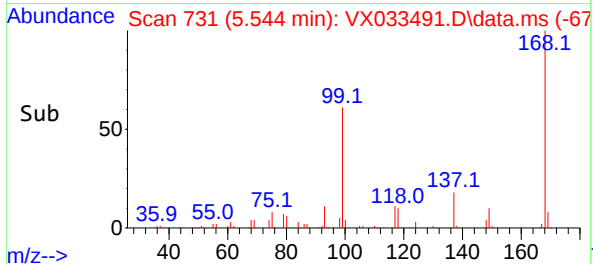
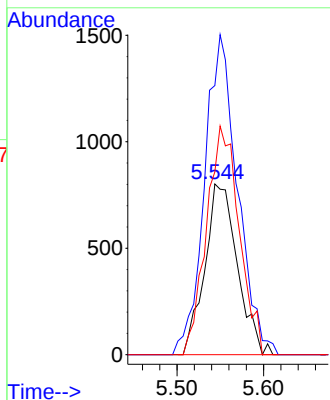


#31
Cyclohexane
Concen: 1.221 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Instrument :
MSVOA_X
ClientSampleId :

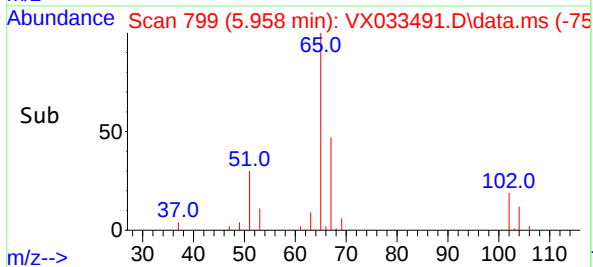
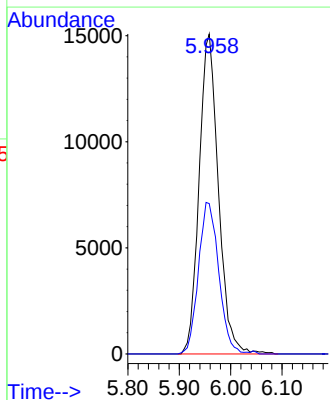
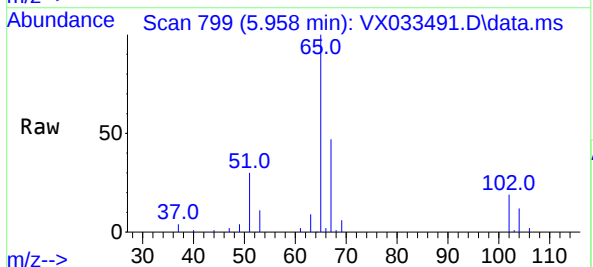


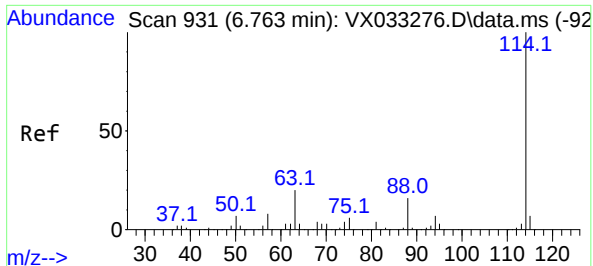
Tgt Ion: 56 Resp: 2096
Ion Ratio Lower Upper
56 100
69 157.6 24.1 36.1#
84 107.0 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.353 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 65 Resp: 39252
Ion Ratio Lower Upper
65 100
67 49.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

Instrument :

MSVOA_X

ClientSampleId :

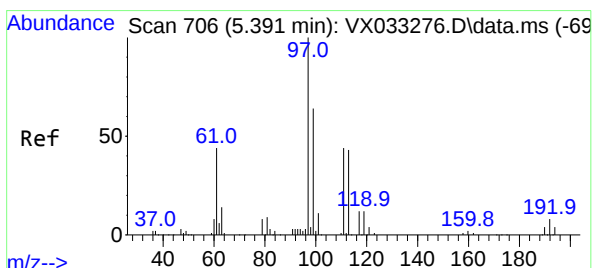
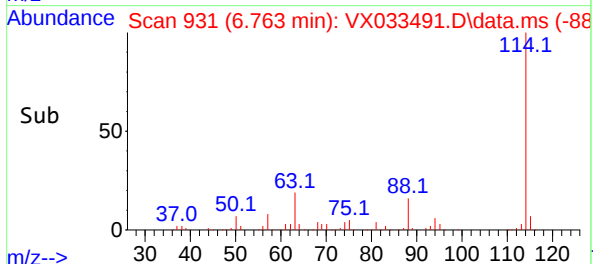
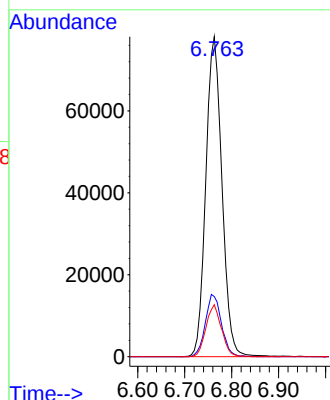
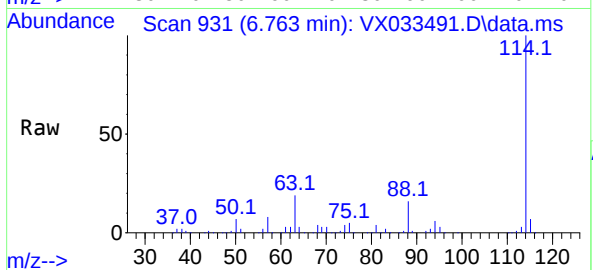
Tgt Ion:114 Resp: 185985

Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 16.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.451 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

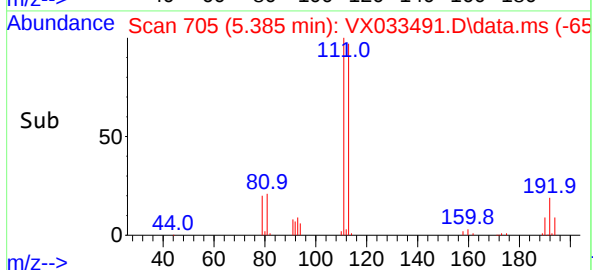
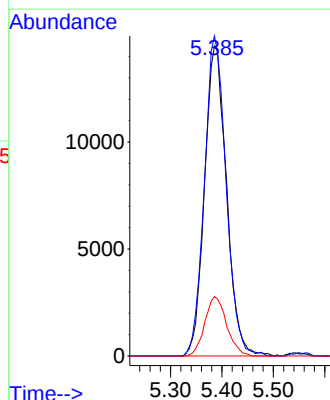
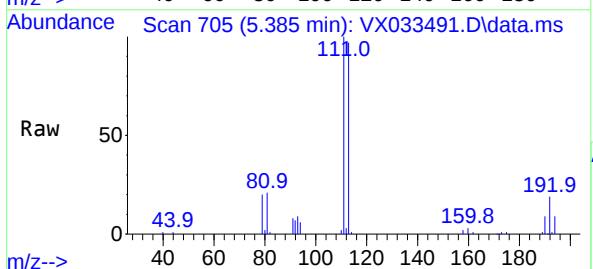
Tgt Ion:113 Resp: 43040

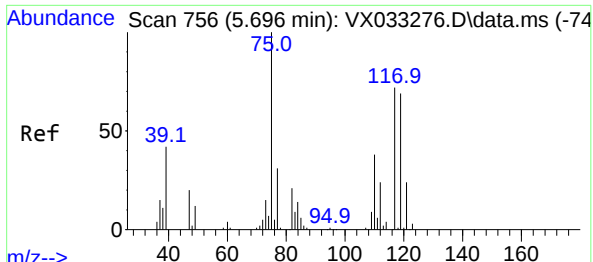
Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 19.0 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

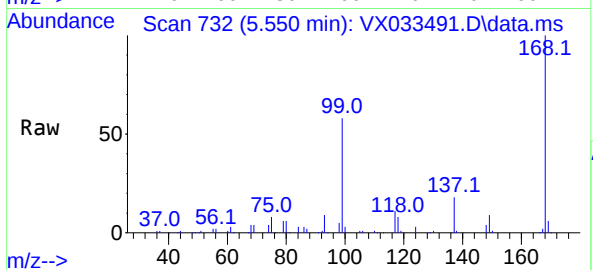
Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

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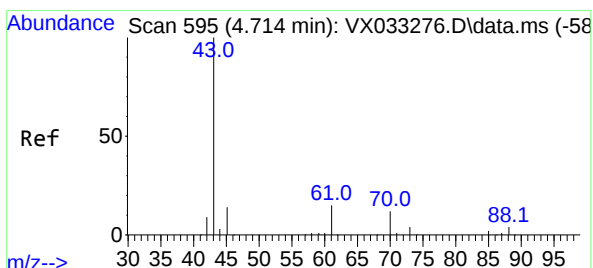
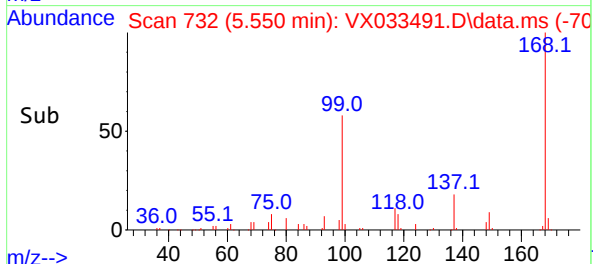
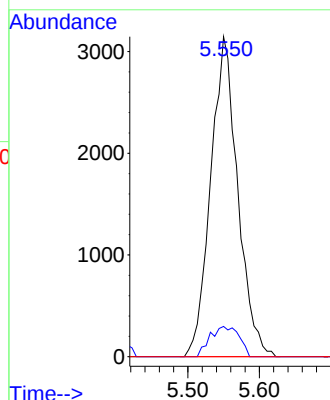
Tgt Ion: 75 Resp: 8259

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 5.234 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

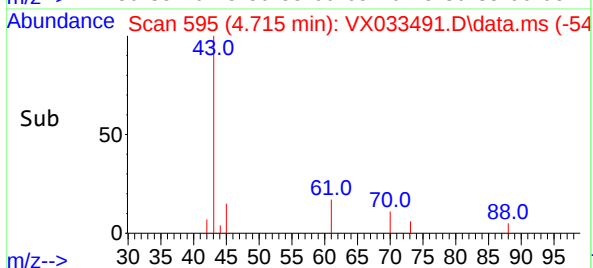
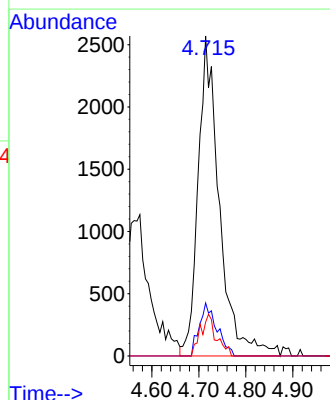
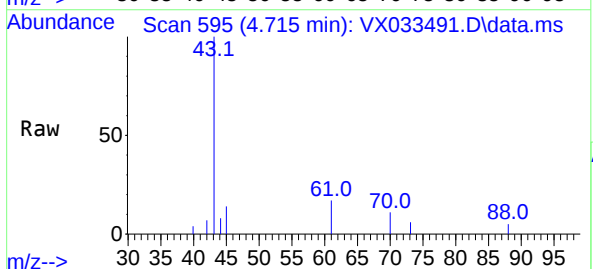
Tgt Ion: 43 Resp: 8069

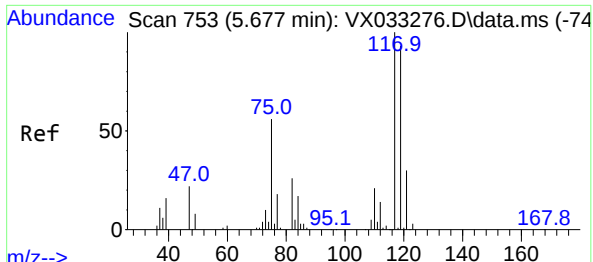
Ion Ratio Lower Upper

43 100

61 13.7 11.5 17.3

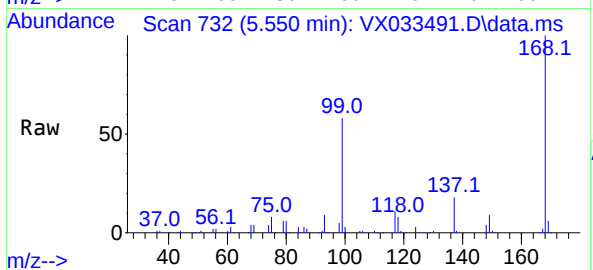
70 9.7 9.1 13.7



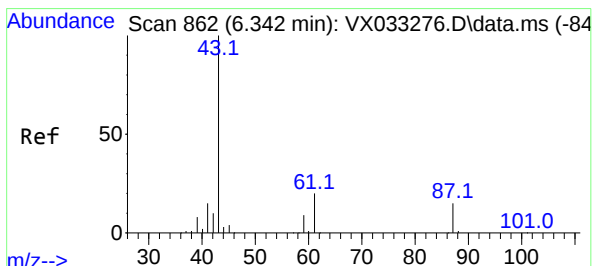
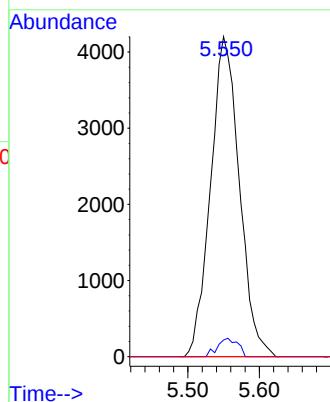
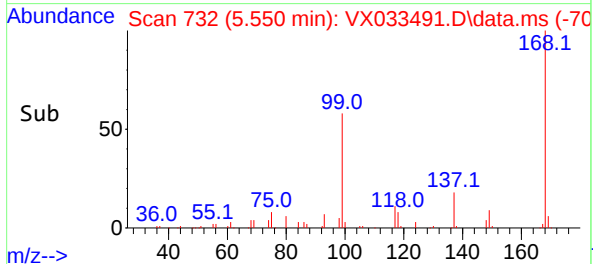


#38
Carbon Tetrachloride
Concen: 6.423 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Instrument :
MSVOA_X
ClientSampleId :

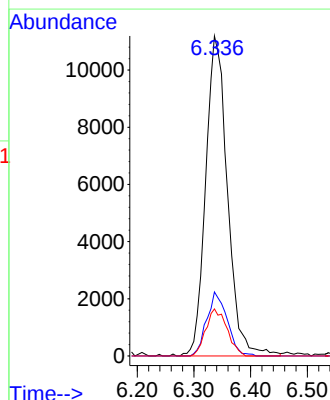
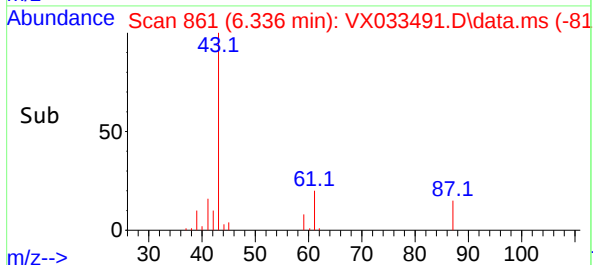
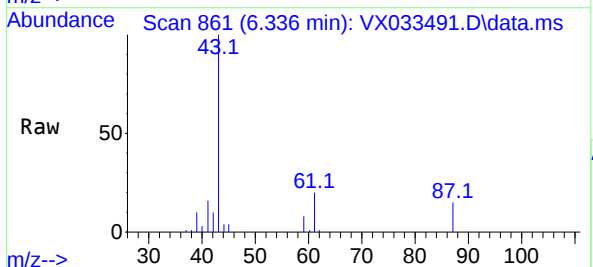


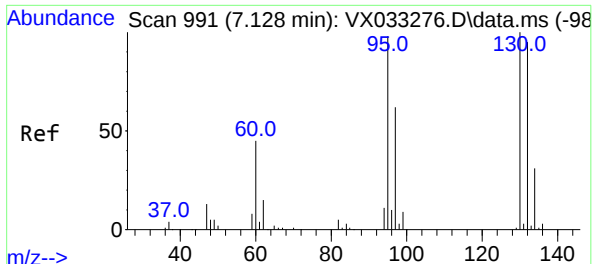
Tgt Ion:117 Resp: 11737
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 12.030 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 43 Resp: 29841
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0
87 14.3 10.8 16.2

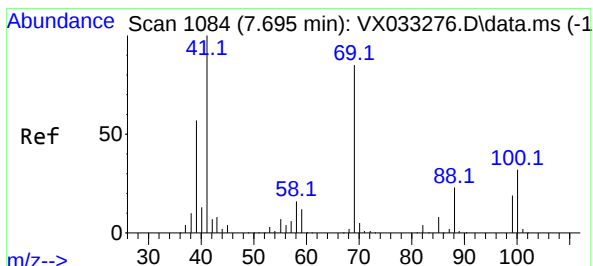
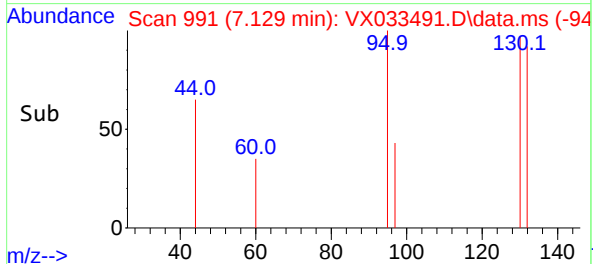
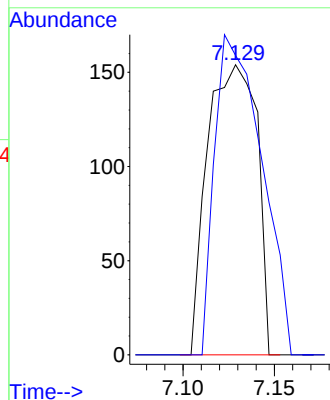
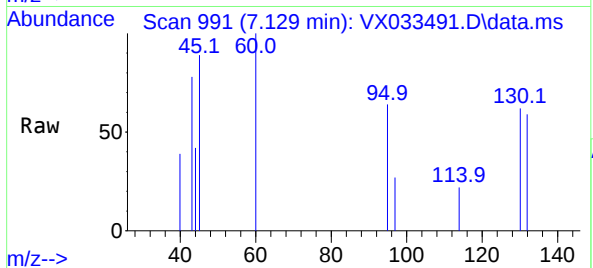




#44
Trichloroethene
Concen: 0.221 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

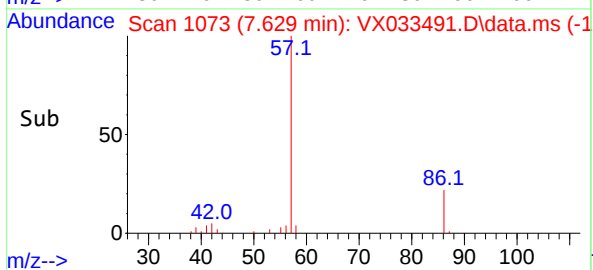
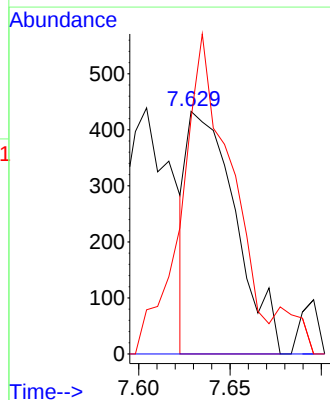
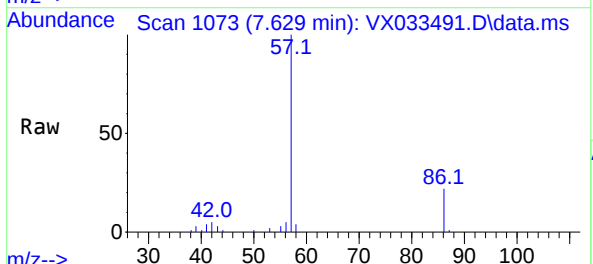
Instrument :
MSVOA_X
ClientSampleId :

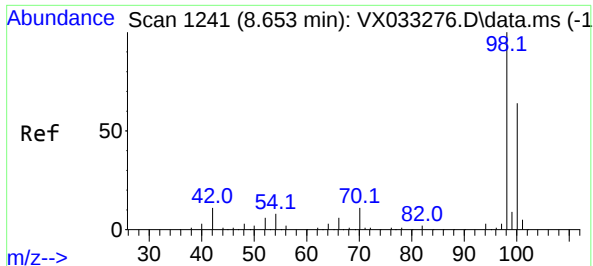
Tgt Ion:130 Resp: 290
Ion Ratio Lower Upper
130 100
95 103.2 0.0 195.2



#48
Methyl methacrylate
Concen: 0.619 ug/l
RT: 7.629 min Scan# 1073
Delta R.T. -0.067 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 41 Resp: 792
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 136.5 51.9 77.9#





#50

Toluene-d8

Concen: 50.604 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

Instrument :

MSVOA_X

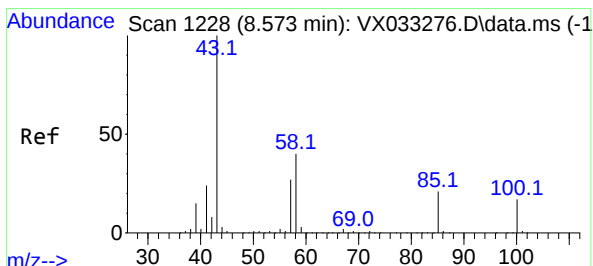
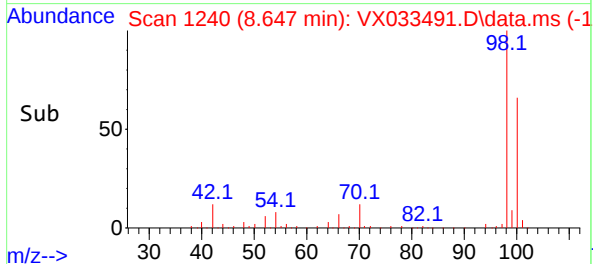
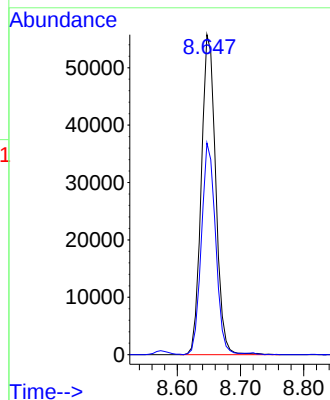
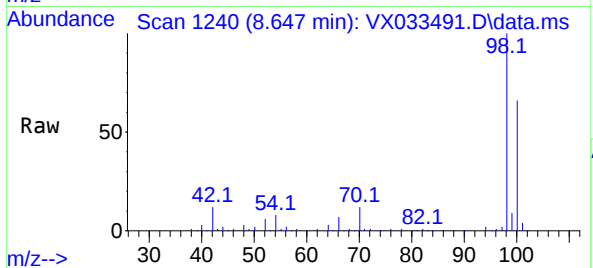
ClientSampleId :

Tgt Ion: 98 Resp: 88556

Ion Ratio Lower Upper

98 100

100 65.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 18.319 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX033491.D

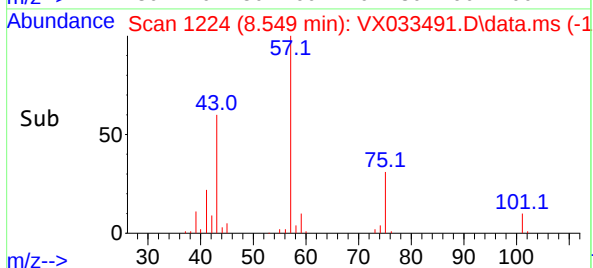
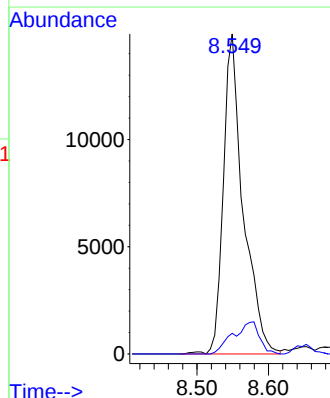
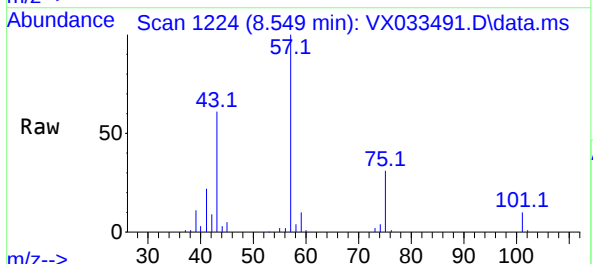
Acq: 19 Dec 2022 18:13

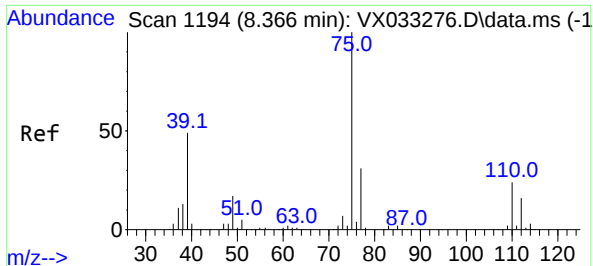
Tgt Ion: 43 Resp: 28737

Ion Ratio Lower Upper

43 100

58 0.0 30.9 46.3#

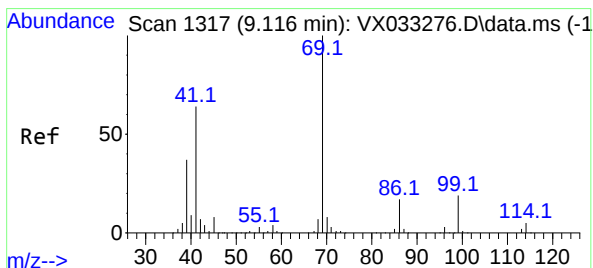
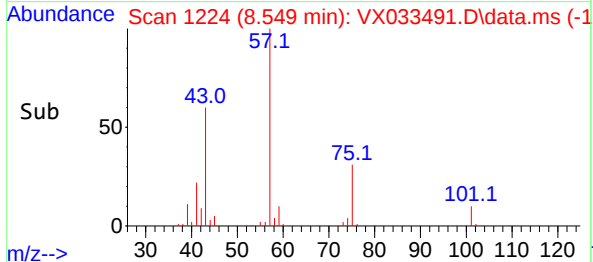
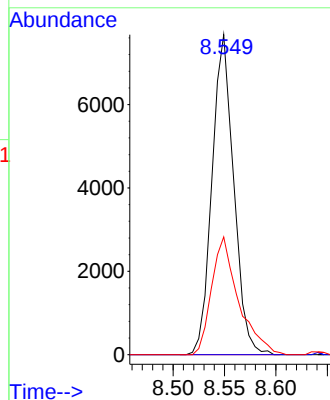
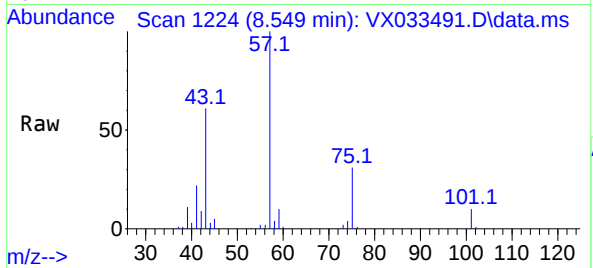




#54
cis-1,3-Dichloropropene
Concen: 5.860 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

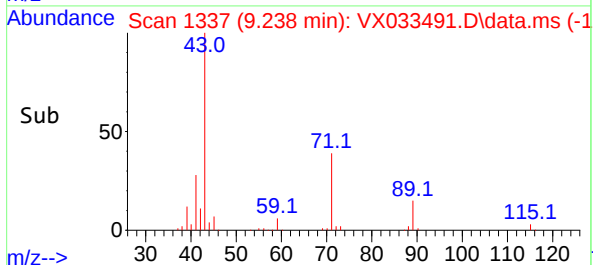
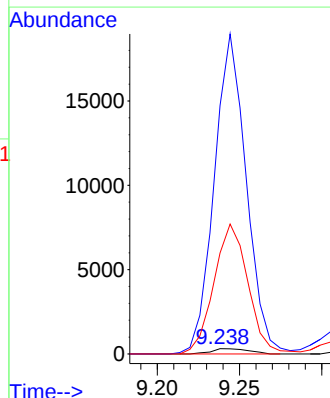
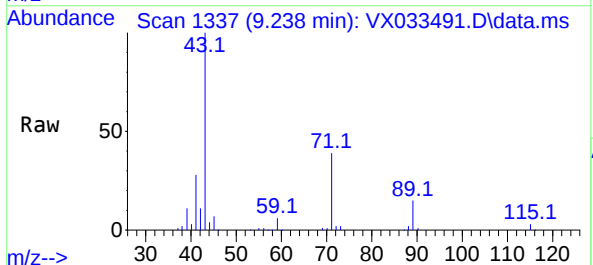
Instrument :
MSVOA_X
ClientSampleId :

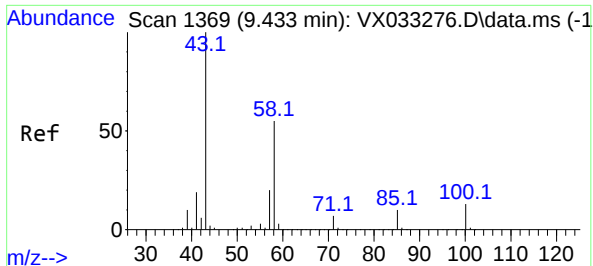
Tgt Ion: 75 Resp: 11262
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 36.8 45.5 68.3#



#56
Ethyl methacrylate
Concen: 0.270 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion: 69 Resp: 491
Ion Ratio Lower Upper
69 100
41 5245.6 54.3 81.5#
39 2267.6 35.2 52.8#





#59

2-Hexanone

Concen: 49.531 ug/l

RT: 9.378 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

Instrument :

MSVOA_X

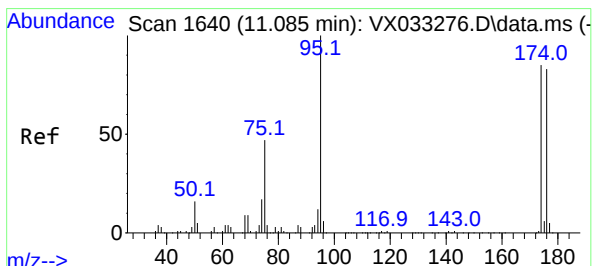
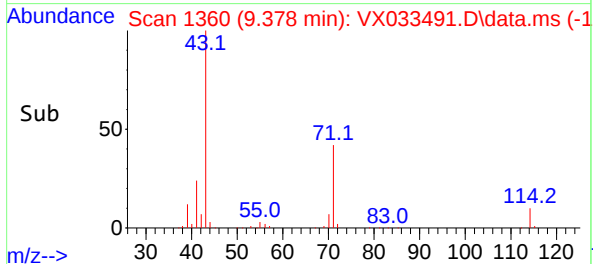
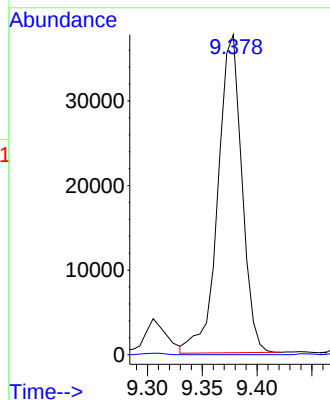
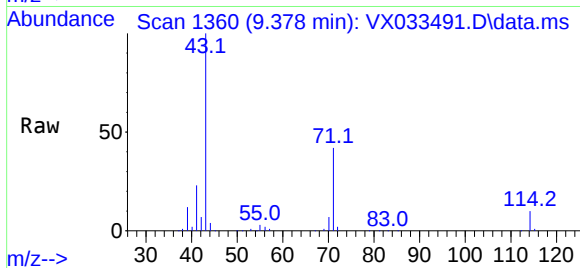
ClientSampleId :

Tgt Ion: 43 Resp: 57259

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 49.125 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033491.D

Acq: 19 Dec 2022 18:13

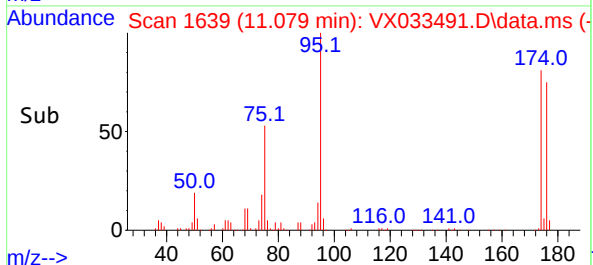
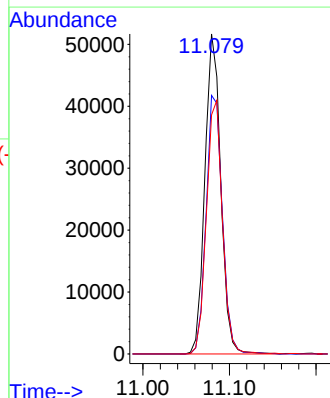
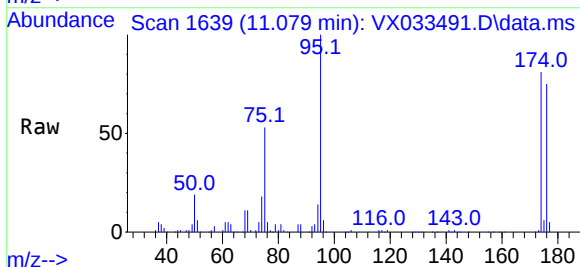
Tgt Ion: 95 Resp: 65732

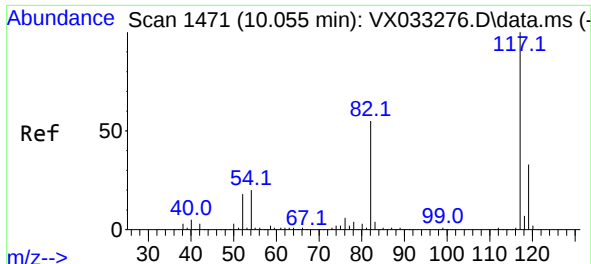
Ion Ratio Lower Upper

95 100

174 83.1 0.0 164.0

176 80.4 0.0 154.4

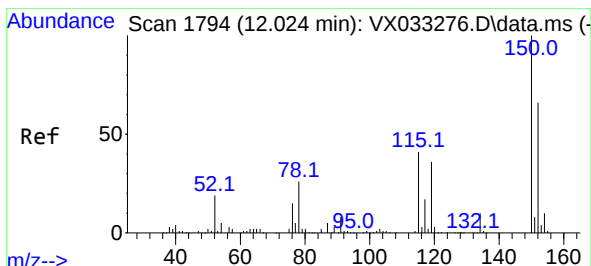
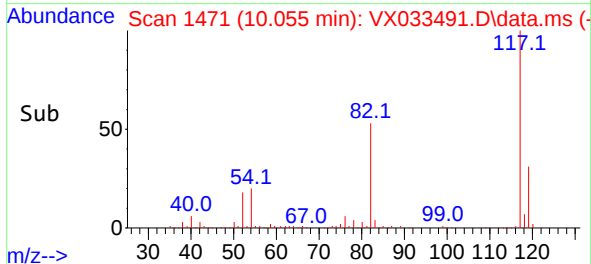
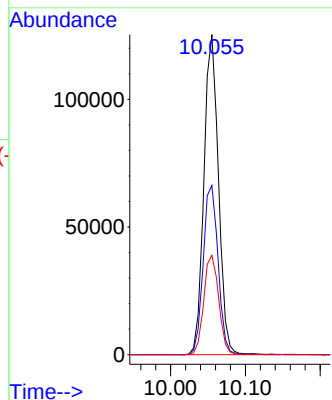
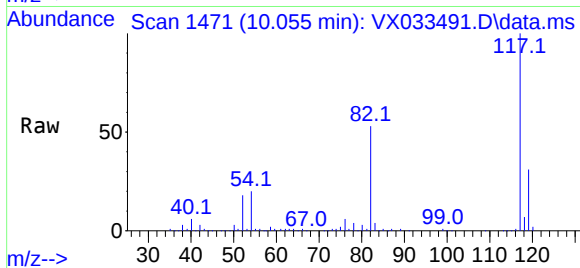




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

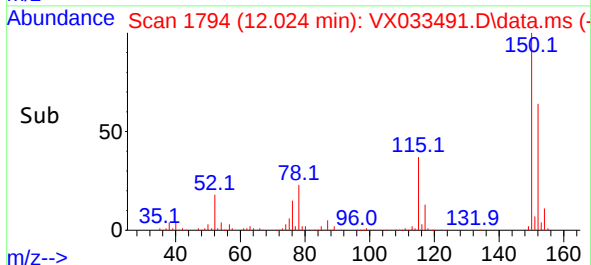
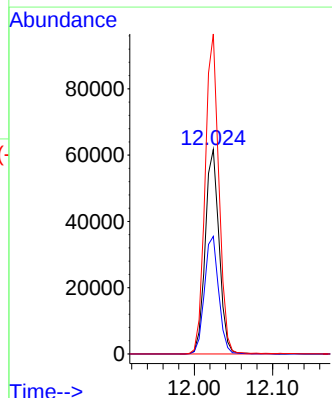
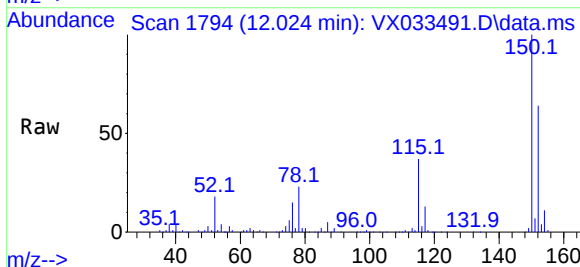
Instrument :
MSVOA_X
ClientSampleId :

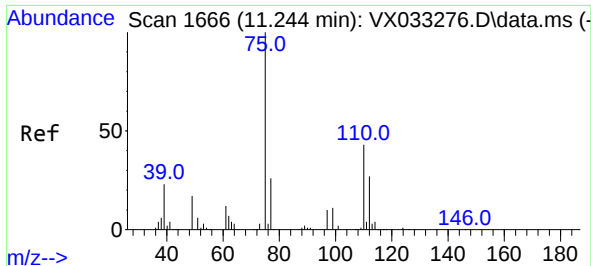
Tgt Ion:117 Resp: 169318
Ion Ratio Lower Upper
117 100
82 52.9 44.3 66.5
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion:152 Resp: 75760
Ion Ratio Lower Upper
152 100
115 58.8 44.0 132.0
150 155.0 0.0 351.8

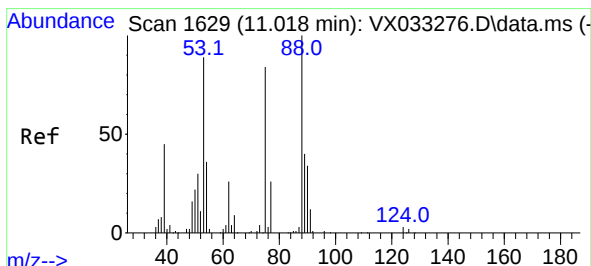
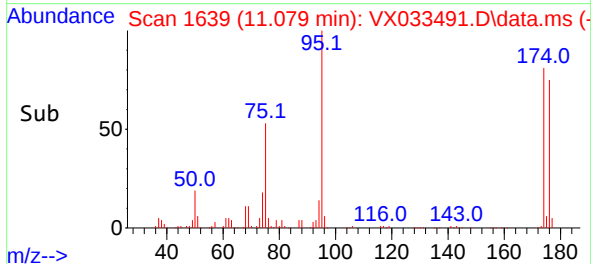
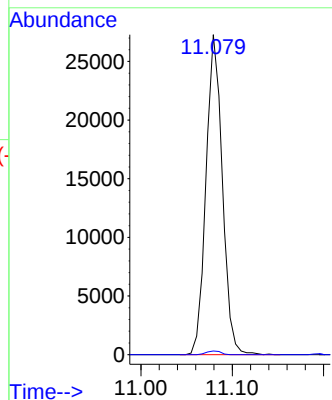
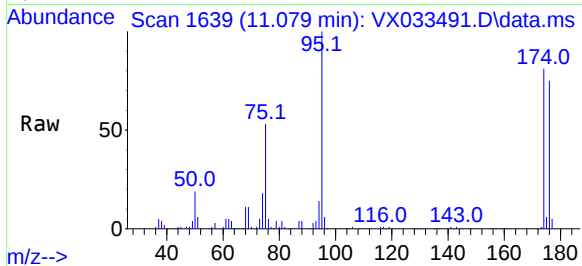




#76
1,2,3-Trichloropropane
Concen: 21.896 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

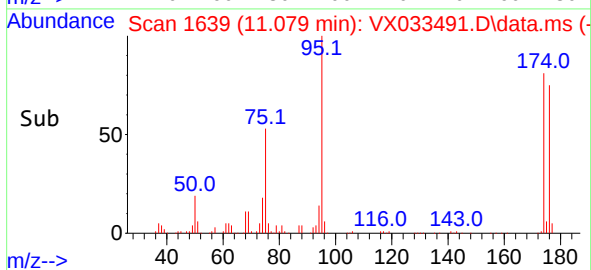
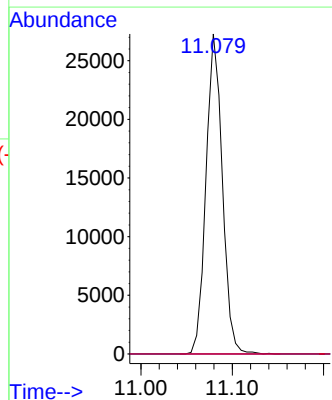
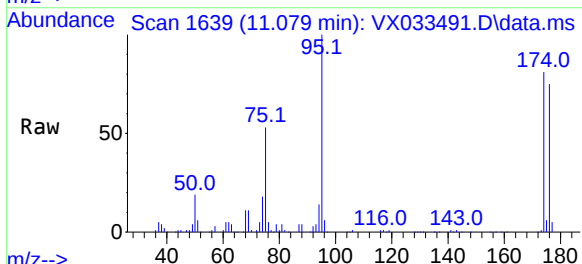
Instrument :
MSVOA_X
ClientSampleId :

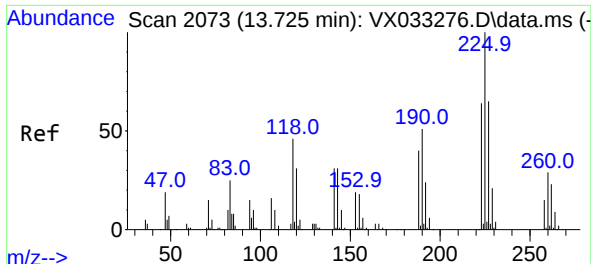
Tgt Ion: 75 Resp: 33749
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.111 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

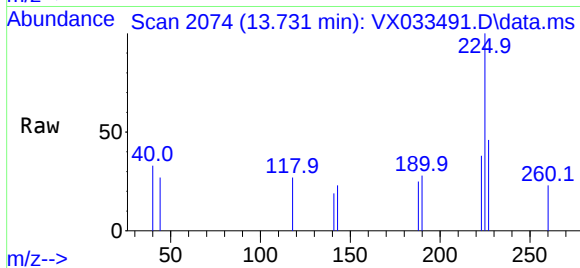
Tgt Ion: 75 Resp: 33749
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



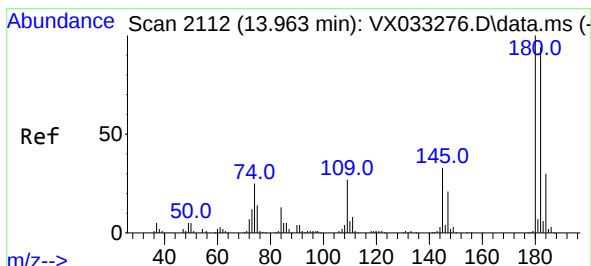
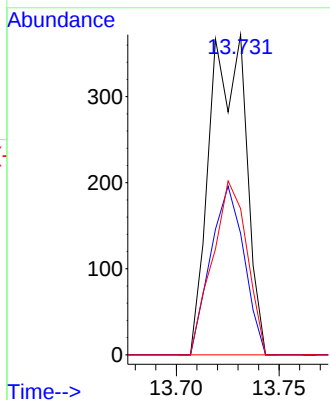
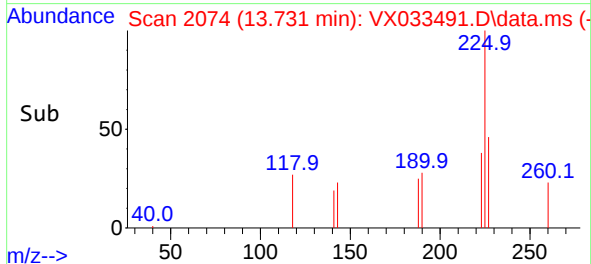


#94
Hexachlorobutadiene
Concen: 0.756 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:225 Resp: 459
Ion Ratio Lower Upper
225 100
223 48.1 31.9 95.9
227 51.2 31.9 95.5



#96
1,2,3-Trichlorobenzene
Concen: 0.213 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033491.D
Acq: 19 Dec 2022 18:13

Tgt Ion:180 Resp: 327
Ion Ratio Lower Upper
180 100
182 71.6 47.5 142.6
145 27.2 16.9 50.6

