

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034595.D
 Acq On : 17 Mar 2023 19:30
 Operator : JC/MD
 Sample : PB151466ZHE#16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#16

Quant Time: Mar 20 00:07:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

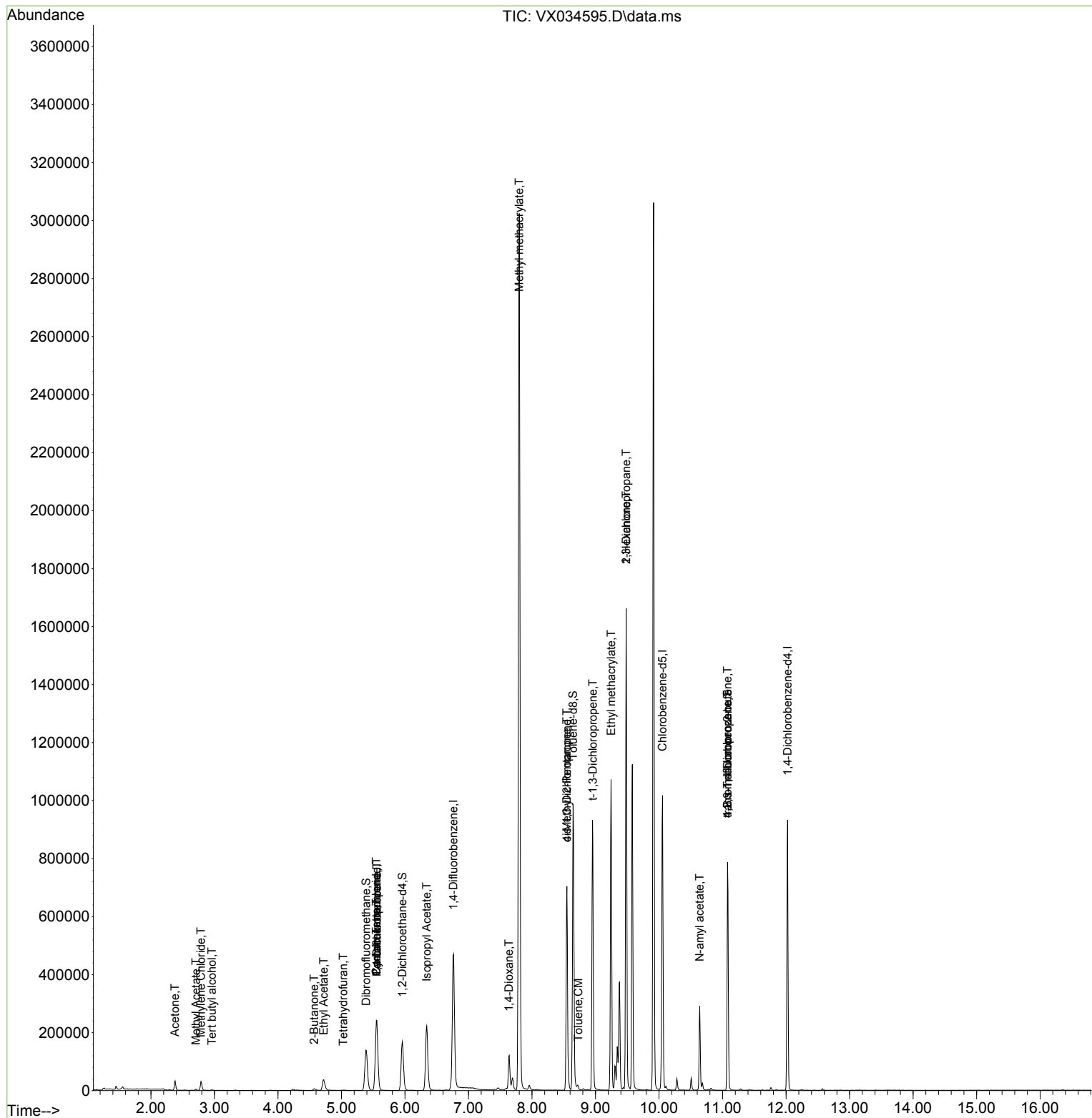
Internal Standards						
1) Pentafluorobenzene	5.556	168	228005	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	448956	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157278	47.416	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.840%		
35) Dibromofluoromethane	5.385	113	122135	41.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.400%		
50) Toluene-d8	8.647	98	560442	50.647	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.300%		
62) 4-Bromofluorobenzene	11.079	95	209748	46.927	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	310	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	1921	2.781	ug/l #	91
16) Acetone	2.380	43	33556	21.476	ug/l	99
18) Methyl Acetate	2.709	43	5287	1.036	ug/l	95
20) Methylene Chloride	2.788	84	12909	4.257	ug/l	99
25) 2-Butanone	4.568	43	10747	4.807	ug/l	95
29) Tetrahydrofuran	5.026	42	1120	0.812	ug/l	90
31) Cyclohexane	5.550	56	5861	1.260	ug/l #	37
36) 1,1-Dichloropropene	5.556	75	19059	4.186	ug/l #	49
37) Ethyl Acetate	4.721	43	67519	13.575	ug/l	98
38) Carbon Tetrachloride	5.550	117	22291	4.922	ug/l #	16
43) Isopropyl Acetate	6.342	43	307591	36.505	ug/l	99
48) Methyl methacrylate	7.799	41	279492	68.968	ug/l #	46
49) 1,4-Dioxane	7.635	88	19	0.223	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	252093	51.573	ug/l #	49
52) Toluene	8.726	92	4947	0.600	ug/l	95
53) t-1,3-Dichloropropene	8.958	75	1949	0.378	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	106829	19.155	ug/l #	60
56) Ethyl methacrylate	9.244	69	2179	0.406	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	13058	2.245	ug/l #	42
59) 2-Hexanone	9.482	43	202241	53.524	ug/l #	51
74) N-amyl acetate	10.640	43	81180	12.380	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	115066	28.290	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	115066	76.534	ug/l #	8

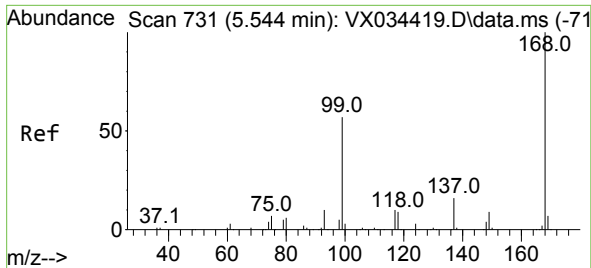
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB151466ZHE#16
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Instrument :
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Quant Time: Mar 20 00:07:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

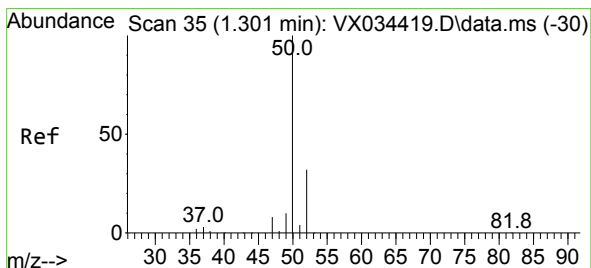
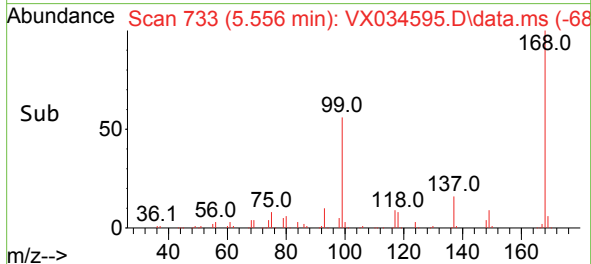
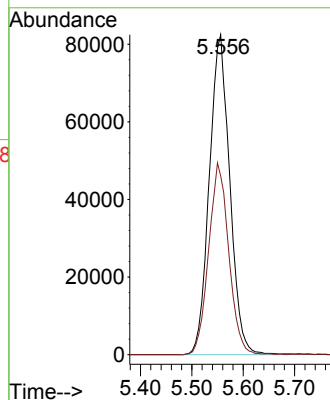
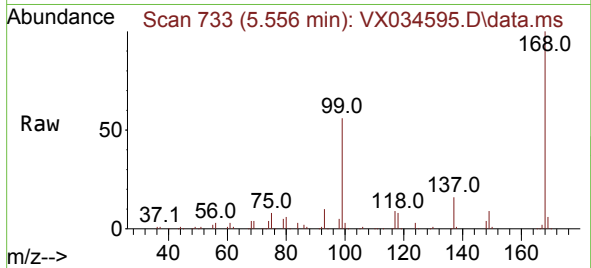




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

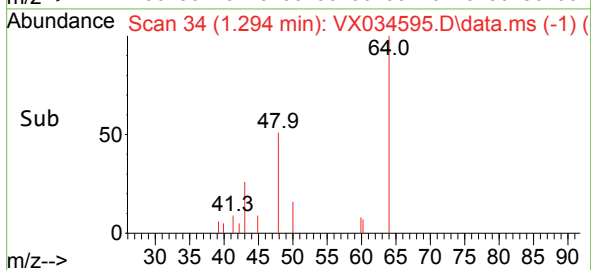
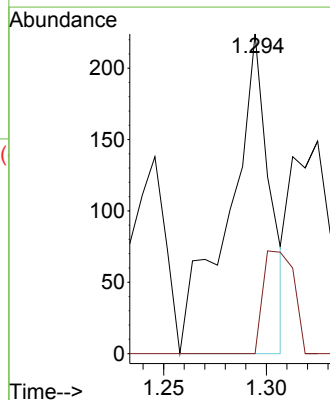
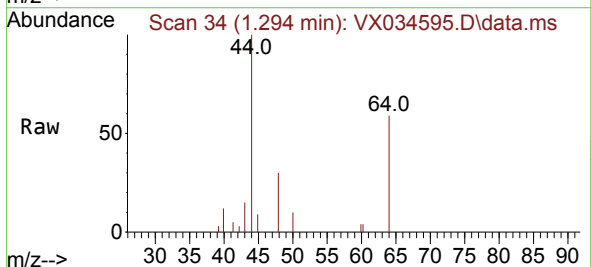
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

Tgt Ion:168 Resp: 228005
Ion Ratio Lower Upper
168 100
99 55.8 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 2.781 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034595.D

Acq: 17 Mar 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

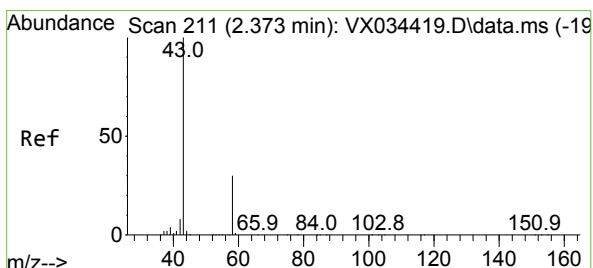
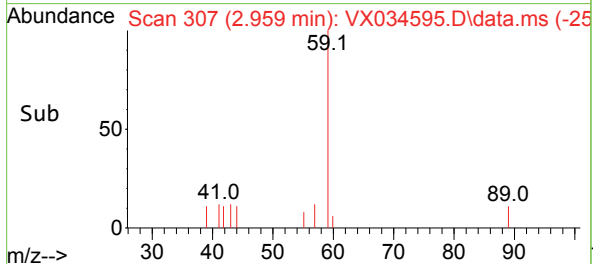
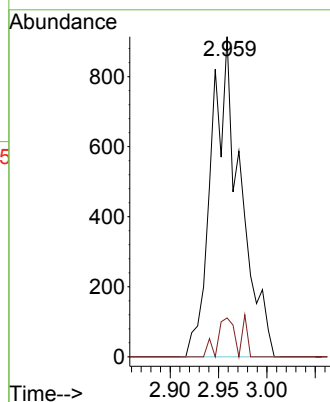
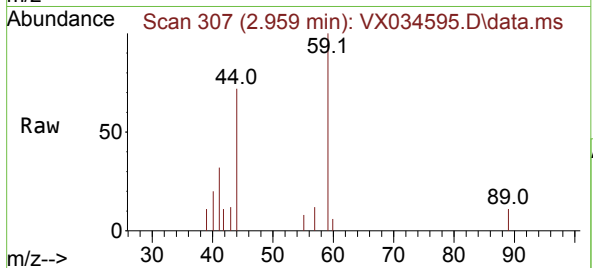
PB151466ZHE#16

Tgt Ion: 59 Resp: 1921

Ion Ratio Lower Upper

59 100

57 6.8 8.1 12.1#



#16

Acetone

Concen: 21.476 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034595.D

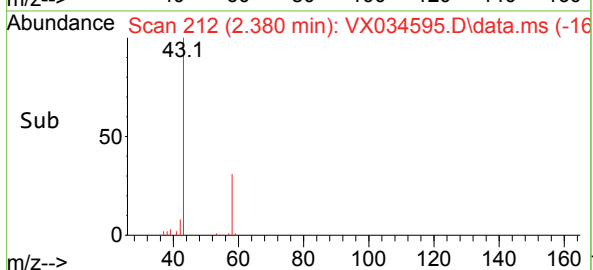
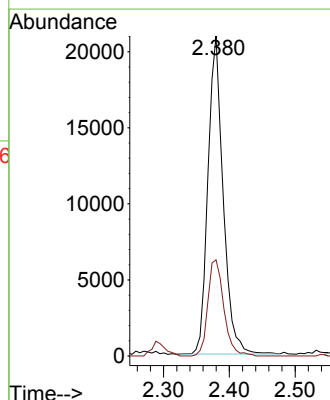
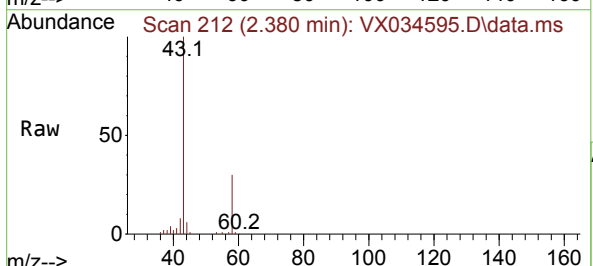
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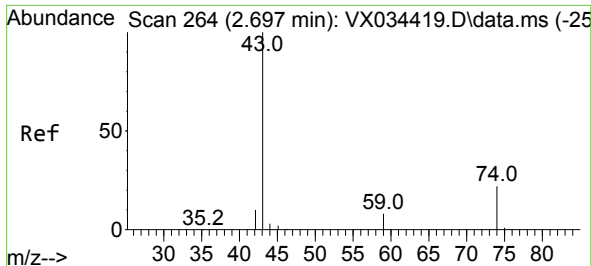
Tgt Ion: 43 Resp: 33556

Ion Ratio Lower Upper

43 100

58 30.2 24.7 37.1

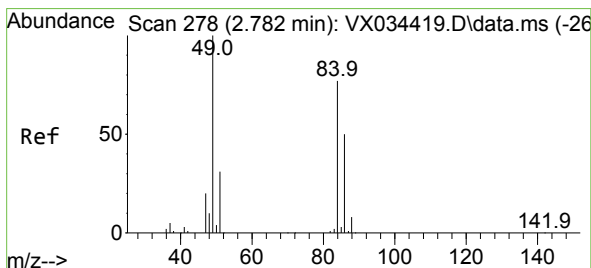
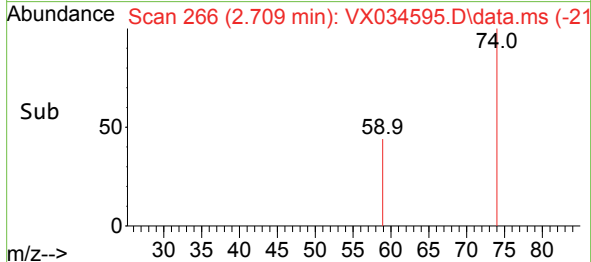
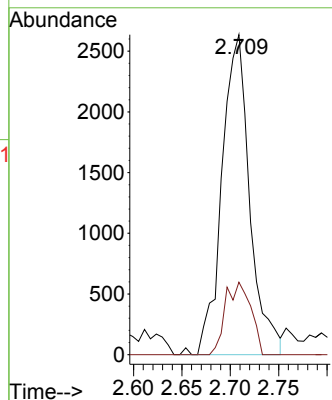
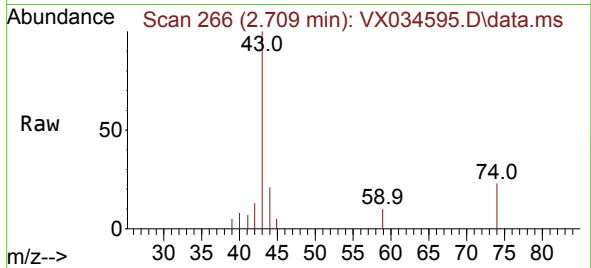




#18
Methyl Acetate
Concen: 1.036 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

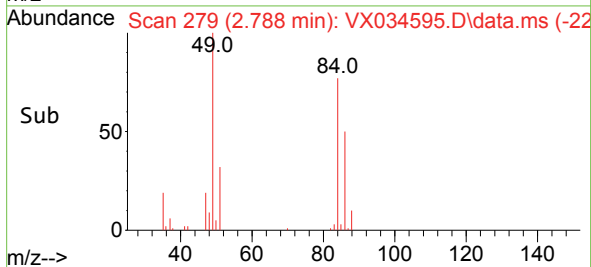
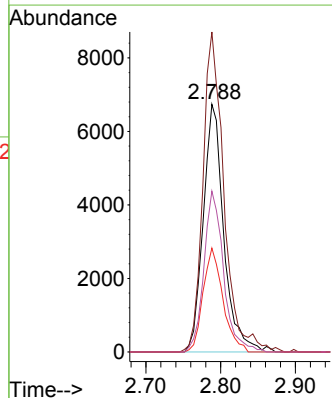
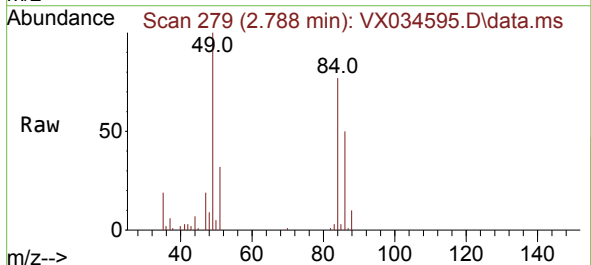
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

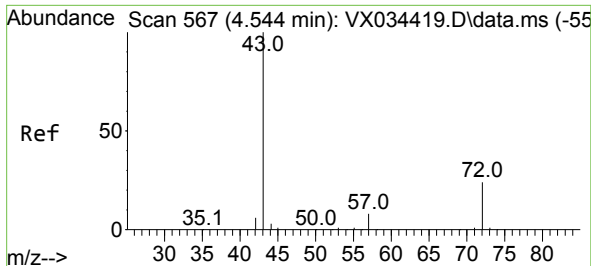
Tgt Ion: 43 Resp: 5287
Ion Ratio Lower Upper
43 100
74 20.6 18.3 27.5



#20
Methylene Chloride
Concen: 4.257 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 84 Resp: 12909
Ion Ratio Lower Upper
84 100
49 129.2 103.8 155.8
51 41.9 31.8 47.8
86 64.9 51.4 77.2

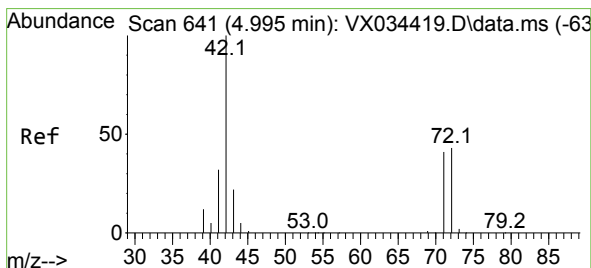
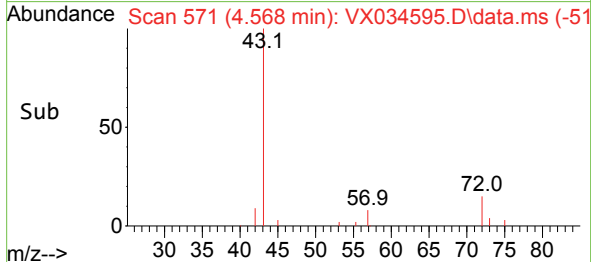
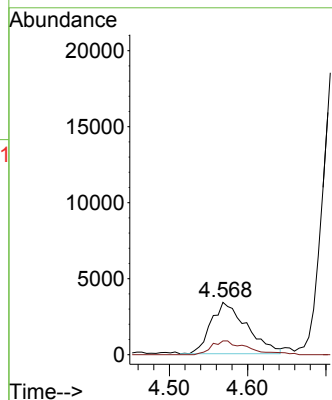
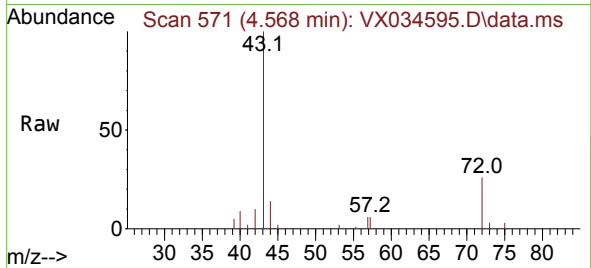




#25
2-Butanone
Concen: 4.807 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

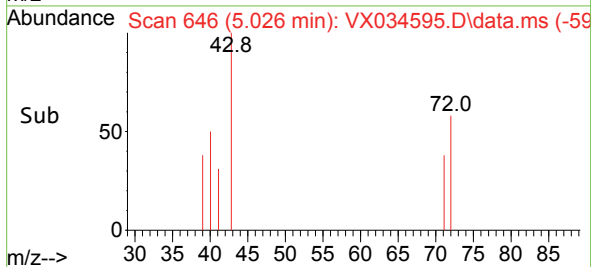
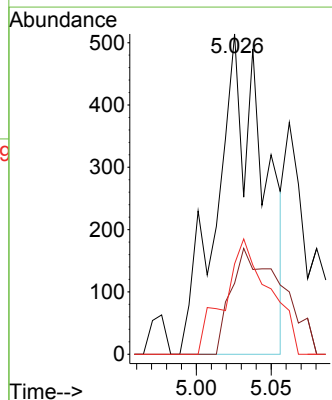
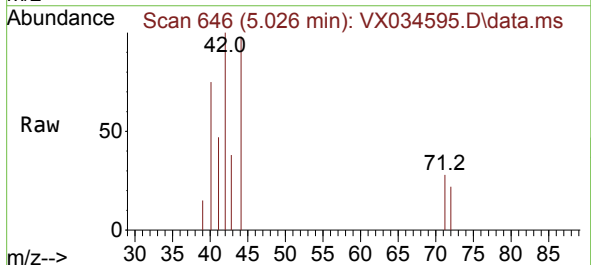
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

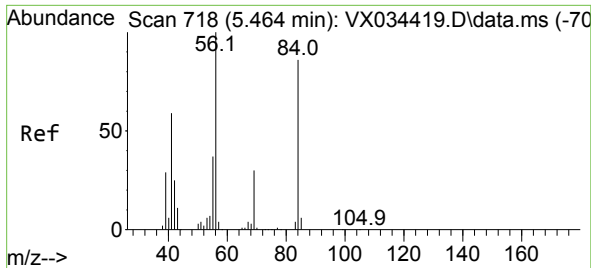
Tgt Ion: 43 Resp: 10747
Ion Ratio Lower Upper
43 100
72 26.8 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.812 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.031 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 42 Resp: 1120
Ion Ratio Lower Upper
42 100
72 35.8 34.5 51.7
71 34.6 32.1 48.1

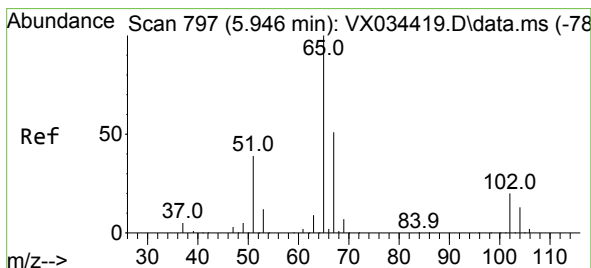
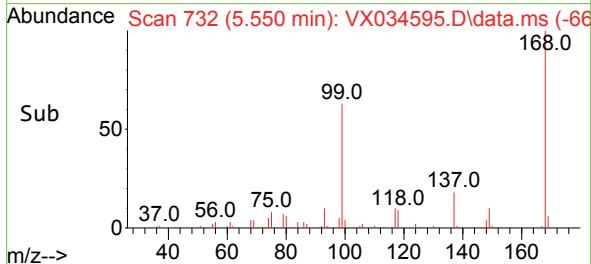
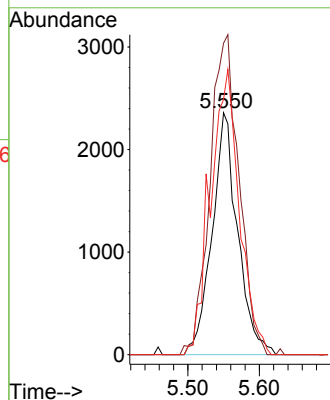
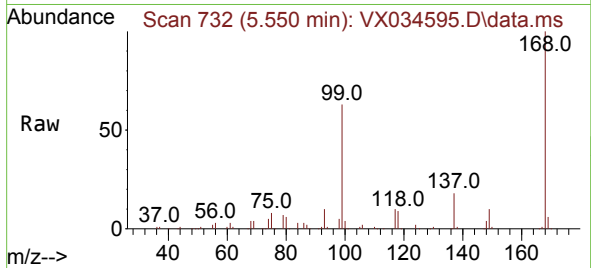




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

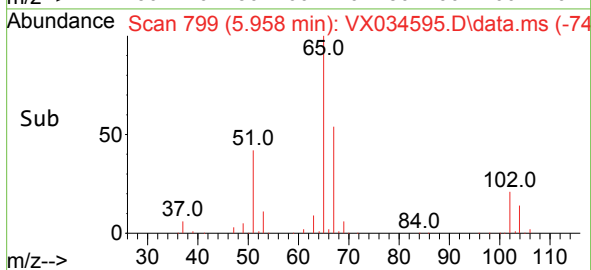
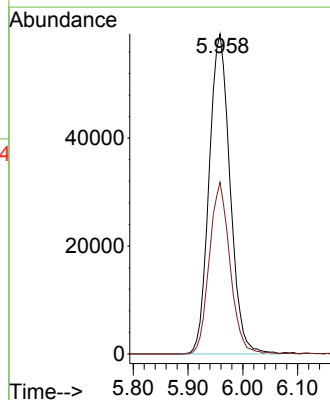
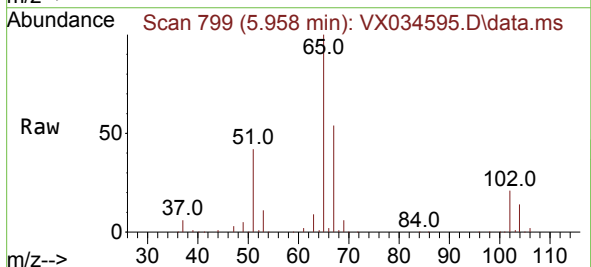
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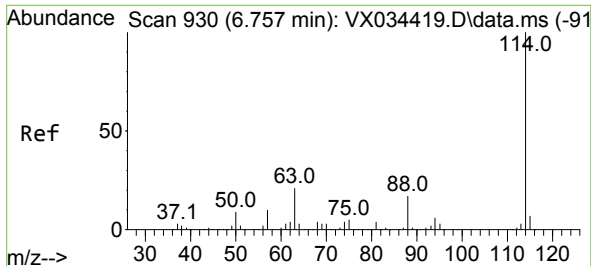
Tgt Ion: 56 Resp: 5861
Ion Ratio Lower Upper
56 100
69 128.7 23.7 35.5#
84 105.5 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.416 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 65 Resp: 157278
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.0

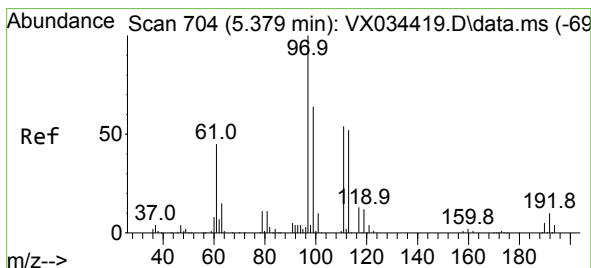
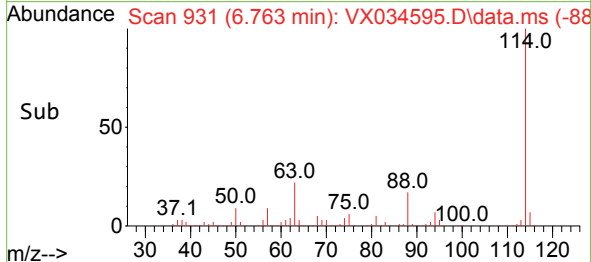
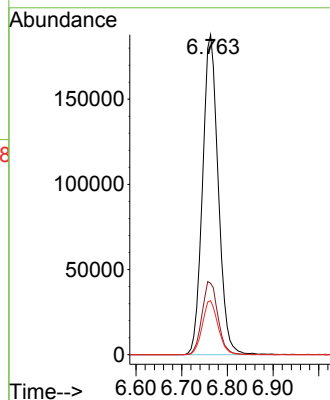
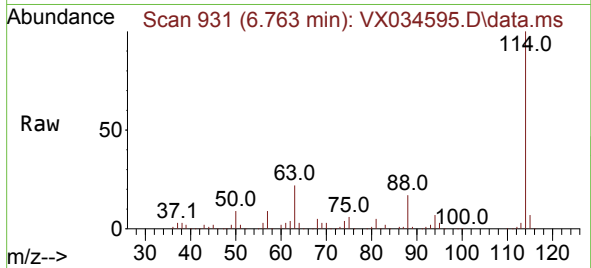




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

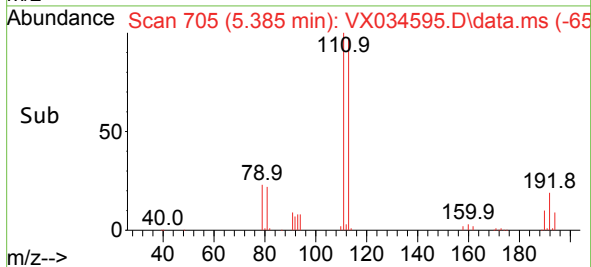
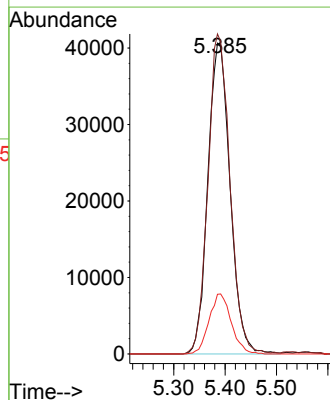
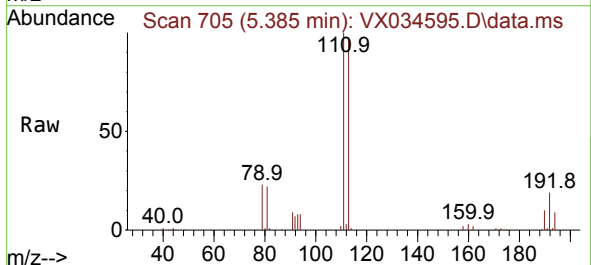
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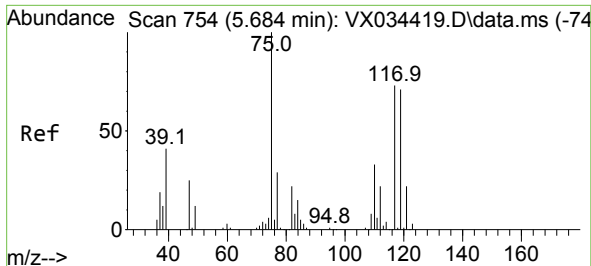
Tgt Ion:114 Resp: 448956
Ion Ratio Lower Upper
114 100
63 22.3 0.0 42.2
88 16.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 41.203 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion:113 Resp: 122135
Ion Ratio Lower Upper
113 100
111 101.8 83.7 125.5
192 19.2 15.4 23.2

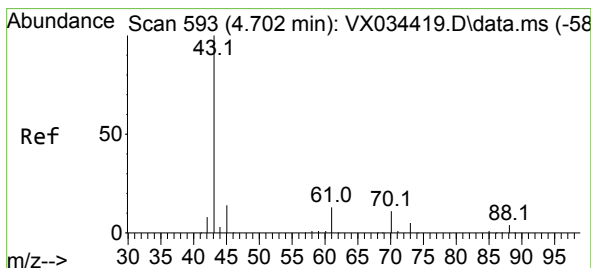
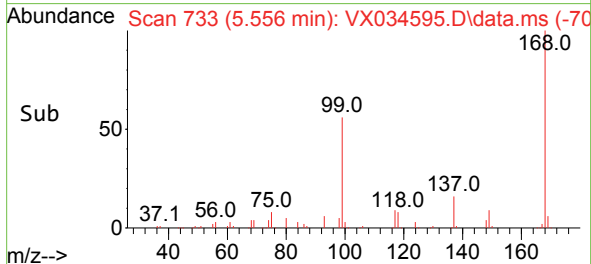
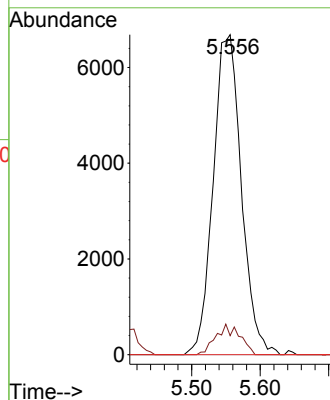
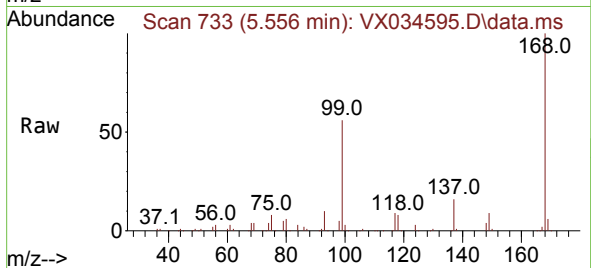




#36
1,1-Dichloropropene
Concen: 4.186 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

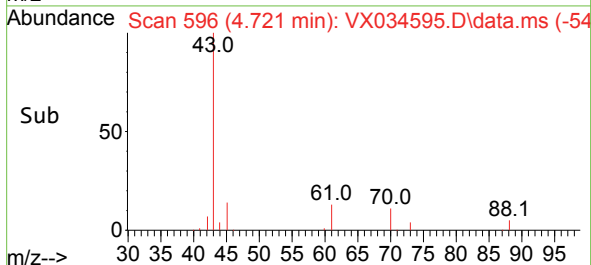
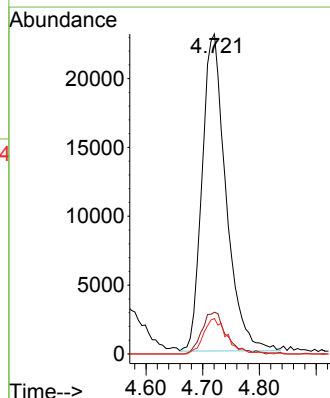
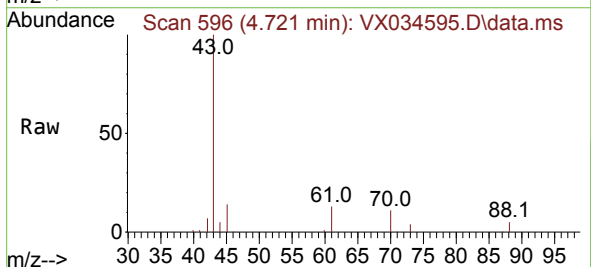
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

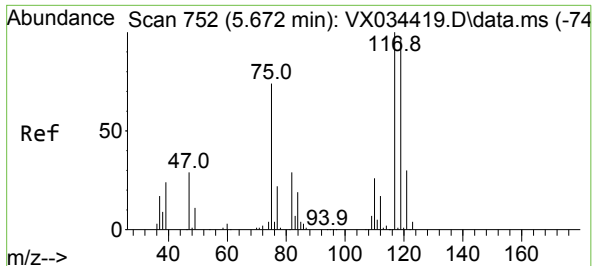
Tgt Ion: 75 Resp: 19059
Ion Ratio Lower Upper
75 100
110 8.1 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 13.575 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.018 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

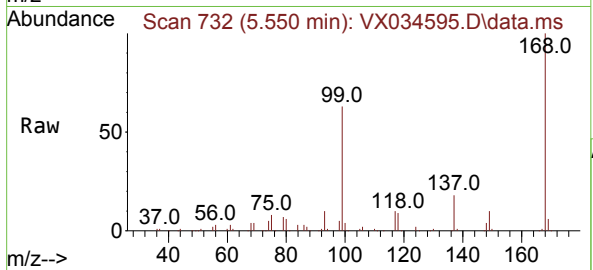
Tgt Ion: 43 Resp: 67519
Ion Ratio Lower Upper
43 100
61 13.6 10.2 15.4
70 10.8 8.2 12.4



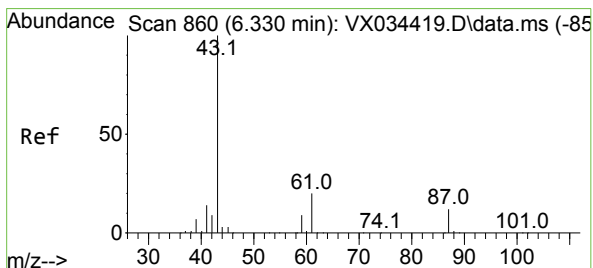
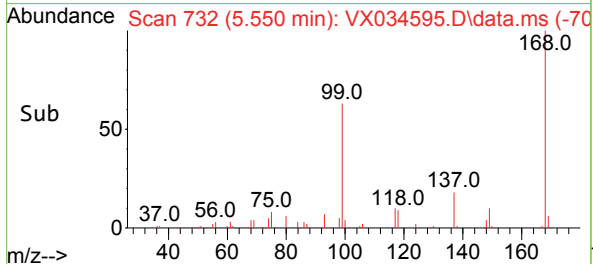
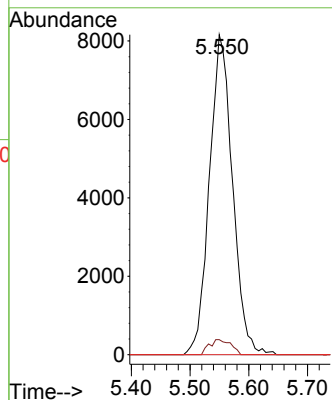


#38
Carbon Tetrachloride
Concen: 4.922 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

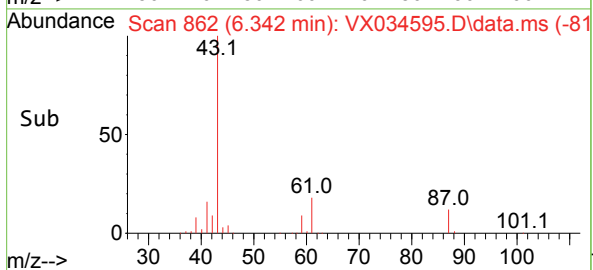
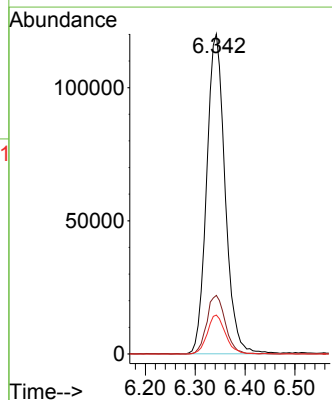
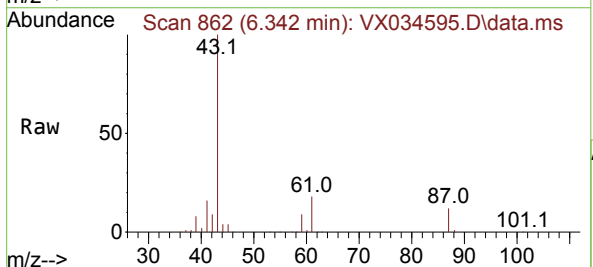


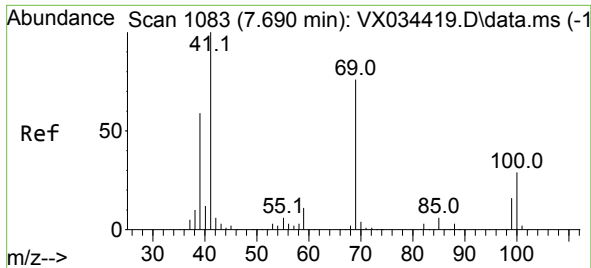
Tgt Ion:117 Resp: 22291
Ion Ratio Lower Upper
117 100
119 4.7 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 36.505 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 43 Resp: 307591
Ion Ratio Lower Upper
43 100
61 18.5 15.2 22.8
87 12.0 9.8 14.8

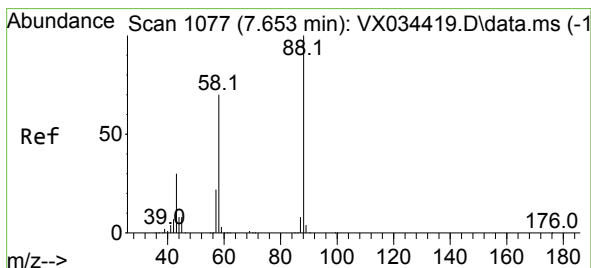
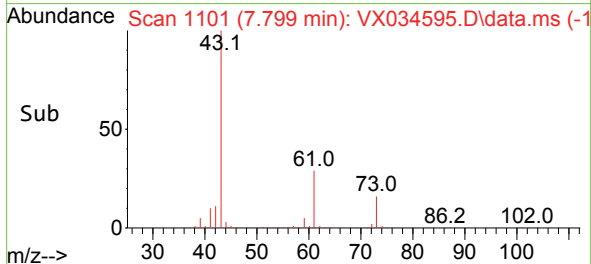
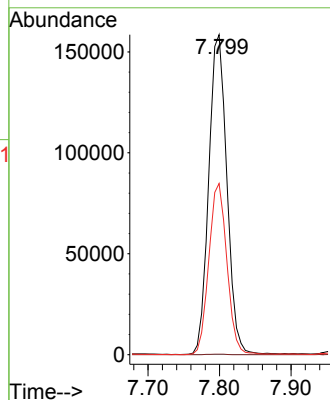
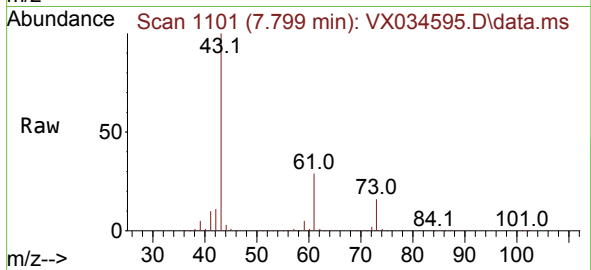




#48
Methyl methacrylate
Concen: 68.968 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

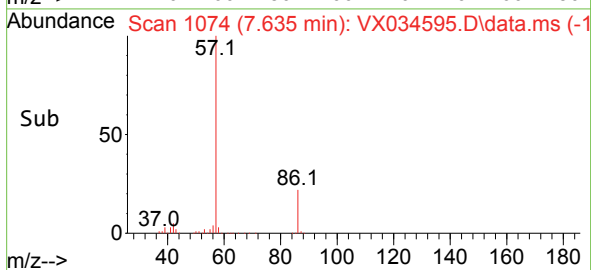
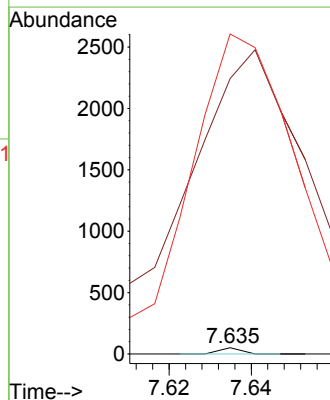
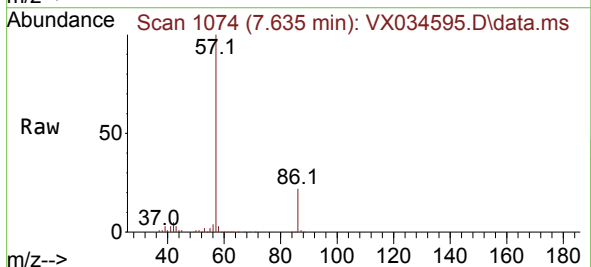
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

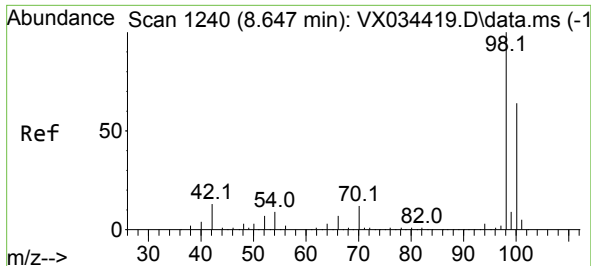
Tgt Ion: 41 Resp: 279492
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 53.4 47.7 71.5



#49
1,4-Dioxane
Concen: 0.223 ug/l
RT: 7.635 min Scan# 1074
Delta R.T. -0.018 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 26836.8 56.8 85.2#

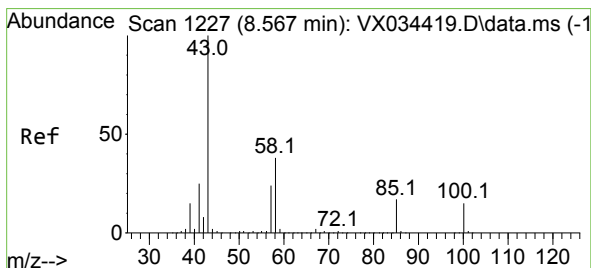
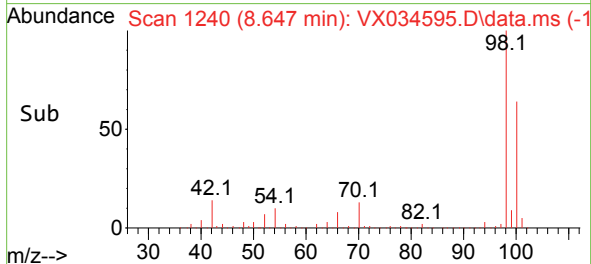
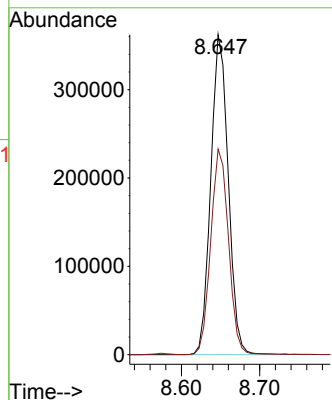
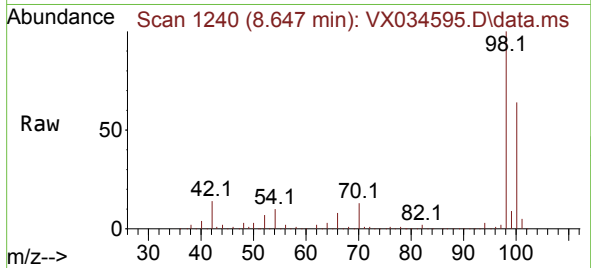




#50
Toluene-d8
Concen: 50.647 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

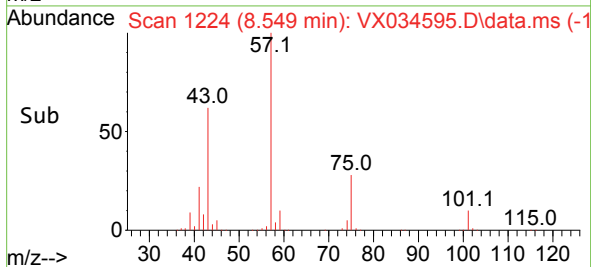
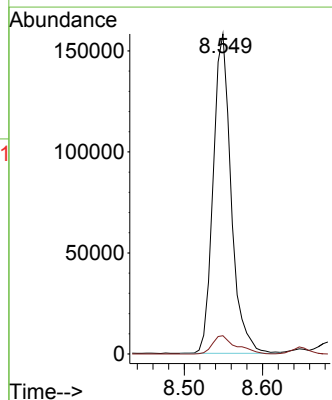
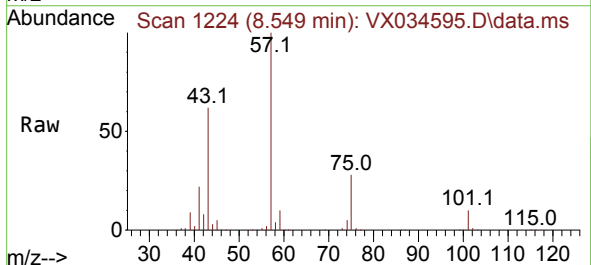
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

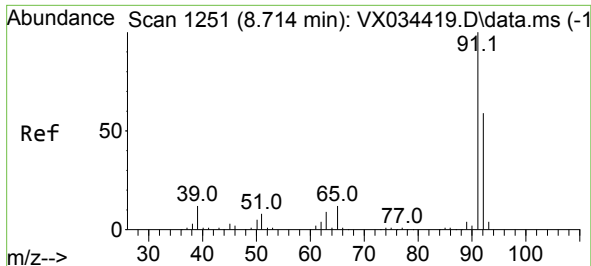
Tgt Ion: 98 Resp: 560442
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 51.573 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 43 Resp: 252093
Ion Ratio Lower Upper
43 100
58 7.5 30.6 46.0#

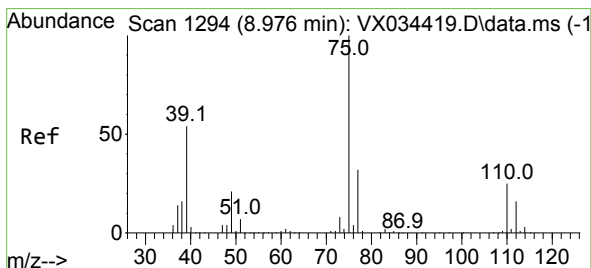
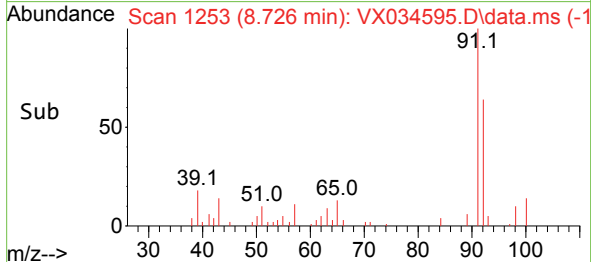
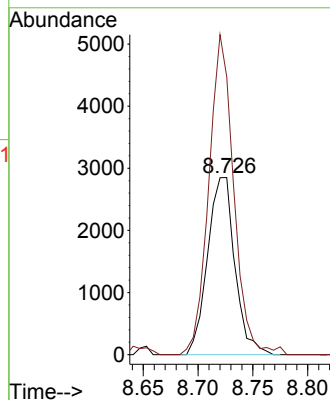
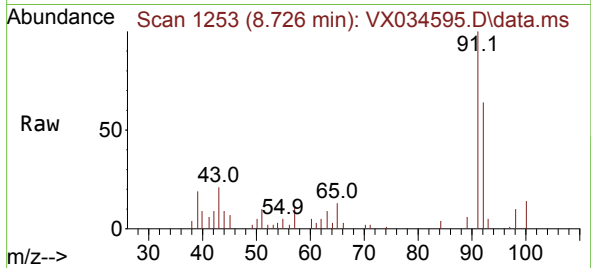




#52
Toluene
Concen: 0.600 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

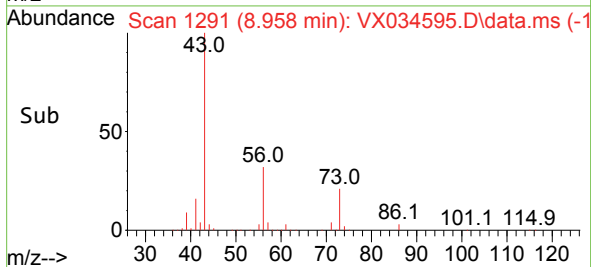
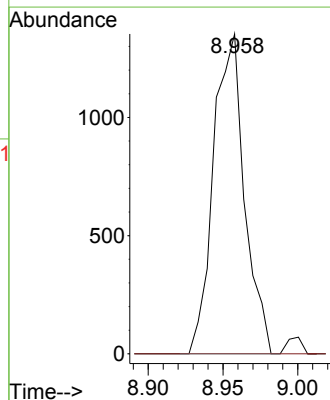
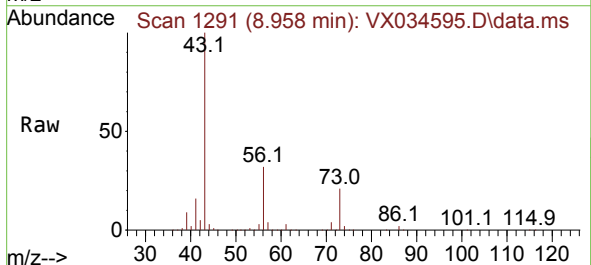
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

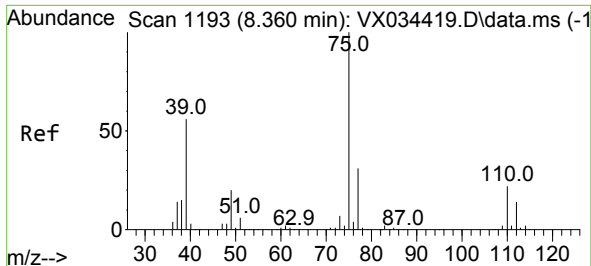
Tgt Ion: 92 Resp: 4947
Ion Ratio Lower Upper
92 100
91 164.7 136.8 205.2



#53
t-1,3-Dichloropropene
Concen: 0.378 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 75 Resp: 1949
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

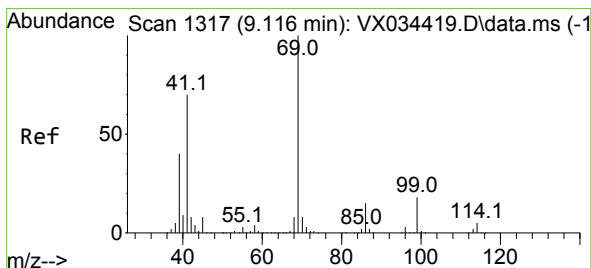
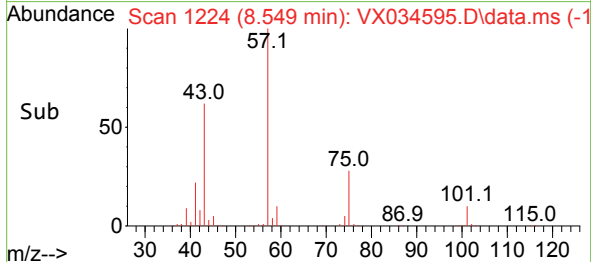
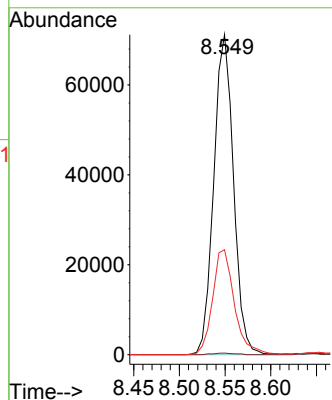
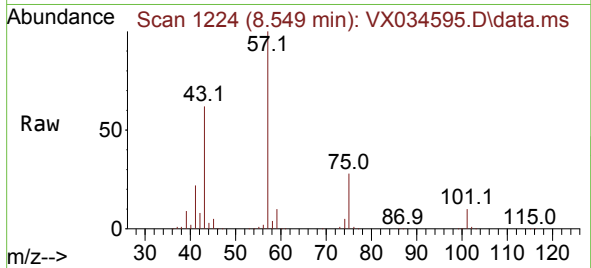




#54
cis-1,3-Dichloropropene
Concen: 19.155 ug/l
RT: 8.549 min Scan# 1193
Delta R.T. 0.189 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

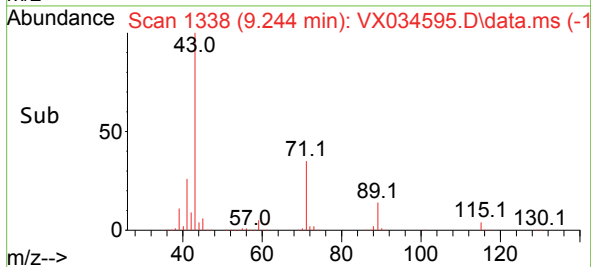
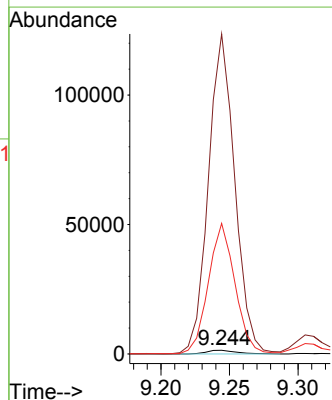
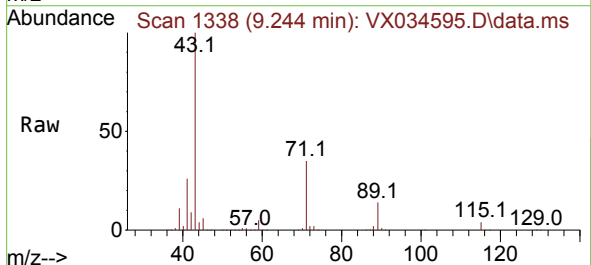
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

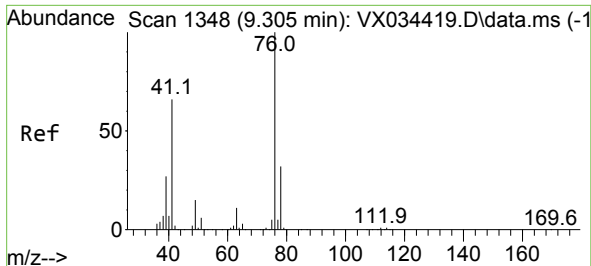
Tgt Ion: 75 Resp: 106829
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 32.8 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.406 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 69 Resp: 2179
Ion Ratio Lower Upper
69 100
41 7600.9 57.4 86.0#
39 3125.7 33.7 50.5#





#57

1,3-Dichloropropane

Concen: 2.245 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034595.D

Acq: 17 Mar 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

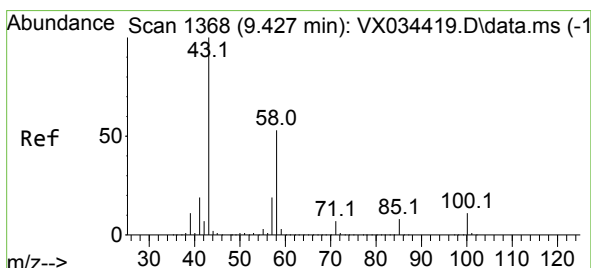
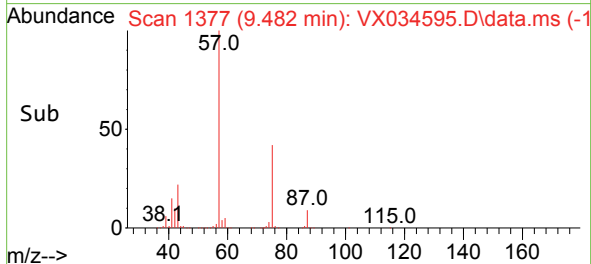
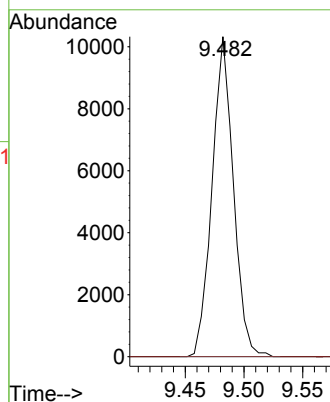
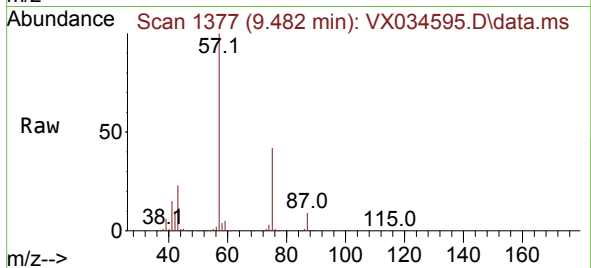
PB151466ZHE#16

Tgt Ion: 76 Resp: 13058

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 53.524 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034595.D

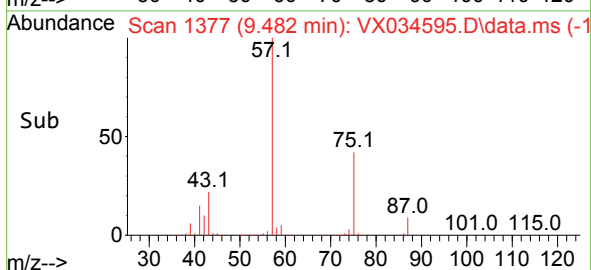
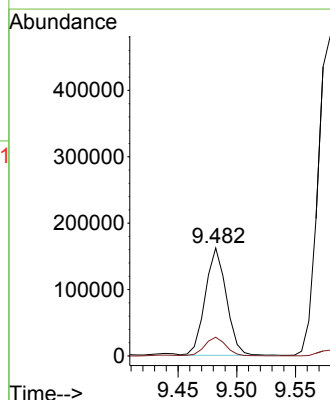
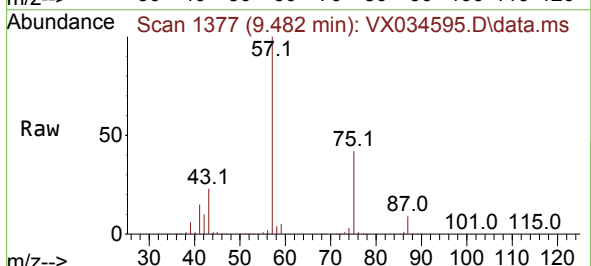
Acq: 17 Mar 2023 19:30

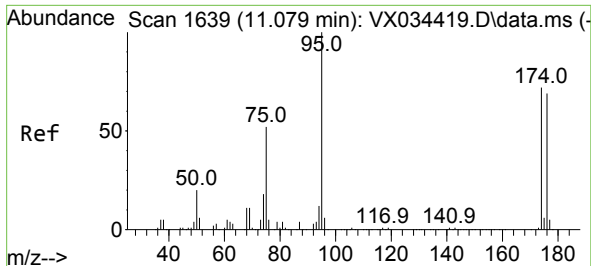
Tgt Ion: 43 Resp: 202241

Ion Ratio Lower Upper

43 100

58 17.9 26.3 78.9#

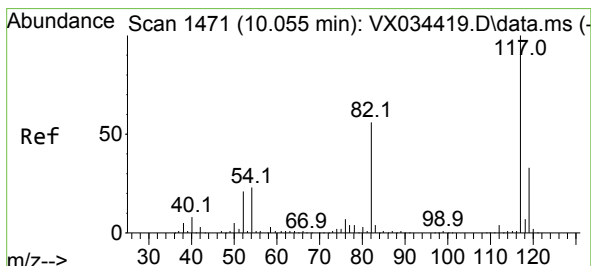
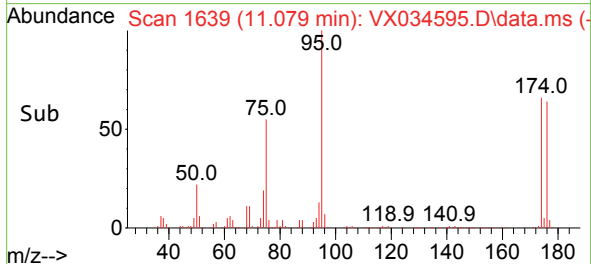
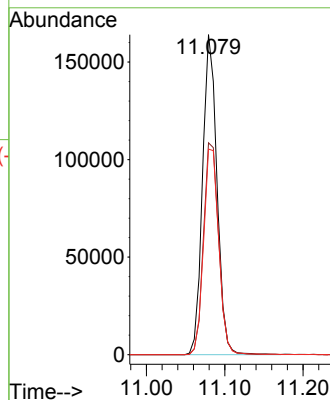
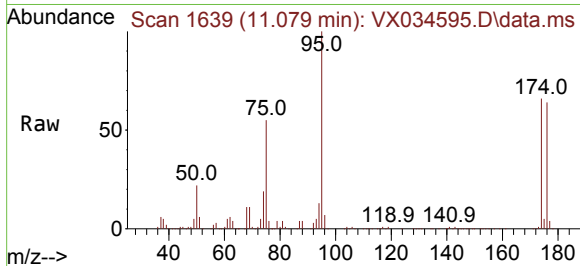




#62
4-Bromofluorobenzene
Concen: 46.927 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

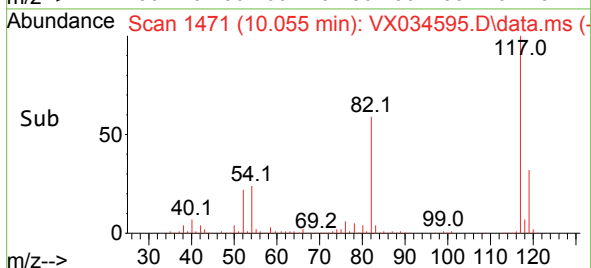
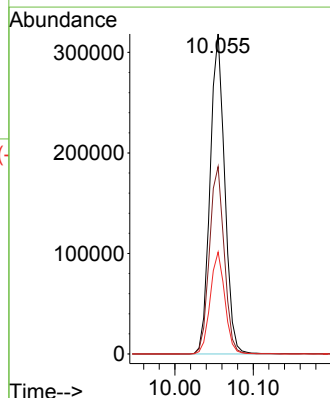
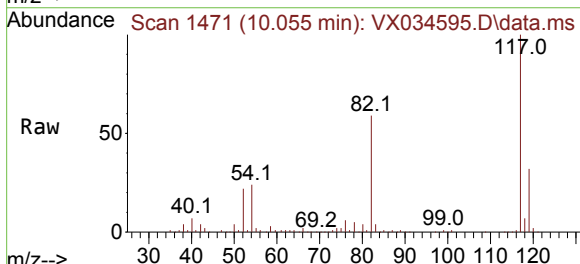
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#16

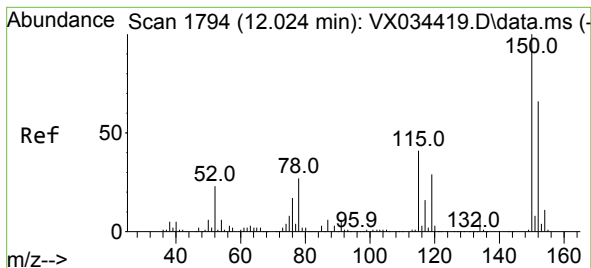
Tgt Ion: 95 Resp: 209748
Ion Ratio Lower Upper
95 100
174 69.3 0.0 147.4
176 67.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034595.D
Acq: 17 Mar 2023 19:30

Tgt Ion: 117 Resp: 411643
Ion Ratio Lower Upper
117 100
82 58.6 45.0 67.4
119 31.9 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034595.D

Acq: 17 Mar 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#16

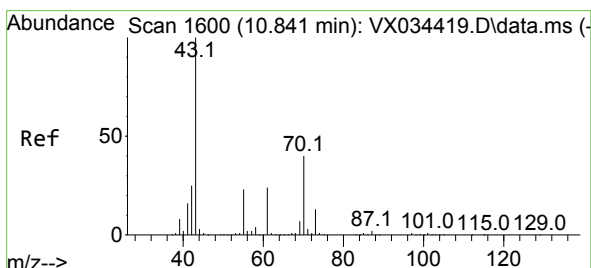
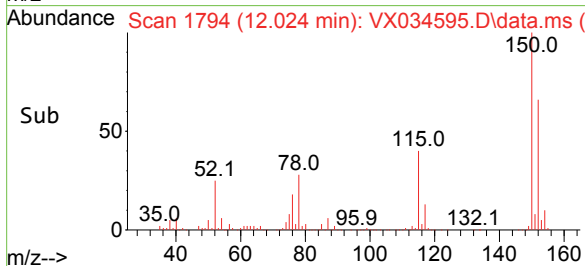
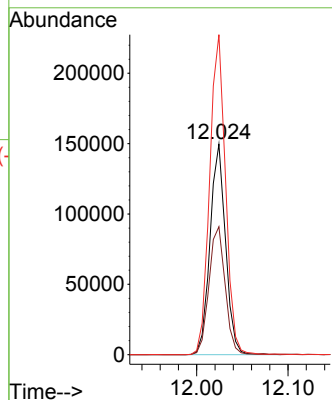
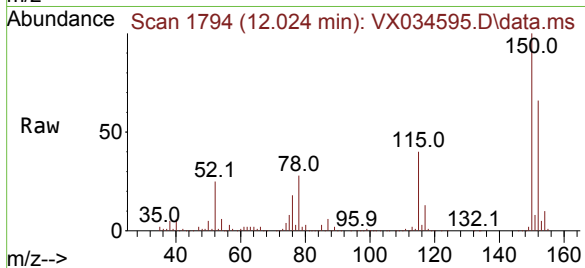
Tgt Ion:152 Resp: 177139

Ion Ratio Lower Upper

152 100

115 63.4 45.0 135.0

150 155.2 0.0 352.4



#74

N-ethyl acetate

Concen: 12.380 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX034595.D

Acq: 17 Mar 2023 19:30

Tgt Ion: 43 Resp: 81180

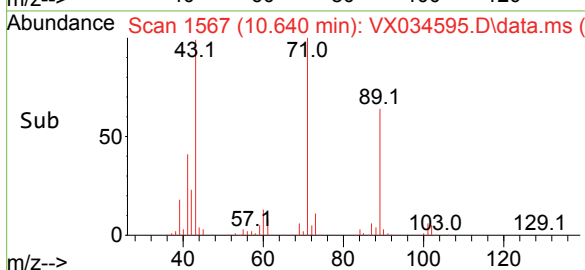
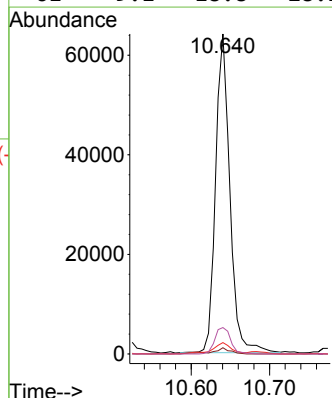
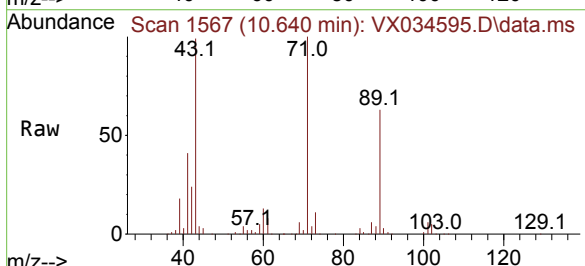
Ion Ratio Lower Upper

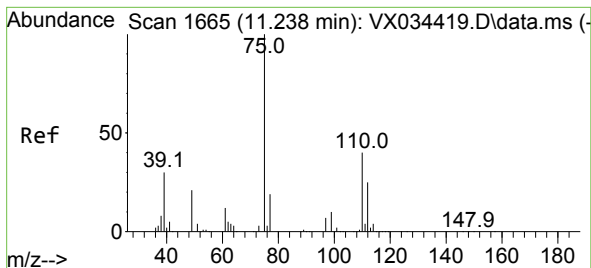
43 100

70 2.4 32.1 48.1#

55 4.6 18.3 27.5#

61 9.1 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 28.290 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034595.D

Acq: 17 Mar 2023 19:30

Instrument :

MSVOA_X

ClientSampleId :

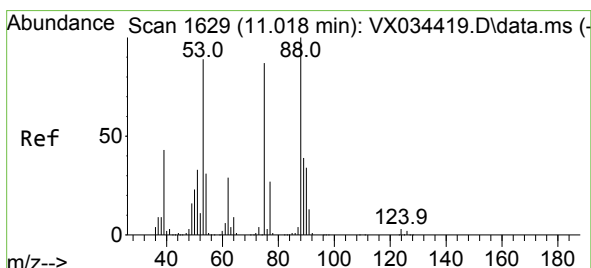
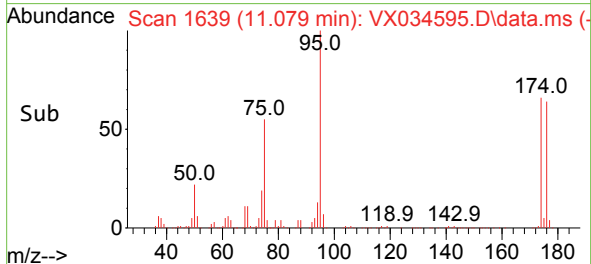
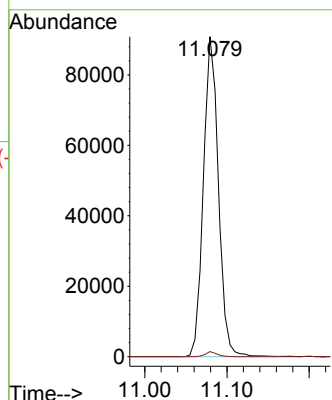
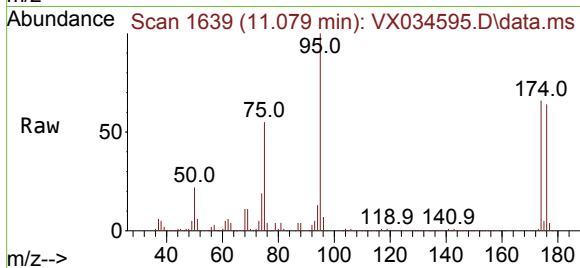
PB151466ZHE#16

Tgt Ion: 75 Resp: 115066

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.534 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX034595.D

Acq: 17 Mar 2023 19:30

Tgt Ion: 75 Resp: 115066

Ion Ratio Lower Upper

75 100

53 0.0 82.6 124.0#

89 0.0 36.9 55.3#

