

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031623\
 Data File : VX034546.D
 Acq On : 16 Mar 2023 15:24
 Operator : JC/MD
 Sample : PB151426ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#08

Quant Time: Mar 17 06:26:19 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)

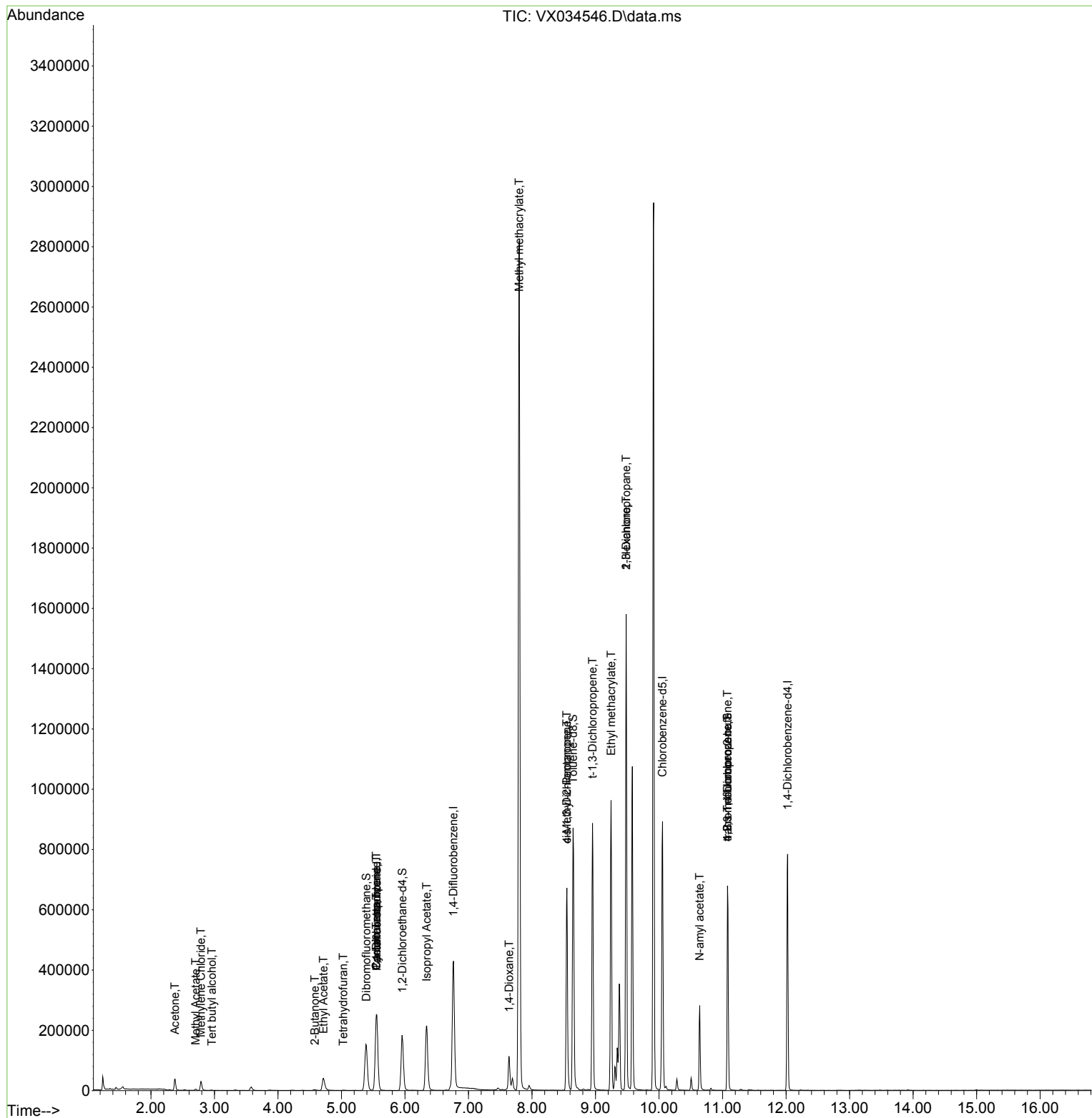
Internal Standards						
1) Pentafluorobenzene	5.556	168	243648	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	417171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373123	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167993	47.394	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.780%
35) Dibromofluoromethane	5.391	113	132276	48.024	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.040%
50) Toluene-d8	8.647	98	508162	49.421	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.840%
62) 4-Bromofluorobenzene	11.079	95	175097	42.159	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	223	Below Cal	#	42
11) Tert butyl alcohol	2.959	59	1062	1.439	ug/l #	73
16) Acetone	2.380	43	39188	23.470	ug/l	99
18) Methyl Acetate	2.703	43	5302	0.972	ug/l	94
20) Methylene Chloride	2.788	84	12879	3.974	ug/l	97
25) 2-Butanone	4.580	43	5710	2.390	ug/l	94
29) Tetrahydrofuran	5.025	42	1027	0.697	ug/l #	38
31) Cyclohexane	5.550	56	5627	1.132	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19773	4.674	ug/l #	50
37) Ethyl Acetate	4.714	43	71765	15.528	ug/l	97
38) Carbon Tetrachloride	5.550	117	25141	5.974	ug/l #	18
43) Isopropyl Acetate	6.342	43	303981	38.825	ug/l	100
48) Methyl methacrylate	7.799	41	254262	67.523	ug/l #	47
49) 1,4-Dioxane	7.641	88	25	0.316	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	236819	52.140	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	1680	0.351	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	101749	19.634	ug/l #	60
56) Ethyl methacrylate	9.244	69	1661	0.333	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	12717	2.353	ug/l #	42
59) 2-Hexanone	9.482	43	188636	53.727	ug/l #	52
74) N-amyl acetate	10.640	43	75401	13.000	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	95149	26.448	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	95149	71.551	ug/l #	8

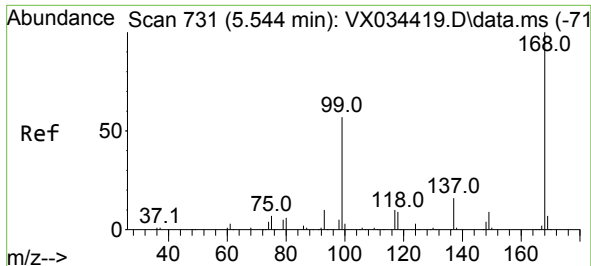
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

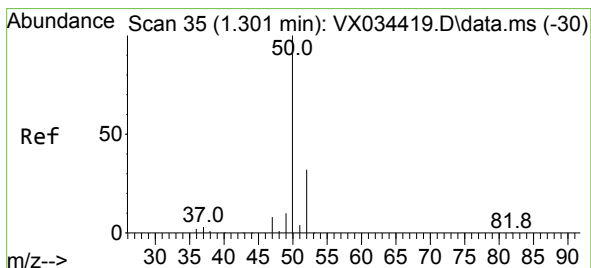
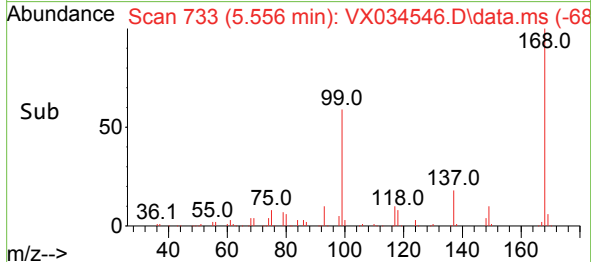
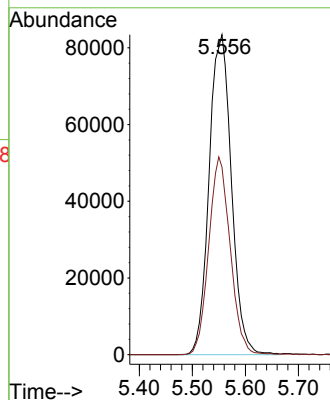
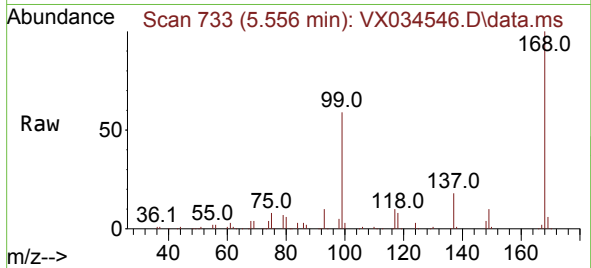




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

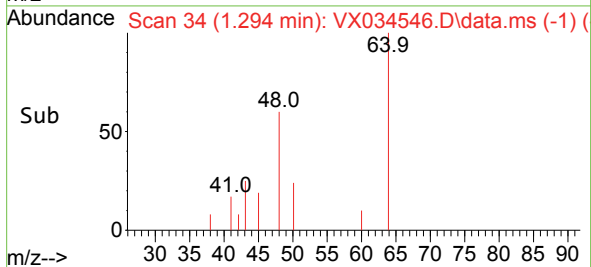
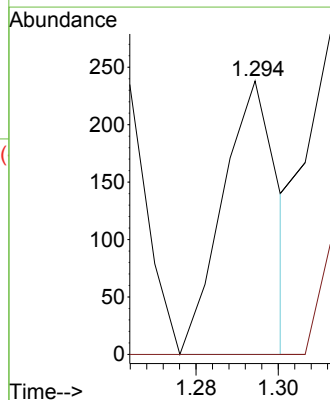
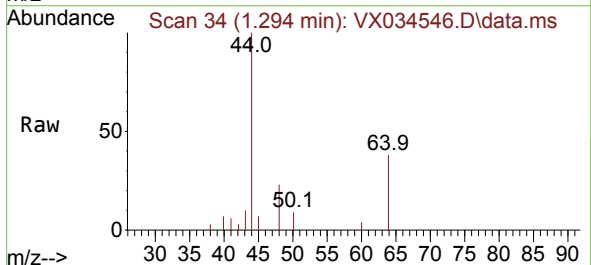
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

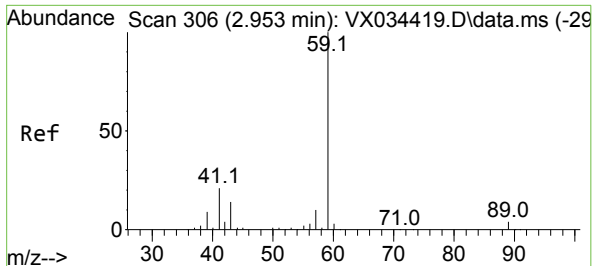
Tgt Ion:168 Resp: 243648
Ion Ratio Lower Upper
168 100
99 58.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.439 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034546.D

Acq: 16 Mar 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

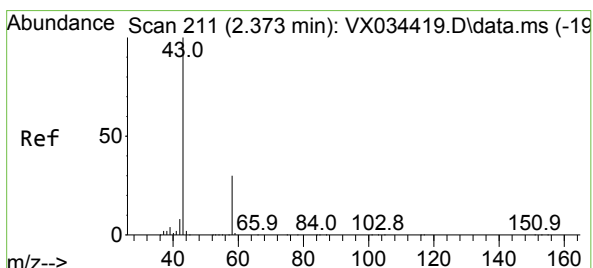
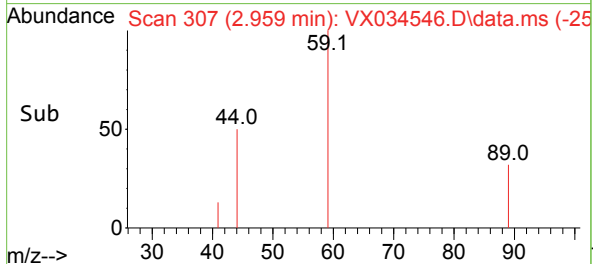
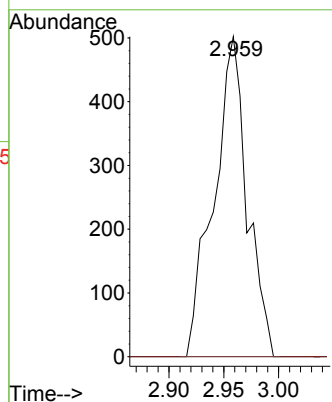
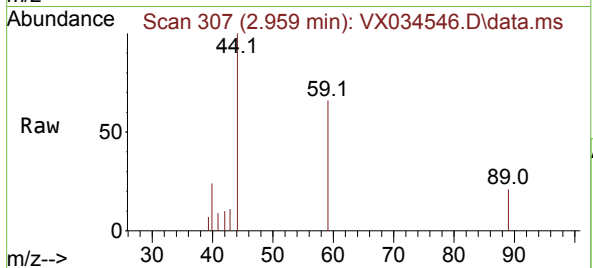
PB151426ZHE#08

Tgt Ion: 59 Resp: 1062

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 23.470 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034546.D

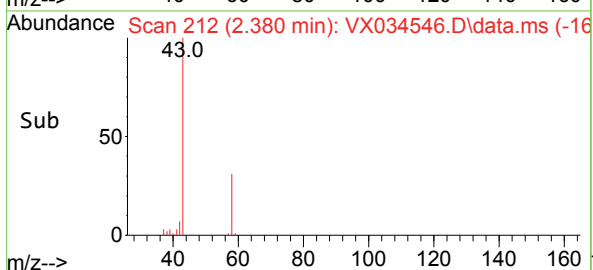
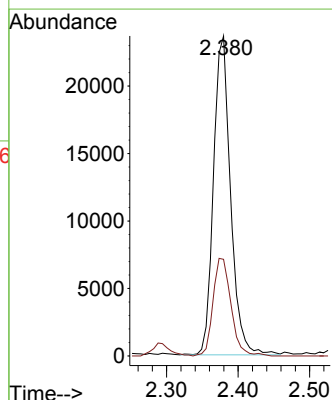
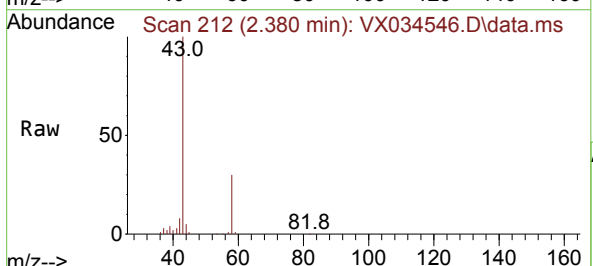
Acq: 16 Mar 2023 15:24

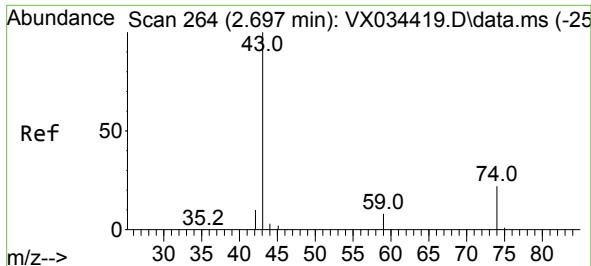
Tgt Ion: 43 Resp: 39188

Ion Ratio Lower Upper

43 100

58 30.3 24.7 37.1

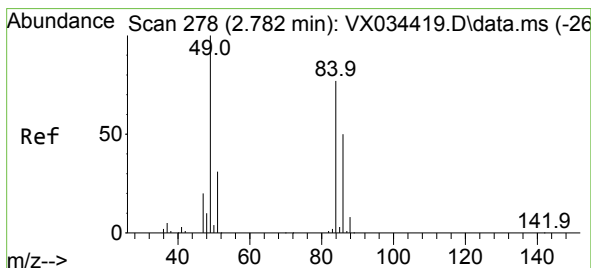
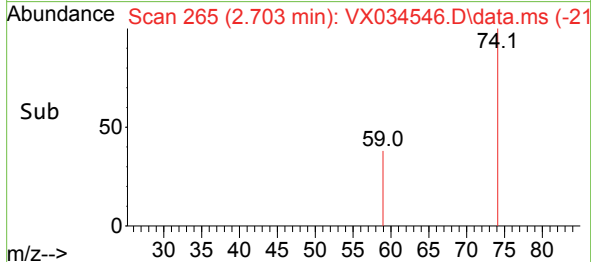
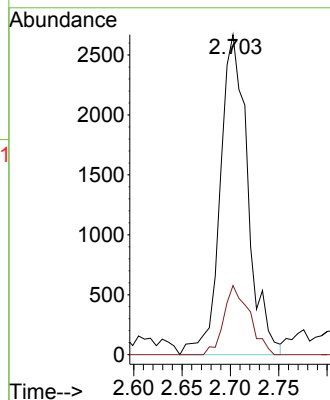
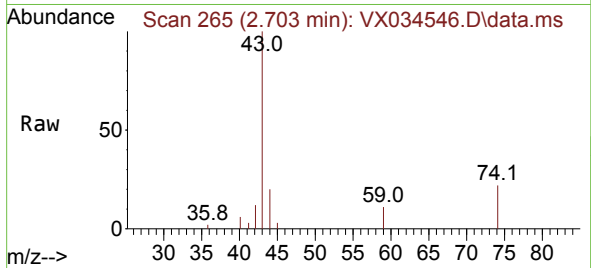




#18
Methyl Acetate
Concen: 0.972 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

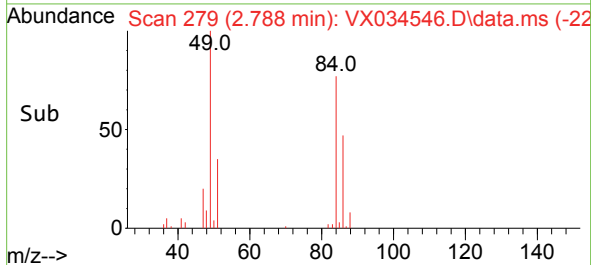
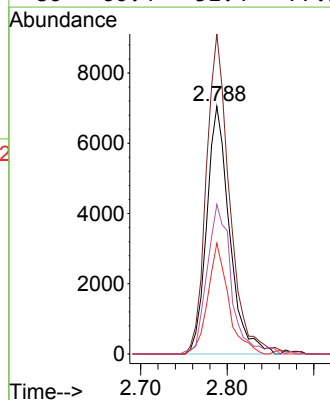
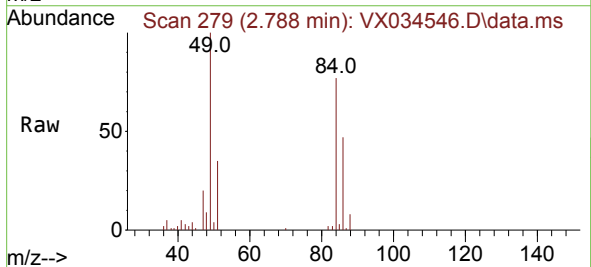
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

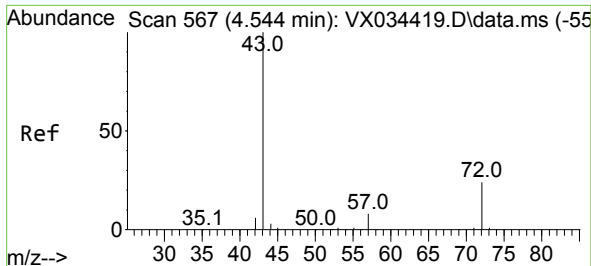
Tgt Ion: 43 Resp: 5302
Ion Ratio Lower Upper
43 100
74 20.1 18.3 27.5



#20
Methylene Chloride
Concen: 3.974 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 84 Resp: 12879
Ion Ratio Lower Upper
84 100
49 129.2 103.8 155.8
51 44.7 31.8 47.8
86 60.4 51.4 77.2

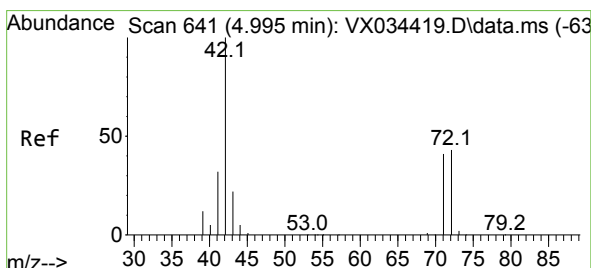
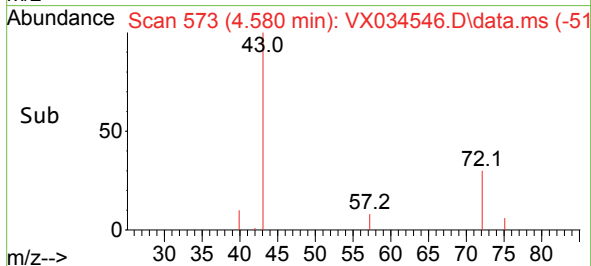
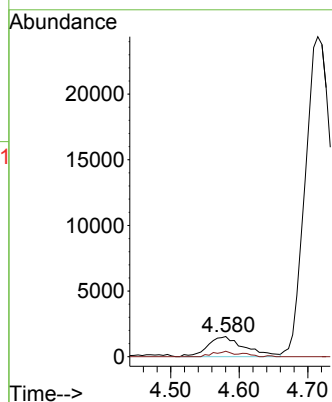
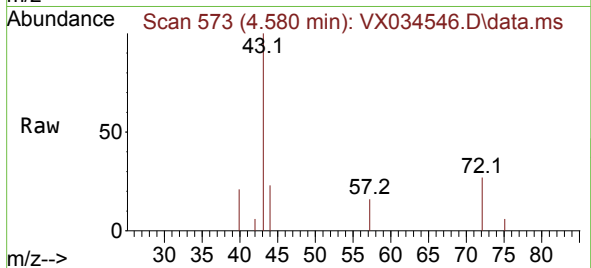




#25
2-Butanone
Concen: 2.390 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

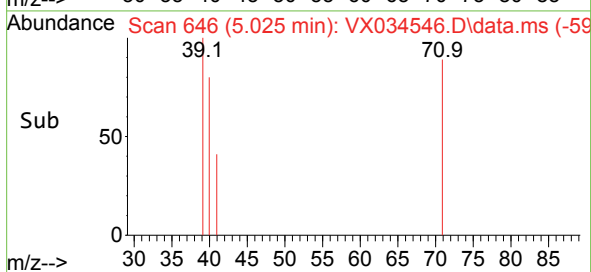
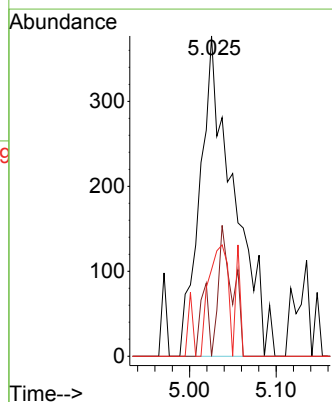
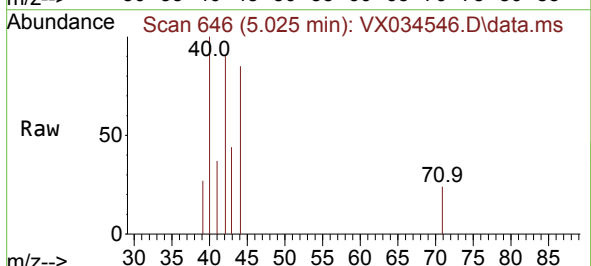
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

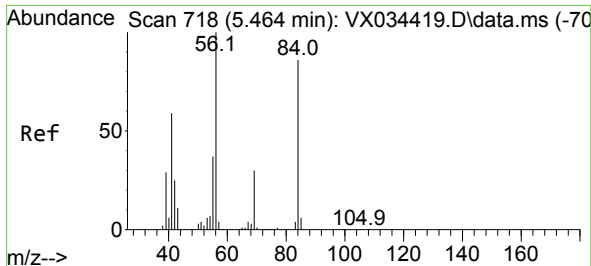
Tgt Ion: 43 Resp: 5710
Ion Ratio Lower Upper
43 100
72 27.3 19.3 28.9



#29
Tetrahydrofuran
Concen: 0.697 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.030 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 42 Resp: 1027
Ion Ratio Lower Upper
42 100
72 5.5 34.5 51.7#
71 0.0 32.1 48.1#

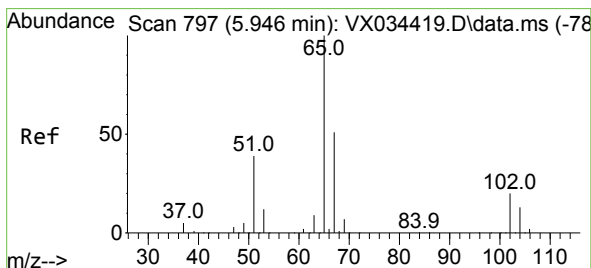
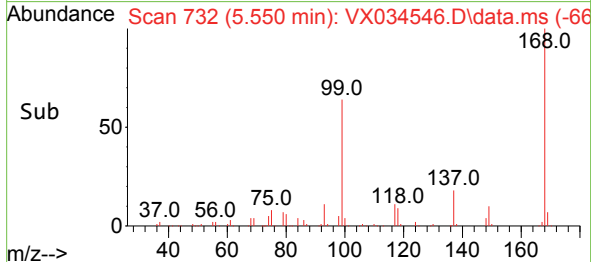
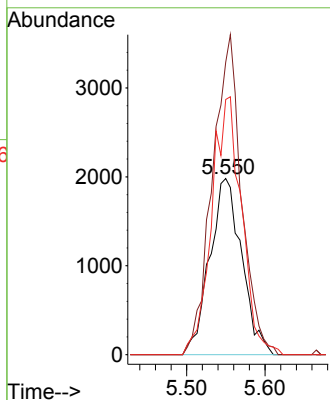
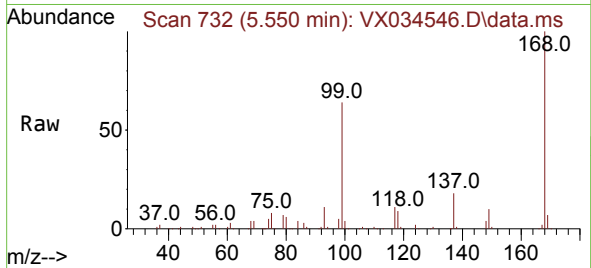




#31
Cyclohexane
Concen: 1.132 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

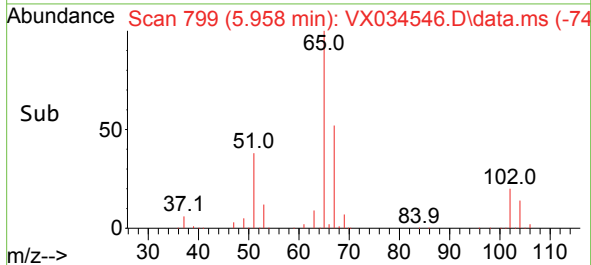
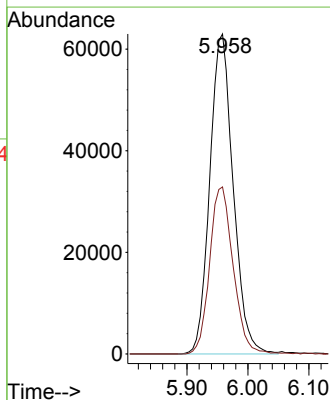
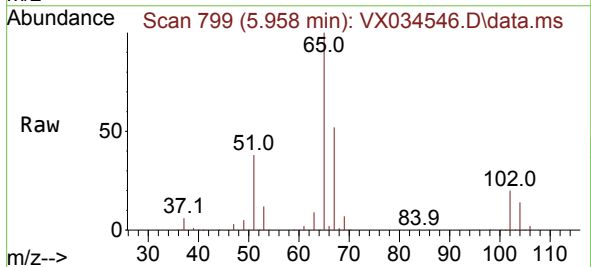
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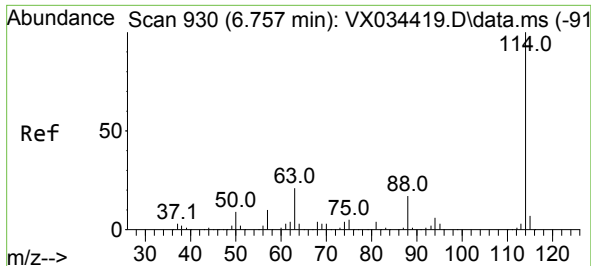
Tgt Ion: 56 Resp: 5627
Ion Ratio Lower Upper
56 100
69 166.0 23.7 35.5#
84 144.9 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.394 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 65 Resp: 167993
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

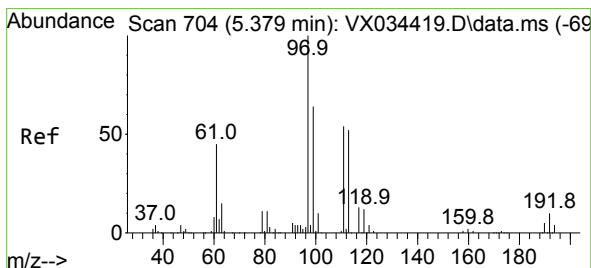
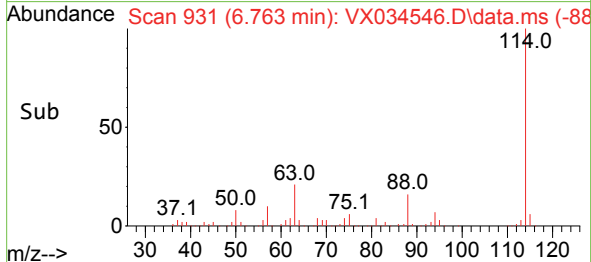
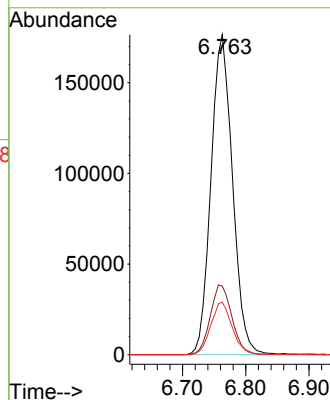
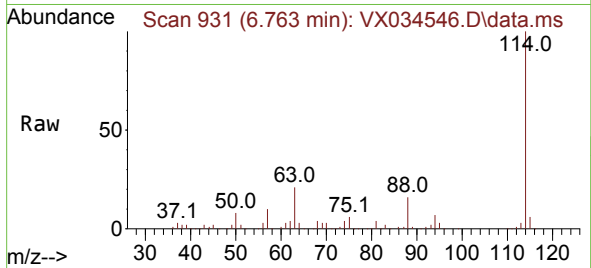




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

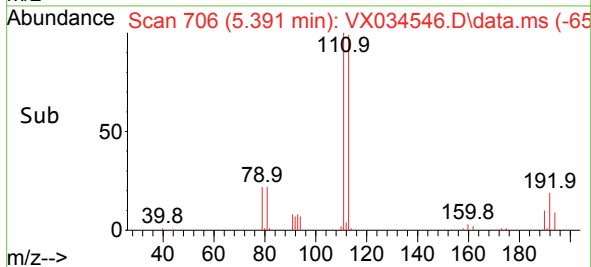
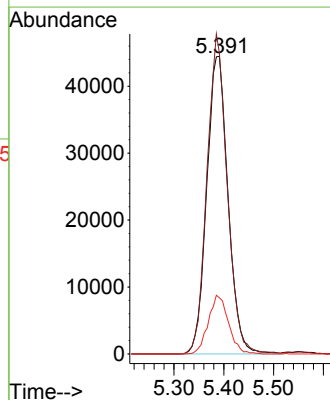
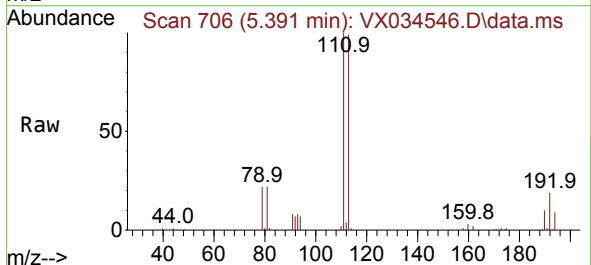
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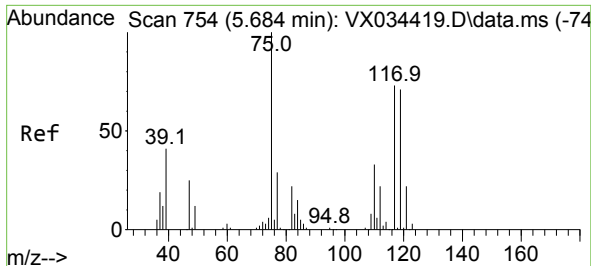
Tgt Ion:114 Resp: 417171
Ion Ratio Lower Upper
114 100
63 21.5 0.0 42.2
88 16.4 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.024 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.012 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion:113 Resp: 132276
Ion Ratio Lower Upper
113 100
111 102.1 83.7 125.5
192 18.6 15.4 23.2

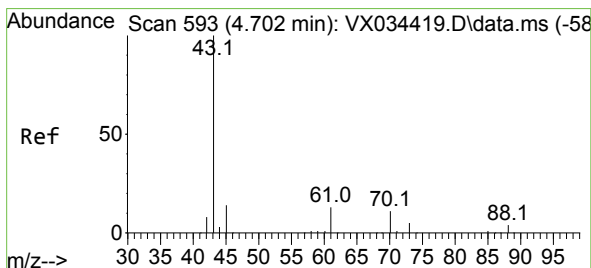
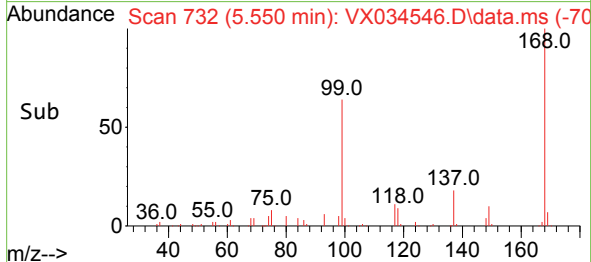
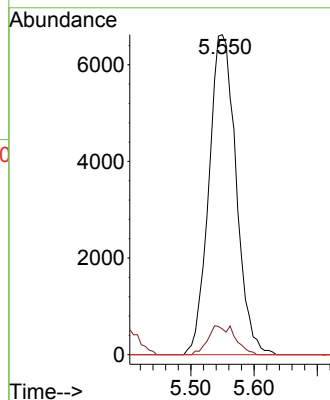
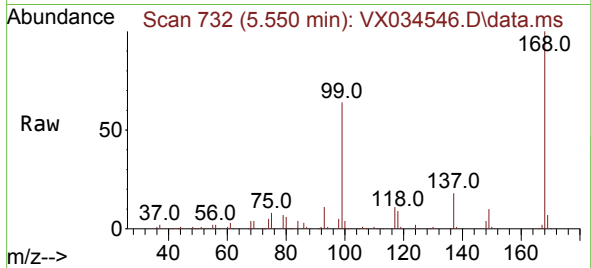




#36
1,1-Dichloropropene
Concen: 4.674 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

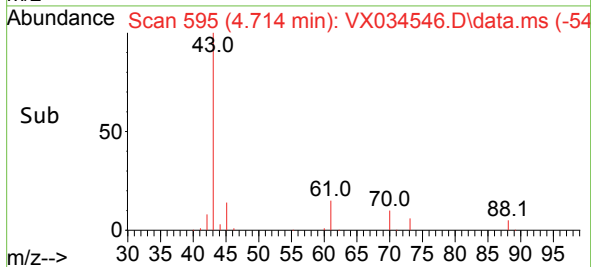
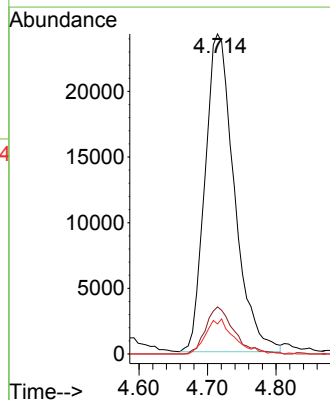
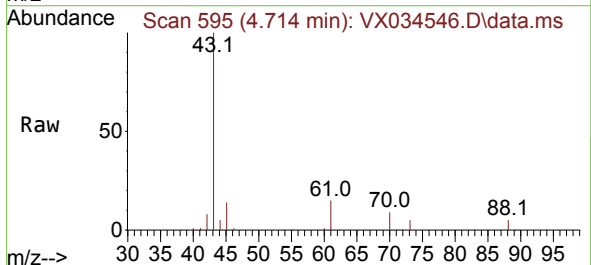
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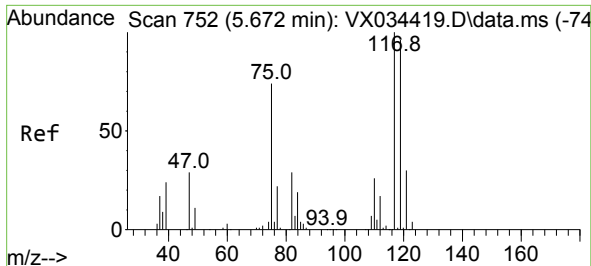
Tgt Ion: 75 Resp: 19773
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 15.528 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.012 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

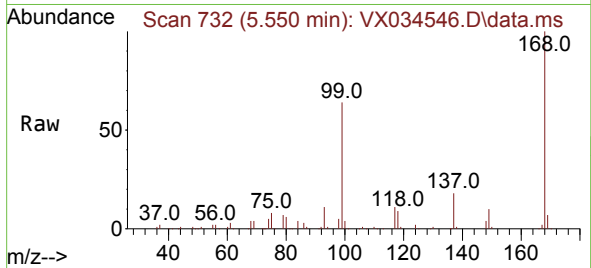
Tgt Ion: 43 Resp: 71765
Ion Ratio Lower Upper
43 100
61 14.3 10.2 15.4
70 10.7 8.2 12.4



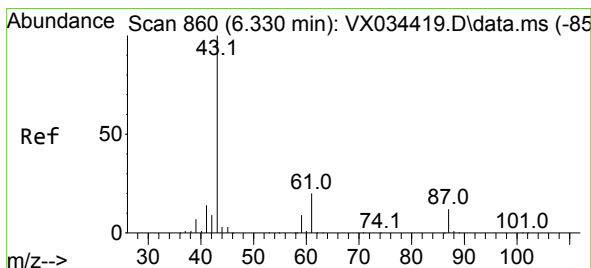
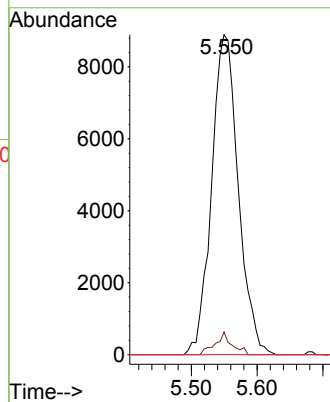
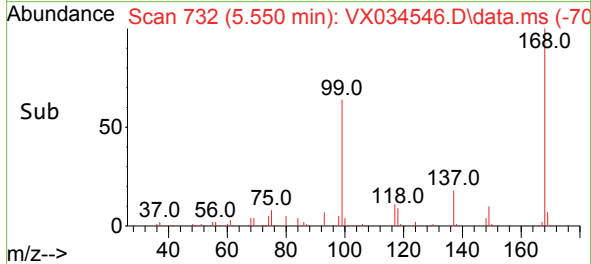


#38
Carbon Tetrachloride
Concen: 5.974 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

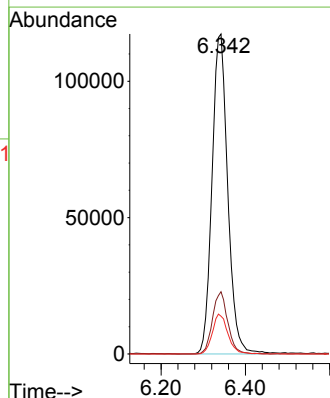
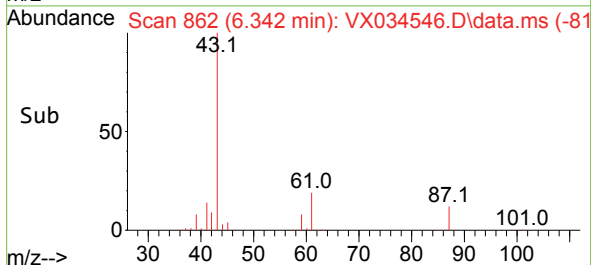
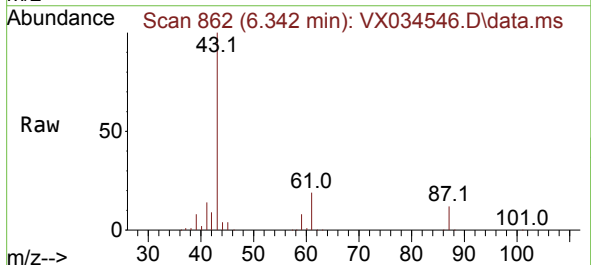


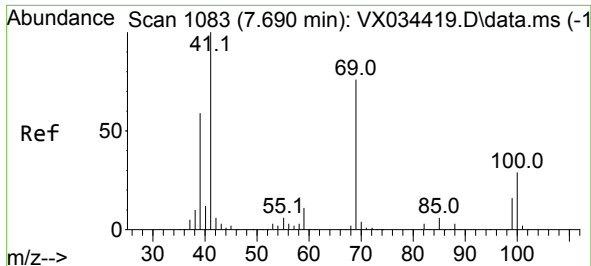
Tgt Ion:117 Resp: 25141
Ion Ratio Lower Upper
117 100
119 7.1 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 38.825 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 43 Resp: 303981
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.2 9.8 14.8

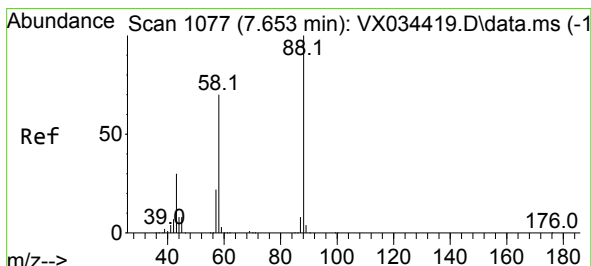
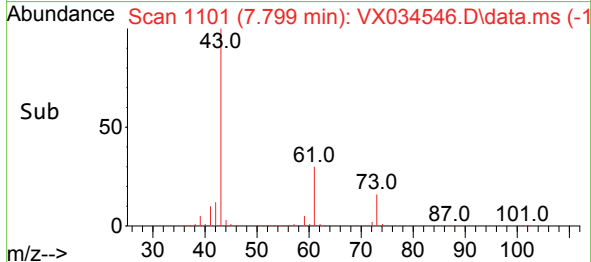
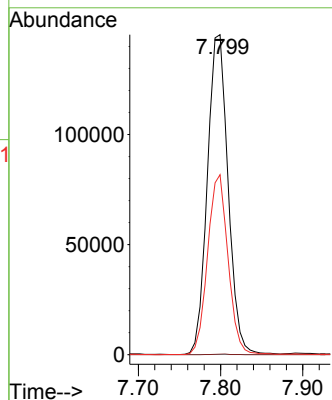
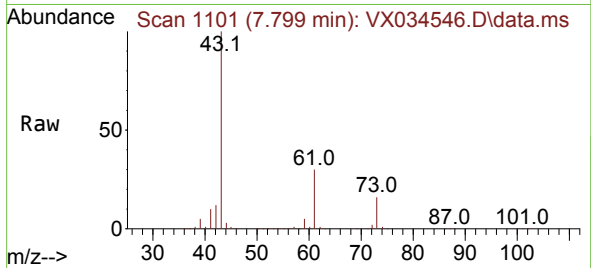




#48
Methyl methacrylate
Concen: 67.523 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

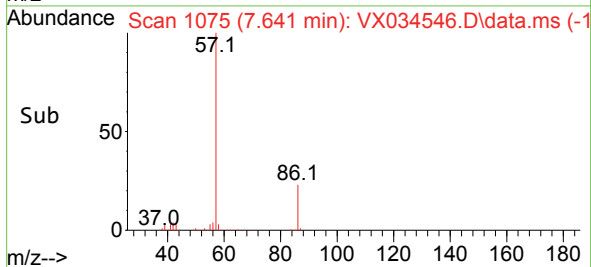
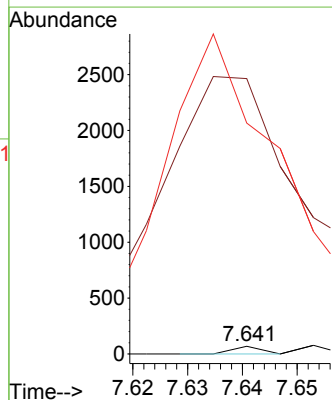
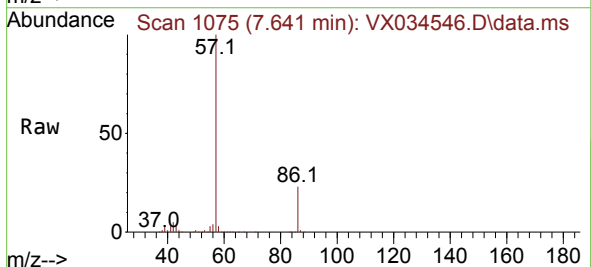
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

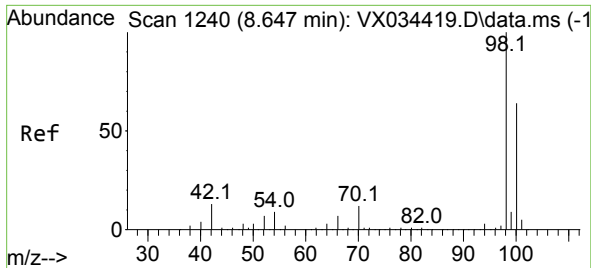
Tgt Ion: 41 Resp: 254262
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 55.5 47.7 71.5



#49
1,4-Dioxane
Concen: 0.316 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 19544.0 56.8 85.2#

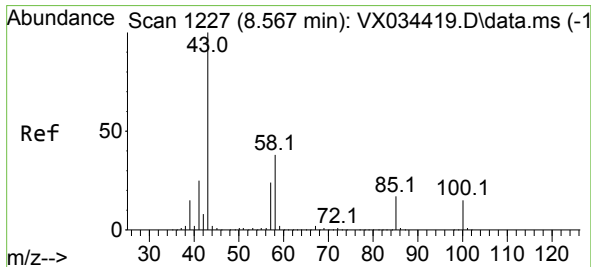
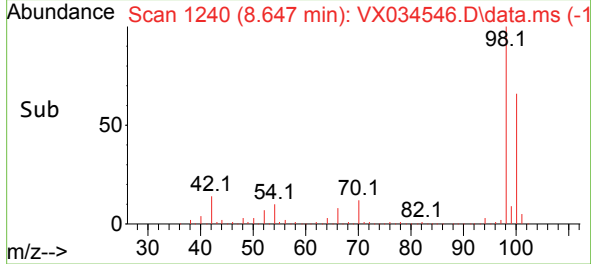
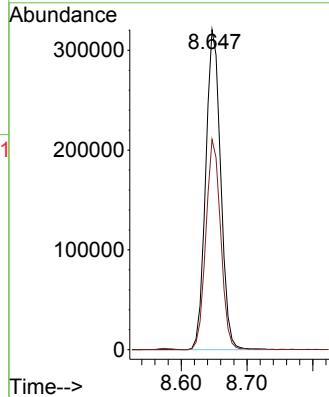
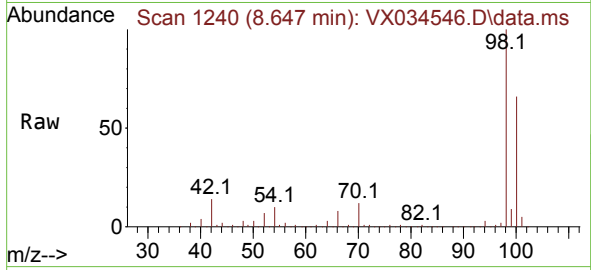




#50
Toluene-d8
Concen: 49.421 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

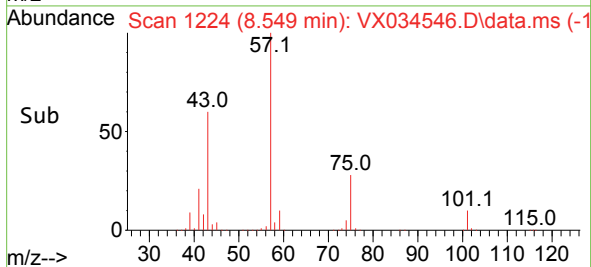
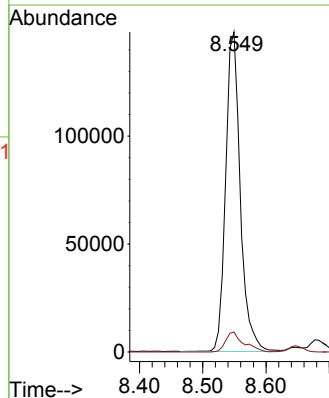
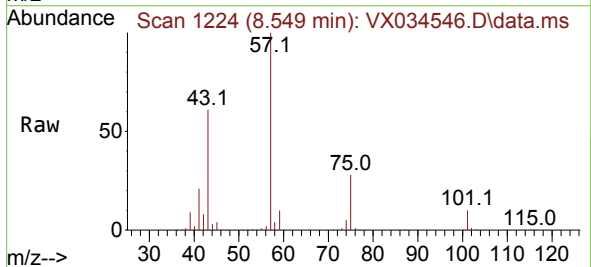
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

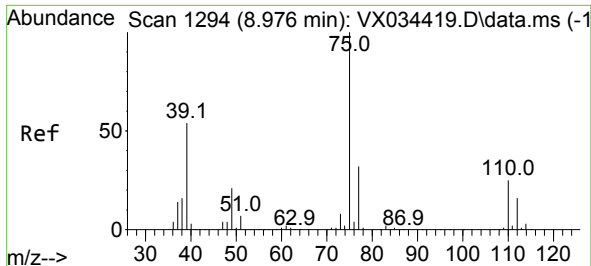
Tgt Ion: 98 Resp: 508162
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 52.140 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 43 Resp: 236819
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#

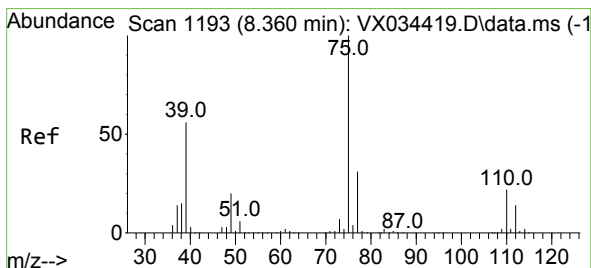
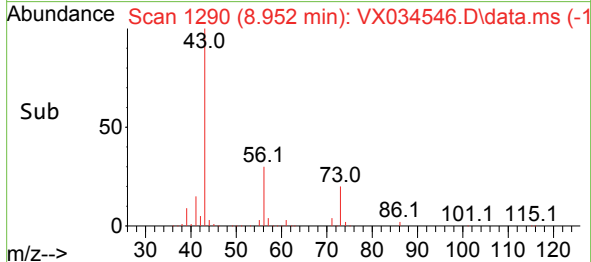
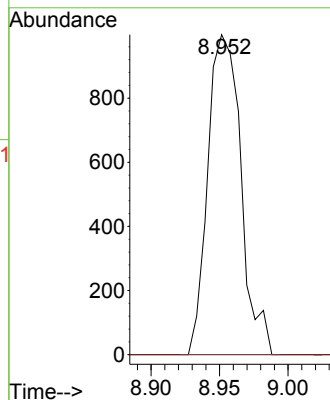
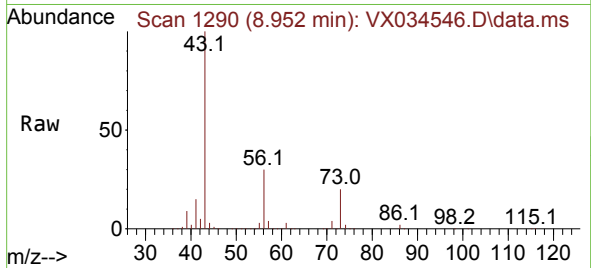




#53
 t-1,3-Dichloropropene
 Concen: 0.351 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034546.D
 Acq: 16 Mar 2023 15:24

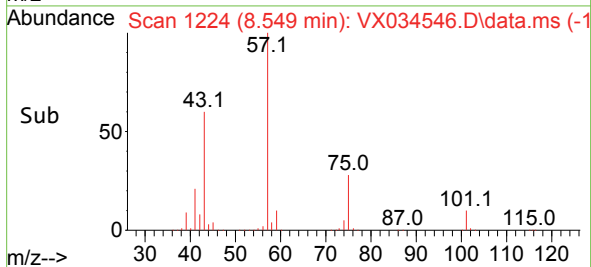
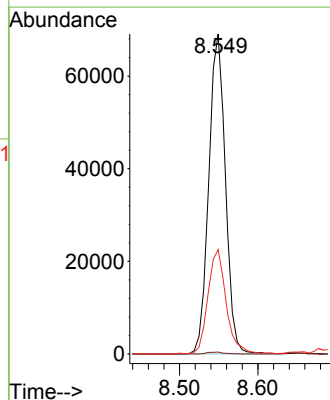
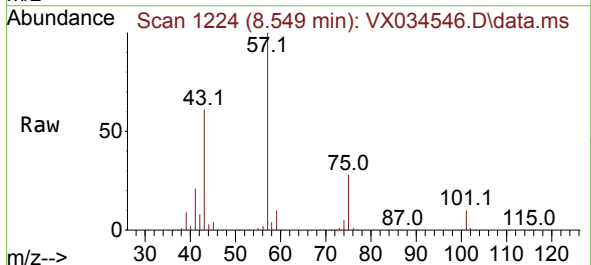
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#08

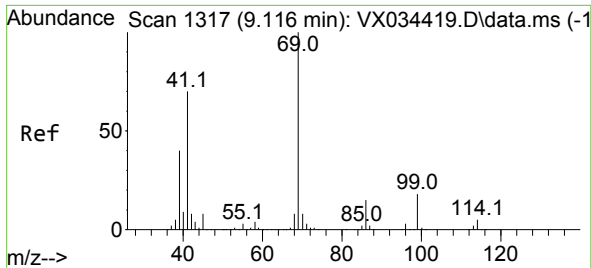
Tgt Ion: 75 Resp: 1680
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 19.634 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034546.D
 Acq: 16 Mar 2023 15:24

Tgt Ion: 75 Resp: 101749
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 32.4 44.6 66.8#

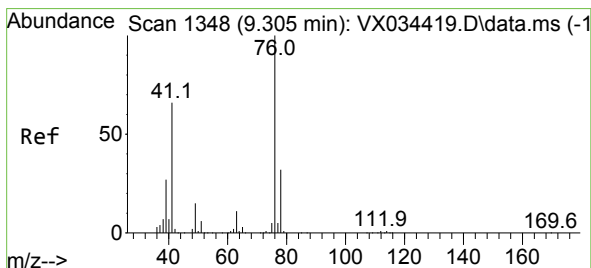
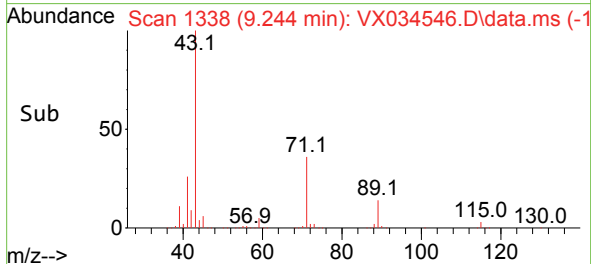
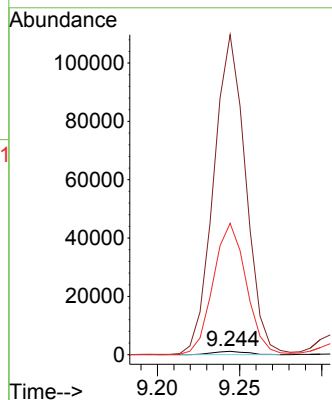
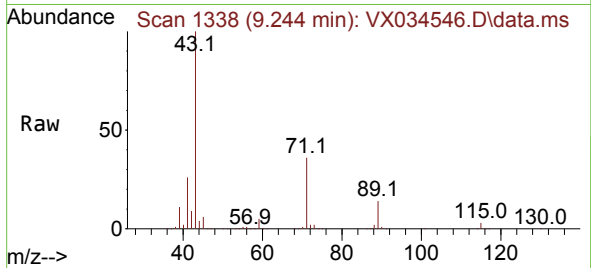




#56
Ethyl methacrylate
Concen: 0.333 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

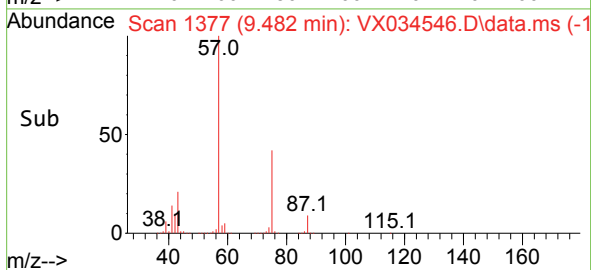
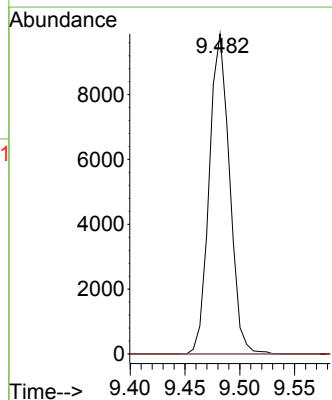
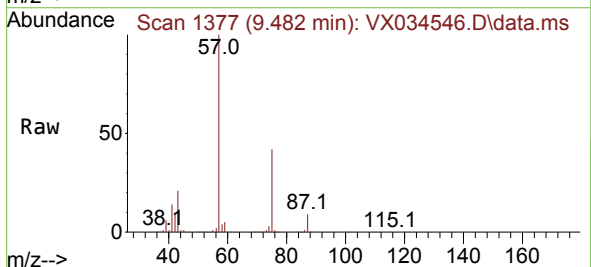
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

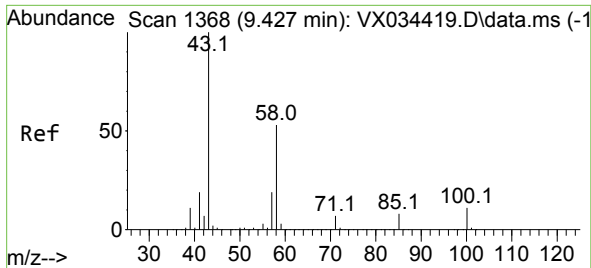
Tgt Ion: 69 Resp: 1661
Ion Ratio Lower Upper
69 100
41 8986.6 57.4 86.0#
39 3800.4 33.7 50.5#



#57
1,3-Dichloropropane
Concen: 2.353 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 76 Resp: 12717
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

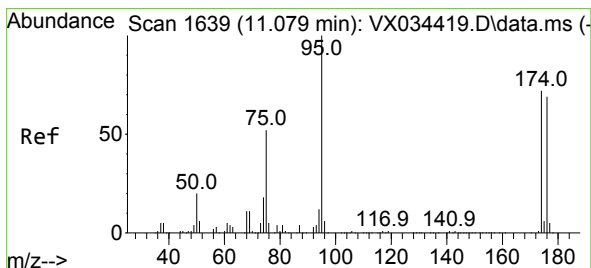
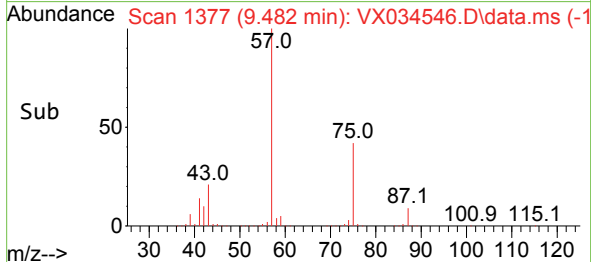
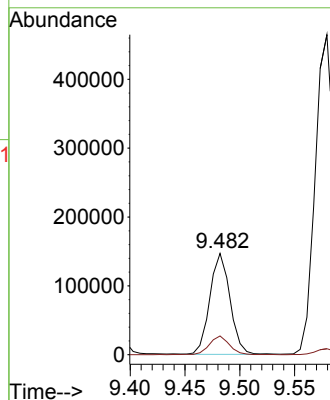
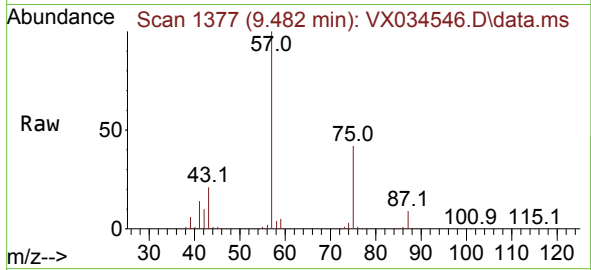




#59
2-Hexanone
Concen: 53.727 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

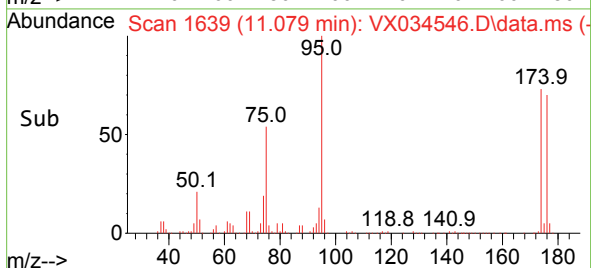
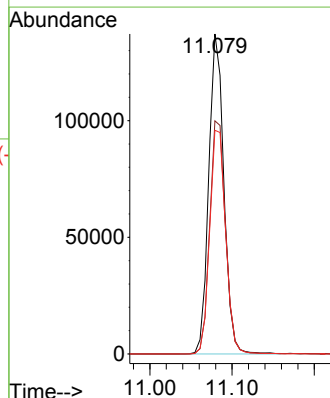
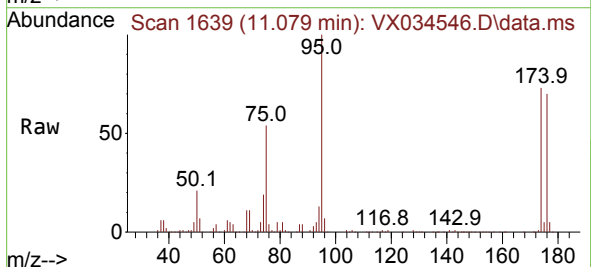
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

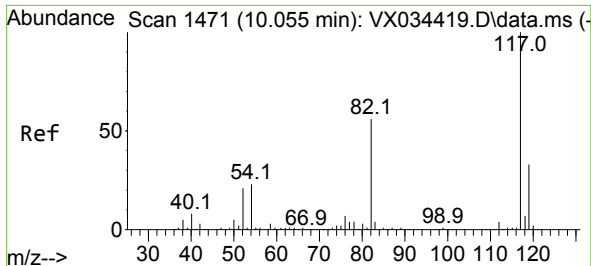
Tgt Ion: 43 Resp: 188636
Ion Ratio Lower Upper
43 100
58 18.5 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 42.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion: 95 Resp: 175097
Ion Ratio Lower Upper
95 100
174 76.0 0.0 147.4
176 73.8 0.0 140.6

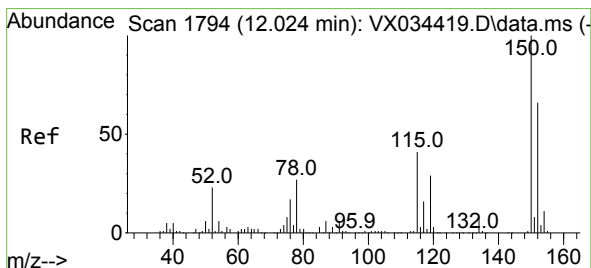
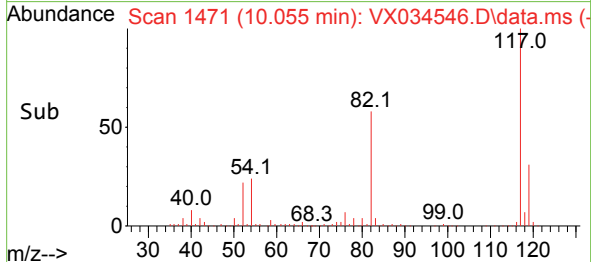
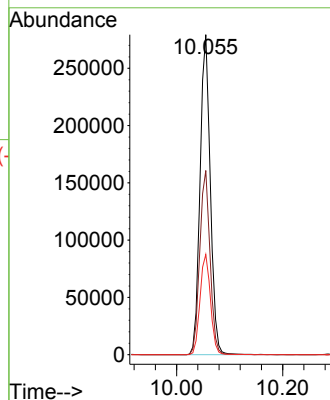
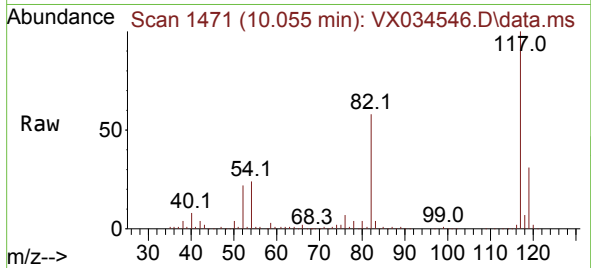




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

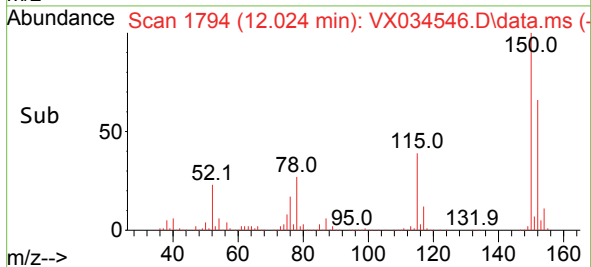
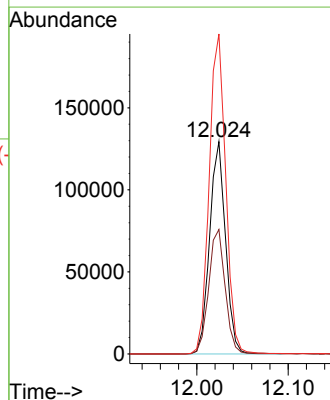
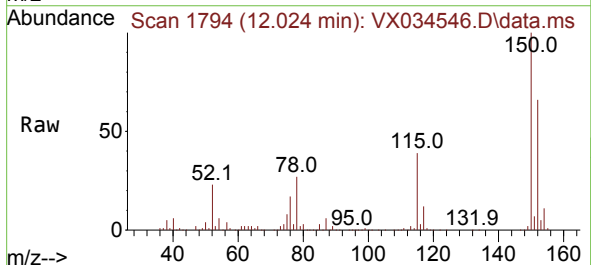
Instrument :
MSVOA_X
ClientSampleId :
PB151426ZHE#08

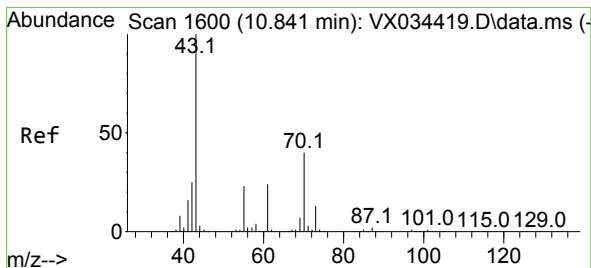
Tgt Ion:117 Resp: 373123
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 31.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034546.D
Acq: 16 Mar 2023 15:24

Tgt Ion:152 Resp: 156679
Ion Ratio Lower Upper
152 100
115 60.6 45.0 135.0
150 156.0 0.0 352.4





#74

N-amy1 acetate

Concen: 13.000 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034546.D

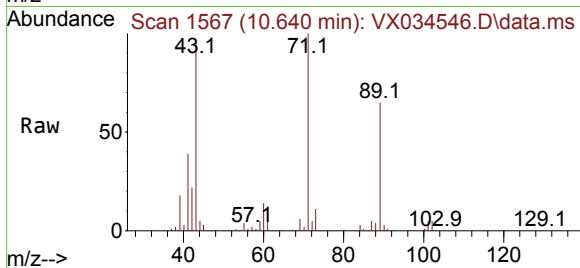
Acq: 16 Mar 2023 15:24

Instrument :

MSVOA_X

ClientSampleId :

PB151426ZHE#08



Tgt Ion: 43 Resp: 75401

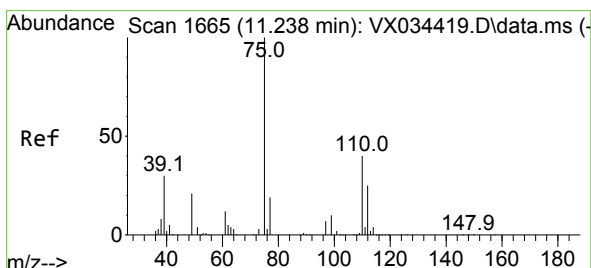
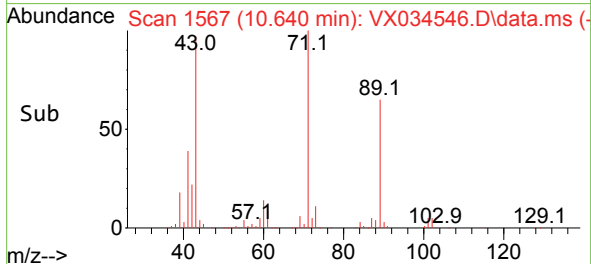
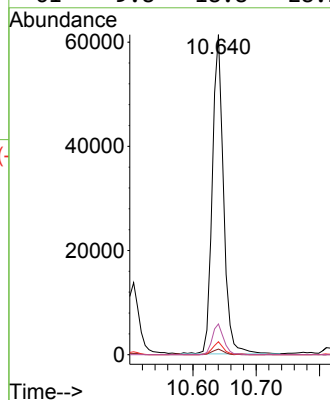
Ion Ratio Lower Upper

43 100

70 1.8 32.1 48.1#

55 4.1 18.3 27.5#

61 9.8 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.448 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034546.D

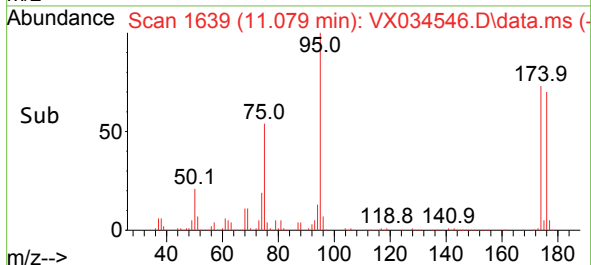
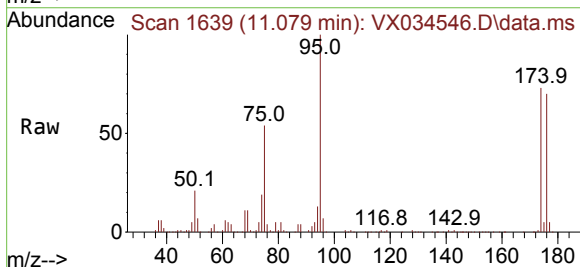
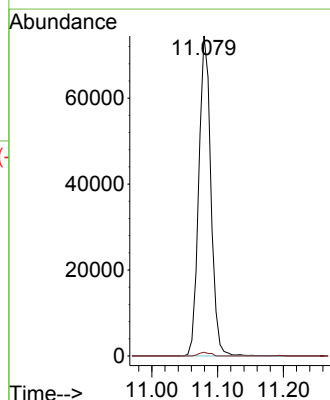
Acq: 16 Mar 2023 15:24

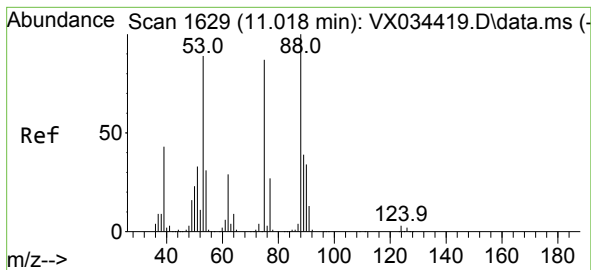
Tgt Ion: 75 Resp: 95149

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.551 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034546.D
 Acq: 16 Mar 2023 15:24

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151426ZHE#08

Tgt Ion: 75 Resp: 95149
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

