

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034590.D
 Acq On : 17 Mar 2023 17:31
 Operator : JC/MD
 Sample : PB151466ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#11

Quant Time: Mar 20 00:05:13 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)

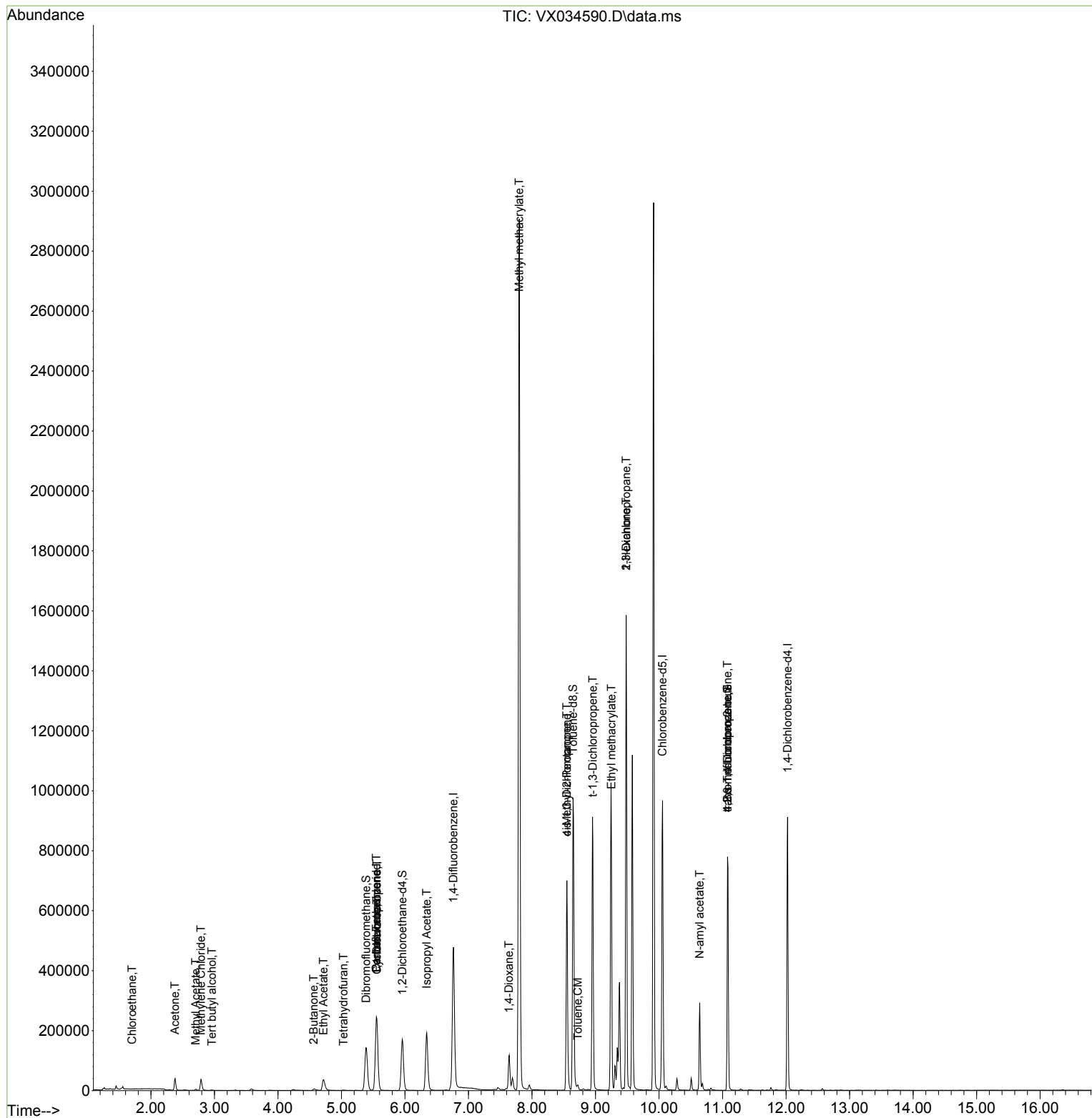
Internal Standards						
1) Pentafluorobenzene	5.549	168	230052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	445948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	162169	48.455	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.920%		
35) Dibromofluoromethane	5.385	113	126154	42.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.700%		
50) Toluene-d8	8.646	98	549802	50.021	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.040%		
62) 4-Bromofluorobenzene	11.079	95	214543	48.324	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.306	50	516	Below Cal		93
6) Chloroethane	1.703	64	398	0.237 ug/l #		42
11) Tert butyl alcohol	2.958	59	1788	2.565 ug/l #		91
16) Acetone	2.379	43	41546	26.353 ug/l		99
18) Methyl Acetate	2.702	43	5038	0.978 ug/l		93
20) Methylene Chloride	2.788	84	16423	5.368 ug/l		96
25) 2-Butanone	4.562	43	10788	4.782 ug/l #		90
29) Tetrahydrofuran	5.031	42	1499	1.077 ug/l #		66
31) Cyclohexane	5.556	56	5399	1.150 ug/l #		1
36) 1,1-Dichloropropene	5.556	75	18803	4.158 ug/l #		50
37) Ethyl Acetate	4.714	43	66167	13.393 ug/l		99
38) Carbon Tetrachloride	5.549	117	23541	5.233 ug/l #		16
43) Isopropyl Acetate	6.342	43	267744	31.990 ug/l		99
48) Methyl methacrylate	7.799	41	268692	66.750 ug/l #		47
49) 1,4-Dioxane	7.634	88	56	0.662 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	243810	50.215 ug/l #		49
52) Toluene	8.720	92	4530	0.553 ug/l		89
53) t-1,3-Dichloropropene	8.957	75	1934	0.378 ug/l #		43
54) cis-1,3-Dichloropropene	8.549	75	102055	18.422 ug/l #		62
56) Ethyl methacrylate	9.250	69	2221	0.416 ug/l #		1
57) 1,3-Dichloropropane	9.482	76	12807	2.217 ug/l #		43
59) 2-Hexanone	9.482	43	193881	51.657 ug/l #		50
74) N-amyl acetate	10.640	43	80373	12.345 ug/l #		53
76) 1,2,3-Trichloropropane	11.079	75	115139	28.513 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	115139	77.136 ug/l #		8

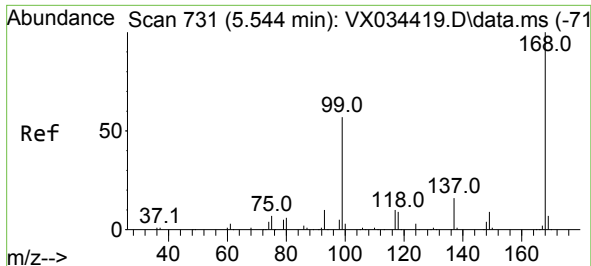
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
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Sample : PB151466ZHE#11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

Quant Time: Mar 20 00:05:13 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

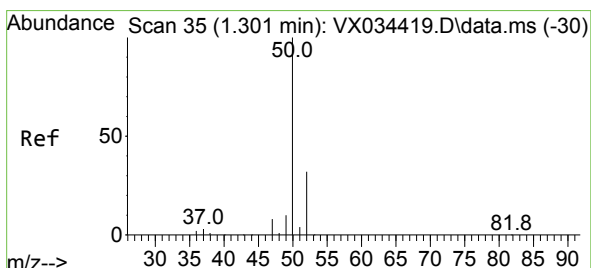
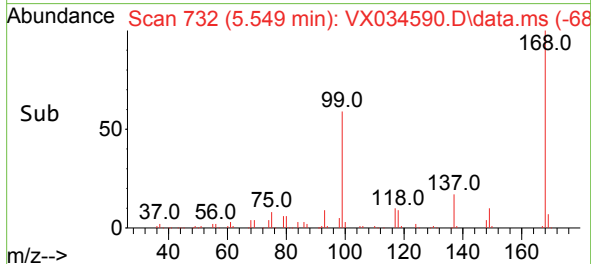
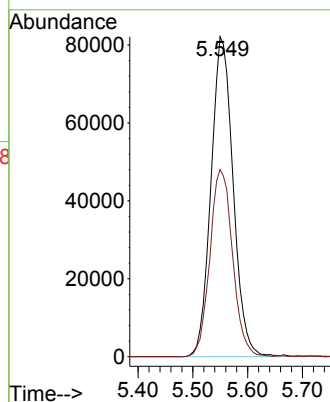
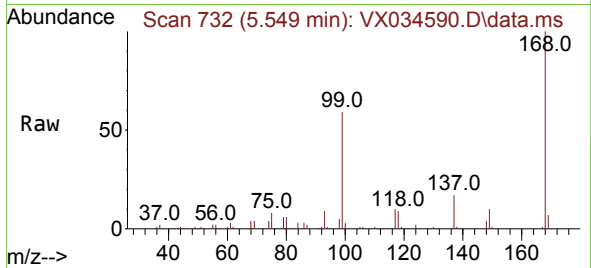




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.005 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

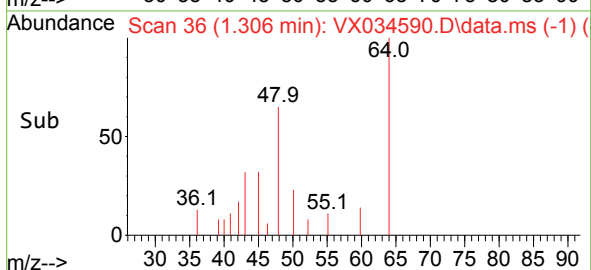
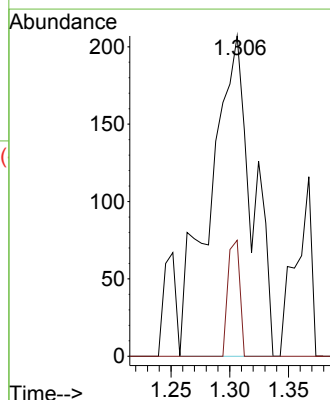
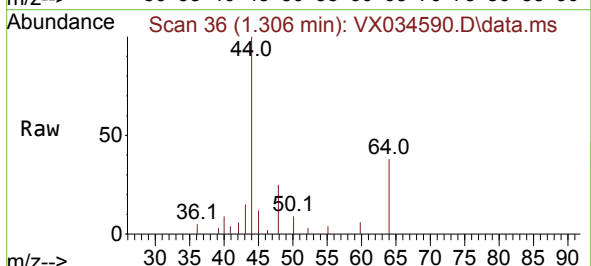
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

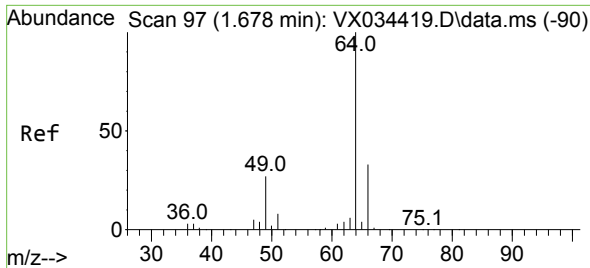
Tgt Ion:168 Resp: 230052
Ion Ratio Lower Upper
168 100
99 58.5 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.306 min Scan# 36
Delta R.T. 0.005 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 36.2 25.9 38.9

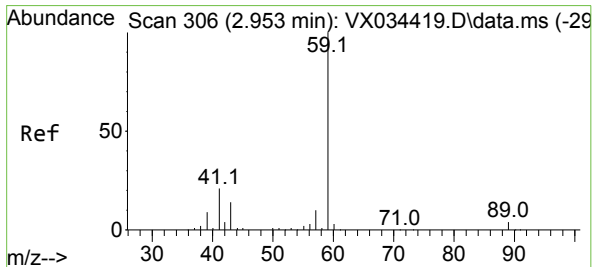
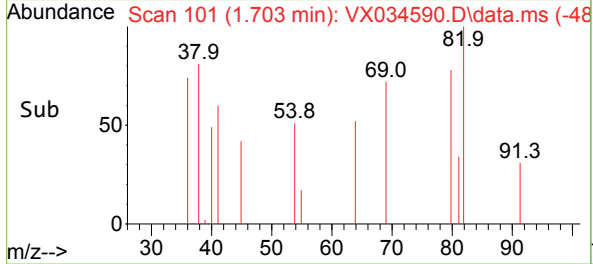
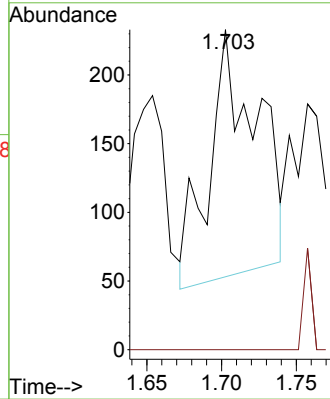
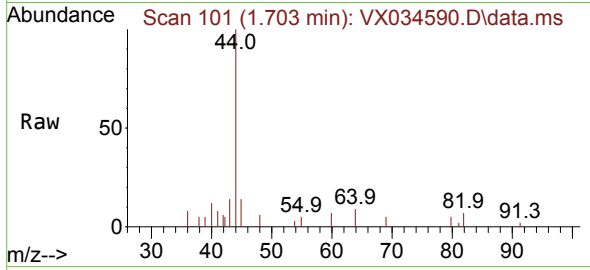




#6
Chloroethane
Concen: 0.237 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

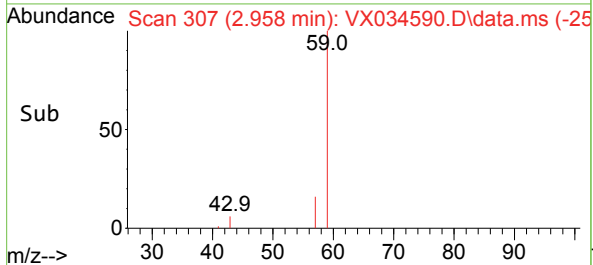
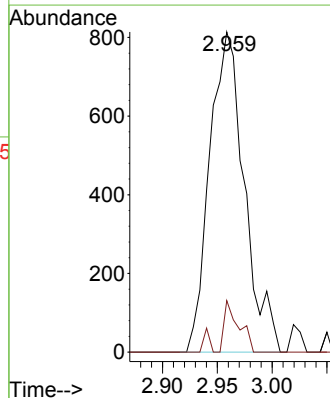
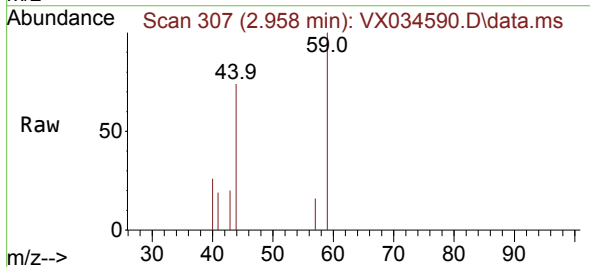
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

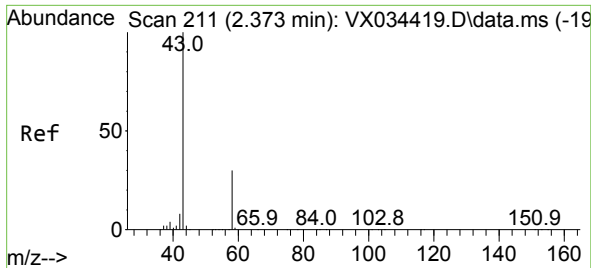
Tgt Ion: 64 Resp: 398
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.565 ug/l
RT: 2.958 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 59 Resp: 1788
Ion Ratio Lower Upper
59 100
57 6.9 8.1 12.1#

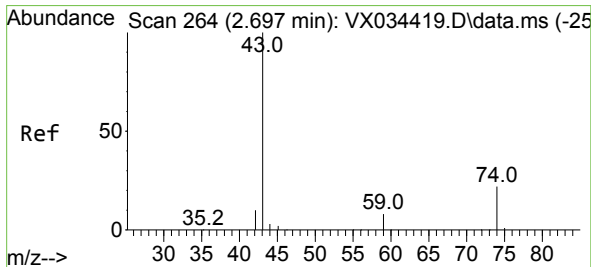
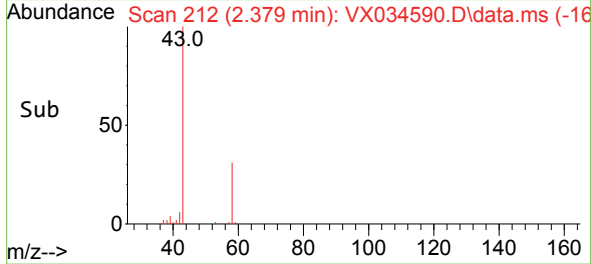
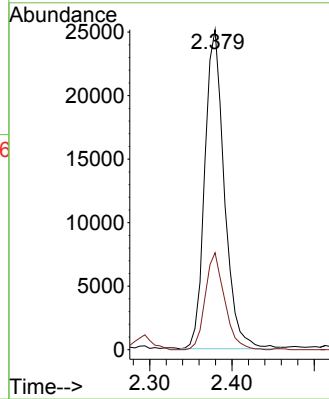
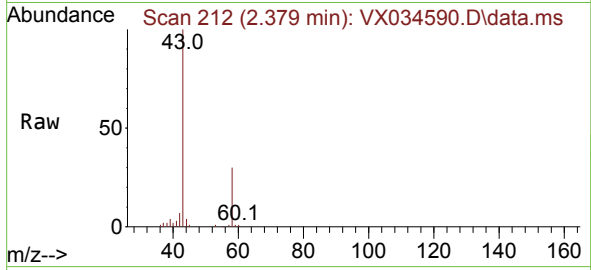




#16
Acetone
Concen: 26.353 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

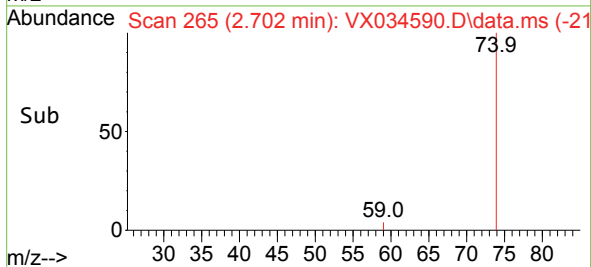
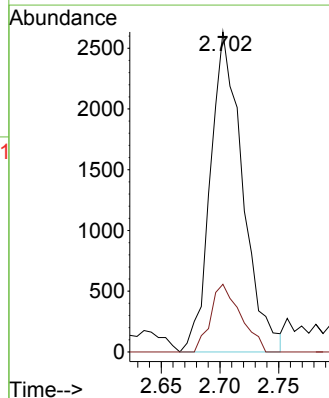
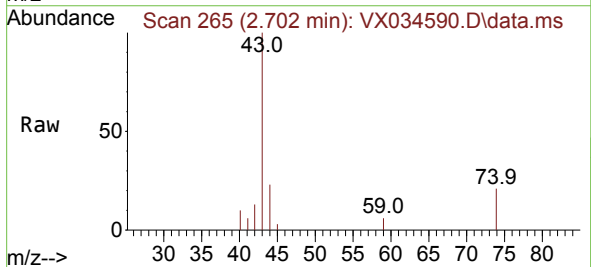
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

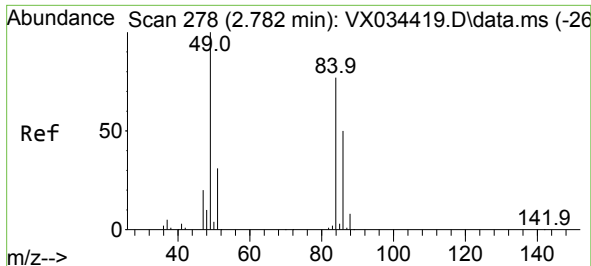
Tgt Ion: 43 Resp: 41546
Ion Ratio Lower Upper
43 100
58 30.4 24.7 37.1



#18
Methyl Acetate
Concen: 0.978 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 43 Resp: 5038
Ion Ratio Lower Upper
43 100
74 19.7 18.3 27.5

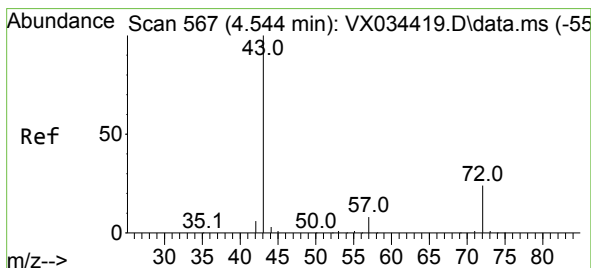
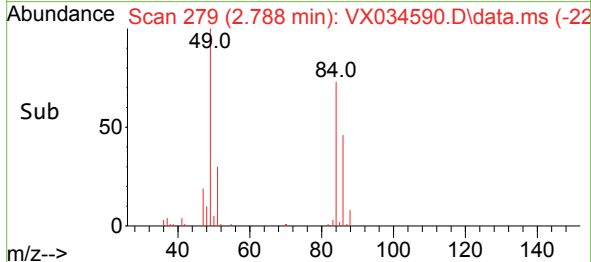
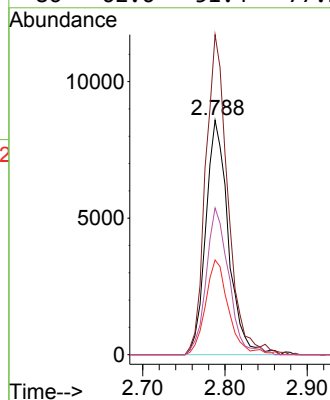
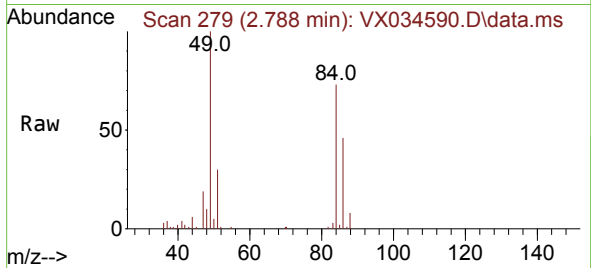




#20
Methylene Chloride
Concen: 5.368 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

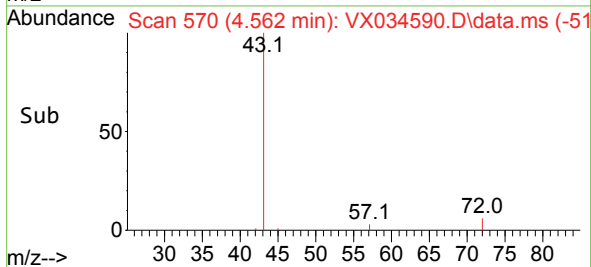
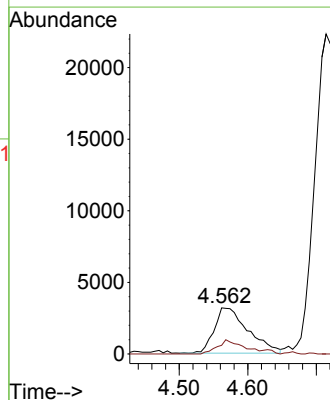
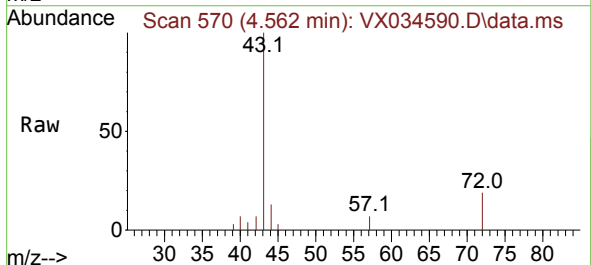
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

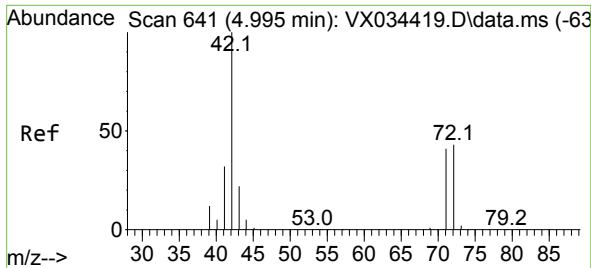
Tgt Ion: 84 Resp: 16423
Ion Ratio Lower Upper
84 100
49 136.5 103.8 155.8
51 40.4 31.8 47.8
86 62.6 51.4 77.2



#25
2-Butanone
Concen: 4.782 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 43 Resp: 10788
Ion Ratio Lower Upper
43 100
72 19.1 19.3 28.9#

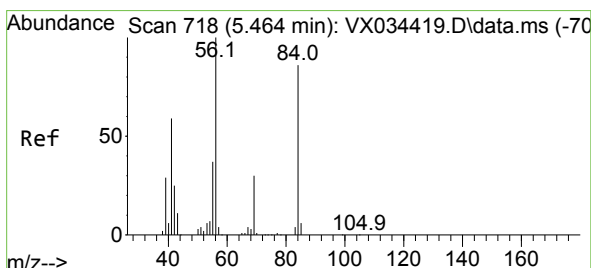
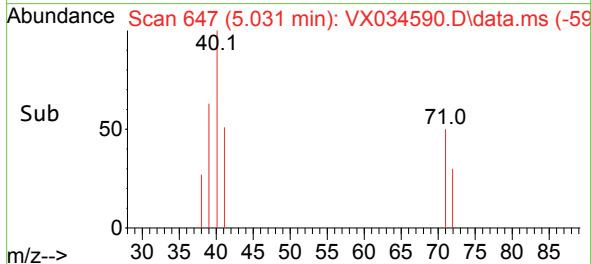
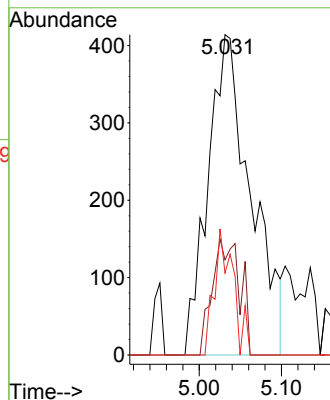
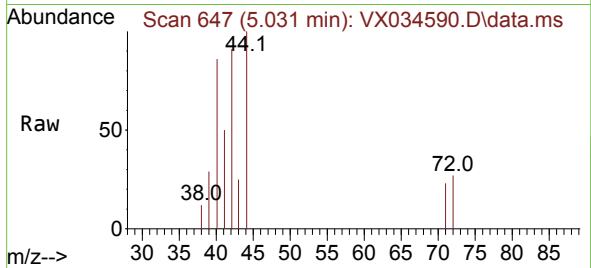




#29
Tetrahydrofuran
Concen: 1.077 ug/l
RT: 5.031 min Scan# 641
Delta R.T. 0.036 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

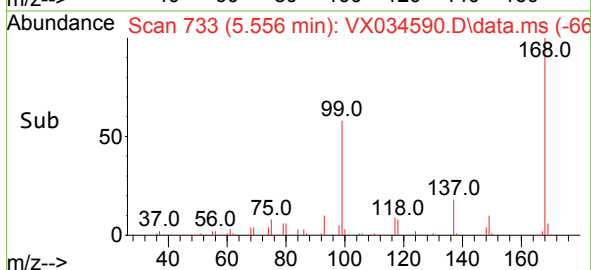
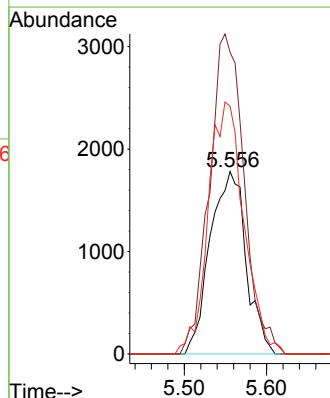
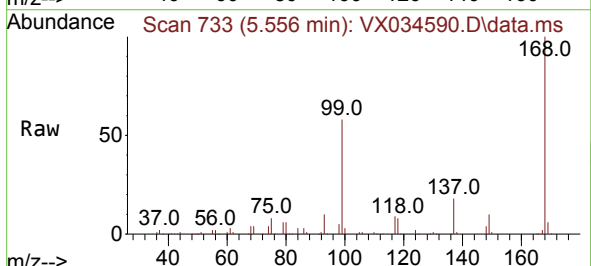
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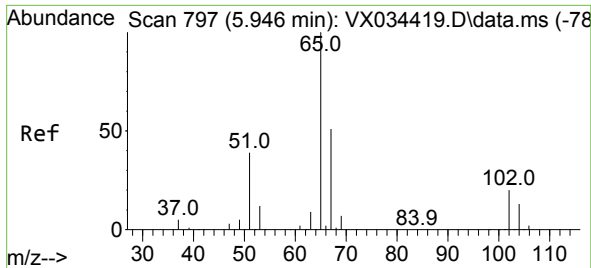
Tgt Ion:	42	Resp:	1499
Ion	Ratio	Lower	Upper
42	100		
72	23.3	34.5	51.7#
71	17.4	32.1	48.1#



#31
Cyclohexane
Concen: 1.150 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion:	56	Resp:	5399
Ion	Ratio	Lower	Upper
56	100		
69	165.2	23.7	35.5#
84	131.7	68.5	102.7#

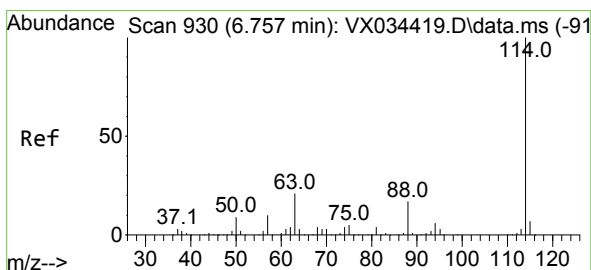
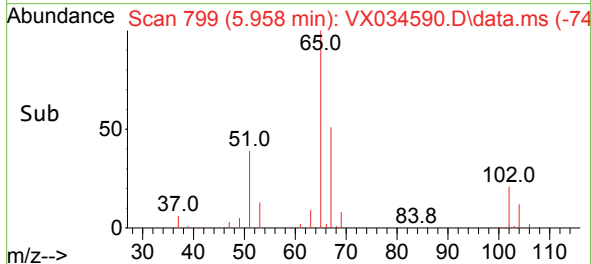
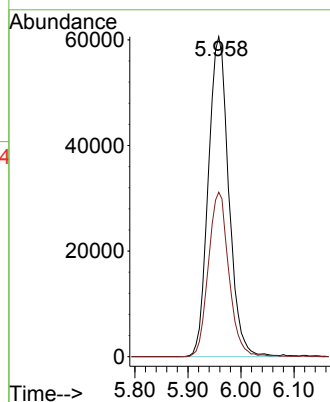
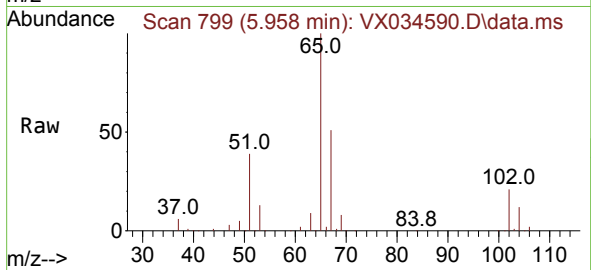




#33
 1,2-Dichloroethane-d4
 Concen: 48.455 ug/l
 RT: 5.958 min Scan# 797
 Delta R.T. 0.012 min
 Lab File: VX034590.D
 Acq: 17 Mar 2023 17:31

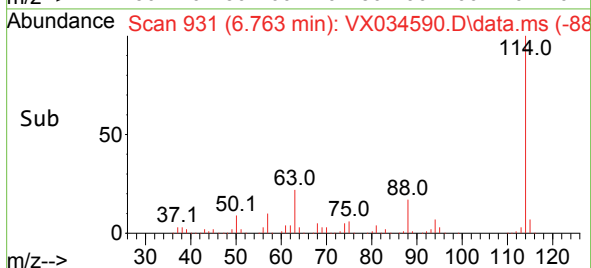
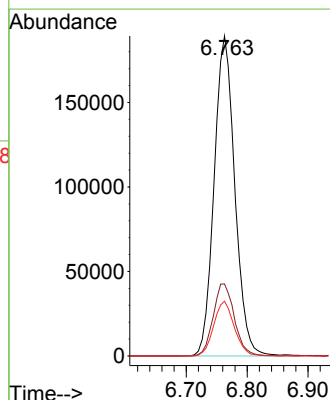
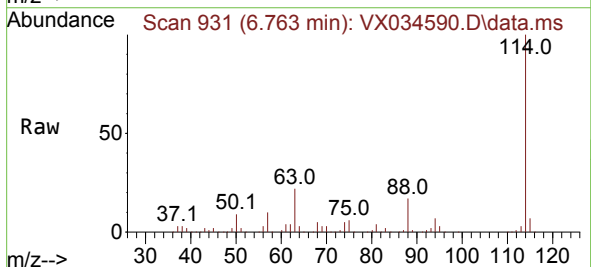
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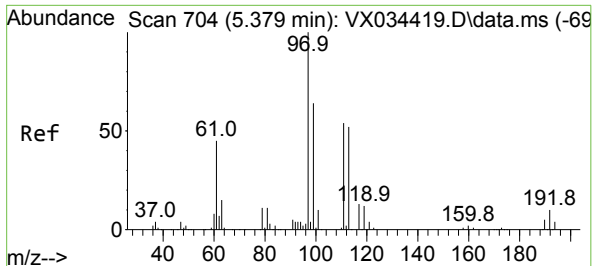
Tgt Ion: 65 Resp: 162169
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034590.D
 Acq: 17 Mar 2023 17:31

Tgt Ion: 114 Resp: 445948
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.2
 88 17.1 0.0 33.2

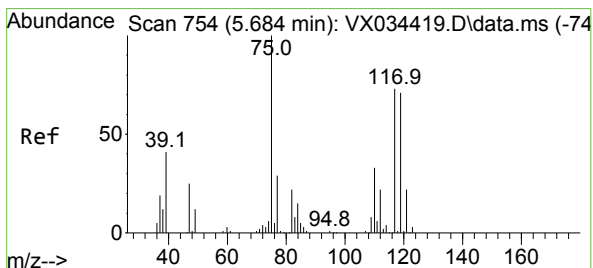
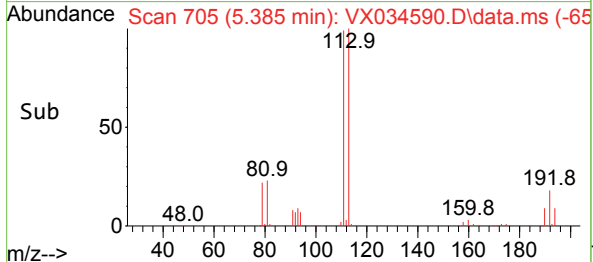
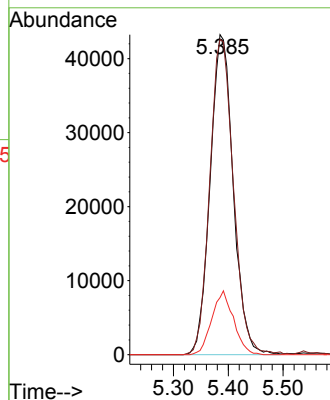
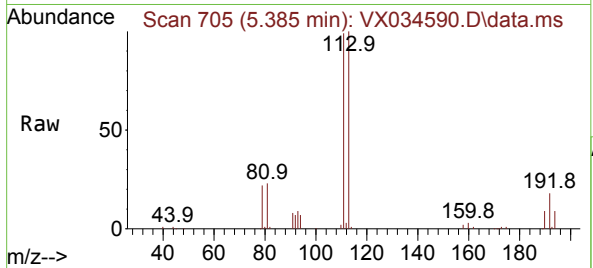




#35
Dibromofluoromethane
Concen: 42.846 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

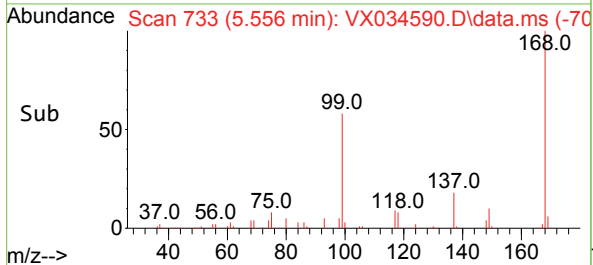
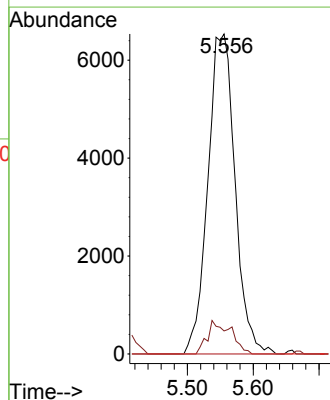
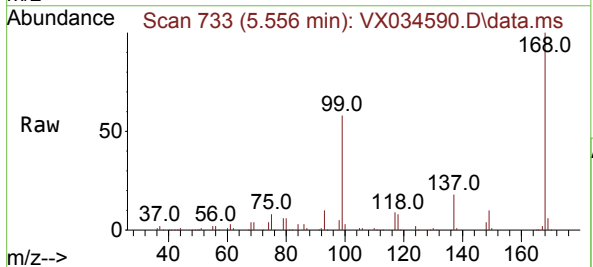
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

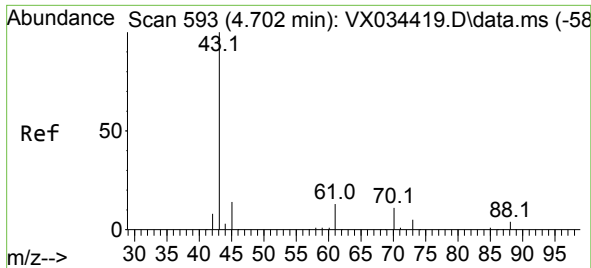
Tgt Ion:113 Resp: 126154
Ion Ratio Lower Upper
113 100
111 101.2 83.7 125.5
192 18.8 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.158 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 75 Resp: 18803
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.393 ug/l

RT: 4.714 min Scan# 593

Delta R.T. 0.012 min

Lab File: VX034590.D

Acq: 17 Mar 2023 17:31

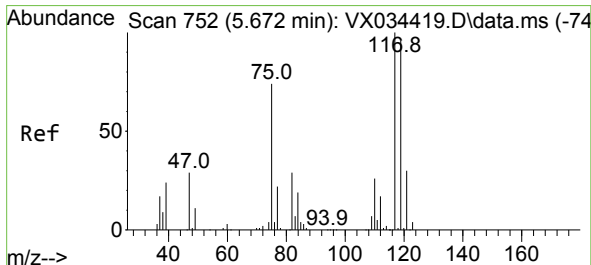
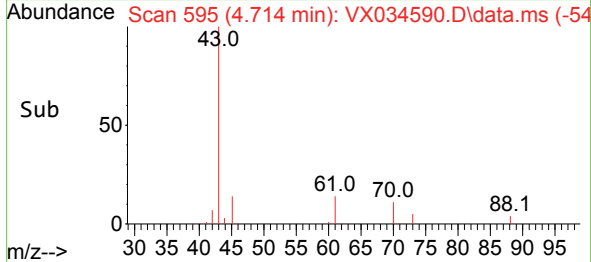
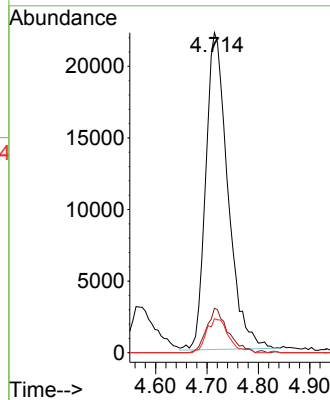
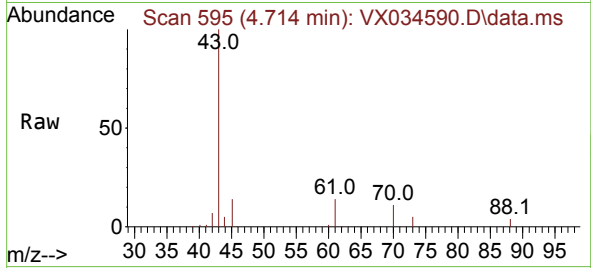
Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#11

Tgt Ion: 43	Resp: 66167
Ion Ratio	Lower Upper
43 100	
61 13.4	10.2 15.4
70 10.7	8.2 12.4



#38

Carbon Tetrachloride

Concen: 5.233 ug/l

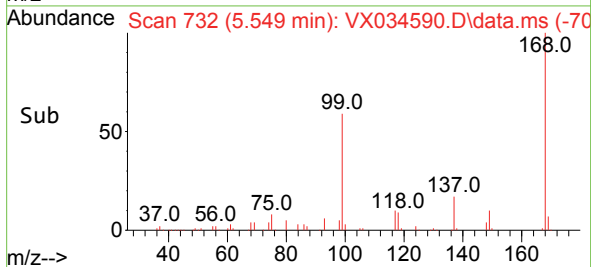
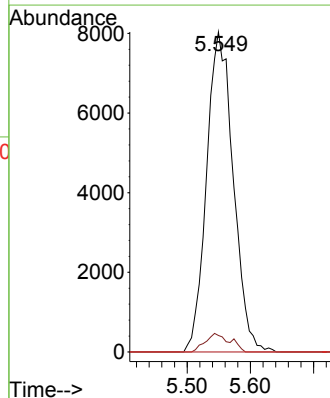
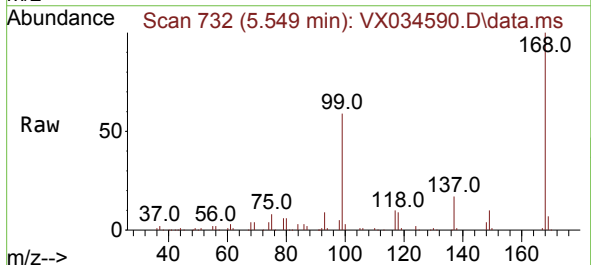
RT: 5.549 min Scan# 732

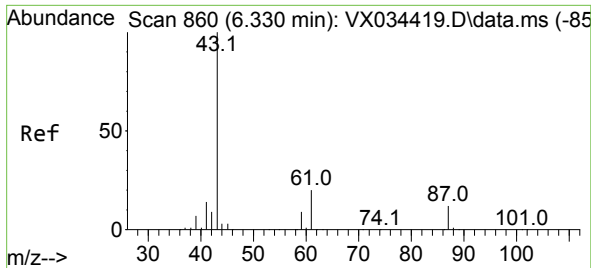
Delta R.T. -0.122 min

Lab File: VX034590.D

Acq: 17 Mar 2023 17:31

Tgt Ion: 117	Resp: 23541
Ion Ratio	Lower Upper
117 100	
119 5.2	76.6 114.8#
121 0.0	23.8 35.6#

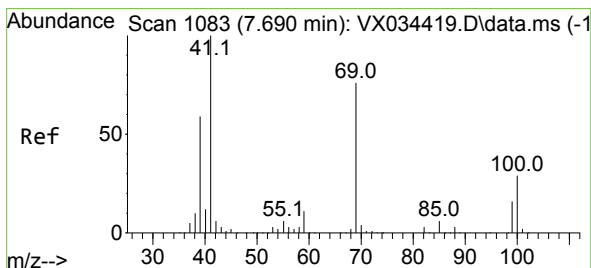
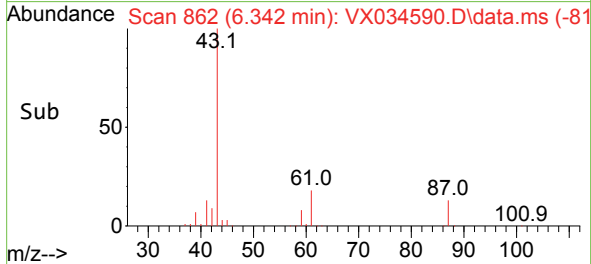
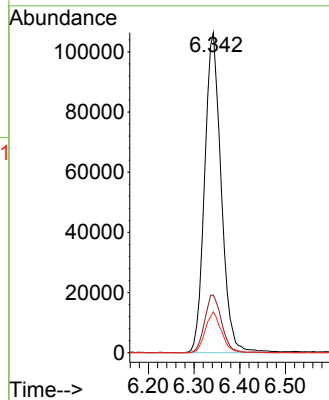
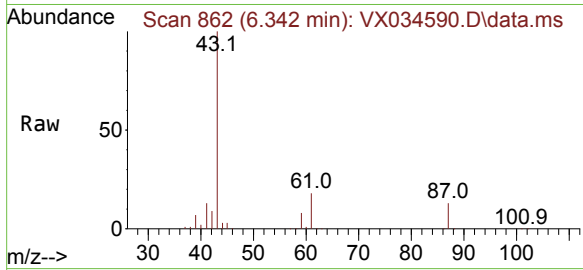




#43
Isopropyl Acetate
Concen: 31.990 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

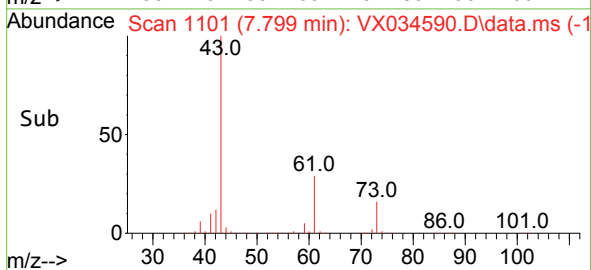
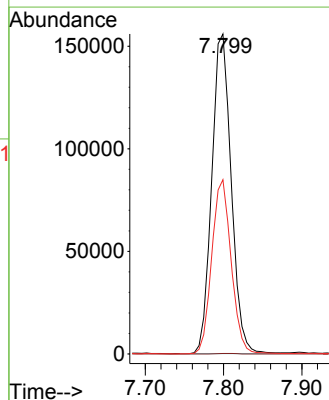
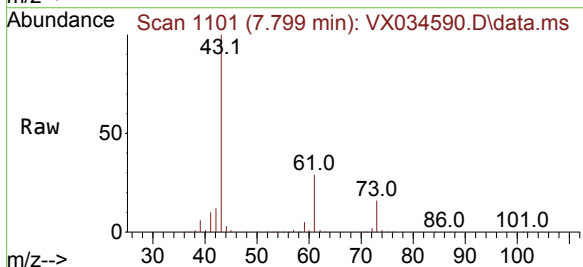
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

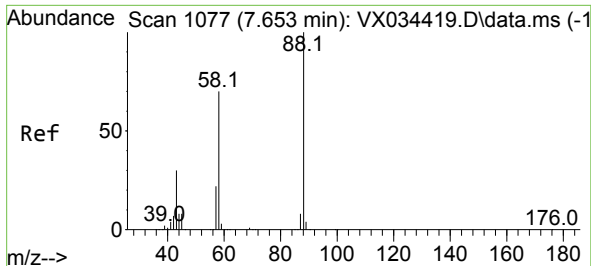
Tgt Ion: 43 Resp: 267744
Ion Ratio Lower Upper
43 100
61 18.3 15.2 22.8
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 66.750 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 41 Resp: 268692
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 54.5 47.7 71.5





#49

1,4-Dioxane

Concen: 0.662 ug/l

RT: 7.634 min Scan# 1077

Delta R.T. -0.019 min

Lab File: VX034590.D

Acq: 17 Mar 2023 17:31

Instrument :

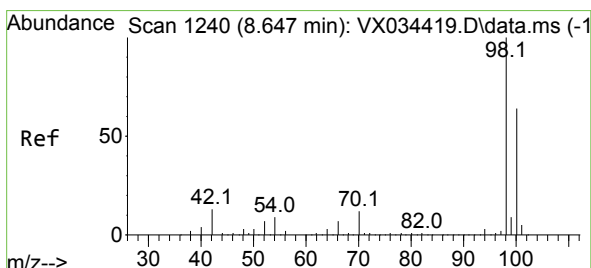
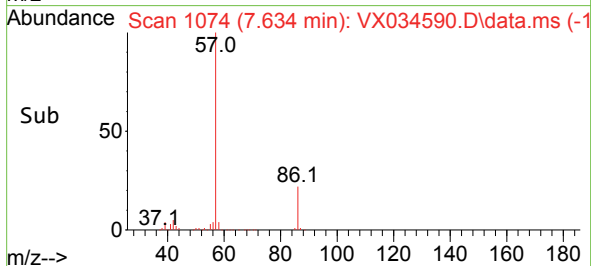
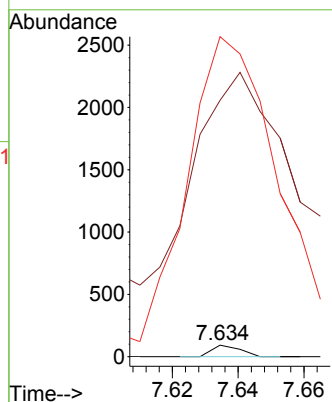
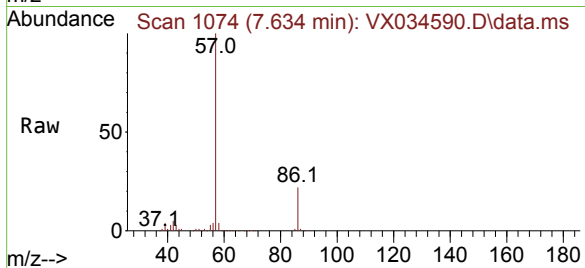
MSVOA_X

ClientSampleId :

PB151466ZHE#11

Tgt Ion: 88 Resp: 56

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	8785.7	56.8	85.2#



#50

Toluene-d8

Concen: 50.021 ug/l

RT: 8.646 min Scan# 1240

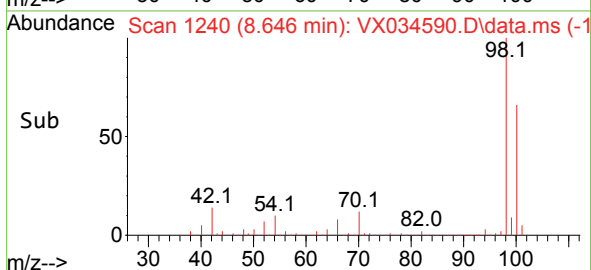
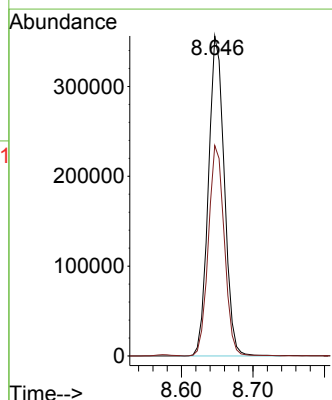
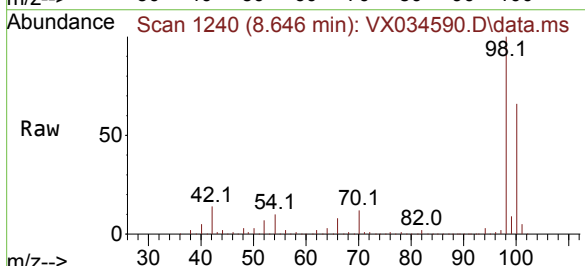
Delta R.T. -0.000 min

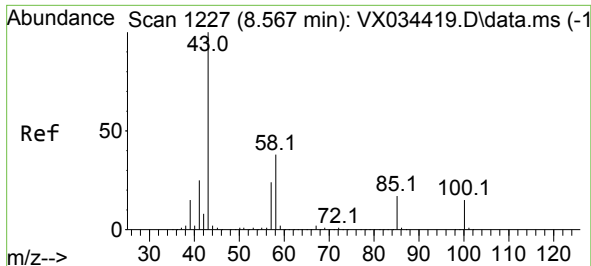
Lab File: VX034590.D

Acq: 17 Mar 2023 17:31

Tgt Ion: 98 Resp: 549802

Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.5	78.7

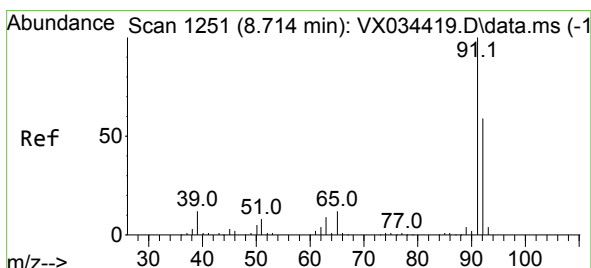
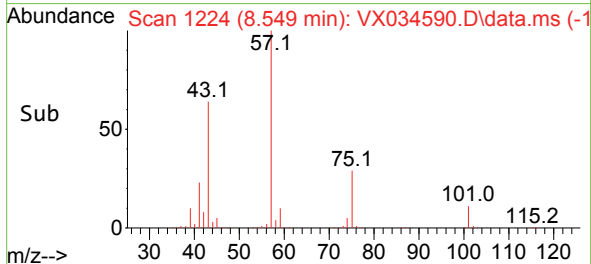
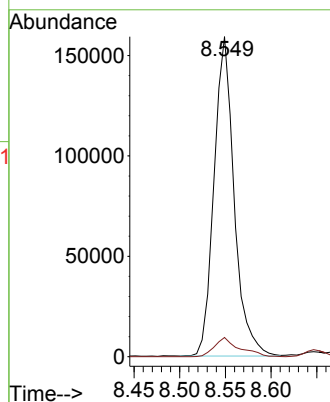
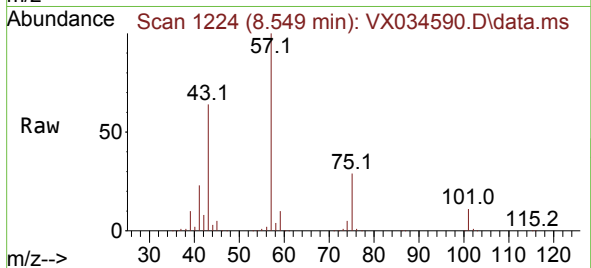




#51
4-Methyl-2-Pentanone
Concen: 50.215 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.019 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

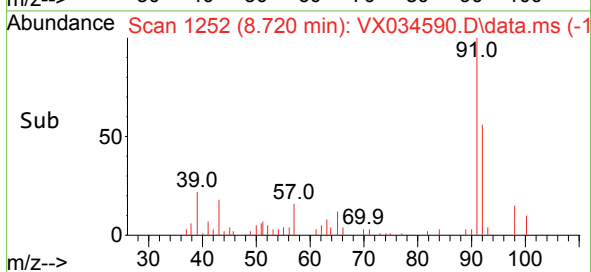
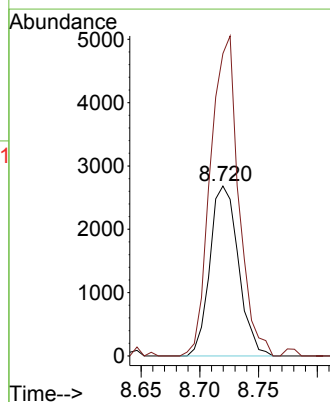
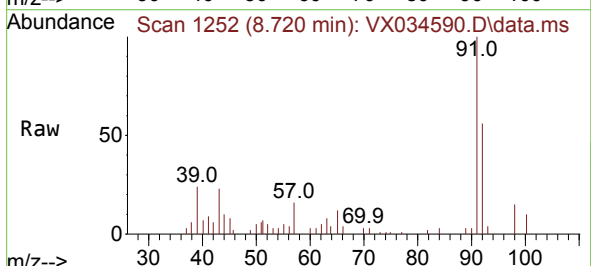
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

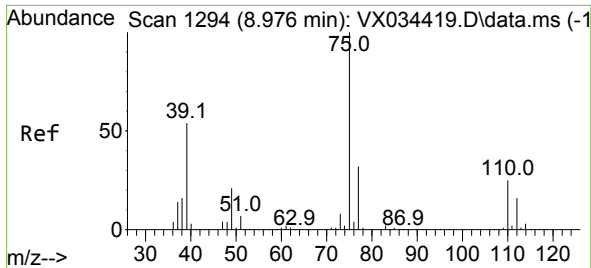
Tgt Ion: 43 Resp: 243810
Ion Ratio Lower Upper
43 100
58 7.3 30.6 46.0#



#52
Toluene
Concen: 0.553 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 92 Resp: 4530
Ion Ratio Lower Upper
92 100
91 186.0 136.8 205.2

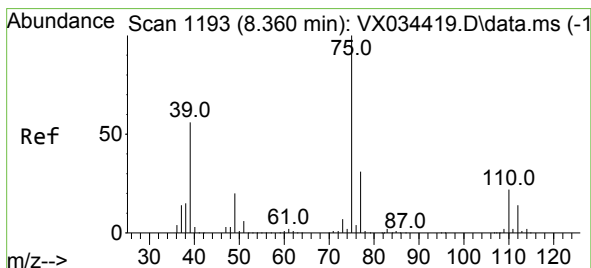
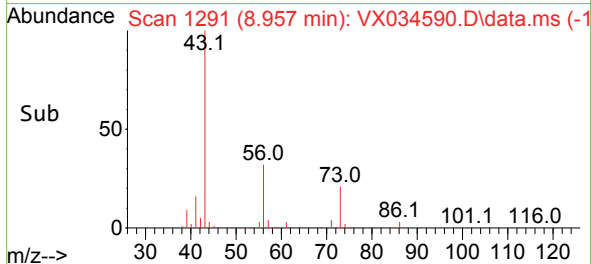
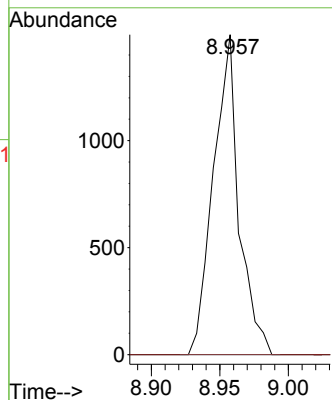
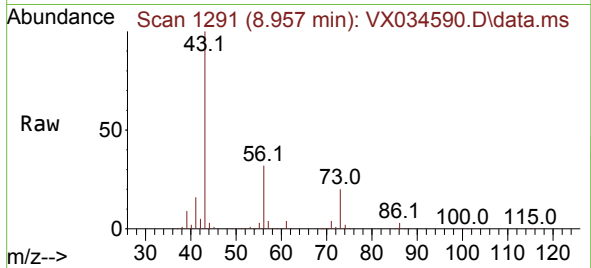




#53
 t-1,3-Dichloropropene
 Concen: 0.378 ug/l
 RT: 8.957 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VX034590.D
 Acq: 17 Mar 2023 17:31

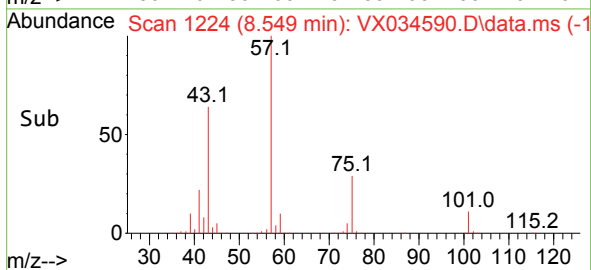
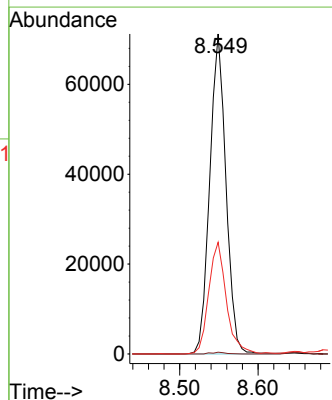
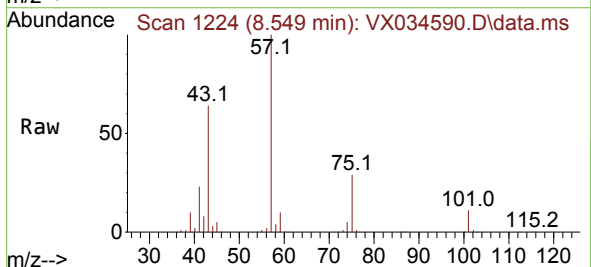
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#11

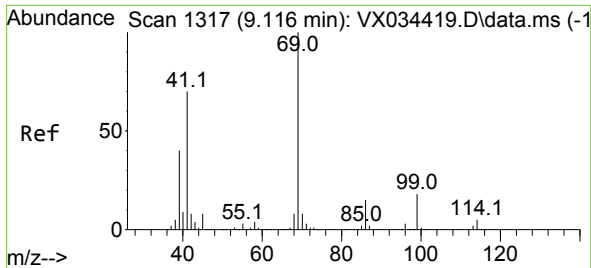
Tgt Ion: 75 Resp: 1934
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.422 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034590.D
 Acq: 17 Mar 2023 17:31

Tgt Ion: 75 Resp: 102055
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 34.9 44.6 66.8#

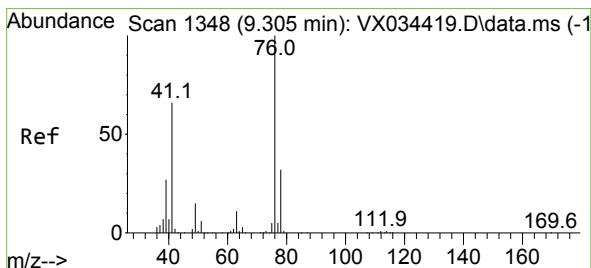
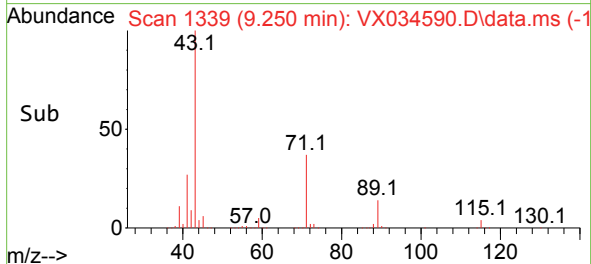
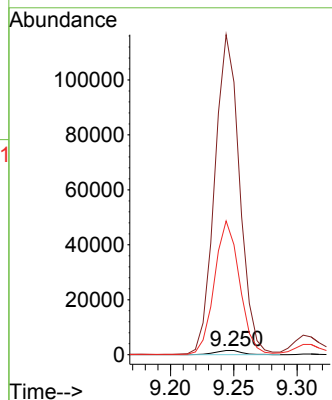
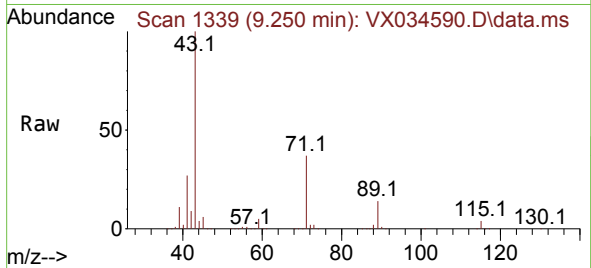




#56
Ethyl methacrylate
Concen: 0.416 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

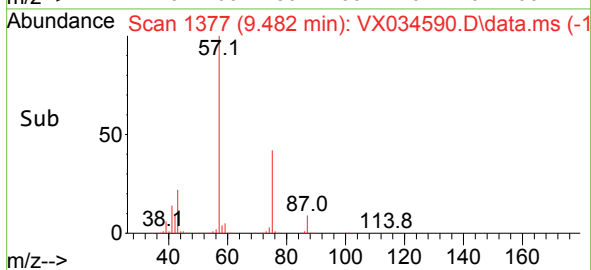
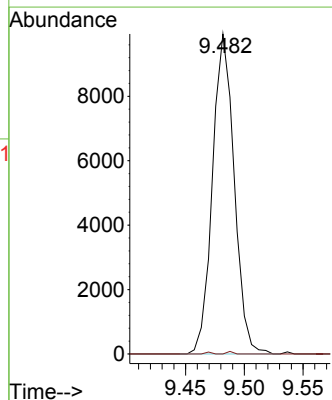
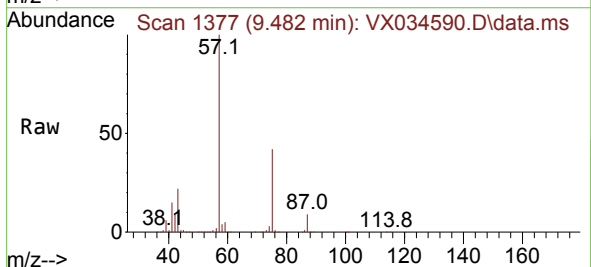
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

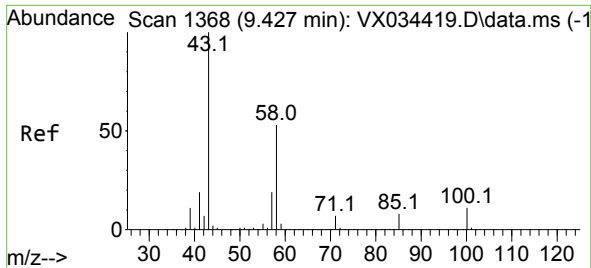
Tgt Ion: 69 Resp: 2221
Ion Ratio Lower Upper
69 100
41 7153.7 57.4 86.0#
39 3016.7 33.7 50.5#



#57
1,3-Dichloropropane
Concen: 2.217 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 76 Resp: 12807
Ion Ratio Lower Upper
76 100
78 0.2 25.8 38.8#

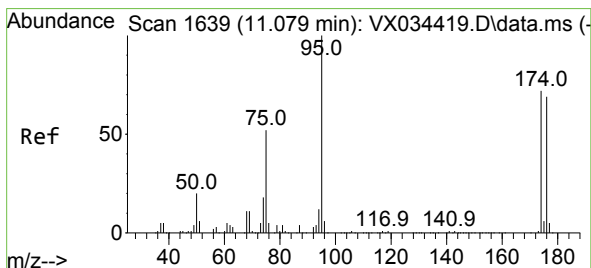
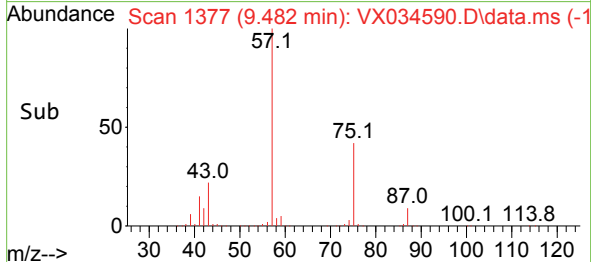
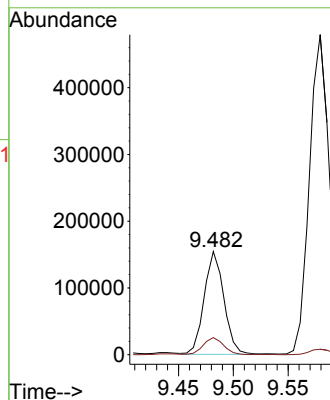
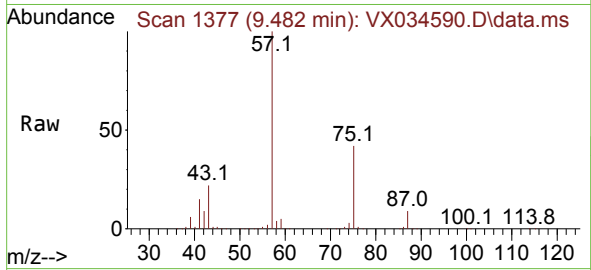




#59
2-Hexanone
Concen: 51.657 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

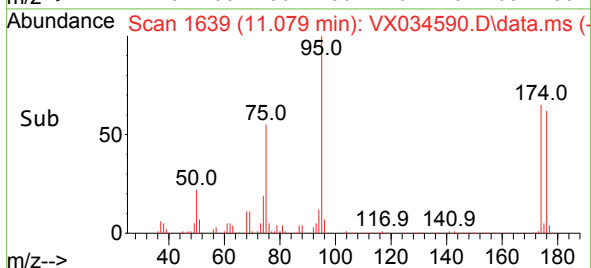
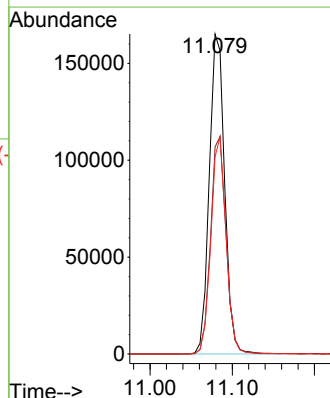
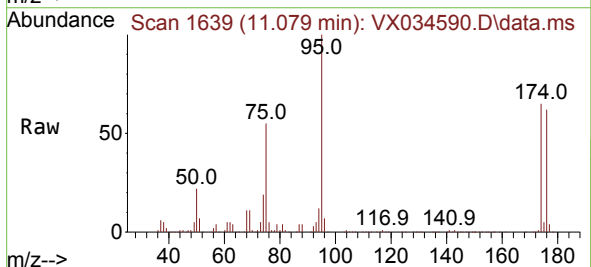
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

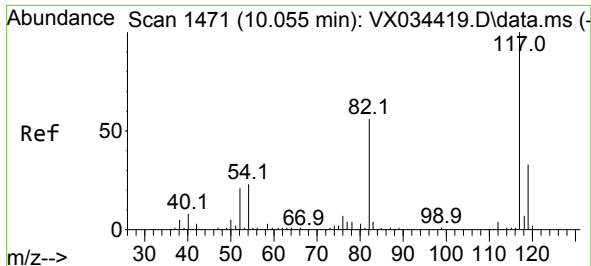
Tgt Ion: 43 Resp: 193881
Ion Ratio Lower Upper
43 100
58 17.3 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 48.324 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion: 95 Resp: 214543
Ion Ratio Lower Upper
95 100
174 68.6 0.0 147.4
176 66.9 0.0 140.6

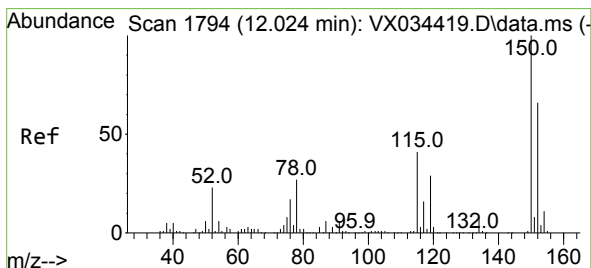
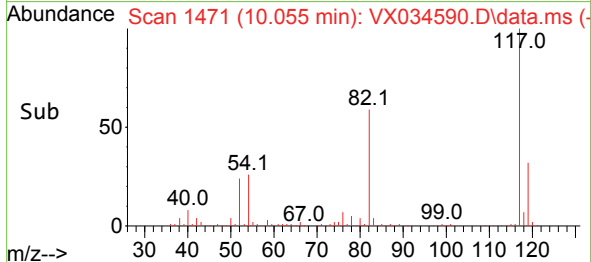
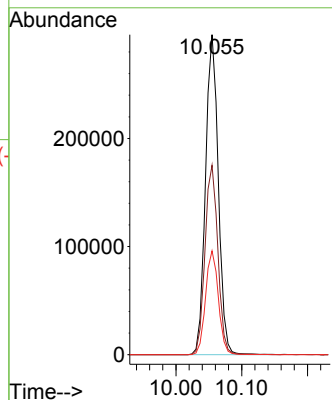
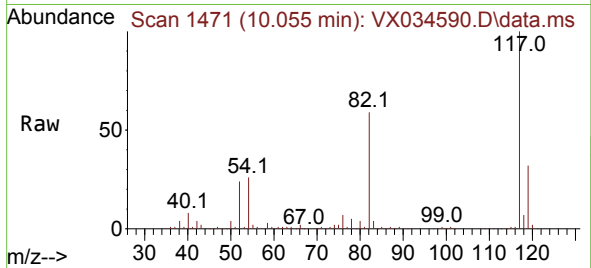




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

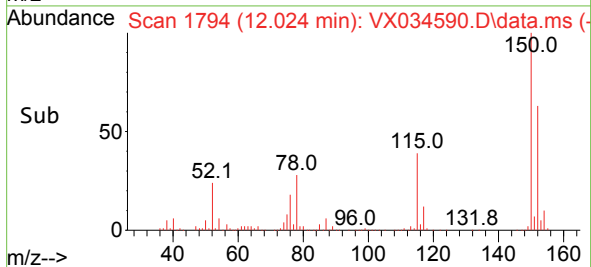
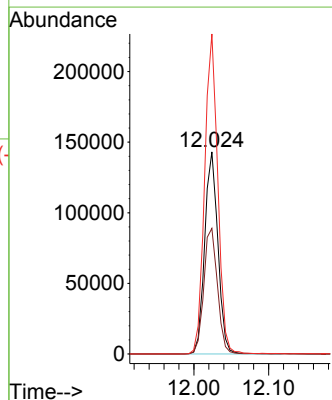
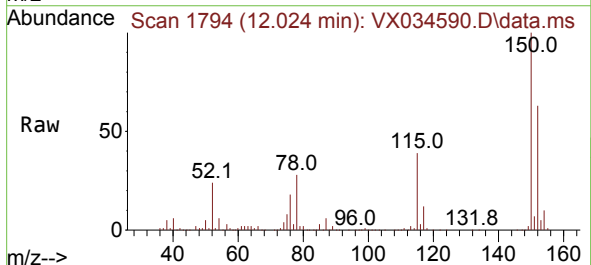
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#11

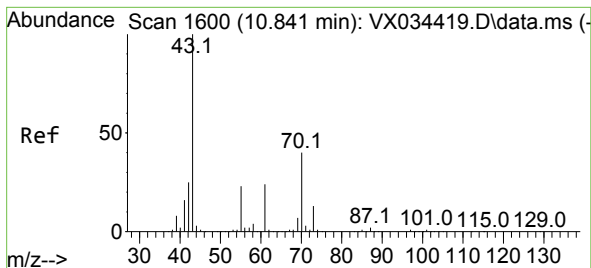
Tgt Ion:117 Resp: 399595
Ion Ratio Lower Upper
117 100
82 59.2 45.0 67.4
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034590.D
Acq: 17 Mar 2023 17:31

Tgt Ion:152 Resp: 175868
Ion Ratio Lower Upper
152 100
115 64.1 45.0 135.0
150 157.2 0.0 352.4





#74

N-amy1 acetate

Concen: 12.345 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034590.D

Acq: 17 Mar 2023 17:31

Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#11

Tgt Ion: 43 Resp: 80373

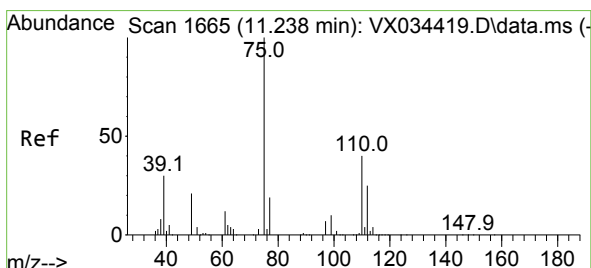
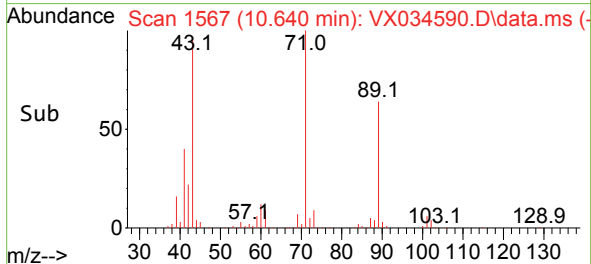
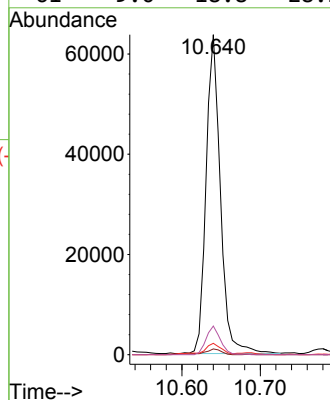
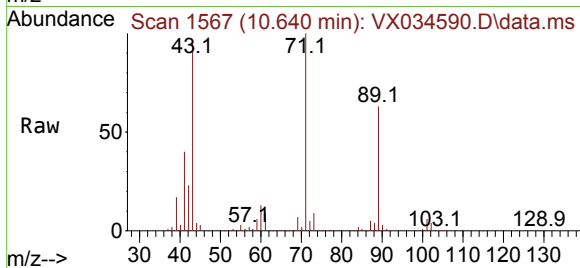
Ion Ratio Lower Upper

43 100

70 2.2 32.1 48.1#

55 4.4 18.3 27.5#

61 9.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 28.513 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX034590.D

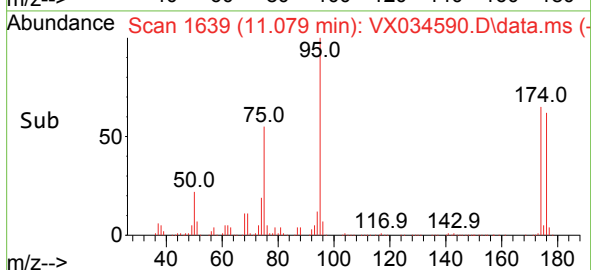
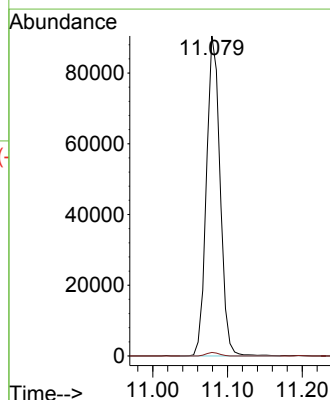
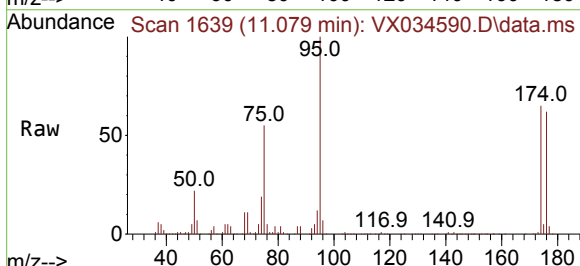
Acq: 17 Mar 2023 17:31

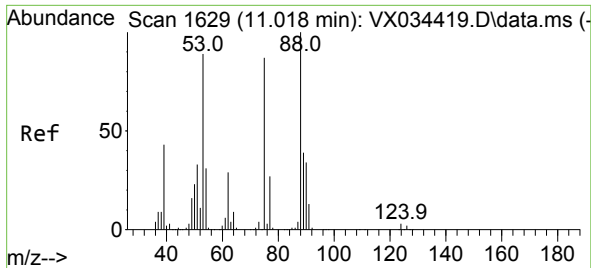
Tgt Ion: 75 Resp: 115139

Ion Ratio Lower Upper

75 100

77 1.1 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.136 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX034590.D
 Acq: 17 Mar 2023 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#11

Tgt Ion: 75 Resp: 115139
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

