

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034587.D
 Acq On : 17 Mar 2023 16:20
 Operator : JC/MD
 Sample : PB151466ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#08

Quant Time: Mar 20 00:03:42 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)

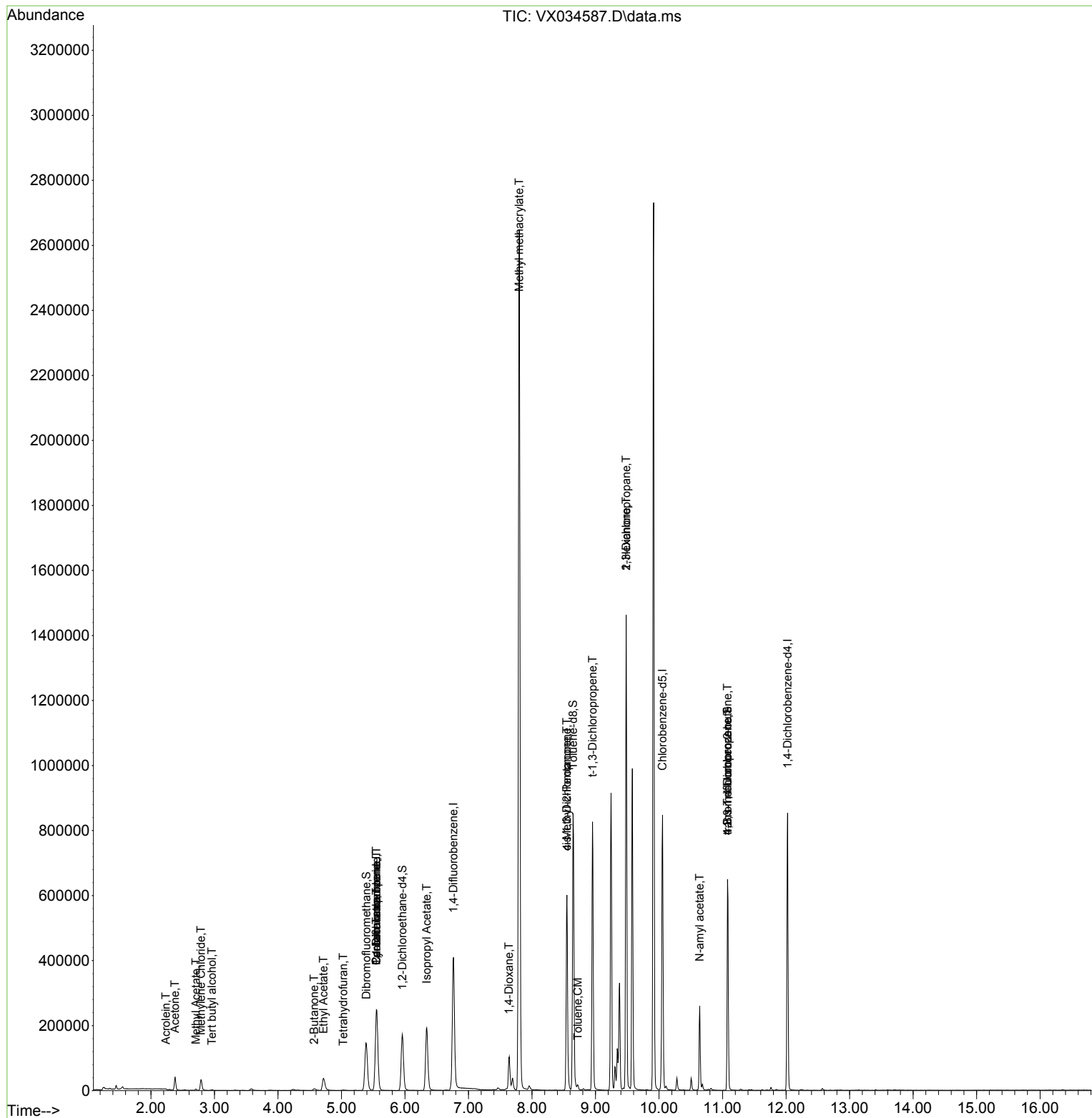
Internal Standards						
1) Pentafluorobenzene	5.550	168	233654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	397660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	163400	48.070	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.140%		
35) Dibromofluoromethane	5.391	113	124895	47.569	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.140%		
50) Toluene-d8	8.647	98	484532	49.435	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.880%		
62) 4-Bromofluorobenzene	11.079	95	167669	42.352	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.700%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	390	Below Cal		95
11) Tert butyl alcohol	2.959	59	1768	2.498 ug/l #		91
13) Acrolein	2.233	56	134	0.239 ug/l #		14
16) Acetone	2.379	43	40335	25.191 ug/l		97
18) Methyl Acetate	2.709	43	4851	0.927 ug/l		95
20) Methylene Chloride	2.788	84	15317	4.929 ug/l		97
25) 2-Butanone	4.568	43	10723	4.680 ug/l		99
29) Tetrahydrofuran	5.025	42	1015	0.718 ug/l #		71
31) Cyclohexane	5.550	56	5663	1.188 ug/l #		1
36) 1,1-Dichloropropene	5.550	75	19962	4.950 ug/l #		50
37) Ethyl Acetate	4.714	43	68160	15.471 ug/l		99
38) Carbon Tetrachloride	5.550	117	23938	5.967 ug/l #		15
43) Isopropyl Acetate	6.342	43	270259	36.212 ug/l		100
48) Methyl methacrylate	7.799	41	236317	65.836 ug/l #		46
49) 1,4-Dioxane	7.635	88	137	1.817 ug/l #		1
51) 4-Methyl-2-Pentanone	8.549	43	215219	49.709 ug/l #		49
52) Toluene	8.720	92	4228	0.579 ug/l		94
53) t-1,3-Dichloropropene	8.951	75	1774	0.389 ug/l #		43
54) cis-1,3-Dichloropropene	8.549	75	91525	18.527 ug/l #		62
57) 1,3-Dichloropropane	9.482	76	11604	2.253 ug/l #		42
59) 2-Hexanone	9.482	43	171583	51.268 ug/l #		51
74) N-amyl acetate	10.640	43	70082	11.287 ug/l #		54
76) 1,2,3-Trichloropropane	11.079	75	90075	23.389 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	90075	63.274 ug/l #		8

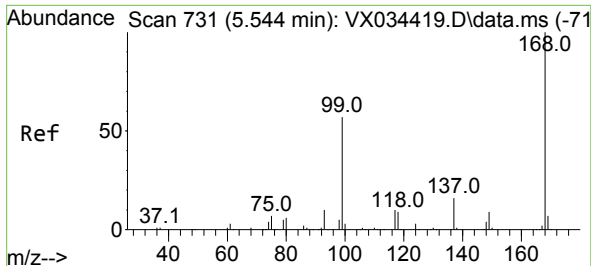
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
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Acq On : 17 Mar 2023 16:20
Operator : JC/MD
Sample : PB151466ZHE#08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

Quant Time: Mar 20 00:03:42 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

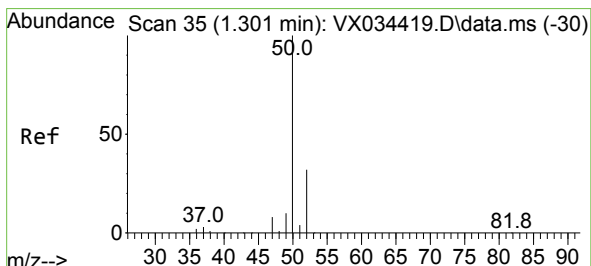
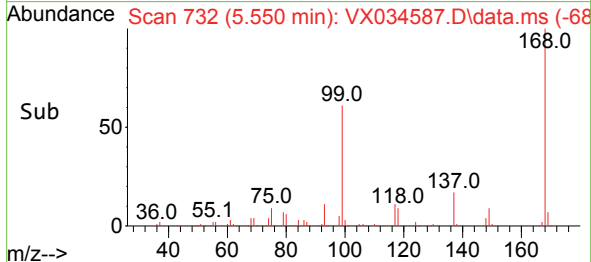
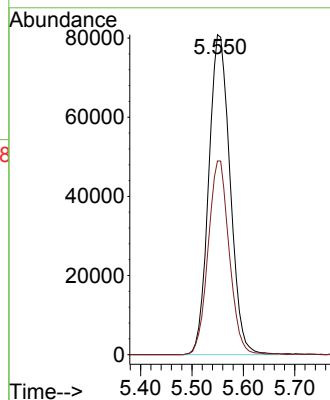
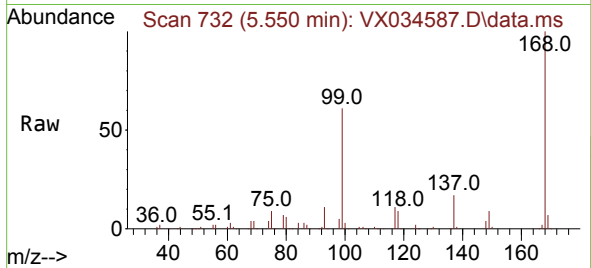




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

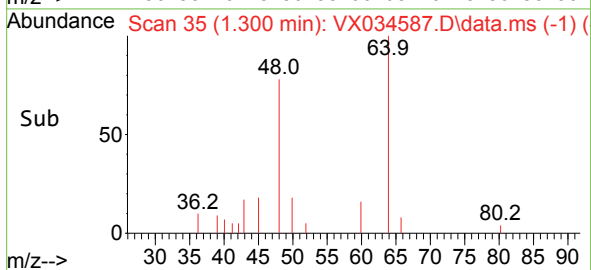
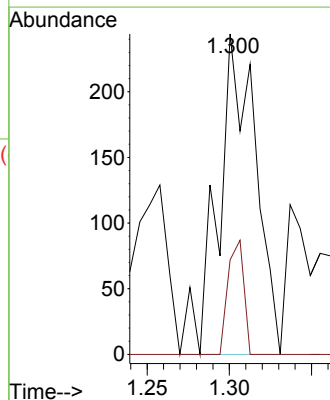
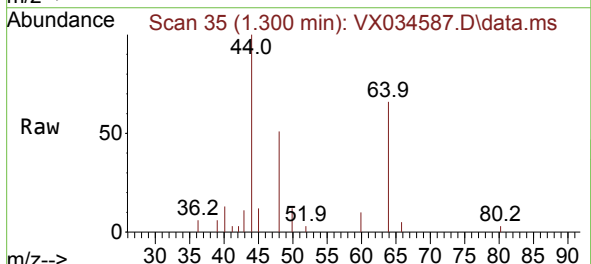
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

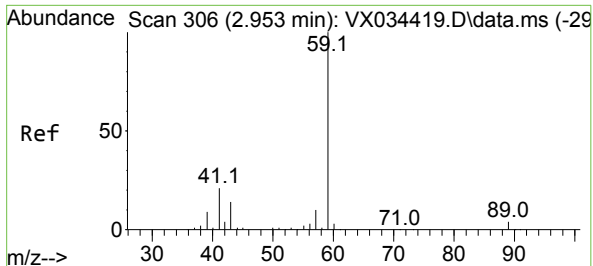
Tgt Ion:168 Resp: 233654
Ion Ratio Lower Upper
168 100
99 60.6 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 50 Resp: 390
Ion Ratio Lower Upper
50 100
52 29.5 25.9 38.9

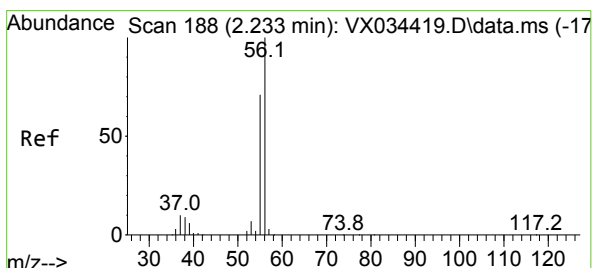
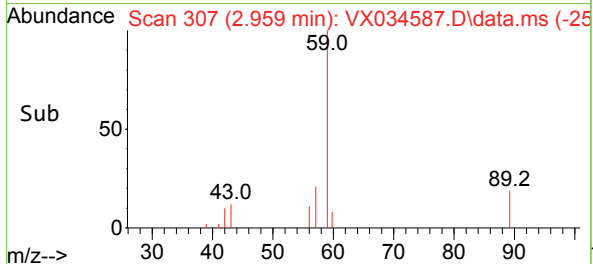
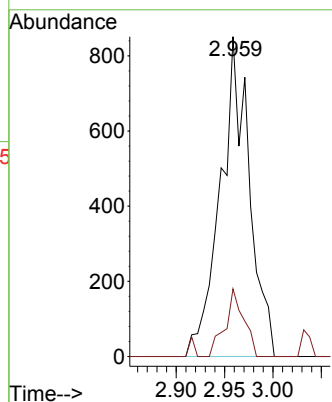
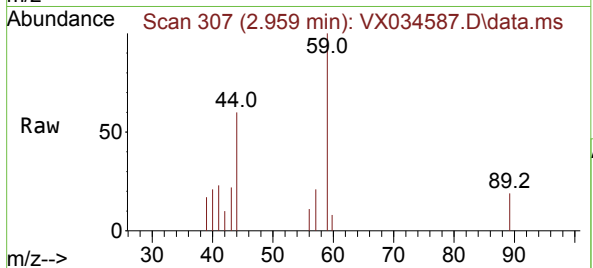




#11
Tert butyl alcohol
Concen: 2.498 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

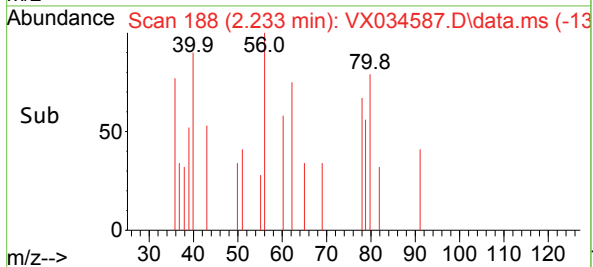
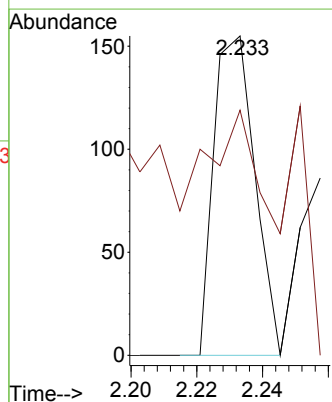
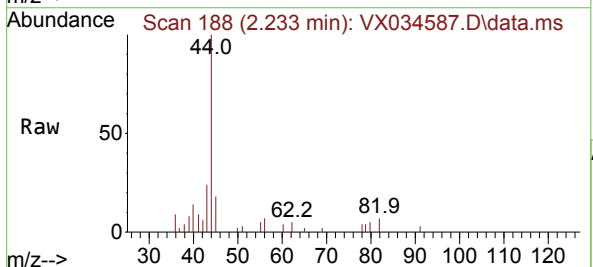
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

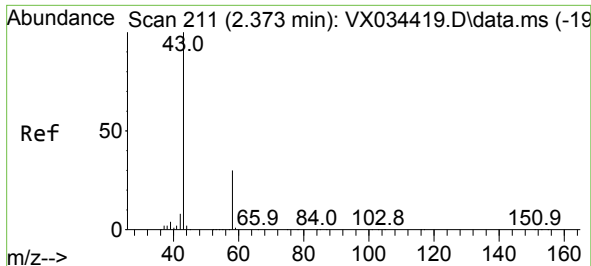
Tgt Ion: 59 Resp: 1768
Ion Ratio Lower Upper
59 100
57 13.6 8.1 12.1#



#13
Acrolein
Concen: 0.239 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

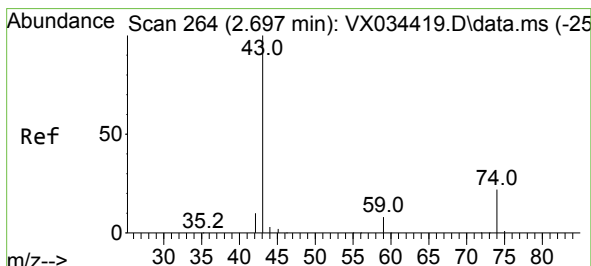
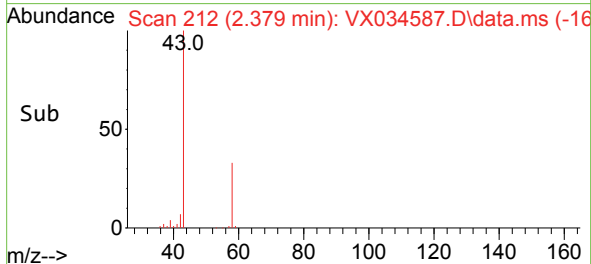
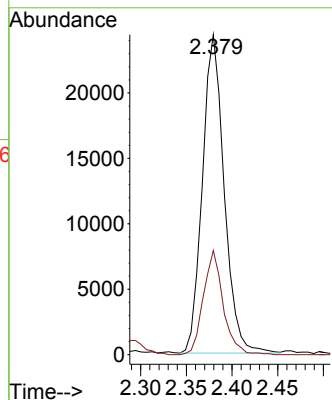
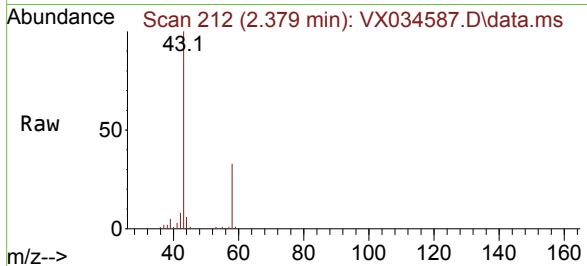




#16
Acetone
Concen: 25.191 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

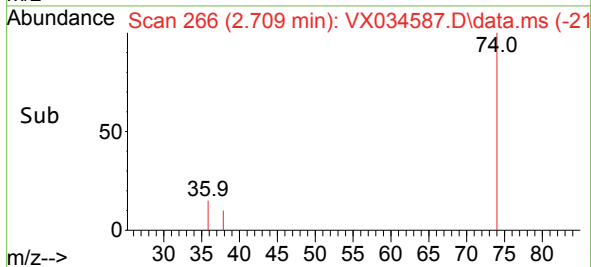
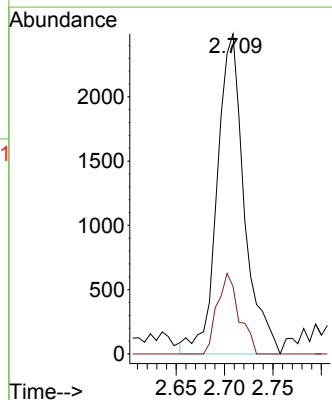
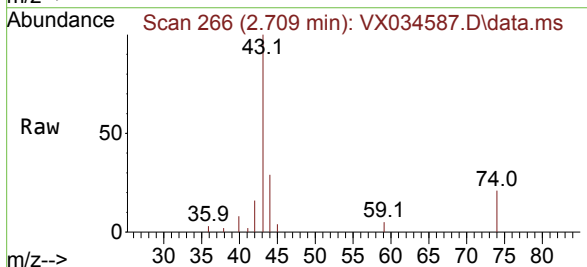
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

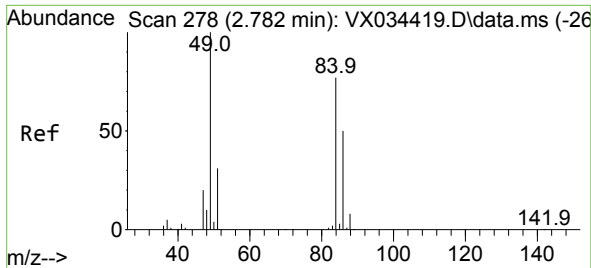
Tgt Ion: 43 Resp: 40335
Ion Ratio Lower Upper
43 100
58 32.7 24.7 37.1



#18
Methyl Acetate
Concen: 0.927 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

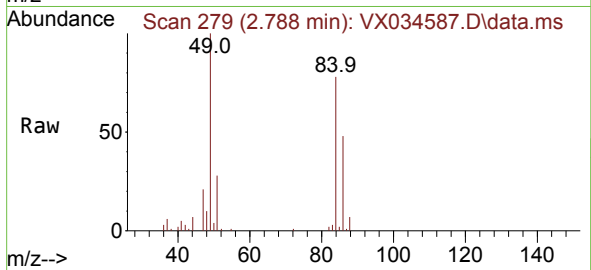
Tgt Ion: 43 Resp: 4851
Ion Ratio Lower Upper
43 100
74 20.3 18.3 27.5



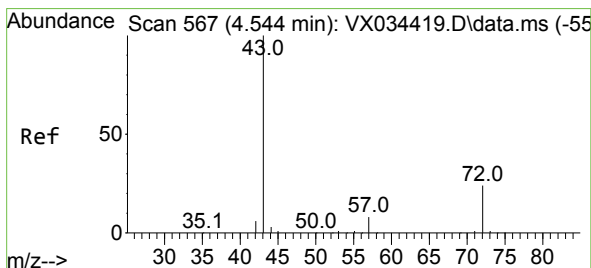
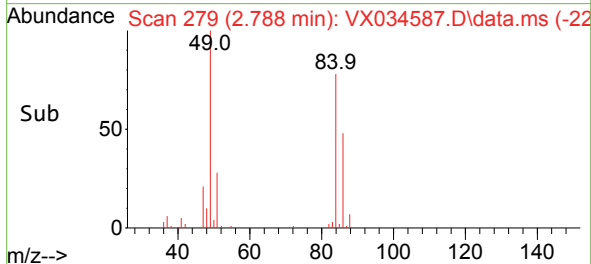
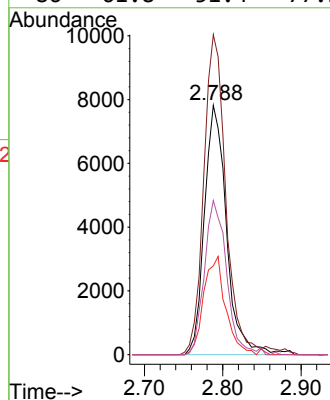


#20
Methylene Chloride
Concen: 4.929 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

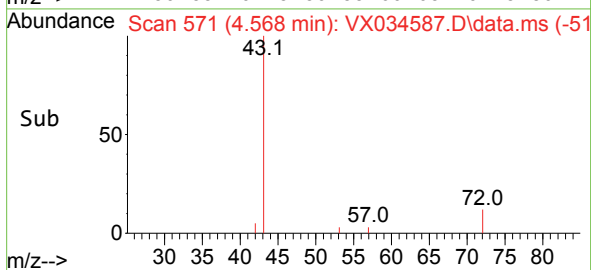
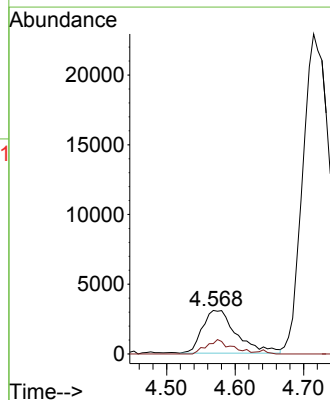
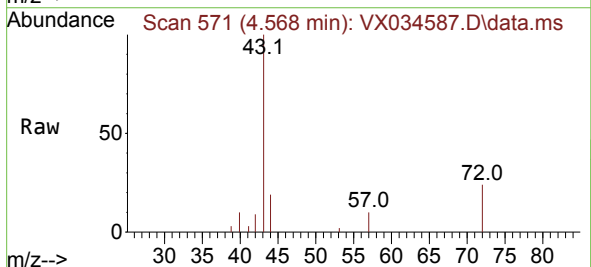


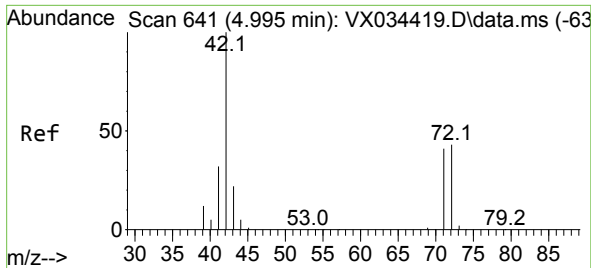
Tgt Ion:	84	Resp:	15317
Ion	Ratio	Lower	Upper
84	100		
49	128.3	103.8	155.8
51	35.6	31.8	47.8
86	61.8	51.4	77.2



#25
2-Butanone
Concen: 4.680 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion:	43	Resp:	10723
Ion	Ratio	Lower	Upper
43	100		
72	24.5	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.718 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX034587.D

Acq: 17 Mar 2023 16:20

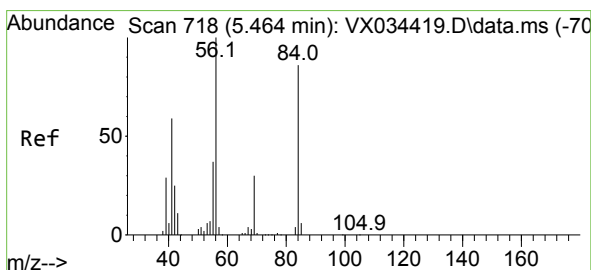
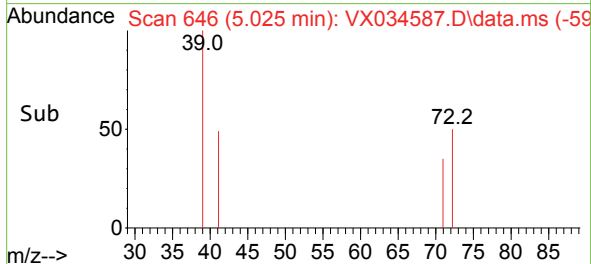
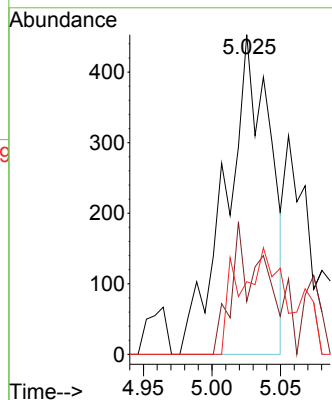
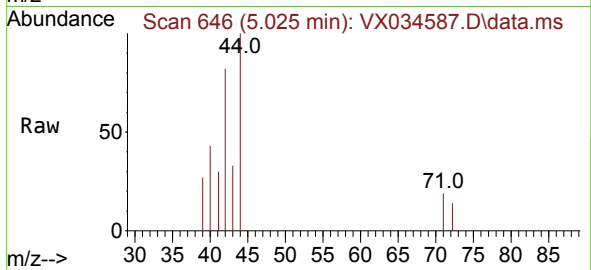
Instrument :

MSVOA_X

ClientSampleId :

PB151466ZHE#08

Tgt Ion:	42	Resp:	1015
Ion	Ratio	Lower	Upper
42	100		
72	14.0	34.5	51.7#
71	33.2	32.1	48.1



#31

Cyclohexane

Concen: 1.188 ug/l

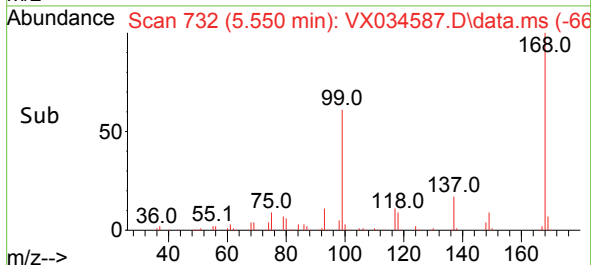
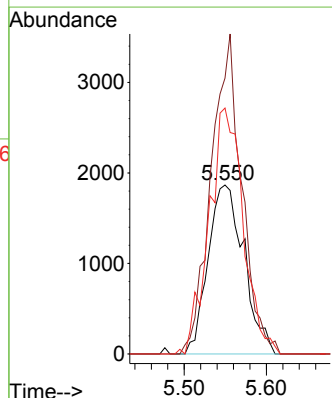
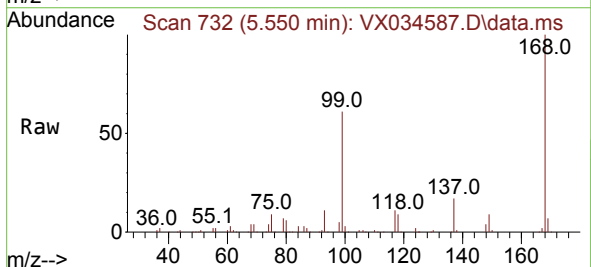
RT: 5.550 min Scan# 732

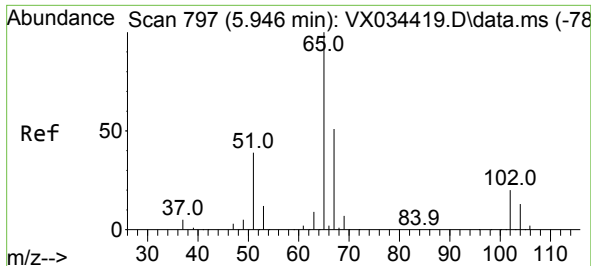
Delta R.T. 0.085 min

Lab File: VX034587.D

Acq: 17 Mar 2023 16:20

Tgt Ion:	56	Resp:	5663
Ion	Ratio	Lower	Upper
56	100		
69	163.3	23.7	35.5#
84	145.5	68.5	102.7#

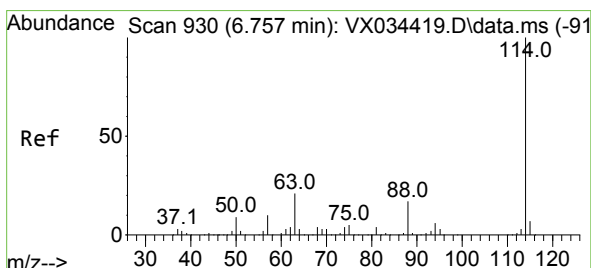
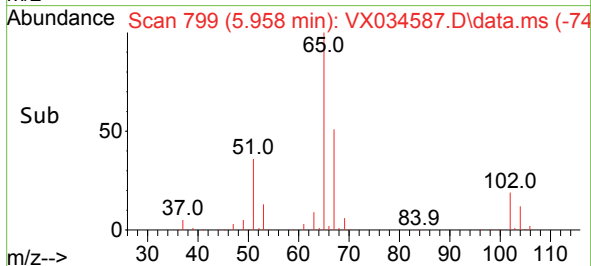
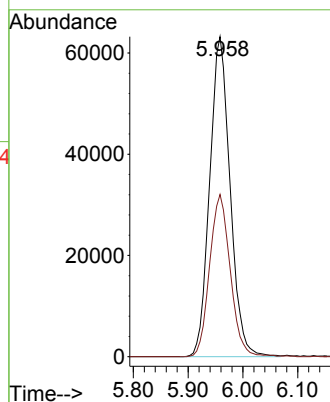
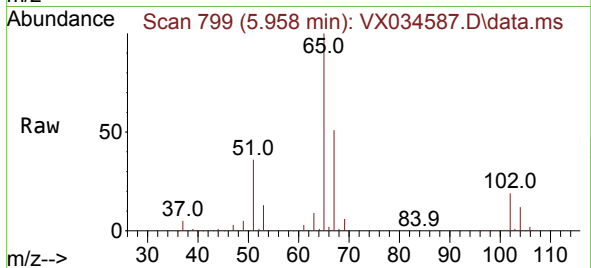




#33
 1,2-Dichloroethane-d4
 Concen: 48.070 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.012 min
 Lab File: VX034587.D
 Acq: 17 Mar 2023 16:20

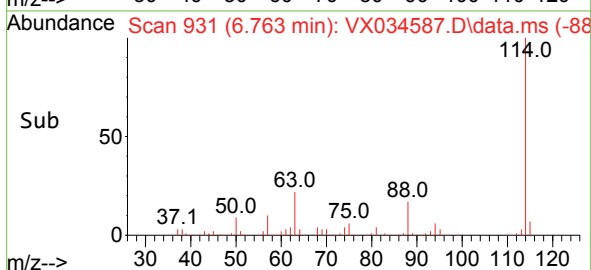
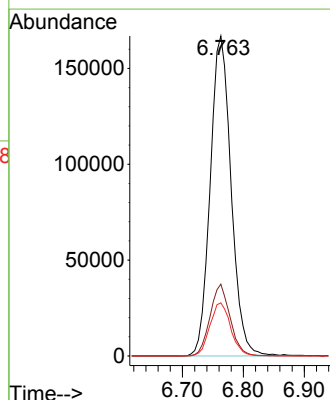
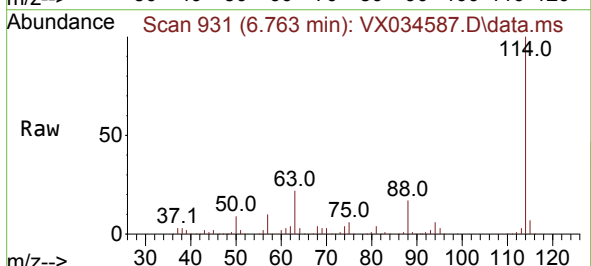
Instrument :
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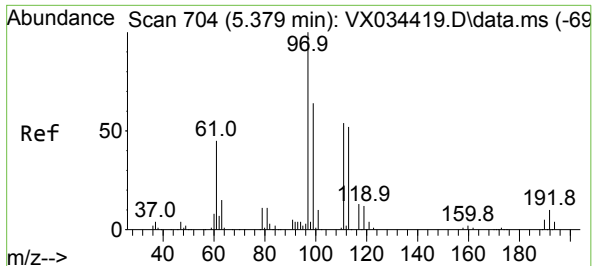
Tgt Ion: 65 Resp: 163400
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034587.D
 Acq: 17 Mar 2023 16:20

Tgt Ion: 114 Resp: 397660
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.2
 88 16.6 0.0 33.2

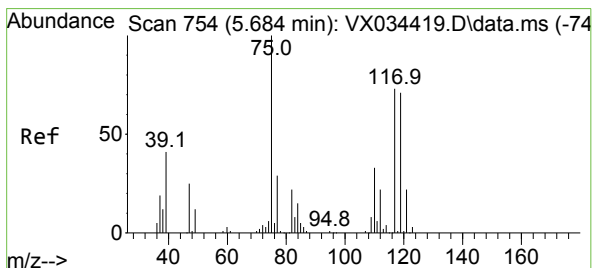
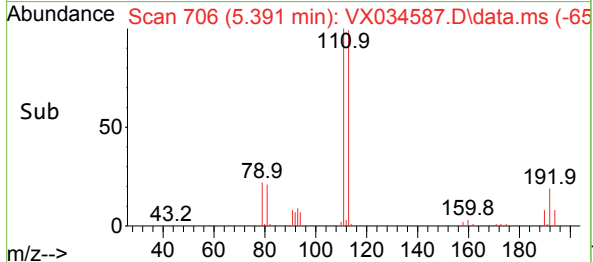
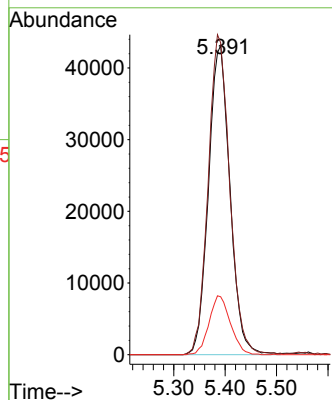
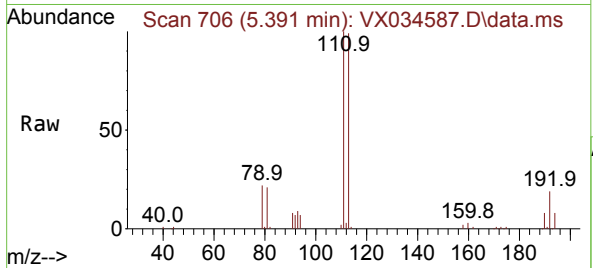




#35
Dibromofluoromethane
Concen: 47.569 ug/l
RT: 5.391 min Scan# 704
Delta R.T. 0.012 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

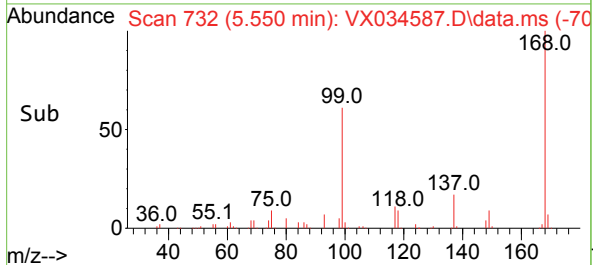
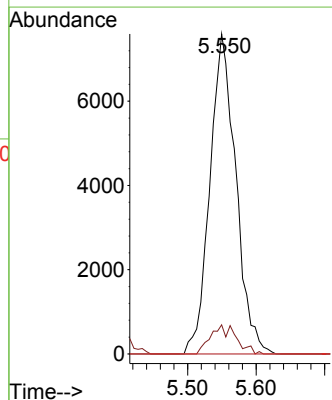
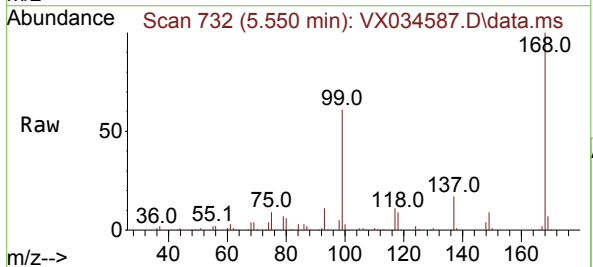
Instrument :
MSVOA_X
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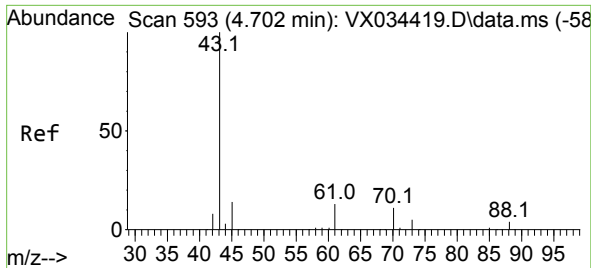
Tgt Ion:113 Resp: 124895
Ion Ratio Lower Upper
113 100
111 104.0 83.7 125.5
192 18.9 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.950 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 75 Resp: 19962
Ion Ratio Lower Upper
75 100
110 9.0 17.5 52.5#
77 0.0 24.3 36.5#

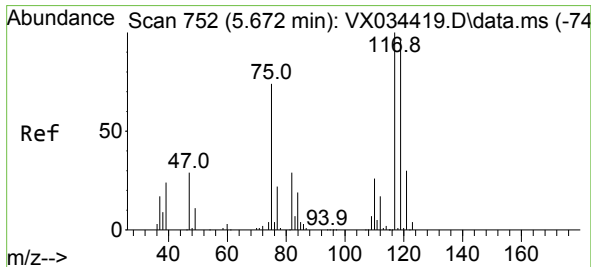
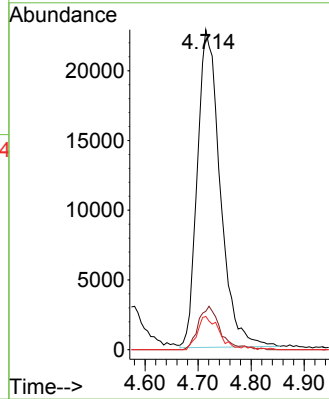
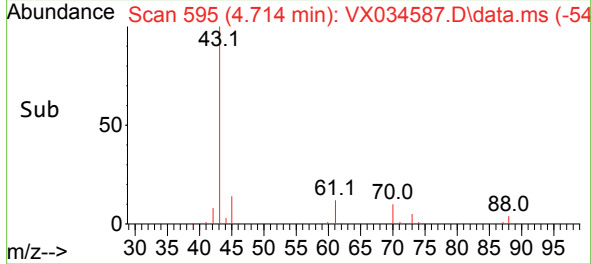
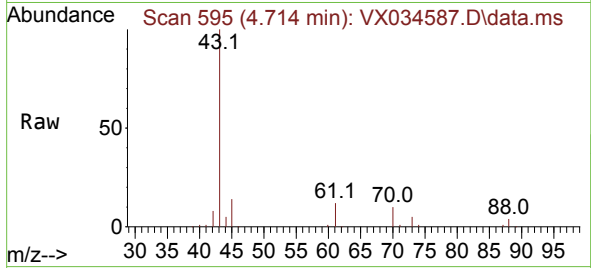




#37
Ethyl Acetate
Concen: 15.471 ug/l
RT: 4.714 min Scan# 593
Delta R.T. 0.012 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

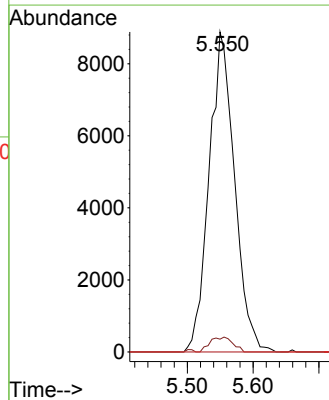
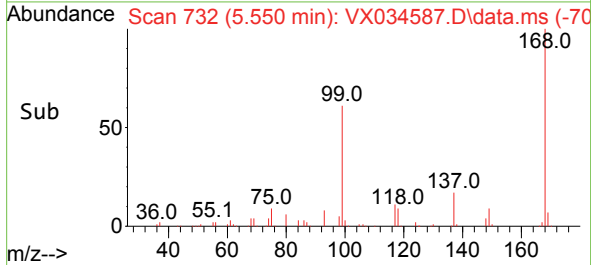
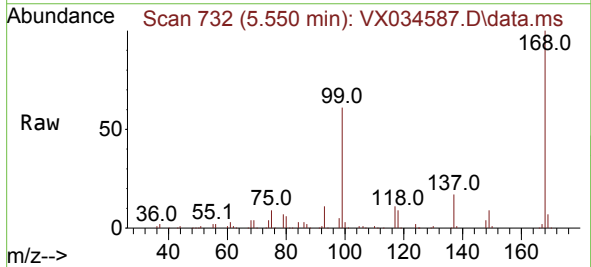
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

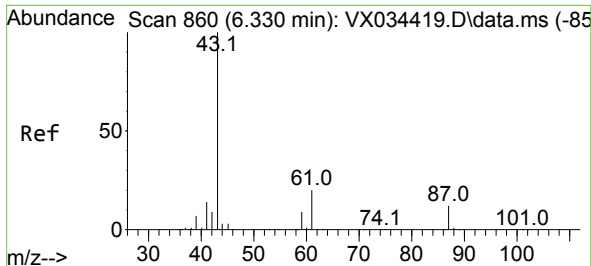
Tgt Ion:	43	Resp:	68160
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.2	15.4
70	9.8	8.2	12.4



#38
Carbon Tetrachloride
Concen: 5.967 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion:	117	Resp:	23938
Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.6	114.8#
121	0.0	23.8	35.6#

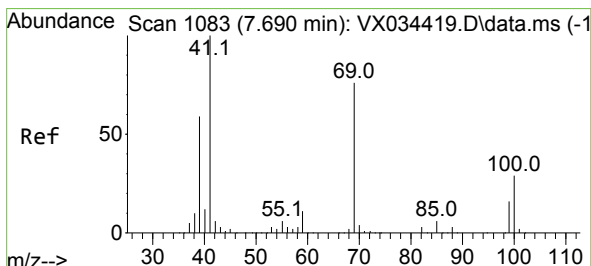
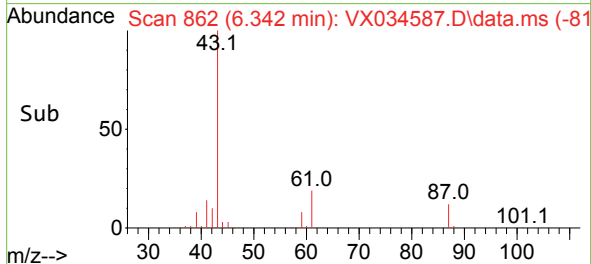
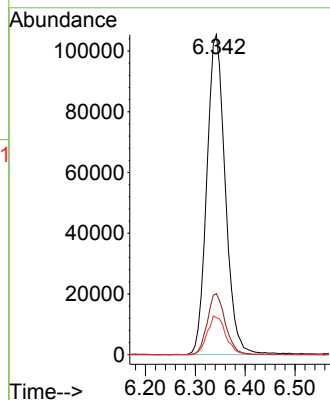
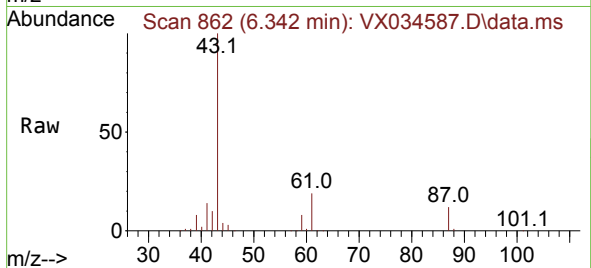




#43
Isopropyl Acetate
Concen: 36.212 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

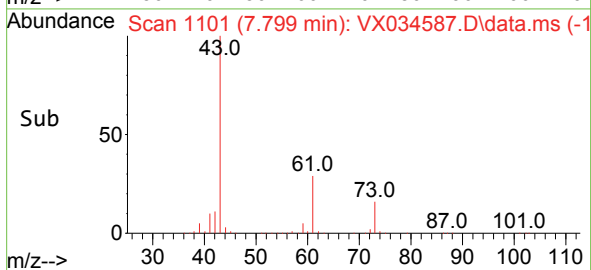
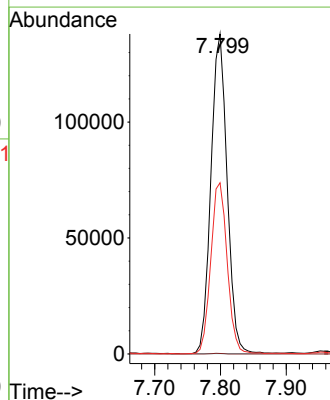
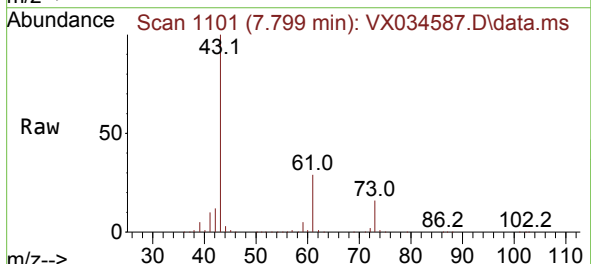
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

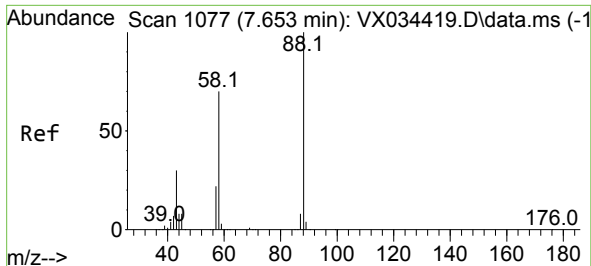
Tgt Ion: 43 Resp: 270259
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.2 9.8 14.8



#48
Methyl methacrylate
Concen: 65.836 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 41 Resp: 236317
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 54.1 47.7 71.5





#49

1,4-Dioxane

Concen: 1.817 ug/l

RT: 7.635 min Scan# 1

Delta R.T. -0.018 min

Lab File: VX034587.D

Acq: 17 Mar 2023 16:20

Instrument :

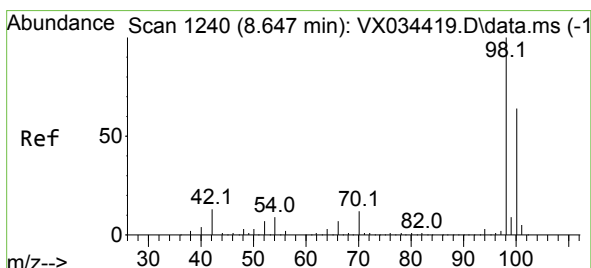
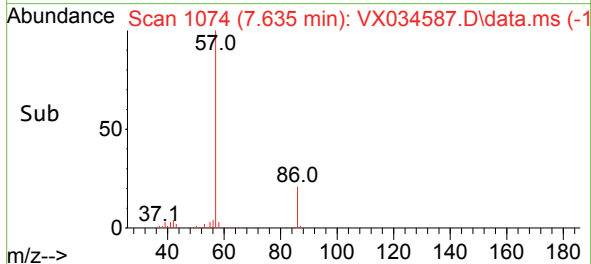
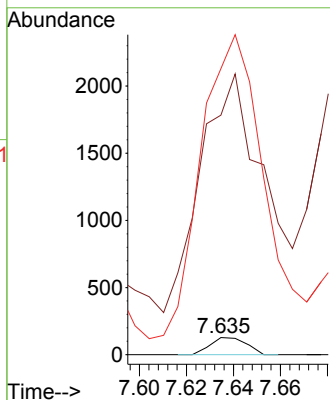
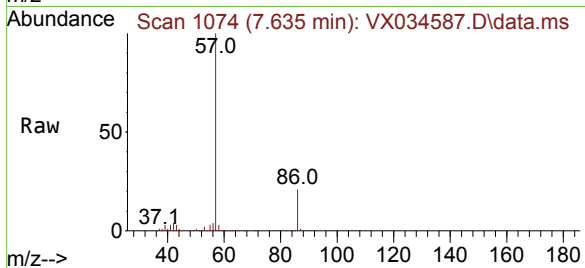
MSVOA_X

ClientSampleId :

PB151466ZHE#08

Tgt Ion: 88 Resp: 137

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.7	41.5#
58	3423.4	56.8	85.2#



#50

Toluene-d8

Concen: 49.435 ug/l

RT: 8.647 min Scan# 1240

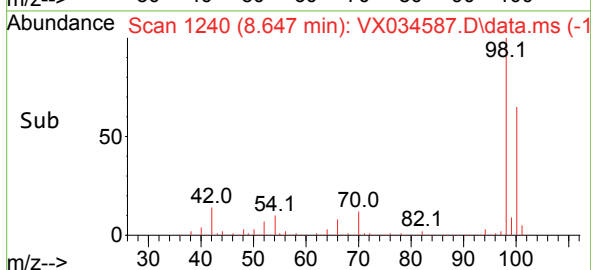
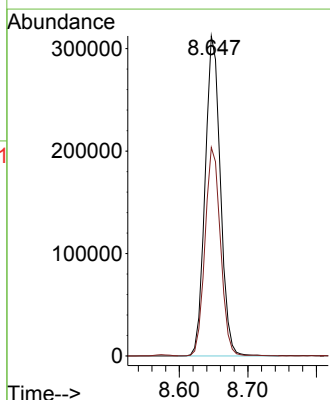
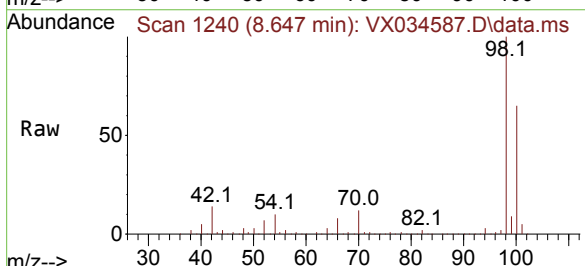
Delta R.T. -0.000 min

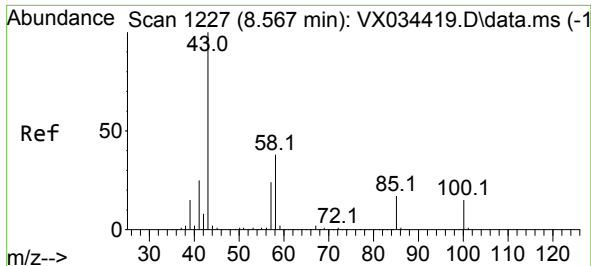
Lab File: VX034587.D

Acq: 17 Mar 2023 16:20

Tgt Ion: 98 Resp: 484532

Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7

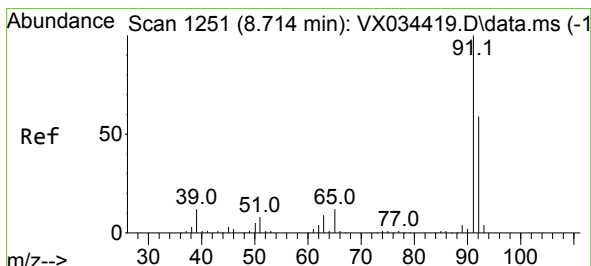
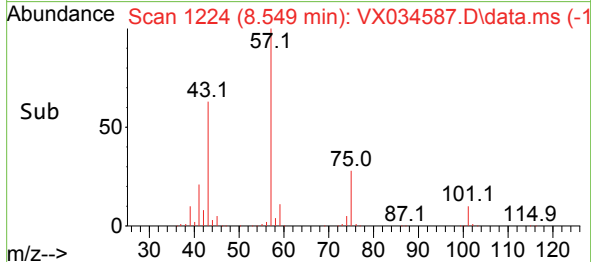
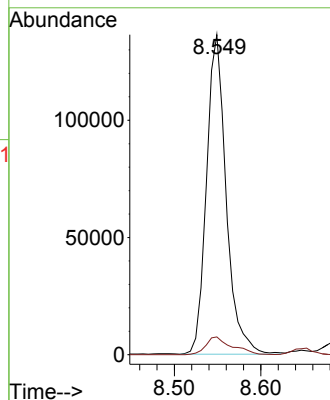
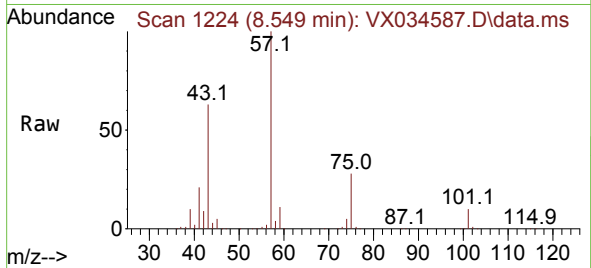




#51
4-Methyl-2-Pentanone
Concen: 49.709 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

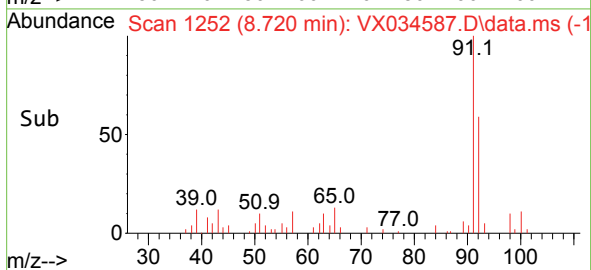
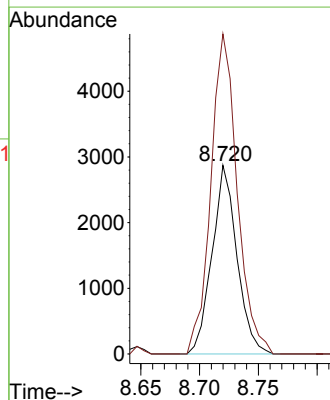
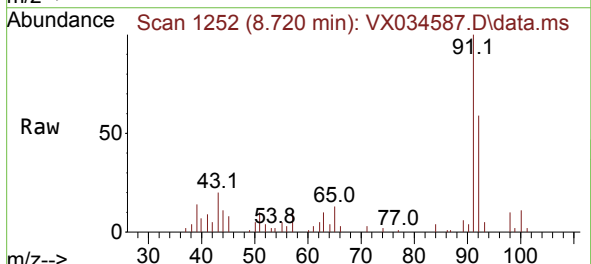
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

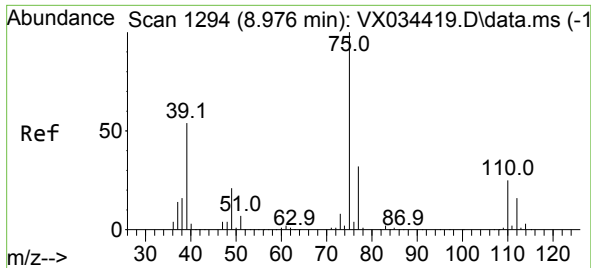
Tgt Ion: 43 Resp: 215219
Ion Ratio Lower Upper
43 100
58 7.4 30.6 46.0#



#52
Toluene
Concen: 0.579 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 92 Resp: 4228
Ion Ratio Lower Upper
92 100
91 179.8 136.8 205.2

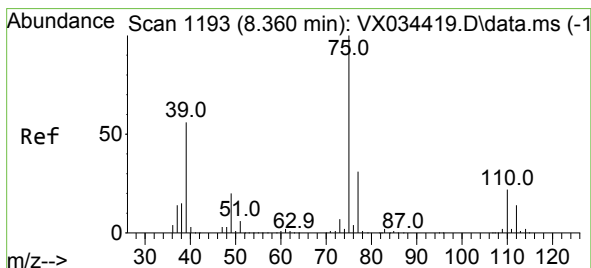
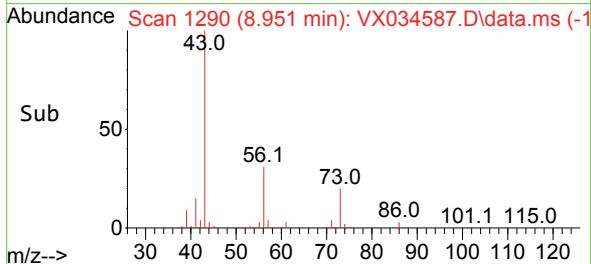
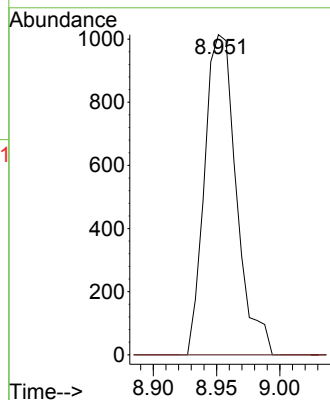
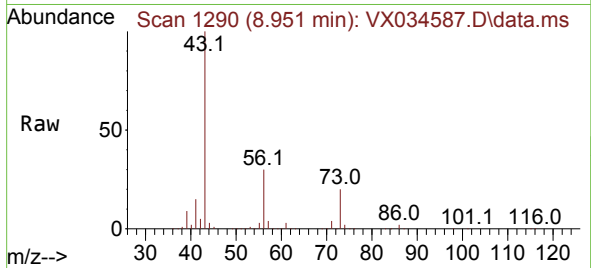




#53
 t-1,3-Dichloropropene
 Concen: 0.389 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX034587.D
 Acq: 17 Mar 2023 16:20

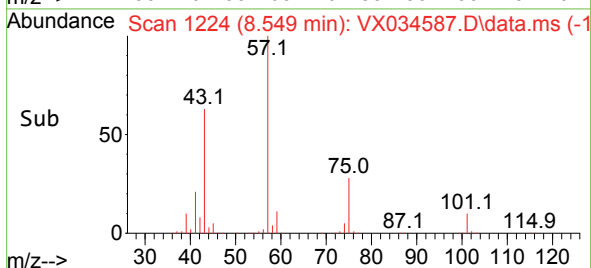
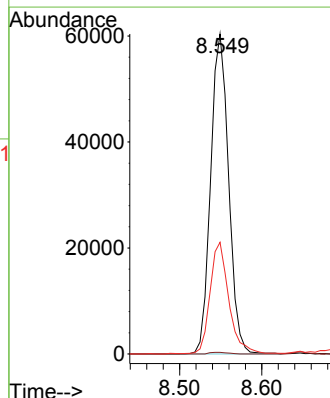
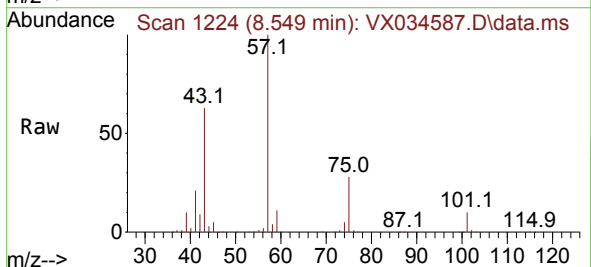
Instrument :
 MSVOA_X
 ClientSampleId :
 PB151466ZHE#08

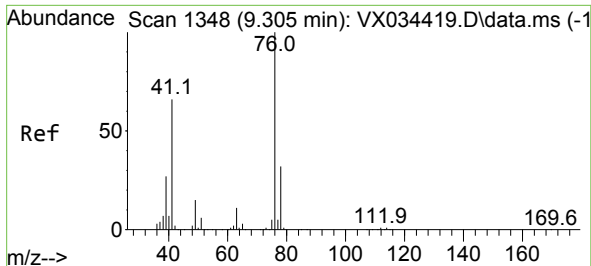
Tgt Ion: 75 Resp: 1774
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 18.527 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.189 min
 Lab File: VX034587.D
 Acq: 17 Mar 2023 16:20

Tgt Ion: 75 Resp: 91525
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 34.8 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 2.253 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034587.D

Acq: 17 Mar 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :

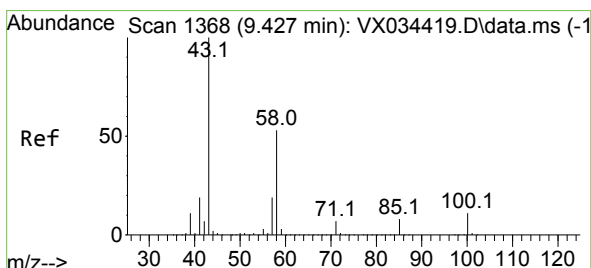
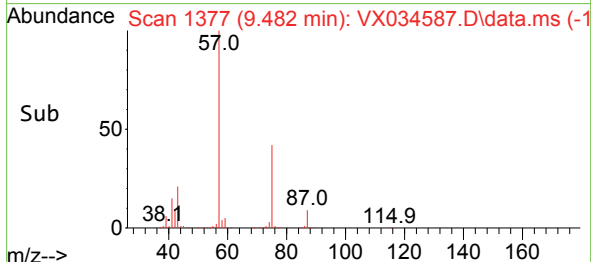
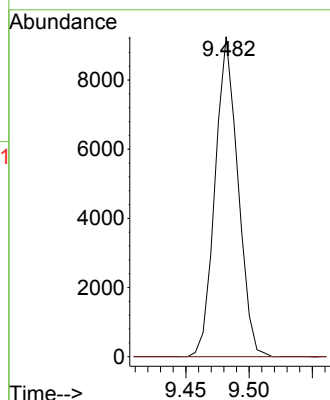
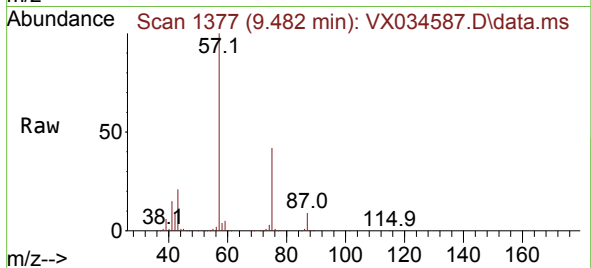
PB151466ZHE#08

Tgt Ion: 76 Resp: 11604

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 51.268 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034587.D

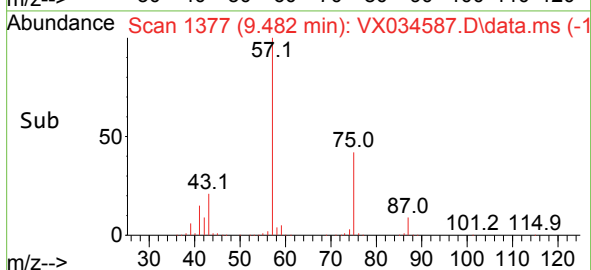
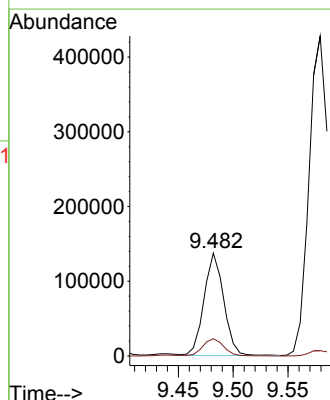
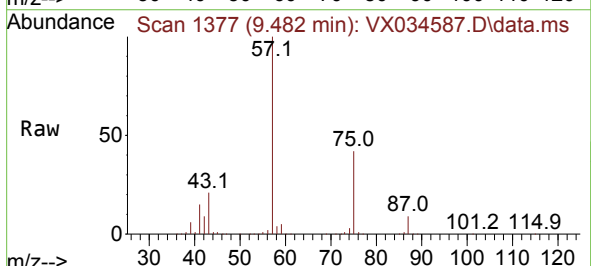
Acq: 17 Mar 2023 16:20

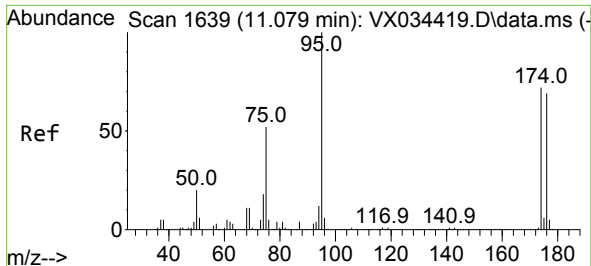
Tgt Ion: 43 Resp: 171583

Ion Ratio Lower Upper

43 100

58 18.2 26.3 78.9#

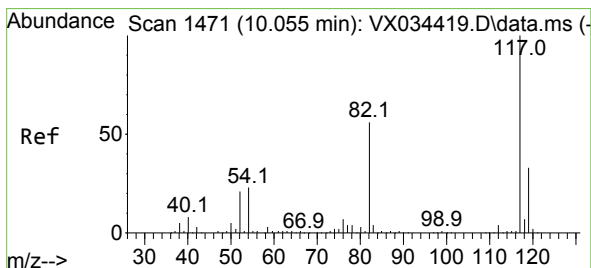
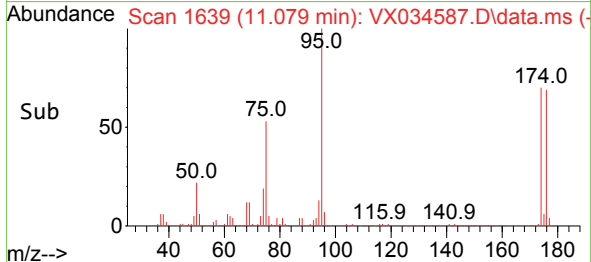
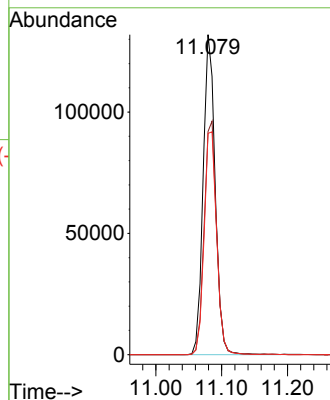
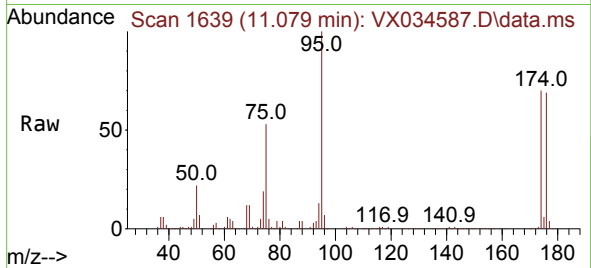




#62
4-Bromofluorobenzene
Concen: 42.352 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

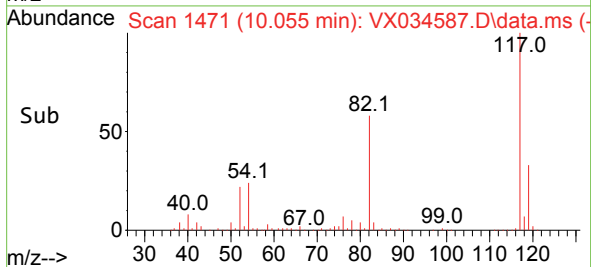
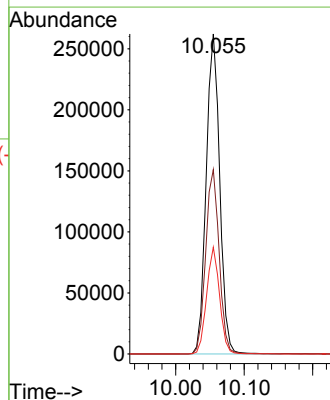
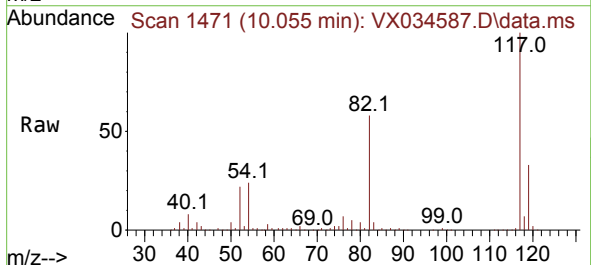
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

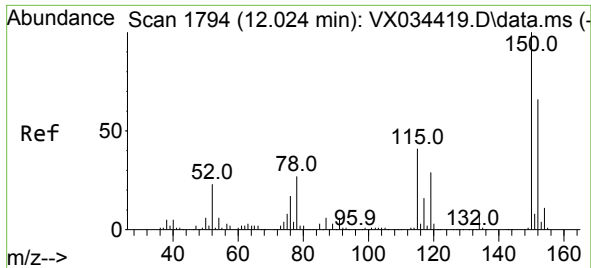
Tgt Ion: 95 Resp: 167669
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.4
176 72.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 117 Resp: 359373
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 33.4 26.0 39.0

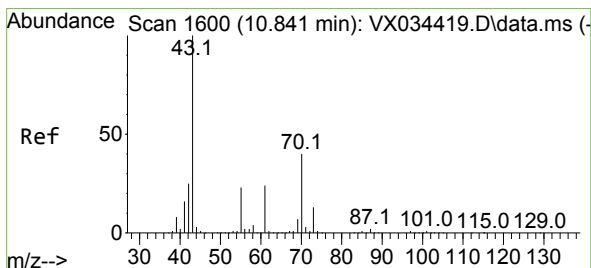
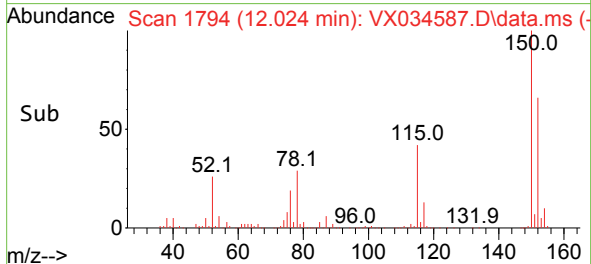
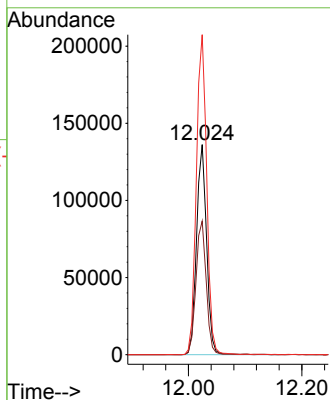
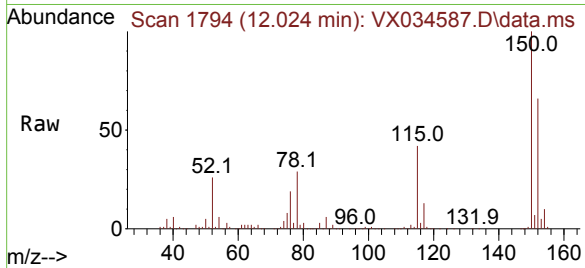




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

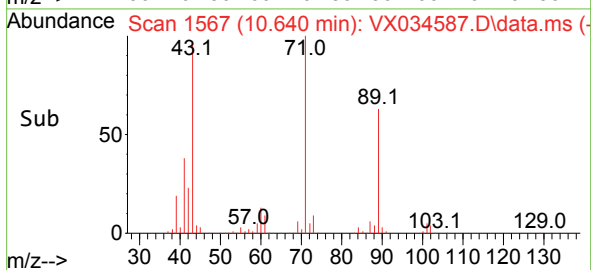
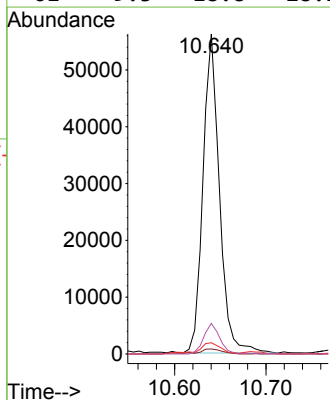
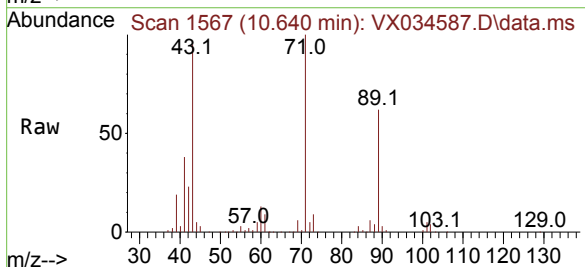
Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

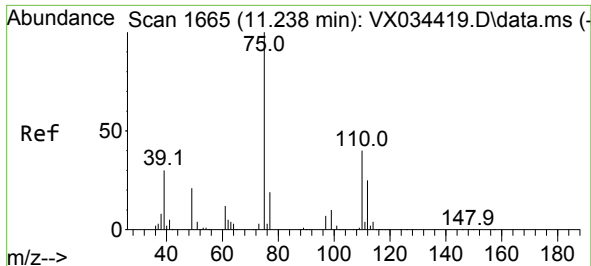
Tgt Ion:152 Resp: 167725
Ion Ratio Lower Upper
152 100
115 65.0 45.0 135.0
150 156.3 0.0 352.4



#74
N-ethyl acetate
Concen: 11.287 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 43 Resp: 70082
Ion Ratio Lower Upper
43 100
70 2.4 32.1 48.1#
55 4.8 18.3 27.5#
61 9.3 18.8 28.2#

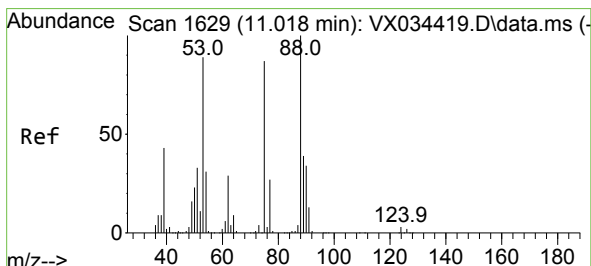
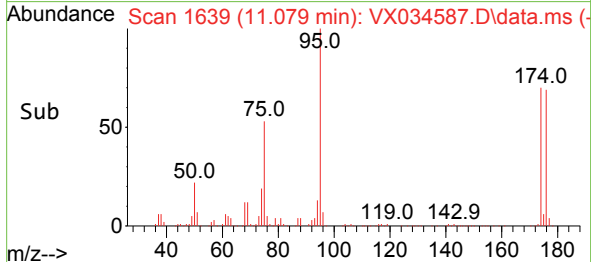
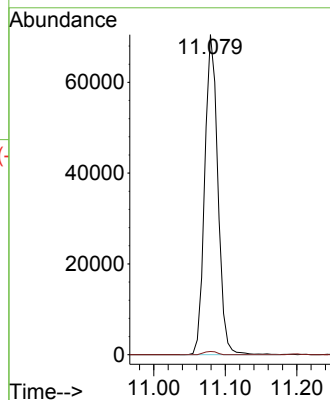
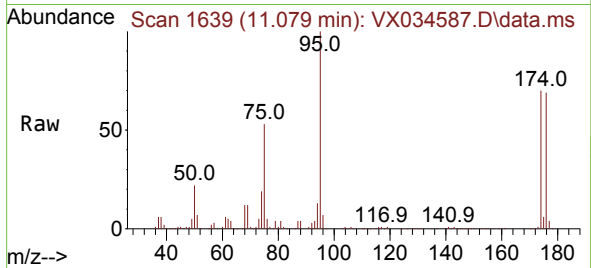




#76
1,2,3-Trichloropropane
Concen: 23.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Instrument :
MSVOA_X
ClientSampleId :
PB151466ZHE#08

Tgt Ion: 75 Resp: 90075
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.274 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034587.D
Acq: 17 Mar 2023 16:20

Tgt Ion: 75 Resp: 90075
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

