

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039865.D
 Acq On : 20 Jan 2024 01:48
 Operator : JC/MD
 Sample : PB158526ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#08

Quant Time: Jan 20 03:57:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

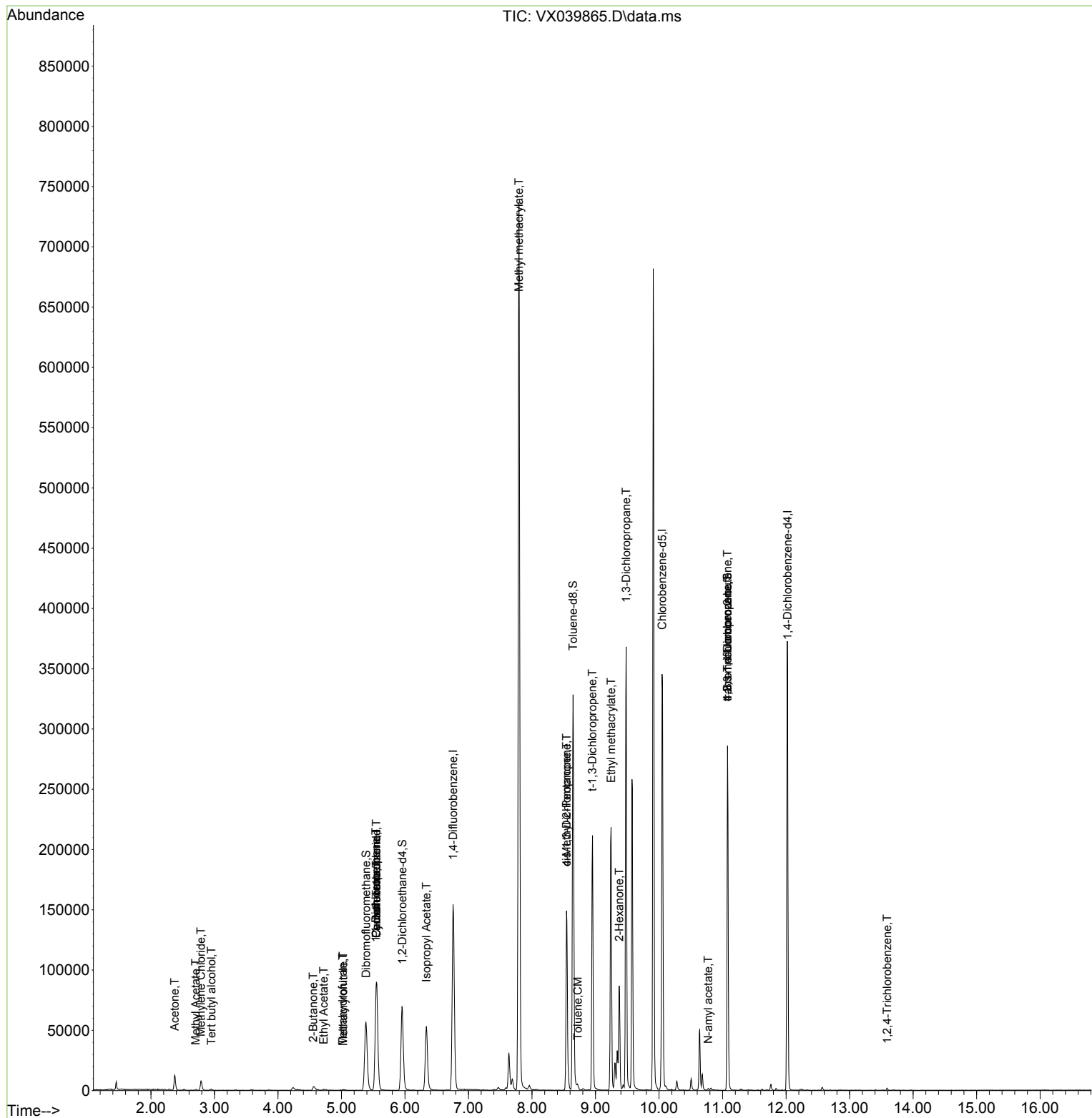
Internal Standards						
1) Pentafluorobenzene	5.550	168	81053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151154	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63610	46.849	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.700%
35) Dibromofluoromethane	5.385	113	48906	48.037	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	8.647	98	190128	49.515	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.040%
62) 4-Bromofluorobenzene	11.079	95	73461	48.924	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.840%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1158	3.276	ug/l #	78
16) Acetone	2.373	43	13209	17.298	ug/l	96
18) Methyl Acetate	2.703	43	894	0.560	ug/l #	85
20) Methylene Chloride	2.788	84	3619	3.133	ug/l	94
25) 2-Butanone	4.556	43	6048	5.512	ug/l	91
29) Tetrahydrofuran	5.019	42	598	0.847	ug/l #	47
31) Cyclohexane	5.550	56	2142	1.195	ug/l #	15
36) 1,1-Dichloropropene	5.544	75	7490	4.726	ug/l #	50
37) Ethyl Acetate	4.721	43	725	0.343	ug/l #	96
38) Carbon Tetrachloride	5.550	117	9096	6.267	ug/l #	16
41) Methacrylonitrile	5.025	41	322	0.311	ug/l #	43
43) Isopropyl Acetate	6.336	43	72748	23.457	ug/l	98
48) Methyl methacrylate	7.793	41	64496	42.309	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	54722	25.620	ug/l #	51
52) Toluene	8.720	92	1209	0.451	ug/l	93
53) t-1,3-Dichloropropene	8.952	75	383	0.234	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	22158	12.333	ug/l #	61
56) Ethyl methacrylate	9.244	69	595	0.322	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2786	1.441	ug/l #	42
59) 2-Hexanone	9.372	43	65195	38.567	ug/l #	26
74) N-amyl acetate	10.774	43	1035	0.351	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	40585	22.032	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	40585	63.928	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	428	0.293	ug/l	90

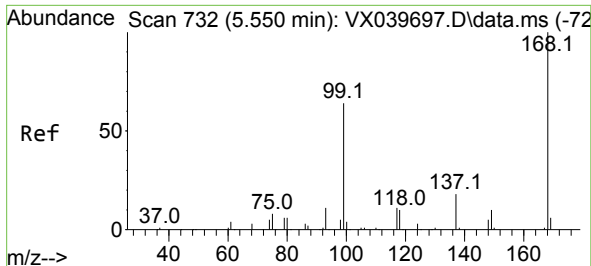
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Jan 20 03:57:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

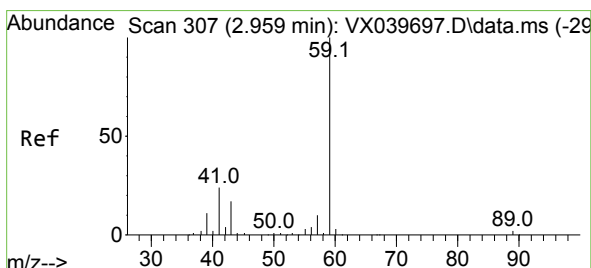
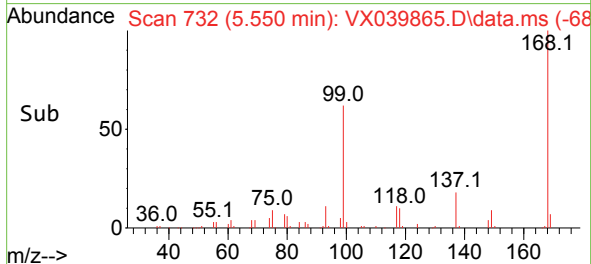
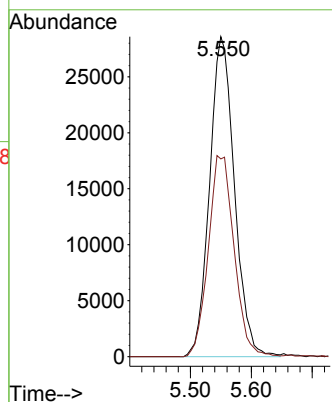
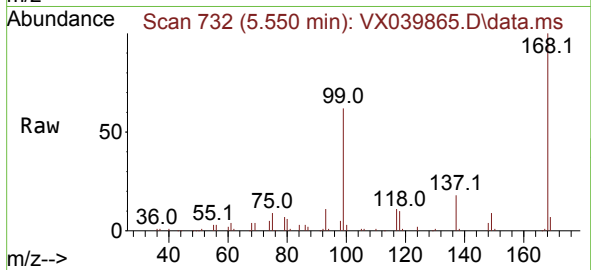




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

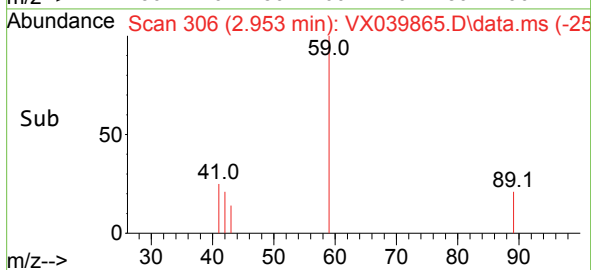
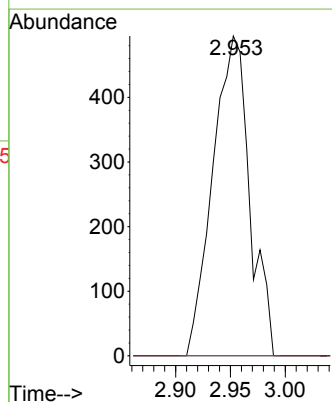
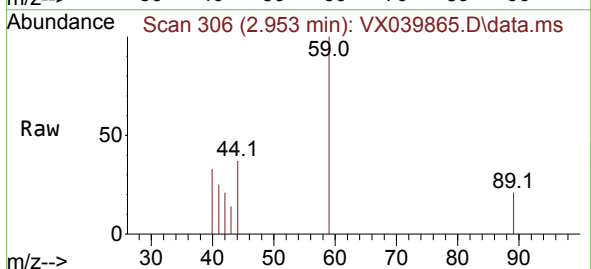
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

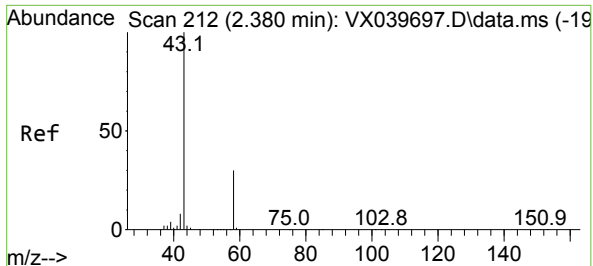
Tgt Ion:168 Resp: 81053
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.276 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 59 Resp: 1158
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

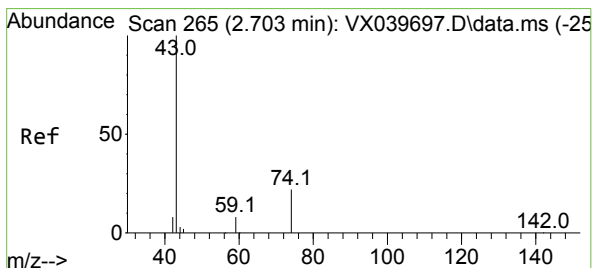
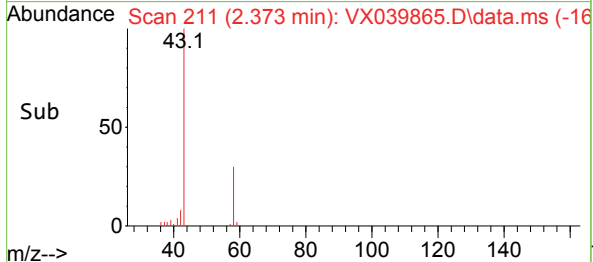
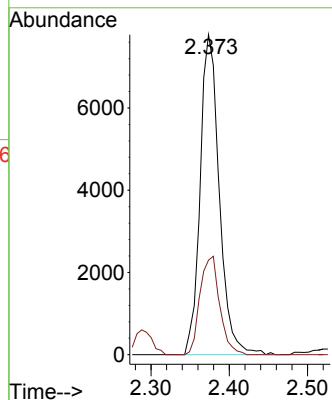
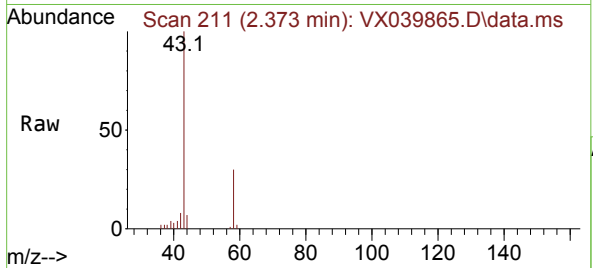




#16
Acetone
Concen: 17.298 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

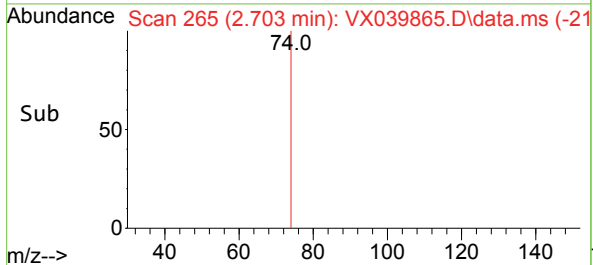
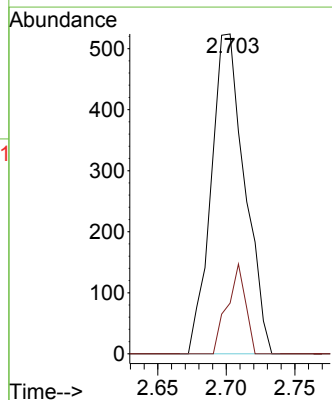
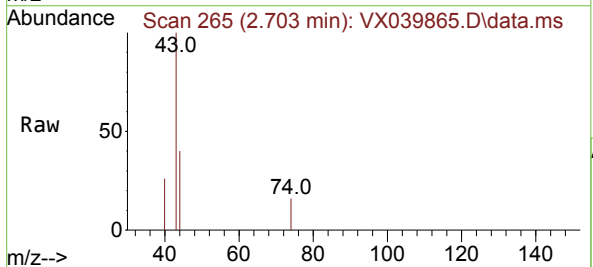
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

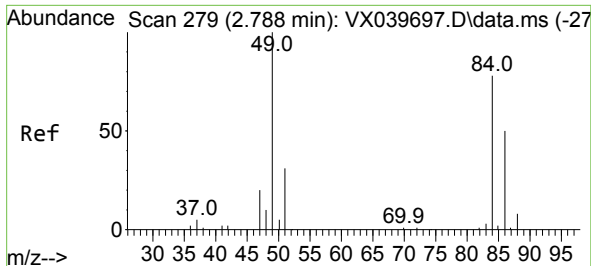
Tgt Ion: 43 Resp: 13209
Ion Ratio Lower Upper
43 100
58 29.5 21.9 32.9



#18
Methyl Acetate
Concen: 0.560 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
74 15.1 17.8 26.8#

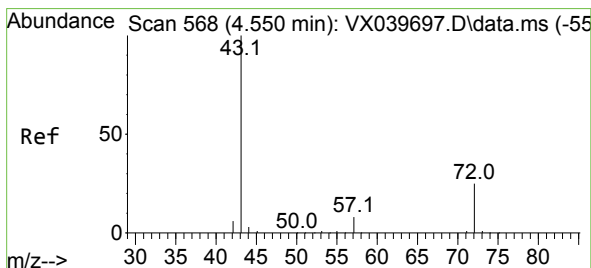
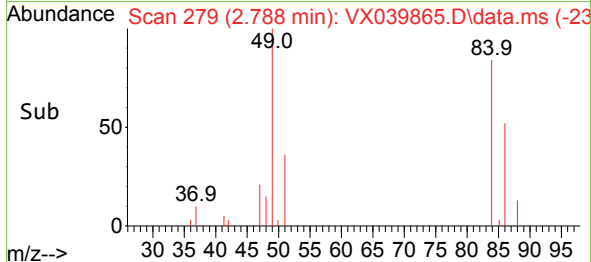
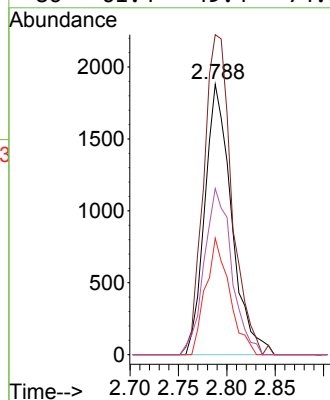
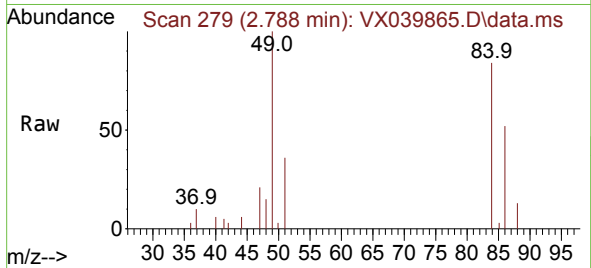




#20
Methylene Chloride
Concen: 3.133 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

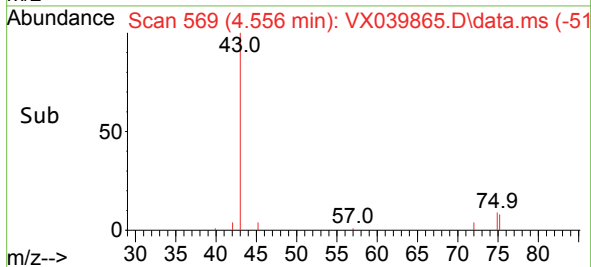
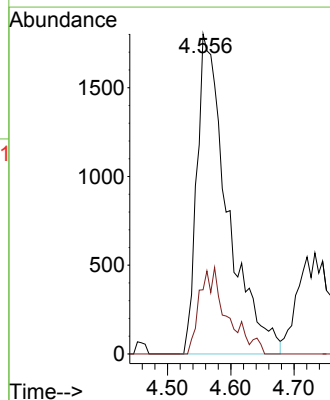
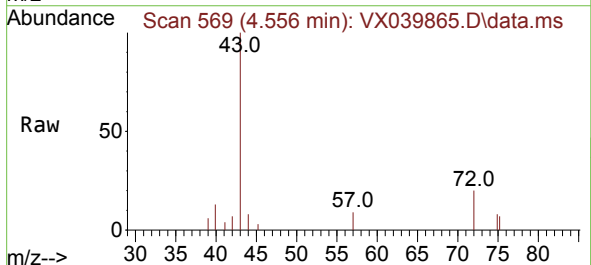
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

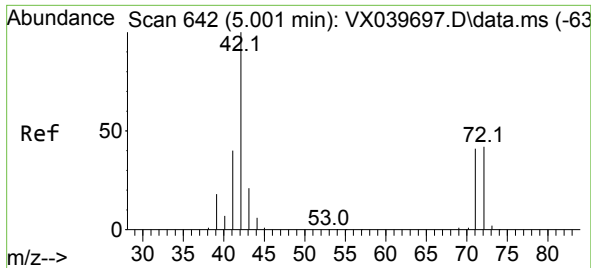
Tgt Ion: 84	Resp: 3619
Ion Ratio	Lower Upper
84 100	
49 118.4	103.6 155.4
51 43.1	33.8 50.6
86 61.4	49.4 74.0



#25
2-Butanone
Concen: 5.512 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 43	Resp: 6048		
Ion Ratio	Lower	Upper	
43 100			
72 20.1	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.847 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX039865.D

Acq: 20 Jan 2024 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#08

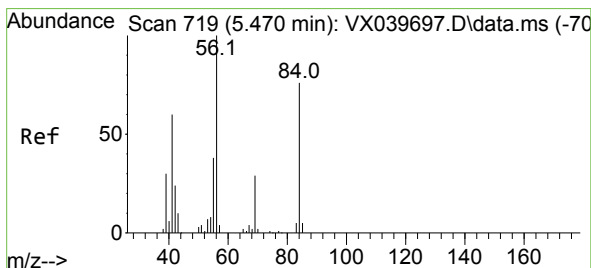
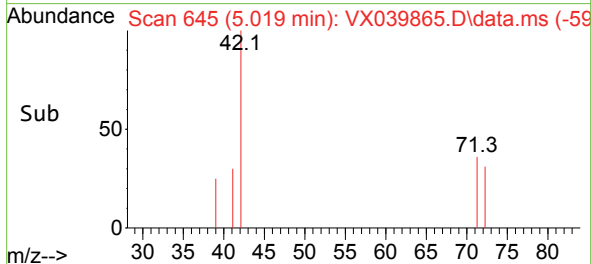
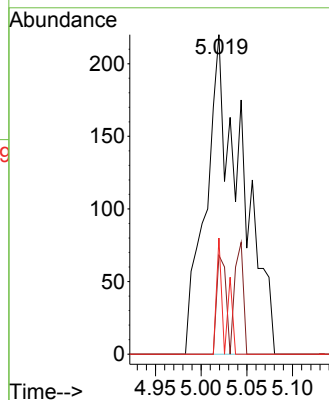
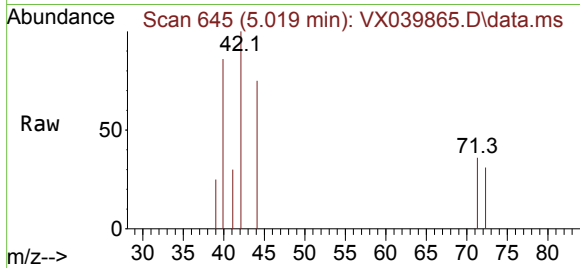
Tgt Ion: 42 Resp: 598

Ion Ratio Lower Upper

42 100

72 7.9 34.2 51.4#

71 8.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX039865.D

Acq: 20 Jan 2024 01:48

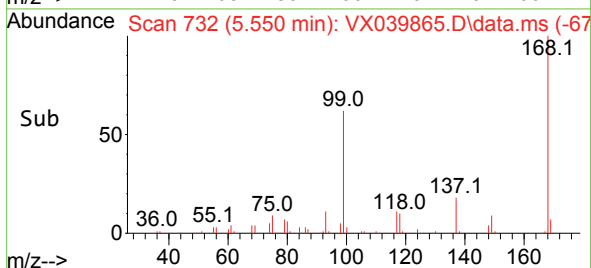
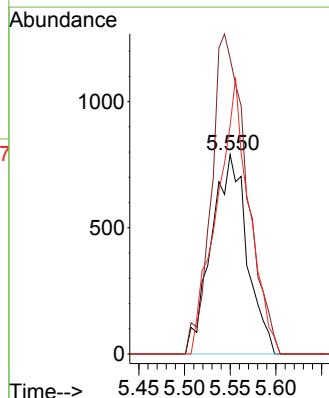
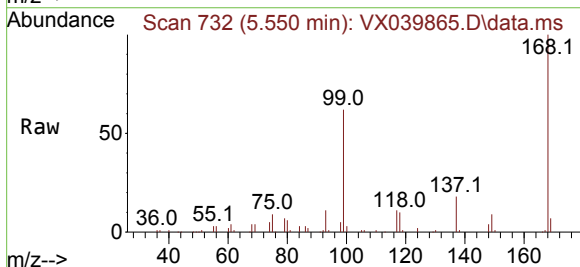
Tgt Ion: 56 Resp: 2142

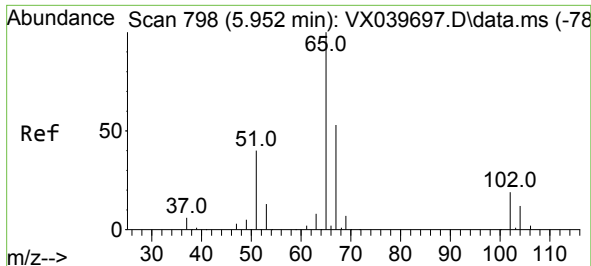
Ion Ratio Lower Upper

56 100

69 148.2 23.4 35.2#

84 114.6 65.9 98.9#

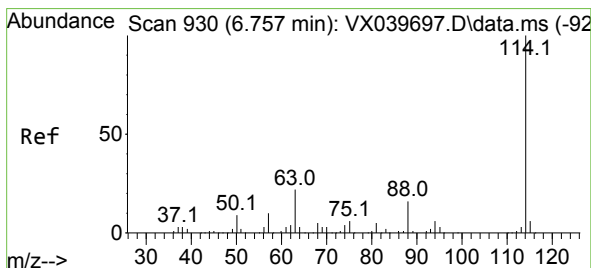
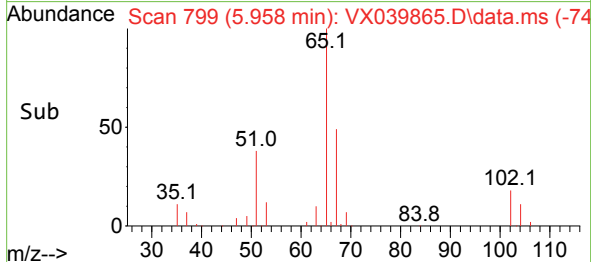
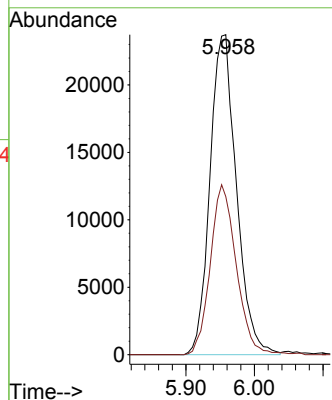
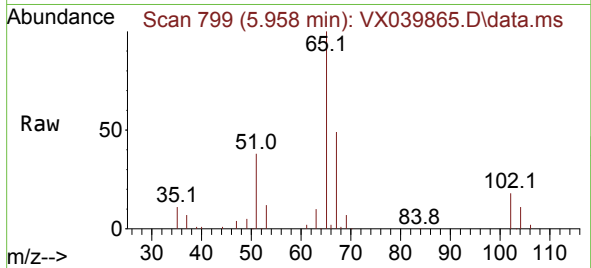




#33
1,2-Dichloroethane-d4
Concen: 46.849 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

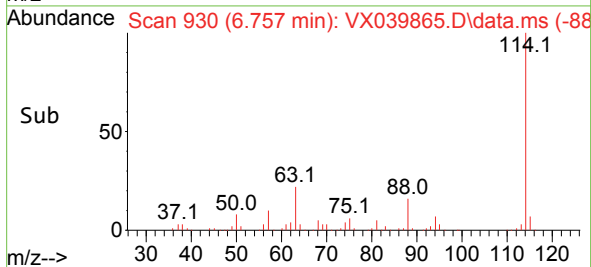
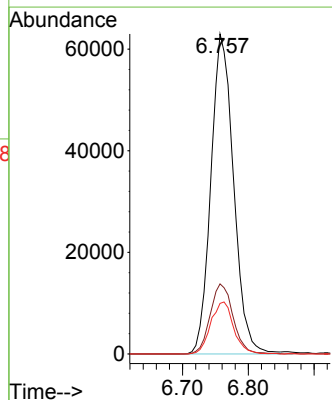
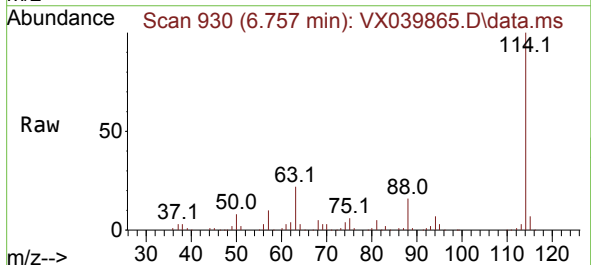
Instrument :
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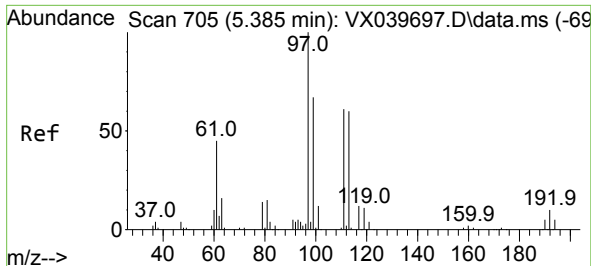
Tgt Ion: 65 Resp: 63610
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 114 Resp: 151154
Ion Ratio Lower Upper
114 100
63 21.9 0.0 45.0
88 15.8 0.0 36.6

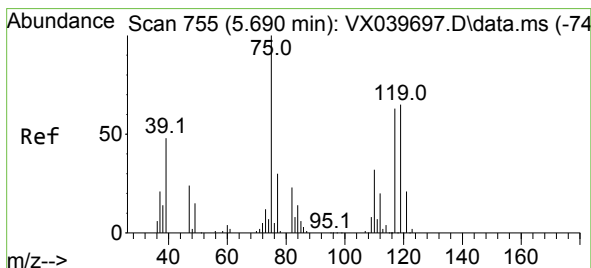
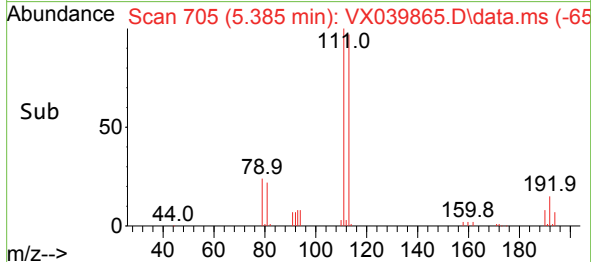
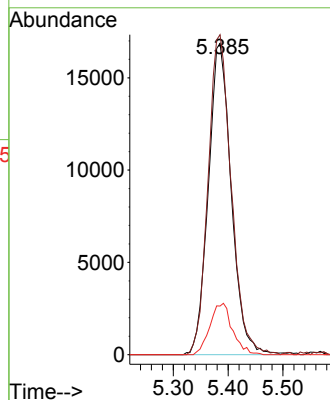
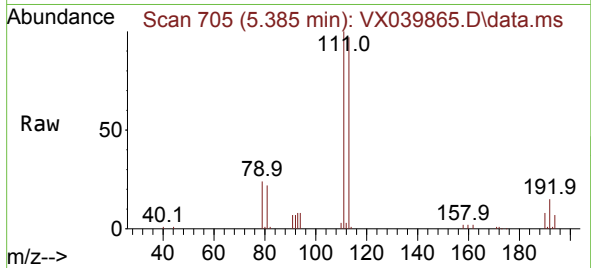




#35
Dibromofluoromethane
Concen: 48.037 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

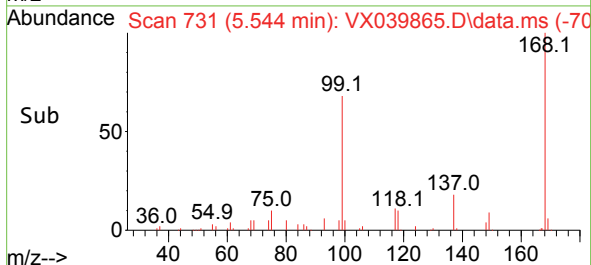
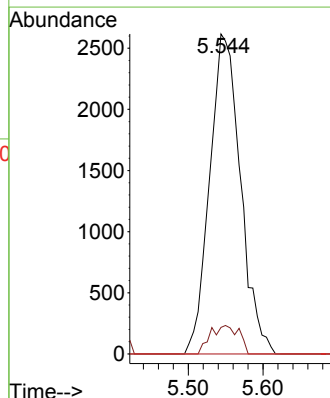
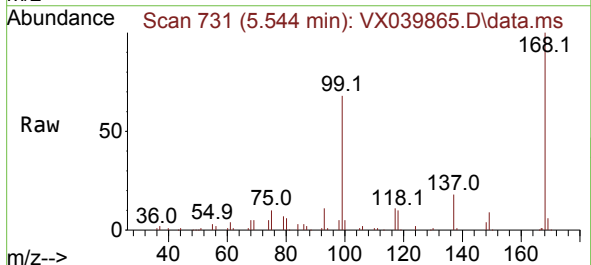
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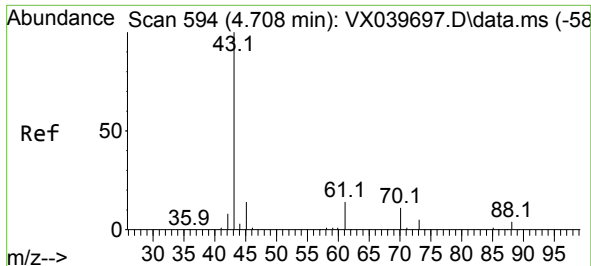
Tgt Ion:113 Resp: 48906
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.726 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 75 Resp: 7490
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.343 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX039865.D

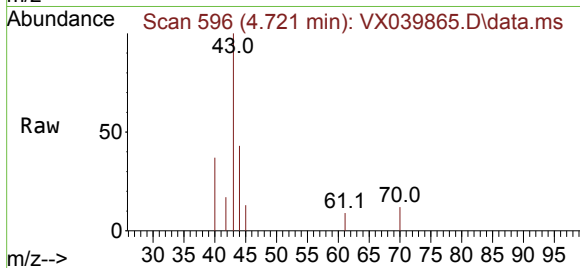
Acq: 20 Jan 2024 01:48

Instrument :

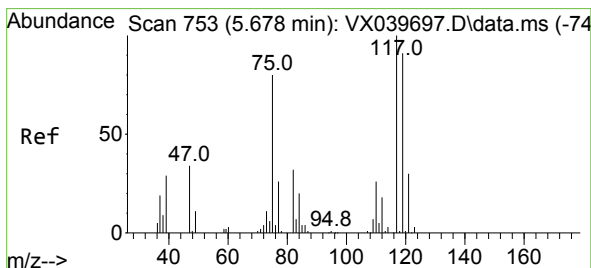
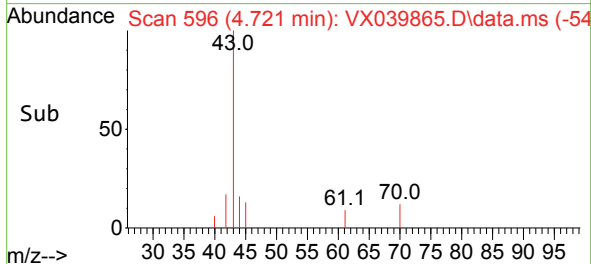
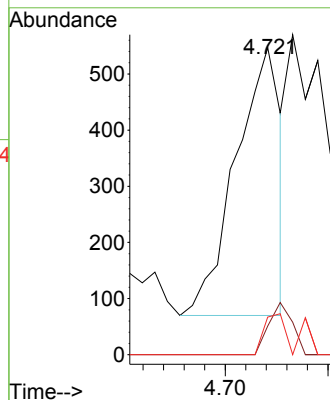
MSVOA_X

ClientSampleId :

PB158526ZHE#08



Tgt Ion: 43	Resp: 725
Ion Ratio	Lower Upper
43	100
61	10.2 10.6 16.0#
70	10.3 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.267 ug/l

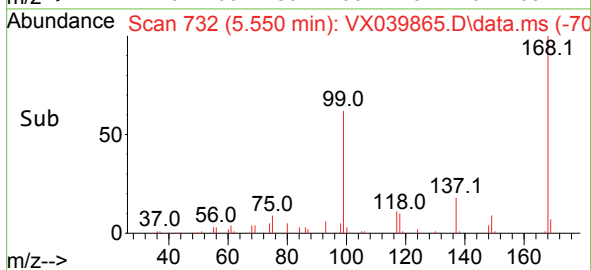
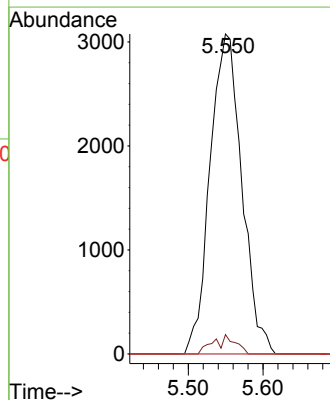
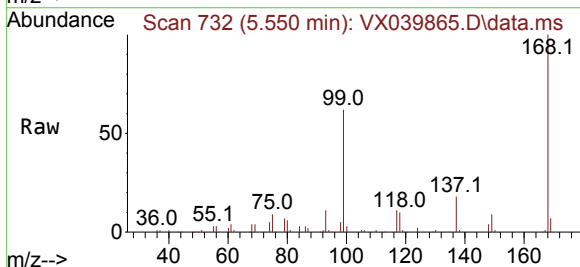
RT: 5.550 min Scan# 732

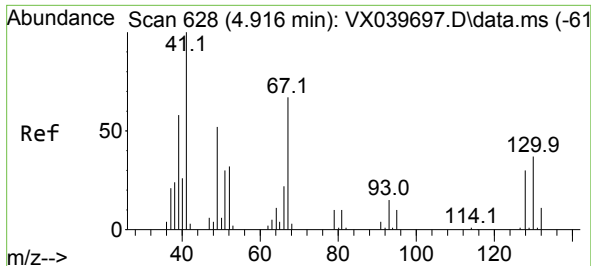
Delta R.T. -0.128 min

Lab File: VX039865.D

Acq: 20 Jan 2024 01:48

Tgt Ion: 117	Resp: 9096
Ion Ratio	Lower Upper
117	100
119	6.1 78.2 117.2#
121	0.0 24.4 36.6#

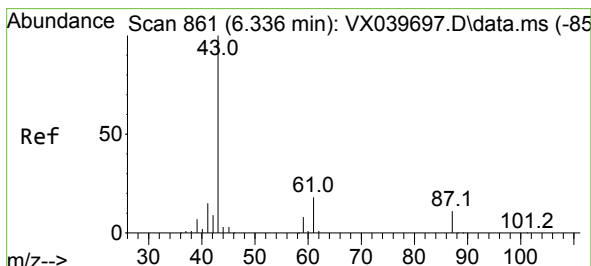
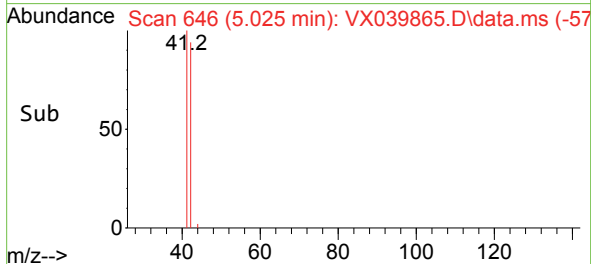
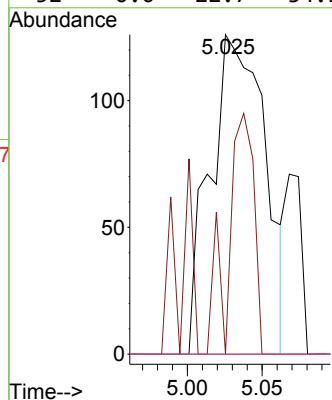
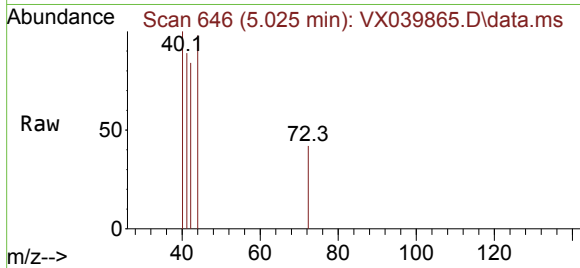




#41
Methacrylonitrile
Concen: 0.311 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

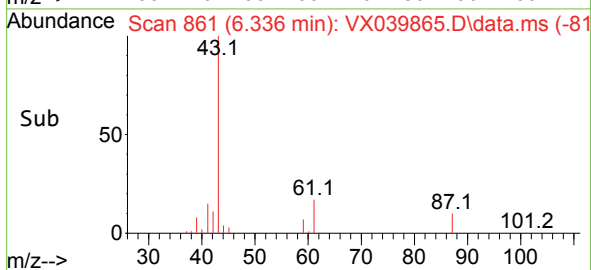
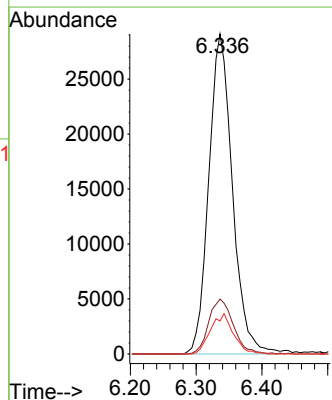
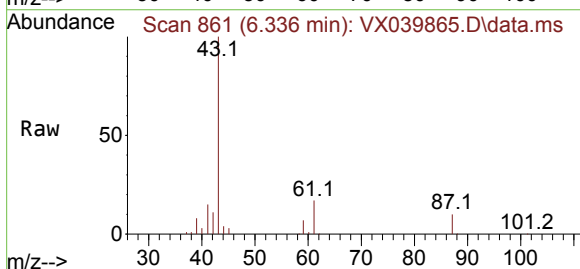
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

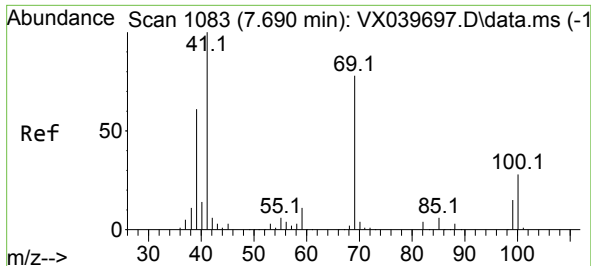
Tgt Ion: 41	Resp:	322
Ion	Ratio	Lower Upper
41	100	
39	35.4	45.2 67.8#
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#43
Isopropyl Acetate
Concen: 23.457 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 43	Resp:	72748
Ion	Ratio	Lower Upper
43	100	
61	17.8	15.2 22.8
87	12.2	9.8 14.6

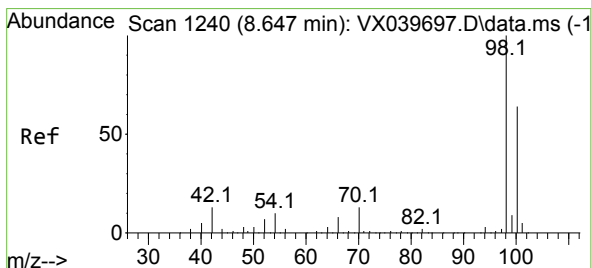
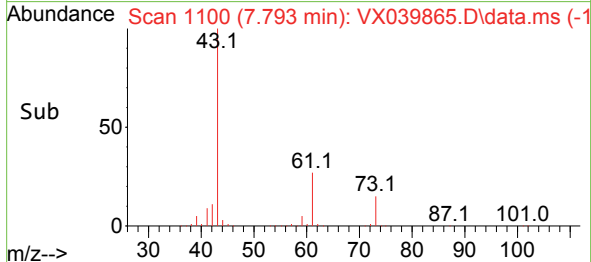
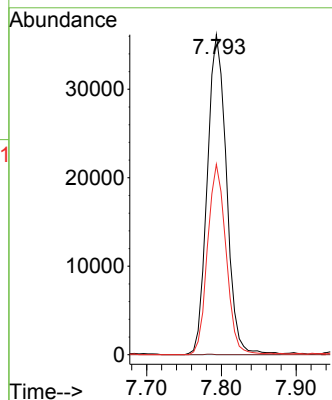
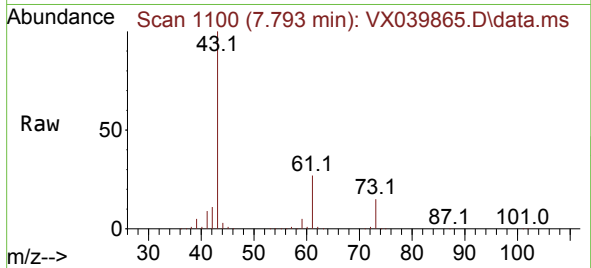




#48
Methyl methacrylate
Concen: 42.309 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

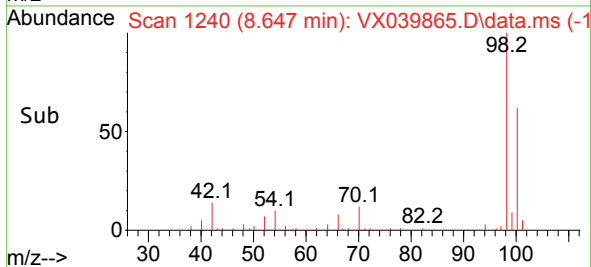
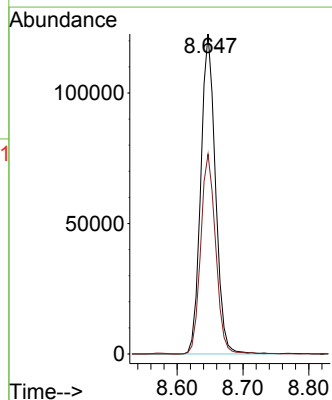
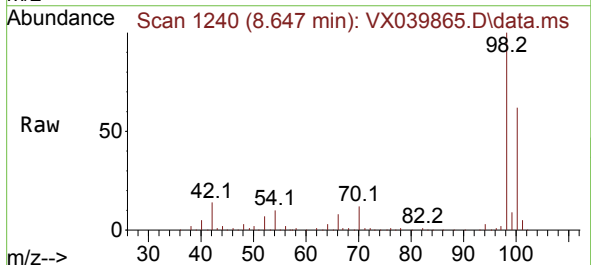
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

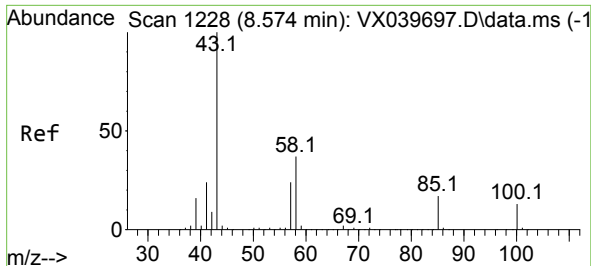
Tgt Ion: 41 Resp: 64496
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 57.6 47.7 71.5



#50
Toluene-d8
Concen: 49.515 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 98 Resp: 190128
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

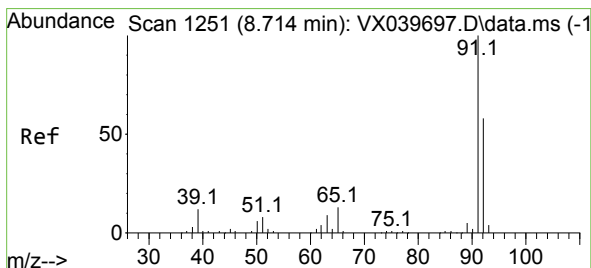
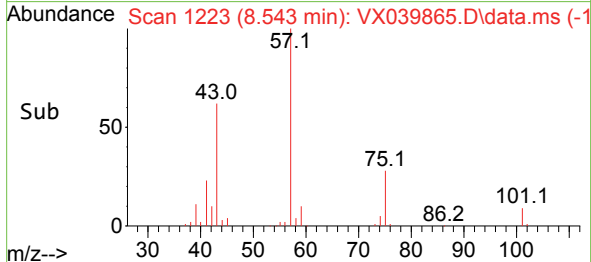
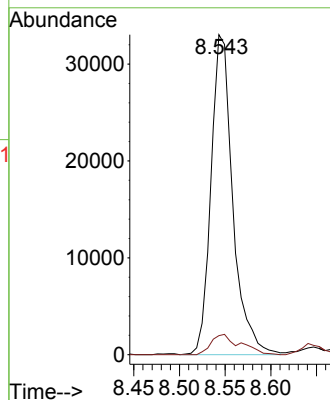
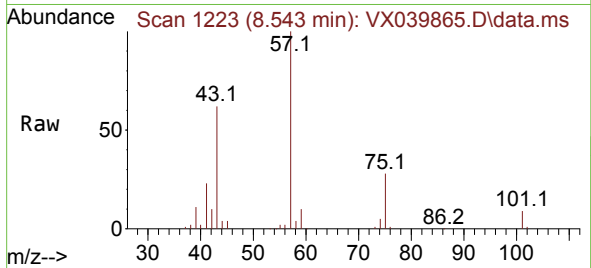




#51
4-Methyl-2-Pentanone
Concen: 25.620 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

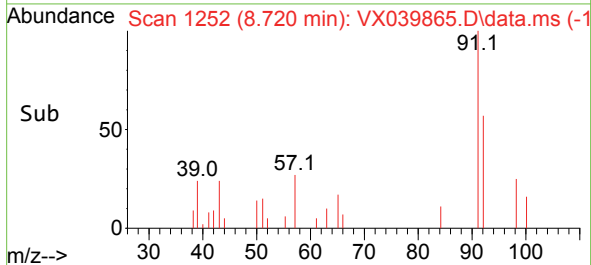
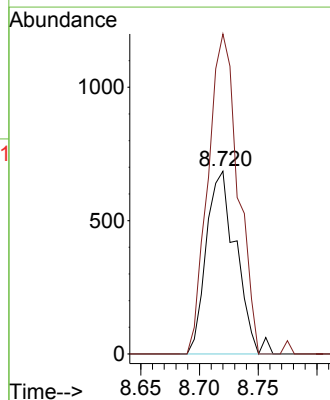
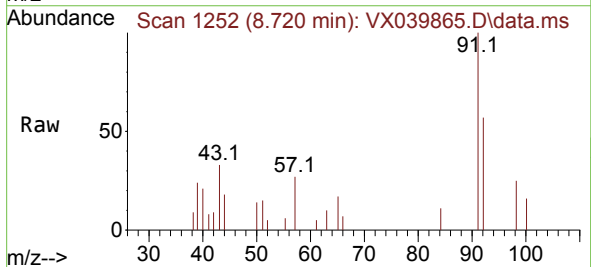
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

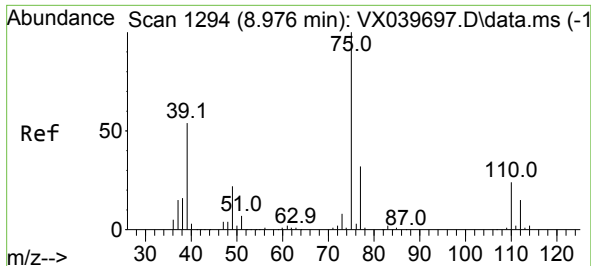
Tgt Ion: 43 Resp: 54722
Ion Ratio Lower Upper
43 100
58 8.5 30.4 45.6#



#52
Toluene
Concen: 0.451 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 92 Resp: 1209
Ion Ratio Lower Upper
92 100
91 176.9 134.2 201.2

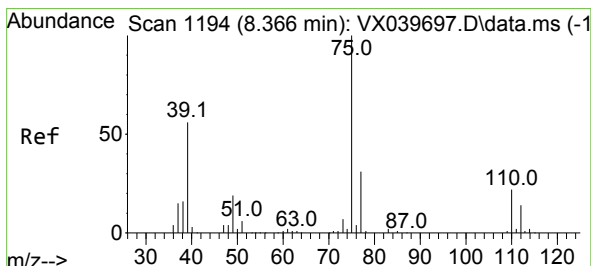
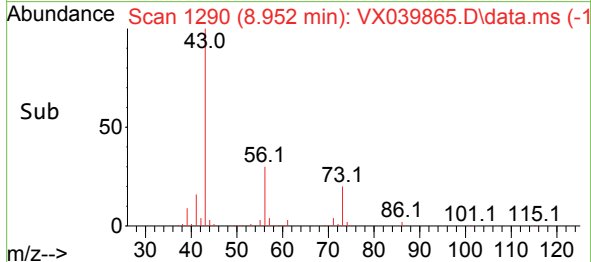
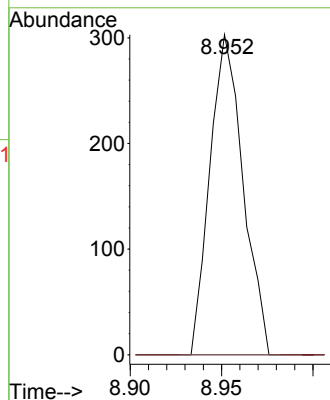
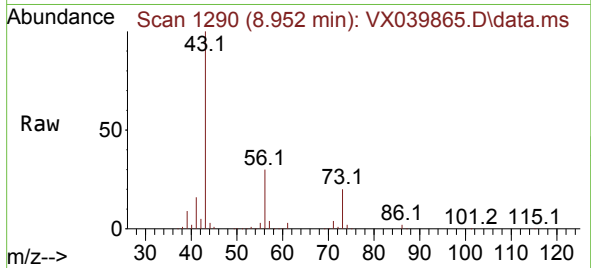




#53
 t-1,3-Dichloropropene
 Concen: 0.234 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX039865.D
 Acq: 20 Jan 2024 01:48

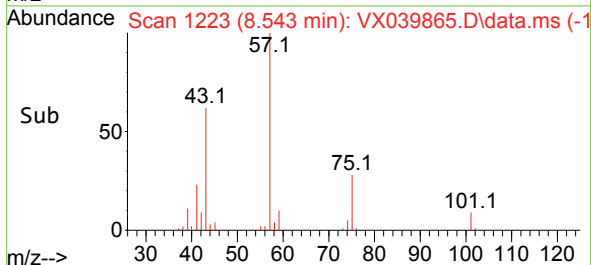
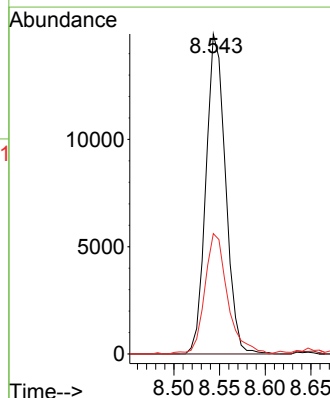
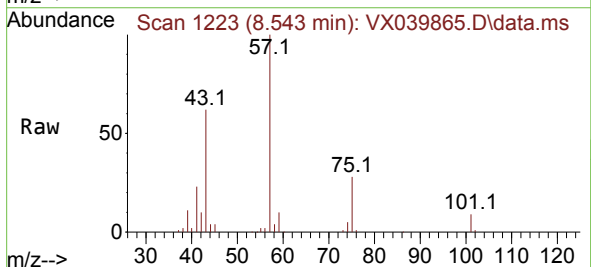
Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#08

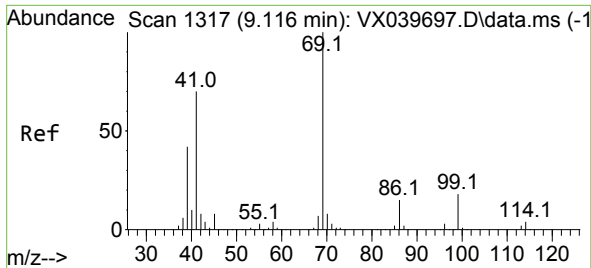
Tgt Ion: 75 Resp: 383
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.333 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX039865.D
 Acq: 20 Jan 2024 01:48

Tgt Ion: 75 Resp: 22158
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 36.9 46.7 70.1#

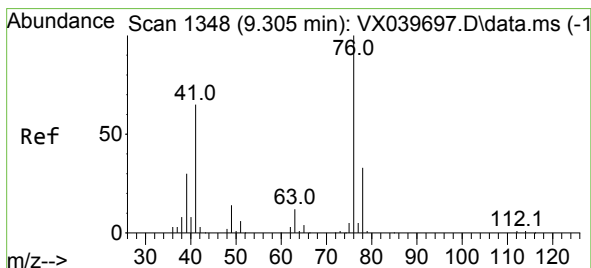
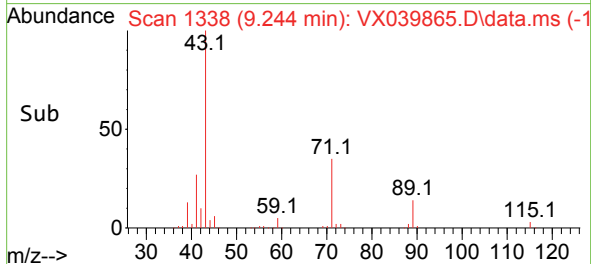
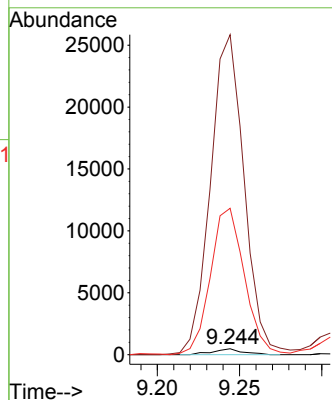
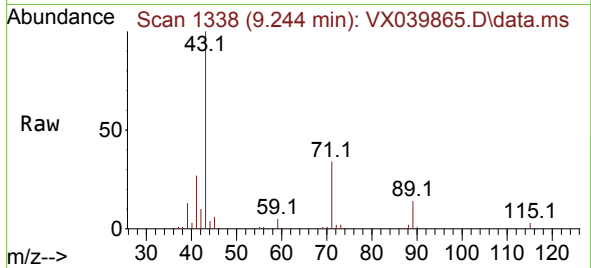




#56
Ethyl methacrylate
Concen: 0.322 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

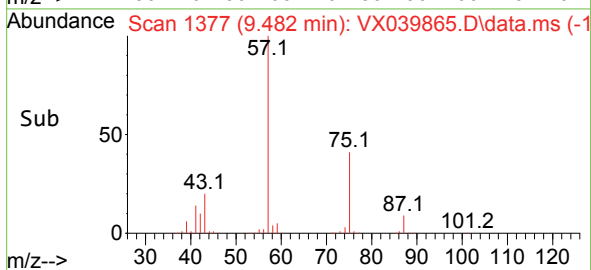
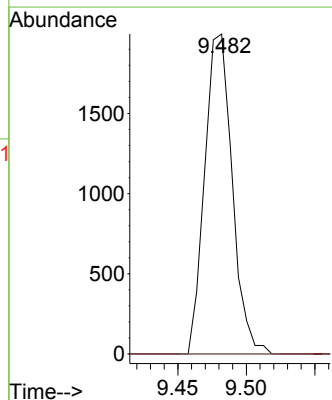
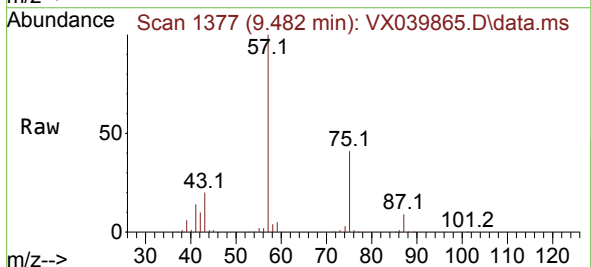
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

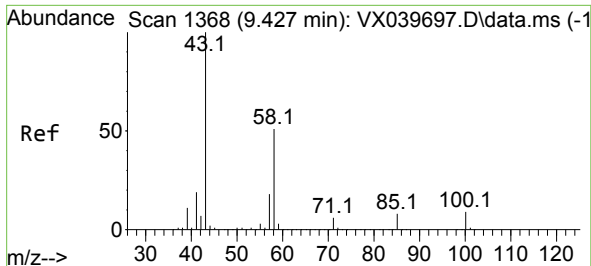
Tgt Ion: 69 Resp: 595
Ion Ratio Lower Upper
69 100
41 6194.6 56.8 85.2#
39 2864.0 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.441 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 76 Resp: 2786
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

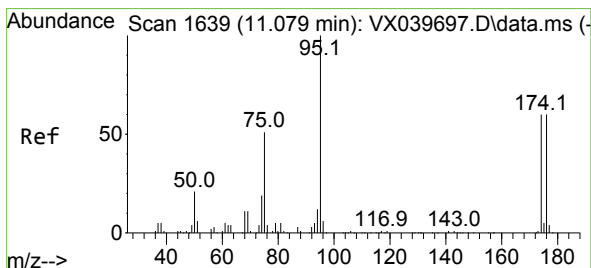
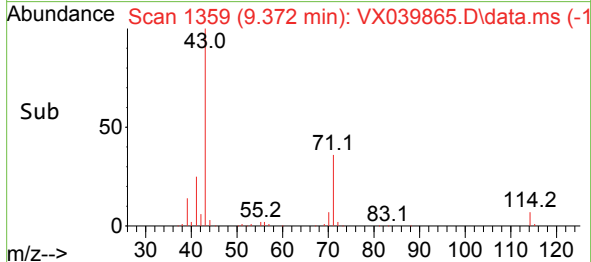
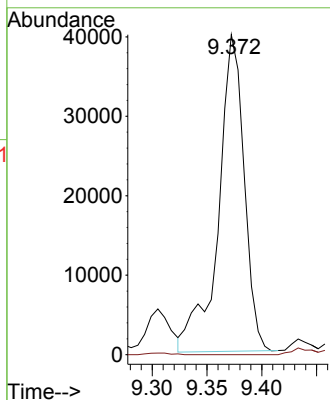
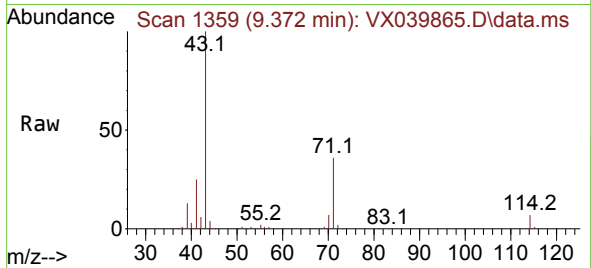




#59
2-Hexanone
Concen: 38.567 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

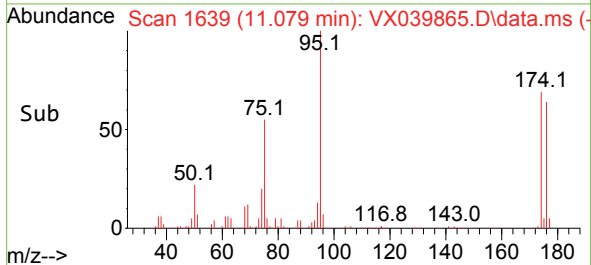
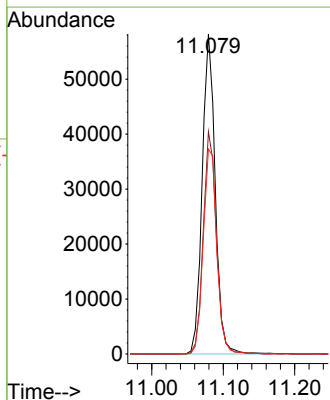
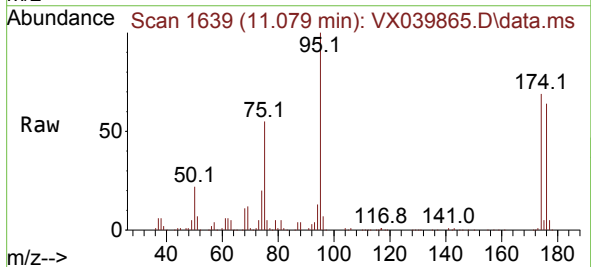
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

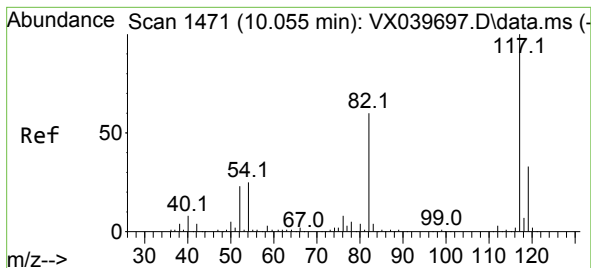
Tgt Ion: 43 Resp: 65195
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.924 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 95 Resp: 73461
Ion Ratio Lower Upper
95 100
174 70.2 0.0 135.6
176 66.9 0.0 131.0

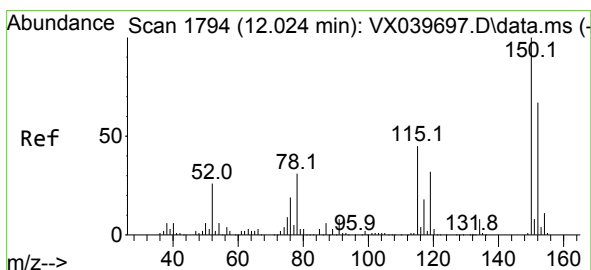
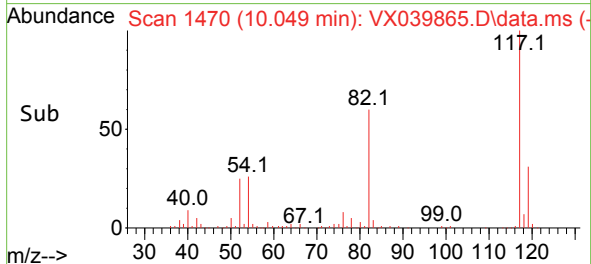
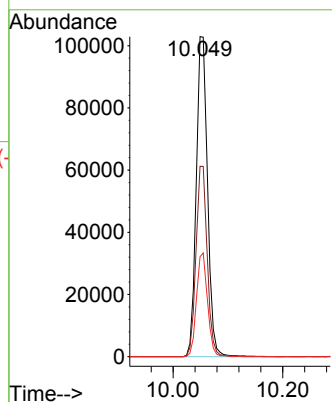
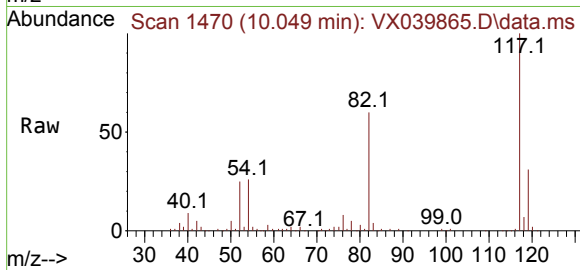




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

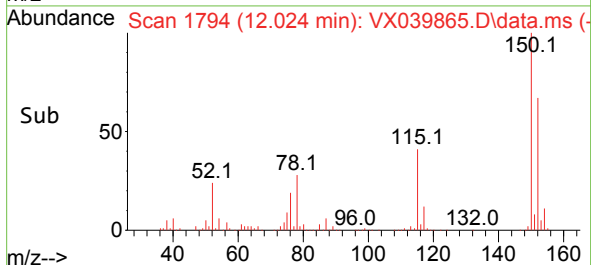
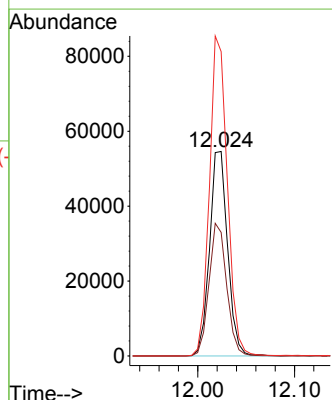
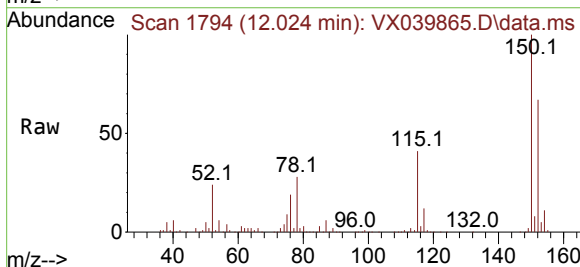
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

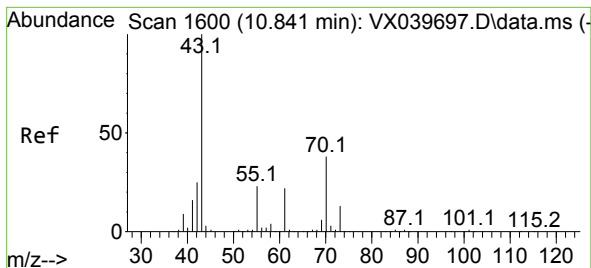
Tgt Ion:117 Resp: 147934
Ion Ratio Lower Upper
117 100
82 59.5 46.2 69.4
119 31.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion:152 Resp: 71052
Ion Ratio Lower Upper
152 100
115 63.5 43.3 129.9
150 154.6 0.0 345.0





#74

N-amy1 acetate

Concen: 0.351 ug/l

RT: 10.774 min Scan# 1

Delta R.T. -0.067 min

Lab File: VX039865.D

Acq: 20 Jan 2024 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#08

Tgt Ion: 43 Resp: 1035

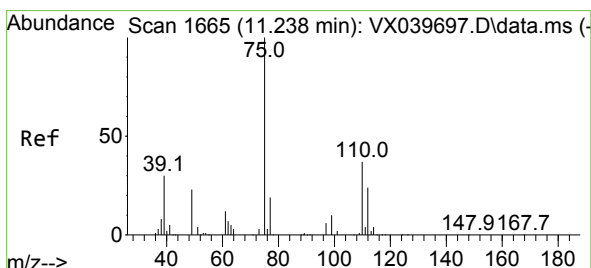
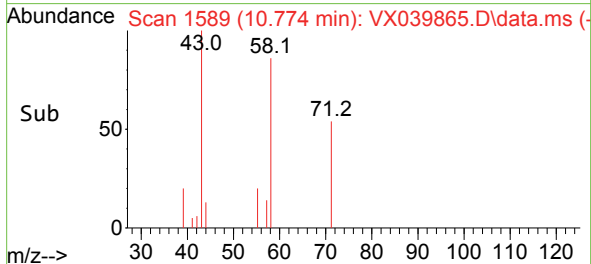
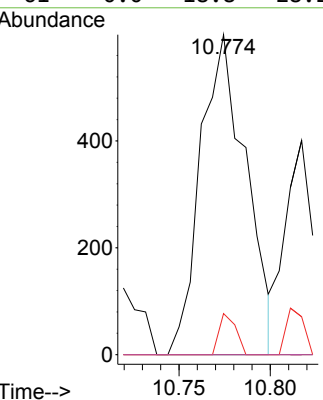
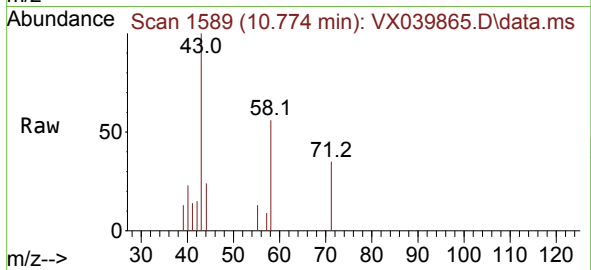
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 4.7 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.032 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039865.D

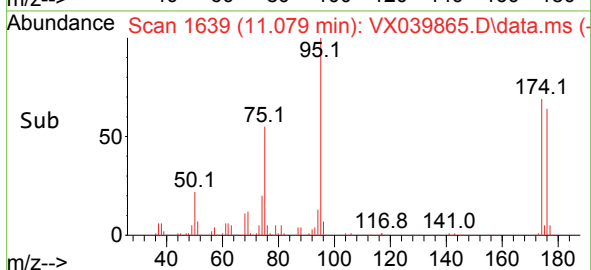
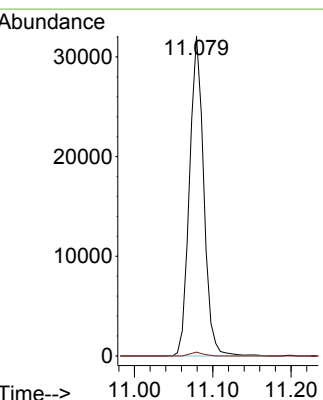
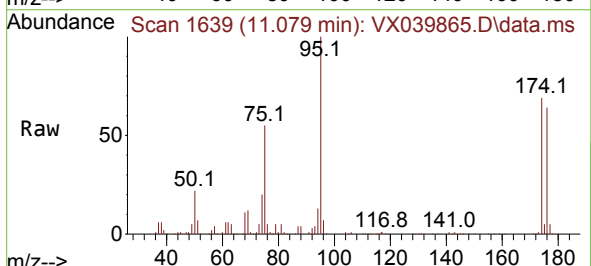
Acq: 20 Jan 2024 01:48

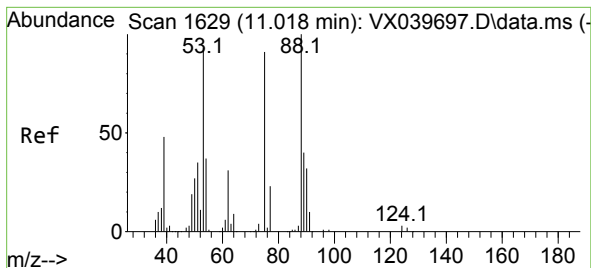
Tgt Ion: 75 Resp: 40585

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

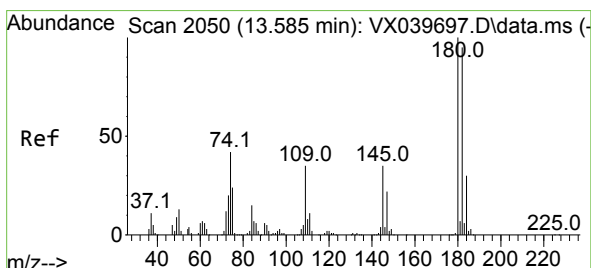
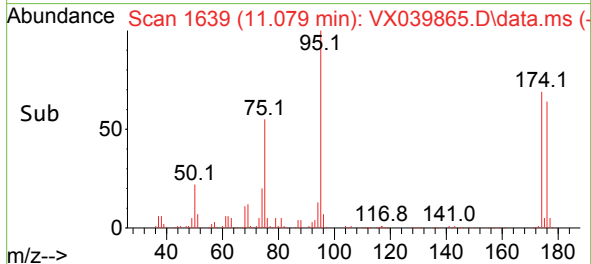
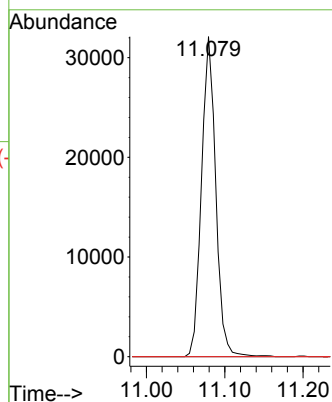
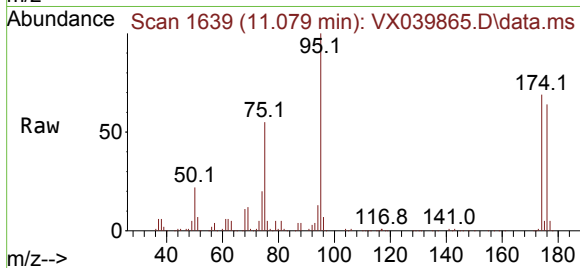




#81
trans-1,4-Dichloro-2-butene
Concen: 63.928 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#08

Tgt Ion: 75 Resp: 40585
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.293 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX039865.D
Acq: 20 Jan 2024 01:48

Tgt Ion: 180 Resp: 428
Ion Ratio Lower Upper
180 100
182 107.9 48.3 144.8
145 40.0 18.0 54.0

