

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040897.D
 Acq On : 05 Apr 2024 12:44
 Operator : JC/MD
 Sample : PB160019ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#05

Quant Time: Apr 05 23:19:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 02 05:40:55 2024
 Response via : Initial Calibration

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

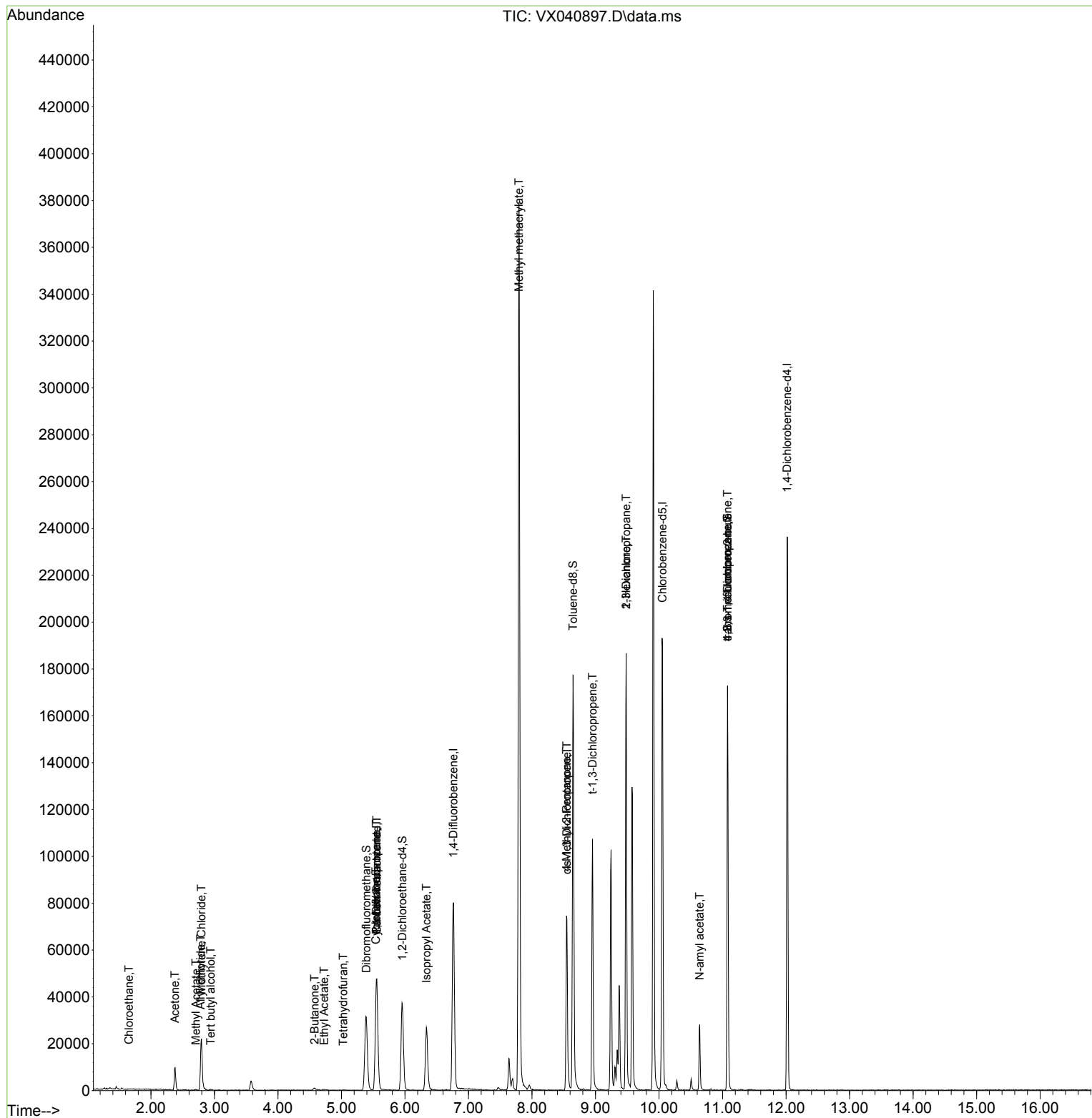
Internal Standards						
1) Pentafluorobenzene	5.550	168	42296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	77335	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	81873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38753	51.064	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.120%			
35) Dibromofluoromethane	5.391	113	27152	49.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.140%			
50) Toluene-d8	8.647	98	101526	51.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.580%			
62) 4-Bromofluorobenzene	11.079	95	43208	54.663	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.320%			
Target Compounds					Qvalue	
6) Chloroethane	1.654	64	132	0.401	ug/l #	43
11) Tert butyl alcohol	2.940	59	410	2.959	ug/l #	78
14) Allyl chloride	2.782	41	300	0.354	ug/l #	24
16) Acetone	2.380	43	10344	35.103	ug/l	97
18) Methyl Acetate	2.709	43	407	0.582	ug/l #	68
20) Methylene Chloride	2.794	84	10080	18.458	ug/l	93
25) 2-Butanone	4.574	43	1229	2.808	ug/l #	79
29) Tetrahydrofuran	5.025	42	58	0.204	ug/l #	34
31) Cyclohexane	5.544	56	1216	1.510	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	4197	5.392	ug/l #	49
37) Ethyl Acetate	4.727	43	689	0.721	ug/l #	69
38) Carbon Tetrachloride	5.556	117	4723	5.482	ug/l #	15
43) Isopropyl Acetate	6.336	43	37572	25.456	ug/l	96
48) Methyl methacrylate	7.793	41	35815	49.553	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	29431	30.062	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	199	0.971	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	10924	12.528	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1632	1.754	ug/l #	42
59) 2-Hexanone	9.482	43	24582	31.308	ug/l #	49
74) N-amyl acetate	10.640	43	7593	4.928	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	25329	27.273	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	25329	73.583	ug/l #	5

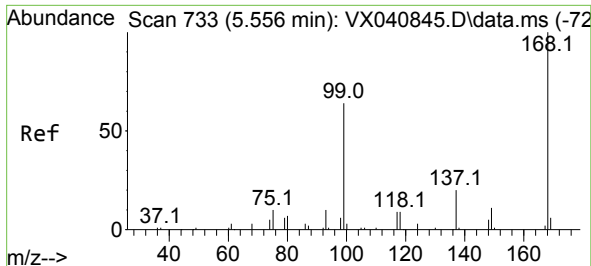
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
Data File : VX040897.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Apr 05 23:19:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration

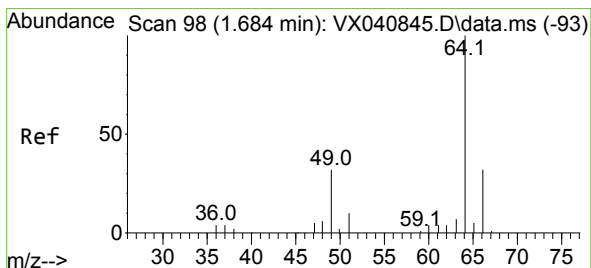
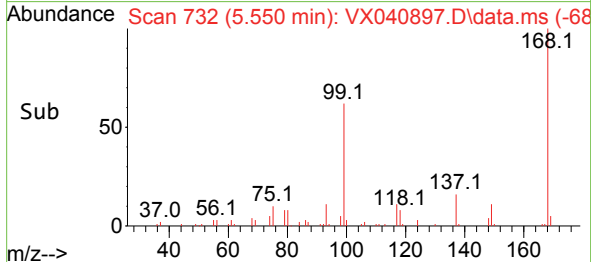
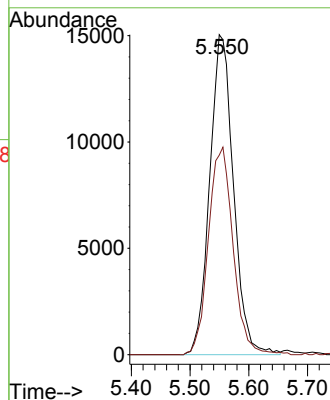
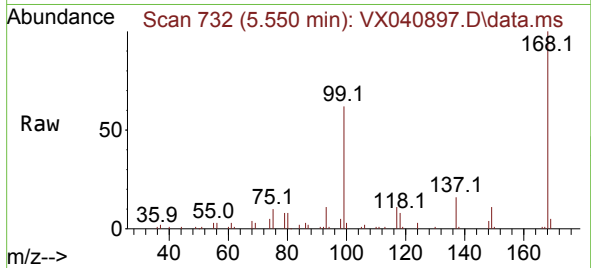




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

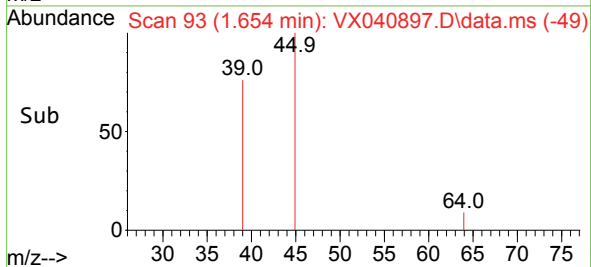
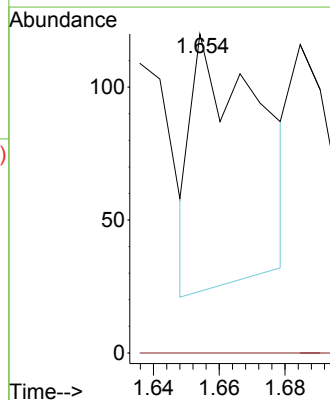
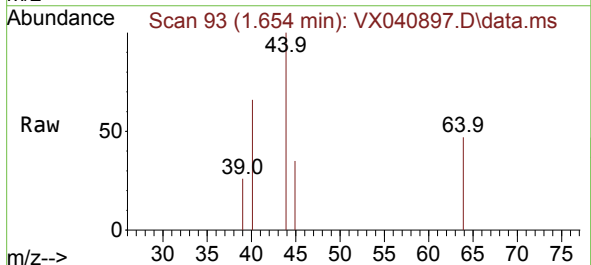
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

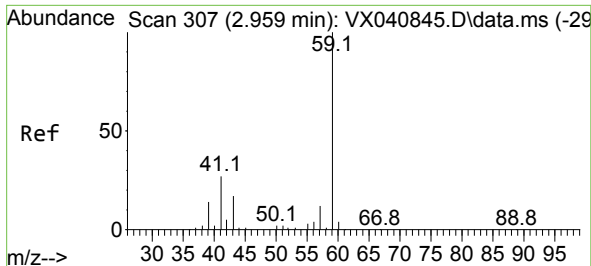
Tgt Ion:168 Resp: 42296
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#6
Chloroethane
Concen: 0.401 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.030 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 64 Resp: 132
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

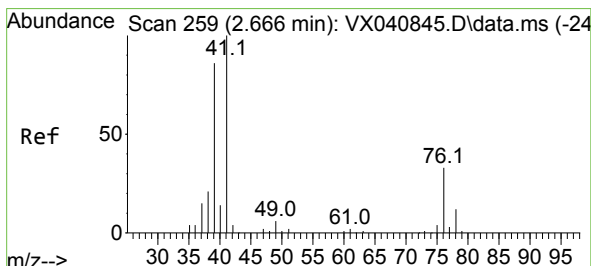
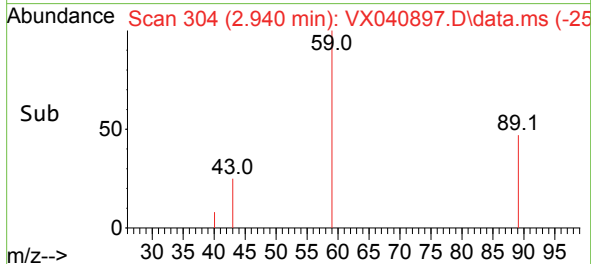
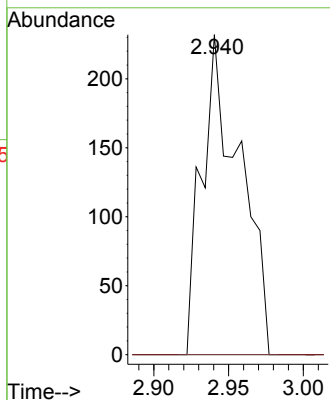
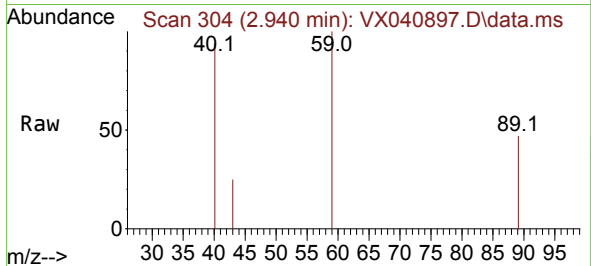




#11
Tert butyl alcohol
Concen: 2.959 ug/l
RT: 2.940 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

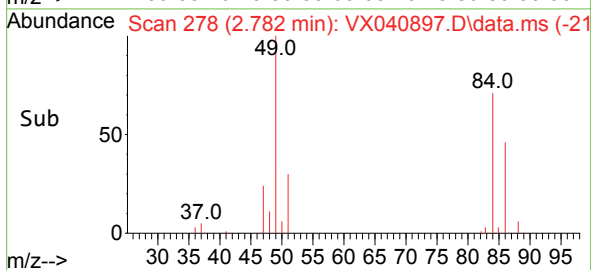
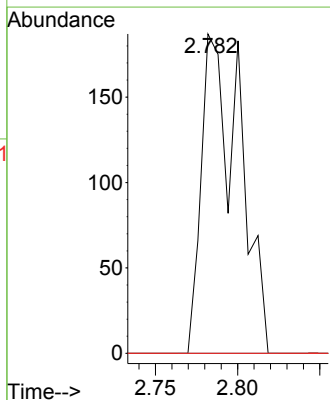
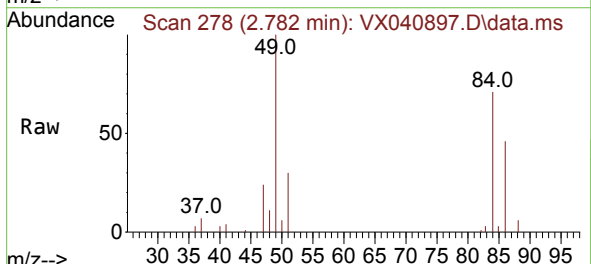
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

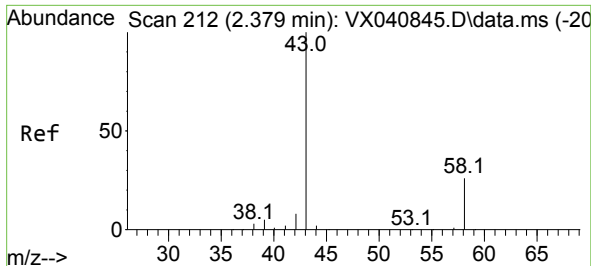
Tgt Ion: 59 Resp: 410
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#14
Allyl chloride
Concen: 0.354 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 41 Resp: 300
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
76 0.0 24.3 36.5#





#16

Acetone

Concen: 35.103 ug/l

RT: 2.380 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

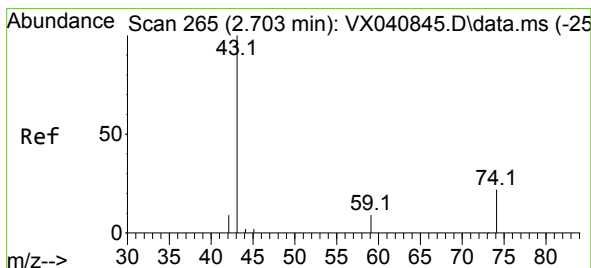
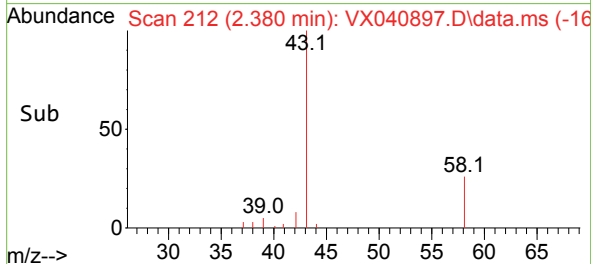
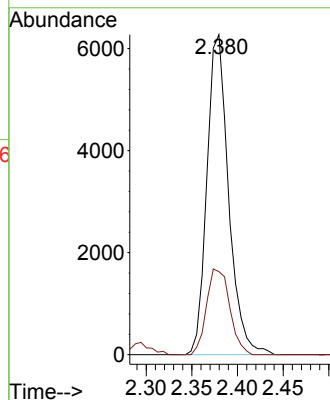
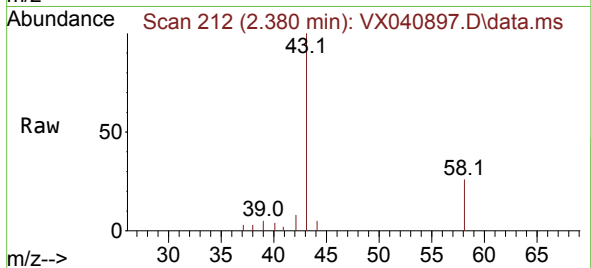
PB160019ZHE#05

Tgt Ion: 43 Resp: 10344

Ion Ratio Lower Upper

43 100

58 26.0 21.9 32.9



#18

Methyl Acetate

Concen: 0.582 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX040897.D

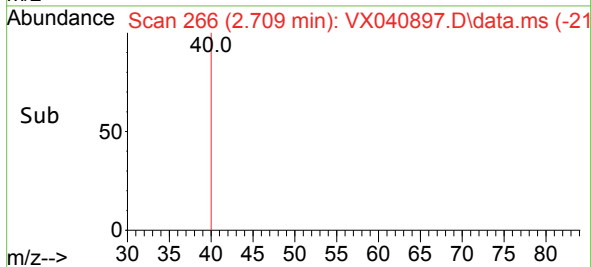
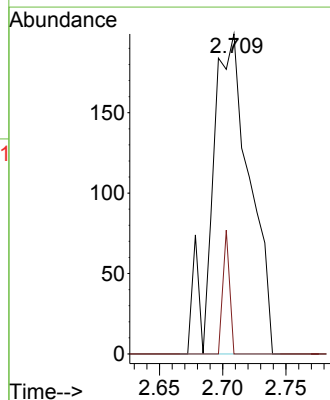
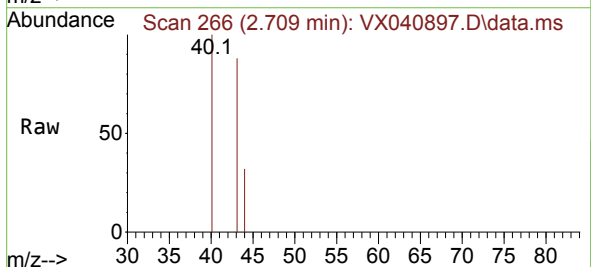
Acq: 05 Apr 2024 12:44

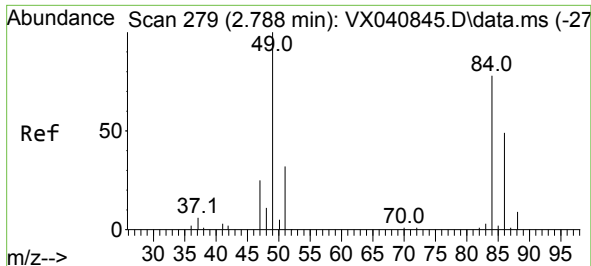
Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

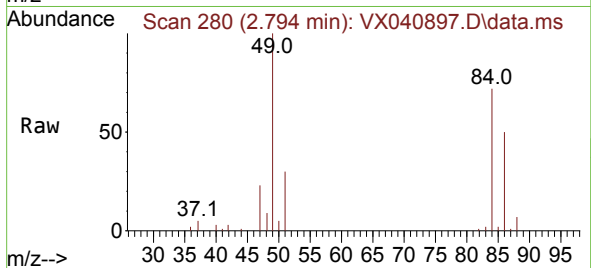
74 6.9 17.8 26.8#



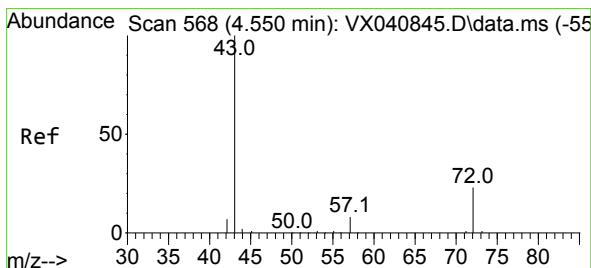
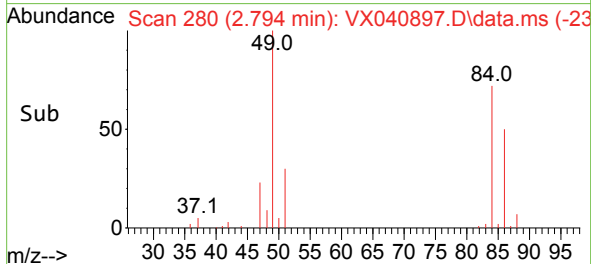
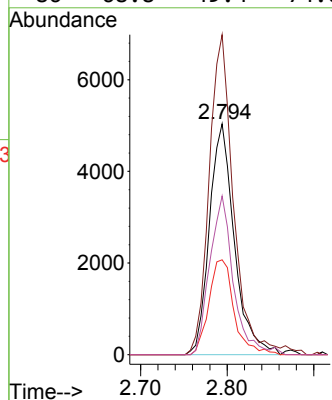


#20
Methylene Chloride
Concen: 18.458 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

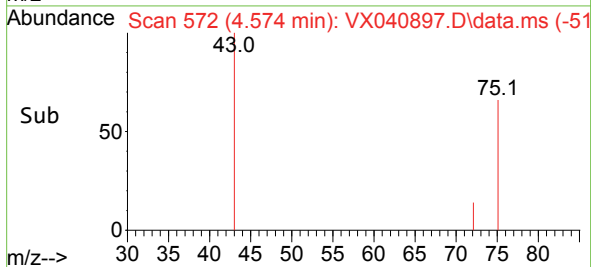
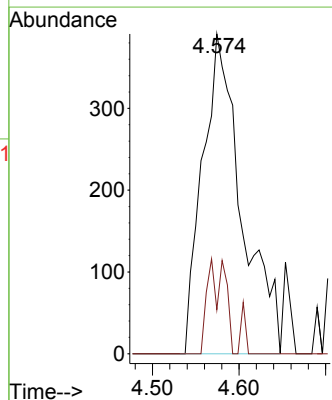
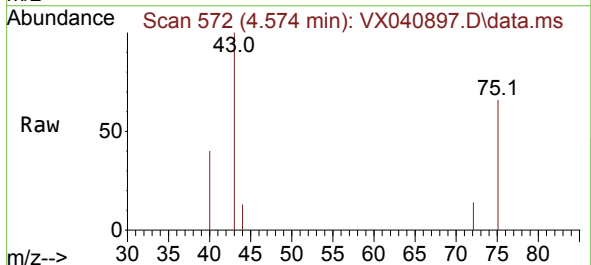


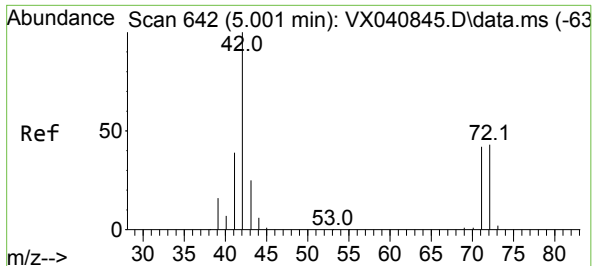
Tgt Ion:	84	Resp:	10080
Ion	Ratio	Lower	Upper
84	100		
49	138.6	103.6	155.4
51	41.1	33.8	50.6
86	68.8	49.4	74.0



#25
2-Butanone
Concen: 2.808 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion:	43	Resp:	1229
Ion	Ratio	Lower	Upper
43	100		
72	13.8	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.204 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB160019ZHE#05

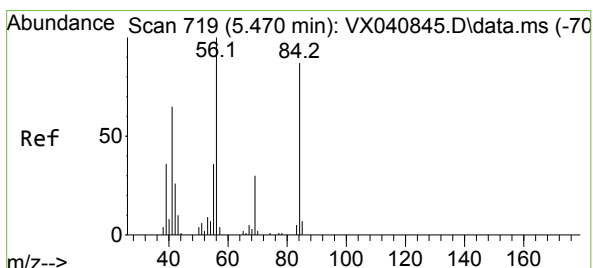
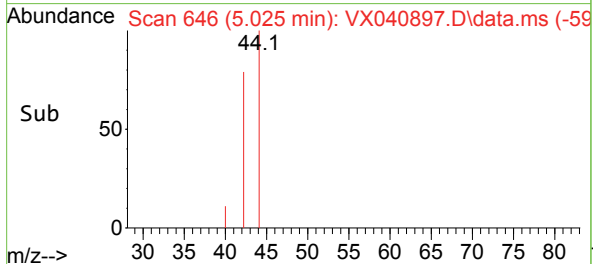
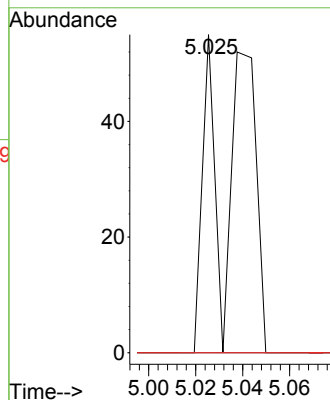
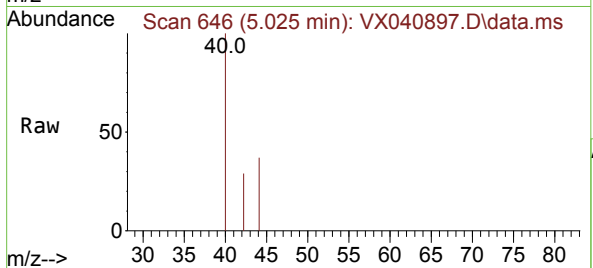
Tgt Ion: 42 Resp: 58

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.510 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

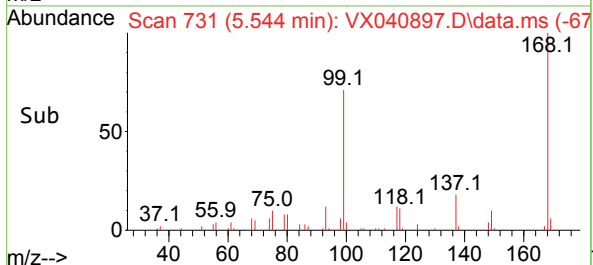
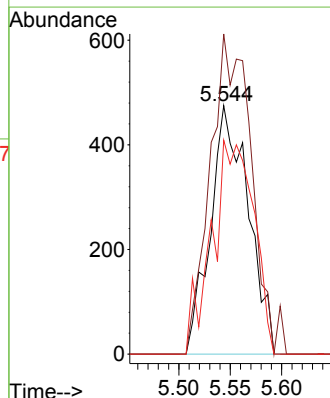
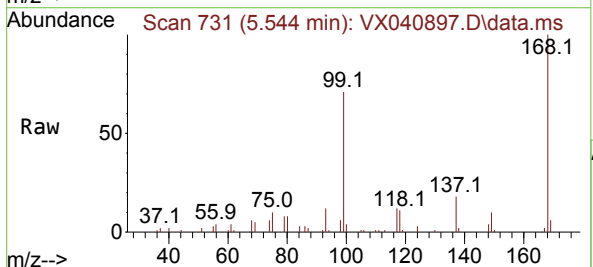
Tgt Ion: 56 Resp: 1216

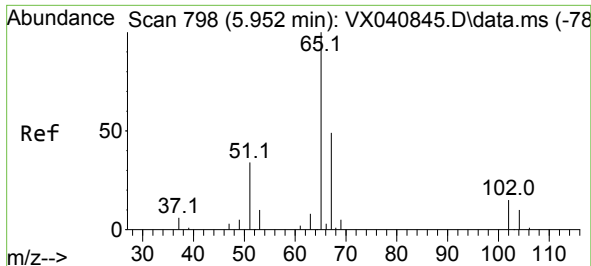
Ion Ratio Lower Upper

56 100

69 128.8 23.4 35.2#

84 86.1 65.9 98.9

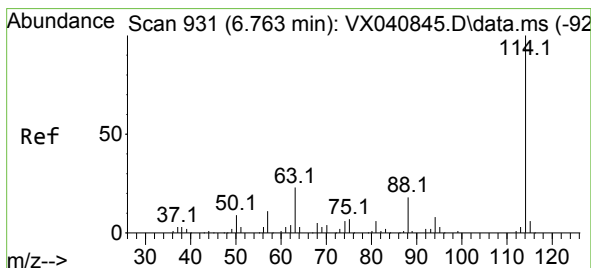
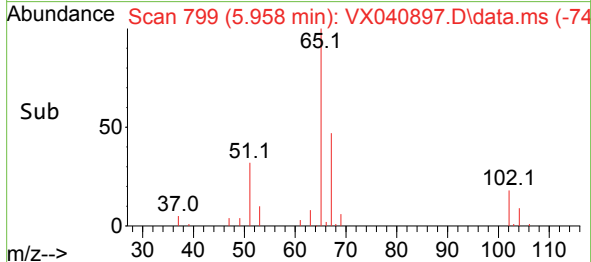
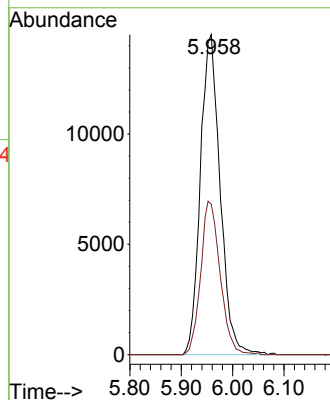
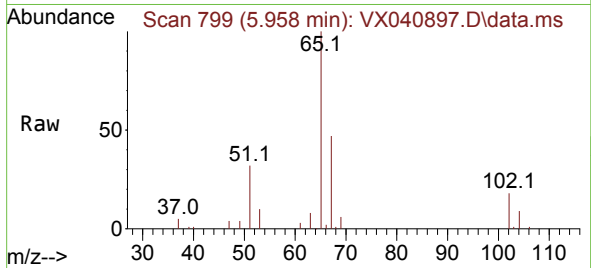




#33
1,2-Dichloroethane-d4
Concen: 51.064 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

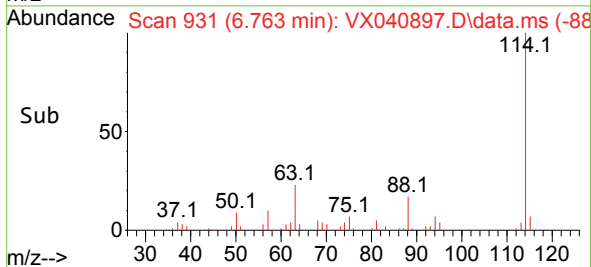
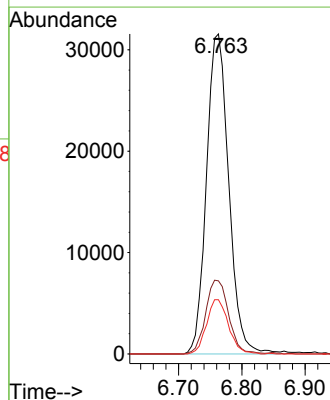
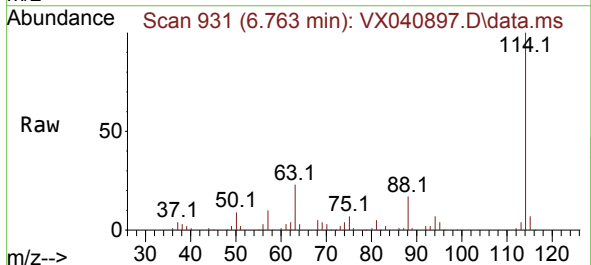
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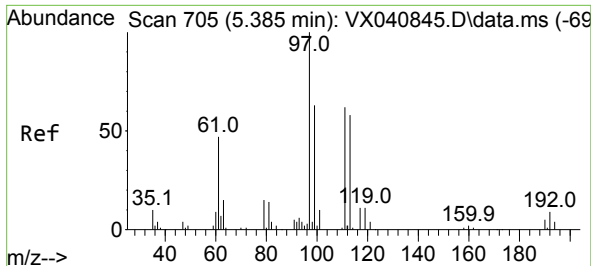
Tgt Ion: 65 Resp: 38753
Ion Ratio Lower Upper
65 100
67 47.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 114 Resp: 77335
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.0
88 16.9 0.0 36.6

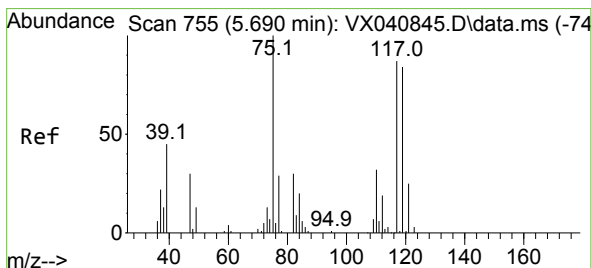
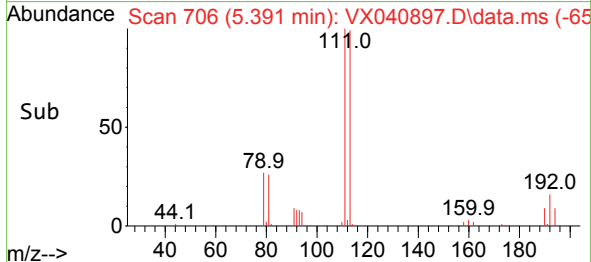
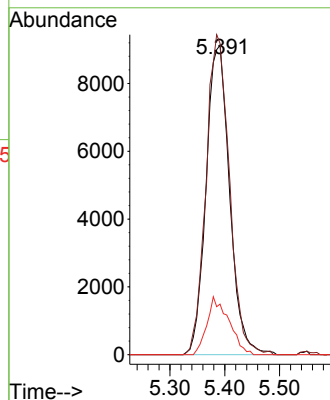
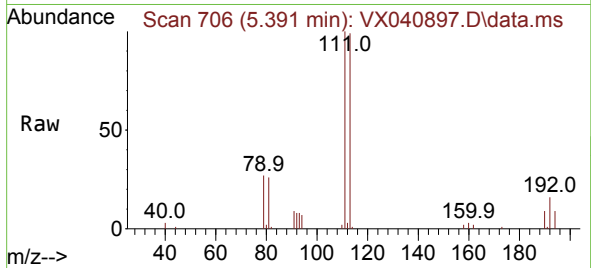




#35
Dibromofluoromethane
Concen: 49.569 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

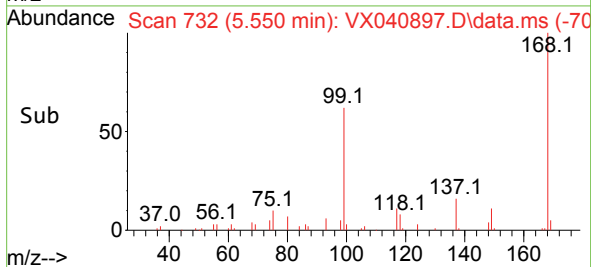
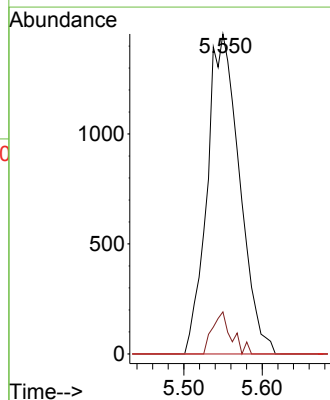
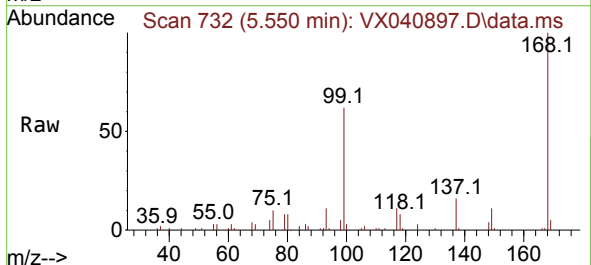
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

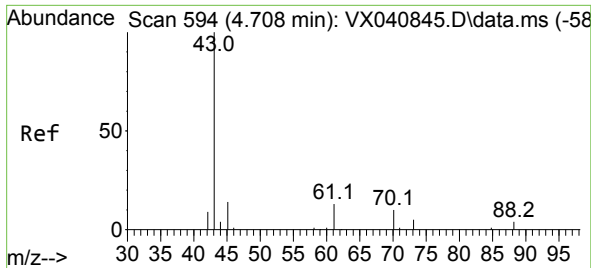
Tgt Ion:113 Resp: 27152
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.392 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 75 Resp: 4197
Ion Ratio Lower Upper
75 100
110 7.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.721 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB160019ZHE#05

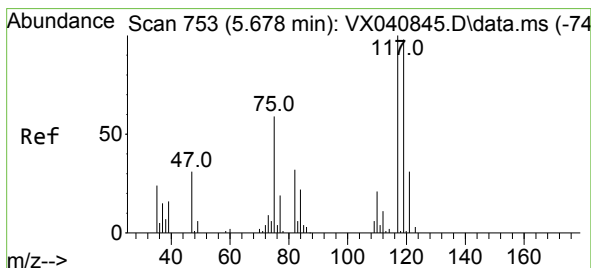
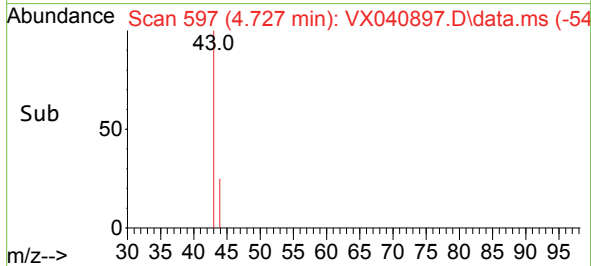
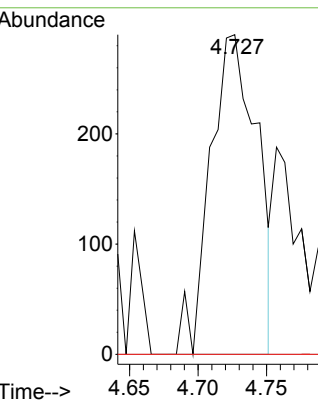
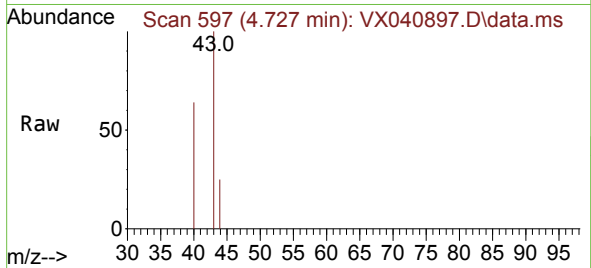
Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.482 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

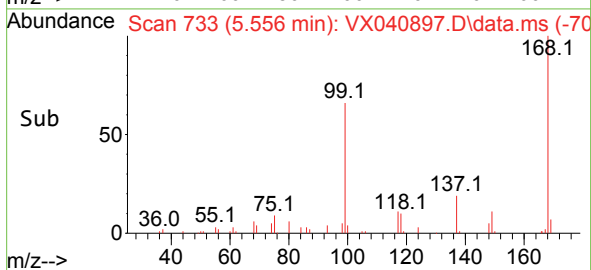
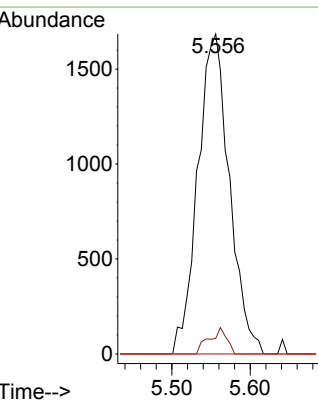
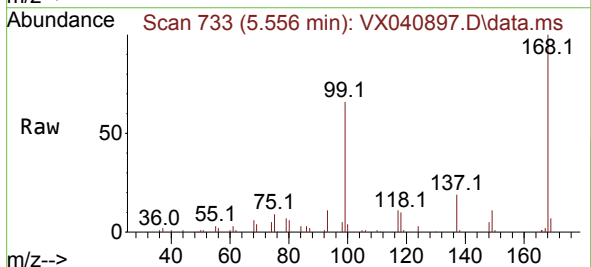
Tgt Ion: 117 Resp: 4723

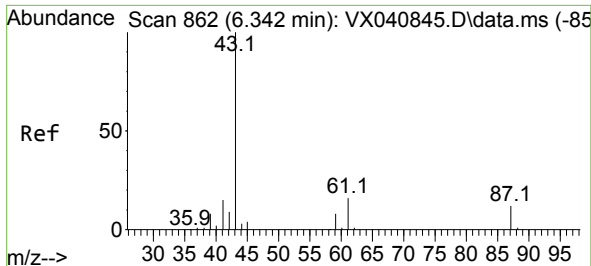
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

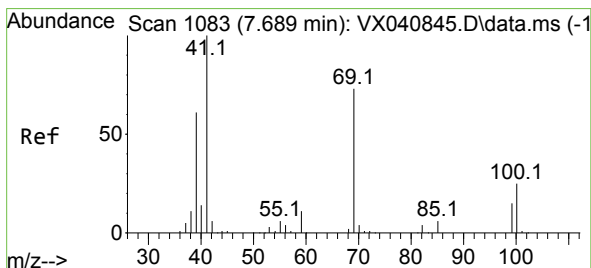
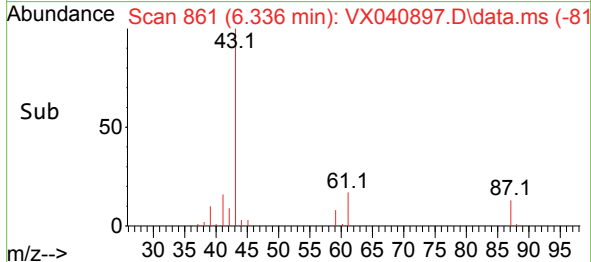
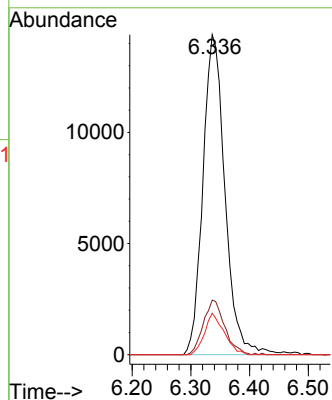
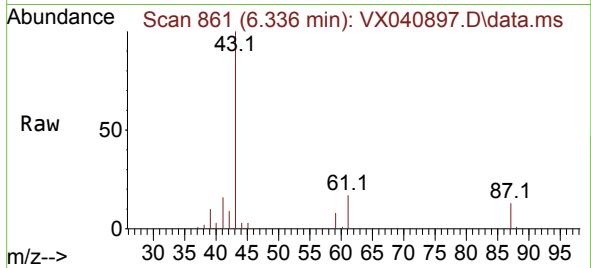




#43
Isopropyl Acetate
Concen: 25.456 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

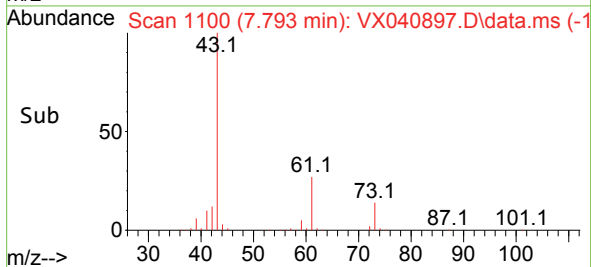
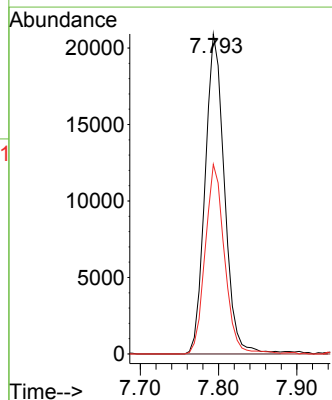
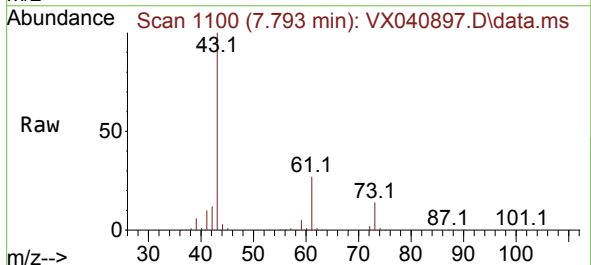
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

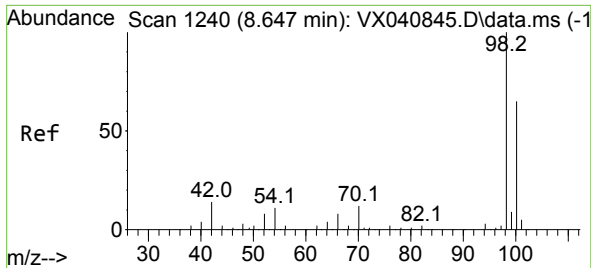
Tgt Ion: 43 Resp: 37572
Ion Ratio Lower Upper
43 100
61 16.5 15.2 22.8
87 11.5 9.8 14.6



#48
Methyl methacrylate
Concen: 49.553 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 41 Resp: 35815
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 59.4 47.7 71.5

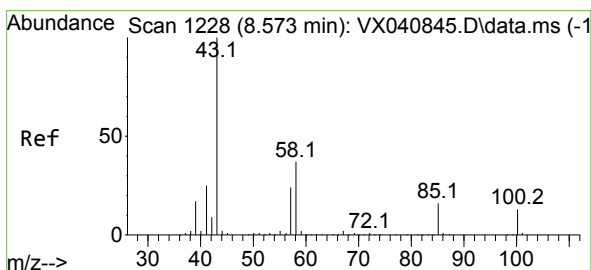
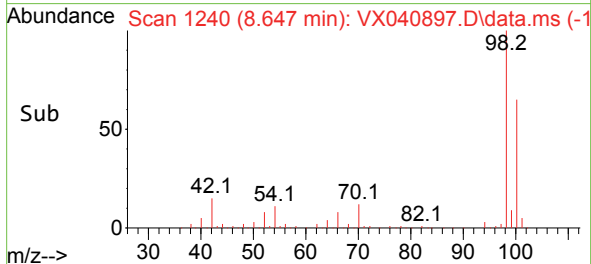
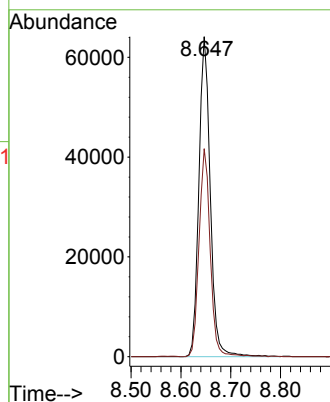
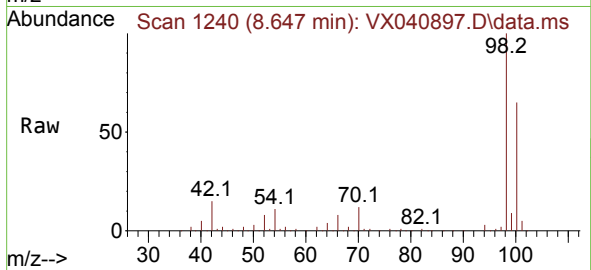




#50
Toluene-d8
Concen: 51.293 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

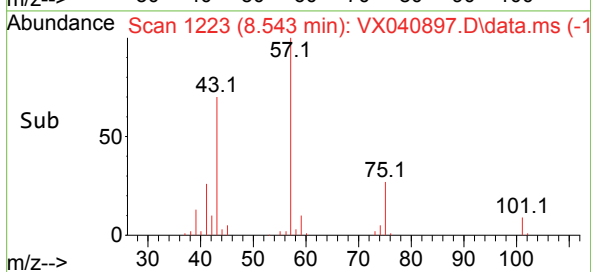
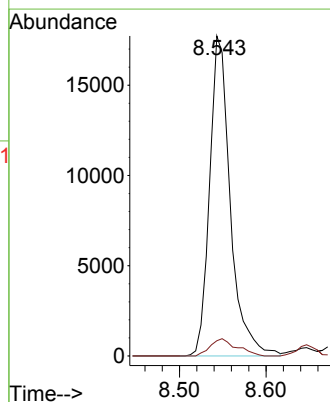
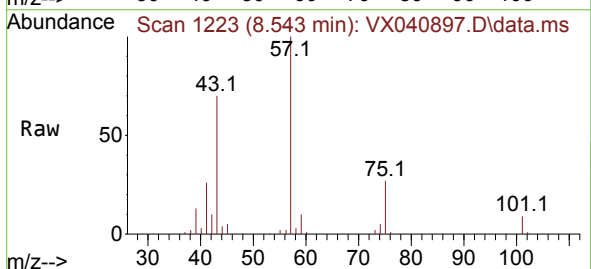
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

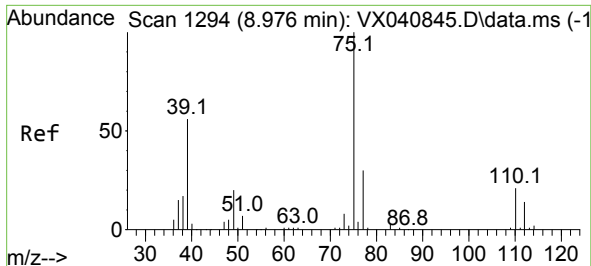
Tgt Ion: 98 Resp: 101526
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 30.062 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 43 Resp: 29431
Ion Ratio Lower Upper
43 100
58 6.9 30.4 45.6#

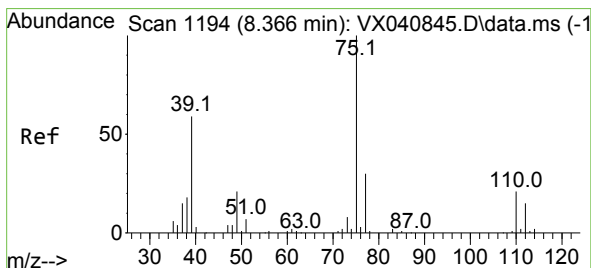
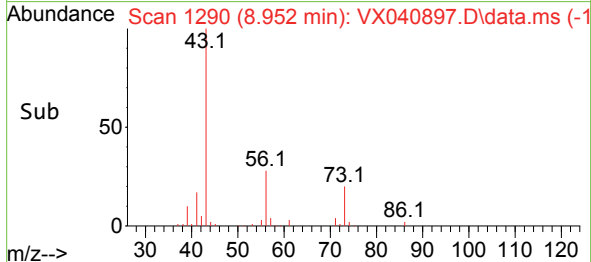
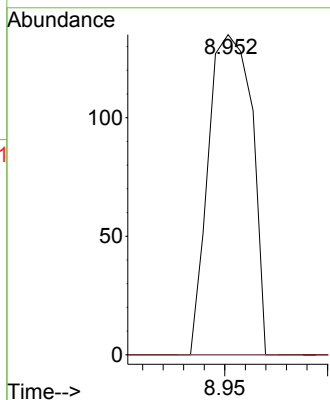
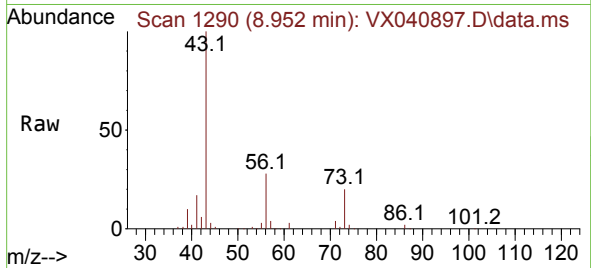




#53
 t-1,3-Dichloropropene
 Concen: 0.971 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX040897.D
 Acq: 05 Apr 2024 12:44

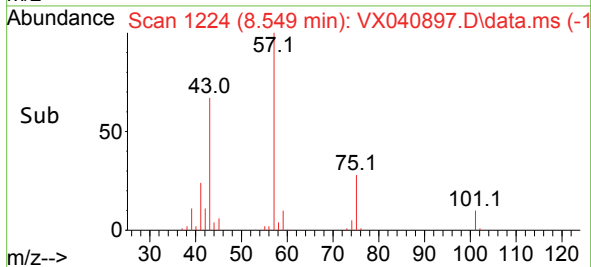
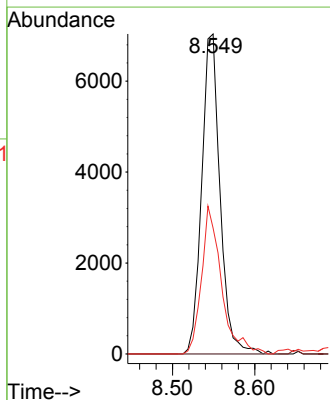
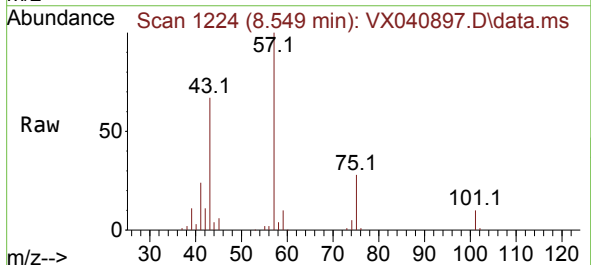
Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#05

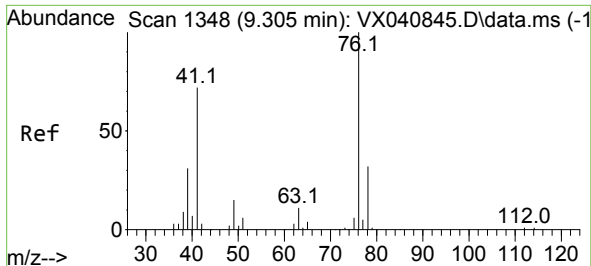
Tgt Ion: 75 Resp: 199
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.528 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040897.D
 Acq: 05 Apr 2024 12:44

Tgt Ion: 75 Resp: 10924
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 39.4 46.7 70.1#

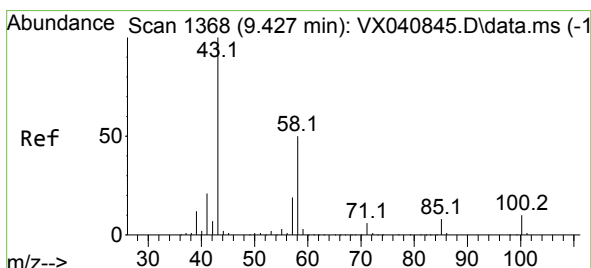
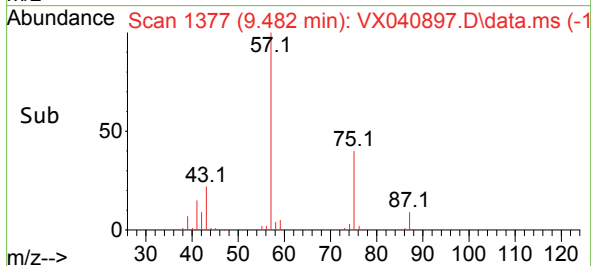
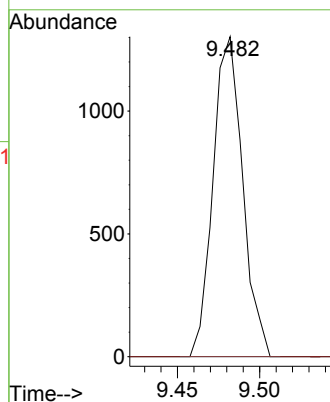
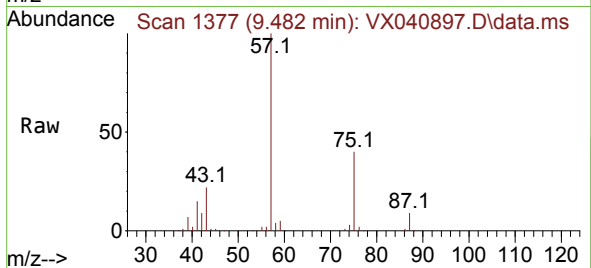




#57
1,3-Dichloropropane
Concen: 1.754 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

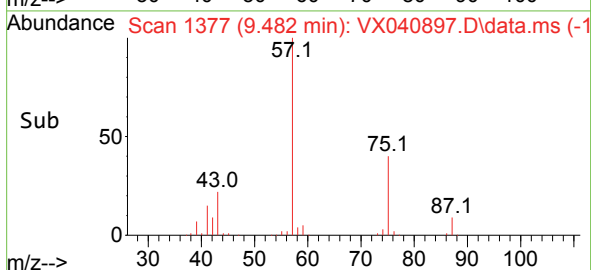
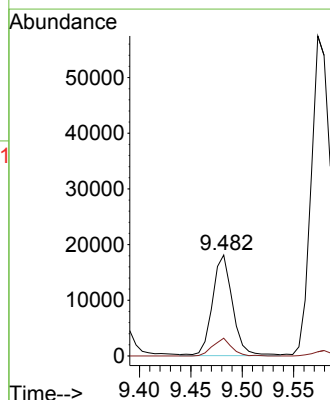
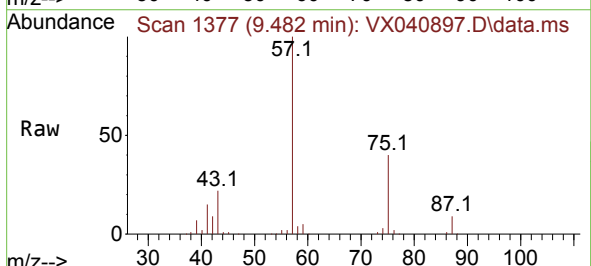
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

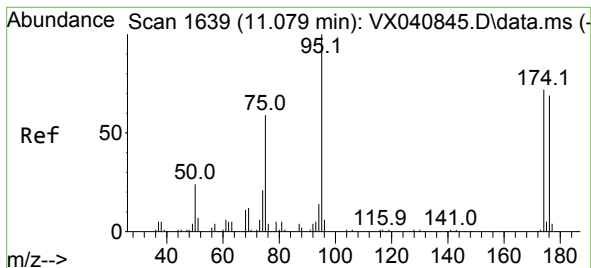
Tgt Ion: 76 Resp: 1632
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 31.308 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 43 Resp: 24582
Ion Ratio Lower Upper
43 100
58 16.5 26.2 78.5#

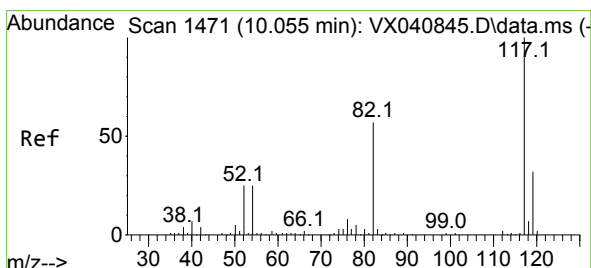
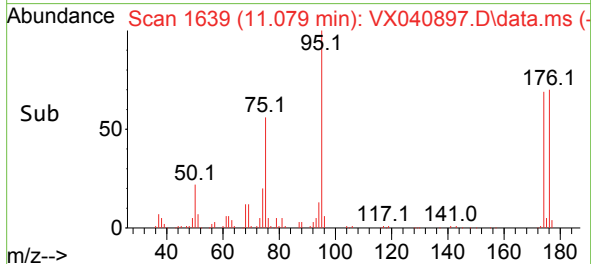
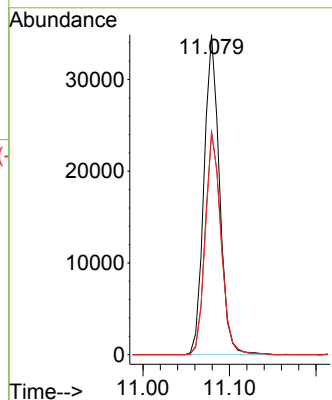
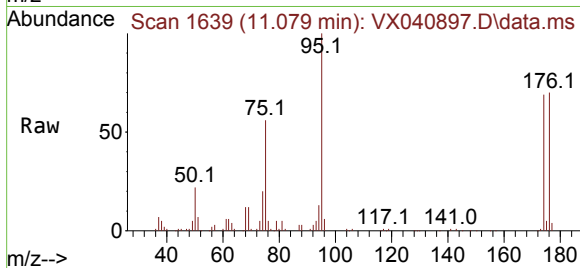




#62
4-Bromofluorobenzene
Concen: 54.663 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

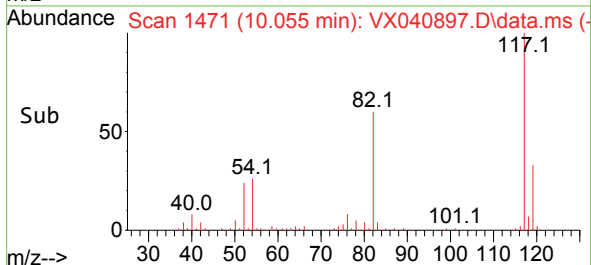
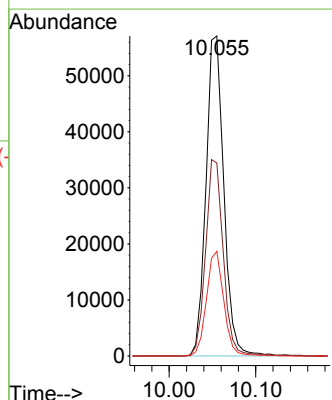
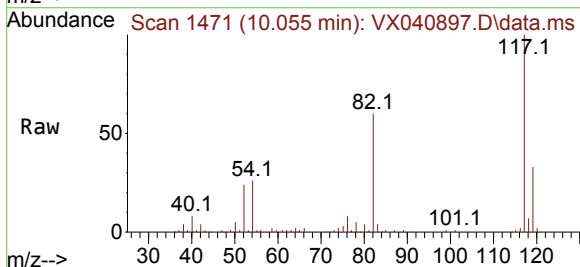
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#05

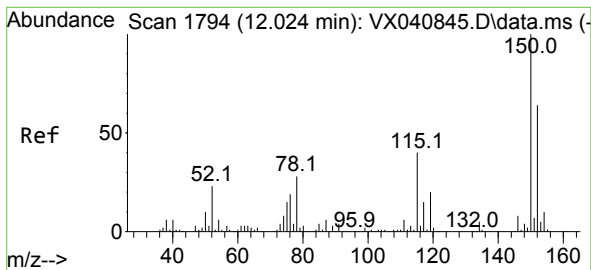
Tgt Ion: 95 Resp: 43208
Ion Ratio Lower Upper
95 100
174 71.5 0.0 135.6
176 70.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040897.D
Acq: 05 Apr 2024 12:44

Tgt Ion: 117 Resp: 81873
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 32.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB160019ZHE#05

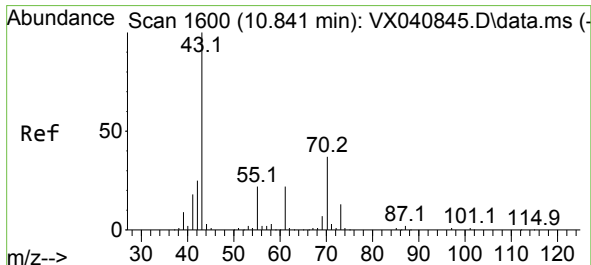
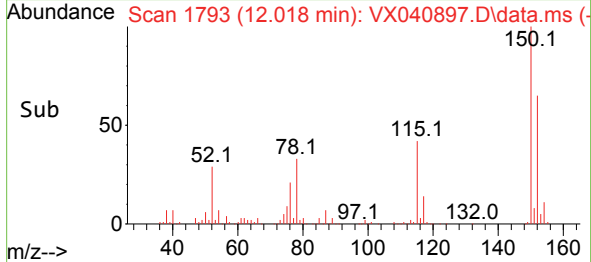
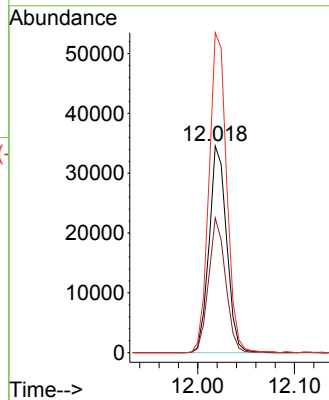
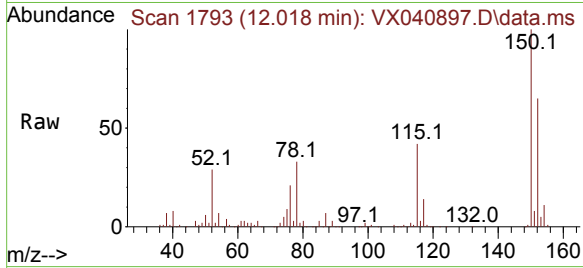
Tgt Ion:152 Resp: 43553

Ion Ratio Lower Upper

152 100

115 63.0 43.3 129.9

150 156.1 0.0 345.0



#74

N-ethyl acetate

Concen: 4.928 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Tgt Ion: 43 Resp: 7593

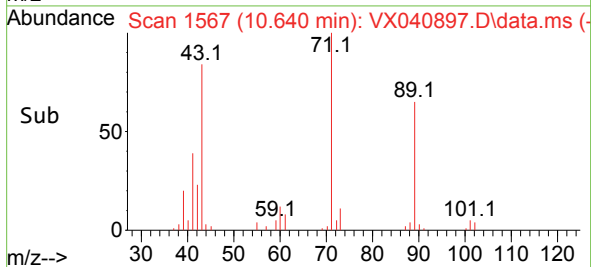
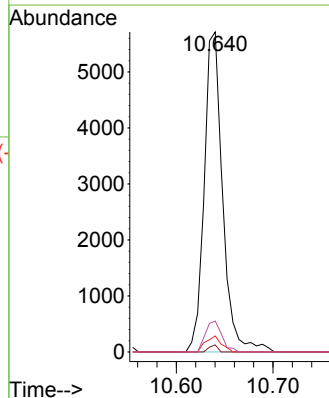
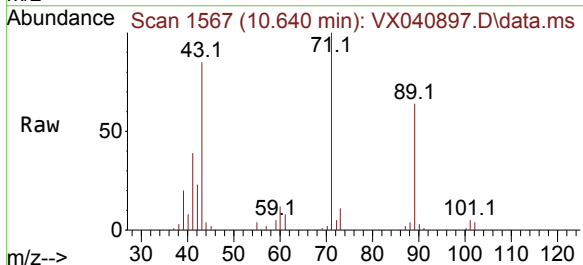
Ion Ratio Lower Upper

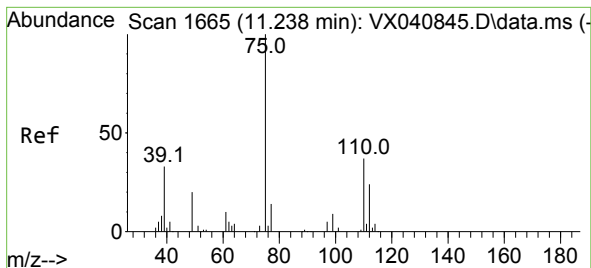
43 100

70 1.0 32.9 49.3#

55 4.3 19.3 28.9#

61 8.6 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 27.273 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

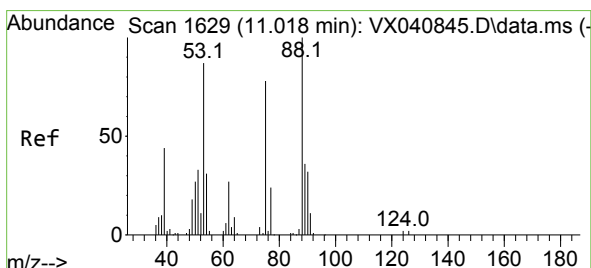
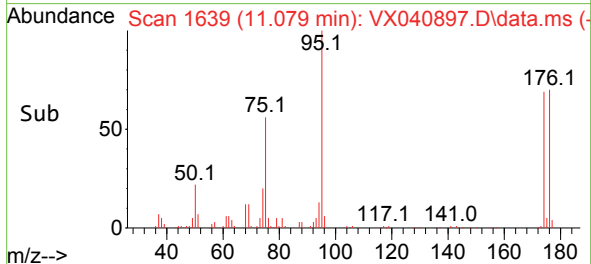
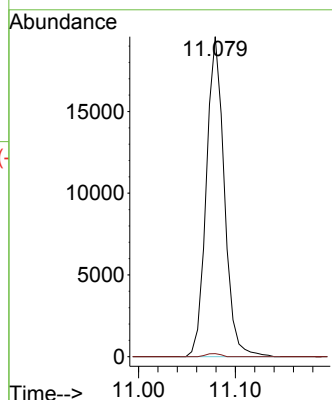
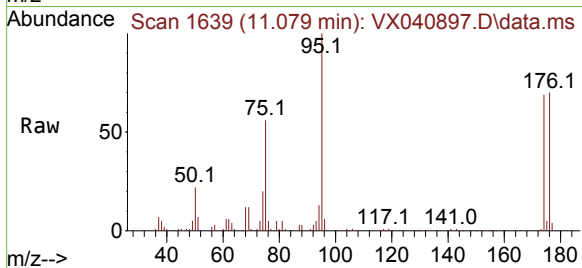
PB160019ZHE#05

Tgt Ion: 75 Resp: 25329

Ion Ratio Lower Upper

75 100

77 0.8 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.583 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040897.D

Acq: 05 Apr 2024 12:44

Tgt Ion: 75 Resp: 25329

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

