

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040524\
 Data File : VX040893.D
 Acq On : 05 Apr 2024 11:13
 Operator : JC/MD
 Sample : PB160019ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#01

Quant Time: Apr 05 23:17:42 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)

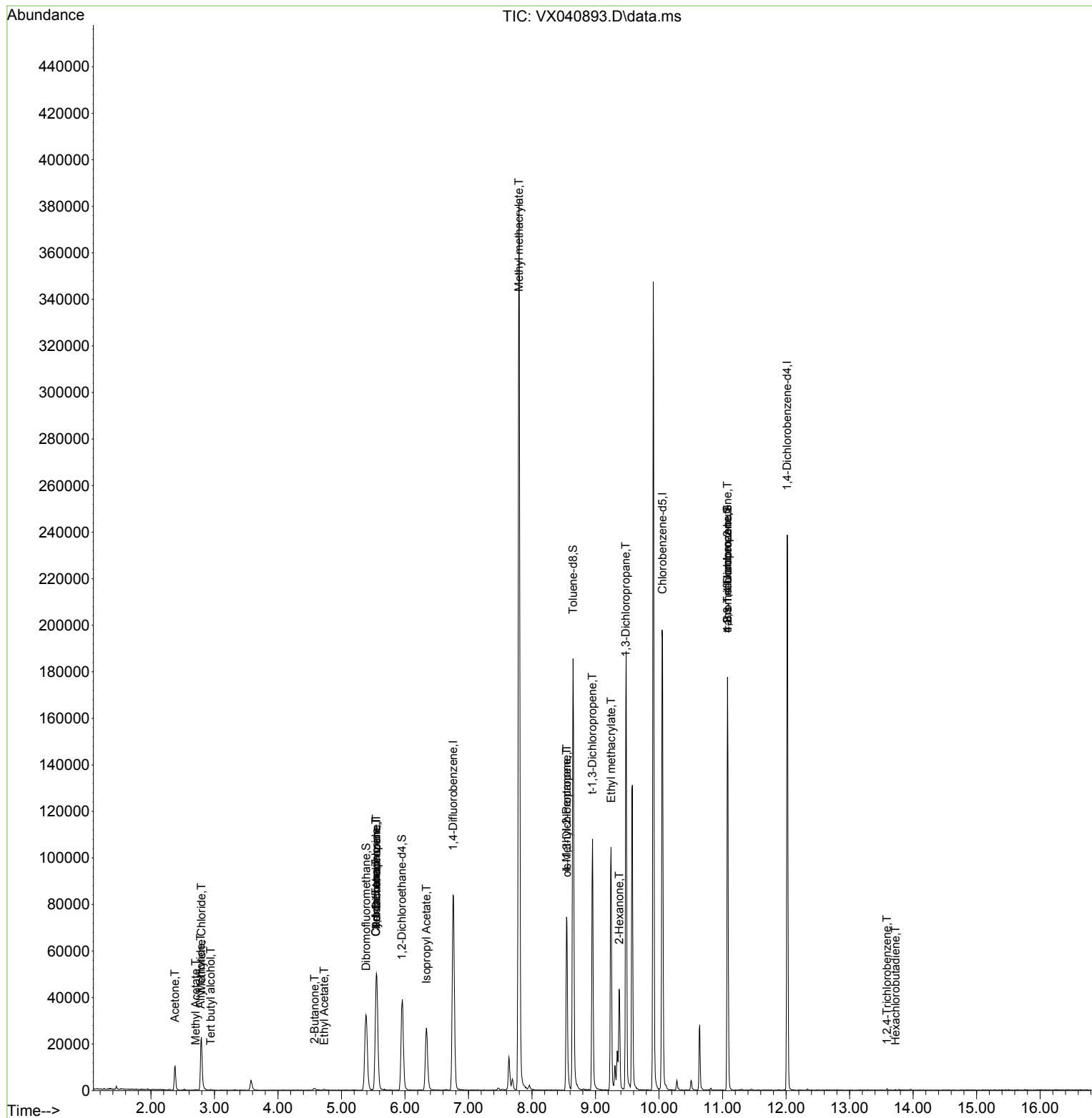
Internal Standards						
1) Pentafluorobenzene	5.550	168	44697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	80689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	84173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	43818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	39205	48.885	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.760%
35) Dibromofluoromethane	5.385	113	27864	48.754	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.500%
50) Toluene-d8	8.647	98	105290	50.984	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.960%
62) 4-Bromofluorobenzene	11.079	95	43680	52.964	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	287	1.960	ug/l #	78
14) Allyl chloride	2.782	41	339	0.378	ug/l #	24
16) Acetone	2.380	43	11197	35.956	ug/l	98
18) Methyl Acetate	2.703	43	439	0.594	ug/l #	53
20) Methylene Chloride	2.794	84	10664	18.479	ug/l	93
25) 2-Butanone	4.574	43	1280	2.767	ug/l	93
31) Cyclohexane	5.544	56	614	0.721	ug/l #	34
36) 1,1-Dichloropropene	5.550	75	4043	4.979	ug/l #	50
37) Ethyl Acetate	4.727	43	906	0.909	ug/l #	72
38) Carbon Tetrachloride	5.544	117	5038	5.604	ug/l #	15
43) Isopropyl Acetate	6.336	43	37899	24.610	ug/l	97
48) Methyl methacrylate	7.793	41	36938	48.982	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	29122	28.510	ug/l #	50
53) t-1,3-Dichloropropene	8.951	75	192	0.954	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	10897	11.977	ug/l #	64
56) Ethyl methacrylate	9.244	69	264	0.277	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	1351	1.392	ug/l #	42
59) 2-Hexanone	9.372	43	34718	42.379	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	26203	28.043	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	26203	75.662	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	274	0.278	ug/l	79
94) Hexachlorobutadiene	13.725	225	95	0.252	ug/l #	53

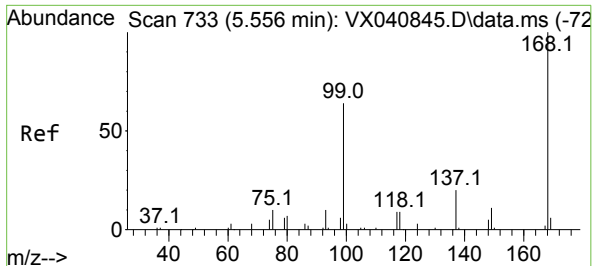
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX040893.D
Acq On : 05 Apr 2024 11:13
Operator : JC/MD
Sample : PB160019ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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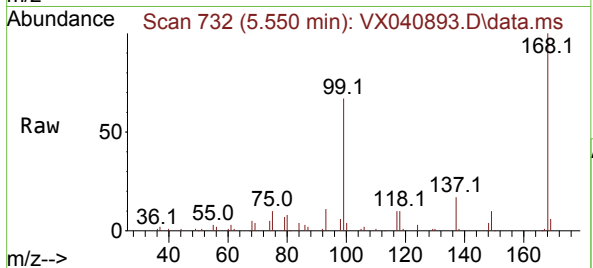
Quant Time: Apr 05 23:17:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040124W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 02 05:40:55 2024
Response via : Initial Calibration



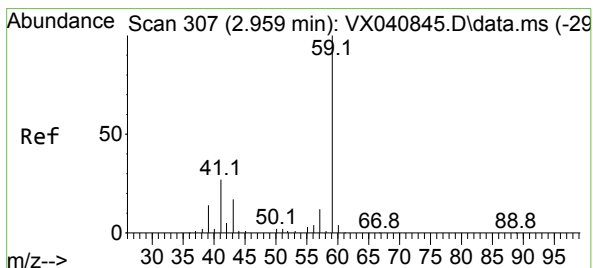
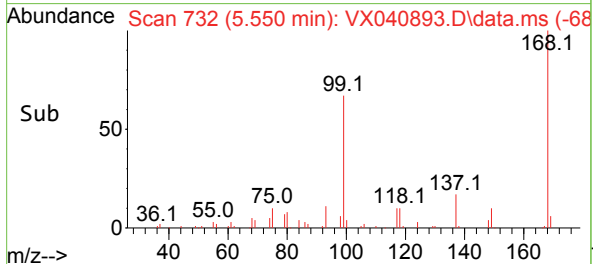
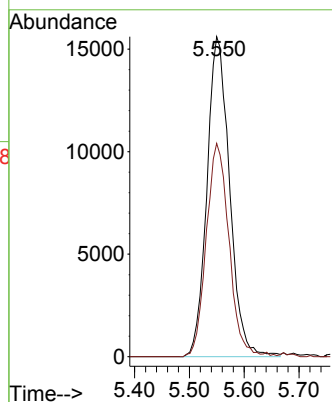


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

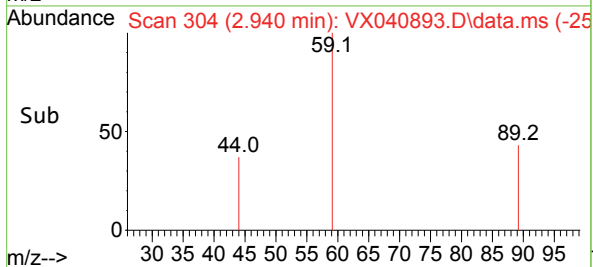
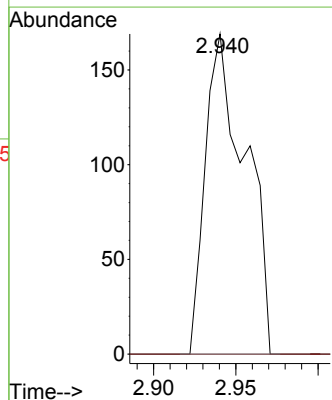
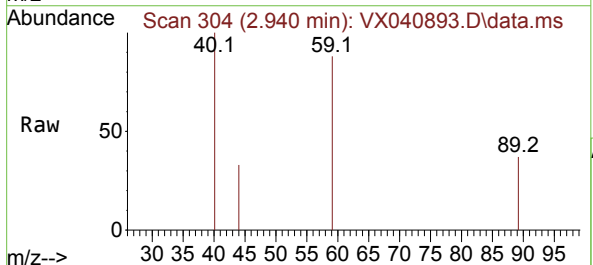


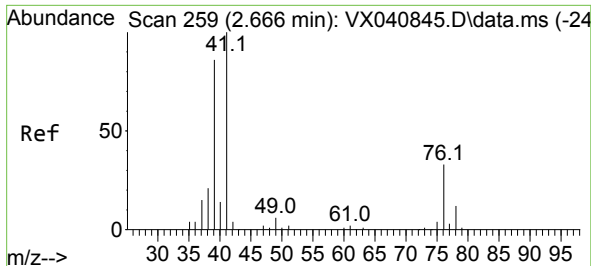
Tgt Ion:168 Resp: 44697
Ion Ratio Lower Upper
168 100
99 66.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.960 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

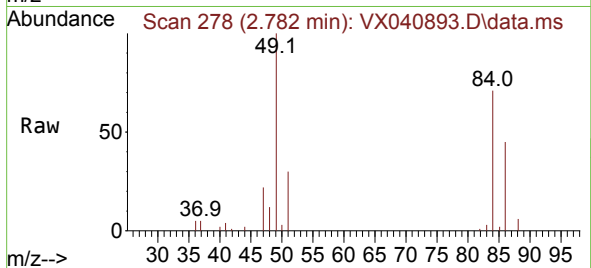
Tgt Ion: 59 Resp: 287
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



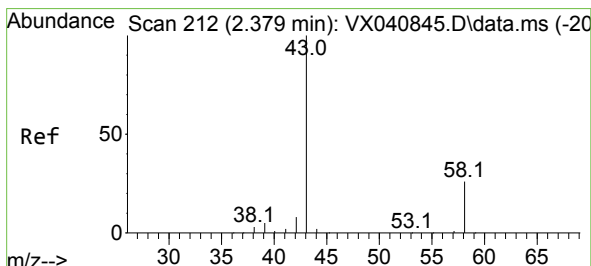
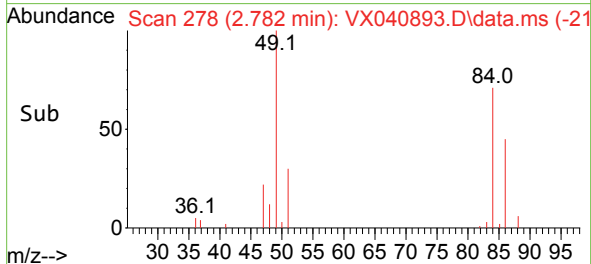
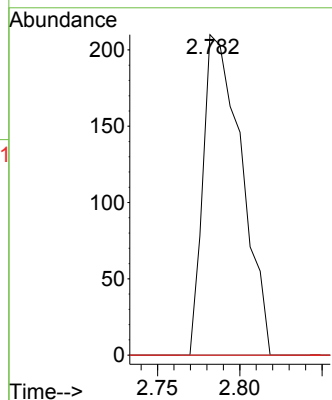


#14
Allyl chloride
Concen: 0.378 ug/l
RT: 2.782 min Scan# 212
Delta R.T. 0.116 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

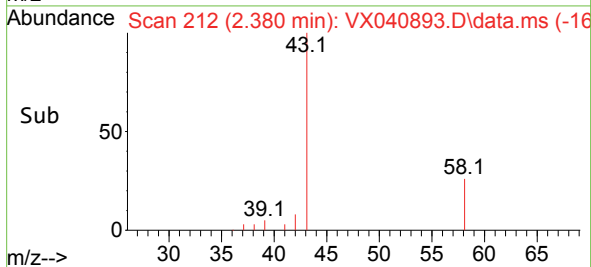
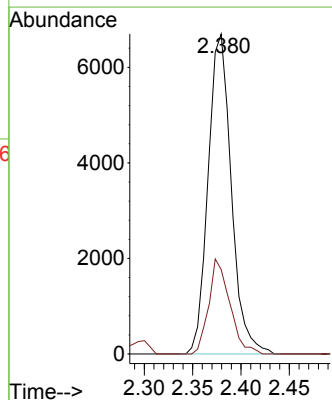
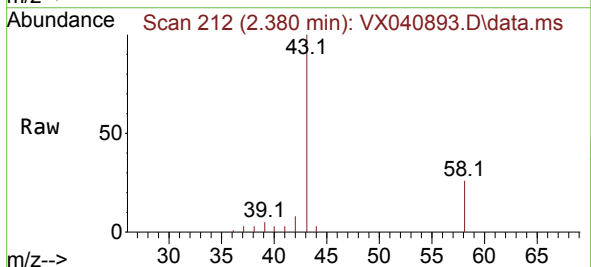


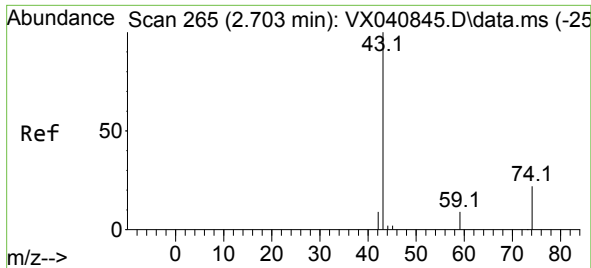
Tgt Ion: 41 Resp: 339
Ion Ratio Lower Upper
41 100
39 0.0 55.8 83.6#
76 0.0 24.3 36.5#



#16
Acetone
Concen: 35.956 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 43 Resp: 11197
Ion Ratio Lower Upper
43 100
58 26.4 21.9 32.9

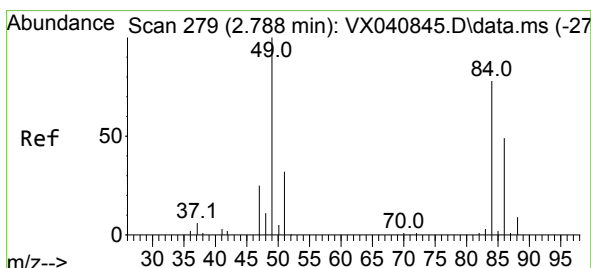
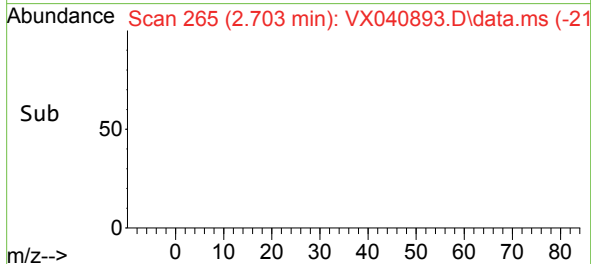
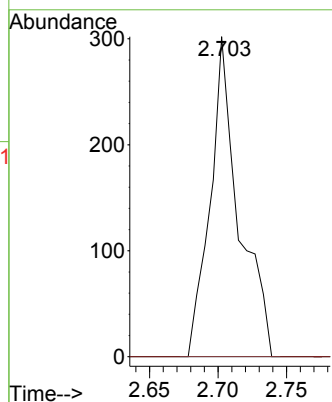
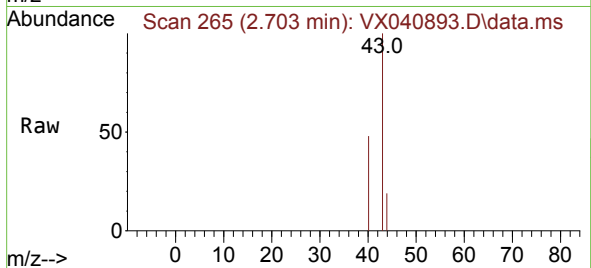




#18
Methyl Acetate
Concen: 0.594 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

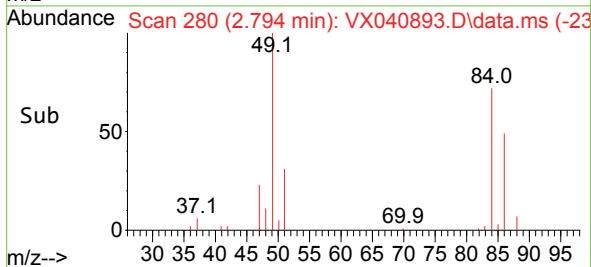
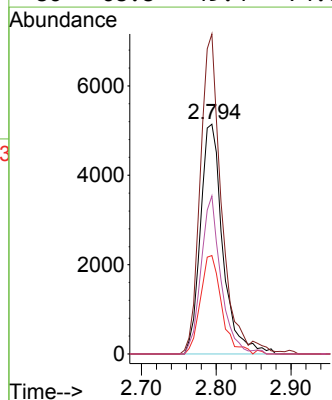
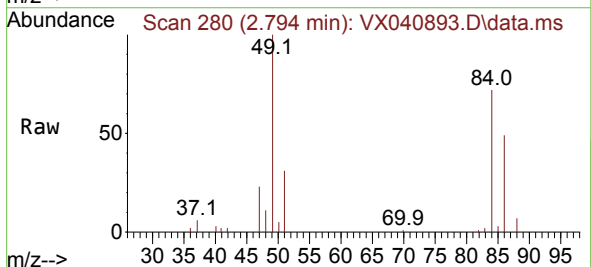
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

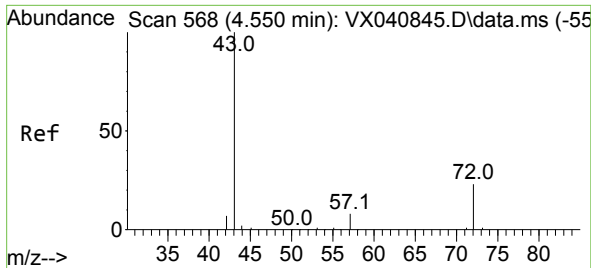
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 18.479 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 84 Resp: 10664
Ion Ratio Lower Upper
84 100
49 139.3 103.6 155.4
51 42.8 33.8 50.6
86 68.8 49.4 74.0

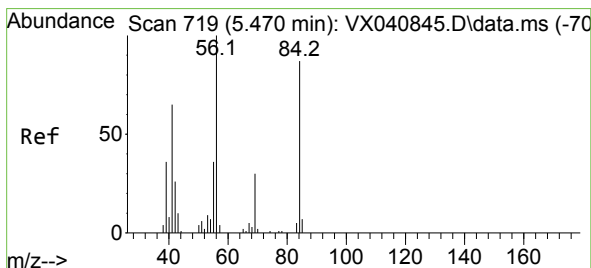
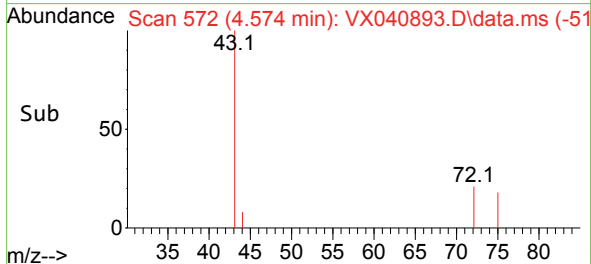
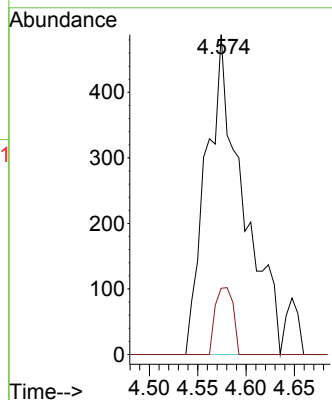
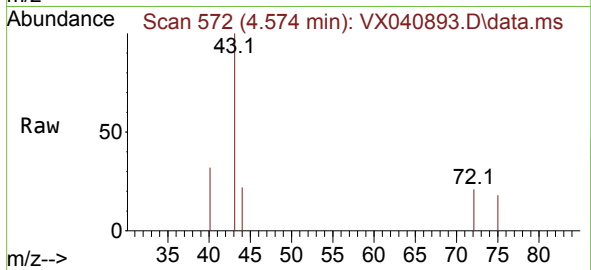




#25
2-Butanone
Concen: 2.767 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

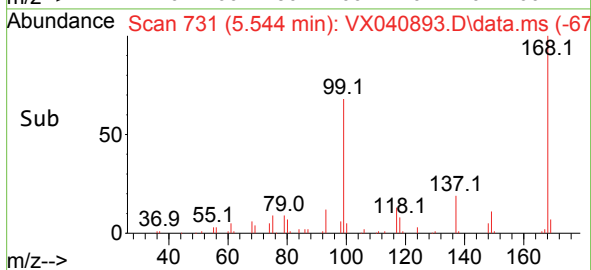
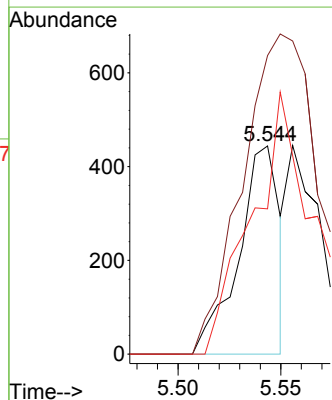
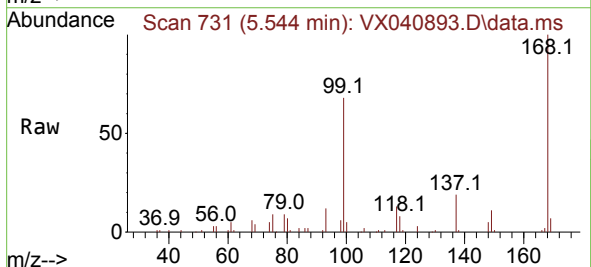
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

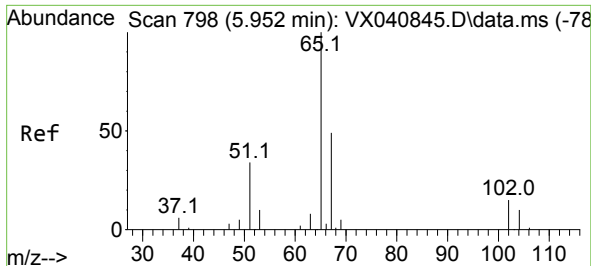
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
72 20.7 19.4 29.2



#31
Cyclohexane
Concen: 0.721 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 56 Resp: 614
Ion Ratio Lower Upper
56 100
69 143.5 23.4 35.2#
84 69.8 65.9 98.9

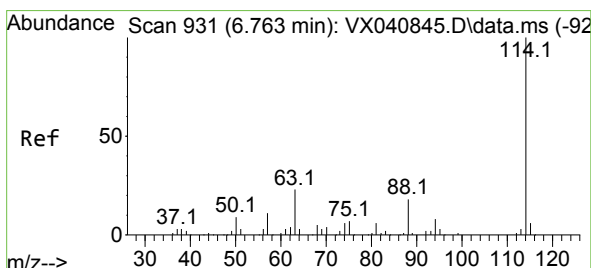
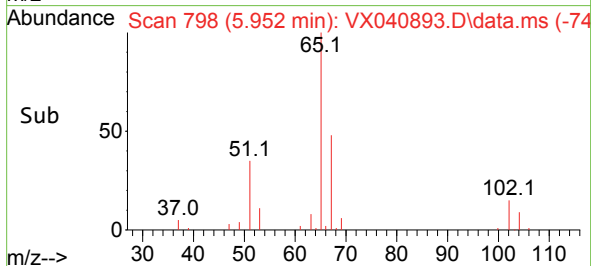
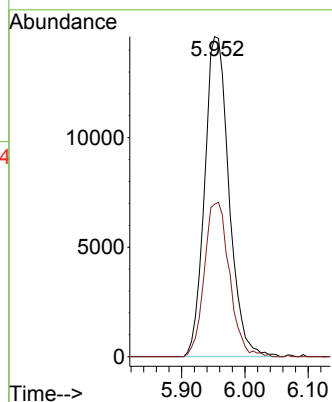
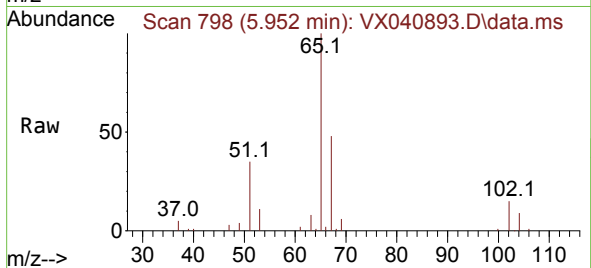




#33
1,2-Dichloroethane-d4
Concen: 48.885 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

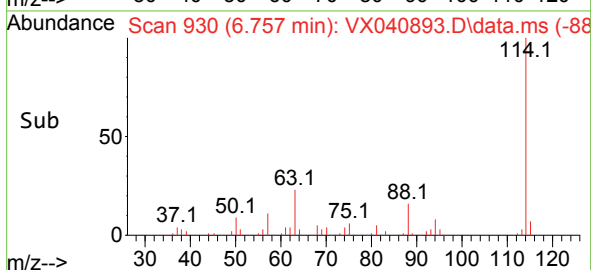
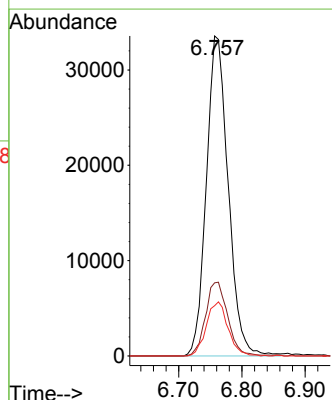
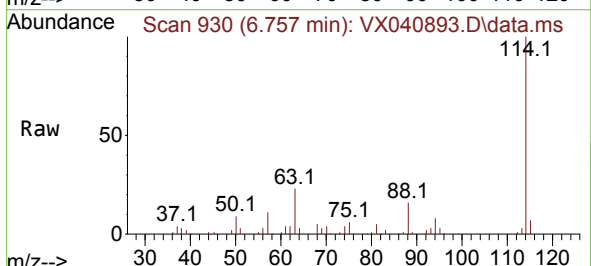
Instrument :
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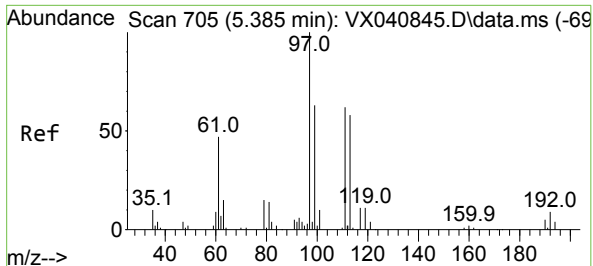
Tgt Ion: 65 Resp: 39205
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion:114 Resp: 80689
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.0
88 15.7 0.0 36.6

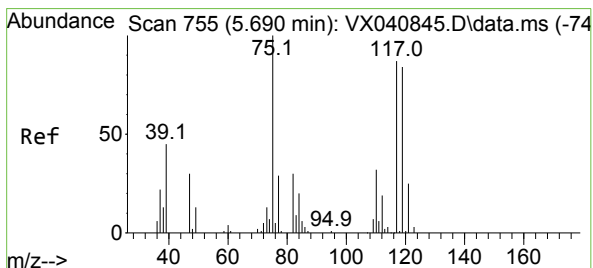
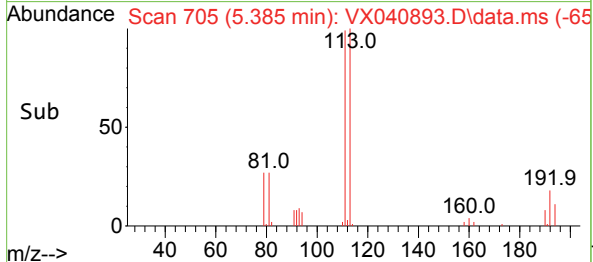
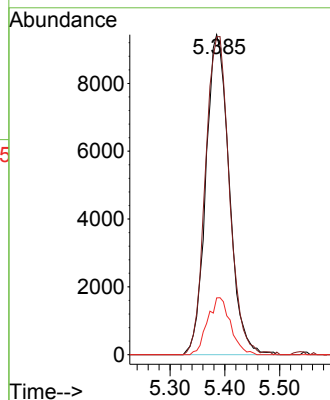
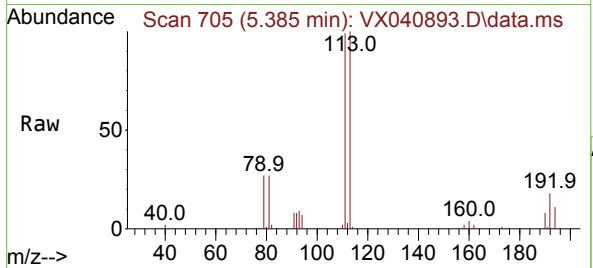




#35
Dibromofluoromethane
Concen: 48.754 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

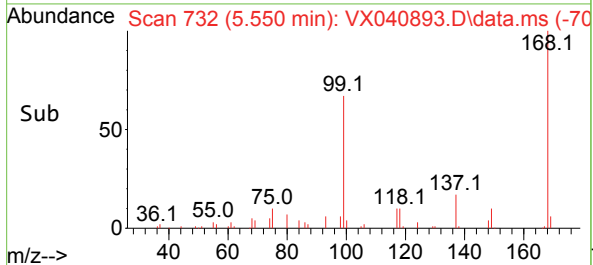
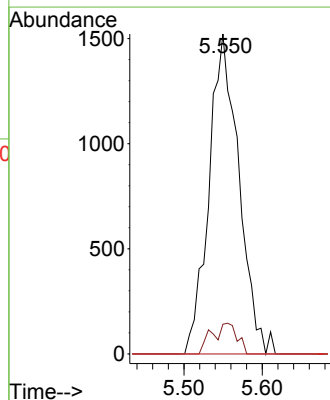
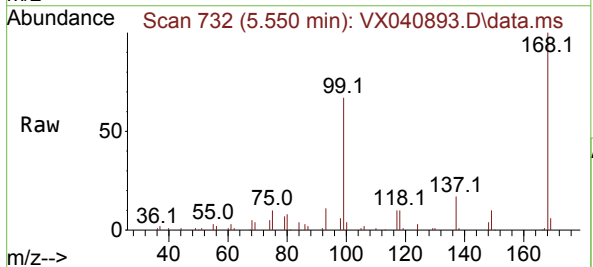
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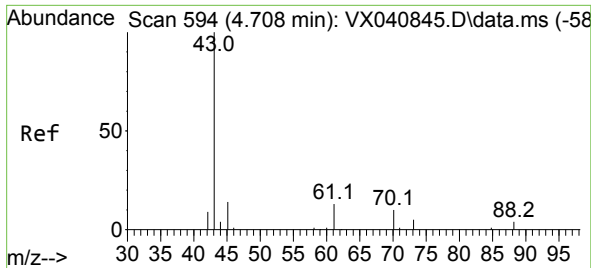
Tgt Ion:113 Resp: 27864
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 75 Resp: 4043
Ion Ratio Lower Upper
75 100
110 8.0 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.909 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.018 min

Lab File: VX040893.D

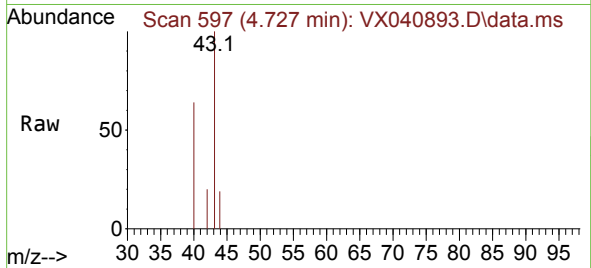
Acq: 05 Apr 2024 11:13

Instrument :

MSVOA_X

ClientSampleId :

PB160019ZHE#01



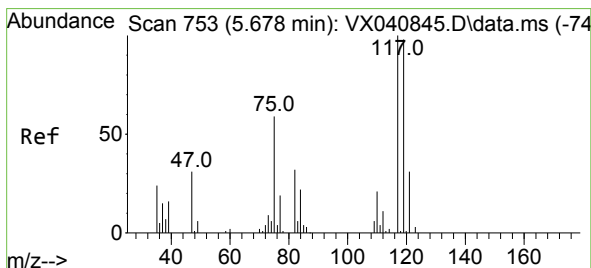
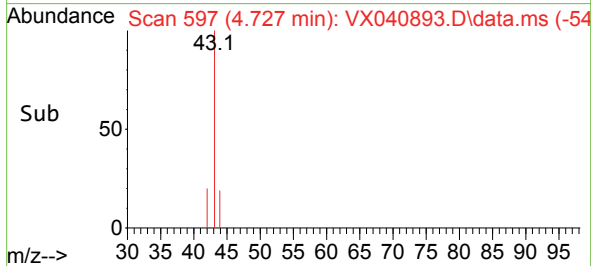
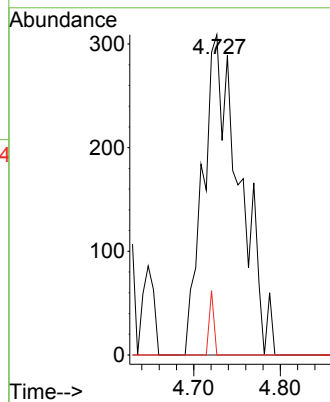
Tgt Ion: 43 Resp: 906

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 2.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.604 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX040893.D

Acq: 05 Apr 2024 11:13

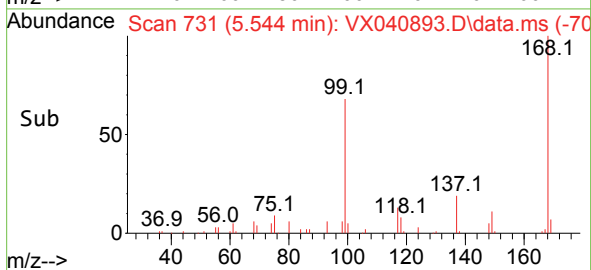
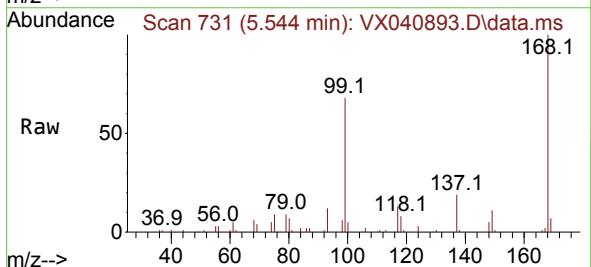
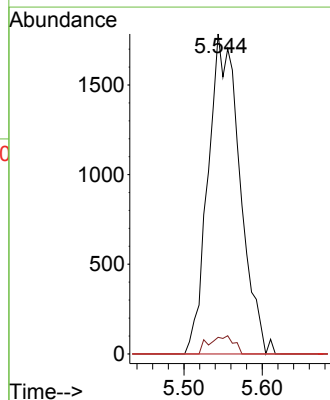
Tgt Ion: 117 Resp: 5038

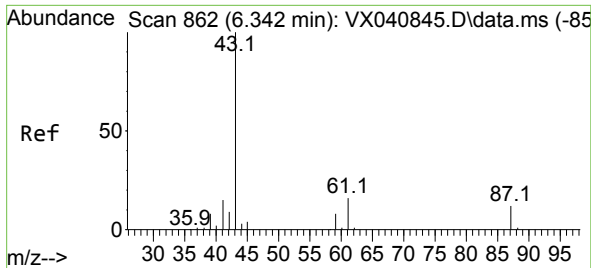
Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

121 0.0 24.4 36.6#

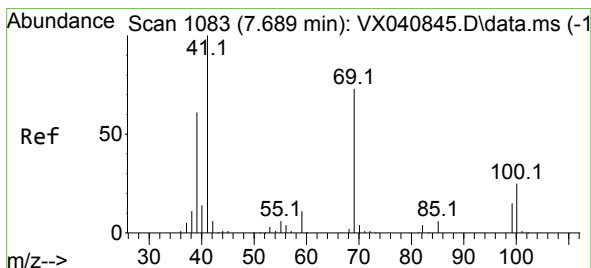
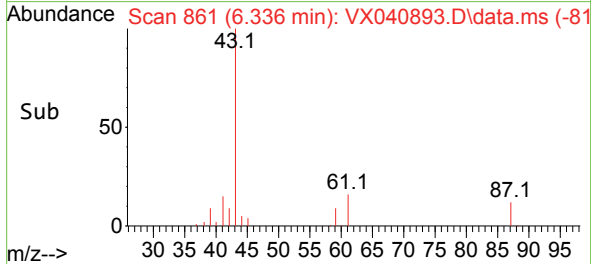
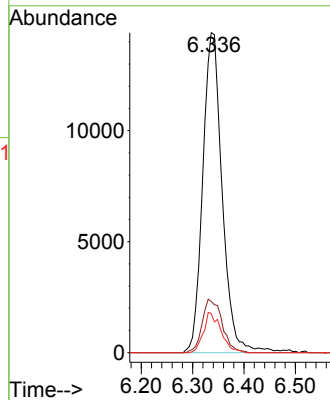
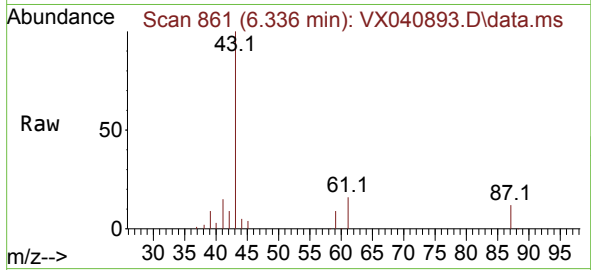




#43
Isopropyl Acetate
Concen: 24.610 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

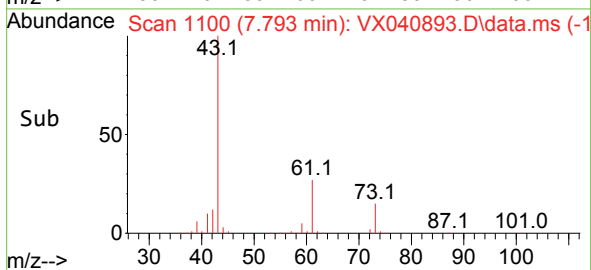
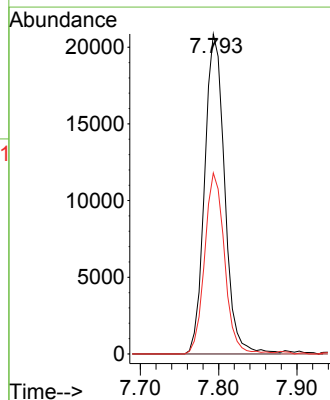
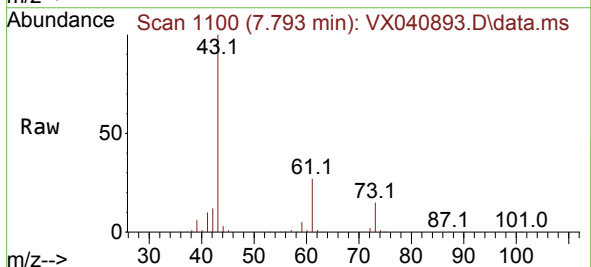
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

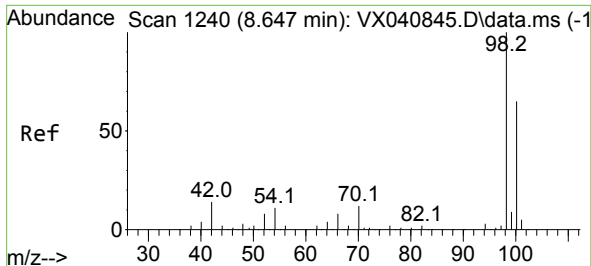
Tgt Ion: 43 Resp: 37899
Ion Ratio Lower Upper
43 100
61 17.1 15.2 22.8
87 11.3 9.8 14.6



#48
Methyl methacrylate
Concen: 48.982 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 41 Resp: 36938
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 56.3 47.7 71.5

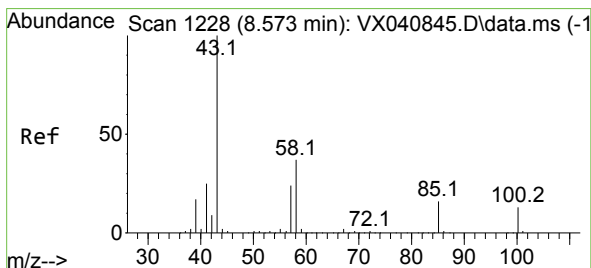
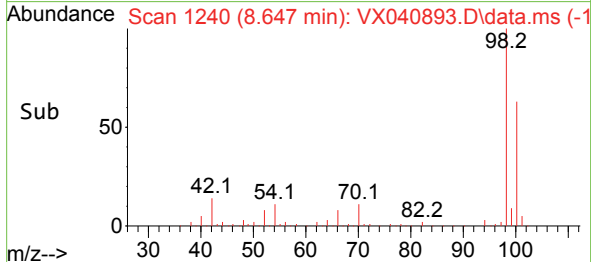
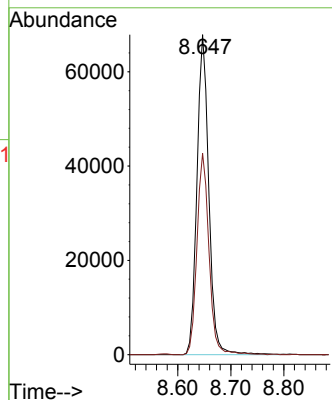
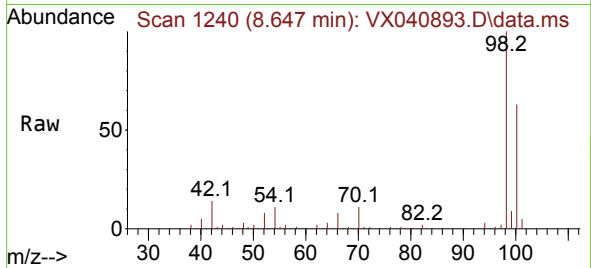




#50
Toluene-d8
Concen: 50.984 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

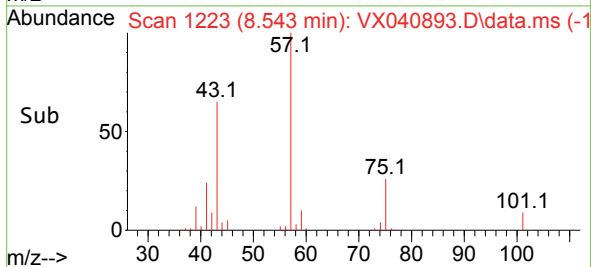
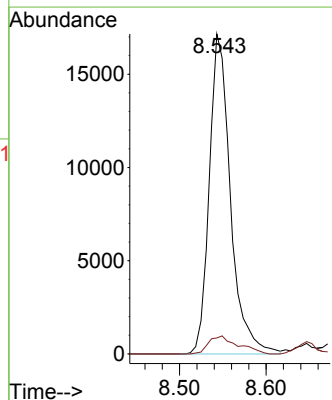
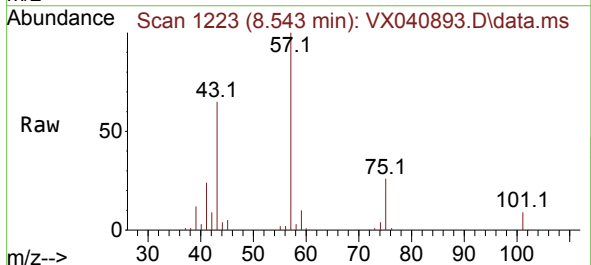
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

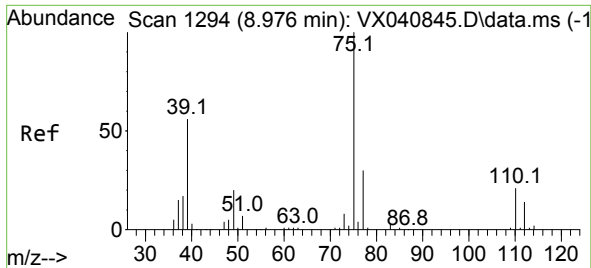
Tgt Ion: 98 Resp: 105290
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 28.510 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 43 Resp: 29122
Ion Ratio Lower Upper
43 100
58 7.9 30.4 45.6#

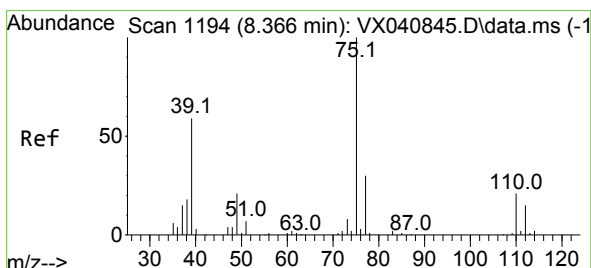
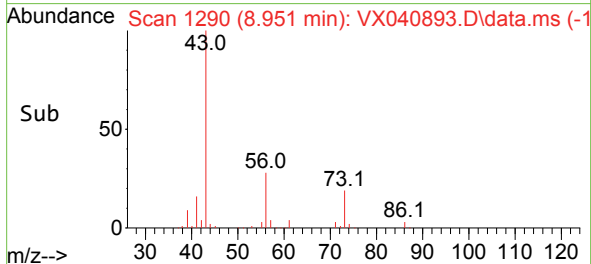
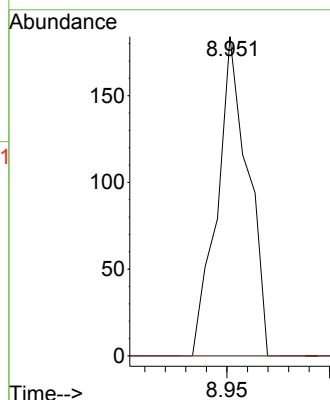
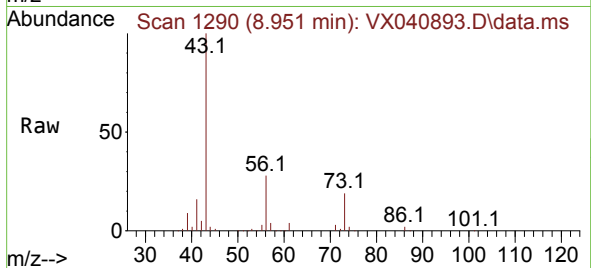




#53
 t-1,3-Dichloropropene
 Concen: 0.954 ug/l
 RT: 8.951 min Scan# 1124
 Delta R.T. -0.025 min
 Lab File: VX040893.D
 Acq: 05 Apr 2024 11:13

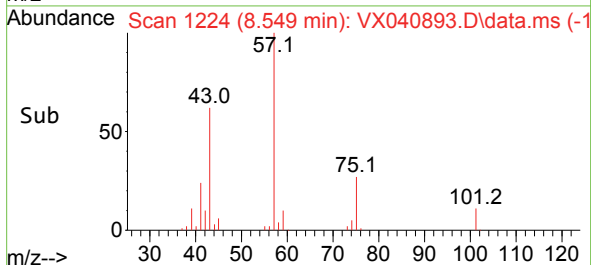
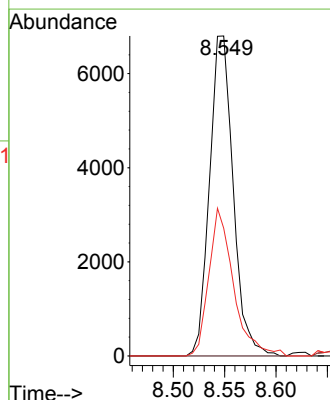
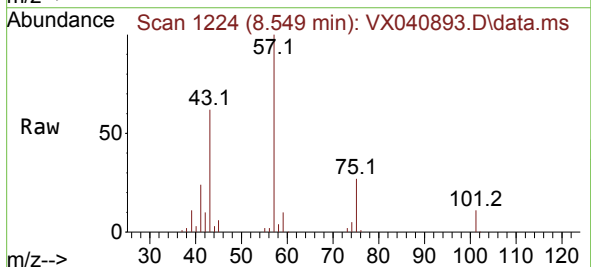
Instrument :
 MSVOA_X
 ClientSampleId :
 PB160019ZHE#01

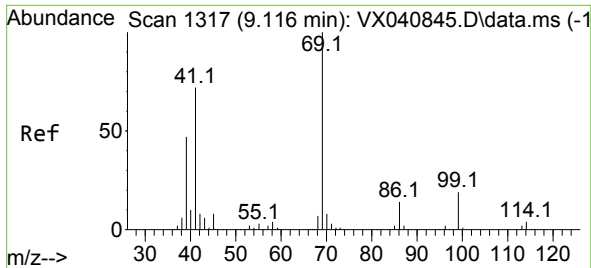
Tgt Ion: 75 Resp: 192
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.977 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX040893.D
 Acq: 05 Apr 2024 11:13

Tgt Ion: 75 Resp: 10897
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 39.9 46.7 70.1#

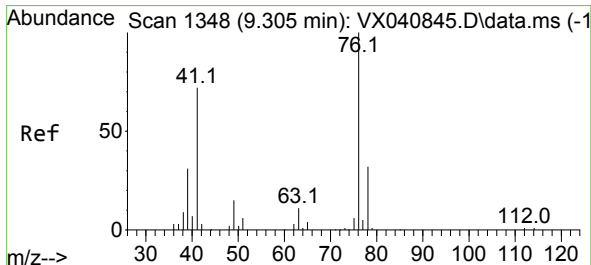
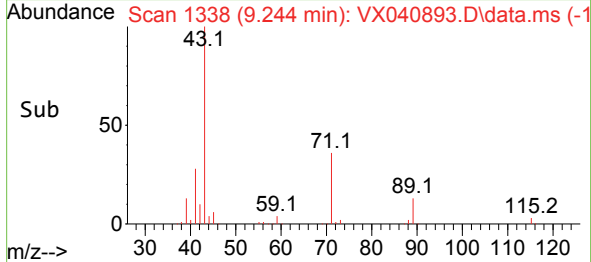
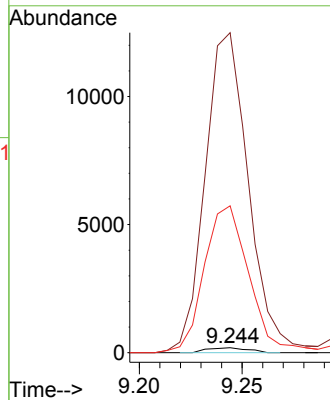
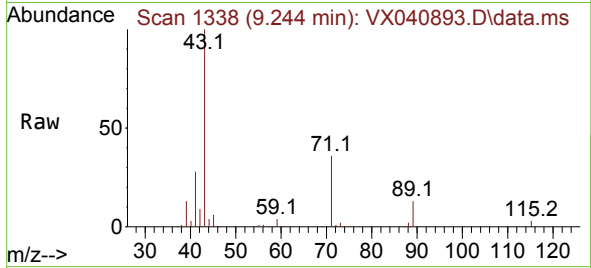




#56
Ethyl methacrylate
Concen: 0.277 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

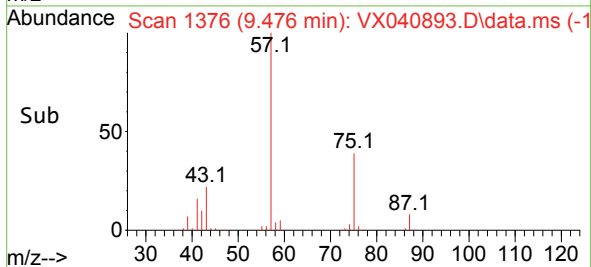
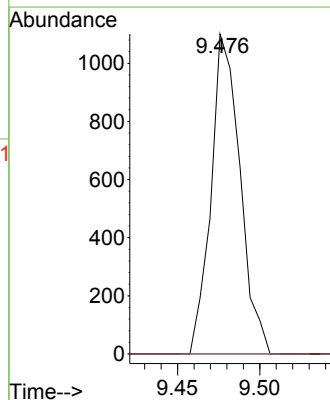
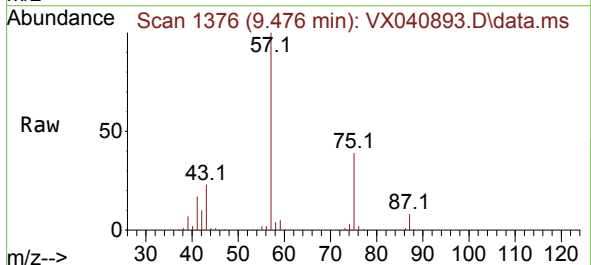
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

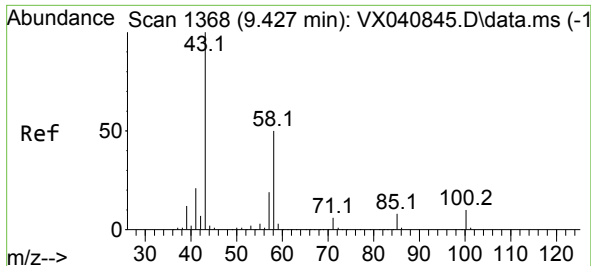
Tgt Ion: 69 Resp: 264
Ion Ratio Lower Upper
69 100
41 6969.3 56.8 85.2#
39 3303.0 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.392 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 76 Resp: 1351
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

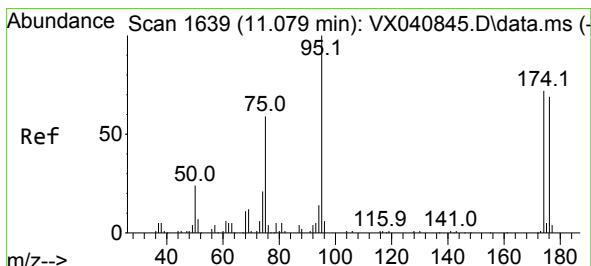
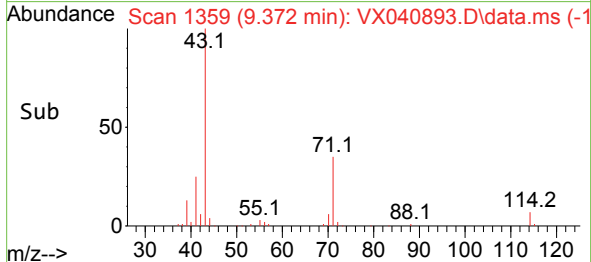
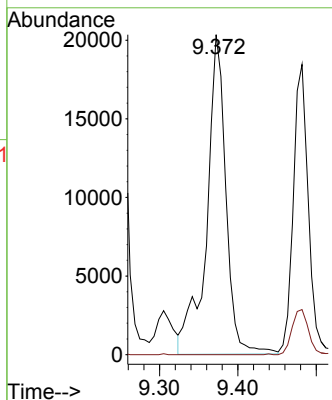
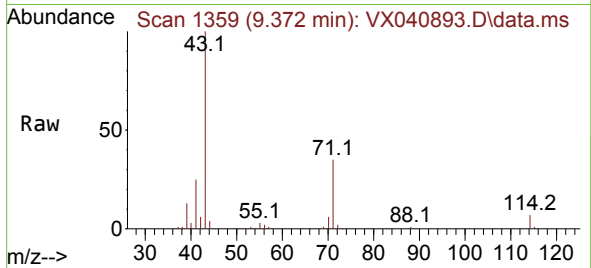




#59
2-Hexanone
Concen: 42.379 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

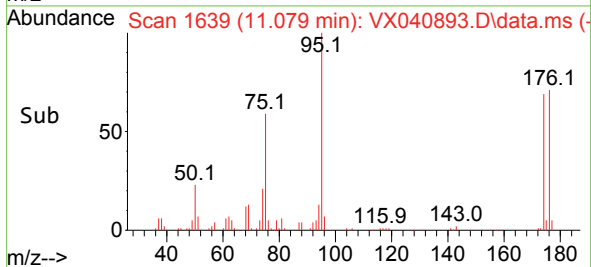
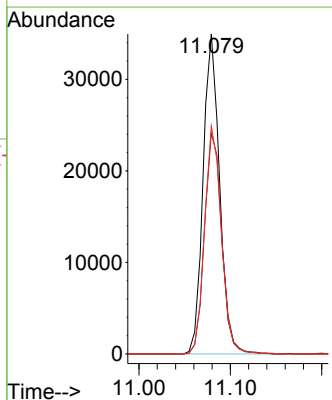
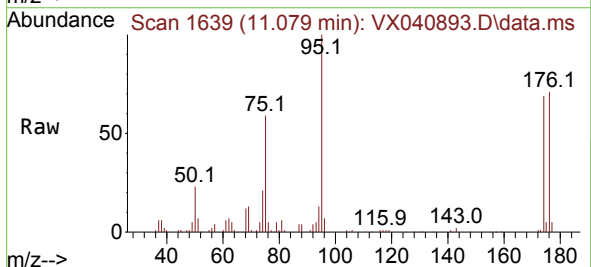
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

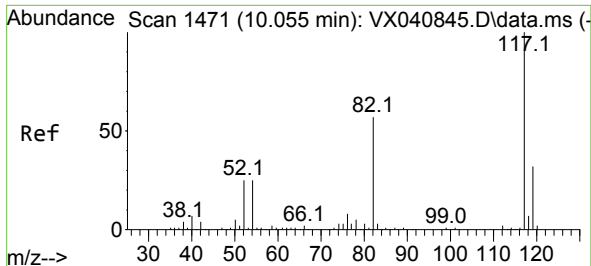
Tgt Ion: 43 Resp: 34718
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.964 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion: 95 Resp: 43680
Ion Ratio Lower Upper
95 100
174 72.4 0.0 135.6
176 72.4 0.0 131.0

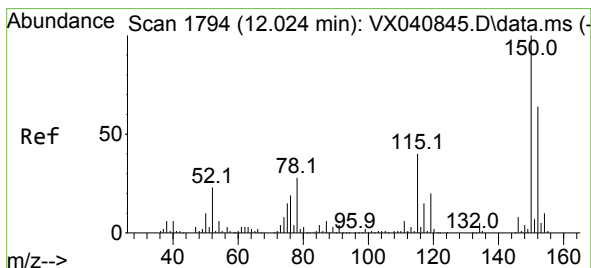
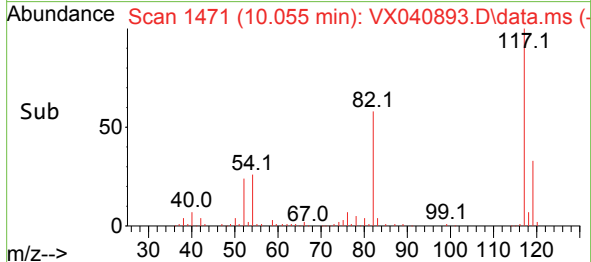
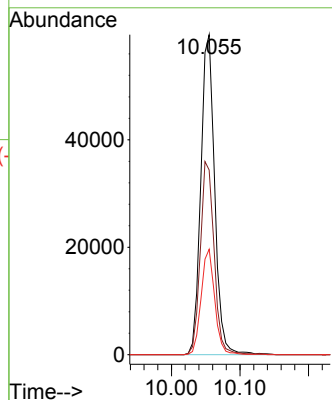
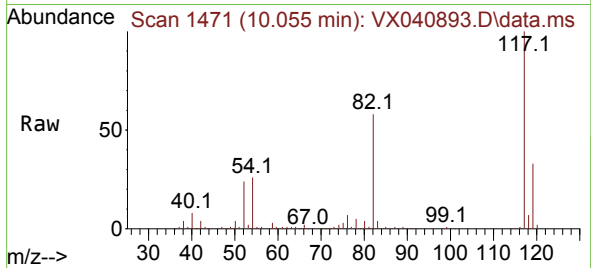




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

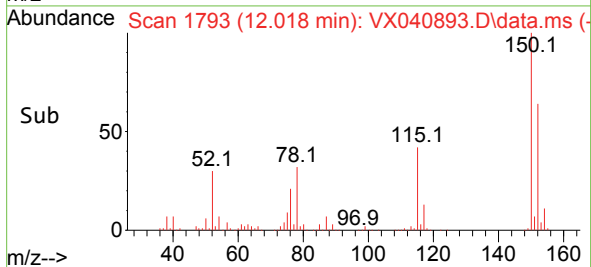
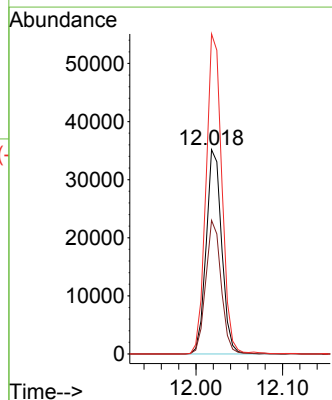
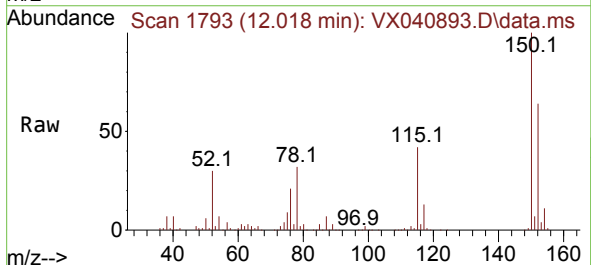
Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01

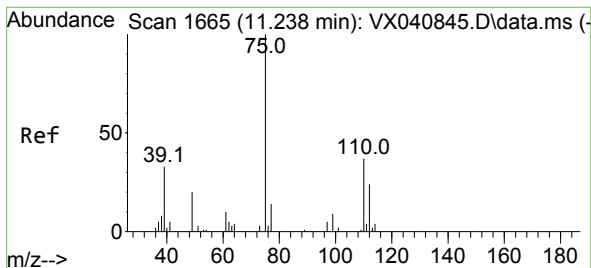
Tgt Ion:117 Resp: 84173
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion:152 Resp: 43818
Ion Ratio Lower Upper
152 100
115 64.6 43.3 129.9
150 159.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 28.043 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040893.D

Acq: 05 Apr 2024 11:13

Instrument :

MSVOA_X

ClientSampleId :

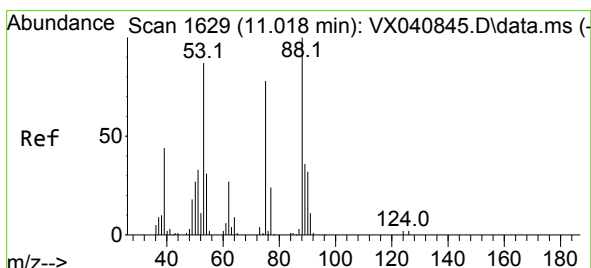
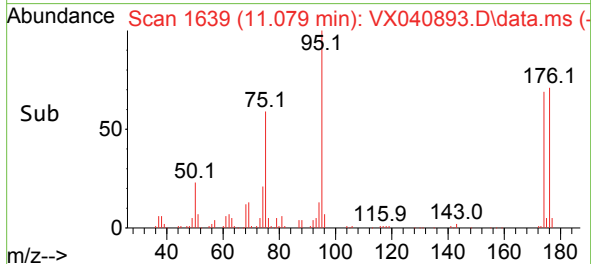
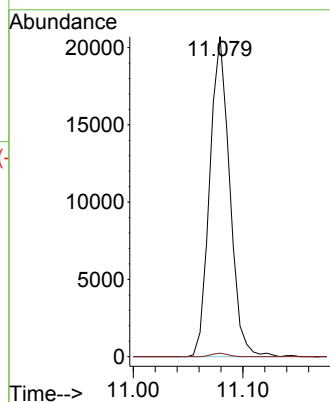
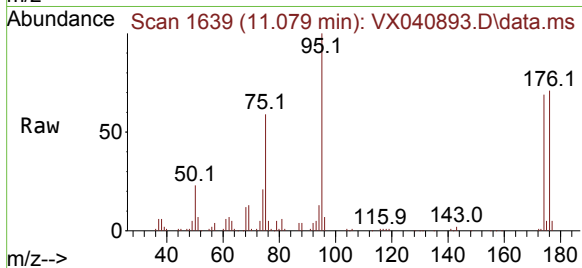
PB160019ZHE#01

Tgt Ion: 75 Resp: 26203

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.662 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040893.D

Acq: 05 Apr 2024 11:13

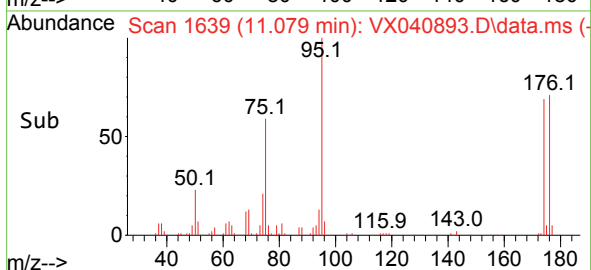
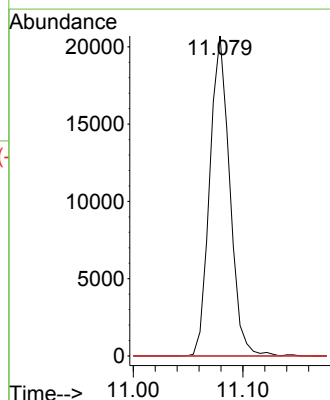
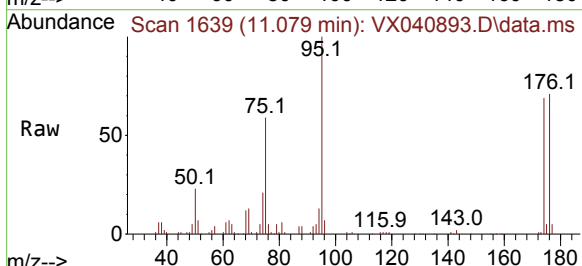
Tgt Ion: 75 Resp: 26203

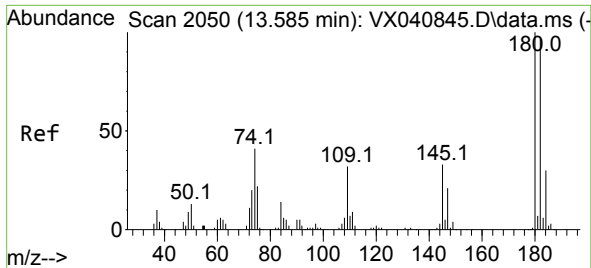
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

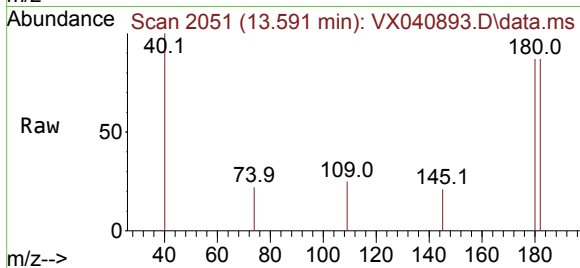
89 0.0 36.9 55.3#



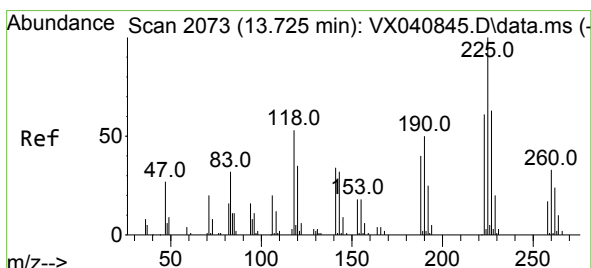
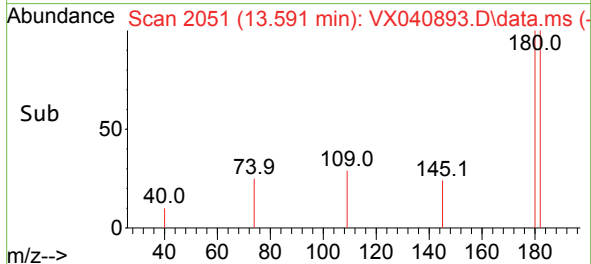
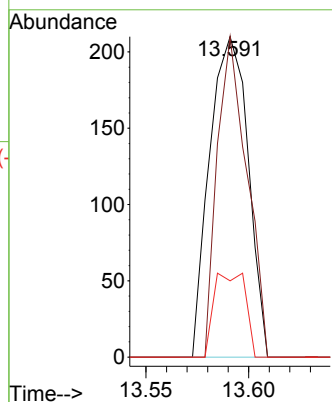


#93
1,2,4-Trichlorobenzene
Concen: 0.278 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Instrument :
MSVOA_X
ClientSampleId :
PB160019ZHE#01



Tgt Ion:180 Resp: 274
Ion Ratio Lower Upper
180 100
182 77.0 48.3 144.8
145 21.5 18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.252 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX040893.D
Acq: 05 Apr 2024 11:13

Tgt Ion:225 Resp: 95
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 53.7 32.5 97.5

