

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025557.D
 Acq On : 06 Dec 2021 18:27
 Operator : JC/MD
 Sample : PB141182ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141182ZHE#07

Quant Time: Dec 07 06:04:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

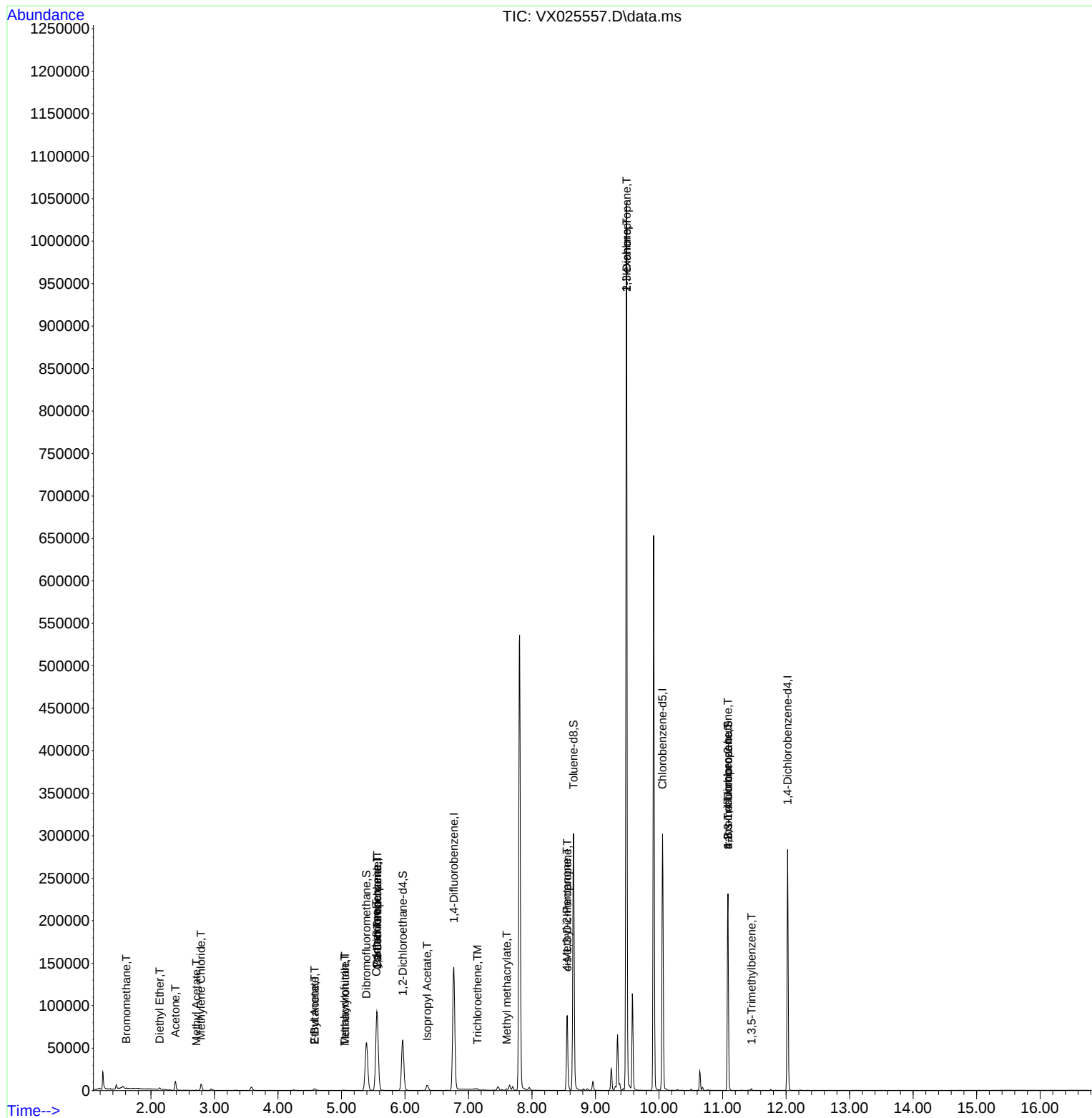
Internal Standards						
1) Pentafluorobenzene	5.556	168	93479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	154110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55644	56.472	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 112.940%	
35) Dibromofluoromethane	5.391	113	48499	51.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.580%	
50) Toluene-d8	8.653	98	178283	50.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.300%	
62) 4-Bromofluorobenzene	11.085	95	59313	44.100	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	349	0.737	ug/l	89
8) Diethyl Ether	2.136	74	597	0.885	ug/l	55
11) Tert butyl alcohol	2.959	59	1469	Below Cal	#	72
16) Acetone	2.386	43	10726	19.590	ug/l	93
18) Methyl Acetate	2.715	43	584	0.334	ug/l #	86
20) Methylene Chloride	2.788	84	3436	3.338	ug/l	97
25) 2-Butanone	4.574	43	3197	4.039	ug/l	90
29) Tetrahydrofuran	5.050	42	352	0.718	ug/l #	52
31) Cyclohexane	5.550	56	1920	1.261	ug/l #	49
36) 1,1-Dichloropropene	5.562	75	6498	4.833	ug/l #	50
37) Ethyl Acetate	4.574	43	3197	2.090	ug/l #	68
38) Carbon Tetrachloride	5.562	117	9207	6.217	ug/l #	15
41) Methacrylonitrile	5.056	41	195	0.230	ug/l #	23
43) Isopropyl Acetate	6.348	43	8613	3.383	ug/l	99
44) Trichloroethene	7.141	130	547	0.462	ug/l	49
48) Methyl methacrylate	7.604	41	2603	2.179	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	31340	19.632	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	14670	8.528	ug/l #	64
57) 1,3-Dichloropropane	9.488	76	8936	5.101	ug/l #	42
59) 2-Hexanone	9.488	43	117409	93.289	ug/l #	53
76) 1,2,3-Trichloropropane	11.085	75	29348	24.476	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1096	0.312	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.085	75	29348	61.660	ug/l #	9
95) Naphthalene	13.780	128	105	Below Cal	#	69

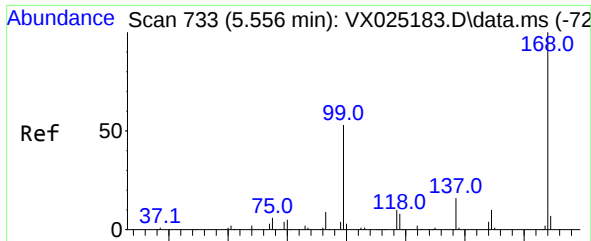
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
PB141182ZHE#07

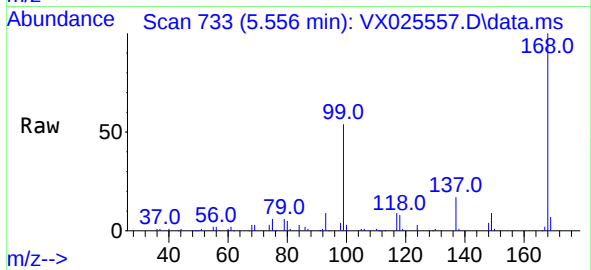
Quant Time: Dec 07 06:04:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
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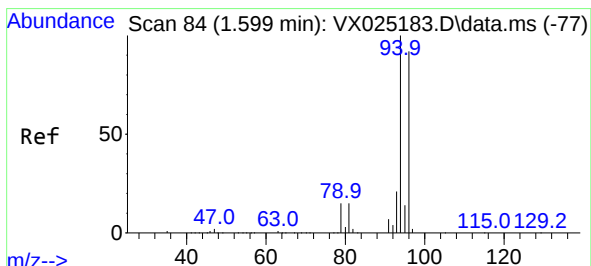
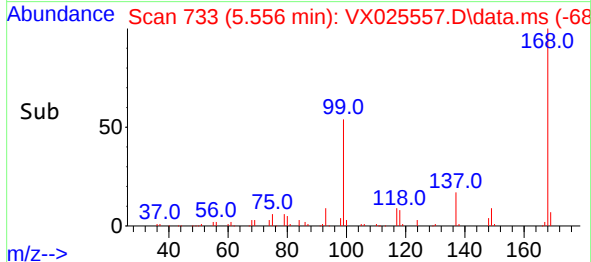
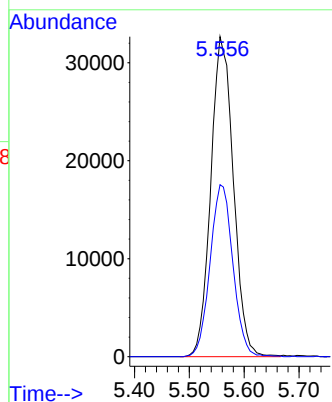


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

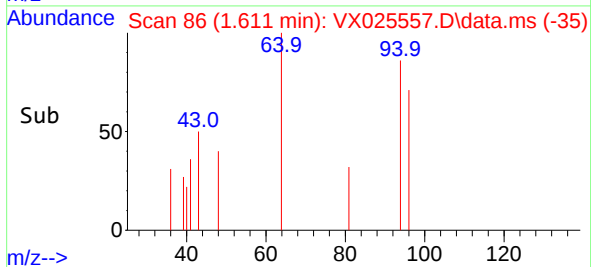
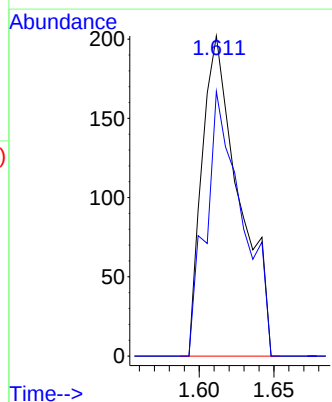
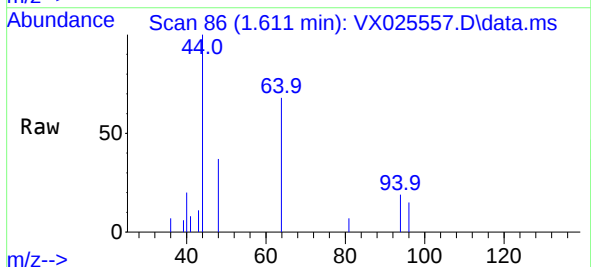


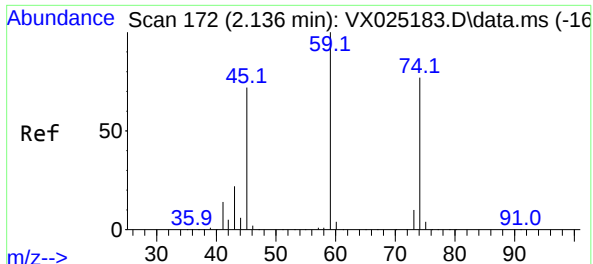
Tgt Ion:168 Resp: 93479
Ion Ratio Lower Upper
168 100
99 53.8 46.4 69.6



#5
Bromomethane
Concen: 0.737 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
96 82.7 74.8 112.2

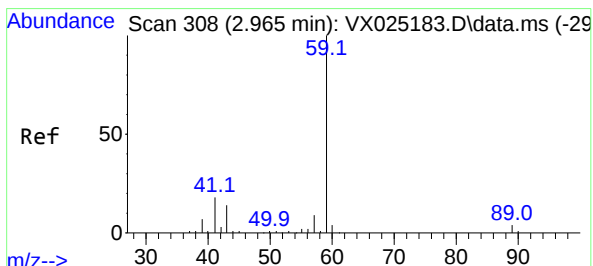
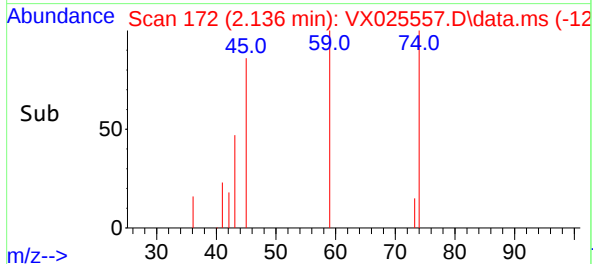
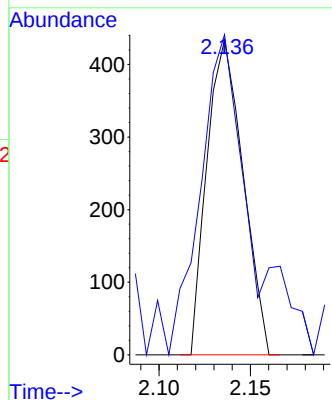
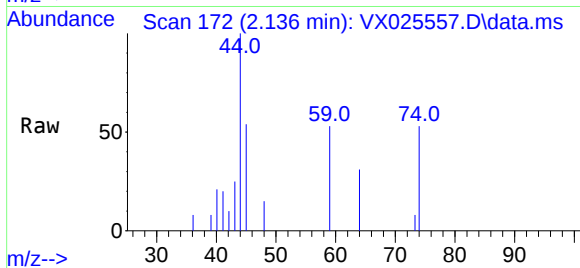




#8
Diethyl Ether
Concen: 0.885 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

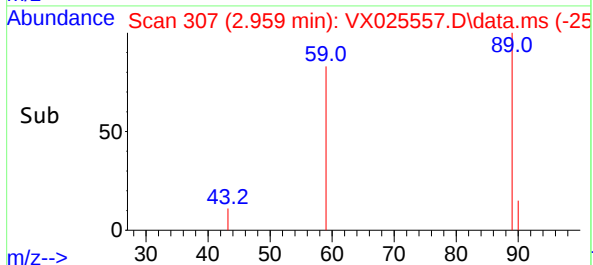
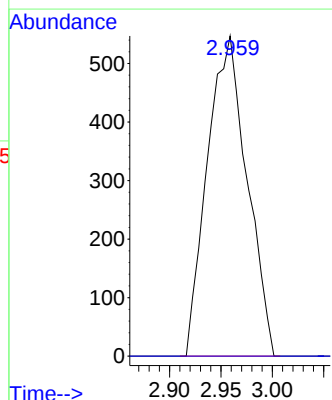
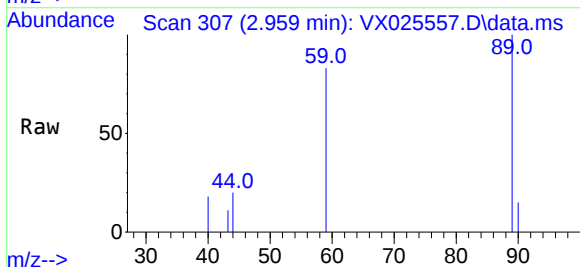
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

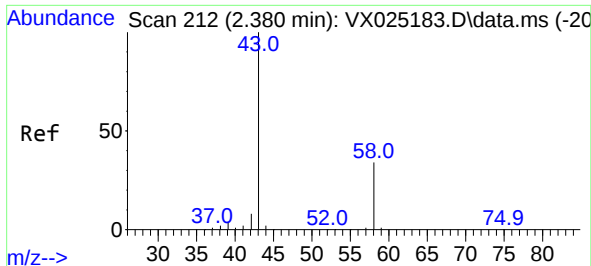
Tgt Ion: 74 Resp: 597
Ion Ratio Lower Upper
74 100
45 138.9 47.6 142.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 59 Resp: 1469
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

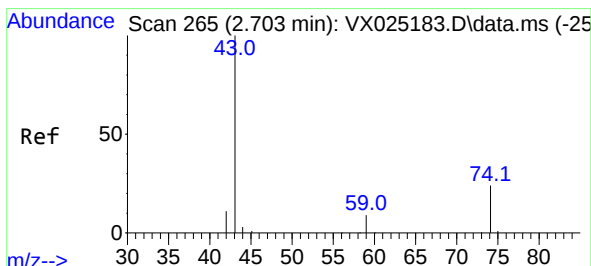
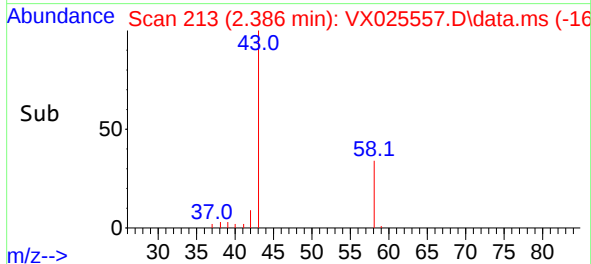
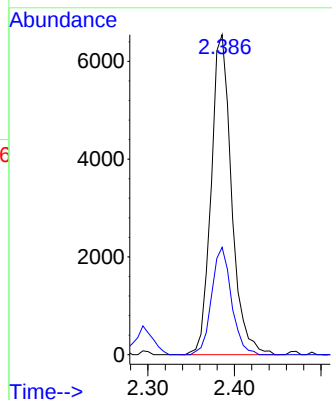
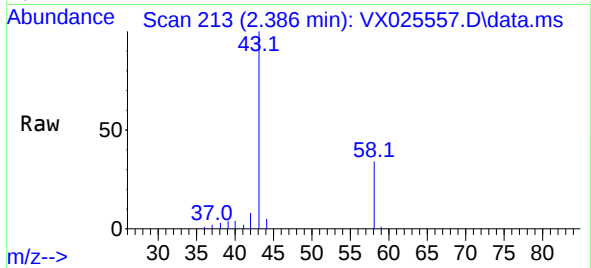




#16
Acetone
Concen: 19.590 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

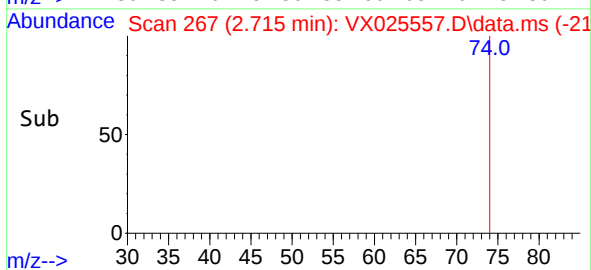
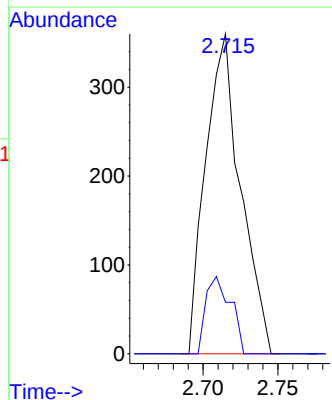
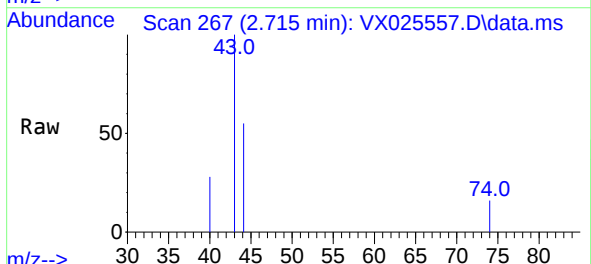
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

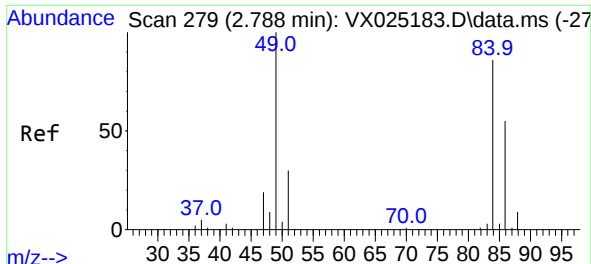
Tgt Ion: 43 Resp: 10726
Ion Ratio Lower Upper
43 100
58 33.5 24.0 36.0



#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
74 17.1 19.0 28.6#



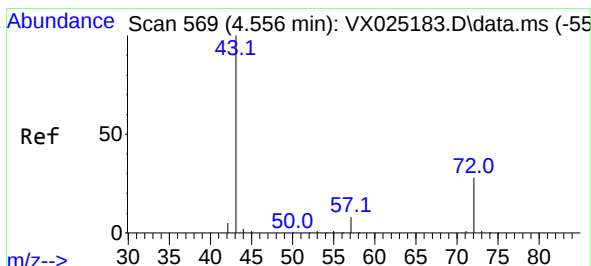
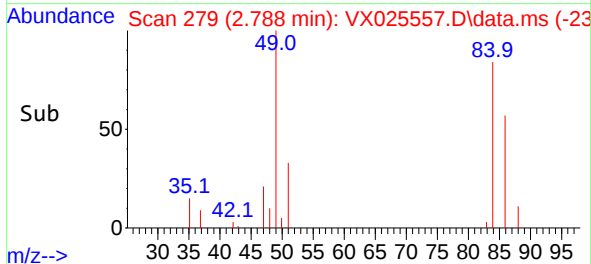
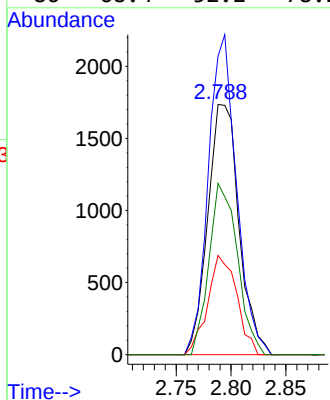
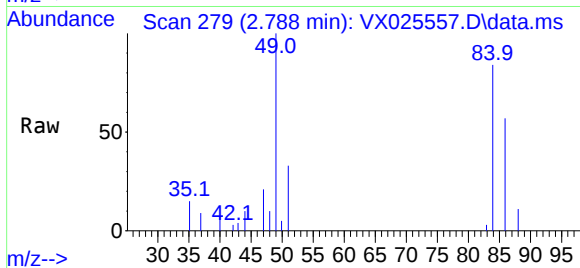


#20
Methylene Chloride
Concen: 3.338 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

Tgt Ion: 84 Resp: 3436

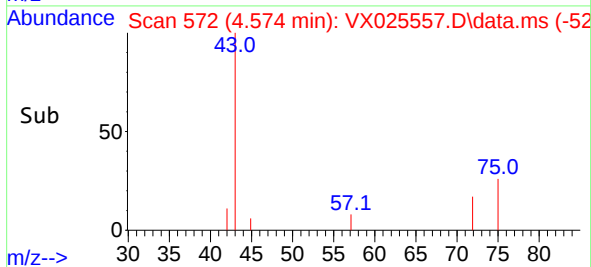
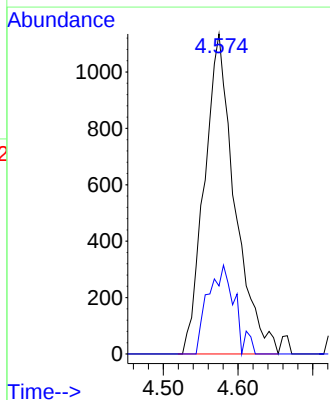
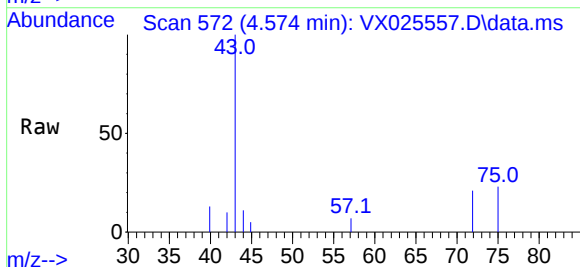
Ion	Ratio	Lower	Upper
84	100		
49	119.3	98.2	147.2
51	39.6	30.2	45.4
86	68.4	52.2	78.2

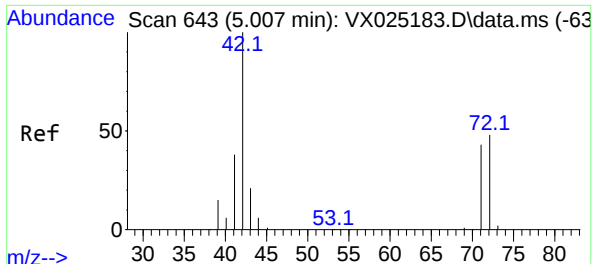


#25
2-Butanone
Concen: 4.039 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 43 Resp: 3197

Ion	Ratio	Lower	Upper
43	100		
72	21.2	21.2	31.8





#29

Tetrahydrofuran

Concen: 0.718 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.043 min

Lab File: VX025557.D

Acq: 06 Dec 2021 18:27

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#07

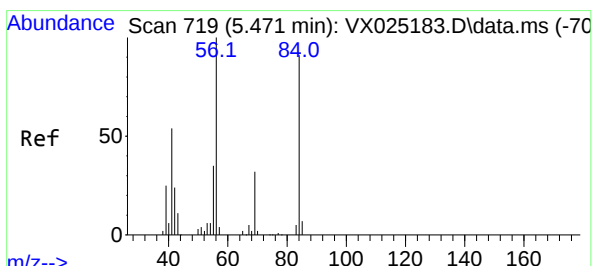
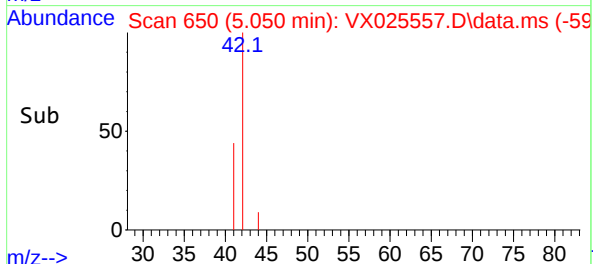
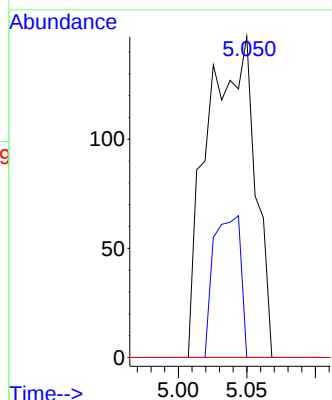
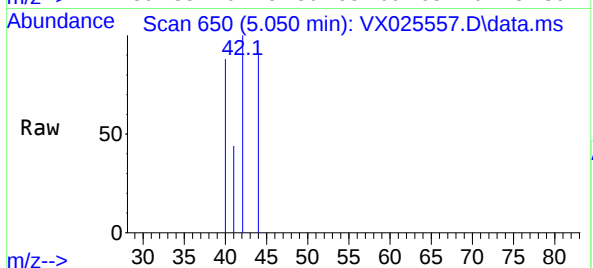
Tgt Ion: 42 Resp: 352

Ion Ratio Lower Upper

42 100

72 25.3 36.1 54.1#

71 0.0 33.7 50.5#



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX025557.D

Acq: 06 Dec 2021 18:27

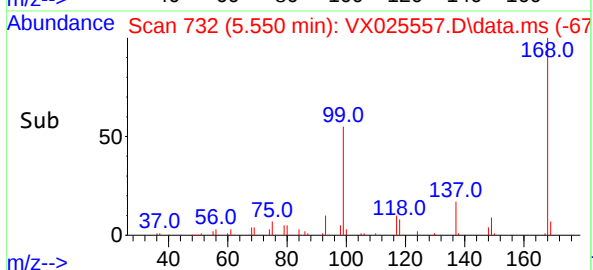
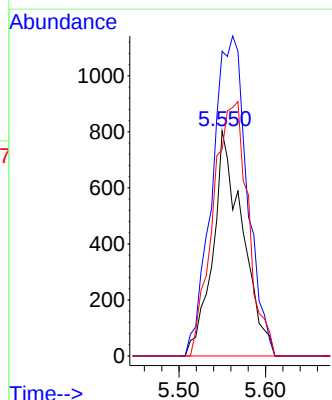
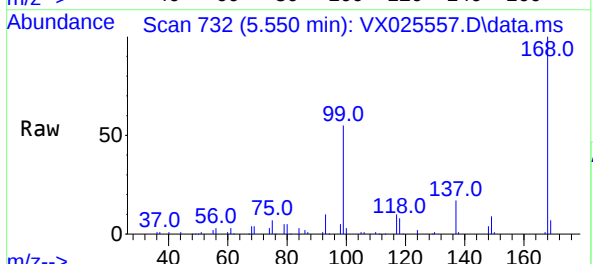
Tgt Ion: 56 Resp: 1920

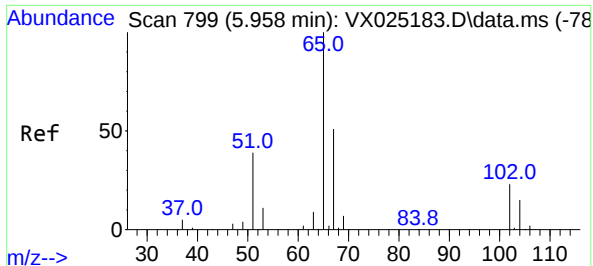
Ion Ratio Lower Upper

56 100

69 135.4 24.2 36.2#

84 91.8 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 56.472 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025557.D

Acq: 06 Dec 2021 18:27

Instrument :

MSVOA_X

ClientSampleId :

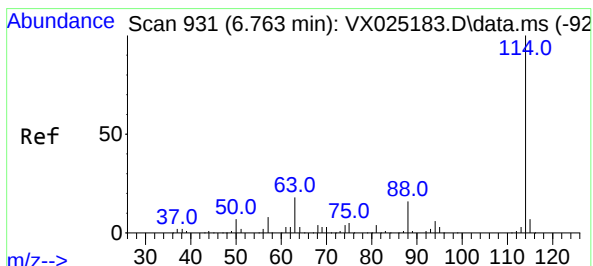
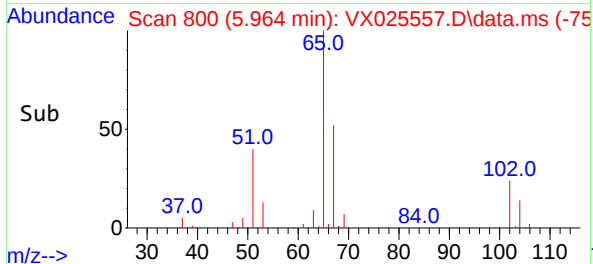
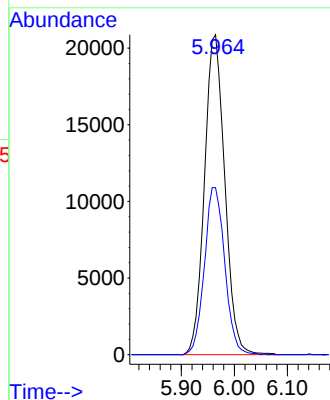
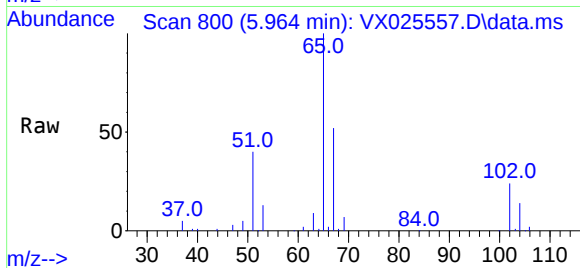
PB141182ZHE#07

Tgt Ion: 65 Resp: 55644

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX025557.D

Acq: 06 Dec 2021 18:27

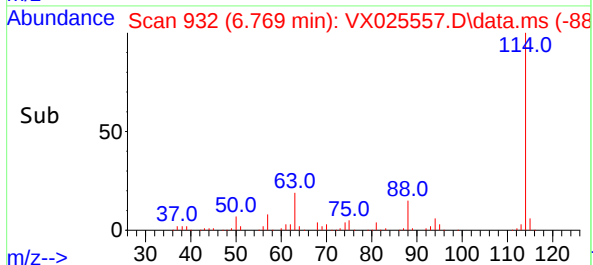
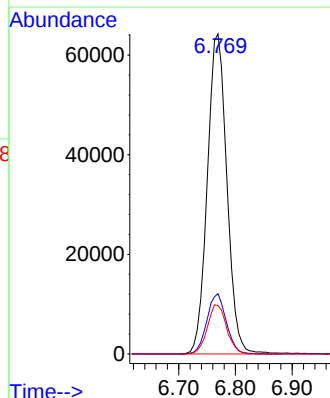
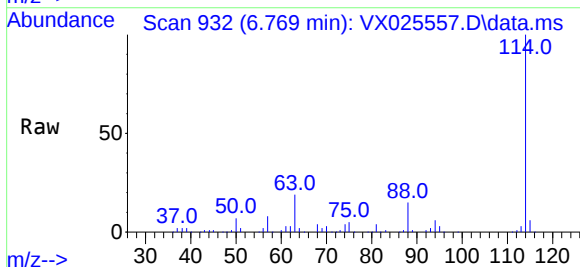
Tgt Ion:114 Resp: 154110

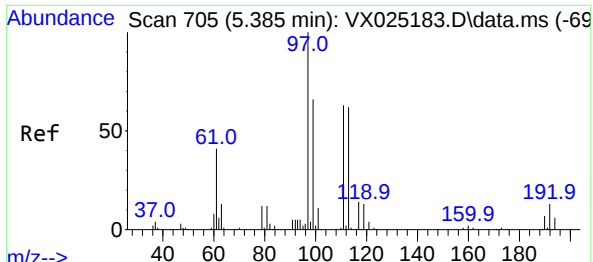
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.0

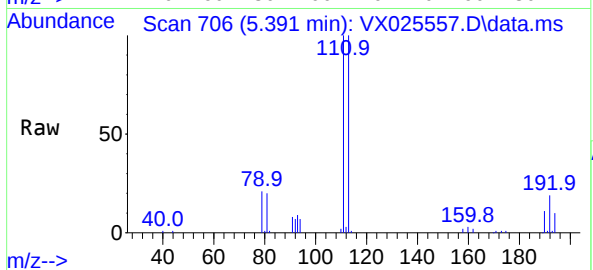
88 15.1 0.0 34.8



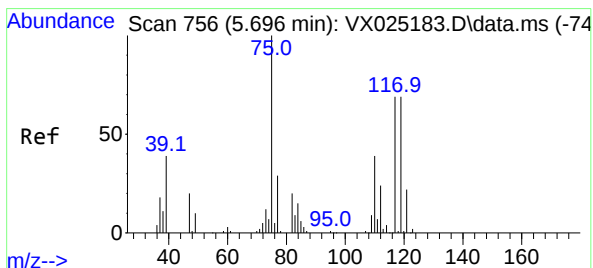
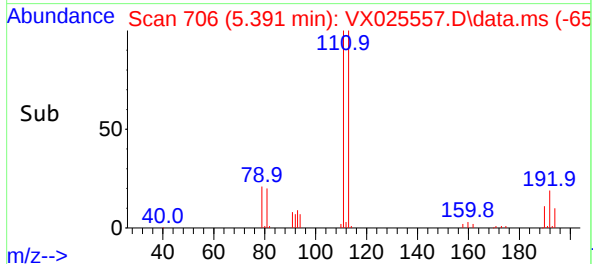
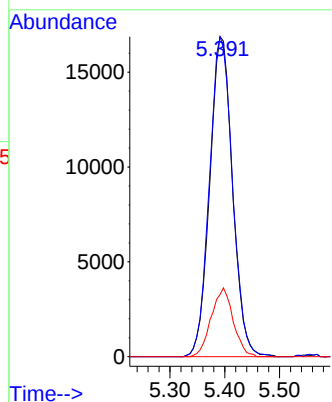


#35
Dibromofluoromethane
Concen: 51.291 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

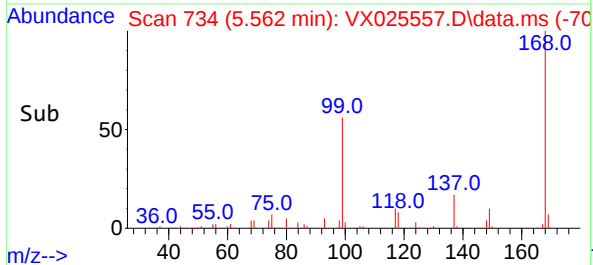
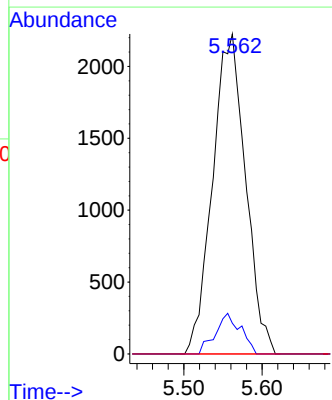
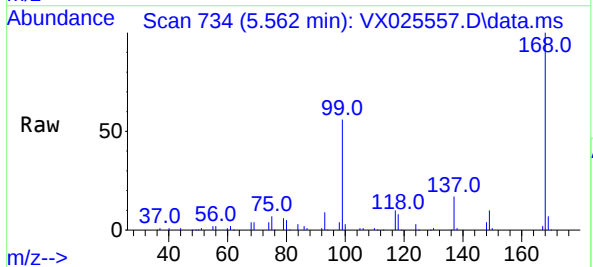


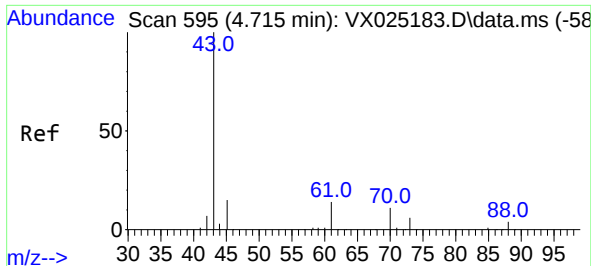
Tgt Ion:113 Resp: 48499
Ion Ratio Lower Upper
113 100
111 101.6 82.1 123.1
192 20.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 75 Resp: 6498
Ion Ratio Lower Upper
75 100
110 9.7 18.1 54.3#
77 0.0 24.4 36.6#

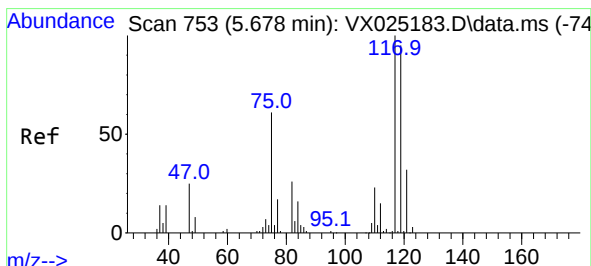
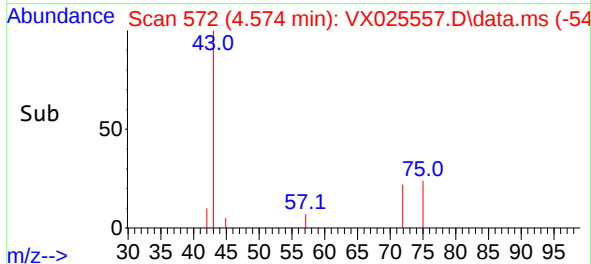
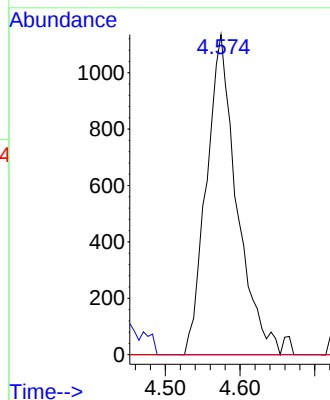
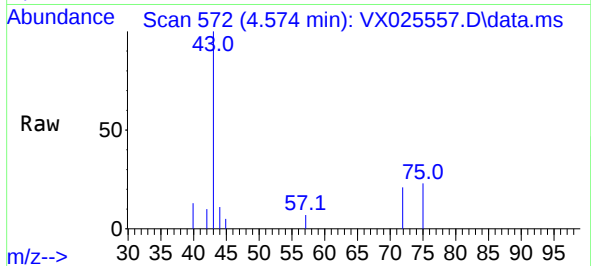




#37
Ethyl Acetate
Concen: 2.090 ug/l
RT: 4.574 min Scan# 51
Delta R.T. -0.141 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

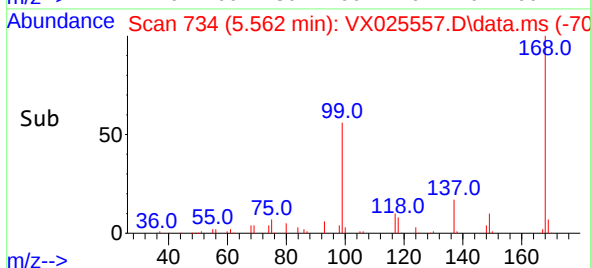
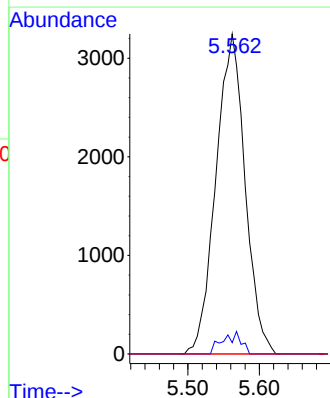
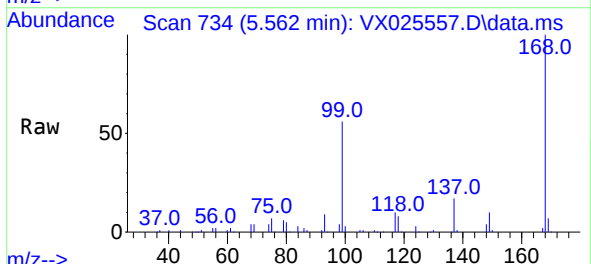
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

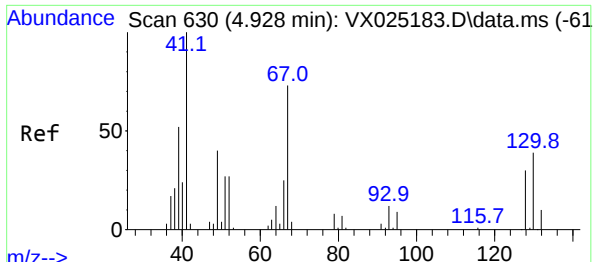
Tgt Ion: 43 Resp: 3197
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 6.217 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 117 Resp: 9207
Ion Ratio Lower Upper
117 100
119 3.5 75.6 113.4#
121 0.0 23.7 35.5#

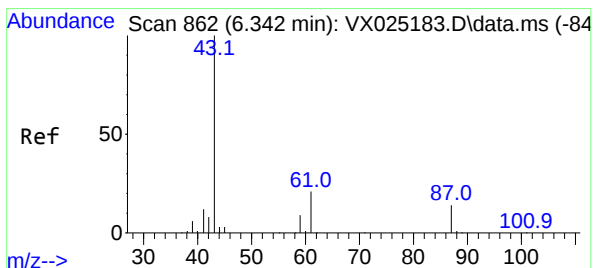
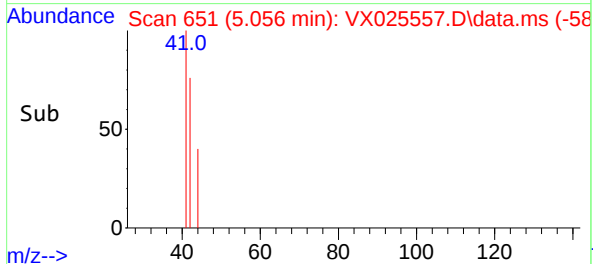
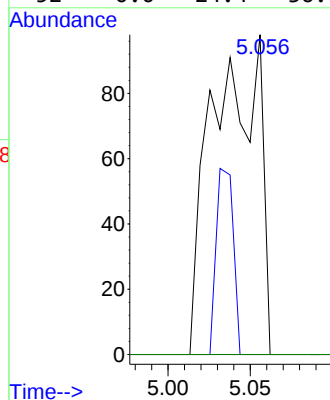
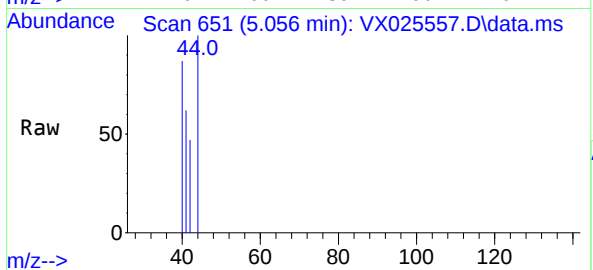




#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 5.056 min Scan# 61
Delta R.T. 0.128 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

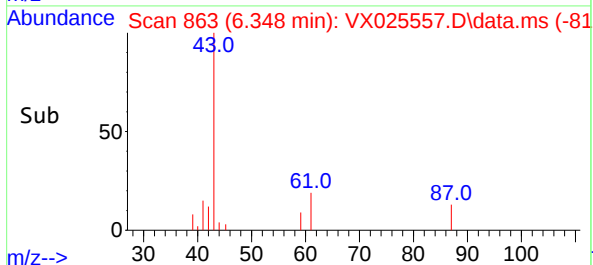
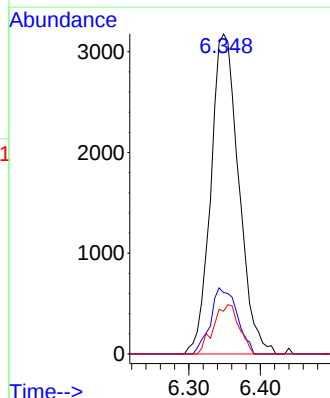
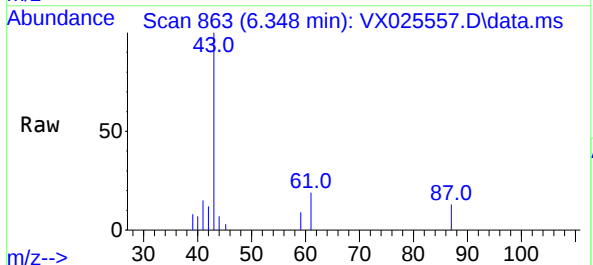
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

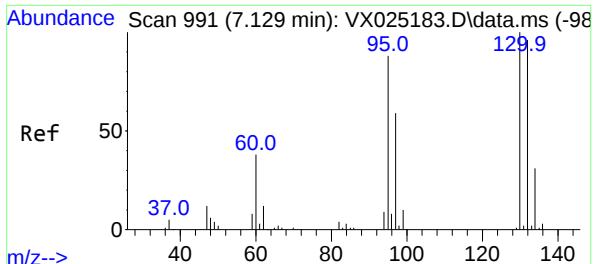
Tgt Ion: 41	Resp:	195
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	56.7 85.1#
52	0.0	24.4 36.6#



#43
Isopropyl Acetate
Concen: 3.383 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 43	Resp:	8613
Ion	Ratio	Lower Upper
43	100	
61	19.6	15.3 22.9
87	14.1	10.9 16.3

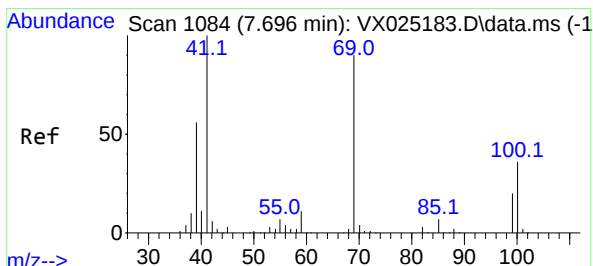
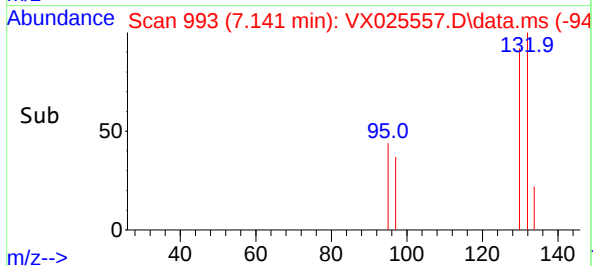
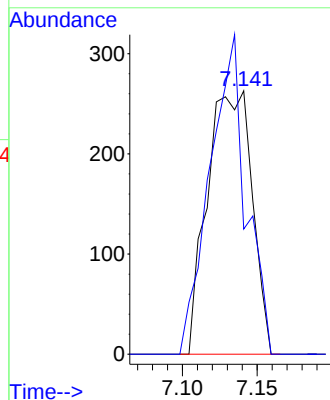
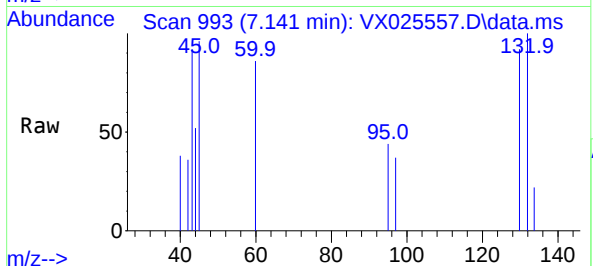




#44
Trichloroethene
Concen: 0.462 ug/l
RT: 7.141 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

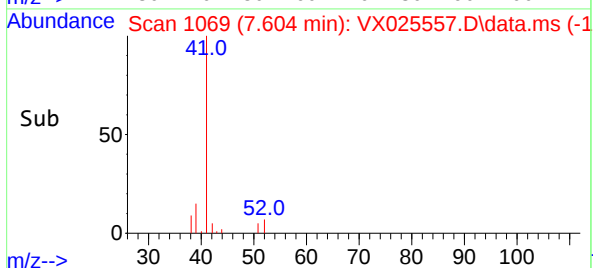
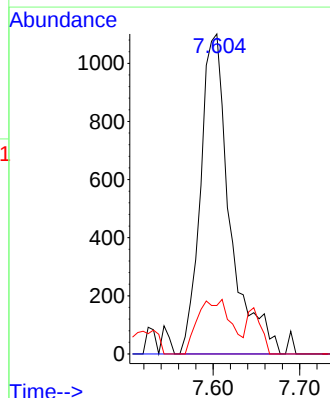
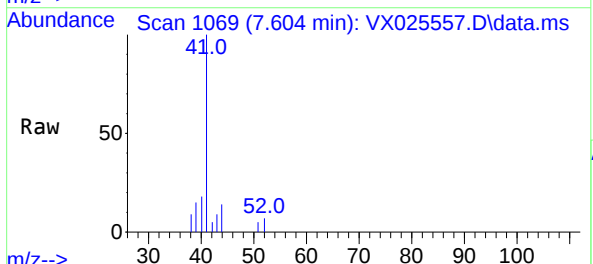
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

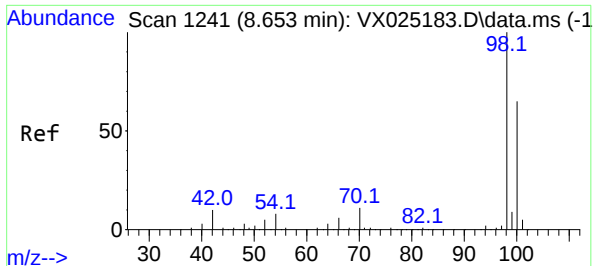
Tgt Ion:130 Resp: 547
Ion Ratio Lower Upper
130 100
95 47.5 0.0 196.8



#48
Methyl methacrylate
Concen: 2.179 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 41 Resp: 2603
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 46.9 70.3#

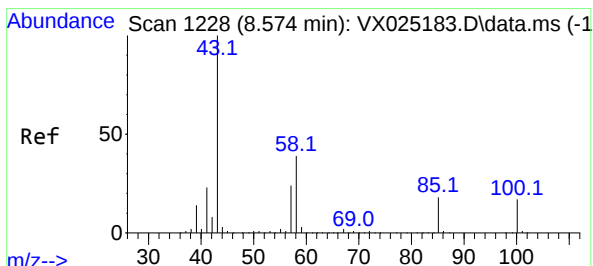
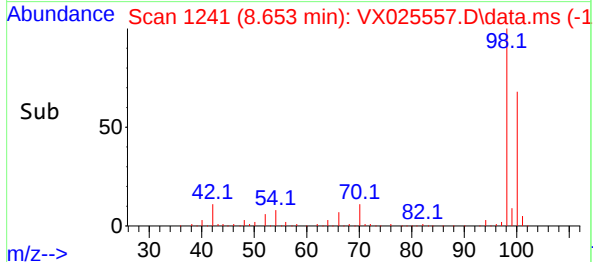
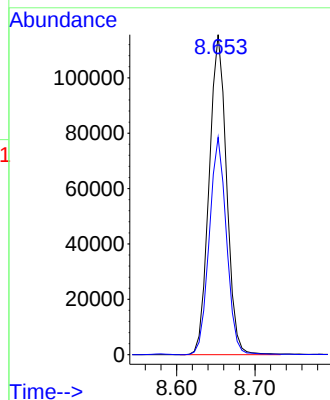
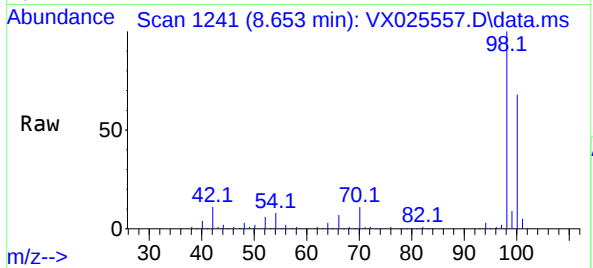




#50
Toluene-d8
Concen: 50.147 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

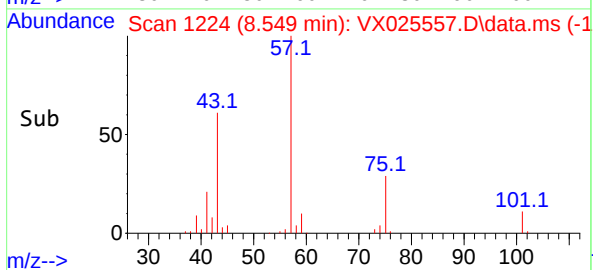
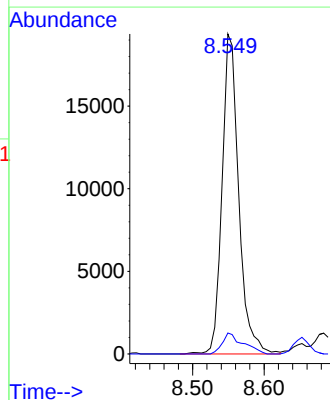
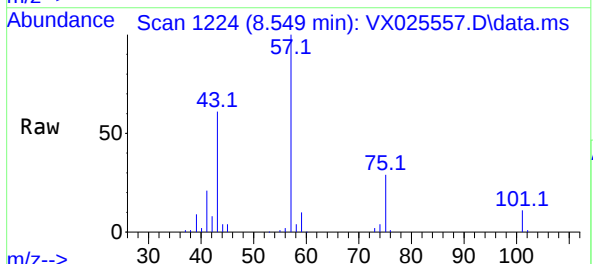
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

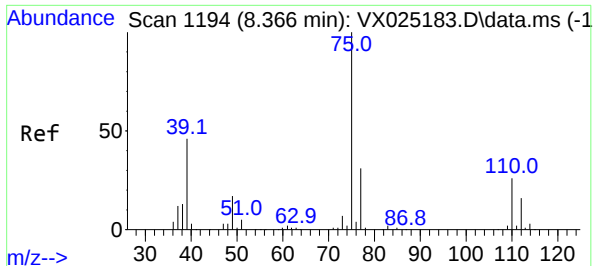
Tgt Ion: 98 Resp: 178283
Ion Ratio Lower Upper
98 100
100 67.1 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 19.632 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 43 Resp: 31340
Ion Ratio Lower Upper
43 100
58 8.1 30.9 46.3#

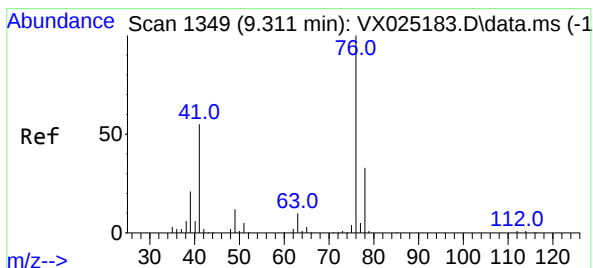
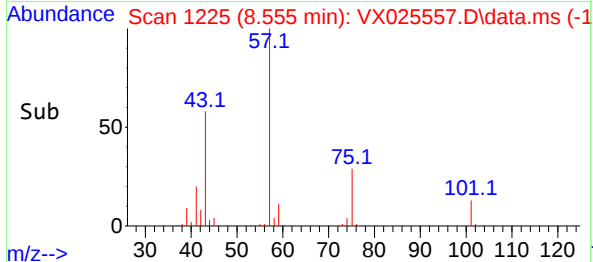
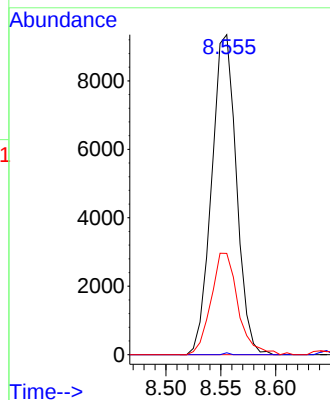
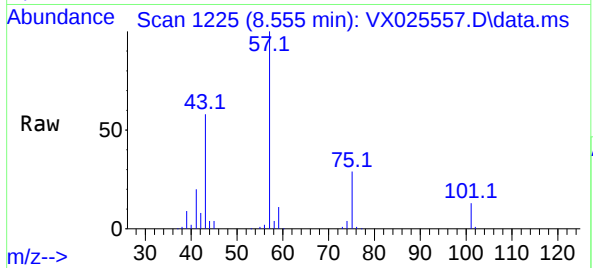




#54
 cis-1,3-Dichloropropene
 Concen: 8.528 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025557.D
 Acq: 06 Dec 2021 18:27

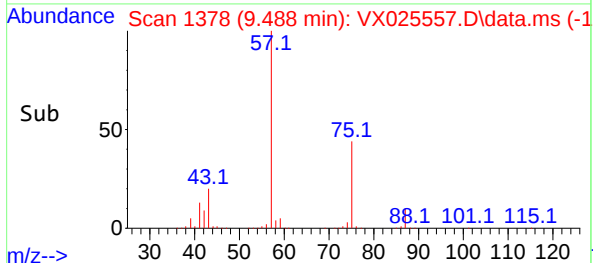
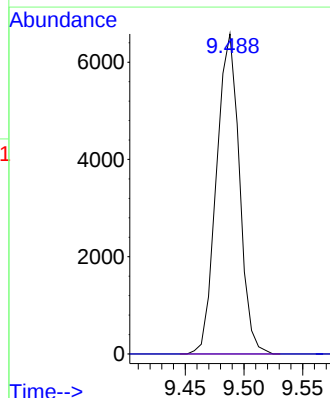
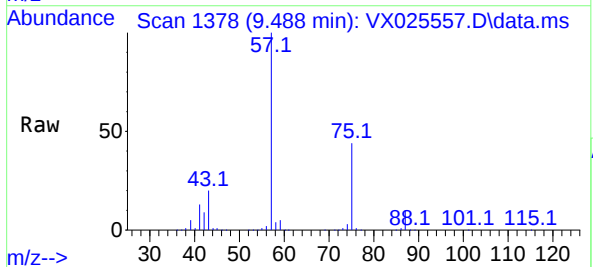
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141182ZHE#07

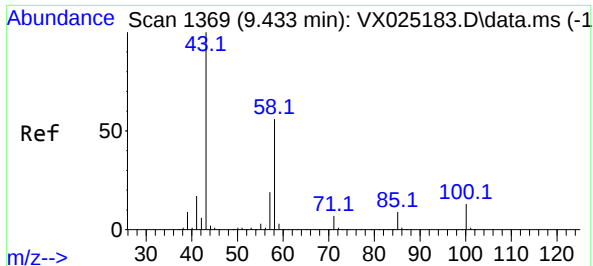
Tgt Ion: 75 Resp: 14670
 Ion Ratio Lower Upper
 75 100
 77 0.6 23.8 35.8#
 39 31.6 38.8 58.2#



#57
 1,3-Dichloropropane
 Concen: 5.101 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025557.D
 Acq: 06 Dec 2021 18:27

Tgt Ion: 76 Resp: 8936
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

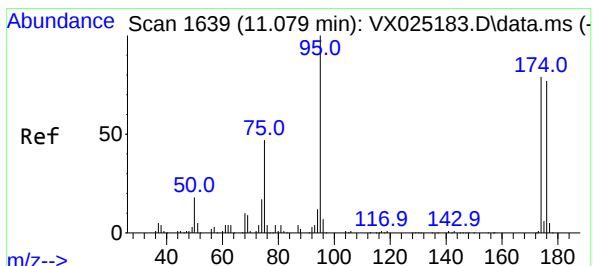
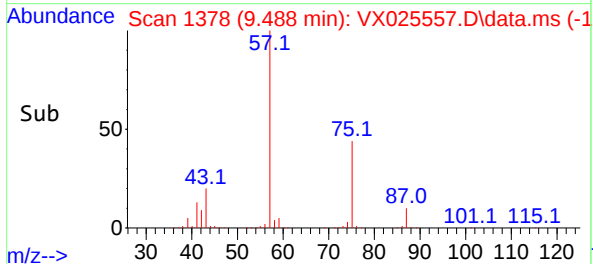
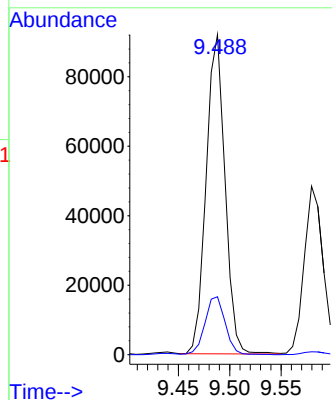
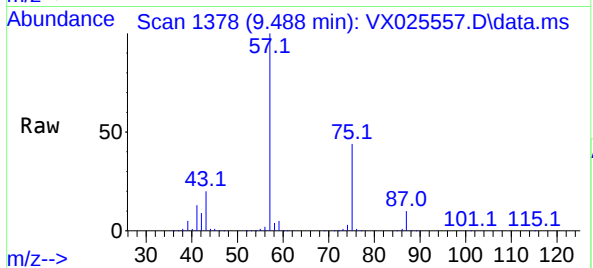




#59
2-Hexanone
Concen: 93.289 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

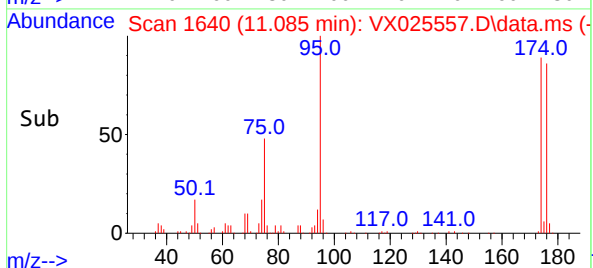
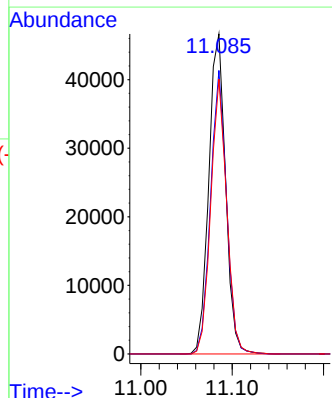
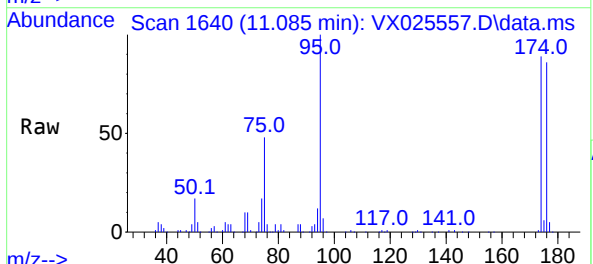
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MSVOA_X
ClientSampleId :
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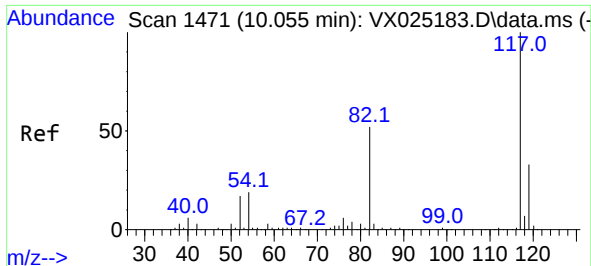
Tgt Ion: 43 Resp: 117409
Ion Ratio Lower Upper
43 100
58 19.5 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 44.100 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 95 Resp: 59313
Ion Ratio Lower Upper
95 100
174 84.5 0.0 158.0
176 81.8 0.0 153.6

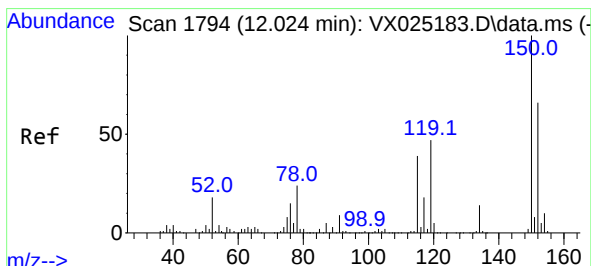
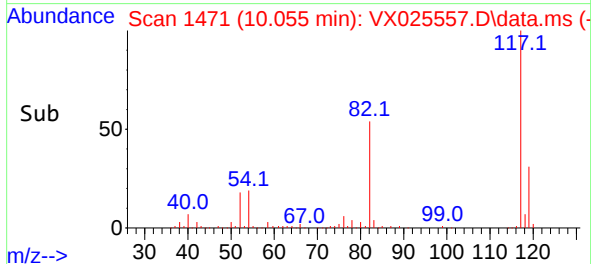
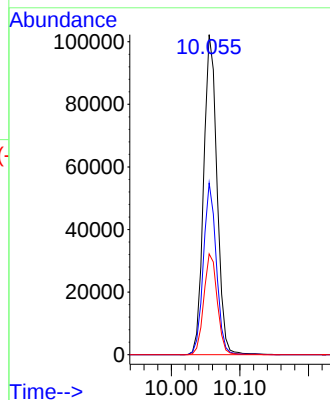
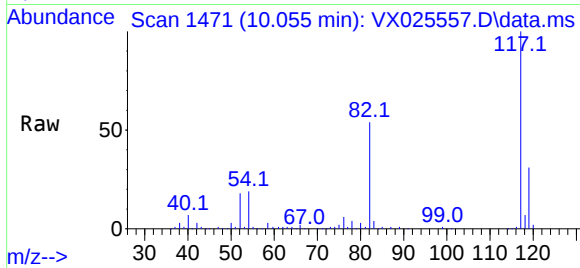




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

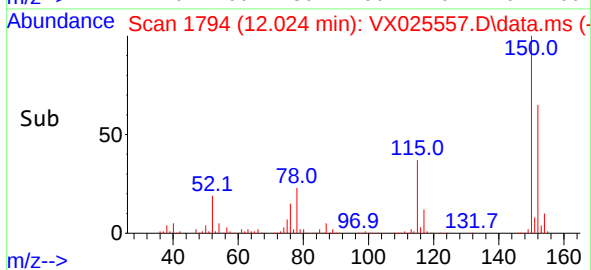
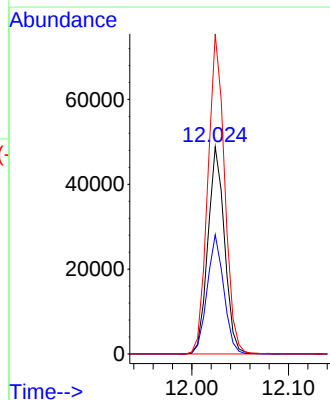
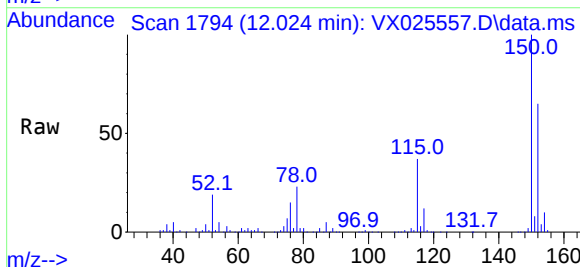
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ClientSampleId :
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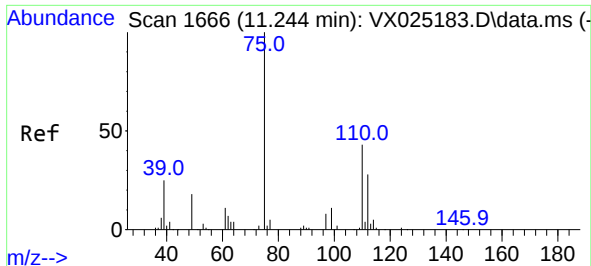
Tgt Ion:117 Resp: 138955
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 31.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion:152 Resp: 58553
Ion Ratio Lower Upper
152 100
115 57.5 43.3 129.8
150 155.8 0.0 351.2

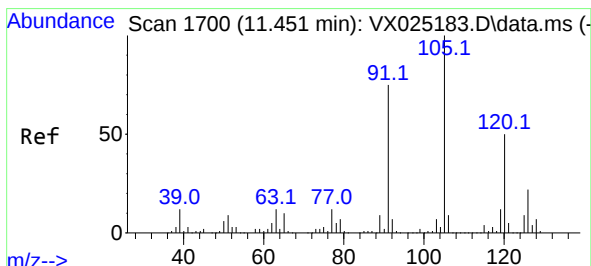
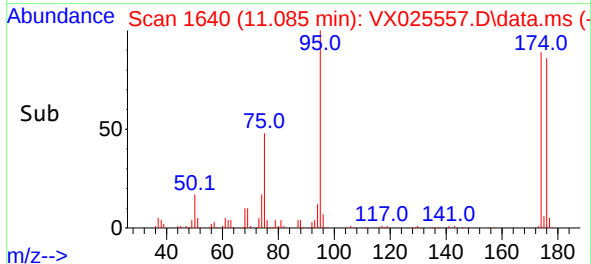
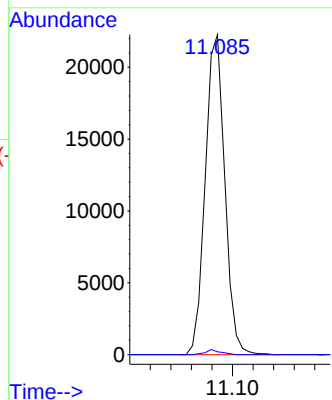
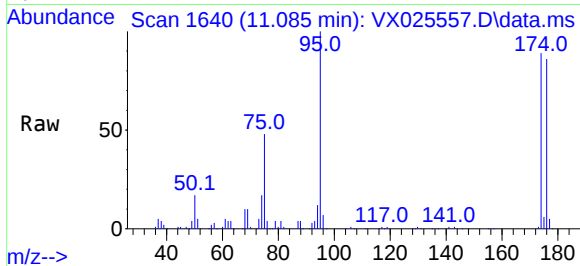




#76
1,2,3-Trichloropropane
Concen: 24.476 ug/l
RT: 11.085 min Scan# 110
Delta R.T. -0.159 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

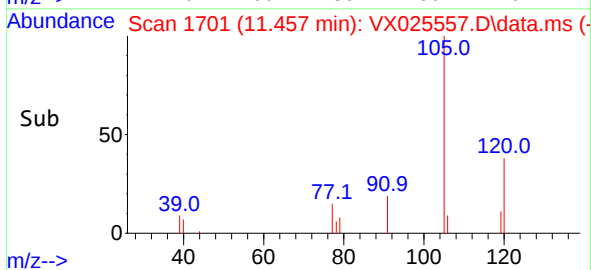
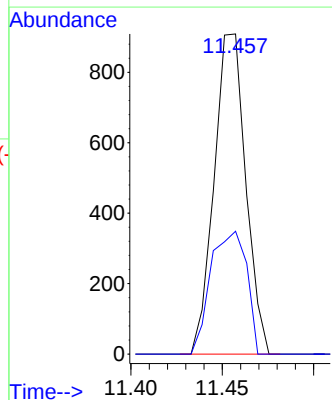
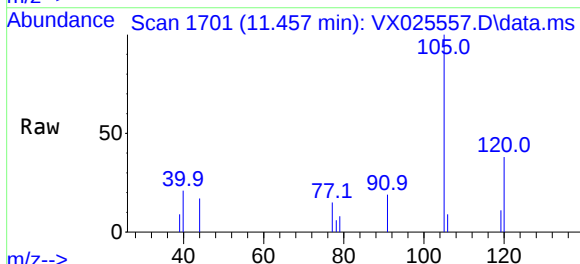
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

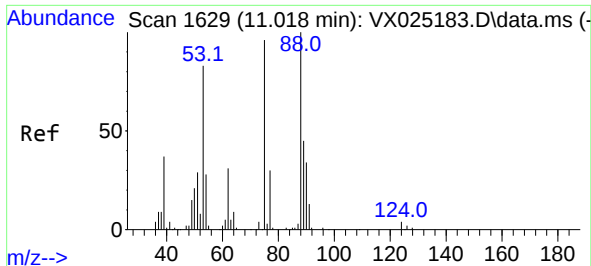
Tgt Ion: 75 Resp: 29348
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#



#80
1,3,5-Trimethylbenzene
Concen: 0.312 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 105 Resp: 1096
Ion Ratio Lower Upper
105 100
120 43.5 23.8 71.5

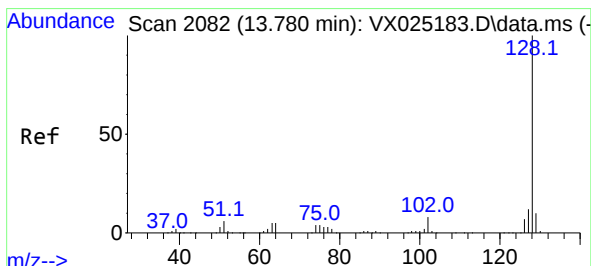
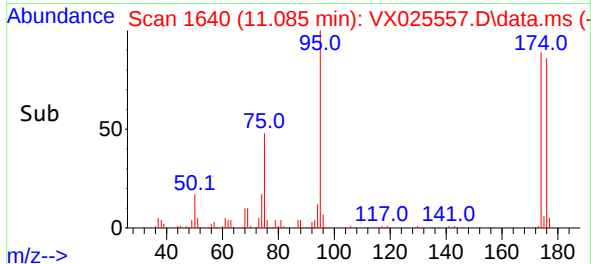
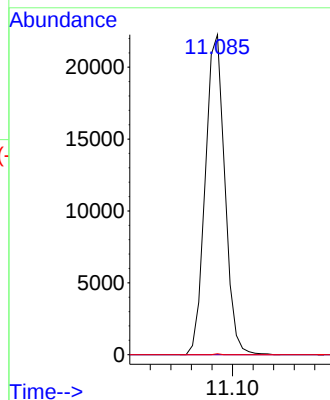
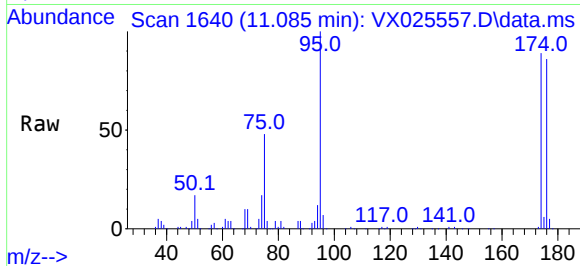




#81
trans-1,4-Dichloro-2-butene
Concen: 61.660 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#07

Tgt Ion: 75 Resp: 29348
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.1 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025557.D
Acq: 06 Dec 2021 18:27

Tgt Ion: 128 Resp: 105
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

