

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045922.D
 Acq On : 24 Apr 2025 13:14
 Operator : JC/MD
 Sample : PB167707ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#03

Quant Time: Apr 25 02:26:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

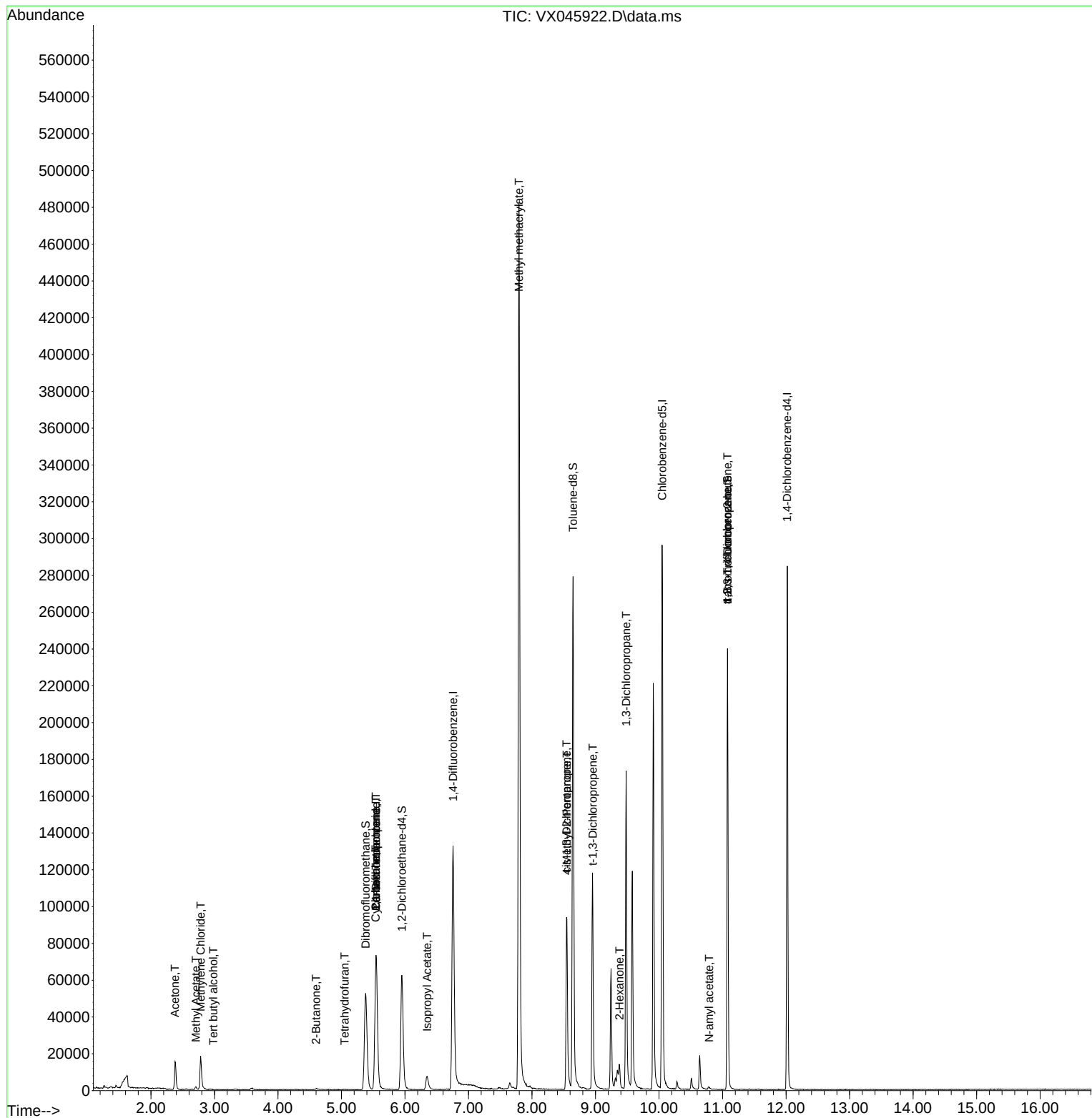
Internal Standards						
1) Pentafluorobenzene	5.544	168	62997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64481	55.971	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.940%	
35) Dibromofluoromethane	5.379	113	45811	50.839	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.680%	
50) Toluene-d8	8.647	98	161831	51.454	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	102.900%	
62) 4-Bromofluorobenzene	11.079	95	60655	52.945	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	105.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	45	0.291	ug/l #	72
16) Acetone	2.380	43	17079	36.103	ug/l	96
18) Methyl Acetate	2.709	43	2132	1.957	ug/l	94
20) Methylene Chloride	2.782	84	7887	8.905	ug/l	96
25) 2-Butanone	4.599	43	1814	2.620	ug/l	94
29) Tetrahydrofuran	5.050	42	195	0.434	ug/l #	35
31) Cyclohexane	5.538	56	1866	1.320	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6268	5.152	ug/l #	45
38) Carbon Tetrachloride	5.544	117	7168	5.451	ug/l #	12
43) Isopropyl Acetate	6.348	43	11732	5.049	ug/l	96
48) Methyl methacrylate	7.793	41	48330	40.281	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	38138	24.757	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	209	2.435	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	14646	10.966	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1478	0.947	ug/l #	42
59) 2-Hexanone	9.378	43	12363	10.837	ug/l #	28
74) N-amyl acetate	10.787	43	1068	0.549	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35054	28.331	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35054	96.152	ug/l #	1

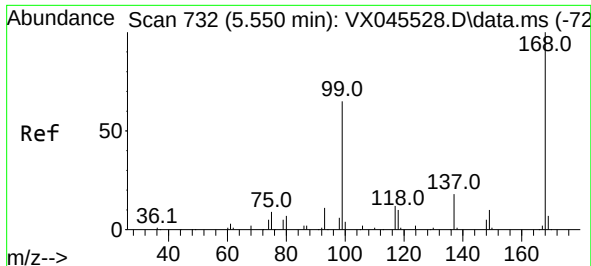
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :
PB167707ZHE#03

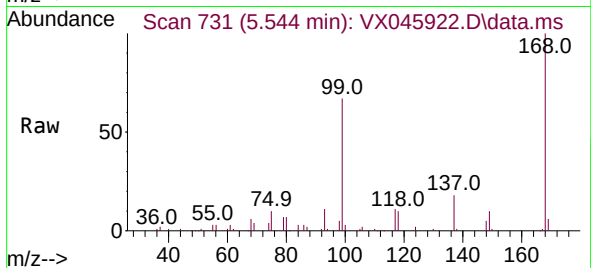
Quant Time: Apr 25 02:26:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



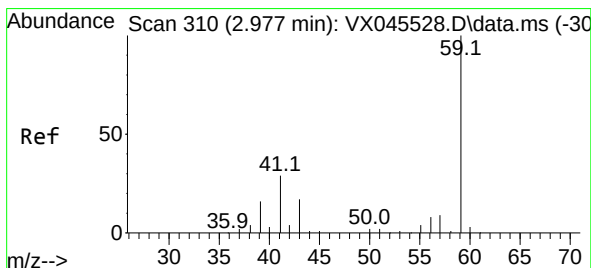
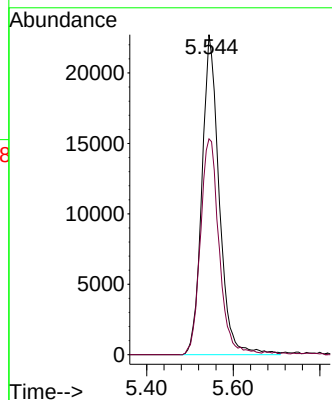
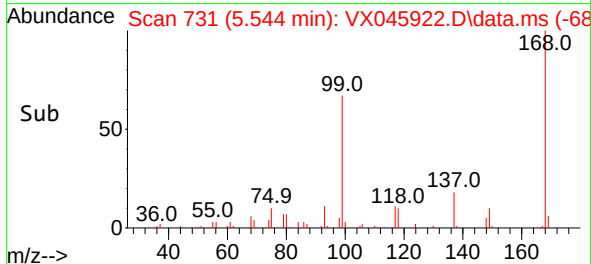


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

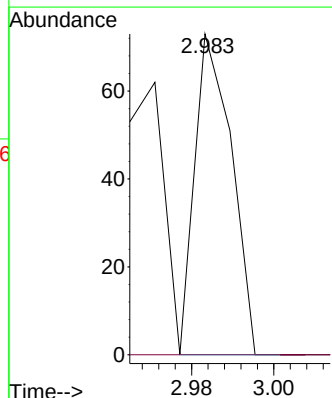
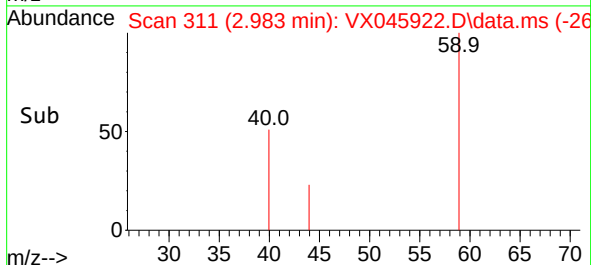
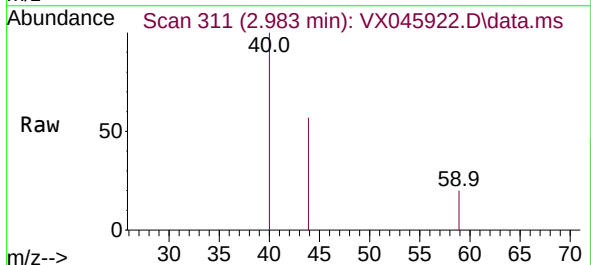


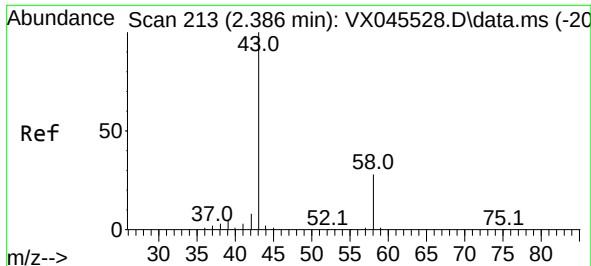
Tgt Ion:168 Resp: 62997
Ion Ratio Lower Upper
168 100
99 67.5 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

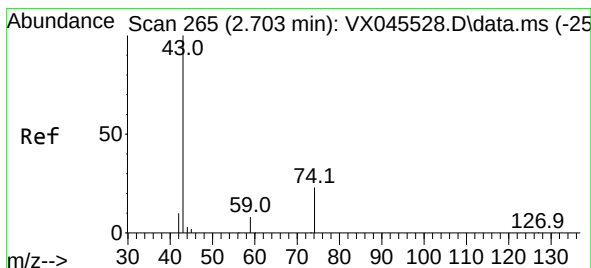
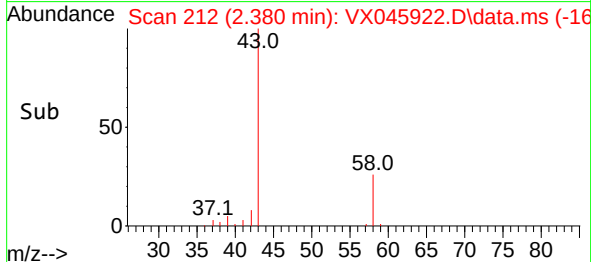
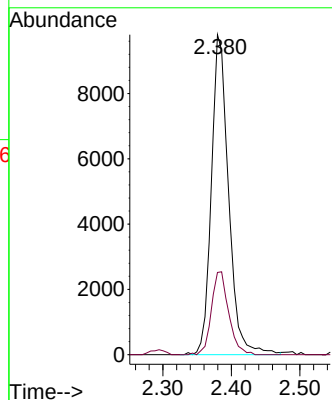
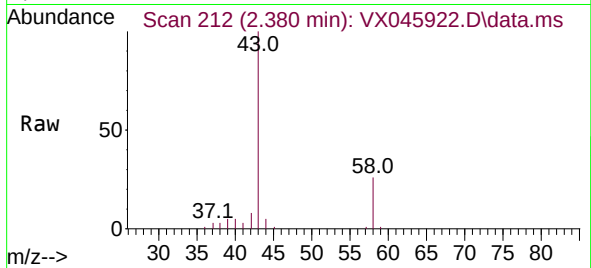




#16
Acetone
Concen: 36.103 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

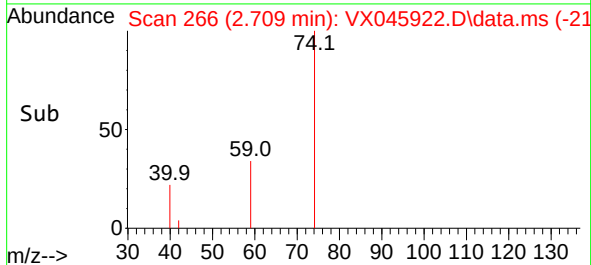
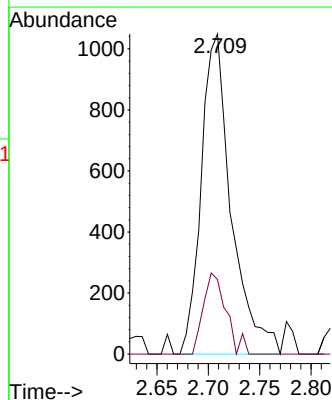
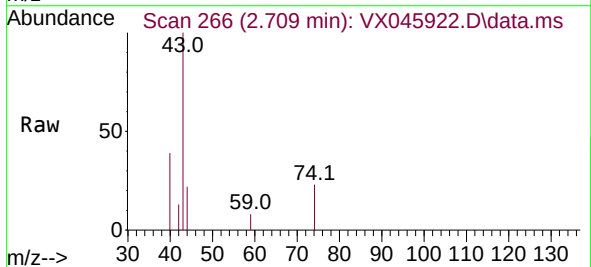
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

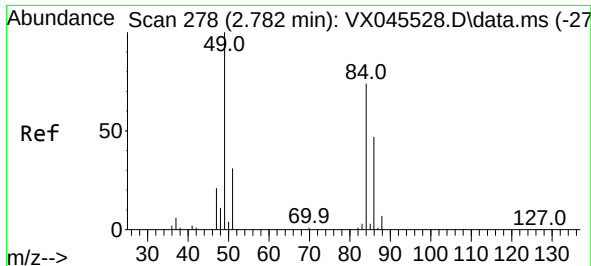
Tgt Ion: 43 Resp: 17079
Ion Ratio Lower Upper
43 100
58 25.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.957 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
74 19.2 17.5 26.3

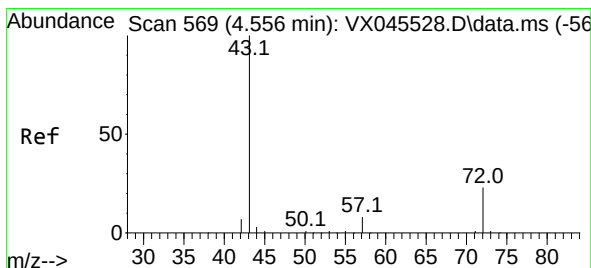
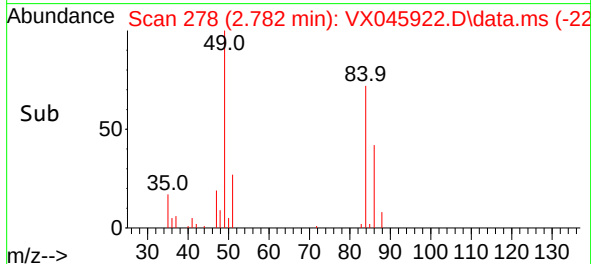
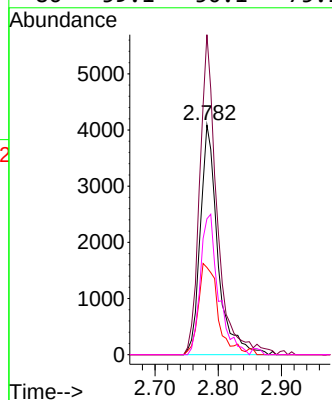
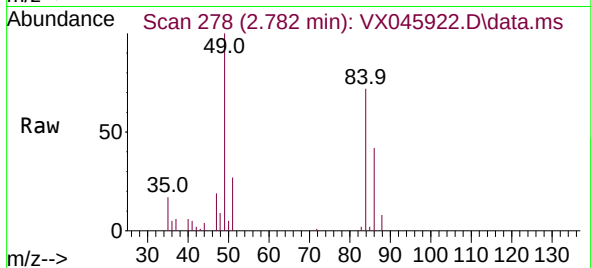




#20
Methylene Chloride
Concen: 8.905 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

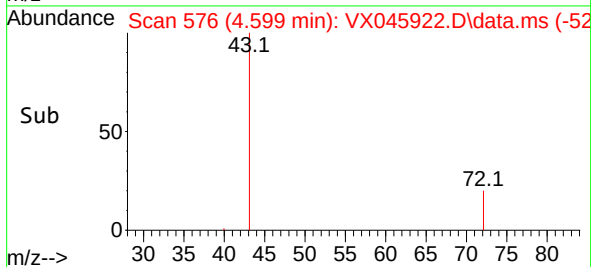
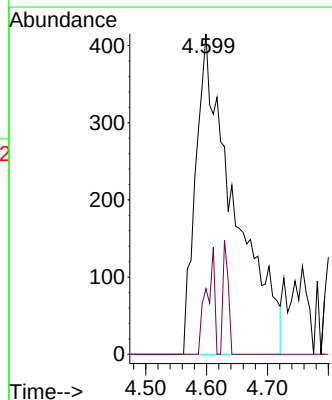
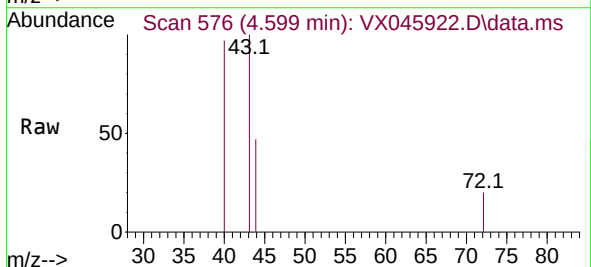
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

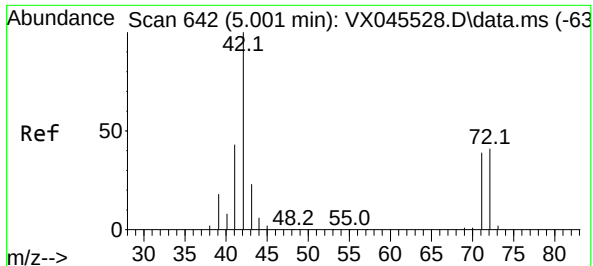
Tgt Ion:	84	Resp:	7887
Ion	Ratio	Lower	Upper
84	100		
49	139.3	107.5	161.3
51	37.9	33.0	49.6
86	59.1	50.1	75.1



#25
2-Butanone
Concen: 2.620 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion:	43	Resp:	1814
Ion	Ratio	Lower	Upper
43	100		
72	20.5	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.434 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045922.D

Acq: 24 Apr 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

PB167707ZHE#03

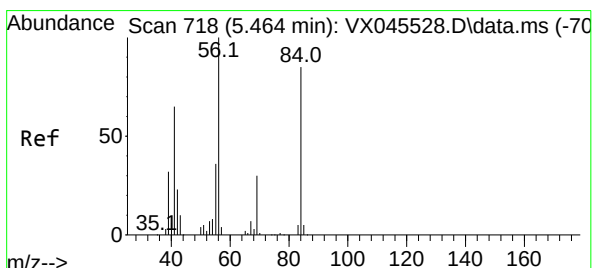
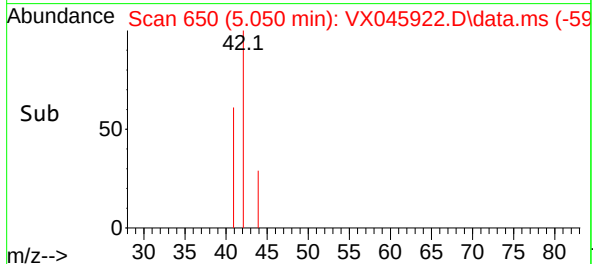
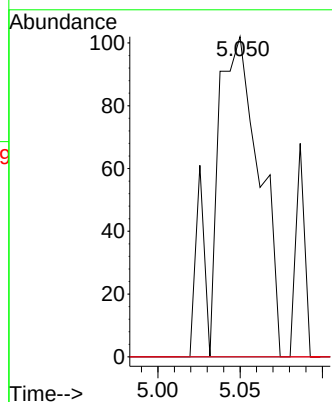
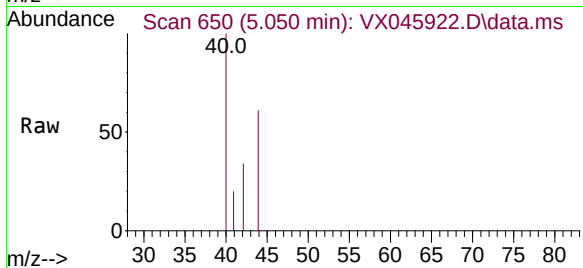
Tgt Ion: 42 Resp: 195

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045922.D

Acq: 24 Apr 2025 13:14

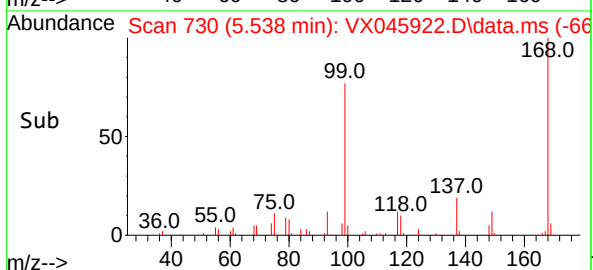
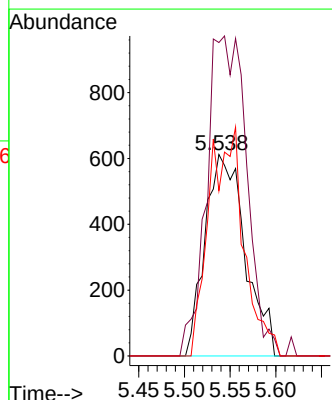
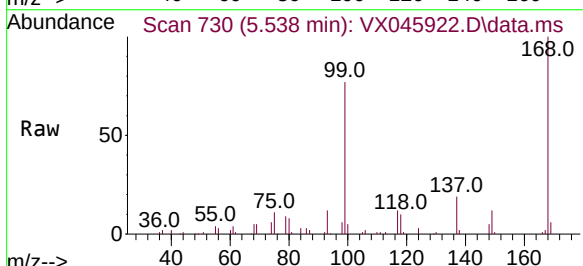
Tgt Ion: 56 Resp: 1866

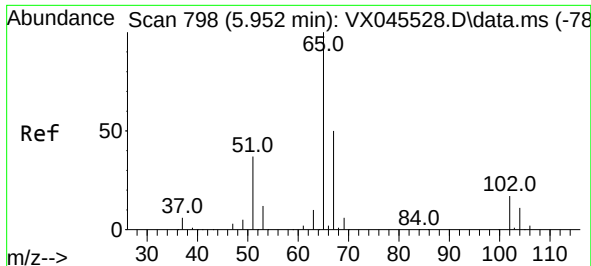
Ion Ratio Lower Upper

56 100

69 155.6 23.6 35.4#

84 82.0 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.971 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045922.D

Acq: 24 Apr 2025 13:14

Instrument :

MSVOA_X

ClientSampleId :

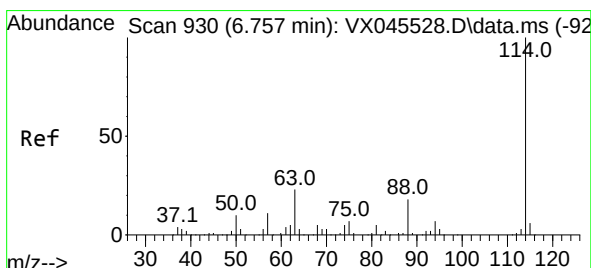
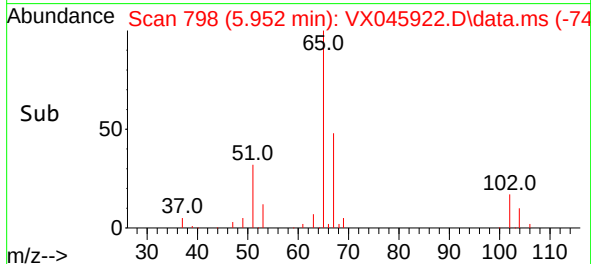
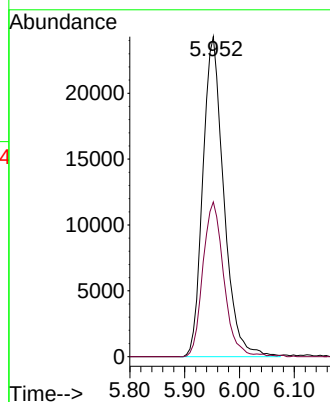
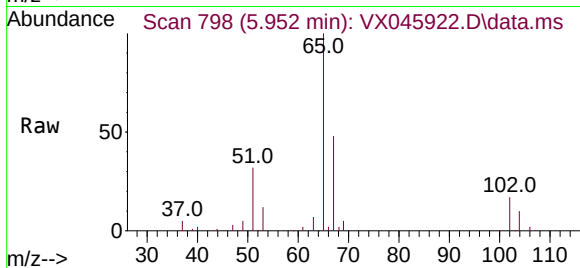
PB167707ZHE#03

Tgt Ion: 65 Resp: 64481

Ion Ratio Lower Upper

65 100

67 48.4 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045922.D

Acq: 24 Apr 2025 13:14

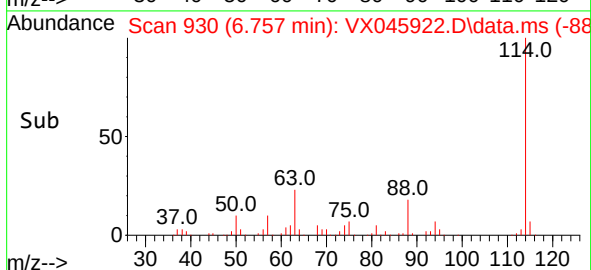
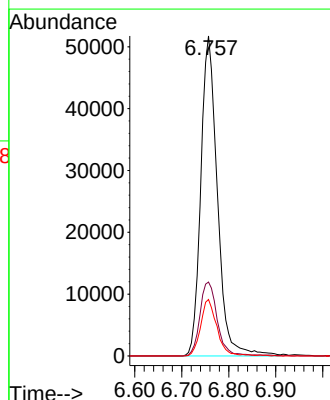
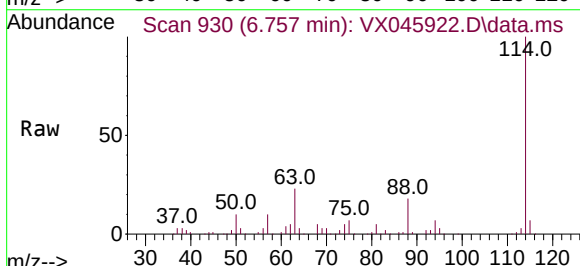
Tgt Ion: 114 Resp: 127004

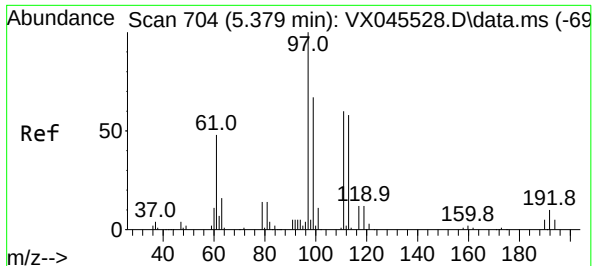
Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.8

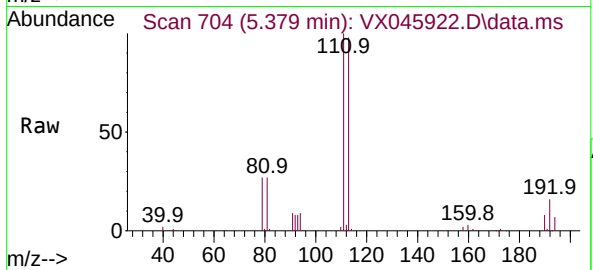
88 17.6 0.0 35.4



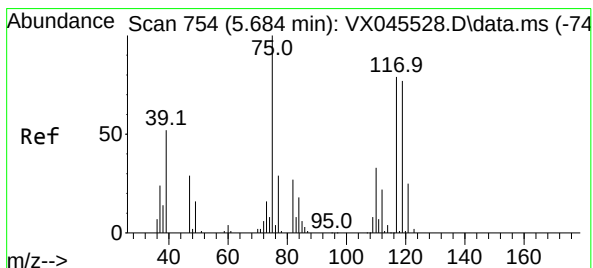
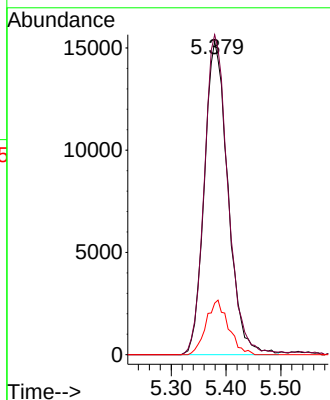
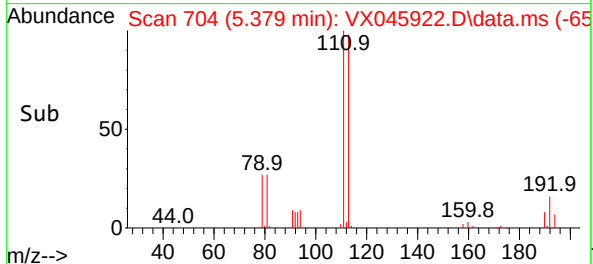


#35
Dibromofluoromethane
Concen: 50.839 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

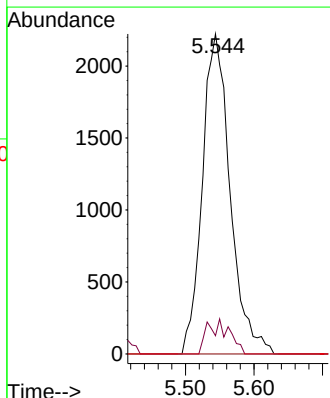
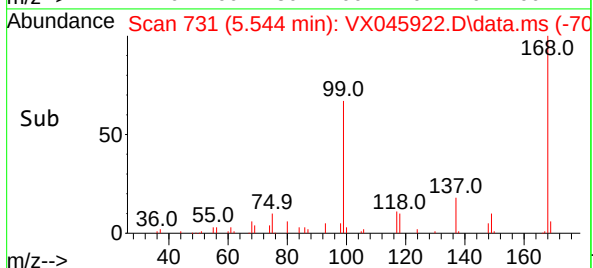
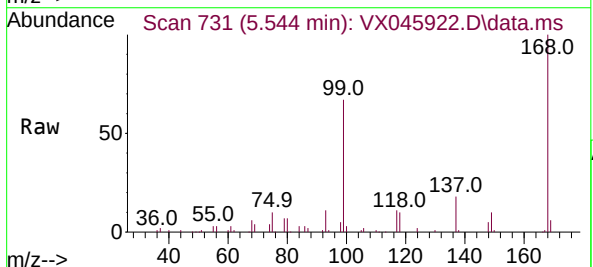


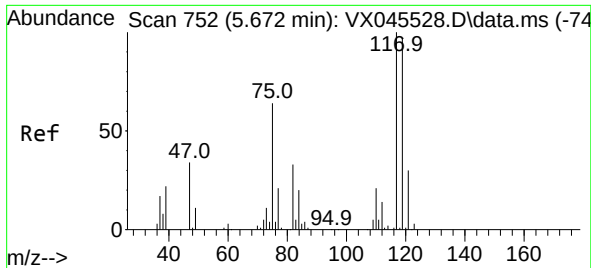
Tgt Ion:	113	Resp:	45811
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	16.5	13.8	20.6



#36
1,1-Dichloropropene
Concen: 5.152 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

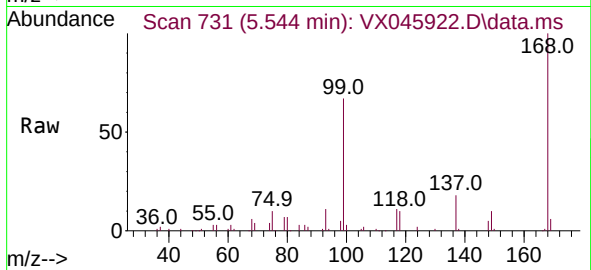
Tgt Ion:	75	Resp:	6268
Ion	Ratio	Lower	Upper
75	100		
110	3.7	16.9	50.6#
77	0.0	25.0	37.4#



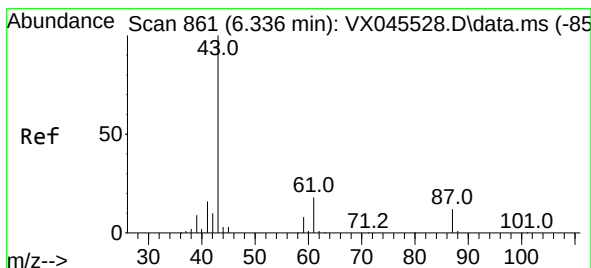
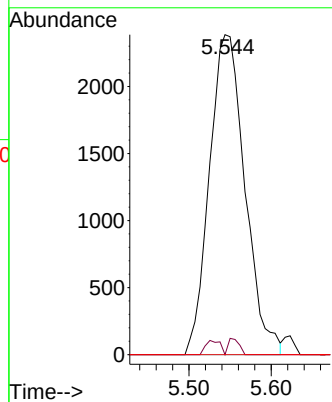
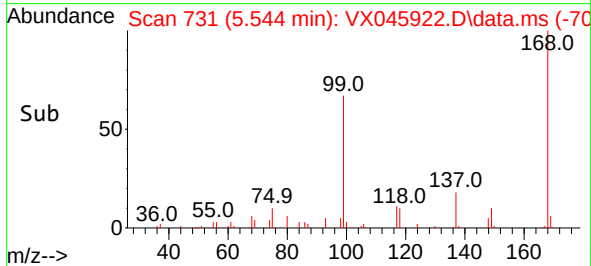


#38
Carbon Tetrachloride
Concen: 5.451 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

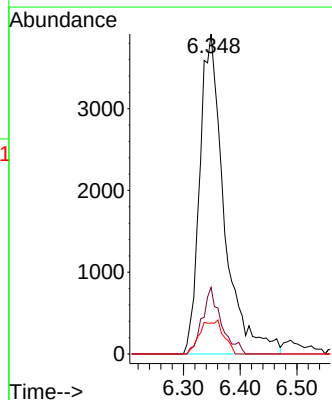
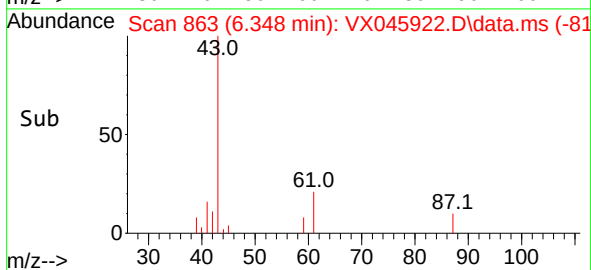
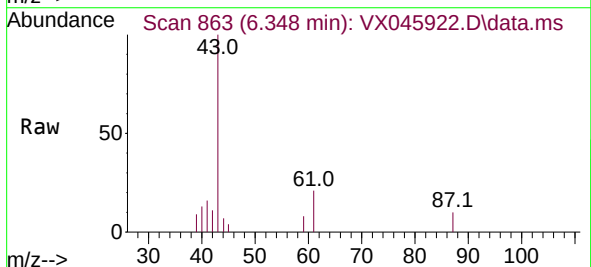


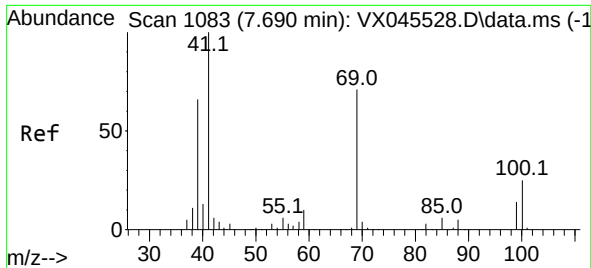
Tgt Ion:117 Resp: 7168
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 5.049 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion: 43 Resp: 11732
Ion Ratio Lower Upper
43 100
61 16.1 14.1 21.1
87 10.1 9.2 13.8

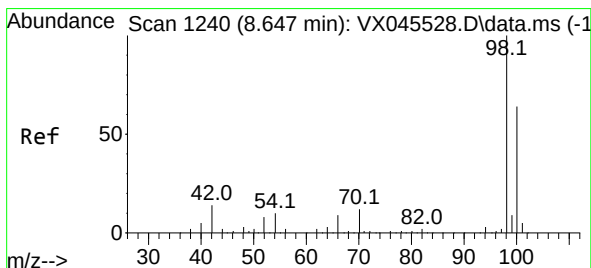
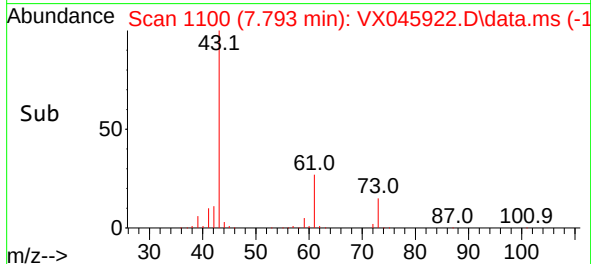
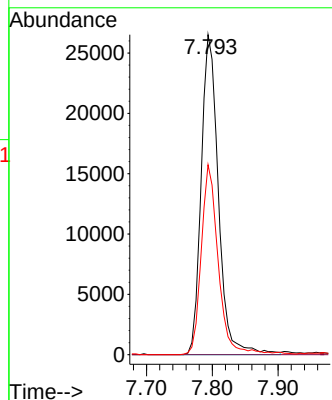
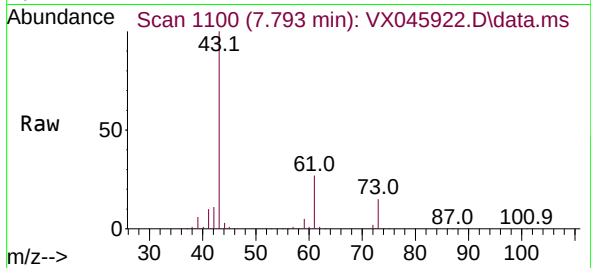




#48
Methyl methacrylate
Concen: 40.281 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

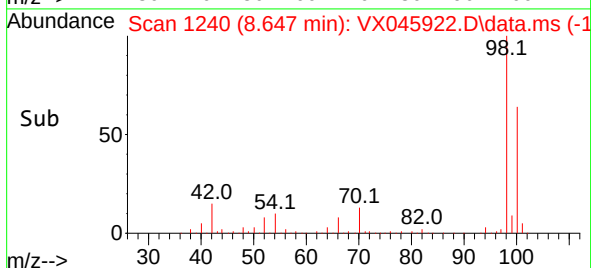
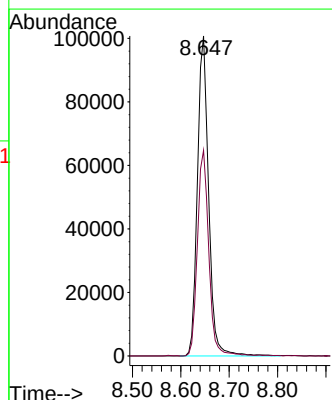
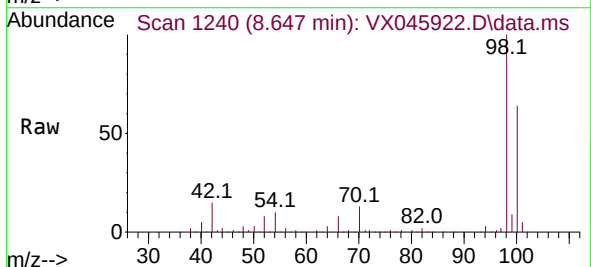
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

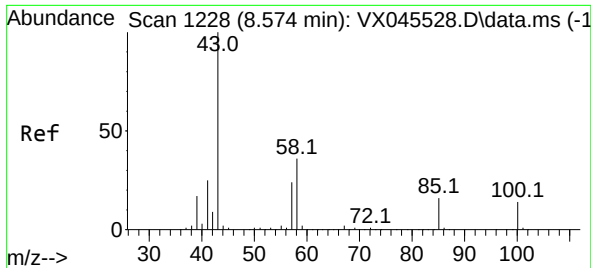
Tgt Ion: 41 Resp: 48330
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.4 53.6 80.4



#50
Toluene-d8
Concen: 51.454 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion: 98 Resp: 161831
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

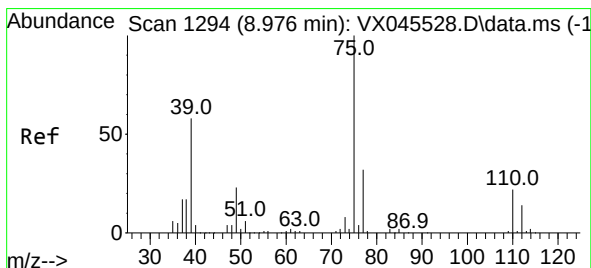
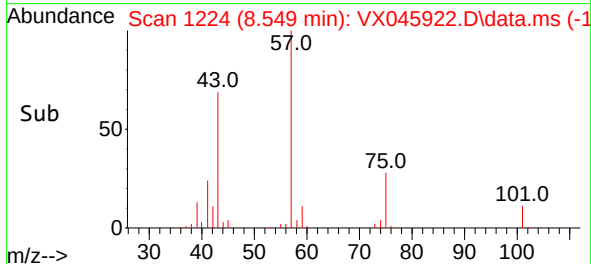
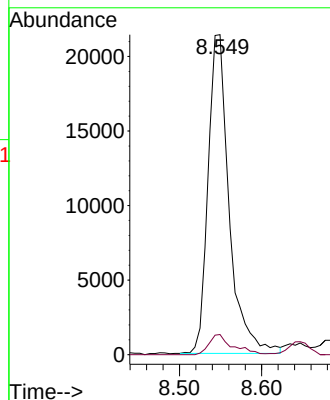
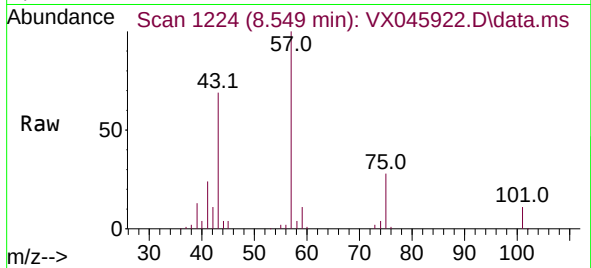




#51
4-Methyl-2-Pentanone
Concen: 24.757 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

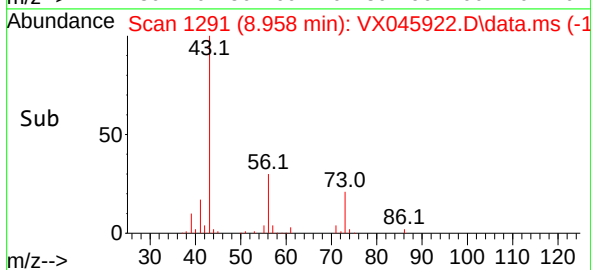
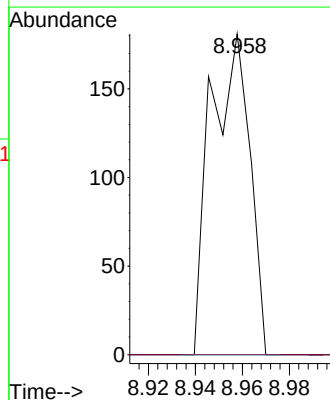
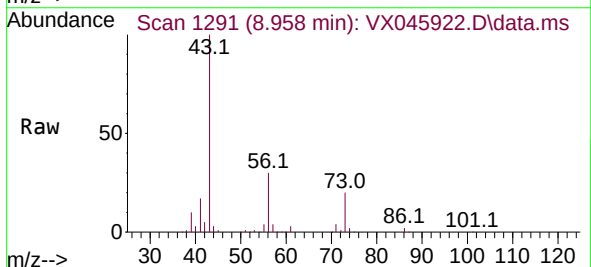
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

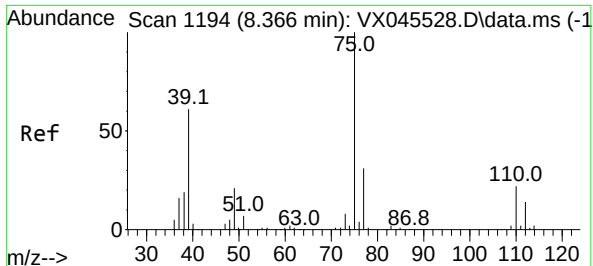
Tgt Ion: 43 Resp: 38138
Ion Ratio Lower Upper
43 100
58 7.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.435 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

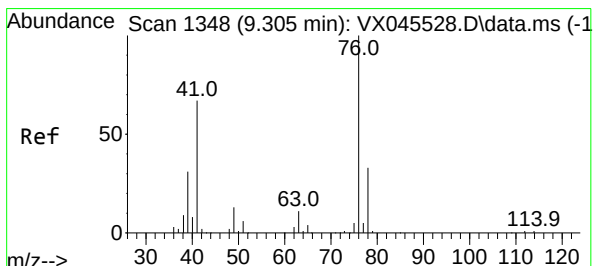
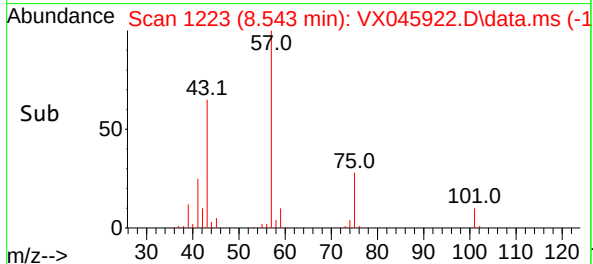
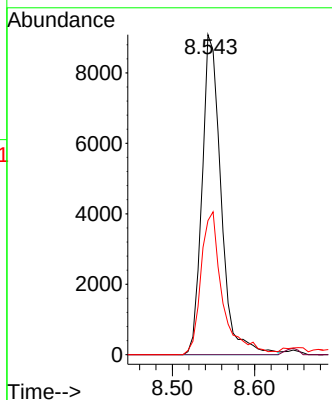
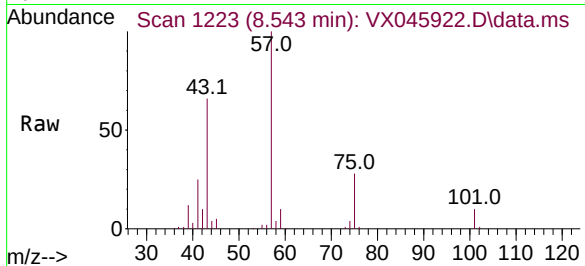




#54
 cis-1,3-Dichloropropene
 Concen: 10.966 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045922.D
 Acq: 24 Apr 2025 13:14

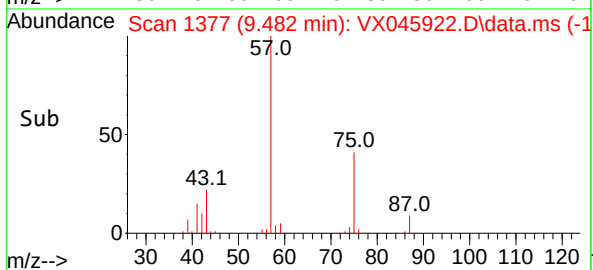
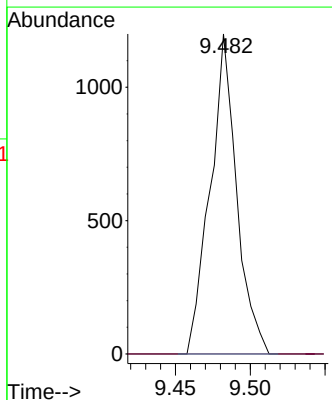
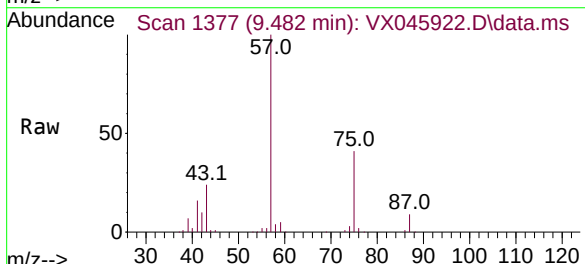
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167707ZHE#03

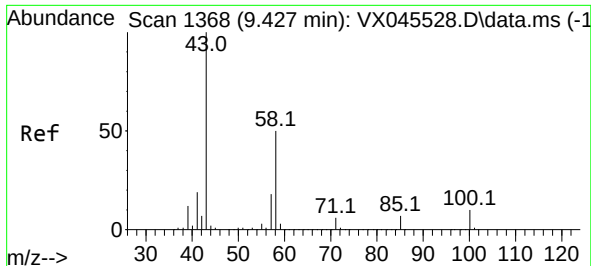
Tgt Ion: 75 Resp: 14646
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 41.9 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.947 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045922.D
 Acq: 24 Apr 2025 13:14

Tgt Ion: 76 Resp: 1478
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

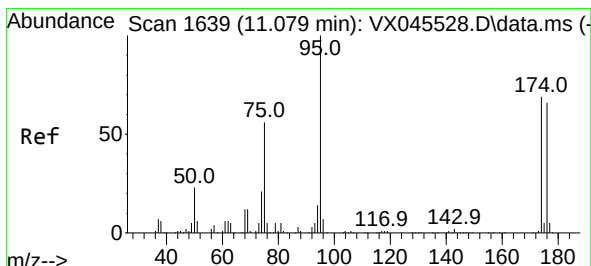
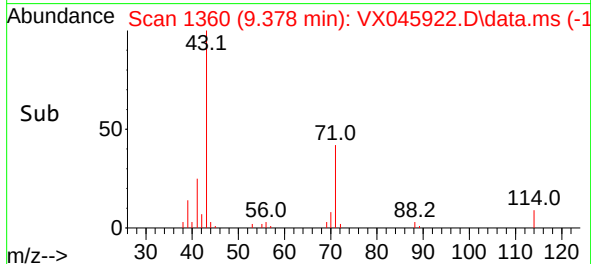
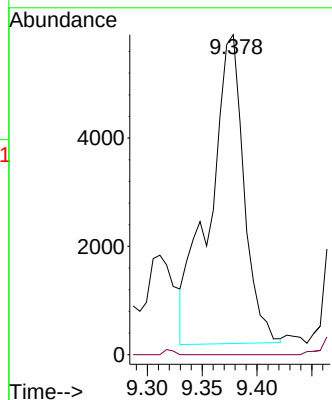
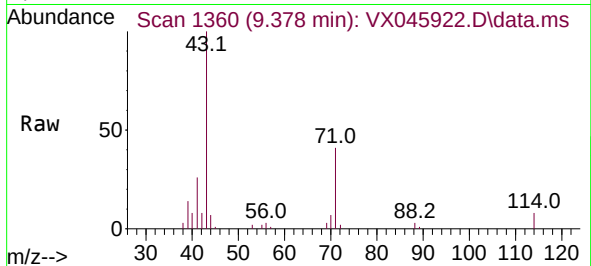




#59
2-Hexanone
Concen: 10.837 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

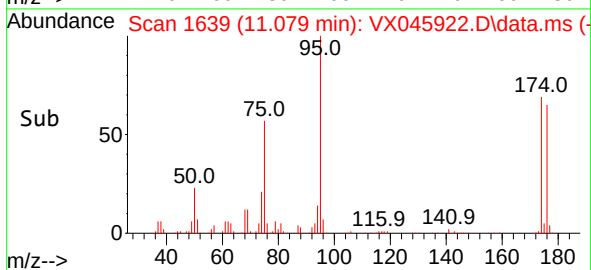
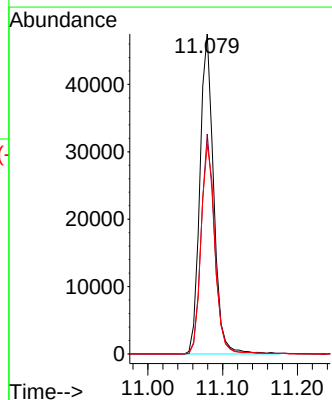
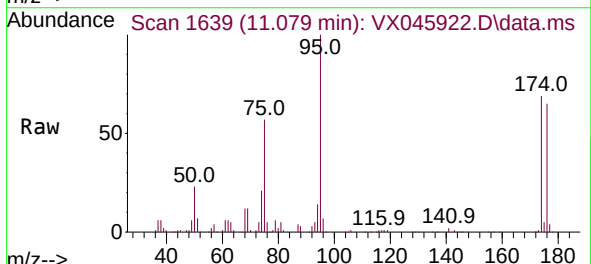
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

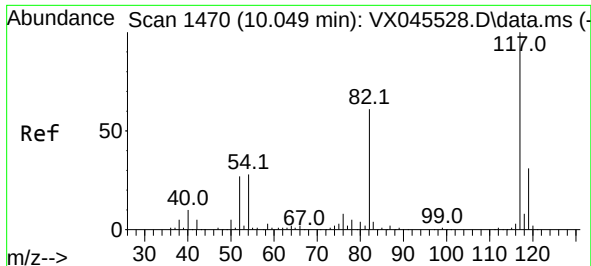
Tgt Ion: 43 Resp: 12363
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 52.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion: 95 Resp: 60655
Ion Ratio Lower Upper
95 100
174 67.3 0.0 135.8
176 66.2 0.0 131.4

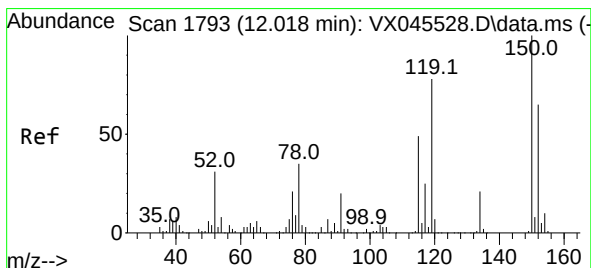
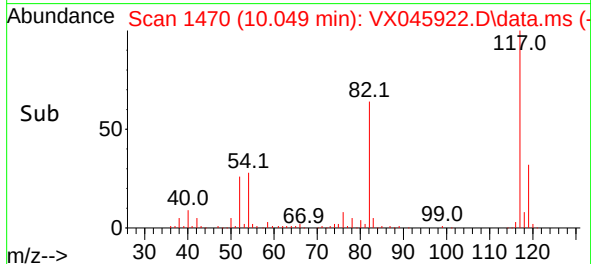
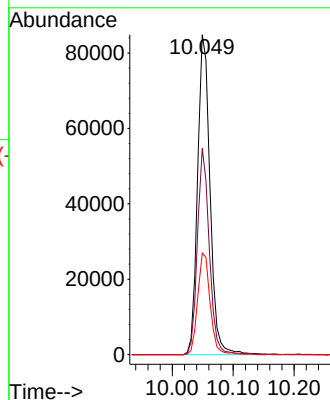
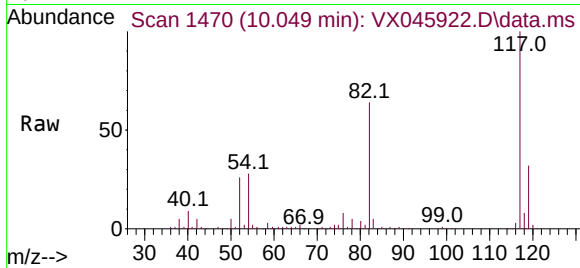




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

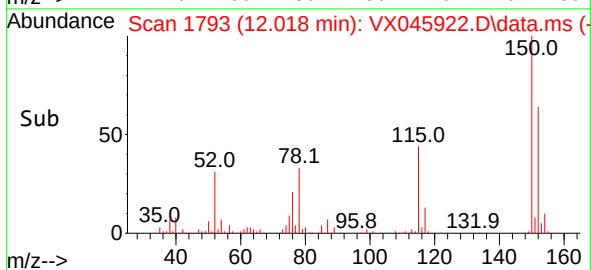
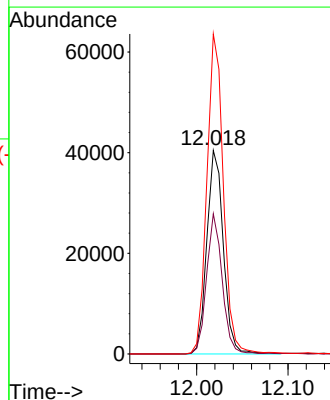
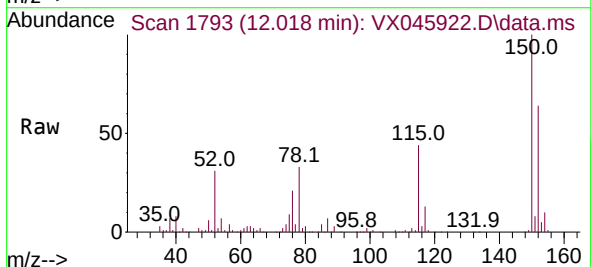
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

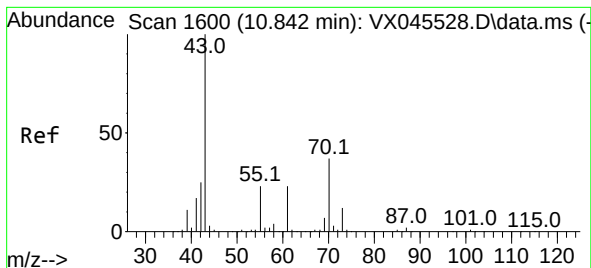
Tgt Ion:117 Resp: 120708
Ion Ratio Lower Upper
117 100
82 64.5 49.2 73.8
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Tgt Ion:152 Resp: 50725
Ion Ratio Lower Upper
152 100
115 65.0 46.9 140.7
150 156.9 0.0 349.4

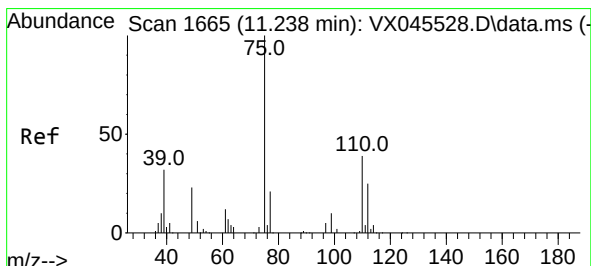
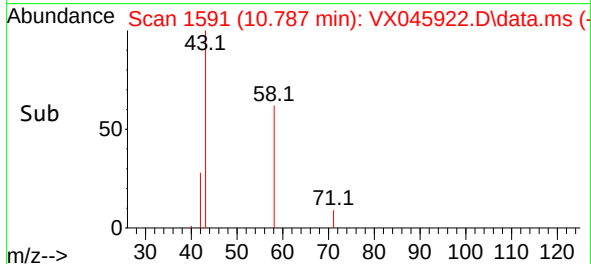
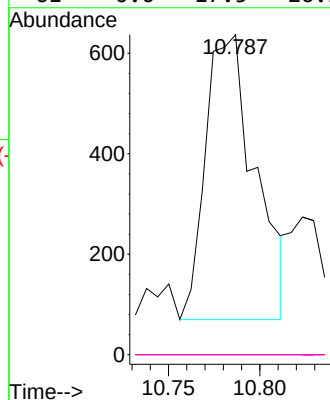
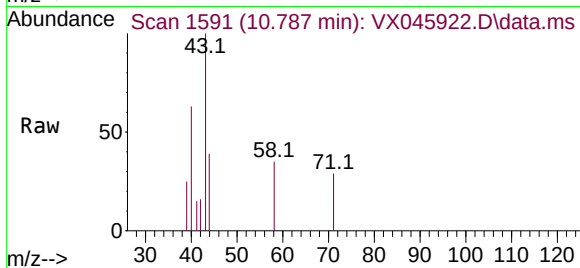




#74
N-amy1 acetate
Concen: 0.549 ug/l
RT: 10.787 min Scan# 1639
Delta R.T. -0.055 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

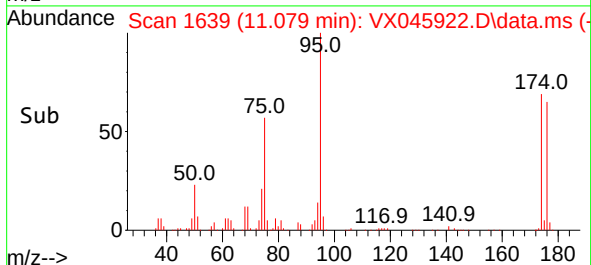
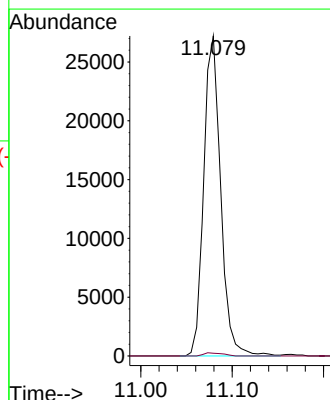
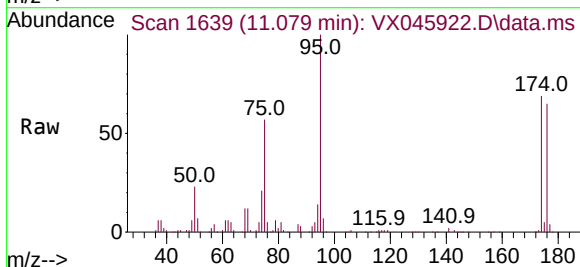
Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03

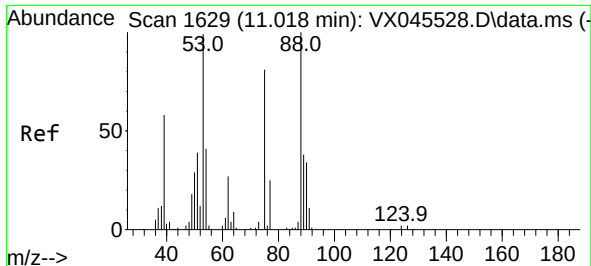
Tgt Ion:	43	Resp:	1068
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	0.0	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 28.331 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

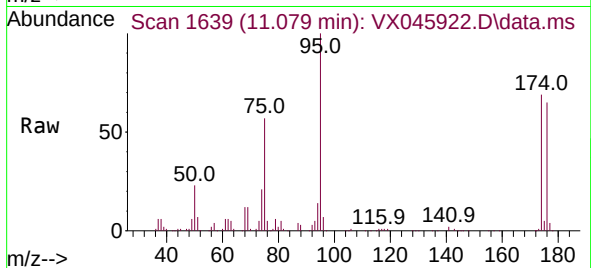
Tgt Ion:	75	Resp:	35054
Ion	Ratio	Lower	Upper
75	100		
77	1.1	20.0	59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.152 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045922.D
Acq: 24 Apr 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
PB167707ZHE#03



Tgt Ion: 75 Resp: 35054
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

