

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045705.D
 Acq On : 10 Apr 2025 17:42
 Operator : JC/MD
 Sample : PB167534ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#11

Quant Time: Apr 11 02:00:58 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)

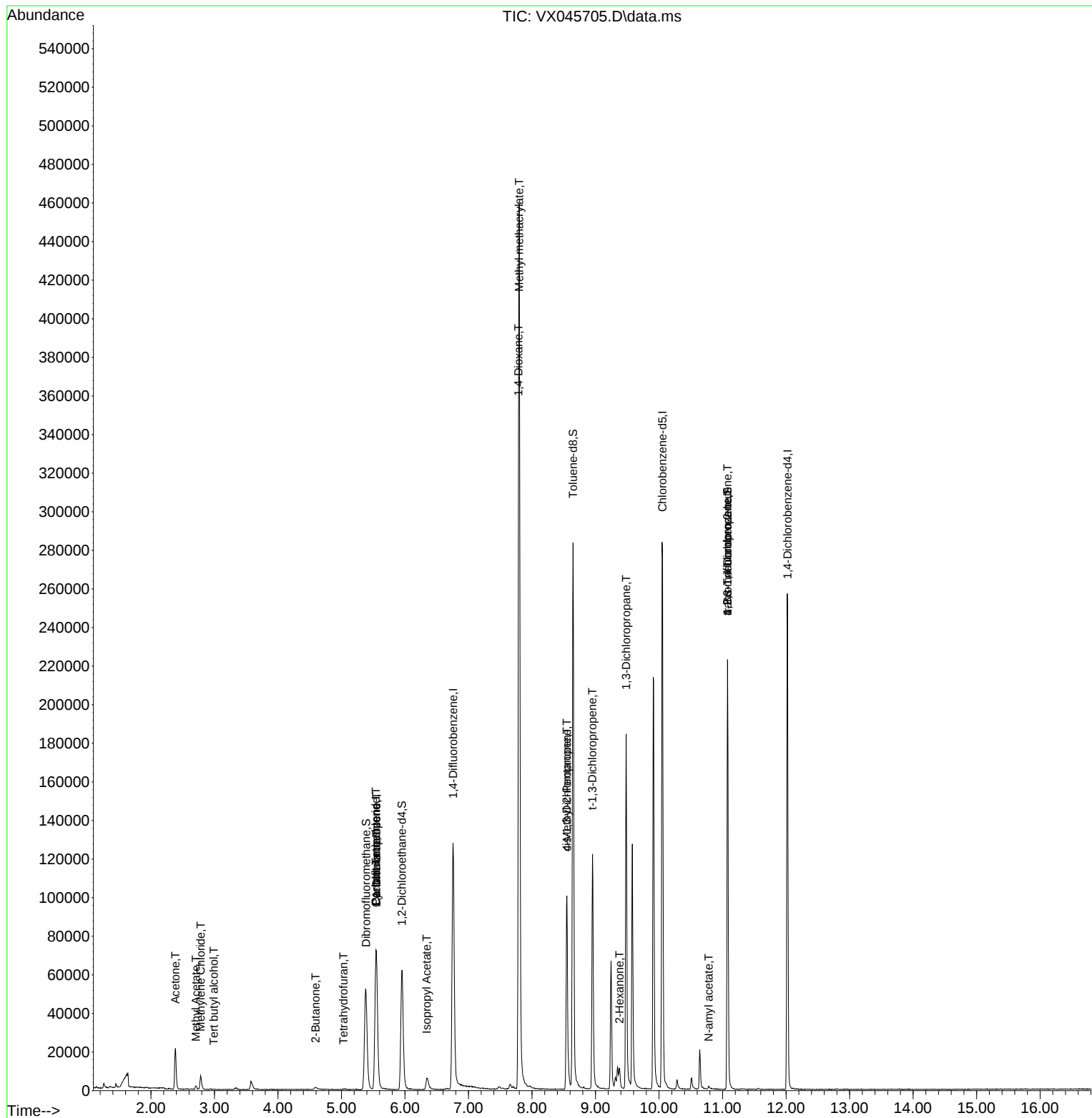
Internal Standards						
1) Pentafluorobenzene	5.543	168	62322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122679	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63877	56.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.100%			
35) Dibromofluoromethane	5.385	113	44618	51.261	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.646	98	160800	52.928	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.860%			
62) 4-Bromofluorobenzene	11.079	95	58450	52.819	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.640%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.989	59	315	2.057	ug/l #	72
16) Acetone	2.385	43	23702	50.646	ug/l	95
18) Methyl Acetate	2.708	43	2527	2.345	ug/l	95
20) Methylene Chloride	2.782	84	3157	3.603	ug/l	94
25) 2-Butanone	4.592	43	2621	3.826	ug/l	98
29) Tetrahydrofuran	5.031	42	89	0.200	ug/l #	35
31) Cyclohexane	5.549	56	1729	1.237	ug/l #	13
36) 1,1-Dichloropropene	5.549	75	6189	5.266	ug/l #	50
38) Carbon Tetrachloride	5.543	117	7411	5.835	ug/l #	16
43) Isopropyl Acetate	6.342	43	9666	4.306	ug/l	96
48) Methyl methacrylate	7.799	41	47041	40.588	ug/l #	50
49) 1,4-Dioxane	7.787	88	22	1.049	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	40329	27.102	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	177	2.417	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14884	11.537	ug/l #	74
57) 1,3-Dichloropropane	9.482	76	1505	0.999	ug/l #	42
59) 2-Hexanone	9.378	43	10905	9.896	ug/l #	28
74) N-amyl acetate	10.780	43	1185	0.635	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	34679	29.186	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34679	99.052	ug/l #	1

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

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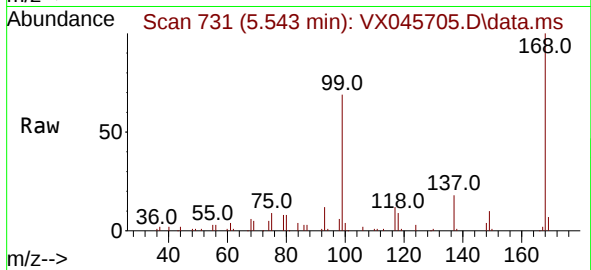
Quant Time: Apr 11 02:00:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



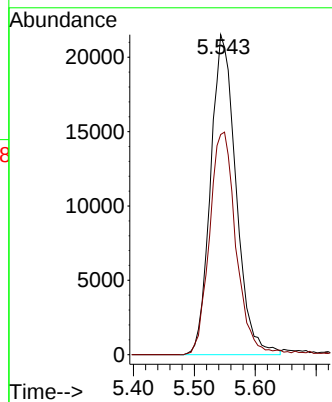
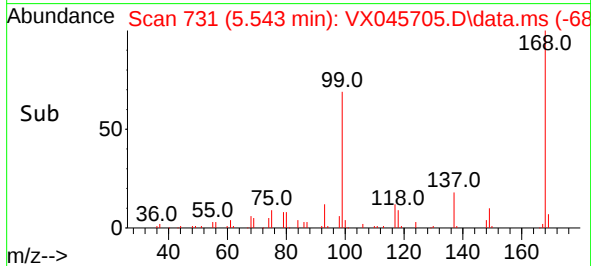


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.007 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

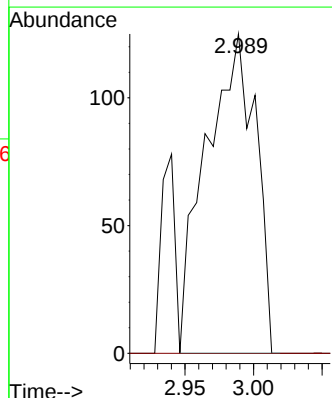
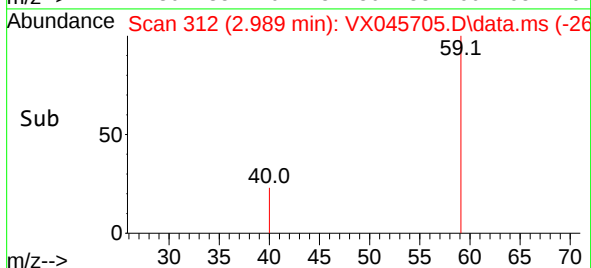
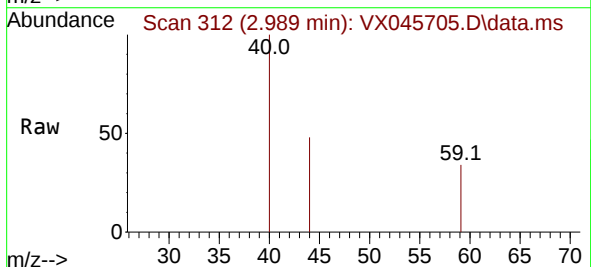


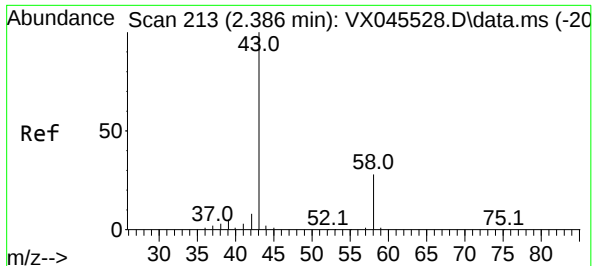
Tgt Ion:168 Resp: 62322
Ion Ratio Lower Upper
168 100
99 68.8 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.057 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

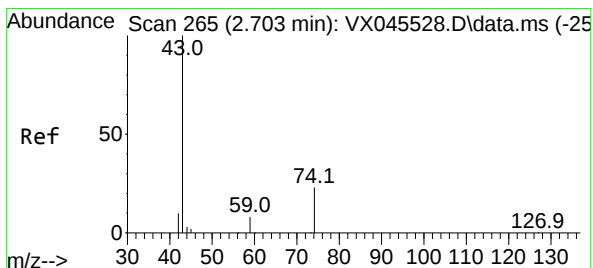
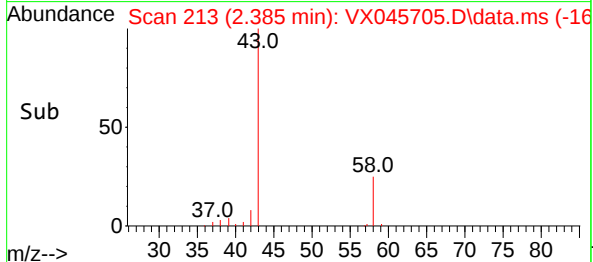
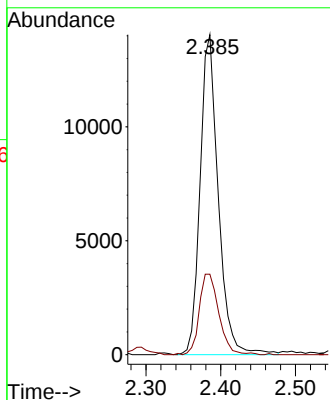
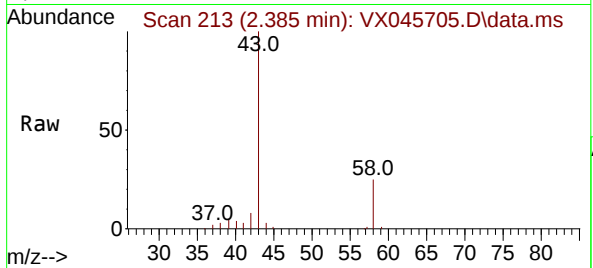




#16
Acetone
Concen: 50.646 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

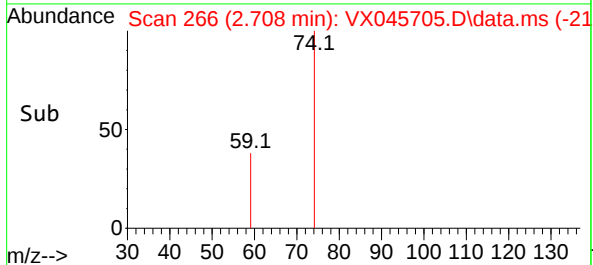
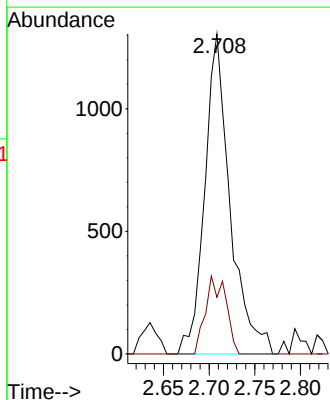
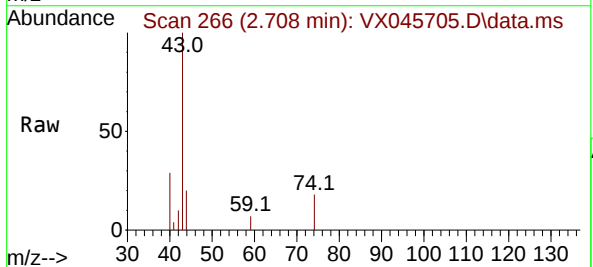
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

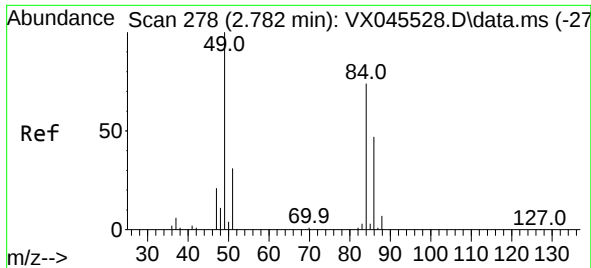
Tgt Ion: 43 Resp: 23702
Ion Ratio Lower Upper
43 100
58 25.2 22.3 33.5



#18
Methyl Acetate
Concen: 2.345 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 43 Resp: 2527
Ion Ratio Lower Upper
43 100
74 19.5 17.5 26.3

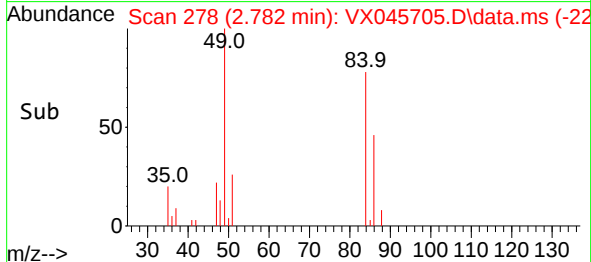
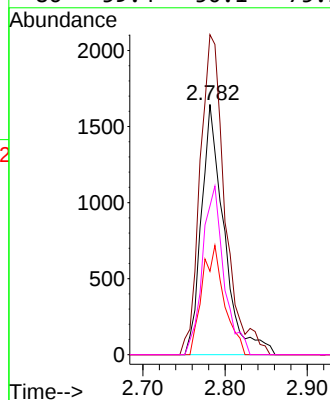
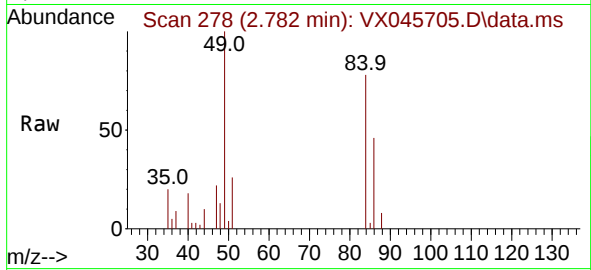




#20
Methylene Chloride
Concen: 3.603 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

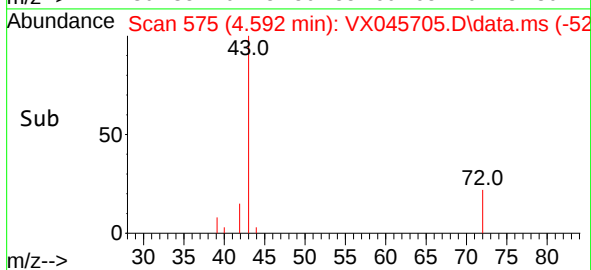
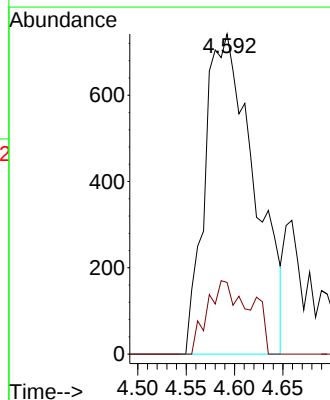
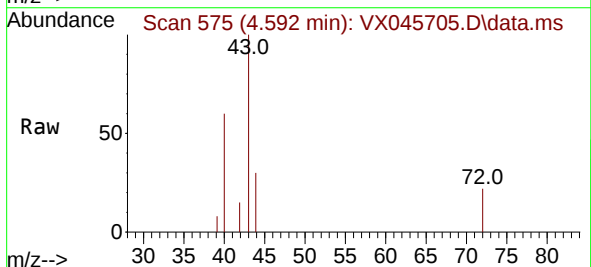
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

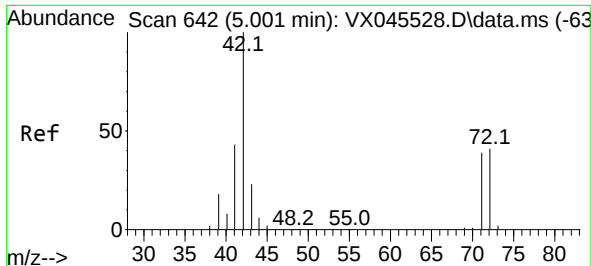
Tgt Ion:	84	Resp:	3157
Ion	Ratio	Lower	Upper
84	100		
49	127.9	107.5	161.3
51	33.3	33.0	49.6
86	59.4	50.1	75.1



#25
2-Butanone
Concen: 3.826 ug/l
RT: 4.592 min Scan# 575
Delta R.T. 0.036 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion:	43	Resp:	2621
Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.200 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045705.D

Acq: 10 Apr 2025 17:42

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#11

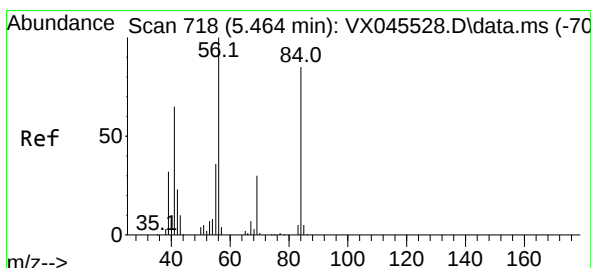
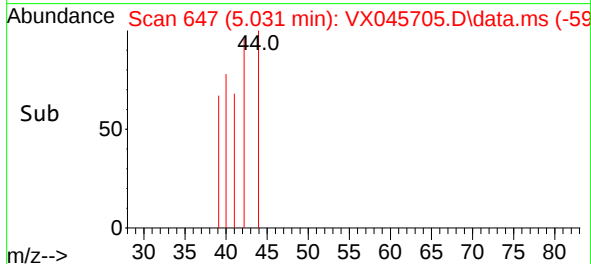
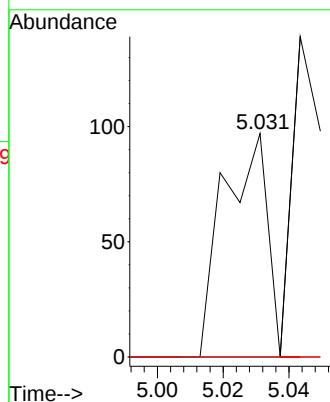
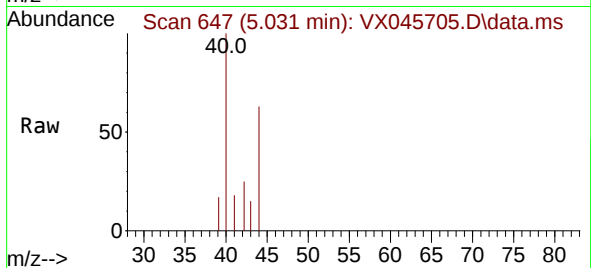
Tgt Ion: 42 Resp: 89

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045705.D

Acq: 10 Apr 2025 17:42

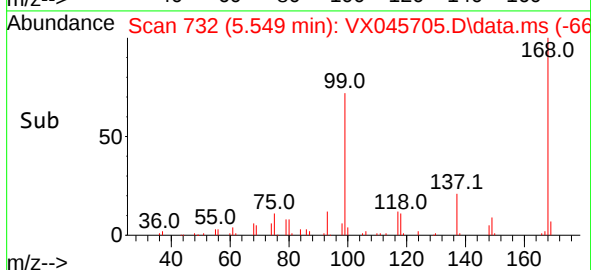
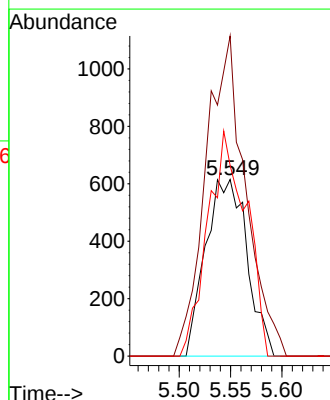
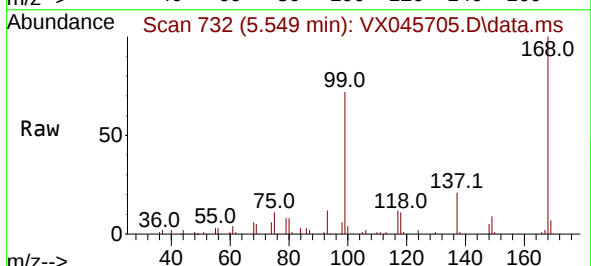
Tgt Ion: 56 Resp: 1729

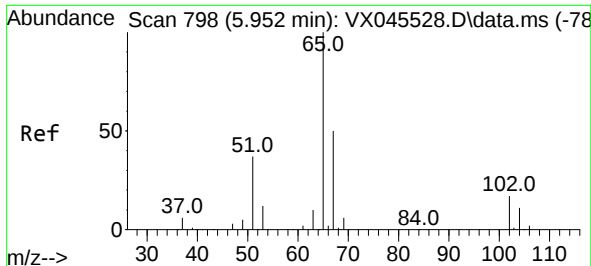
Ion Ratio Lower Upper

56 100

69 171.1 23.6 35.4#

84 108.0 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 56.047 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045705.D

Acq: 10 Apr 2025 17:42

Instrument :

MSVOA_X

ClientSampleId :

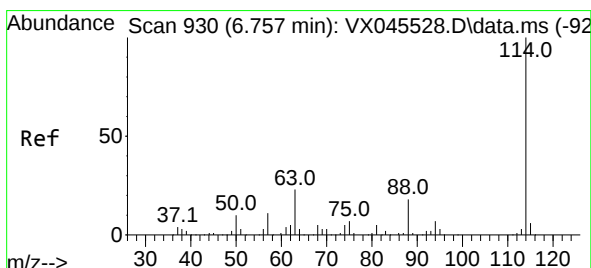
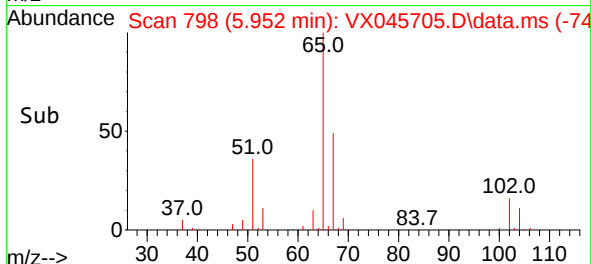
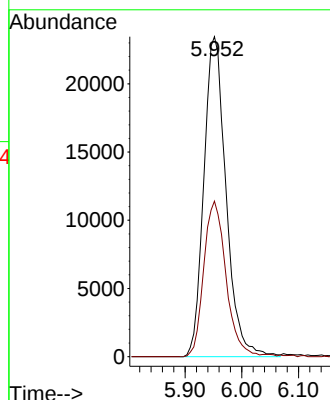
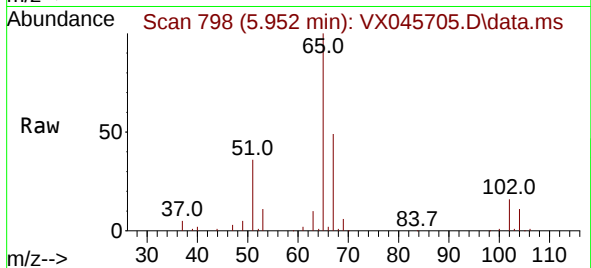
PB167534ZHE#11

Tgt Ion: 65 Resp: 63877

Ion Ratio Lower Upper

65 100

67 48.6 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: VX045705.D

Acq: 10 Apr 2025 17:42

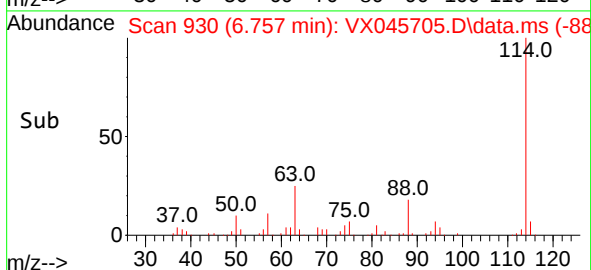
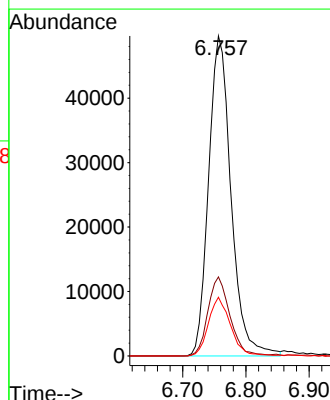
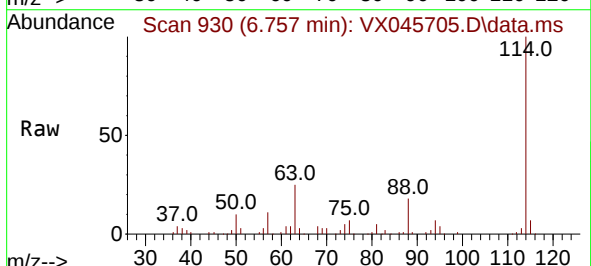
Tgt Ion: 114 Resp: 122679

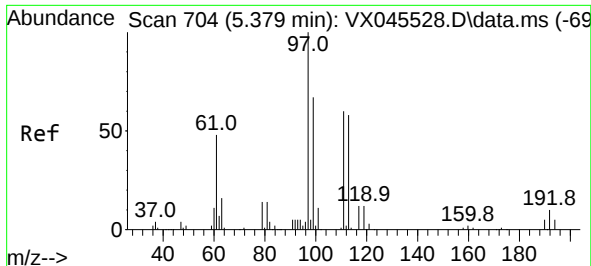
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.8

88 18.3 0.0 35.4

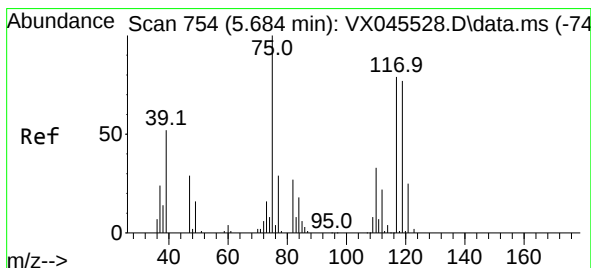
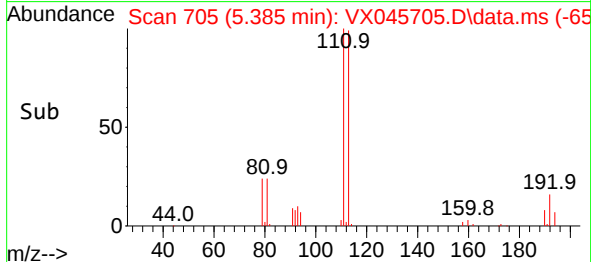
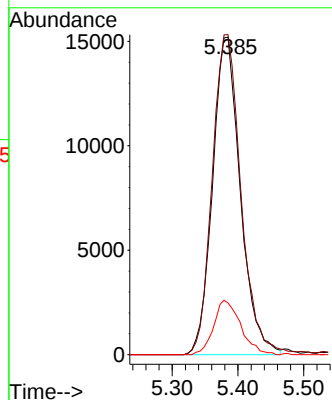
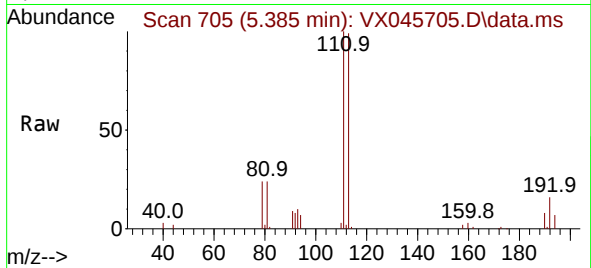




#35
Dibromofluoromethane
Concen: 51.261 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

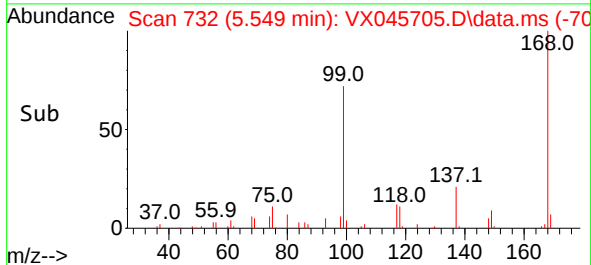
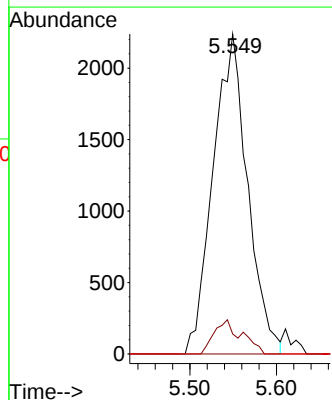
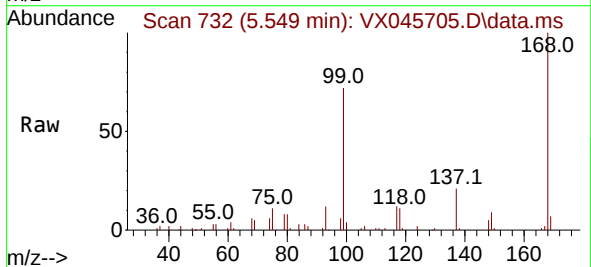
Instrument :
MSVOA_X
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PB167534ZHE#11

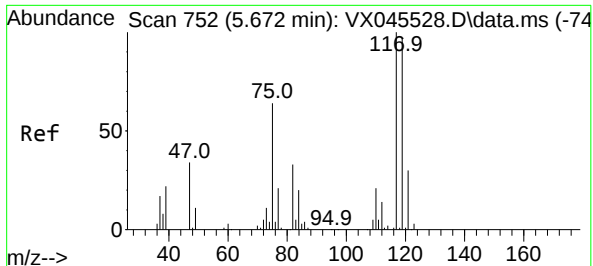
Tgt Ion:113 Resp: 44618
Ion Ratio Lower Upper
113 100
111 104.6 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.266 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

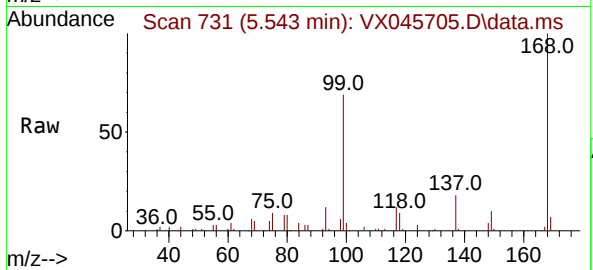
Tgt Ion: 75 Resp: 6189
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.6#
77 0.0 25.0 37.4#



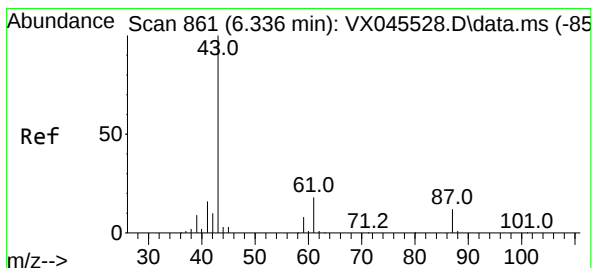
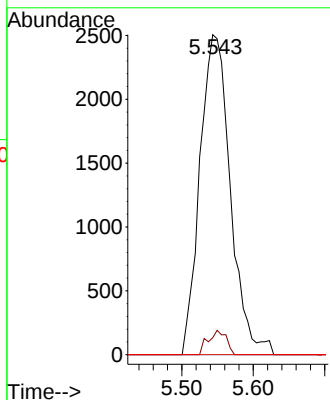
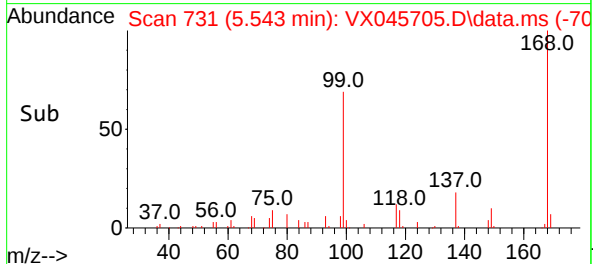


#38
Carbon Tetrachloride
Concen: 5.835 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

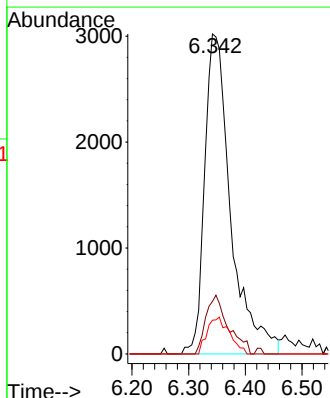
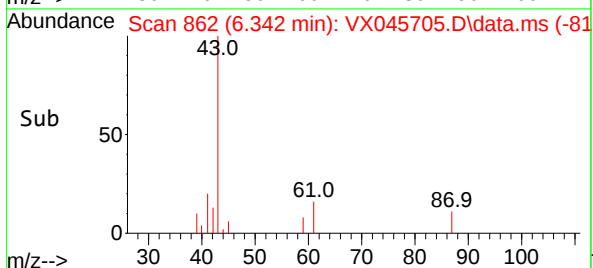
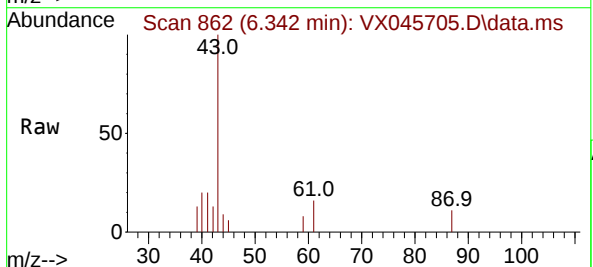


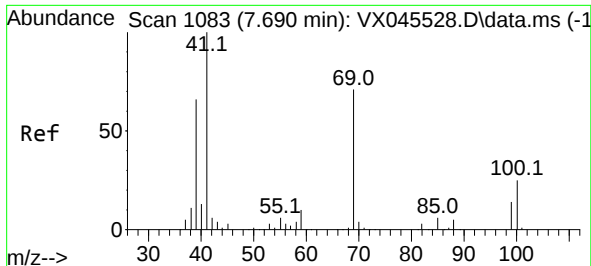
Tgt Ion:117 Resp: 7411
Ion Ratio Lower Upper
117 100
119 5.3 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.306 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 43 Resp: 9666
Ion Ratio Lower Upper
43 100
61 15.8 14.1 21.1
87 9.8 9.2 13.8

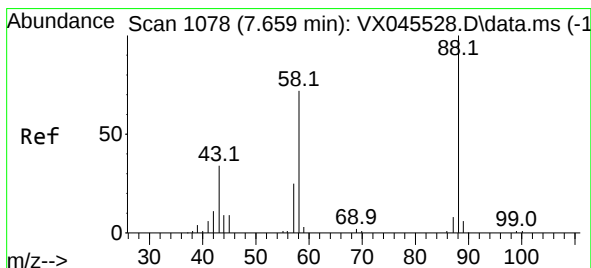
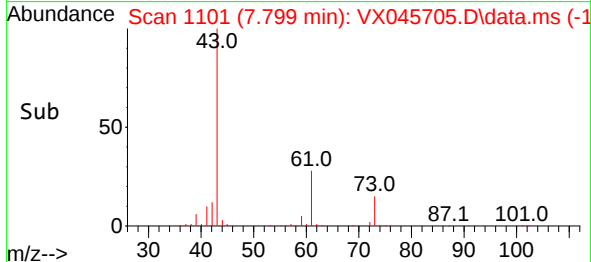
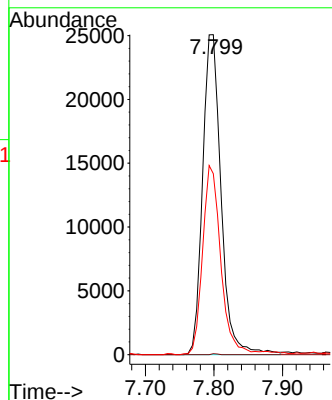
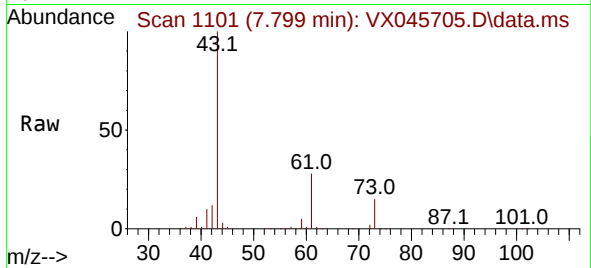




#48
Methyl methacrylate
Concen: 40.588 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

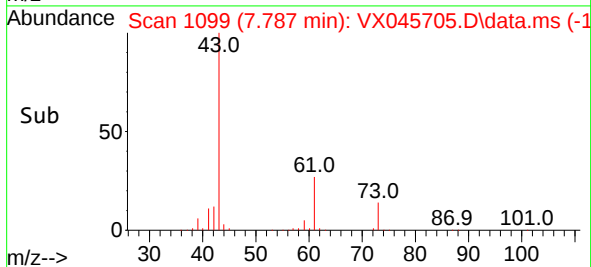
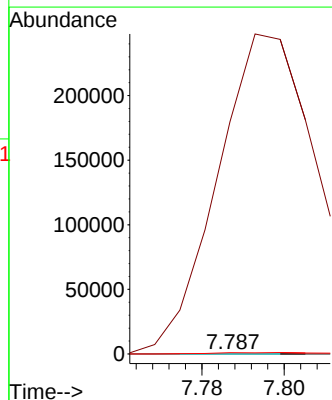
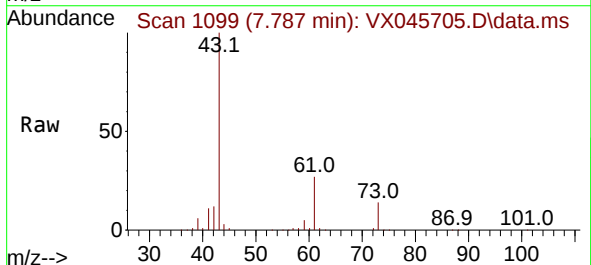
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

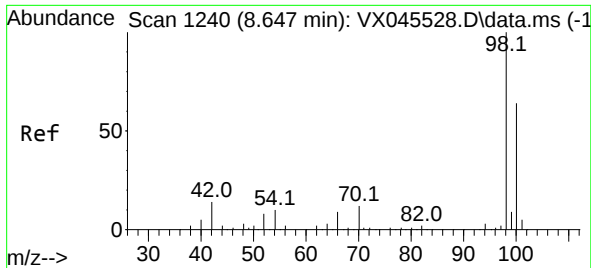
Tgt Ion: 41 Resp: 47041
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 59.3 53.6 80.4



#49
1,4-Dioxane
Concen: 1.049 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.128 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 2058059.1 32.2 48.4#
58 9572.7 58.6 88.0#

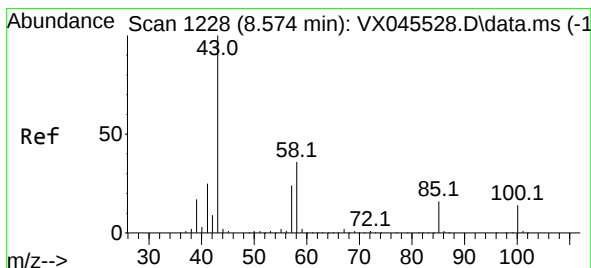
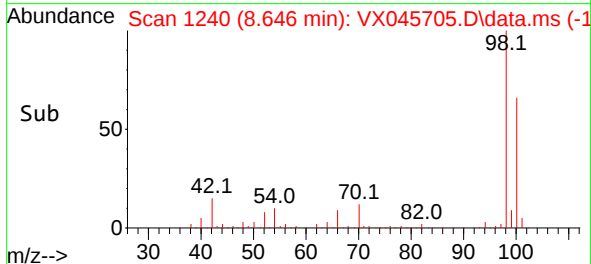
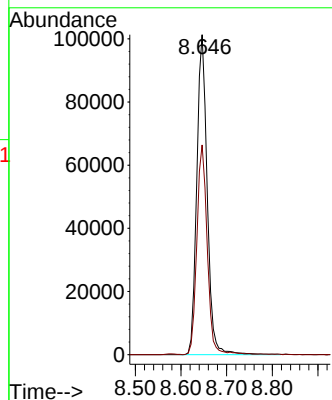
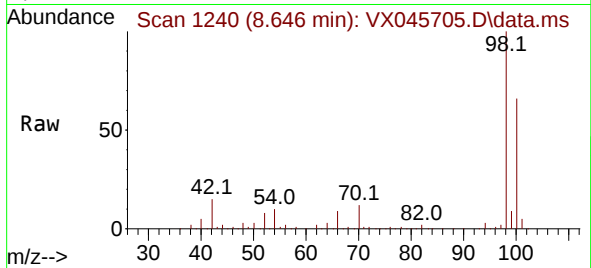




#50
Toluene-d8
Concen: 52.928 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

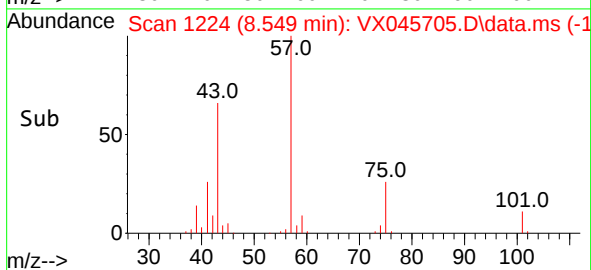
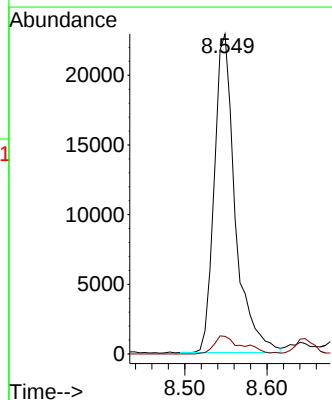
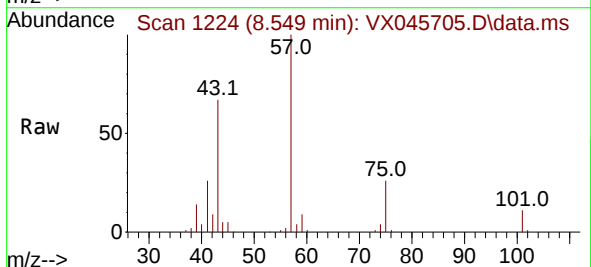
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

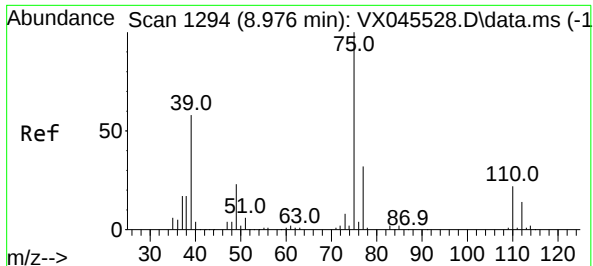
Tgt Ion: 98 Resp: 160800
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 27.102 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 43 Resp: 40329
Ion Ratio Lower Upper
43 100
58 7.7 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.417 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045705.D

Acq: 10 Apr 2025 17:42

Instrument :

MSVOA_X

ClientSampleId :

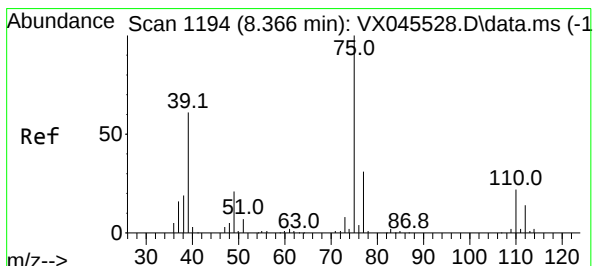
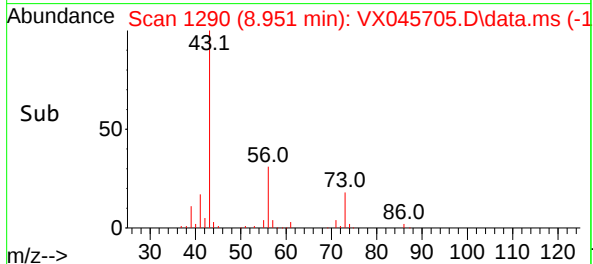
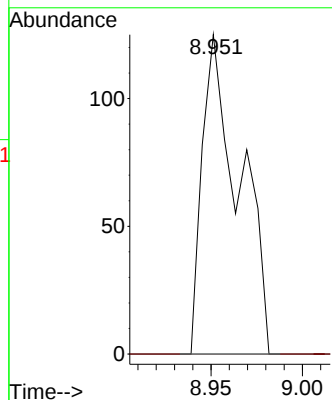
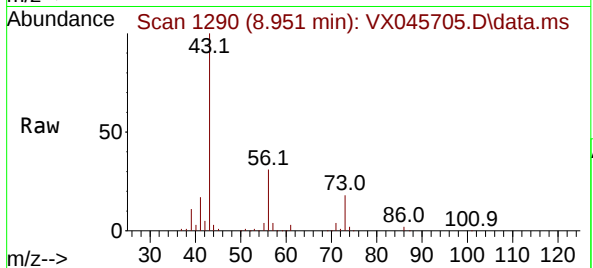
PB167534ZHE#11

Tgt Ion: 75 Resp: 177

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.537 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045705.D

Acq: 10 Apr 2025 17:42

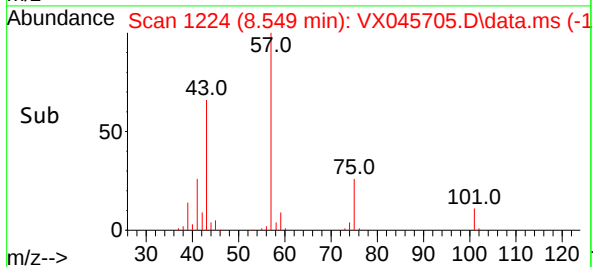
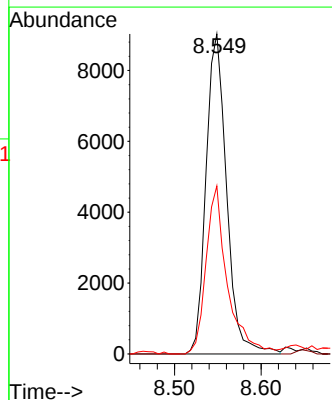
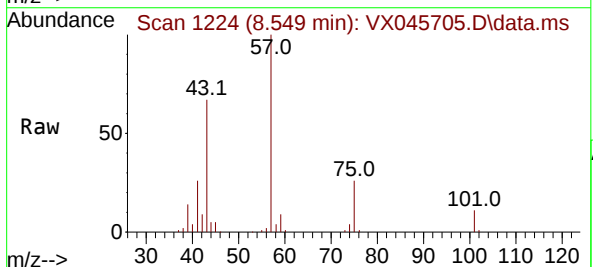
Tgt Ion: 75 Resp: 14884

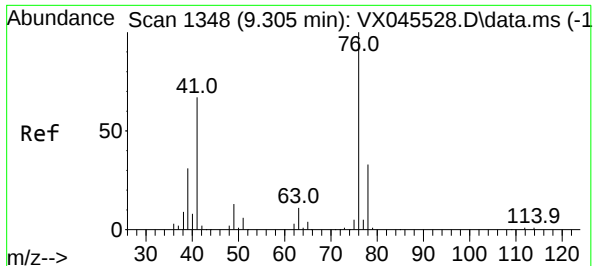
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 52.5 48.4 72.6

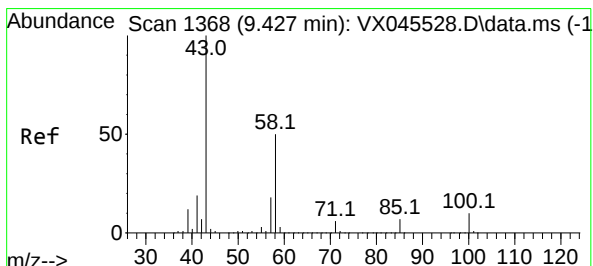
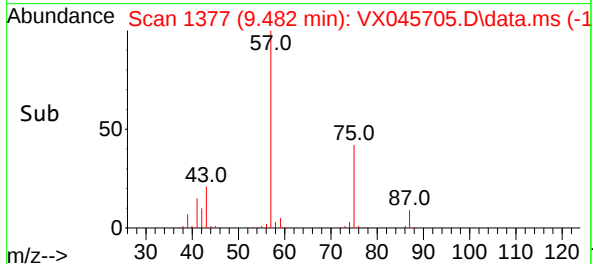
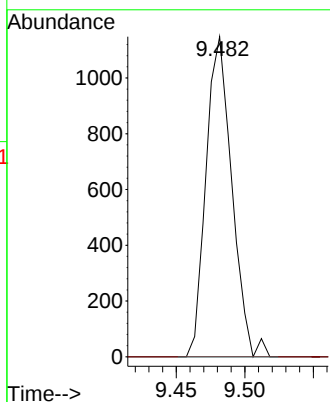
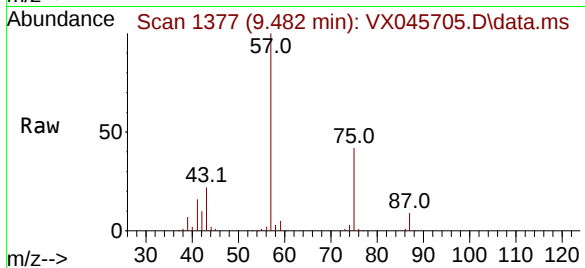




#57
1,3-Dichloropropane
Concen: 0.999 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

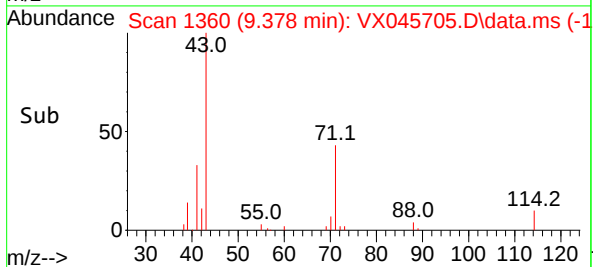
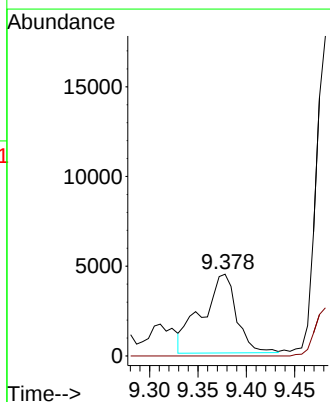
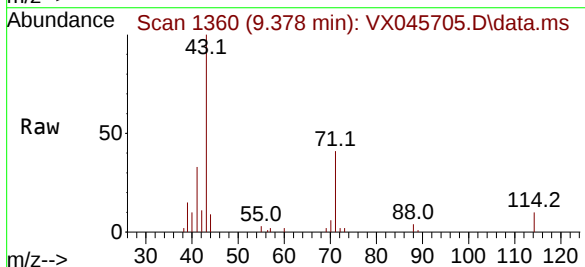
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

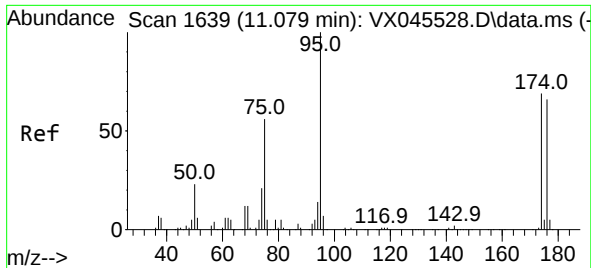
Tgt Ion: 76 Resp: 1505
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 9.896 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 43 Resp: 10905
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

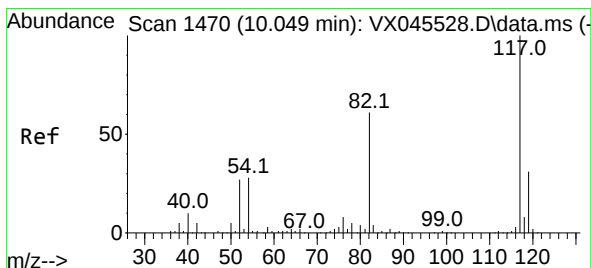
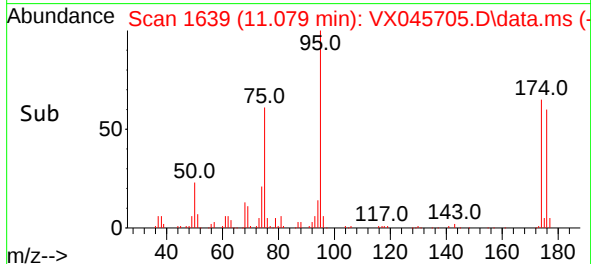
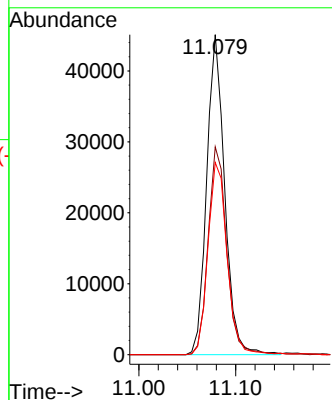
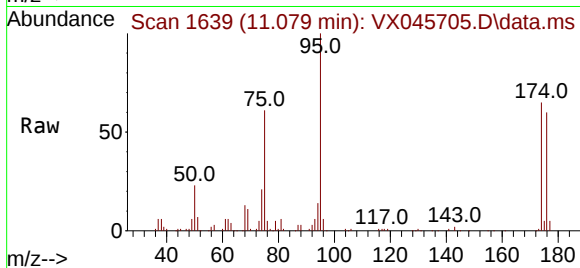




#62
4-Bromofluorobenzene
Concen: 52.819 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

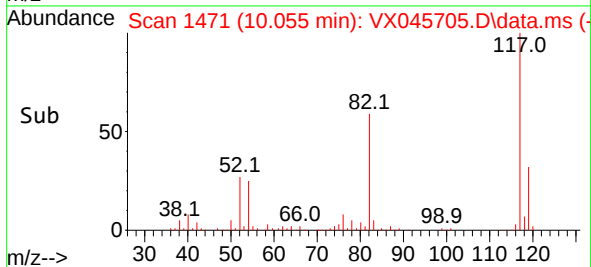
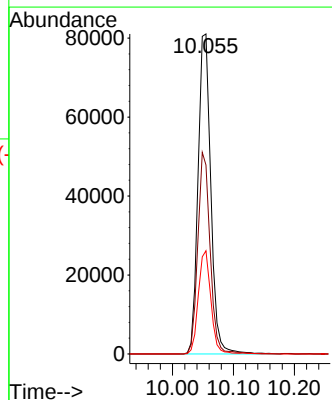
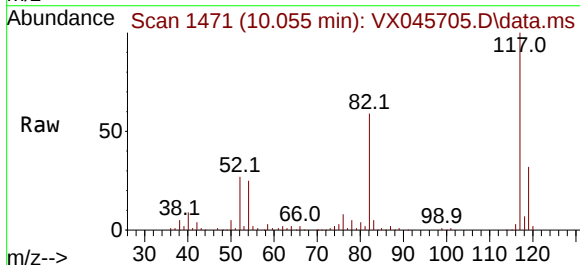
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

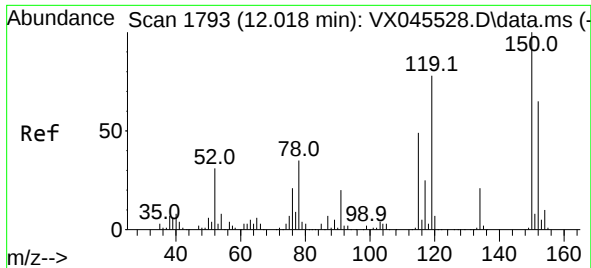
Tgt Ion: 95 Resp: 58450
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 117 Resp: 118209
Ion Ratio Lower Upper
117 100
82 59.1 49.2 73.8
119 32.3 25.1 37.7

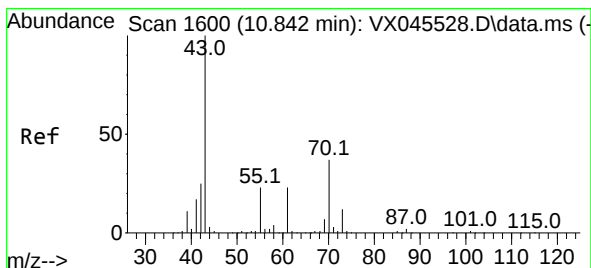
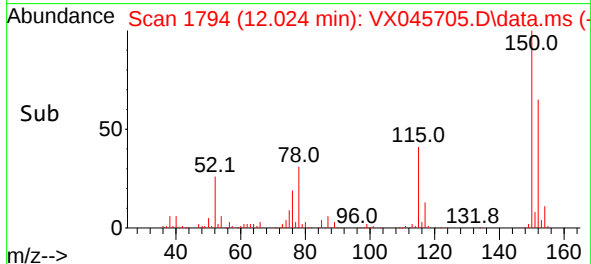
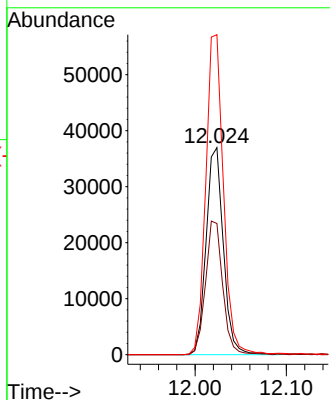
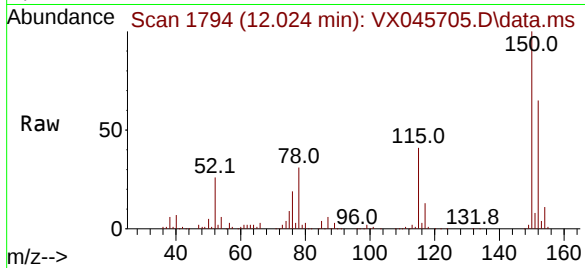




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045705.D
 Acq: 10 Apr 2025 17:42

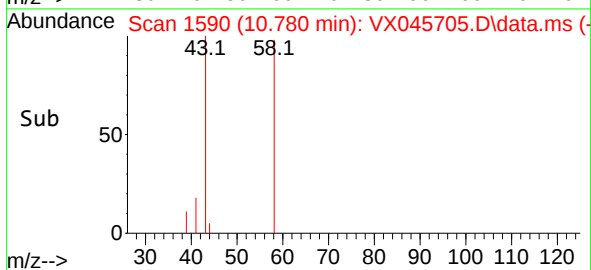
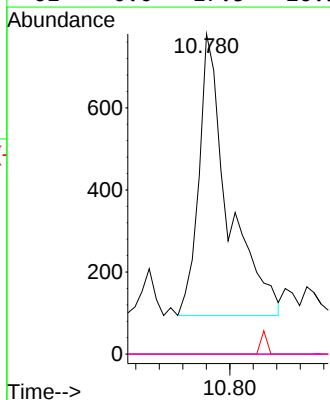
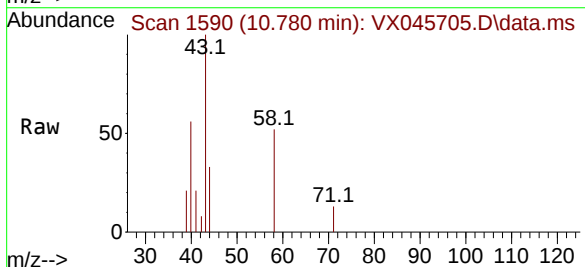
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#11

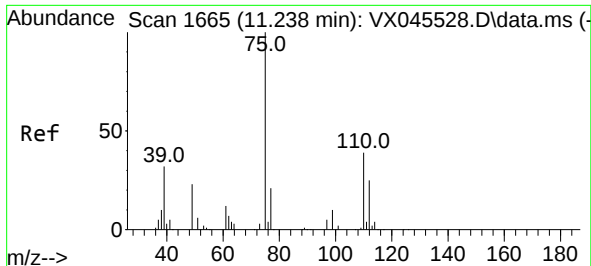
Tgt Ion:152 Resp: 48713
 Ion Ratio Lower Upper
 152 100
 115 64.2 46.9 140.7
 150 157.3 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.635 ug/l
 RT: 10.780 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045705.D
 Acq: 10 Apr 2025 17:42

Tgt Ion: 43 Resp: 1185
 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#

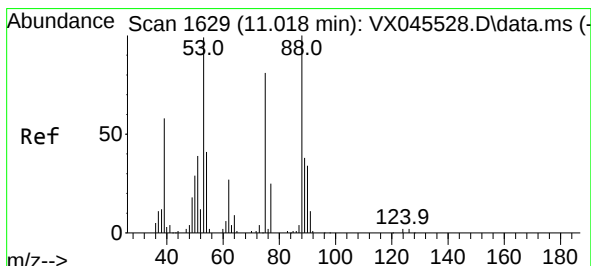
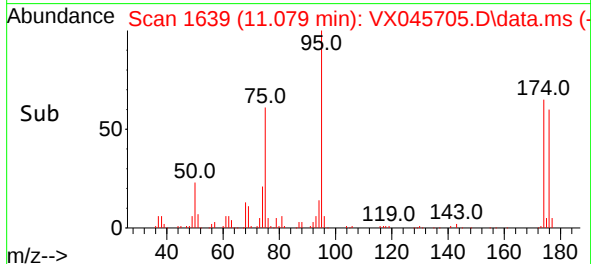
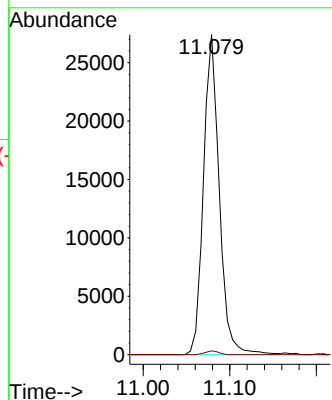
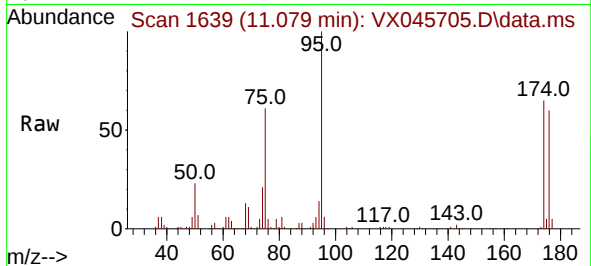




#76
1,2,3-Trichloropropane
Concen: 29.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#11

Tgt Ion: 75 Resp: 34679
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.052 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045705.D
Acq: 10 Apr 2025 17:42

Tgt Ion: 75 Resp: 34679
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#

