

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045701.D
 Acq On : 10 Apr 2025 16:09
 Operator : JC/MD
 Sample : PB167534ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#07

Quant Time: Apr 11 01:59:02 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)

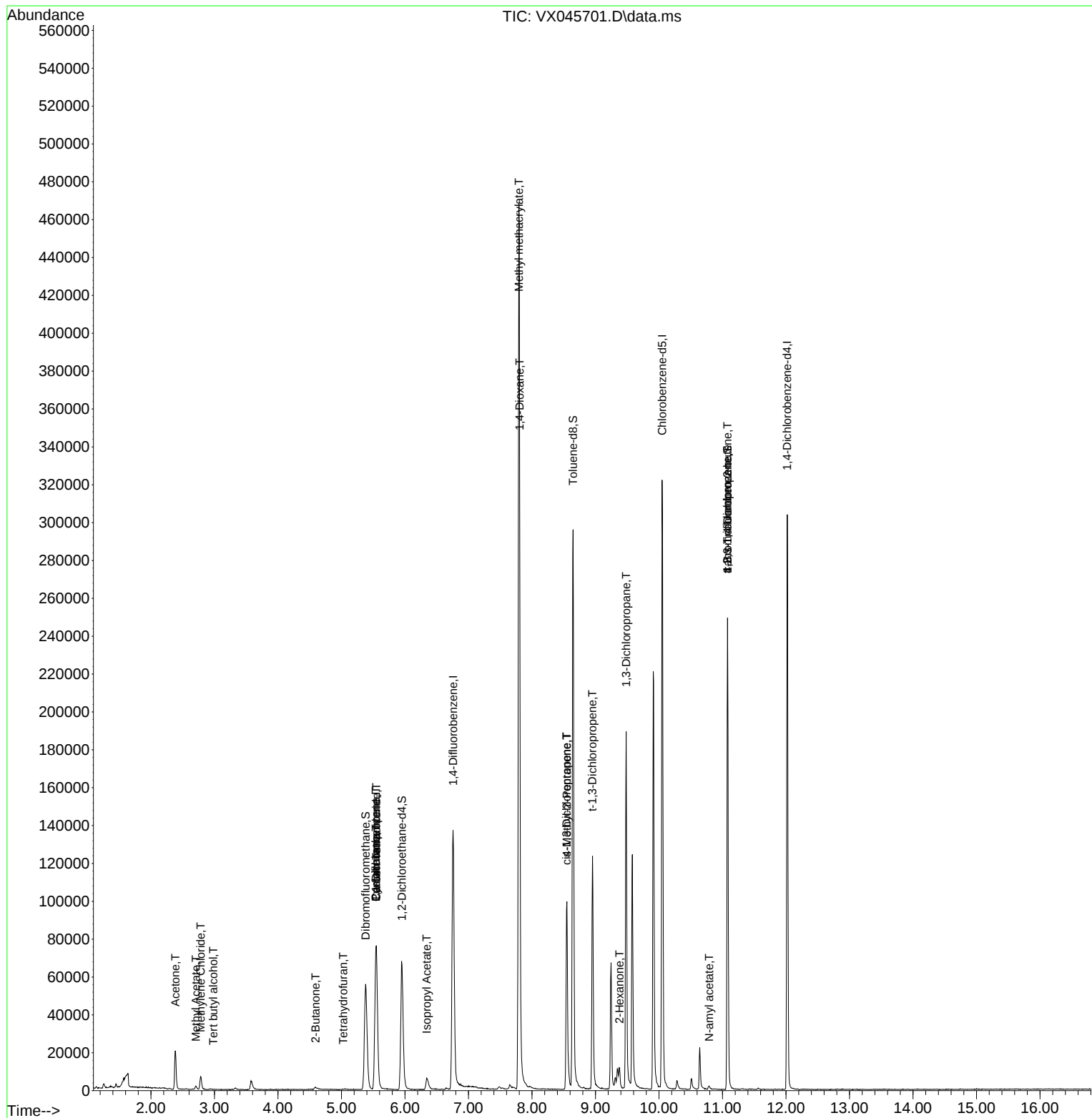
Internal Standards						
1) Pentafluorobenzene	5.544	168	66501	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132525	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67678	55.650	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.300%
35) Dibromofluoromethane	5.379	113	48235	51.299	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.600%
50) Toluene-d8	8.647	98	171721	52.324	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.640%
62) 4-Bromofluorobenzene	11.079	95	66017	55.224	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	154	0.942	ug/l #	72
16) Acetone	2.386	43	23388	46.834	ug/l	98
18) Methyl Acetate	2.709	43	2313	2.012	ug/l	100
20) Methylene Chloride	2.782	84	3203	3.426	ug/l	99
25) 2-Butanone	4.593	43	3060	4.186	ug/l	97
29) Tetrahydrofuran	5.026	42	95	0.200	ug/l #	35
31) Cyclohexane	5.544	56	1922	1.288	ug/l #	32
36) 1,1-Dichloropropene	5.544	75	6558	5.166	ug/l #	47
38) Carbon Tetrachloride	5.550	117	7989	5.823	ug/l #	16
43) Isopropyl Acetate	6.342	43	9555	3.940	ug/l	98
48) Methyl methacrylate	7.793	41	46817	37.394	ug/l #	50
49) 1,4-Dioxane	7.806	88	25	1.104	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	40822	25.395	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	219	2.436	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	15430	11.071	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1595	0.980	ug/l #	42
59) 2-Hexanone	9.378	43	11007	9.247	ug/l #	28
74) N-amyl acetate	10.787	43	1381	0.653	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	38134	28.328	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38134	96.143	ug/l #	1

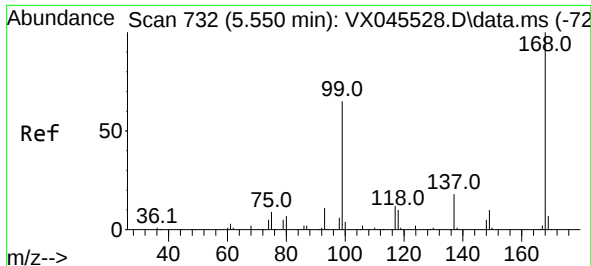
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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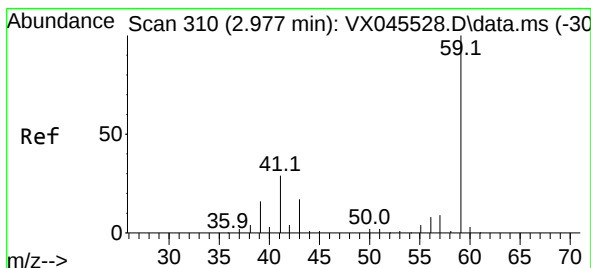
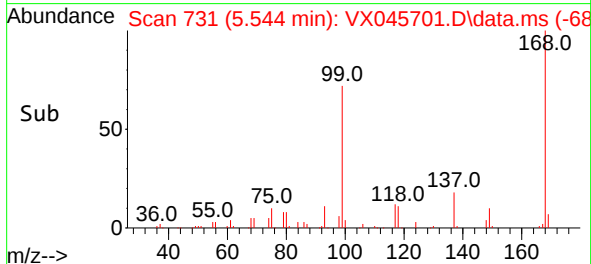
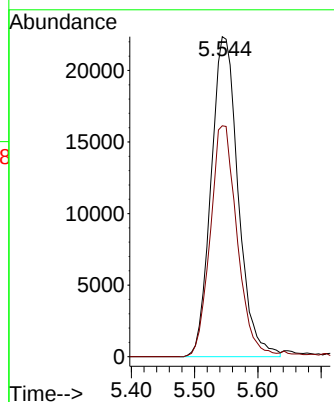
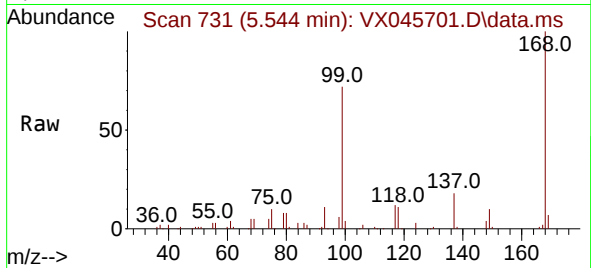




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

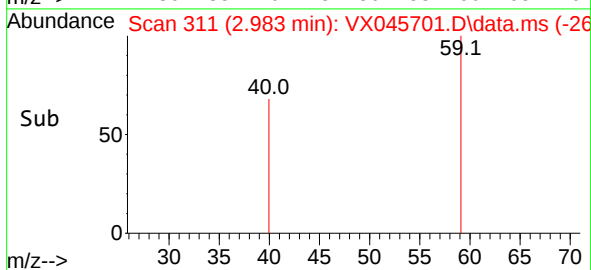
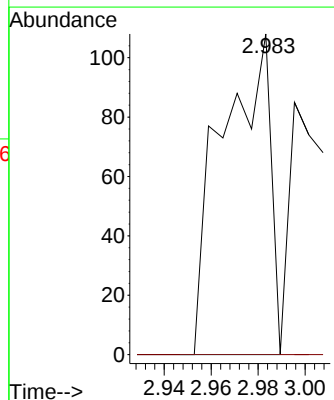
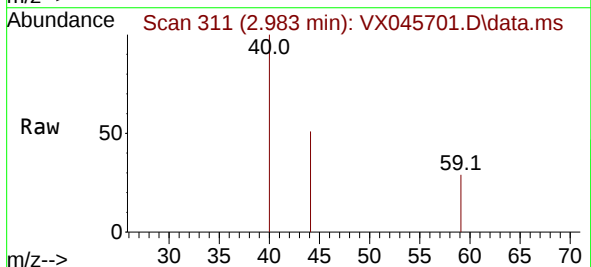
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

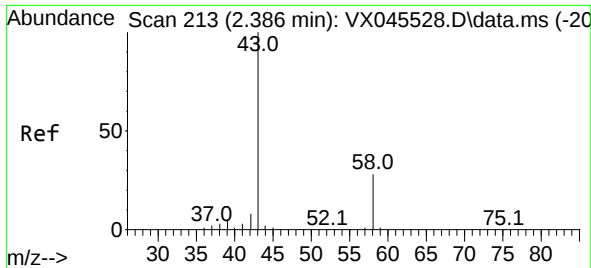
Tgt Ion:168 Resp: 66501
Ion Ratio Lower Upper
168 100
99 72.2 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.942 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

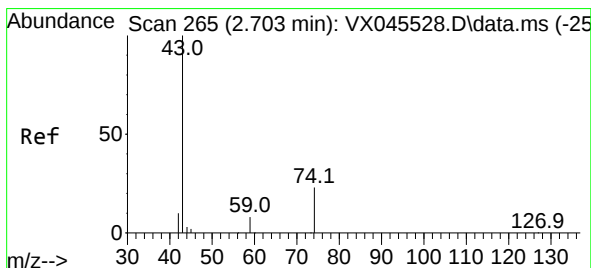
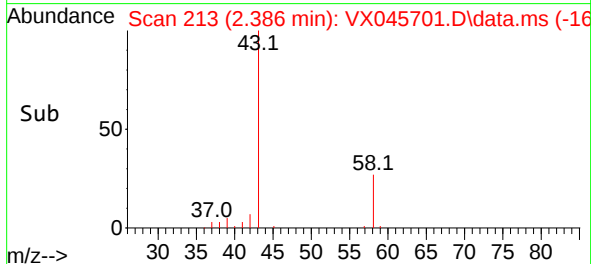
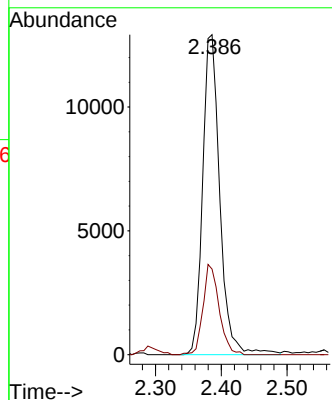
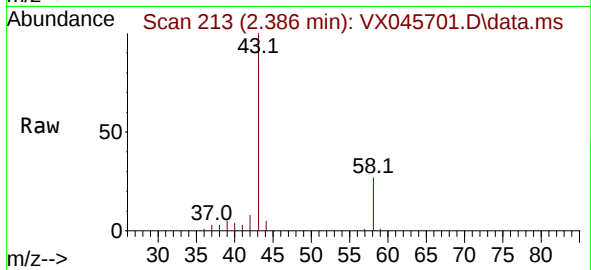




#16
Acetone
Concen: 46.834 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

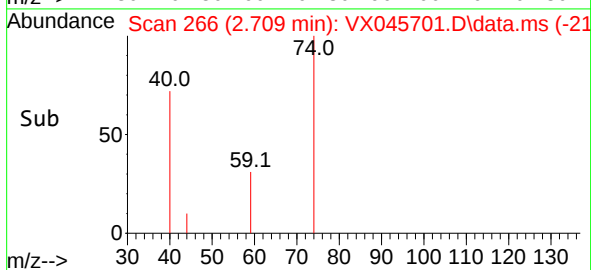
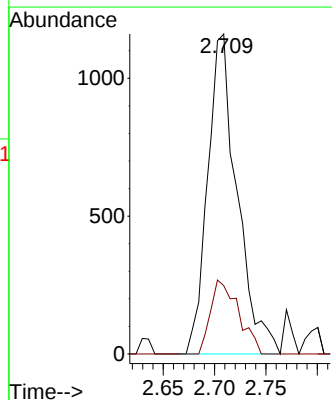
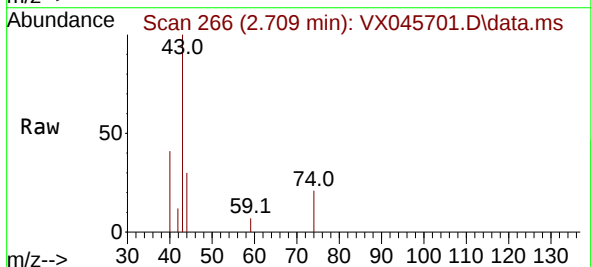
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

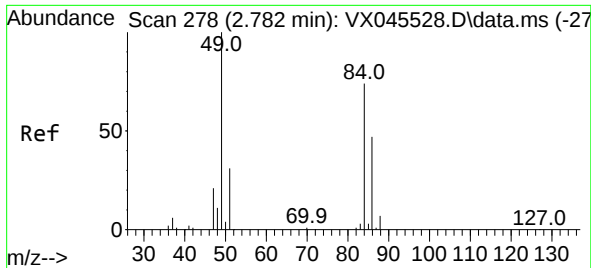
Tgt Ion: 43 Resp: 23388
Ion Ratio Lower Upper
43 100
58 26.7 22.3 33.5



#18
Methyl Acetate
Concen: 2.012 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3



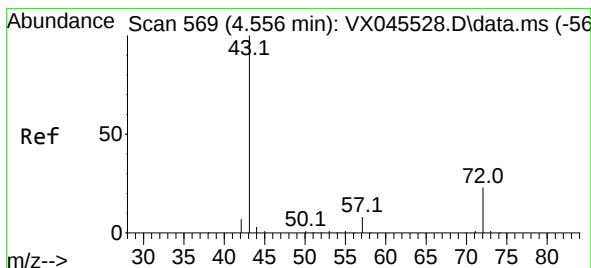
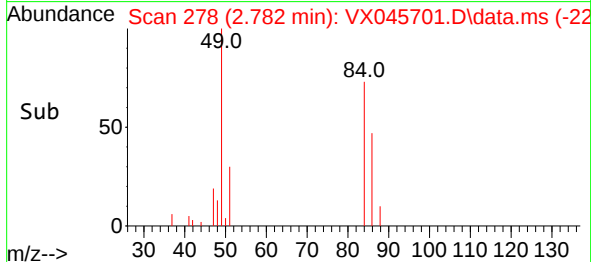
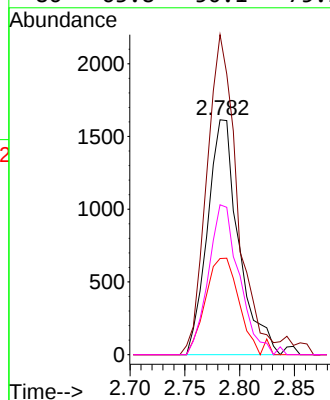
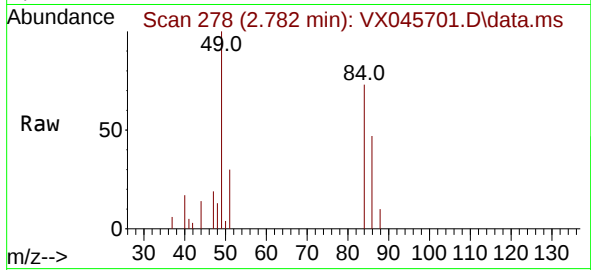


#20
Methylene Chloride
Concen: 3.426 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

Tgt Ion: 84 Resp: 3203

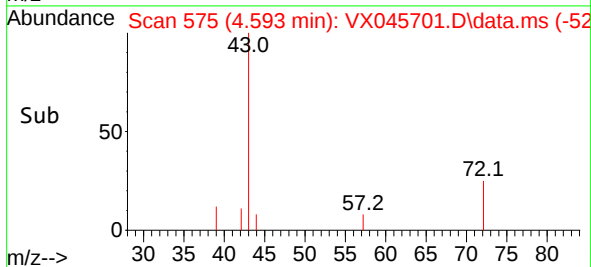
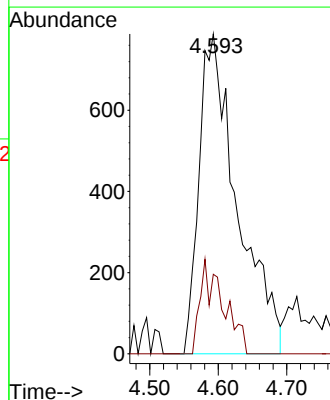
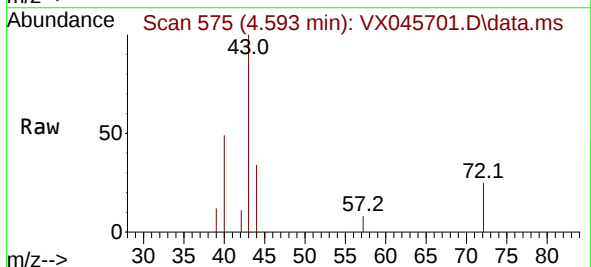
Ion	Ratio	Lower	Upper
84	100		
49	136.2	107.5	161.3
51	40.9	33.0	49.6
86	63.8	50.1	75.1

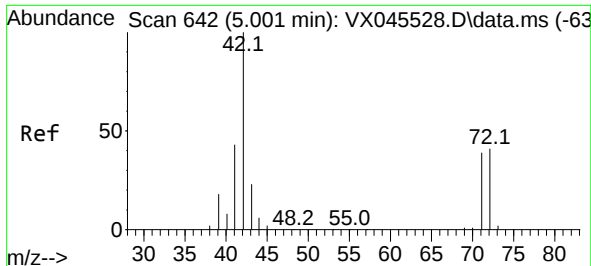


#25
2-Butanone
Concen: 4.186 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 43 Resp: 3060

Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.200 ug/l

RT: 5.026 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX045701.D

Acq: 10 Apr 2025 16:09

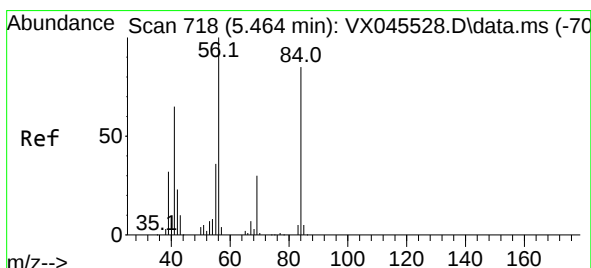
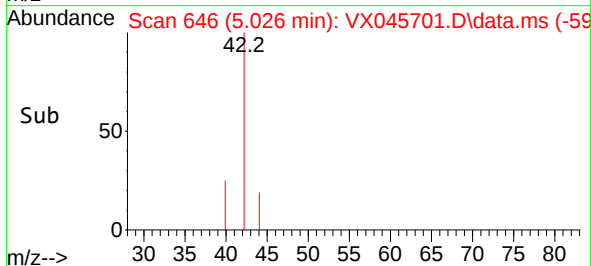
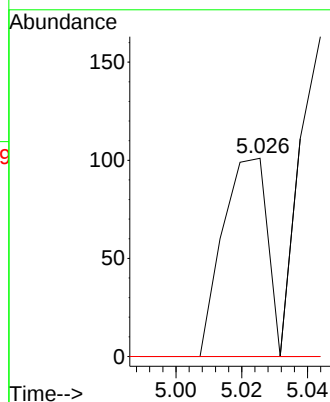
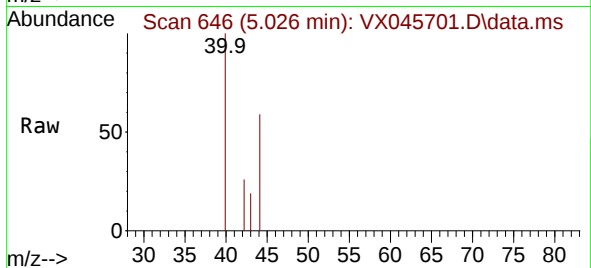
Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#07

Tgt Ion:	42	Resp:	95
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.0#
71	0.0	31.4	47.0#



#31

Cyclohexane

Concen: 1.288 ug/l

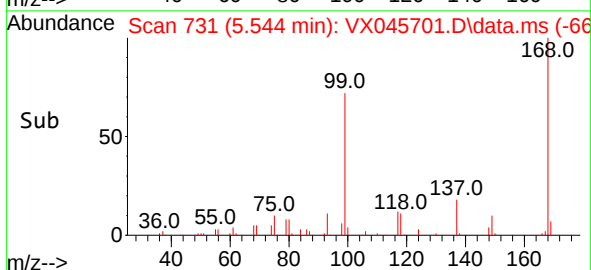
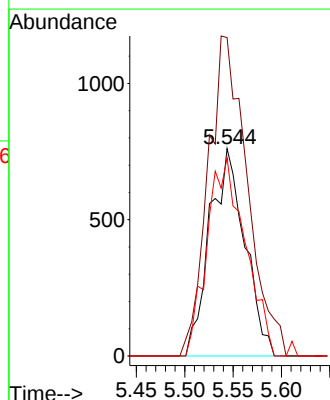
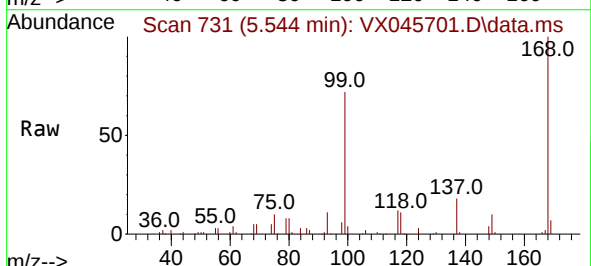
RT: 5.544 min Scan# 731

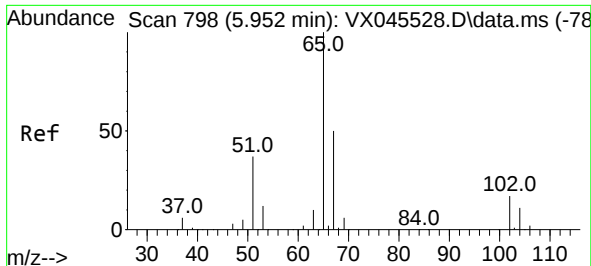
Delta R.T. 0.079 min

Lab File: VX045701.D

Acq: 10 Apr 2025 16:09

Tgt Ion:	56	Resp:	1922
Ion	Ratio	Lower	Upper
56	100		
69	153.5	23.6	35.4#
84	95.5	67.7	101.5

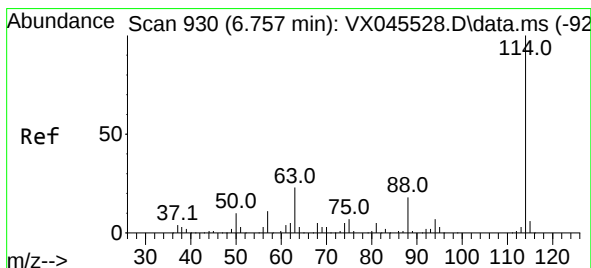
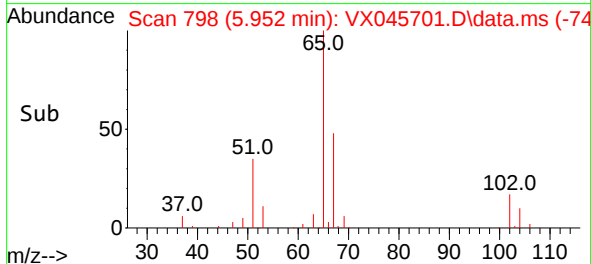
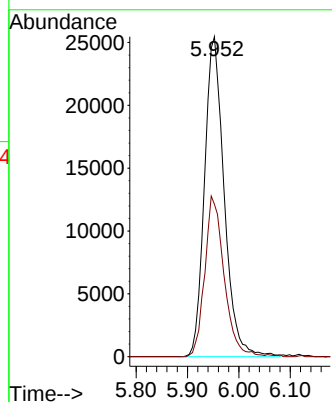
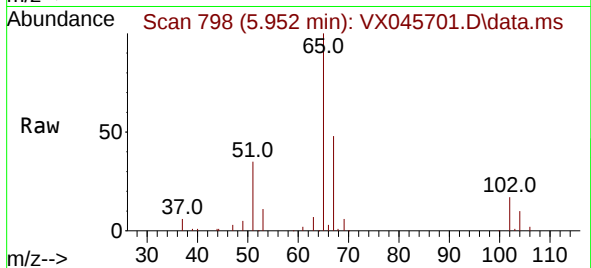




#33
 1,2-Dichloroethane-d4
 Concen: 55.650 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045701.D
 Acq: 10 Apr 2025 16:09

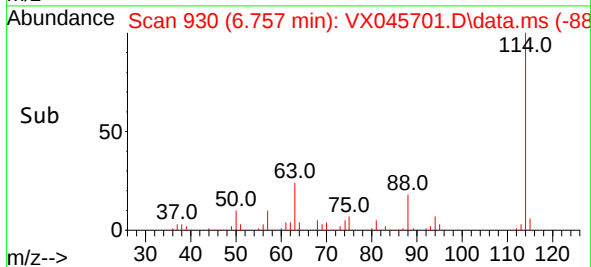
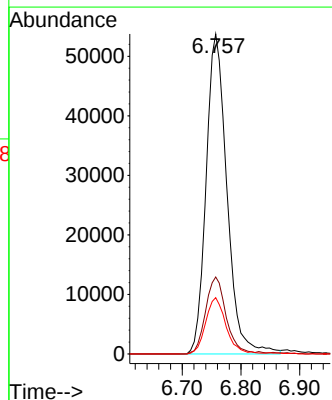
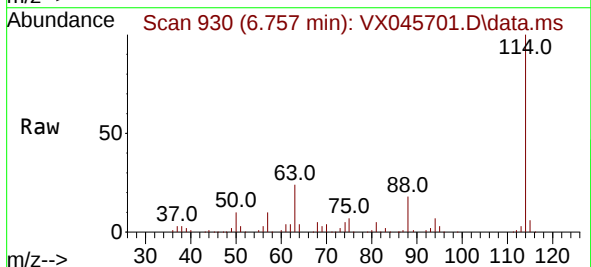
Instrument :
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 ClientSampleId :
 PB167534ZHE#07

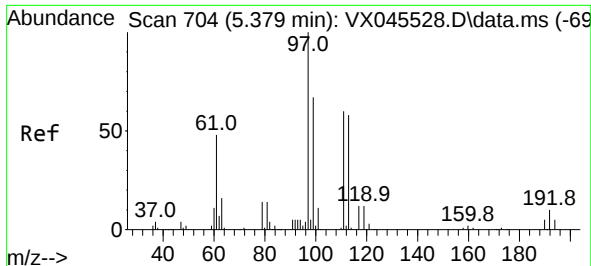
Tgt Ion: 65 Resp: 67678
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045701.D
 Acq: 10 Apr 2025 16:09

Tgt Ion: 114 Resp: 132525
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 46.8
 88 17.6 0.0 35.4

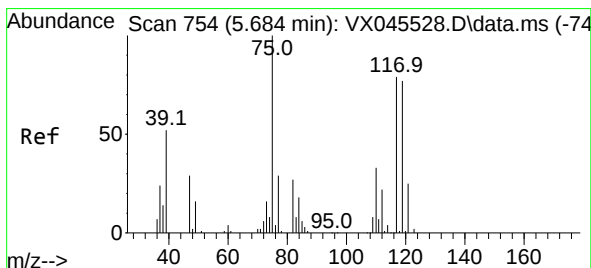
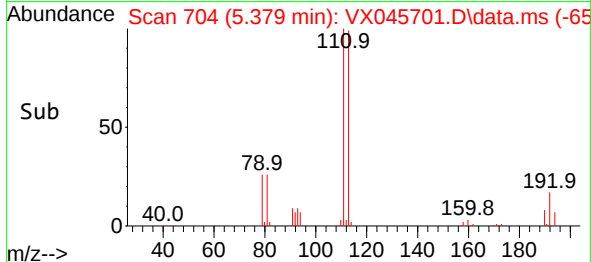
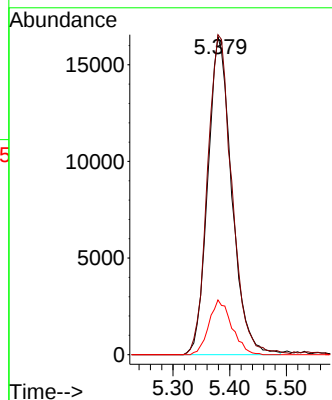
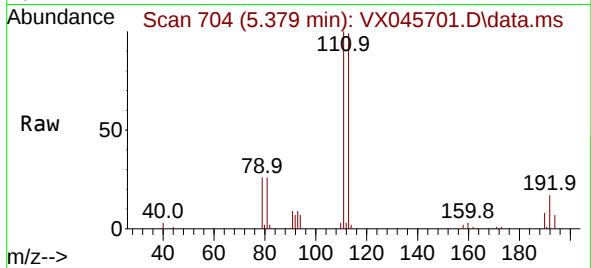




#35
Dibromofluoromethane
Concen: 51.299 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

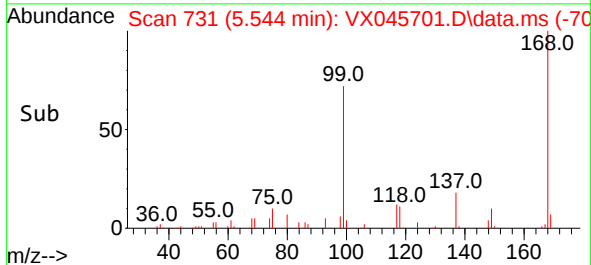
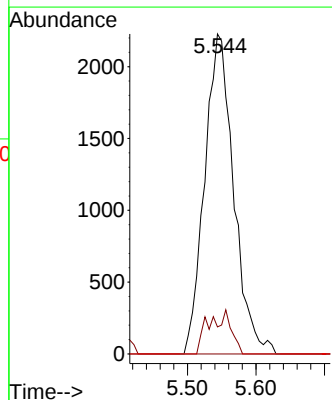
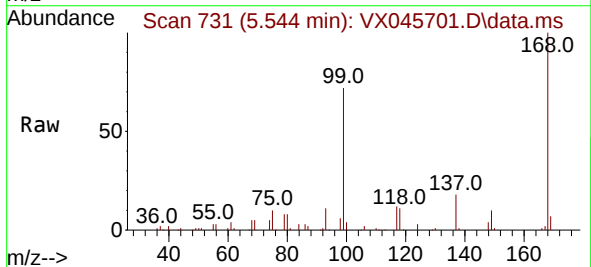
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PB167534ZHE#07

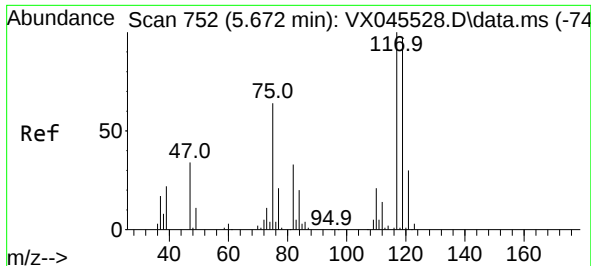
Tgt Ion:113 Resp: 48235
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 16.4 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.166 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

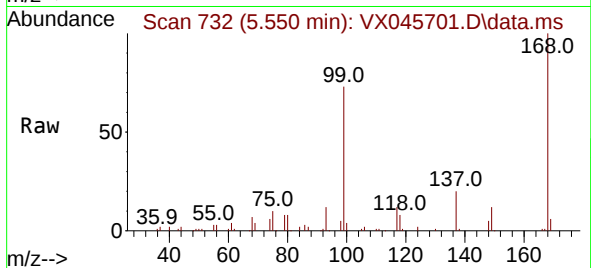
Tgt Ion: 75 Resp: 6558
Ion Ratio Lower Upper
75 100
110 5.6 16.9 50.6#
77 0.0 25.0 37.4#



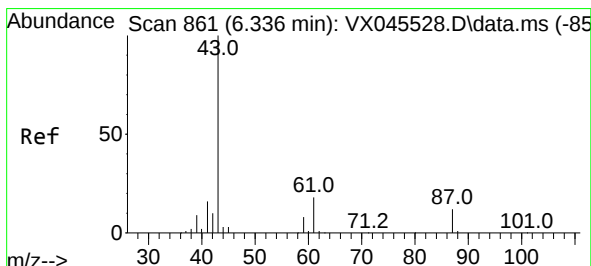
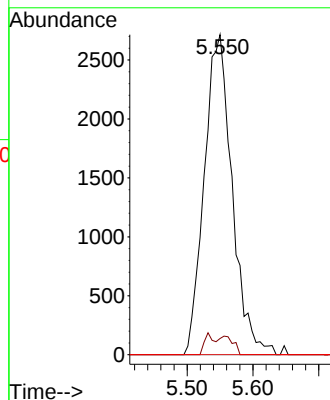
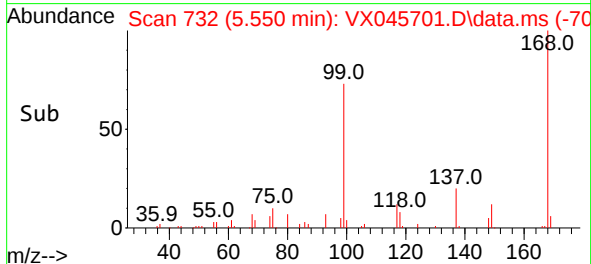


#38
Carbon Tetrachloride
Concen: 5.823 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

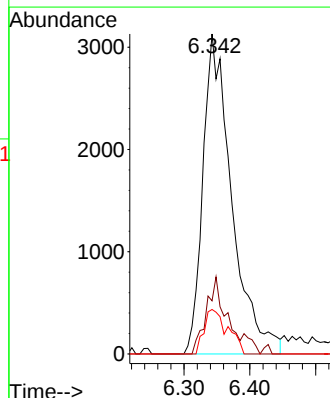
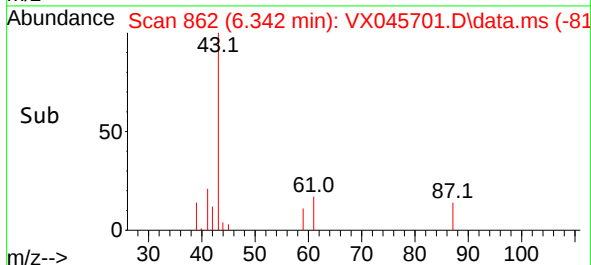
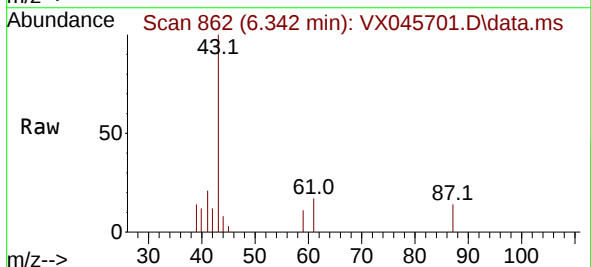


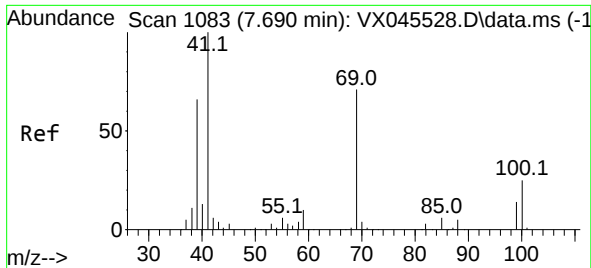
Tgt Ion:117 Resp: 7989
Ion Ratio Lower Upper
117 100
119 5.0 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.940 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 43 Resp: 9555
Ion Ratio Lower Upper
43 100
61 16.3 14.1 21.1
87 11.3 9.2 13.8

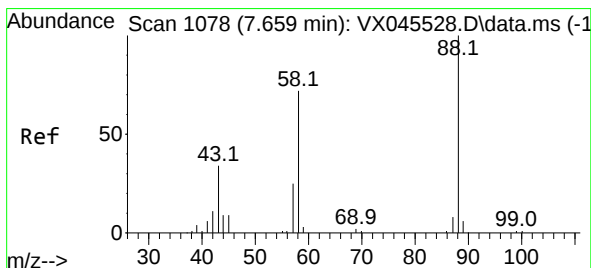
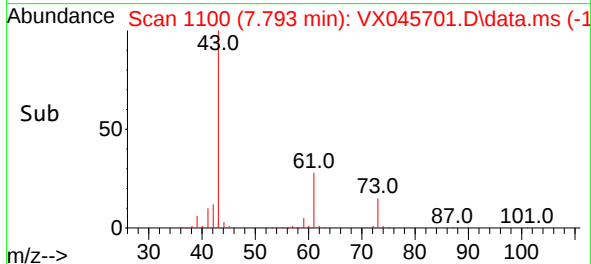
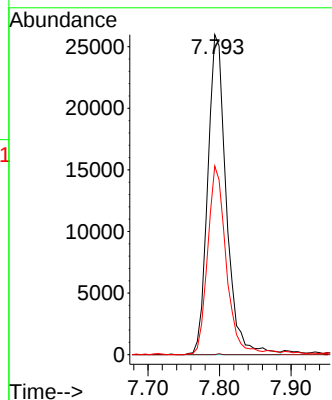
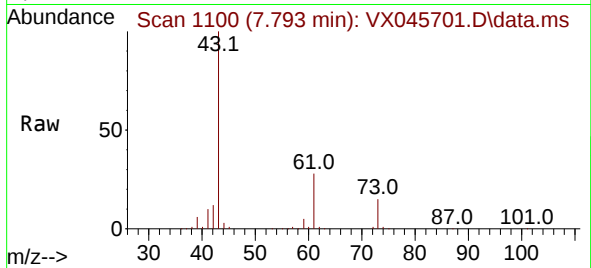




#48
Methyl methacrylate
Concen: 37.394 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

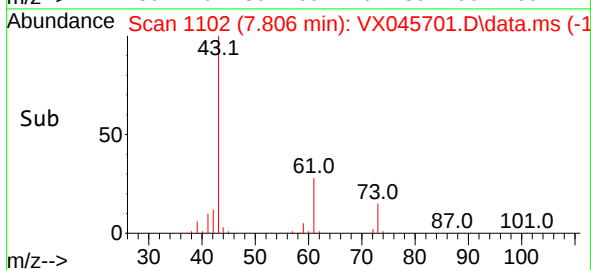
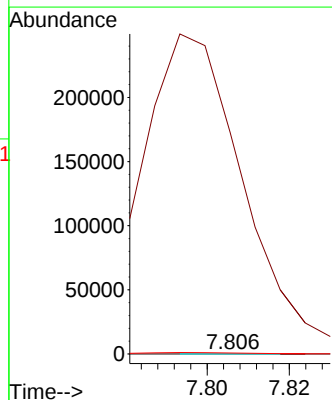
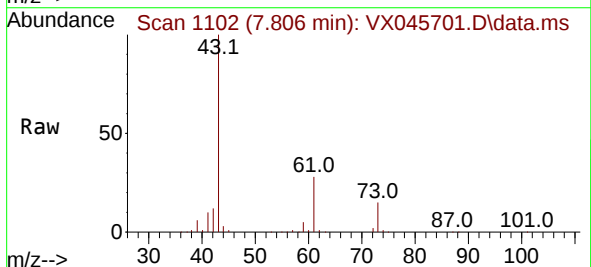
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

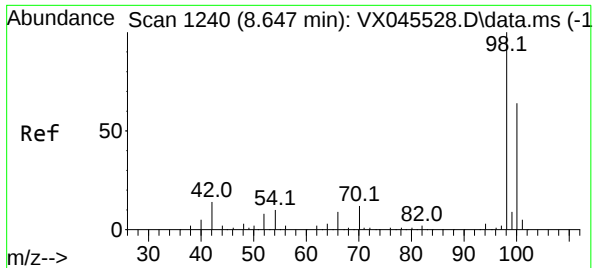
Tgt Ion: 41 Resp: 46817
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.6 53.6 80.4



#49
1,4-Dioxane
Concen: 1.104 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 1809912.0 32.2 48.4#
58 8260.0 58.6 88.0#

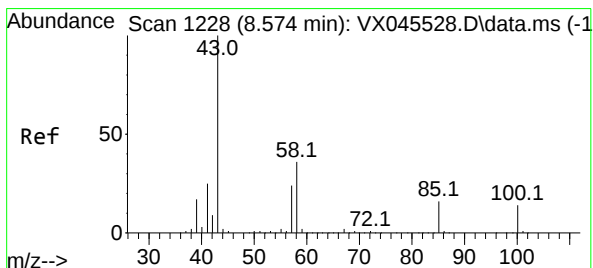
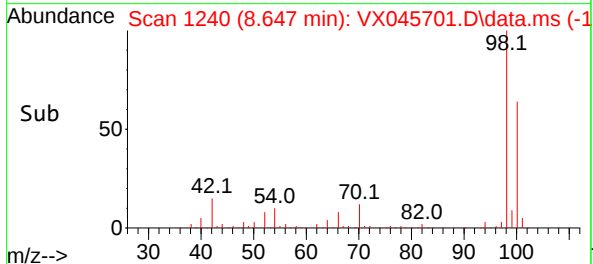
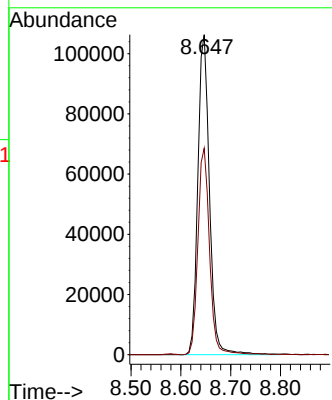
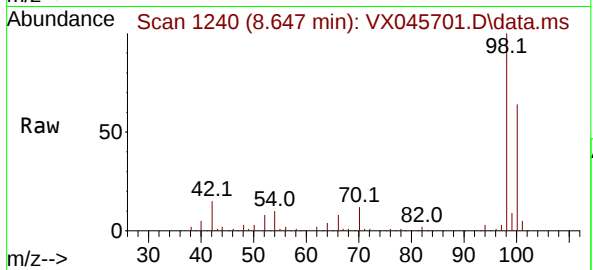




#50
Toluene-d8
Concen: 52.324 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

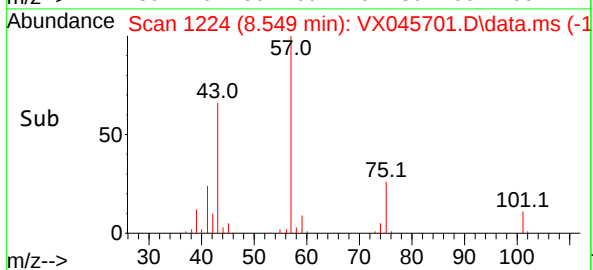
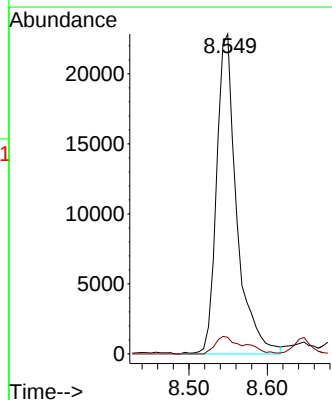
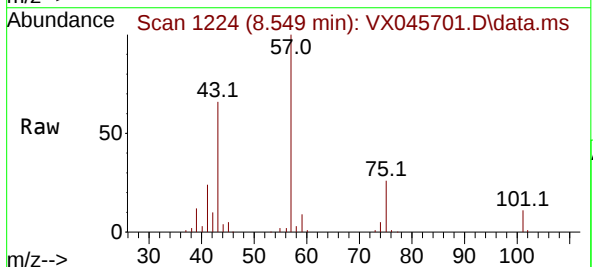
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

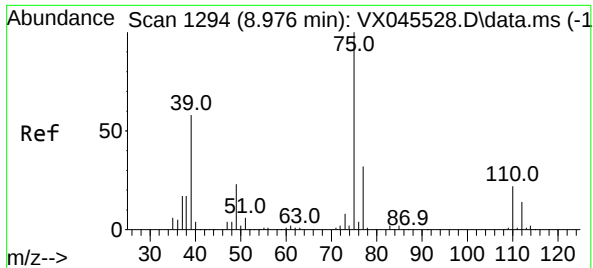
Tgt Ion: 98 Resp: 171721
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.395 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 43 Resp: 40822
Ion Ratio Lower Upper
43 100
58 7.9 28.5 42.7#

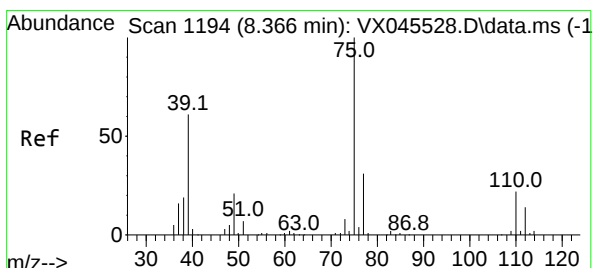
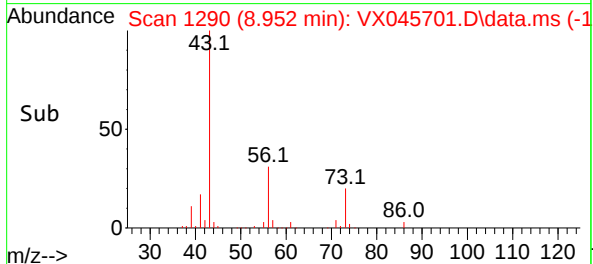
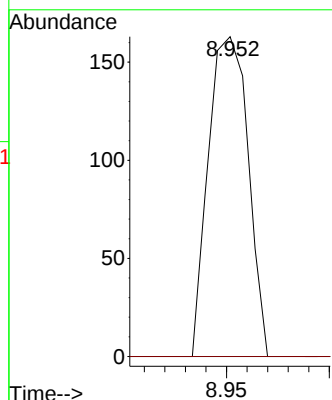
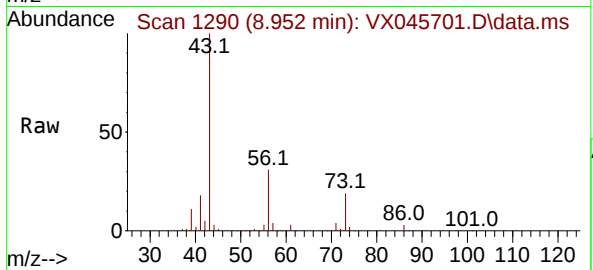




#53
 t-1,3-Dichloropropene
 Concen: 2.436 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX045701.D
 Acq: 10 Apr 2025 16:09

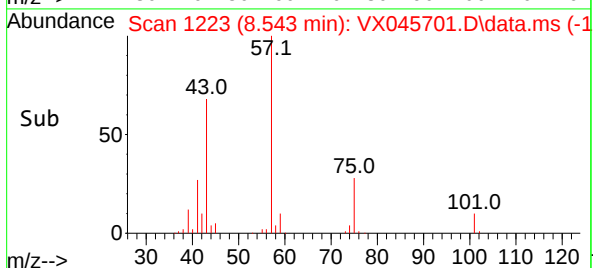
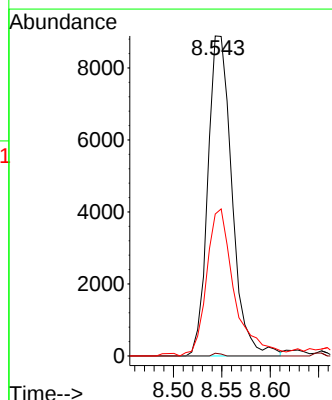
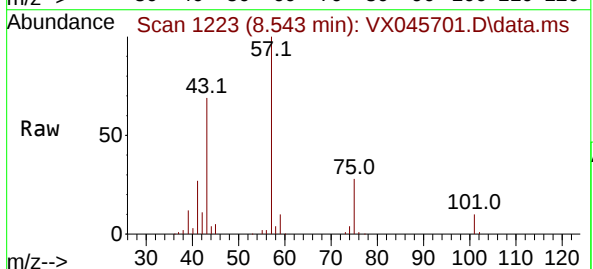
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#07

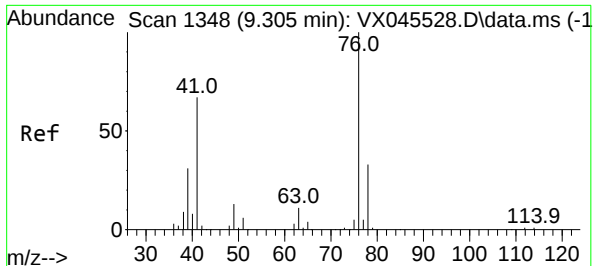
Tgt Ion: 75 Resp: 219
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.071 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045701.D
 Acq: 10 Apr 2025 16:09

Tgt Ion: 75 Resp: 15430
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.6 36.8#
 39 44.4 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.980 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045701.D

Acq: 10 Apr 2025 16:09

Instrument :

MSVOA_X

ClientSampleId :

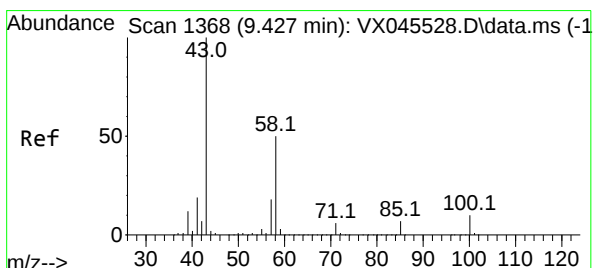
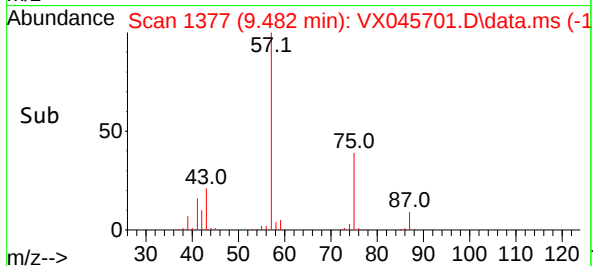
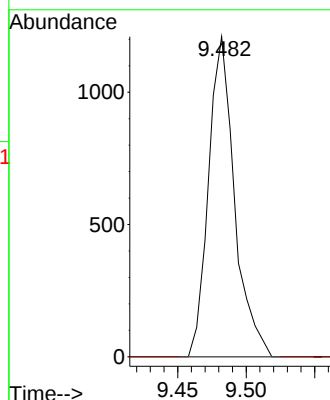
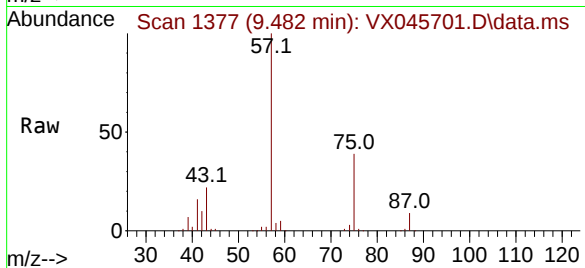
PB167534ZHE#07

Tgt Ion: 76 Resp: 1595

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.247 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045701.D

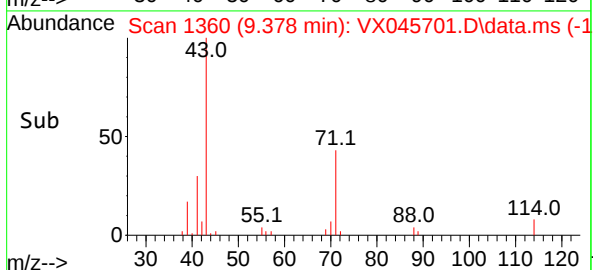
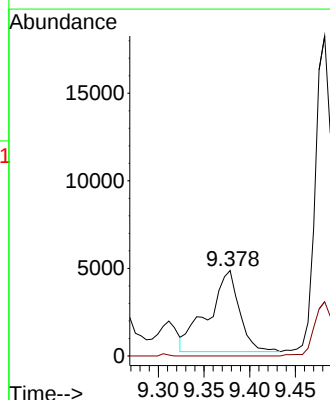
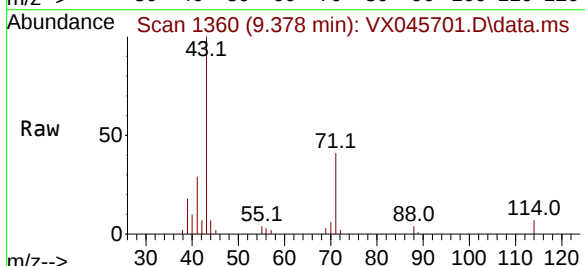
Acq: 10 Apr 2025 16:09

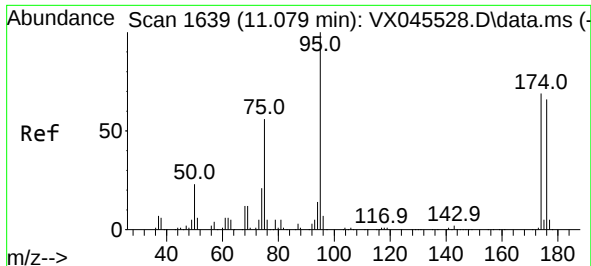
Tgt Ion: 43 Resp: 11007

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

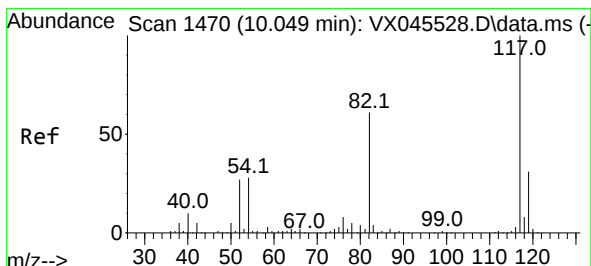
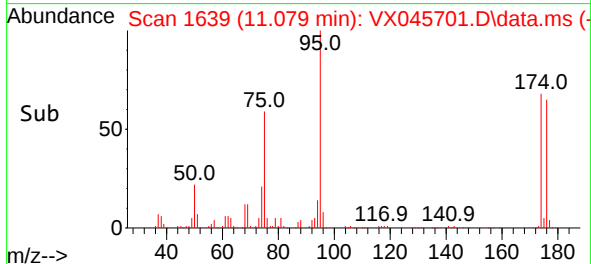
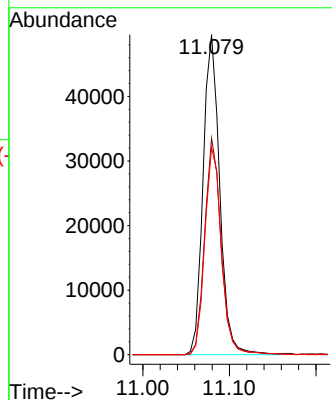
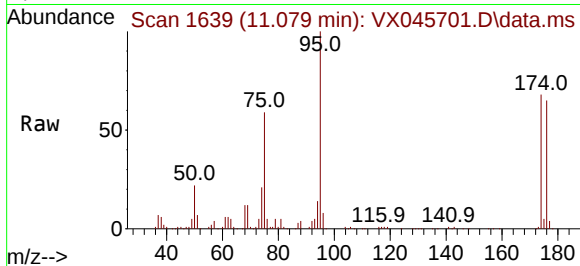




#62
4-Bromofluorobenzene
Concen: 55.224 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

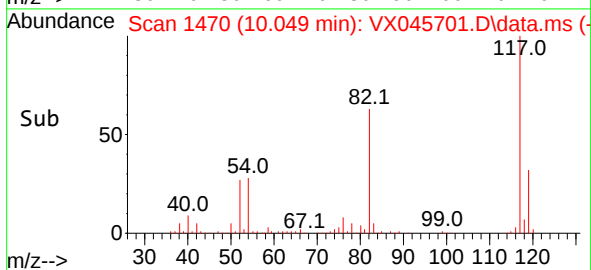
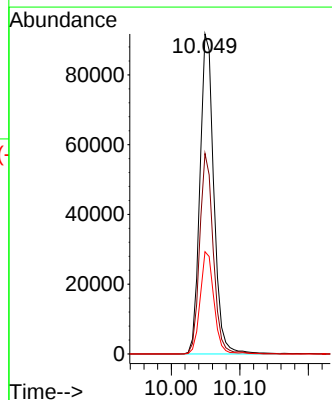
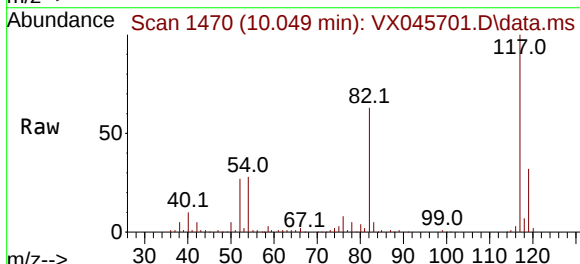
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

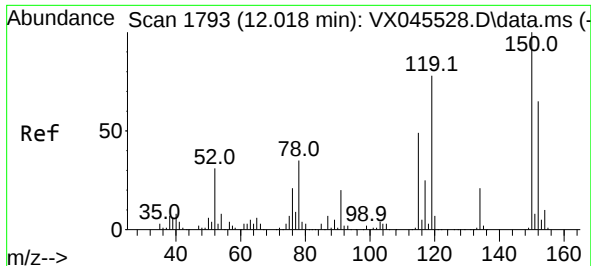
Tgt Ion: 95 Resp: 66017
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 64.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 117 Resp: 129453
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 31.9 25.1 37.7

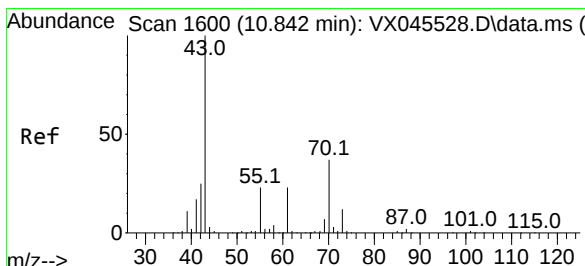
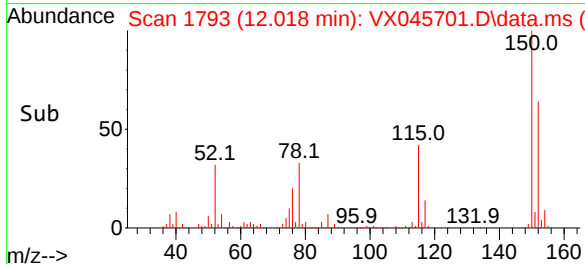
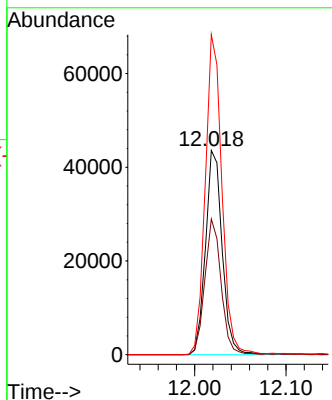
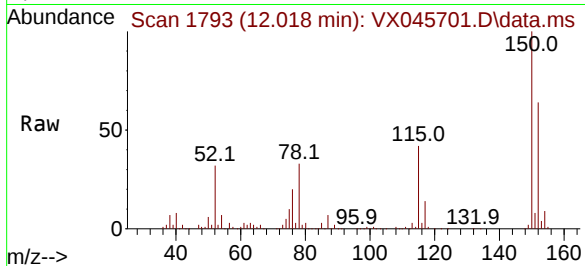




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

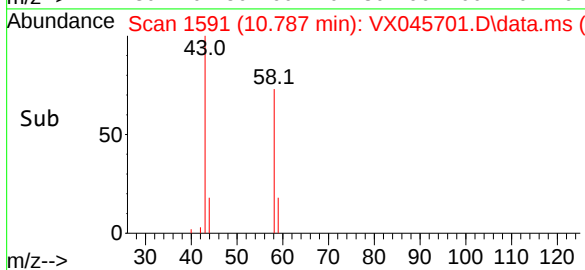
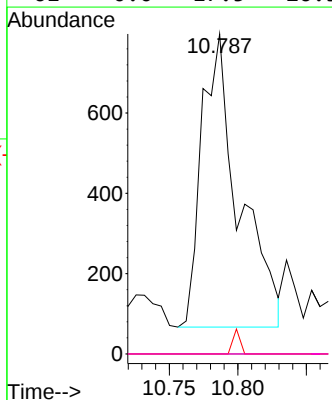
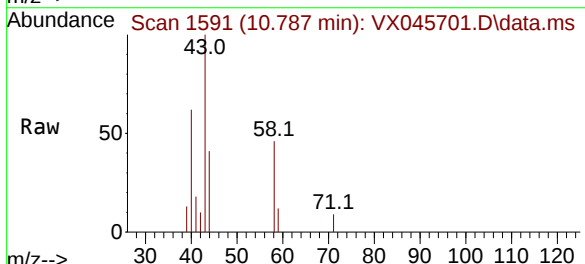
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

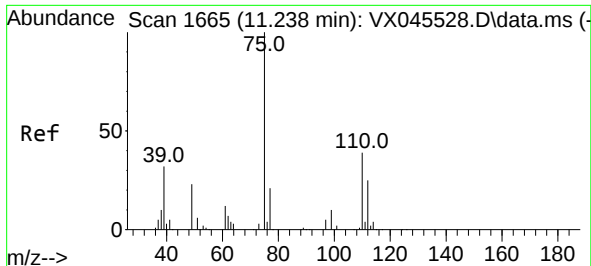
Tgt Ion:152 Resp: 55187
Ion Ratio Lower Upper
152 100
115 64.6 46.9 140.7
150 155.5 0.0 349.4



#74
N-ethyl acetate
Concen: 0.653 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. -0.055 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 1.7 18.3 27.5#
61 0.0 17.5 26.3#

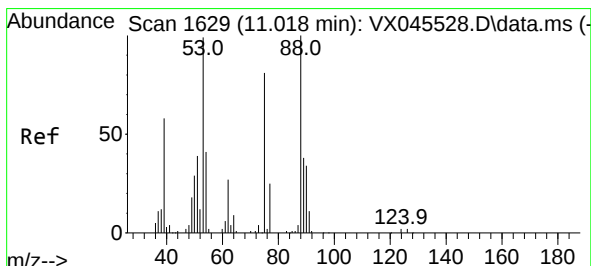
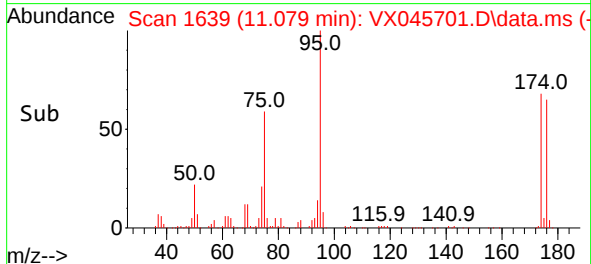
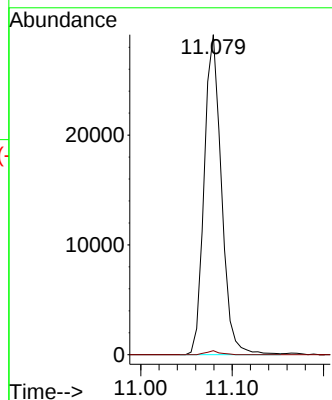
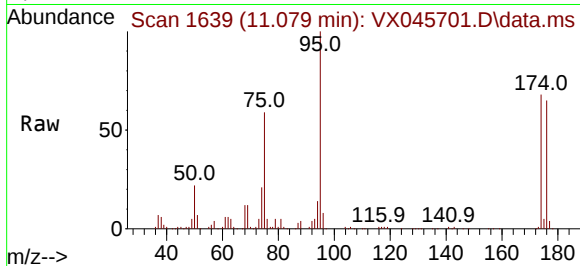




#76
1,2,3-Trichloropropane
Concen: 28.328 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#07

Tgt Ion: 75 Resp: 38134
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.143 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045701.D
Acq: 10 Apr 2025 16:09

Tgt Ion: 75 Resp: 38134
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

