

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045704.D
 Acq On : 10 Apr 2025 17:19
 Operator : JC/MD
 Sample : PB167534ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#10

Quant Time: Apr 11 02:00:27 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

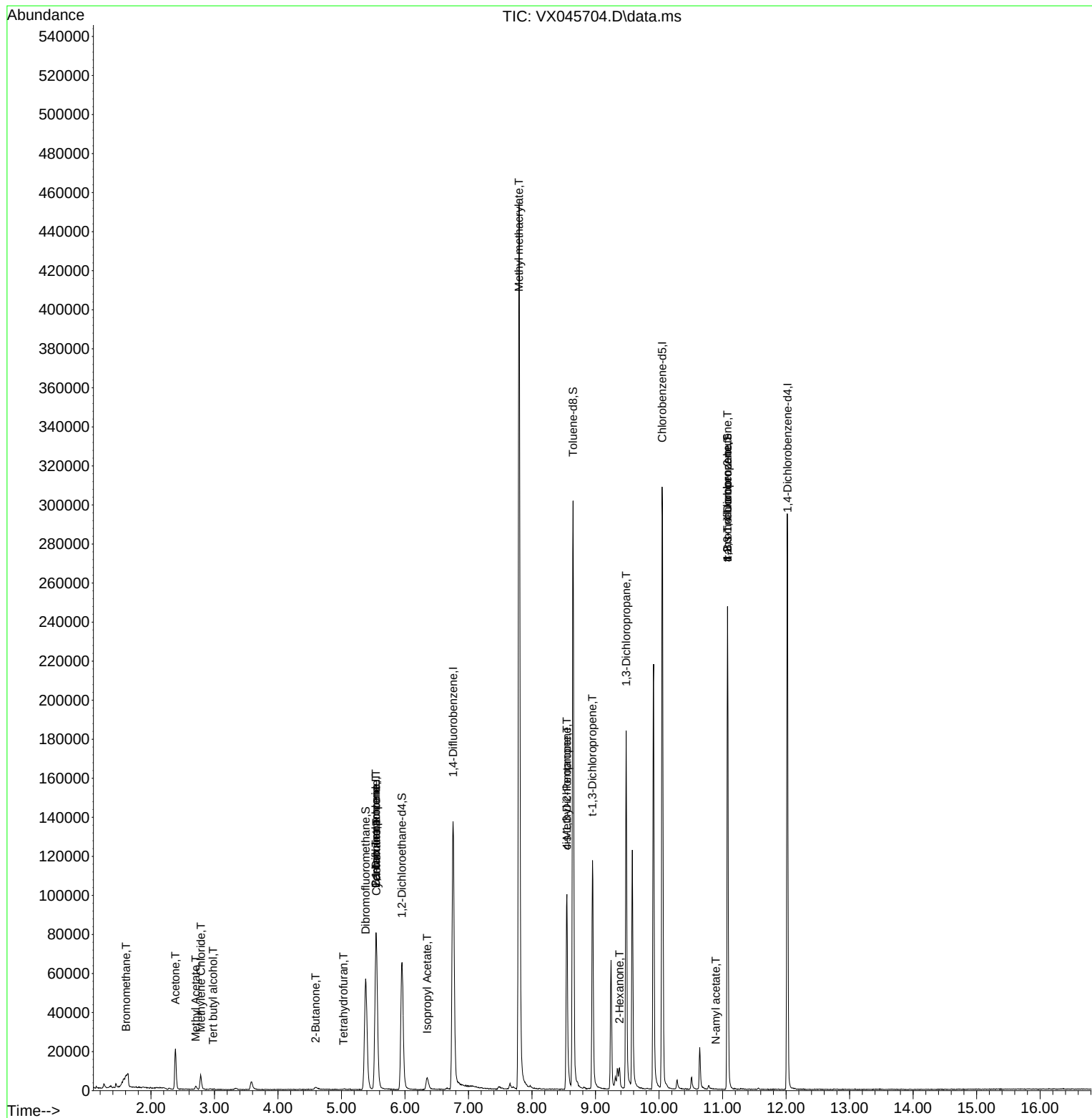
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	67663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68650	55.480	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.960%
35) Dibromofluoromethane	5.379	113	48227	50.530	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.060%
50) Toluene-d8	8.646	98	170215	51.095	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.200%
62) 4-Bromofluorobenzene	11.079	95	64257	52.955	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.900%
Target Compounds						Qvalue
5) Bromomethane	1.605	94	157	0.348	ug/l #	3
11) Tert butyl alcohol	2.977	59	384	2.309	ug/l #	72
16) Acetone	2.385	43	23012	45.290	ug/l	98
18) Methyl Acetate	2.702	43	2400	2.052	ug/l	94
20) Methylene Chloride	2.788	84	3177	3.340	ug/l	90
25) 2-Butanone	4.592	43	2685	3.610	ug/l	97
29) Tetrahydrofuran	5.031	42	101	0.209	ug/l #	35
31) Cyclohexane	5.549	56	2101	1.384	ug/l #	35
36) 1,1-Dichloropropene	5.543	75	6671	5.177	ug/l #	49
38) Carbon Tetrachloride	5.543	117	7661	5.501	ug/l #	16
43) Isopropyl Acetate	6.348	43	9634	3.914	ug/l	97
48) Methyl methacrylate	7.793	41	45748	35.998	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39590	24.263	ug/l #	49
53) t-1,3-Dichloropropene	8.951	75	245	2.451	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15278	10.800	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1480	0.896	ug/l #	42
59) 2-Hexanone	9.378	43	6640	5.495	ug/l #	28
74) N-amyl acetate	10.896	43	428	0.206	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	37724	28.572	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37724	96.968	ug/l #	1

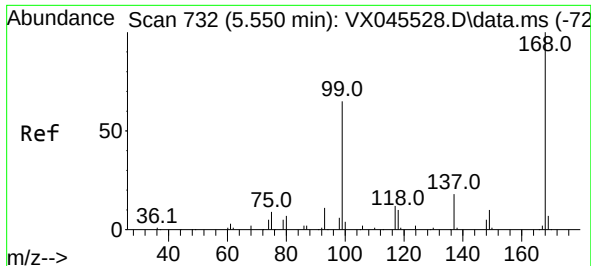
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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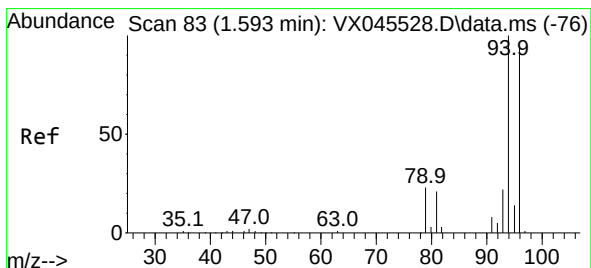
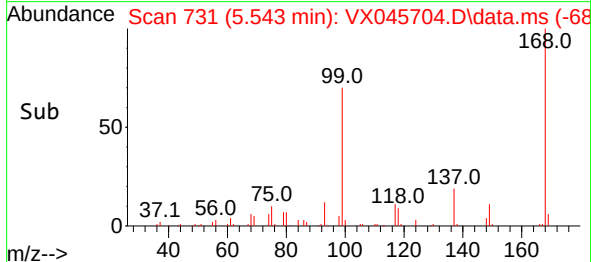
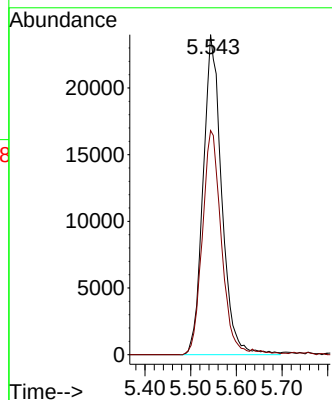
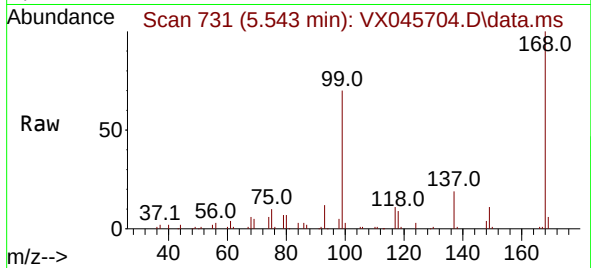




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

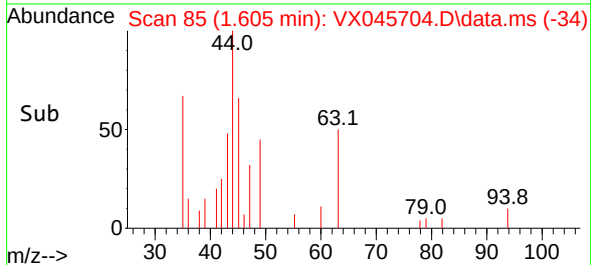
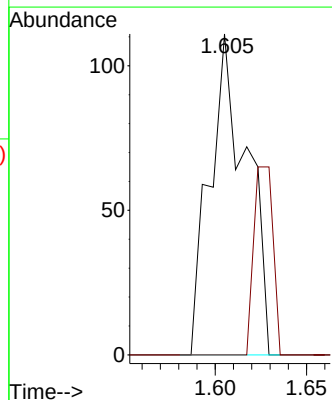
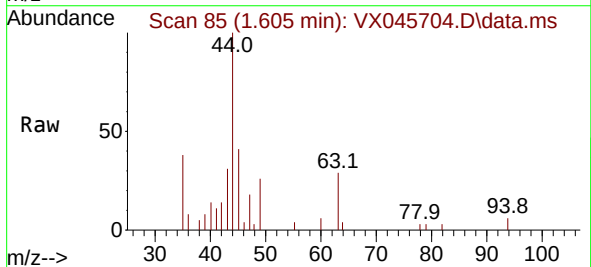
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

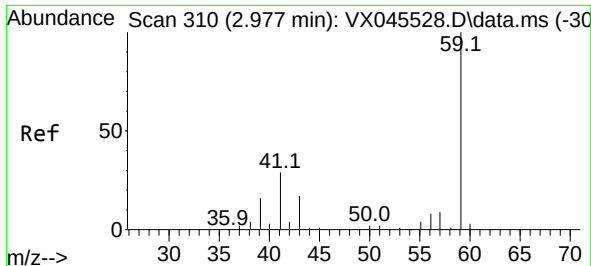
Tgt Ion:168 Resp: 67663
Ion Ratio Lower Upper
168 100
99 70.1 52.3 78.5



#5
Bromomethane
Concen: 0.348 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.012 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

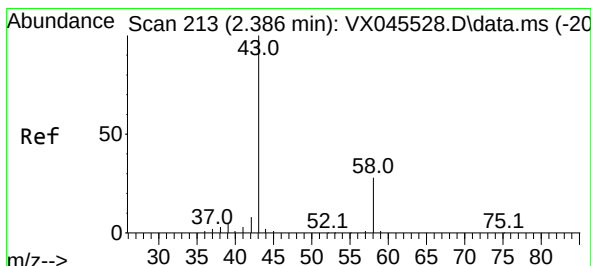
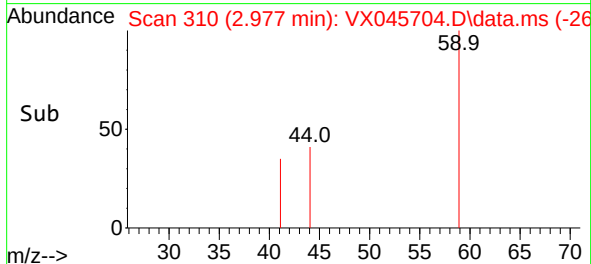
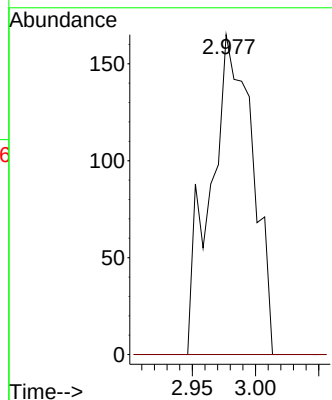
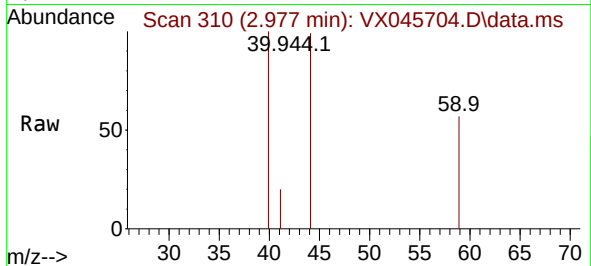




#11
Tert butyl alcohol
Concen: 2.309 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

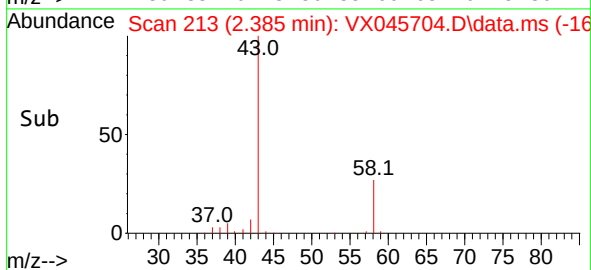
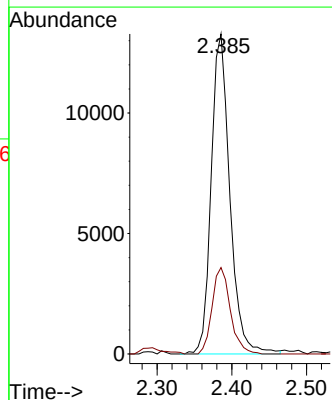
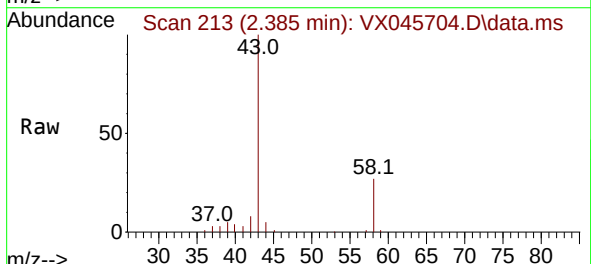
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ClientSampleId :
PB167534ZHE#10

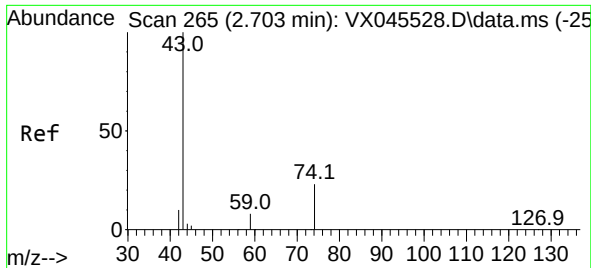
Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 45.290 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 43 Resp: 23012
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5

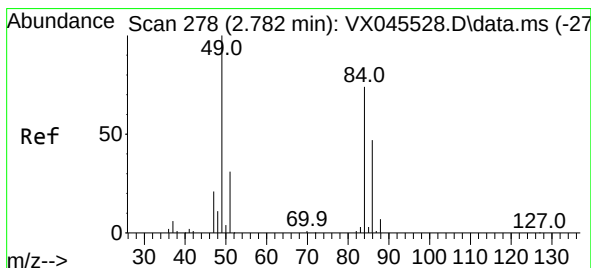
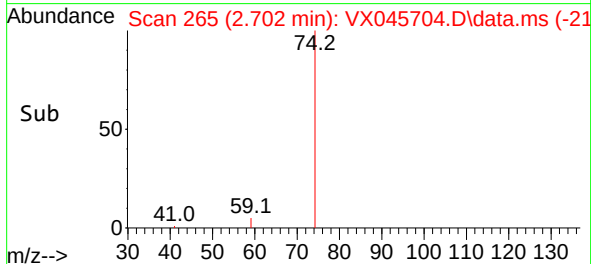
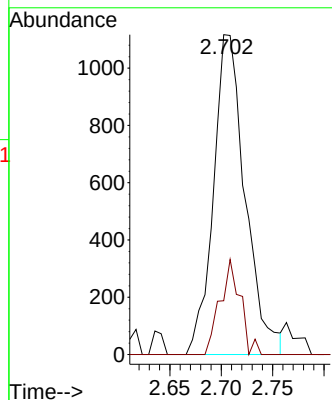
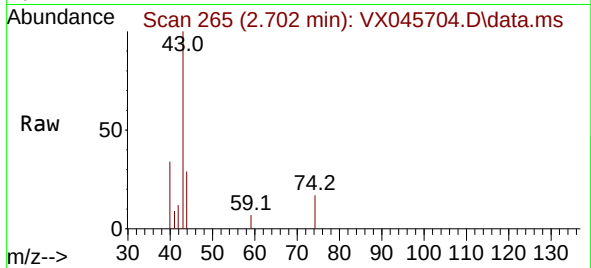




#18
Methyl Acetate
Concen: 2.052 ug/l
RT: 2.702 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

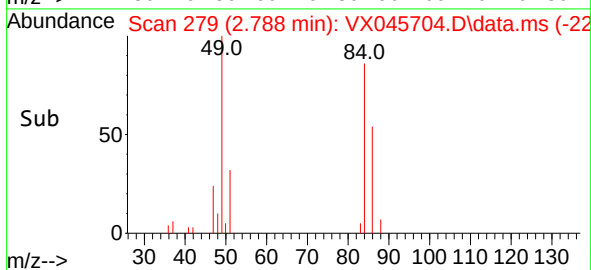
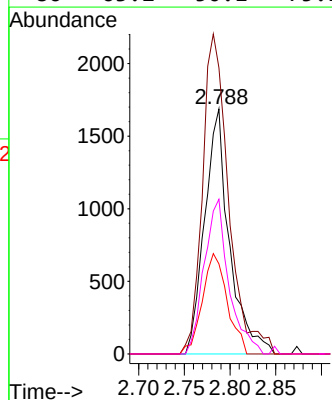
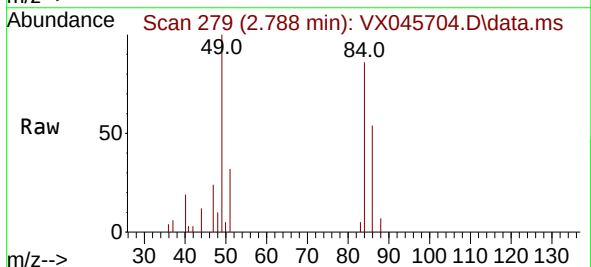
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

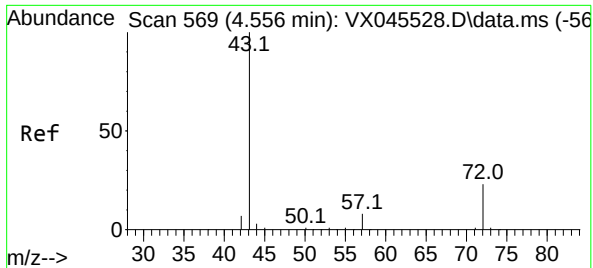
Tgt Ion: 43 Resp: 2400
Ion Ratio Lower Upper
43 100
74 19.0 17.5 26.3



#20
Methylene Chloride
Concen: 3.340 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 84 Resp: 3177
Ion Ratio Lower Upper
84 100
49 116.8 107.5 161.3
51 36.8 33.0 49.6
86 63.2 50.1 75.1

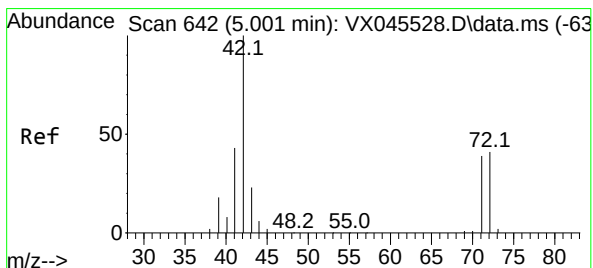
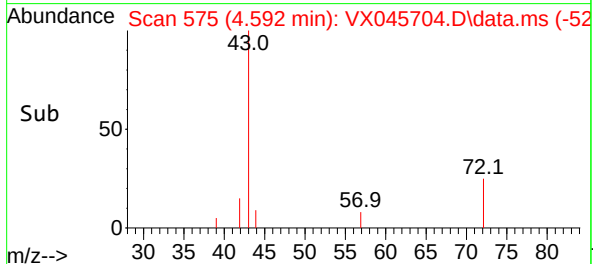
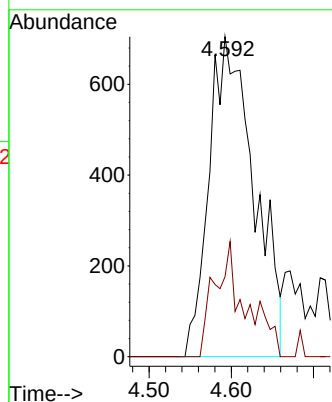
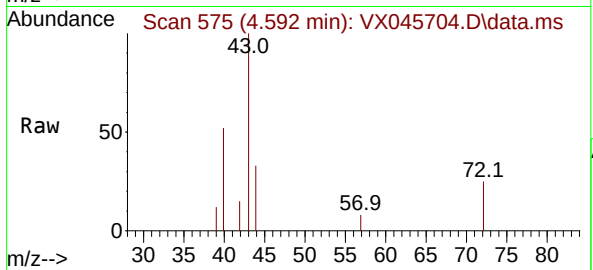




#25
2-Butanone
Concen: 3.610 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

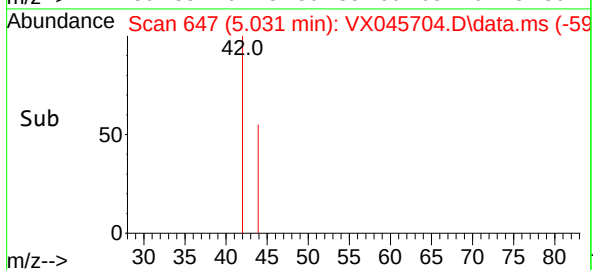
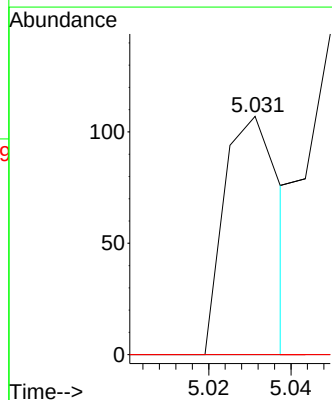
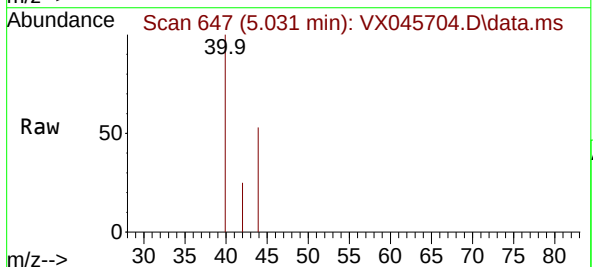
Instrument :
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ClientSampleId :
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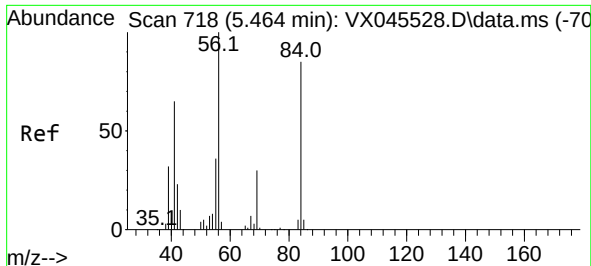
Tgt Ion: 43 Resp: 2685
Ion Ratio Lower Upper
43 100
72 25.0 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.030 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 42 Resp: 101
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#

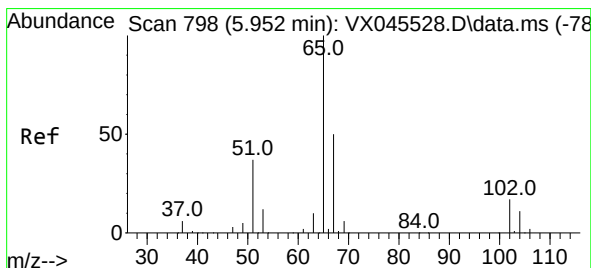
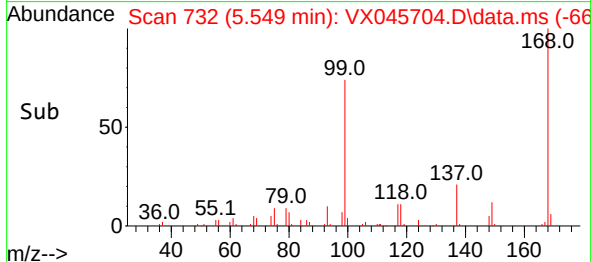
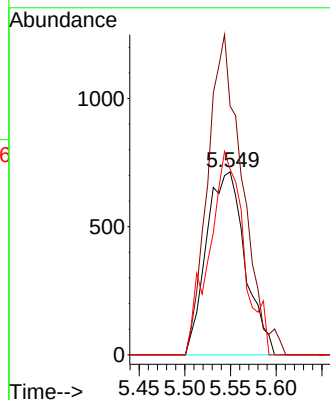
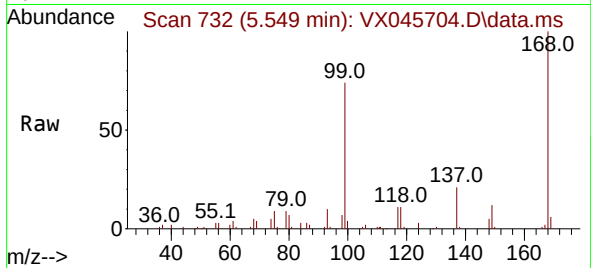




#31
Cyclohexane
Concen: 1.384 ug/l
RT: 5.549 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

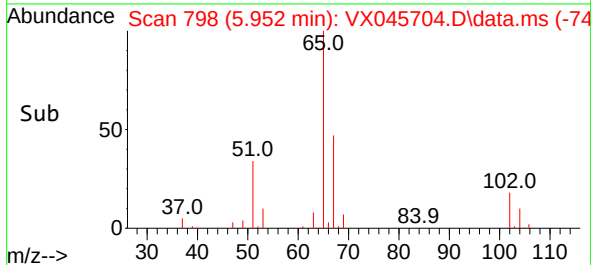
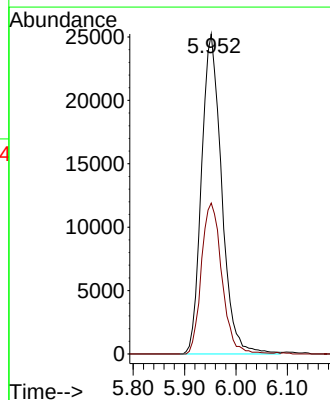
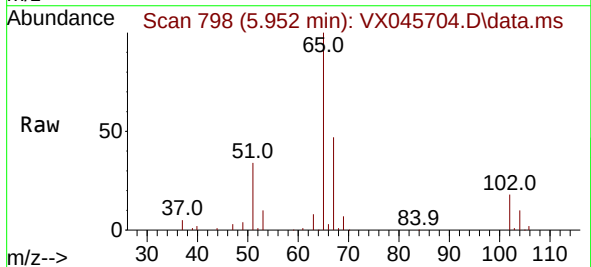
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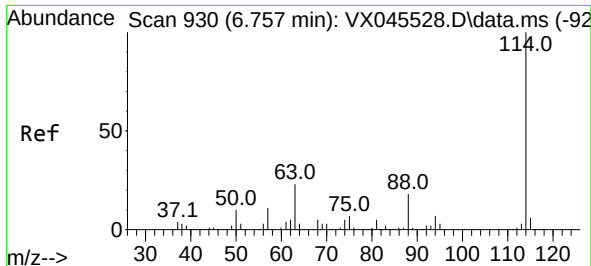
Tgt Ion: 56 Resp: 2101
Ion Ratio Lower Upper
56 100
69 135.9 23.6 35.4#
84 101.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.480 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 65 Resp: 68650
Ion Ratio Lower Upper
65 100
67 47.9 0.0 99.0

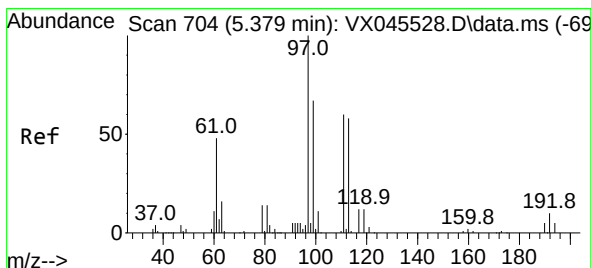
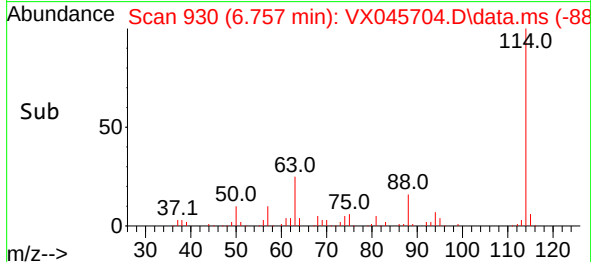
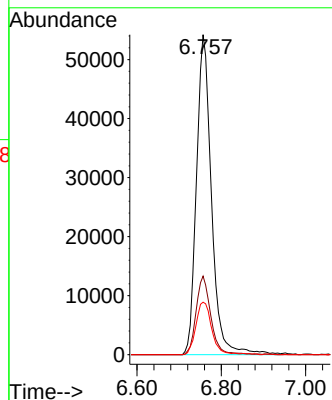
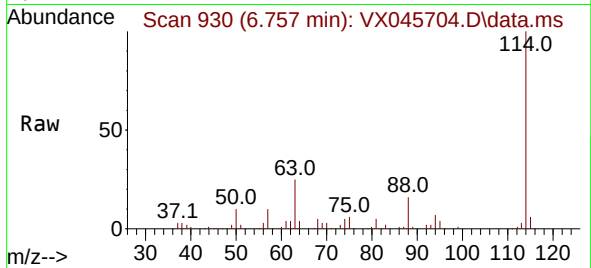




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

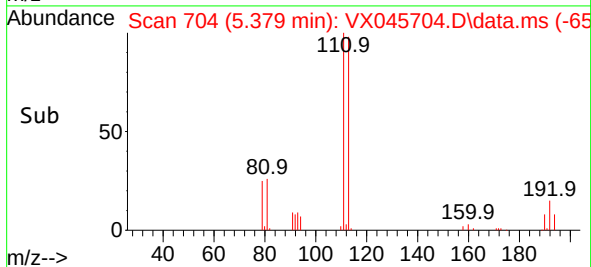
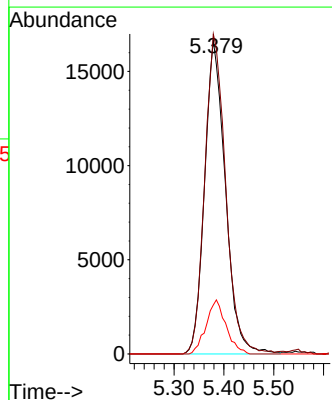
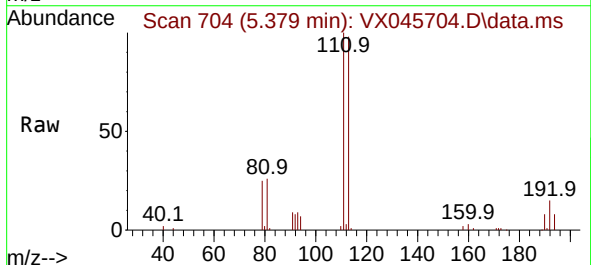
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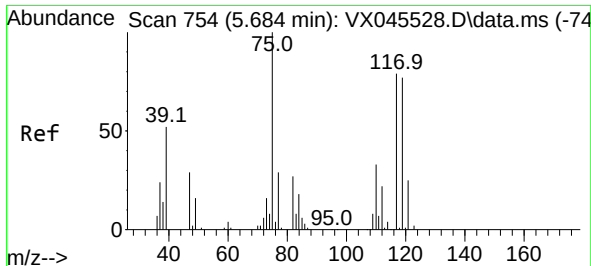
Tgt Ion:114 Resp: 134521
Ion Ratio Lower Upper
114 100
63 24.5 0.0 46.8
88 16.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.530 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

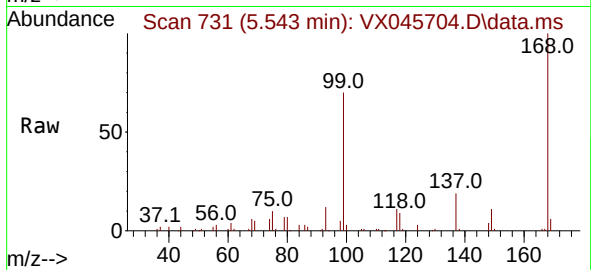
Tgt Ion:113 Resp: 48227
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.6
192 16.5 13.8 20.6



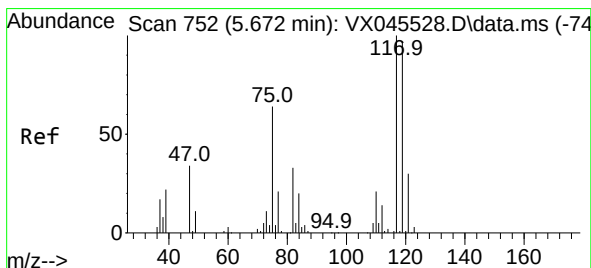
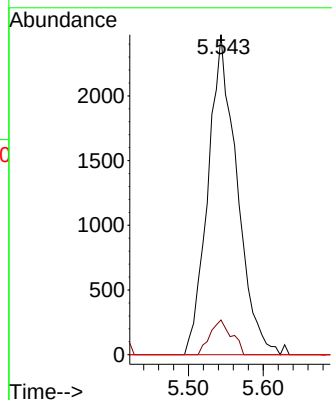
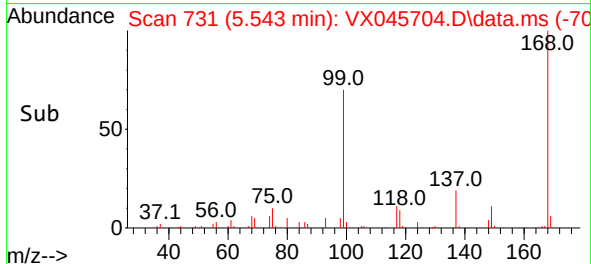


#36
1,1-Dichloropropene
Concen: 5.177 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

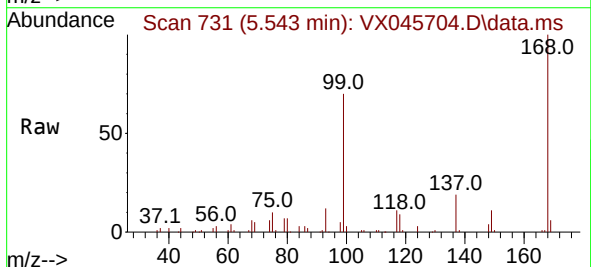
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10



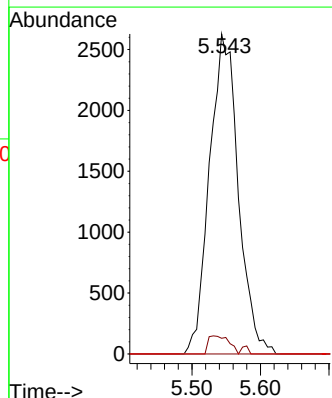
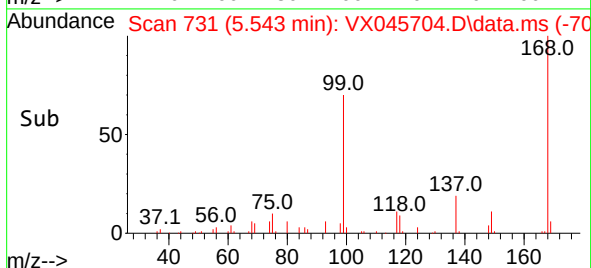
Tgt Ion: 75 Resp: 6671
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 25.0 37.4#

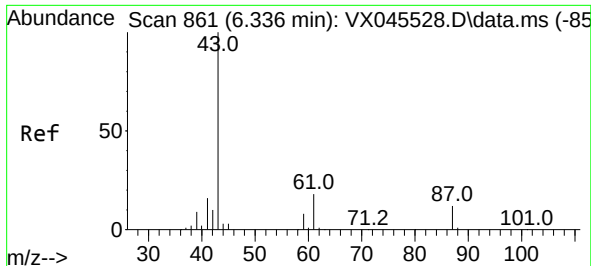


#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19



Tgt Ion: 117 Resp: 7661
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.2 36.2#

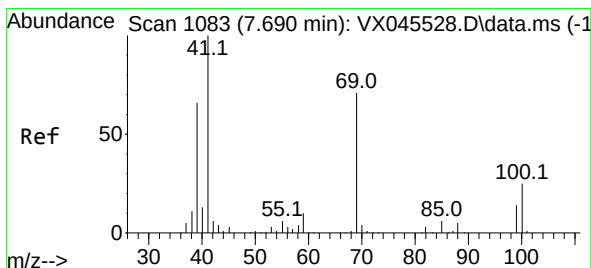
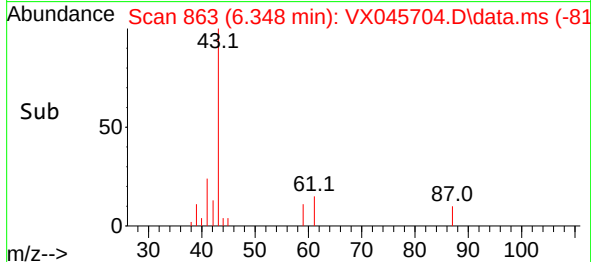
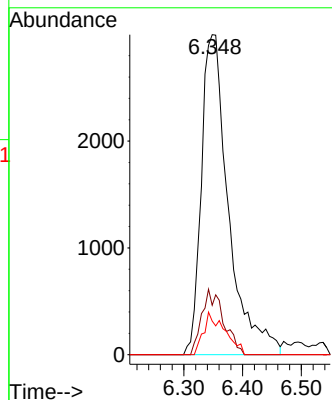
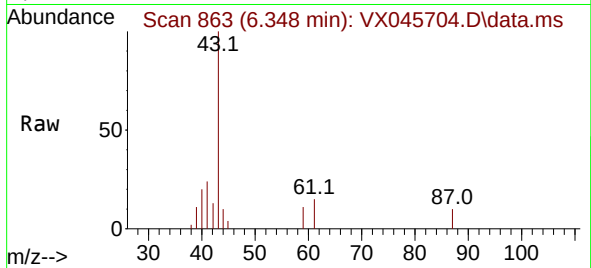




#43
Isopropyl Acetate
Concen: 3.914 ug/l
RT: 6.348 min Scan# 810
Delta R.T. 0.012 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

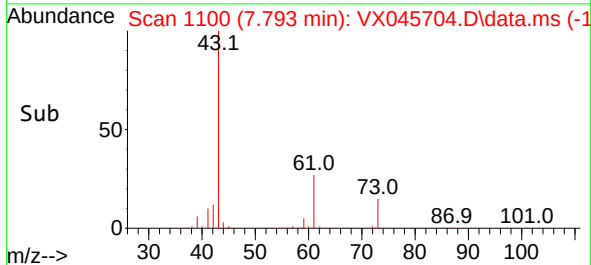
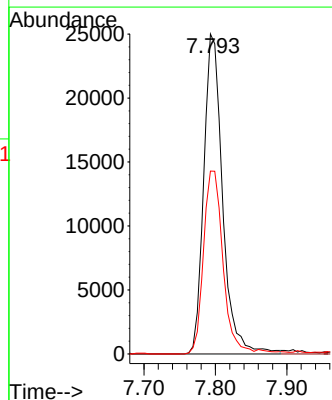
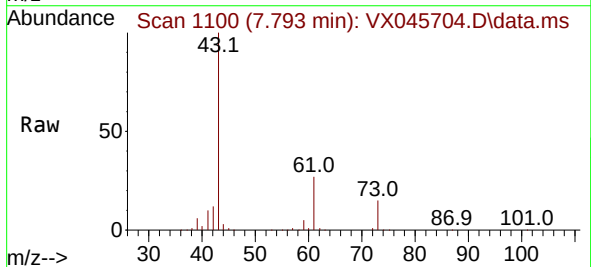
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

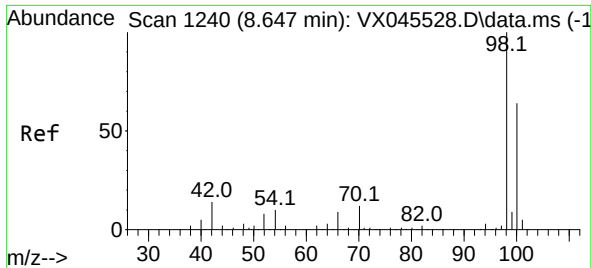
Tgt Ion: 43 Resp: 9634
Ion Ratio Lower Upper
43 100
61 16.4 14.1 21.1
87 10.3 9.2 13.8



#48
Methyl methacrylate
Concen: 35.998 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 41 Resp: 45748
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4

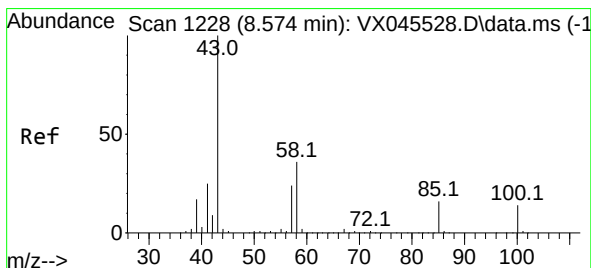
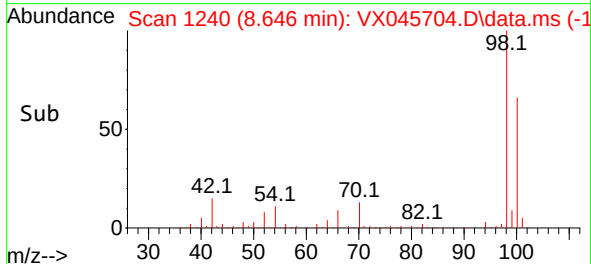
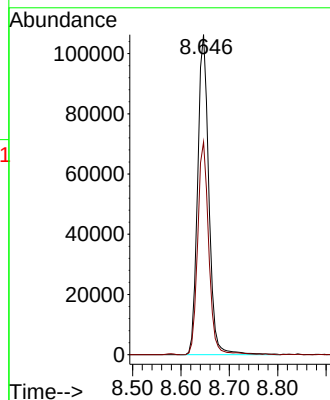
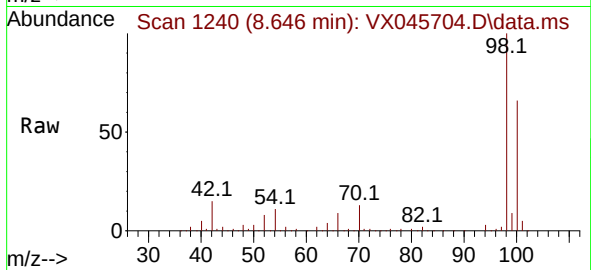




#50
Toluene-d8
Concen: 51.095 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

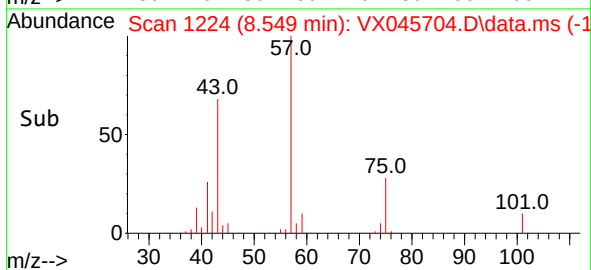
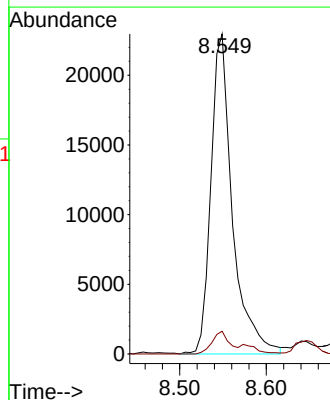
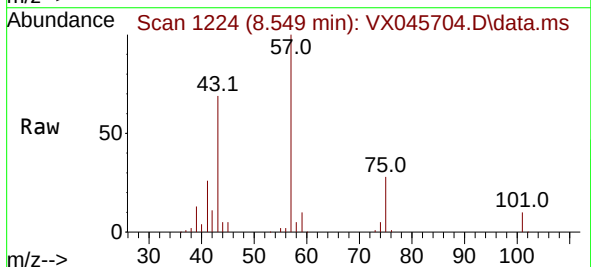
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

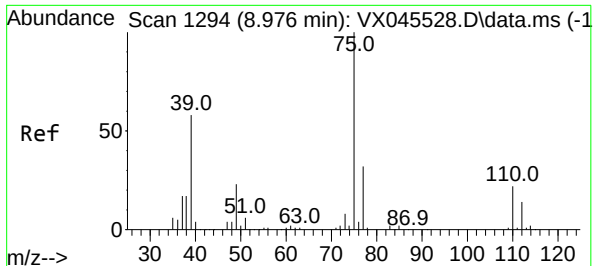
Tgt Ion: 98 Resp: 170215
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 24.263 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 43 Resp: 39590
Ion Ratio Lower Upper
43 100
58 5.8 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.451 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX045704.D

Acq: 10 Apr 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

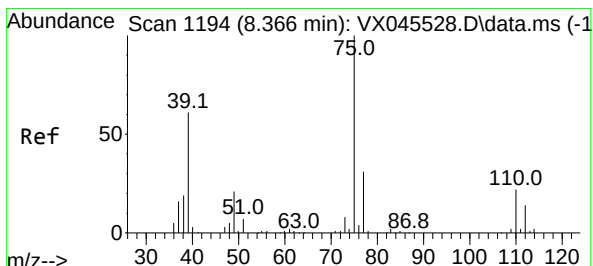
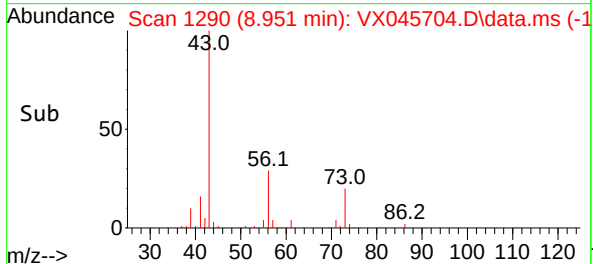
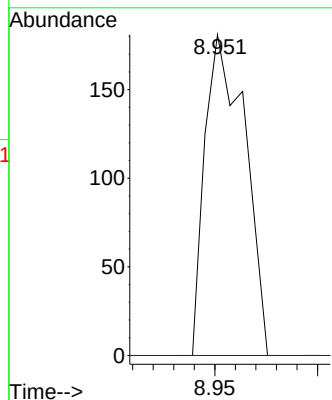
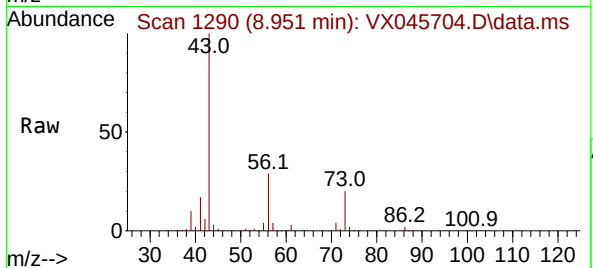
PB167534ZHE#10

Tgt Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.800 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045704.D

Acq: 10 Apr 2025 17:19

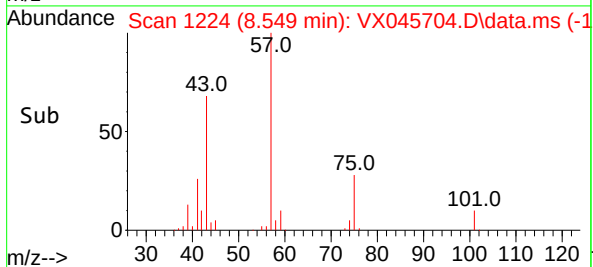
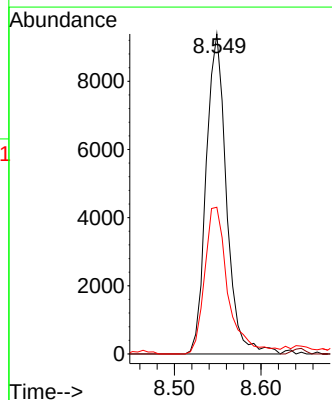
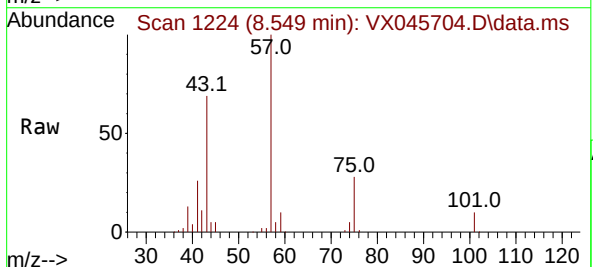
Tgt Ion: 75 Resp: 15278

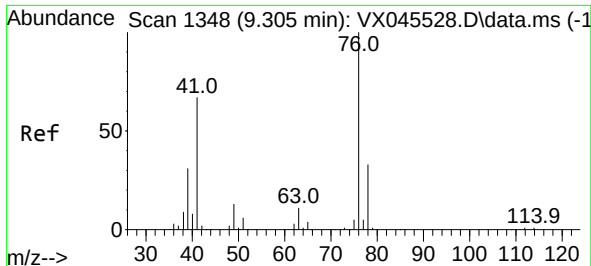
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 45.9 48.4 72.6#

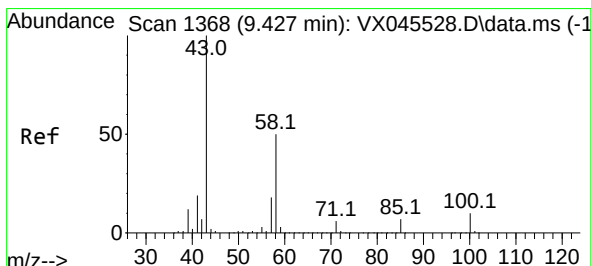
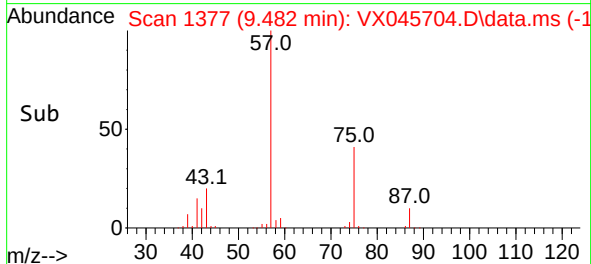
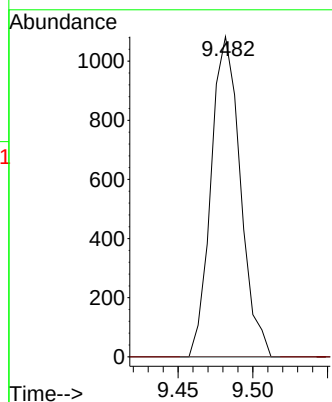
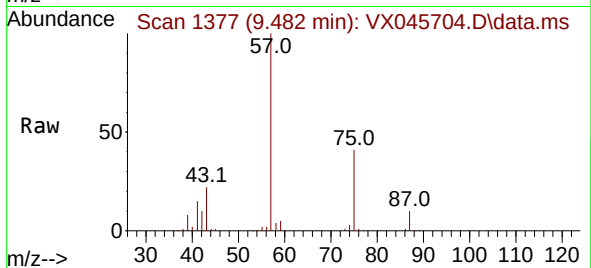




#57
1,3-Dichloropropane
Concen: 0.896 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

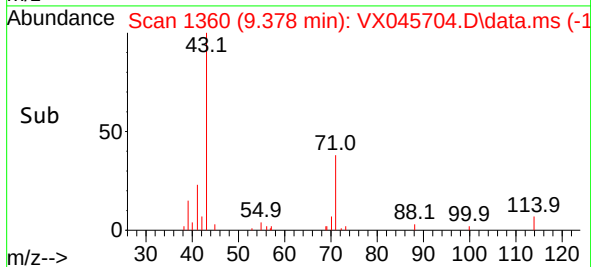
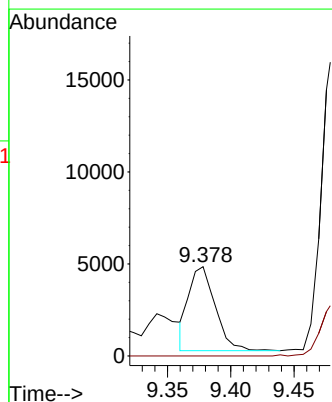
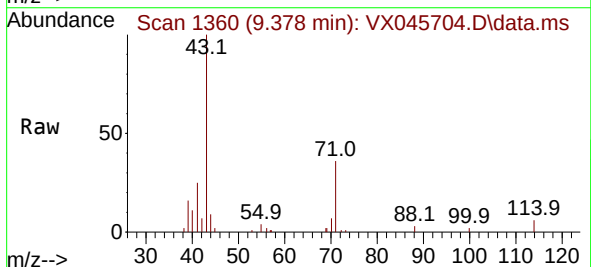
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

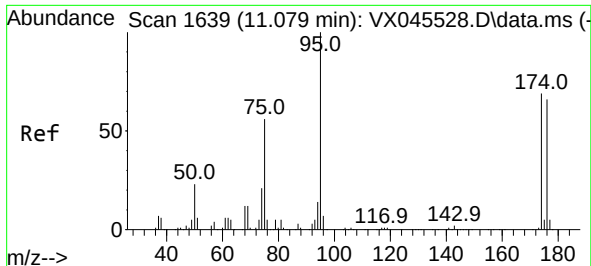
Tgt Ion: 76 Resp: 1480
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 5.495 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 43 Resp: 6640
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

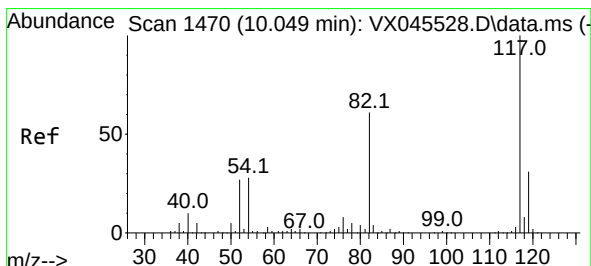
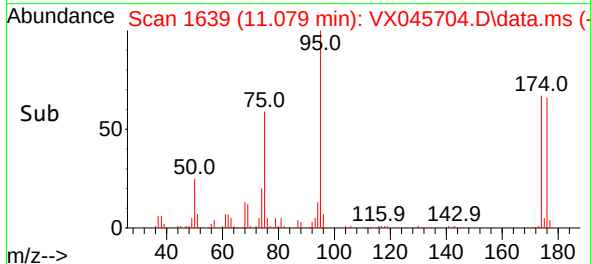
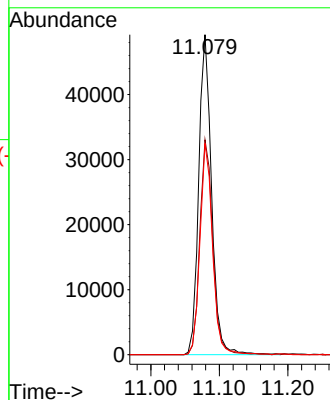
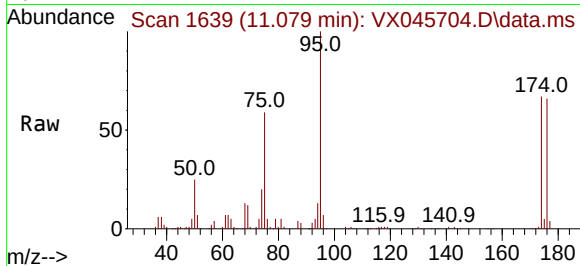




#62
4-Bromofluorobenzene
Concen: 52.955 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

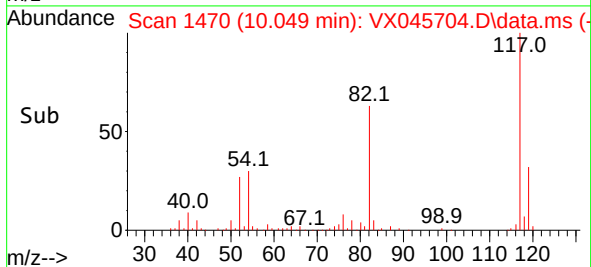
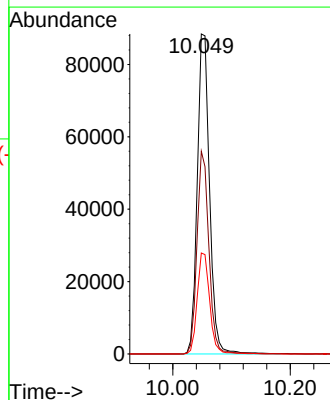
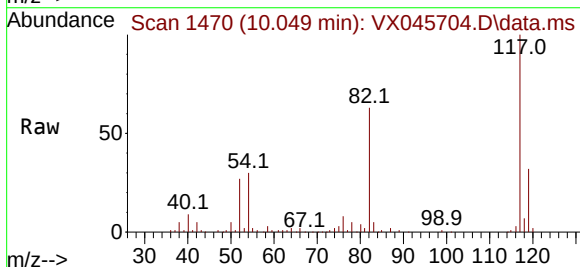
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

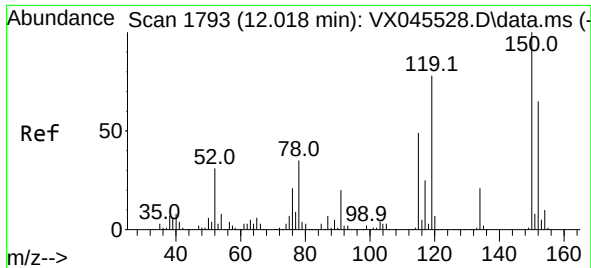
Tgt Ion: 95 Resp: 64257
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.8
176 64.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 117 Resp: 128003
Ion Ratio Lower Upper
117 100
82 63.3 49.2 73.8
119 31.6 25.1 37.7

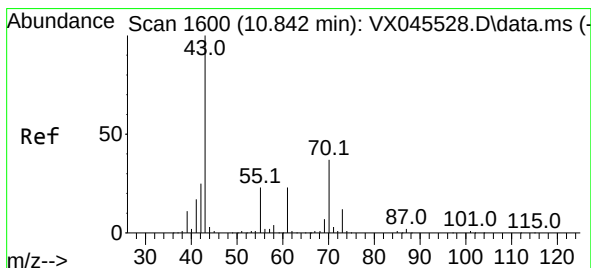
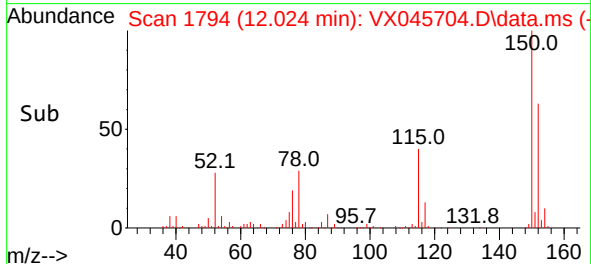
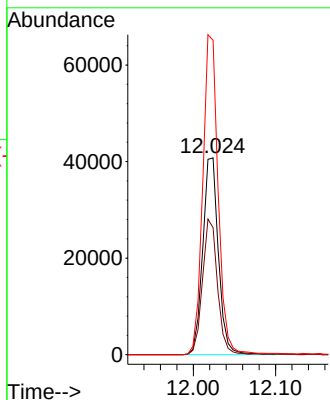
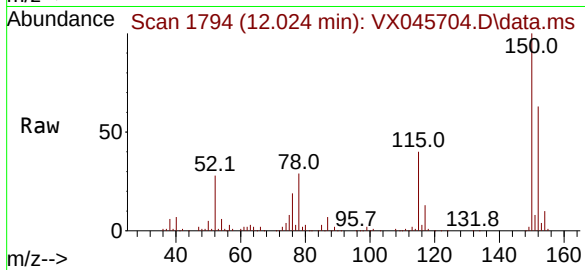




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045704.D
 Acq: 10 Apr 2025 17:19

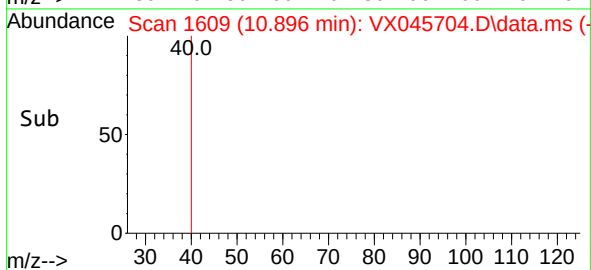
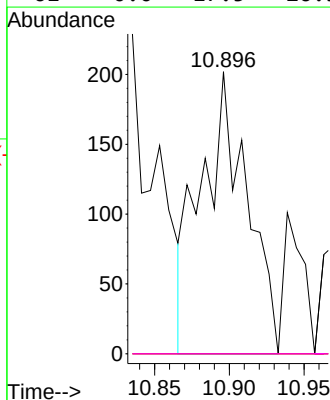
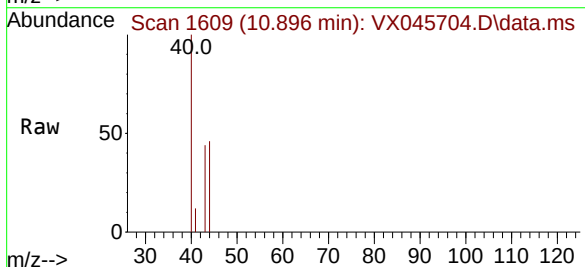
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#10

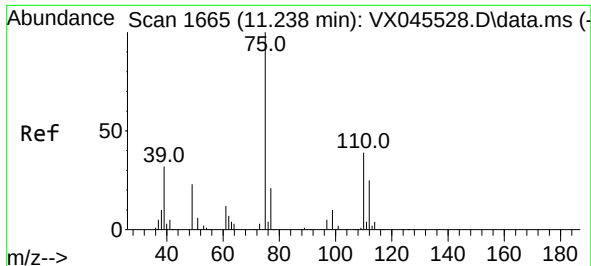
Tgt Ion:152 Resp: 54129
 Ion Ratio Lower Upper
 152 100
 115 66.0 46.9 140.7
 150 160.0 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.206 ug/l
 RT: 10.896 min Scan# 1609
 Delta R.T. 0.055 min
 Lab File: VX045704.D
 Acq: 10 Apr 2025 17:19

Tgt Ion: 43 Resp: 428
 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#

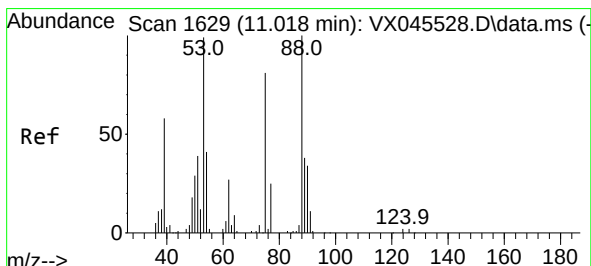
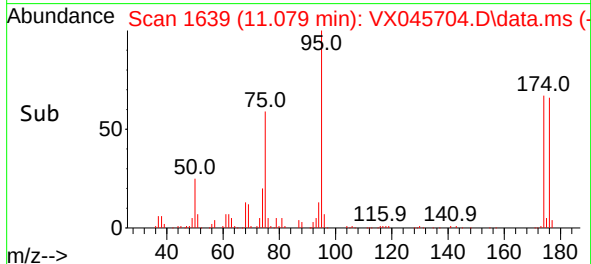
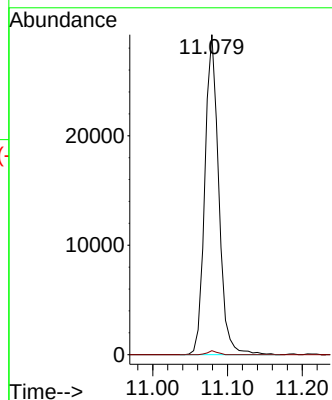
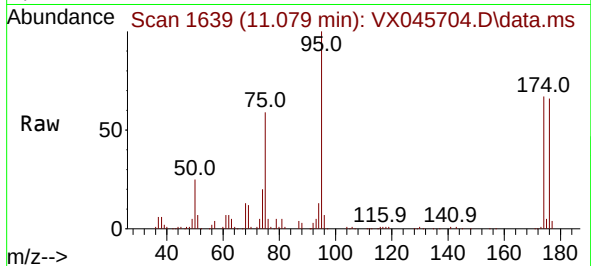




#76
1,2,3-Trichloropropane
Concen: 28.572 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#10

Tgt Ion: 75 Resp: 37724
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045704.D
Acq: 10 Apr 2025 17:19

Tgt Ion: 75 Resp: 37724
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

