

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045702.D
 Acq On : 10 Apr 2025 16:32
 Operator : JC/MD
 Sample : PB167534ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#08

Quant Time: Apr 11 01:59:33 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)

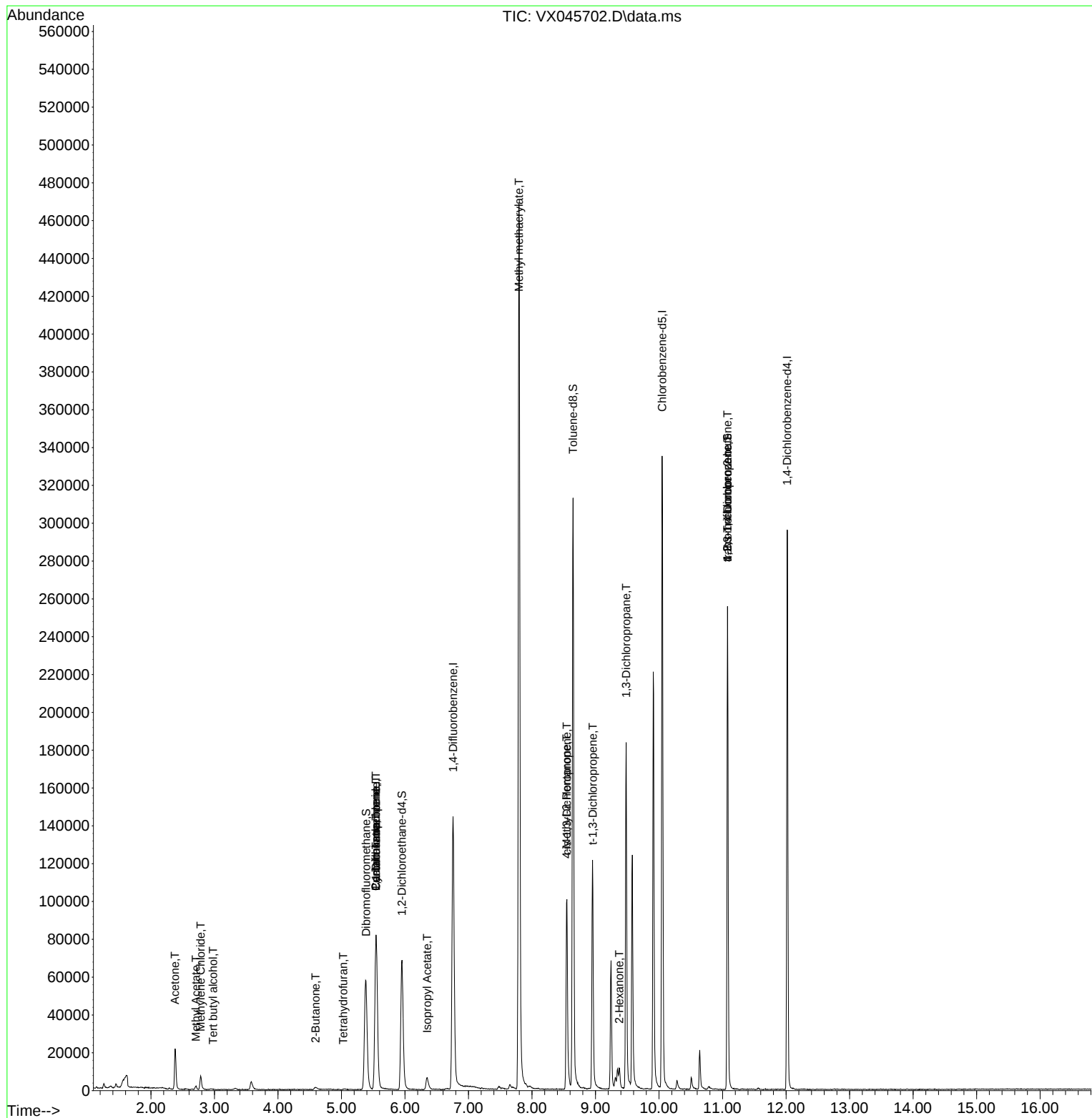
Internal Standards						
1) Pentafluorobenzene	5.544	168	70749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139571	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132817	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69870	54.003	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.000%	
35) Dibromofluoromethane	5.385	113	51044	51.546	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	8.647	98	178757	51.718	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.440%	
62) 4-Bromofluorobenzene	11.079	95	65363	51.917	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	371	2.134	ug/l #	72
16) Acetone	2.380	43	23547	44.322	ug/l	98
18) Methyl Acetate	2.709	43	2432	1.988	ug/l #	89
20) Methylene Chloride	2.782	84	3154	3.171	ug/l	96
25) 2-Butanone	4.593	43	3331	4.283	ug/l	97
29) Tetrahydrofuran	5.025	42	107	0.212	ug/l #	35
31) Cyclohexane	5.544	56	2063	1.300	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	6988	5.226	ug/l #	47
38) Carbon Tetrachloride	5.544	117	8306	5.748	ug/l #	15
43) Isopropyl Acetate	6.348	43	9396	3.679	ug/l	98
48) Methyl methacrylate	7.793	41	47465	35.998	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	40973	24.202	ug/l #	52
53) t-1,3-Dichloropropene	8.958	75	181	2.404	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15313	10.433	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1642	0.958	ug/l #	42
59) 2-Hexanone	9.372	43	9969	7.952	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	38034	28.863	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	38034	97.957	ug/l #	1

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

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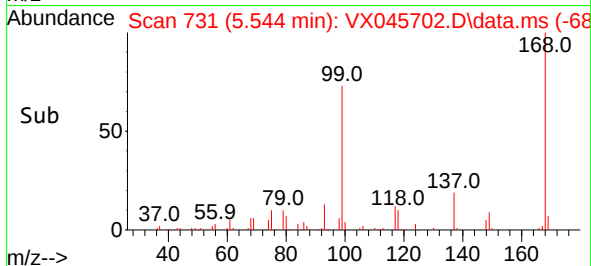
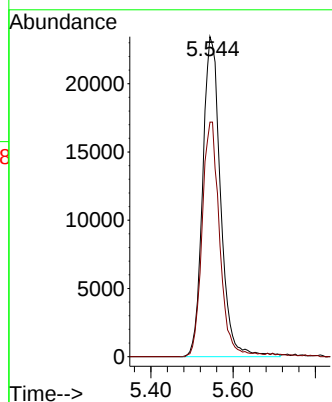
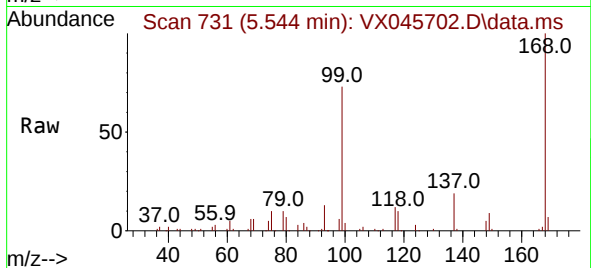




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

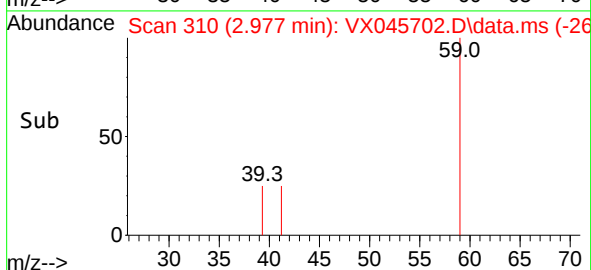
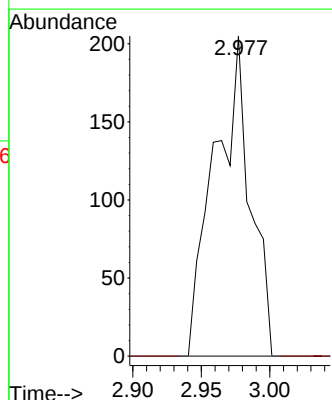
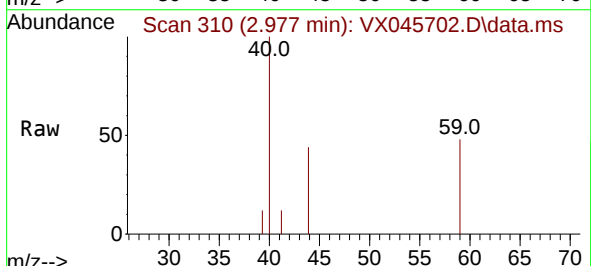
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

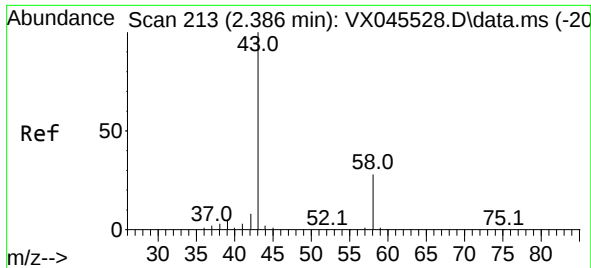
Tgt Ion:168 Resp: 70749
Ion Ratio Lower Upper
168 100
99 73.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 2.134 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

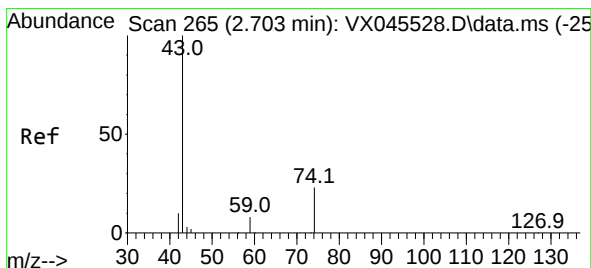
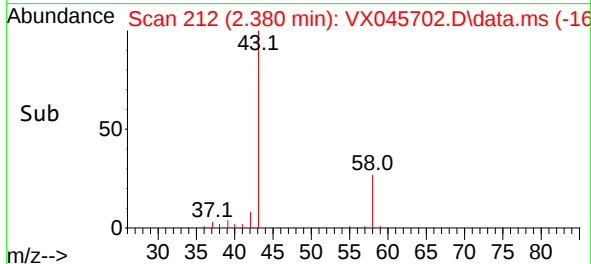
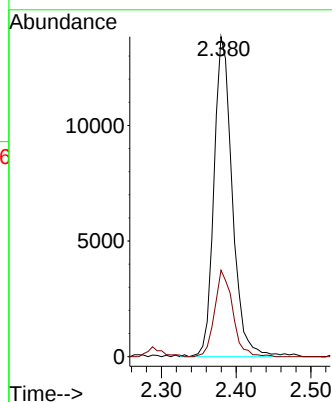
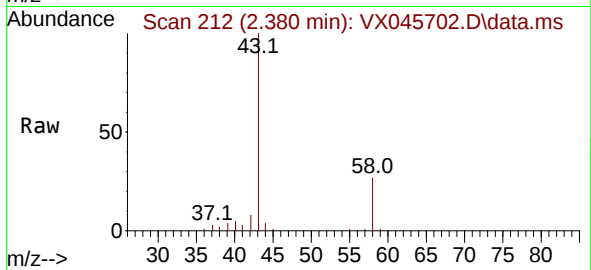




#16
Acetone
Concen: 44.322 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

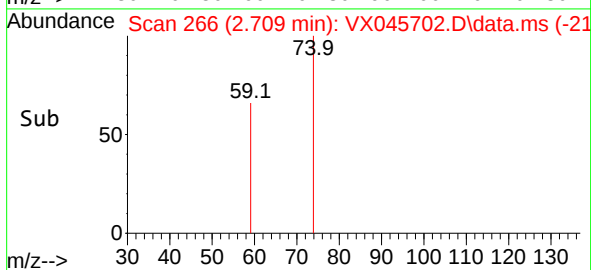
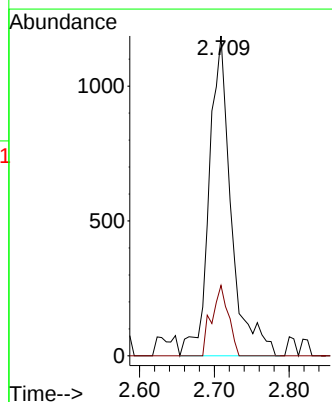
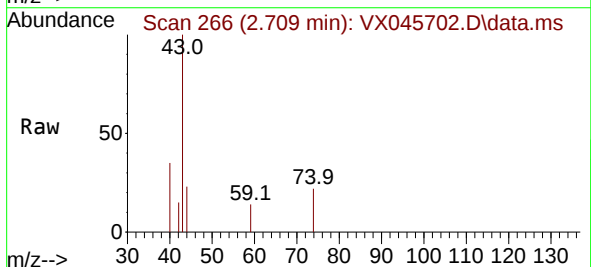
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

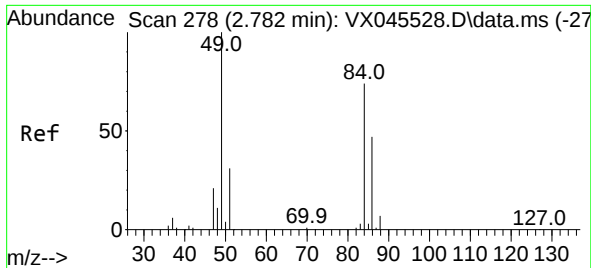
Tgt Ion: 43 Resp: 23547
Ion Ratio Lower Upper
43 100
58 27.0 22.3 33.5



#18
Methyl Acetate
Concen: 1.988 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
74 16.7 17.5 26.3#

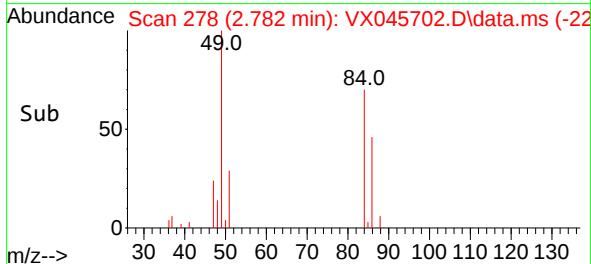
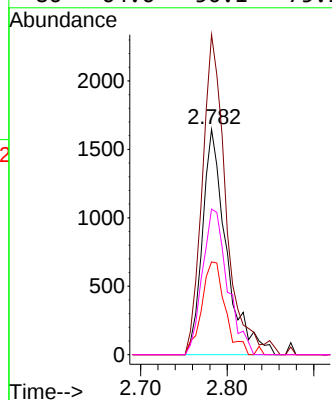
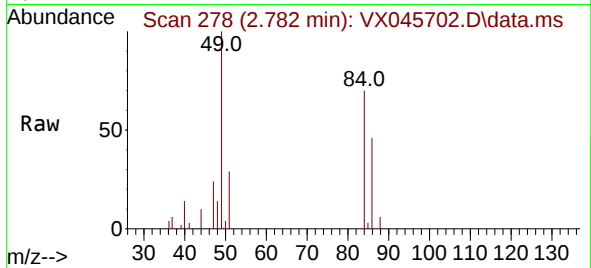




#20
Methylene Chloride
Concen: 3.171 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

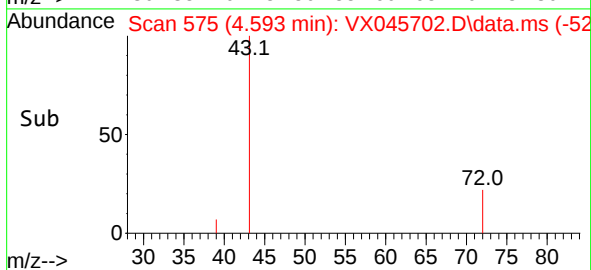
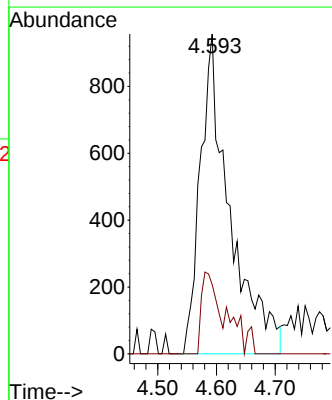
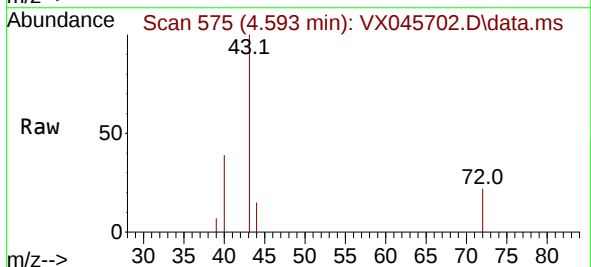
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

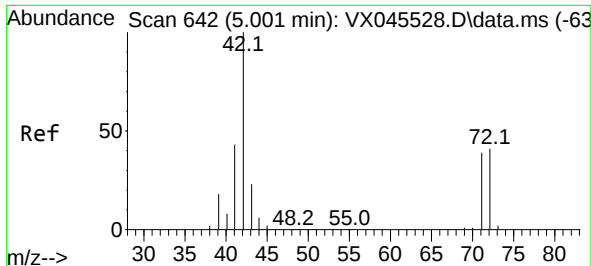
Tgt Ion:	84	Resp:	3154
Ion	Ratio	Lower	Upper
84	100		
49	142.0	107.5	161.3
51	41.2	33.0	49.6
86	64.6	50.1	75.1



#25
2-Butanone
Concen: 4.283 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion:	43	Resp:	3331
Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX045702.D

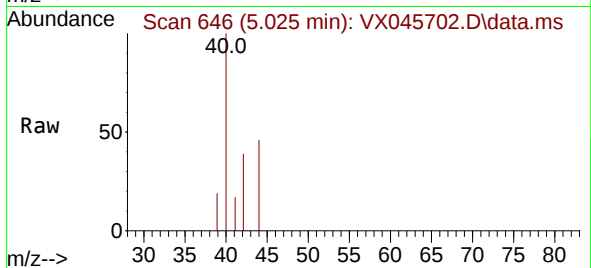
Acq: 10 Apr 2025 16:32

Instrument :

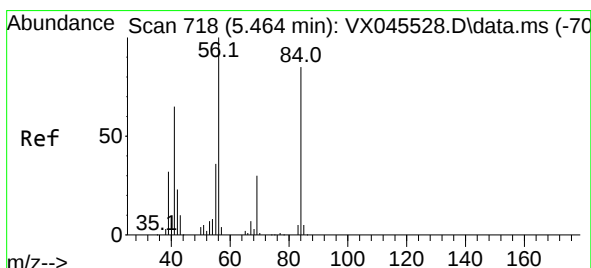
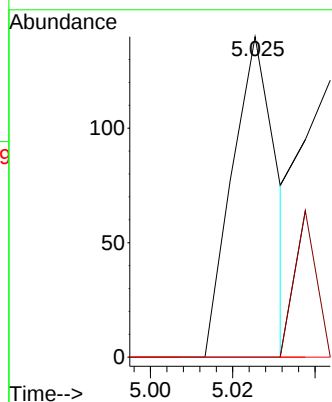
MSVOA_X

ClientSampleId :

PB167534ZHE#08



Tgt Ion:	42	Resp:	107
Ion Ratio	Lower	Upper	
42	100		
72	0.0	33.4	50.0#
71	0.0	31.4	47.0#



#31

Cyclohexane

Concen: 1.300 ug/l

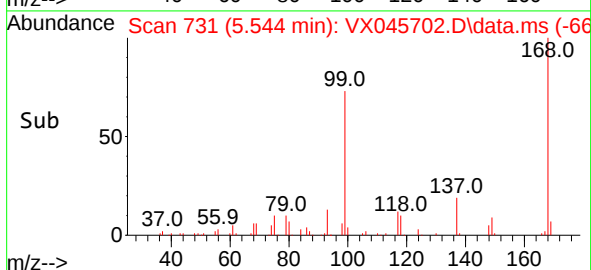
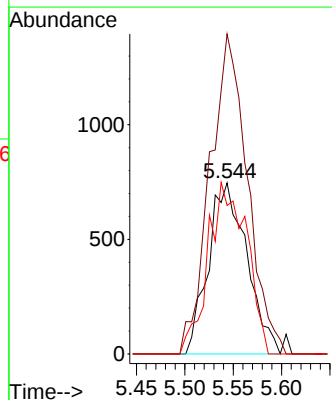
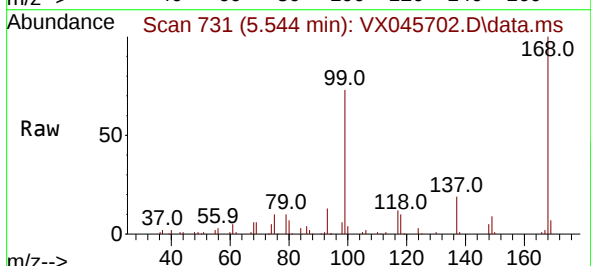
RT: 5.544 min Scan# 731

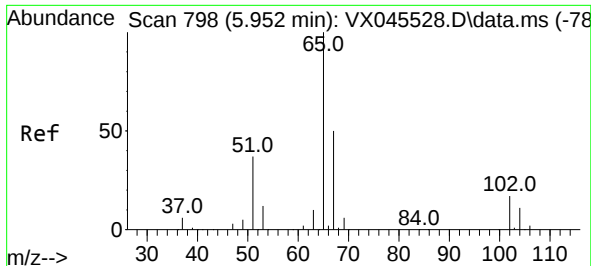
Delta R.T. 0.079 min

Lab File: VX045702.D

Acq: 10 Apr 2025 16:32

Tgt Ion:	56	Resp:	2063
Ion Ratio	Lower	Upper	
56	100		
69	187.1	23.6	35.4#
84	86.9	67.7	101.5





#33

1,2-Dichloroethane-d4

Concen: 54.003 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045702.D

Acq: 10 Apr 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

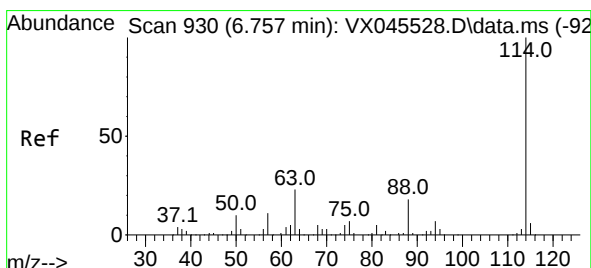
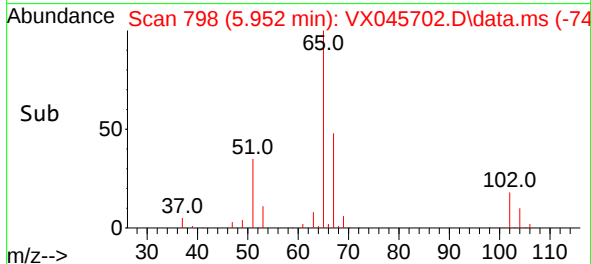
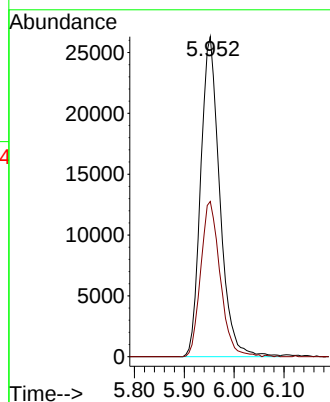
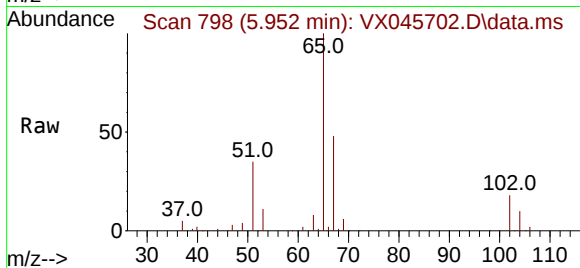
PB167534ZHE#08

Tgt Ion: 65 Resp: 69870

Ion Ratio Lower Upper

65 100

67 49.5 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: VX045702.D

Acq: 10 Apr 2025 16:32

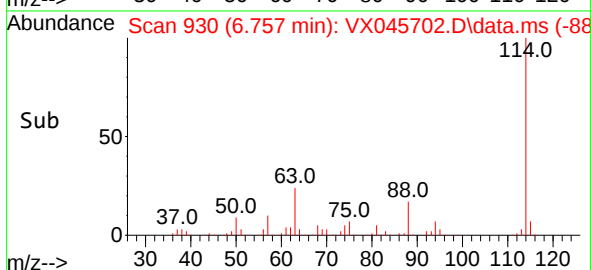
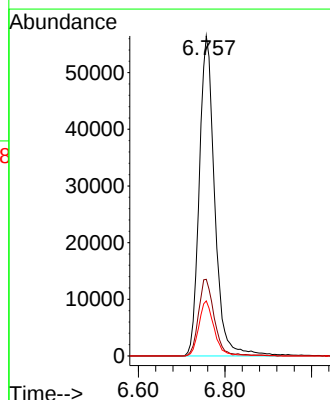
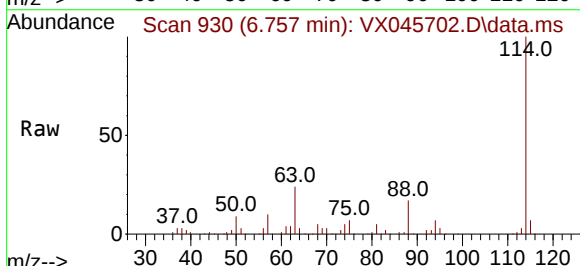
Tgt Ion: 114 Resp: 139571

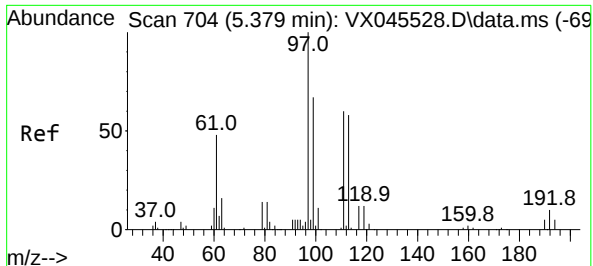
Ion Ratio Lower Upper

114 100

63 23.9 0.0 46.8

88 17.2 0.0 35.4

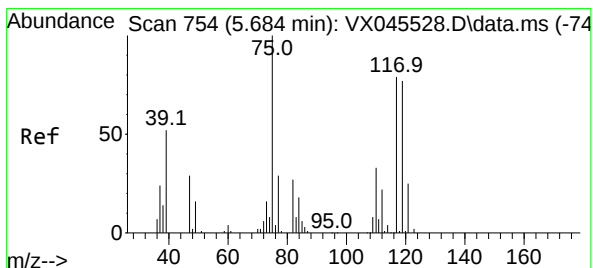
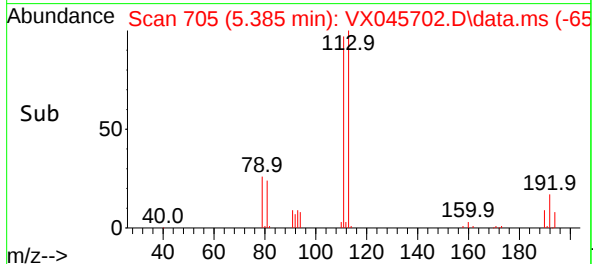
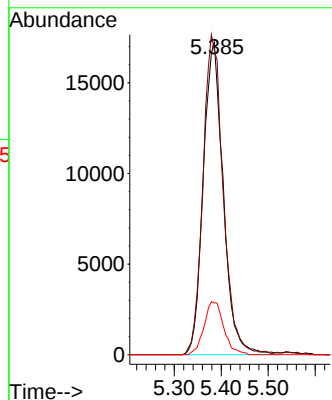
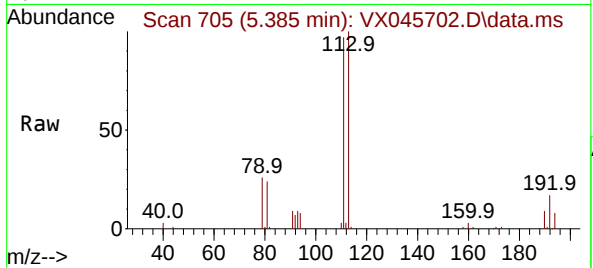




#35
Dibromofluoromethane
Concen: 51.546 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

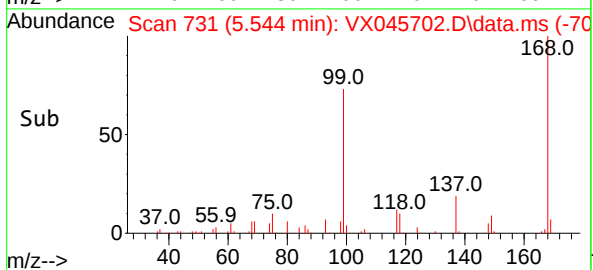
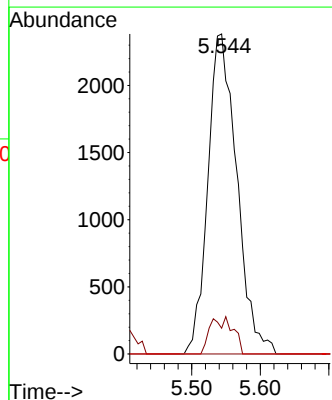
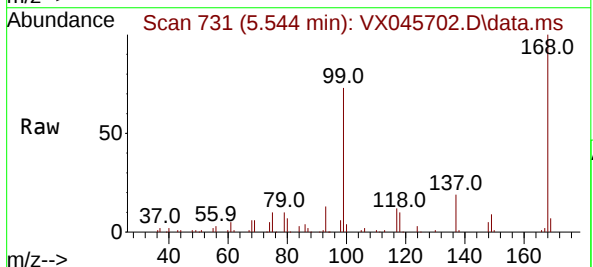
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

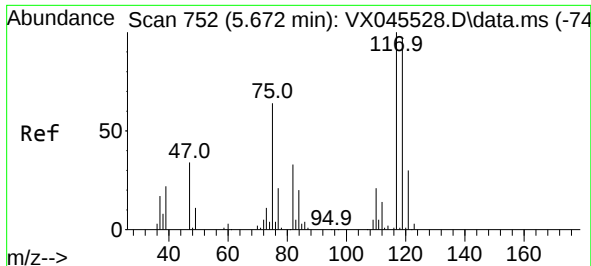
Tgt Ion:113 Resp: 51044
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.226 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

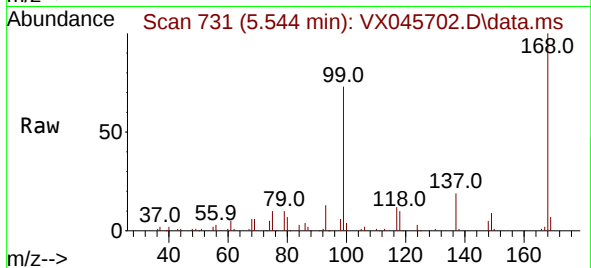
Tgt Ion: 75 Resp: 6988
Ion Ratio Lower Upper
75 100
110 5.0 16.9 50.6#
77 0.0 25.0 37.4#



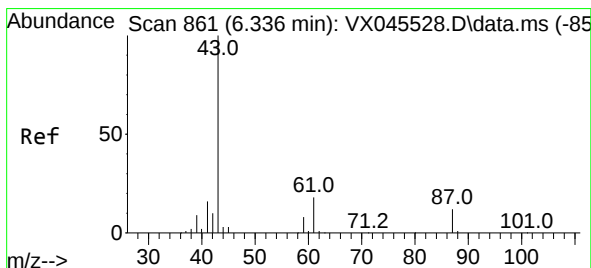
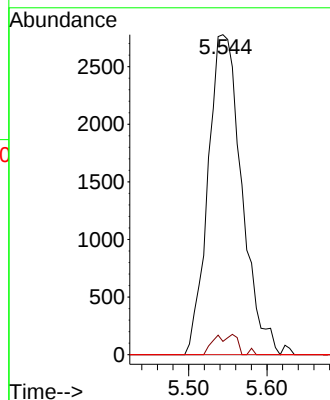
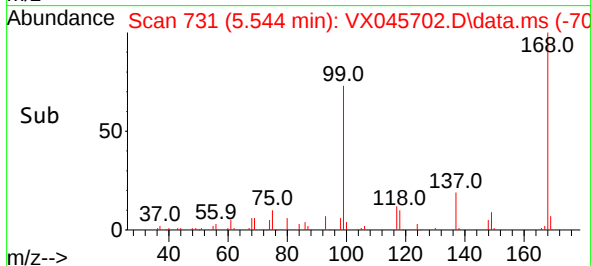


#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

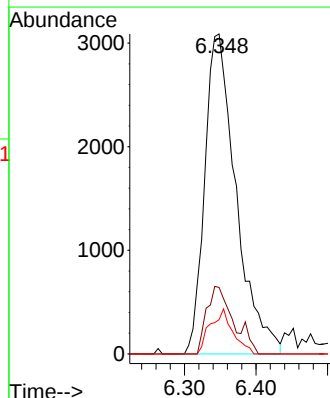
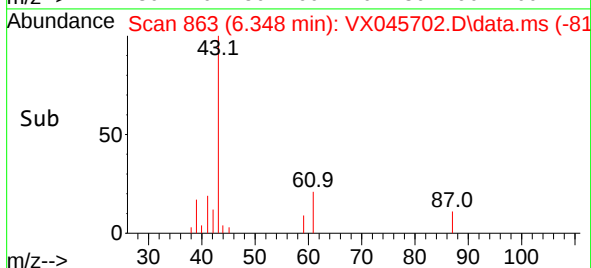
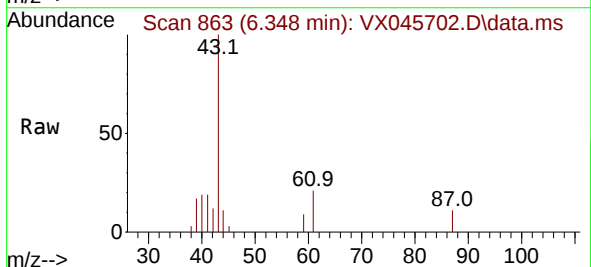


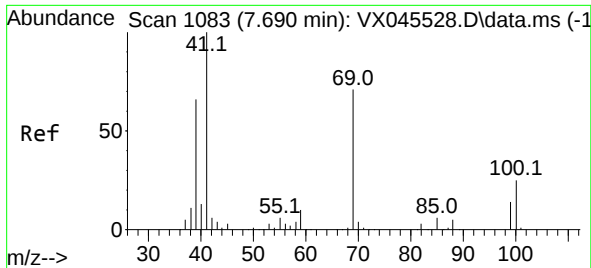
Tgt Ion:117 Resp: 8306
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.679 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion: 43 Resp: 9396
Ion Ratio Lower Upper
43 100
61 18.1 14.1 21.1
87 10.1 9.2 13.8

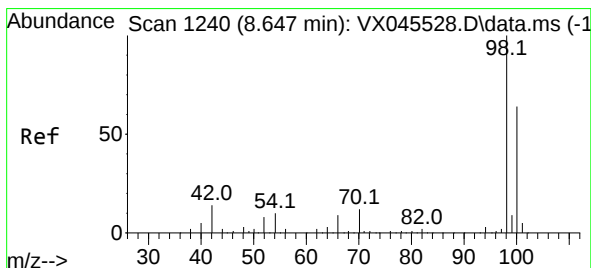
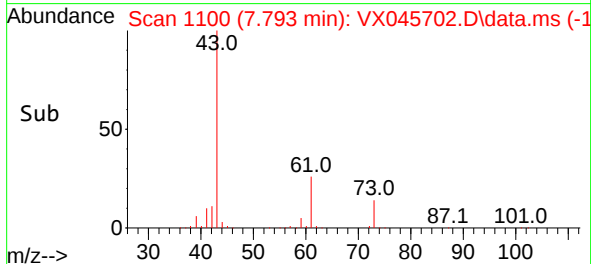
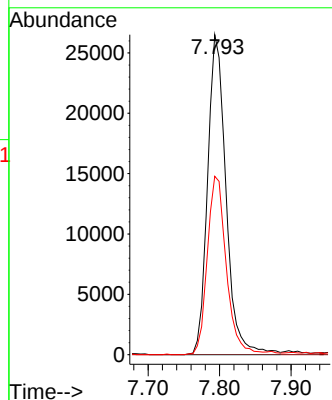
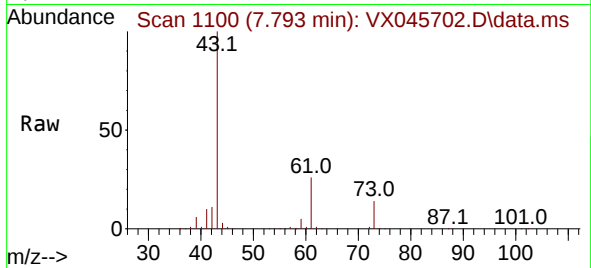




#48
Methyl methacrylate
Concen: 35.998 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

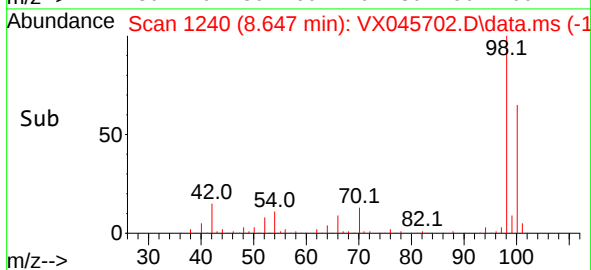
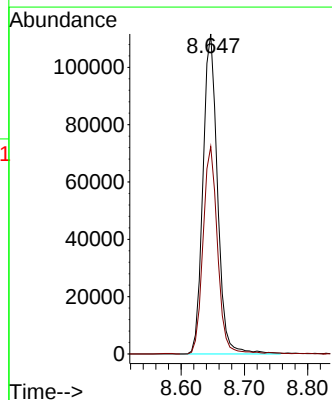
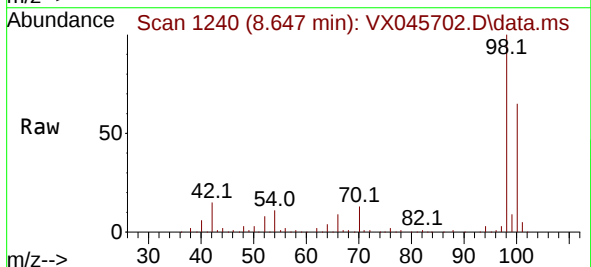
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

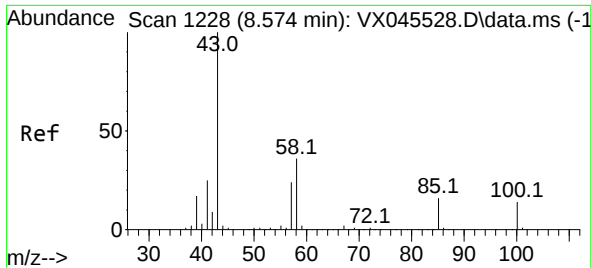
Tgt Ion: 41 Resp: 47465
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.4 53.6 80.4



#50
Toluene-d8
Concen: 51.718 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion: 98 Resp: 178757
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

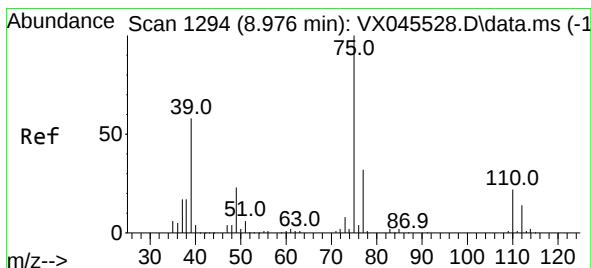
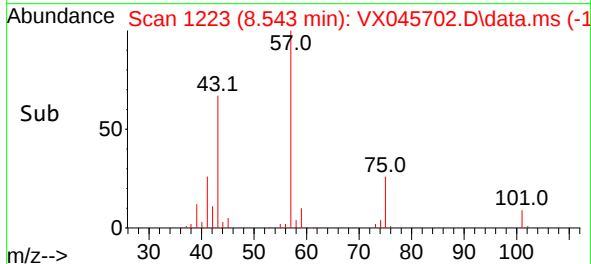
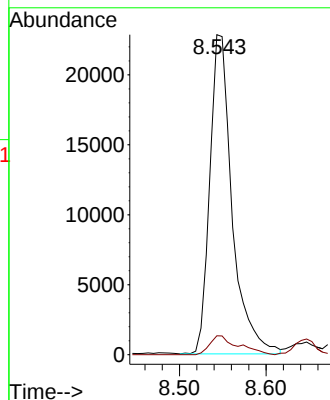
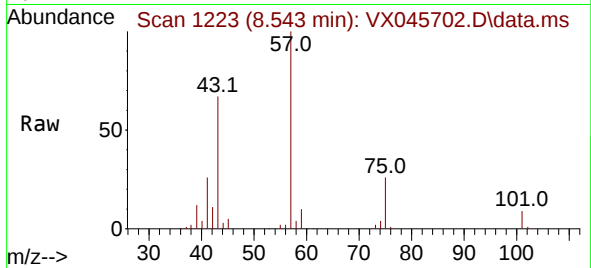




#51
4-Methyl-2-Pentanone
Concen: 24.202 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

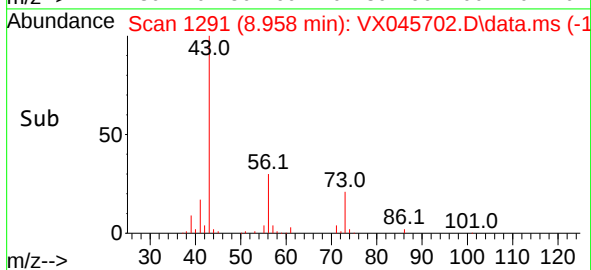
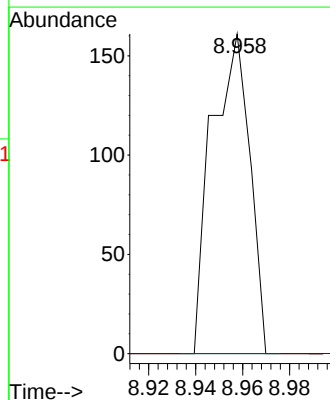
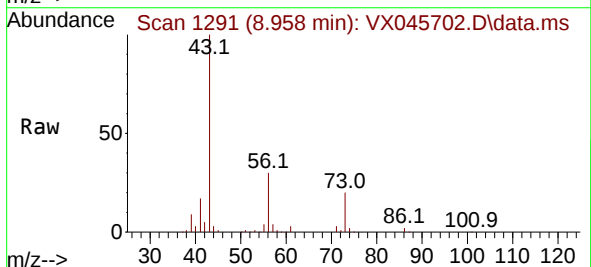
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

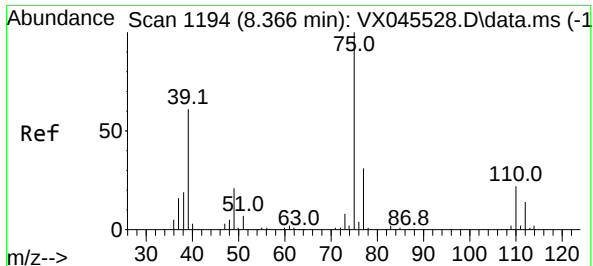
Tgt Ion: 43 Resp: 40973
Ion Ratio Lower Upper
43 100
58 7.5 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.404 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion: 75 Resp: 181
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

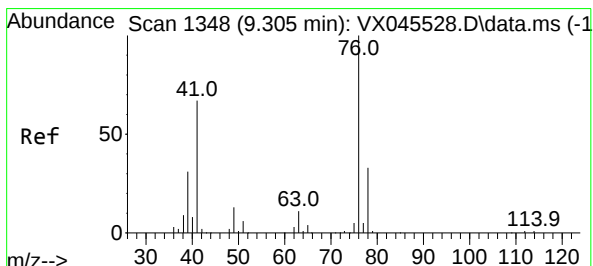
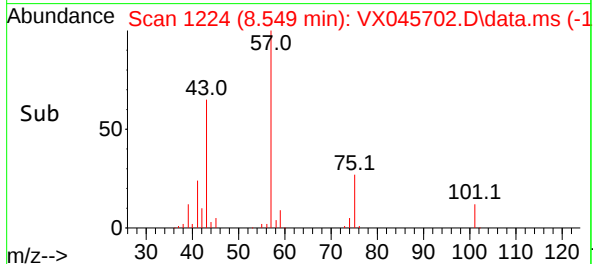
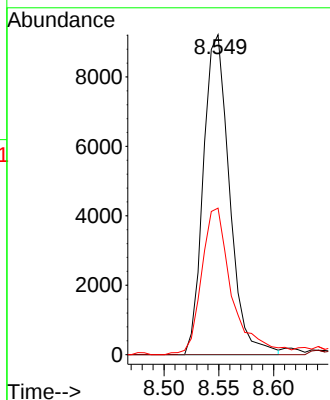
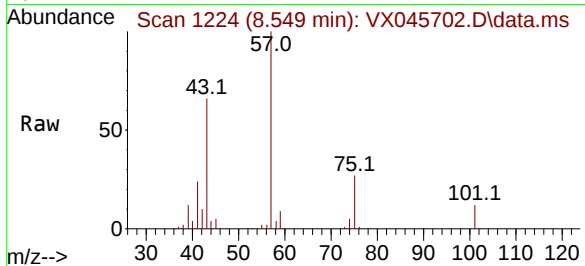




#54
 cis-1,3-Dichloropropene
 Concen: 10.433 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045702.D
 Acq: 10 Apr 2025 16:32

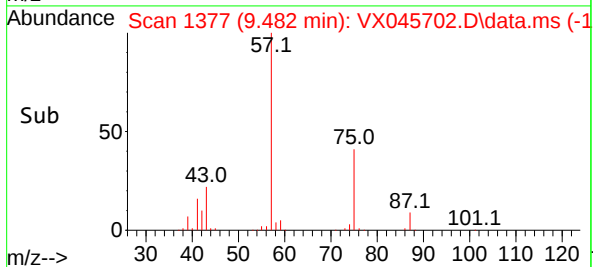
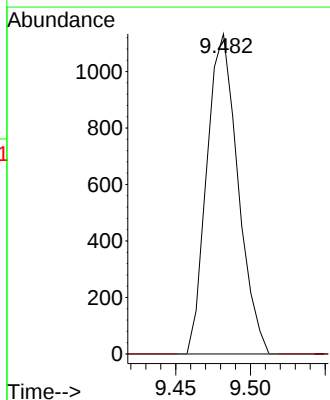
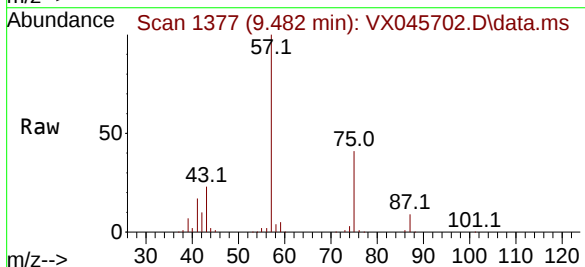
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#08

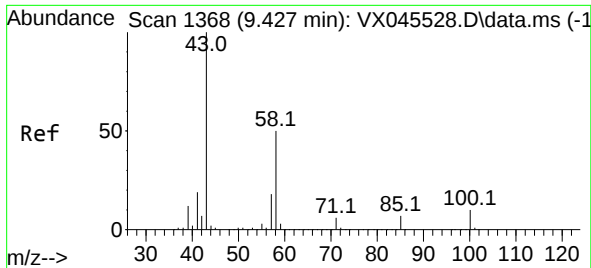
Tgt Ion: 75 Resp: 15313
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.958 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045702.D
 Acq: 10 Apr 2025 16:32

Tgt Ion: 76 Resp: 1642
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 7.952 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045702.D

Acq: 10 Apr 2025 16:32

Instrument :

MSVOA_X

ClientSampleId :

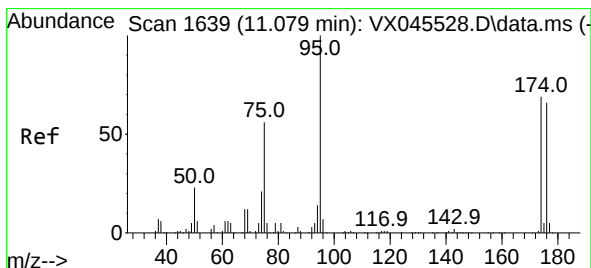
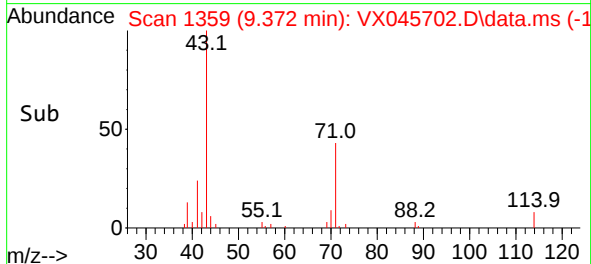
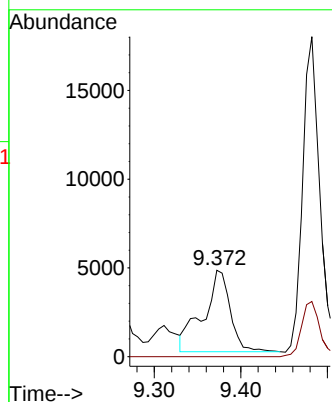
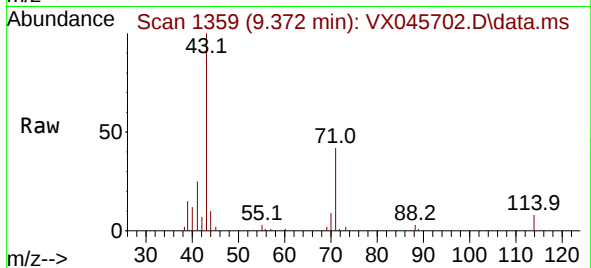
PB167534ZHE#08

Tgt Ion: 43 Resp: 9969

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#



#62

4-Bromofluorobenzene

Concen: 51.917 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045702.D

Acq: 10 Apr 2025 16:32

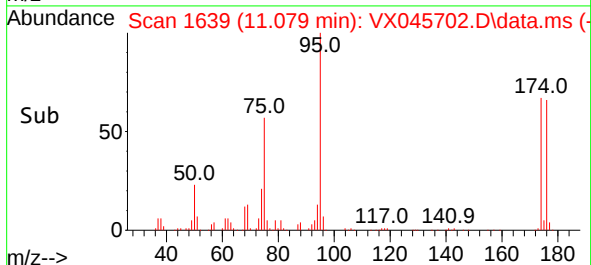
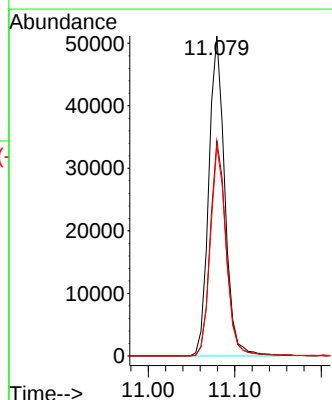
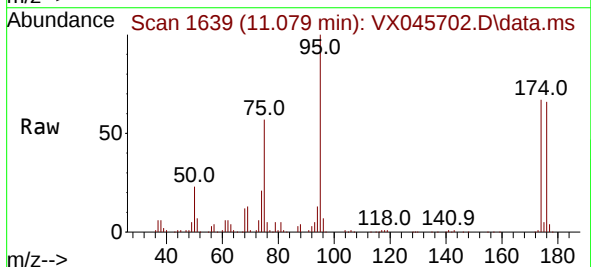
Tgt Ion: 95 Resp: 65363

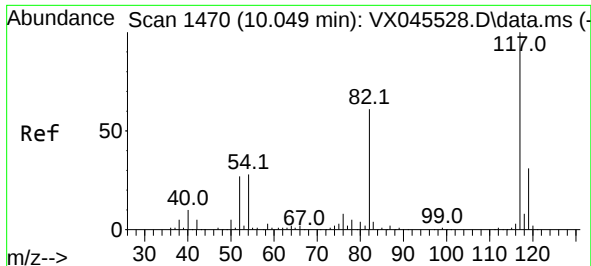
Ion Ratio Lower Upper

95 100

174 67.5 0.0 135.8

176 65.2 0.0 131.4

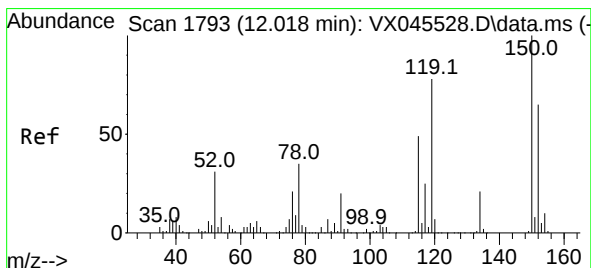
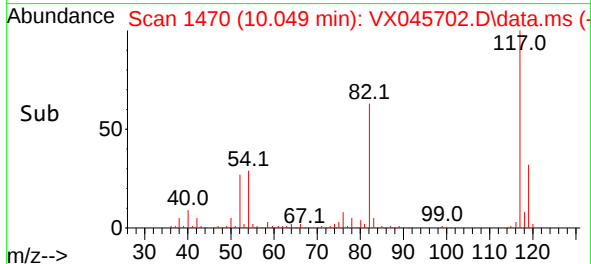
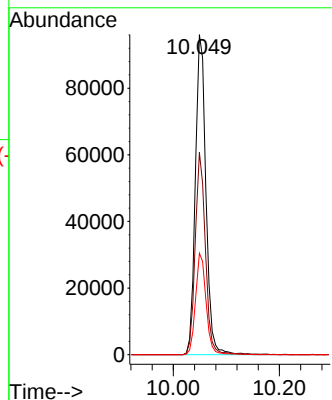
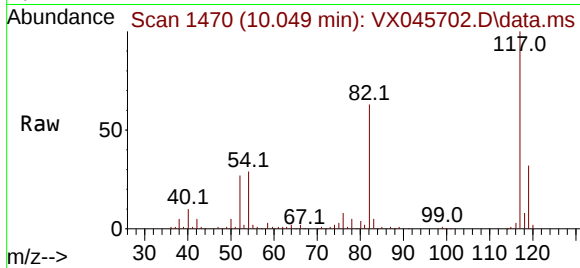




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

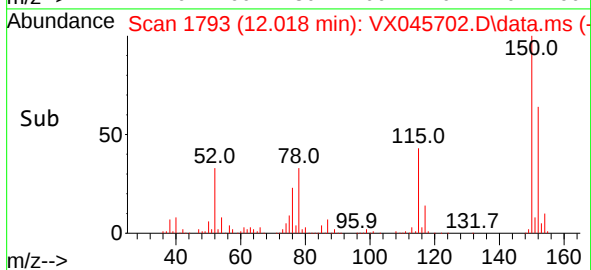
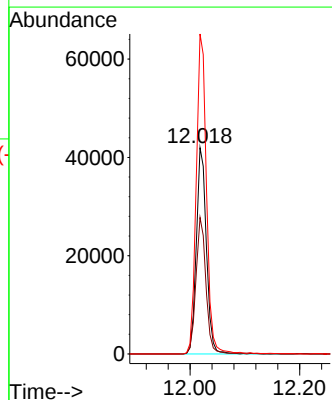
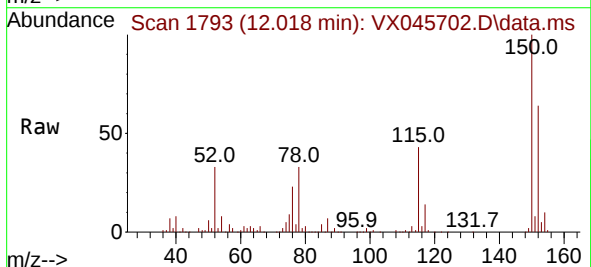
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

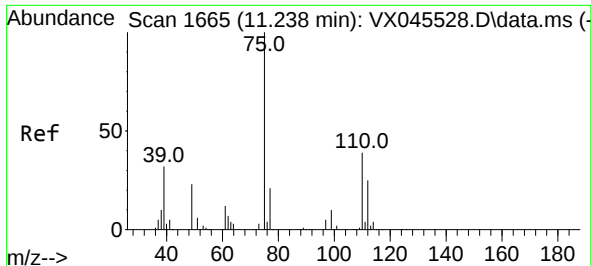
Tgt Ion:117 Resp: 132817
Ion Ratio Lower Upper
117 100
82 63.2 49.2 73.8
119 31.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion:152 Resp: 54023
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 157.3 0.0 349.4

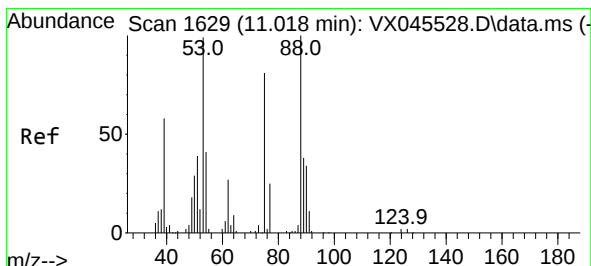
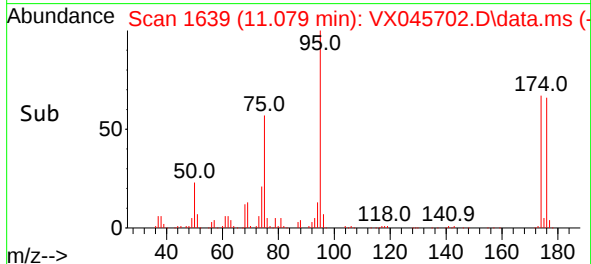
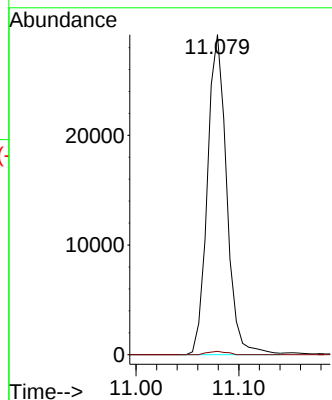
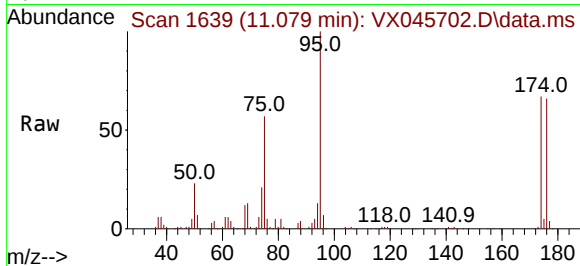




#76
1,2,3-Trichloropropane
Concen: 28.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#08

Tgt Ion: 75 Resp: 38034
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.957 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045702.D
Acq: 10 Apr 2025 16:32

Tgt Ion: 75 Resp: 38034
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

