

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045653.D
 Acq On : 08 Apr 2025 15:34
 Operator : JC/MD
 Sample : PB167492ZHE11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE11

Quant Time: Apr 09 01:40:23 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

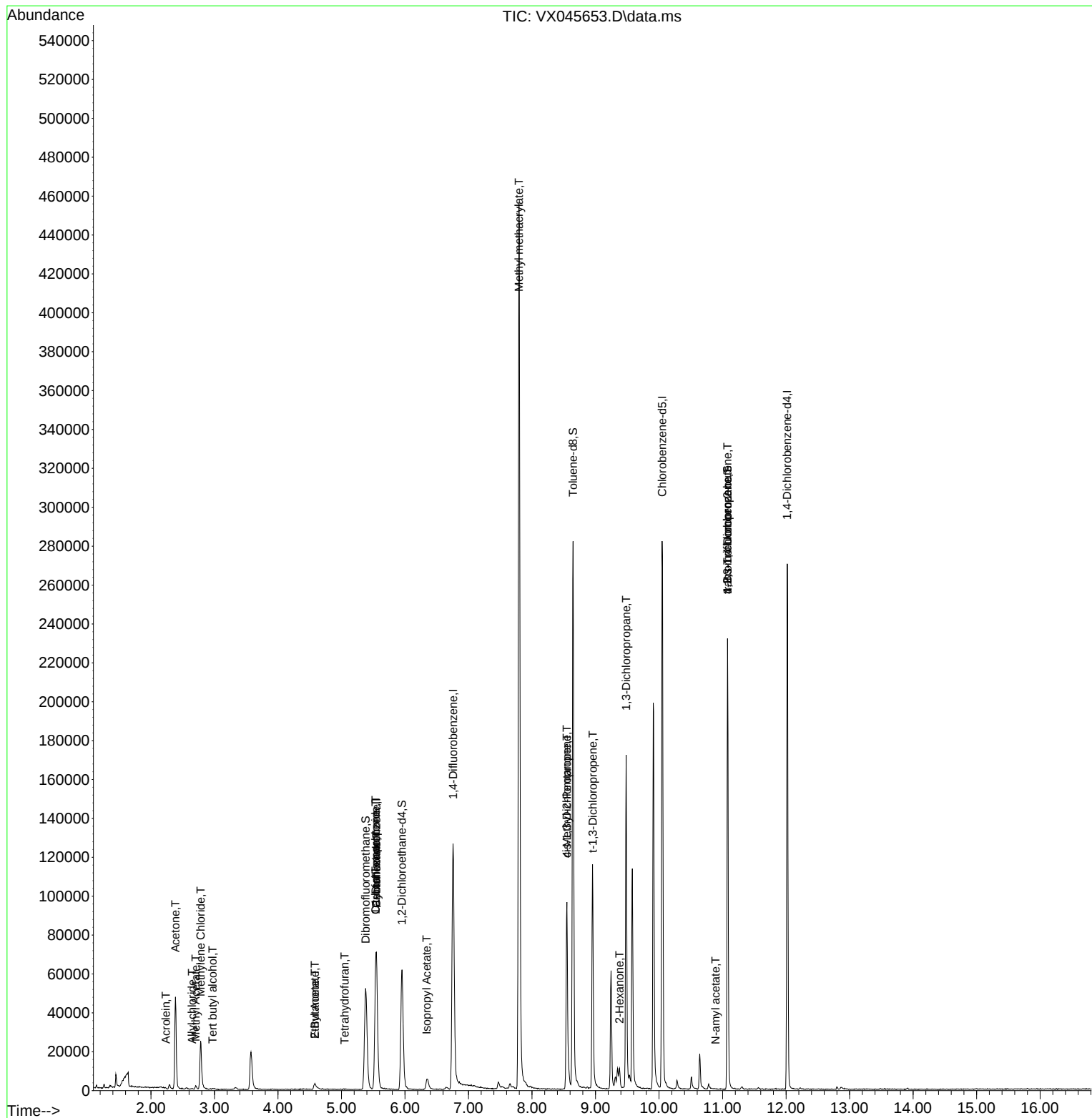
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	62001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62832	55.415	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.840%	
35) Dibromofluoromethane	5.379	113	45382	51.704	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.400%	
50) Toluene-d8	8.647	98	158501	51.737	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.480%	
62) 4-Bromofluorobenzene	11.079	95	58705	52.607	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.220%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.971	59	714	4.686	ug/l #	72
13) Acrolein	2.233	56	57	0.272	ug/l #	55
14) Allyl chloride	2.648	41	473	0.335	ug/l #	40
16) Acetone	2.386	43	52682	113.152	ug/l	95
18) Methyl Acetate	2.703	43	2148	2.004	ug/l	99
20) Methylene Chloride	2.782	84	11317	12.984	ug/l	95
25) 2-Butanone	4.580	43	6662	9.775	ug/l	99
29) Tetrahydrofuran	5.050	42	219	0.496	ug/l #	35
31) Cyclohexane	5.550	56	1908	1.372	ug/l #	44
36) 1,1-Dichloropropene	5.537	75	6278	5.297	ug/l #	46
37) Ethyl Acetate	4.580	43	6662	4.461	ug/l #	71
38) Carbon Tetrachloride	5.537	117	7266	5.673	ug/l #	12
43) Isopropyl Acetate	6.342	43	8457	3.736	ug/l	98
48) Methyl methacrylate	7.793	41	45818	39.204	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	39220	26.137	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	250	2.468	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14463	11.117	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	1366	0.899	ug/l #	42
59) 2-Hexanone	9.378	43	9416	8.474	ug/l #	28
74) N-amyl acetate	10.890	43	395	0.206	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	34479	28.246	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34479	95.864	ug/l #	1

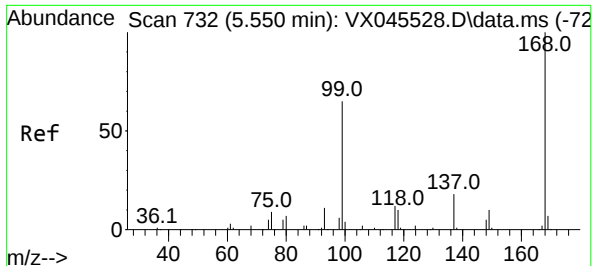
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
Data File : VX045653.D
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Sample : PB167492ZHE11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

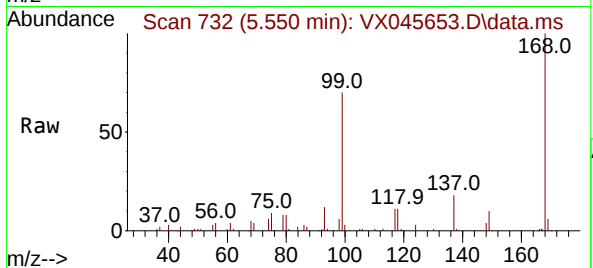
Quant Time: Apr 09 01:40:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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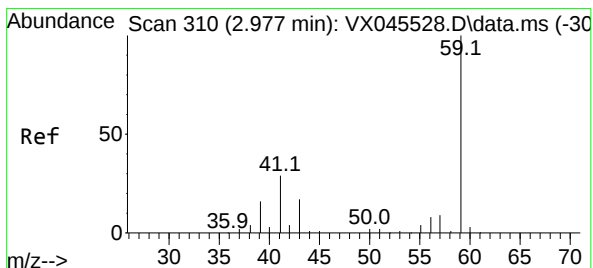
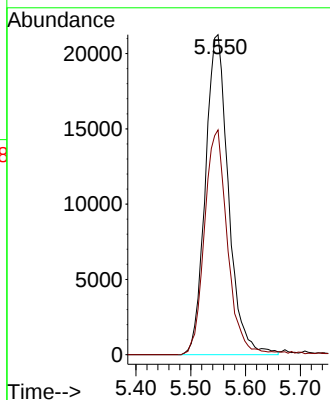
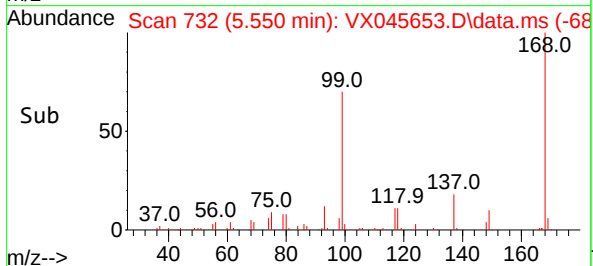


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

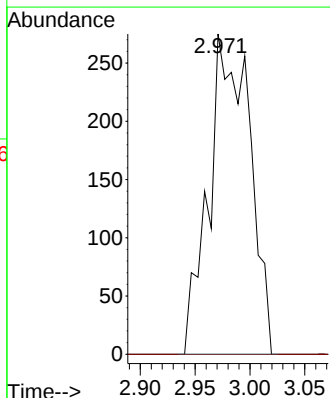
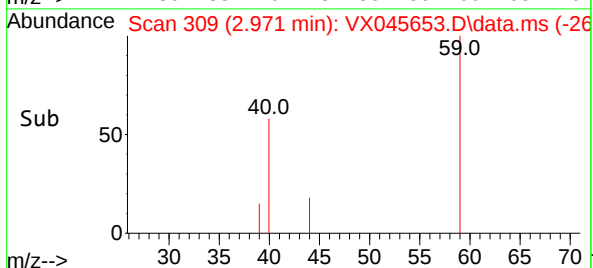
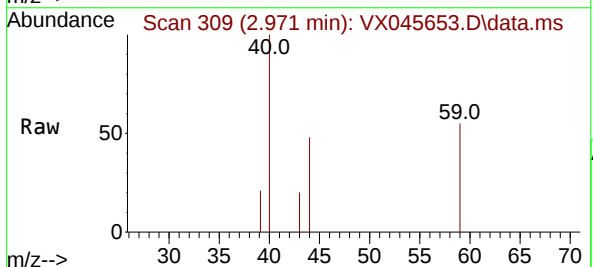


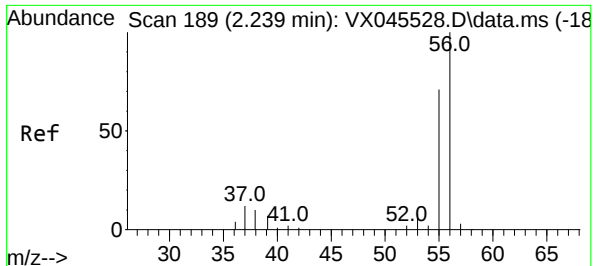
Tgt Ion:168 Resp: 62001
Ion Ratio Lower Upper
168 100
99 70.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.686 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

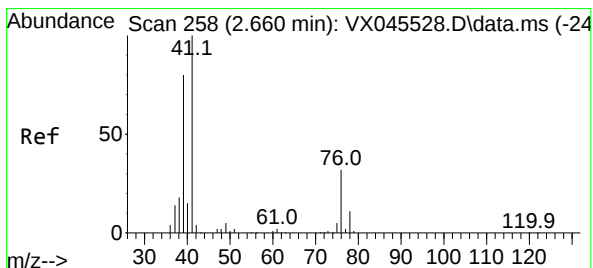
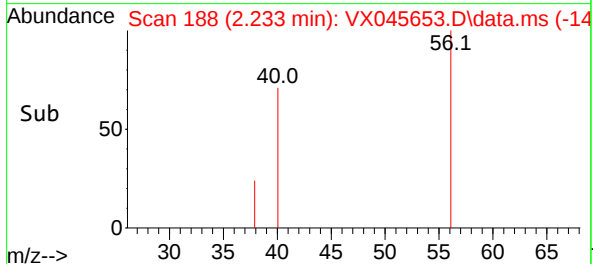
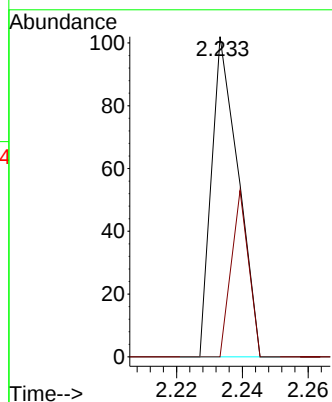
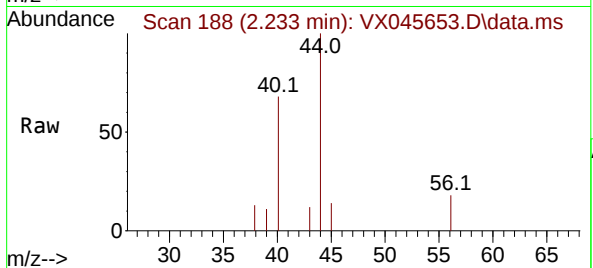




#13
Acrolein
Concen: 0.272 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

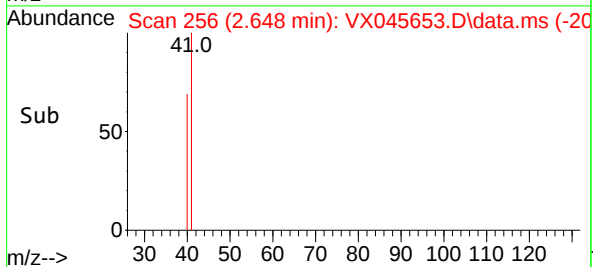
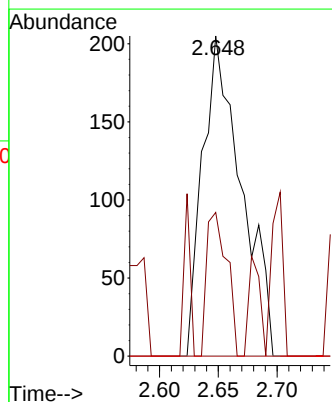
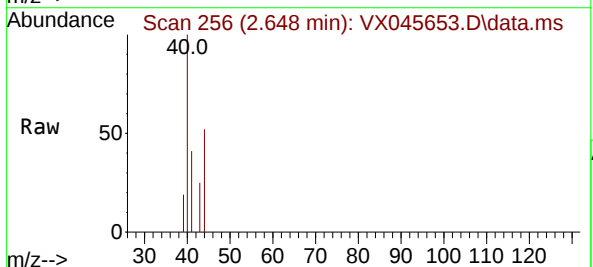
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

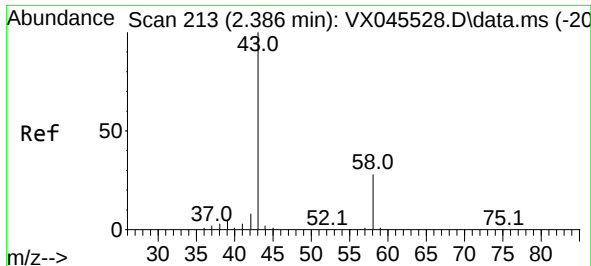
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 33.3 56.2 84.2#



#14
Allyl chloride
Concen: 0.335 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 41 Resp: 473
Ion Ratio Lower Upper
41 100
39 23.3 60.2 90.2#
76 0.0 24.6 36.8#

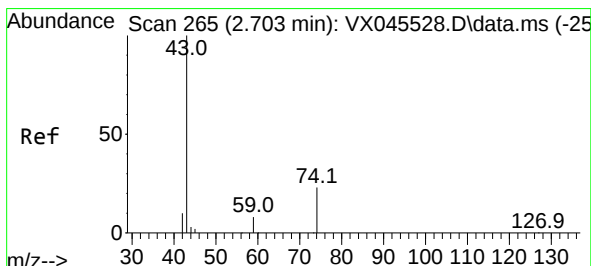
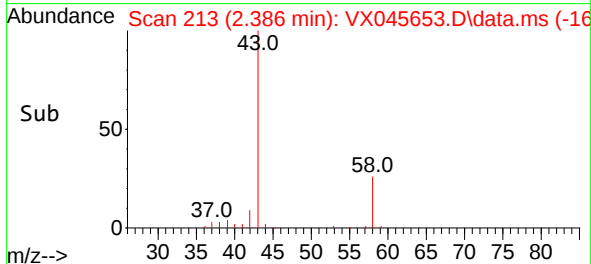
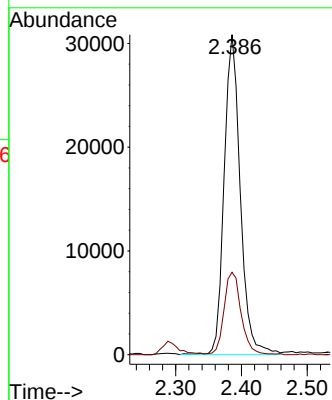
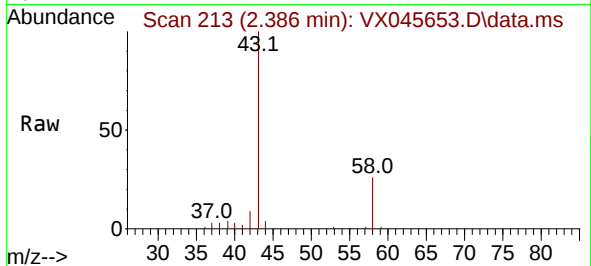




#16
Acetone
Concen: 113.152 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

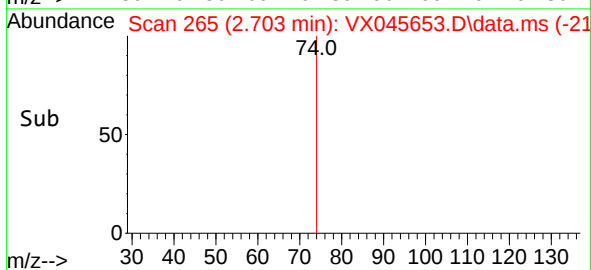
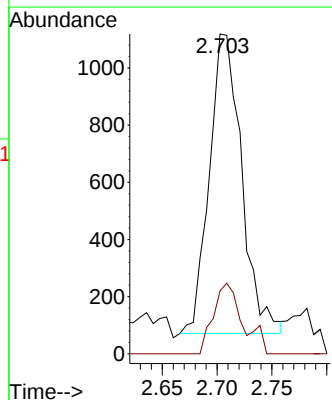
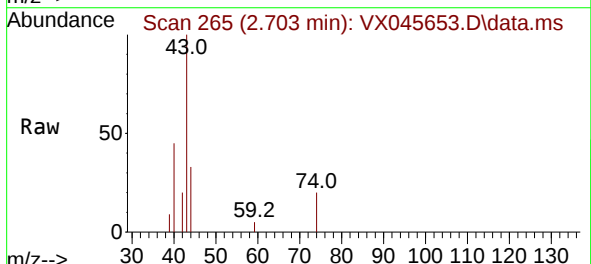
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

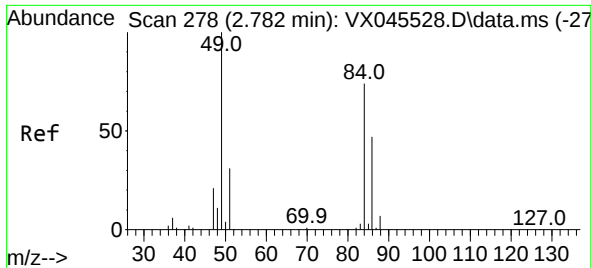
Tgt Ion: 43 Resp: 52682
Ion Ratio Lower Upper
43 100
58 25.4 22.3 33.5



#18
Methyl Acetate
Concen: 2.004 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 43 Resp: 2148
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3

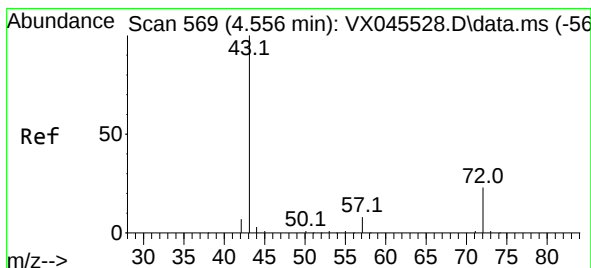
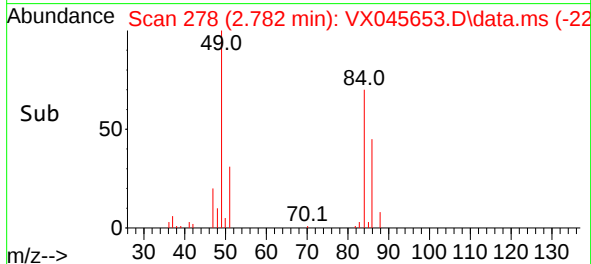
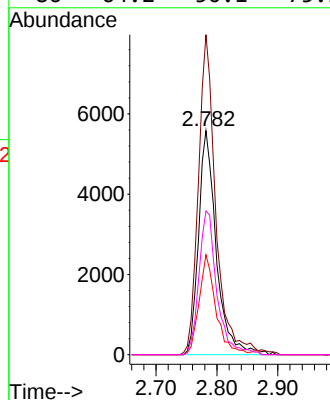
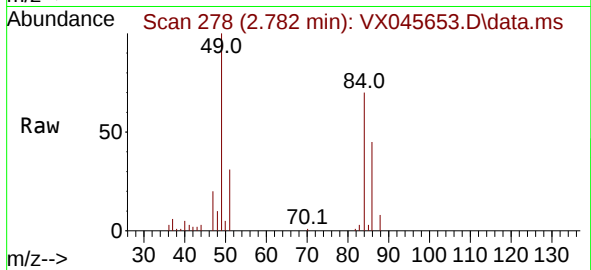




#20
Methylene Chloride
Concen: 12.984 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

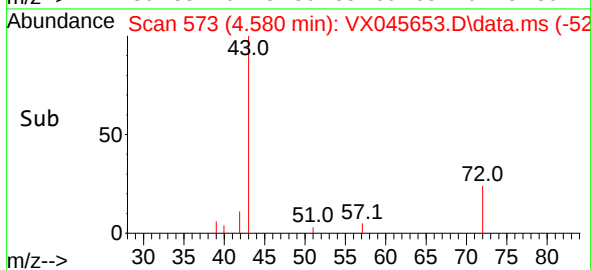
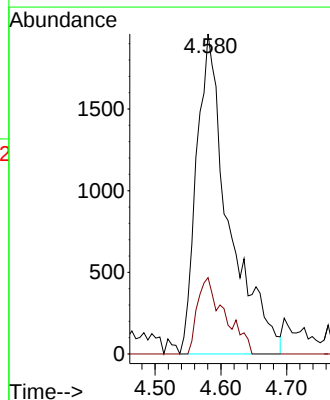
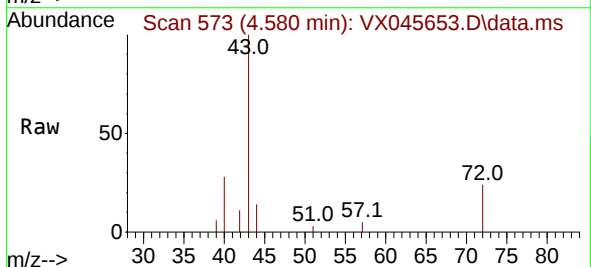
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

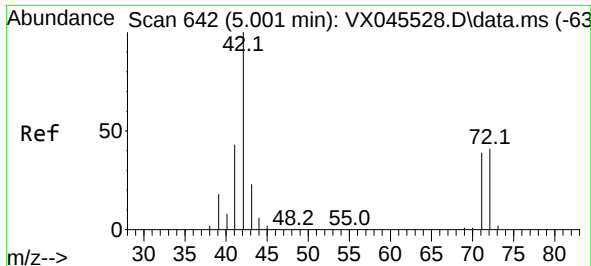
Tgt Ion:	84	Resp:	11317
Ion	Ratio	Lower	Upper
84	100		
49	142.9	107.5	161.3
51	44.6	33.0	49.6
86	64.2	50.1	75.1



#25
2-Butanone
Concen: 9.775 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion:	43	Resp:	6662
Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.496 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE11

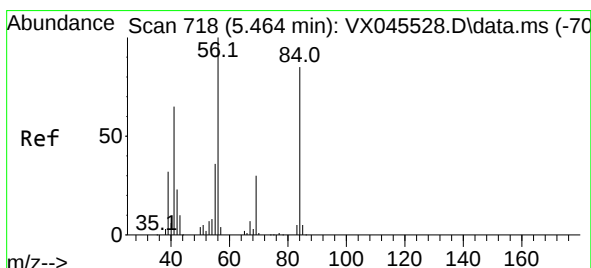
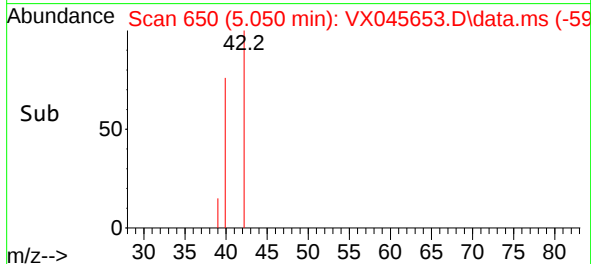
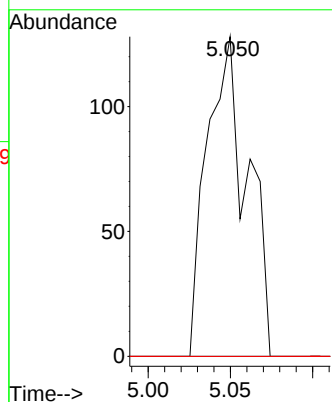
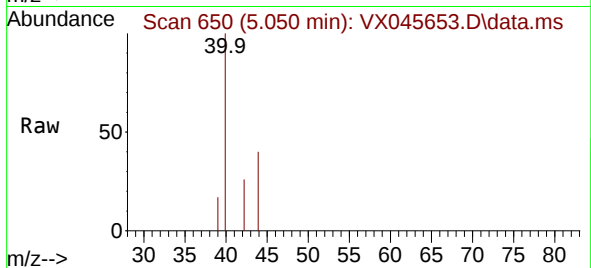
Tgt Ion: 42 Resp: 219

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.372 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

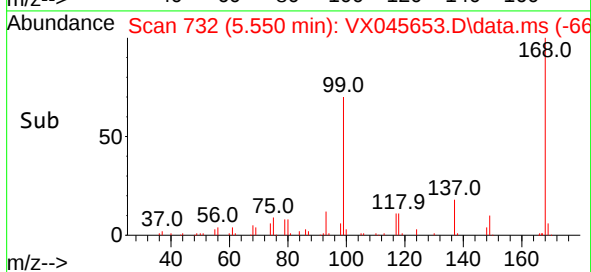
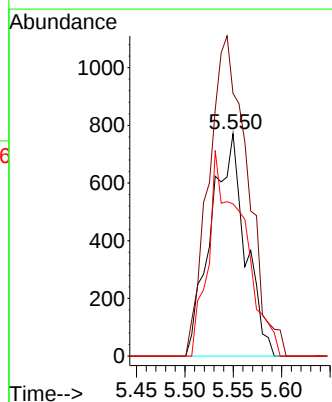
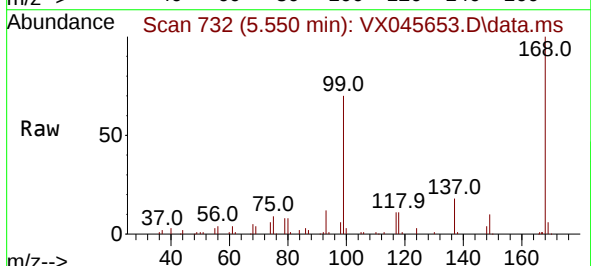
Tgt Ion: 56 Resp: 1908

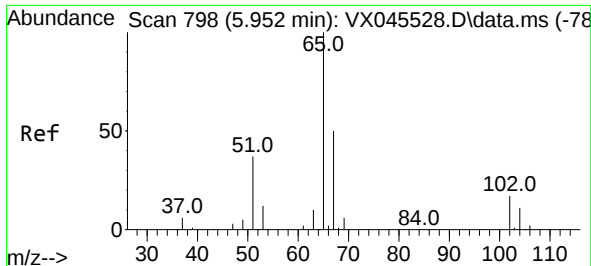
Ion Ratio Lower Upper

56 100

69 118.2 23.6 35.4#

84 68.5 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.415 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

Instrument :

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ClientSampleId :

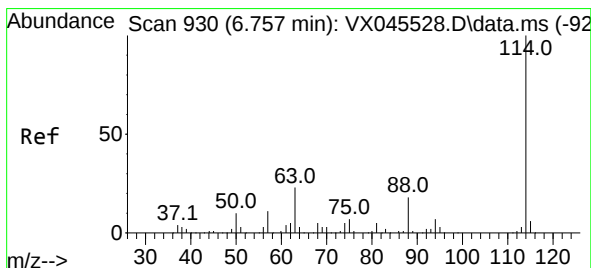
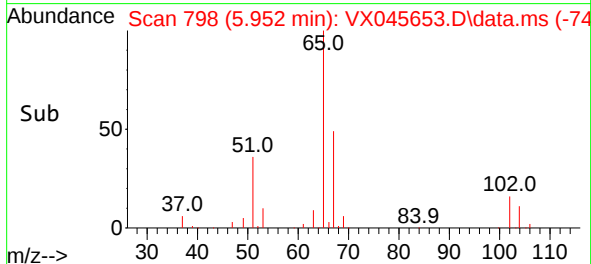
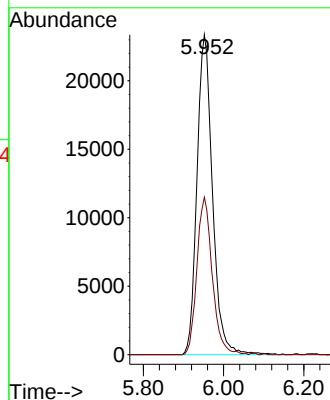
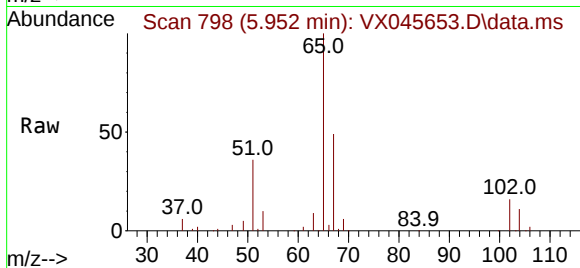
PB167492ZHE11

Tgt Ion: 65 Resp: 62832

Ion Ratio Lower Upper

65 100

67 48.8 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: VX045653.D

Acq: 08 Apr 2025 15:34

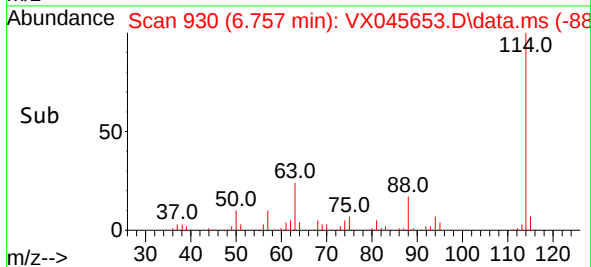
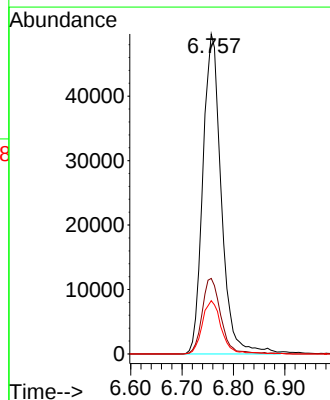
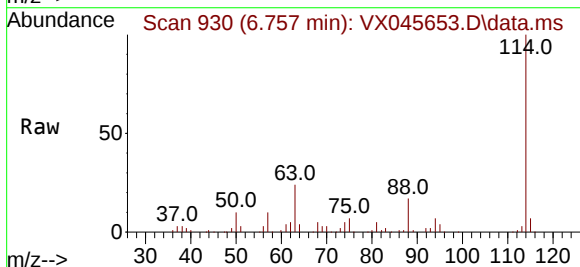
Tgt Ion: 114 Resp: 123710

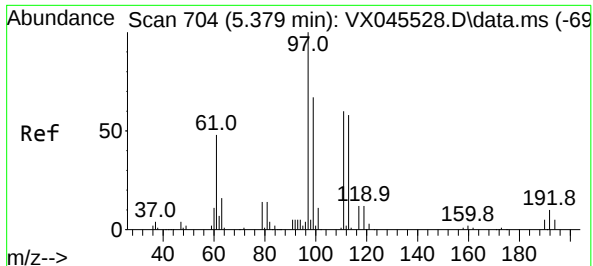
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.8

88 16.7 0.0 35.4





#35

Dibromofluoromethane

Concen: 51.704 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045653.D

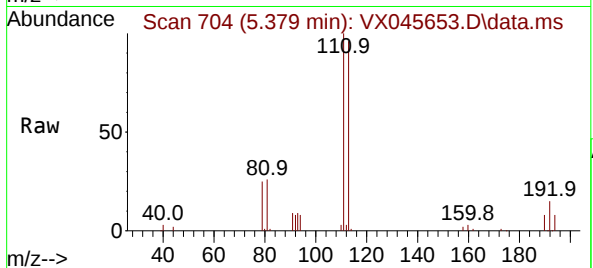
Acq: 08 Apr 2025 15:34

Instrument :

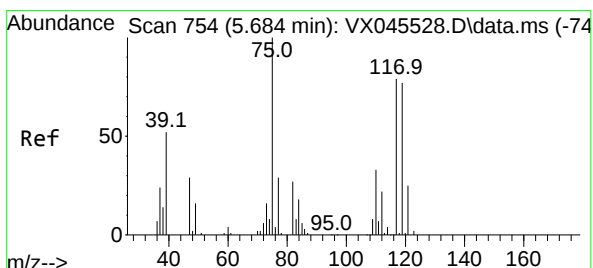
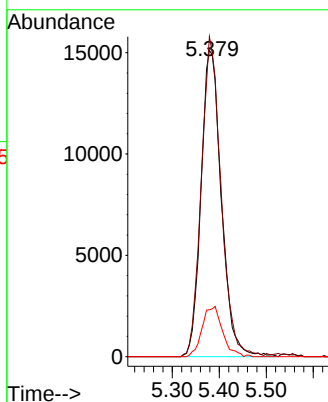
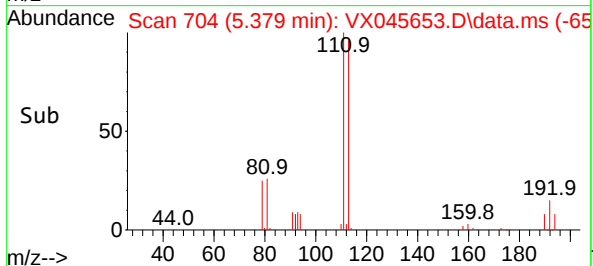
MSVOA_X

ClientSampleId :

PB167492ZHE11



Tgt Ion:	113	Resp:	45382
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.6
192	16.4	13.8	20.6



#36

1,1-Dichloropropene

Concen: 5.297 ug/l

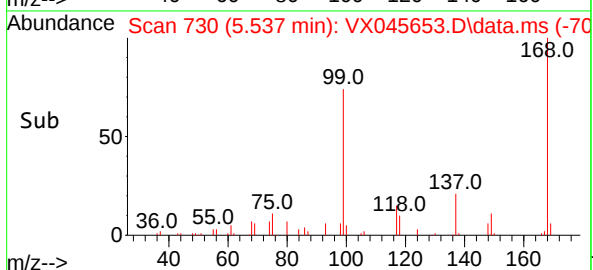
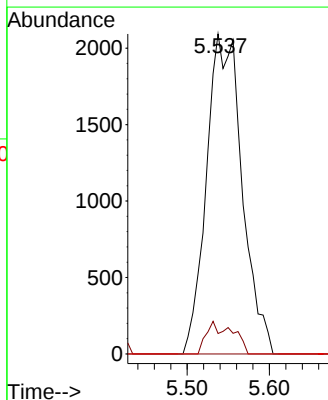
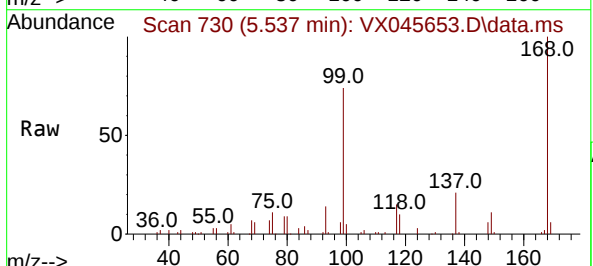
RT: 5.537 min Scan# 730

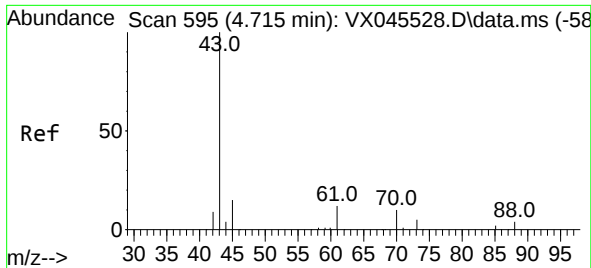
Delta R.T. -0.146 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

Tgt Ion:	75	Resp:	6278
Ion	Ratio	Lower	Upper
75	100		
110	4.3	16.9	50.6#
77	0.0	25.0	37.4#





#37

Ethyl Acetate

Concen: 4.461 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE11

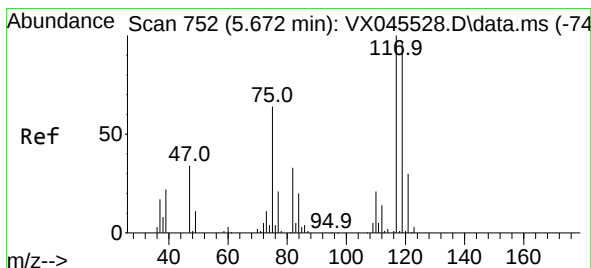
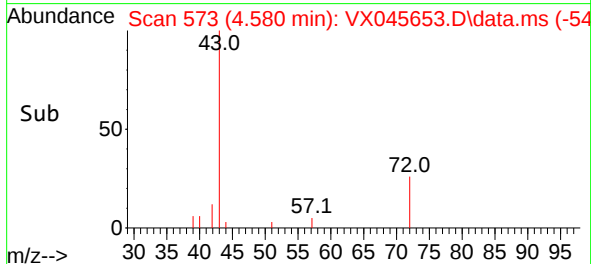
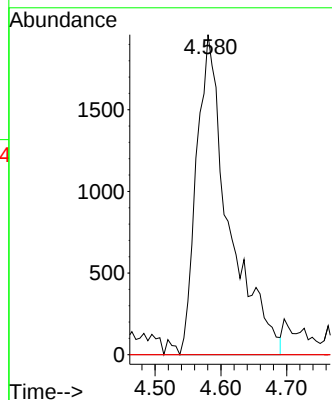
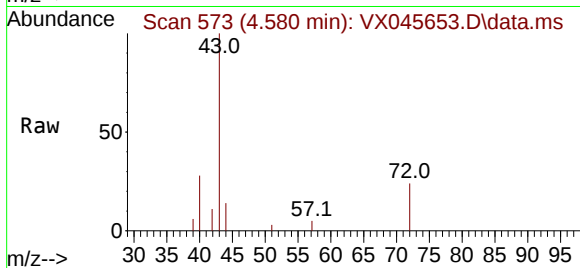
Tgt Ion: 43 Resp: 6662

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.673 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

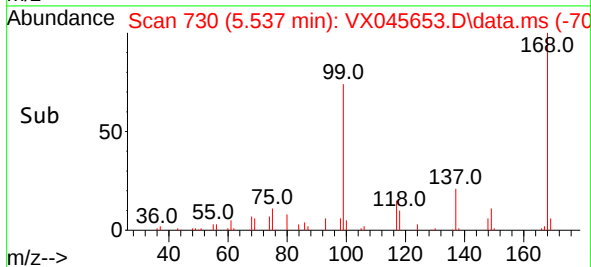
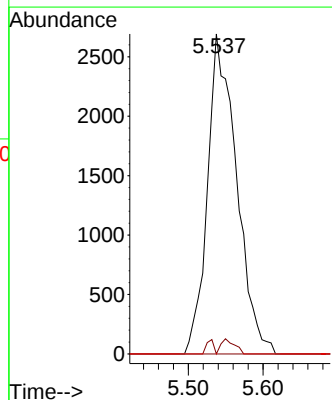
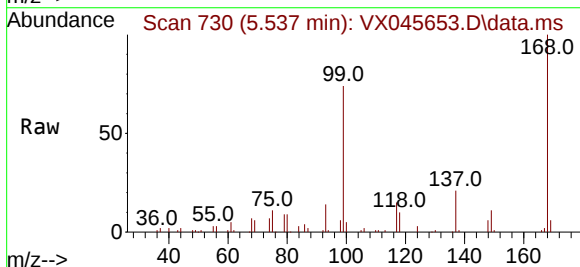
Tgt Ion: 117 Resp: 7266

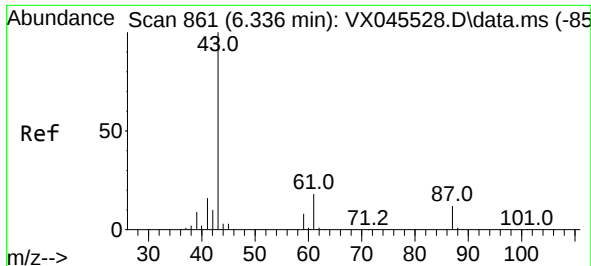
Ion Ratio Lower Upper

117 100

119 0.0 76.9 115.3#

121 0.0 24.2 36.2#

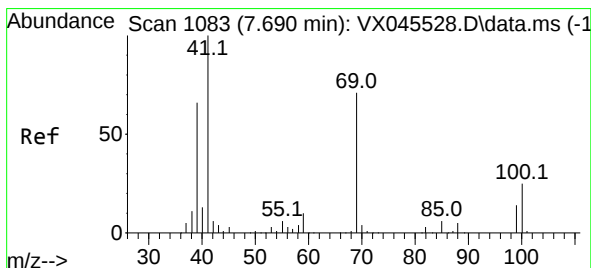
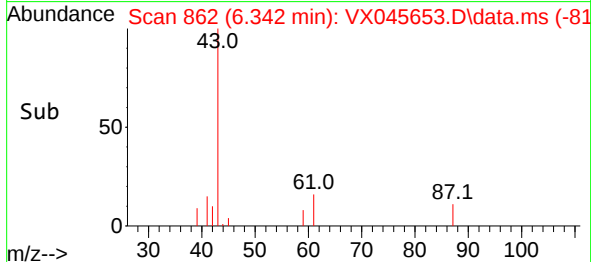
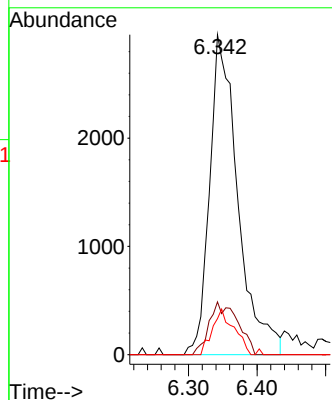
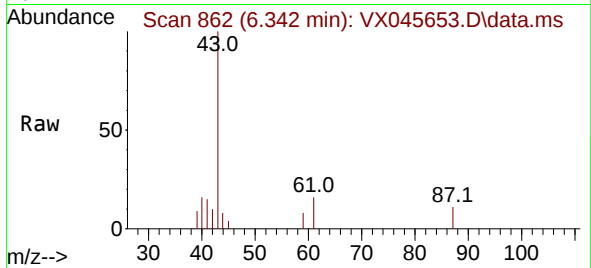




#43
Isopropyl Acetate
Concen: 3.736 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

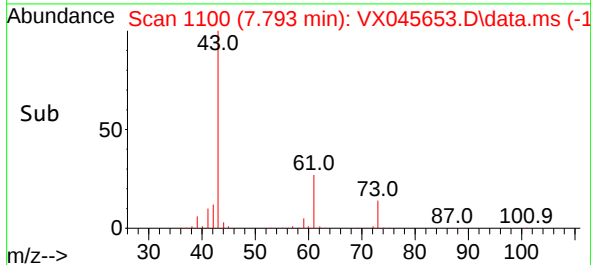
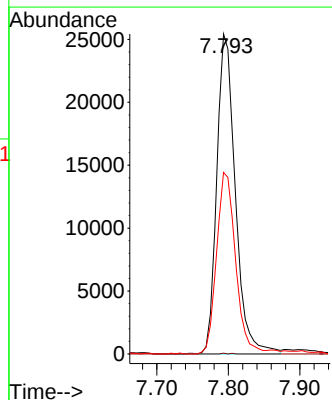
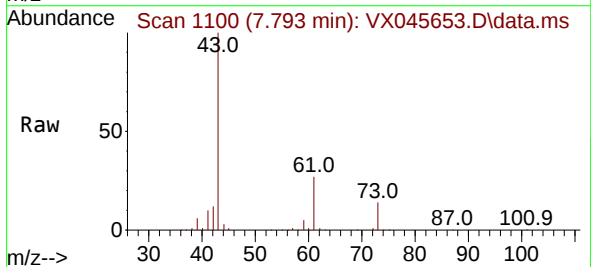
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

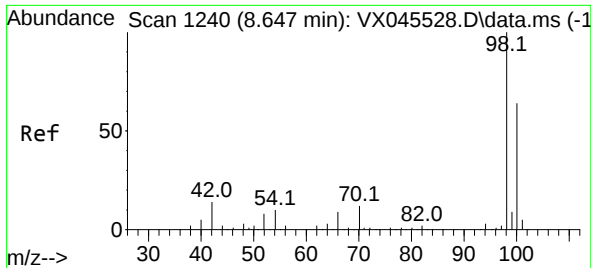
Tgt Ion: 43 Resp: 8457
Ion Ratio Lower Upper
43 100
61 16.7 14.1 21.1
87 10.9 9.2 13.8



#48
Methyl methacrylate
Concen: 39.204 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 41 Resp: 45818
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 59.2 53.6 80.4

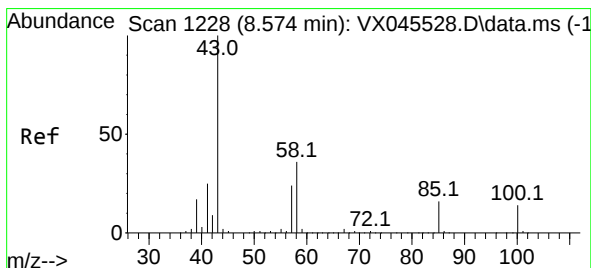
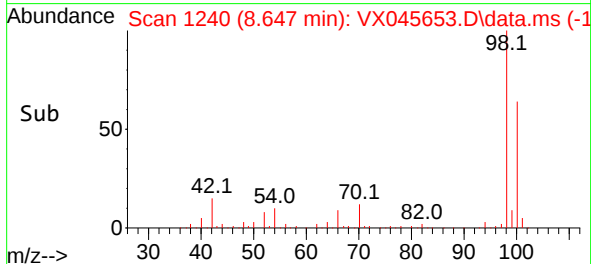
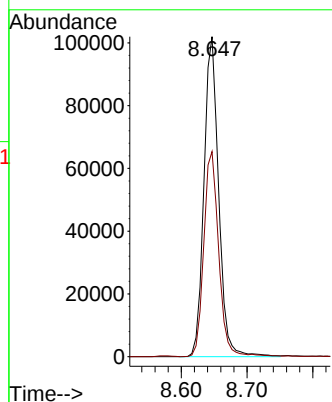
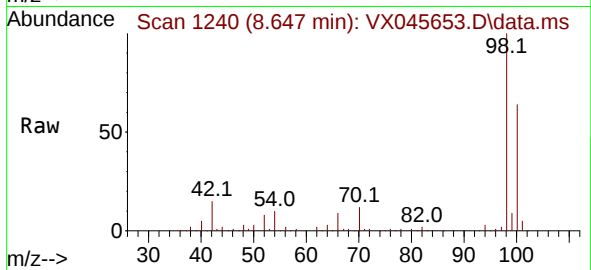




#50
Toluene-d8
Concen: 51.737 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

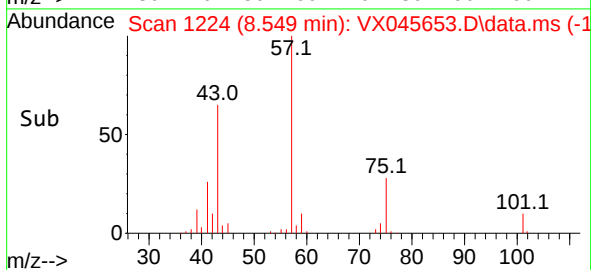
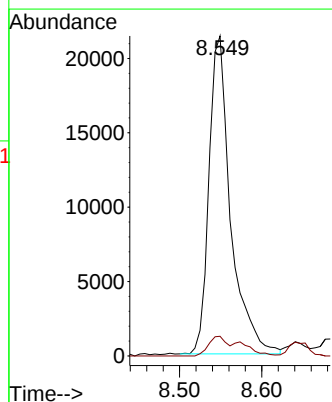
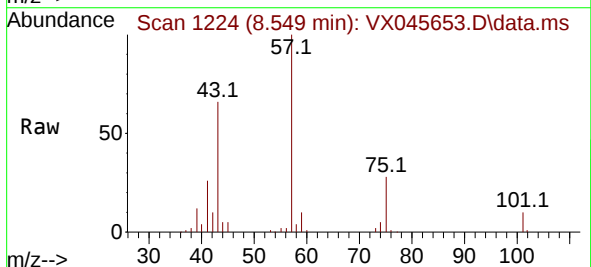
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

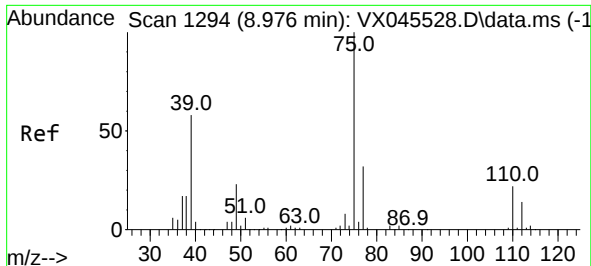
Tgt Ion: 98 Resp: 158501
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 26.137 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 43 Resp: 39220
Ion Ratio Lower Upper
43 100
58 5.3 28.5 42.7#

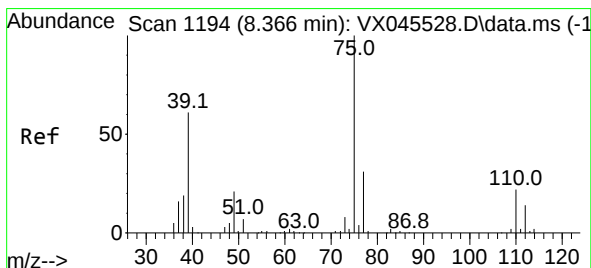
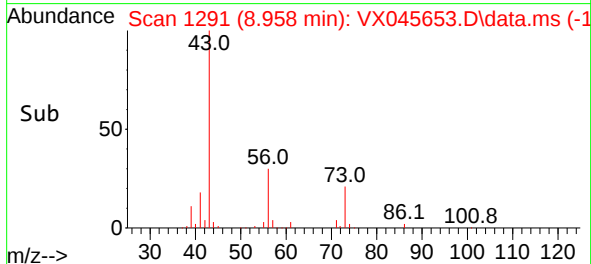
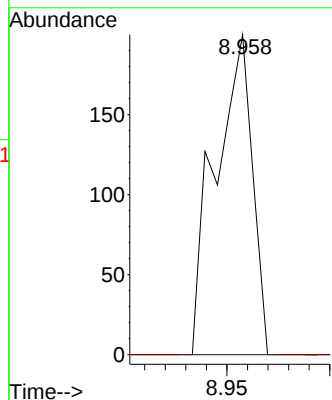
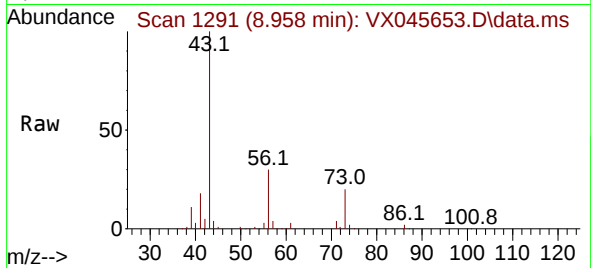




#53
t-1,3-Dichloropropene
Concen: 2.468 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

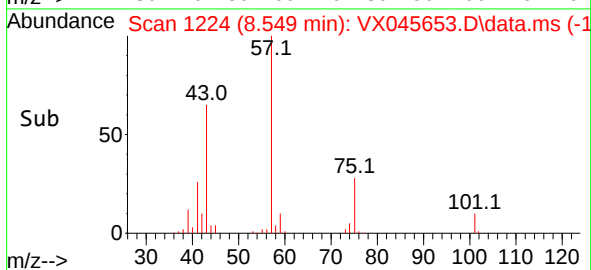
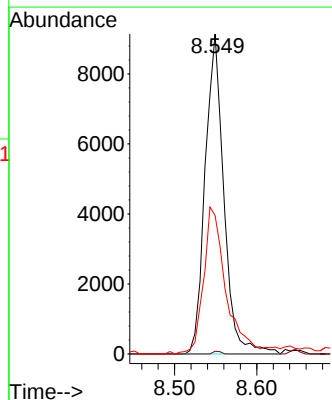
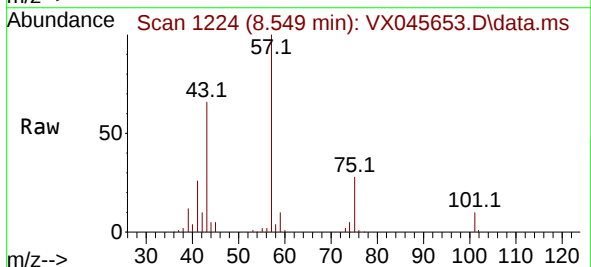
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

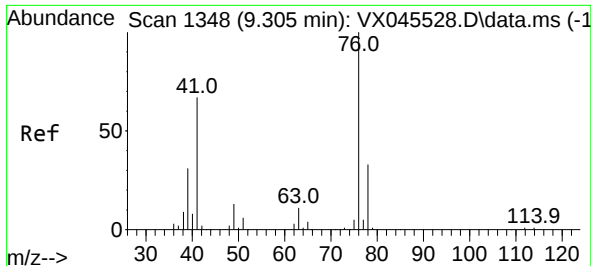
Tgt Ion: 75 Resp: 250
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.117 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 75 Resp: 14463
Ion Ratio Lower Upper
75 100
77 0.9 24.6 36.8#
39 42.7 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.899 ug/l

RT: 9.482 min Scan# 1366

Delta R.T. 0.177 min

Lab File: VX045653.D

Acq: 08 Apr 2025 15:34

Instrument :

MSVOA_X

ClientSampleId :

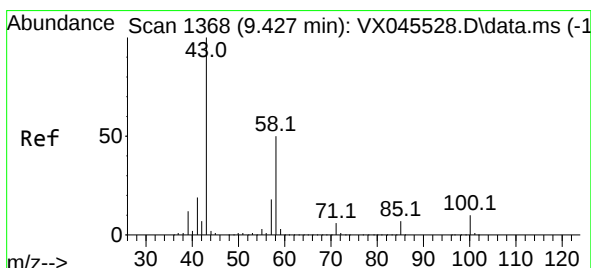
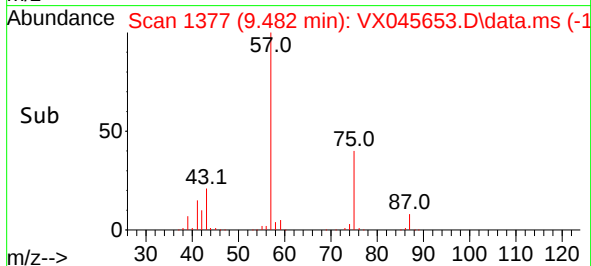
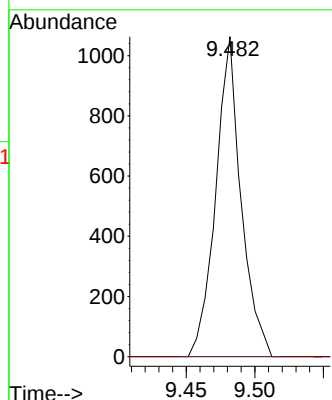
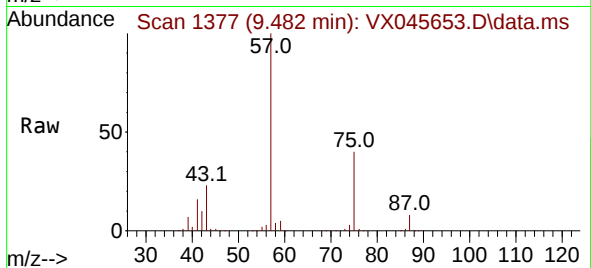
PB167492ZHE11

Tgt Ion: 76 Resp: 1366

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.474 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045653.D

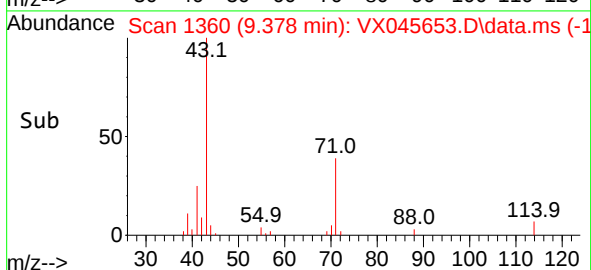
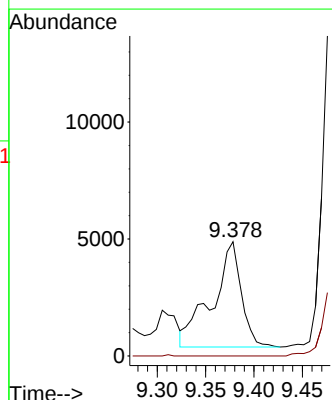
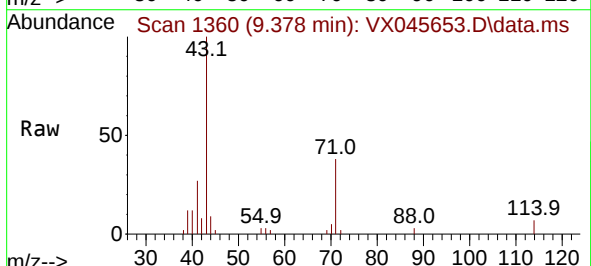
Acq: 08 Apr 2025 15:34

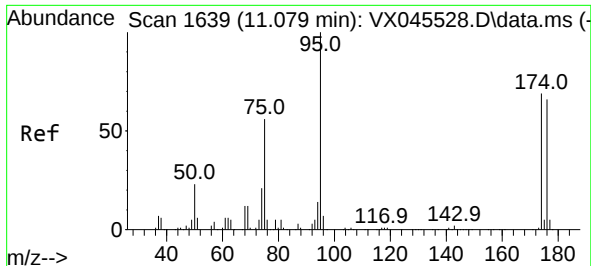
Tgt Ion: 43 Resp: 9416

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

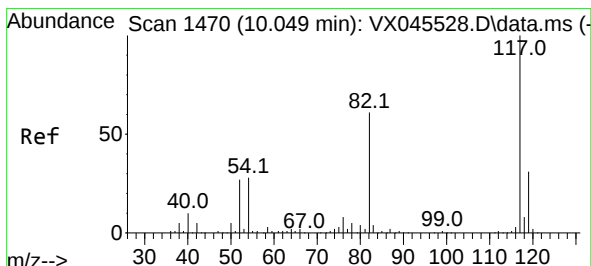
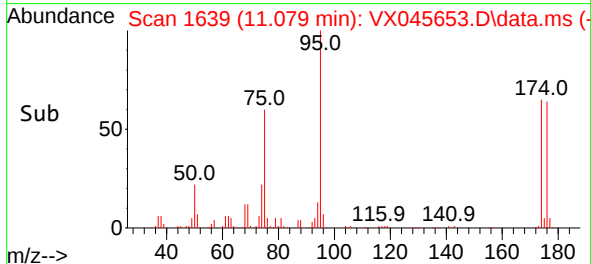
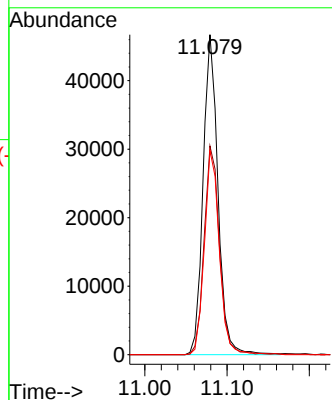
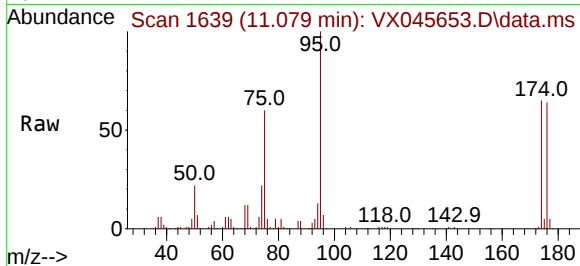




#62
4-Bromofluorobenzene
Concen: 52.607 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

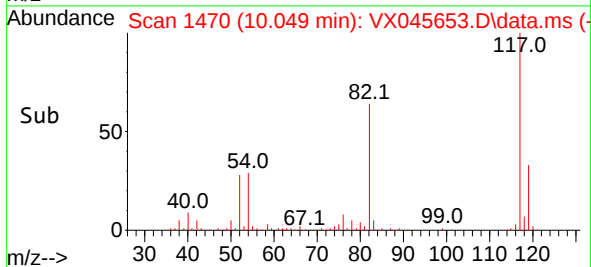
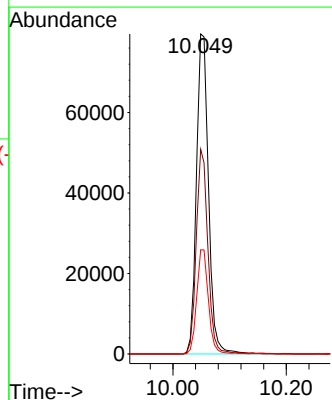
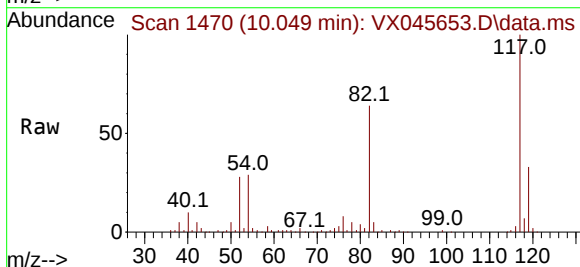
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

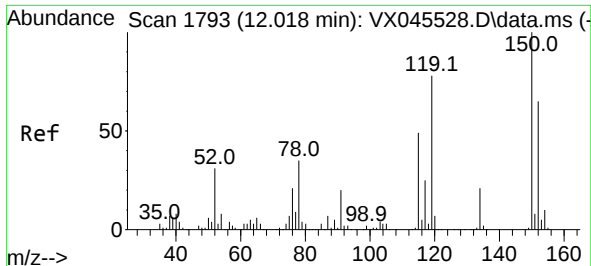
Tgt Ion: 95 Resp: 58705
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 64.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

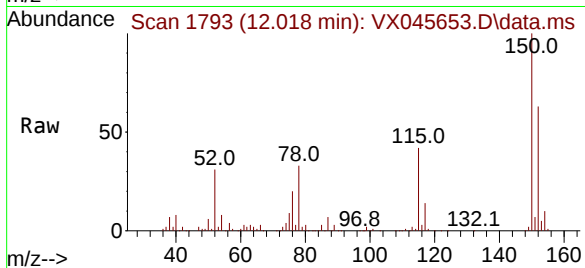
Tgt Ion: 117 Resp: 117449
Ion Ratio Lower Upper
117 100
82 64.0 49.2 73.8
119 32.5 25.1 37.7



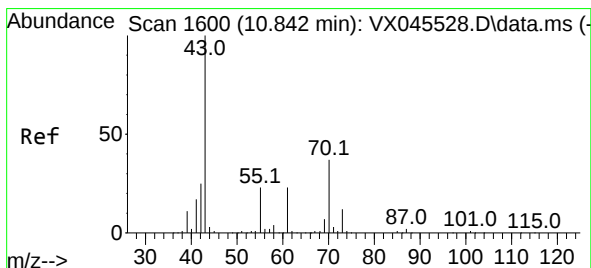
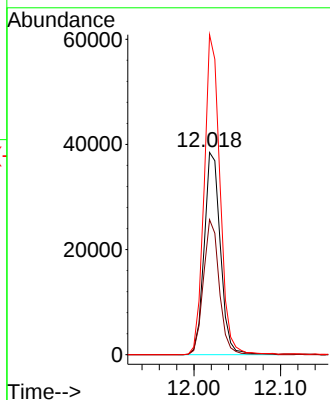
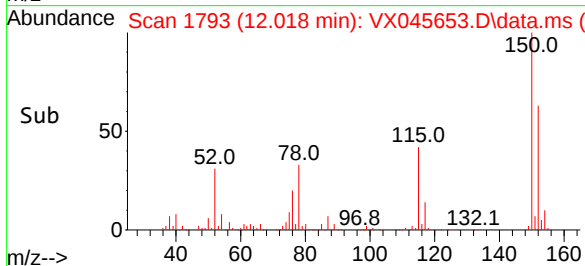


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

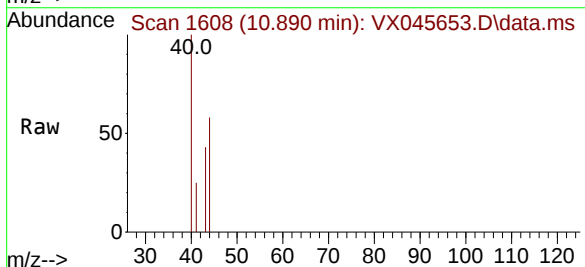
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11



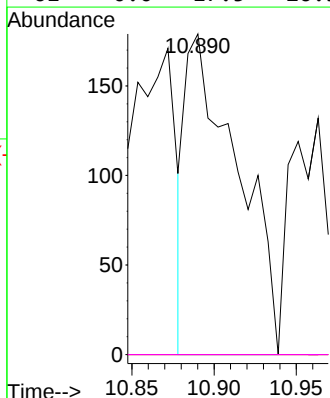
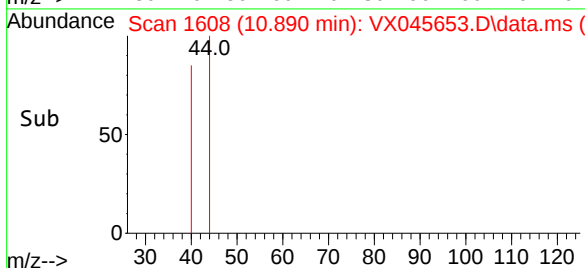
Tgt Ion:152 Resp: 50043
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 154.4 0.0 349.4

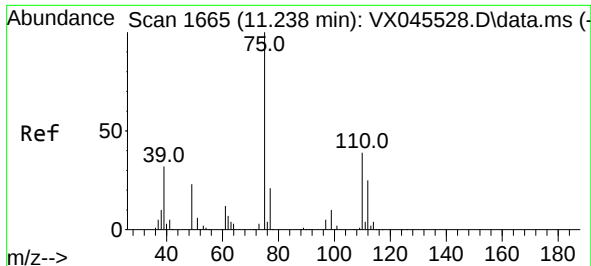


#74
N-ethyl acetate
Concen: 0.206 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.049 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34



Tgt Ion: 43 Resp: 395
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#

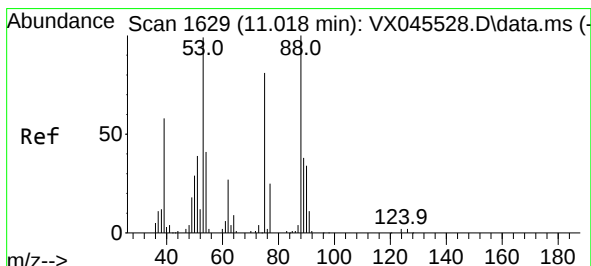
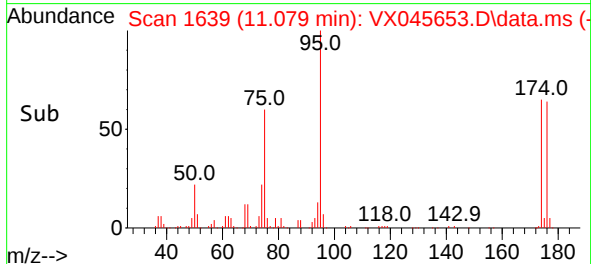
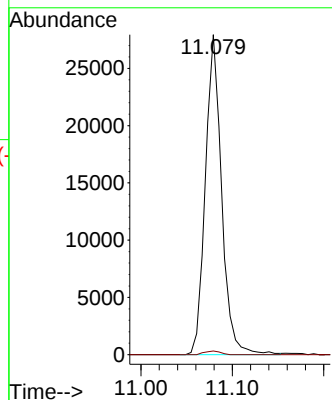
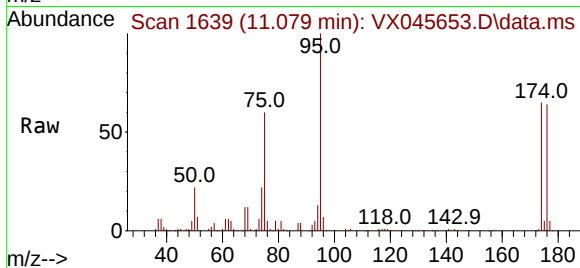




#76
1,2,3-Trichloropropane
Concen: 28.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE11

Tgt Ion: 75 Resp: 34479
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.864 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045653.D
Acq: 08 Apr 2025 15:34

Tgt Ion: 75 Resp: 34479
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

