

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045650.D
 Acq On : 08 Apr 2025 14:24
 Operator : JC/MD
 Sample : PB167492ZHE08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE08

Quant Time: Apr 09 01:38:56 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)

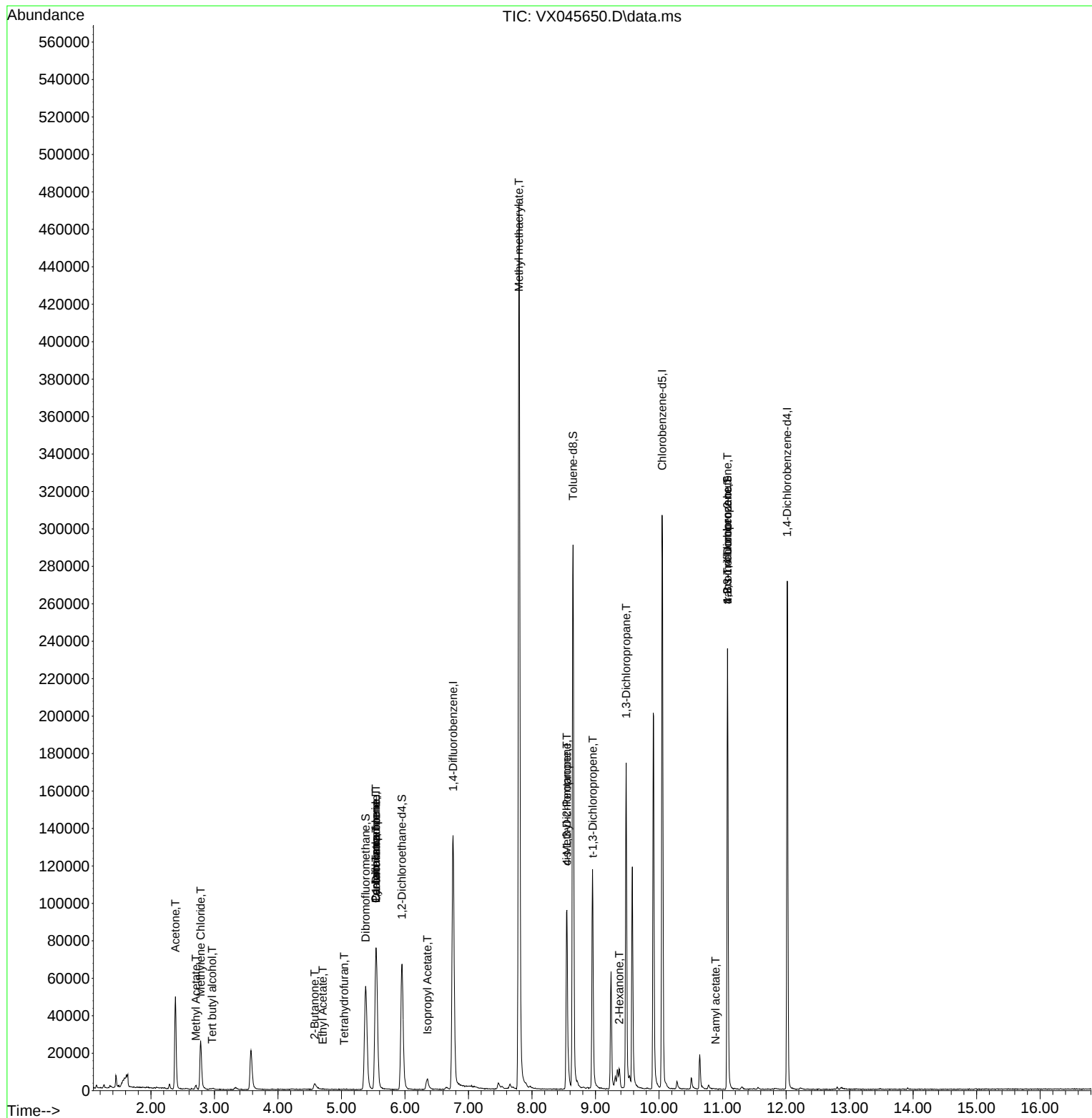
Internal Standards						
1) Pentafluorobenzene	5.544	168	65950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129308	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66410	55.064	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.120%			
35) Dibromofluoromethane	5.379	113	47578	51.859	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	8.647	98	167310	52.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	11.079	95	60636	51.985	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.980%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	729	4.498	ug/l #	72
16) Acetone	2.386	43	54741	110.534	ug/l	94
18) Methyl Acetate	2.709	43	2833	2.485	ug/l #	91
20) Methylene Chloride	2.782	84	11985	12.927	ug/l	96
25) 2-Butanone	4.574	43	7380	10.180	ug/l #	88
29) Tetrahydrofuran	5.044	42	96	0.204	ug/l #	65
31) Cyclohexane	5.544	56	1952	1.319	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	6444	5.202	ug/l #	50
37) Ethyl Acetate	4.702	43	366	0.234	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7559	5.646	ug/l #	16
43) Isopropyl Acetate	6.355	43	8580	3.626	ug/l	98
48) Methyl methacrylate	7.793	41	47632	38.991	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	40598	25.884	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	239	2.453	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14957	10.999	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1356	0.854	ug/l #	42
59) 2-Hexanone	9.372	43	7344	6.323	ug/l #	28
74) N-amyl acetate	10.890	43	390	0.207	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	35581	29.632	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35581	100.567	ug/l #	1

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

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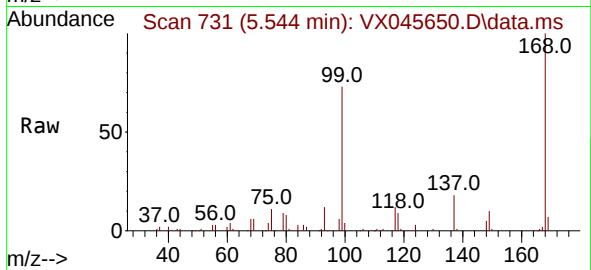
Quant Time: Apr 09 01:38:56 2025
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QLast Update : Wed Apr 02 03:11:43 2025
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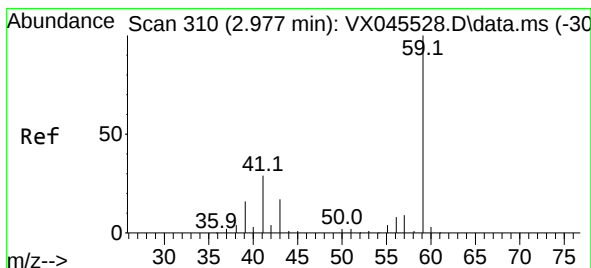
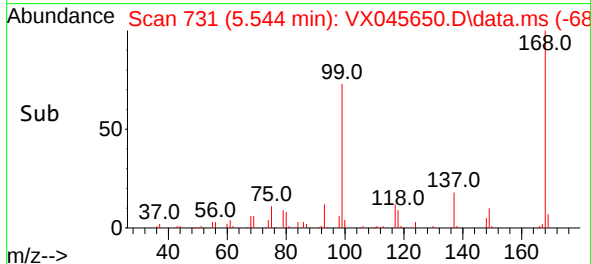
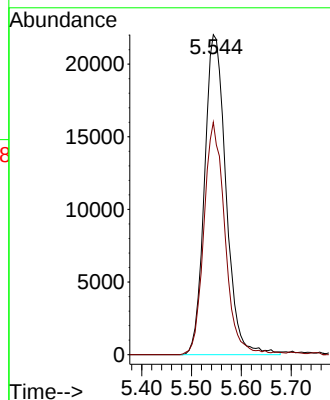


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

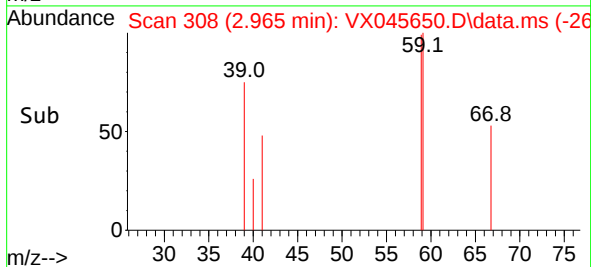
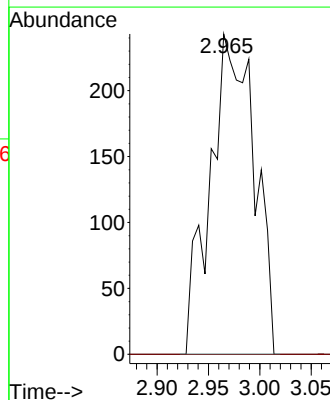
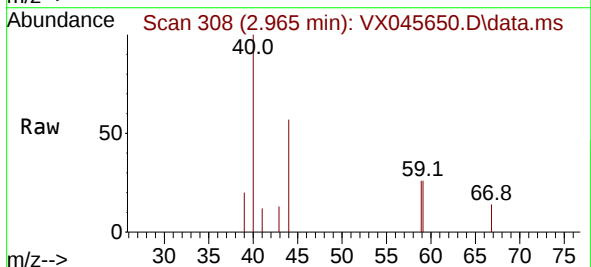


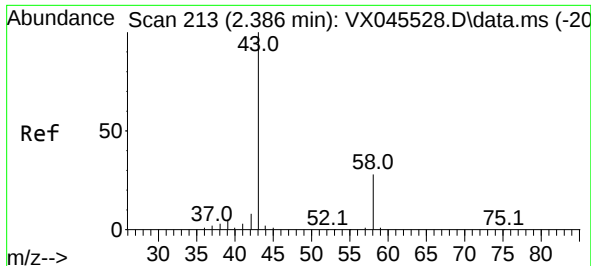
Tgt Ion:168 Resp: 65950
Ion Ratio Lower Upper
168 100
99 72.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 4.498 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion: 59 Resp: 729
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

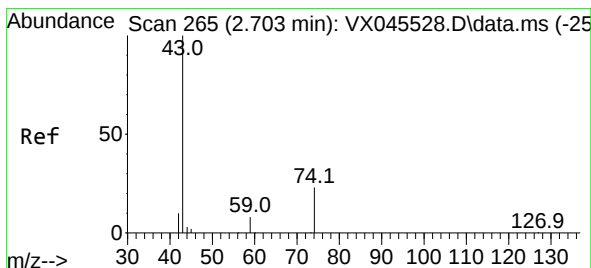
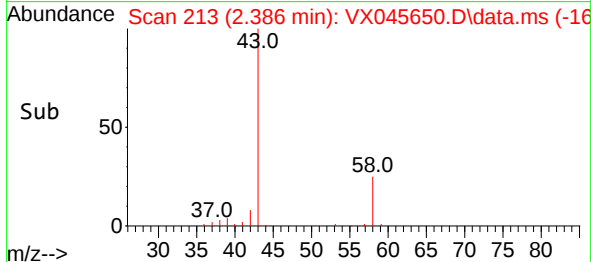
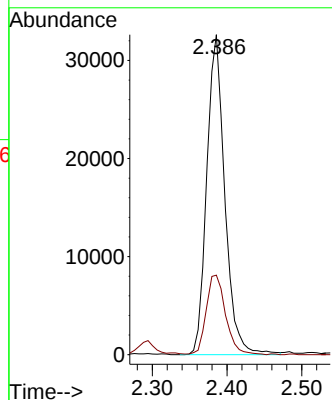
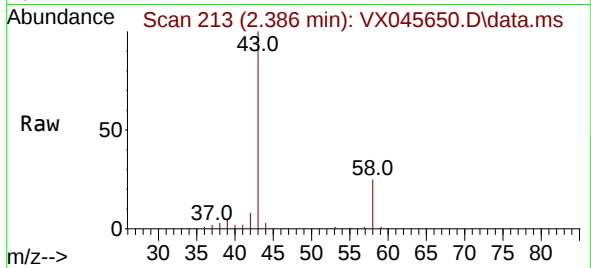




#16
Acetone
Concen: 110.534 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

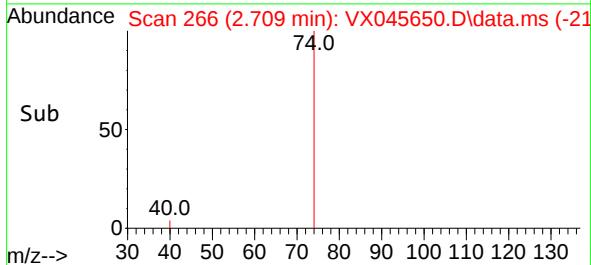
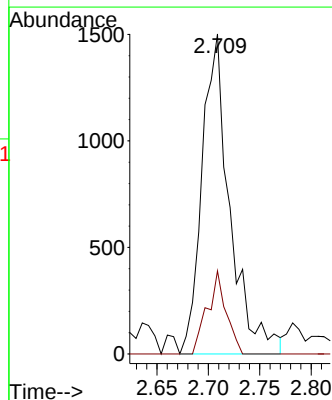
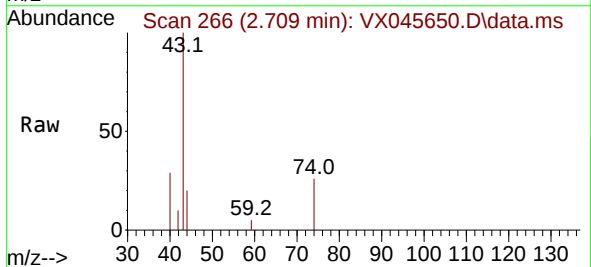
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

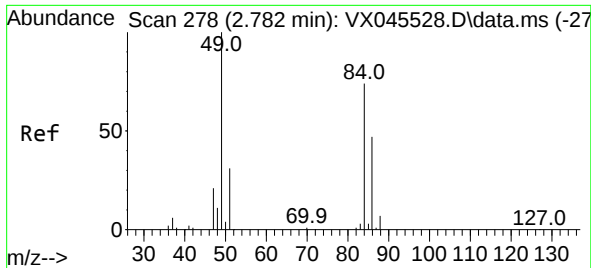
Tgt Ion: 43 Resp: 54741
Ion Ratio Lower Upper
43 100
58 24.8 22.3 33.5



#18
Methyl Acetate
Concen: 2.485 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion: 43 Resp: 2833
Ion Ratio Lower Upper
43 100
74 17.5 17.5 26.3#

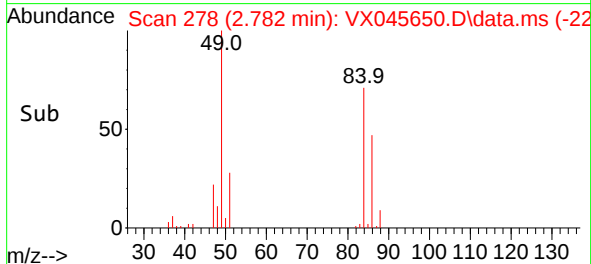
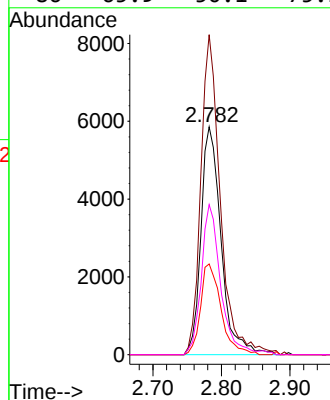
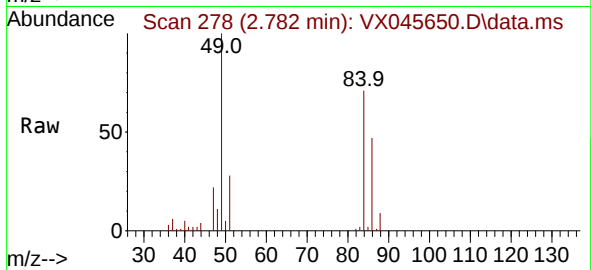




#20
Methylene Chloride
Concen: 12.927 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

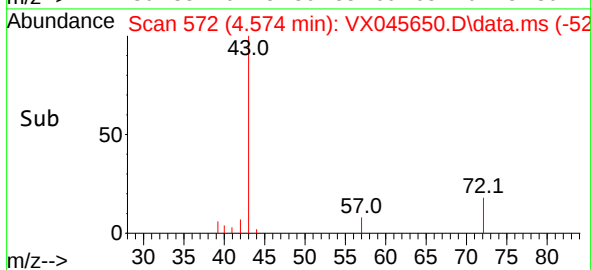
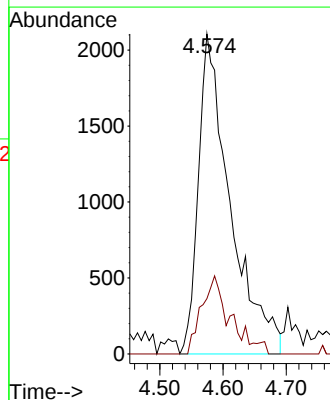
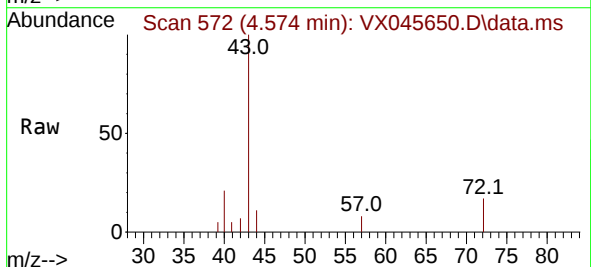
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

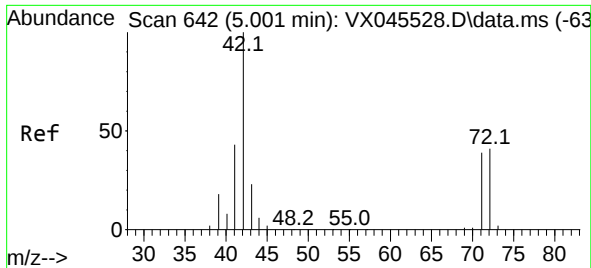
Tgt Ion:	84	Resp:	11985
Ion	Ratio	Lower	Upper
84	100		
49	140.4	107.5	161.3
51	39.8	33.0	49.6
86	65.9	50.1	75.1



#25
2-Butanone
Concen: 10.180 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion:	43	Resp:	7380
Ion	Ratio	Lower	Upper
43	100		
72	17.3	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.204 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045650.D

Acq: 08 Apr 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE08

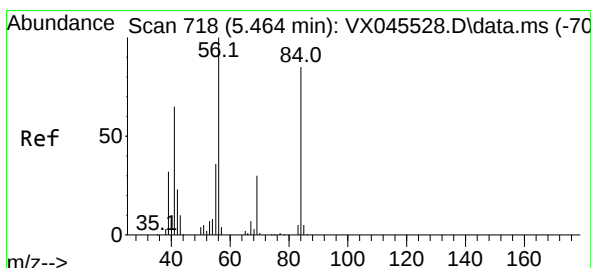
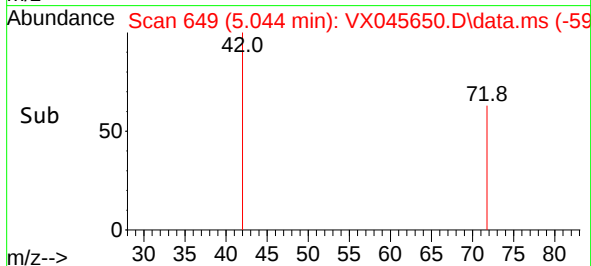
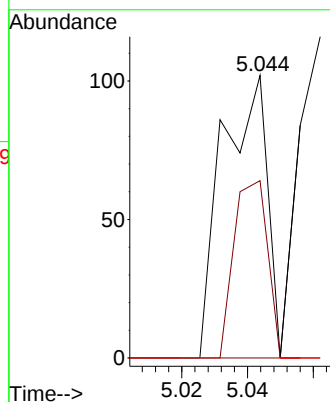
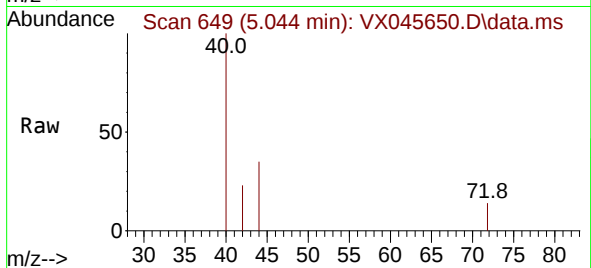
Tgt Ion: 42 Resp: 96

Ion Ratio Lower Upper

42 100

72 46.9 33.4 50.0

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.319 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045650.D

Acq: 08 Apr 2025 14:24

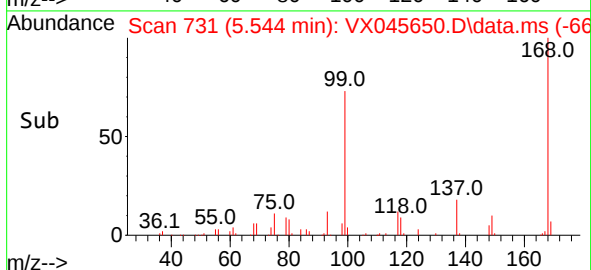
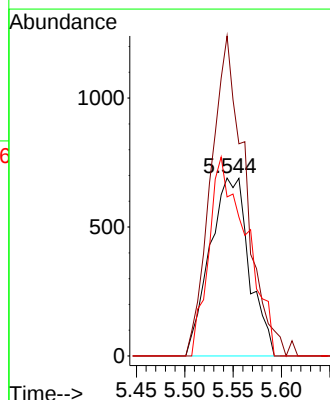
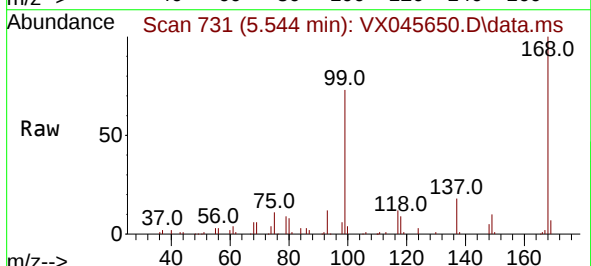
Tgt Ion: 56 Resp: 1952

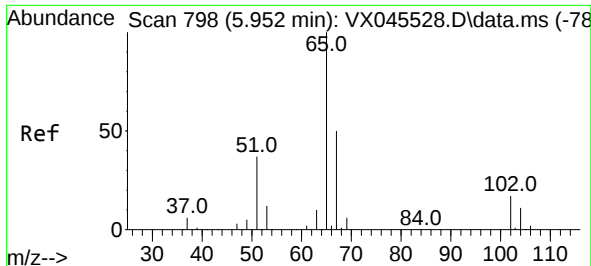
Ion Ratio Lower Upper

56 100

69 179.9 23.6 35.4#

84 89.4 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.064 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045650.D

Acq: 08 Apr 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

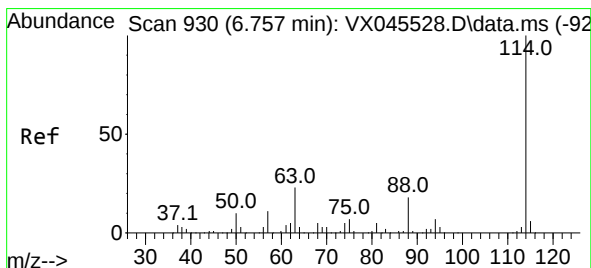
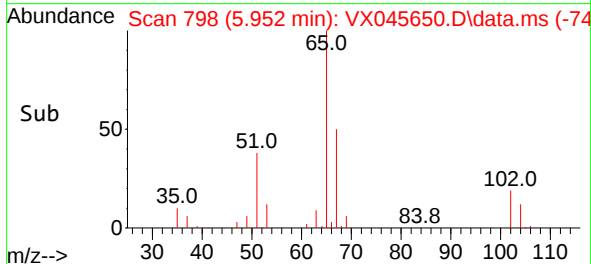
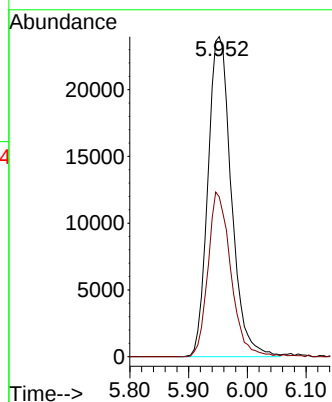
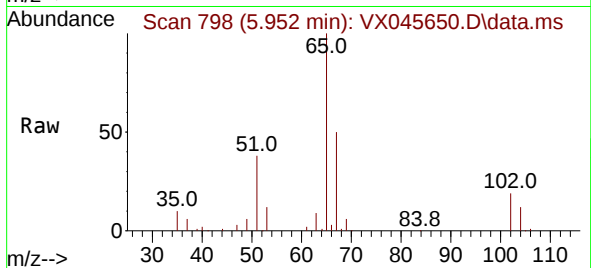
PB167492ZHE08

Tgt Ion: 65 Resp: 66410

Ion Ratio Lower Upper

65 100

67 50.4 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: VX045650.D

Acq: 08 Apr 2025 14:24

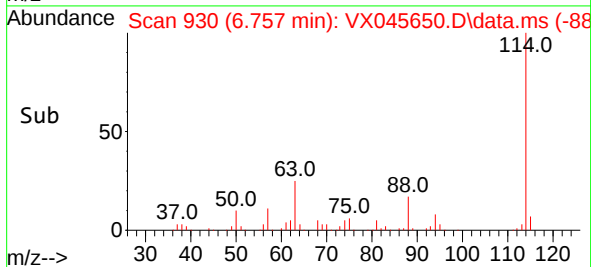
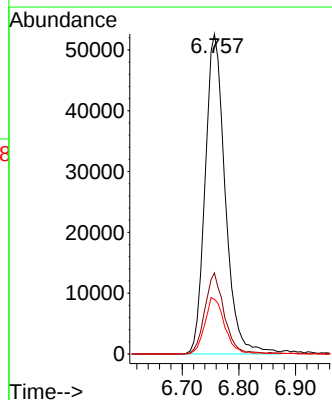
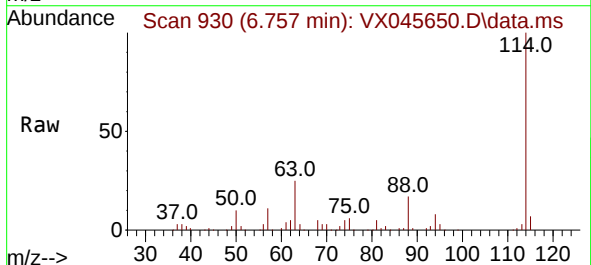
Tgt Ion: 114 Resp: 129308

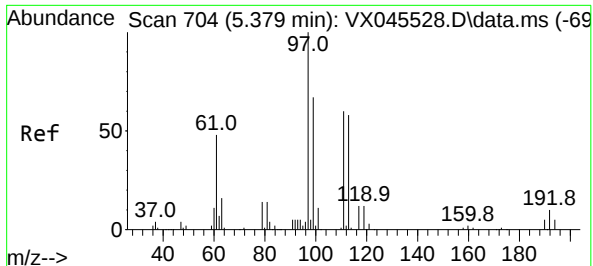
Ion Ratio Lower Upper

114 100

63 25.3 0.0 46.8

88 17.1 0.0 35.4

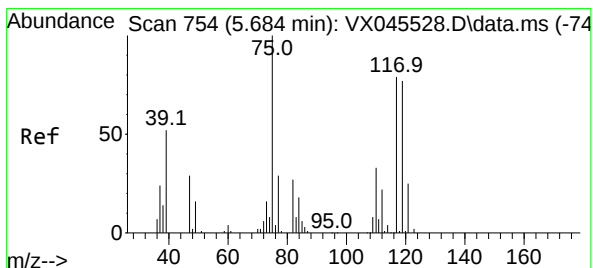
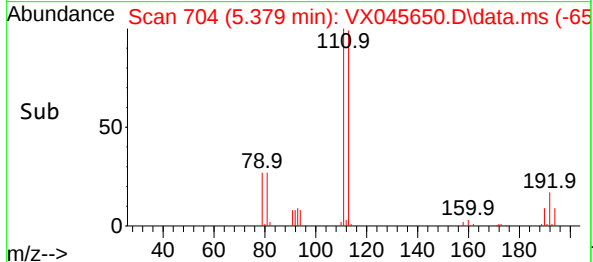
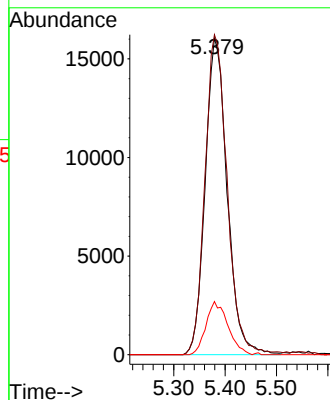
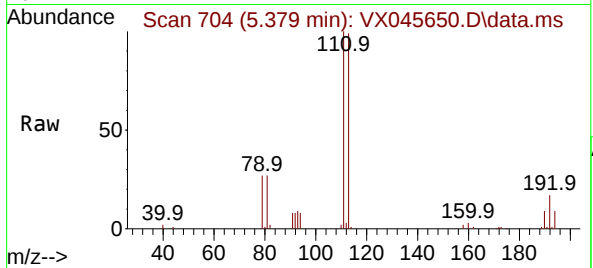




#35
Dibromofluoromethane
Concen: 51.859 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

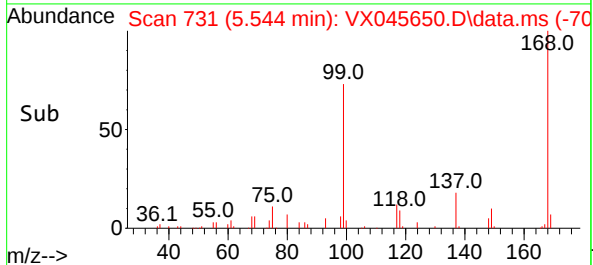
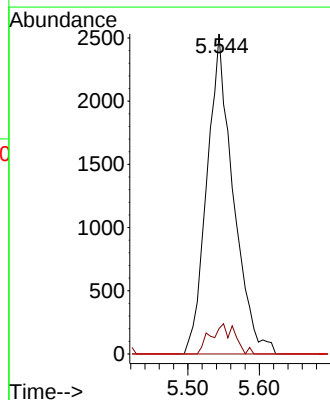
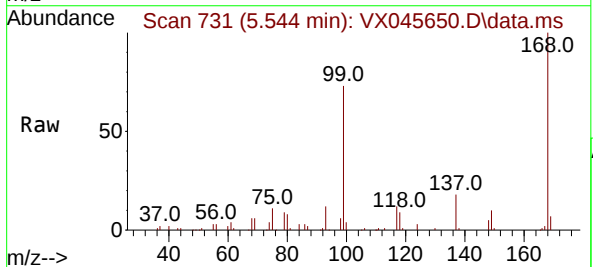
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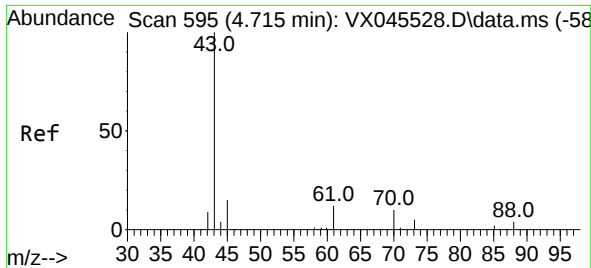
Tgt Ion:113 Resp: 47578
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.7 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion: 75 Resp: 6444
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.234 ug/l

RT: 4.702 min Scan# 593

Delta R.T. -0.012 min

Lab File: VX045650.D

Acq: 08 Apr 2025 14:24

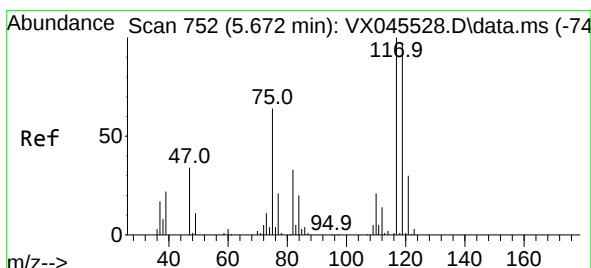
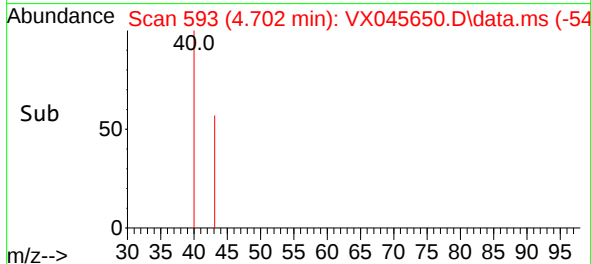
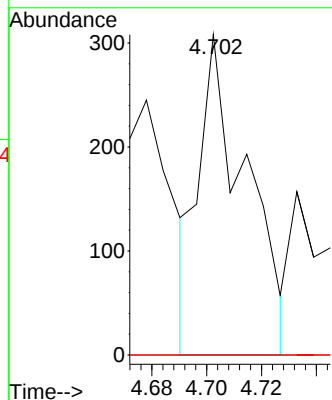
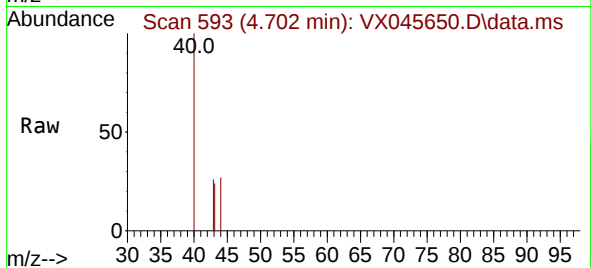
Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE08

Tgt Ion: 43	Resp:	366
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.9 14.9#
70	0.0	7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.646 ug/l

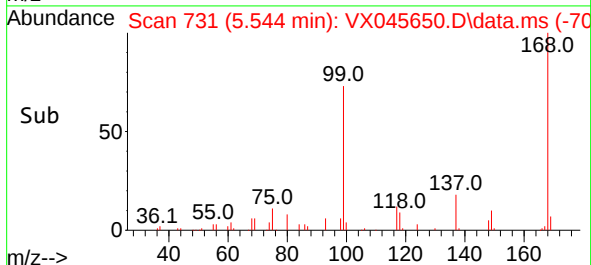
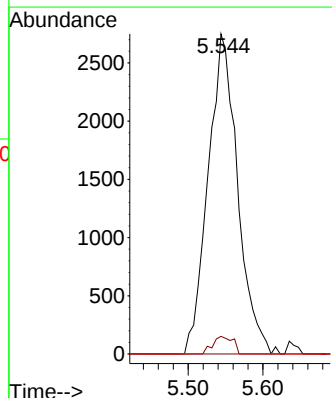
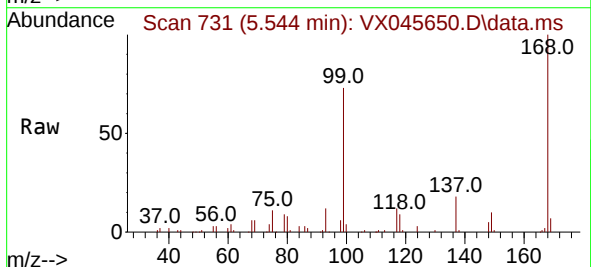
RT: 5.544 min Scan# 731

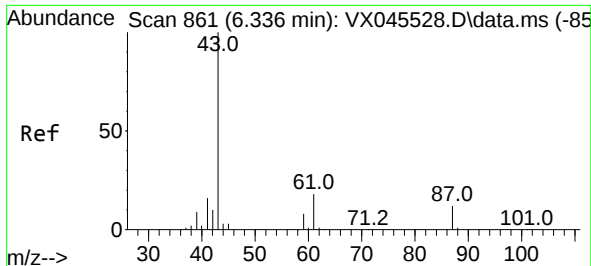
Delta R.T. -0.128 min

Lab File: VX045650.D

Acq: 08 Apr 2025 14:24

Tgt Ion: 117	Resp:	7559
Ion	Ratio	Lower Upper
117	100	
119	5.5	76.9 115.3#
121	0.0	24.2 36.2#

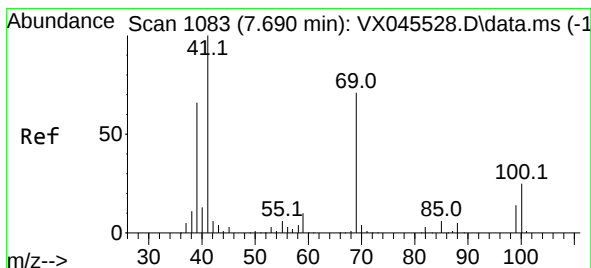
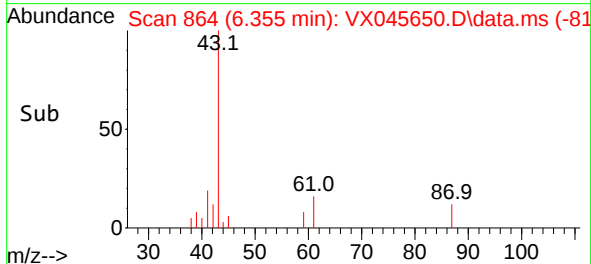
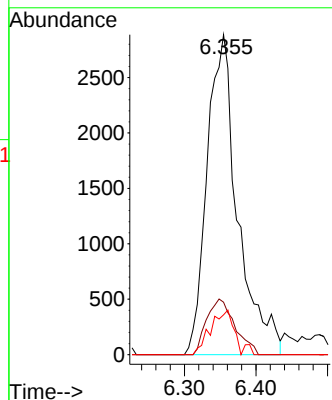
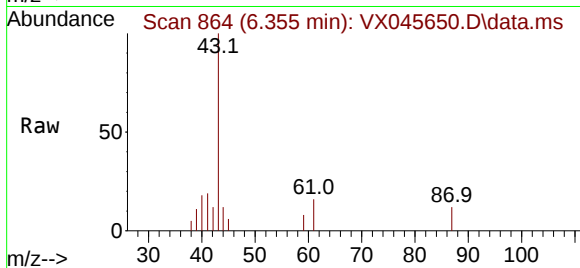




#43
Isopropyl Acetate
Concen: 3.626 ug/l
RT: 6.355 min Scan# 80
Delta R.T. 0.018 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

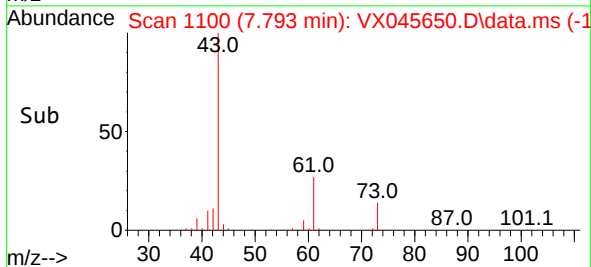
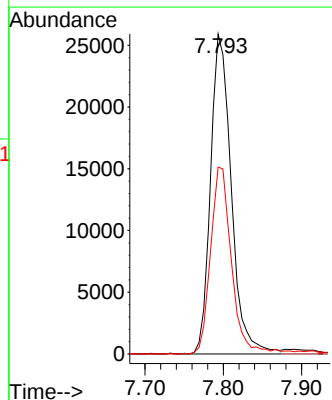
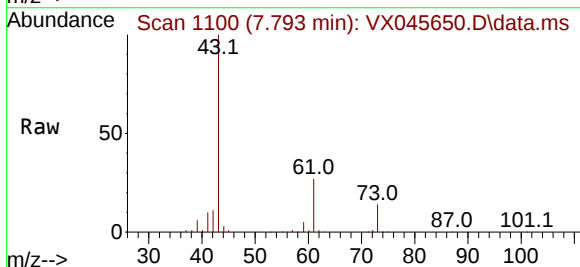
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

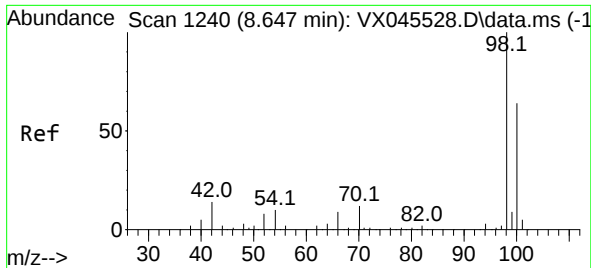
Tgt Ion: 43 Resp: 8580
Ion Ratio Lower Upper
43 100
61 16.1 14.1 21.1
87 11.1 9.2 13.8



#48
Methyl methacrylate
Concen: 38.991 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion: 41 Resp: 47632
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.2 53.6 80.4

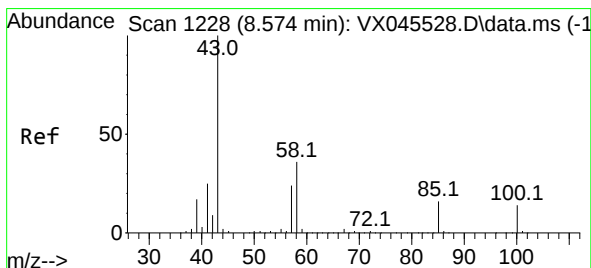
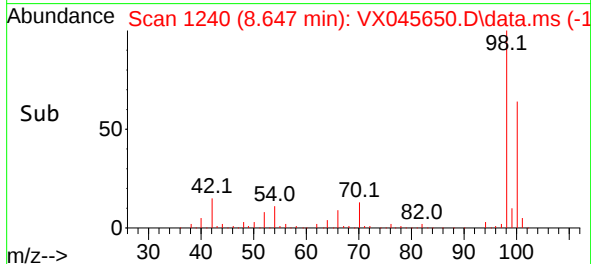
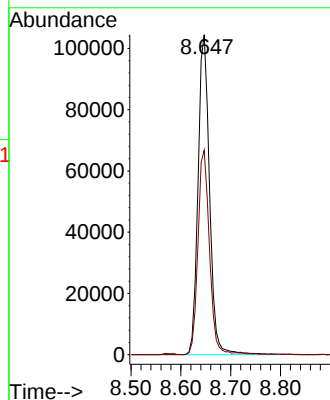
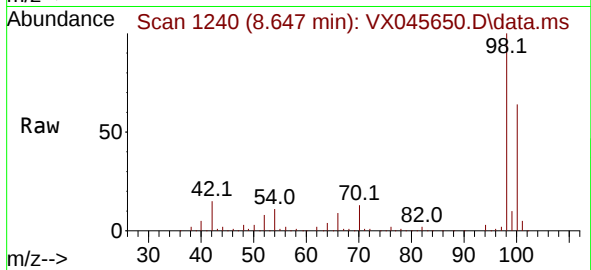




#50
Toluene-d8
Concen: 52.248 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

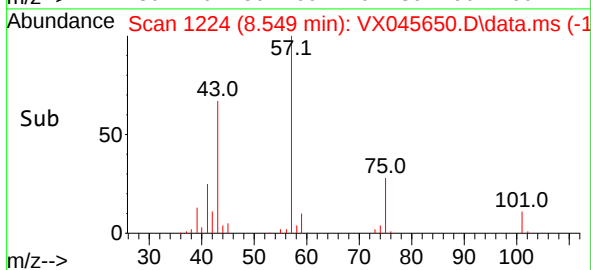
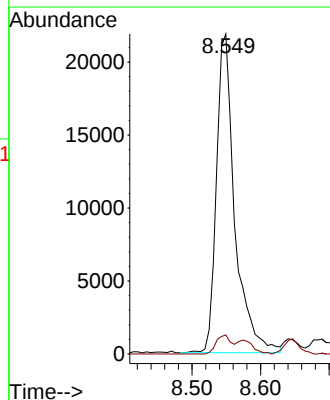
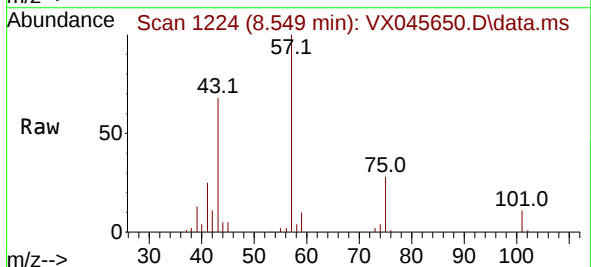
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

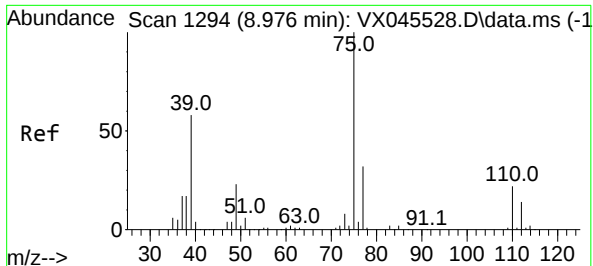
Tgt Ion: 98 Resp: 167310
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.884 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion: 43 Resp: 40598
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#

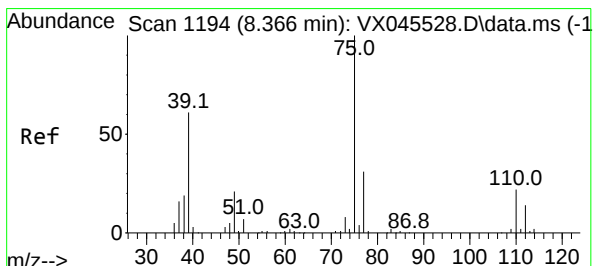
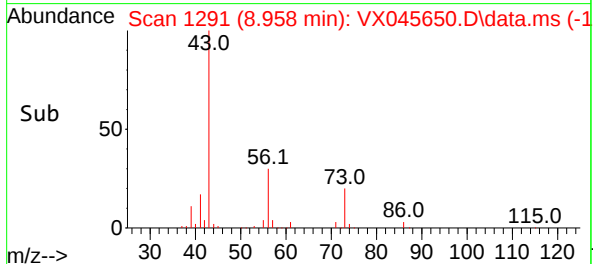
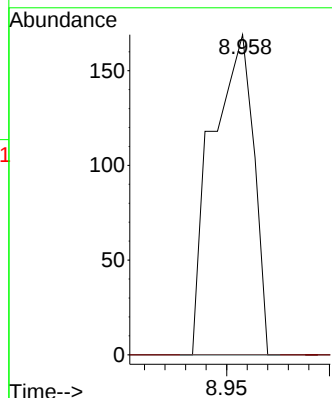
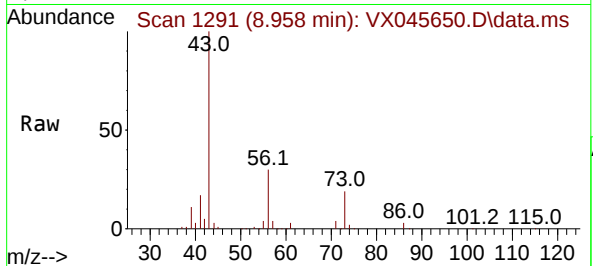




#53
 t-1,3-Dichloropropene
 Concen: 2.453 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX045650.D
 Acq: 08 Apr 2025 14:24

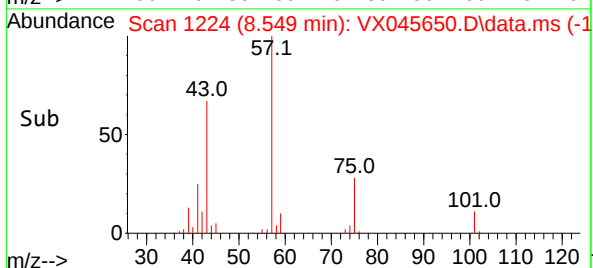
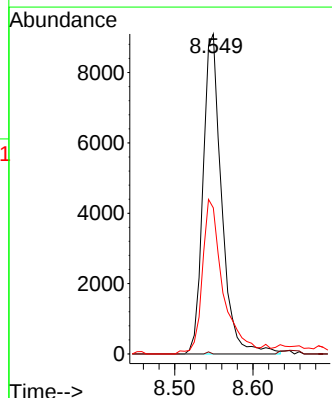
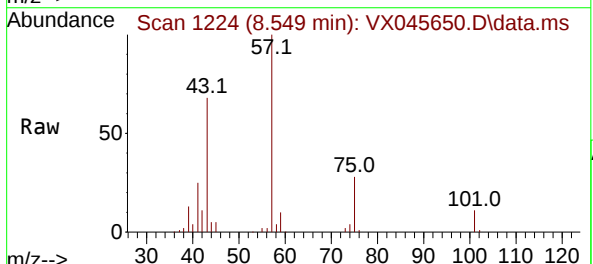
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE08

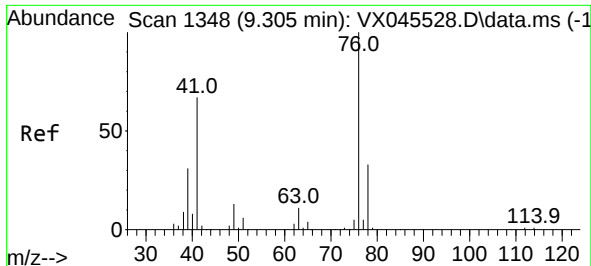
Tgt Ion: 75 Resp: 239
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.999 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045650.D
 Acq: 08 Apr 2025 14:24

Tgt Ion: 75 Resp: 14957
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.7 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.854 ug/l

RT: 9.482 min Scan# 1356

Delta R.T. 0.177 min

Lab File: VX045650.D

Acq: 08 Apr 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

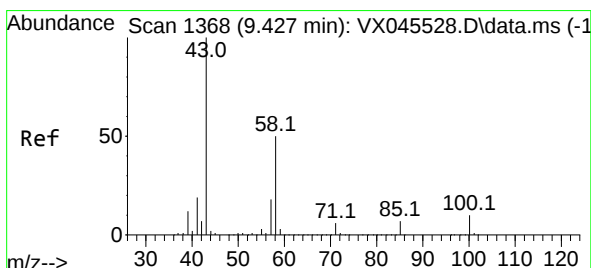
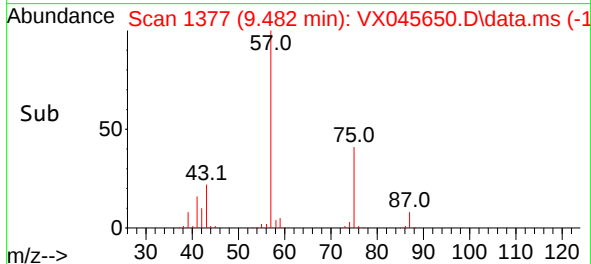
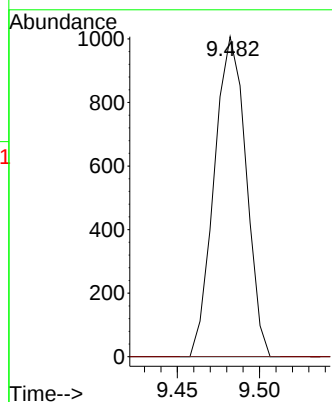
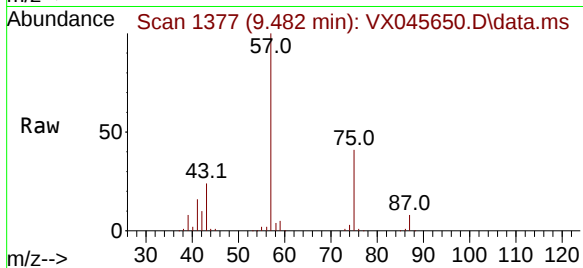
PB167492ZHE08

Tgt Ion: 76 Resp: 1356

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 6.323 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045650.D

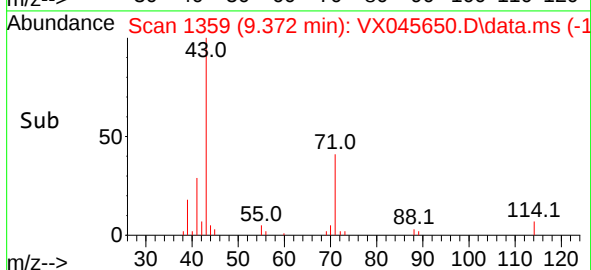
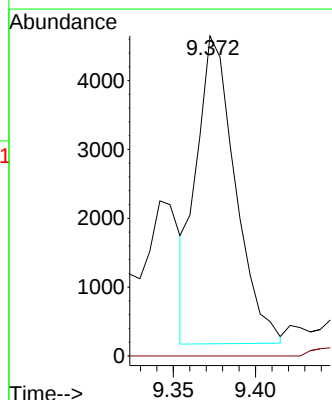
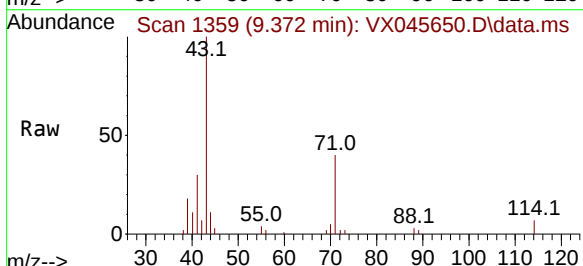
Acq: 08 Apr 2025 14:24

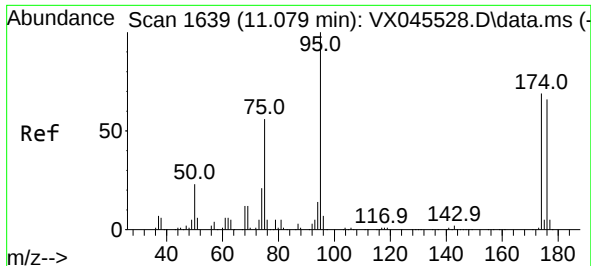
Tgt Ion: 43 Resp: 7344

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

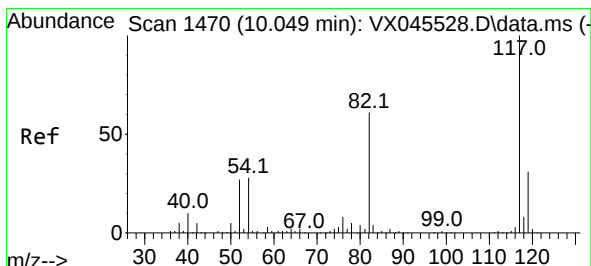
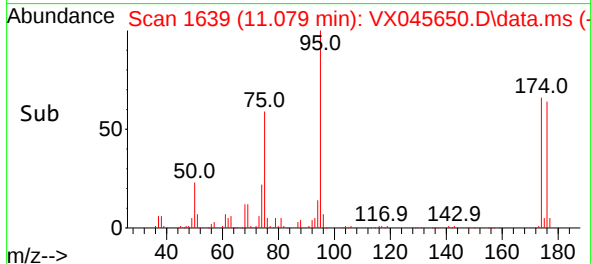
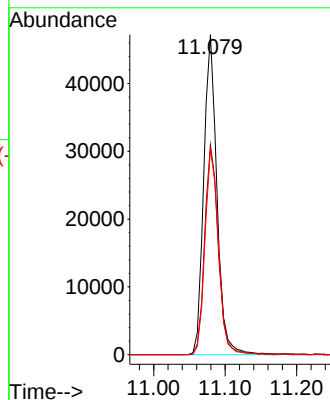
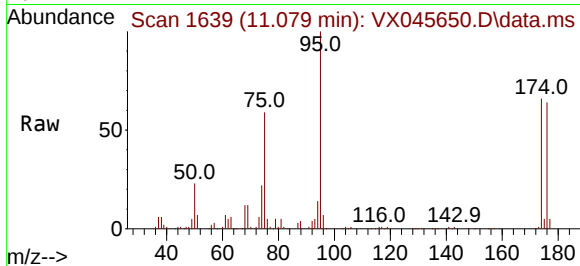




#62
4-Bromofluorobenzene
Concen: 51.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

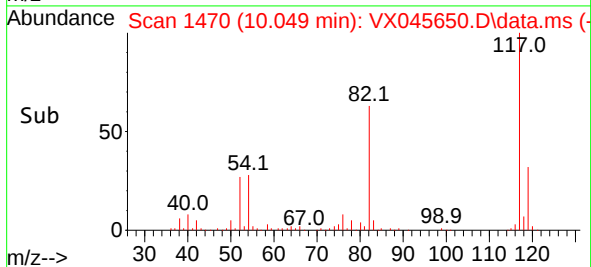
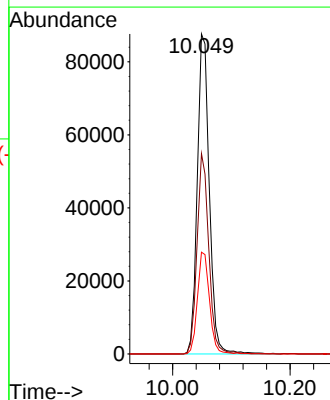
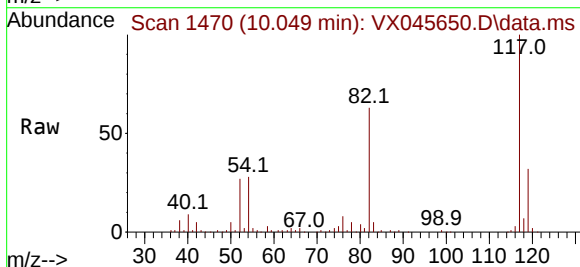
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

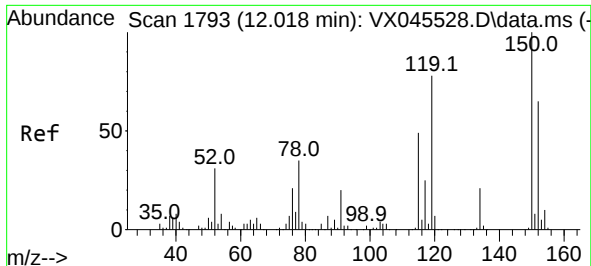
Tgt Ion: 95 Resp: 60636
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 65.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

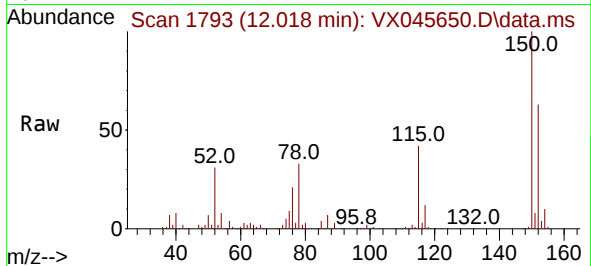
Tgt Ion: 117 Resp: 124565
Ion Ratio Lower Upper
117 100
82 62.6 49.2 73.8
119 31.8 25.1 37.7



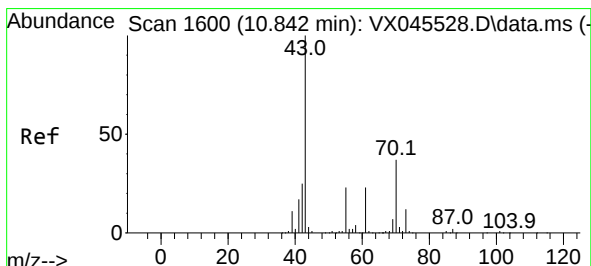
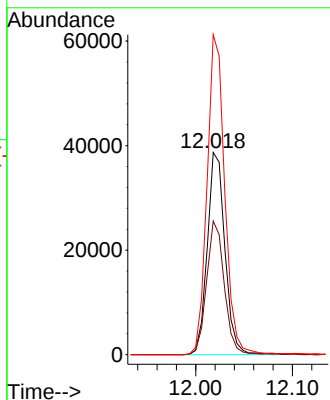
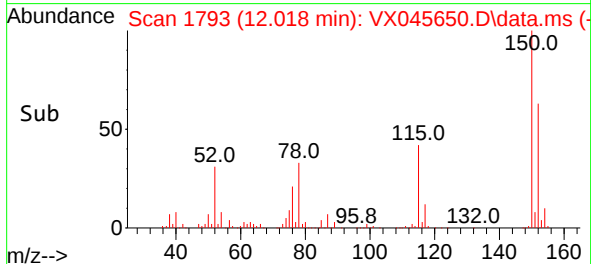


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045650.D
 Acq: 08 Apr 2025 14:24

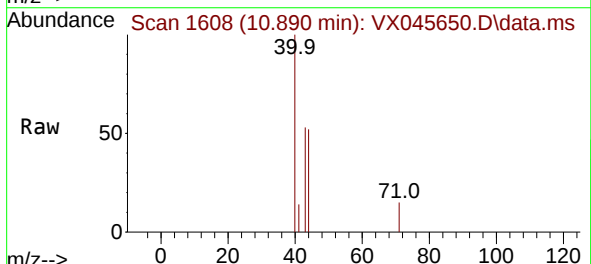
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE08



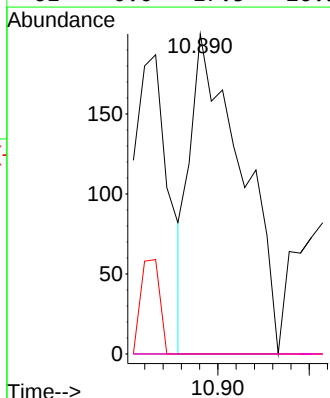
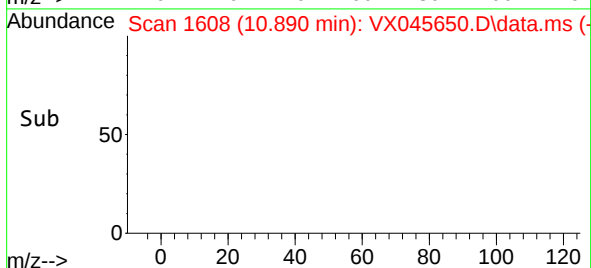
Tgt Ion:152 Resp: 49227
 Ion Ratio Lower Upper
 152 100
 115 66.4 46.9 140.7
 150 158.5 0.0 349.4

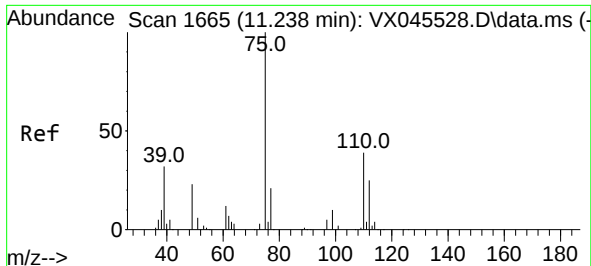


#74
 N-ethyl acetate
 Concen: 0.207 ug/l
 RT: 10.890 min Scan# 1608
 Delta R.T. 0.049 min
 Lab File: VX045650.D
 Acq: 08 Apr 2025 14:24



Tgt Ion: 43 Resp: 390
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 0.0 18.3 27.5#
 61 0.0 17.5 26.3#

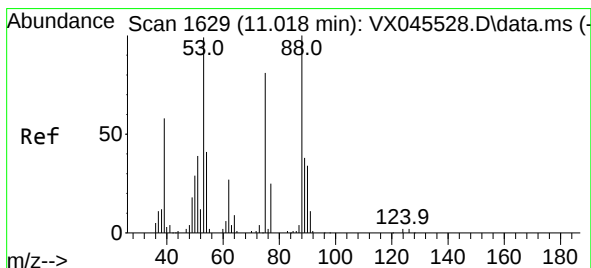
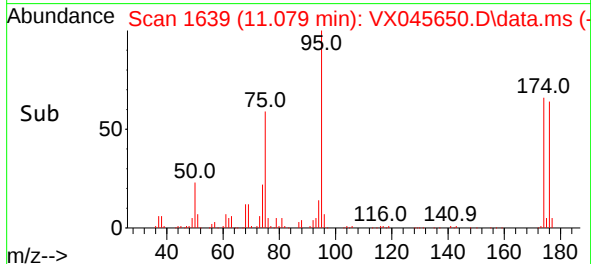
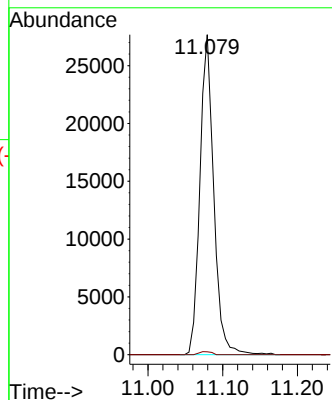
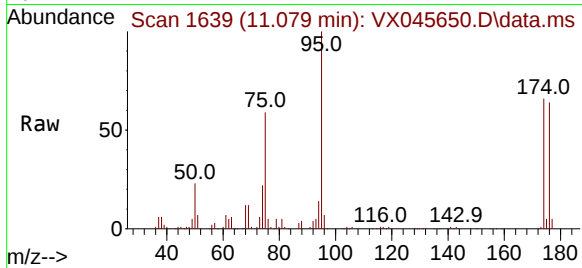




#76
1,2,3-Trichloropropane
Concen: 29.632 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE08

Tgt Ion: 75 Resp: 35581
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.567 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045650.D
Acq: 08 Apr 2025 14:24

Tgt Ion: 75 Resp: 35581
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

