

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045649.D
 Acq On : 08 Apr 2025 14:01
 Operator : JC/MD
 Sample : PB167492ZHE07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE07

Quant Time: Apr 09 01:38:28 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	61809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	121796	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62608	55.389	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.780%			
35) Dibromofluoromethane	5.379	113	45112	52.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.400%			
50) Toluene-d8	8.647	98	158851	52.666	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.340%			
62) 4-Bromofluorobenzene	11.079	95	58270	53.038	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.080%			
Target Compounds						Qvalue
6) Chloroethane	1.618	64	99	0.215	ug/l #	42
11) Tert butyl alcohol	2.977	59	748	4.924	ug/l #	72
14) Allyl chloride	2.642	41	393	0.279	ug/l #	40
16) Acetone	2.386	43	52804	113.767	ug/l	99
18) Methyl Acetate	2.703	43	2457	2.299	ug/l	96
20) Methylene Chloride	2.782	84	11510	13.246	ug/l	98
25) 2-Butanone	4.581	43	6637	9.769	ug/l #	89
29) Tetrahydrofuran	5.044	42	148	0.336	ug/l #	35
31) Cyclohexane	5.544	56	1796	1.295	ug/l #	11
36) 1,1-Dichloropropene	5.544	75	6275	5.378	ug/l #	50
37) Ethyl Acetate	4.581	43	6637	4.514	ug/l #	71
38) Carbon Tetrachloride	5.538	117	7435	5.896	ug/l #	16
43) Isopropyl Acetate	6.349	43	8517	3.822	ug/l	96
48) Methyl methacrylate	7.793	41	46048	40.020	ug/l #	50
49) 1,4-Dioxane	7.800	88	24	1.153	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	39127	26.485	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	191	2.428	ug/l #	43
54) cis-1,3-Dichloropropene	8.543	75	14020	10.946	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	1373	0.918	ug/l #	42
59) 2-Hexanone	9.372	43	6430	5.877	ug/l #	28
74) N-amyl acetate	10.781	43	1426	0.802	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	34176	30.192	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34176	102.468	ug/l #	1

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

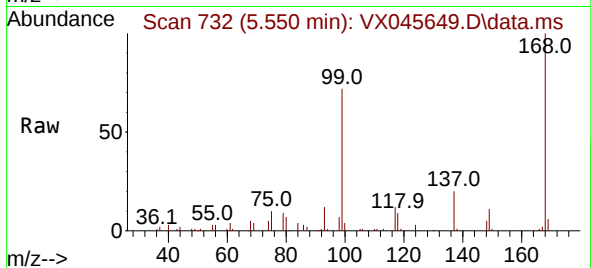
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



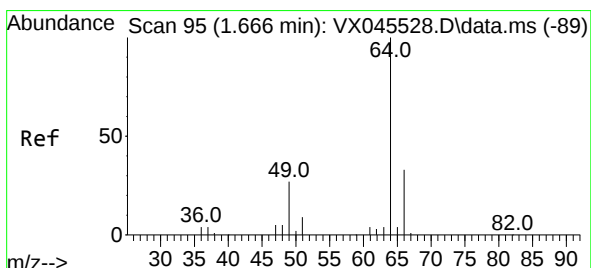
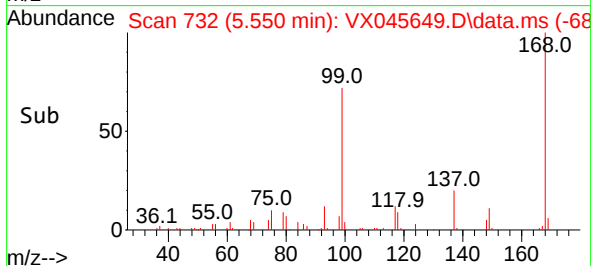
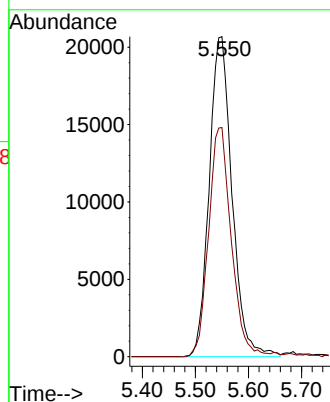


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

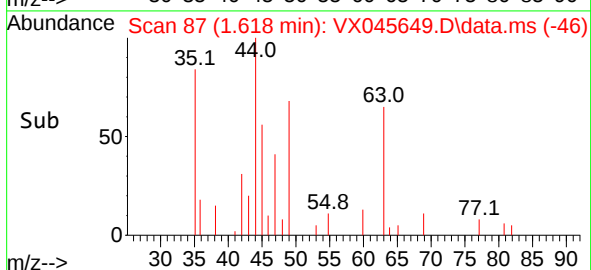
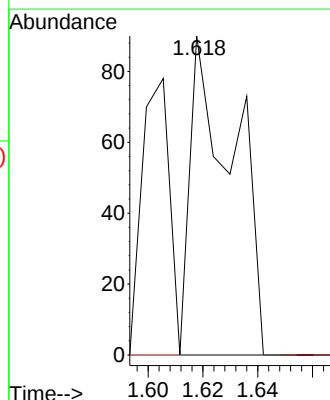
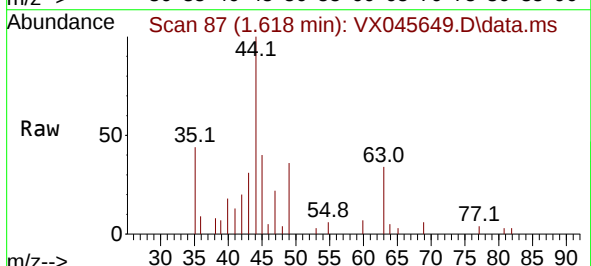


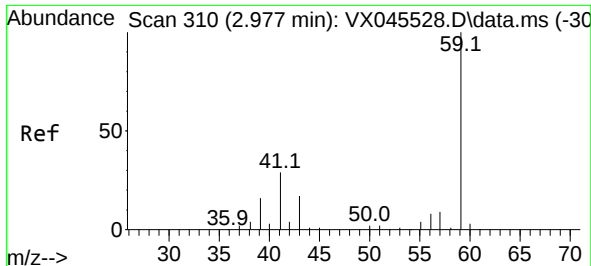
Tgt Ion:168 Resp: 61809
Ion Ratio Lower Upper
168 100
99 71.6 52.3 78.5



#6
Chloroethane
Concen: 0.215 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.049 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion: 64 Resp: 99
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5





#11

Tert butyl alcohol

Concen: 4.924 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

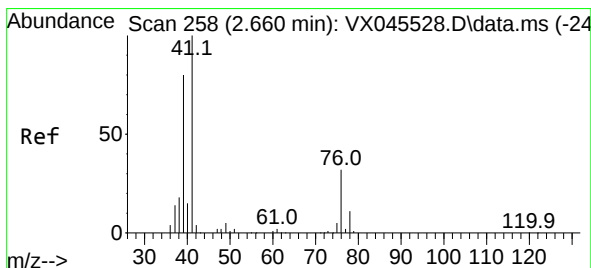
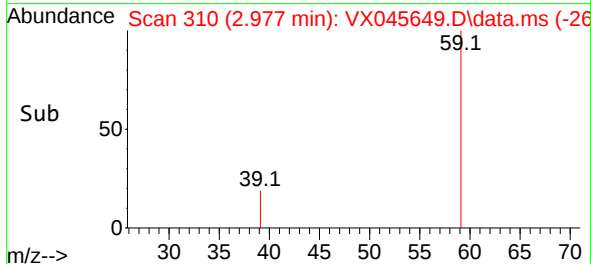
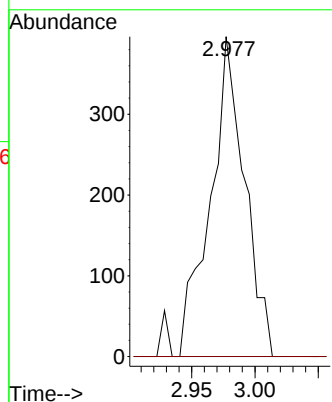
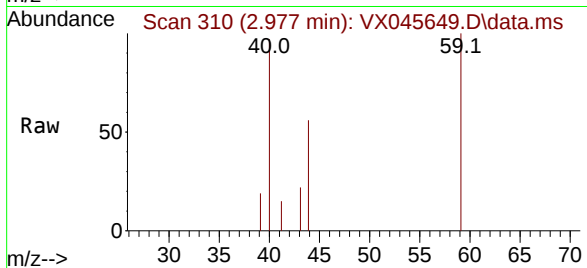
PB167492ZHE07

Tgt Ion: 59 Resp: 748

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#14

Allyl chloride

Concen: 0.279 ug/l

RT: 2.642 min Scan# 255

Delta R.T. -0.018 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

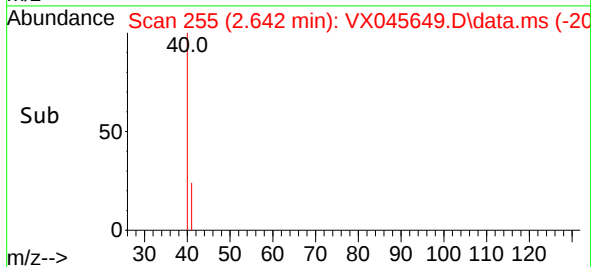
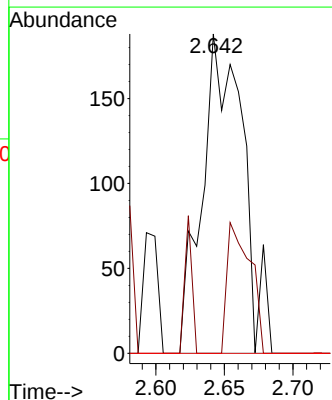
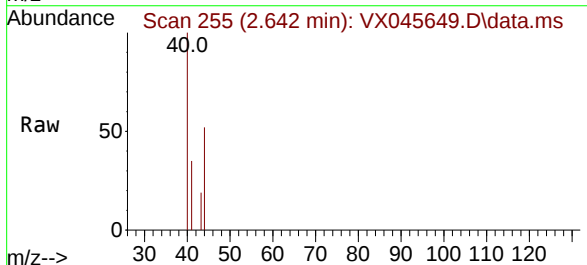
Tgt Ion: 41 Resp: 393

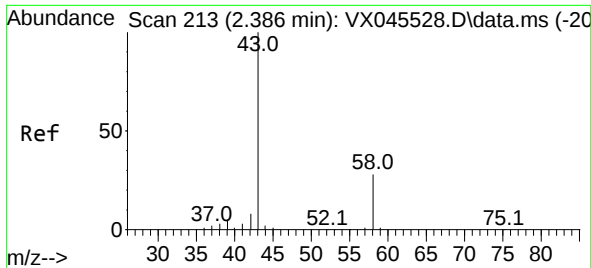
Ion Ratio Lower Upper

41 100

39 23.2 60.2 90.2#

76 0.0 24.6 36.8#

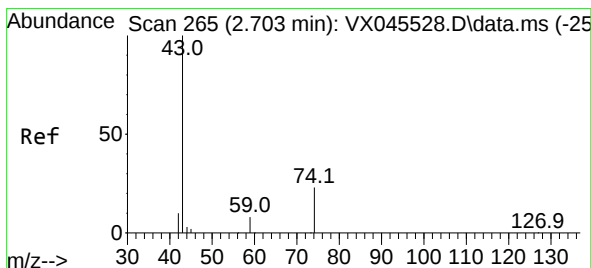
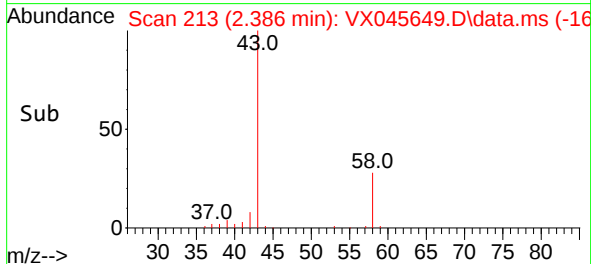
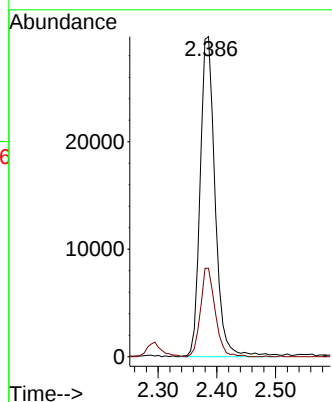
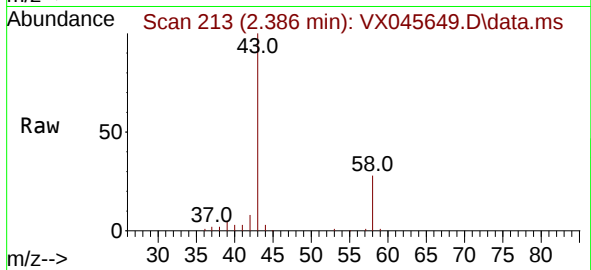




#16
Acetone
Concen: 113.767 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

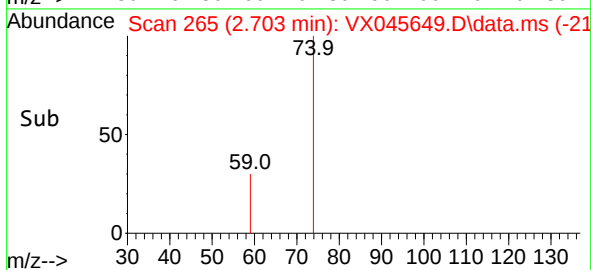
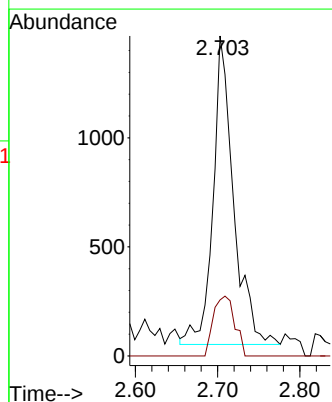
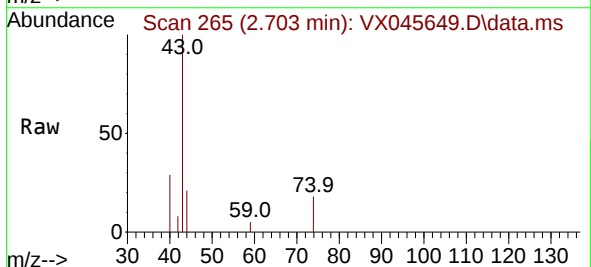
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

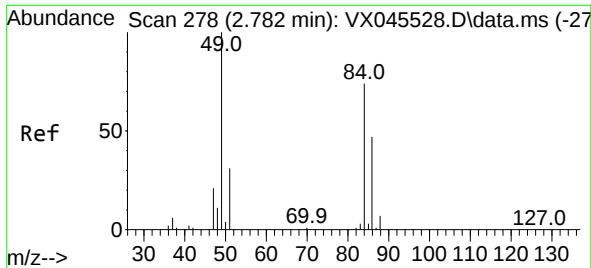
Tgt Ion: 43 Resp: 52804
Ion Ratio Lower Upper
43 100
58 27.4 22.3 33.5



#18
Methyl Acetate
Concen: 2.299 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion: 43 Resp: 2457
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3

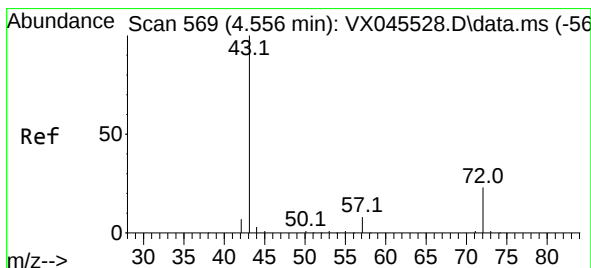
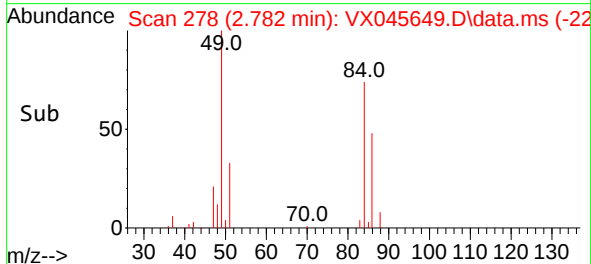
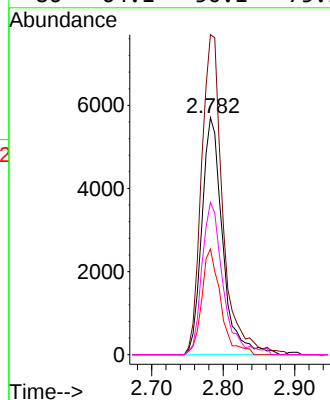
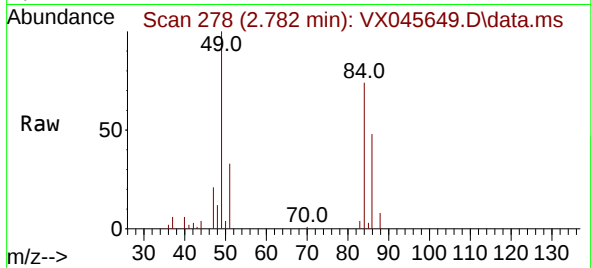




#20
Methylene Chloride
Concen: 13.246 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

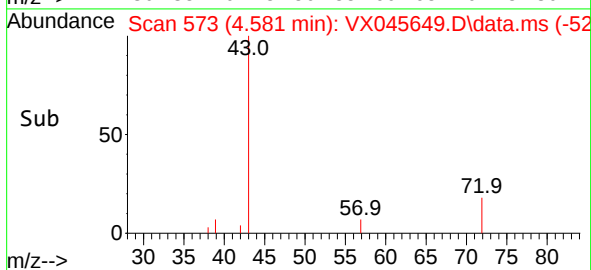
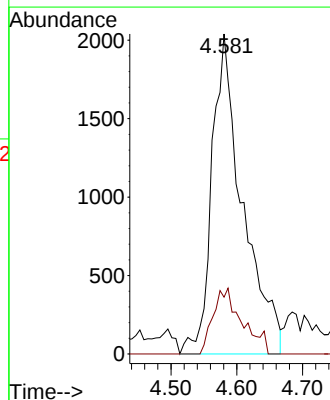
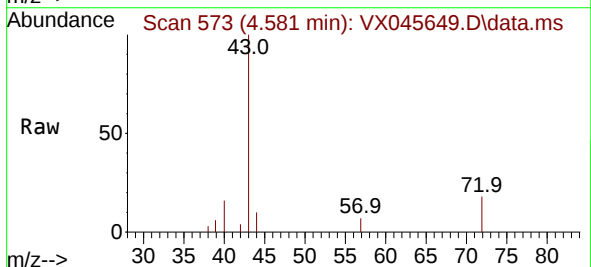
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

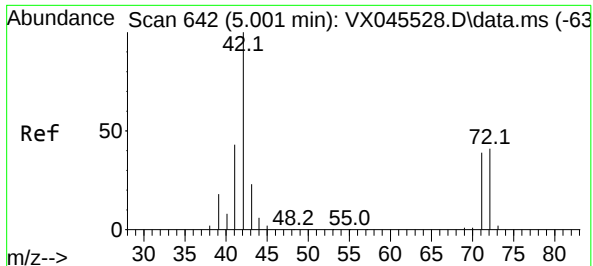
Tgt Ion:	84	Resp:	11510
Ion	Ratio	Lower	Upper
84	100		
49	134.9	107.5	161.3
51	44.6	33.0	49.6
86	64.1	50.1	75.1



#25
2-Butanone
Concen: 9.769 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.025 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion:	43	Resp:	6637
Ion	Ratio	Lower	Upper
43	100		
72	17.7	18.6	28.0#





#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 5.044 min Scan# 642

Delta R.T. 0.043 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE07

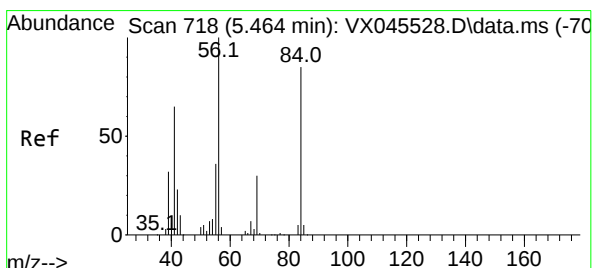
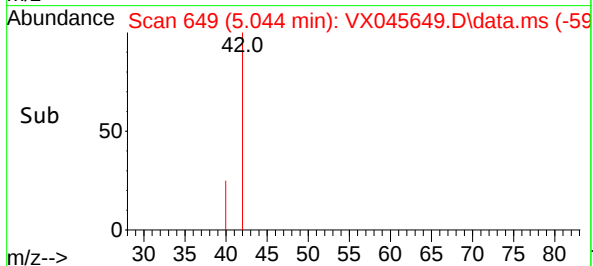
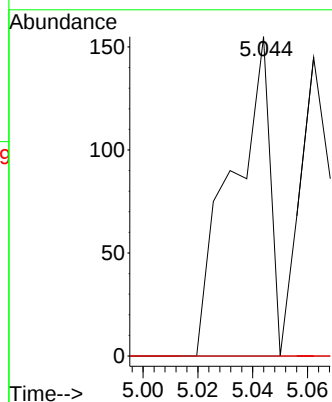
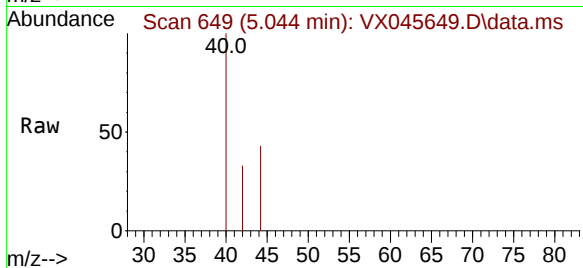
Tgt Ion: 42 Resp: 148

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.295 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

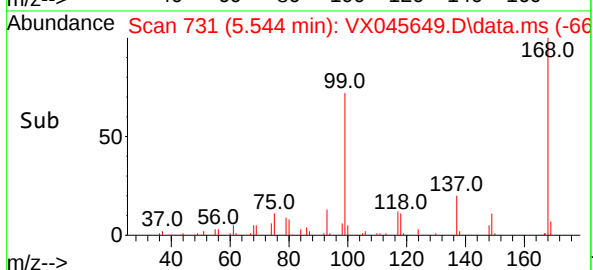
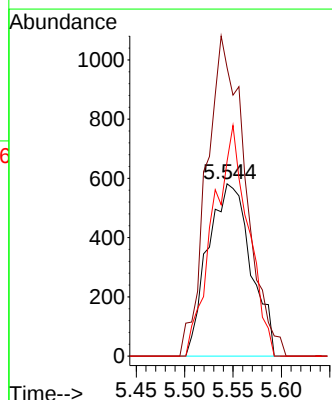
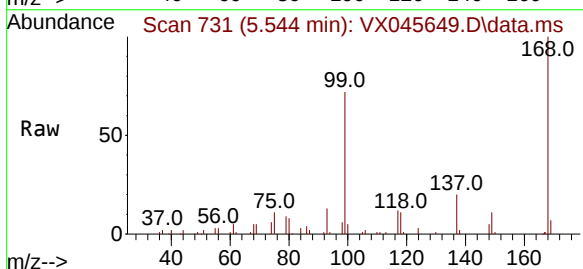
Tgt Ion: 56 Resp: 1796

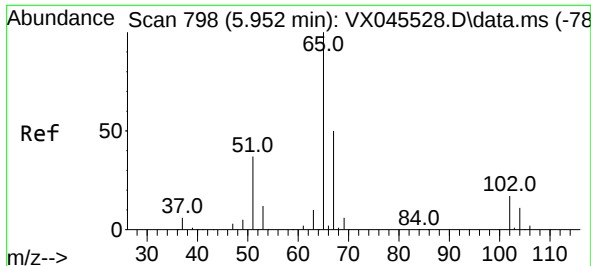
Ion Ratio Lower Upper

56 100

69 167.4 23.6 35.4#

84 113.1 67.7 101.5#

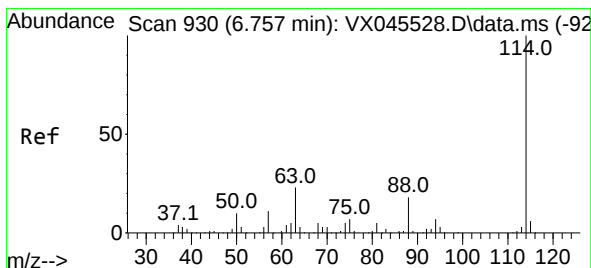
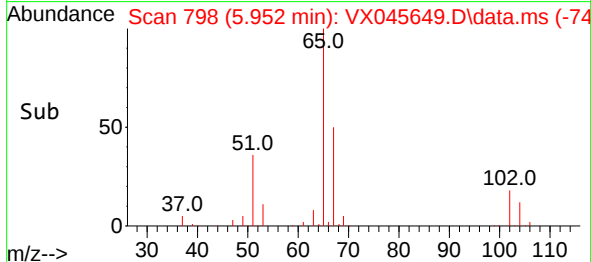
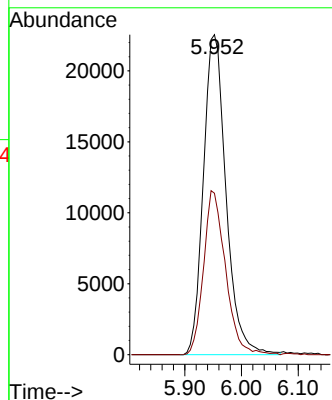
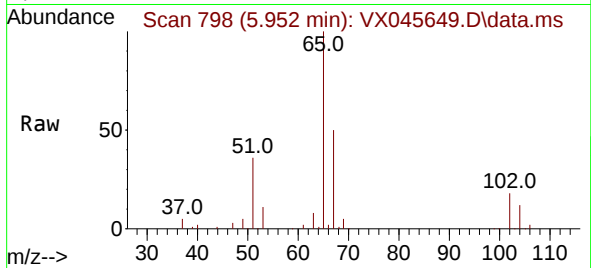




#33
 1,2-Dichloroethane-d4
 Concen: 55.389 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX045649.D
 Acq: 08 Apr 2025 14:01

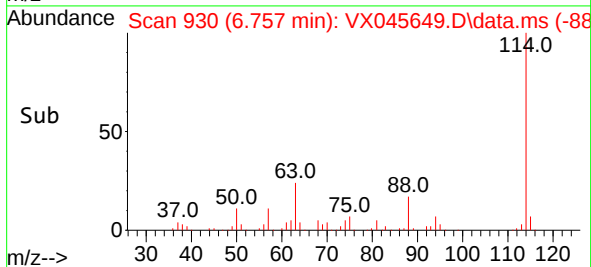
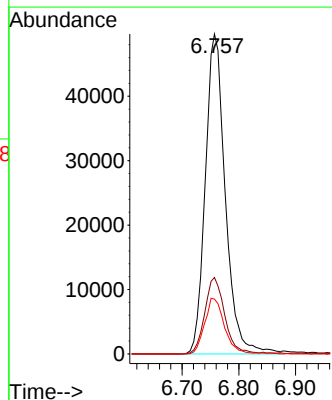
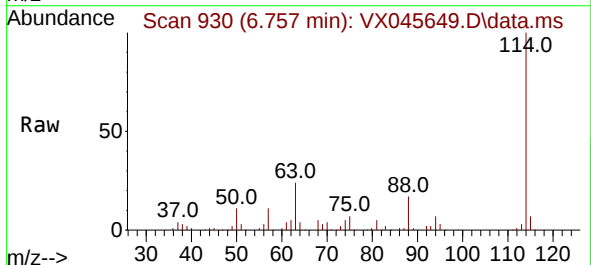
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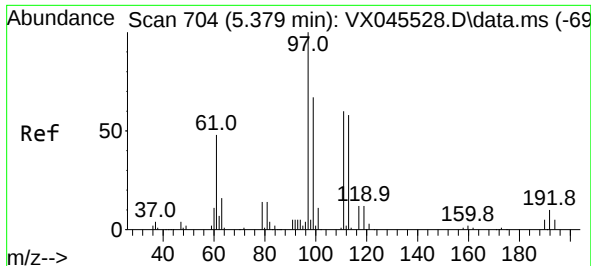
Tgt Ion: 65 Resp: 62608
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX045649.D
 Acq: 08 Apr 2025 14:01

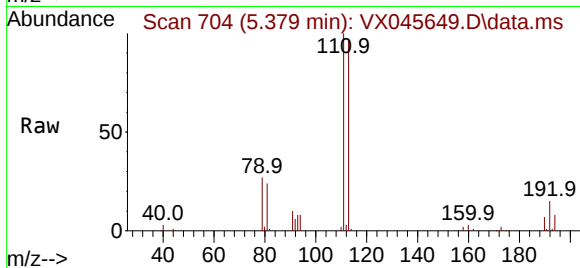
Tgt Ion: 114 Resp: 121796
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.8
 88 17.1 0.0 35.4



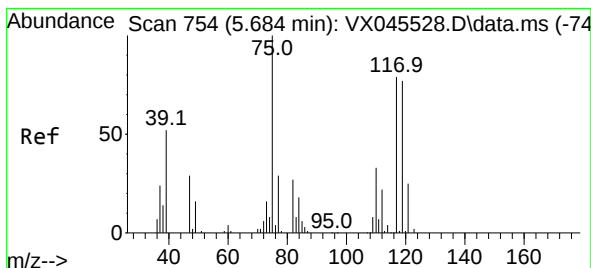
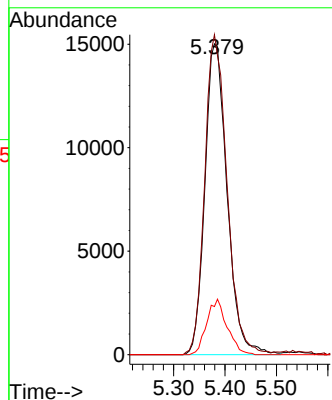
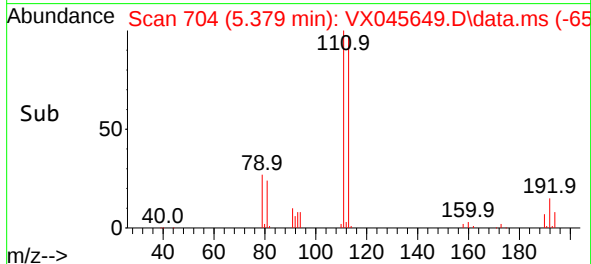


#35
Dibromofluoromethane
Concen: 52.204 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

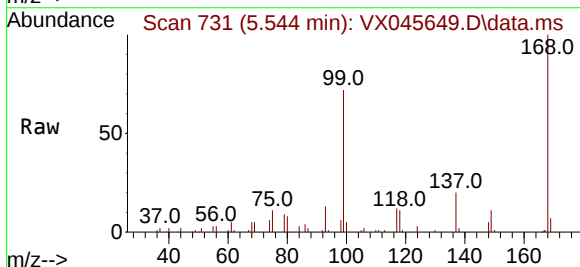
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07



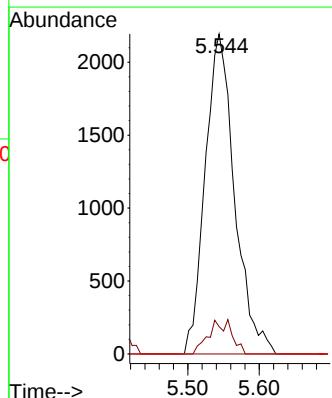
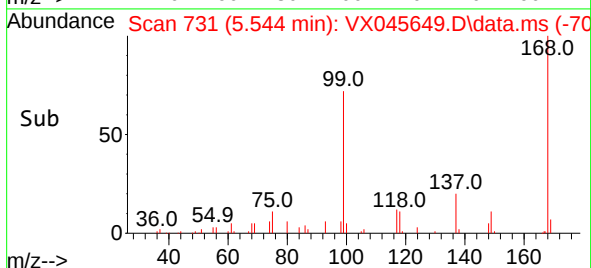
Tgt Ion:113 Resp: 45112
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 16.4 13.8 20.6

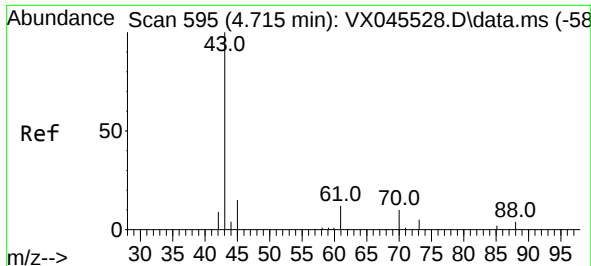


#36
1,1-Dichloropropene
Concen: 5.378 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01



Tgt Ion: 75 Resp: 6275
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 4.514 ug/l

RT: 4.581 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE07

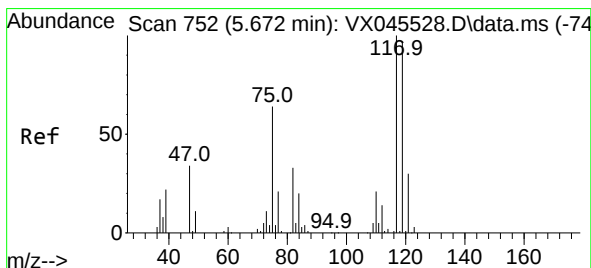
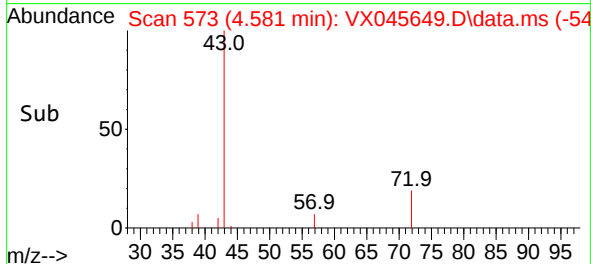
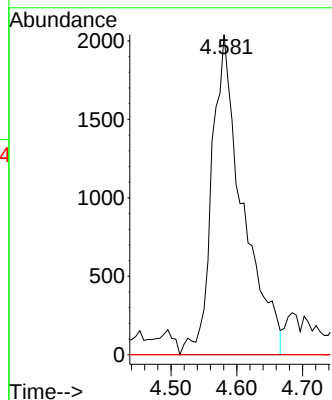
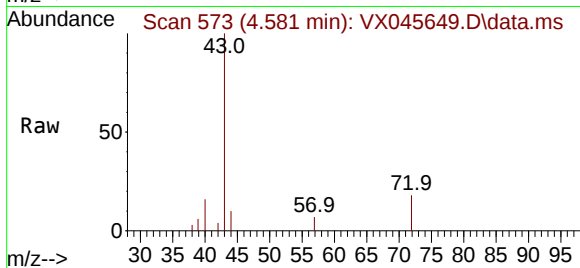
Tgt Ion: 43 Resp: 6637

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.896 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

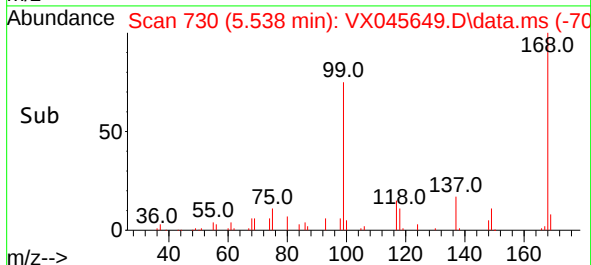
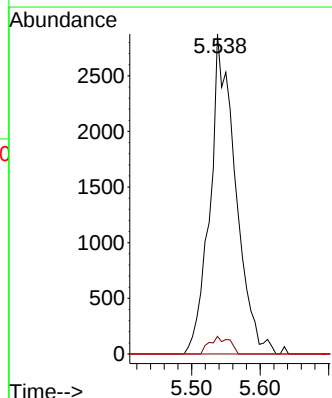
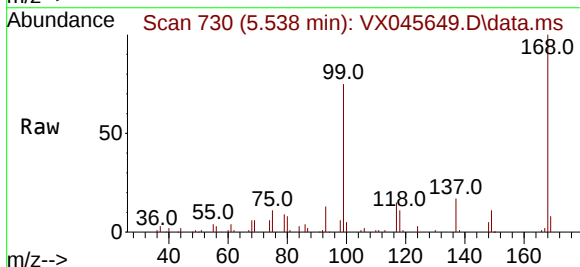
Tgt Ion: 117 Resp: 7435

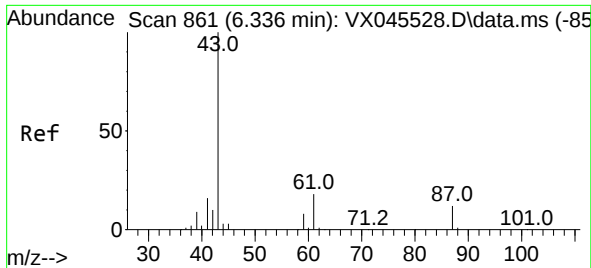
Ion Ratio Lower Upper

117 100

119 5.5 76.9 115.3#

121 0.0 24.2 36.2#

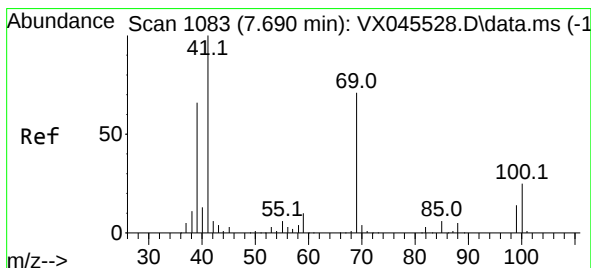
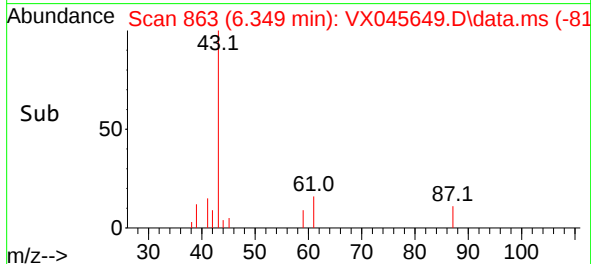
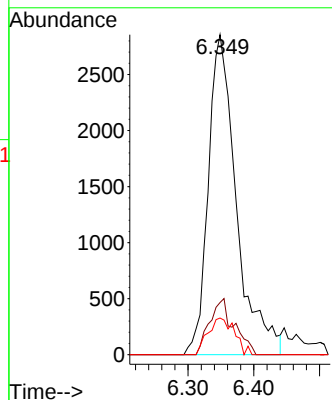
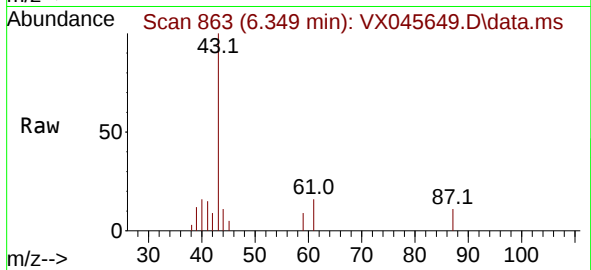




#43
Isopropyl Acetate
Concen: 3.822 ug/l
RT: 6.349 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

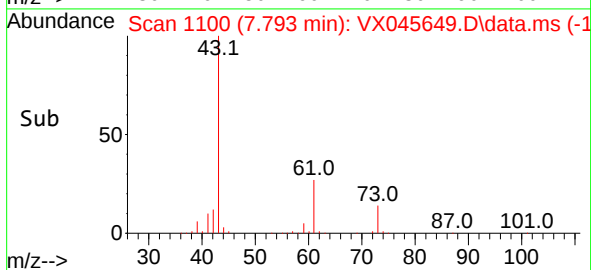
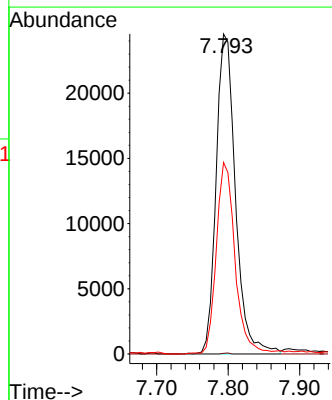
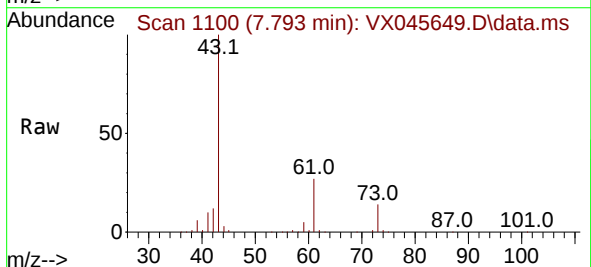
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

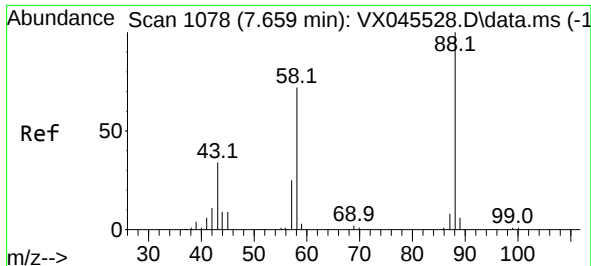
Tgt Ion: 43 Resp: 8517
Ion Ratio Lower Upper
43 100
61 15.3 14.1 21.1
87 10.7 9.2 13.8



#48
Methyl methacrylate
Concen: 40.020 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion: 41 Resp: 46048
Ion Ratio Lower Upper
41 100
69 0.1 58.2 87.2#
39 58.1 53.6 80.4





#49

1,4-Dioxane

Concen: 1.153 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX045649.D

Acq: 08 Apr 2025 14:01

Instrument :

MSVOA_X

ClientSampleId :

PB167492ZHE07

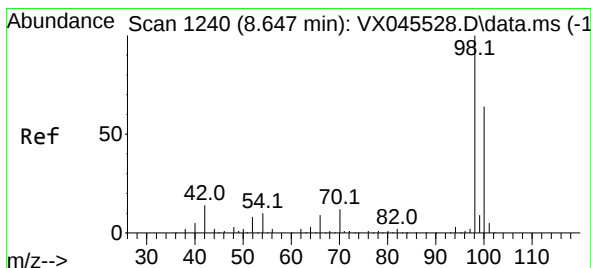
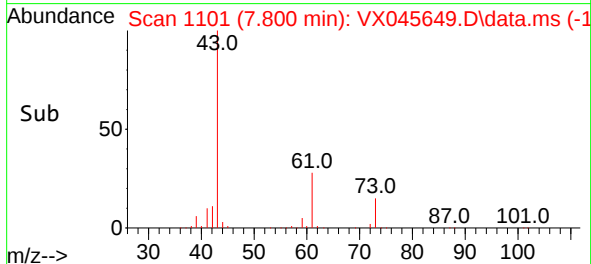
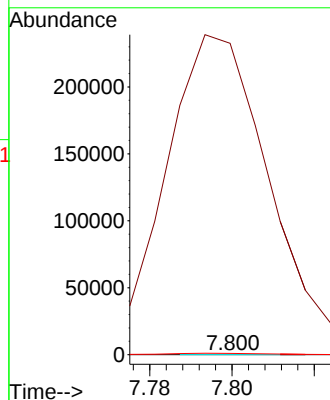
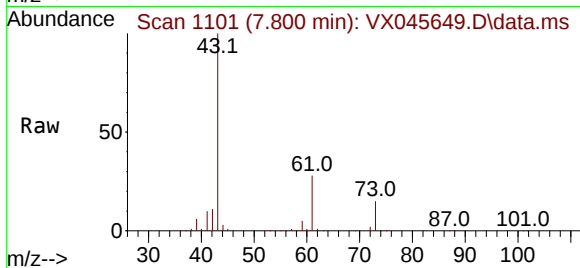
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 1827441.7 32.2 48.4#

58 8262.5 58.6 88.0#



#50

Toluene-d8

Concen: 52.666 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045649.D

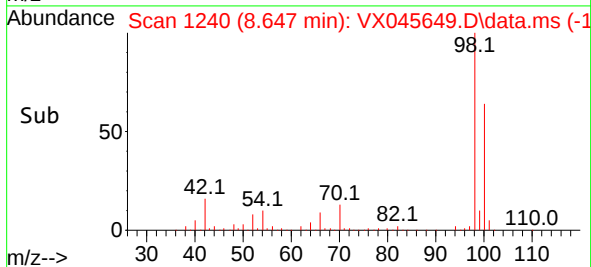
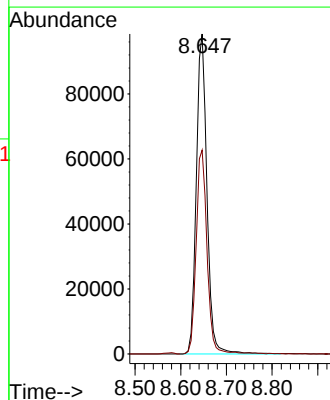
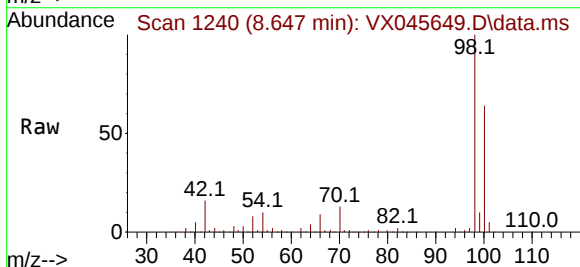
Acq: 08 Apr 2025 14:01

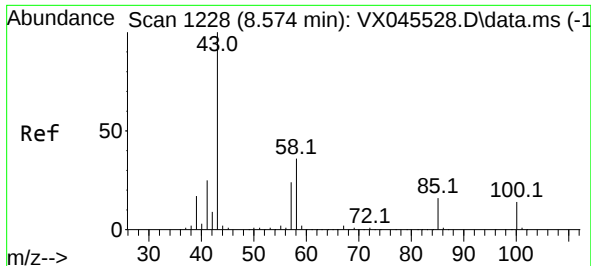
Tgt Ion: 98 Resp: 158851

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4

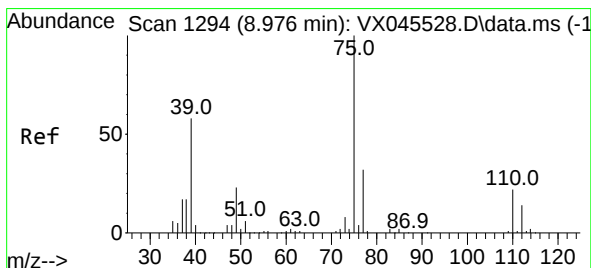
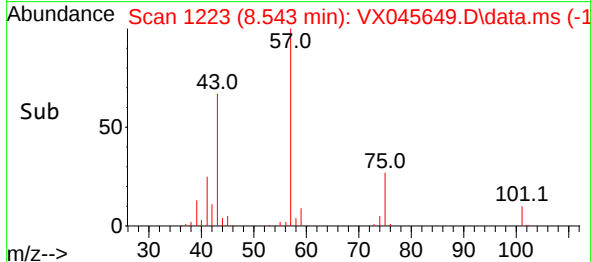
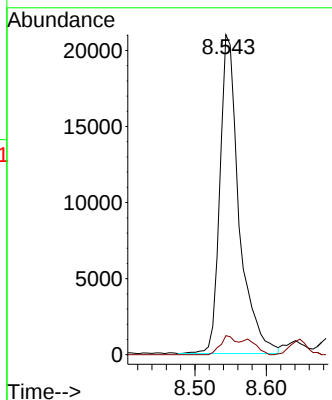
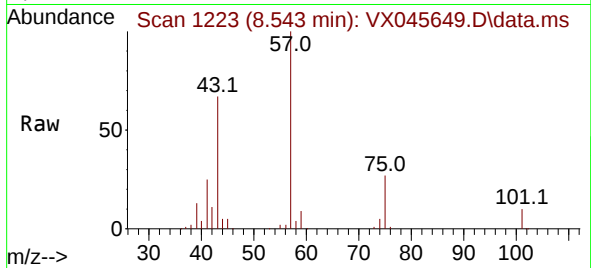




#51
4-Methyl-2-Pentanone
Concen: 26.485 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

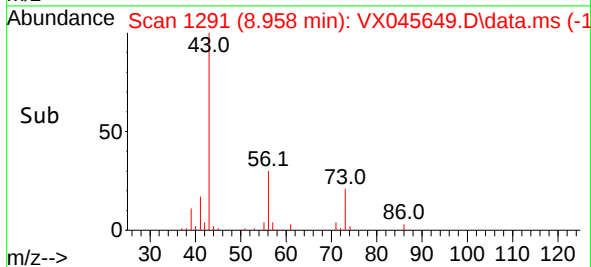
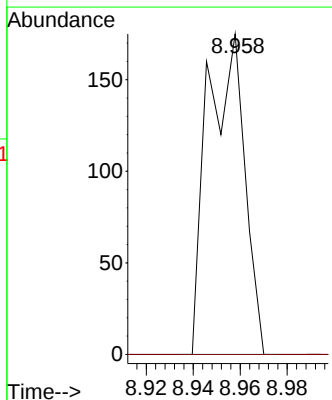
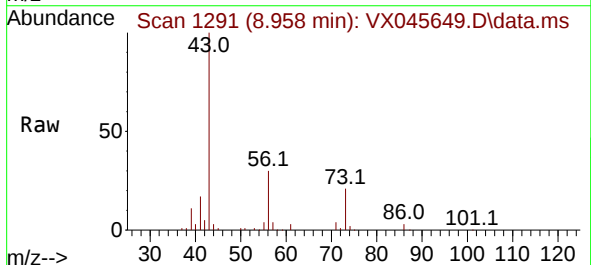
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

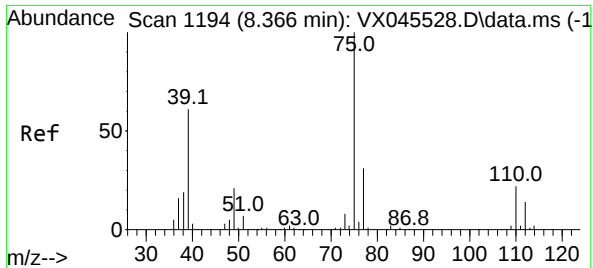
Tgt Ion: 43 Resp: 39127
Ion Ratio Lower Upper
43 100
58 5.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.428 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion: 75 Resp: 191
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

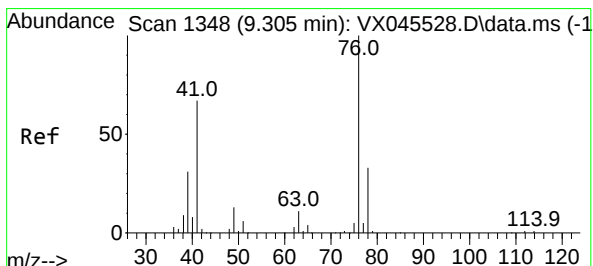
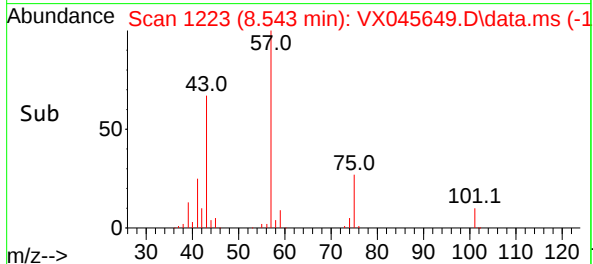
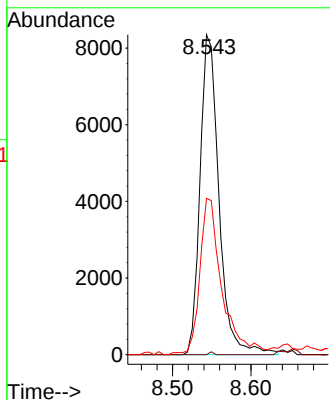
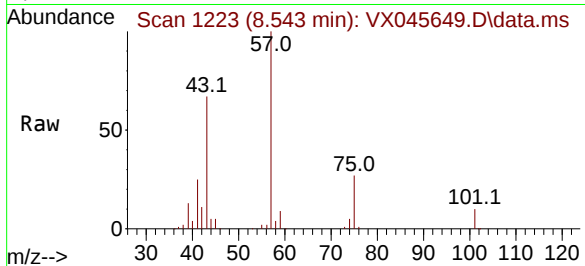




#54
 cis-1,3-Dichloropropene
 Concen: 10.946 ug/l
 RT: 8.543 min Scan# 1194
 Delta R.T. 0.177 min
 Lab File: VX045649.D
 Acq: 08 Apr 2025 14:01

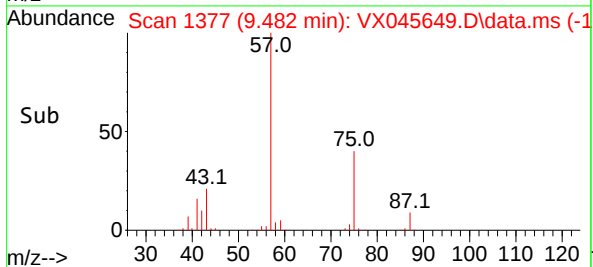
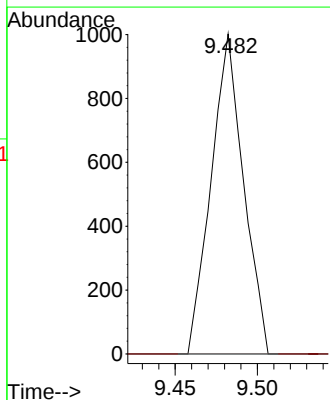
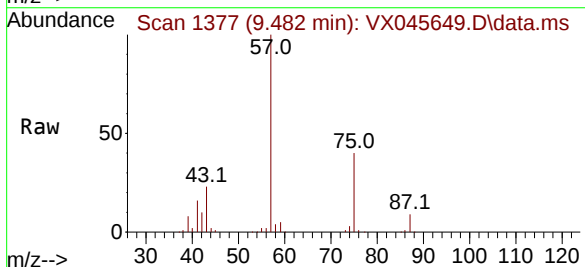
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE07

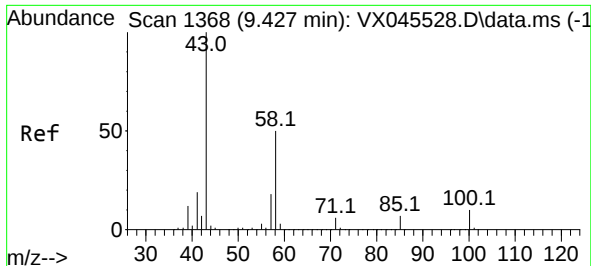
Tgt Ion: 75 Resp: 14020
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 48.2 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.918 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045649.D
 Acq: 08 Apr 2025 14:01

Tgt Ion: 76 Resp: 1373
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

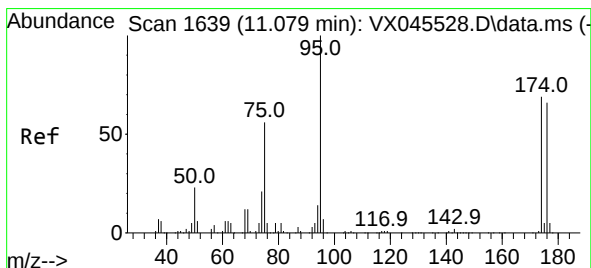
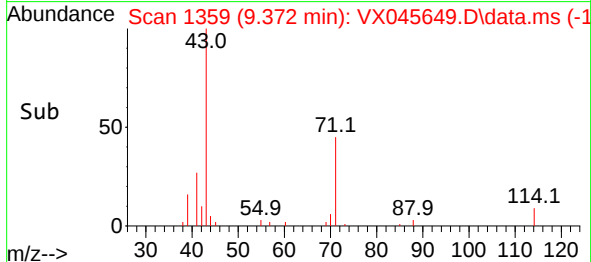
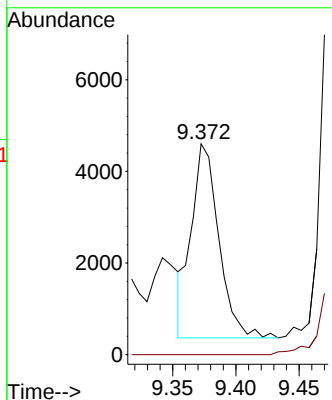
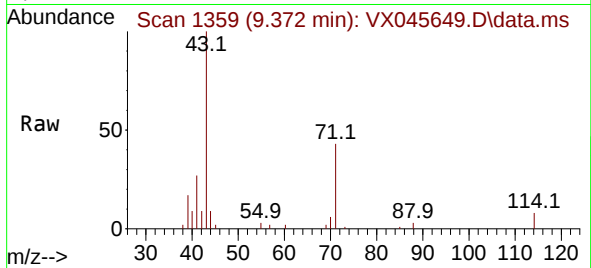




#59
2-Hexanone
Concen: 5.877 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

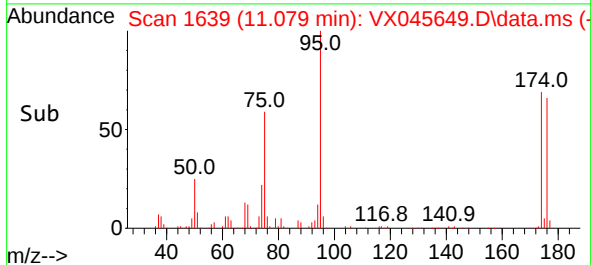
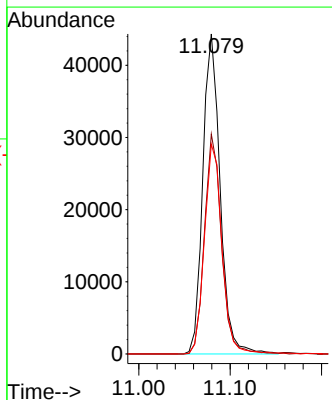
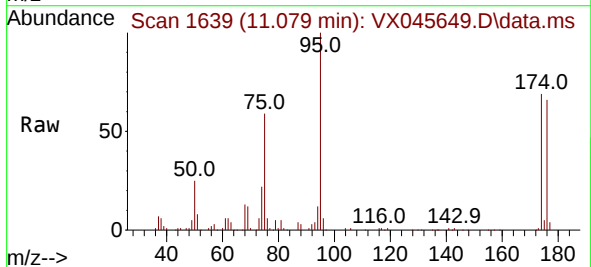
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

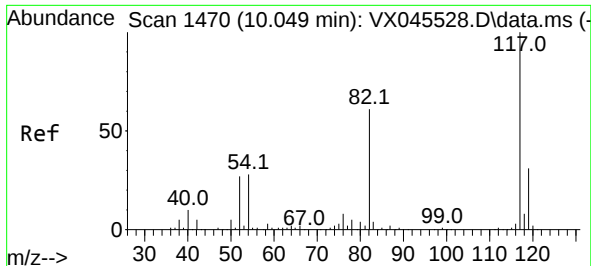
Tgt Ion: 43 Resp: 6430
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion: 95 Resp: 58270
Ion Ratio Lower Upper
95 100
174 67.5 0.0 135.8
176 66.7 0.0 131.4

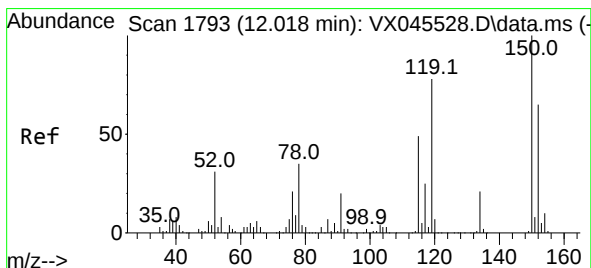
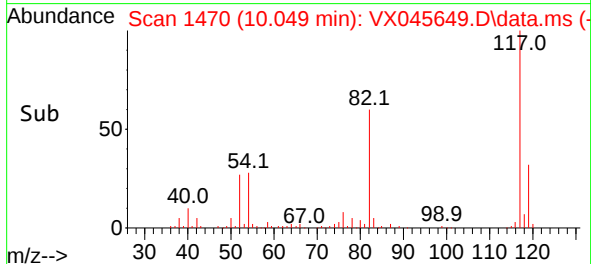
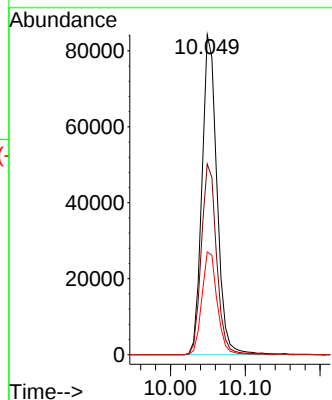
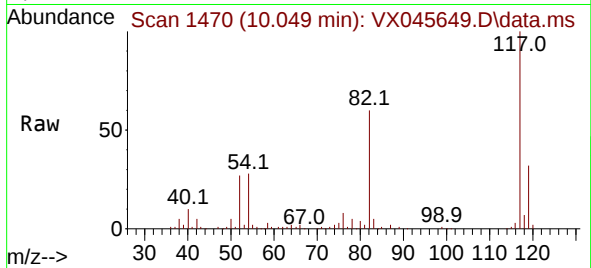




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

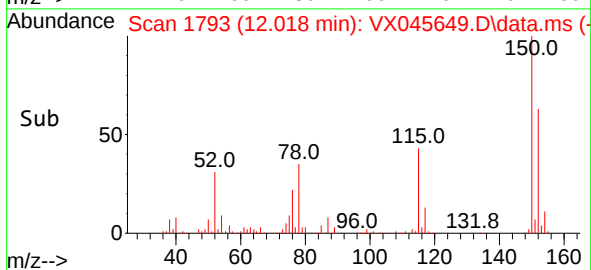
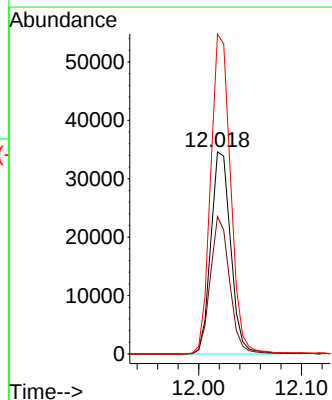
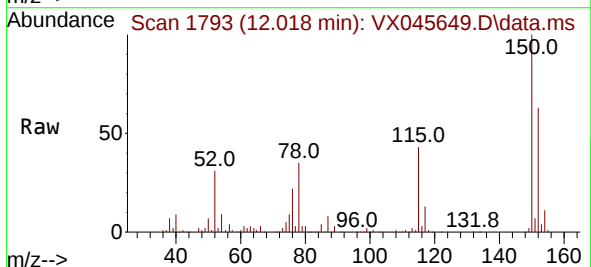
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

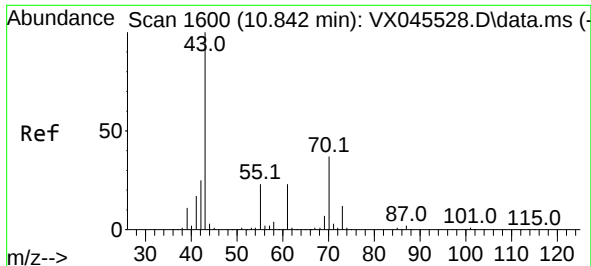
Tgt Ion:117 Resp: 117328
Ion Ratio Lower Upper
117 100
82 59.6 49.2 73.8
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion:152 Resp: 46406
Ion Ratio Lower Upper
152 100
115 66.3 46.9 140.7
150 159.9 0.0 349.4

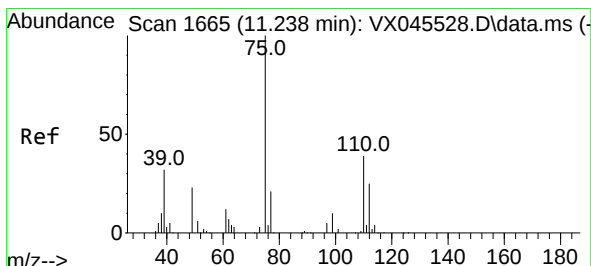
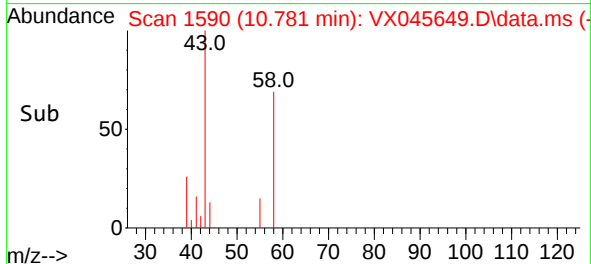
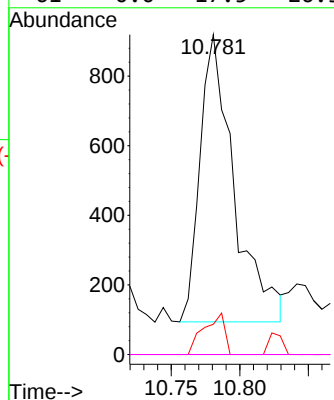
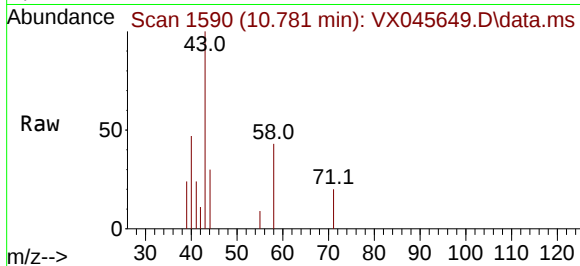




#74
N-amy1 acetate
Concen: 0.802 ug/l
RT: 10.781 min Scan# 1639
Delta R.T. -0.061 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

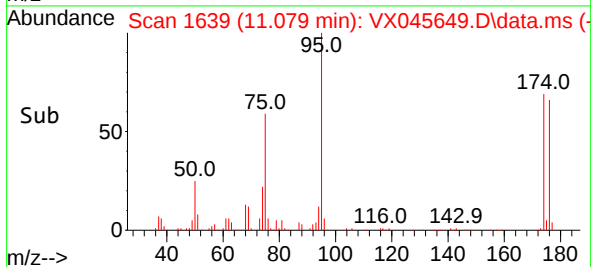
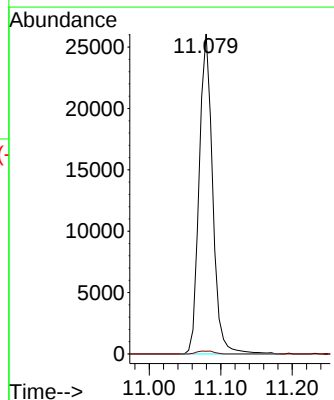
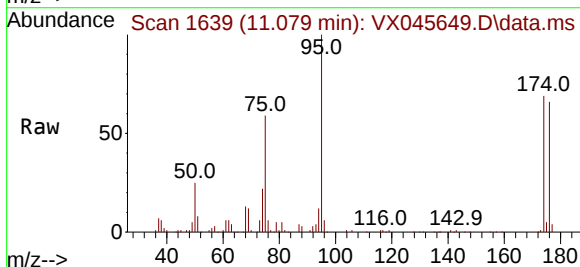
Instrument :
MSVOA_X
ClientSampleId :
PB167492ZHE07

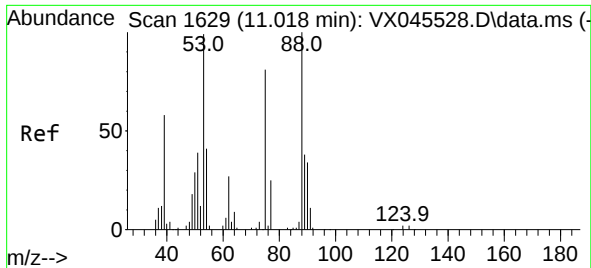
Tgt Ion:	43	Resp:	1426
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	8.8	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 30.192 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045649.D
Acq: 08 Apr 2025 14:01

Tgt Ion:	75	Resp:	34176
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.0	59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 102.468 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045649.D
 Acq: 08 Apr 2025 14:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167492ZHE07

Tgt Ion: 75 Resp: 34176
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

