

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046036.D
 Acq On : 02 May 2025 18:32
 Operator : JC/MD
 Sample : PB167816TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167816TB

Quant Time: May 02 23:21:21 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

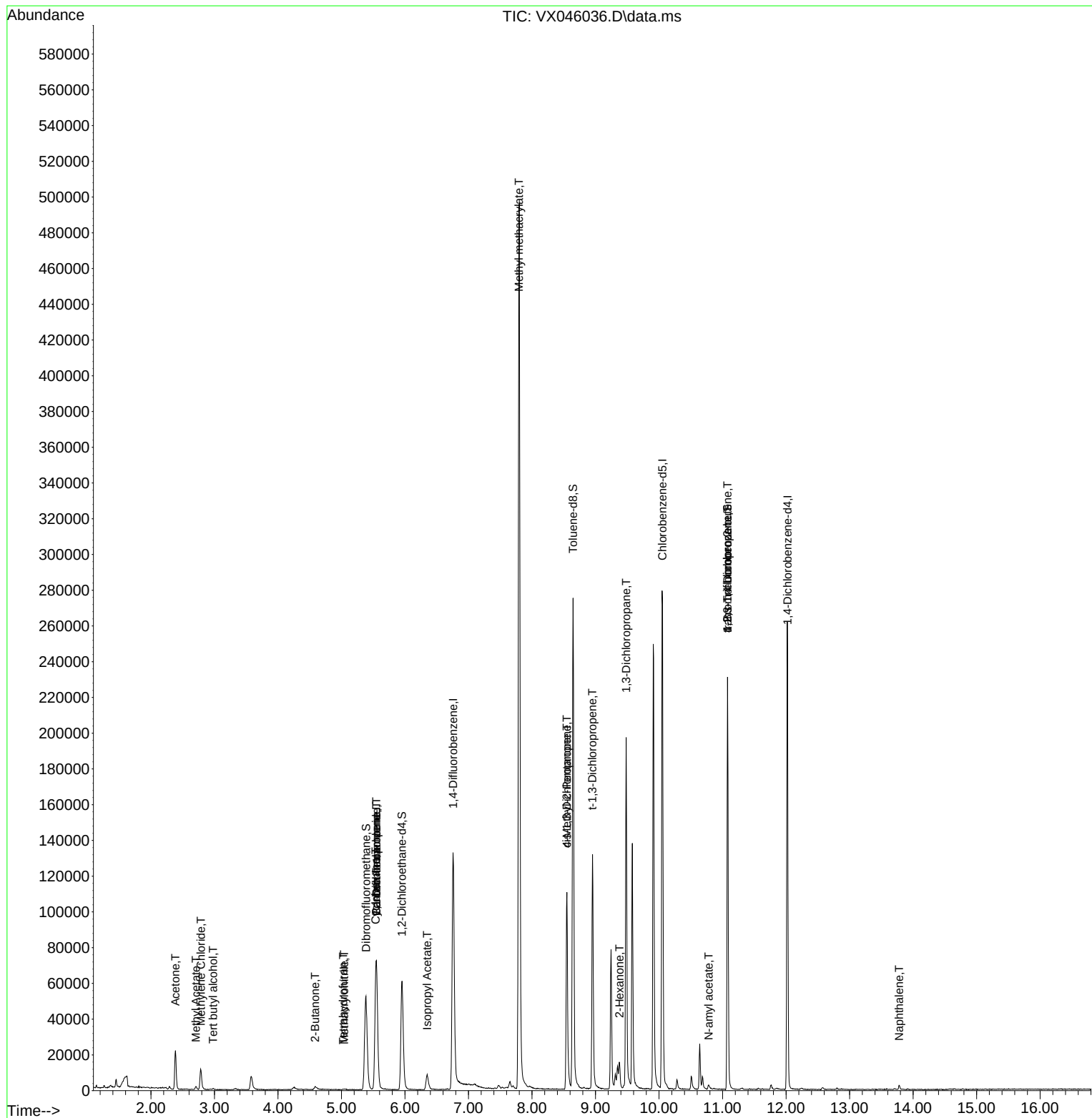
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61884	52.599	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.200%		
35) Dibromofluoromethane	5.385	113	45092	50.999	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.000%		
50) Toluene-d8	8.647	98	158733	51.435	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.880%		
62) 4-Bromofluorobenzene	11.079	95	59544	52.970	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 105.940%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	626	3.959	ug/l #	72
16) Acetone	2.386	43	23519	48.682	ug/l	97
18) Methyl Acetate	2.709	43	2330	2.095	ug/l	92
20) Methylene Chloride	2.788	84	5537	6.122	ug/l	94
25) 2-Butanone	4.586	43	3939	5.570	ug/l	94
29) Tetrahydrofuran	5.025	42	125	0.273	ug/l #	47
31) Cyclohexane	5.537	56	1850	1.282	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	6353	5.322	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7260	5.627	ug/l #	17
41) Methacrylonitrile	5.044	41	263	0.331	ug/l #	35
43) Isopropyl Acetate	6.348	43	12550	5.504	ug/l	100
48) Methyl methacrylate	7.793	41	50598	42.978	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	43846	29.007	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	220	2.446	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16546	12.625	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1492	0.975	ug/l #	42
59) 2-Hexanone	9.378	43	14031	12.535	ug/l #	28
74) N-amyl acetate	10.780	43	2060	1.127	ug/l #	48
76) 1,2,3-Trichloropropane	11.079	75	34657	29.783	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34657	101.079	ug/l #	1
95) Naphthalene	13.780	128	2305	0.696	ug/l #	93

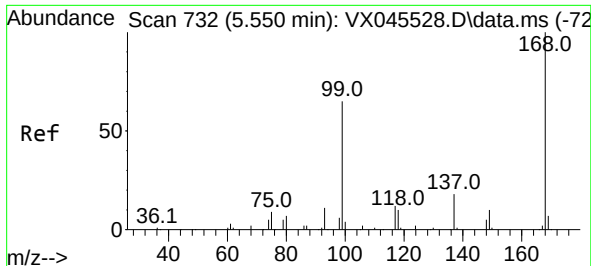
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

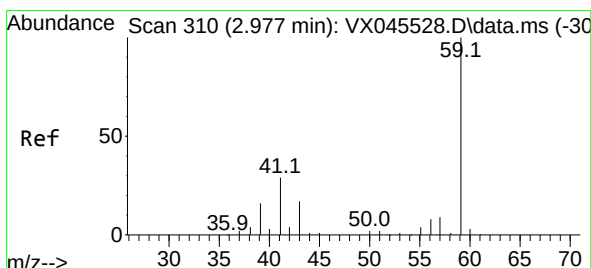
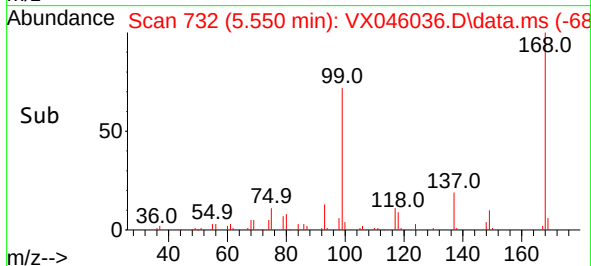
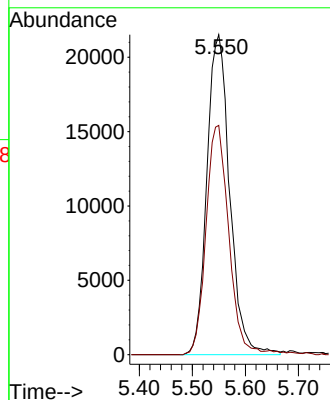
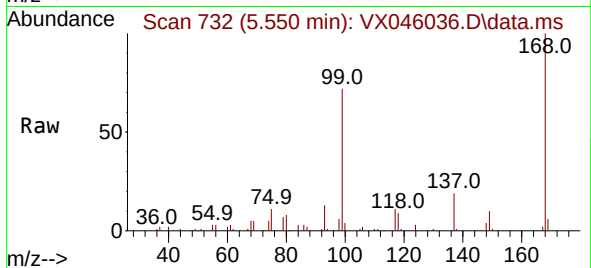




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

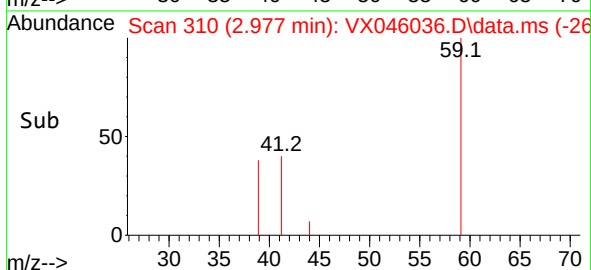
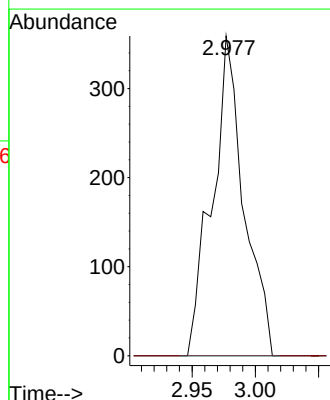
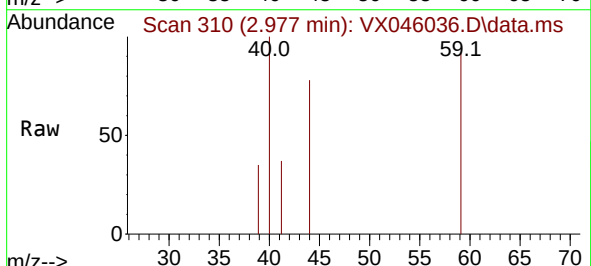
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

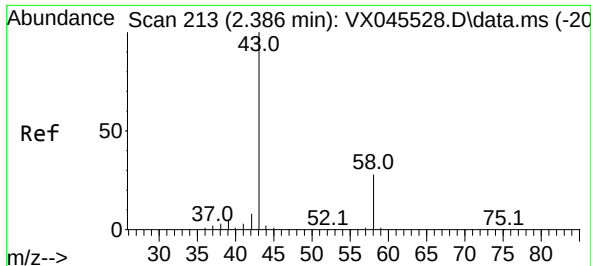
Tgt Ion:168 Resp: 64335
Ion Ratio Lower Upper
168 100
99 71.6 52.3 78.5



#11
Tert butyl alcohol
Concen: 3.959 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 59 Resp: 626
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

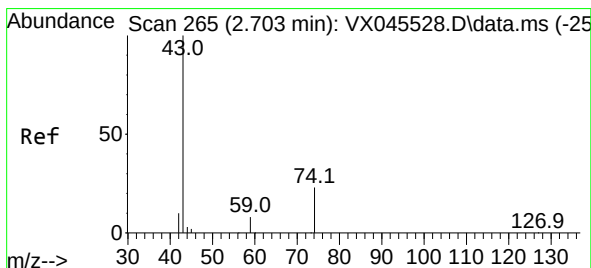
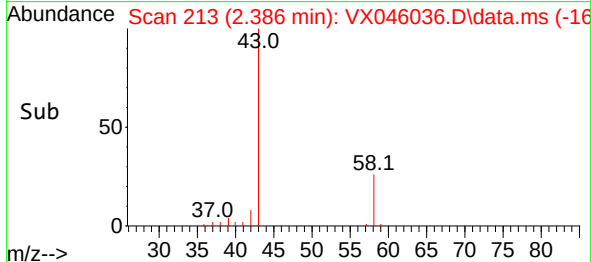
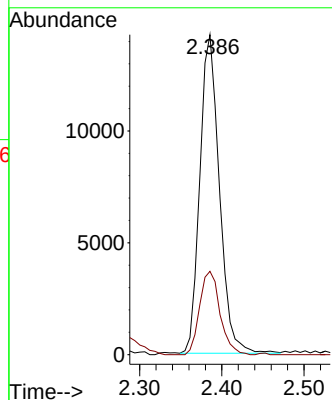
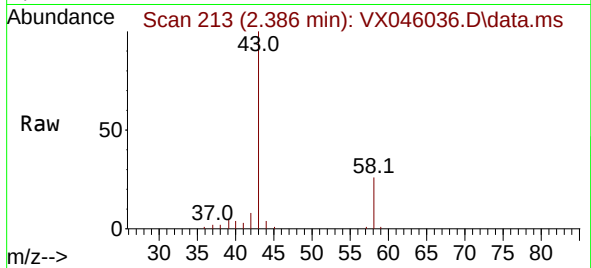




#16
Acetone
Concen: 48.682 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

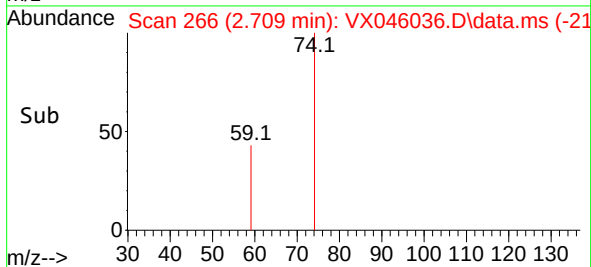
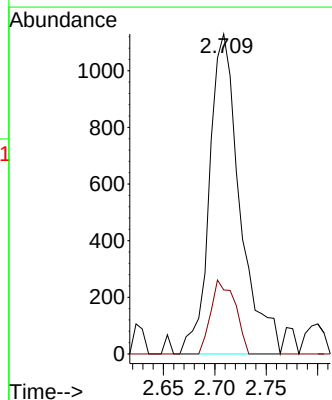
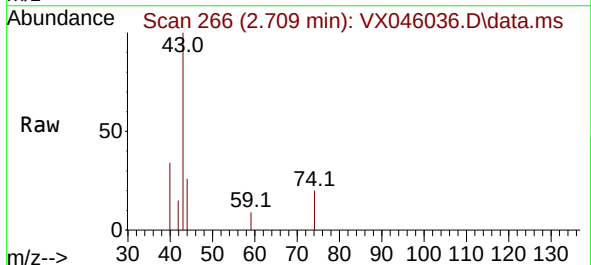
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

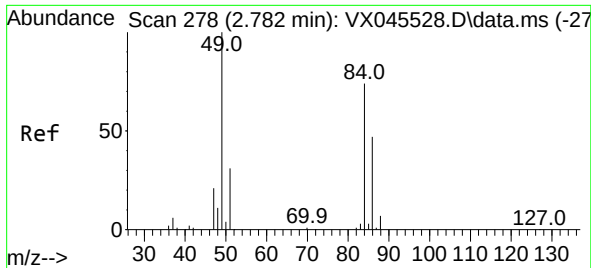
Tgt Ion: 43 Resp: 23519
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



#18
Methyl Acetate
Concen: 2.095 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
74 18.3 17.5 26.3

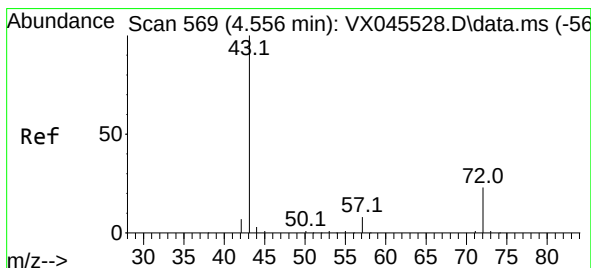
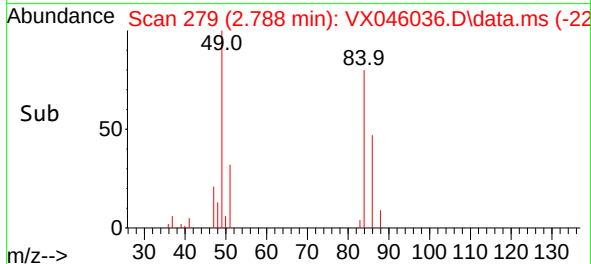
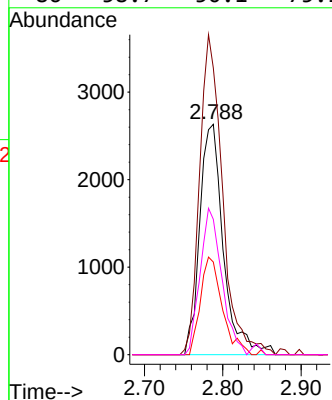
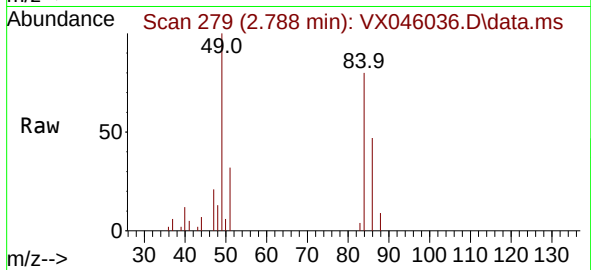




#20
Methylene Chloride
Concen: 6.122 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

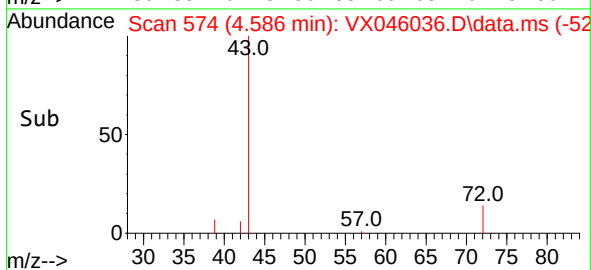
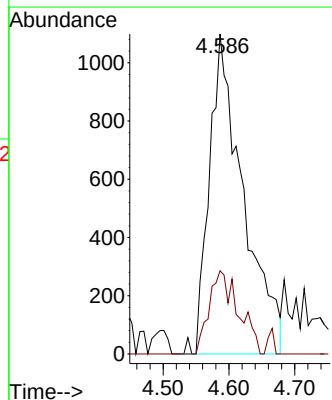
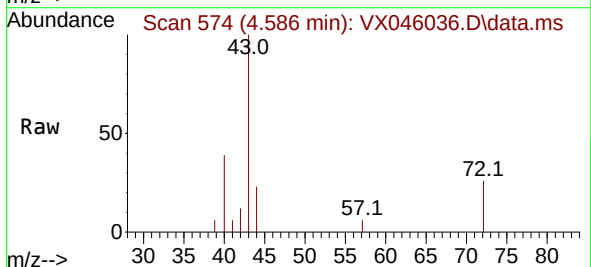
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

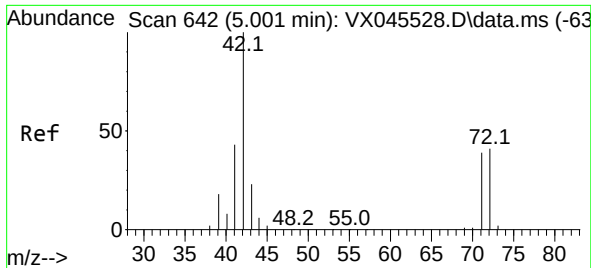
Tgt Ion:	84	Resp:	5537
Ion	Ratio	Lower	Upper
84	100		
49	124.5	107.5	161.3
51	40.2	33.0	49.6
86	58.7	50.1	75.1



#25
2-Butanone
Concen: 5.570 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion:	43	Resp:	3939
Ion	Ratio	Lower	Upper
43	100		
72	26.0	18.6	28.0





#29

Tetrahydrofuran

Concen: 0.273 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX046036.D

Acq: 02 May 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB167816TB

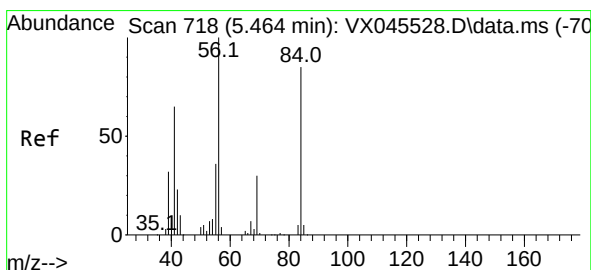
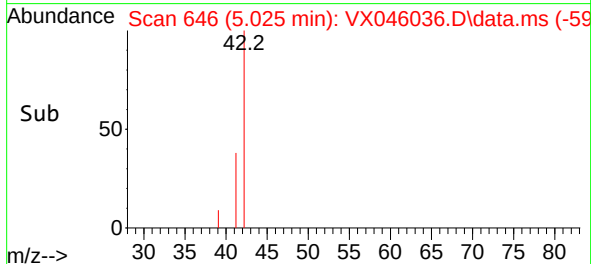
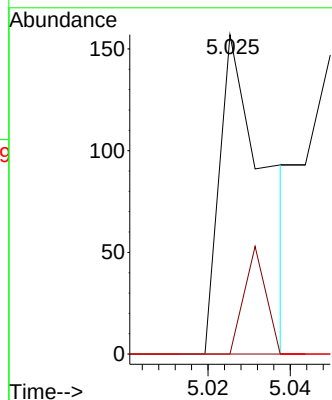
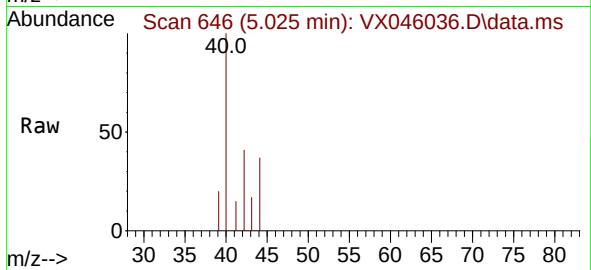
Tgt Ion: 42 Resp: 125

Ion Ratio Lower Upper

42 100

72 15.2 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.282 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046036.D

Acq: 02 May 2025 18:32

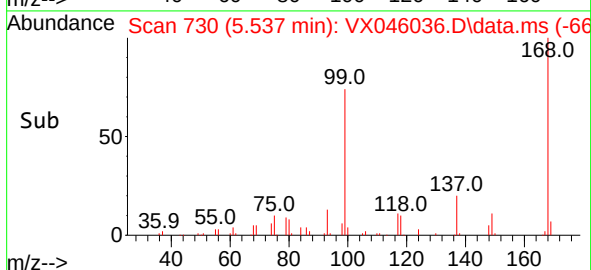
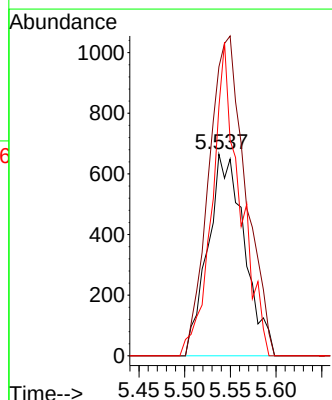
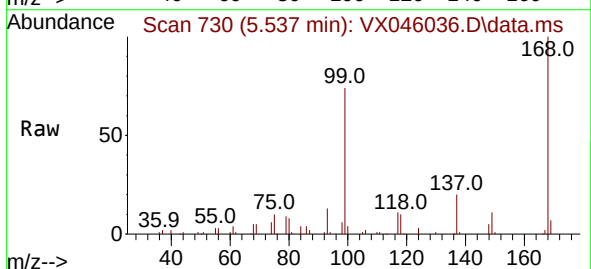
Tgt Ion: 56 Resp: 1850

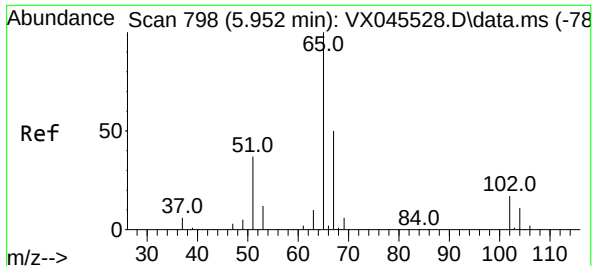
Ion Ratio Lower Upper

56 100

69 143.3 23.6 35.4#

84 123.5 67.7 101.5#





#33

1,2-Dichloroethane-d4

Concen: 52.599 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046036.D

Acq: 02 May 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

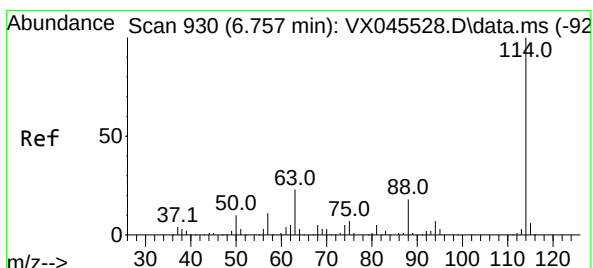
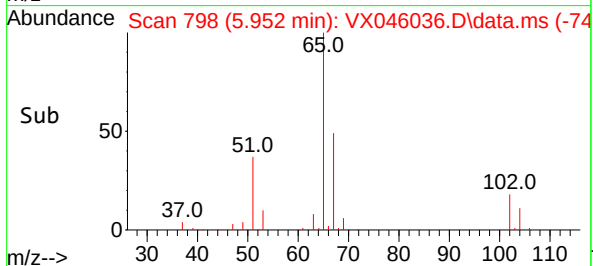
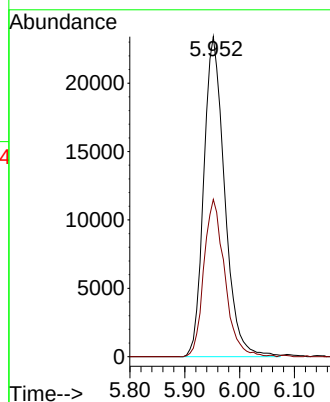
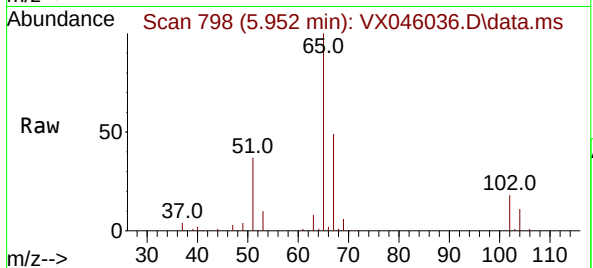
PB167816TB

Tgt Ion: 65 Resp: 61884

Ion Ratio Lower Upper

65 100

67 49.1 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: VX046036.D

Acq: 02 May 2025 18:32

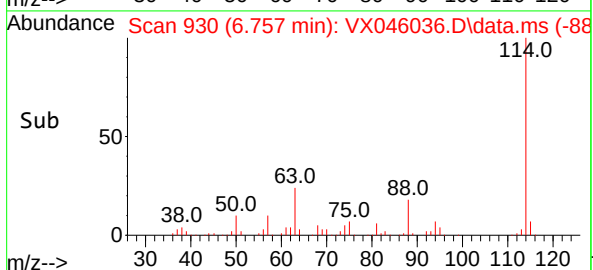
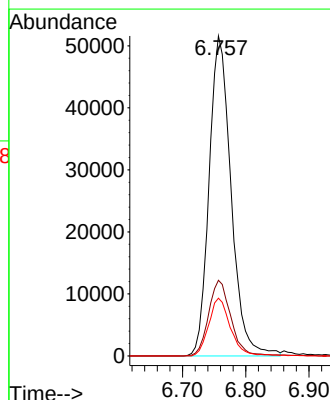
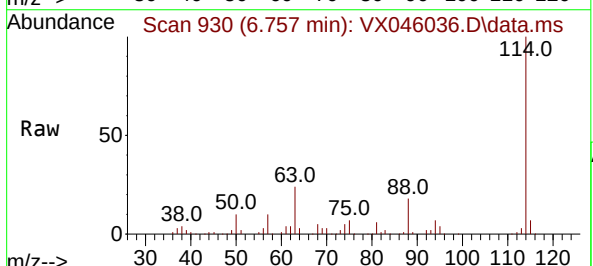
Tgt Ion: 114 Resp: 124618

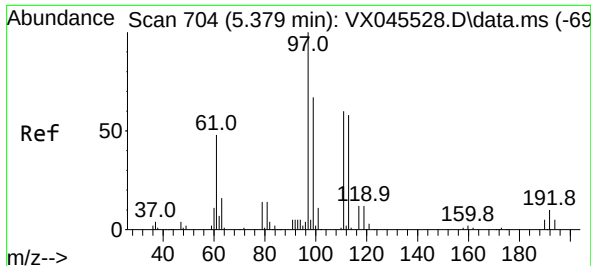
Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.8

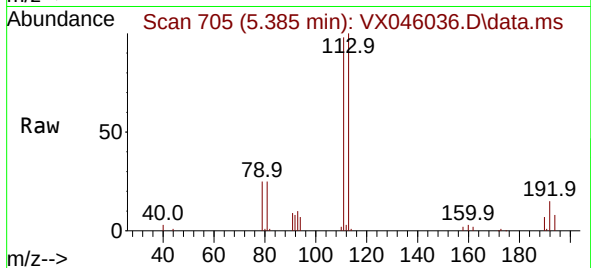
88 18.0 0.0 35.4



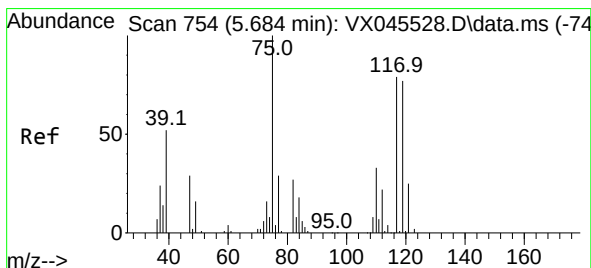
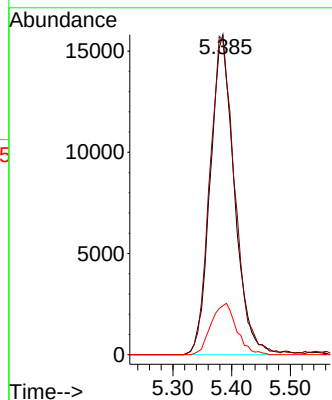
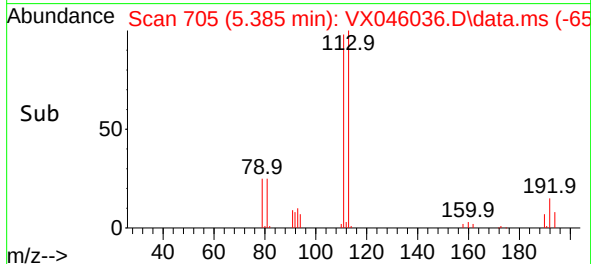


#35
Dibromofluoromethane
Concen: 50.999 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

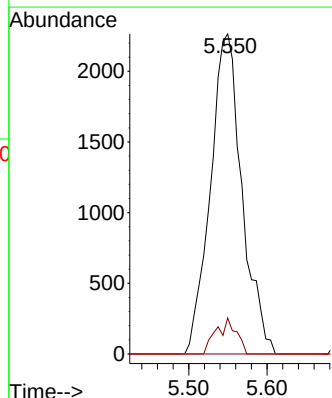
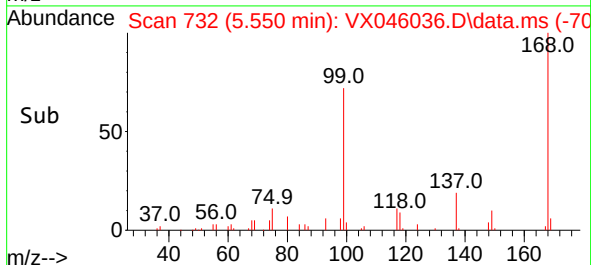
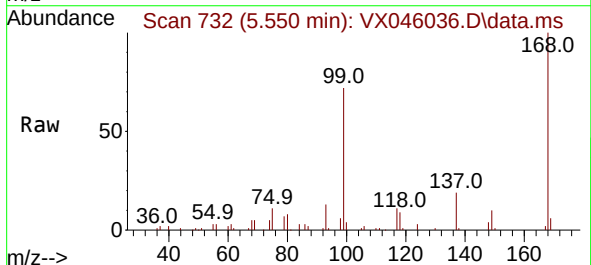


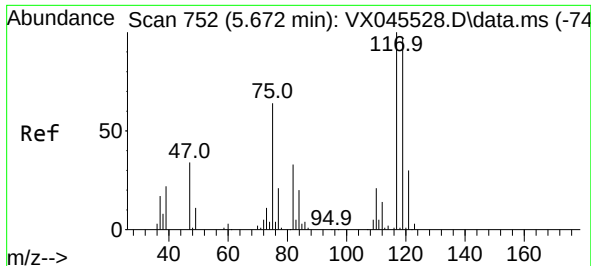
Tgt Ion:113 Resp: 45092
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

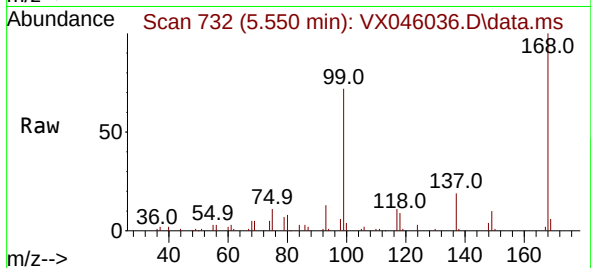
Tgt Ion: 75 Resp: 6353
Ion Ratio Lower Upper
75 100
110 7.1 16.9 50.6#
77 0.0 25.0 37.4#



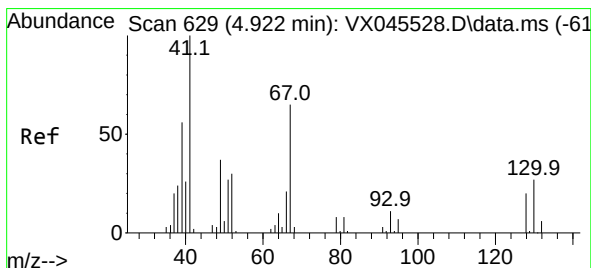
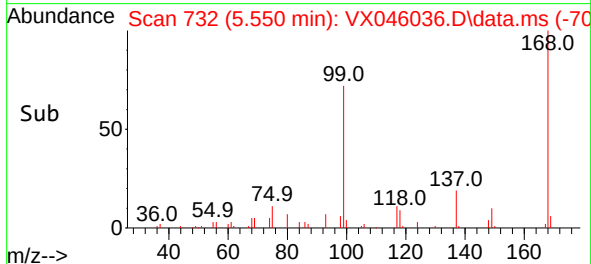
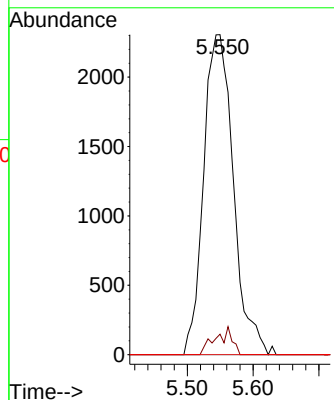


#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

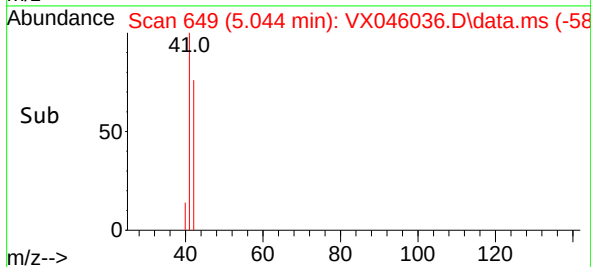
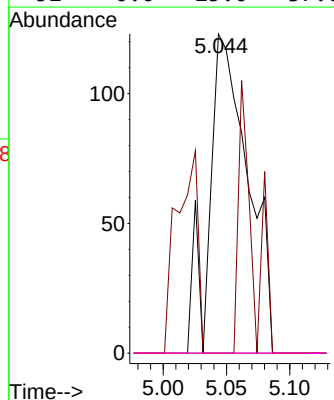
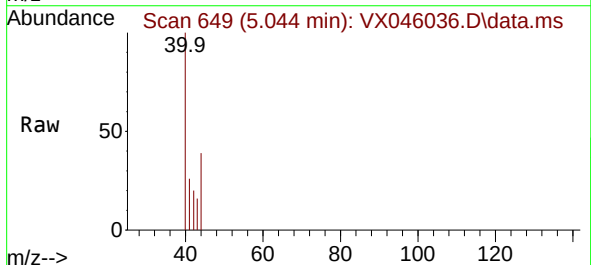


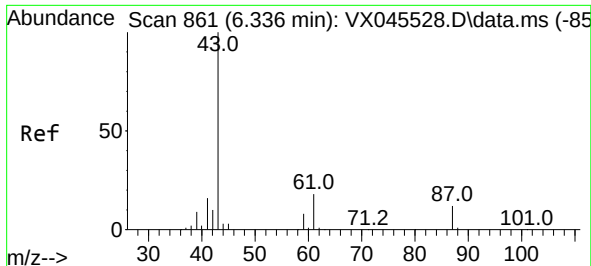
Tgt Ion:117 Resp: 7260
Ion Ratio Lower Upper
117 100
119 6.4 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.331 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 41 Resp: 263
Ion Ratio Lower Upper
41 100
39 22.8 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

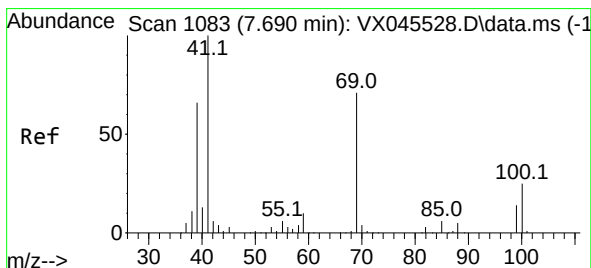
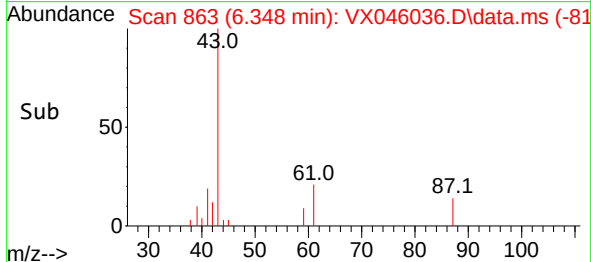
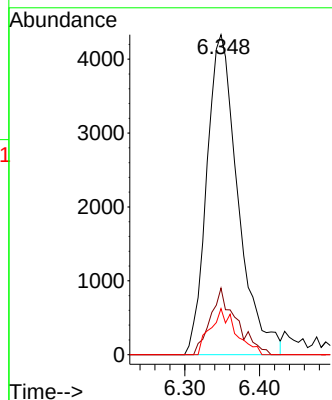
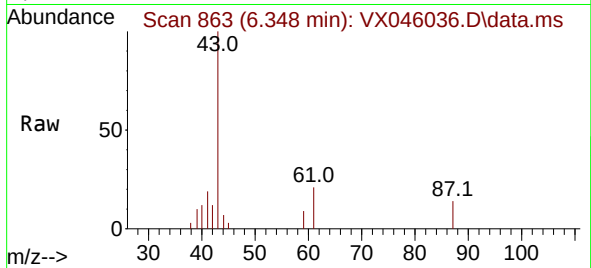




#43
Isopropyl Acetate
Concen: 5.504 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

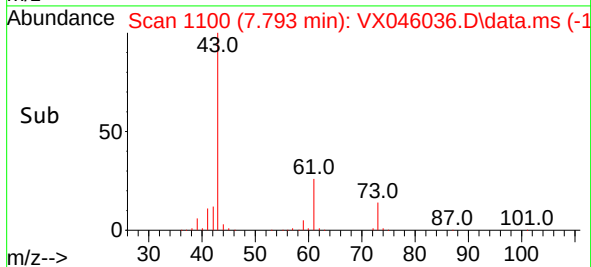
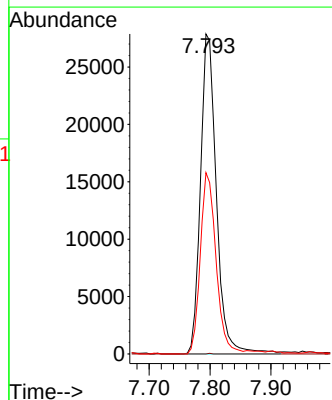
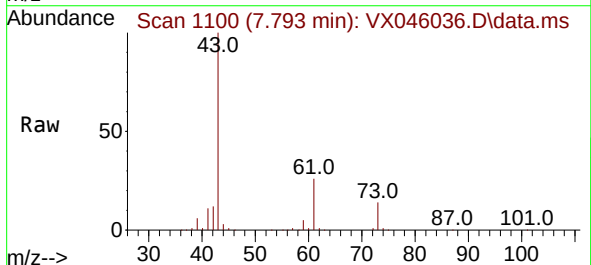
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

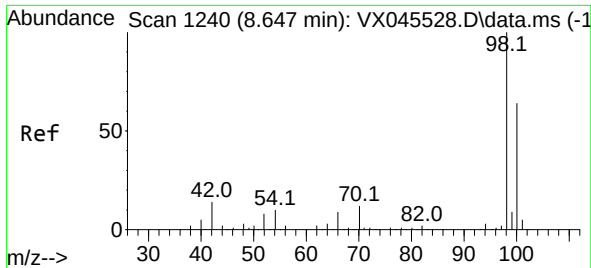
Tgt Ion: 43 Resp: 12550
Ion Ratio Lower Upper
43 100
61 17.5 14.1 21.1
87 11.8 9.2 13.8



#48
Methyl methacrylate
Concen: 42.978 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 41 Resp: 50598
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 57.0 53.6 80.4

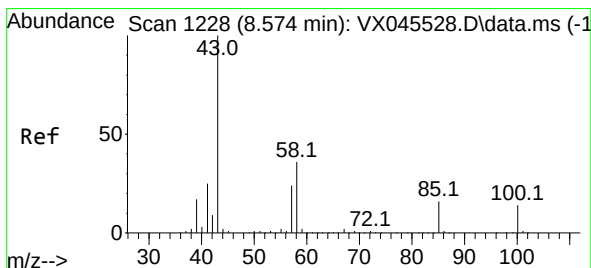
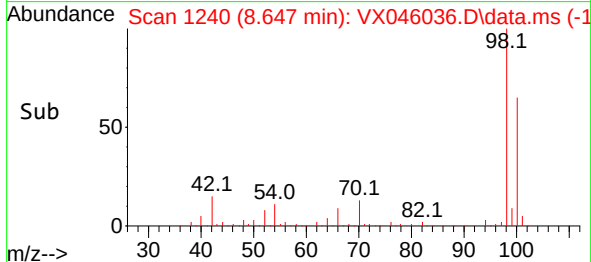
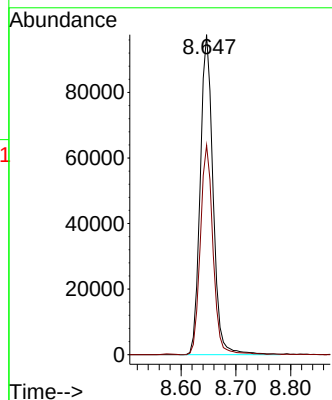
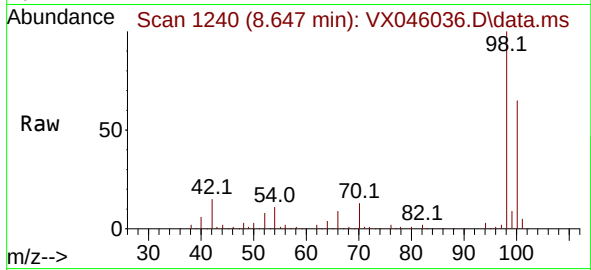




#50
Toluene-d8
Concen: 51.435 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

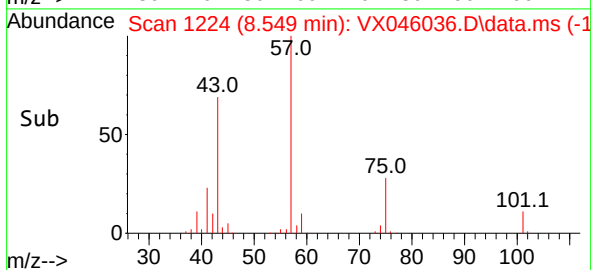
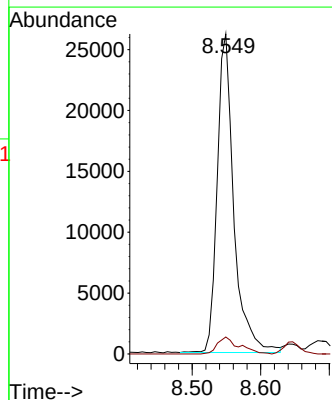
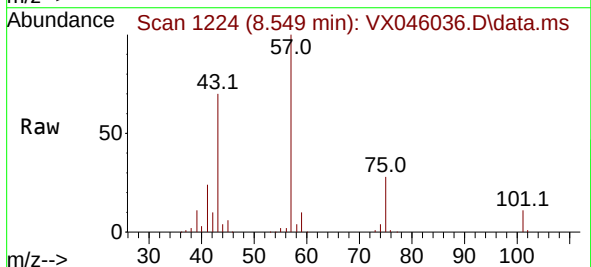
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

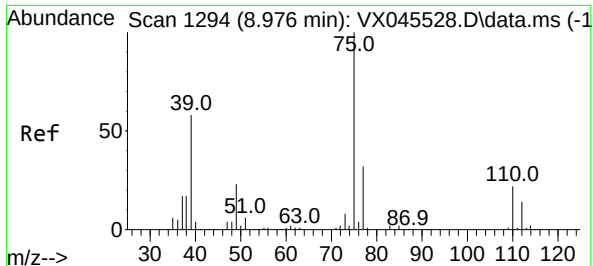
Tgt Ion: 98 Resp: 158733
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 29.007 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 43 Resp: 43846
Ion Ratio Lower Upper
43 100
58 7.0 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.446 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX046036.D

Acq: 02 May 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

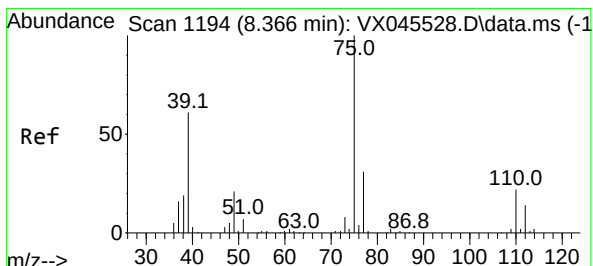
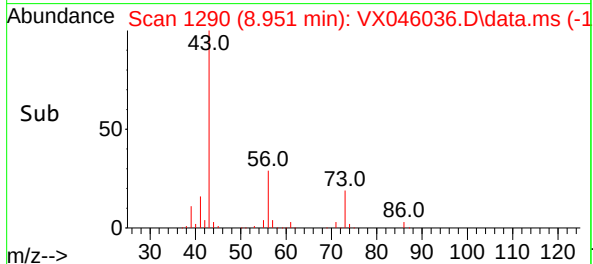
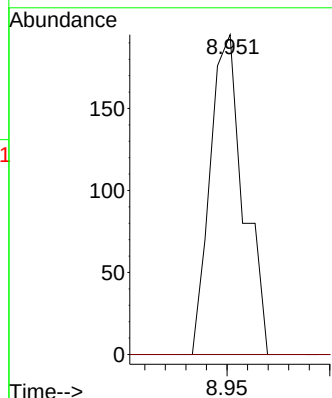
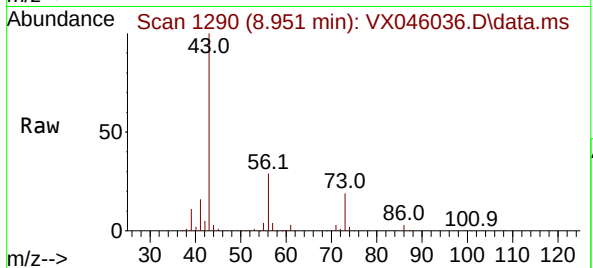
PB167816TB

Tgt Ion: 75 Resp: 220

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 12.625 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX046036.D

Acq: 02 May 2025 18:32

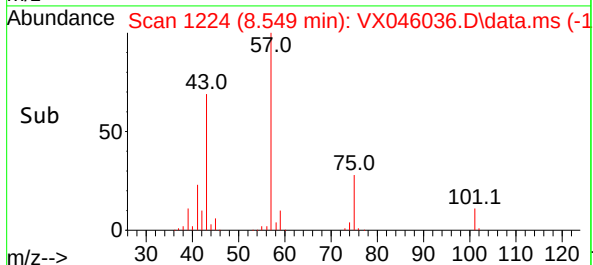
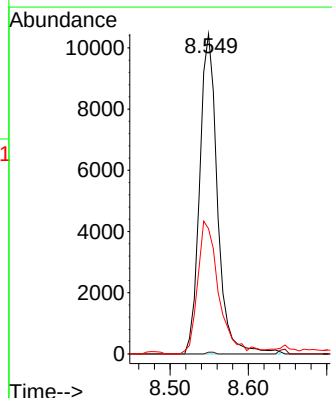
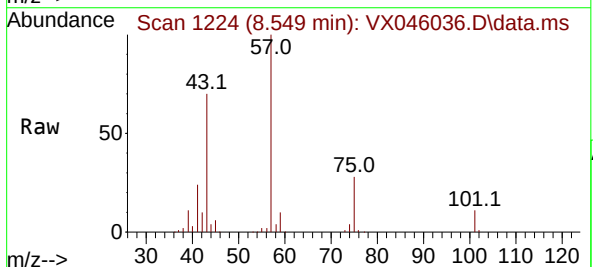
Tgt Ion: 75 Resp: 16546

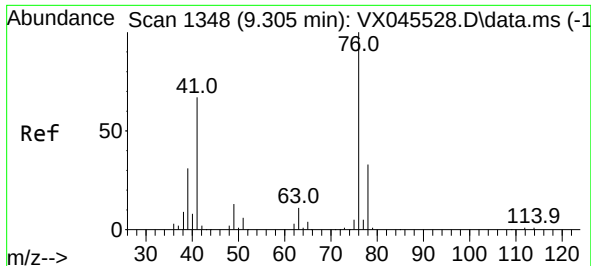
Ion Ratio Lower Upper

75 100

77 0.5 24.6 36.8#

39 39.2 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.975 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX046036.D

Acq: 02 May 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

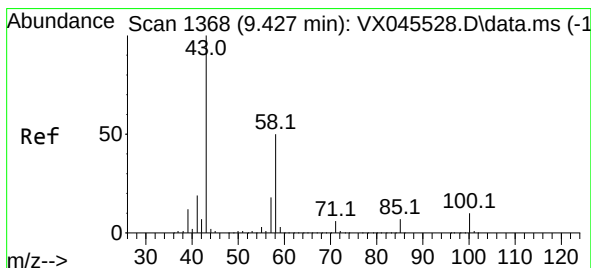
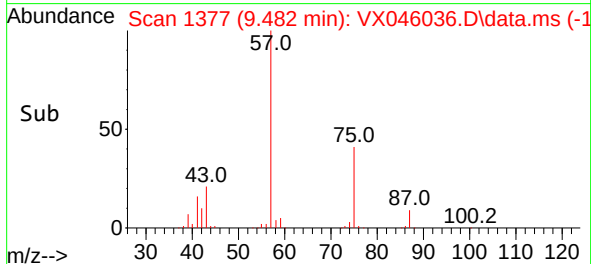
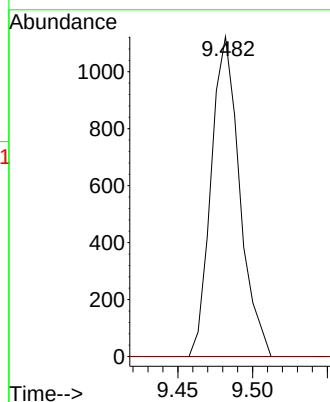
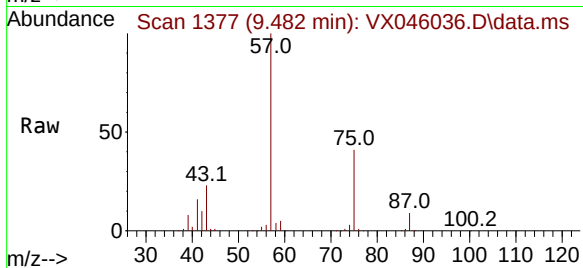
PB167816TB

Tgt Ion: 76 Resp: 1492

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 12.535 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046036.D

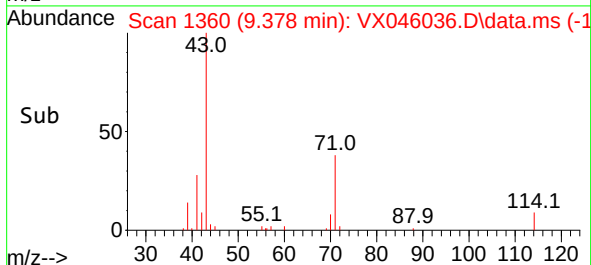
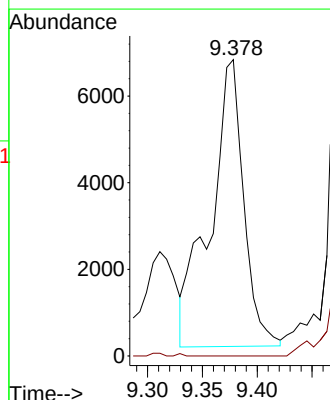
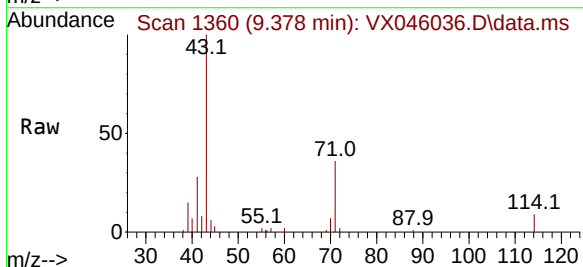
Acq: 02 May 2025 18:32

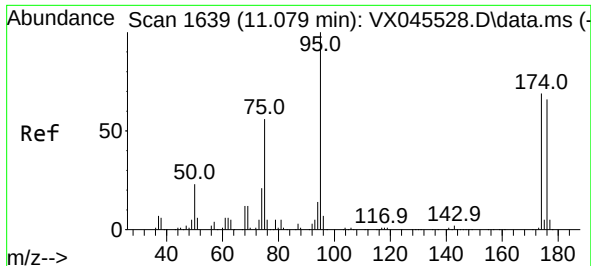
Tgt Ion: 43 Resp: 14031

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

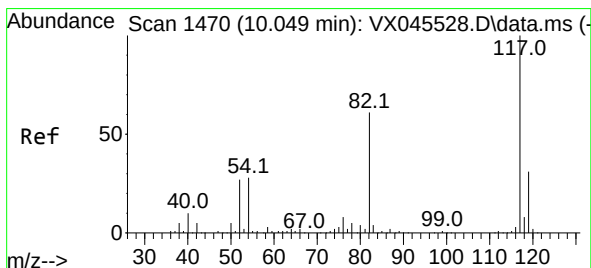
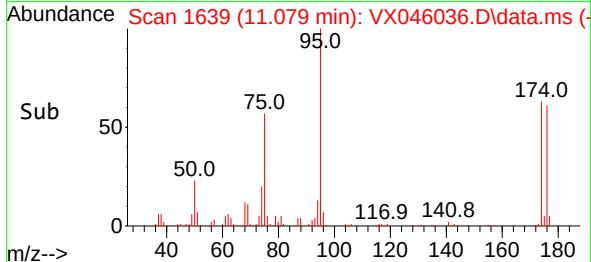
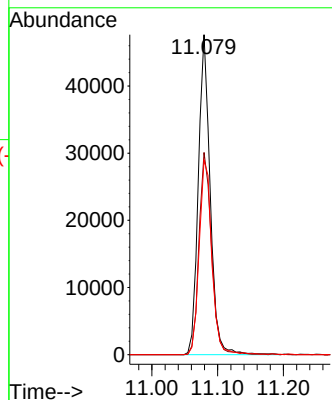
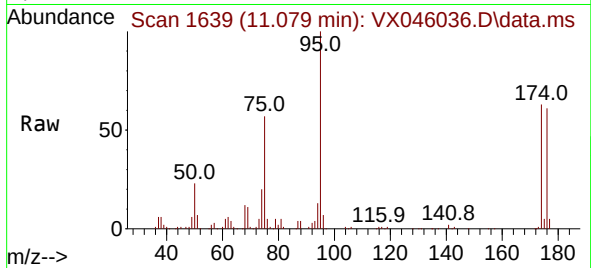




#62
4-Bromofluorobenzene
Concen: 52.970 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

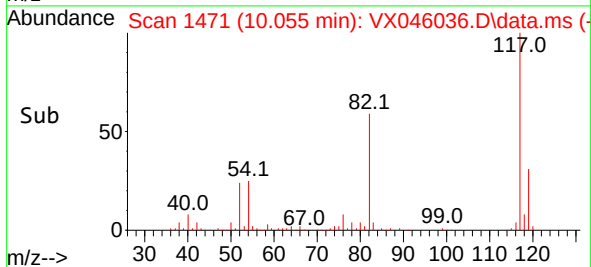
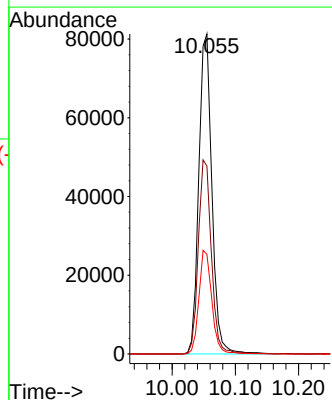
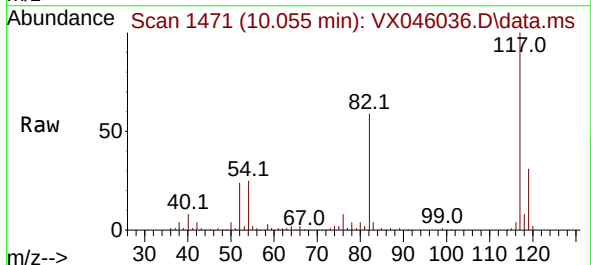
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

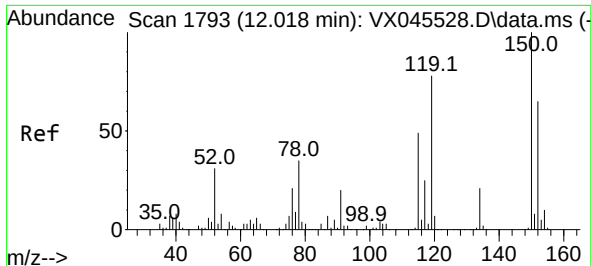
Tgt Ion: 95 Resp: 59544
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 117 Resp: 117490
Ion Ratio Lower Upper
117 100
82 58.7 49.2 73.8
119 31.1 25.1 37.7

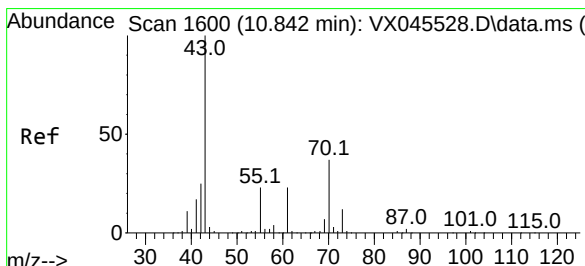
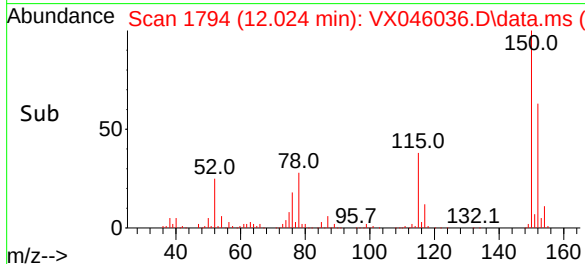
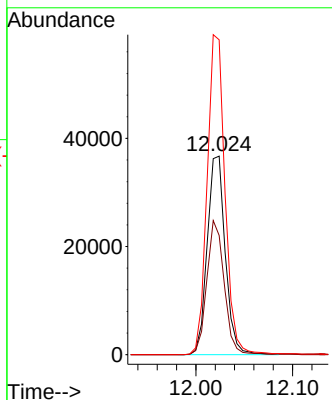
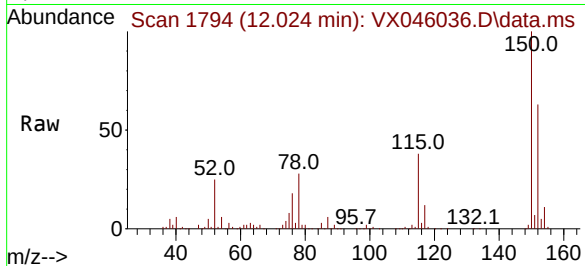




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

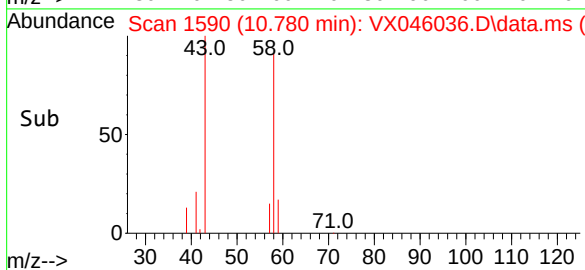
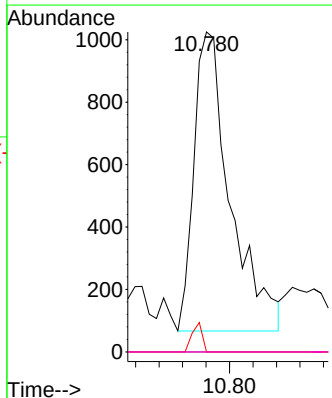
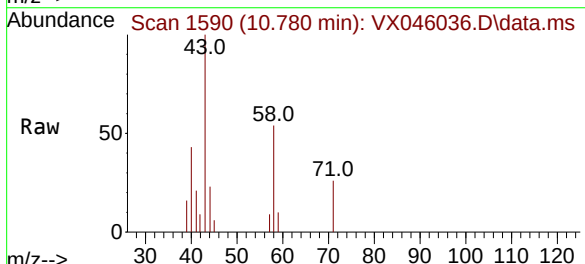
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

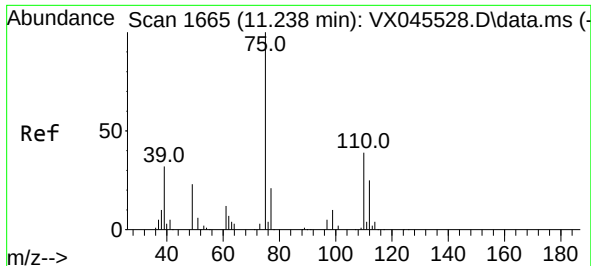
Tgt Ion:152 Resp: 47706
Ion Ratio Lower Upper
152 100
115 64.8 46.9 140.7
150 159.5 0.0 349.4



#74
N-ethyl acetate
Concen: 1.127 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 43 Resp: 2060
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 2.8 18.3 27.5#
61 0.0 17.5 26.3#

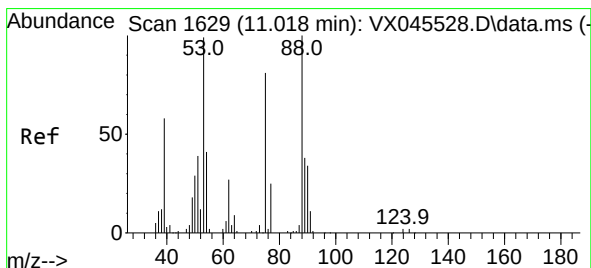
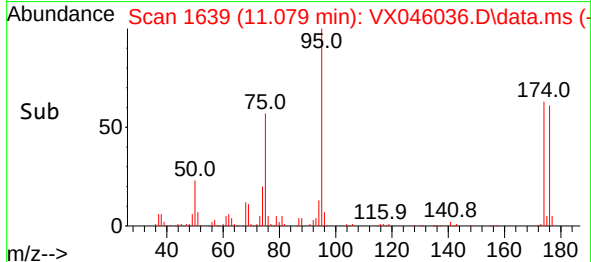
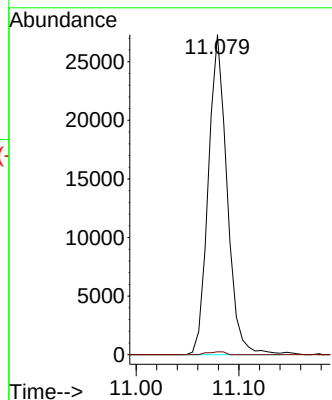
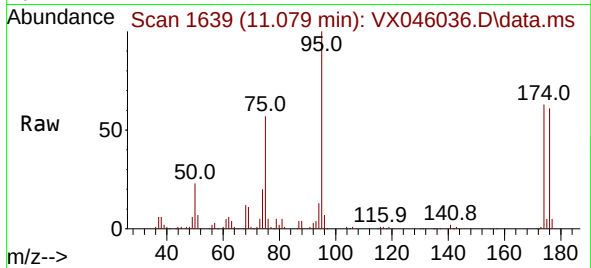




#76
1,2,3-Trichloropropane
Concen: 29.783 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

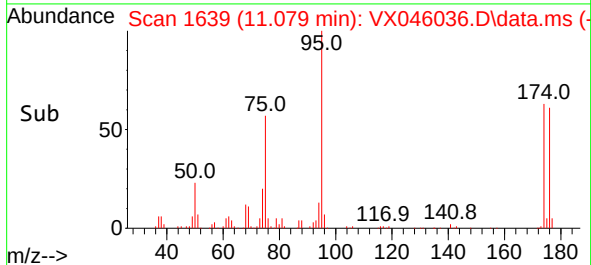
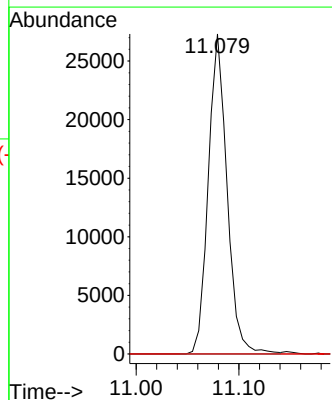
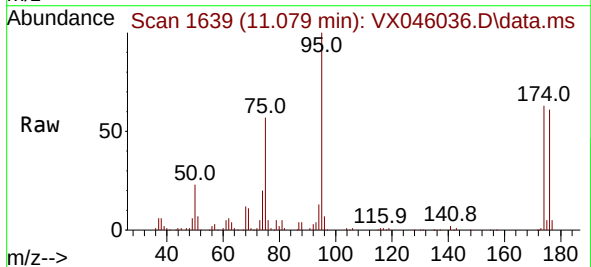
Instrument :
MSVOA_X
ClientSampleId :
PB167816TB

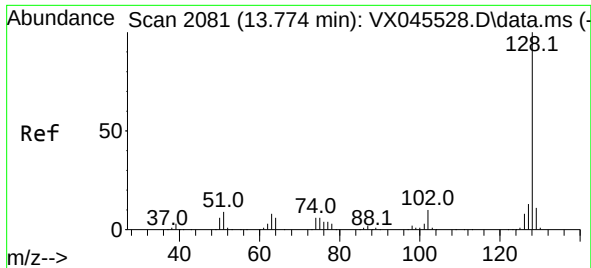
Tgt Ion: 75 Resp: 34657
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046036.D
Acq: 02 May 2025 18:32

Tgt Ion: 75 Resp: 34657
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.696 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046036.D

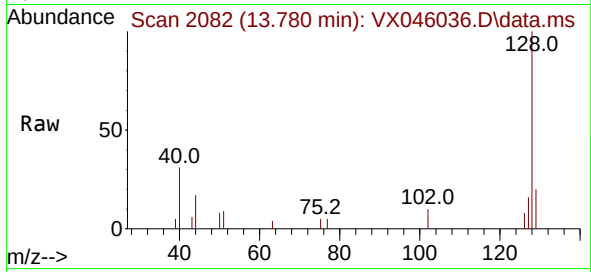
Acq: 02 May 2025 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB167816TB



Tgt Ion:	128	Resp:	2305
Ion	Ratio	Lower	Upper
128	100		
127	9.1	10.3	15.5#
129	12.1	8.6	12.8

