

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046217.D
 Acq On : 15 May 2025 16:31
 Operator : JC/MD
 Sample : Q2019-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:07:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

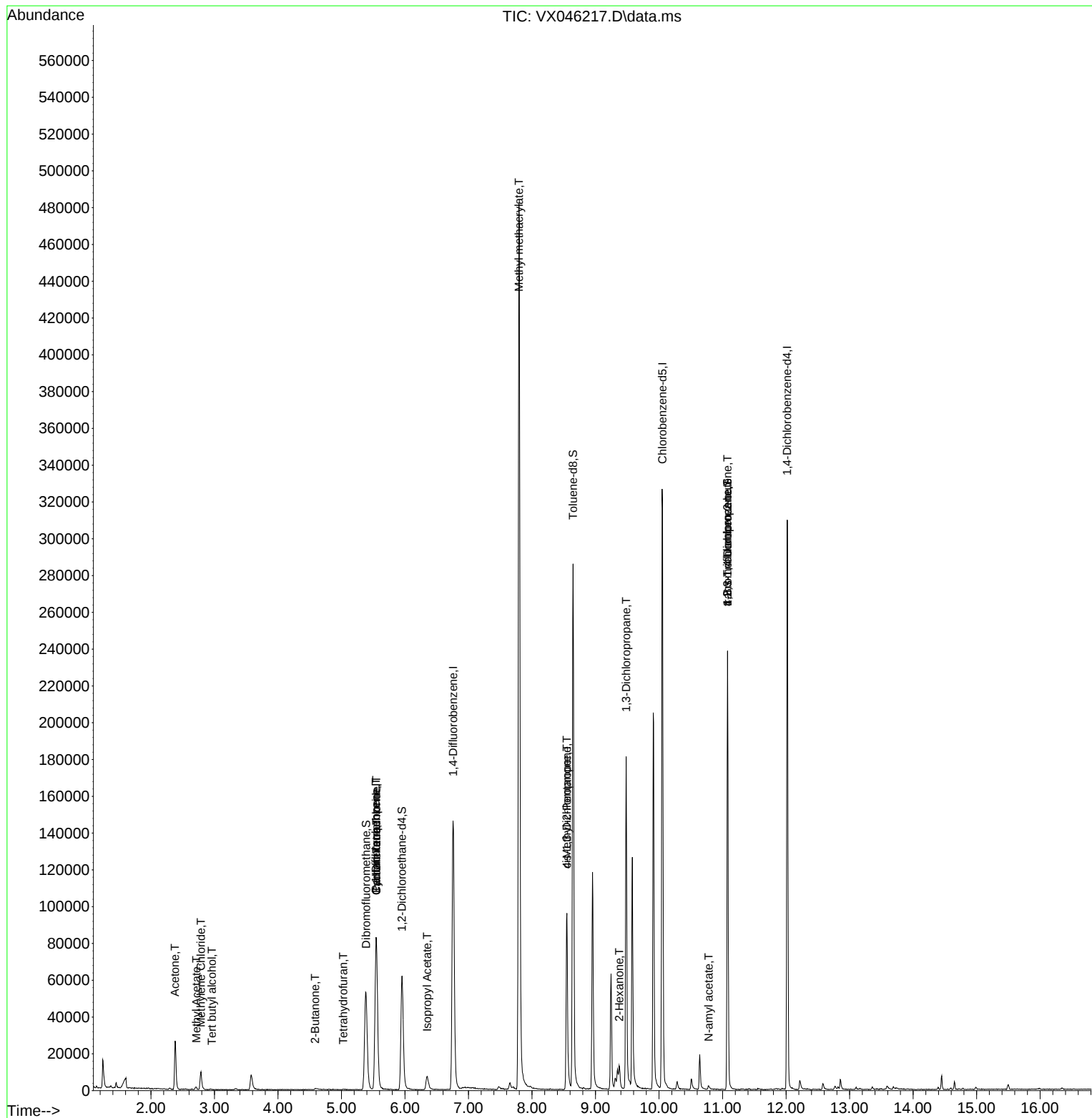
Internal Standards						
1) Pentafluorobenzene	5.543	168	71382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	135427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64021	48.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.220%		
35) Dibromofluoromethane	5.385	113	46971	46.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	8.647	98	162035	46.036	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.080%		
62) 4-Bromofluorobenzene	11.079	95	61789	45.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	99	0.530	ug/l #	72
16) Acetone	2.379	43	28981	54.314	ug/l	98
18) Methyl Acetate	2.715	43	1961	1.584	ug/l	94
20) Methylene Chloride	2.788	84	4262	4.168	ug/l	95
25) 2-Butanone	4.586	43	686	0.886	ug/l	95
29) Tetrahydrofuran	5.025	42	116	0.239	ug/l #	48
31) Cyclohexane	5.550	56	2064	1.301	ug/l #	32
36) 1,1-Dichloropropene	5.543	75	7050	5.160	ug/l #	52
38) Carbon Tetrachloride	5.550	117	8664	5.643	ug/l #	16
43) Isopropyl Acetate	6.348	43	11628	4.515	ug/l	95
48) Methyl methacrylate	7.793	41	49312	37.492	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37984	22.220	ug/l #	47
54) cis-1,3-Dichloropropene	8.549	75	14826	9.762	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1417	0.815	ug/l #	42
59) 2-Hexanone	9.372	43	11741	9.283	ug/l #	28
74) N-amyl acetate	10.780	43	1460	0.670	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	35008	25.691	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35008	83.642	ug/l #	1

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

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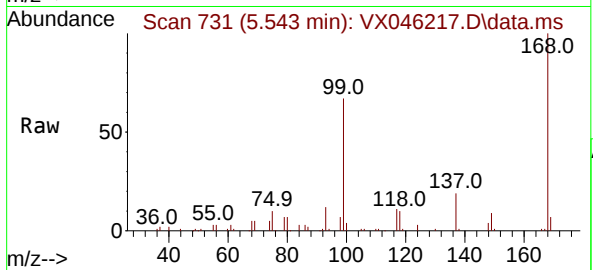
Quant Time: May 16 01:07:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



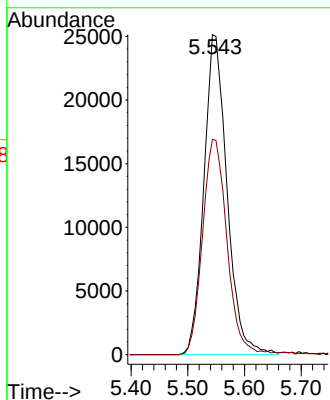
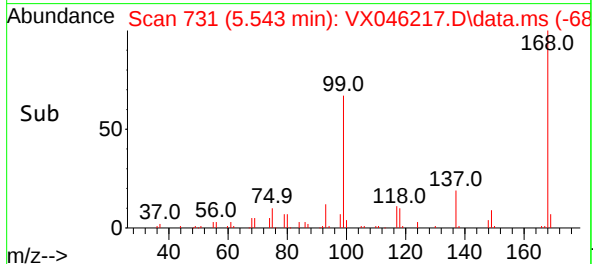


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :

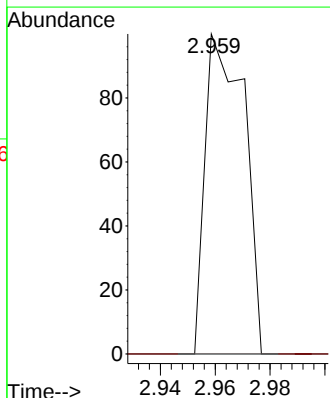
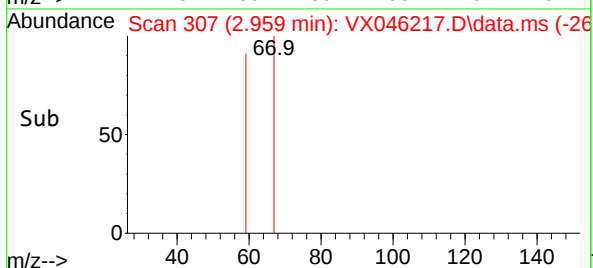
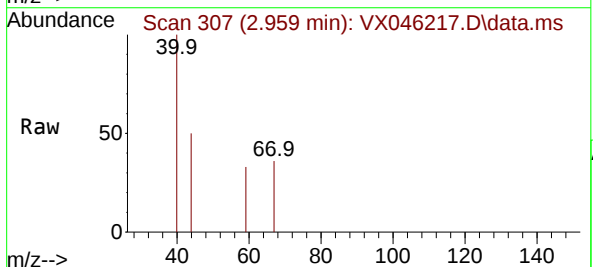


Tgt Ion:168 Resp: 71382
Ion Ratio Lower Upper
168 100
99 67.3 54.9 82.3



#11
Tert butyl alcohol
Concen: 0.530 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.019 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 59 Resp: 99
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

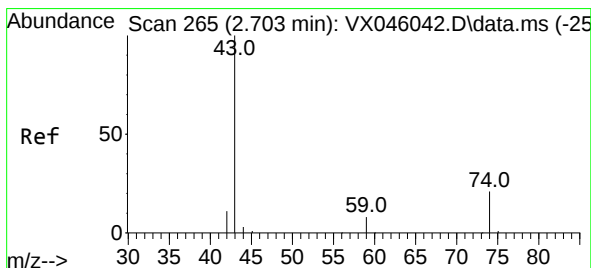
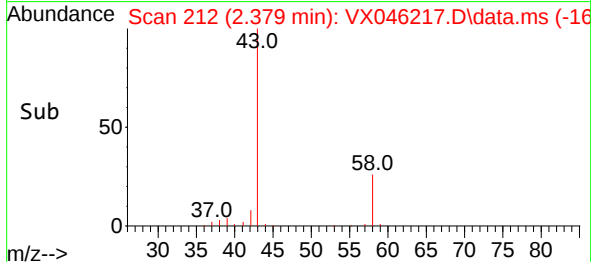
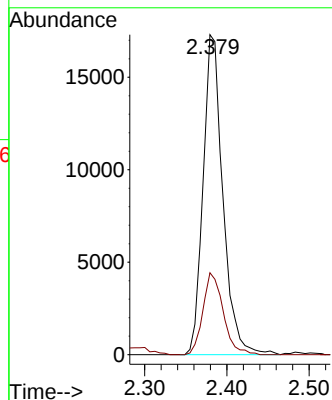
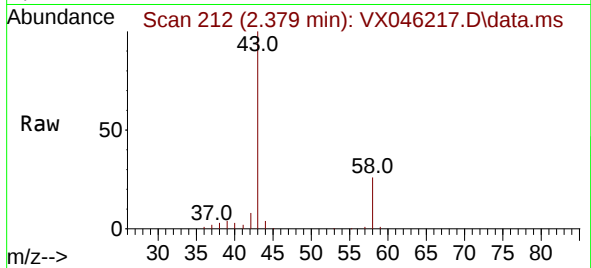




#16
Acetone
Concen: 54.314 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

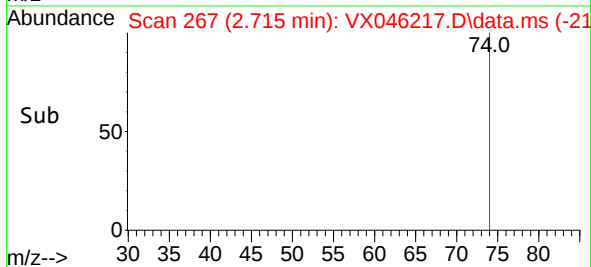
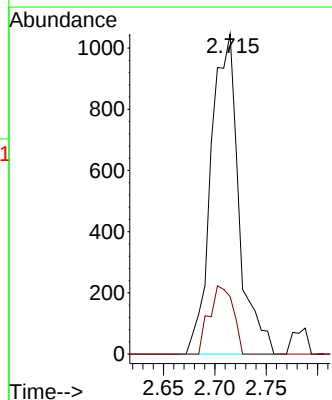
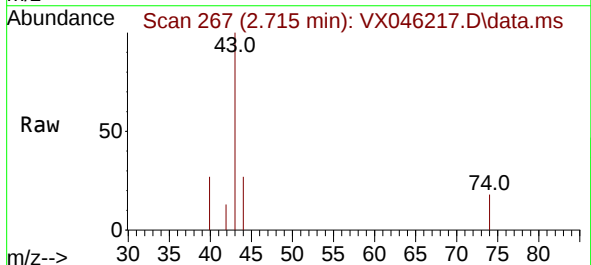
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 28981
Ion Ratio Lower Upper
43 100
58 25.6 21.2 31.8



#18
Methyl Acetate
Concen: 1.584 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

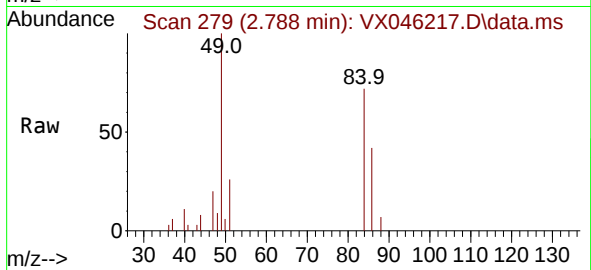
Tgt Ion: 43 Resp: 1961
Ion Ratio Lower Upper
43 100
74 18.3 16.7 25.1





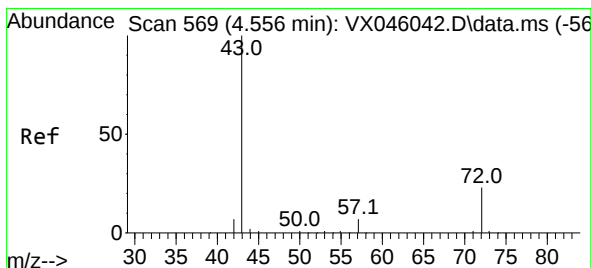
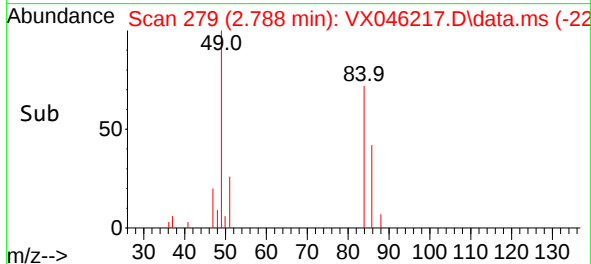
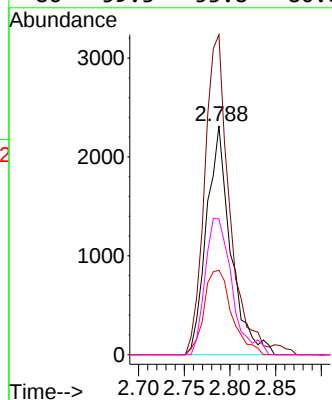
#20
Methylene Chloride
Concen: 4.168 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 4262

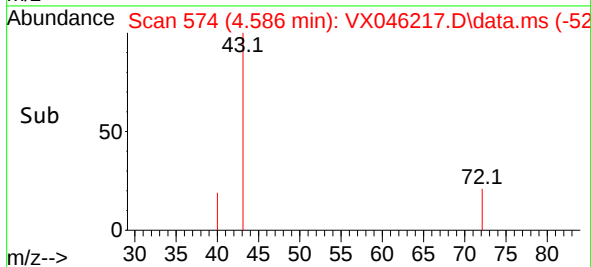
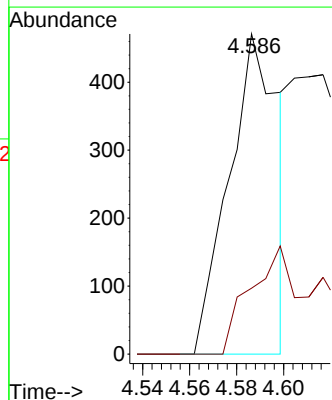
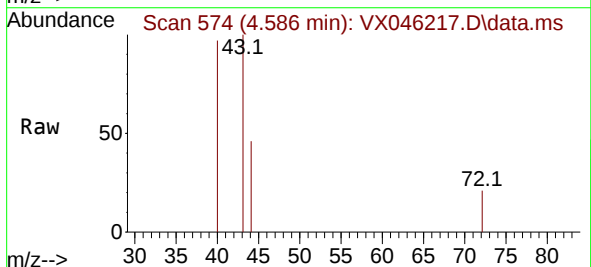
Ion	Ratio	Lower	Upper
84	100		
49	139.8	113.9	170.9
51	36.9	33.5	50.3
86	59.3	53.8	80.8

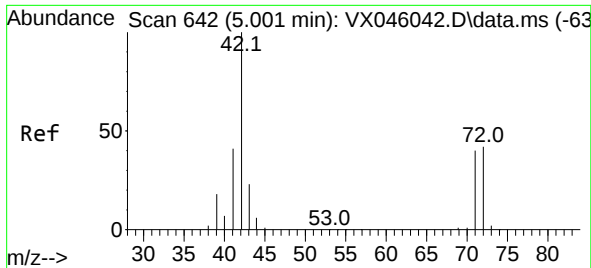


#25
2-Butanone
Concen: 0.886 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 43 Resp: 686

Ion	Ratio	Lower	Upper
43	100		
72	20.6	18.4	27.6





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX046217.D

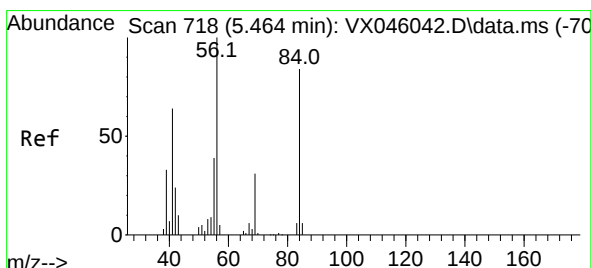
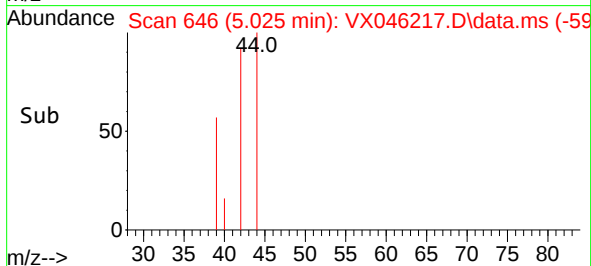
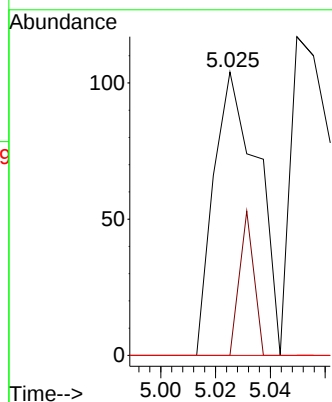
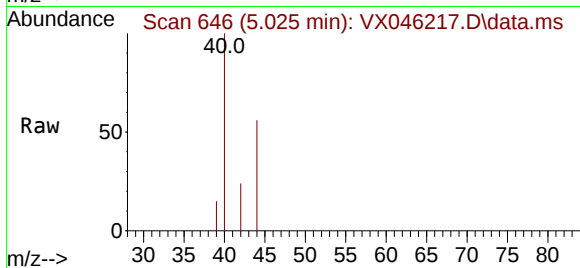
Acq: 15 May 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	116
Ion	Ratio	Lower	Upper
42	100		
72	16.4	33.7	50.5#
71	0.0	31.4	47.2#



#31

Cyclohexane

Concen: 1.301 ug/l

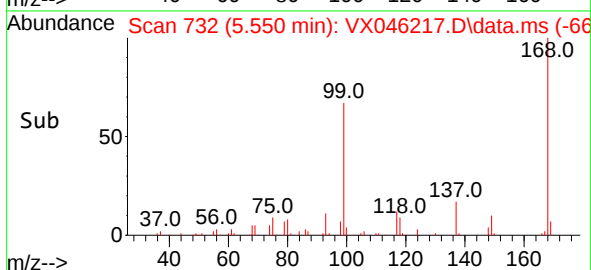
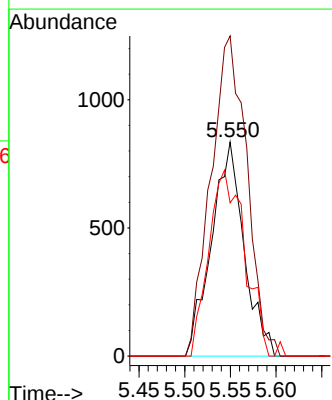
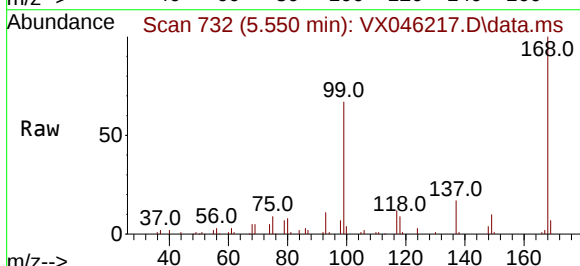
RT: 5.550 min Scan# 732

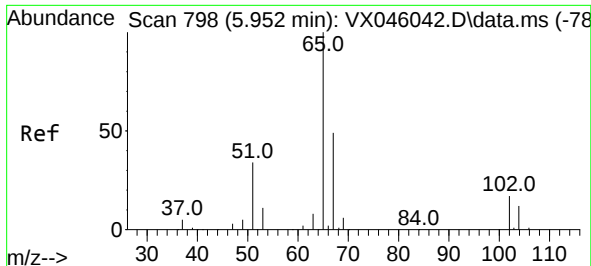
Delta R.T. 0.085 min

Lab File: VX046217.D

Acq: 15 May 2025 16:31

Tgt Ion:	56	Resp:	2064
Ion	Ratio	Lower	Upper
56	100		
69	149.6	24.4	36.6#
84	71.6	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 48.108 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046217.D

Acq: 15 May 2025 16:31

Instrument :

MSVOA_X

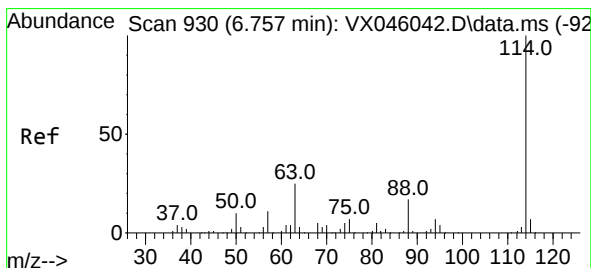
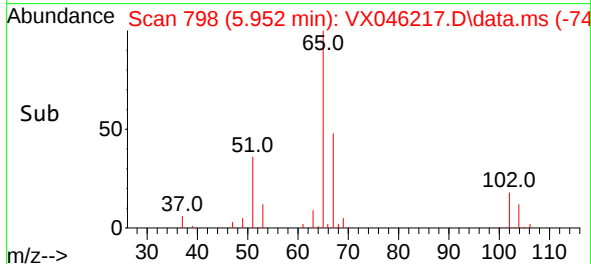
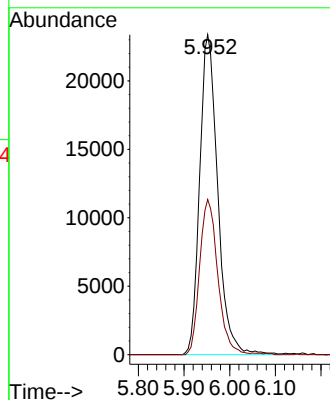
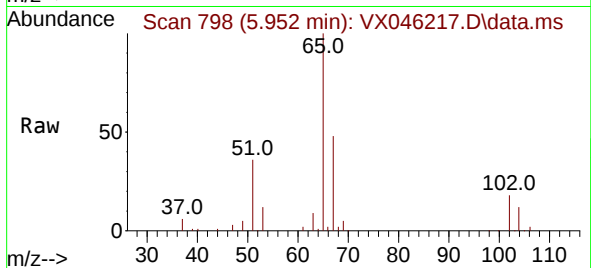
ClientSampleId :

Tgt Ion: 65 Resp: 64021

Ion Ratio Lower Upper

65 100

67 48.6 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: VX046217.D

Acq: 15 May 2025 16:31

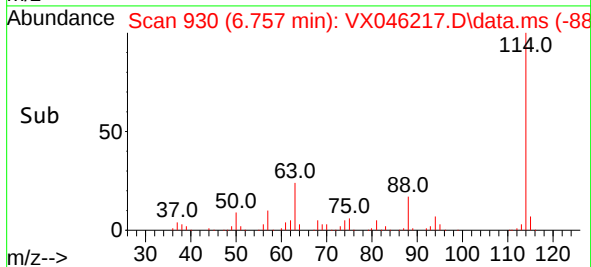
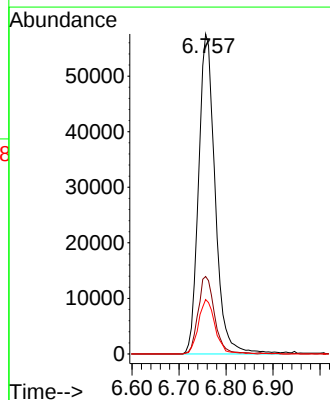
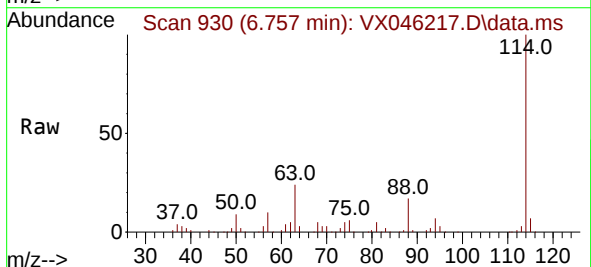
Tgt Ion: 114 Resp: 141221

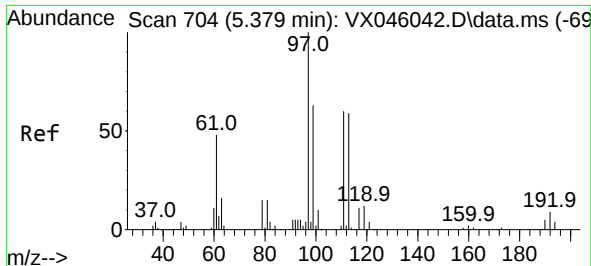
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 17.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 46.189 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

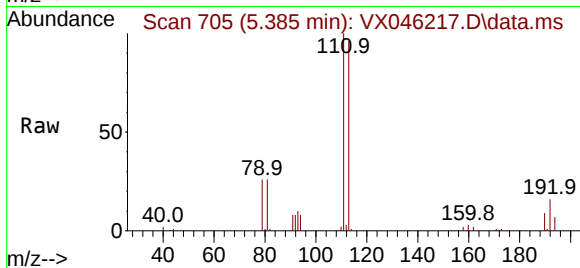
Lab File: VX046217.D

Acq: 15 May 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :



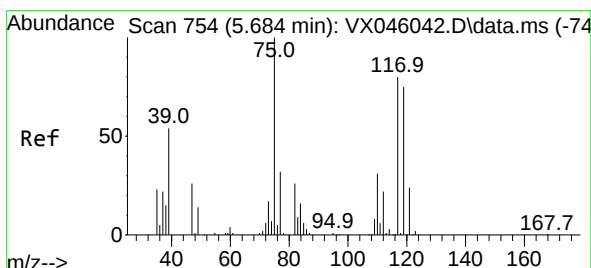
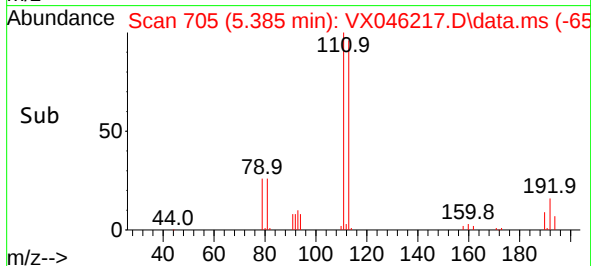
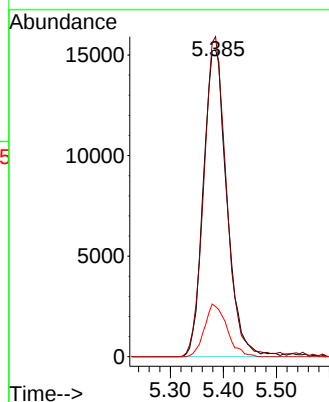
Tgt Ion:113 Resp: 46971

Ion Ratio Lower Upper

113 100

111 100.5 83.1 124.7

192 16.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX046217.D

Acq: 15 May 2025 16:31

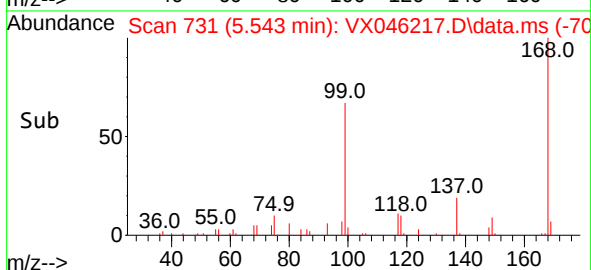
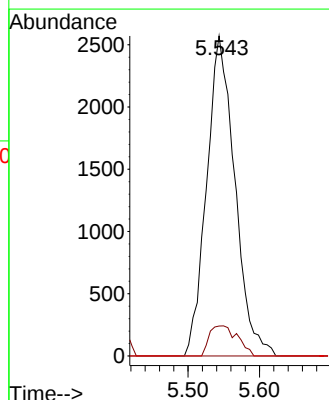
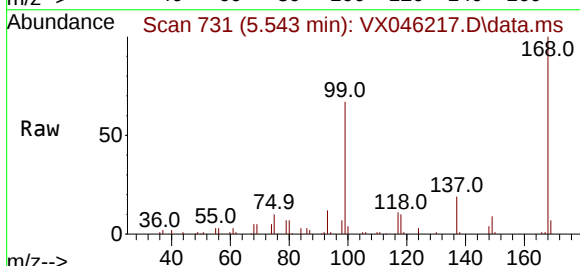
Tgt Ion: 75 Resp: 7050

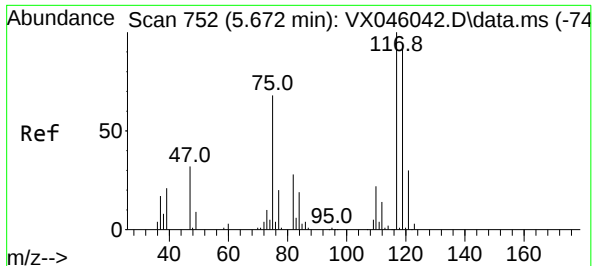
Ion Ratio Lower Upper

75 100

110 9.4 16.3 48.9#

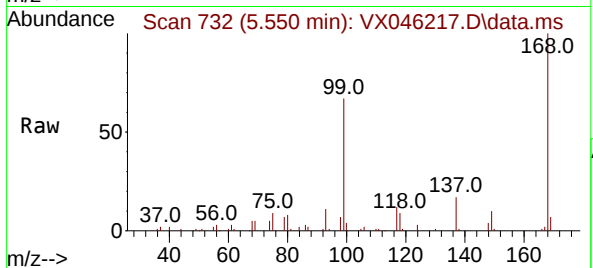
77 0.0 24.3 36.5#



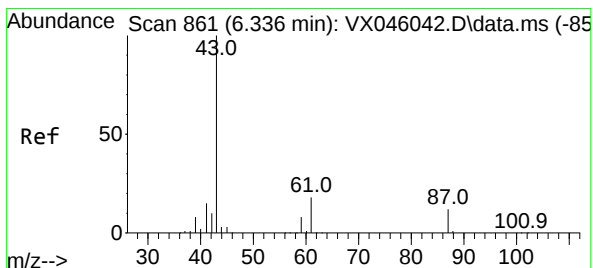
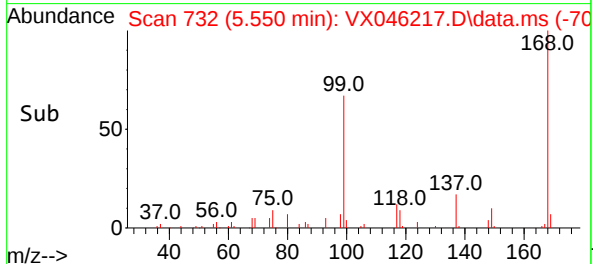
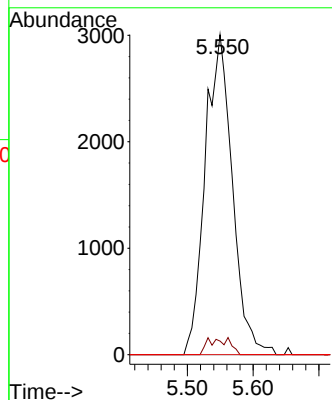


#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :

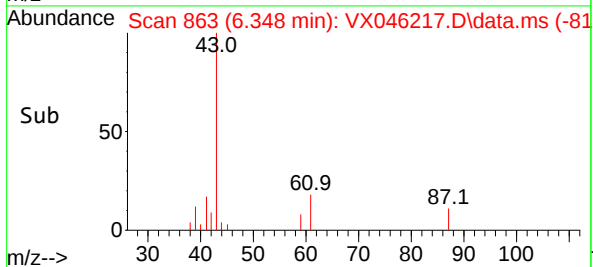
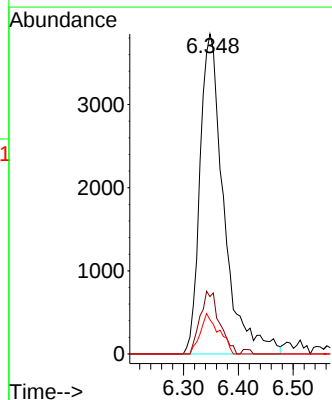
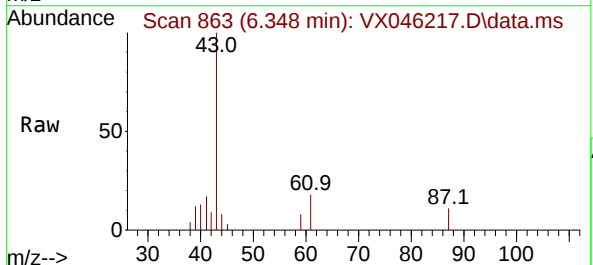


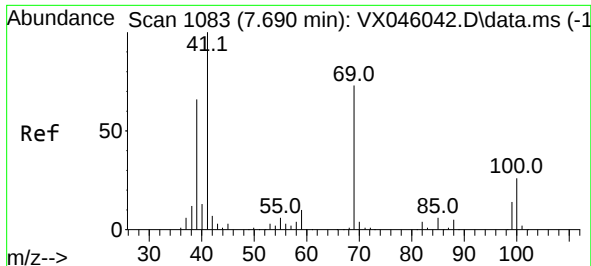
Tgt Ion:117 Resp: 8664
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 4.515 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 43 Resp: 11628
Ion Ratio Lower Upper
43 100
61 15.9 14.3 21.5
87 9.8 9.5 14.3

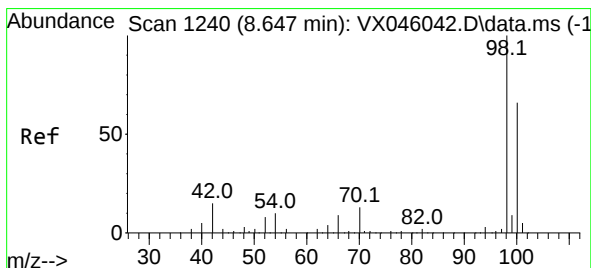
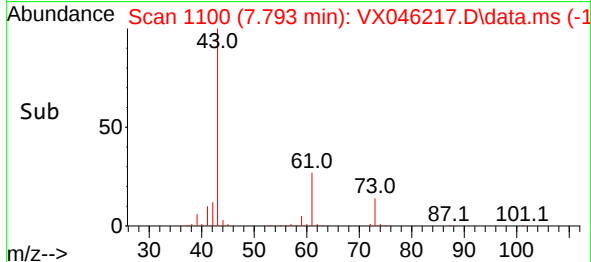
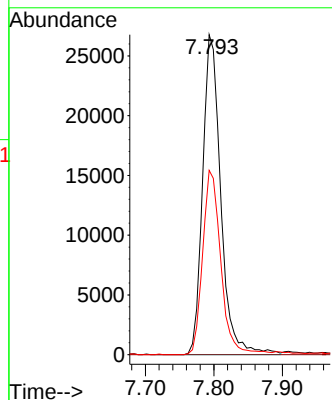
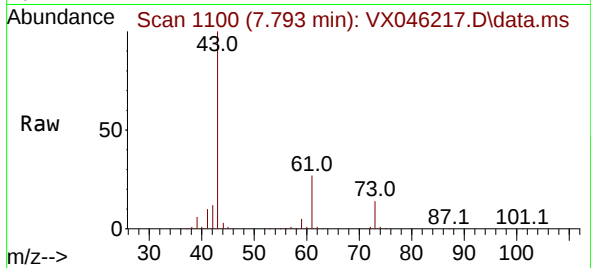




#48
Methyl methacrylate
Concen: 37.492 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

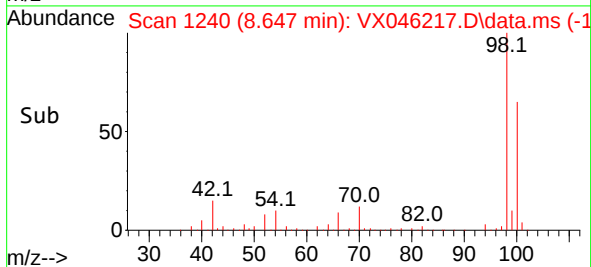
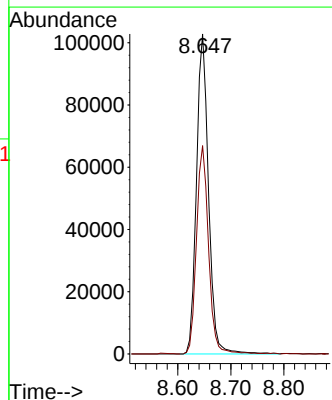
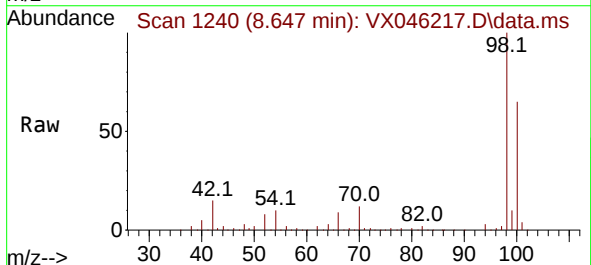
Instrument :
MSVOA_X
ClientSampleId :

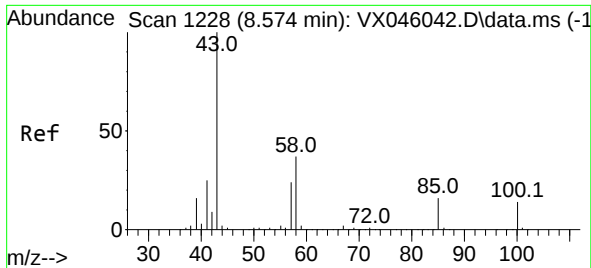
Tgt Ion: 41 Resp: 49312
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.9 51.7 77.5



#50
Toluene-d8
Concen: 46.036 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 98 Resp: 162035
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3

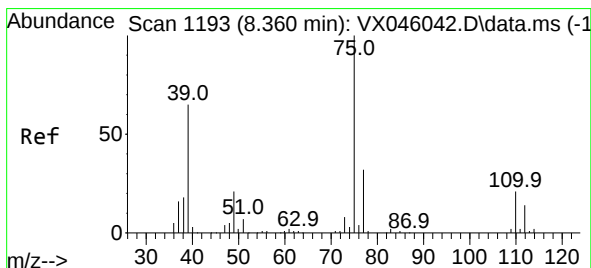
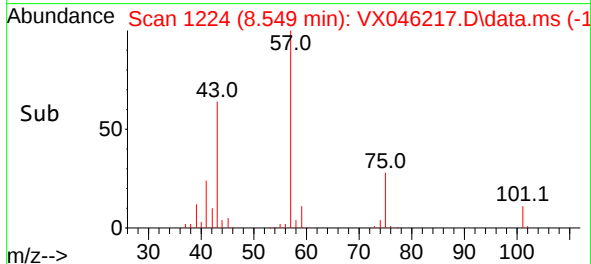
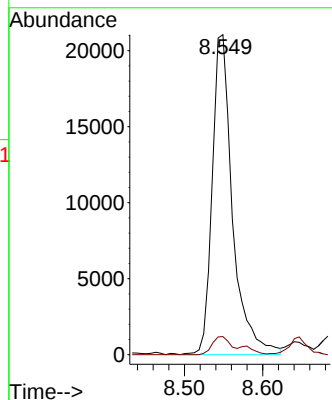
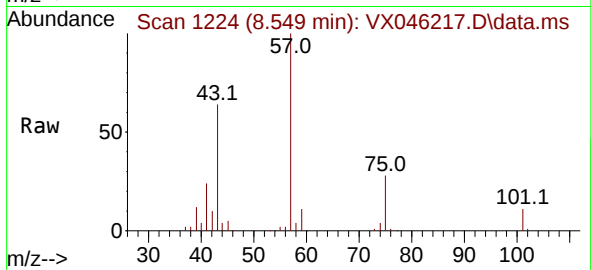




#51
4-Methyl-2-Pentanone
Concen: 22.220 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

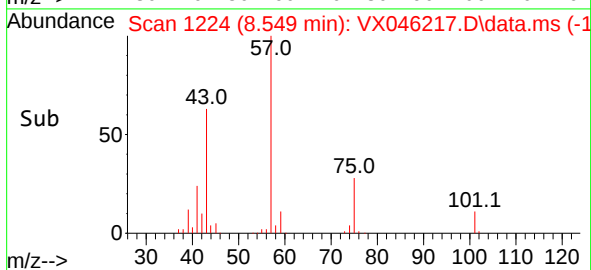
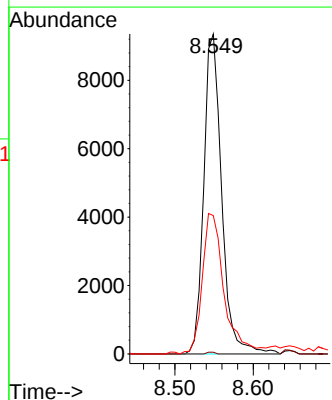
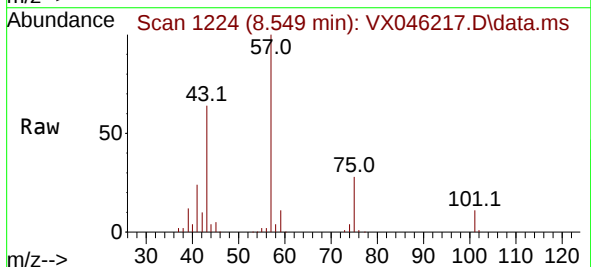
Instrument :
MSVOA_X
ClientSampleId :

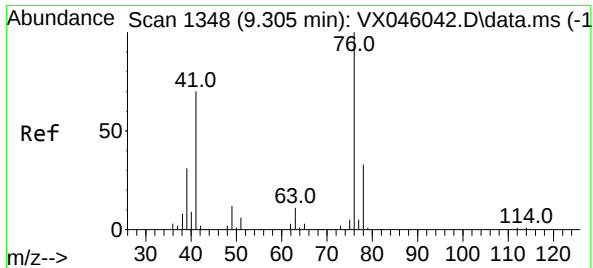
Tgt Ion: 43 Resp: 37984
Ion Ratio Lower Upper
43 100
58 5.2 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 9.762 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 75 Resp: 14826
Ion Ratio Lower Upper
75 100
77 0.5 25.4 38.0#
39 43.3 52.2 78.4#

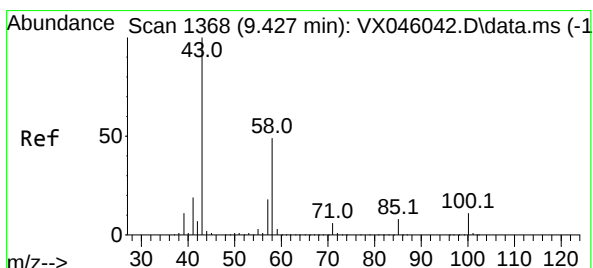
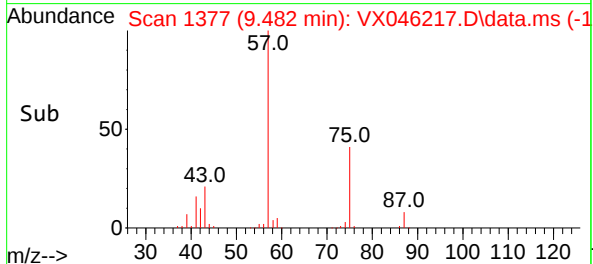
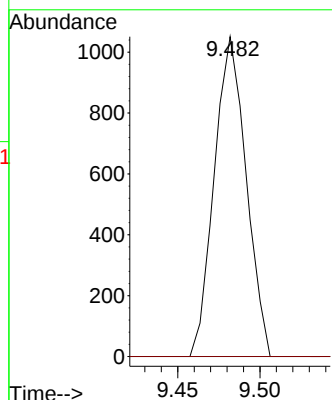
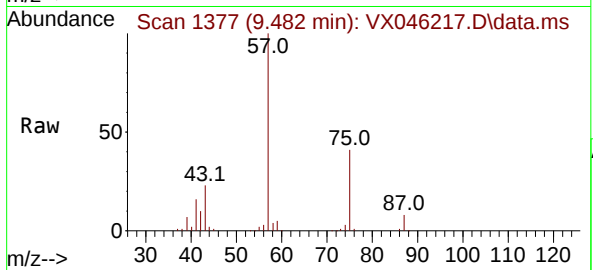




#57
1,3-Dichloropropane
Concen: 0.815 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

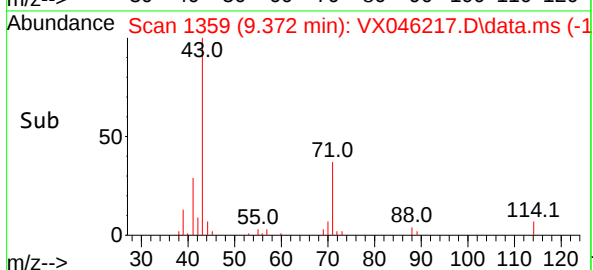
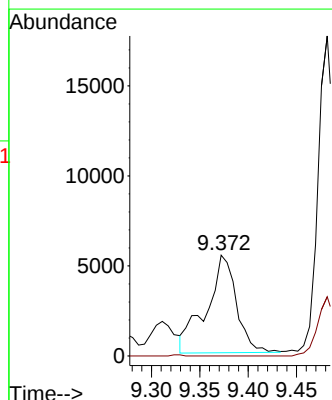
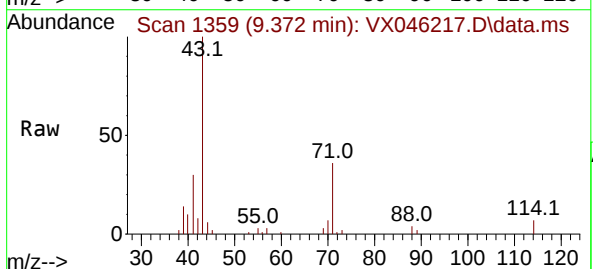
Instrument :
MSVOA_X
ClientSampleId :

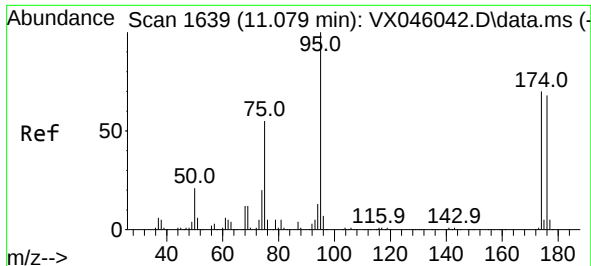
Tgt Ion: 76 Resp: 1417
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 9.283 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 43 Resp: 11741
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

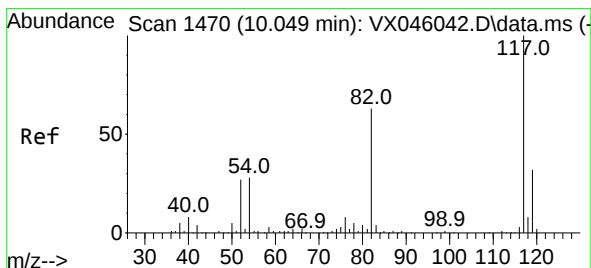
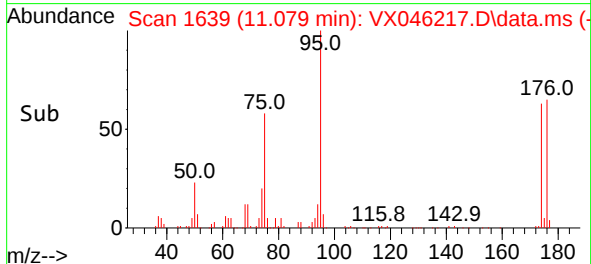
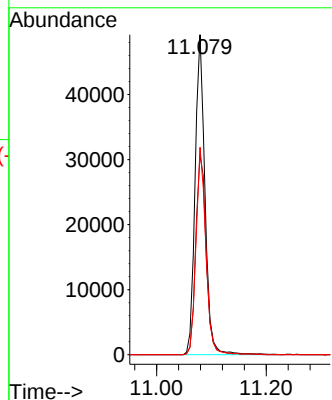
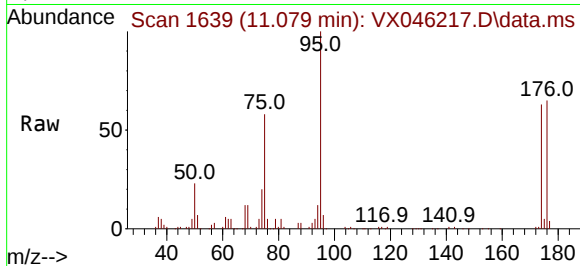




#62
4-Bromofluorobenzene
Concen: 45.765 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

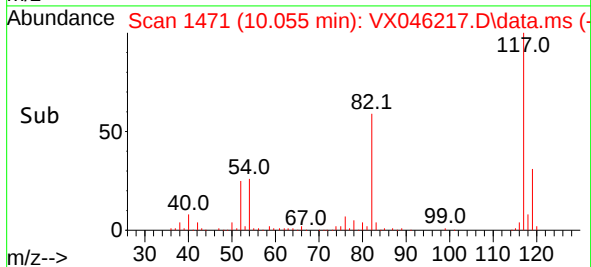
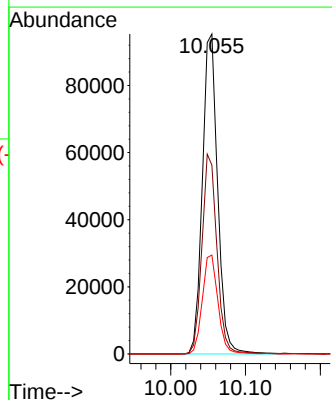
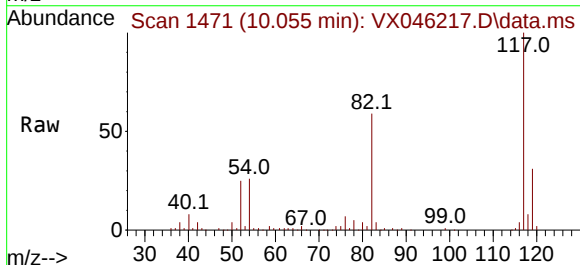
Instrument :
MSVOA_X
ClientSampleId :

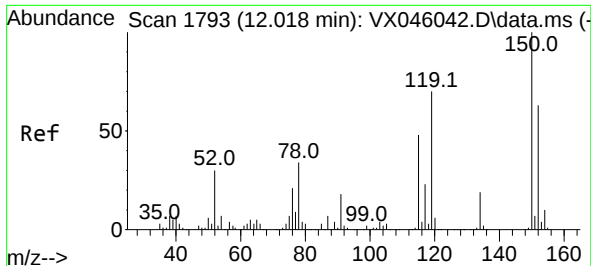
Tgt Ion: 95 Resp: 61789
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

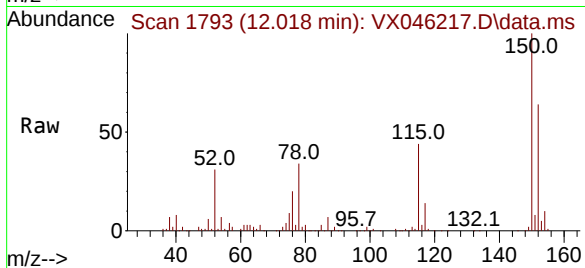
Tgt Ion: 117 Resp: 135427
Ion Ratio Lower Upper
117 100
82 59.0 50.6 76.0
119 30.9 25.8 38.6



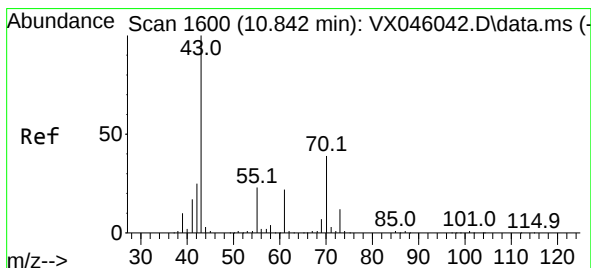
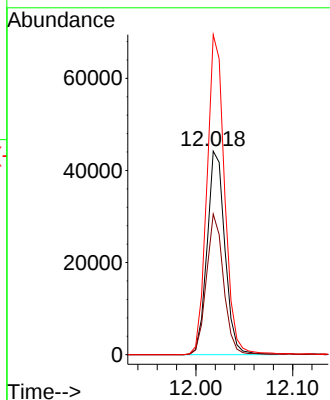
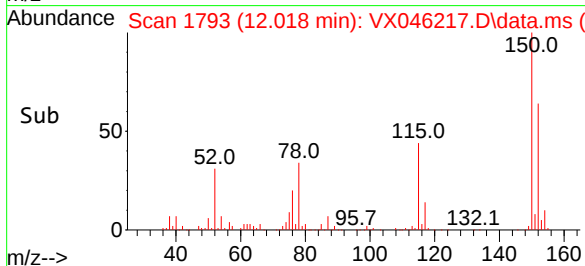


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

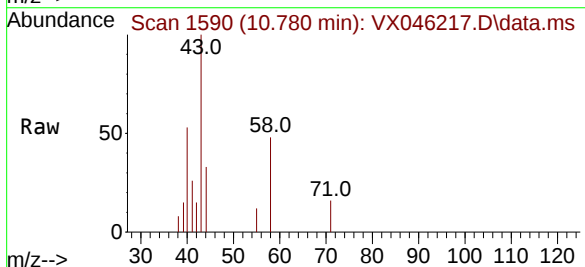
Instrument :
MSVOA_X
ClientSampleId :



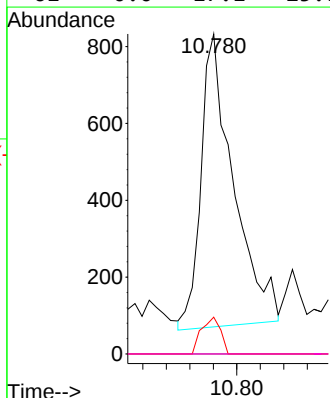
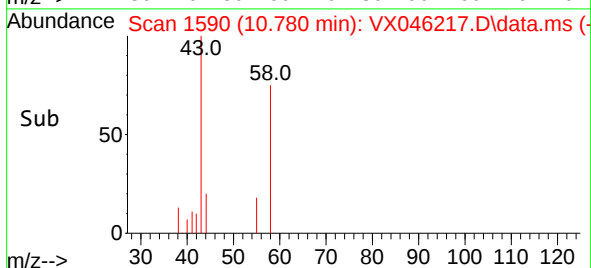
Tgt Ion:152 Resp: 56611
Ion Ratio Lower Upper
152 100
115 66.6 46.9 140.7
150 156.8 0.0 351.0

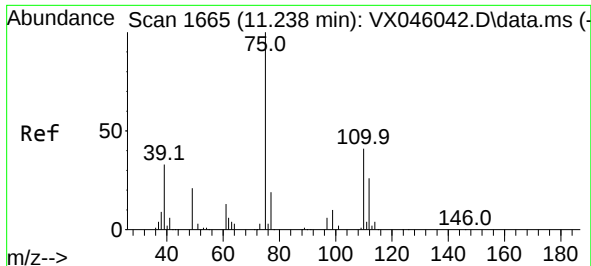


#74
N-ethyl acetate
Concen: 0.670 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31



Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 7.4 18.7 28.1#
61 0.0 17.1 25.7#

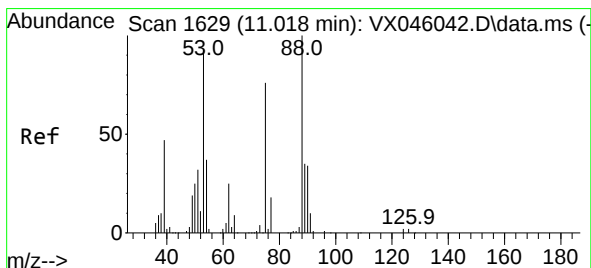
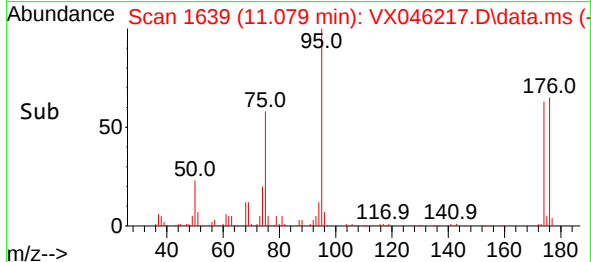
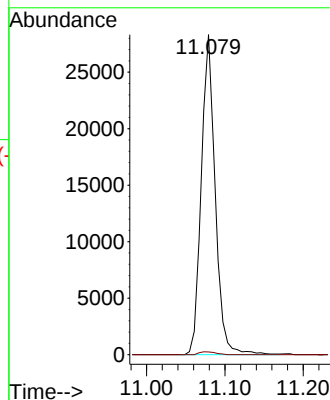
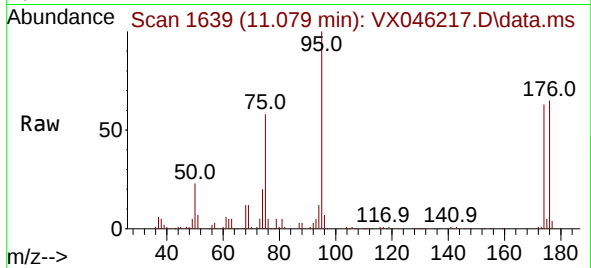




#76
1,2,3-Trichloropropane
Concen: 25.691 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 35008
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.642 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046217.D
Acq: 15 May 2025 16:31

Tgt Ion: 75 Resp: 35008
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

