

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051225\
 Data File : VX046148.D
 Acq On : 12 May 2025 19:02
 Operator : JC/MD
 Sample : Q2004-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 205510

Quant Time: May 13 03:23:02 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)

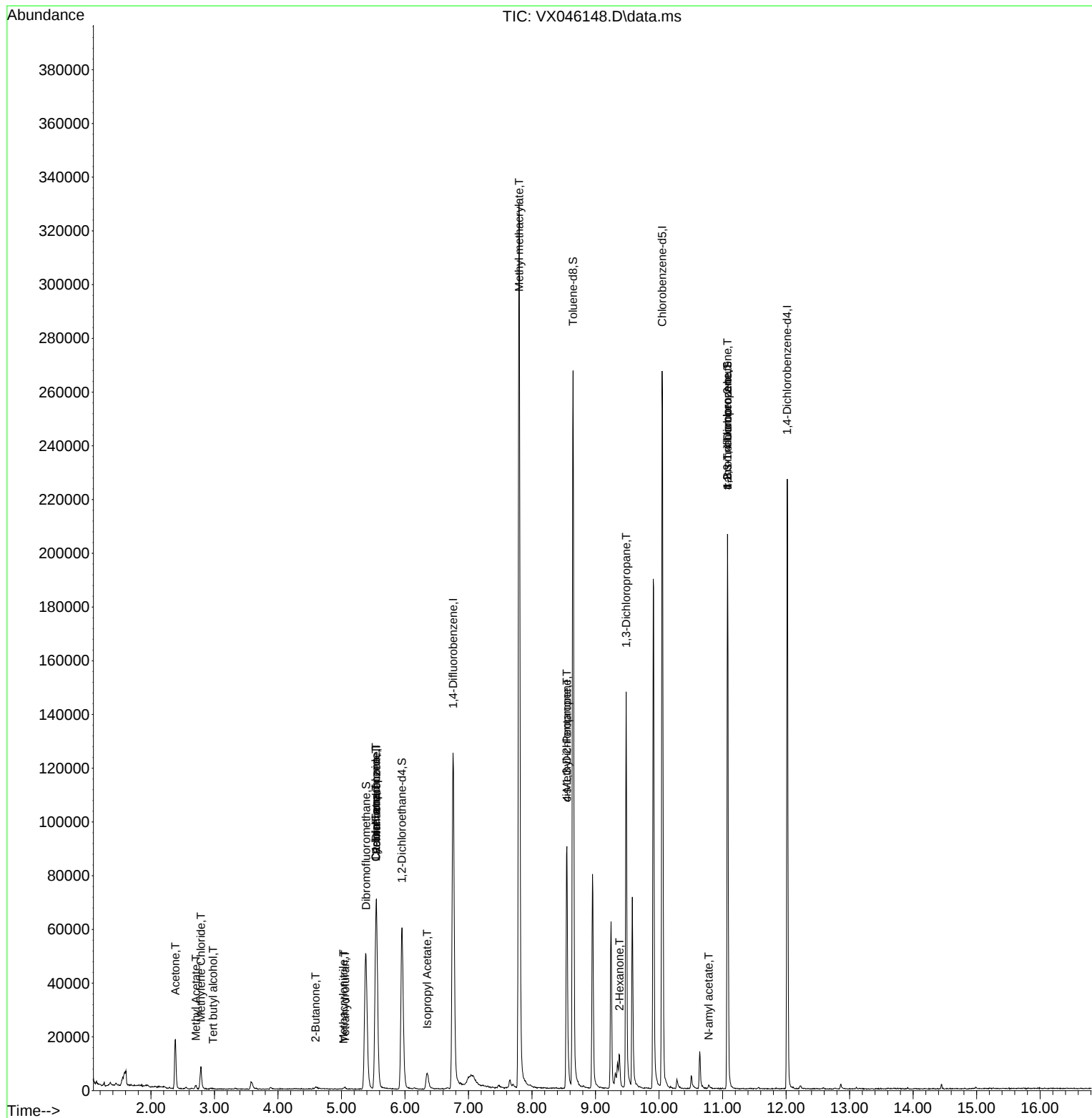
Internal Standards						
1) Pentafluorobenzene	5.550	168	60011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119382	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	112283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	41868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60848	54.387	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 108.780%		
35) Dibromofluoromethane	5.385	113	44261	51.486	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.980%		
50) Toluene-d8	8.647	98	152762	51.341	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.680%		
62) 4-Bromofluorobenzene	11.079	95	55418	48.555	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 97.120%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	274	1.745	ug/l #	72
16) Acetone	2.386	43	20108	44.825	ug/l	96
18) Methyl Acetate	2.709	43	1746	1.677	ug/l	97
20) Methylene Chloride	2.788	84	3494	4.065	ug/l	92
25) 2-Butanone	4.593	43	2103	3.229	ug/l	95
29) Tetrahydrofuran	5.056	42	522	1.279	ug/l #	41
31) Cyclohexane	5.544	56	1642	1.232	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	5797	5.019	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7294	5.620	ug/l #	18
41) Methacrylonitrile	5.032	41	172	0.230	ug/l #	28
43) Isopropyl Acetate	6.348	43	9769	4.487	ug/l #	95
48) Methyl methacrylate	7.799	41	33394	30.034	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	35929	24.862	ug/l #	53
54) cis-1,3-Dichloropropene	8.549	75	13834	10.775	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	1209	0.823	ug/l #	42
59) 2-Hexanone	9.378	43	11971	11.197	ug/l #	28
74) N-amyl acetate	10.781	43	1170	0.726	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	30544	30.308	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30544	98.674	ug/l #	1

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

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Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

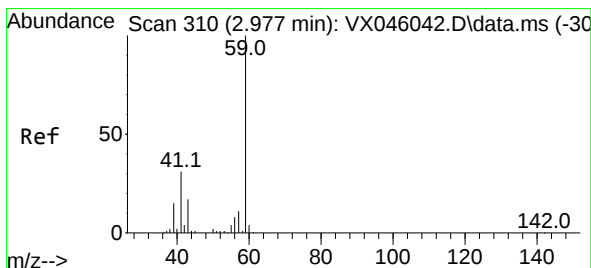
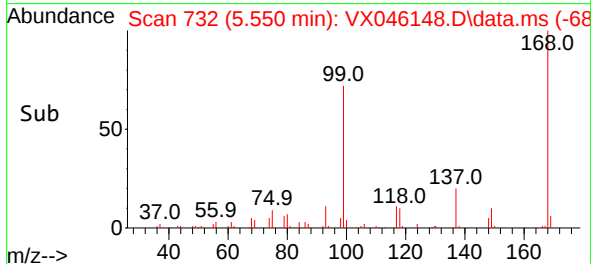
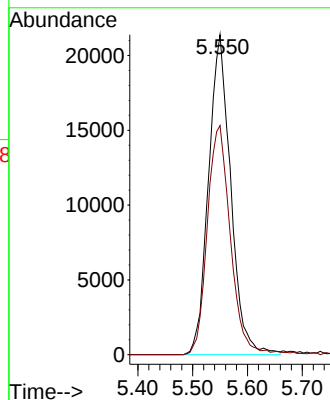
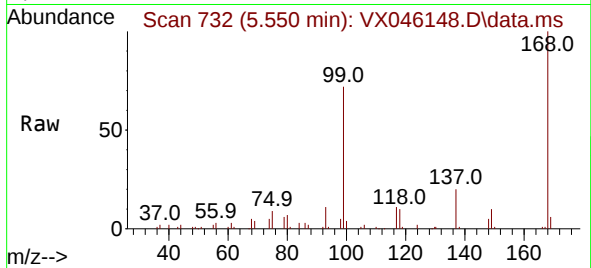




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

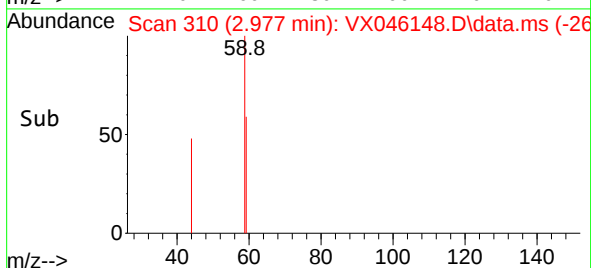
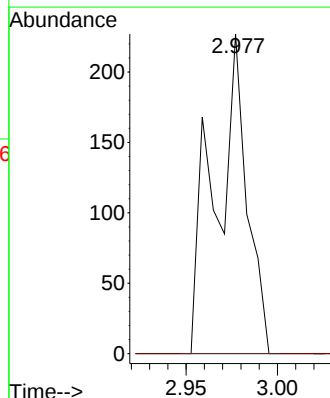
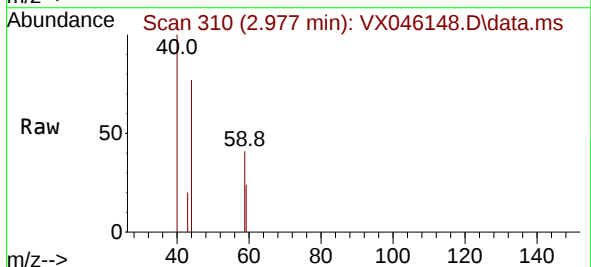
Instrument :
MSVOA_X
ClientSampleId :
205510

Tgt Ion:168 Resp: 60011
Ion Ratio Lower Upper
168 100
99 71.6 54.9 82.3



#11
Tert butyl alcohol
Concen: 1.745 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 59 Resp: 274
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

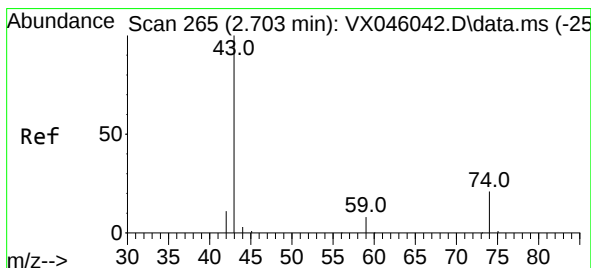
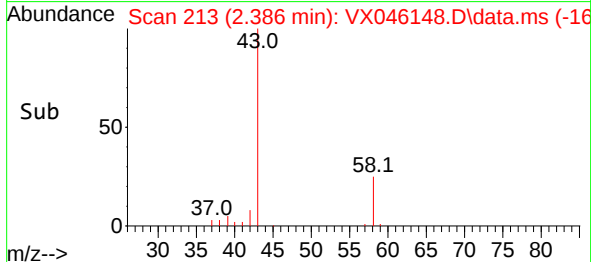
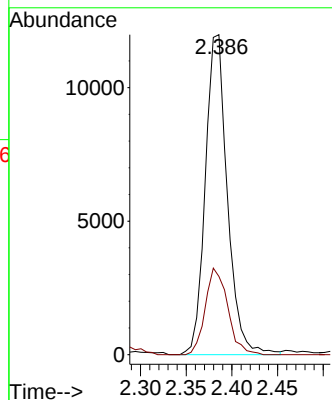
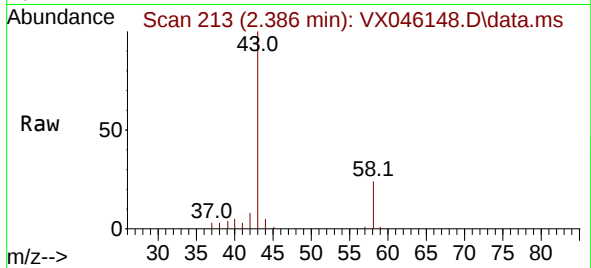




#16
Acetone
Concen: 44.825 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

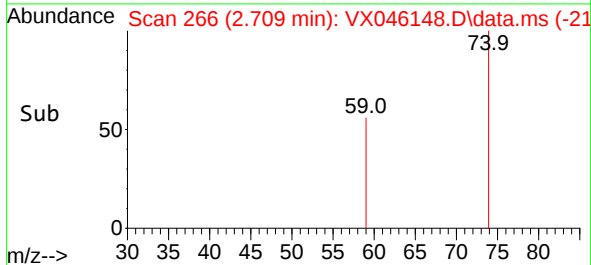
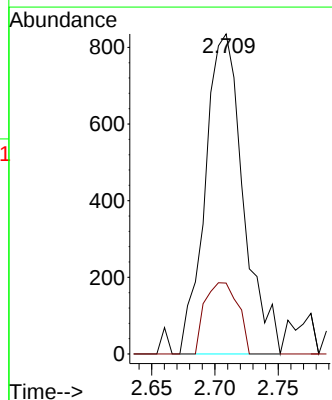
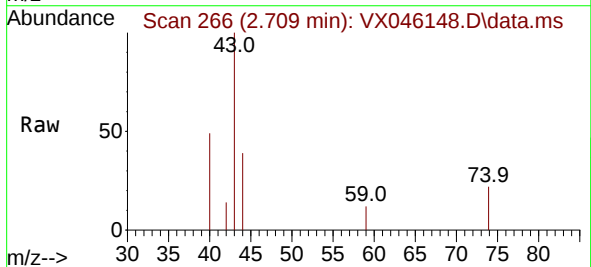
Instrument :
MSVOA_X
ClientSampleId :
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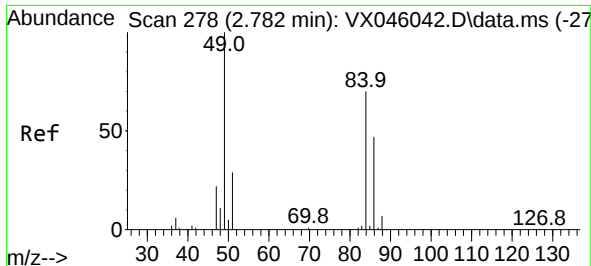
Tgt Ion: 43 Resp: 20108
Ion Ratio Lower Upper
43 100
58 24.5 21.2 31.8



#18
Methyl Acetate
Concen: 1.677 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
74 19.4 16.7 25.1

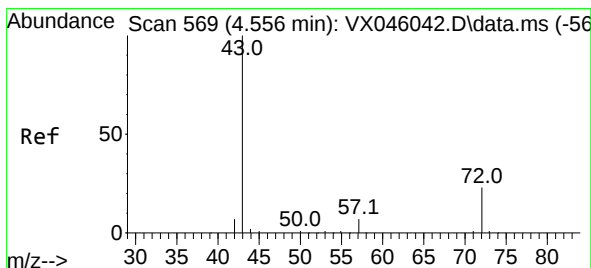
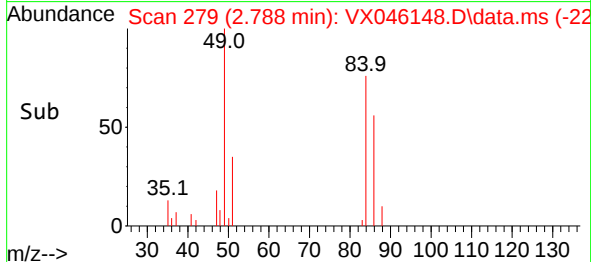
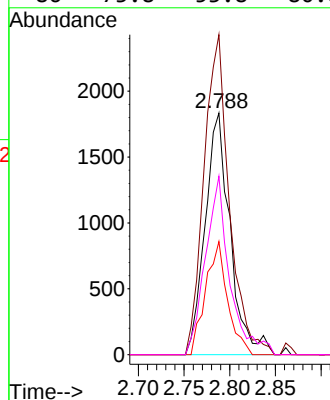
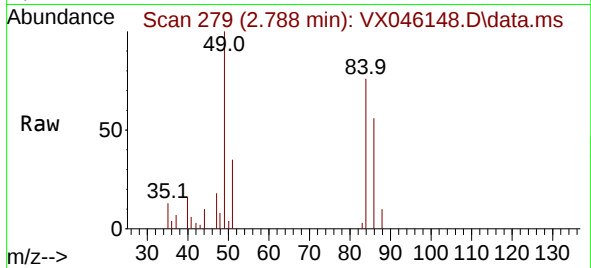




#20
Methylene Chloride
Concen: 4.065 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

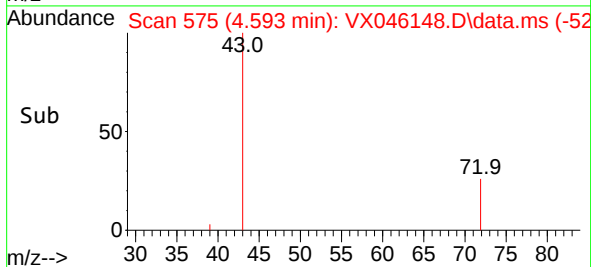
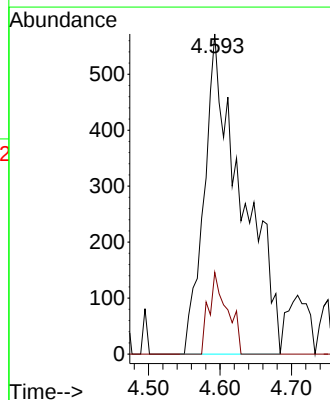
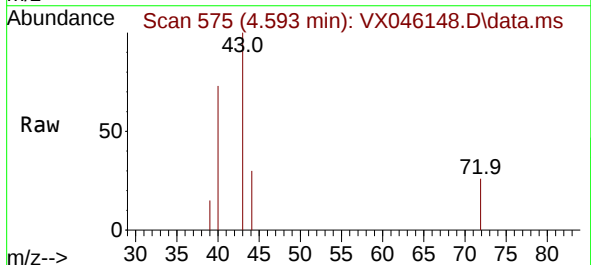
Instrument :
MSVOA_X
ClientSampleId :
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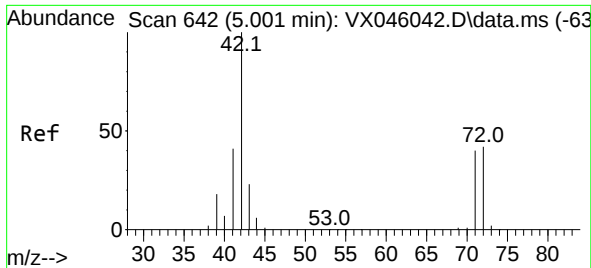
Tgt Ion:	84	Resp:	3494
Ion	Ratio	Lower	Upper
84	100		
49	132.4	113.9	170.9
51	46.8	33.5	50.3
86	73.8	53.8	80.8



#25
2-Butanone
Concen: 3.229 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion:	43	Resp:	2103
Ion	Ratio	Lower	Upper
43	100		
72	25.5	18.4	27.6

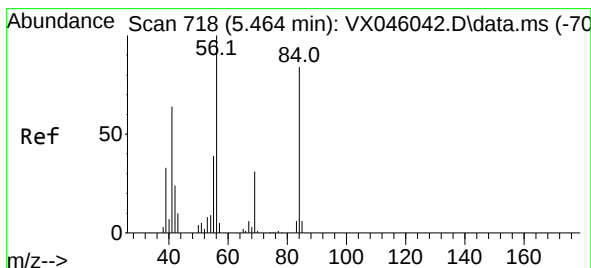
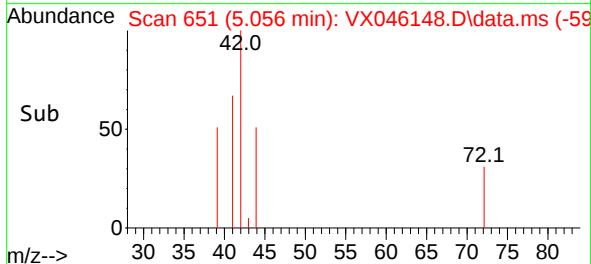
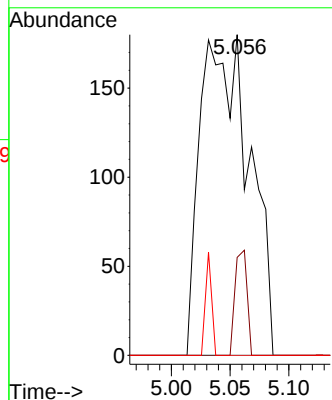
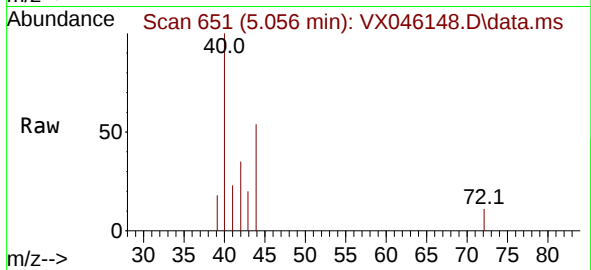




#29
Tetrahydrofuran
Concen: 1.279 ug/l
RT: 5.056 min Scan# 611
Delta R.T. 0.055 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

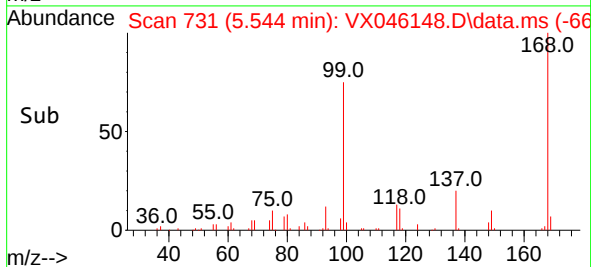
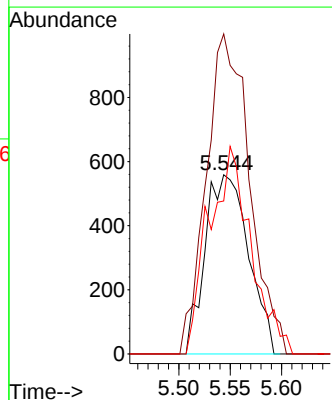
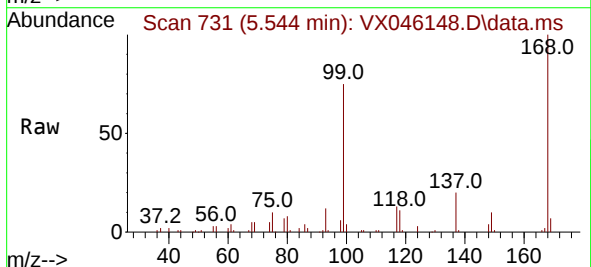
Instrument :
MSVOA_X
ClientSampleId :
205510

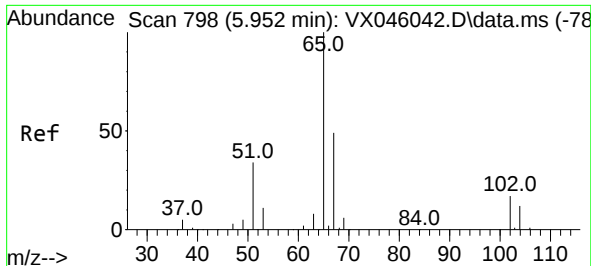
Tgt Ion: 42 Resp: 522
Ion Ratio Lower Upper
42 100
72 8.0 33.7 50.5#
71 0.0 31.4 47.2#



#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 56 Resp: 1642
Ion Ratio Lower Upper
56 100
69 178.5 24.4 36.6#
84 85.3 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.387 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046148.D

Acq: 12 May 2025 19:02

Instrument :

MSVOA_X

ClientSampleId :

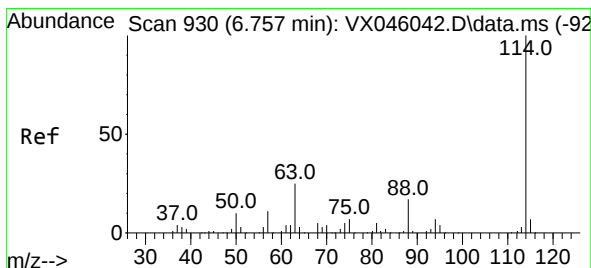
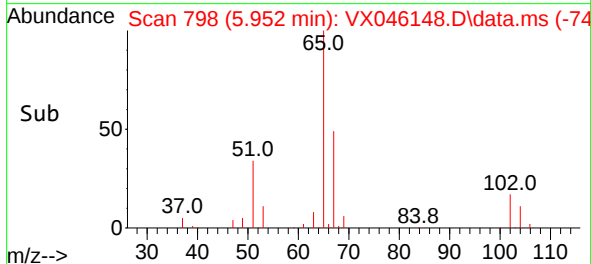
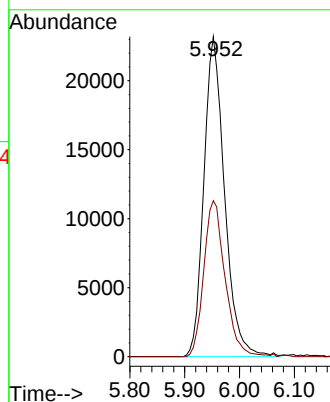
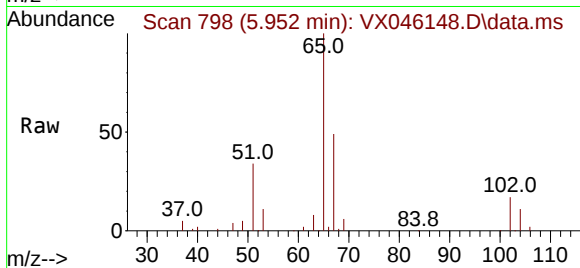
205510

Tgt Ion: 65 Resp: 60848

Ion Ratio Lower Upper

65 100

67 50.1 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: VX046148.D

Acq: 12 May 2025 19:02

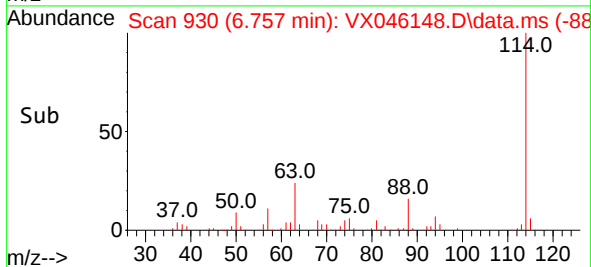
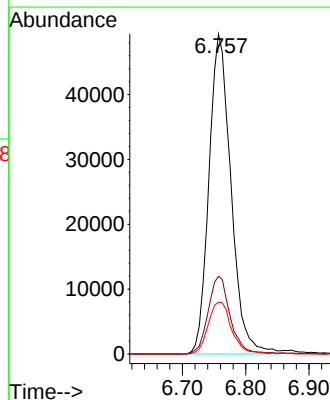
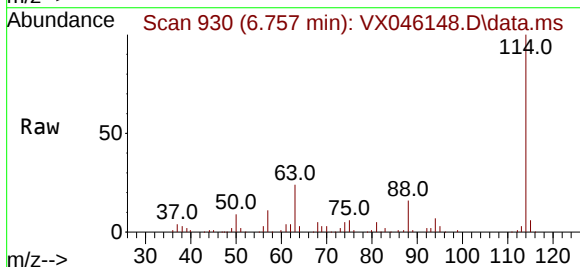
Tgt Ion: 114 Resp: 119382

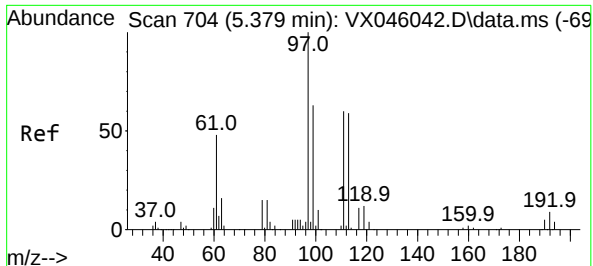
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 16.2 0.0 33.6

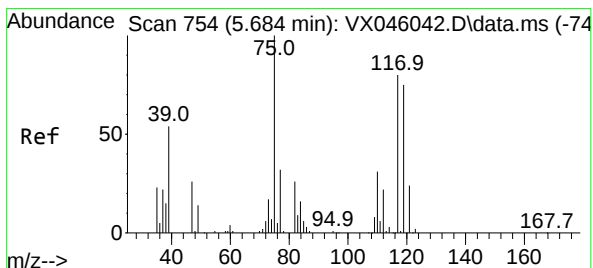
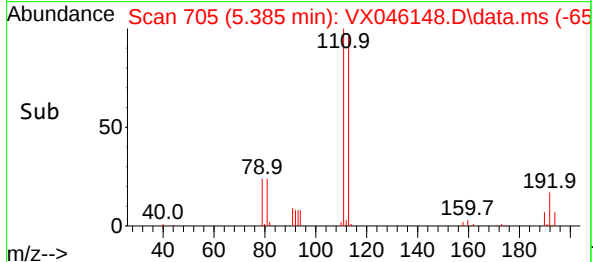
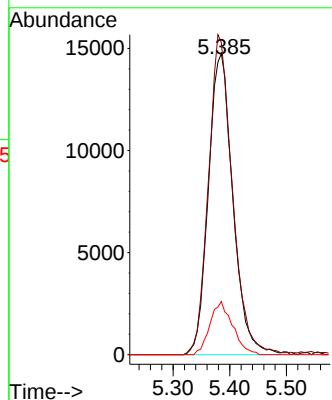
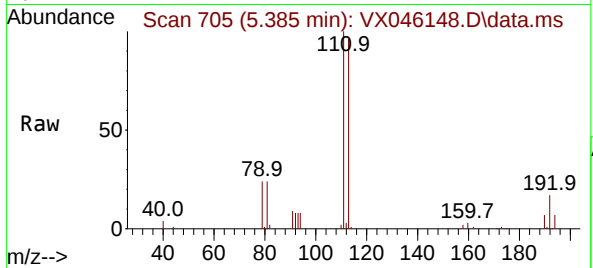




#35
Dibromofluoromethane
Concen: 51.486 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

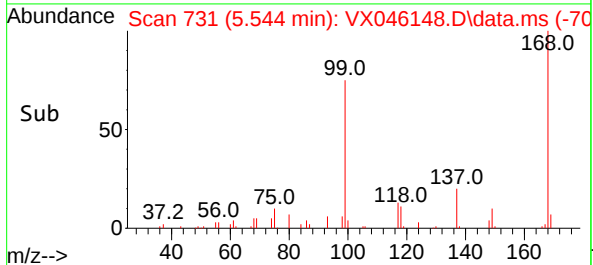
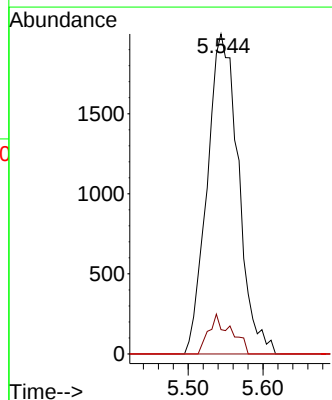
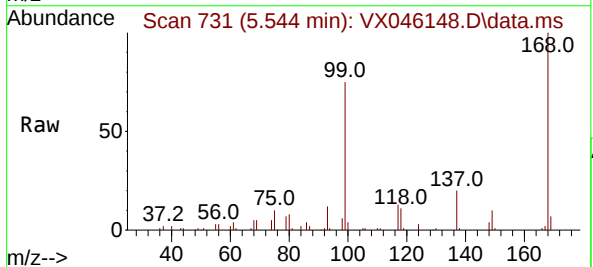
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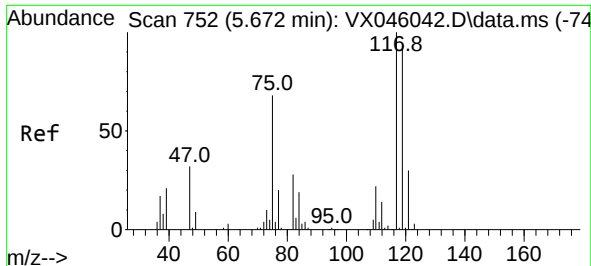
Tgt Ion:113 Resp: 44261
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 16.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.019 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

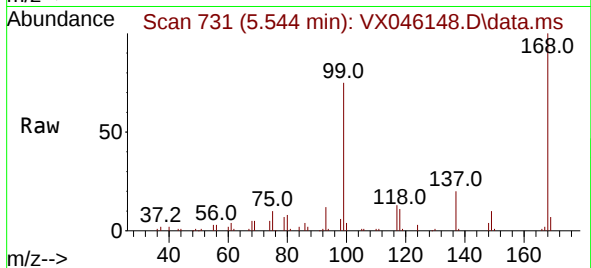
Tgt Ion: 75 Resp: 5797
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



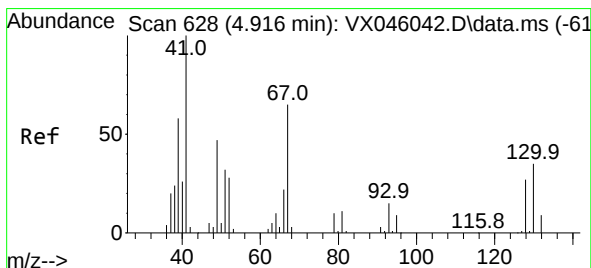
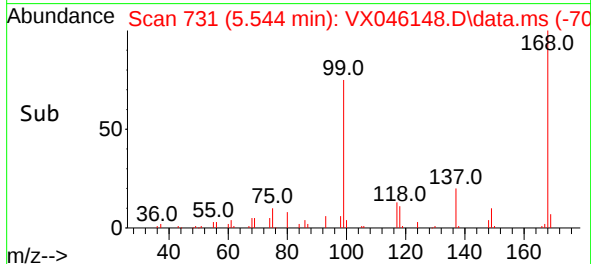
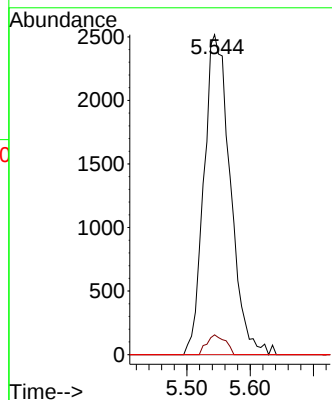


#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
205510

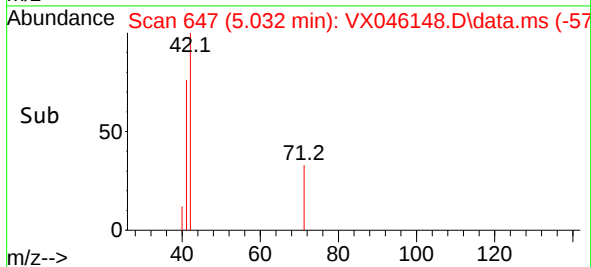
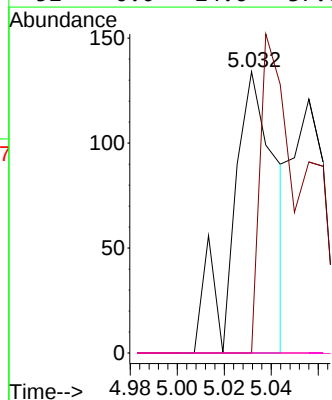
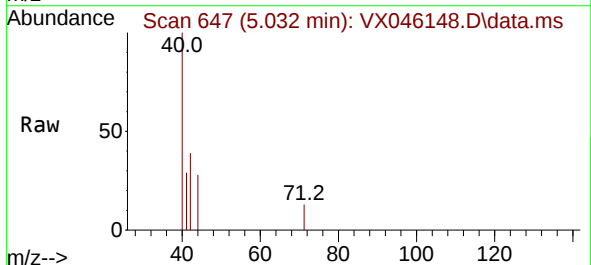


Tgt Ion:117 Resp: 7294
Ion Ratio Lower Upper
117 100
119 6.2 75.2 112.8#
121 0.0 24.2 36.4#



#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 41 Resp: 172
Ion Ratio Lower Upper
41 100
39 112.2 47.2 70.8#
67 0.0 50.7 76.1#
52 0.0 24.6 37.0#

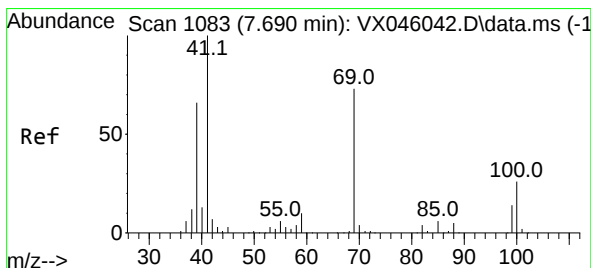
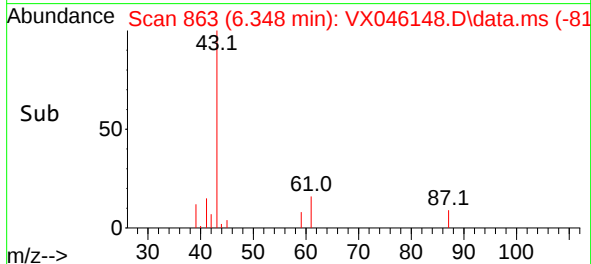
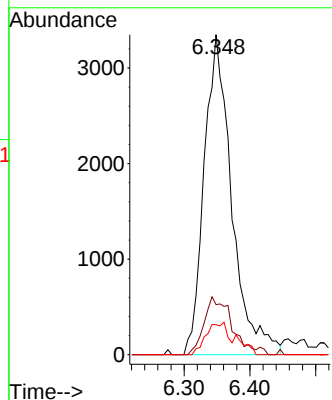
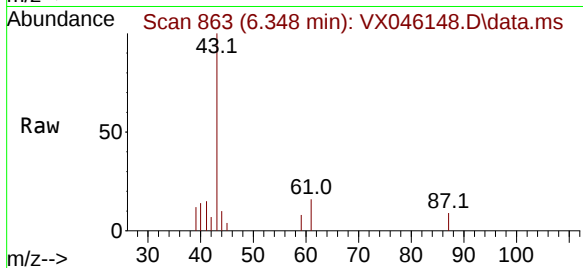




#43
Isopropyl Acetate
Concen: 4.487 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

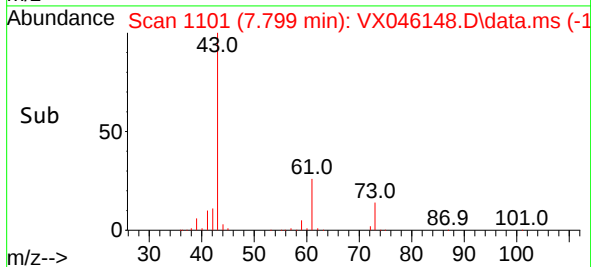
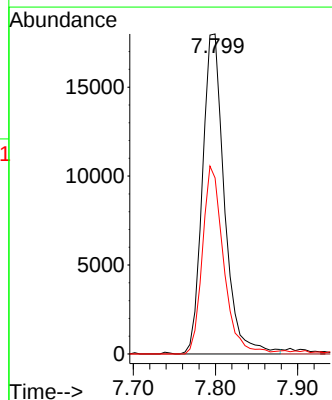
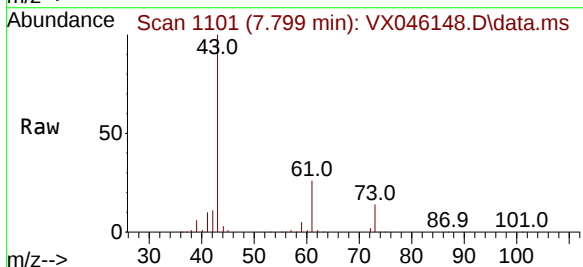
Instrument :
MSVOA_X
ClientSampleId :
205510

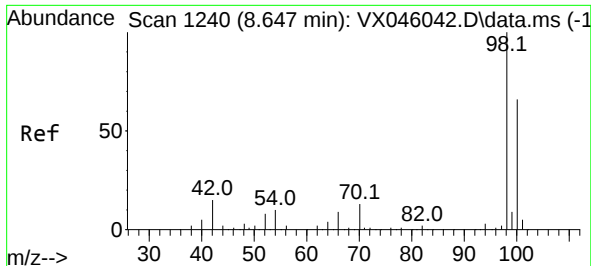
Tgt Ion: 43 Resp: 9769
Ion Ratio Lower Upper
43 100
61 18.5 14.3 21.5
87 8.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 30.034 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 41 Resp: 33394
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 56.7 51.7 77.5

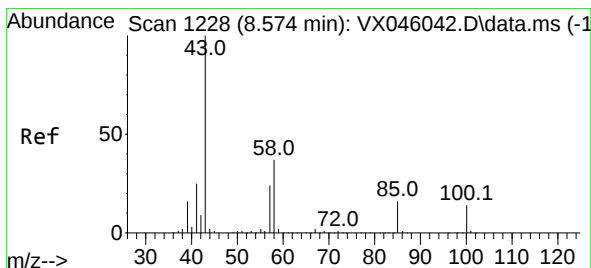
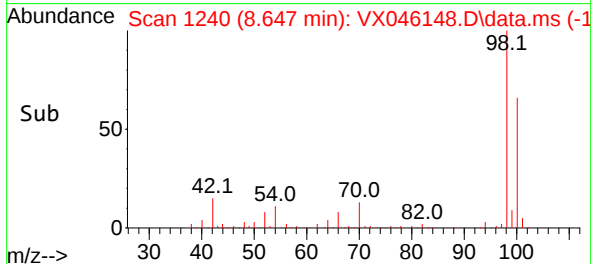
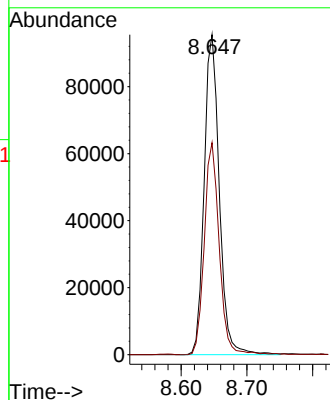
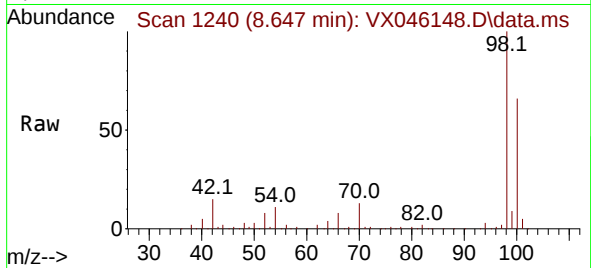




#50
Toluene-d8
Concen: 51.341 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

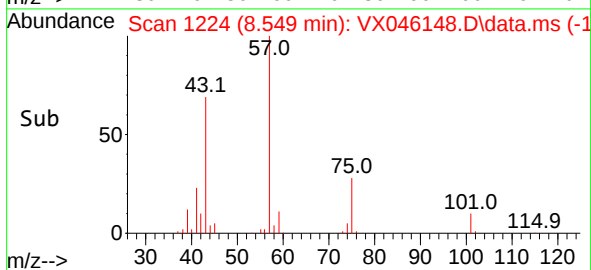
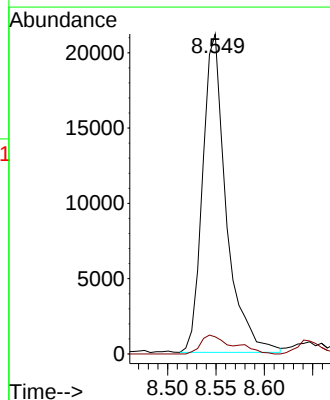
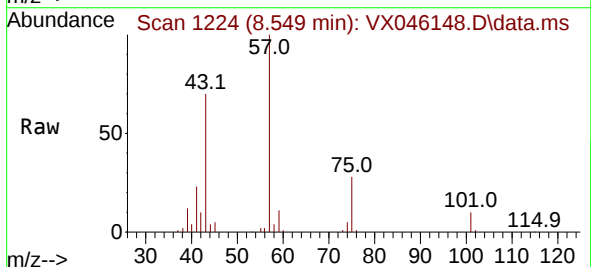
Instrument :
MSVOA_X
ClientSampleId :
205510

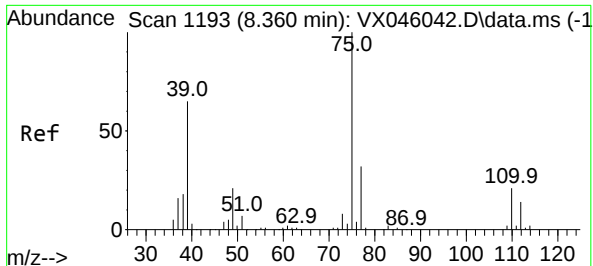
Tgt Ion: 98 Resp: 152762
Ion Ratio Lower Upper
98 100
100 65.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.862 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 43 Resp: 35929
Ion Ratio Lower Upper
43 100
58 8.1 28.9 43.3#

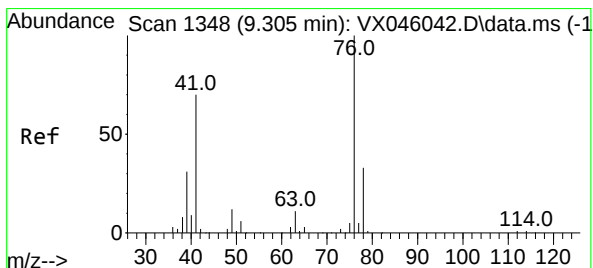
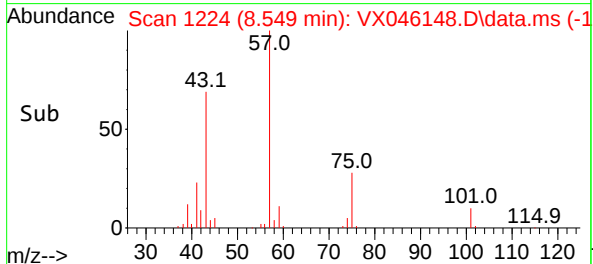
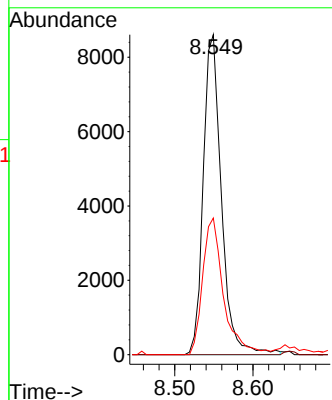
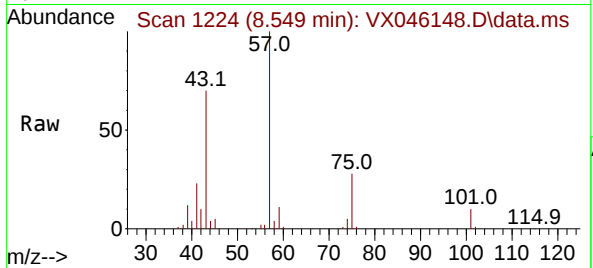




#54
 cis-1,3-Dichloropropene
 Concen: 10.775 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX046148.D
 Acq: 12 May 2025 19:02

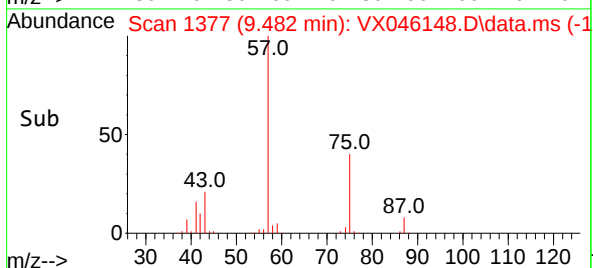
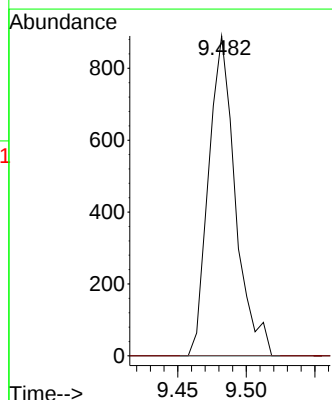
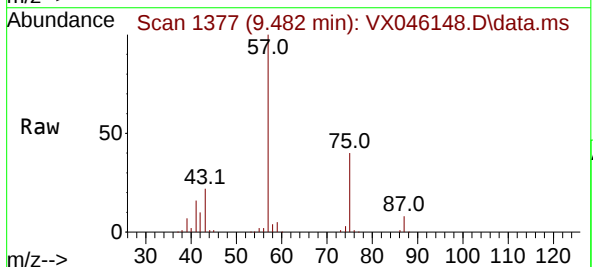
Instrument :
 MSVOA_X
 ClientSampleId :
 205510

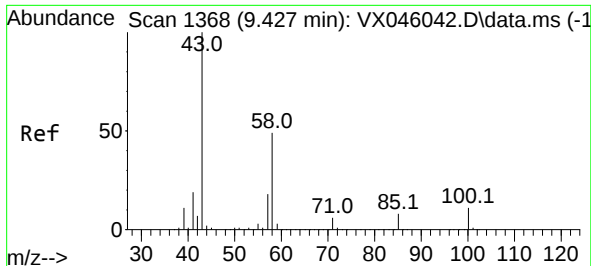
Tgt Ion: 75 Resp: 13834
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 42.7 52.2 78.4#



#57
 1,3-Dichloropropane
 Concen: 0.823 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX046148.D
 Acq: 12 May 2025 19:02

Tgt Ion: 76 Resp: 1209
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

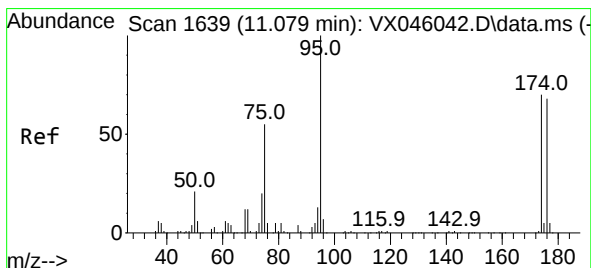
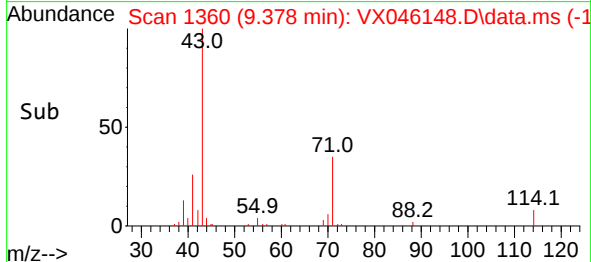
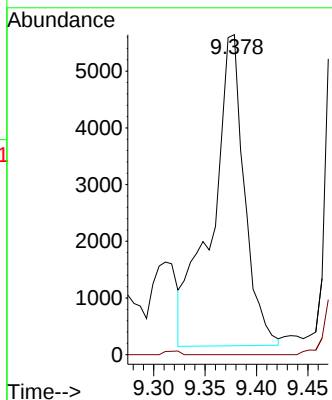
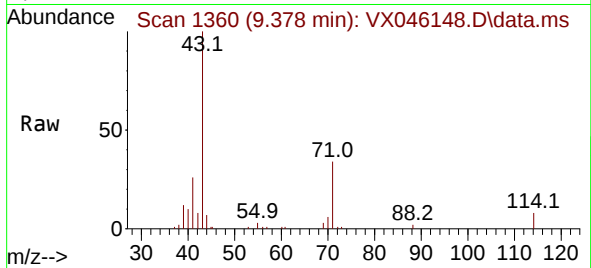




#59
2-Hexanone
Concen: 11.197 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

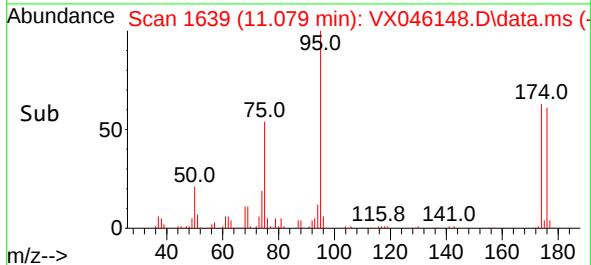
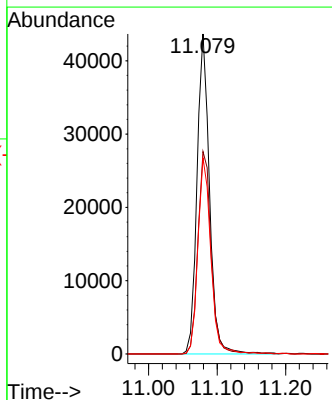
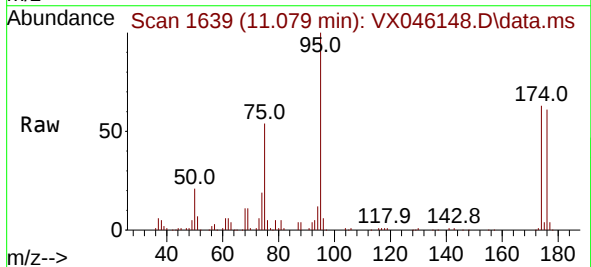
Instrument :
MSVOA_X
ClientSampleId :
205510

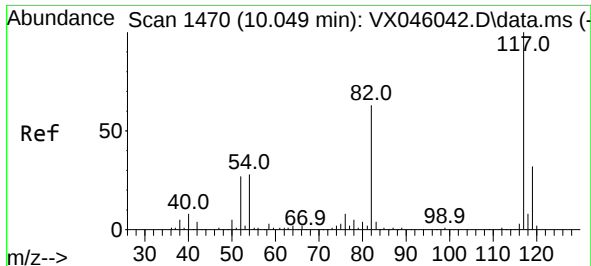
Tgt Ion: 43 Resp: 11971
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 48.555 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 95 Resp: 55418
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 63.6 0.0 131.4

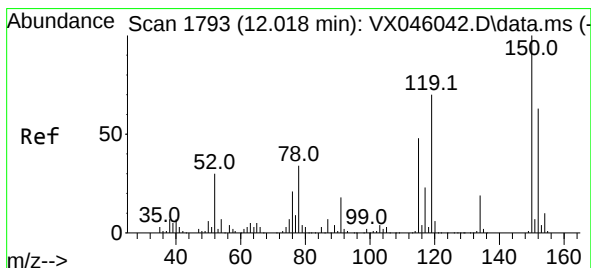
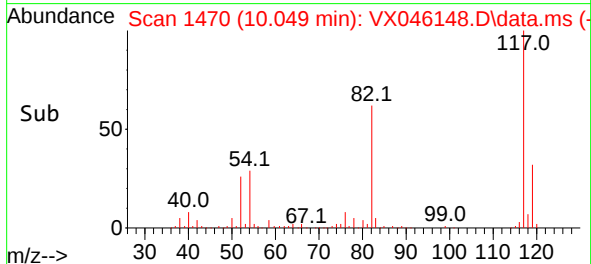
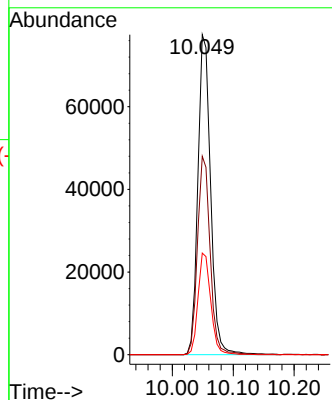
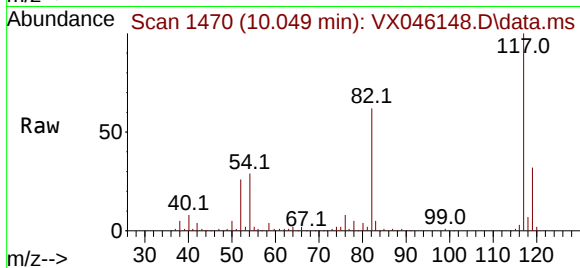




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

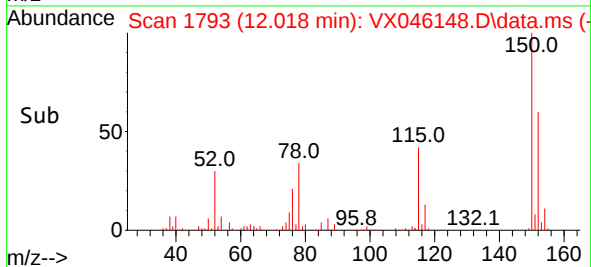
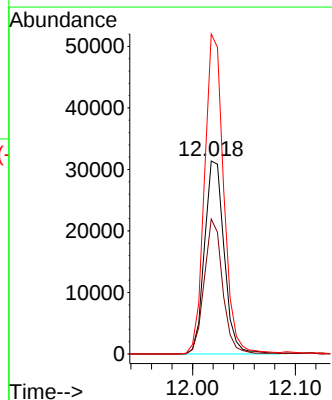
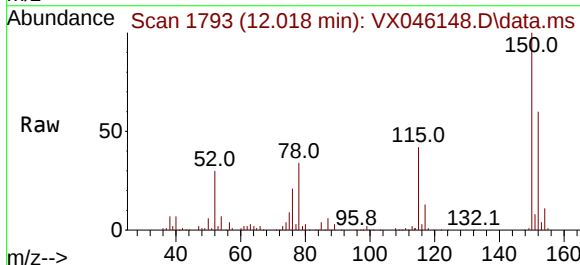
Instrument :
MSVOA_X
ClientSampleId :
205510

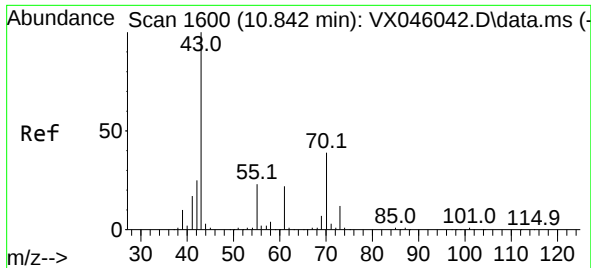
Tgt Ion:117 Resp: 112283
Ion Ratio Lower Upper
117 100
82 62.0 50.6 76.0
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion:152 Resp: 41868
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 161.3 0.0 351.0

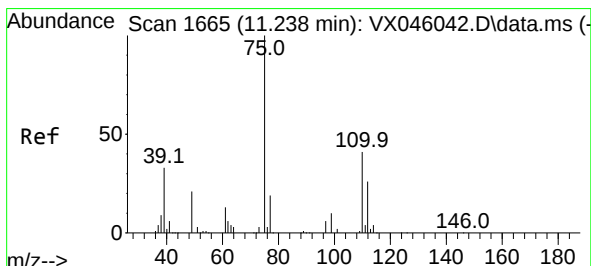
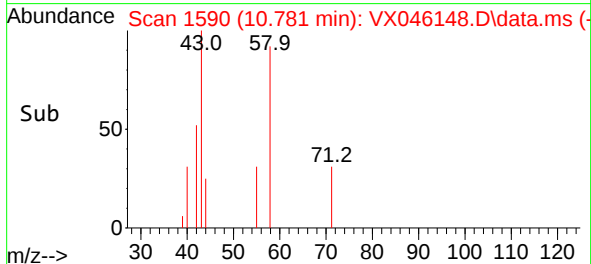
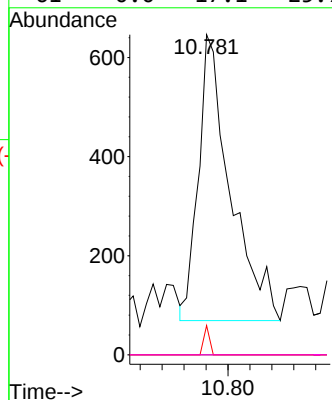
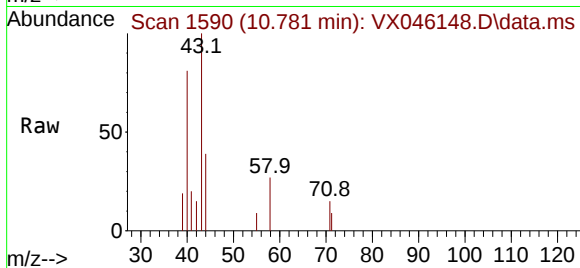




#74
N-amy1 acetate
Concen: 0.726 ug/l
RT: 10.781 min Scan# 1170
Delta R.T. -0.061 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

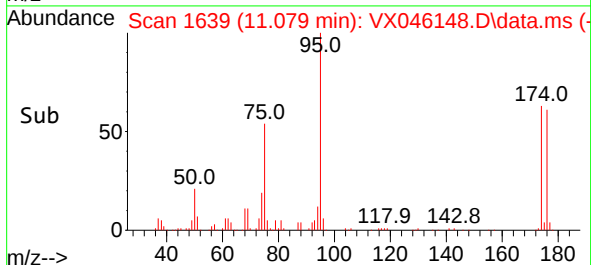
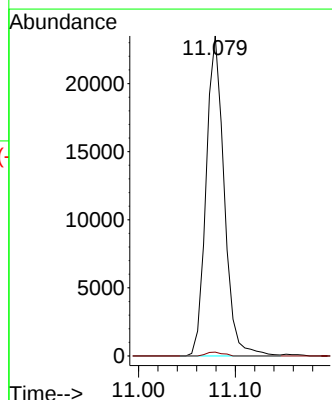
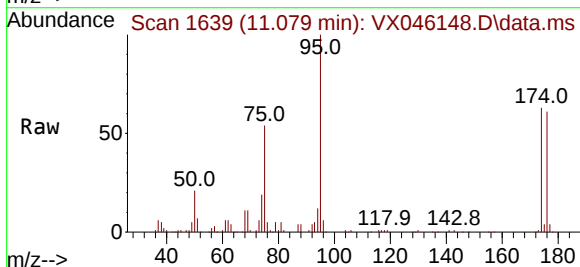
Instrument :
MSVOA_X
ClientSampleId :
205510

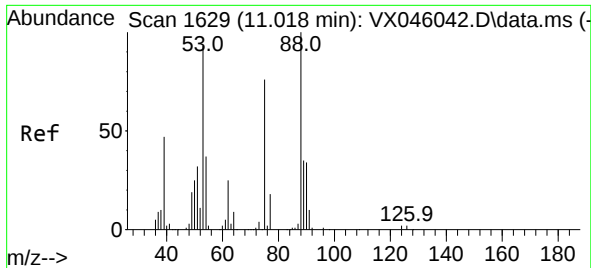
Tgt Ion: 43	Resp:	1170
Ion	Ratio	Lower Upper
43	100	
70	0.0	30.9 46.3#
55	1.9	18.7 28.1#
61	0.0	17.1 25.7#



#76
1,2,3-Trichloropropane
Concen: 30.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Tgt Ion: 75	Resp:	30544
Ion	Ratio	Lower Upper
75	100	
77	1.1	20.5 61.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 98.674 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046148.D
Acq: 12 May 2025 19:02

Instrument :
MSVOA_X
ClientSampleId :
205510

Tgt Ion: 75 Resp: 30544
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

