

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046320.D
 Acq On : 22 May 2025 11:37
 Operator : JC/MD
 Sample : Q2097-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200044

Quant Time: May 23 01:43:59 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)

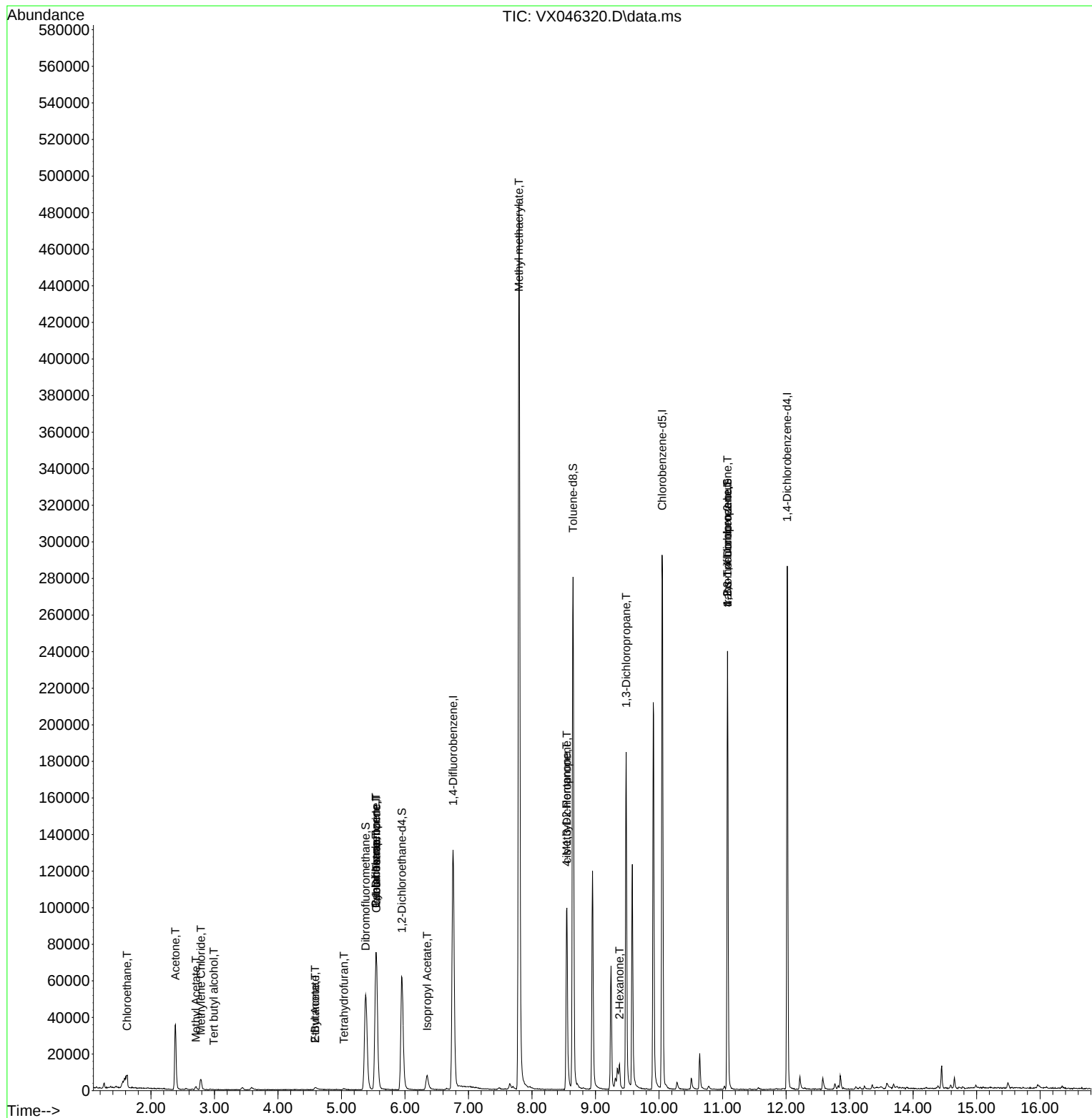
Internal Standards						
1) Pentafluorobenzene	5.544	168	63914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64415	54.059	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.120%	
35) Dibromofluoromethane	5.379	113	46228	51.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	8.647	98	161904	51.654	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	11.079	95	62473	51.961	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.920%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.624	64	95	0.202	ug/l #	44
11) Tert butyl alcohol	2.989	59	152	0.909	ug/l #	72
16) Acetone	2.386	43	39879	83.471	ug/l	96
18) Methyl Acetate	2.709	43	2252	2.031	ug/l	93
20) Methylene Chloride	2.788	84	2633	2.876	ug/l	90
25) 2-Butanone	4.587	43	2498	3.601	ug/l	100
29) Tetrahydrofuran	5.038	42	444	1.022	ug/l #	61
31) Cyclohexane	5.544	56	2008	1.414	ug/l #	14
36) 1,1-Dichloropropene	5.544	75	6352	5.220	ug/l #	51
37) Ethyl Acetate	4.587	43	2498	1.662	ug/l #	70
38) Carbon Tetrachloride	5.550	117	7563	5.532	ug/l #	17
43) Isopropyl Acetate	6.348	43	11737	5.118	ug/l	99
48) Methyl methacrylate	7.793	41	48523	41.429	ug/l #	49
51) 4-Methyl-2-Pentanone	8.543	43	39785	26.135	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15412	11.396	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	1593	1.029	ug/l #	42
59) 2-Hexanone	9.378	43	9446	8.387	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36310	29.587	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	36310	96.326	ug/l #	1

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

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
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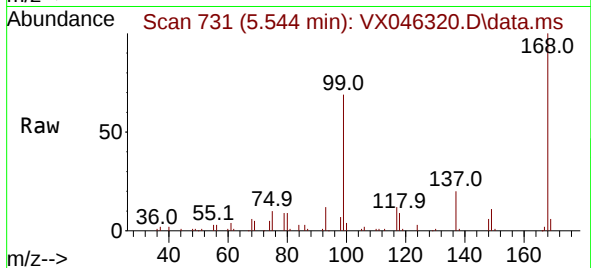
Quant Time: May 23 01:43:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
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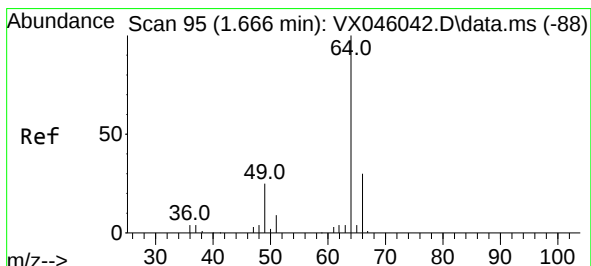
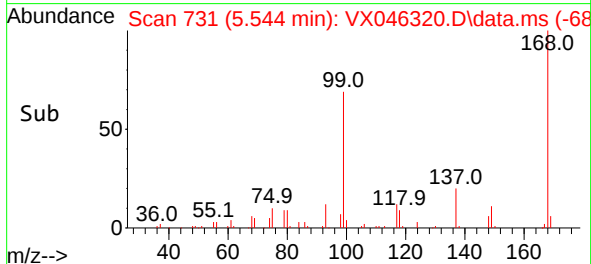
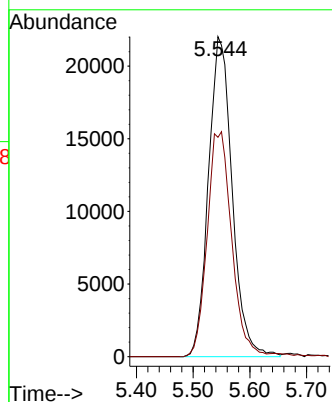


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Instrument :
MSVOA_X
ClientSampleId :
RBR200044

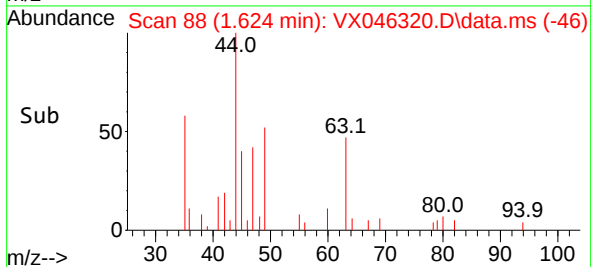
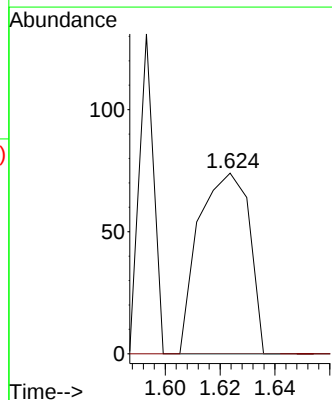
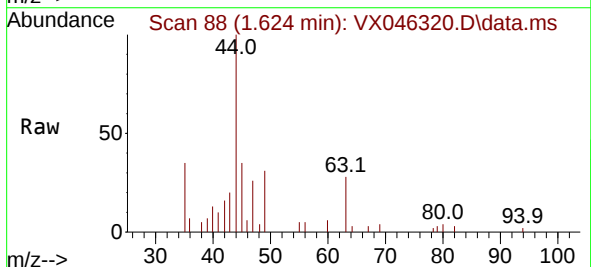


Tgt Ion:168 Resp: 63914
Ion Ratio Lower Upper
168 100
99 68.5 54.9 82.3



#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.624 min Scan# 88
Delta R.T. -0.043 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

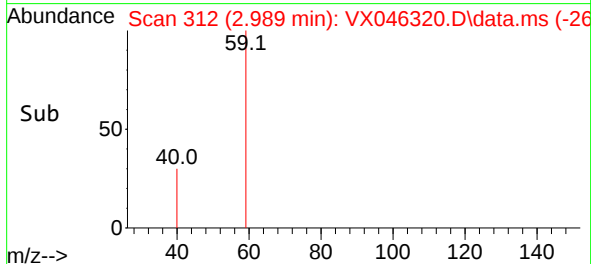
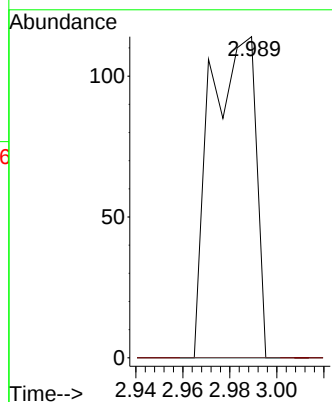
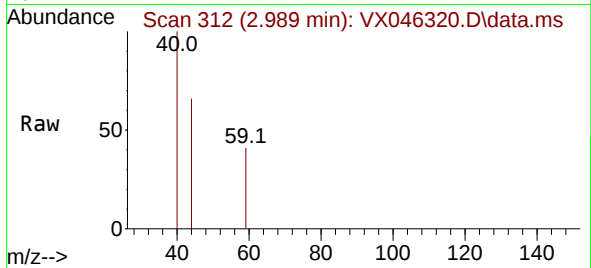




#11
Tert butyl alcohol
Concen: 0.909 ug/l
RT: 2.989 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

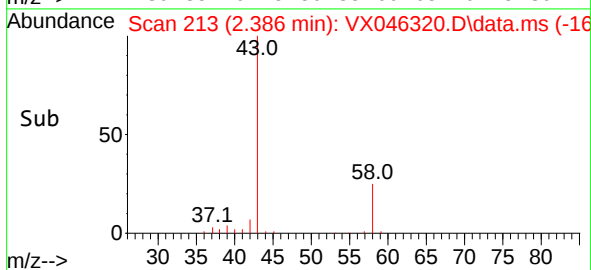
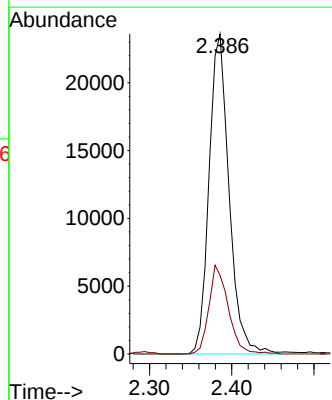
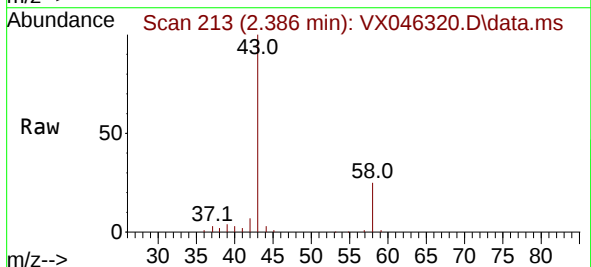
Instrument :
MSVOA_X
ClientSampleId :
RBR200044

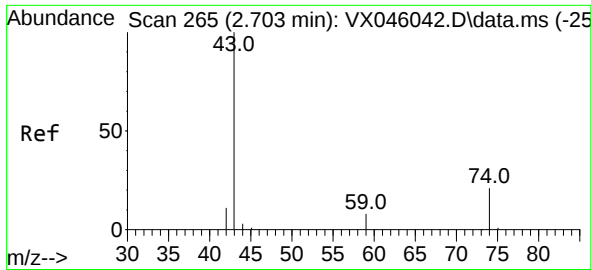
Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 83.471 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 43 Resp: 39879
Ion Ratio Lower Upper
43 100
58 24.6 21.2 31.8





#18

Methyl Acetate

Concen: 2.031 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX046320.D

Acq: 22 May 2025 11:37

Instrument :

MSVOA_X

ClientSampleId :

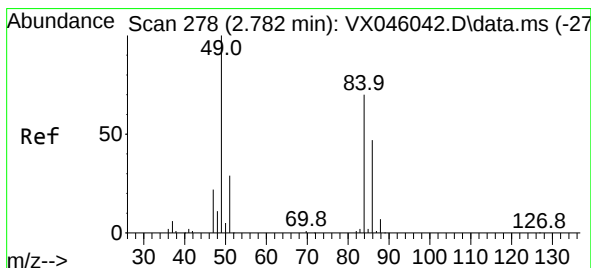
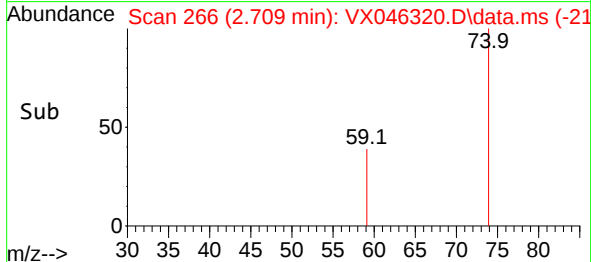
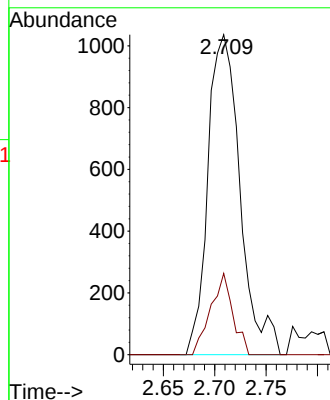
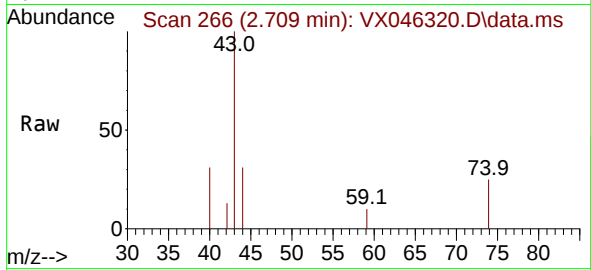
RBR200044

Tgt Ion: 43 Resp: 2252

Ion Ratio Lower Upper

43 100

74 17.5 16.7 25.1



#20

Methylene Chloride

Concen: 2.876 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046320.D

Acq: 22 May 2025 11:37

Tgt Ion: 84 Resp: 2633

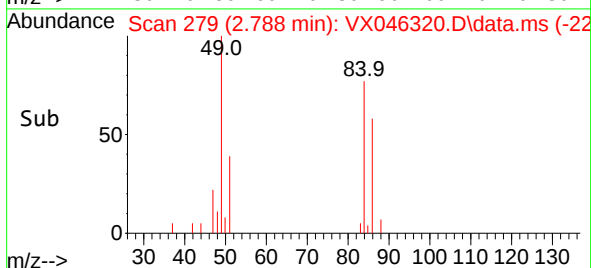
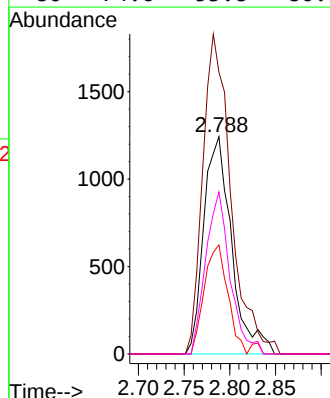
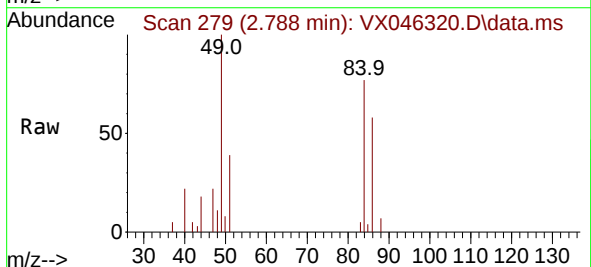
Ion Ratio Lower Upper

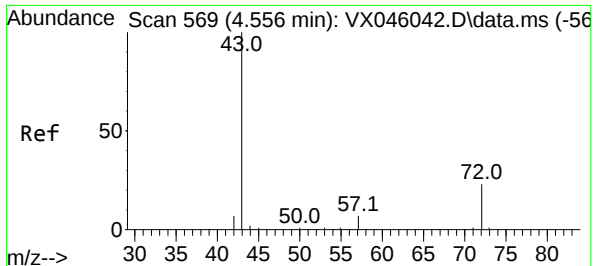
84 100

49 129.6 113.9 170.9

51 50.2 33.5 50.3

86 74.6 53.8 80.8

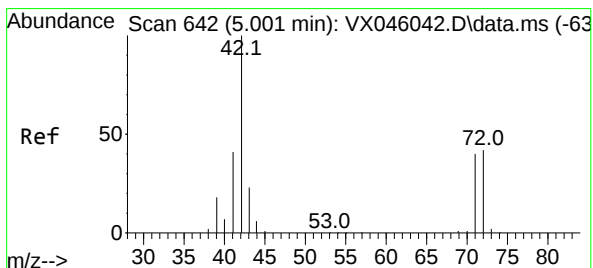
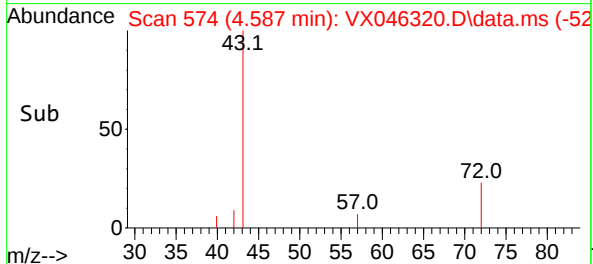
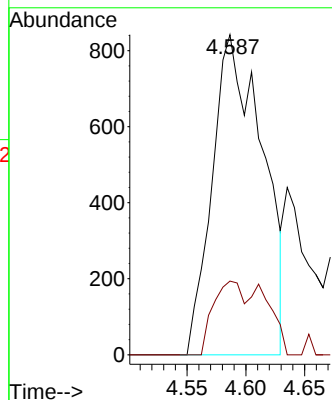
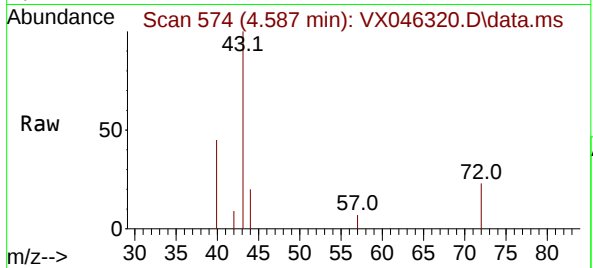




#25
2-Butanone
Concen: 3.601 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

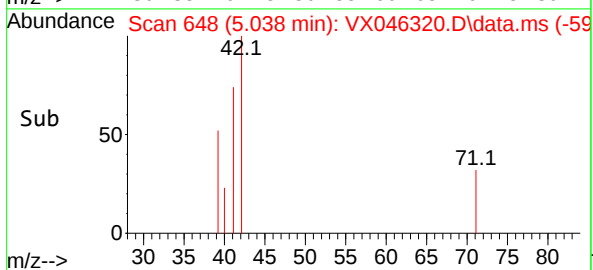
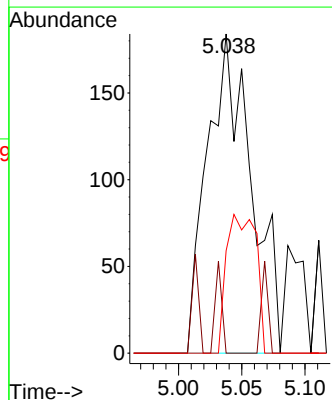
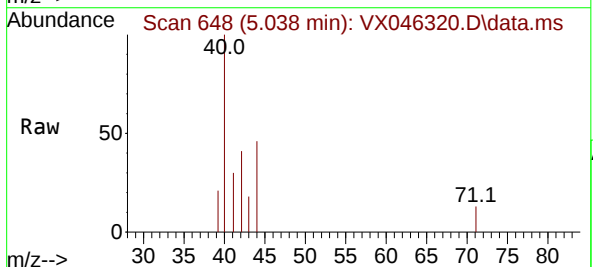
Instrument :
MSVOA_X
ClientSampleId :
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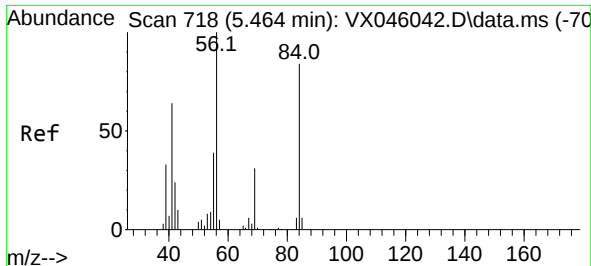
Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6



#29
Tetrahydrofuran
Concen: 1.022 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.036 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 42 Resp: 444
Ion Ratio Lower Upper
42 100
72 4.3 33.7 50.5#
71 29.3 31.4 47.2#

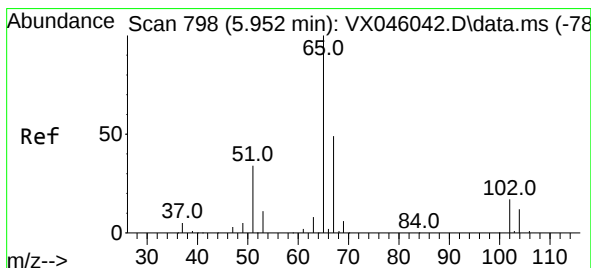
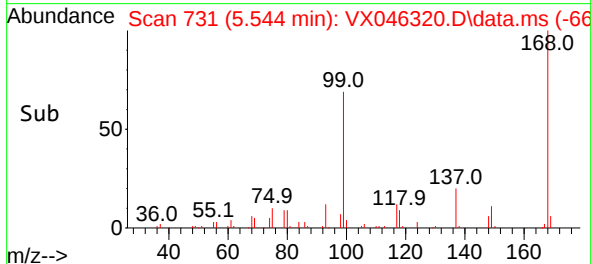
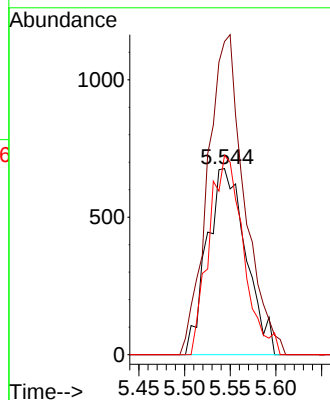
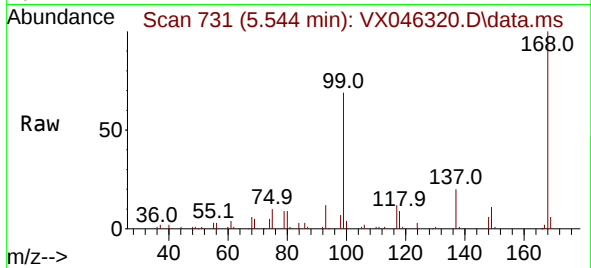




#31
Cyclohexane
Concen: 1.414 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

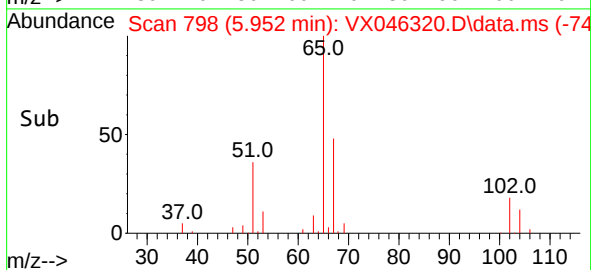
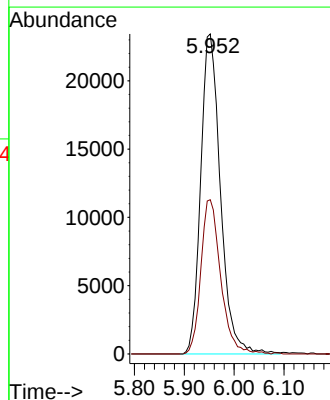
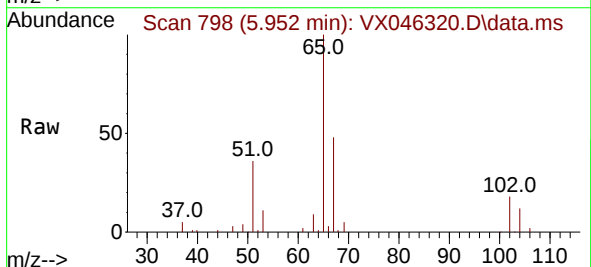
Instrument :
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ClientSampleId :
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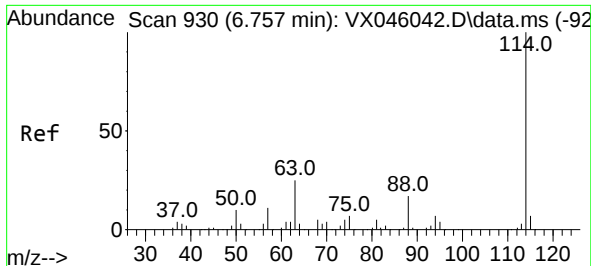
Tgt Ion: 56 Resp: 2008
Ion Ratio Lower Upper
56 100
69 168.2 24.4 36.6#
84 107.1 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 54.059 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 65 Resp: 64415
Ion Ratio Lower Upper
65 100
67 48.4 0.0 99.0

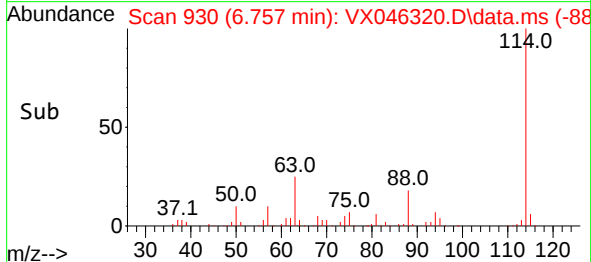
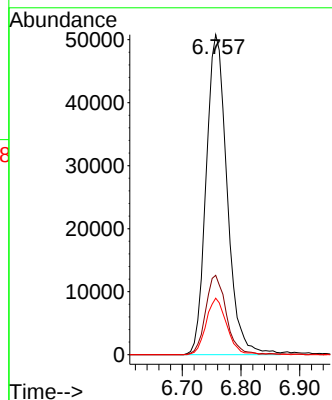
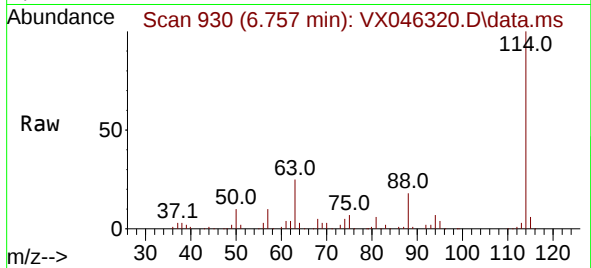




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

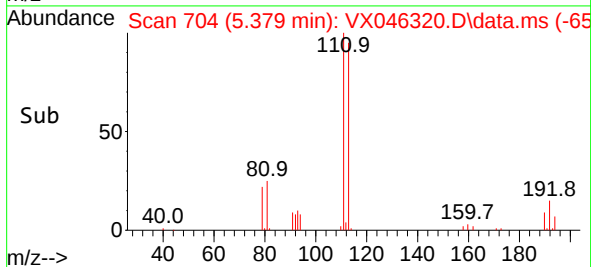
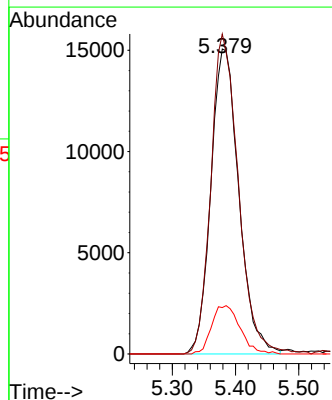
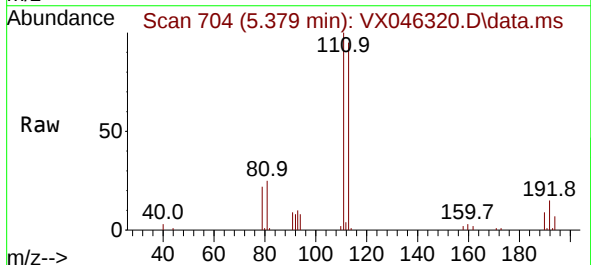
Instrument :
MSVOA_X
ClientSampleId :
RBR200044

Tgt Ion:114 Resp: 125758
Ion Ratio Lower Upper
114 100
63 24.8 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.047 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion:113 Resp: 46228
Ion Ratio Lower Upper
113 100
111 103.2 83.1 124.7
192 16.2 13.3 19.9

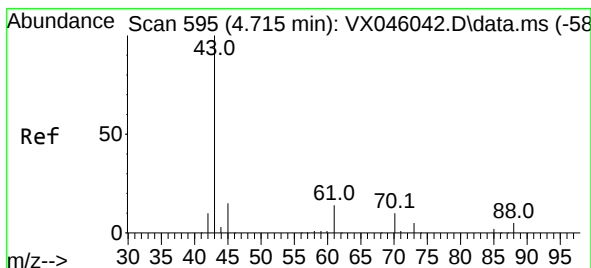
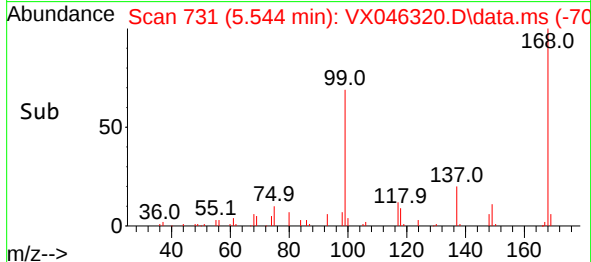
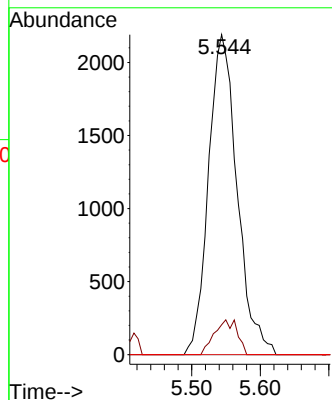
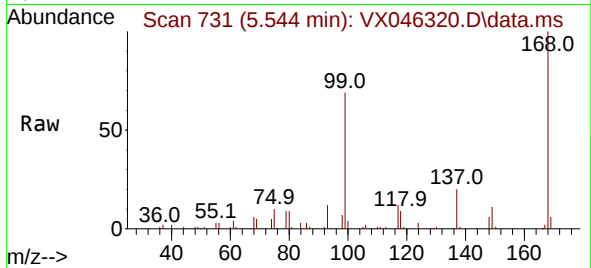




#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

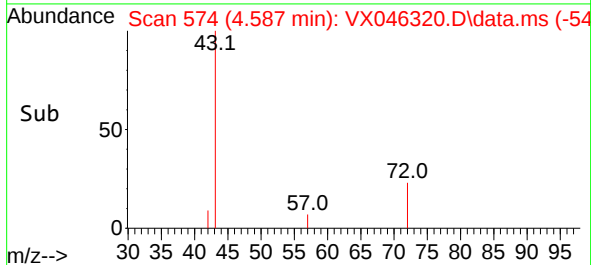
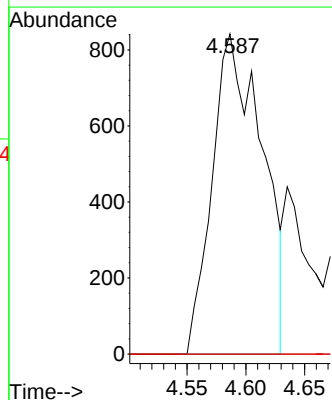
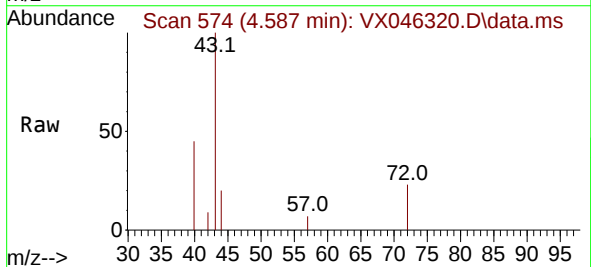
Instrument :
MSVOA_X
ClientSampleId :
RBR200044

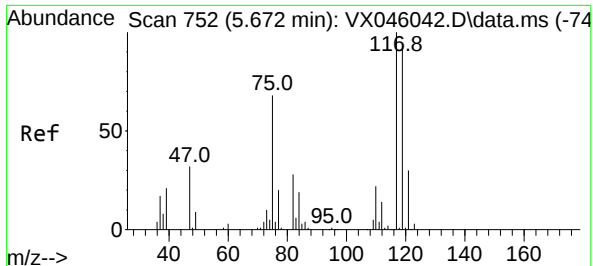
Tgt Ion: 75 Resp: 6352
Ion Ratio Lower Upper
75 100
110 8.7 16.3 48.9#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.662 ug/l
RT: 4.587 min Scan# 574
Delta R.T. -0.128 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 43 Resp: 2498
Ion Ratio Lower Upper
43 100
61 0.0 10.3 15.5#
70 0.0 7.9 11.9#

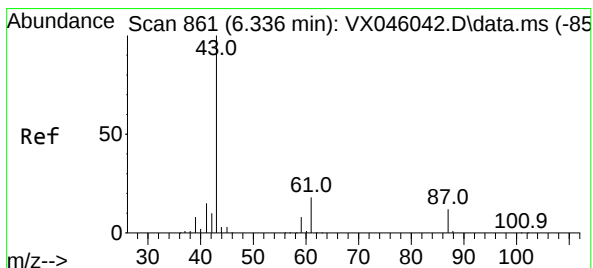
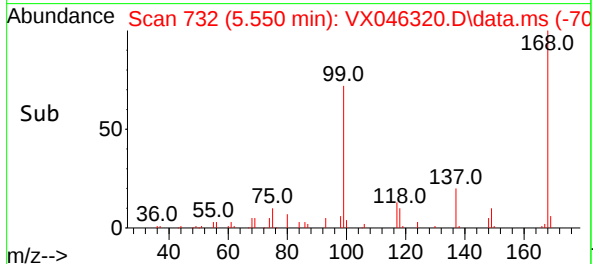
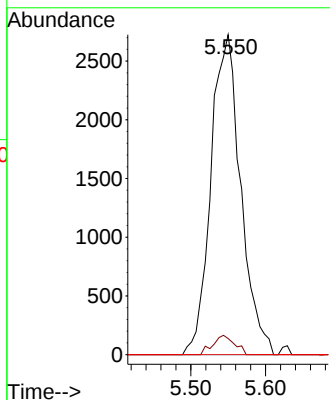
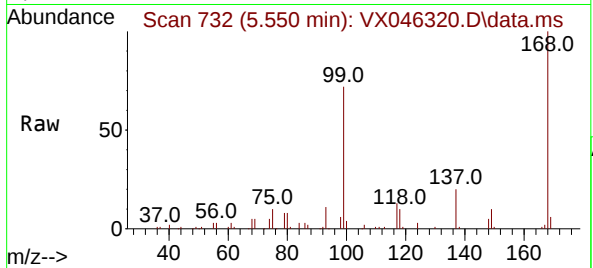




#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

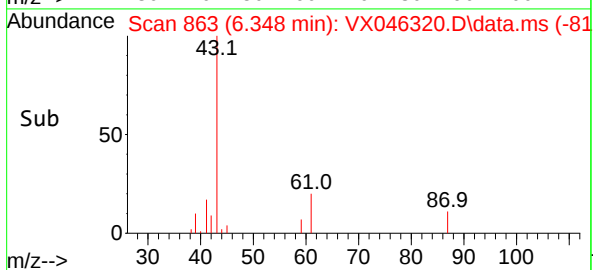
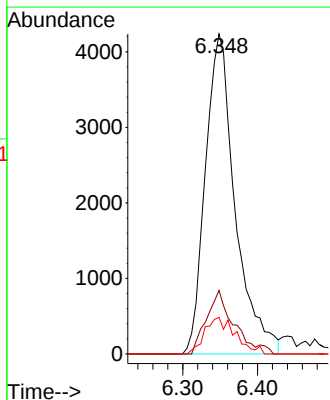
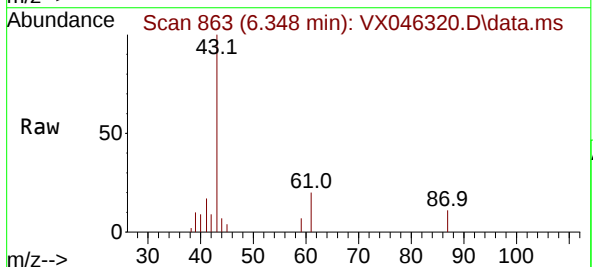
Instrument :
MSVOA_X
ClientSampleId :
RBR200044

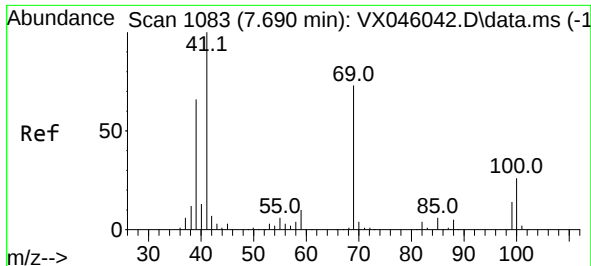
Tgt Ion:117 Resp: 7563
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 5.118 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 43 Resp: 11737
Ion Ratio Lower Upper
43 100
61 18.4 14.3 21.5
87 11.7 9.5 14.3

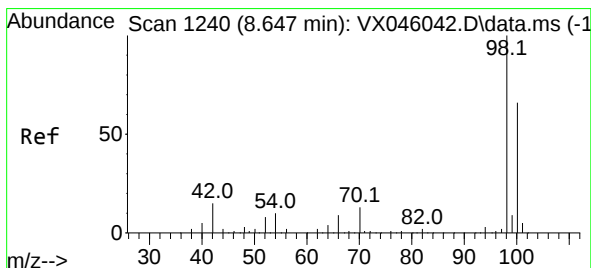
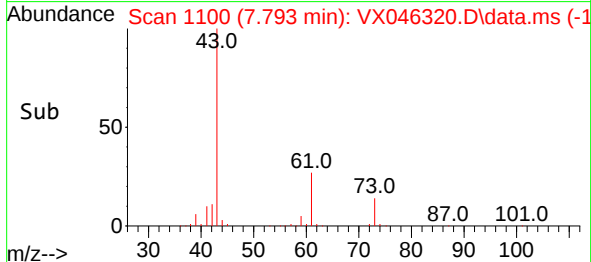
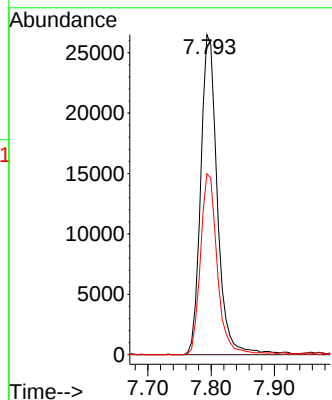
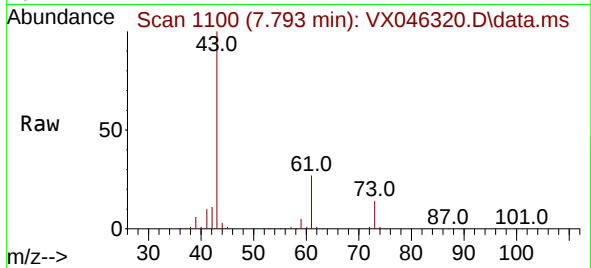




#48
Methyl methacrylate
Concen: 41.429 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

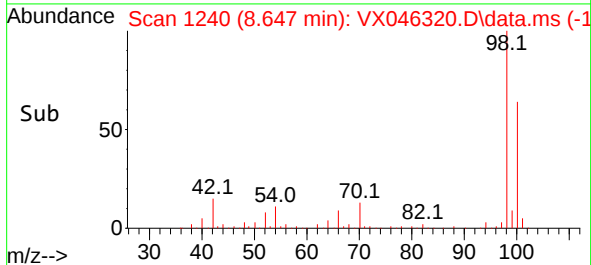
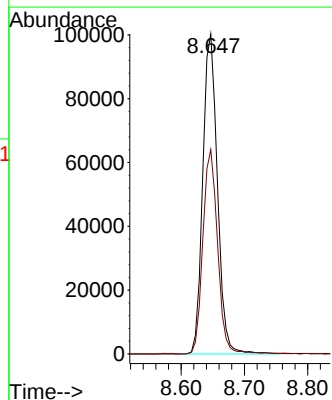
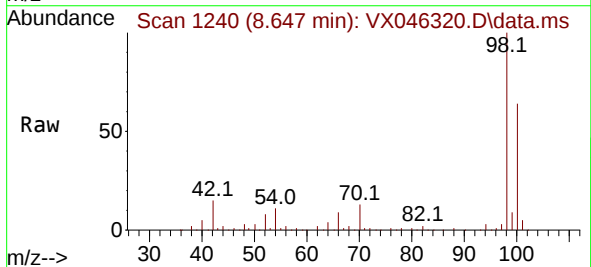
Instrument :
MSVOA_X
ClientSampleId :
RBR200044

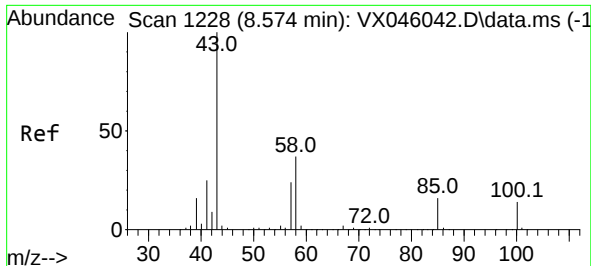
Tgt Ion: 41 Resp: 48523
Ion Ratio Lower Upper
41 100
69 0.0 58.5 87.7#
39 57.4 51.7 77.5



#50
Toluene-d8
Concen: 51.654 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 98 Resp: 161904
Ion Ratio Lower Upper
98 100
100 64.3 53.5 80.3

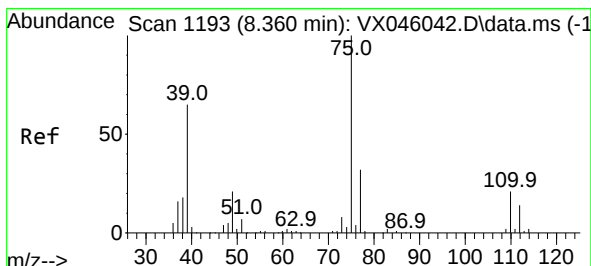
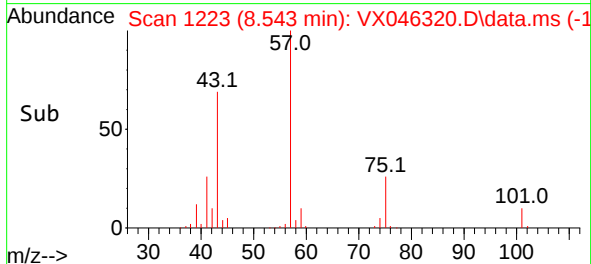
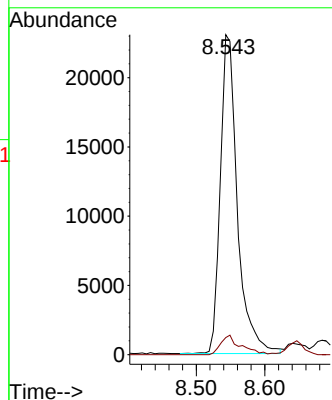
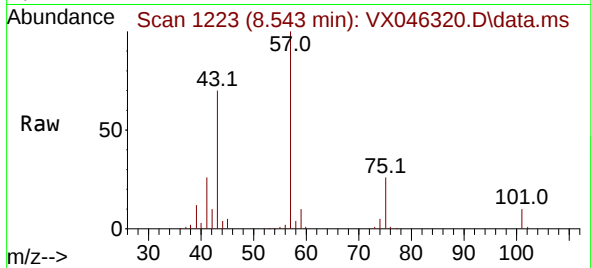




#51
4-Methyl-2-Pentanone
Concen: 26.135 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

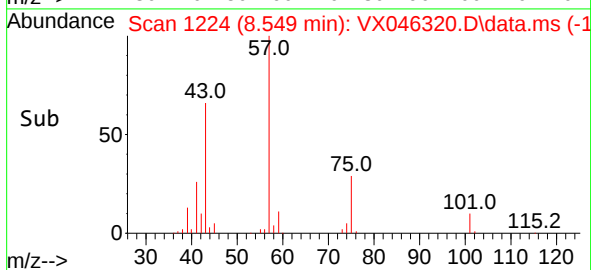
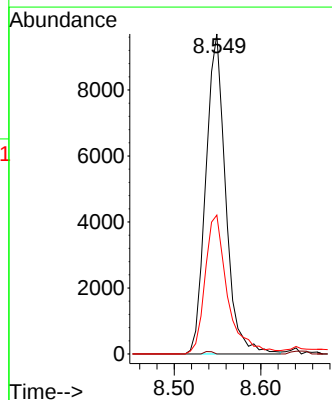
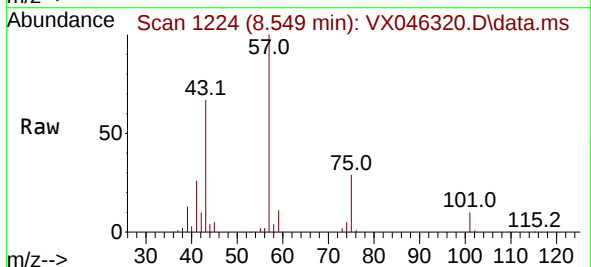
Instrument :
MSVOA_X
ClientSampleId :
RBR200044

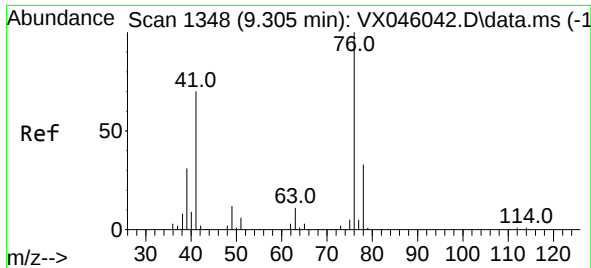
Tgt Ion: 43 Resp: 39785
Ion Ratio Lower Upper
43 100
58 7.3 28.9 43.3#



#54
cis-1,3-Dichloropropene
Concen: 11.396 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.189 min
Lab File: VX046320.D
Acq: 22 May 2025 11:37

Tgt Ion: 75 Resp: 15412
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#
39 43.4 52.2 78.4#





#57

1,3-Dichloropropane

Concen: 1.029 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX046320.D

Acq: 22 May 2025 11:37

Instrument :

MSVOA_X

ClientSampleId :

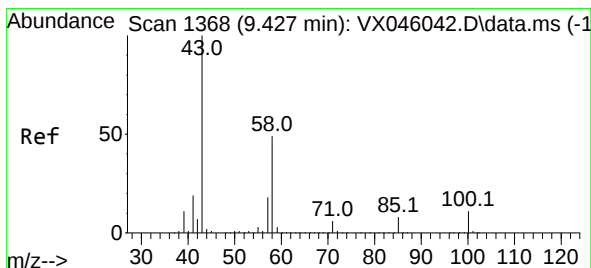
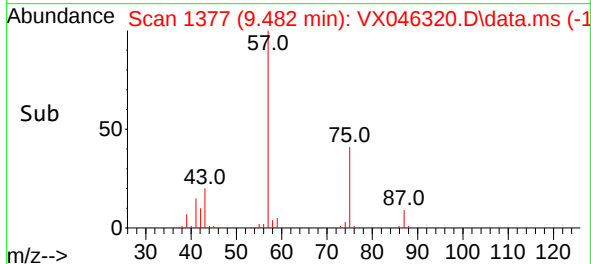
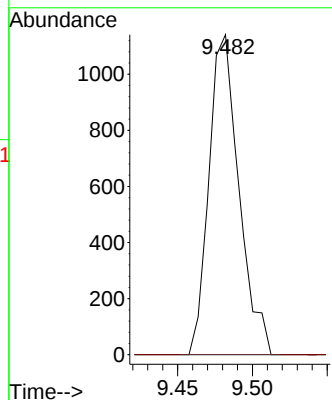
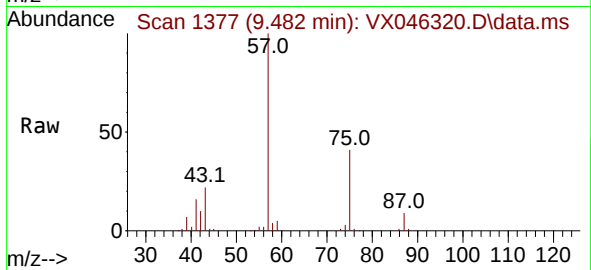
RBR200044

Tgt Ion: 76 Resp: 1593

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 8.387 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX046320.D

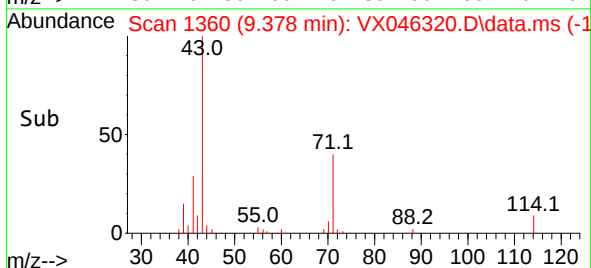
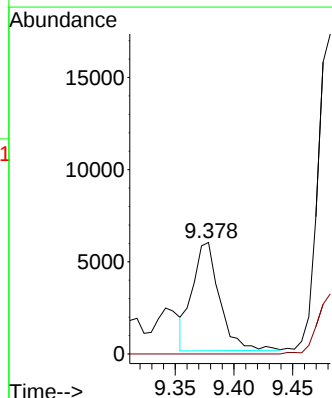
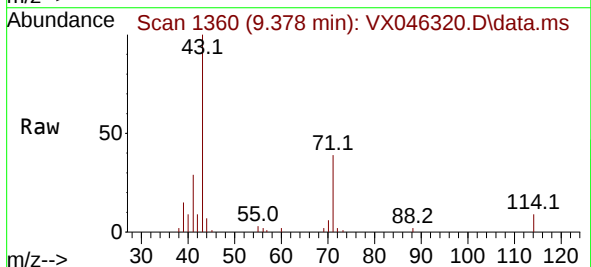
Acq: 22 May 2025 11:37

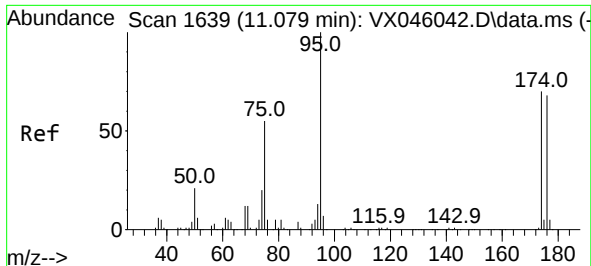
Tgt Ion: 43 Resp: 9446

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 51.961 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046320.D

Acq: 22 May 2025 11:37

Instrument :

MSVOA_X

ClientSampleId :

RBR200044

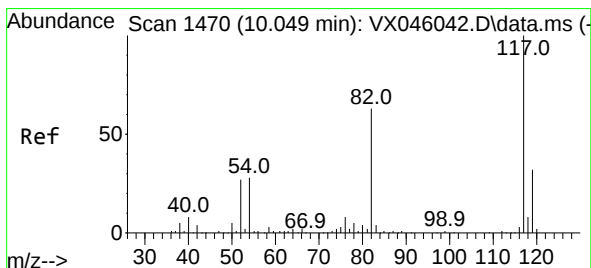
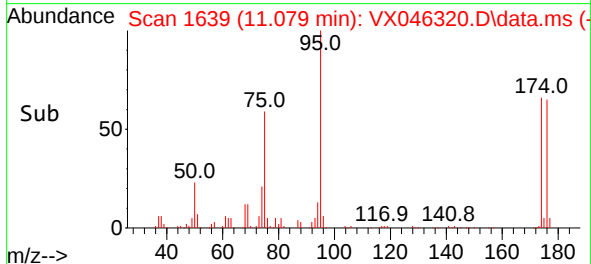
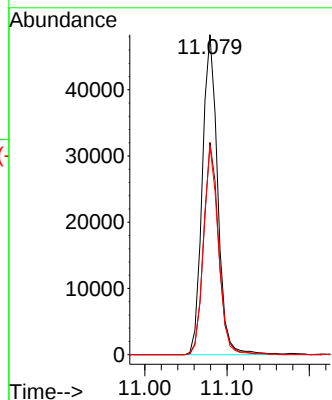
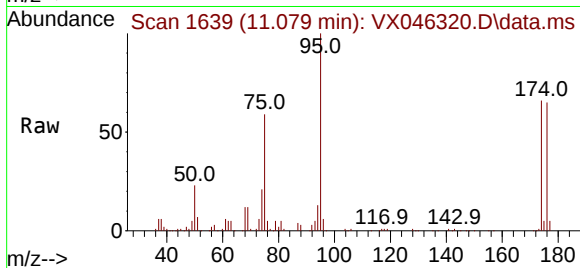
Tgt Ion: 95 Resp: 62473

Ion Ratio Lower Upper

95 100

174 64.9 0.0 135.8

176 63.5 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: VX046320.D

Acq: 22 May 2025 11:37

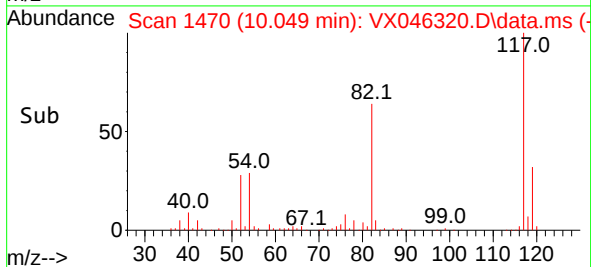
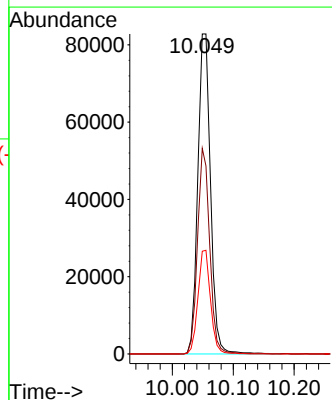
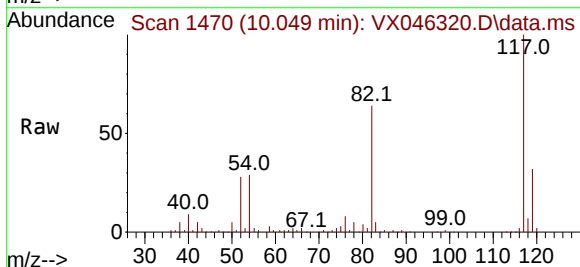
Tgt Ion: 117 Resp: 119902

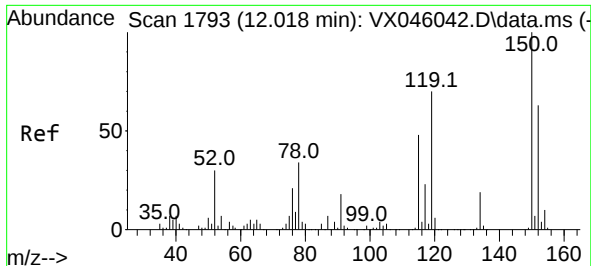
Ion Ratio Lower Upper

117 100

82 64.3 50.6 76.0

119 32.1 25.8 38.6

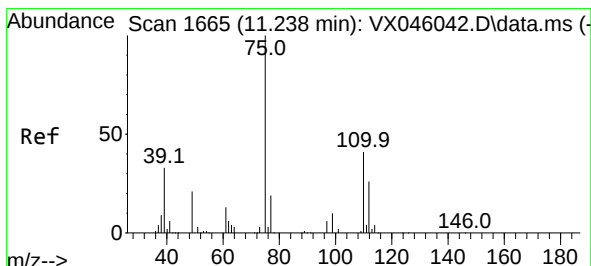
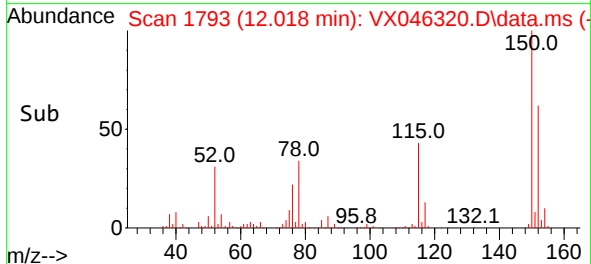
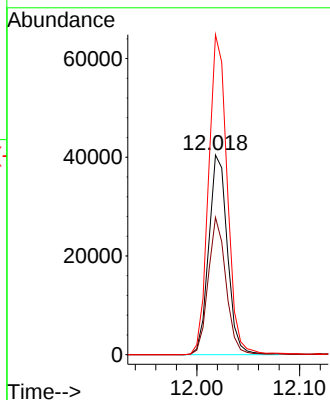
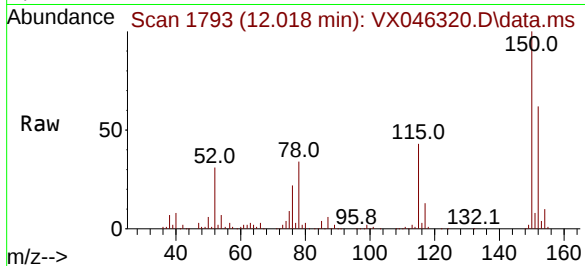




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046320.D
 Acq: 22 May 2025 11:37

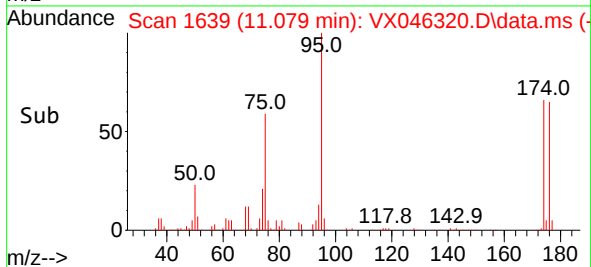
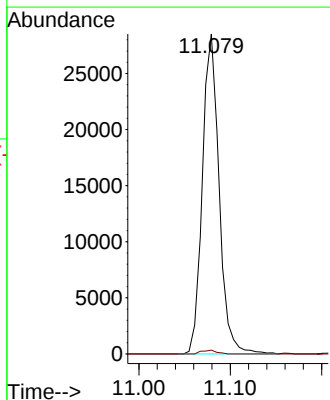
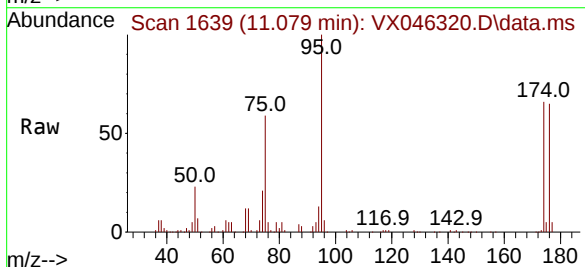
Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200044

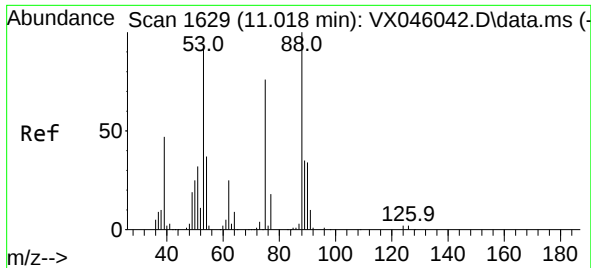
Tgt Ion:152 Resp: 50985
 Ion Ratio Lower Upper
 152 100
 115 65.9 46.9 140.7
 150 160.4 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.587 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046320.D
 Acq: 22 May 2025 11:37

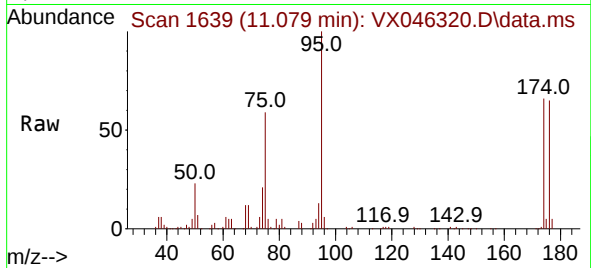
Tgt Ion: 75 Resp: 36310
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.5 61.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.326 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046320.D
 Acq: 22 May 2025 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR200044



Tgt Ion: 75 Resp: 36310
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#

