

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045167.D
 Acq On : 06 Mar 2025 14:43
 Operator : JC/MD
 Sample : Q1501-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-030525RE

Quant Time: Mar 07 00:43:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

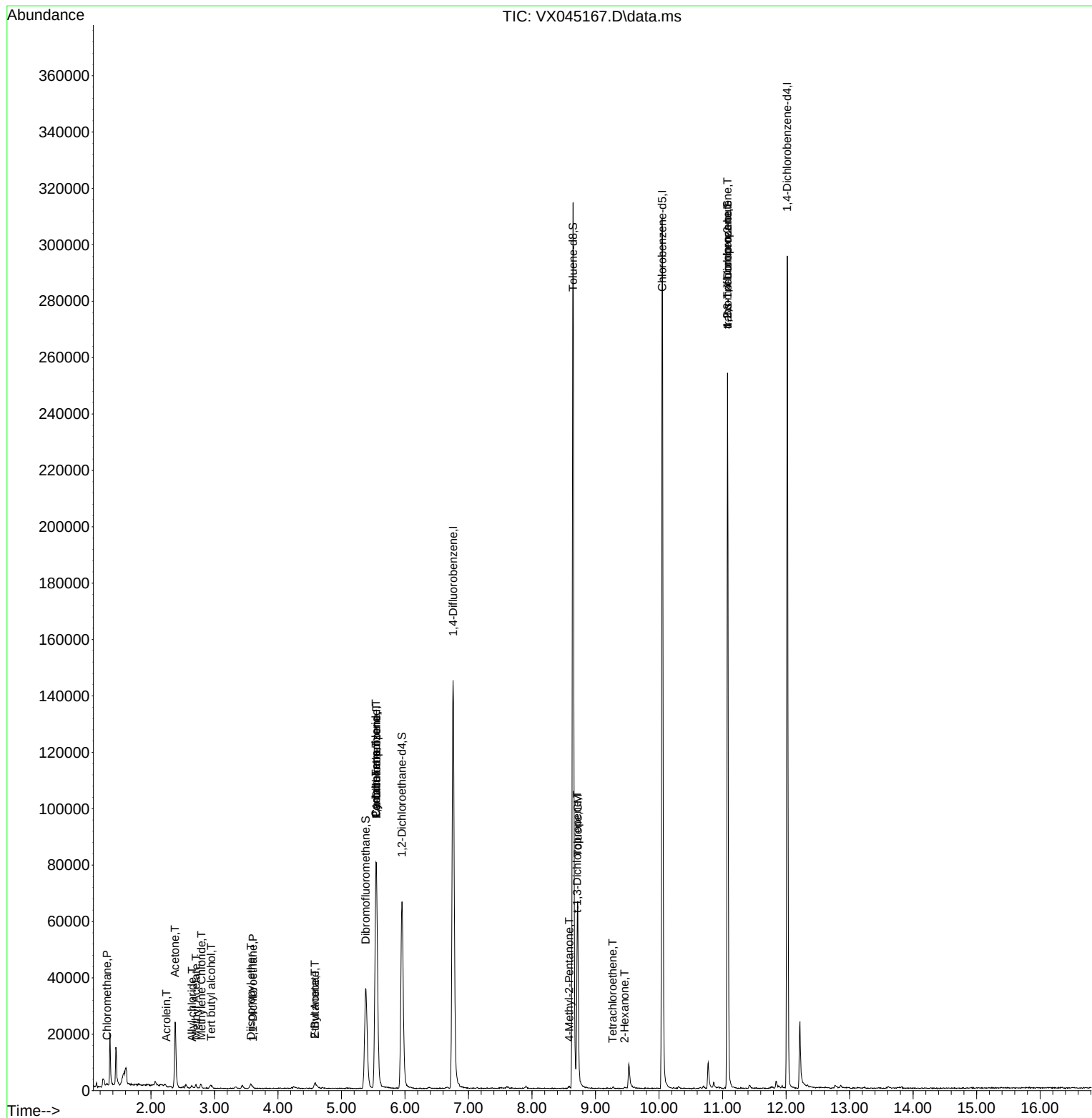
Internal Standards						
1) Pentafluorobenzene	5.550	168	75979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62306	51.554	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.100%			
35) Dibromofluoromethane	5.379	113	31722	32.060	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 64.120%#			
50) Toluene-d8	8.647	98	182099	50.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	64082	53.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.820%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	671	0.573	ug/l	90
11) Tert butyl alcohol	2.946	59	750	3.276	ug/l #	73
13) Acrolein	2.239	56	256	0.967	ug/l	91
14) Allyl chloride	2.648	41	880	0.530	ug/l #	25
16) Acetone	2.379	43	25436	45.362	ug/l	100
18) Methyl Acetate	2.709	43	1458	1.081	ug/l	92
20) Methylene Chloride	2.794	84	548	0.493	ug/l #	78
22) Diisopropyl ether	3.574	45	840	0.249	ug/l #	13
24) 1,1-Dichloroethane	3.605	63	578	0.305	ug/l #	83
25) 2-Butanone	4.580	43	4121	4.882	ug/l #	88
31) Cyclohexane	5.544	56	2041	1.241	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	6676	4.920	ug/l #	42
37) Ethyl Acetate	4.580	43	4121	2.357	ug/l #	70
38) Carbon Tetrachloride	5.544	117	8134	5.904	ug/l #	15
51) 4-Methyl-2-Pentanone	8.586	43	672	0.387	ug/l	93
52) Toluene	8.720	92	25294	10.061	ug/l	98
53) t-1,3-Dichloropropene	8.708	75	324	0.254	ug/l #	1
59) 2-Hexanone	9.457	43	470	0.374	ug/l	96
64) Tetrachloroethene	9.268	164	223	0.253	ug/l #	39
76) 1,2,3-Trichloropropane	11.079	75	34988	25.695	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34988	87.932	ug/l #	6

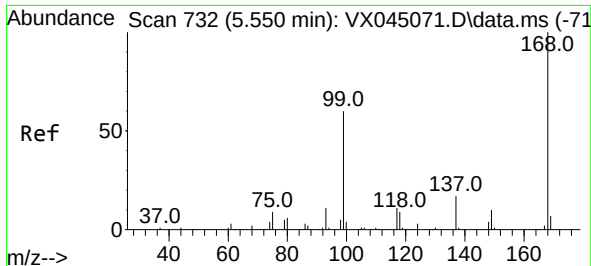
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

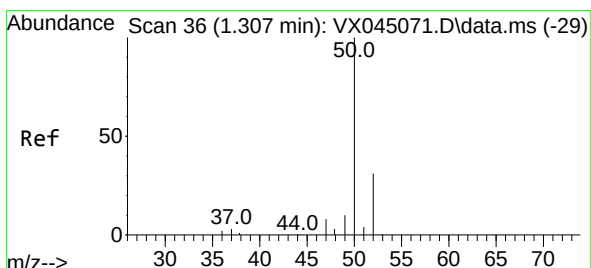
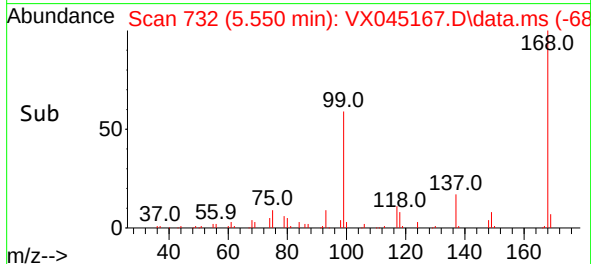
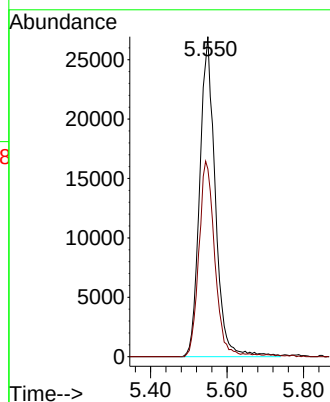
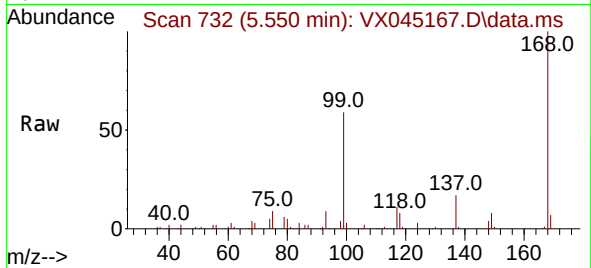




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

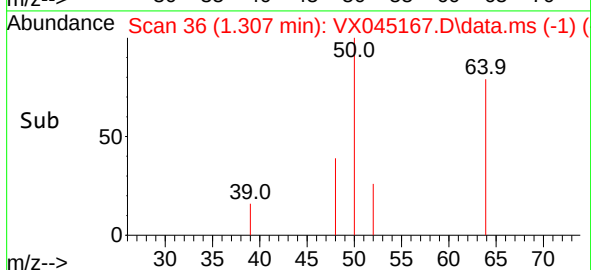
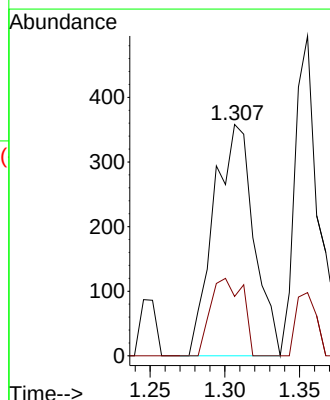
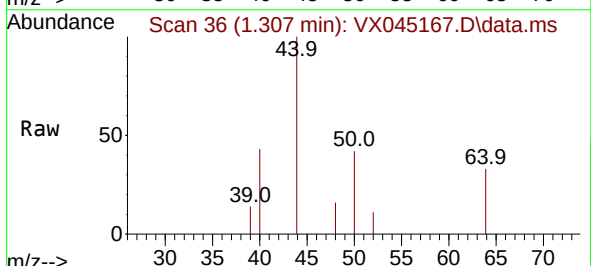
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

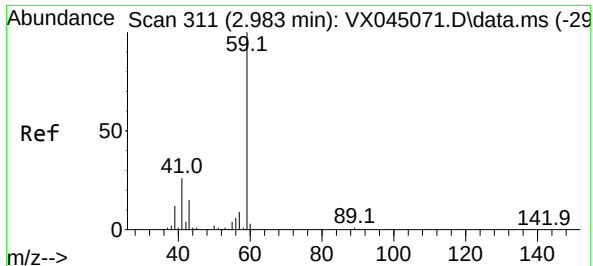
Tgt Ion:168 Resp: 75979
Ion Ratio Lower Upper
168 100
99 58.7 48.2 72.4



#3
Chloromethane
Concen: 0.573 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.000 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 50 Resp: 671
Ion Ratio Lower Upper
50 100
52 25.7 25.0 37.4

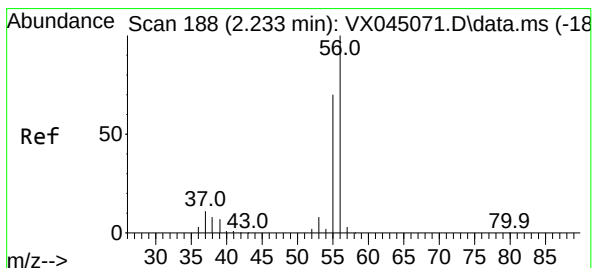
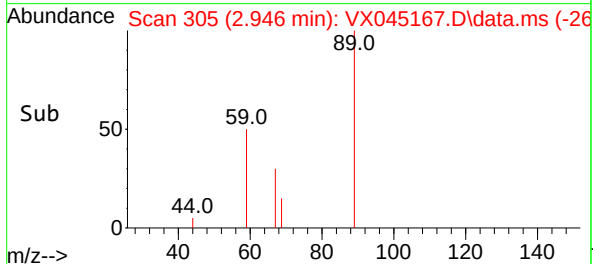
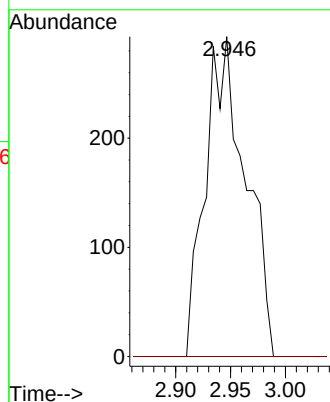
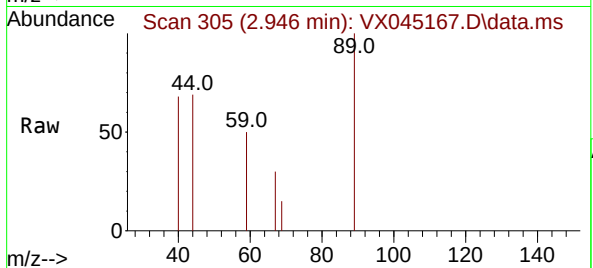




#11
Tert butyl alcohol
Concen: 3.276 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

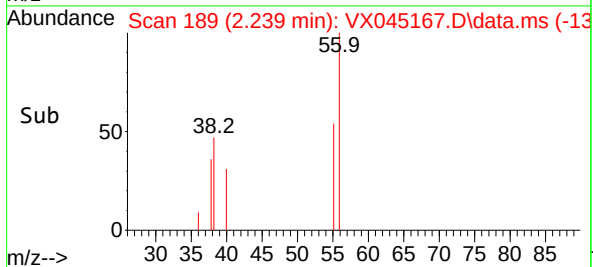
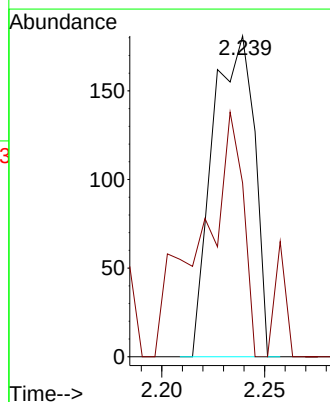
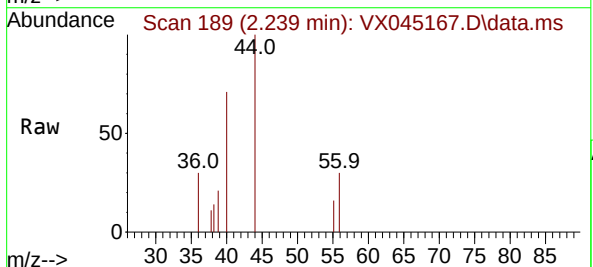
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

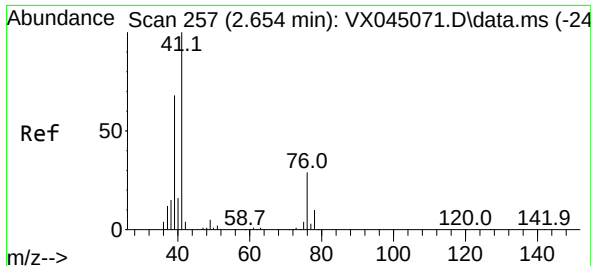
Tgt Ion: 59 Resp: 750
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.967 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
55 77.3 56.2 84.4

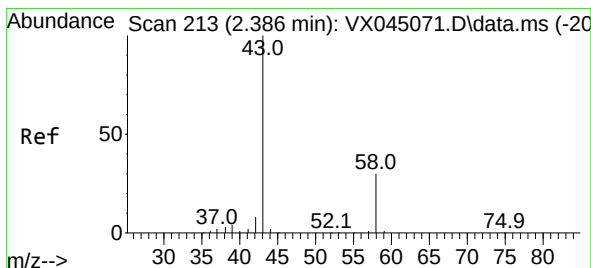
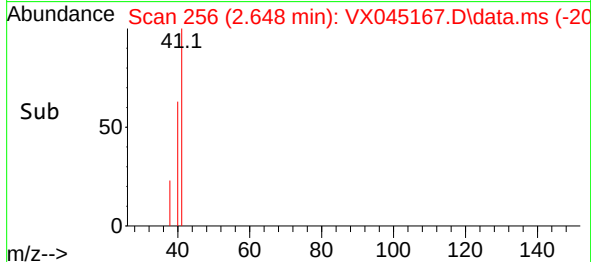
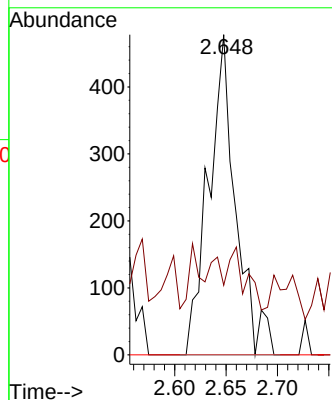
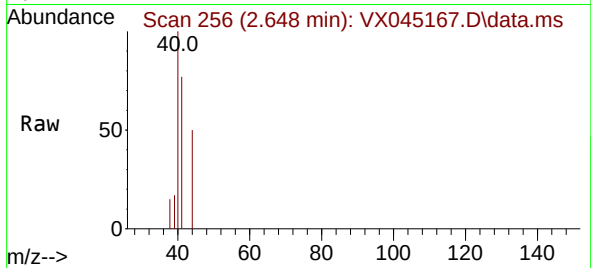




#14
 Allyl chloride
 Concen: 0.530 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045167.D
 Acq: 06 Mar 2025 14:43

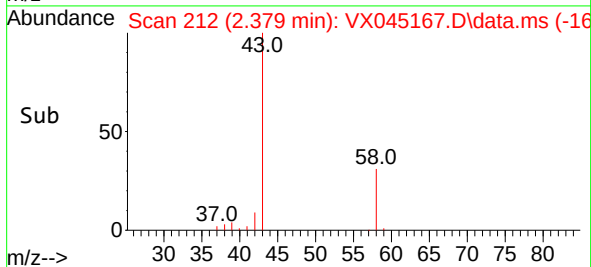
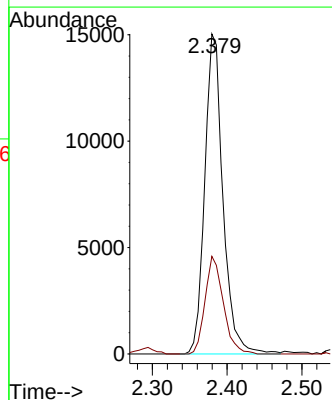
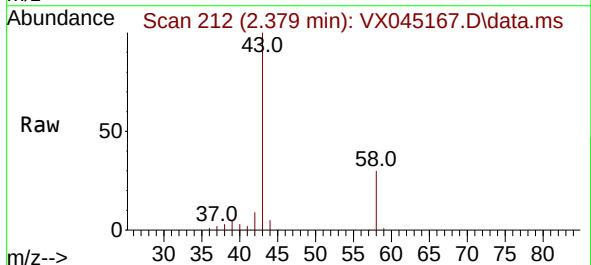
Instrument :
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 ClientSampleId :
 BR-05-465-030525RE

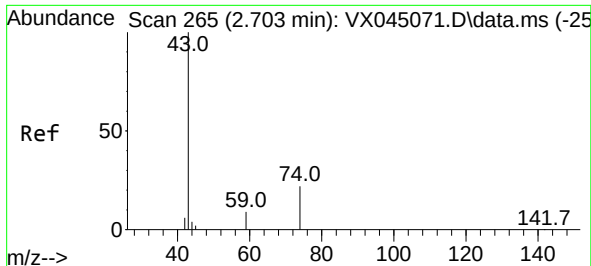
Tgt Ion: 41 Resp: 880
 Ion Ratio Lower Upper
 41 100
 39 0.0 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 45.362 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045167.D
 Acq: 06 Mar 2025 14:43

Tgt Ion: 43 Resp: 25436
 Ion Ratio Lower Upper
 43 100
 58 30.5 24.2 36.4

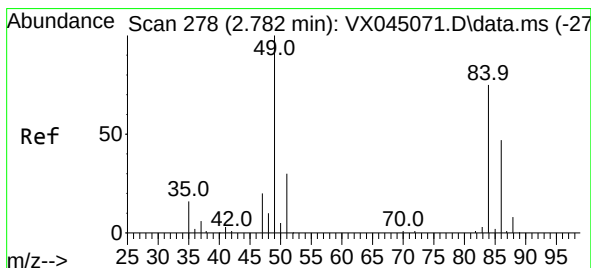
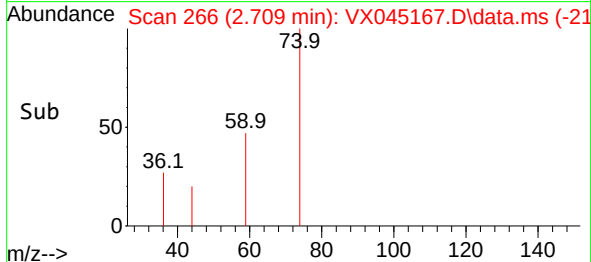
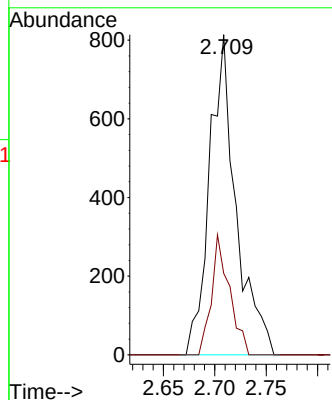
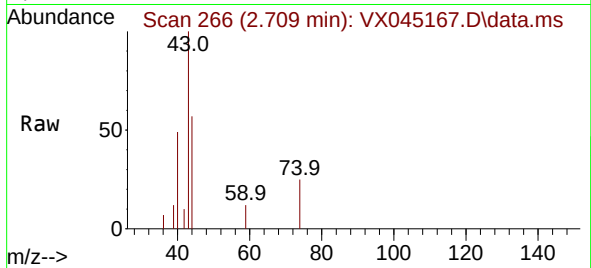




#18
Methyl Acetate
Concen: 1.081 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

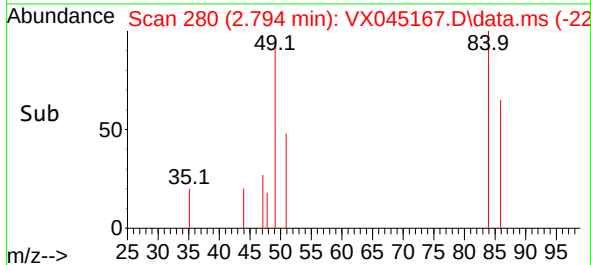
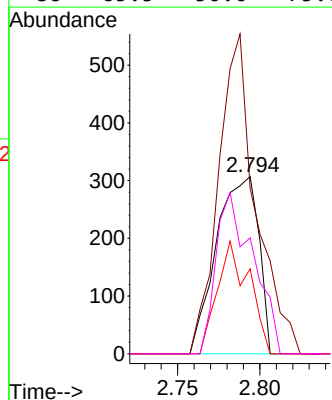
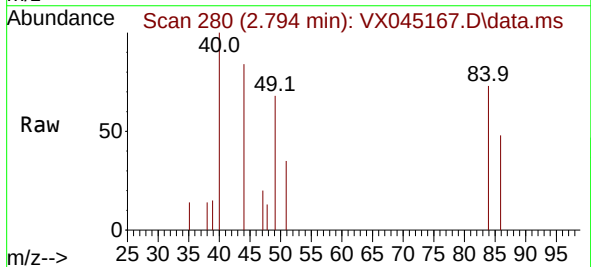
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

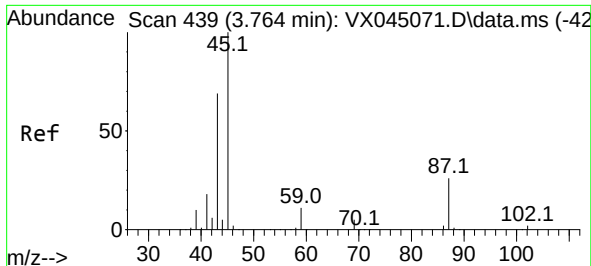
Tgt Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
74 25.4 17.4 26.2



#20
Methylene Chloride
Concen: 0.493 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 84 Resp: 548
Ion Ratio Lower Upper
84 100
49 93.5 106.5 159.7#
51 47.9 32.1 48.1
86 65.5 50.0 75.0

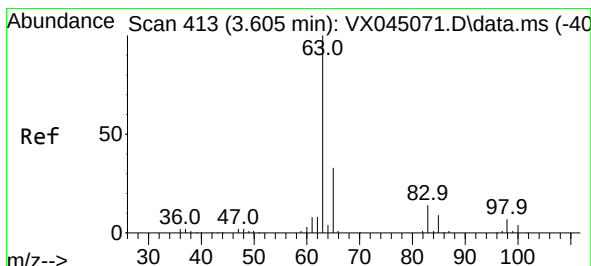
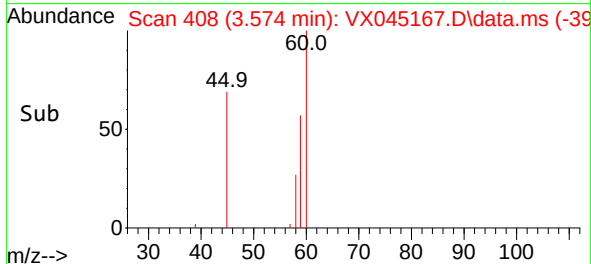
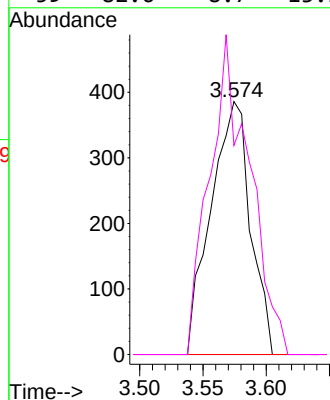
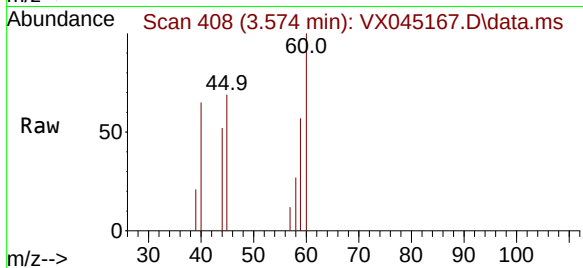




#22
Diisopropyl ether
Concen: 0.249 ug/l
RT: 3.574 min Scan# 408
Delta R.T. -0.189 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

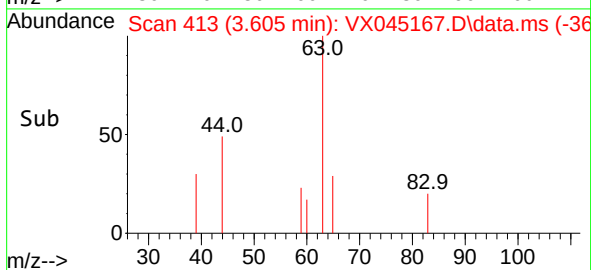
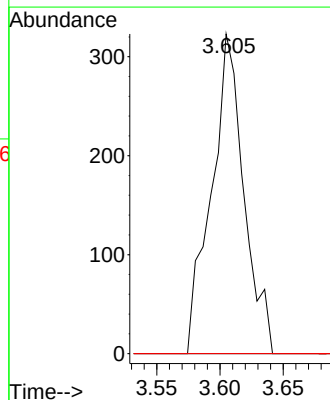
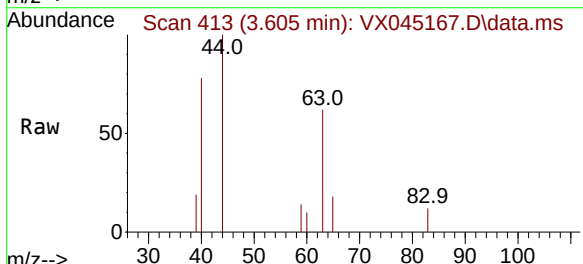
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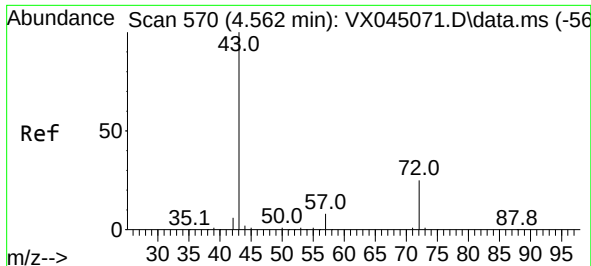
Tgt Ion:	45	Resp:	840
Ion	Ratio	Lower	Upper
45	100		
43	0.0	54.9	82.3#
87	0.0	21.0	31.4#
59	82.6	8.7	13.1#



#24
1,1-Dichloroethane
Concen: 0.305 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion:	63	Resp:	578
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#

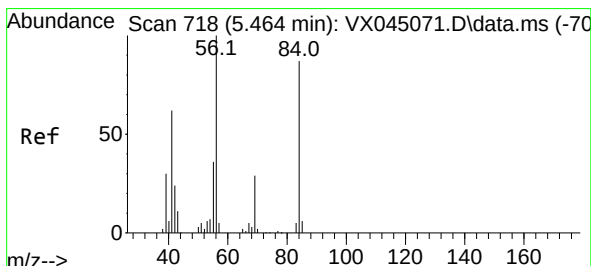
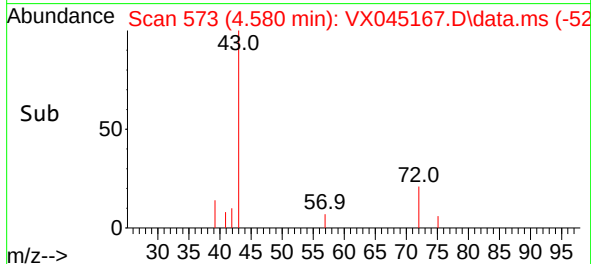
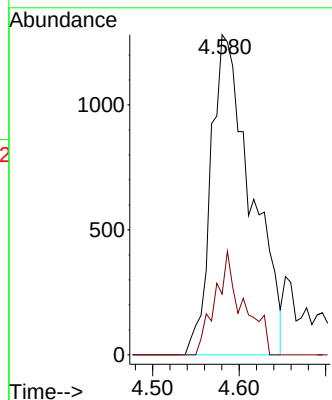
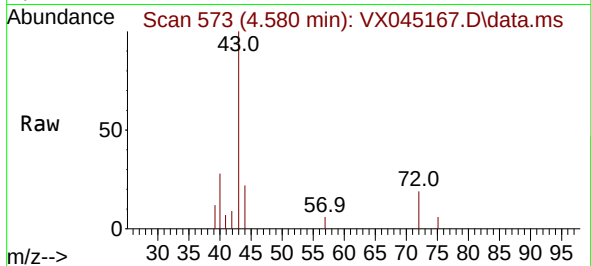




#25
2-Butanone
Concen: 4.882 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

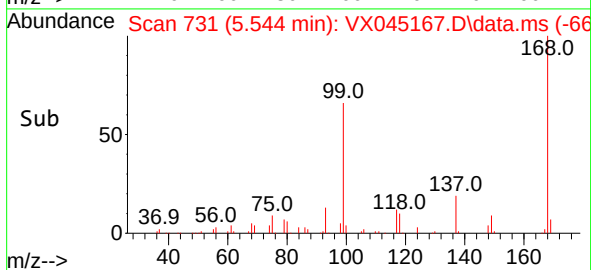
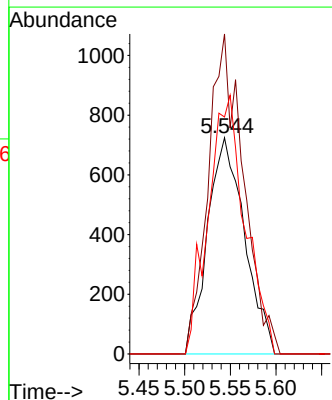
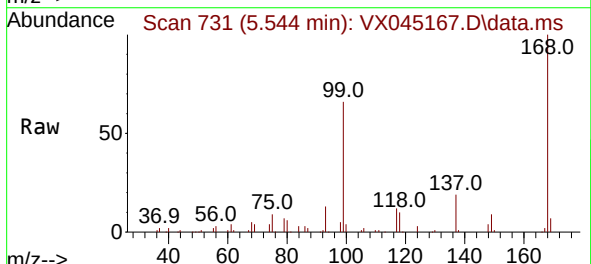
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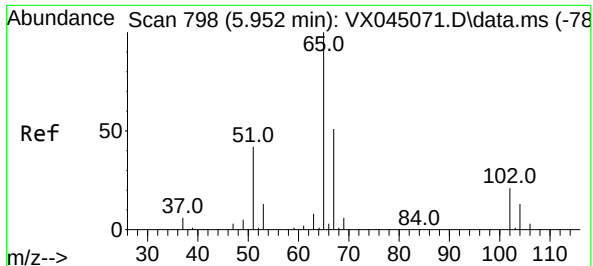
Tgt Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
72 19.0 20.0 30.0#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 56 Resp: 2041
Ion Ratio Lower Upper
56 100
69 148.1 23.4 35.2#
84 109.7 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 51.554 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045167.D

Acq: 06 Mar 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

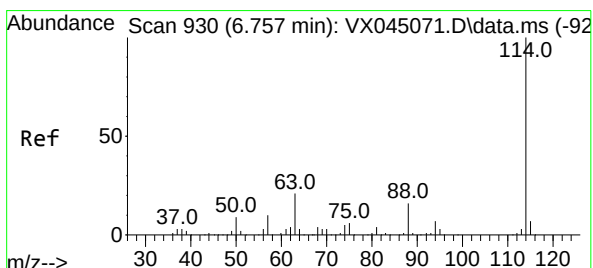
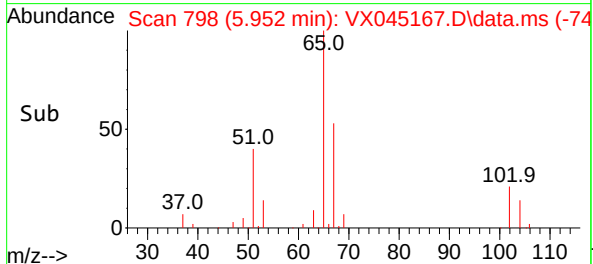
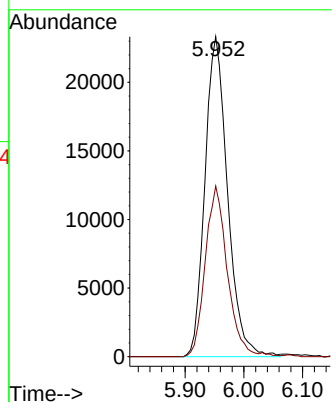
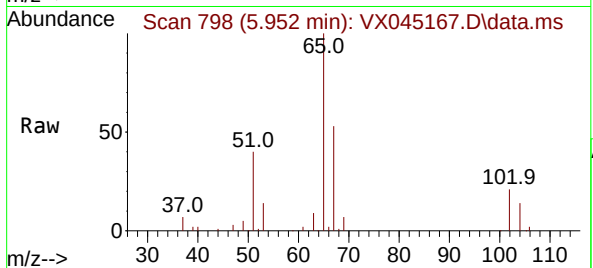
BR-05-465-030525RE

Tgt Ion: 65 Resp: 62306

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045167.D

Acq: 06 Mar 2025 14:43

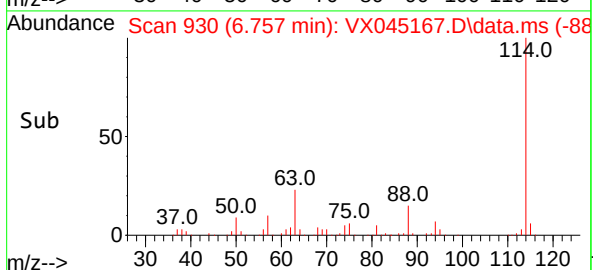
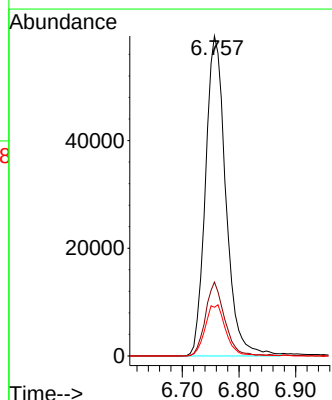
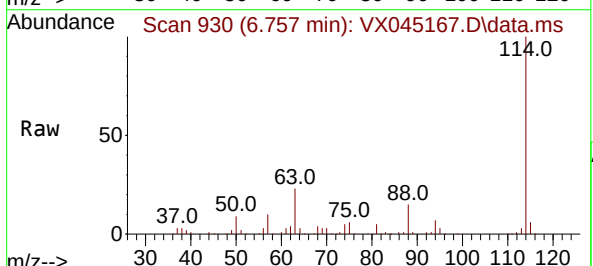
Tgt Ion: 114 Resp: 147971

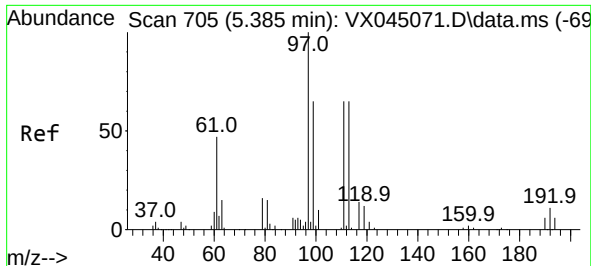
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.8

88 15.2 0.0 32.8

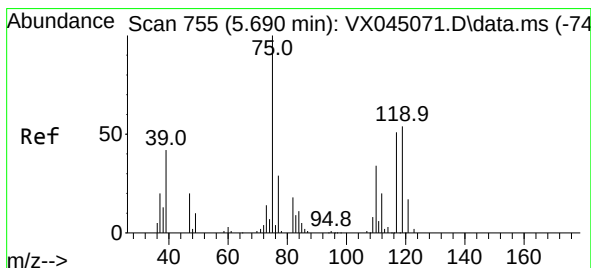
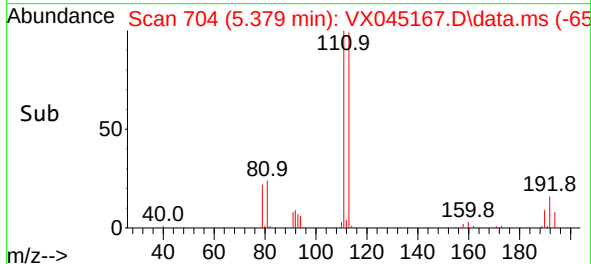
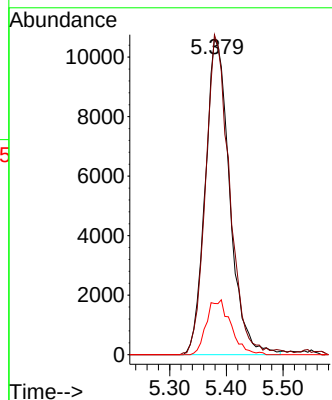
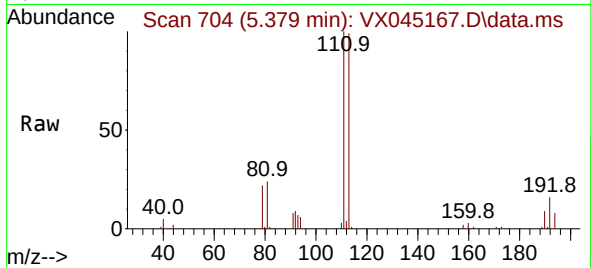




#35
Dibromofluoromethane
Concen: 32.060 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

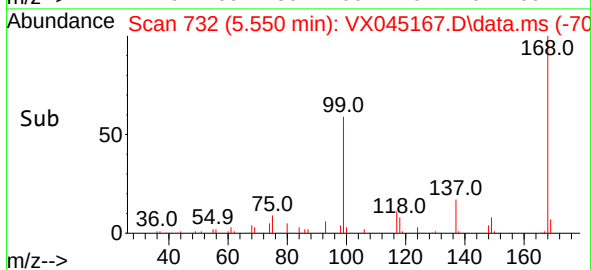
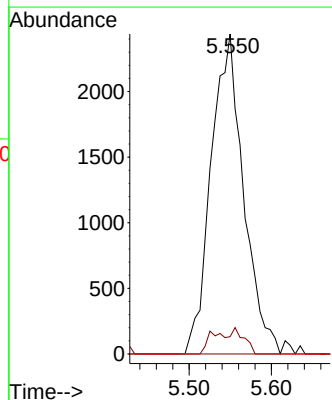
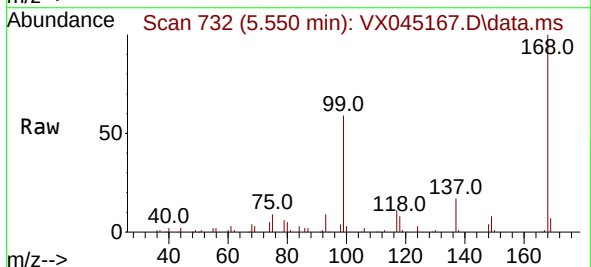
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

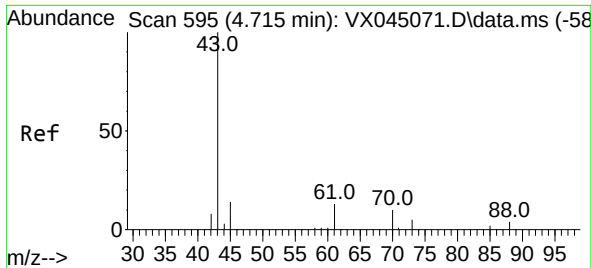
Tgt Ion:113 Resp: 31722
Ion Ratio Lower Upper
113 100
111 99.2 81.8 122.6
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 75 Resp: 6676
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.6#
77 0.0 24.5 36.7#

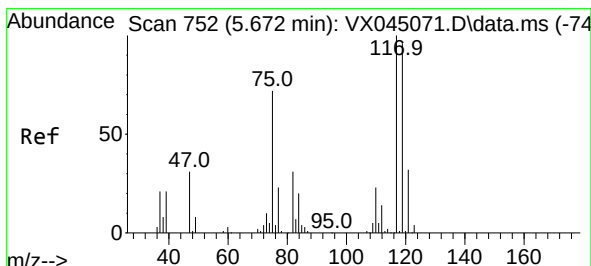
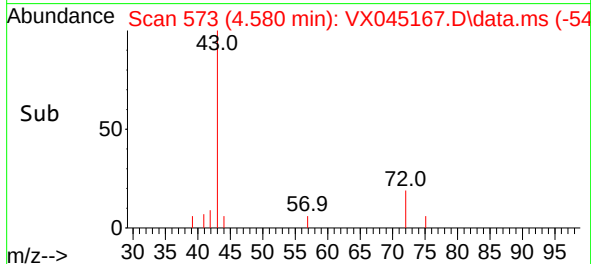
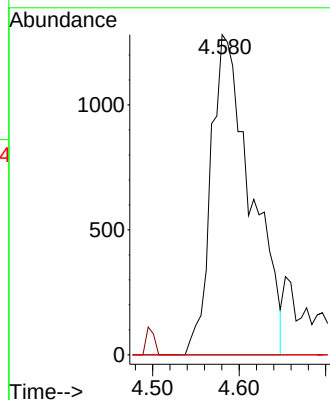
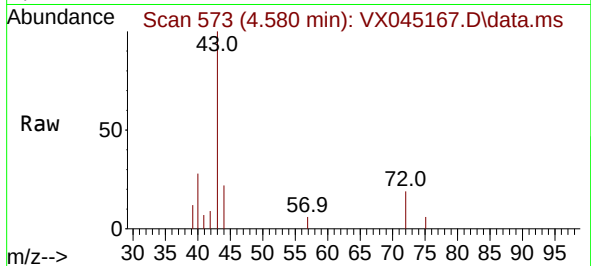




#37
Ethyl Acetate
Concen: 2.357 ug/l
RT: 4.580 min Scan# 51
Delta R.T. -0.134 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

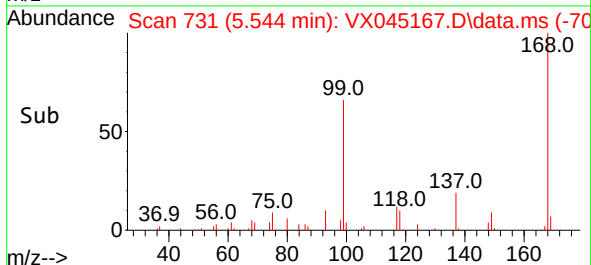
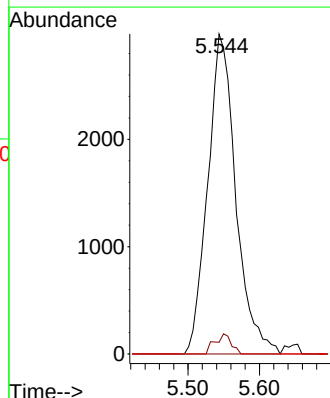
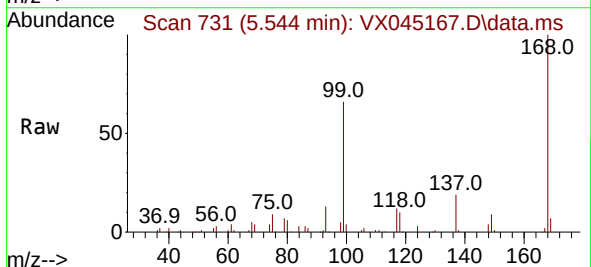
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

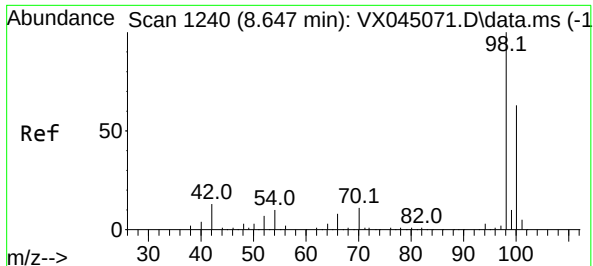
Tgt Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 117 Resp: 8134
Ion Ratio Lower Upper
117 100
119 3.7 76.7 115.1#
121 0.0 25.5 38.3#

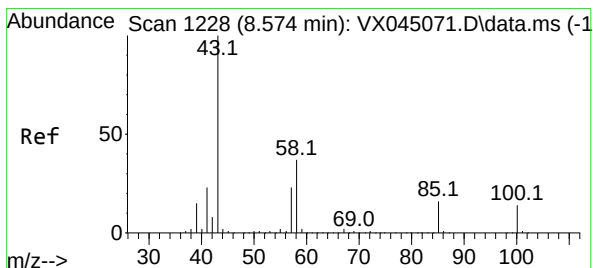
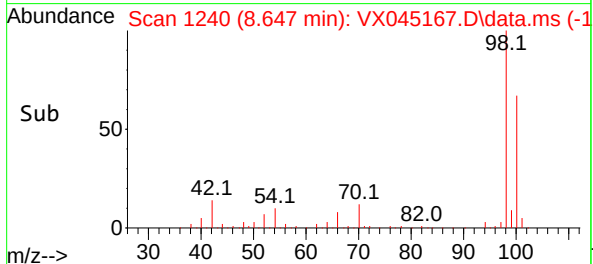
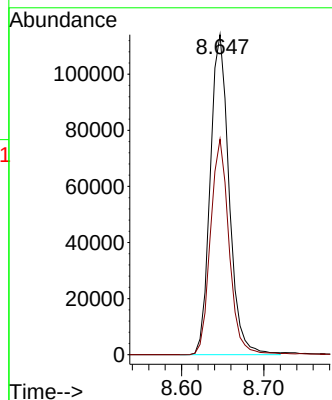
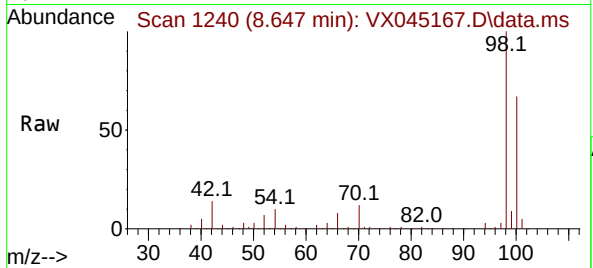




#50
Toluene-d8
Concen: 50.765 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

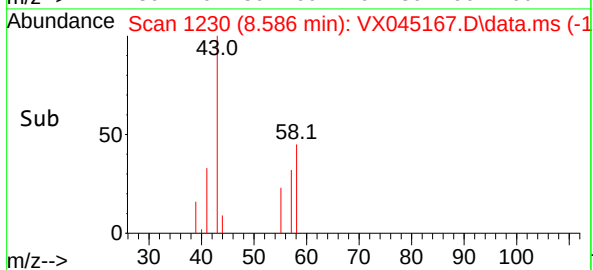
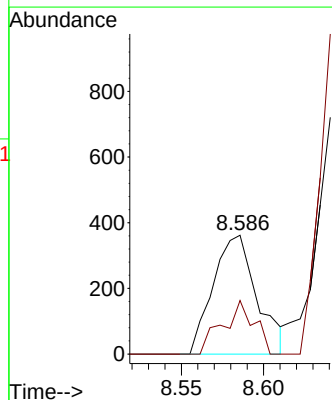
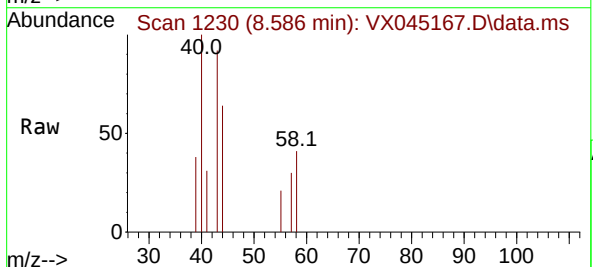
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

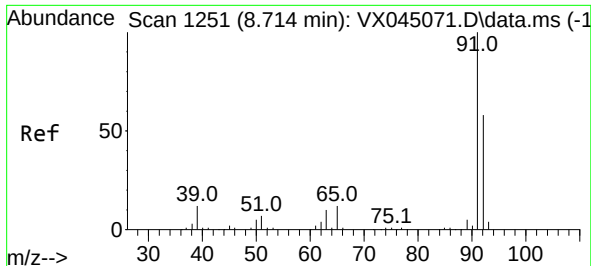
Tgt Ion: 98 Resp: 182099
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.387 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
58 32.4 29.2 43.8

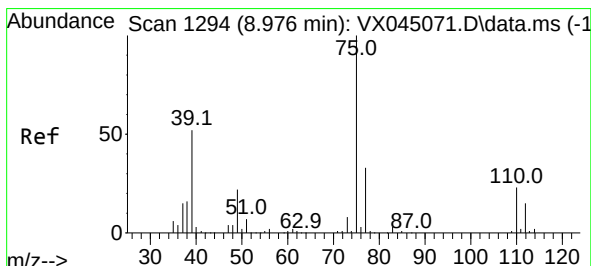
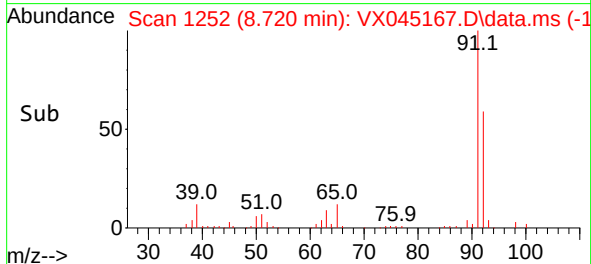
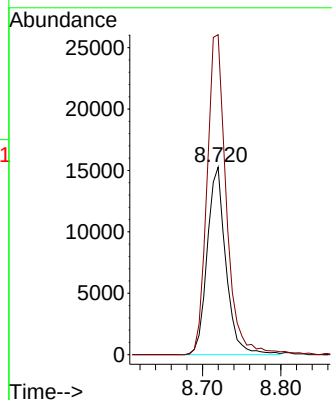
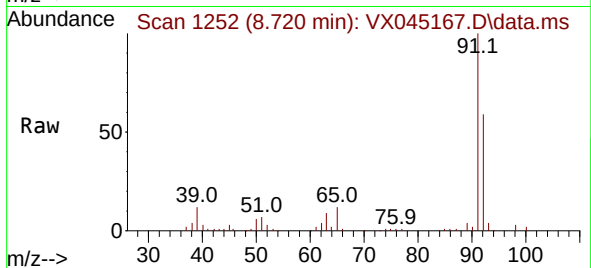




#52
Toluene
Concen: 10.061 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

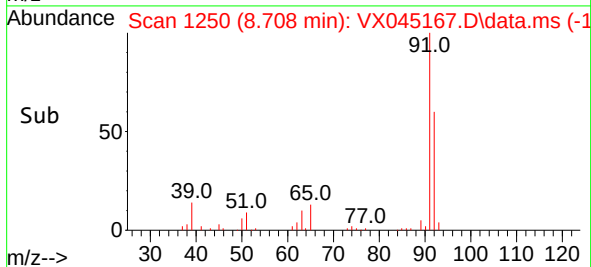
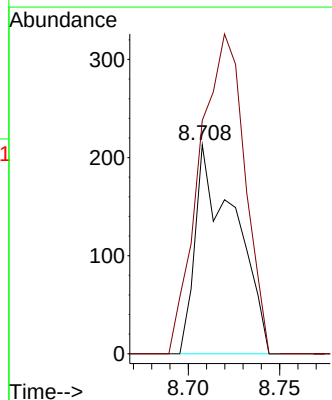
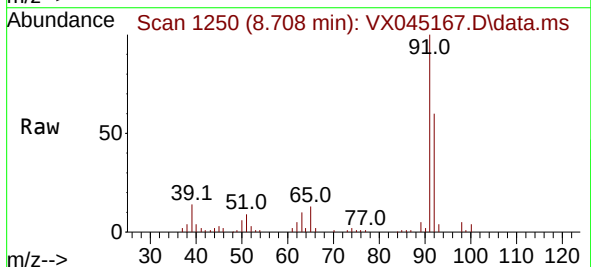
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

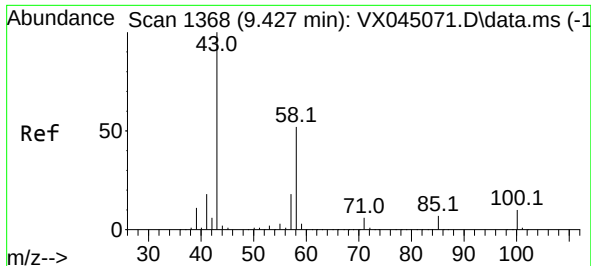
Tgt Ion: 92 Resp: 25294
Ion Ratio Lower Upper
92 100
91 176.8 138.9 208.3



#53
t-1,3-Dichloropropene
Concen: 0.254 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. -0.268 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion: 75 Resp: 324
Ion Ratio Lower Upper
75 100
77 111.7 26.5 39.7#





#59

2-Hexanone

Concen: 0.374 ug/l

RT: 9.457 min Scan# 11

Delta R.T. 0.030 min

Lab File: VX045167.D

Acq: 06 Mar 2025 14:43

Instrument :

MSVOA_X

ClientSampleId :

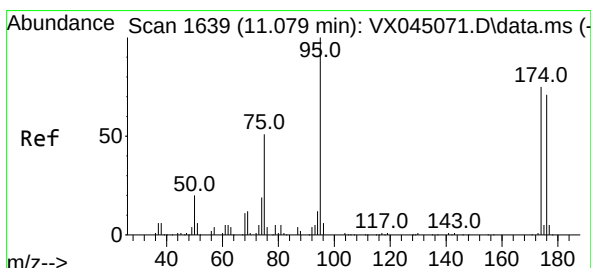
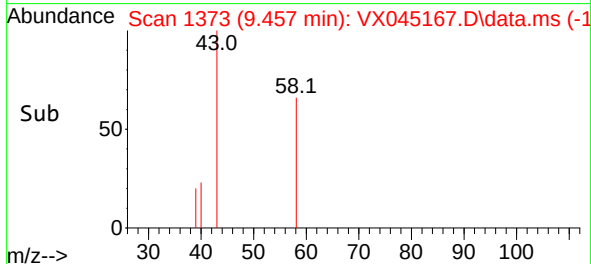
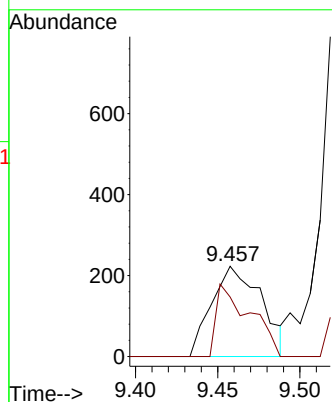
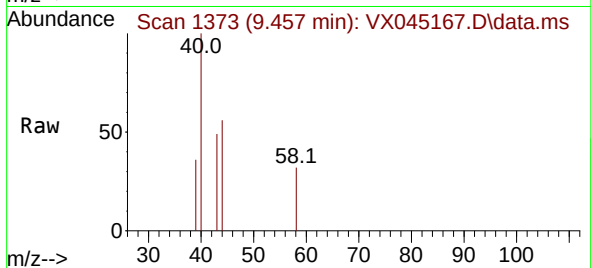
BR-05-465-030525RE

Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

58 54.3 25.9 77.6



#62

4-Bromofluorobenzene

Concen: 53.912 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045167.D

Acq: 06 Mar 2025 14:43

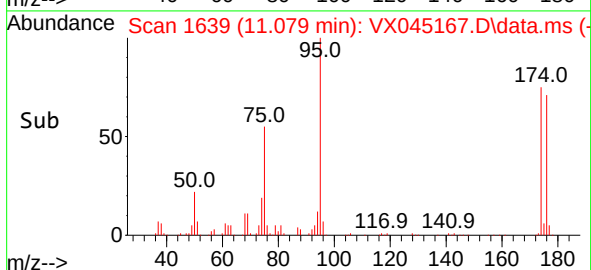
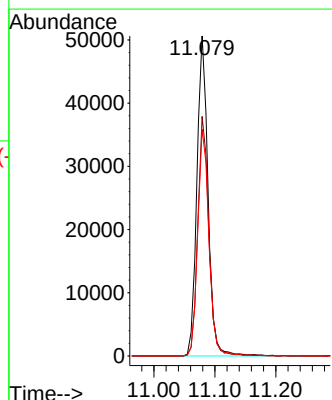
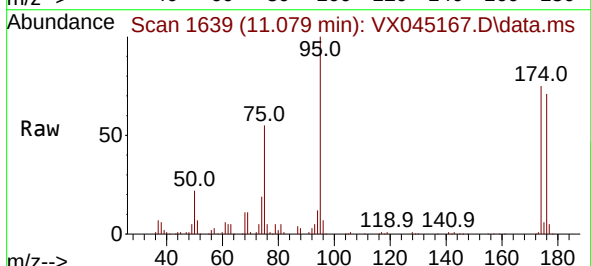
Tgt Ion: 95 Resp: 64082

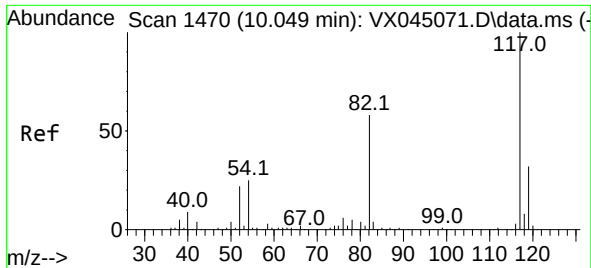
Ion Ratio Lower Upper

95 100

174 74.5 0.0 148.2

176 71.4 0.0 141.4

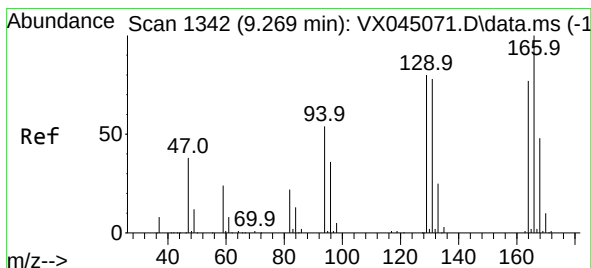
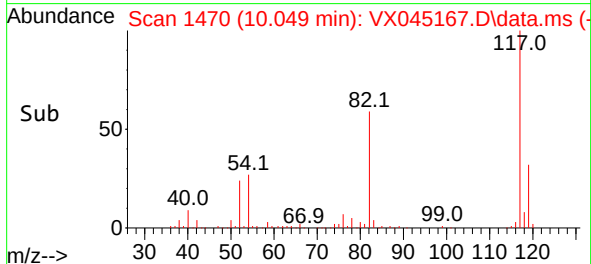
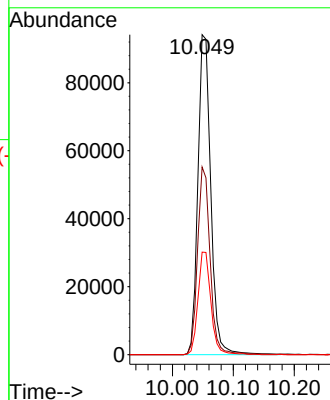
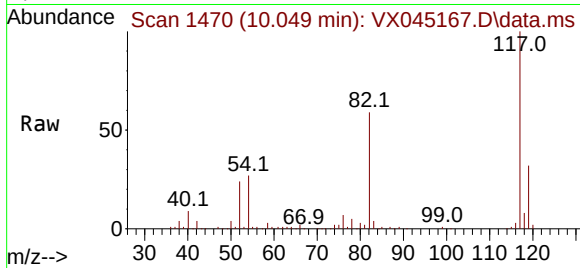




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

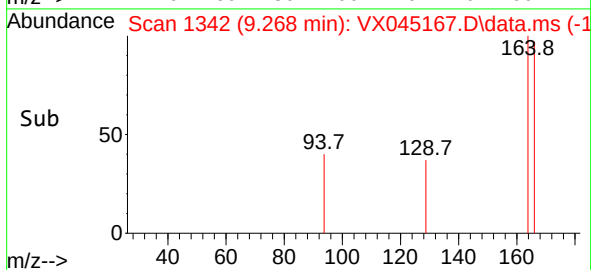
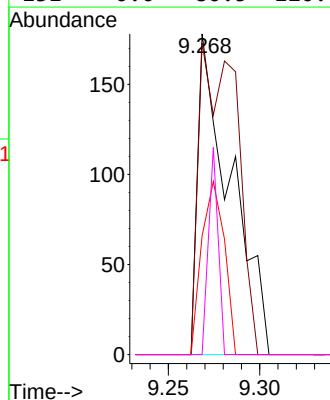
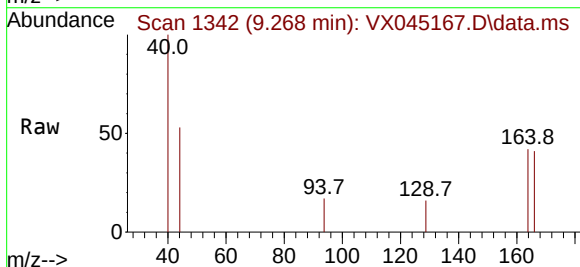
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525RE

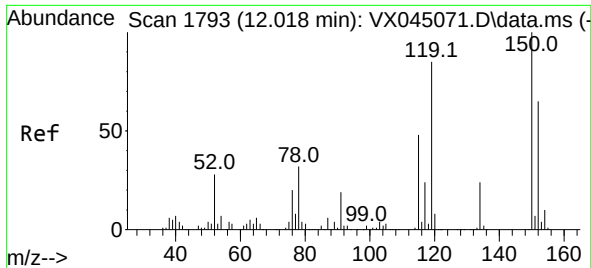
Tgt Ion:117 Resp: 137883
Ion Ratio Lower Upper
117 100
82 58.7 46.3 69.5
119 32.0 25.7 38.5



#64
Tetrachloroethene
Concen: 0.253 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045167.D
Acq: 06 Mar 2025 14:43

Tgt Ion:164 Resp: 223
Ion Ratio Lower Upper
164 100
166 97.2 103.6 155.4#
129 37.1 82.7 124.1#
131 0.0 80.5 120.7#

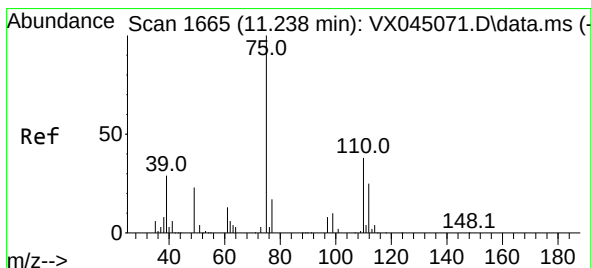
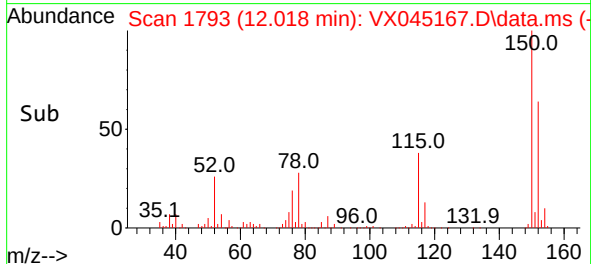
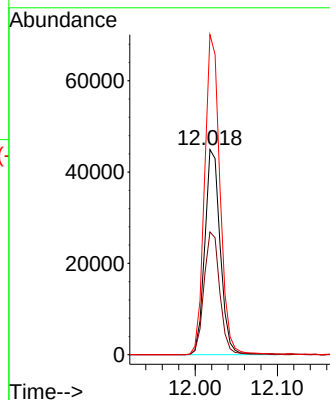
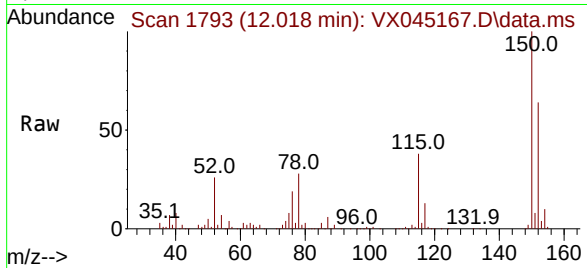




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045167.D
 Acq: 06 Mar 2025 14:43

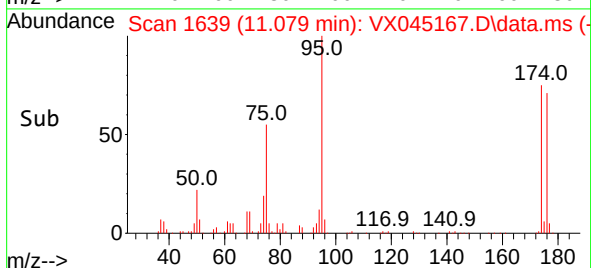
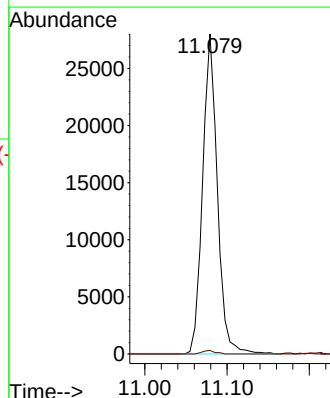
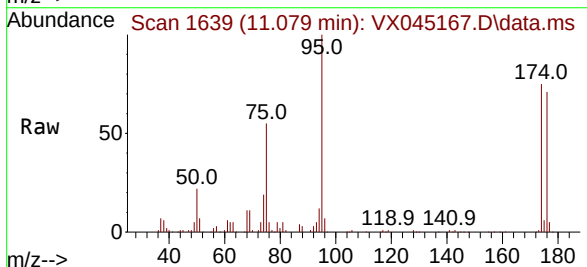
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-030525RE

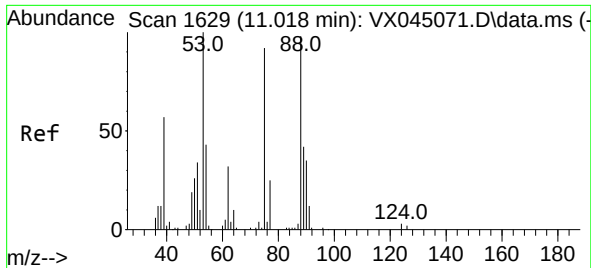
Tgt Ion:152 Resp: 58504
 Ion Ratio Lower Upper
 152 100
 115 61.3 44.2 132.6
 150 155.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.695 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045167.D
 Acq: 06 Mar 2025 14:43

Tgt Ion: 75 Resp: 34988
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.932 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045167.D
 Acq: 06 Mar 2025 14:43

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-030525RE

Tgt Ion: 75 Resp: 34988
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.1 36.2 54.4#

