

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045162.D
 Acq On : 06 Mar 2025 12:46
 Operator : JC/MD
 Sample : Q1501-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Mar 07 00:40:22 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)

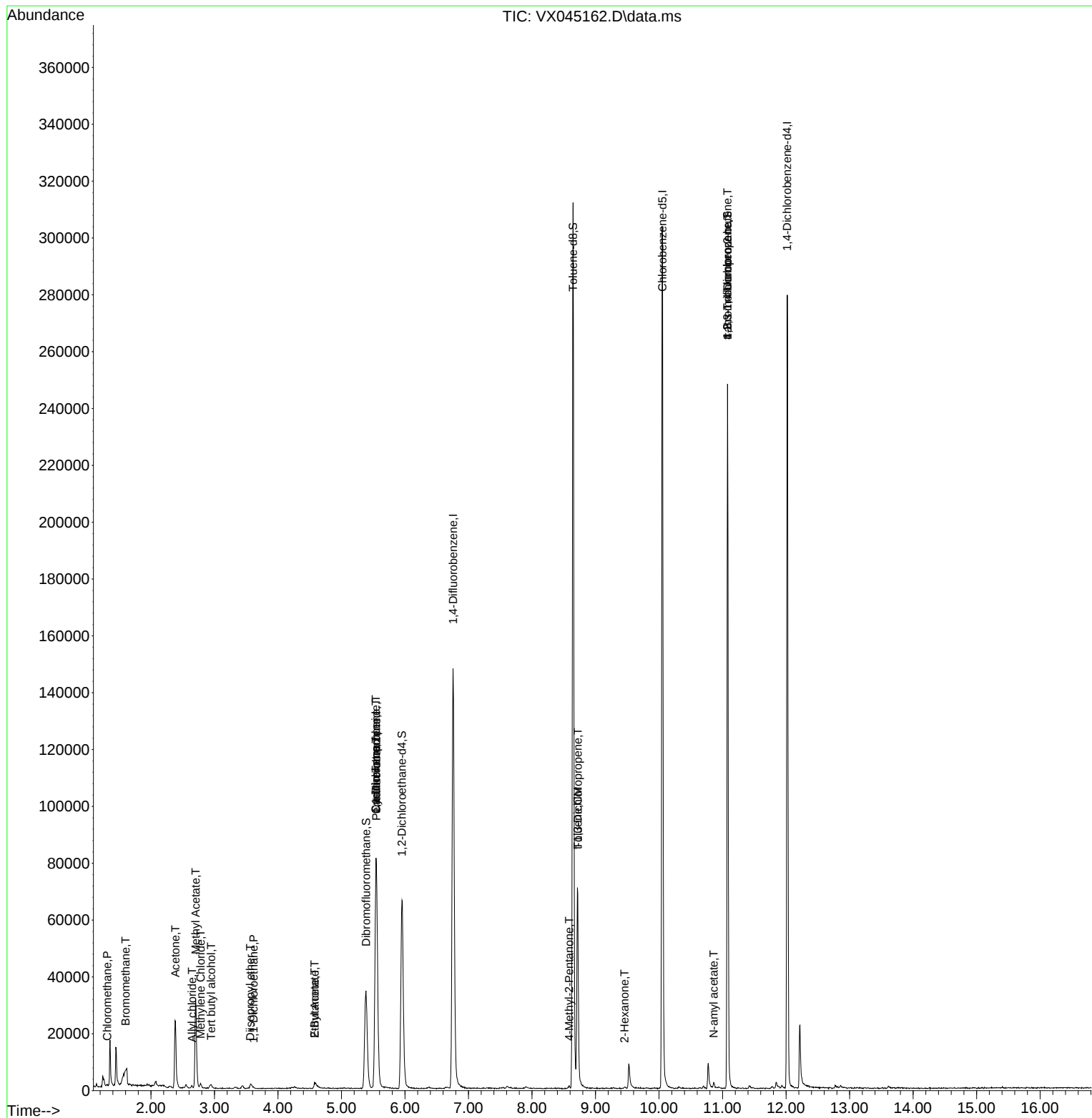
Internal Standards						
1) Pentafluorobenzene	5.549	168	75251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63460	53.017	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.040%	
35) Dibromofluoromethane	5.385	113	30932	31.227	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 62.460%#	
50) Toluene-d8	8.646	98	184959	51.504	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	11.079	95	61883	52.003	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.312	50	664	0.573	ug/l	98
5) Bromomethane	1.599	94	126	0.279	ug/l #	3
11) Tert butyl alcohol	2.946	59	1025	4.521	ug/l #	73
14) Allyl chloride	2.648	41	826	0.502	ug/l #	44
16) Acetone	2.385	43	26153	47.092	ug/l	94
18) Methyl Acetate	2.702	43	37730	28.241	ug/l	100
20) Methylene Chloride	2.782	84	625	0.568	ug/l #	72
22) Diisopropyl ether	3.562	45	860	0.257	ug/l #	10
24) 1,1-Dichloroethane	3.617	63	677	0.361	ug/l #	83
25) 2-Butanone	4.574	43	4764	5.699	ug/l #	85
31) Cyclohexane	5.543	56	1923	1.181	ug/l #	5
36) 1,1-Dichloropropene	5.543	75	6645	4.892	ug/l #	50
37) Ethyl Acetate	4.574	43	4764	2.722	ug/l #	70
38) Carbon Tetrachloride	5.543	117	7953	5.767	ug/l #	16
51) 4-Methyl-2-Pentanone	8.585	43	669	0.385	ug/l #	83
52) Toluene	8.720	92	26485	10.523	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	310	0.243	ug/l #	1
59) 2-Hexanone	9.457	43	581	0.461	ug/l	65
74) N-amyl acetate	10.859	43	563	0.277	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	34313	26.607	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34313	91.054	ug/l #	6

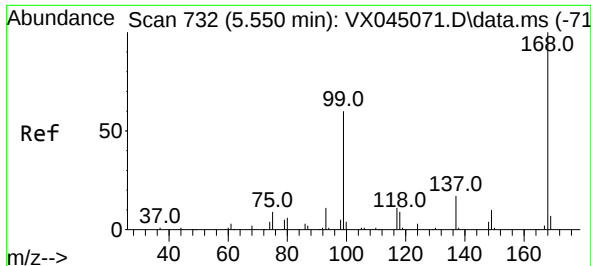
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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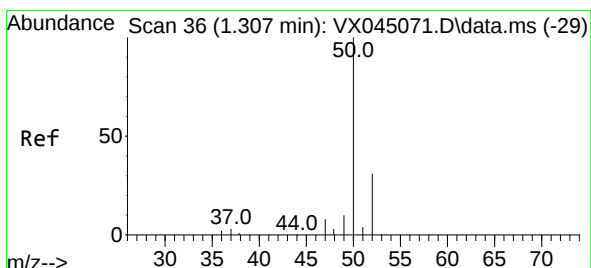
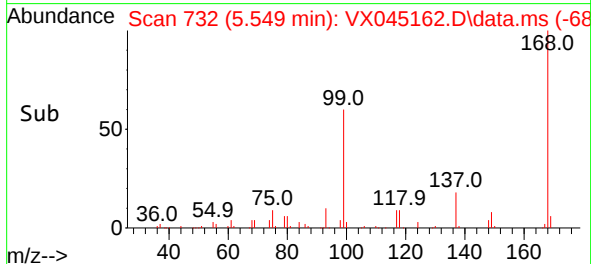
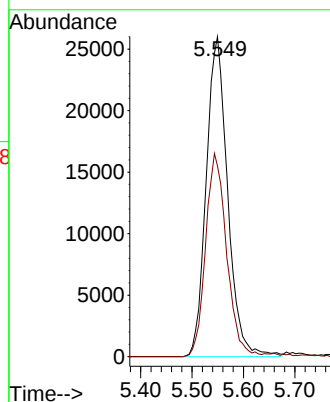
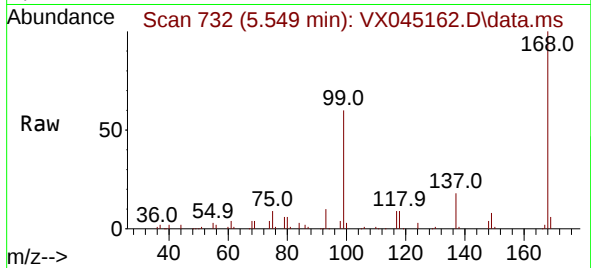




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

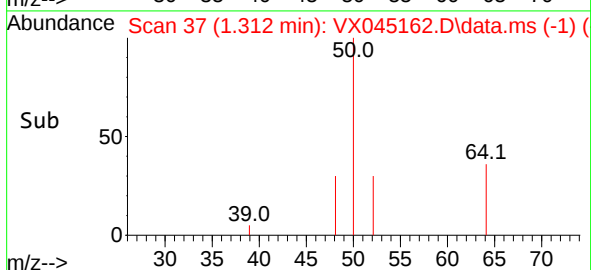
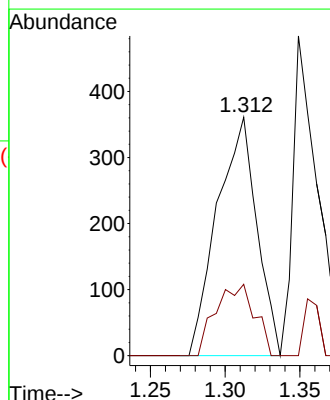
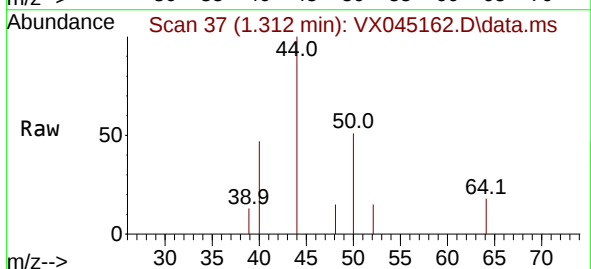
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

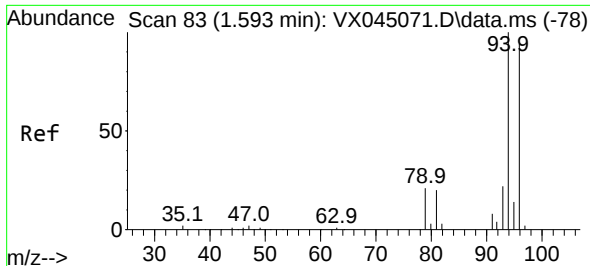
Tgt Ion:168 Resp: 75251
Ion Ratio Lower Upper
168 100
99 59.6 48.2 72.4



#3
Chloromethane
Concen: 0.573 ug/l
RT: 1.312 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 50 Resp: 664
Ion Ratio Lower Upper
50 100
52 29.9 25.0 37.4

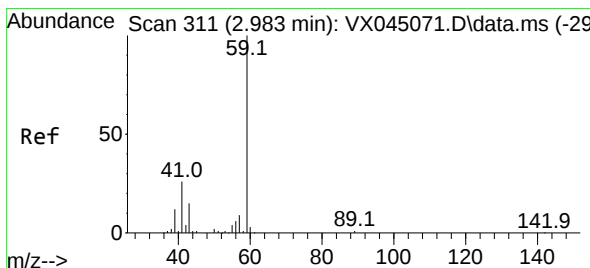
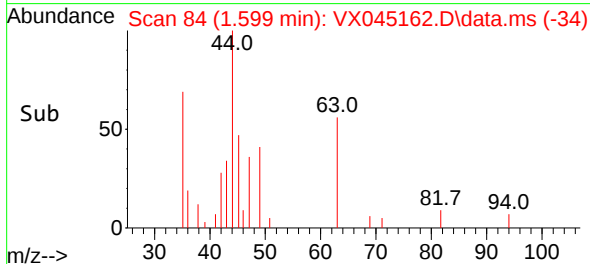
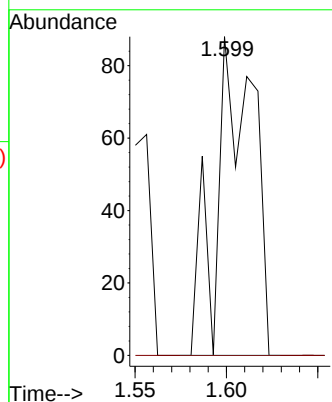
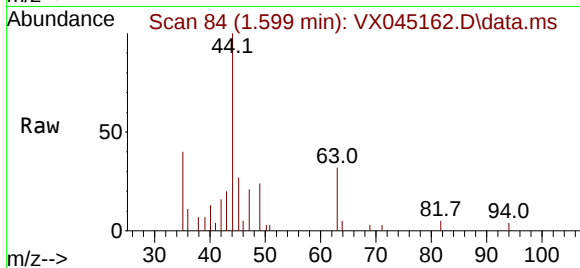




#5
Bromomethane
Concen: 0.279 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

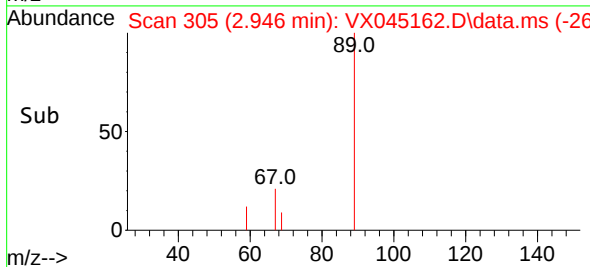
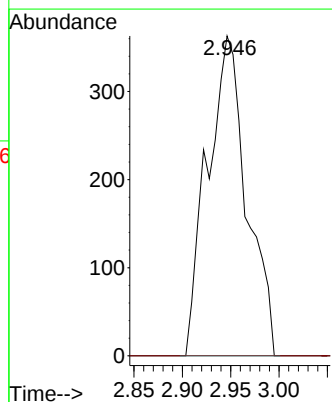
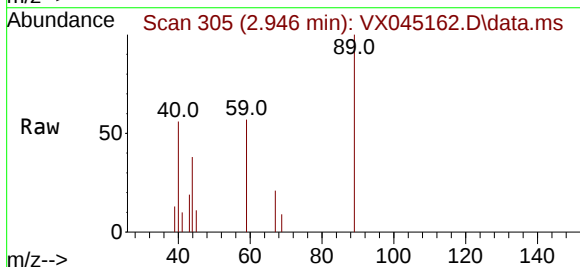
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ClientSampleId :
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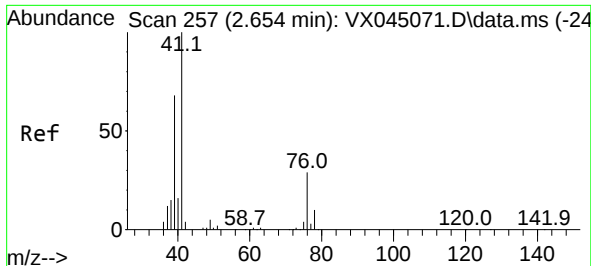
Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#



#11
Tert butyl alcohol
Concen: 4.521 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 59 Resp: 1025
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

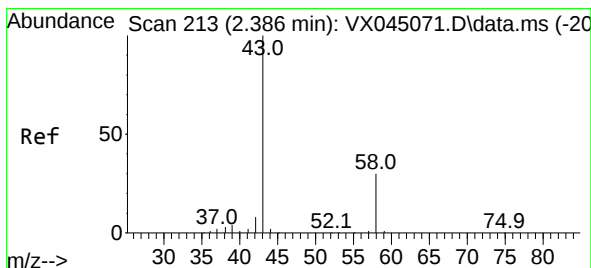
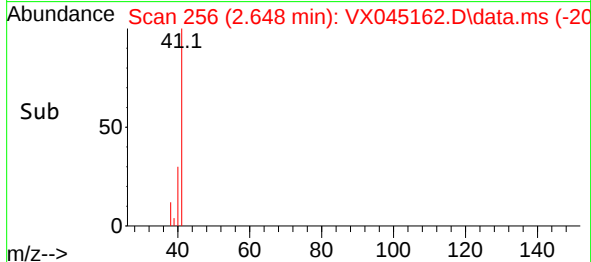
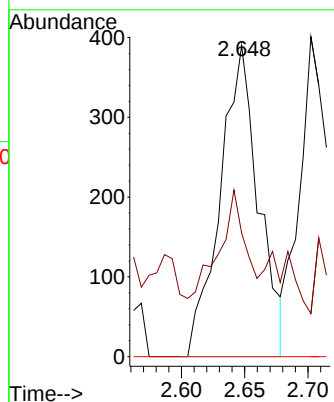
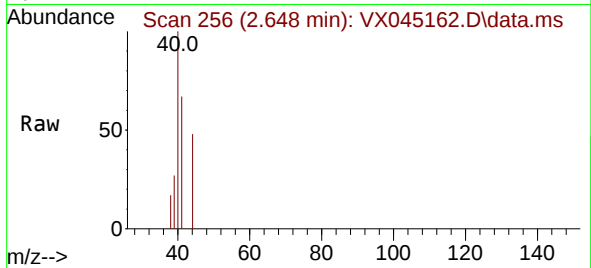




#14
 Allyl chloride
 Concen: 0.502 ug/l
 RT: 2.648 min Scan# 214
 Delta R.T. -0.006 min
 Lab File: VX045162.D
 Acq: 06 Mar 2025 12:46

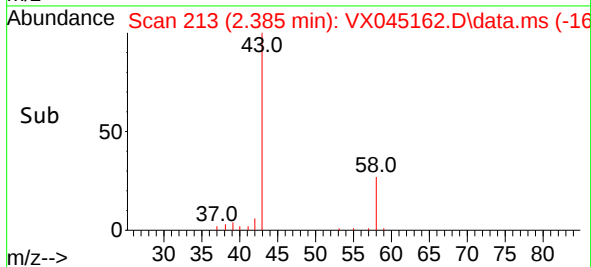
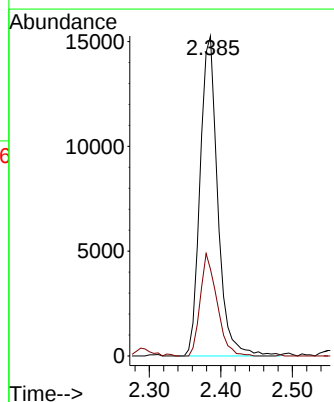
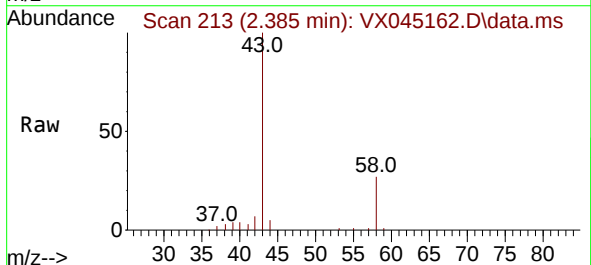
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-05-465-030525

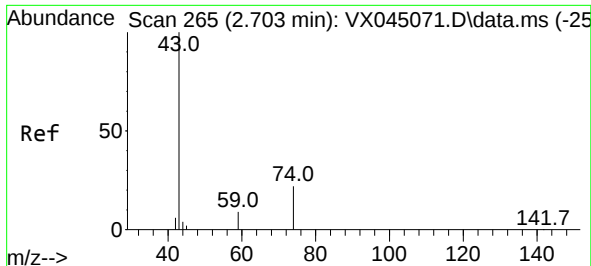
Tgt Ion: 41 Resp: 826
 Ion Ratio Lower Upper
 41 100
 39 22.8 53.8 80.8#
 76 0.0 25.2 37.8#



#16
 Acetone
 Concen: 47.092 ug/l
 RT: 2.385 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045162.D
 Acq: 06 Mar 2025 12:46

Tgt Ion: 43 Resp: 26153
 Ion Ratio Lower Upper
 43 100
 58 27.2 24.2 36.4

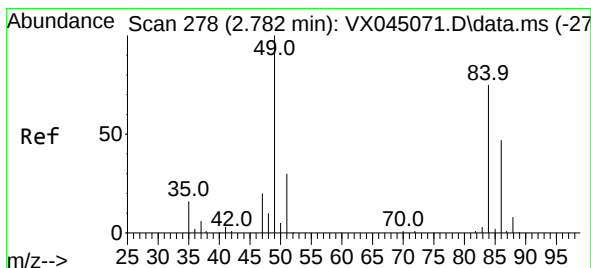
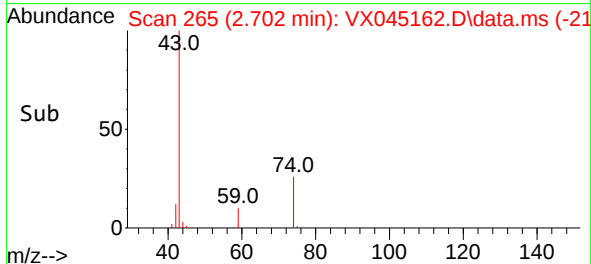
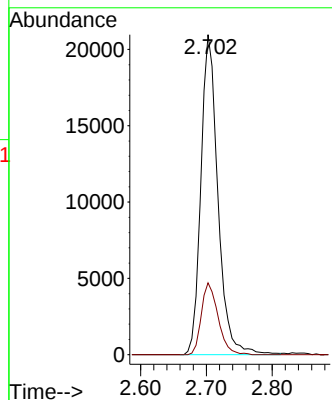
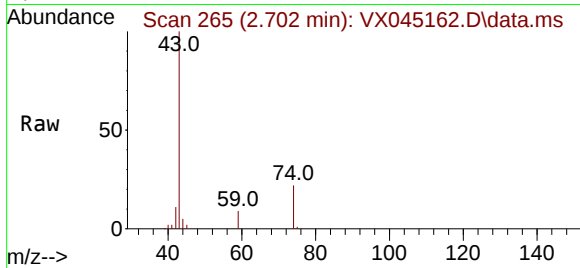




#18
Methyl Acetate
Concen: 28.241 ug/l
RT: 2.702 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

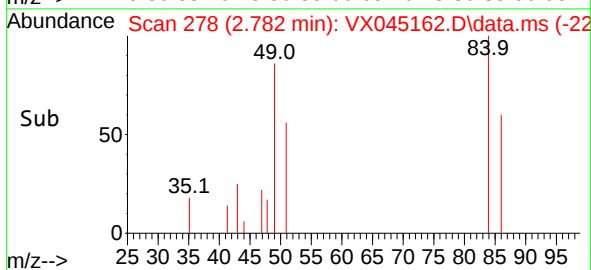
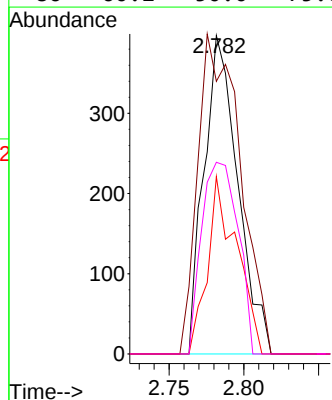
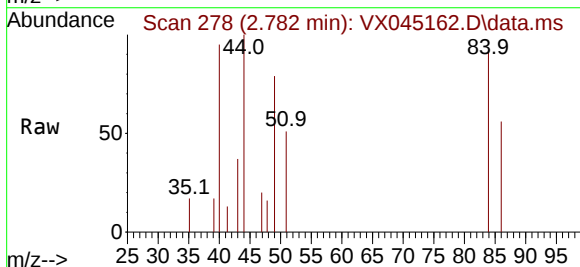
Instrument :
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ClientSampleId :
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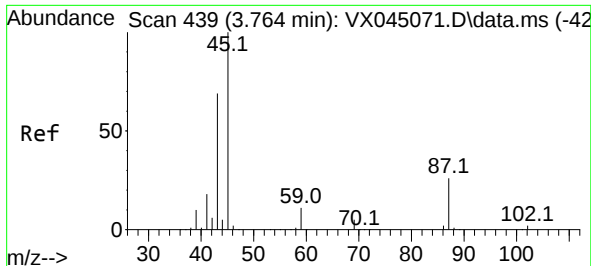
Tgt Ion: 43 Resp: 37730
Ion Ratio Lower Upper
43 100
74 22.0 17.4 26.2



#20
Methylene Chloride
Concen: 0.568 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 84 Resp: 625
Ion Ratio Lower Upper
84 100
49 85.6 106.5 159.7#
51 55.7 32.1 48.1#
86 60.2 50.0 75.0

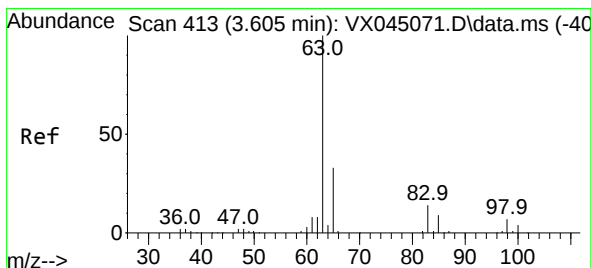
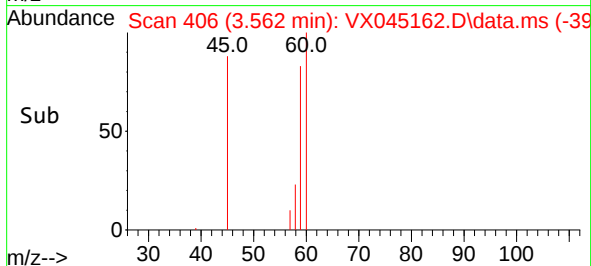
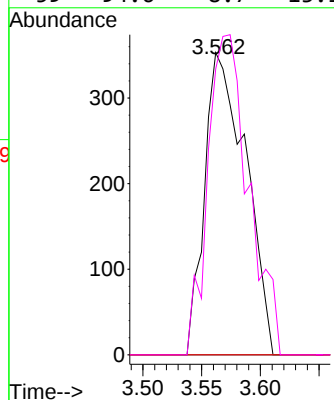
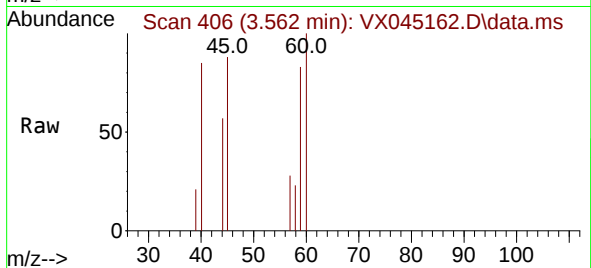




#22
Diisopropyl ether
Concen: 0.257 ug/l
RT: 3.562 min Scan# 406
Delta R.T. -0.202 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

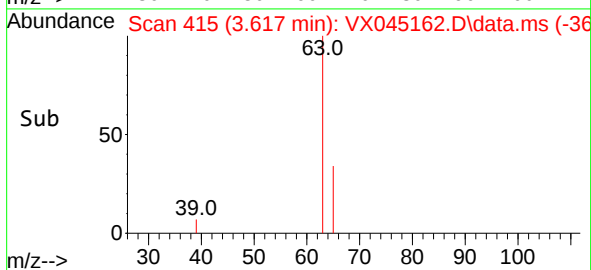
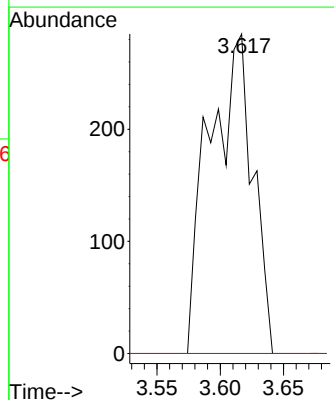
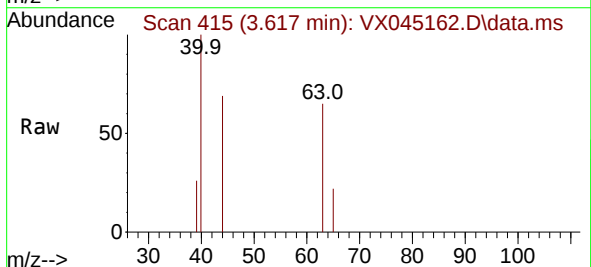
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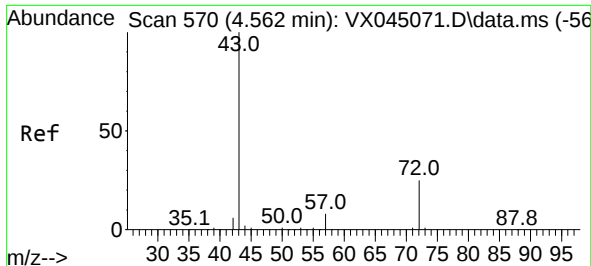
Tgt Ion:	45	Resp:	860
Ion	Ratio	Lower	Upper
45	100		
43	0.0	54.9	82.3#
87	0.0	21.0	31.4#
59	94.6	8.7	13.1#



#24
1,1-Dichloroethane
Concen: 0.361 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion:	63	Resp:	677
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#

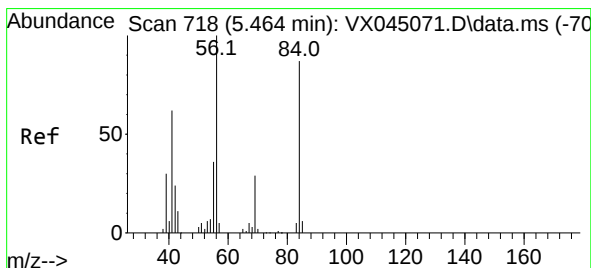
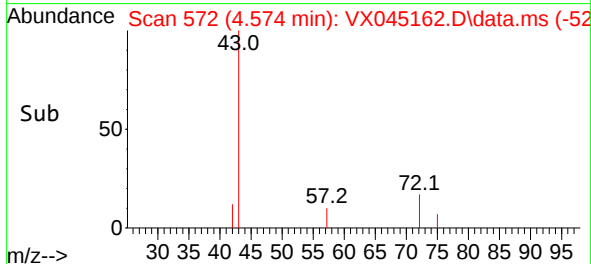
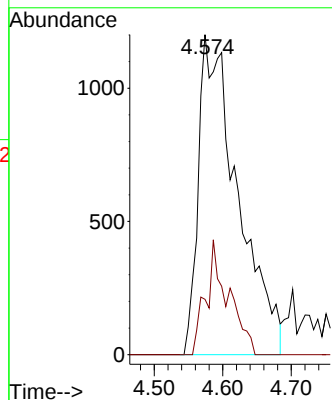
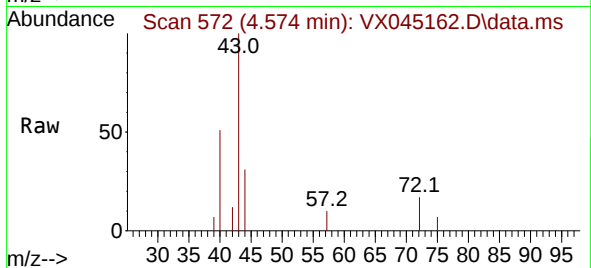




#25
2-Butanone
Concen: 5.699 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

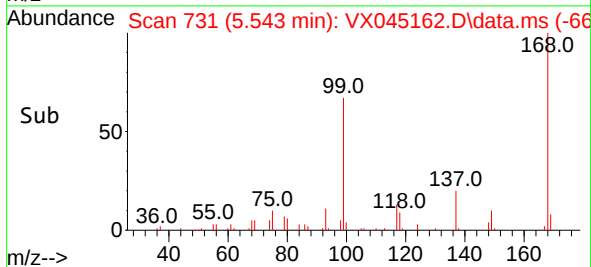
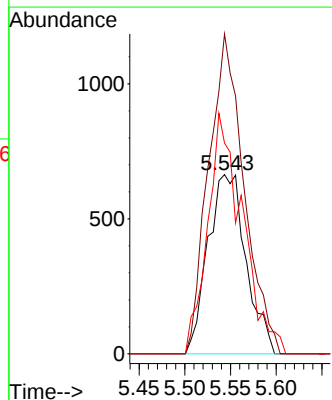
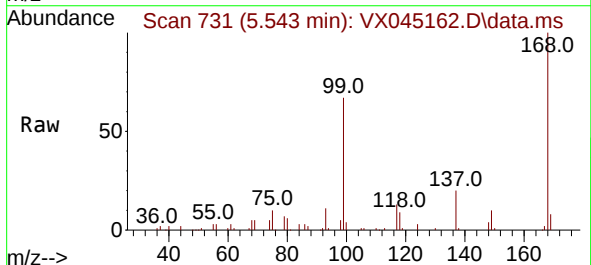
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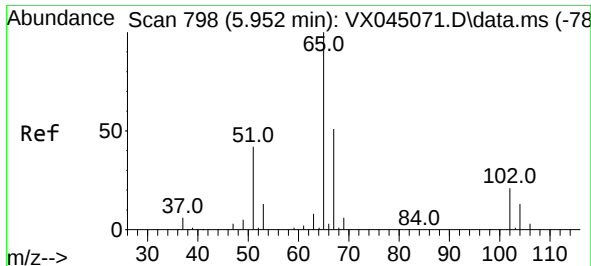
Tgt Ion: 43 Resp: 4764
Ion Ratio Lower Upper
43 100
72 17.3 20.0 30.0#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 56 Resp: 1923
Ion Ratio Lower Upper
56 100
69 178.5 23.4 35.2#
84 117.6 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 53.017 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045162.D

Acq: 06 Mar 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

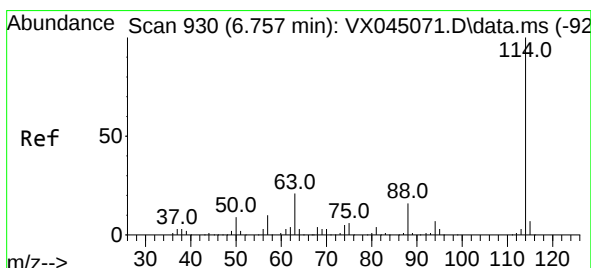
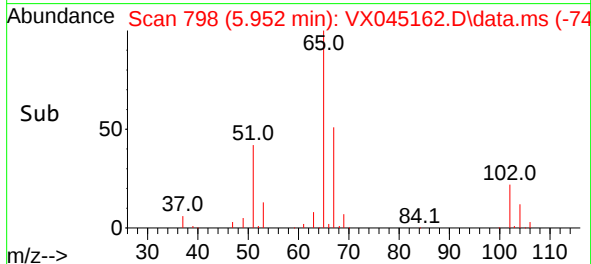
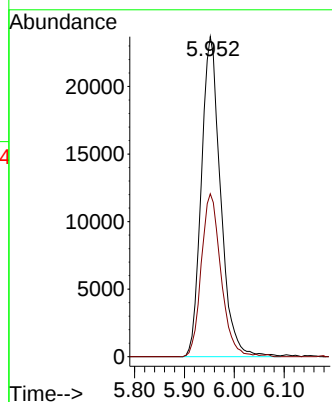
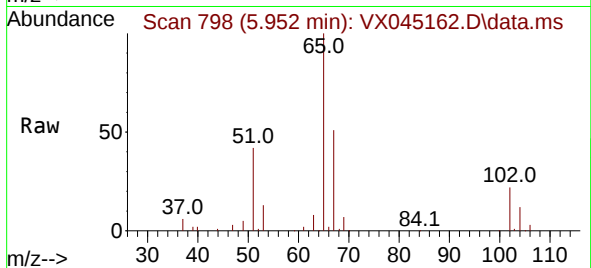
BR-05-465-030525

Tgt Ion: 65 Resp: 63460

Ion Ratio Lower Upper

65 100

67 52.0 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: VX045162.D

Acq: 06 Mar 2025 12:46

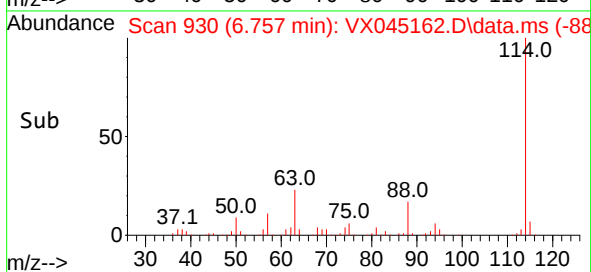
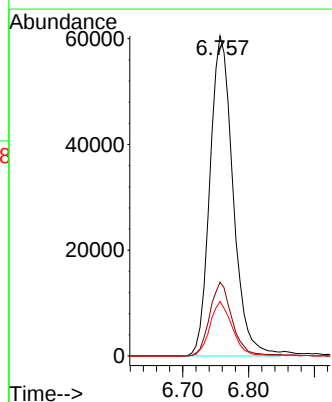
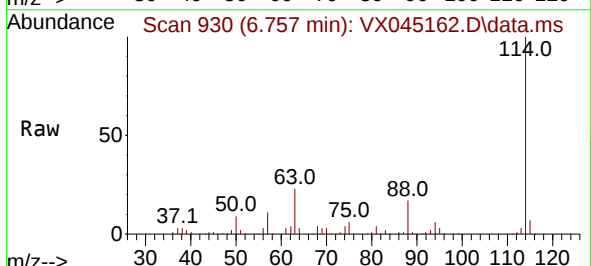
Tgt Ion: 114 Resp: 148139

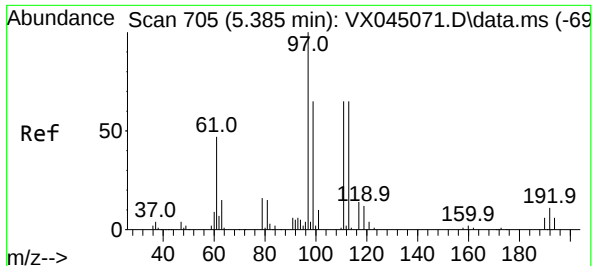
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 17.0 0.0 32.8

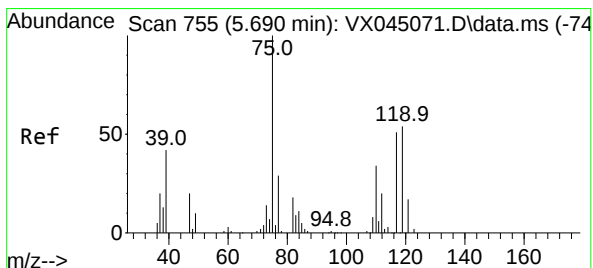
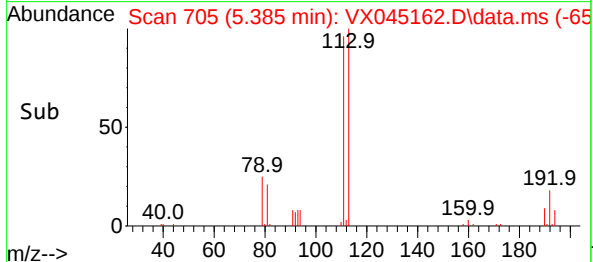
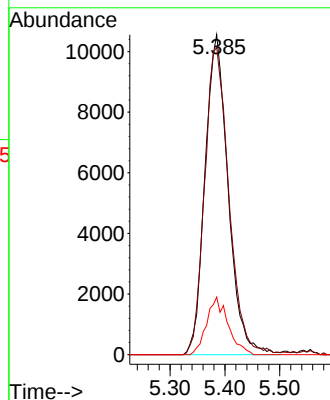
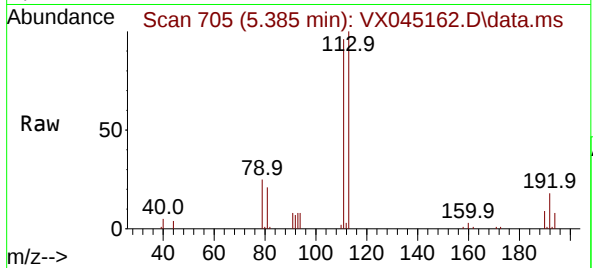




#35
Dibromofluoromethane
Concen: 31.227 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

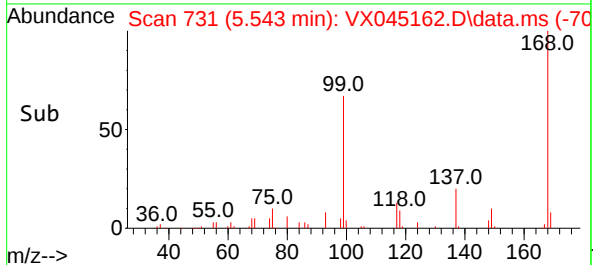
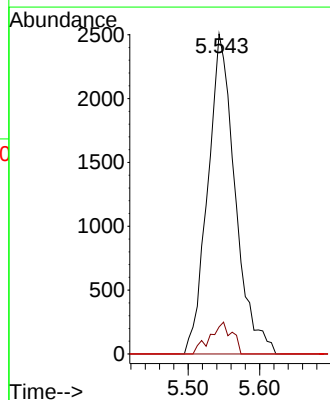
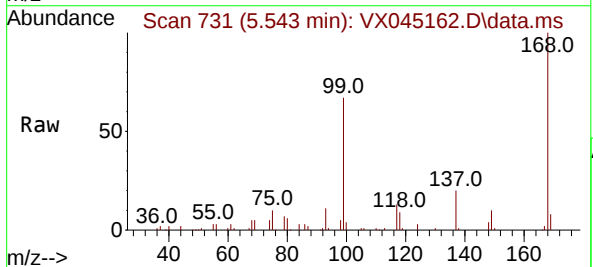
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

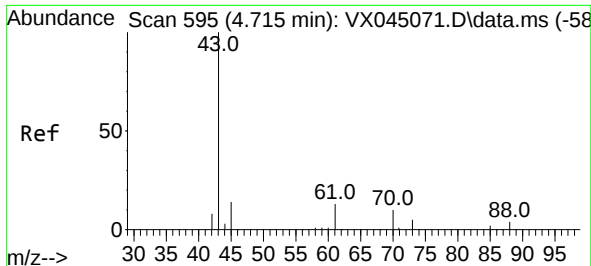
Tgt Ion:113 Resp: 30932
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.6
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 75 Resp: 6645
Ion Ratio Lower Upper
75 100
110 8.0 16.9 50.6#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 2.722 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX045162.D

Acq: 06 Mar 2025 12:46

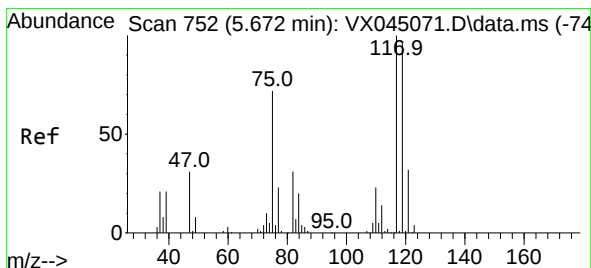
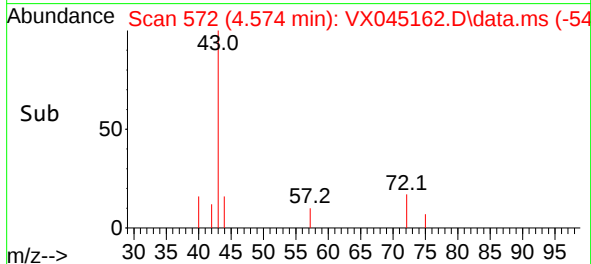
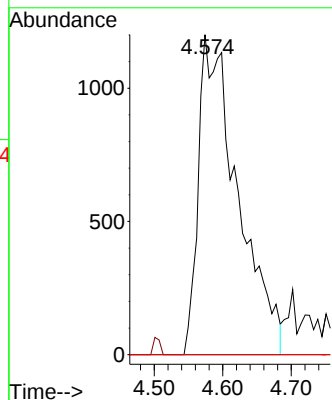
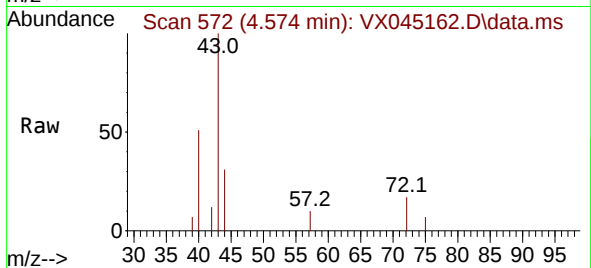
Instrument :

MSVOA_X

ClientSampleId :

BR-05-465-030525

Tgt Ion: 43	Resp: 4764
Ion Ratio	Lower Upper
43	100
61	0.0 10.8 16.2#
70	0.0 7.7 11.5#



#38

Carbon Tetrachloride

Concen: 5.767 ug/l

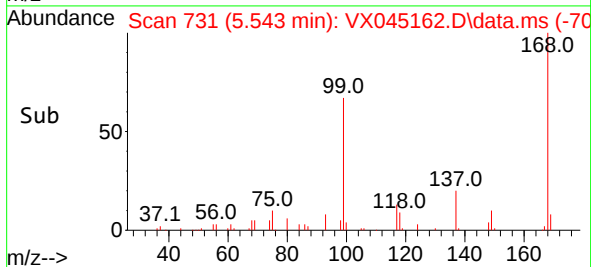
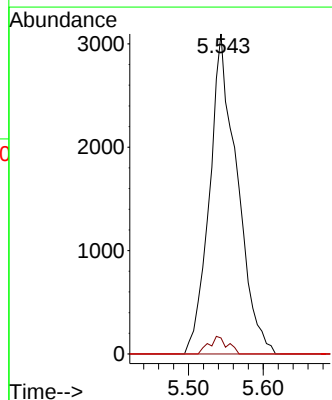
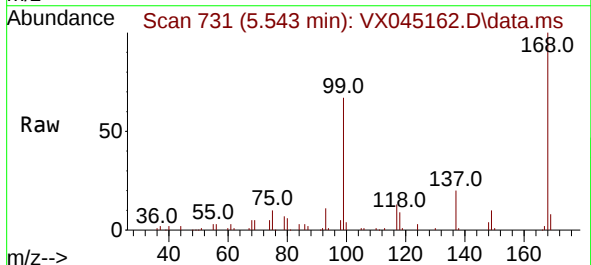
RT: 5.543 min Scan# 731

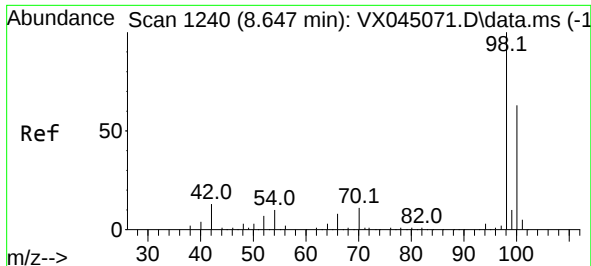
Delta R.T. -0.128 min

Lab File: VX045162.D

Acq: 06 Mar 2025 12:46

Tgt Ion: 117	Resp: 7953
Ion Ratio	Lower Upper
117	100
119	5.0 76.7 115.1#
121	0.0 25.5 38.3#

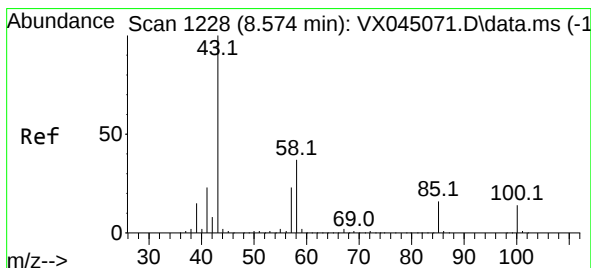
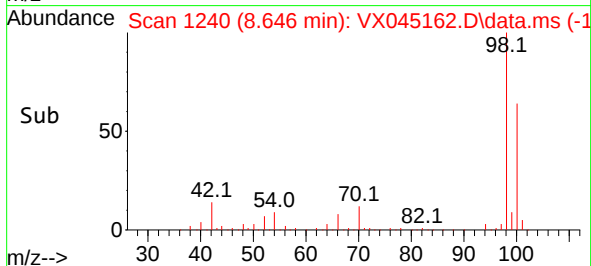
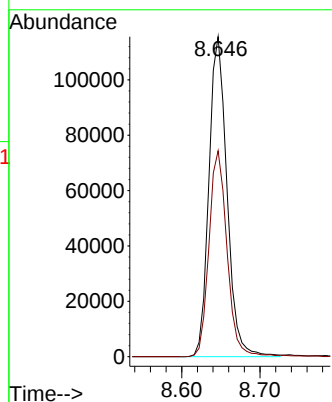
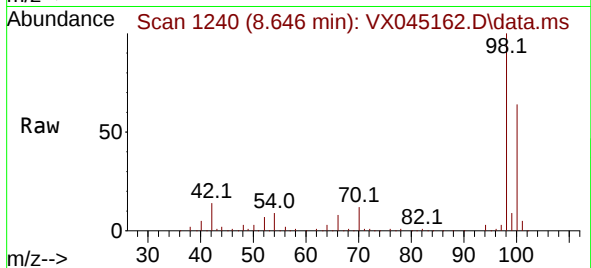




#50
Toluene-d8
Concen: 51.504 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

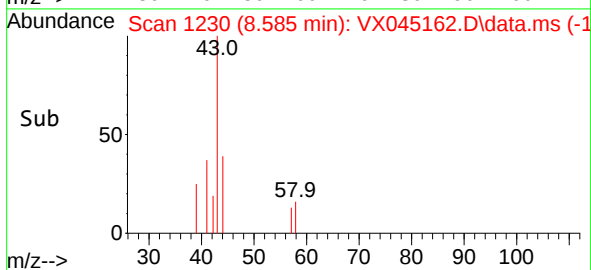
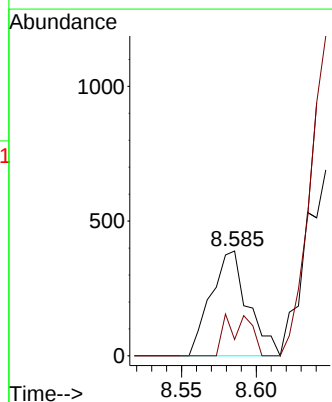
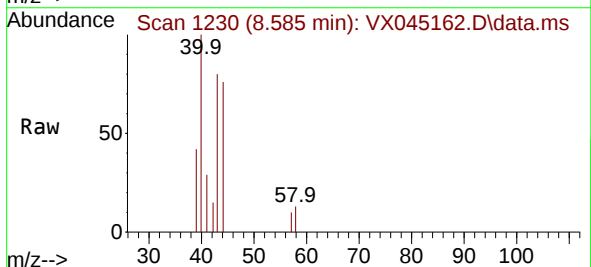
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

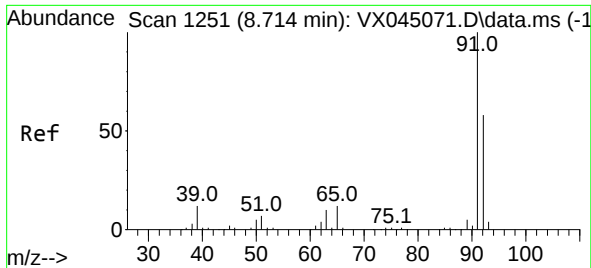
Tgt Ion: 98 Resp: 184959
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.385 ug/l
RT: 8.585 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 26.2 29.2 43.8#

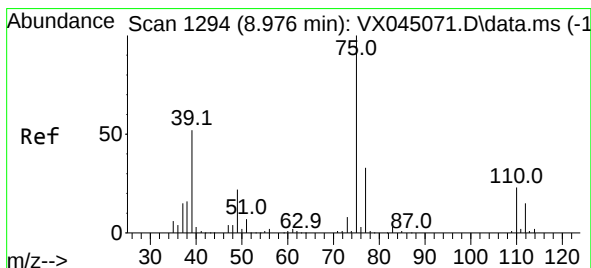
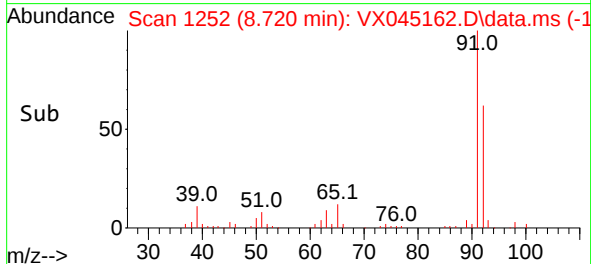
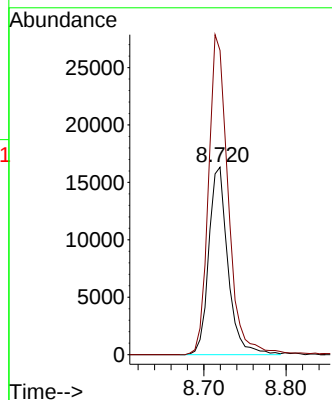
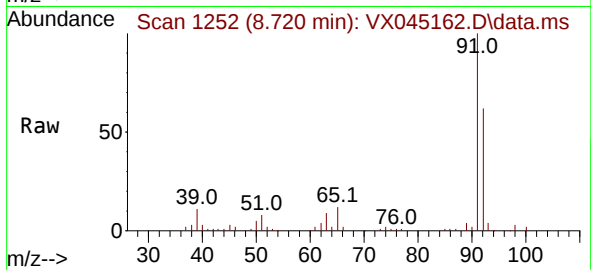




#52
Toluene
Concen: 10.523 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

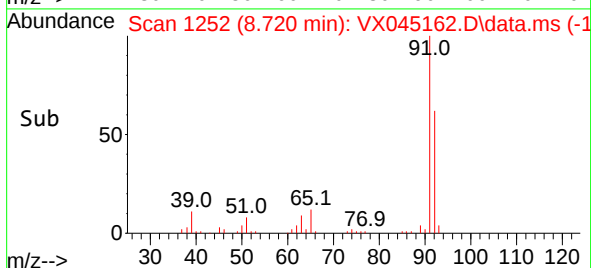
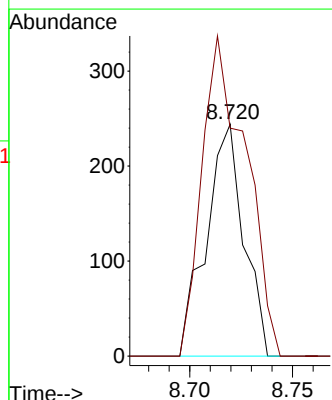
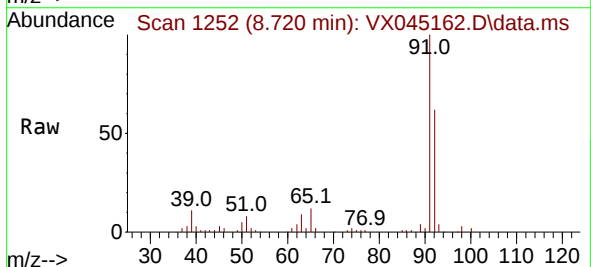
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

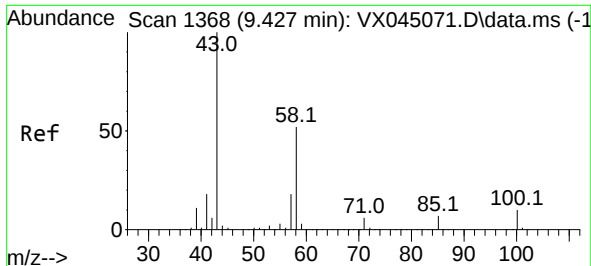
Tgt Ion: 92 Resp: 26485
Ion Ratio Lower Upper
92 100
91 176.0 138.9 208.3



#53
t-1,3-Dichloropropene
Concen: 0.243 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 75 Resp: 310
Ion Ratio Lower Upper
75 100
77 98.4 26.5 39.7#

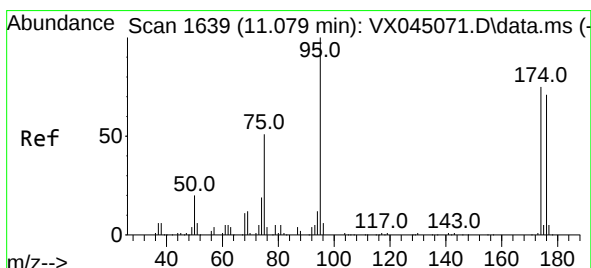
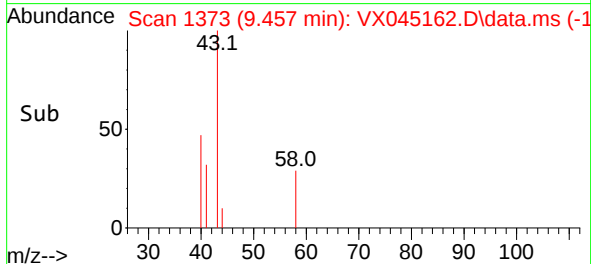
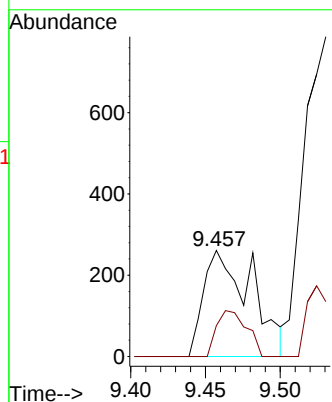
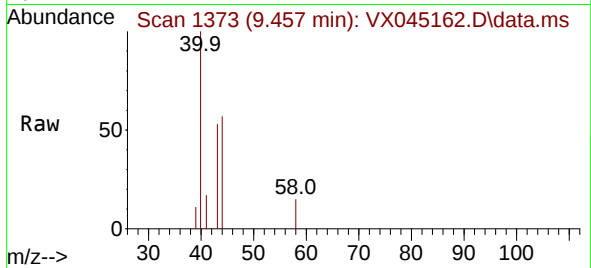




#59
2-Hexanone
Concen: 0.461 ug/l
RT: 9.457 min Scan# 11
Delta R.T. 0.030 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

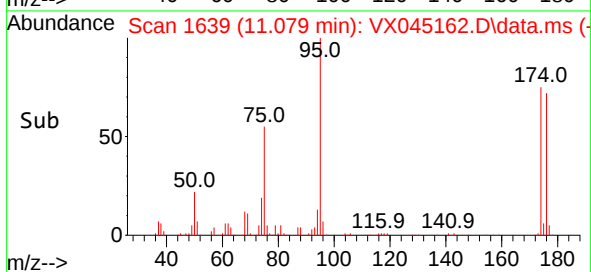
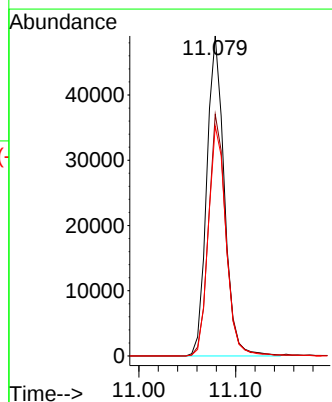
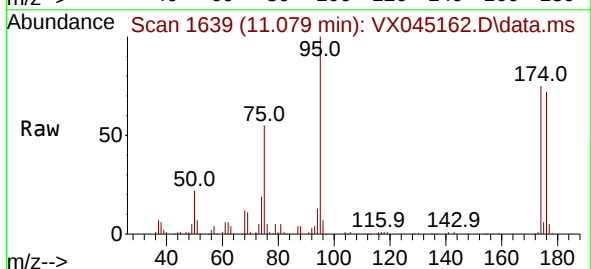
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

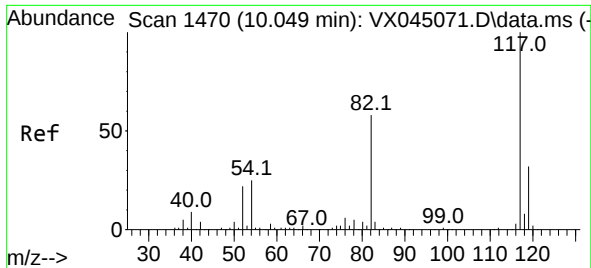
Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 27.4 25.9 77.6



#62
4-Bromofluorobenzene
Concen: 52.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 95 Resp: 61883
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.2
176 73.0 0.0 141.4

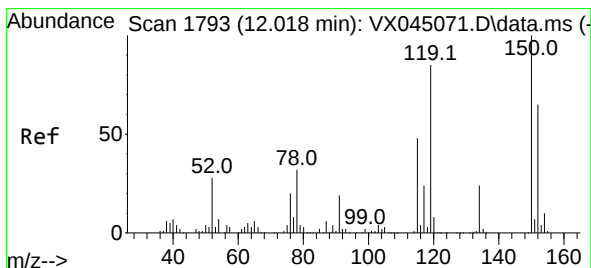
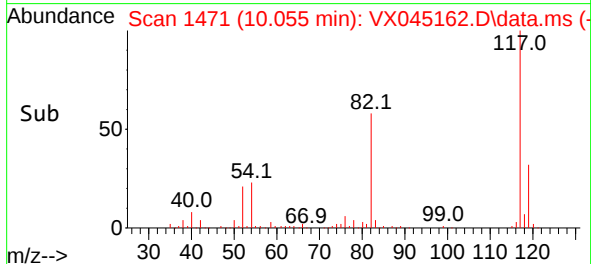
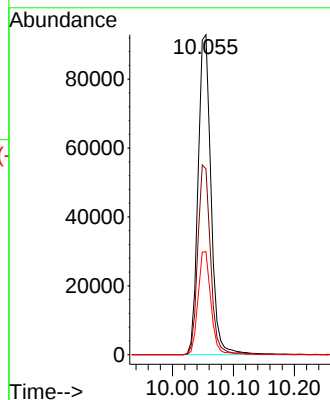
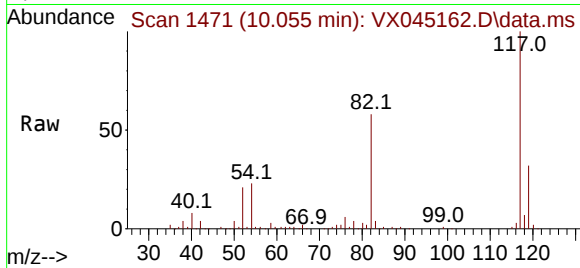




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

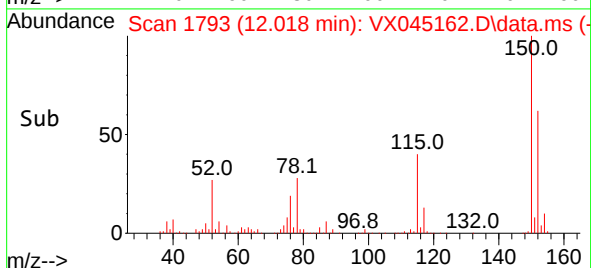
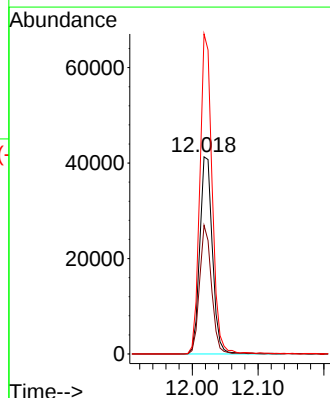
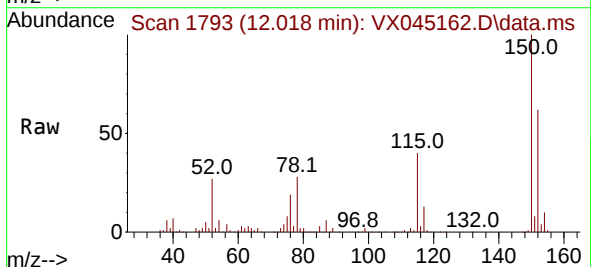
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

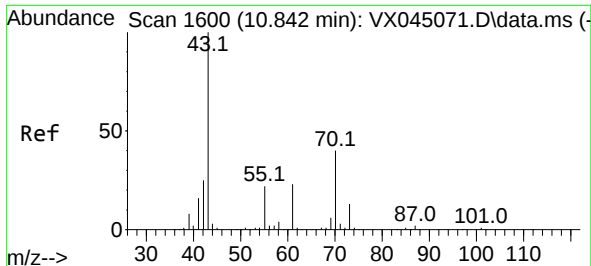
Tgt Ion:117 Resp: 137077
Ion Ratio Lower Upper
117 100
82 58.1 46.3 69.5
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion:152 Resp: 55408
Ion Ratio Lower Upper
152 100
115 61.3 44.2 132.6
150 157.0 0.0 349.0

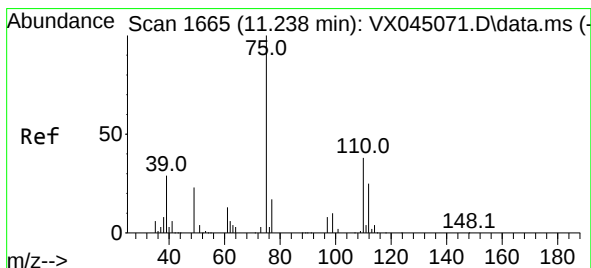
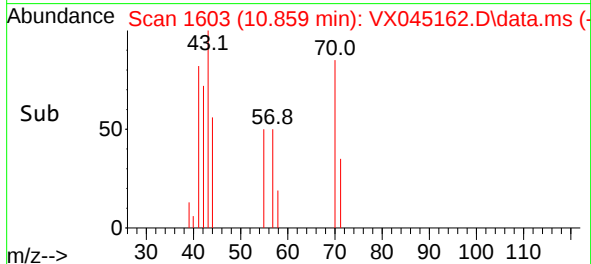
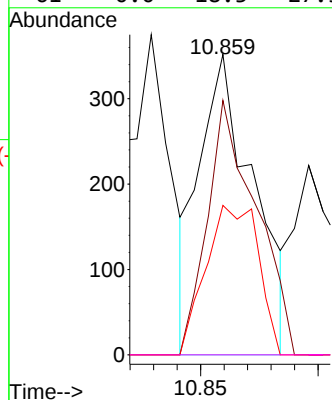
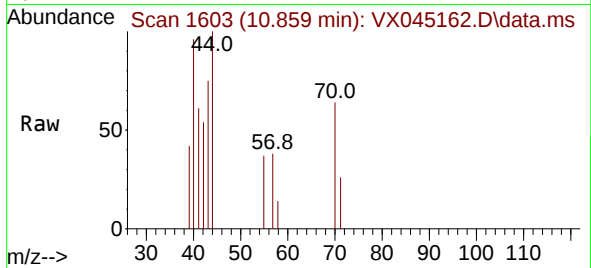




#74
N-amy1 acetate
Concen: 0.277 ug/l
RT: 10.859 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

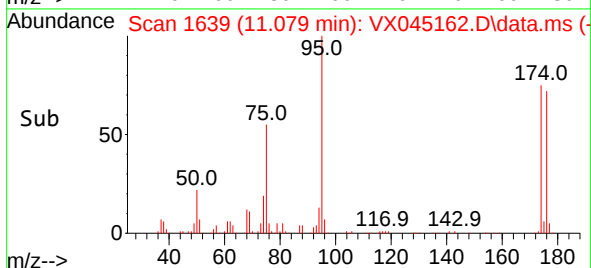
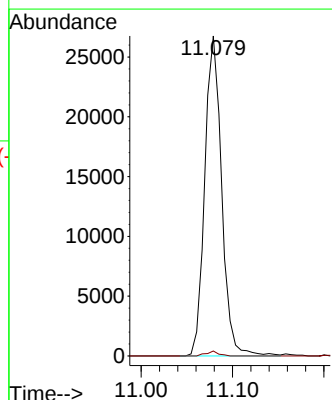
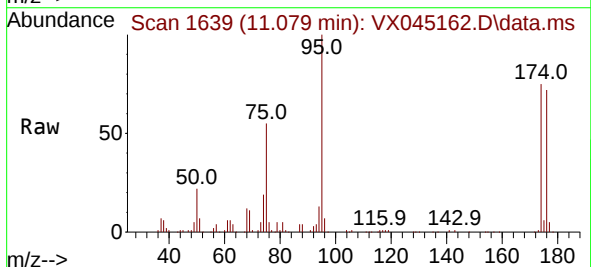
Instrument :
MSVOA_X
ClientSampleId :
BR-05-465-030525

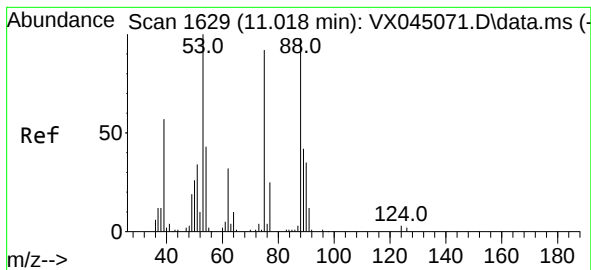
Tgt Ion: 43	Resp: 563
Ion Ratio	Lower Upper
43 100	
70 76.4	31.8 47.6#
55 48.5	18.3 27.5#
61 0.0	18.3 27.5#



#76
1,2,3-Trichloropropane
Concen: 26.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045162.D
Acq: 06 Mar 2025 12:46

Tgt Ion: 75	Resp: 34313
Ion Ratio	Lower Upper
75 100	
77 1.1	20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.054 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045162.D
 Acq: 06 Mar 2025 12:46

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

Tgt Ion: 75 Resp: 34313
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

