

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045495.D
 Acq On : 27 Mar 2025 22:09
 Operator : JC/MD
 Sample : Q1662-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-7

Quant Time: Mar 28 01:39:15 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)

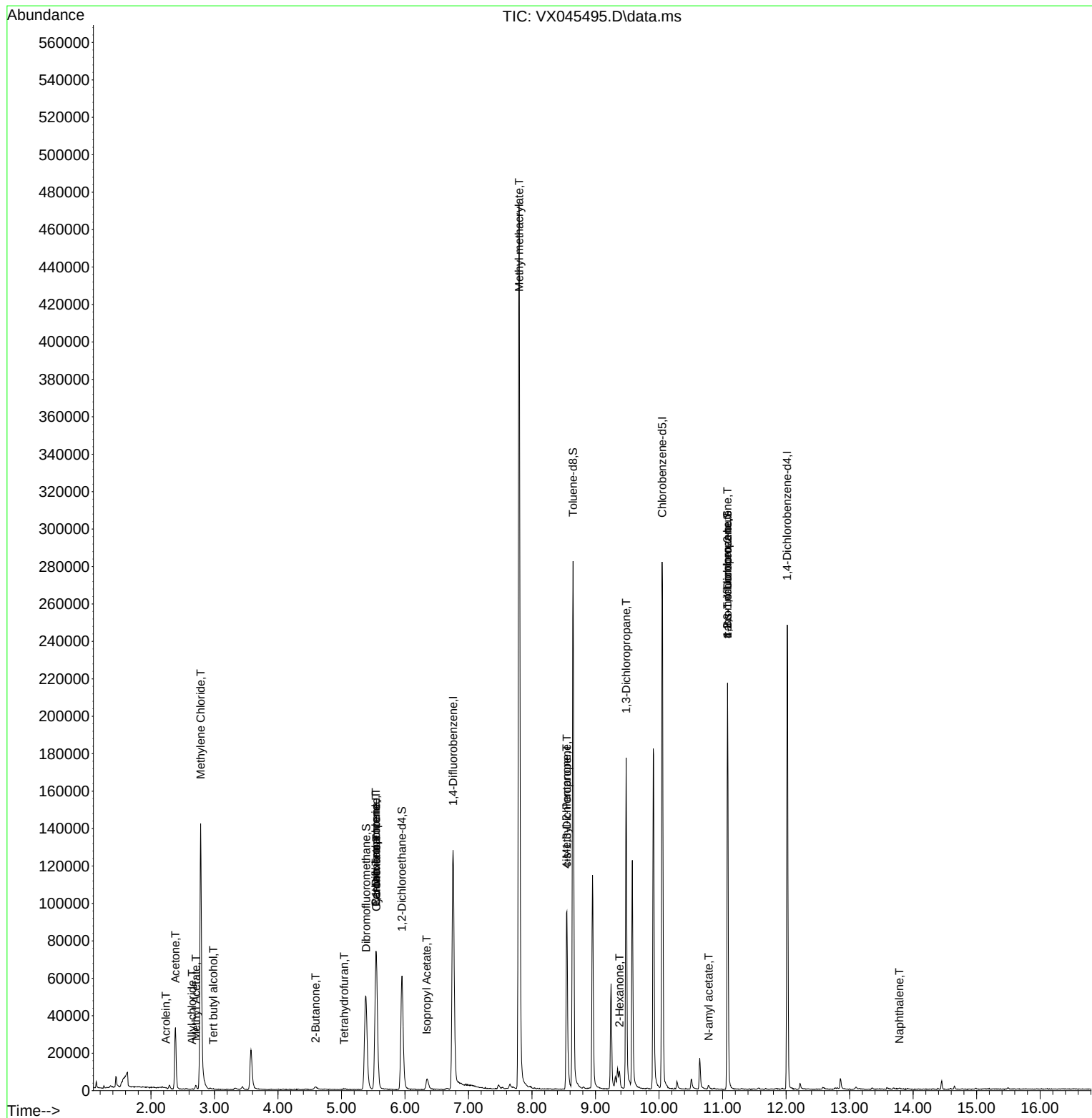
Internal Standards						
1) Pentafluorobenzene	5.544	168	63810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126179	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60124	59.236	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.480%			
35) Dibromofluoromethane	5.385	113	44585	52.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.680%			
50) Toluene-d8	8.647	98	156177	51.058	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.120%			
62) 4-Bromofluorobenzene	11.079	95	55816	55.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.140%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	254	1.321	ug/l #	73
13) Acrolein	2.233	56	149	0.670	ug/l	87
14) Allyl chloride	2.648	41	291	0.208	ug/l #	67
16) Acetone	2.386	43	36271	77.021	ug/l	97
18) Methyl Acetate	2.709	43	2906	2.565	ug/l #	88
20) Methylene Chloride	2.782	84	61611	66.046	ug/l	97
25) 2-Butanone	4.593	43	2872	4.052	ug/l	100
29) Tetrahydrofuran	5.044	42	218	0.458	ug/l #	34
31) Cyclohexane	5.550	56	1933	1.400	ug/l #	20
36) 1,1-Dichloropropene	5.544	75	6232	5.386	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7477	6.365	ug/l #	16
43) Isopropyl Acetate	6.342	43	8509	3.859	ug/l #	84
48) Methyl methacrylate	7.799	41	47092	42.575	ug/l #	48
51) 4-Methyl-2-Pentanone	8.543	43	37518	25.344	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	15036	11.842	ug/l #	71
57) 1,3-Dichloropropane	9.482	76	1495	0.979	ug/l #	43
59) 2-Hexanone	9.378	43	6724	6.269	ug/l #	26
74) N-amyl acetate	10.780	43	1445	0.849	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	31967	29.566	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31967	101.179	ug/l #	6
95) Naphthalene	13.786	128	748	0.223	ug/l #	69

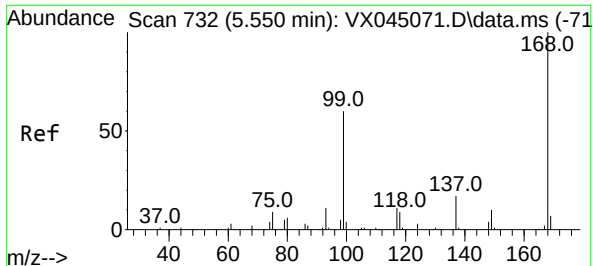
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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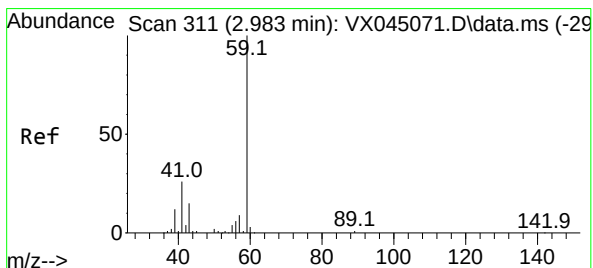
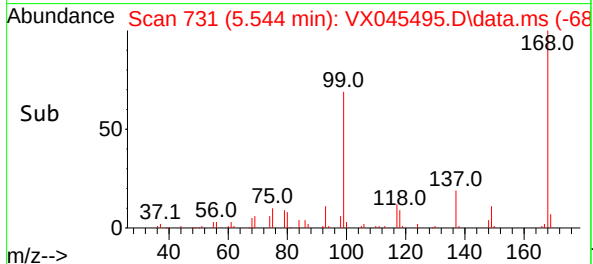
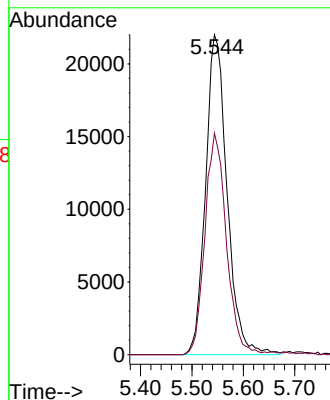
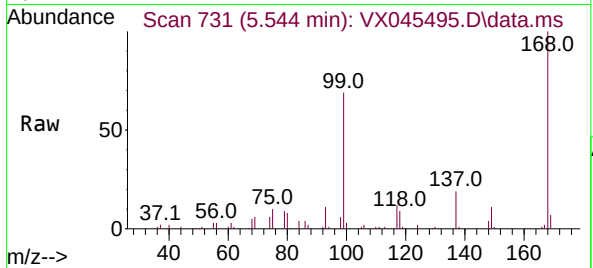




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

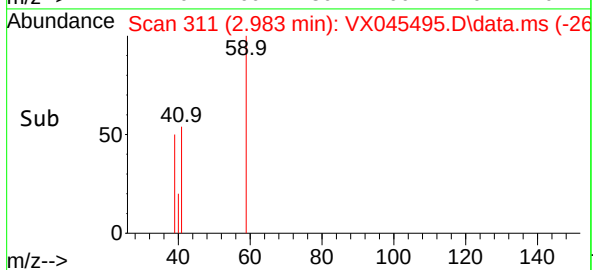
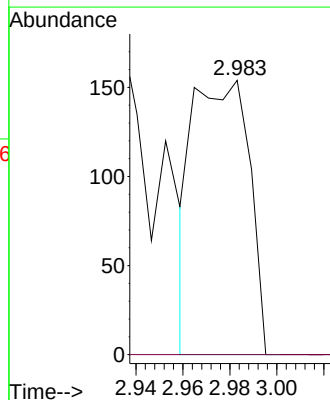
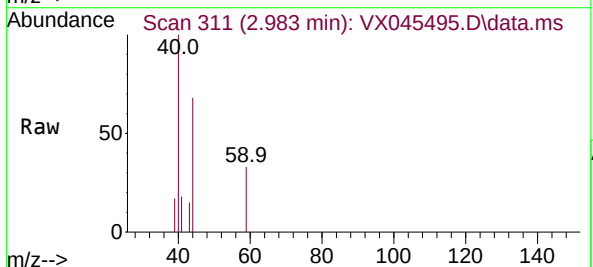
Instrument :
MSVOA_X
ClientSampleId :
TP-7

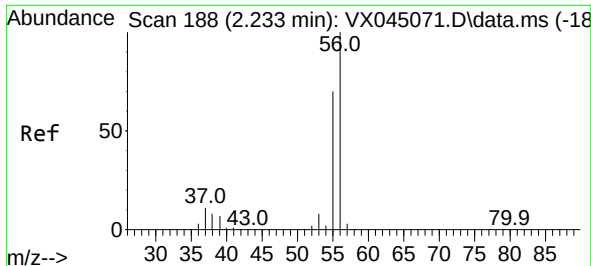
Tgt Ion:168 Resp: 63810
Ion Ratio Lower Upper
168 100
99 69.2 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.321 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.670 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045495.D

Acq: 27 Mar 2025 22:09

Instrument :

MSVOA_X

ClientSampleId :

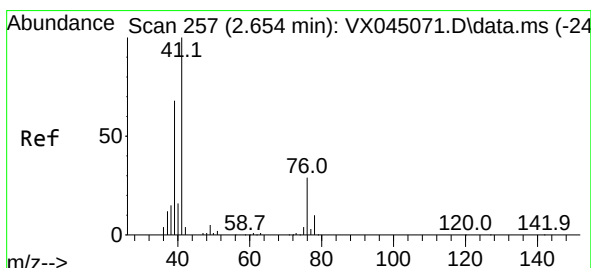
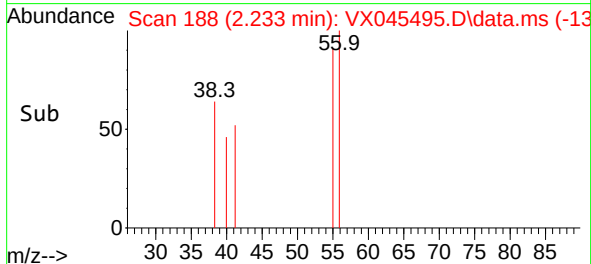
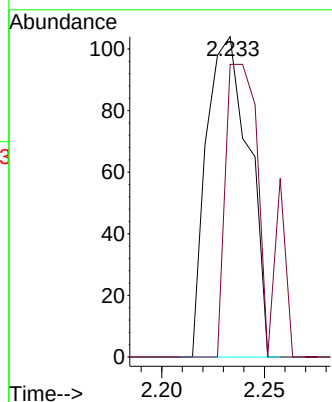
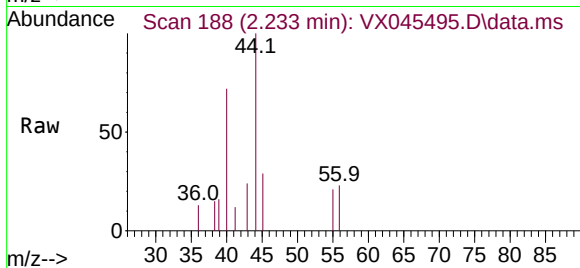
TP-7

Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

56 100

55 81.2 56.2 84.4



#14

Allyl chloride

Concen: 0.208 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.006 min

Lab File: VX045495.D

Acq: 27 Mar 2025 22:09

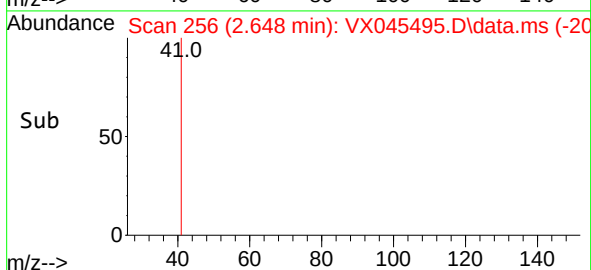
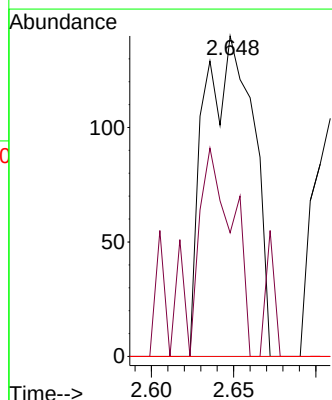
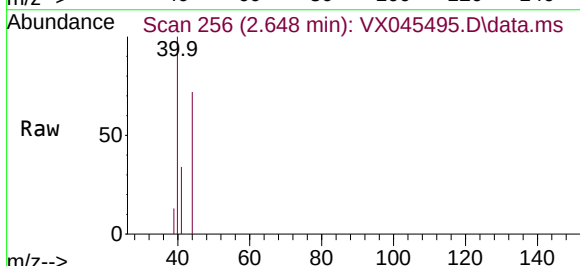
Tgt Ion: 41 Resp: 291

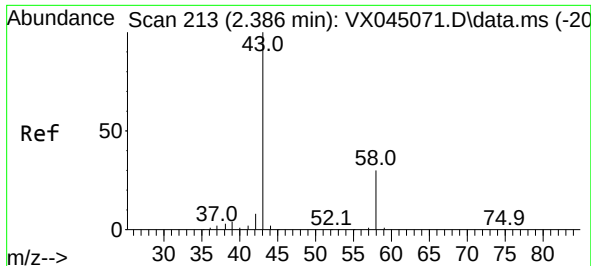
Ion Ratio Lower Upper

41 100

39 50.2 53.8 80.8#

76 0.0 25.2 37.8#

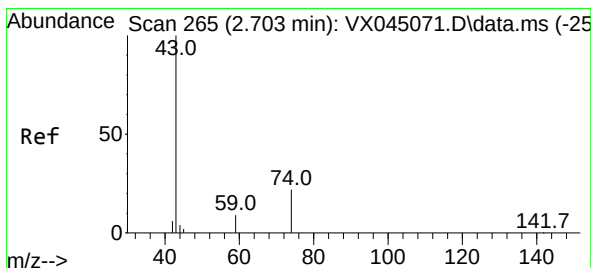
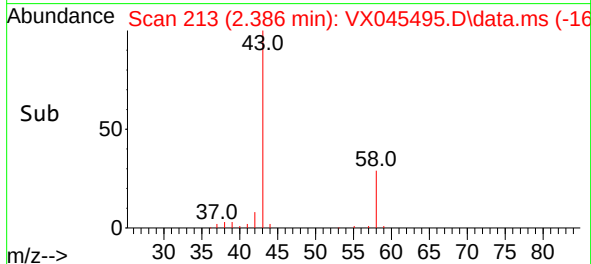
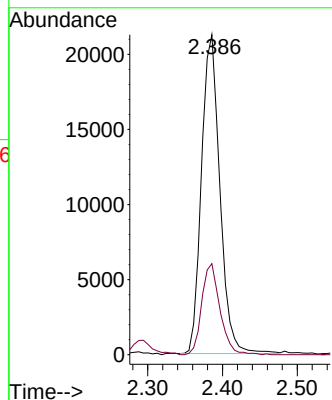
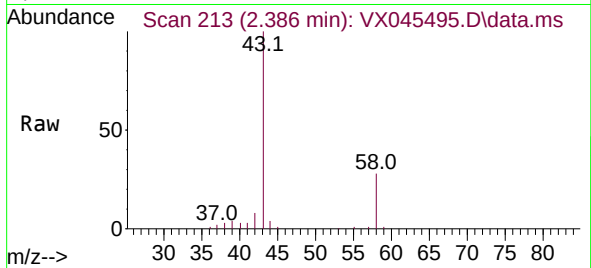




#16
Acetone
Concen: 77.021 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

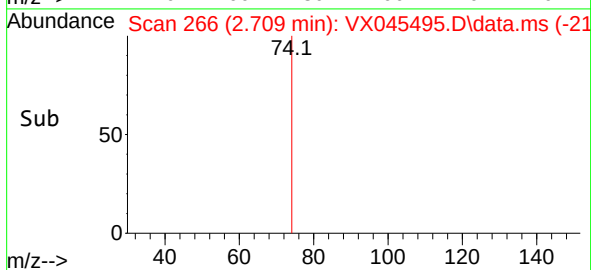
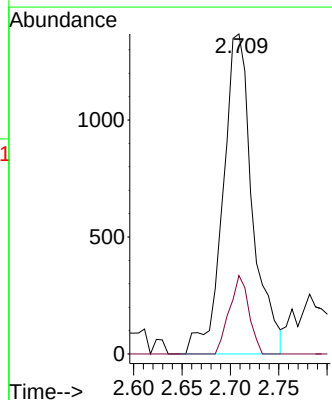
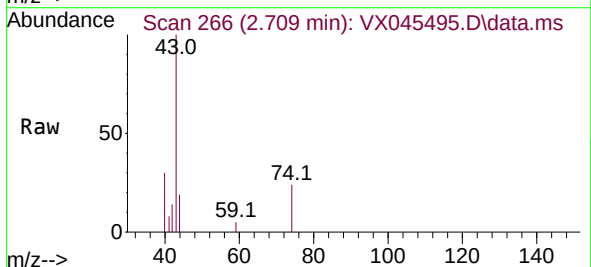
Instrument :
MSVOA_X
ClientSampleId :
TP-7

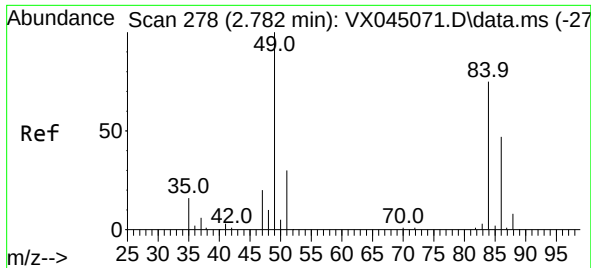
Tgt Ion: 43 Resp: 36271
Ion Ratio Lower Upper
43 100
58 28.6 24.2 36.4



#18
Methyl Acetate
Concen: 2.565 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 43 Resp: 2906
Ion Ratio Lower Upper
43 100
74 16.1 17.4 26.2#

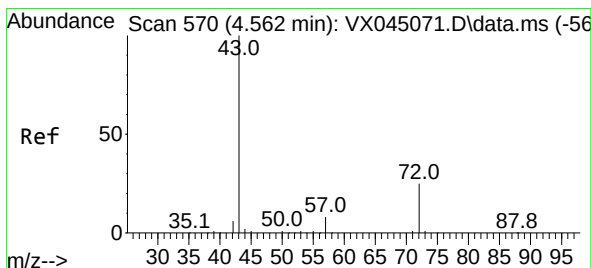
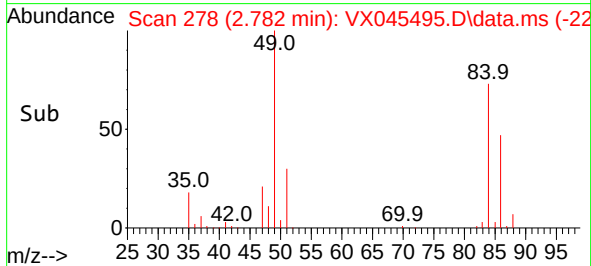
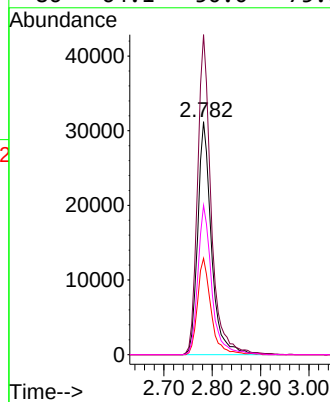
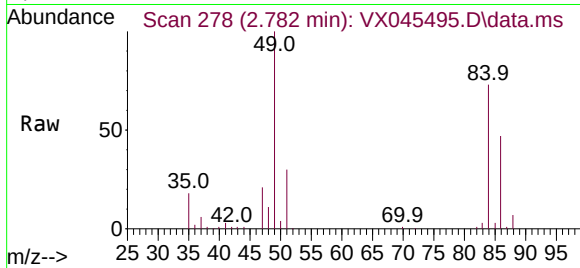




#20
Methylene Chloride
Concen: 66.046 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

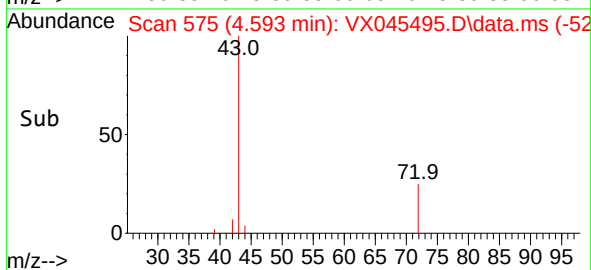
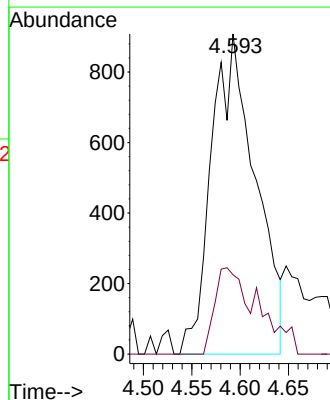
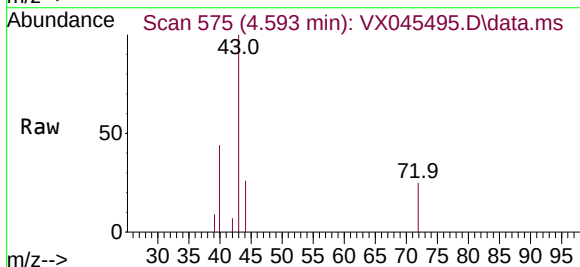
Instrument :
MSVOA_X
ClientSampleId :
TP-7

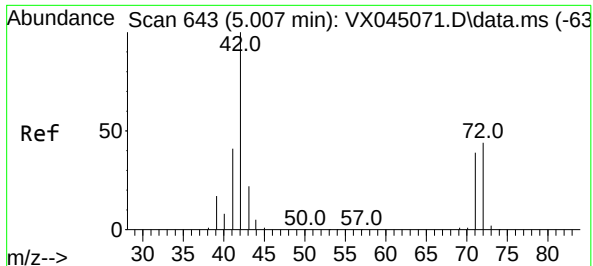
Tgt Ion:	84	Resp:	61611
Ion	Ratio	Lower	Upper
84	100		
49	137.3	106.5	159.7
51	41.4	32.1	48.1
86	64.1	50.0	75.0



#25
2-Butanone
Concen: 4.052 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.030 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion:	43	Resp:	2872
Ion	Ratio	Lower	Upper
43	100		
72	24.8	20.0	30.0





#29

Tetrahydrofuran

Concen: 0.458 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX045495.D

Acq: 27 Mar 2025 22:09

Instrument :

MSVOA_X

ClientSampleId :

TP-7

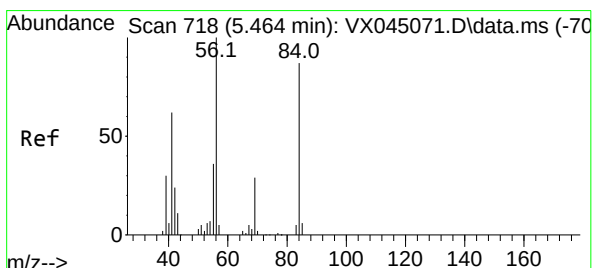
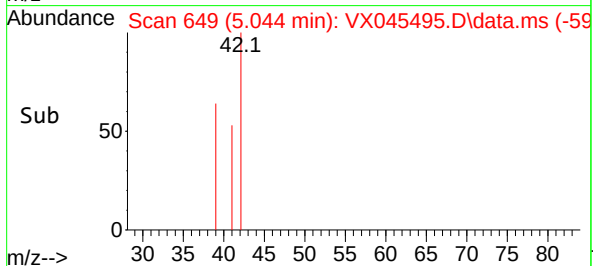
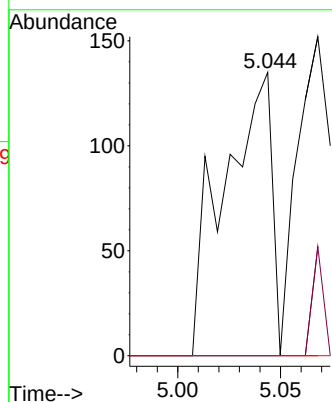
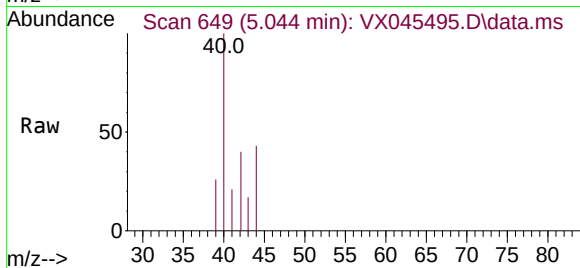
Tgt Ion: 42 Resp: 218

Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.400 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045495.D

Acq: 27 Mar 2025 22:09

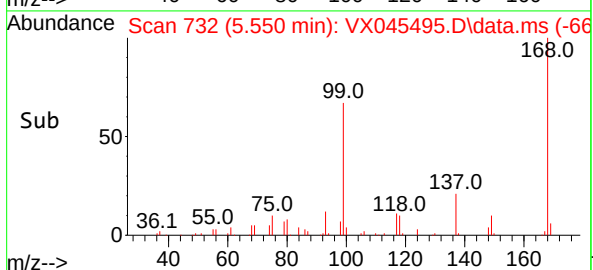
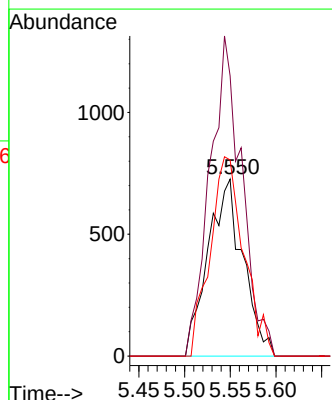
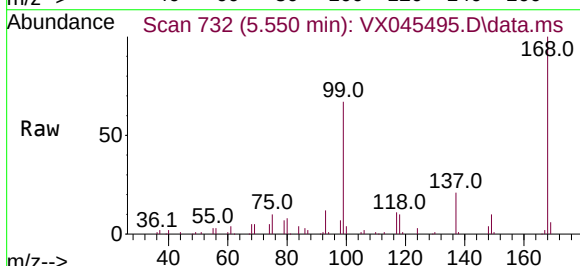
Tgt Ion: 56 Resp: 1933

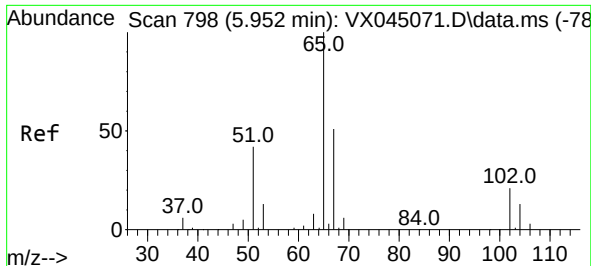
Ion Ratio Lower Upper

56 100

69 158.4 23.4 35.2#

84 110.9 69.4 104.2#

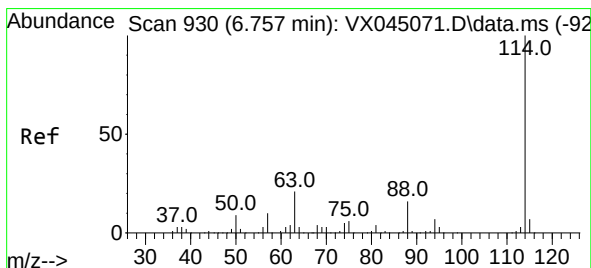
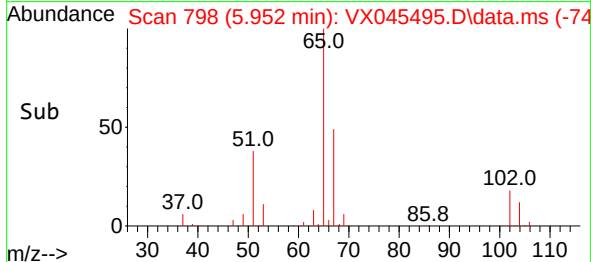
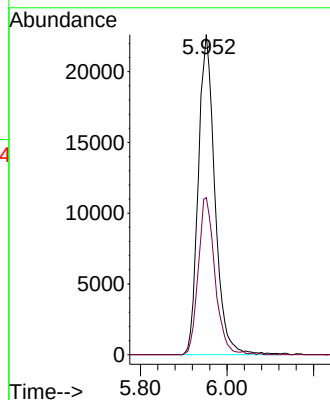
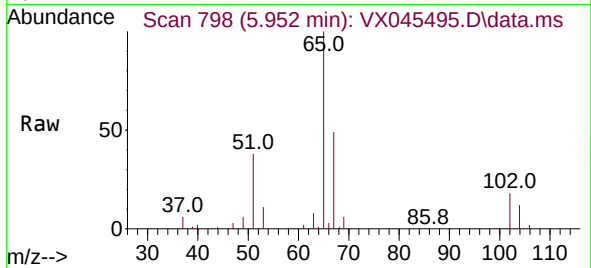




#33
 1,2-Dichloroethane-d4
 Concen: 59.236 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045495.D
 Acq: 27 Mar 2025 22:09

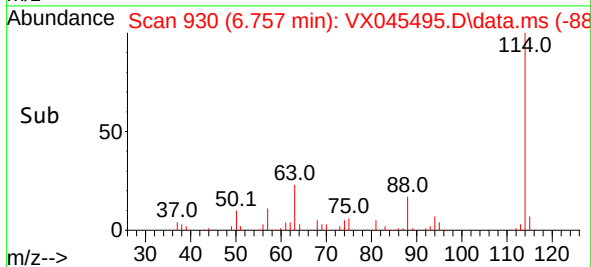
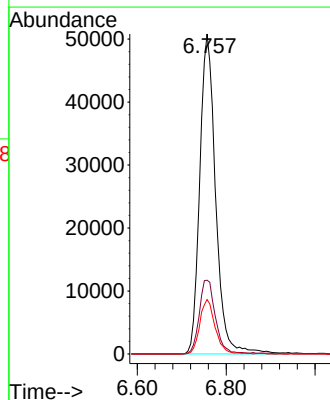
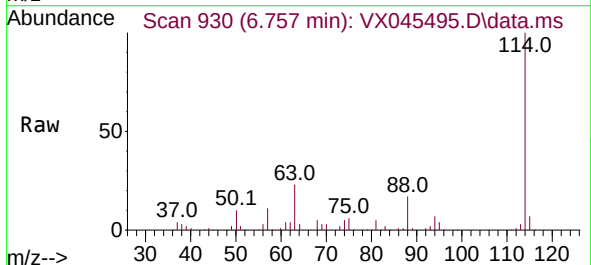
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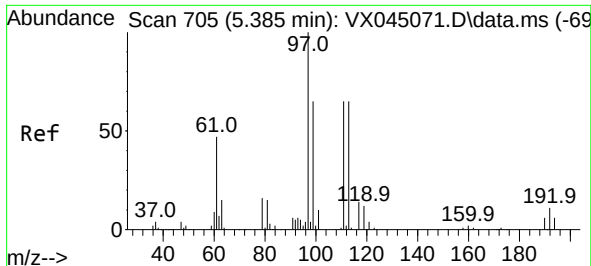
Tgt Ion: 65 Resp: 60124
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045495.D
 Acq: 27 Mar 2025 22:09

Tgt Ion: 114 Resp: 126179
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 41.8
 88 17.0 0.0 32.8

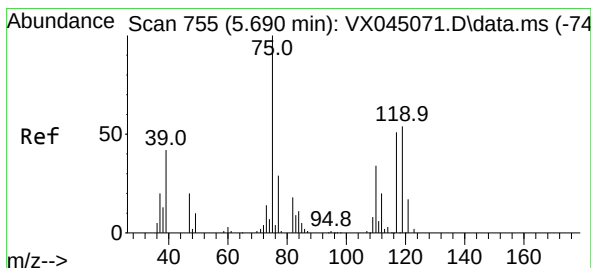
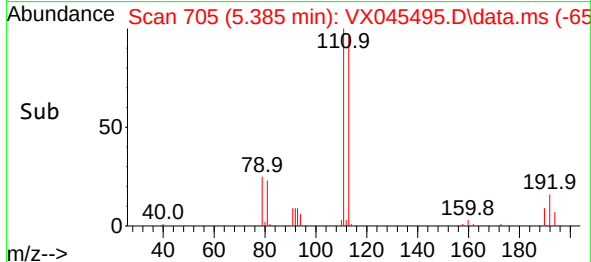
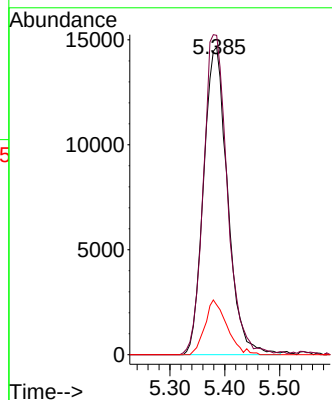
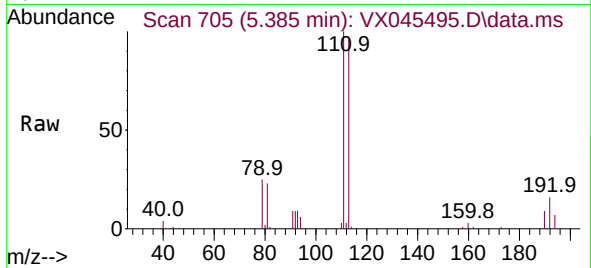




#35
Dibromofluoromethane
Concen: 52.843 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

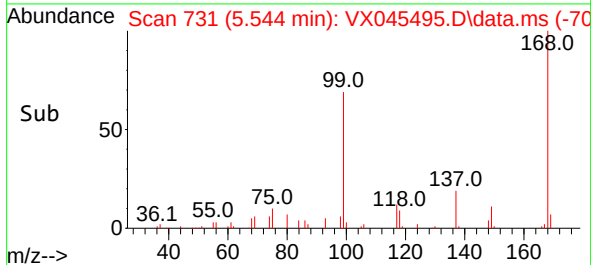
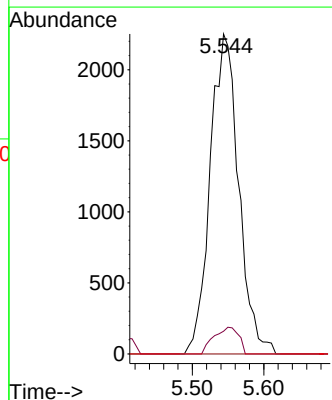
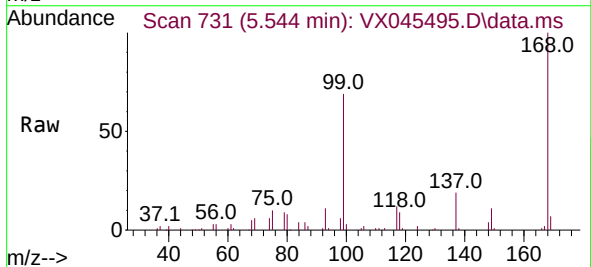
Instrument :
MSVOA_X
ClientSampleId :
TP-7

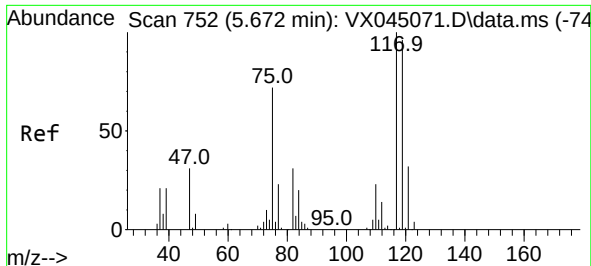
Tgt Ion:113 Resp: 44585
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 16.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.386 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

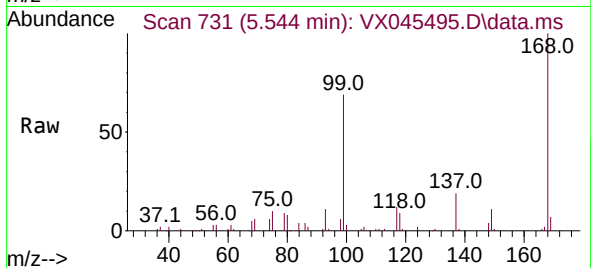
Tgt Ion: 75 Resp: 6232
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.6#
77 0.0 24.5 36.7#



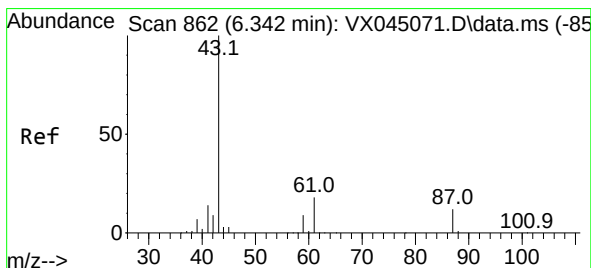
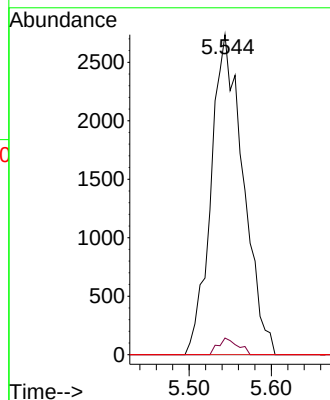
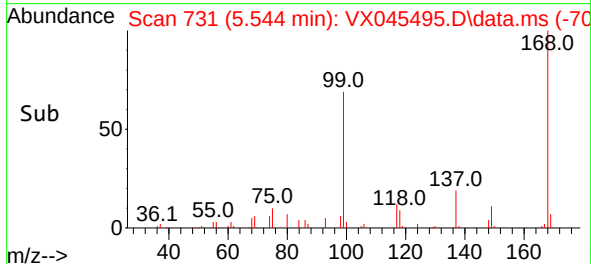


#38
Carbon Tetrachloride
Concen: 6.365 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Instrument :
MSVOA_X
ClientSampleId :
TP-7

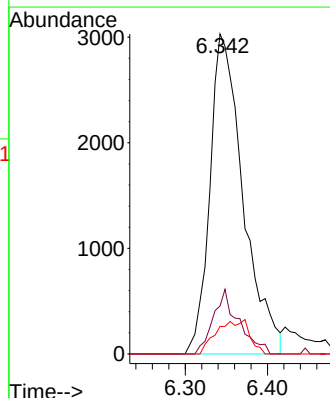
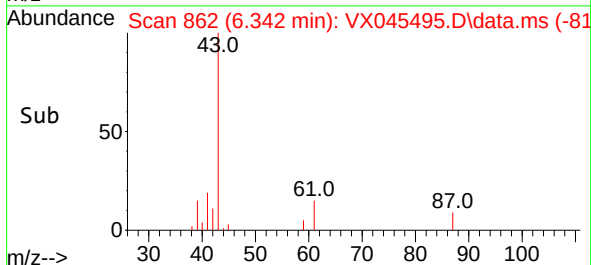
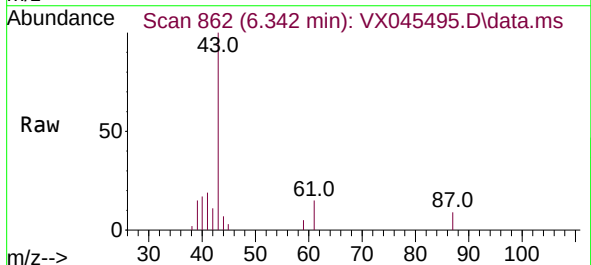


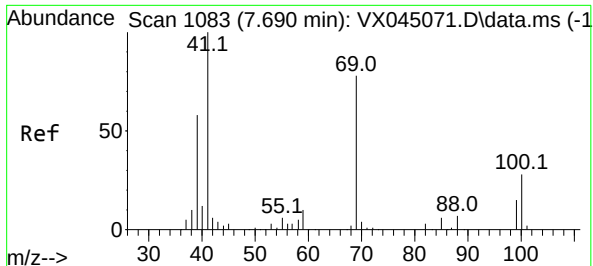
Tgt Ion:117 Resp: 7477
Ion Ratio Lower Upper
117 100
119 5.2 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 3.859 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 43 Resp: 8509
Ion Ratio Lower Upper
43 100
61 15.5 14.9 22.3
87 0.0 9.4 14.2#

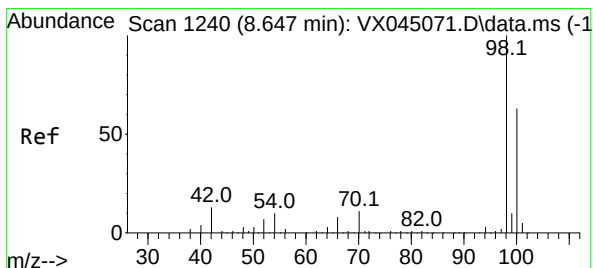
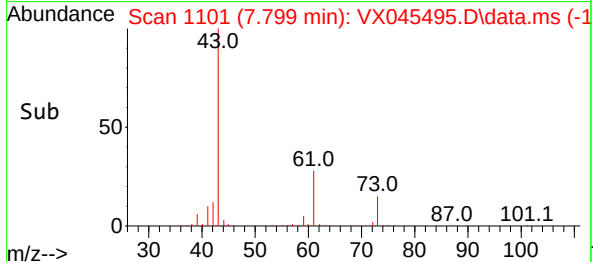
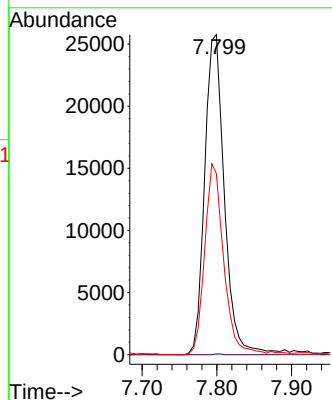
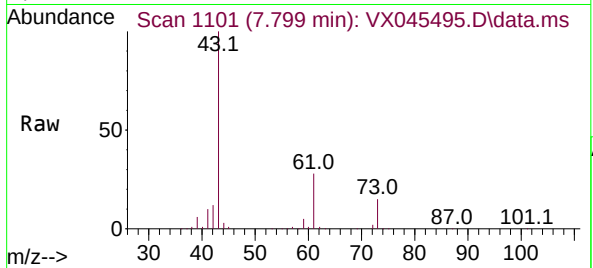




#48
Methyl methacrylate
Concen: 42.575 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

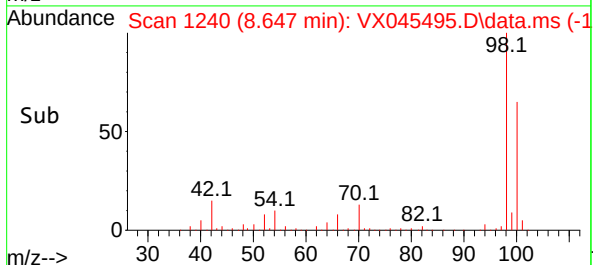
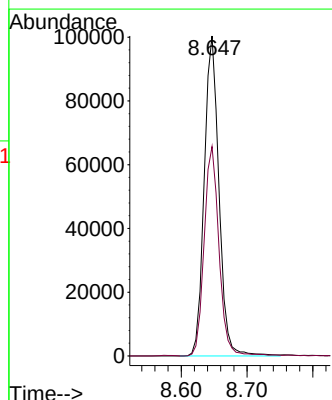
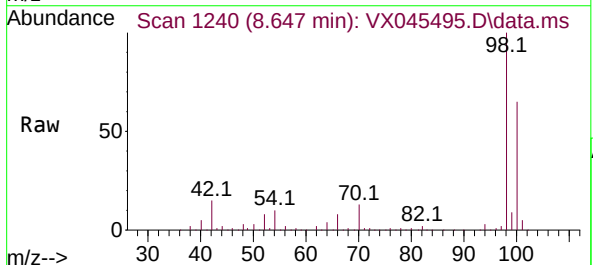
Instrument :
MSVOA_X
ClientSampleId :
TP-7

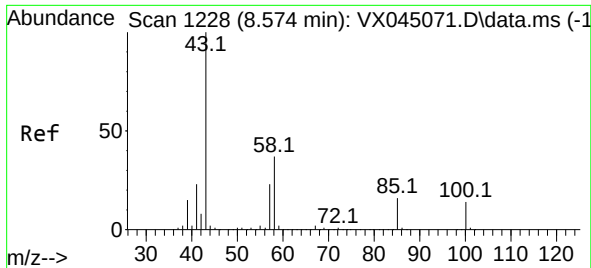
Tgt Ion: 41 Resp: 47092
Ion Ratio Lower Upper
41 100
69 0.1 63.0 94.6#
39 57.4 47.5 71.3



#50
Toluene-d8
Concen: 51.058 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 98 Resp: 156177
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0

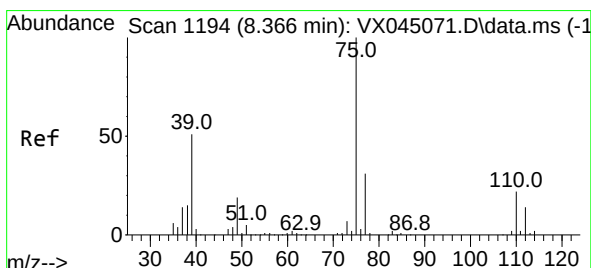
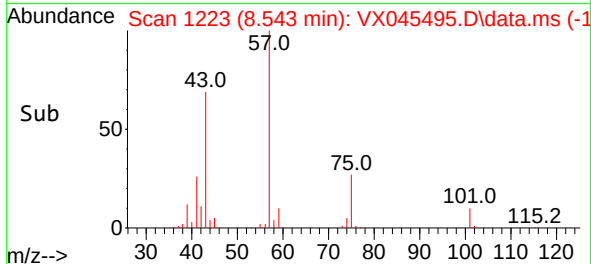
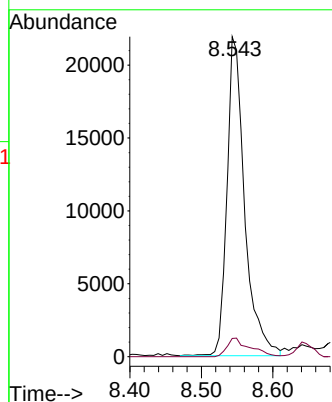
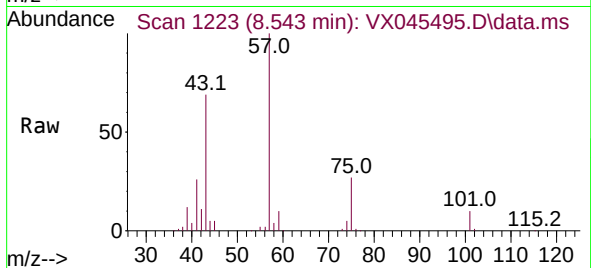




#51
4-Methyl-2-Pentanone
Concen: 25.344 ug/l
RT: 8.543 min Scan# 1122
Delta R.T. -0.031 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

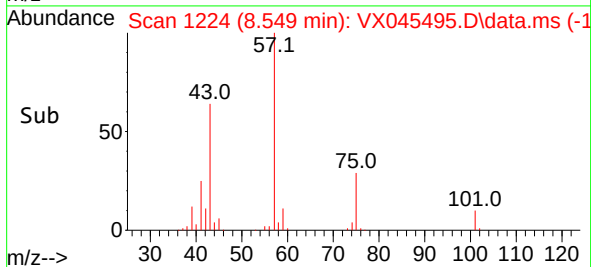
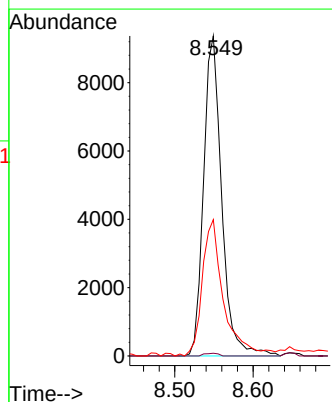
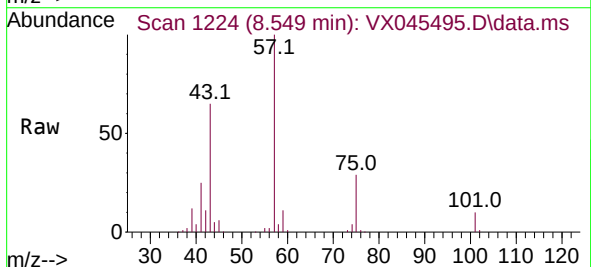
Instrument :
MSVOA_X
ClientSampleId :
TP-7

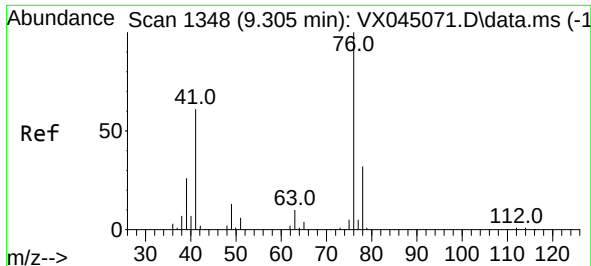
Tgt Ion: 43 Resp: 37518
Ion Ratio Lower Upper
43 100
58 7.6 29.2 43.8#



#54
cis-1,3-Dichloropropene
Concen: 11.842 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 75 Resp: 15036
Ion Ratio Lower Upper
75 100
77 0.8 24.7 37.1#
39 42.0 40.7 61.1





#57

1,3-Dichloropropane

Concen: 0.979 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045495.D

Acq: 27 Mar 2025 22:09

Instrument :

MSVOA_X

ClientSampleId :

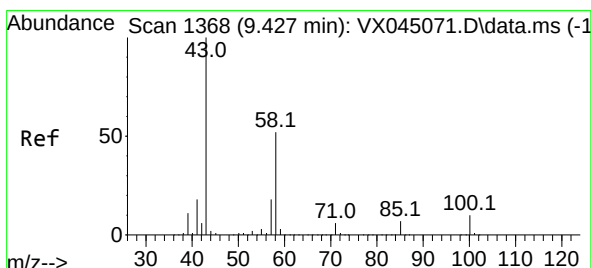
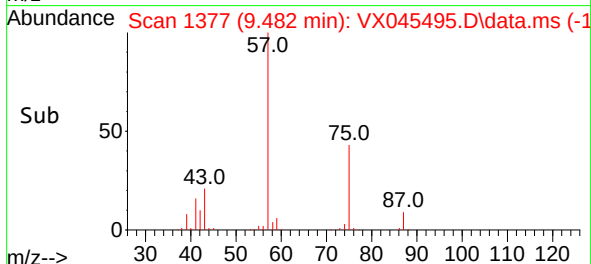
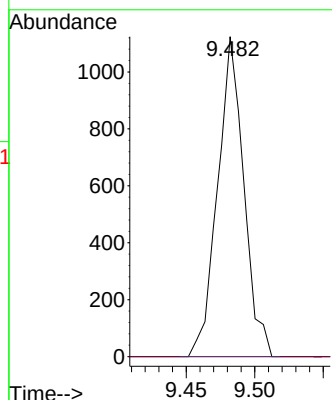
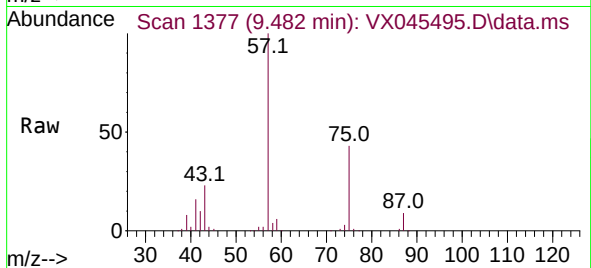
TP-7

Tgt Ion: 76 Resp: 1495

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 6.269 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045495.D

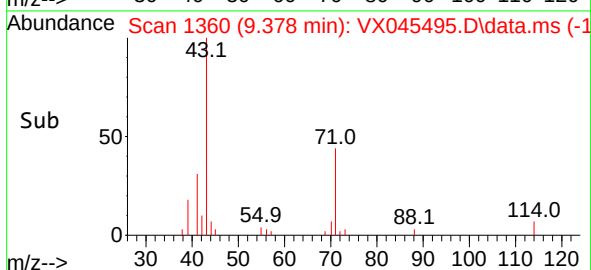
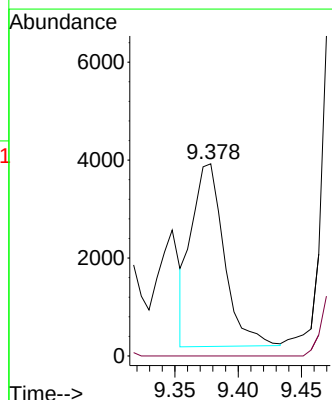
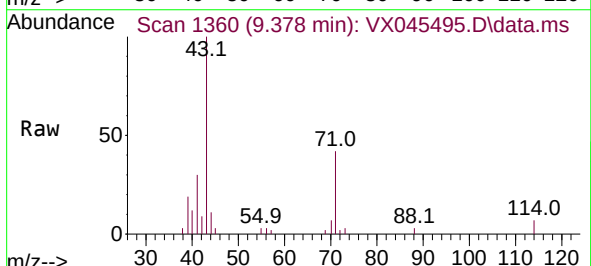
Acq: 27 Mar 2025 22:09

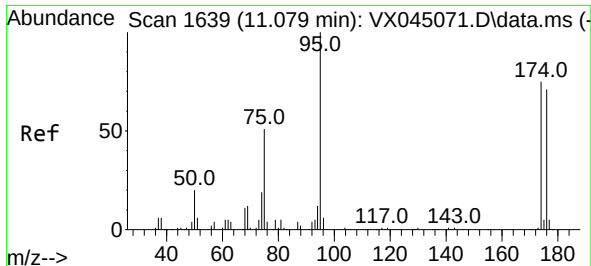
Tgt Ion: 43 Resp: 6724

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

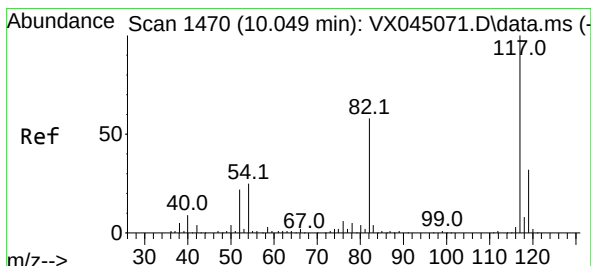
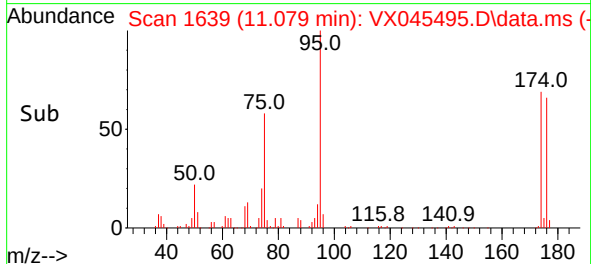
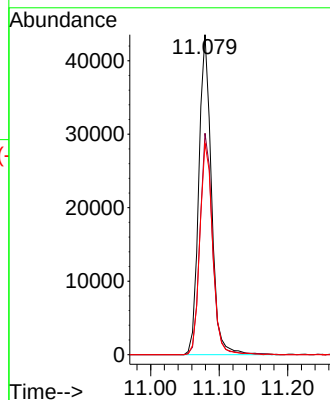
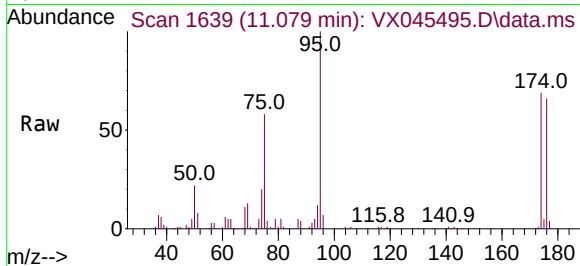




#62
4-Bromofluorobenzene
Concen: 55.067 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

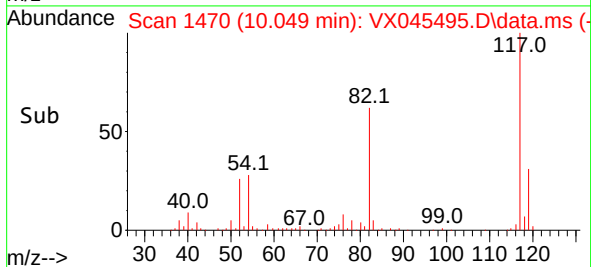
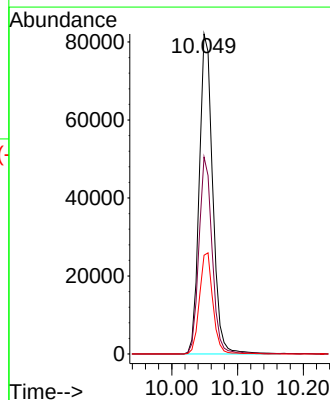
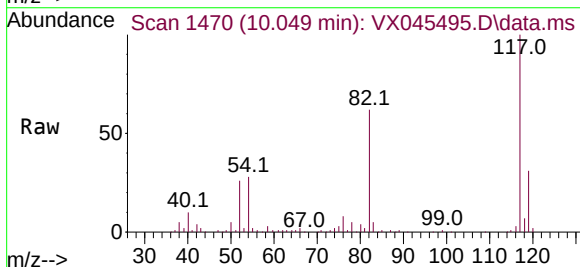
Instrument :
MSVOA_X
ClientSampleId :
TP-7

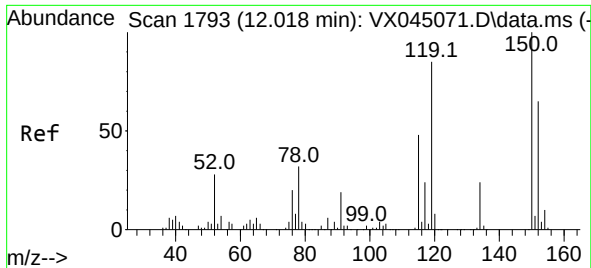
Tgt Ion: 95 Resp: 55816
Ion Ratio Lower Upper
95 100
174 68.7 0.0 148.2
176 67.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 117 Resp: 116459
Ion Ratio Lower Upper
117 100
82 61.5 46.3 69.5
119 30.9 25.7 38.5

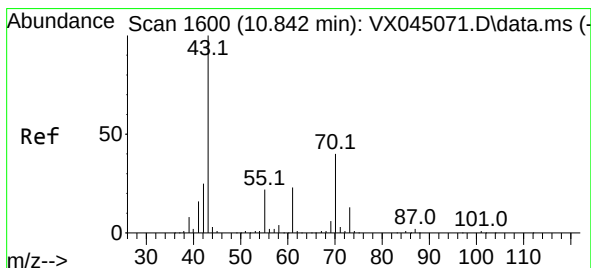
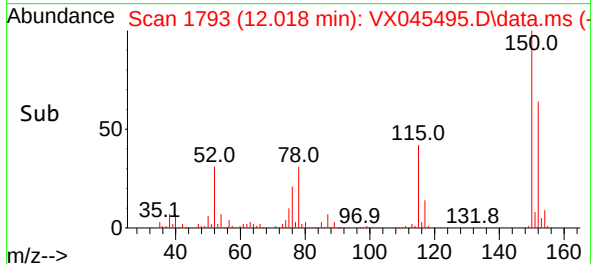
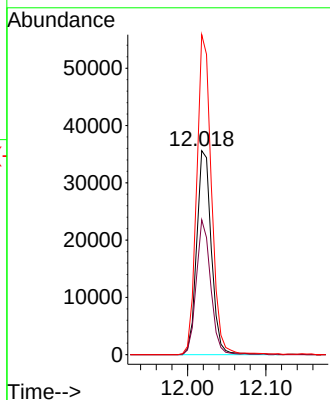
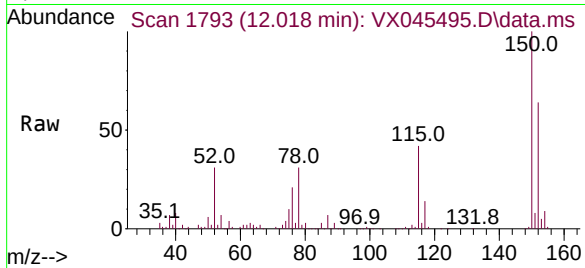




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

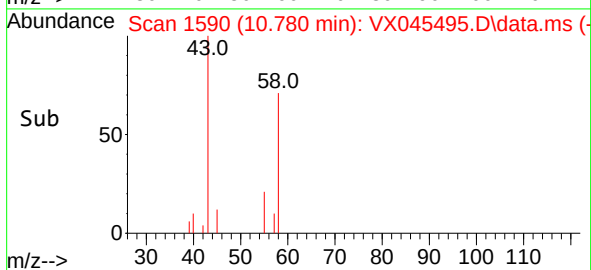
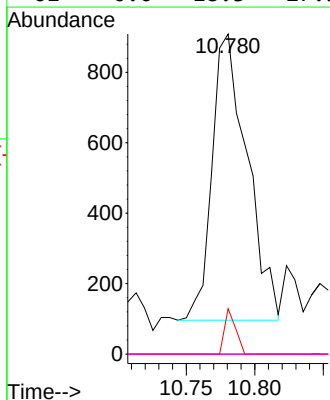
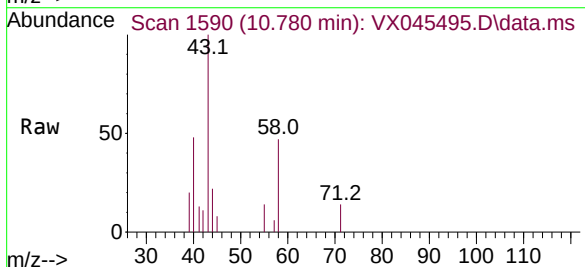
Instrument :
MSVOA_X
ClientSampleId :
TP-7

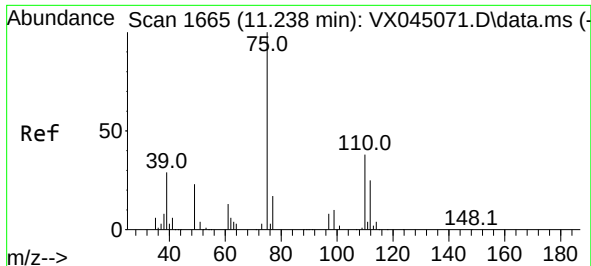
Tgt Ion:152 Resp: 46454
Ion Ratio Lower Upper
152 100
115 64.4 44.2 132.6
150 158.0 0.0 349.0



#74
N-ethyl acetate
Concen: 0.849 ug/l
RT: 10.780 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Tgt Ion: 43 Resp: 1445
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 5.0 18.3 27.5#
61 0.0 18.3 27.5#

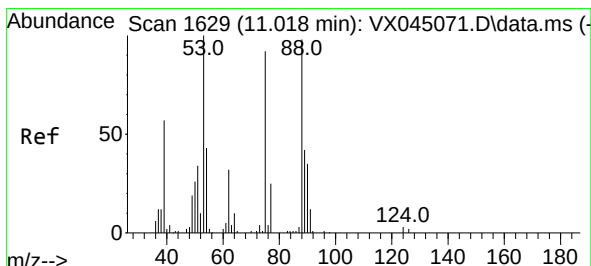
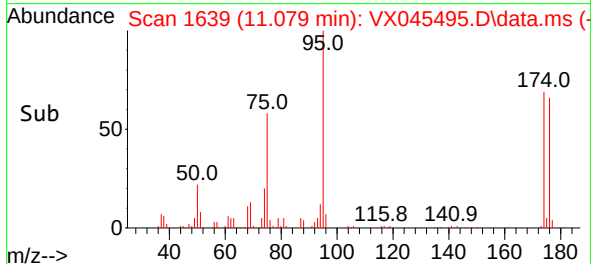
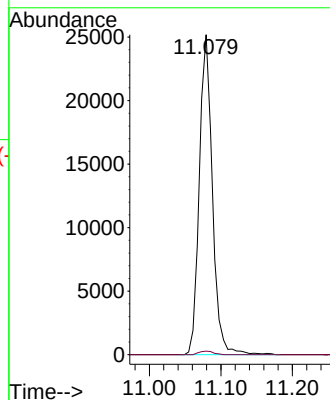
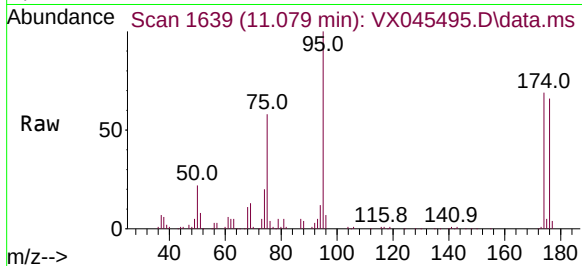




#76
1,2,3-Trichloropropane
Concen: 29.566 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

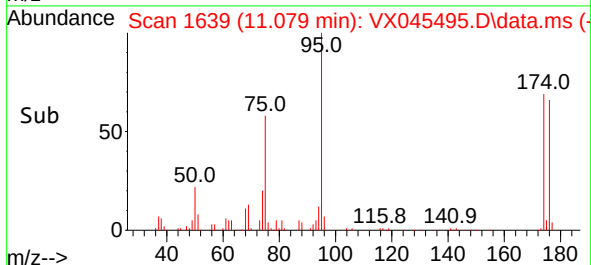
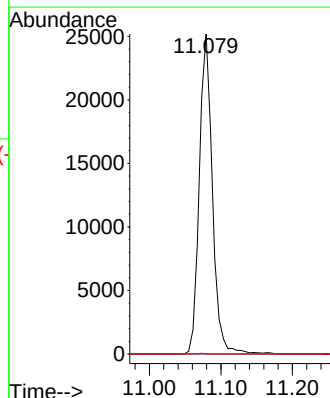
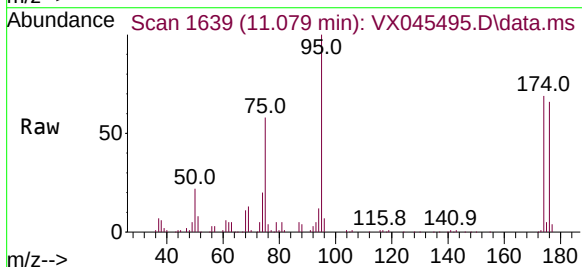
Instrument :
MSVOA_X
ClientSampleId :
TP-7

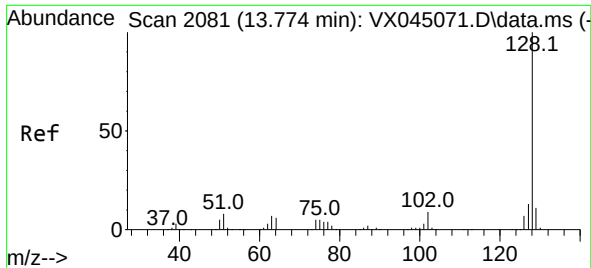
Tgt Ion: 75 Resp: 31967
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.179 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

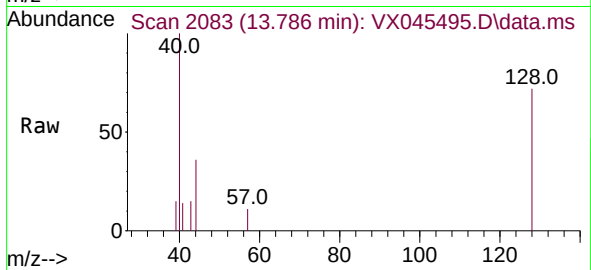
Tgt Ion: 75 Resp: 31967
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#





#95
Naphthalene
Concen: 0.223 ug/l
RT: 13.786 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045495.D
Acq: 27 Mar 2025 22:09

Instrument :
MSVOA_X
ClientSampleId :
TP-7



Tgt Ion:128 Resp: 748
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.7 13.1#

