

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032725\
 Data File : VX045493.D
 Acq On : 27 Mar 2025 21:23
 Operator : JC/MD
 Sample : Q1645-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Mar 28 01:38:50 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)

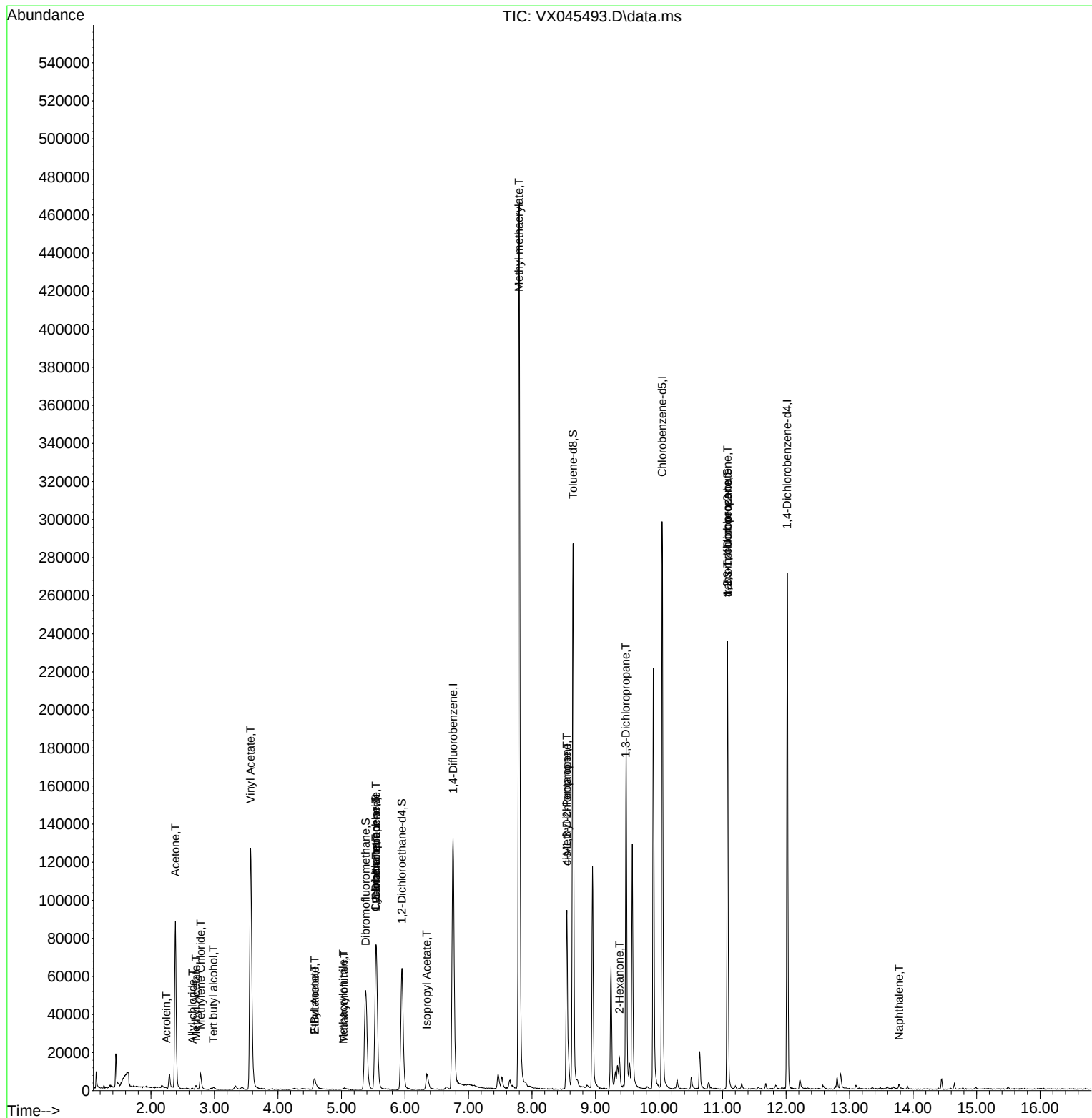
Internal Standards						
1) Pentafluorobenzene	5.550	168	67200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128699	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62568	58.534	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.060%
35) Dibromofluoromethane	5.379	113	45892	53.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.660%
50) Toluene-d8	8.647	98	163399	52.373	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.740%
62) 4-Bromofluorobenzene	11.079	95	58956	57.026	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	114.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	1236	6.105	ug/l #	88
13) Acrolein	2.239	56	319	1.363	ug/l	96
14) Allyl chloride	2.654	41	543	0.369	ug/l #	51
16) Acetone	2.386	43	95592	192.748	ug/l	94
18) Methyl Acetate	2.709	43	2597	2.177	ug/l #	89
20) Methylene Chloride	2.782	84	3480	3.542	ug/l #	89
23) Vinyl Acetate	3.568	43	2231	0.894	ug/l #	73
25) 2-Butanone	4.574	43	11956	16.016	ug/l	97
29) Tetrahydrofuran	5.044	42	671	1.338	ug/l #	91
31) Cyclohexane	5.538	56	2006	1.379	ug/l #	34
36) 1,1-Dichloropropene	5.538	75	6426	5.445	ug/l #	51
37) Ethyl Acetate	4.574	43	11956	7.862	ug/l #	70
38) Carbon Tetrachloride	5.544	117	7805	6.514	ug/l #	17
41) Methacrylonitrile	5.026	41	181	0.220	ug/l #	1
43) Isopropyl Acetate	6.342	43	11724	5.214	ug/l	96
48) Methyl methacrylate	7.793	41	46587	41.294	ug/l #	48
51) 4-Methyl-2-Pentanone	8.549	43	41222	27.301	ug/l #	38
54) cis-1,3-Dichloropropene	8.549	75	14549	11.234	ug/l #	72
57) 1,3-Dichloropropane	9.476	76	1619	1.039	ug/l #	43
59) 2-Hexanone	9.378	43	12993	11.877	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	33031	28.710	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33031	98.250	ug/l #	6
95) Naphthalene	13.780	128	2112	0.593	ug/l	99

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

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Quant Time: Mar 28 01:38:50 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

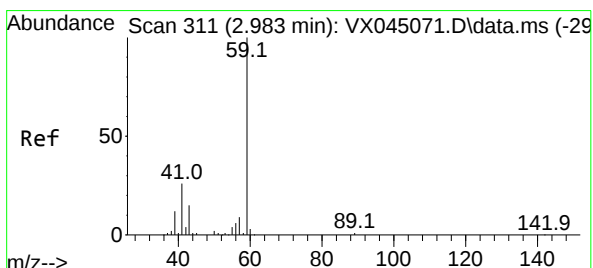
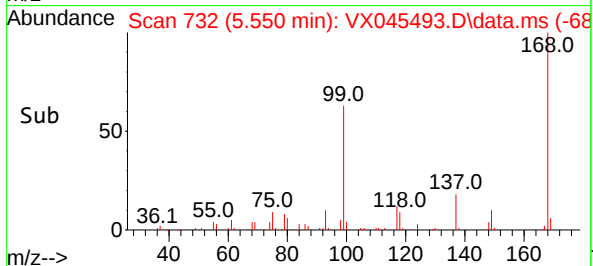
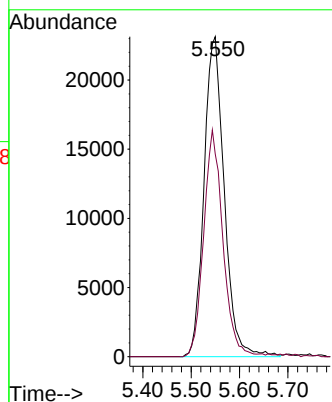
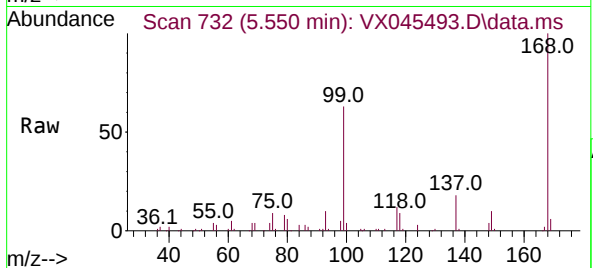




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

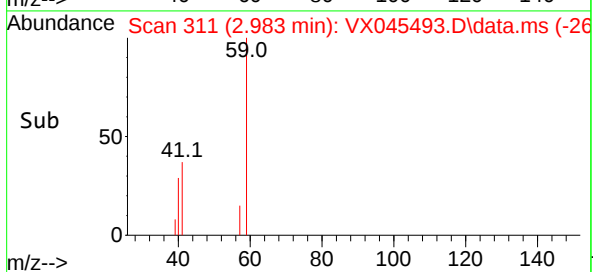
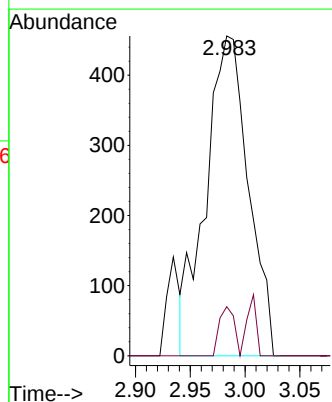
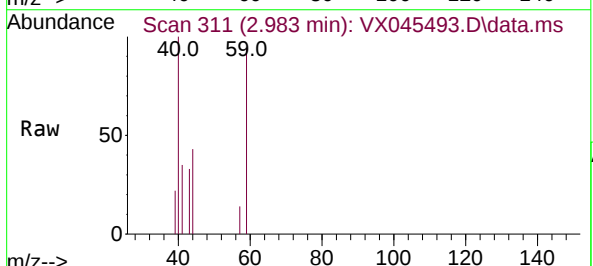
Instrument :
MSVOA_X
ClientSampleId :
TP-1

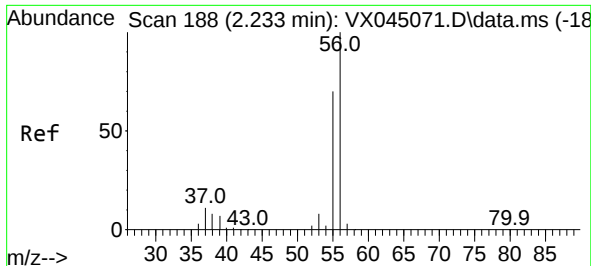
Tgt Ion:168 Resp: 67200
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#11
Tert butyl alcohol
Concen: 6.105 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 59 Resp: 1236
Ion Ratio Lower Upper
59 100
57 5.3 7.8 11.8#





#13

Acrolein

Concen: 1.363 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

Instrument :

MSVOA_X

ClientSampleId :

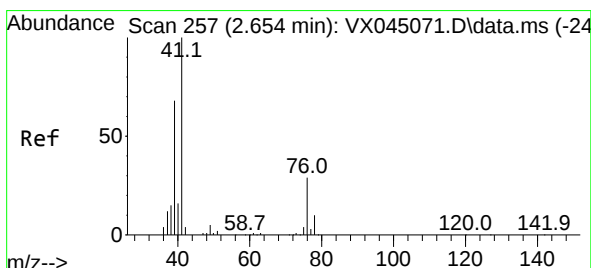
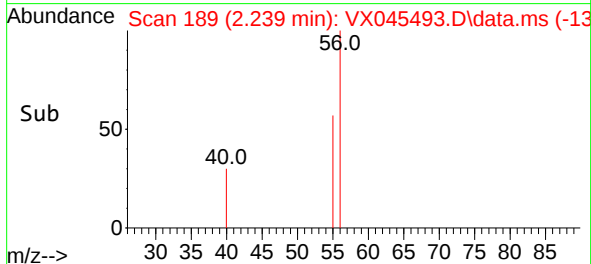
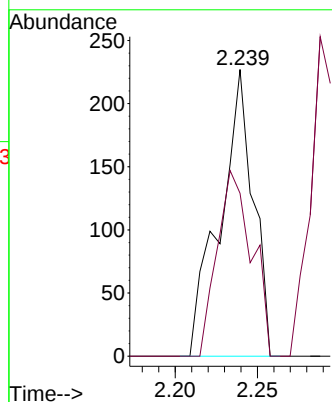
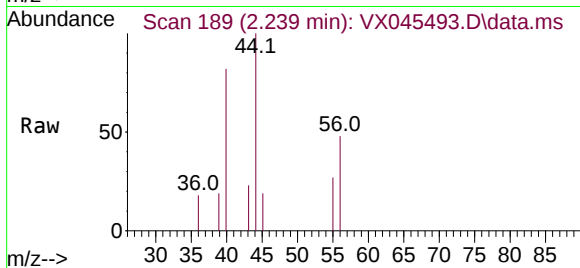
TP-1

Tgt Ion: 56 Resp: 319

Ion Ratio Lower Upper

56 100

55 67.4 56.2 84.4



#14

Allyl chloride

Concen: 0.369 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

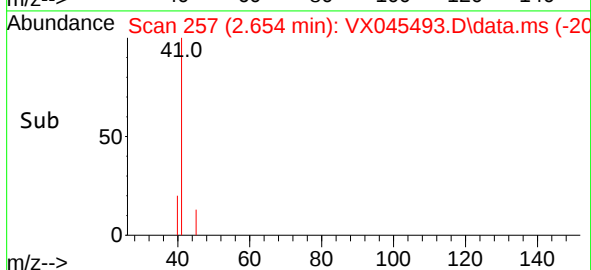
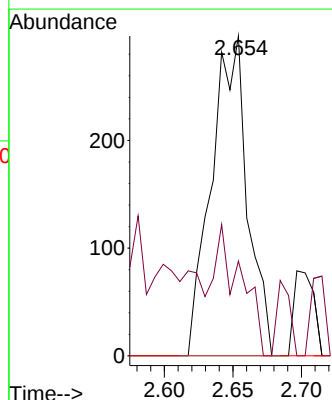
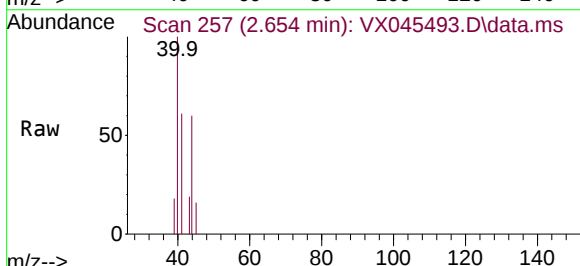
Tgt Ion: 41 Resp: 543

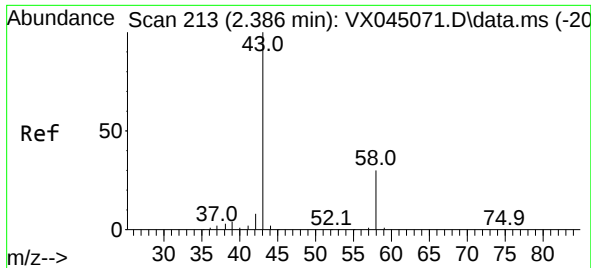
Ion Ratio Lower Upper

41 100

39 31.1 53.8 80.8#

76 0.0 25.2 37.8#

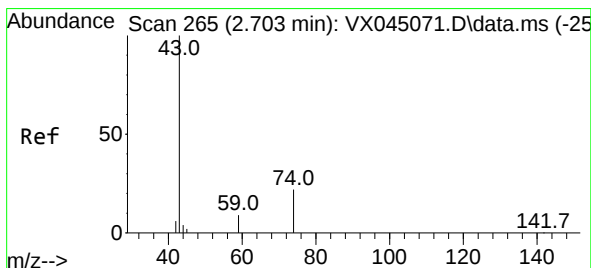
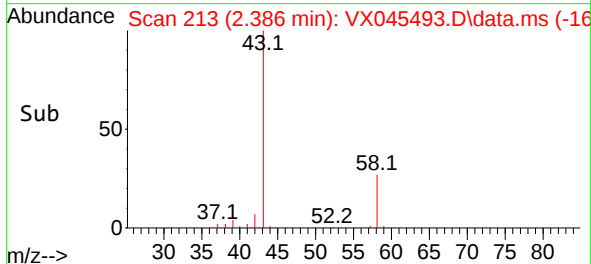
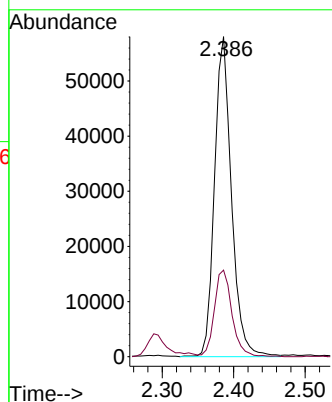
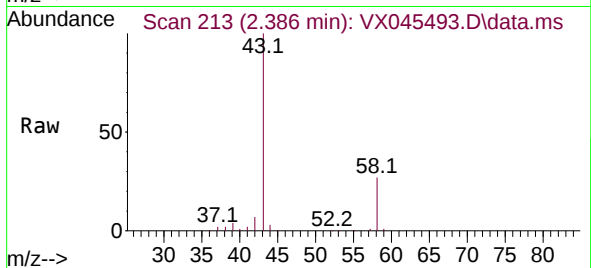




#16
Acetone
Concen: 192.748 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

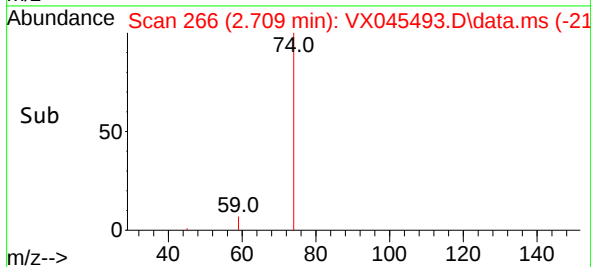
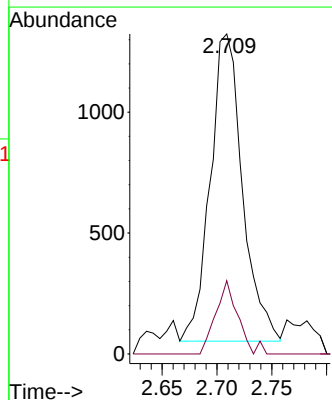
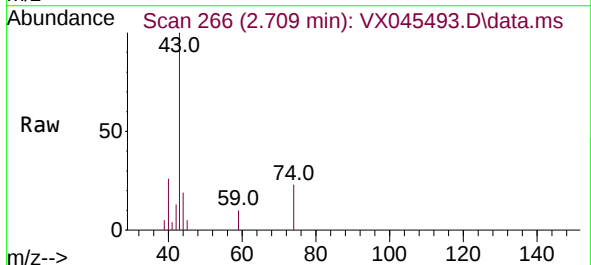
Instrument :
MSVOA_X
ClientSampleId :
TP-1

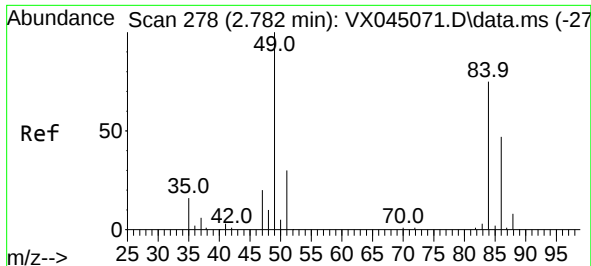
Tgt Ion: 43 Resp: 95592
Ion Ratio Lower Upper
43 100
58 26.9 24.2 36.4



#18
Methyl Acetate
Concen: 2.177 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 43 Resp: 2597
Ion Ratio Lower Upper
43 100
74 16.5 17.4 26.2#





#20

Methylene Chloride

Concen: 3.542 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

Instrument :

MSVOA_X

ClientSampleId :

TP-1

Tgt Ion: 84 Resp: 3480

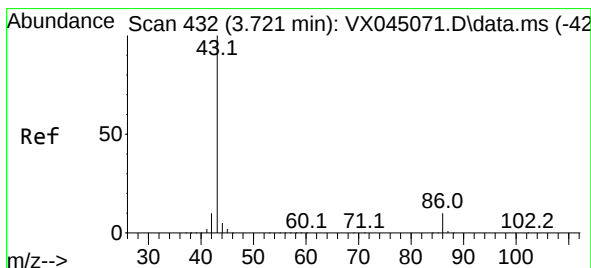
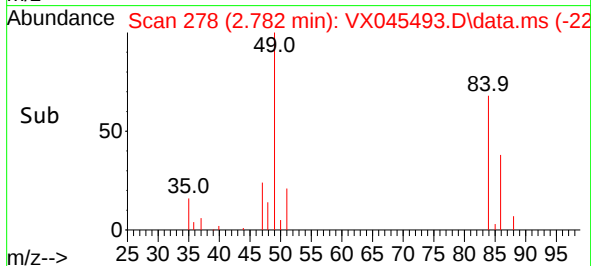
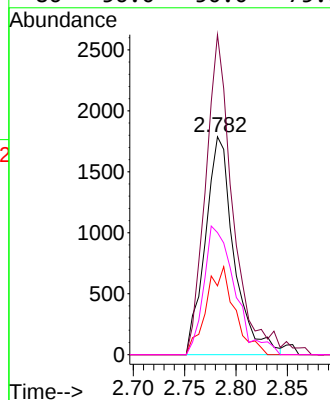
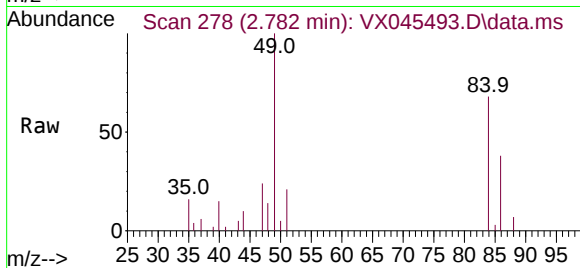
Ion Ratio Lower Upper

84 100

49 146.9 106.5 159.7

51 31.6 32.1 48.1#

86 56.0 50.0 75.0



#23

Vinyl Acetate

Concen: 0.894 ug/l

RT: 3.568 min Scan# 407

Delta R.T. -0.152 min

Lab File: VX045493.D

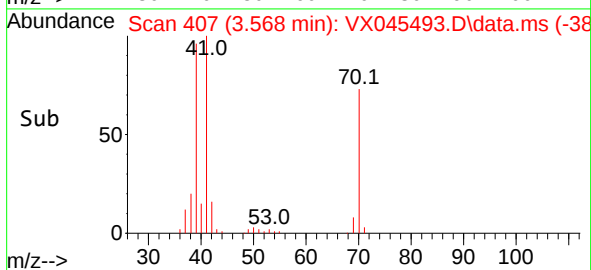
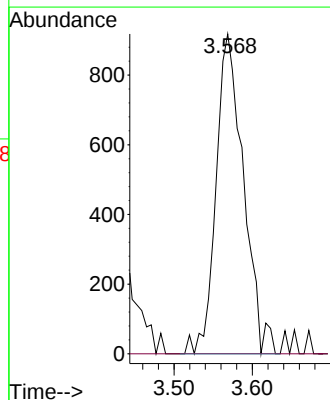
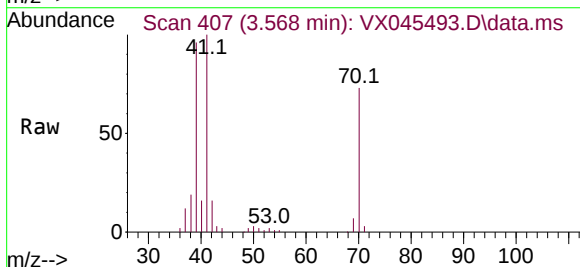
Acq: 27 Mar 2025 21:23

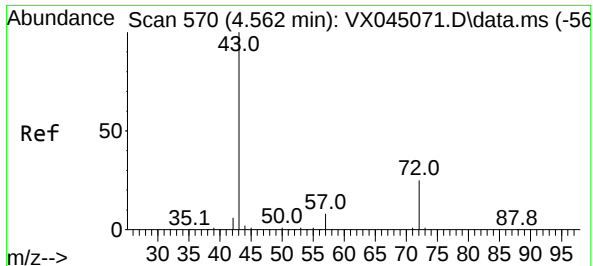
Tgt Ion: 43 Resp: 2231

Ion Ratio Lower Upper

43 100

86 0.0 8.1 12.1#





#25

2-Butanone

Concen: 16.016 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

Instrument :

MSVOA_X

ClientSampleId :

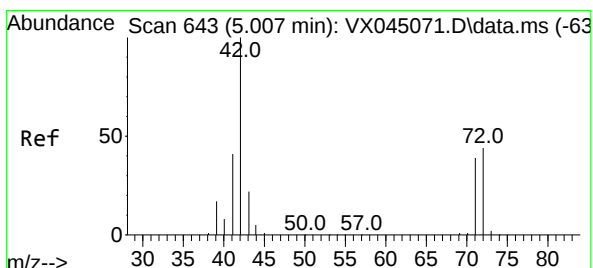
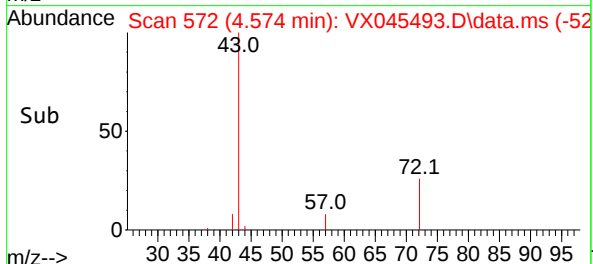
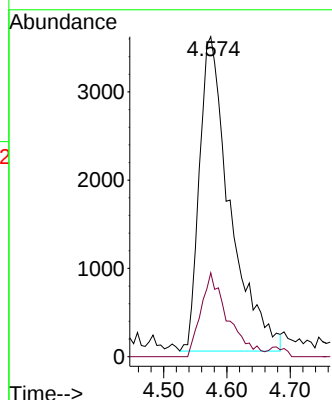
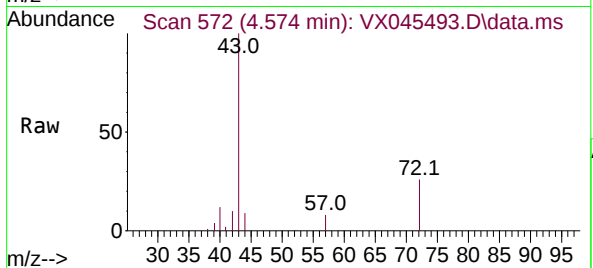
TP-1

Tgt Ion: 43 Resp: 11956

Ion Ratio Lower Upper

43 100

72 26.7 20.0 30.0



#29

Tetrahydrofuran

Concen: 1.338 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.037 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

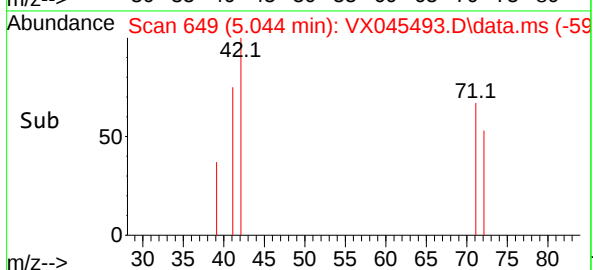
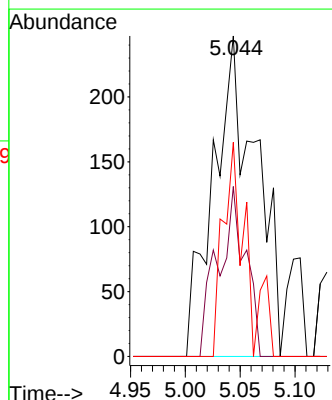
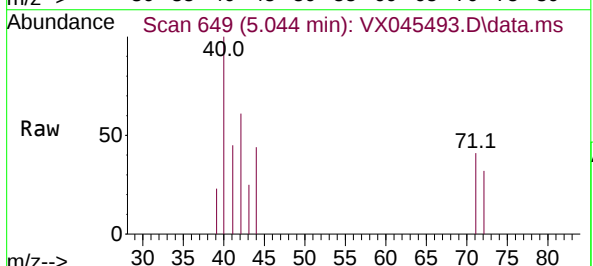
Tgt Ion: 42 Resp: 671

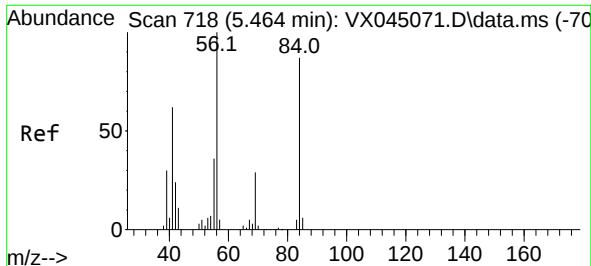
Ion Ratio Lower Upper

42 100

72 33.7 34.1 51.1#

71 36.8 31.4 47.0

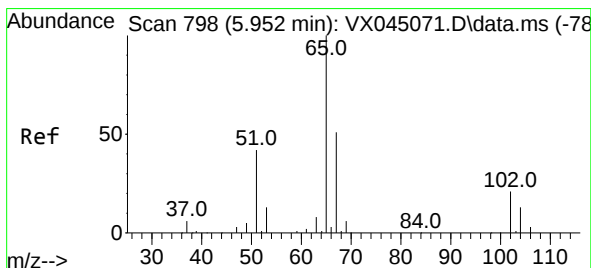
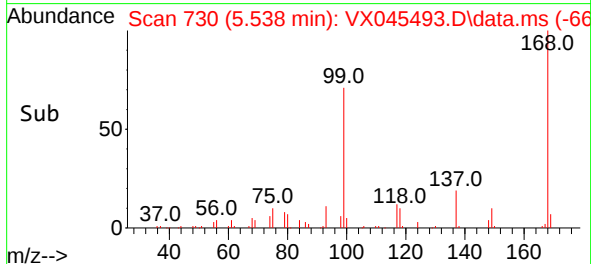
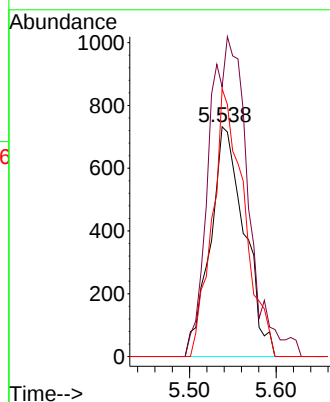
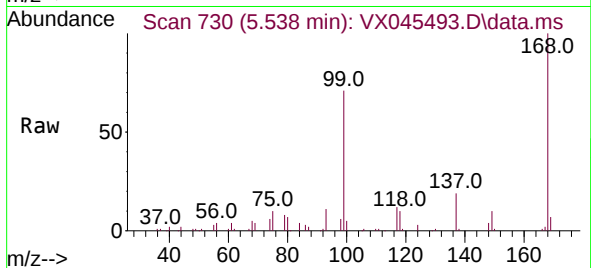




#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

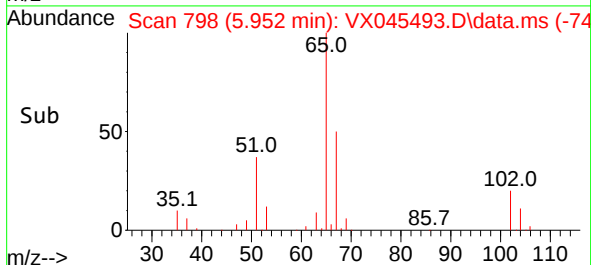
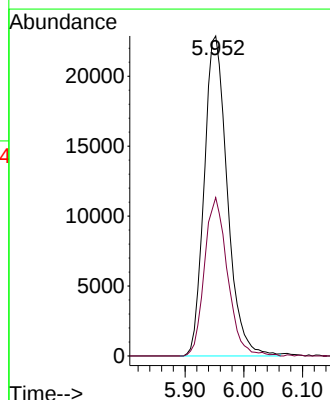
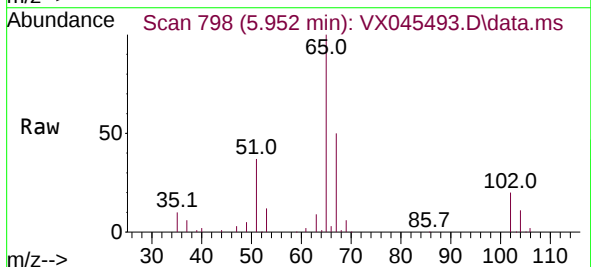
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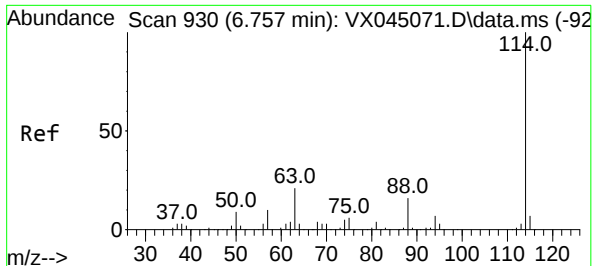
Tgt Ion: 56 Resp: 2006
Ion Ratio Lower Upper
56 100
69 117.3 23.4 35.2#
84 116.5 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 58.534 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 65 Resp: 62568
Ion Ratio Lower Upper
65 100
67 49.5 0.0 106.2

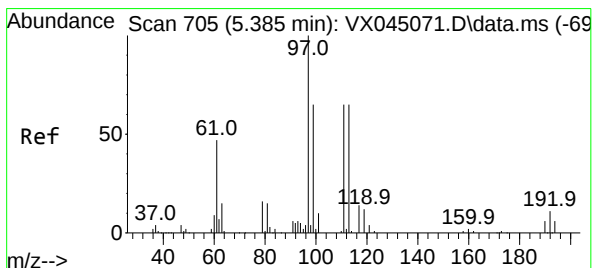
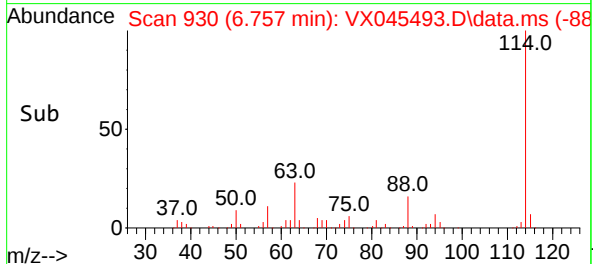
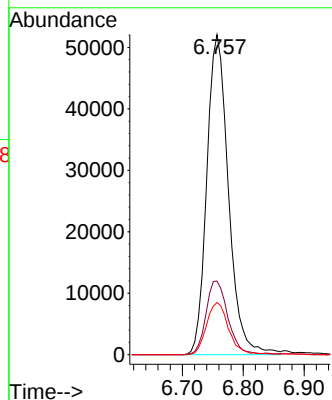
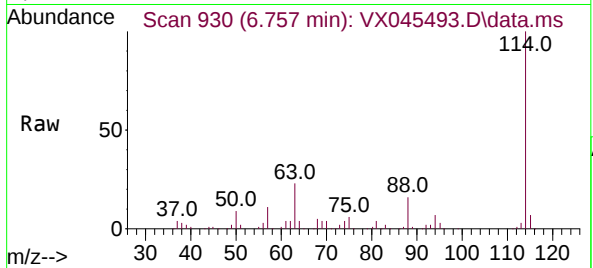




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

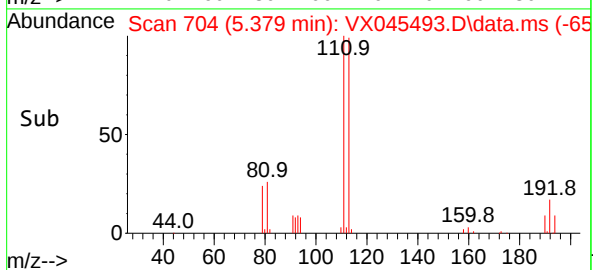
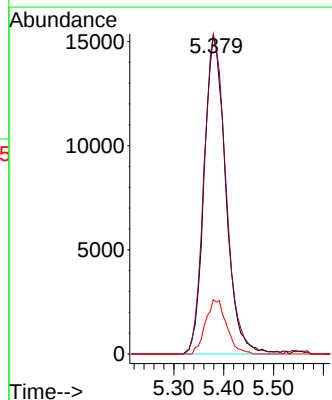
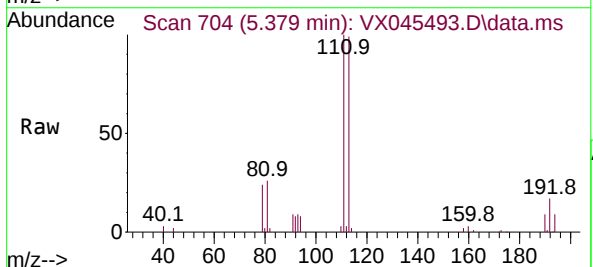
Instrument :
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ClientSampleId :
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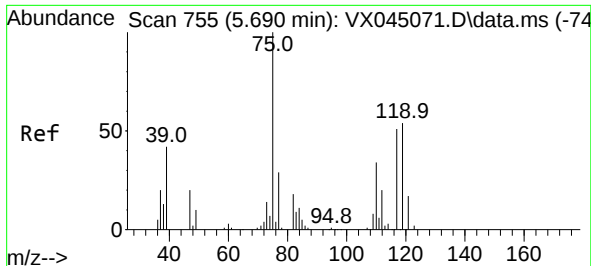
Tgt Ion:114 Resp: 128699
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.327 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion:113 Resp: 45892
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.445 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

Instrument :

MSVOA_X

ClientSampleId :

TP-1

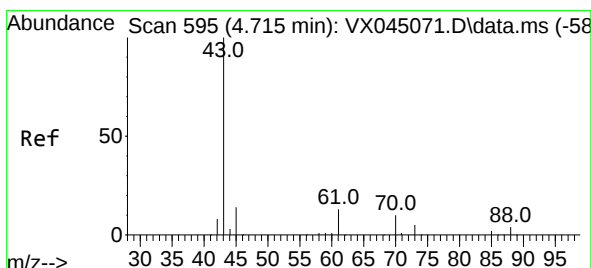
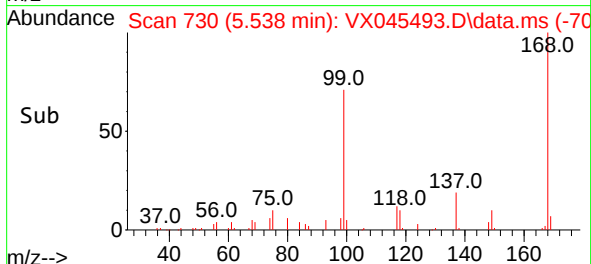
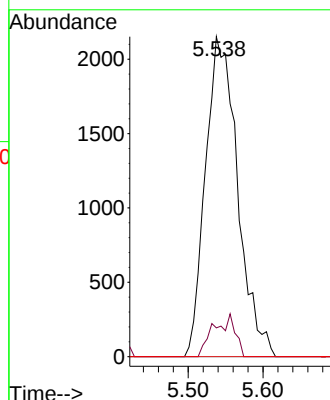
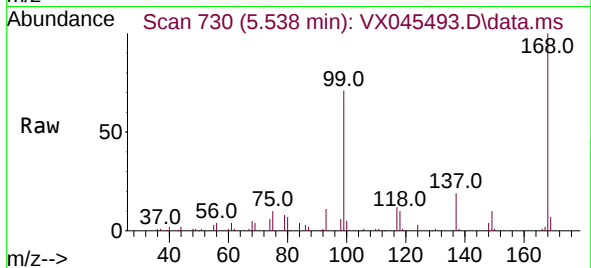
Tgt Ion: 75 Resp: 6426

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 7.862 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.140 min

Lab File: VX045493.D

Acq: 27 Mar 2025 21:23

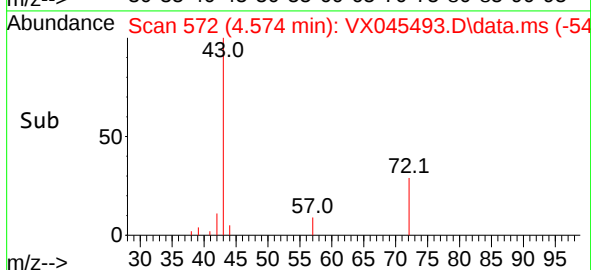
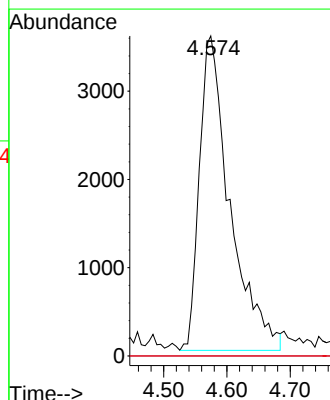
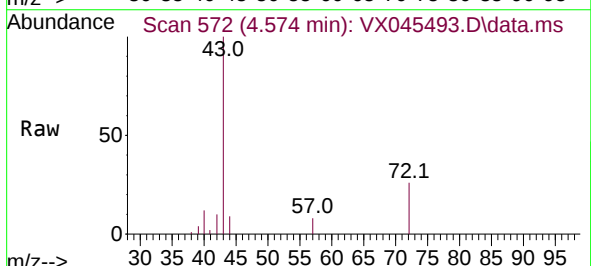
Tgt Ion: 43 Resp: 11956

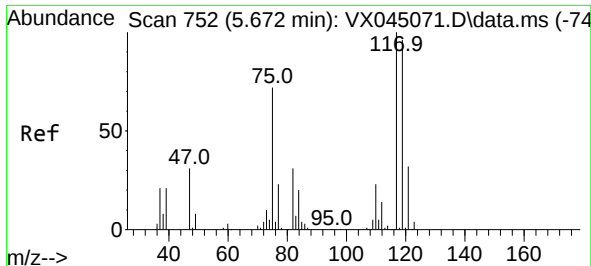
Ion Ratio Lower Upper

43 100

61 0.0 10.8 16.2#

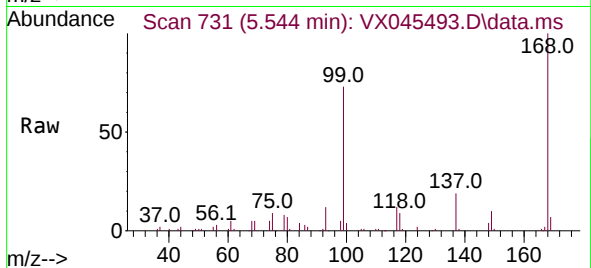
70 0.0 7.7 11.5#



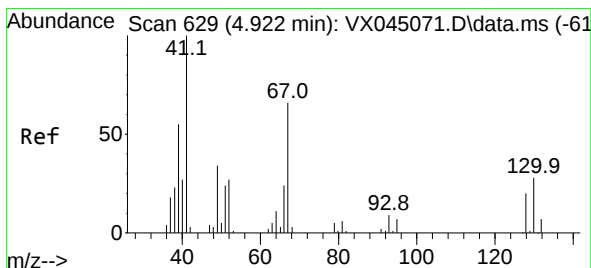
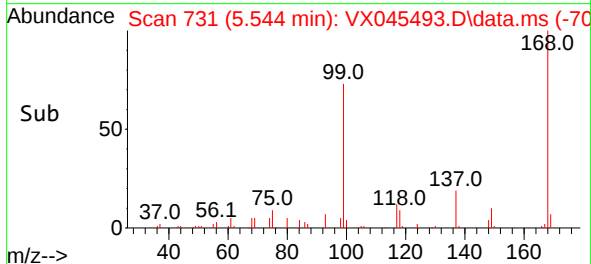
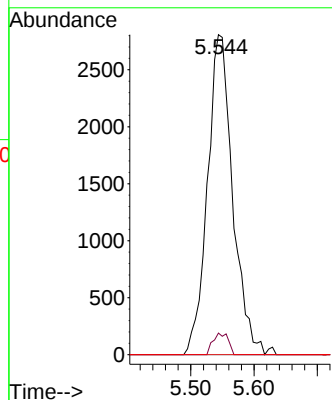


#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Instrument :
MSVOA_X
ClientSampleId :
TP-1

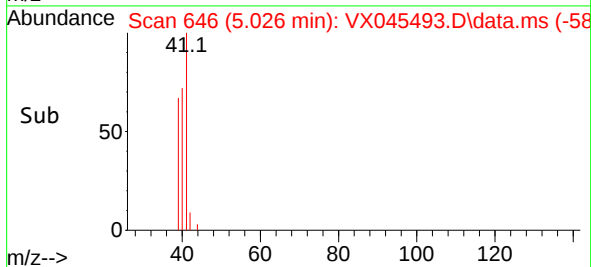
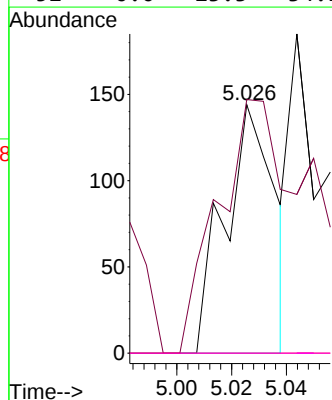
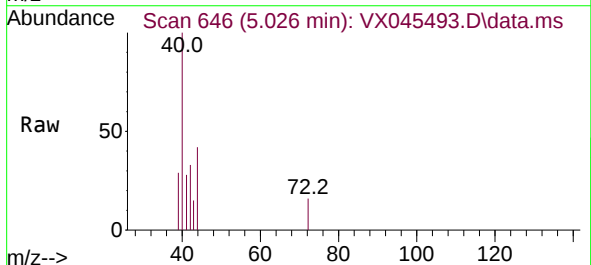


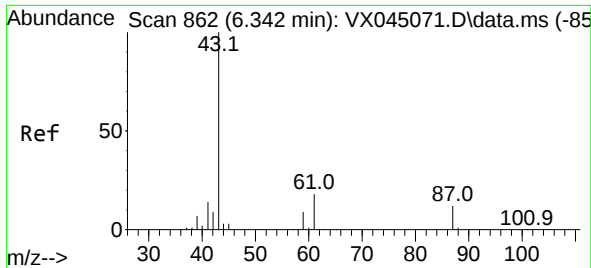
Tgt Ion:117 Resp: 7805
Ion Ratio Lower Upper
117 100
119 6.8 76.7 115.1#
121 0.0 25.5 38.3#



#41
Methacrylonitrile
Concen: 0.220 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 41 Resp: 181
Ion Ratio Lower Upper
41 100
39 179.6 44.6 67.0#
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#

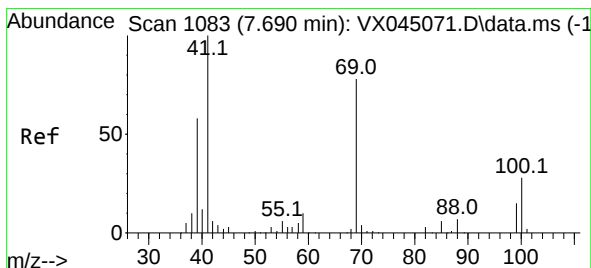
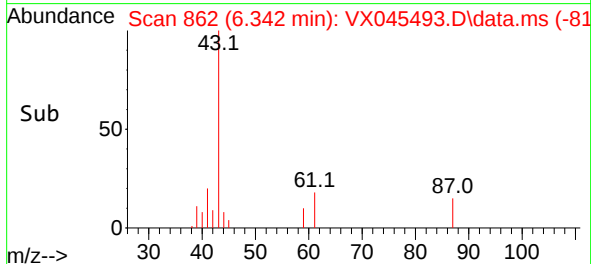
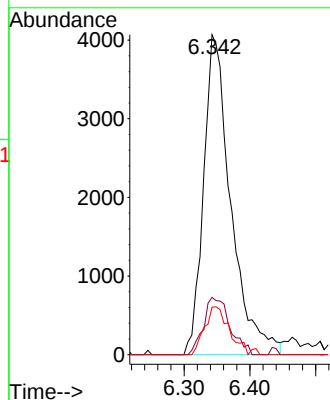
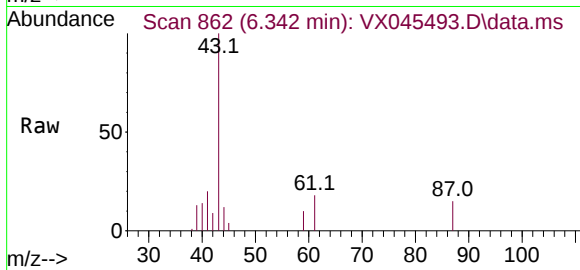




#43
Isopropyl Acetate
Concen: 5.214 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

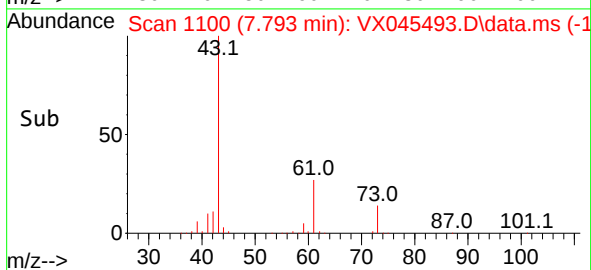
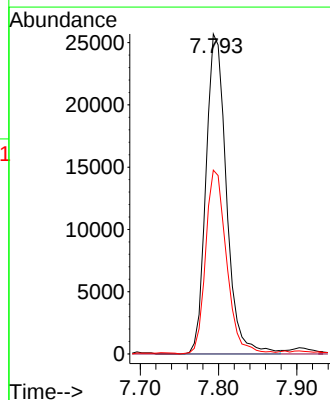
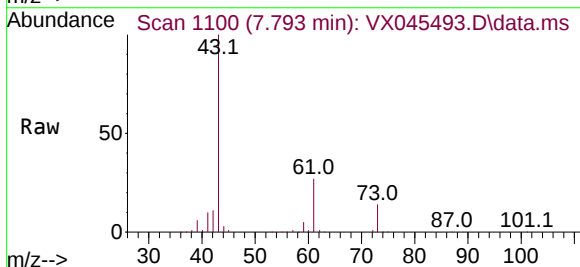
Instrument :
MSVOA_X
ClientSampleId :
TP-1

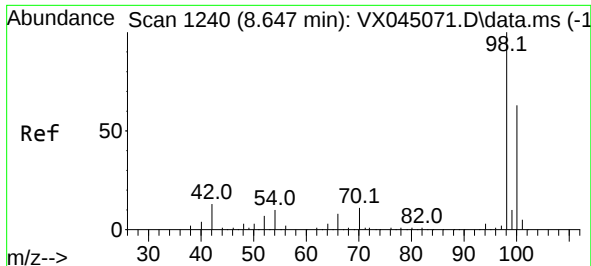
Tgt Ion:	43	Resp:	11724
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.9	22.3
87	13.9	9.4	14.2



#48
Methyl methacrylate
Concen: 41.294 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion:	41	Resp:	46587
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.0	94.6#
39	58.9	47.5	71.3

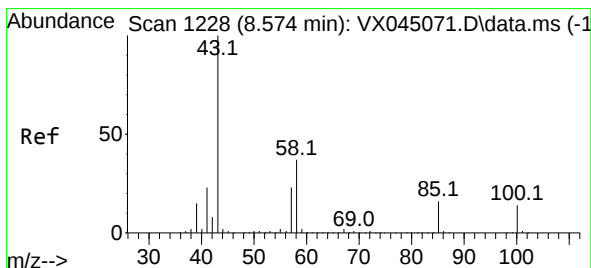
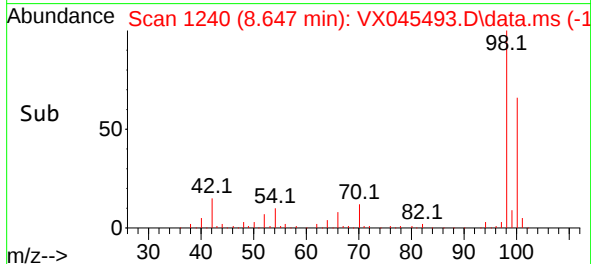
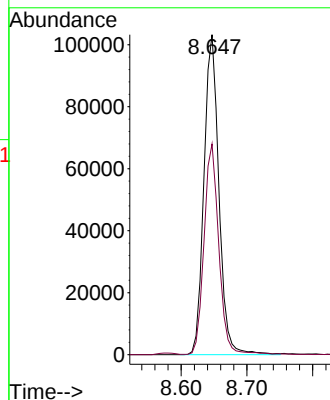
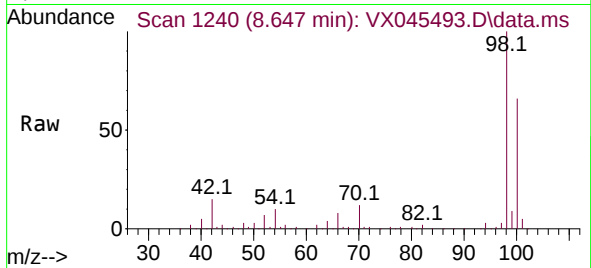




#50
Toluene-d8
Concen: 52.373 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

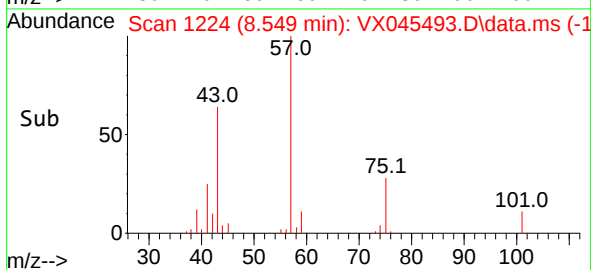
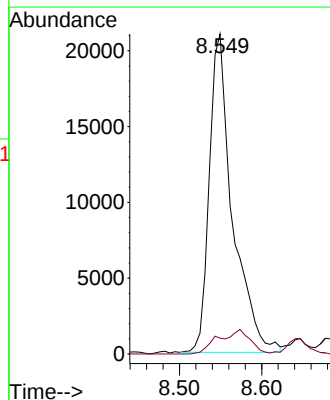
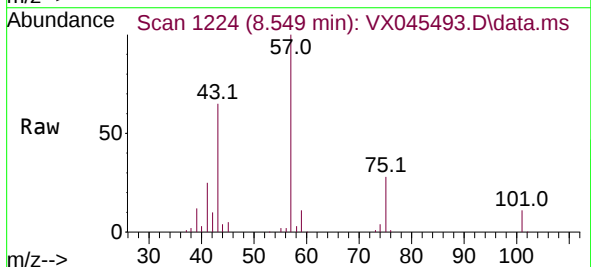
Instrument :
MSVOA_X
ClientSampleId :
TP-1

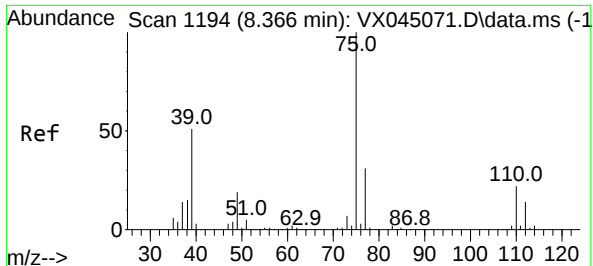
Tgt Ion: 98 Resp: 163399
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 27.301 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 43 Resp: 41222
Ion Ratio Lower Upper
43 100
58 0.0 29.2 43.8#

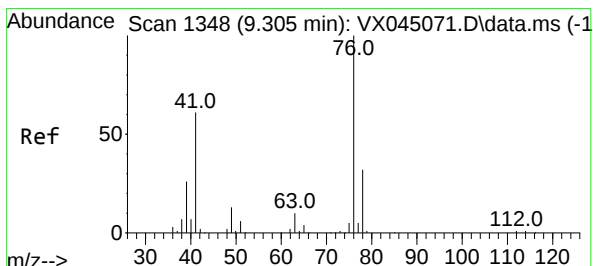
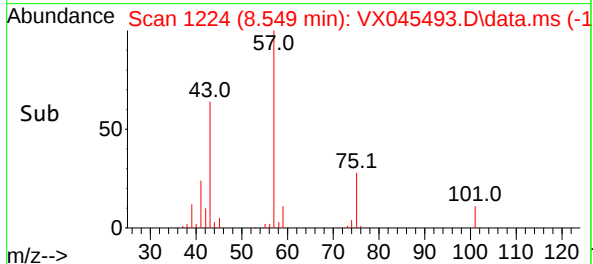
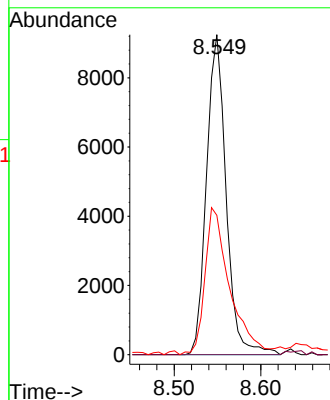
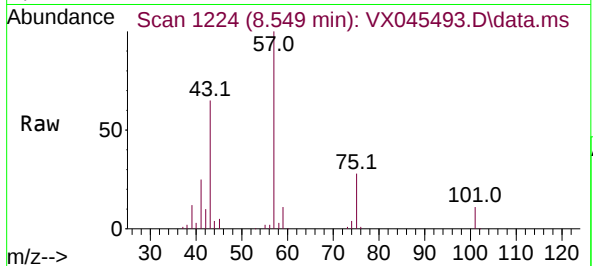




#54
 cis-1,3-Dichloropropene
 Concen: 11.234 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045493.D
 Acq: 27 Mar 2025 21:23

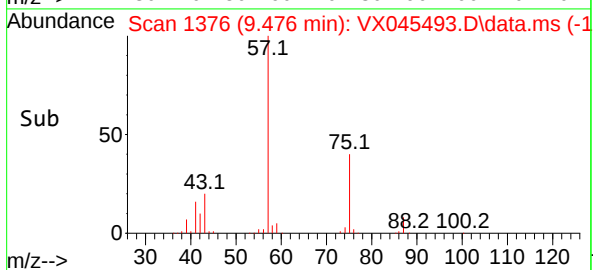
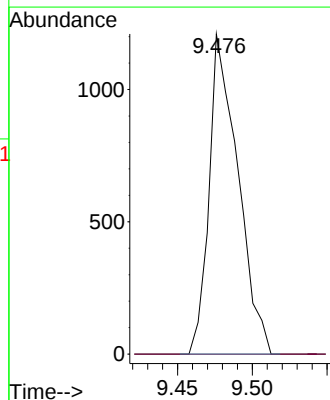
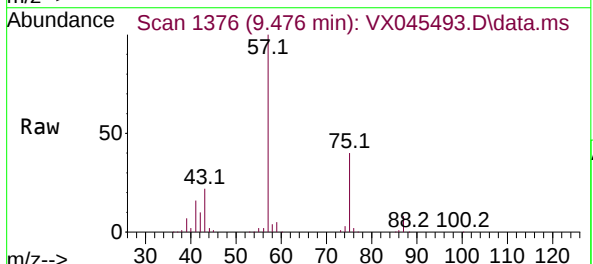
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

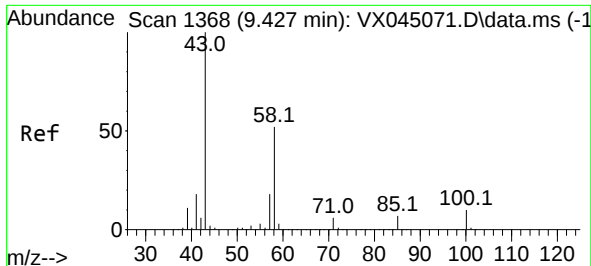
Tgt Ion: 75 Resp: 14549
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.7 37.1#
 39 43.6 40.7 61.1



#57
 1,3-Dichloropropane
 Concen: 1.039 ug/l
 RT: 9.476 min Scan# 1376
 Delta R.T. 0.171 min
 Lab File: VX045493.D
 Acq: 27 Mar 2025 21:23

Tgt Ion: 76 Resp: 1619
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

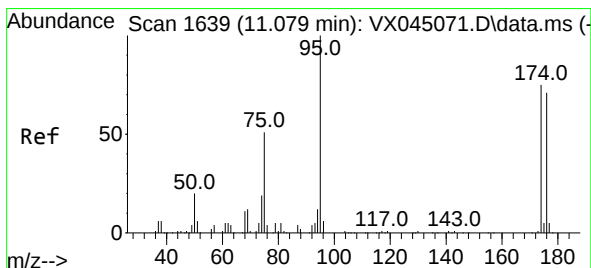
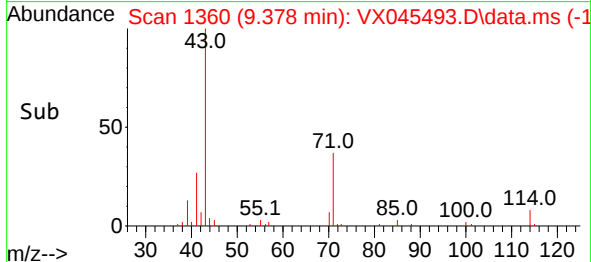
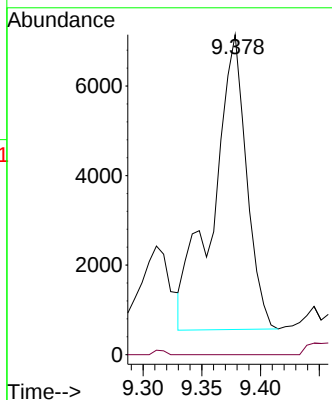
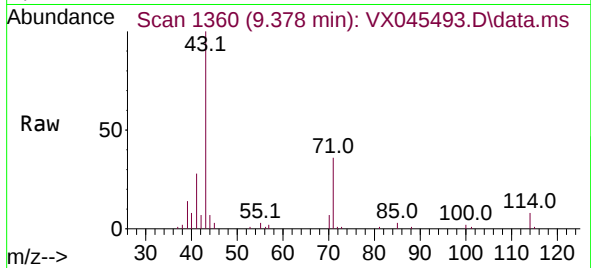




#59
2-Hexanone
Concen: 11.877 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

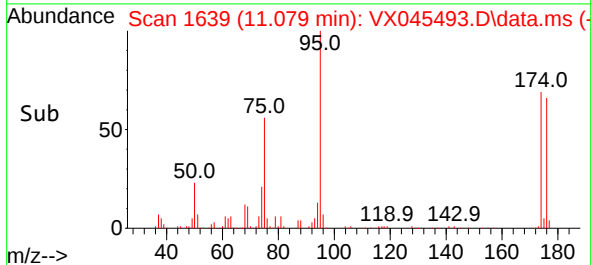
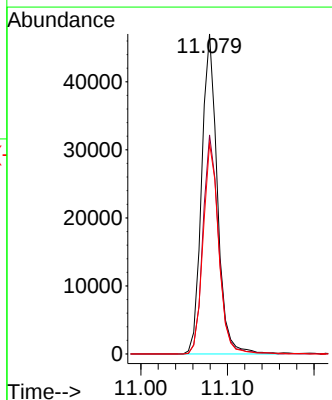
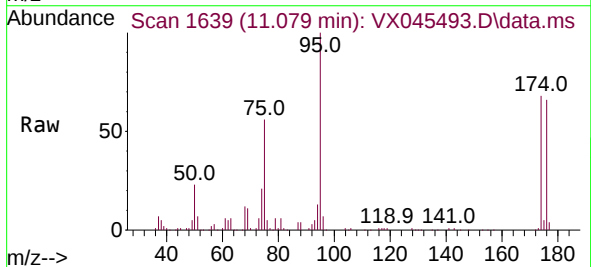
Instrument :
MSVOA_X
ClientSampleId :
TP-1

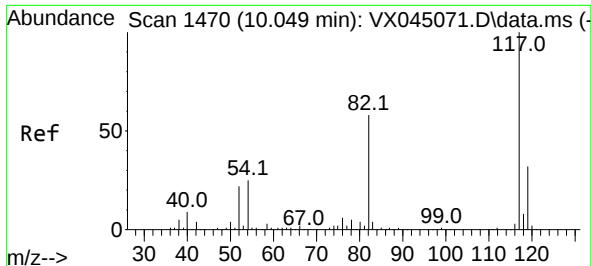
Tgt Ion: 43 Resp: 12993
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 57.026 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 95 Resp: 58956
Ion Ratio Lower Upper
95 100
174 68.6 0.0 148.2
176 65.9 0.0 141.4

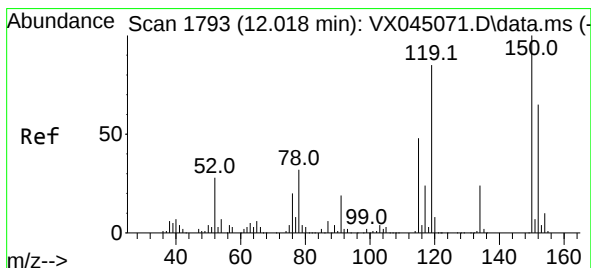
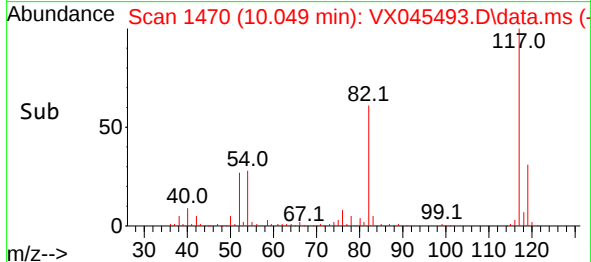
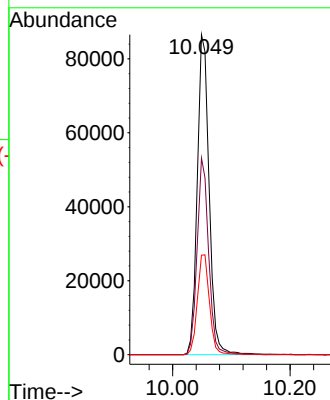
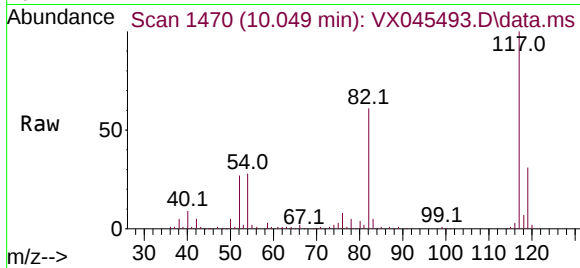




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

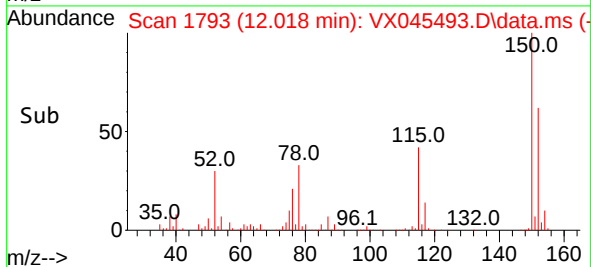
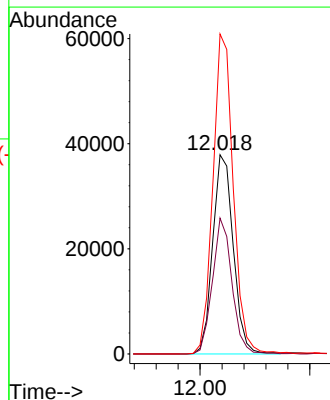
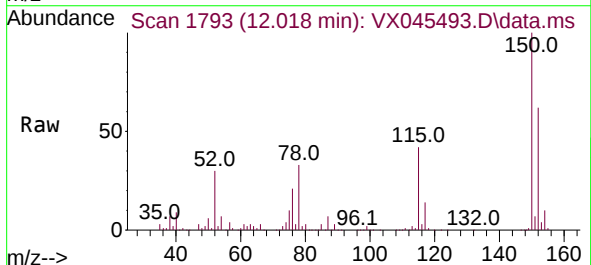
Instrument :
MSVOA_X
ClientSampleId :
TP-1

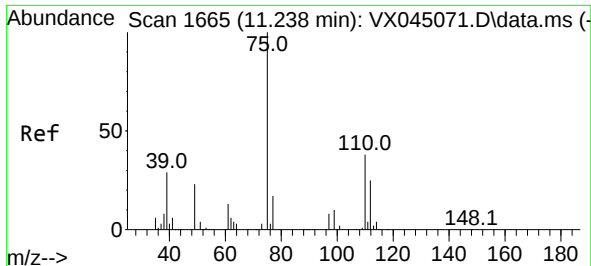
Tgt Ion:117 Resp: 121264
Ion Ratio Lower Upper
117 100
82 61.5 46.3 69.5
119 31.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion:152 Resp: 49431
Ion Ratio Lower Upper
152 100
115 64.7 44.2 132.6
150 158.8 0.0 349.0

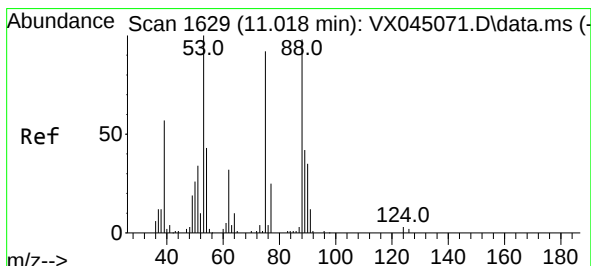
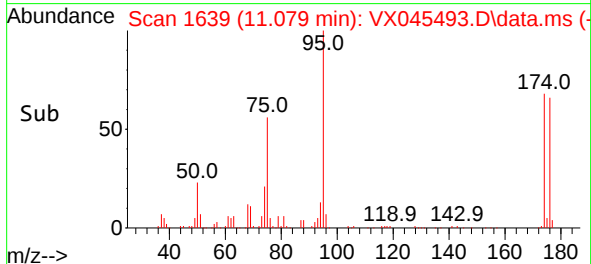
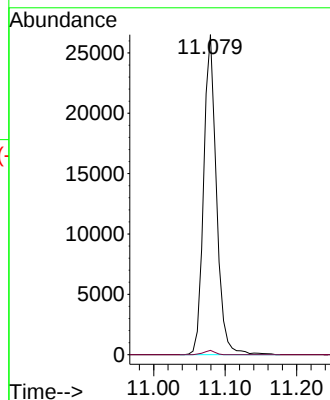
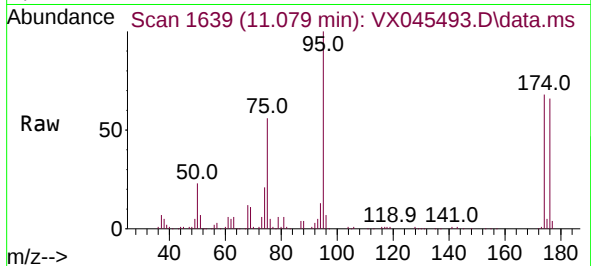




#76
1,2,3-Trichloropropane
Concen: 28.710 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

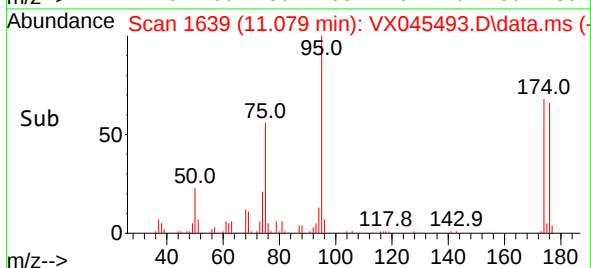
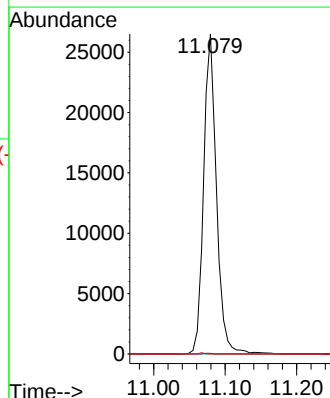
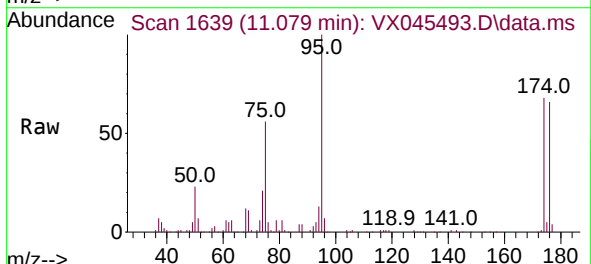
Instrument :
MSVOA_X
ClientSampleId :
TP-1

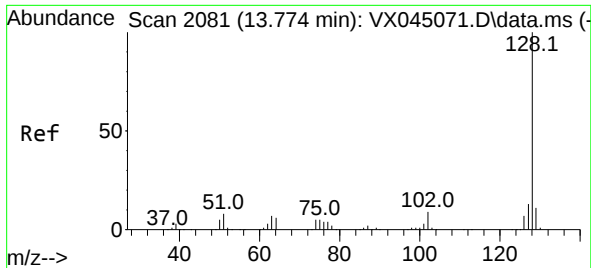
Tgt Ion: 75 Resp: 33031
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Tgt Ion: 75 Resp: 33031
Ion Ratio Lower Upper
75 100
53 0.1 88.5 132.7#
89 0.1 36.2 54.4#





#95
Naphthalene
Concen: 0.593 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045493.D
Acq: 27 Mar 2025 21:23

Instrument :
MSVOA_X
ClientSampleId :
TP-1

Tgt Ion:	128	Resp:	2112
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.4	8.7	13.1

