

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031725\
 Data File : VX045309.D
 Acq On : 17 Mar 2025 16:35
 Operator : JC/MD
 Sample : Q1568-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JC-03-03132025

Quant Time: Mar 18 01:30:25 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)

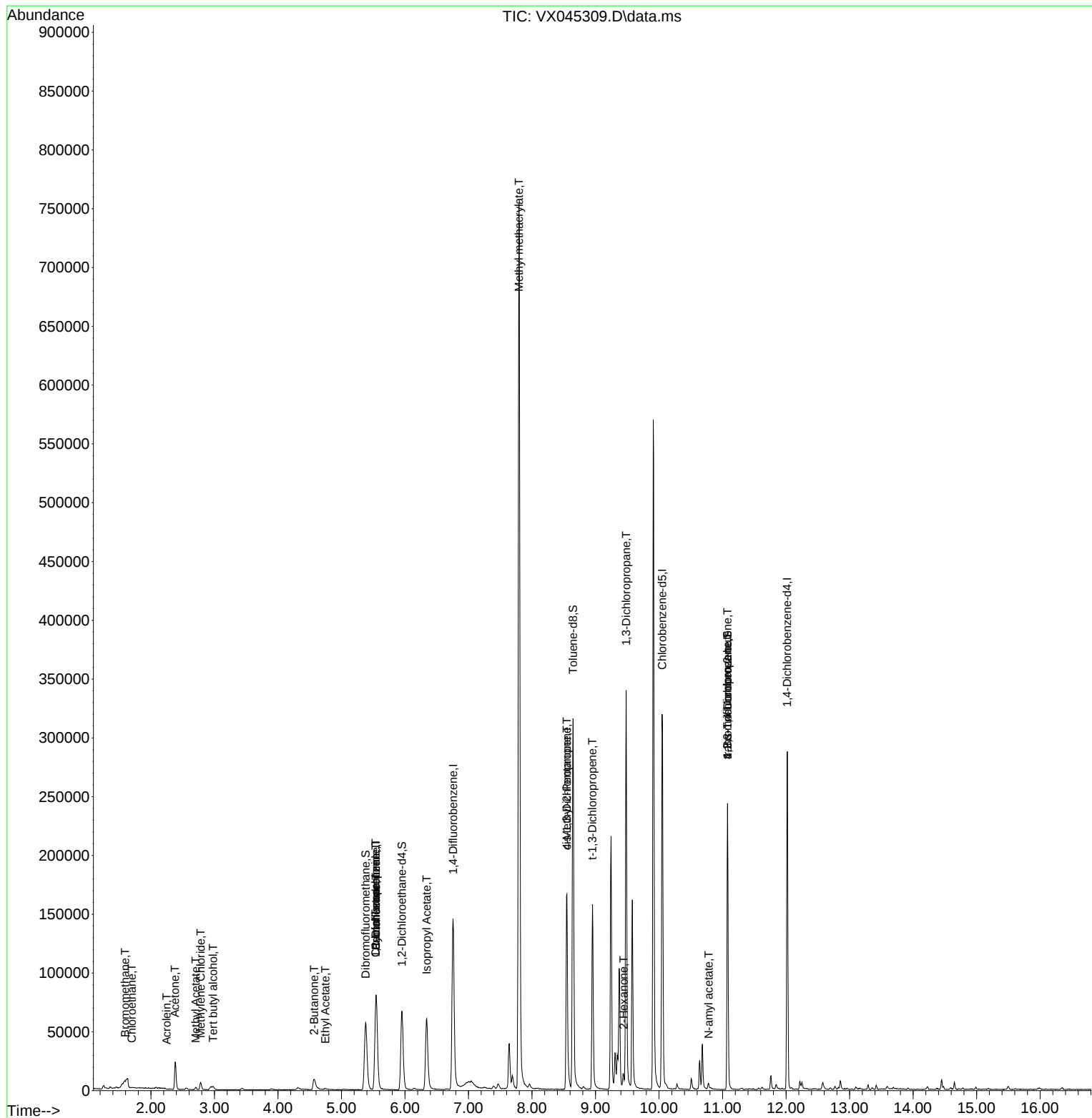
Internal Standards						
1) Pentafluorobenzene	5.544	168	72781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	136750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64867	56.031	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.060%	
35) Dibromofluoromethane	5.379	113	49986	51.850	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.700%	
50) Toluene-d8	8.647	98	185557	53.092	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.180%	
62) 4-Bromofluorobenzene	11.079	95	63019	54.414	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	95	0.217	ug/l #	3
6) Chloroethane	1.697	64	191	0.372	ug/l #	41
11) Tert butyl alcohol	2.977	59	4623	21.082	ug/l #	92
13) Acrolein	2.245	56	70	0.276	ug/l #	49
16) Acetone	2.380	43	26005	48.415	ug/l	100
18) Methyl Acetate	2.703	43	2695	2.086	ug/l	92
20) Methylene Chloride	2.782	84	3081	2.896	ug/l	94
25) 2-Butanone	4.568	43	18901	23.377	ug/l	95
31) Cyclohexane	5.544	56	2063	1.310	ug/l #	14
36) 1,1-Dichloropropene	5.538	75	6791	5.137	ug/l #	49
37) Ethyl Acetate	4.745	43	1336	0.784	ug/l #	94
38) Carbon Tetrachloride	5.538	117	8140	6.064	ug/l #	17
43) Isopropyl Acetate	6.342	43	87360	34.678	ug/l	99
48) Methyl methacrylate	7.793	41	69074	54.654	ug/l #	49
51) 4-Methyl-2-Pentanone	8.549	43	64634	38.212	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	319	0.256	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	26795	18.470	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	2798	1.603	ug/l #	43
59) 2-Hexanone	9.439	43	8714	7.110	ug/l	94
74) N-amyl acetate	10.781	43	3406	1.741	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	35030	28.168	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35030	96.396	ug/l #	6

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

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JC-03-03132025

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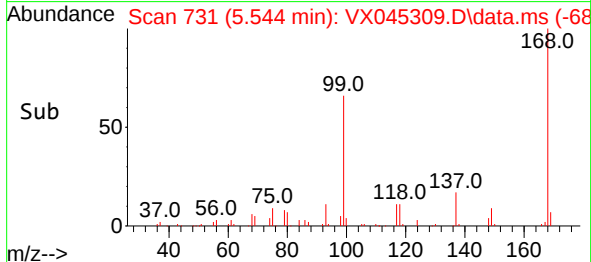
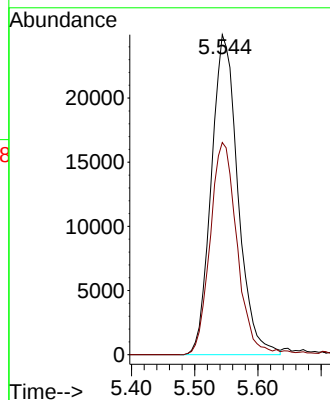
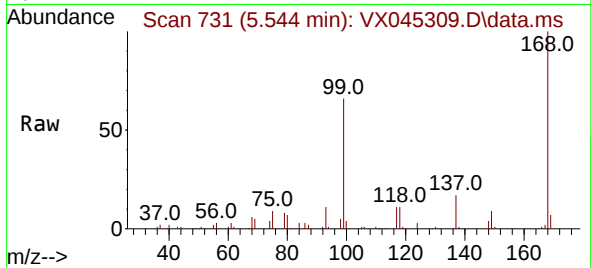




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

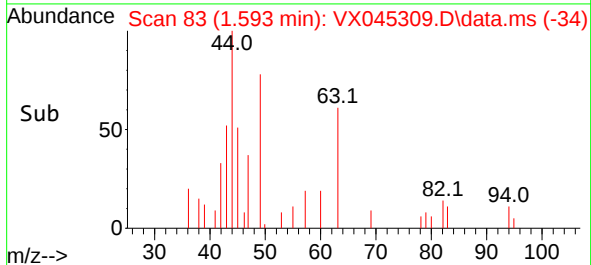
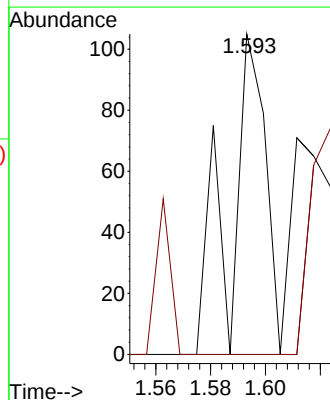
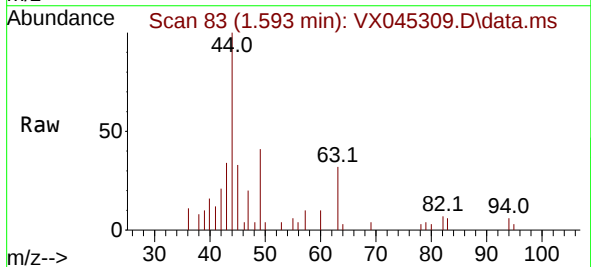
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

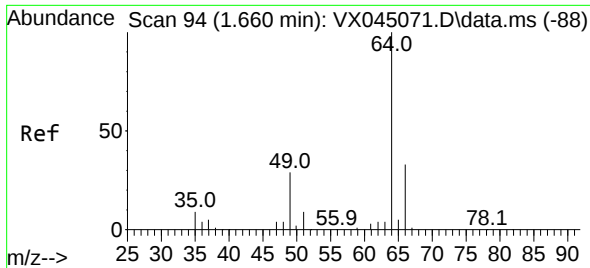
Tgt Ion:168 Resp: 72781
Ion Ratio Lower Upper
168 100
99 66.3 48.2 72.4



#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 94 Resp: 95
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

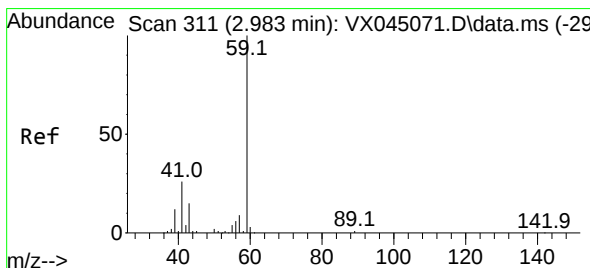
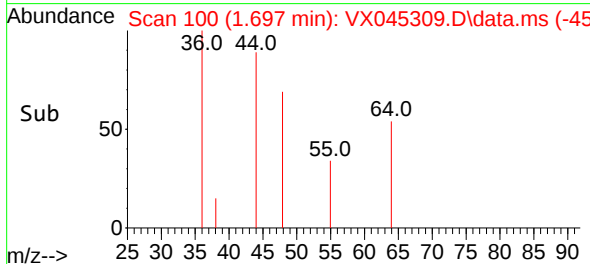
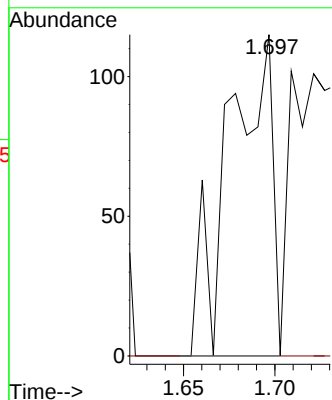
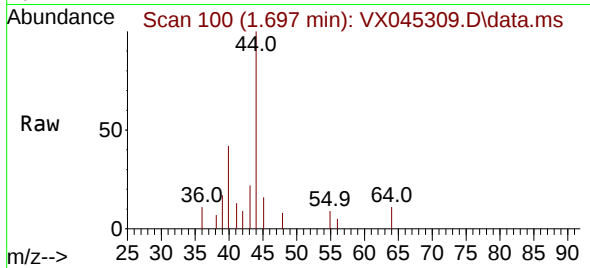




#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.697 min Scan# 10
Delta R.T. 0.037 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

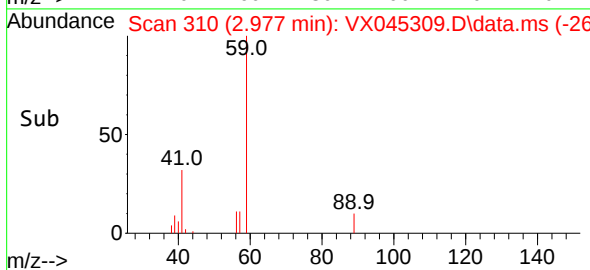
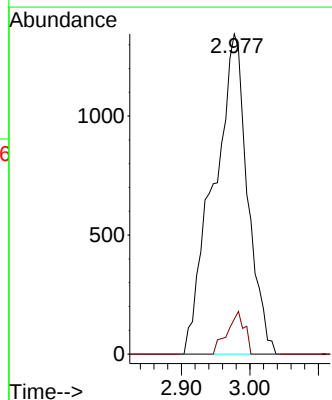
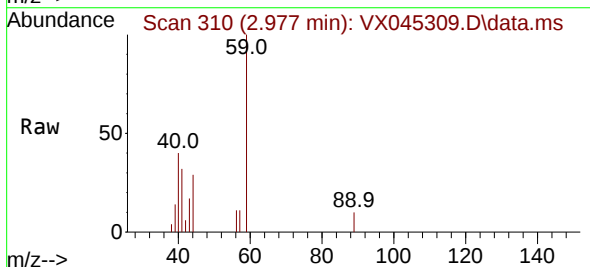
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

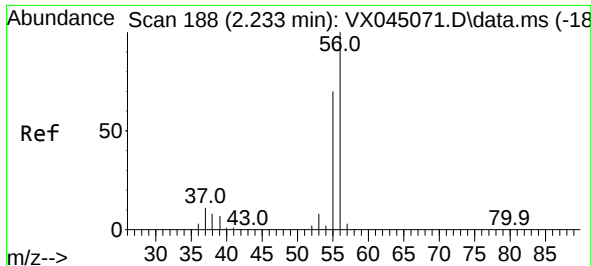
Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 21.082 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 59 Resp: 4623
Ion Ratio Lower Upper
59 100
57 6.8 7.8 11.8#

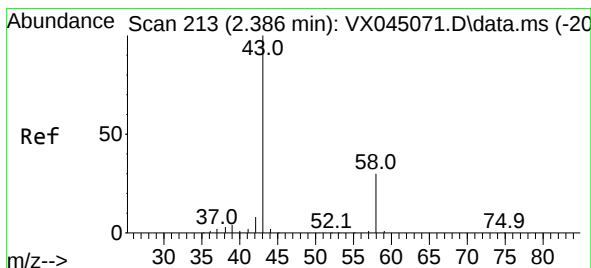
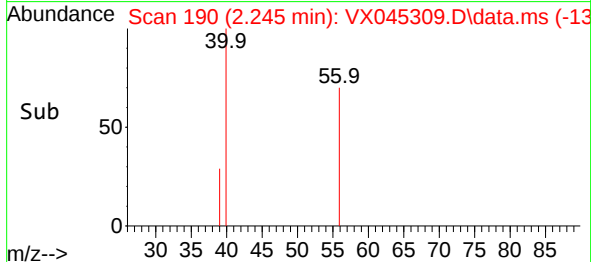
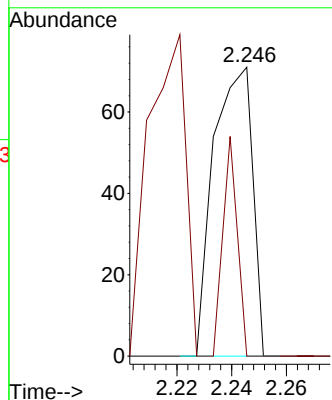
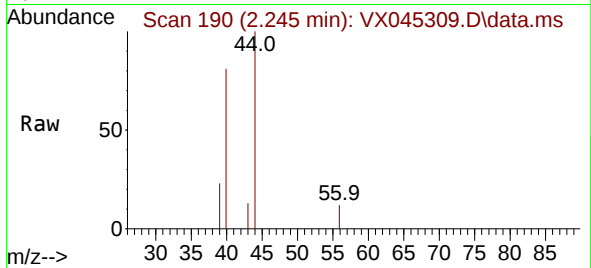




#13
Acrolein
Concen: 0.276 ug/l
RT: 2.245 min Scan# 19
Delta R.T. 0.012 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

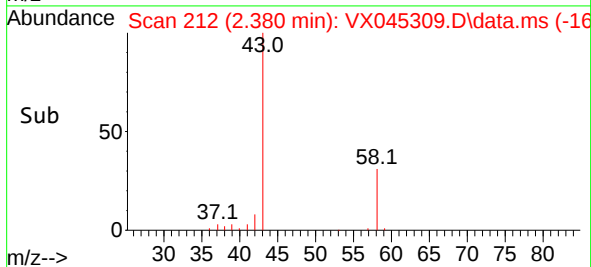
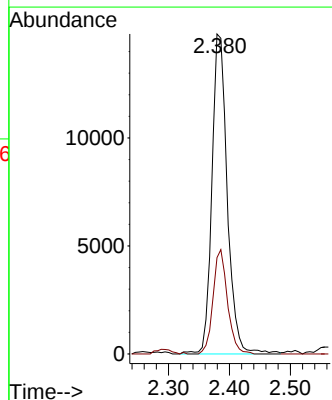
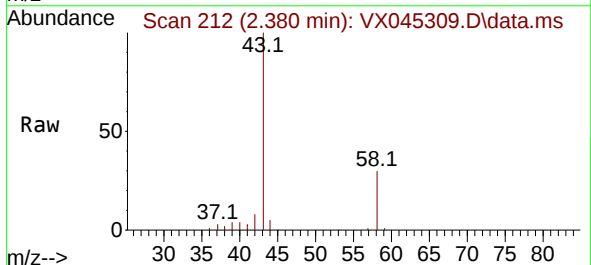
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

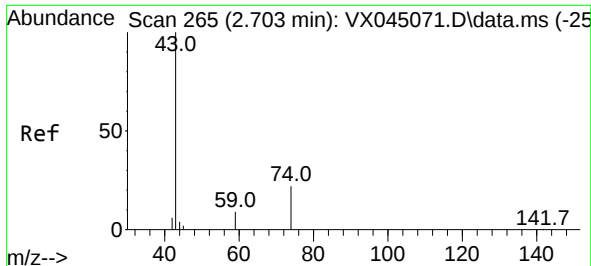
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 28.6 56.2 84.4#



#16
Acetone
Concen: 48.415 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 43 Resp: 26005
Ion Ratio Lower Upper
43 100
58 30.1 24.2 36.4





#18

Methyl Acetate

Concen: 2.086 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045309.D

Acq: 17 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

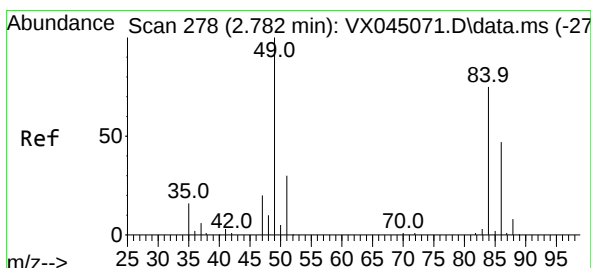
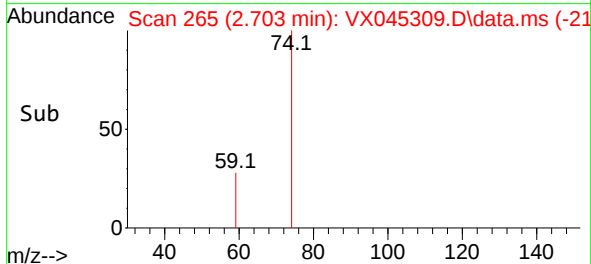
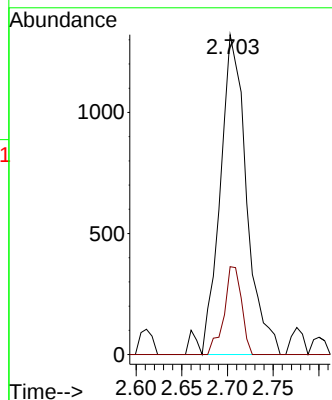
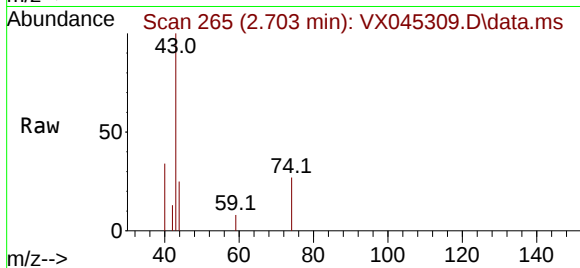
JC-03-03132025

Tgt Ion: 43 Resp: 2695

Ion Ratio Lower Upper

43 100

74 18.0 17.4 26.2



#20

Methylene Chloride

Concen: 2.896 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045309.D

Acq: 17 Mar 2025 16:35

Tgt Ion: 84 Resp: 3081

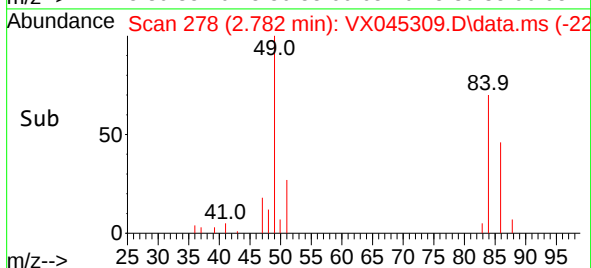
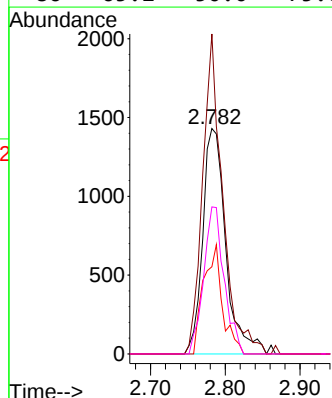
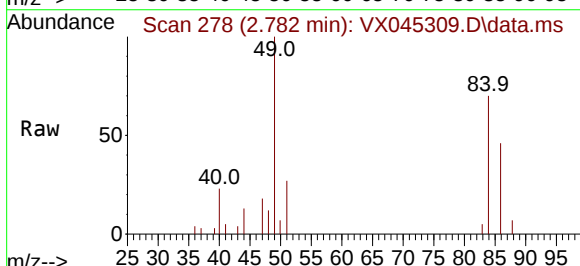
Ion Ratio Lower Upper

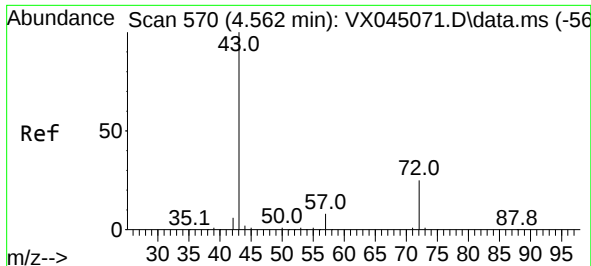
84 100

49 142.0 106.5 159.7

51 38.7 32.1 48.1

86 65.2 50.0 75.0

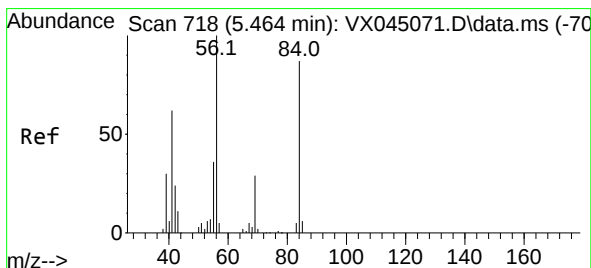
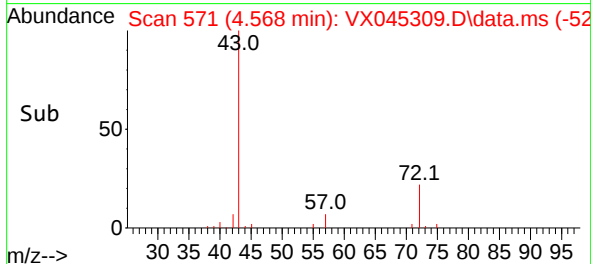
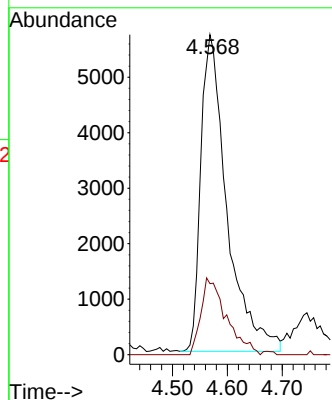
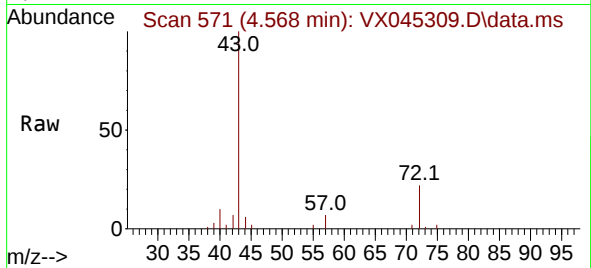




#25
2-Butanone
Concen: 23.377 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

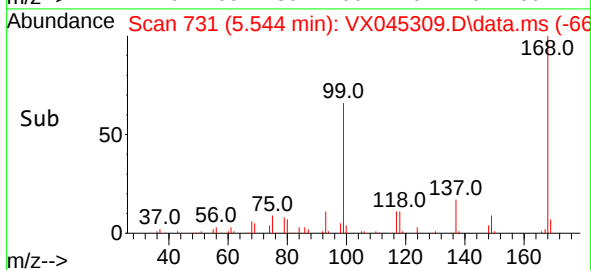
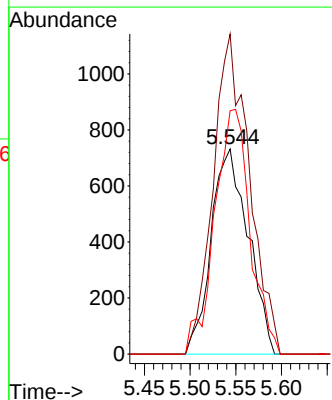
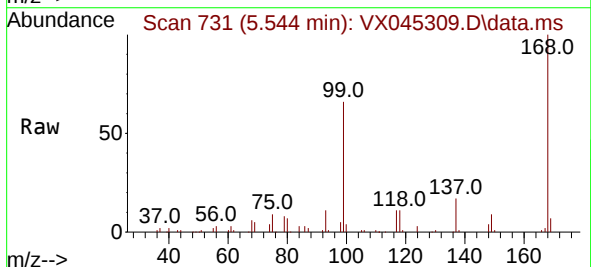
Instrument :
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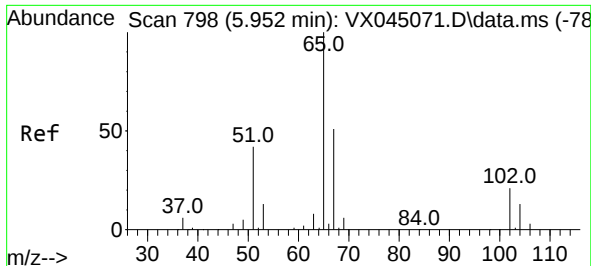
Tgt Ion: 43 Resp: 18901
Ion Ratio Lower Upper
43 100
72 22.4 20.0 30.0



#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 56 Resp: 2063
Ion Ratio Lower Upper
56 100
69 156.1 23.4 35.2#
84 118.7 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 56.031 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045309.D

Acq: 17 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

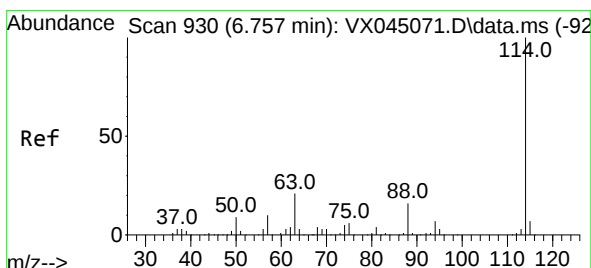
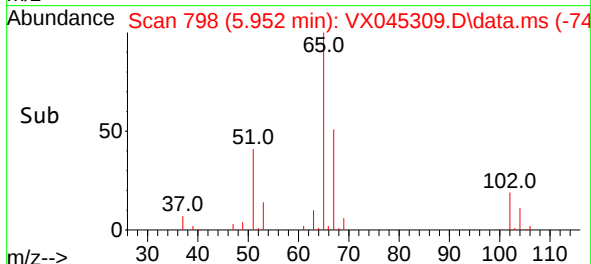
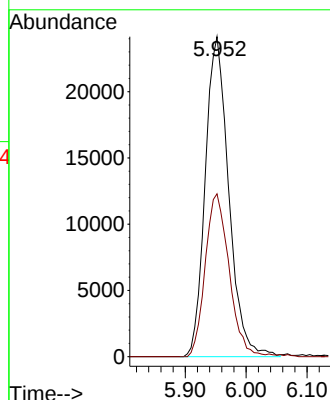
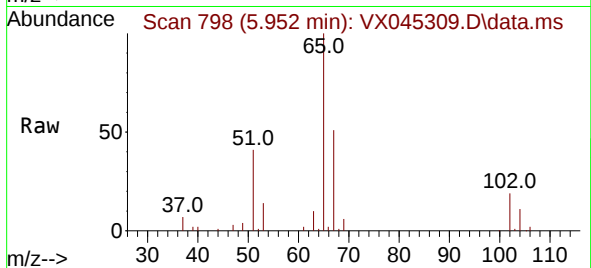
JC-03-03132025

Tgt Ion: 65 Resp: 64867

Ion Ratio Lower Upper

65 100

67 52.1 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: VX045309.D

Acq: 17 Mar 2025 16:35

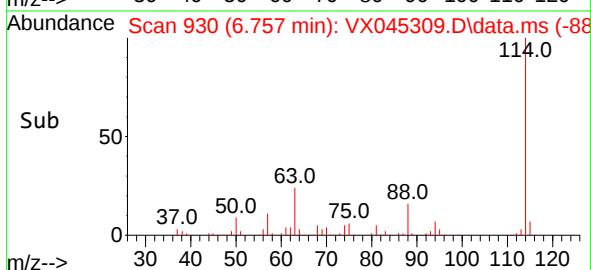
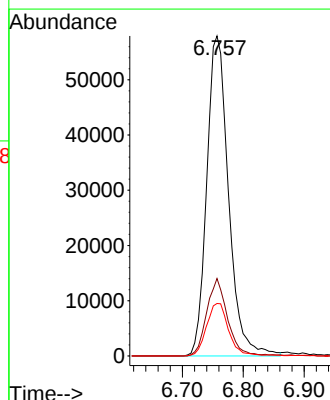
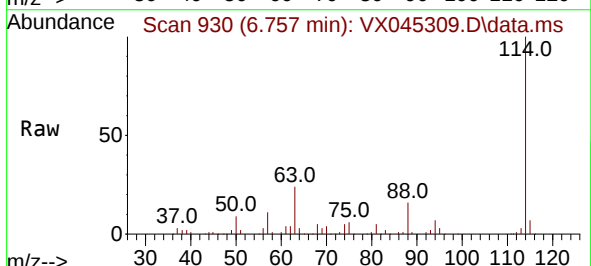
Tgt Ion: 114 Resp: 144174

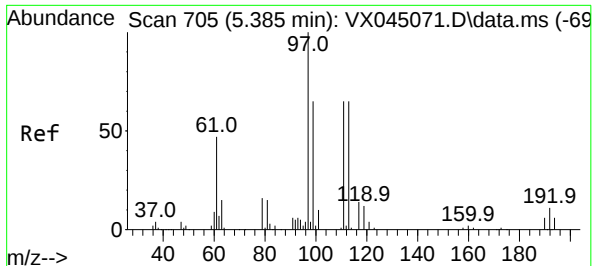
Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.8

88 16.4 0.0 32.8

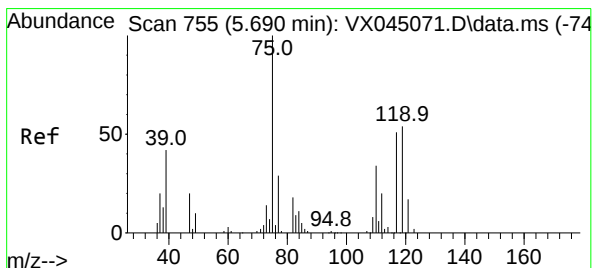
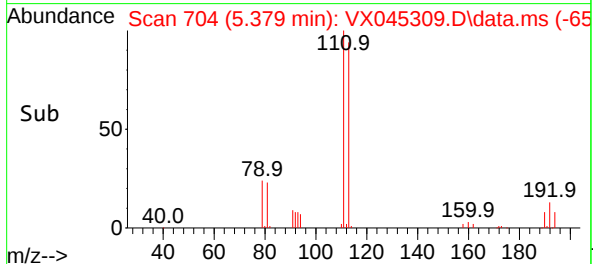
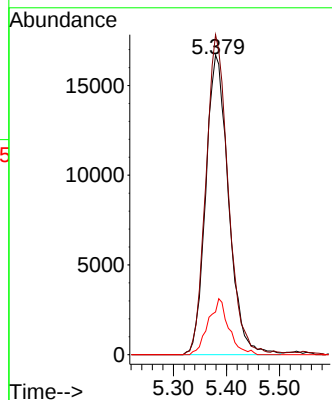
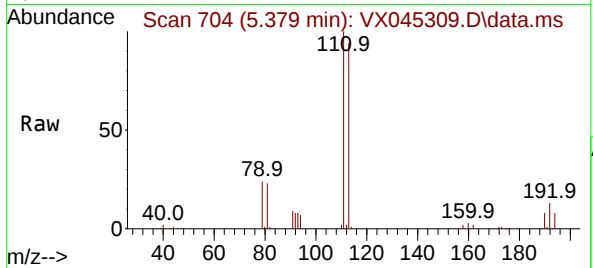




#35
Dibromofluoromethane
Concen: 51.850 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

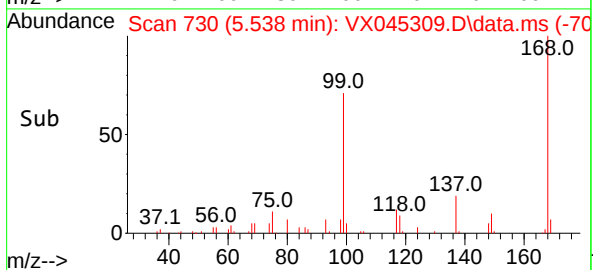
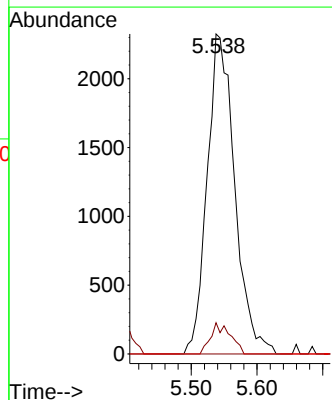
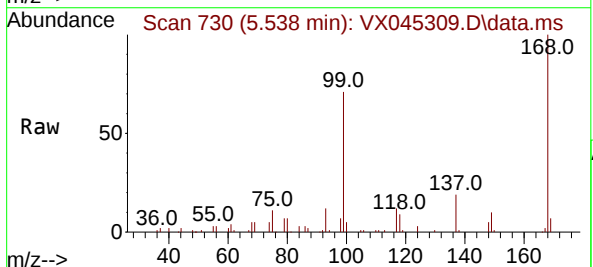
Instrument :
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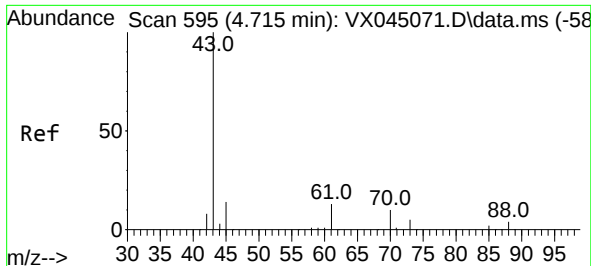
Tgt Ion:113 Resp: 49986
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.6
192 16.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.137 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 75 Resp: 6791
Ion Ratio Lower Upper
75 100
110 6.9 16.9 50.6#
77 0.0 24.5 36.7#

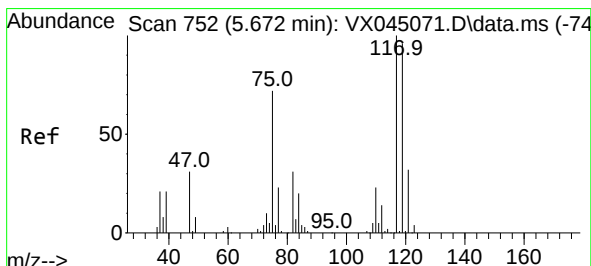
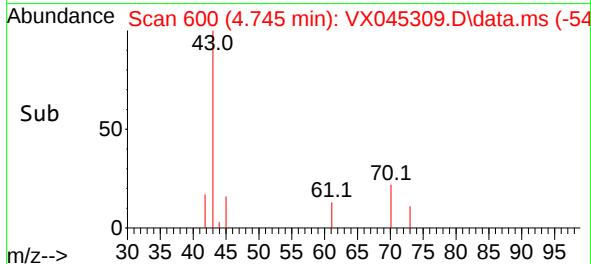
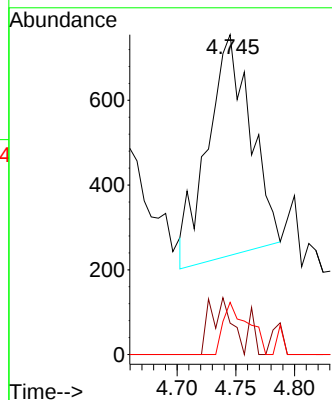
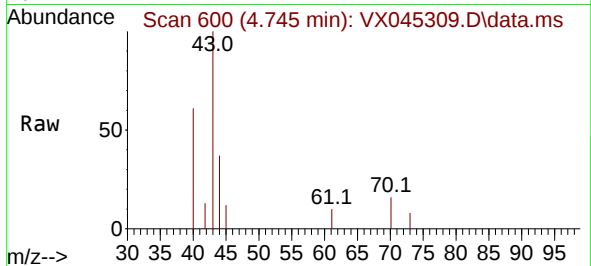




#37
Ethyl Acetate
Concen: 0.784 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

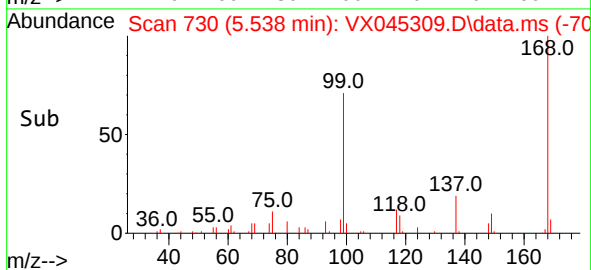
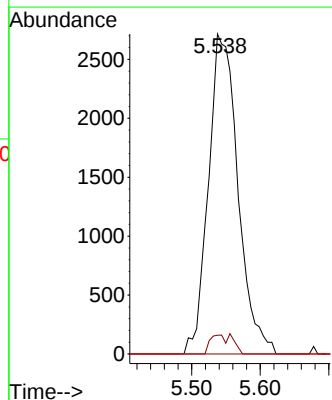
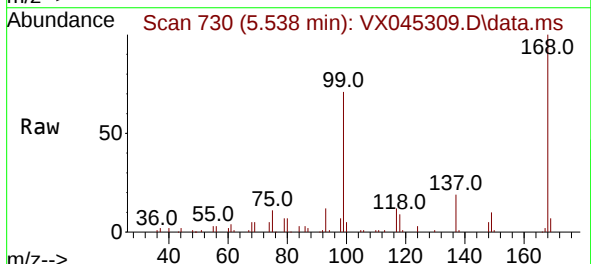
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

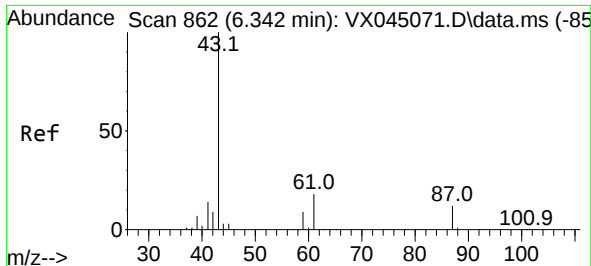
Tgt Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
61 12.7 10.8 16.2
70 13.6 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.064 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 117 Resp: 8140
Ion Ratio Lower Upper
117 100
119 5.9 76.7 115.1#
121 0.0 25.5 38.3#

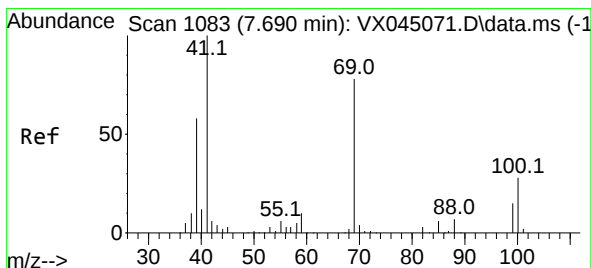
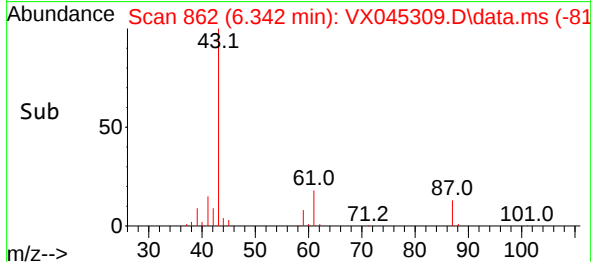
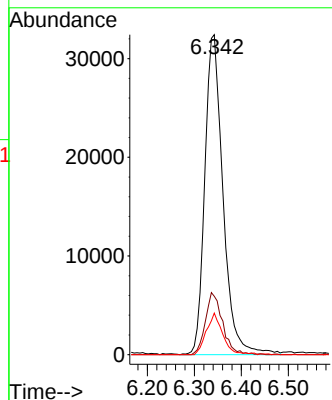
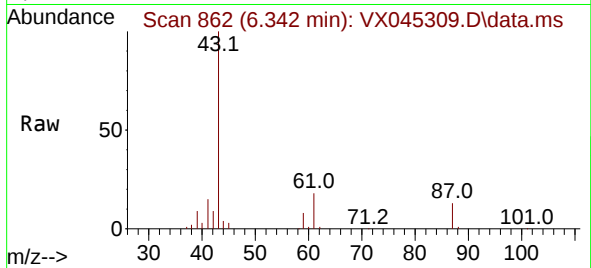




#43
Isopropyl Acetate
Concen: 34.678 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

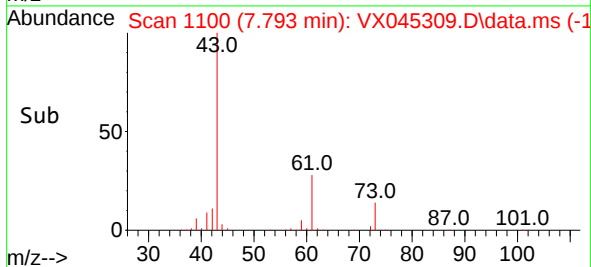
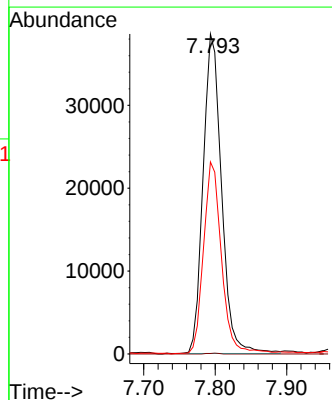
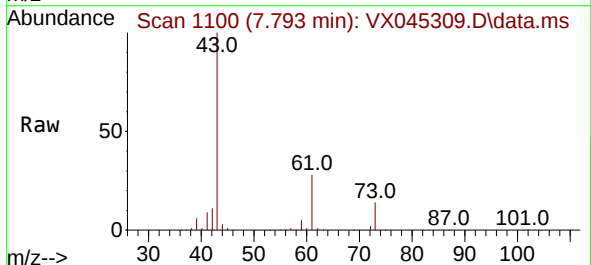
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

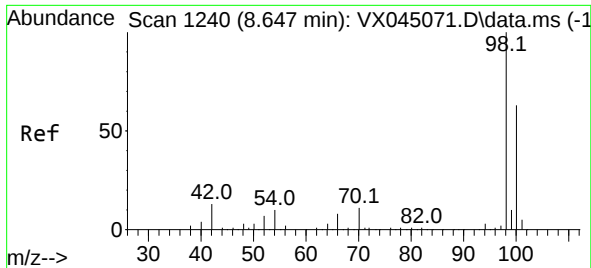
Tgt Ion: 43 Resp: 87360
Ion Ratio Lower Upper
43 100
61 18.2 14.9 22.3
87 11.7 9.4 14.2



#48
Methyl methacrylate
Concen: 54.654 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 41 Resp: 69074
Ion Ratio Lower Upper
41 100
69 0.1 63.0 94.6#
39 59.0 47.5 71.3

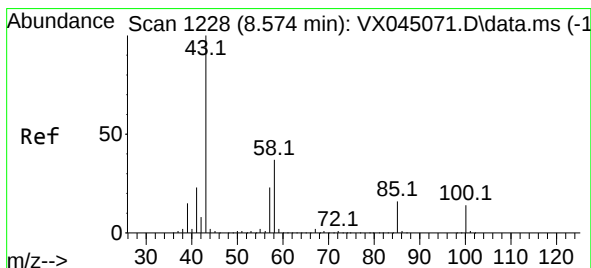
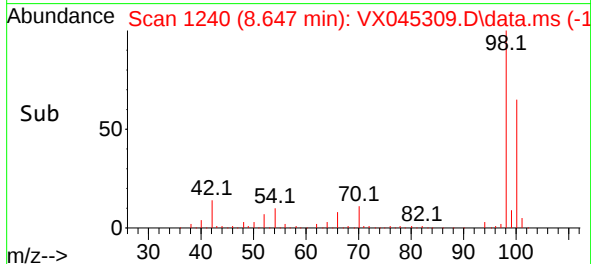
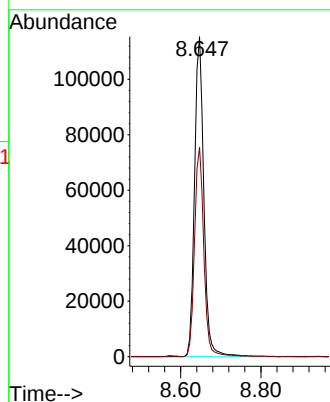
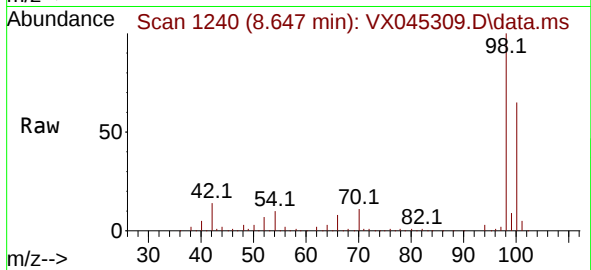




#50
Toluene-d8
Concen: 53.092 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

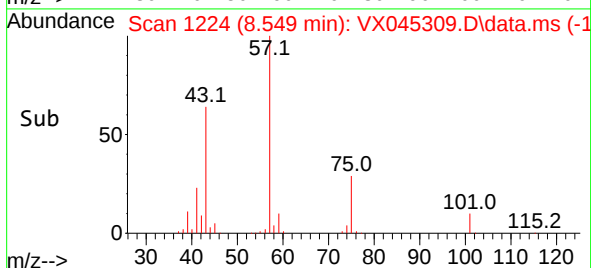
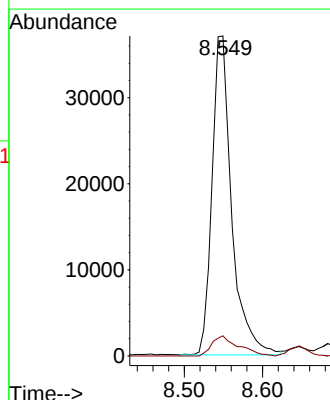
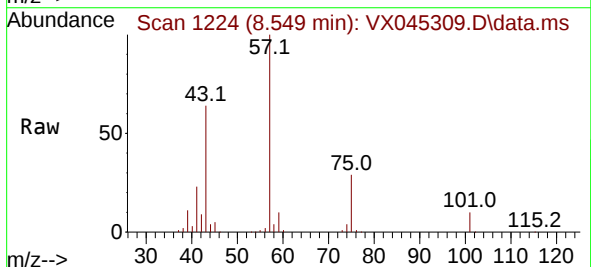
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

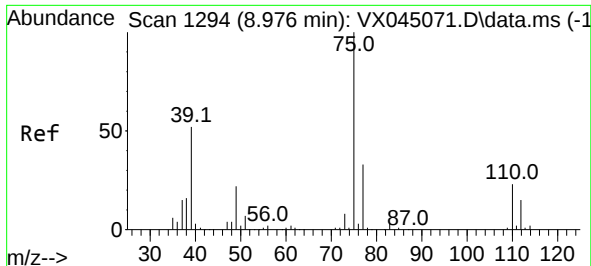
Tgt Ion: 98 Resp: 185557
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 38.212 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 43 Resp: 64634
Ion Ratio Lower Upper
43 100
58 8.5 29.2 43.8#





#53

t-1,3-Dichloropropene

Concen: 0.256 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045309.D

Acq: 17 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

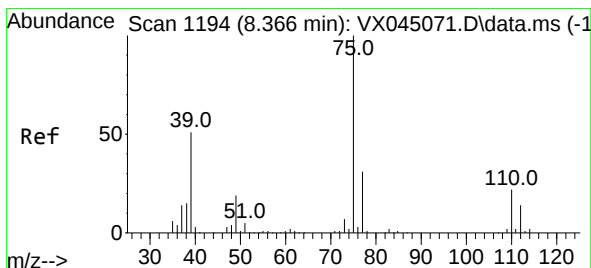
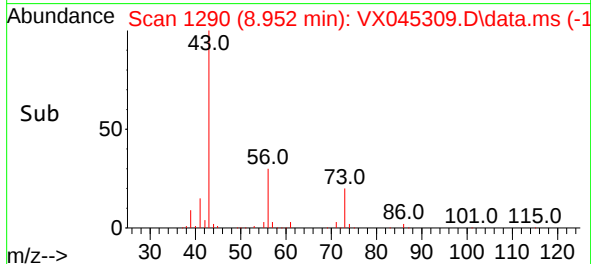
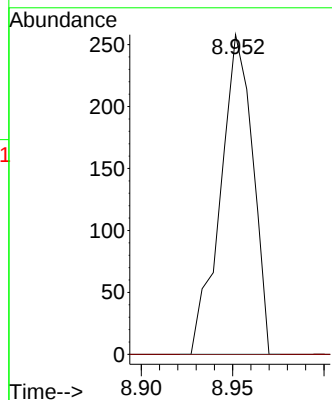
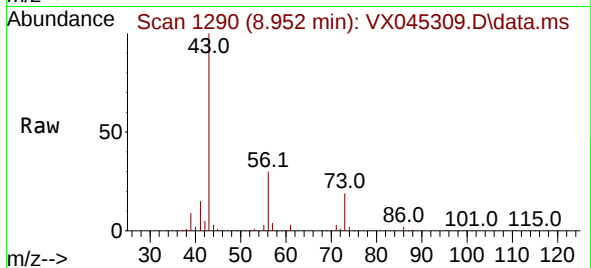
JC-03-03132025

Tgt Ion: 75 Resp: 319

Ion Ratio Lower Upper

75 100

77 0.0 26.5 39.7#



#54

cis-1,3-Dichloropropene

Concen: 18.470 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045309.D

Acq: 17 Mar 2025 16:35

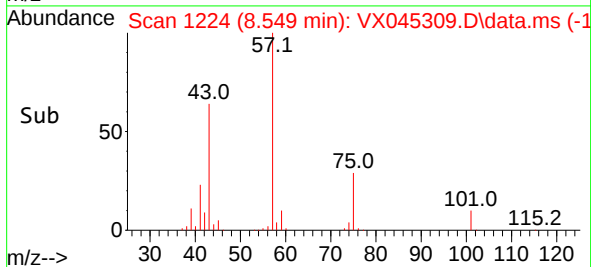
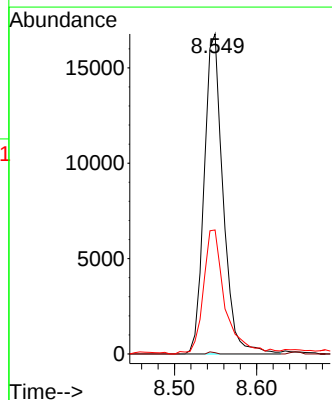
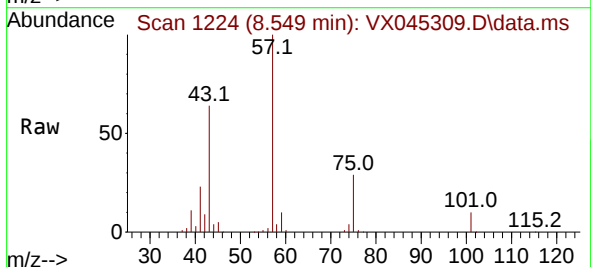
Tgt Ion: 75 Resp: 26795

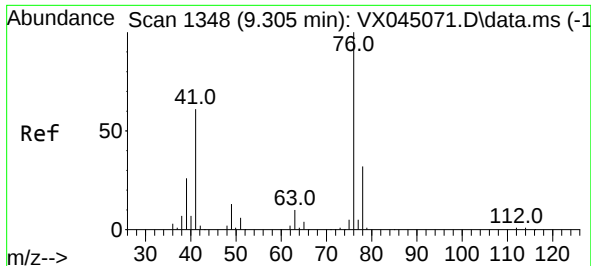
Ion Ratio Lower Upper

75 100

77 0.4 24.7 37.1#

39 38.0 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 1.603 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX045309.D

Acq: 17 Mar 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

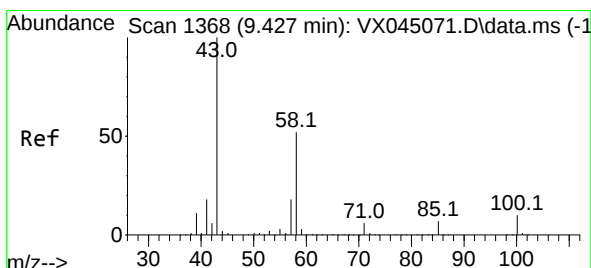
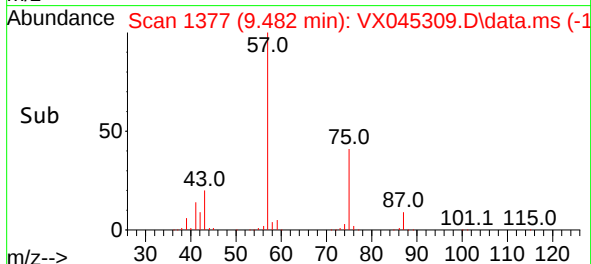
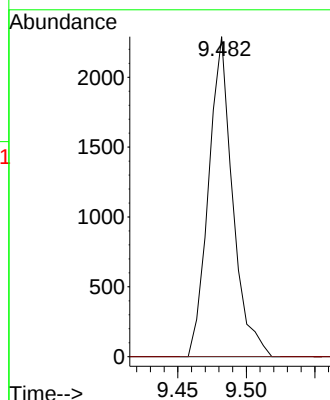
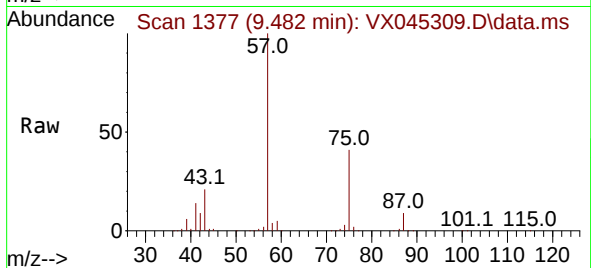
JC-03-03132025

Tgt Ion: 76 Resp: 2798

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 7.110 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX045309.D

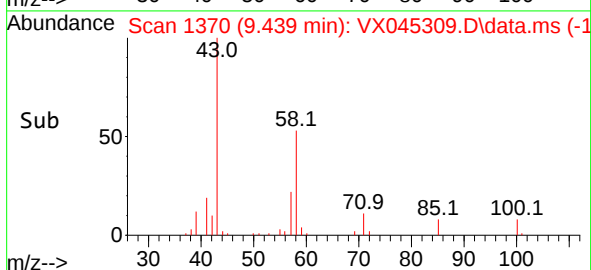
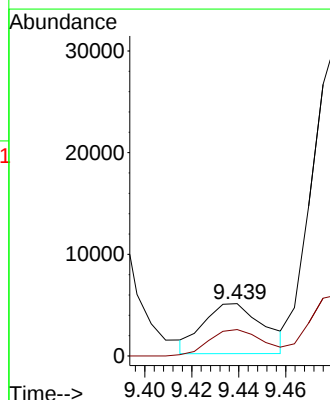
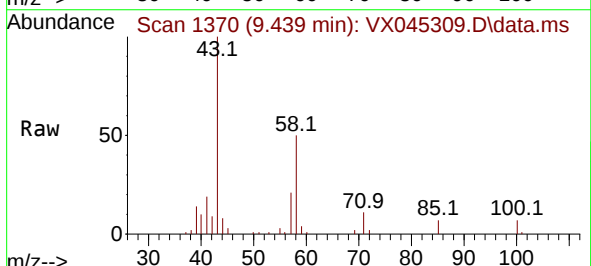
Acq: 17 Mar 2025 16:35

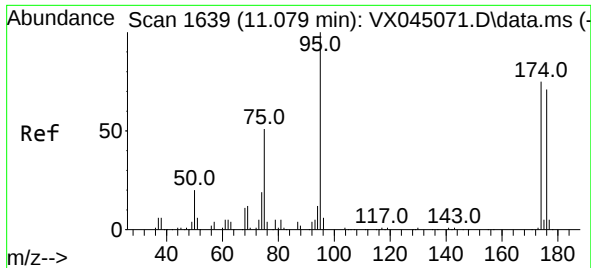
Tgt Ion: 43 Resp: 8714

Ion Ratio Lower Upper

43 100

58 47.8 25.9 77.6

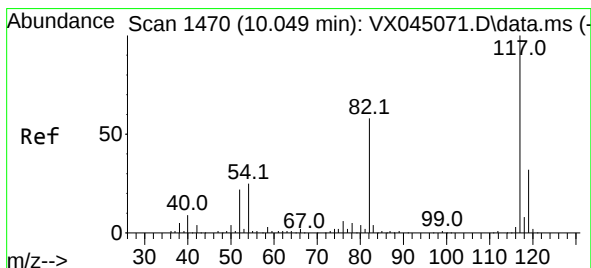
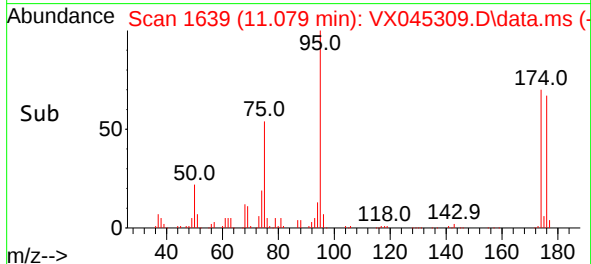
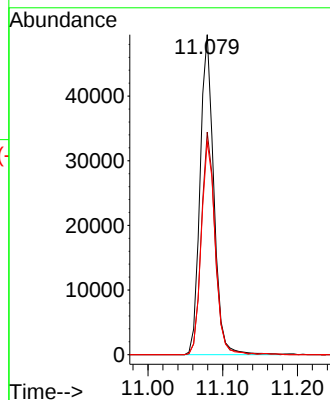
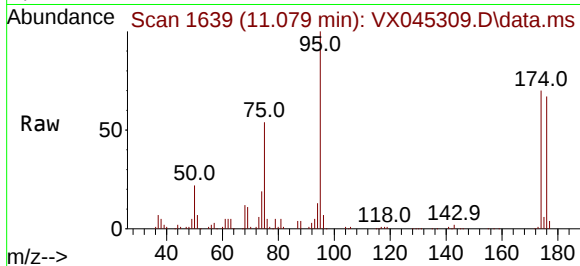




#62
4-Bromofluorobenzene
Concen: 54.414 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

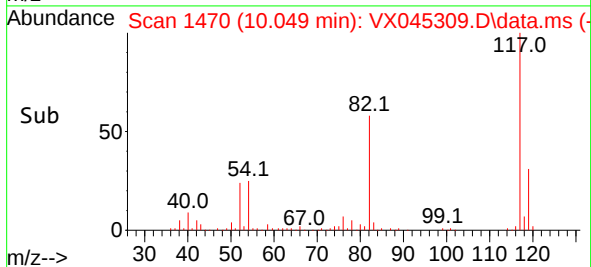
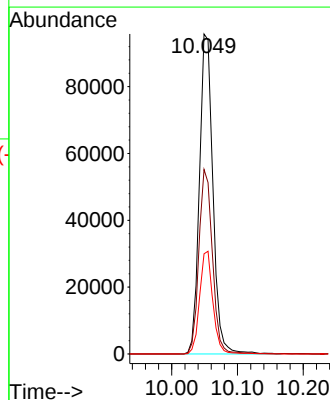
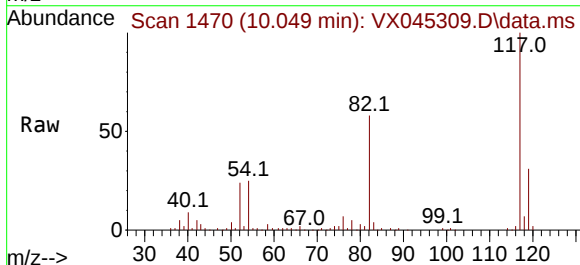
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

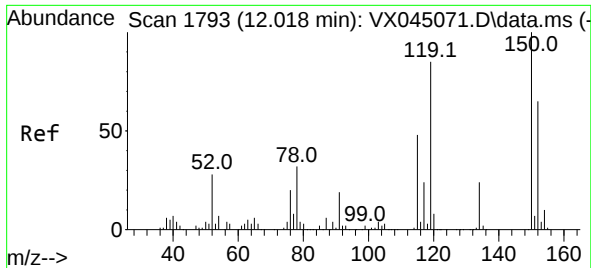
Tgt Ion: 95 Resp: 63019
Ion Ratio Lower Upper
95 100
174 69.2 0.0 148.2
176 67.7 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 117 Resp: 136750
Ion Ratio Lower Upper
117 100
82 57.6 46.3 69.5
119 31.3 25.7 38.5

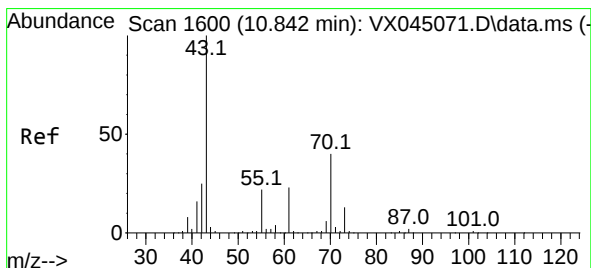
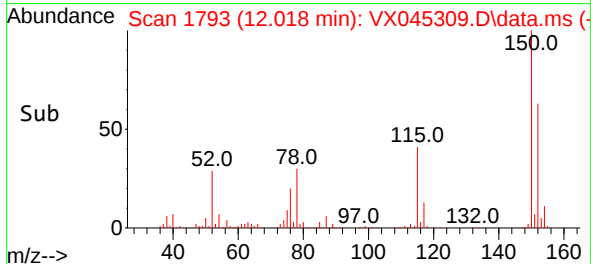
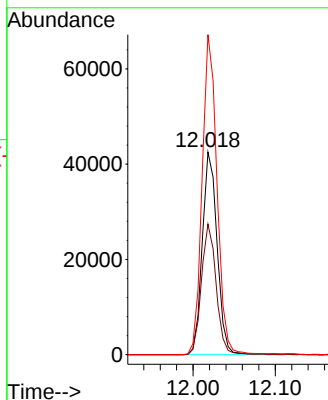
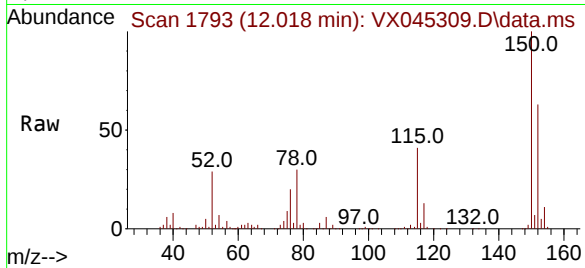




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

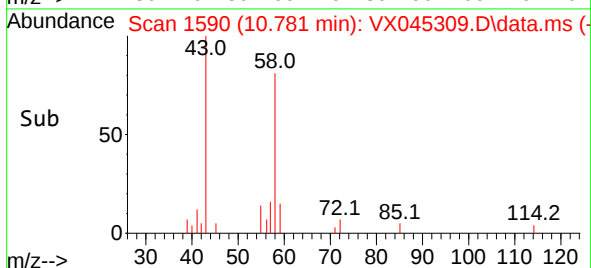
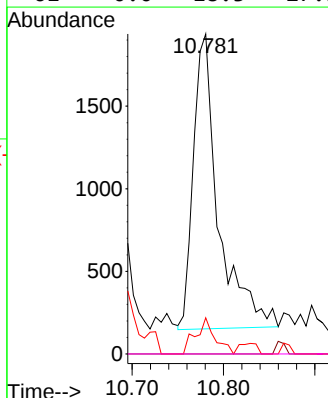
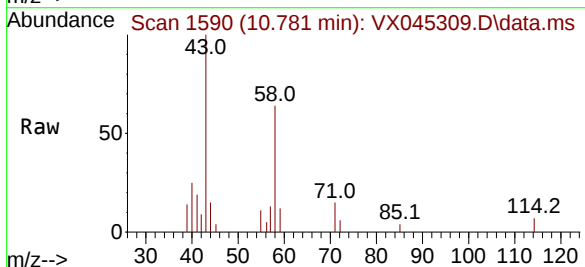
Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

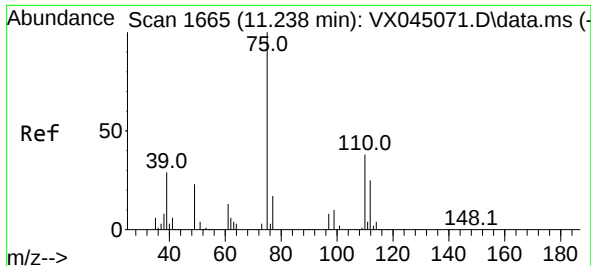
Tgt Ion:152 Resp: 53431
Ion Ratio Lower Upper
152 100
115 64.1 44.2 132.6
150 158.0 0.0 349.0



#74
N-ethyl acetate
Concen: 1.741 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.061 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 43 Resp: 3406
Ion Ratio Lower Upper
43 100
70 0.0 31.8 47.6#
55 9.4 18.3 27.5#
61 0.0 18.3 27.5#

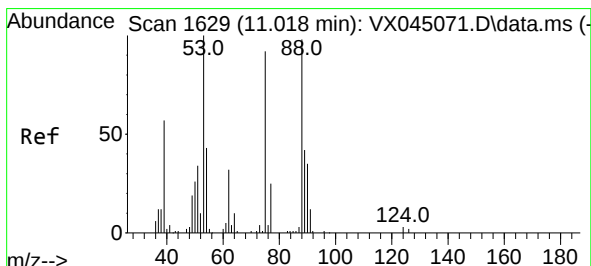
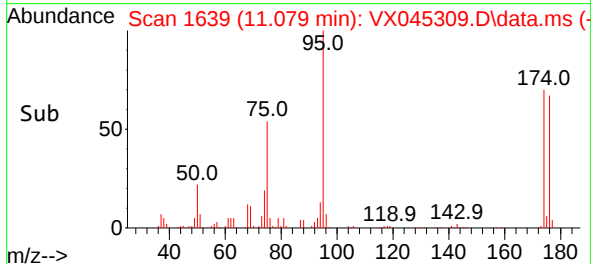
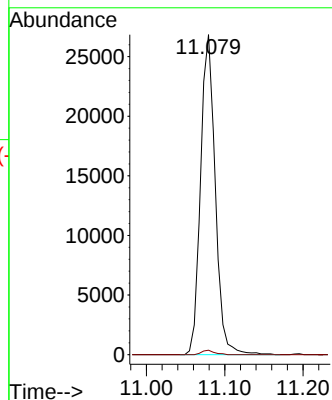
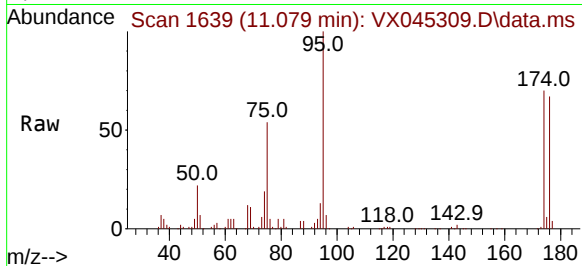




#76
1,2,3-Trichloropropane
Concen: 28.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
JC-03-03132025

Tgt Ion: 75 Resp: 35030
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045309.D
Acq: 17 Mar 2025 16:35

Tgt Ion: 75 Resp: 35030
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

