

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044728.D
 Acq On : 27 Jan 2025 16:51
 Operator : JC/MD
 Sample : Q1169-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:15:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

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

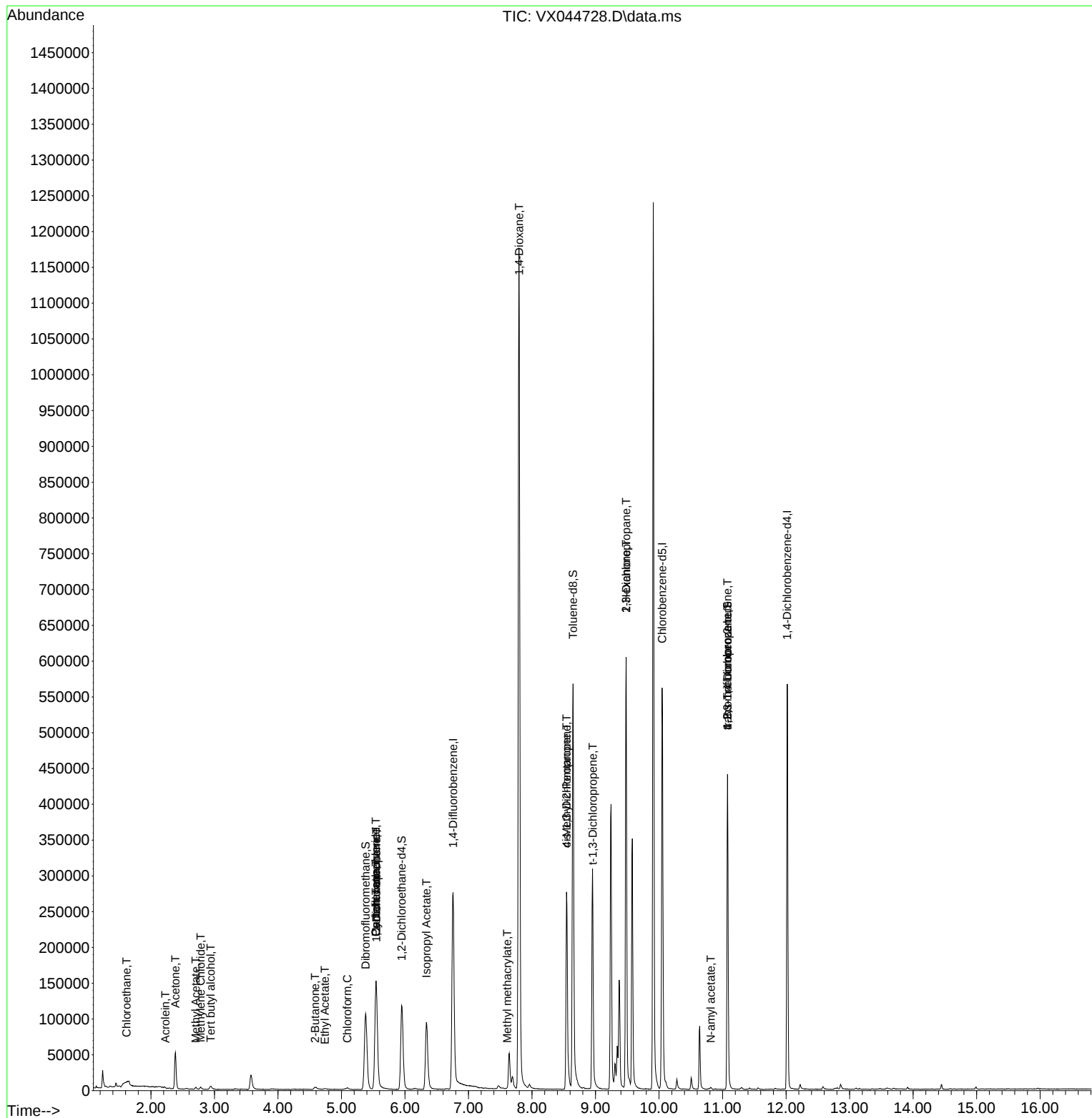
Internal Standards						
1) Pentafluorobenzene	5.544	168	144490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	299225	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	256527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	111838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	111263	51.015	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.040%	
35) Dibromofluoromethane	5.379	113	96770	50.907	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.820%	
50) Toluene-d8	8.647	98	354898	53.544	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.080%	
62) 4-Bromofluorobenzene	11.079	95	128591	52.042	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.080%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.618	64	390	1.024	ug/l	92
11) Tert butyl alcohol	2.941	59	3057	6.287	ug/l #	85
13) Acrolein	2.227	56	341	1.490	ug/l #	15
16) Acetone	2.386	43	56468	65.441	ug/l	98
18) Methyl Acetate	2.703	43	3114	1.170	ug/l	99
20) Methylene Chloride	2.782	84	1454	0.724	ug/l #	78
25) 2-Butanone	4.587	43	6227	4.854	ug/l	92
30) Chloroform	5.093	83	2901	0.847	ug/l	90
31) Cyclohexane	5.544	56	3299	1.201	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12362	4.672	ug/l #	48
37) Ethyl Acetate	4.739	43	2211	0.785	ug/l #	95
38) Carbon Tetrachloride	5.544	117	14889	5.002	ug/l #	15
43) Isopropyl Acetate	6.336	43	136938	26.416	ug/l	100
48) Methyl methacrylate	7.610	41	3057	1.270	ug/l #	15
49) 1,4-Dioxane	7.799	88	195	3.884	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	106505	37.177	ug/l #	45
53) t-1,3-Dichloropropene	8.958	75	692	0.208	ug/l #	44
54) cis-1,3-Dichloropropene	8.543	75	50954	14.115	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	5384	1.557	ug/l #	42
59) 2-Hexanone	9.482	43	76294	36.199	ug/l #	51
74) N-amyl acetate	10.817	43	1570	0.349	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	62996	23.210	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.079	75	62996	53.078	ug/l #	12

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

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ClientSampleId :

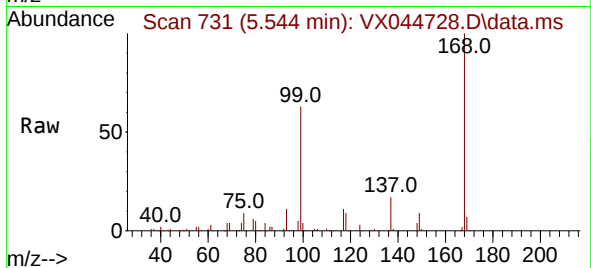
Quant Time: Jan 28 04:15:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



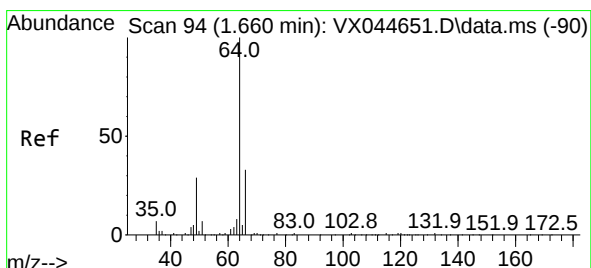
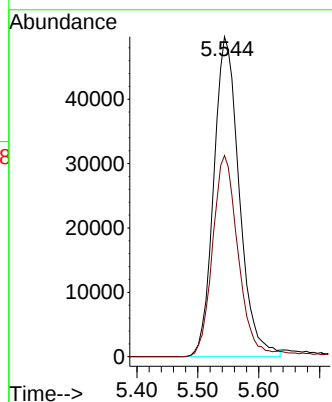
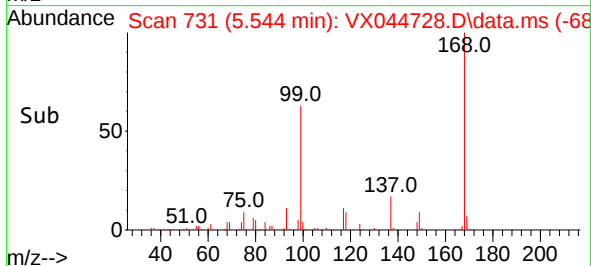


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

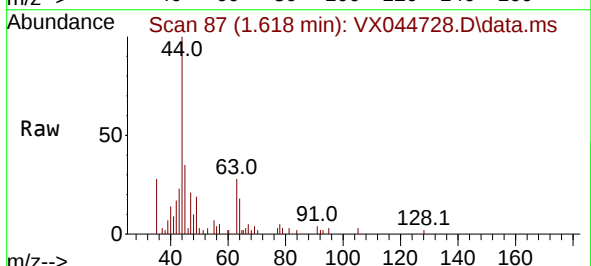
Instrument :
MSVOA_X
ClientSampleId :



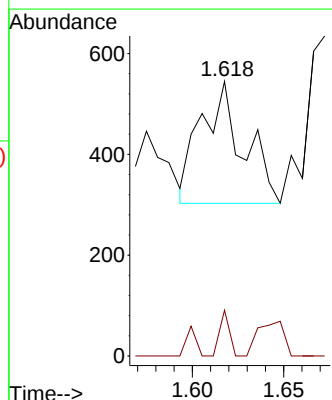
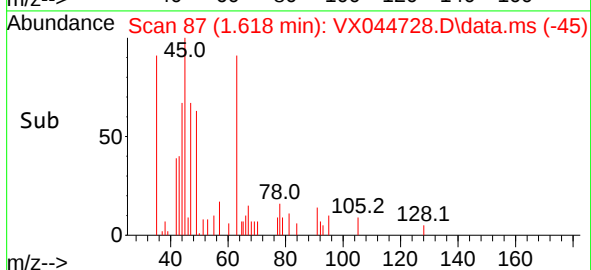
Tgt Ion:168 Resp: 144490
Ion Ratio Lower Upper
168 100
99 62.8 51.1 76.7

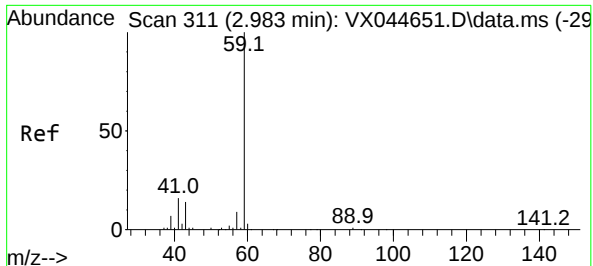


#6
Chloroethane
Concen: 1.024 ug/l
RT: 1.618 min Scan# 87
Delta R.T. -0.043 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51



Tgt Ion: 64 Resp: 390
Ion Ratio Lower Upper
64 100
66 37.6 26.6 39.8





#11

Tert butyl alcohol

Concen: 6.287 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

Instrument :

MSVOA_X

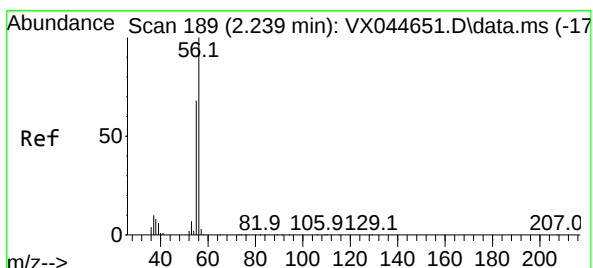
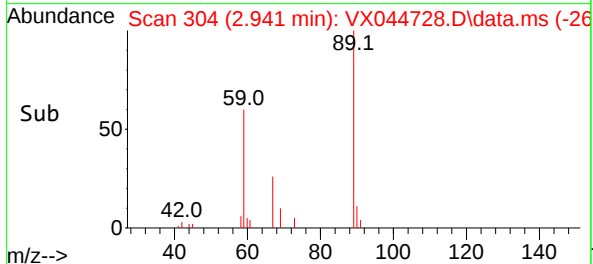
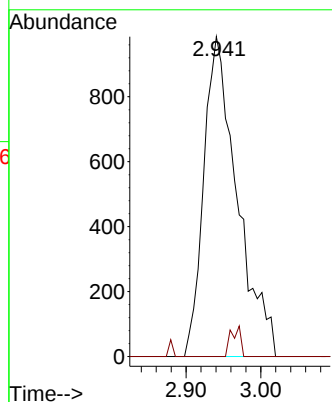
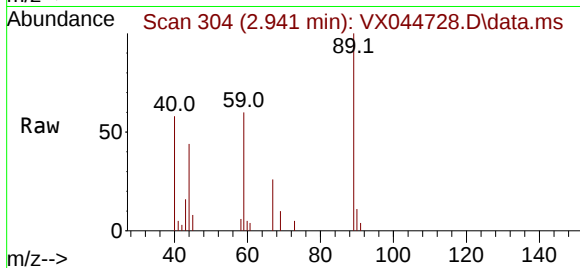
ClientSampleId :

Tgt Ion: 59 Resp: 3057

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 1.490 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX044728.D

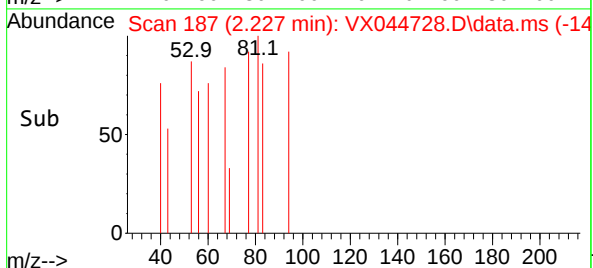
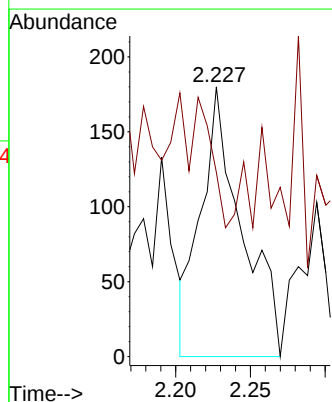
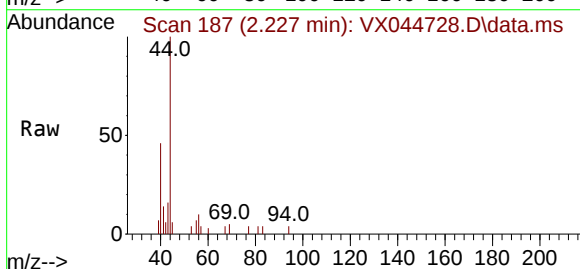
Acq: 27 Jan 2025 16:51

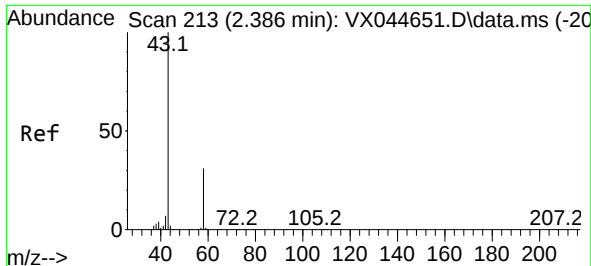
Tgt Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 0.0 55.1 82.7#

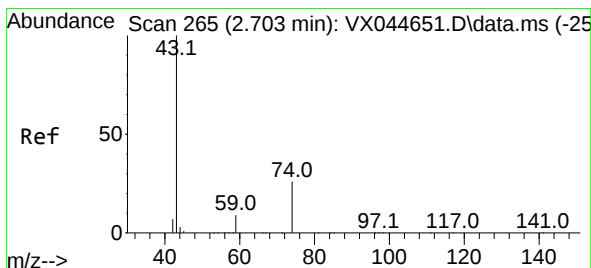
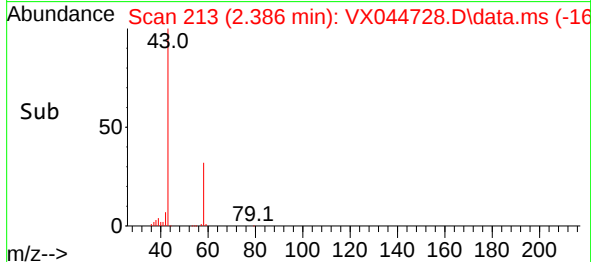
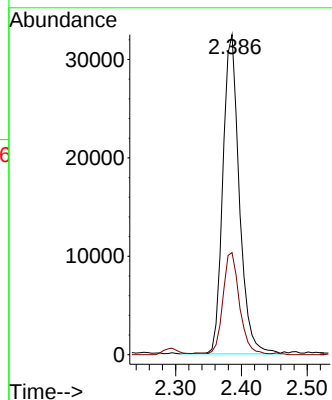
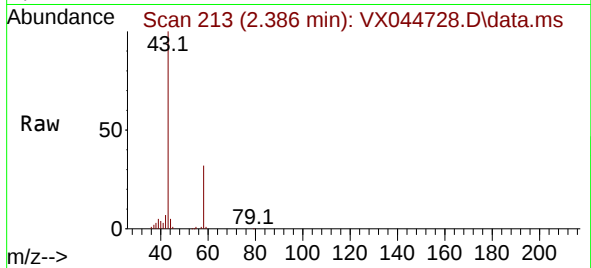




#16
Acetone
Concen: 65.441 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

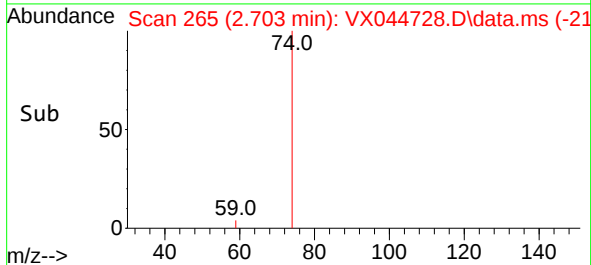
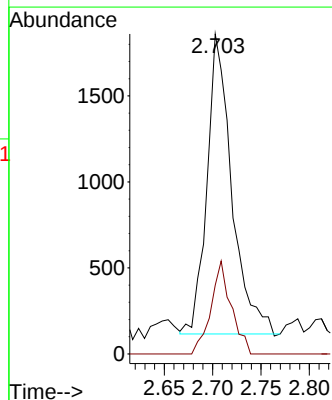
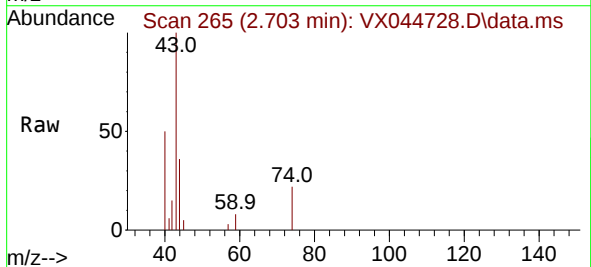
Instrument :
MSVOA_X
ClientSampleId :

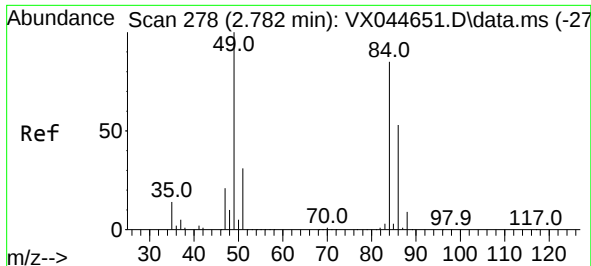
Tgt Ion: 43 Resp: 56468
Ion Ratio Lower Upper
43 100
58 31.7 24.6 37.0



#18
Methyl Acetate
Concen: 1.170 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

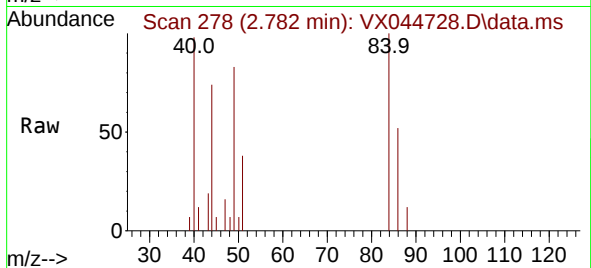
Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8



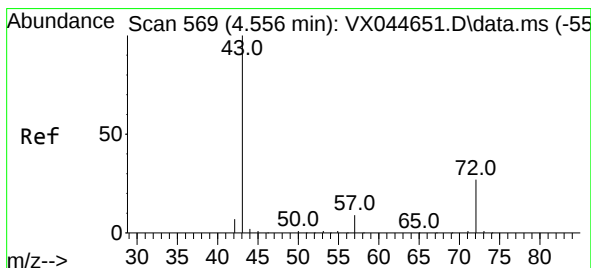
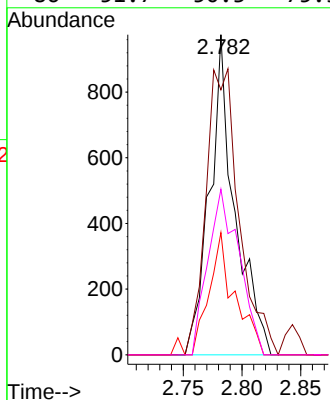
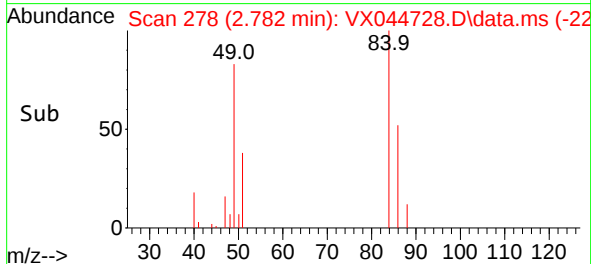


#20
Methylene Chloride
Concen: 0.724 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Instrument :
MSVOA_X
ClientSampleId :

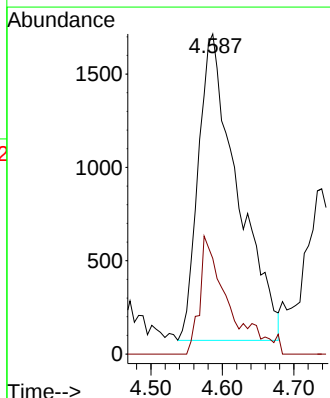
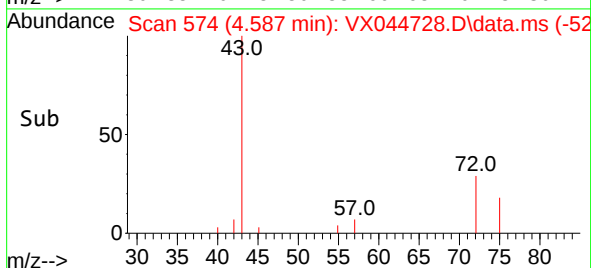
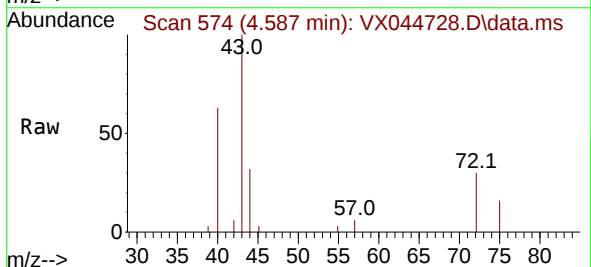


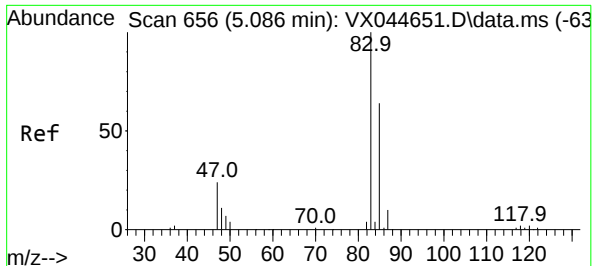
Tgt Ion:	84	Resp:	1454
Ion	Ratio	Lower	Upper
84	100		
49	82.8	94.2	141.4#
51	38.2	28.8	43.2
86	51.7	50.3	75.5



#25
2-Butanone
Concen: 4.854 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.031 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Tgt Ion:	43	Resp:	6227
Ion	Ratio	Lower	Upper
43	100		
72	31.2	21.7	32.5





#30

Chloroform

Concen: 0.847 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

Instrument :

MSVOA_X

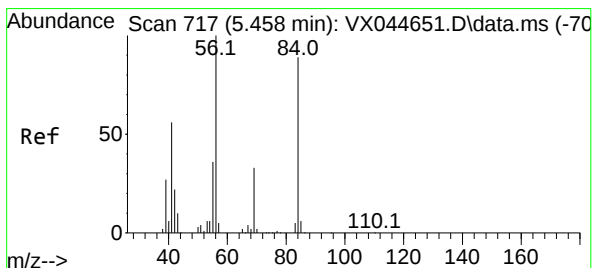
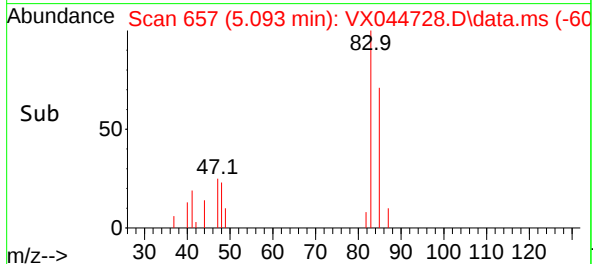
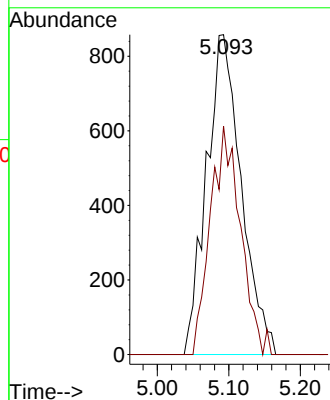
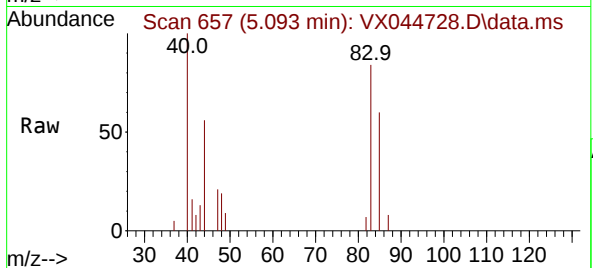
ClientSampleId :

Tgt Ion: 83 Resp: 2901

Ion Ratio Lower Upper

83 100

85 71.4 51.2 76.8



#31

Cyclohexane

Concen: 1.201 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

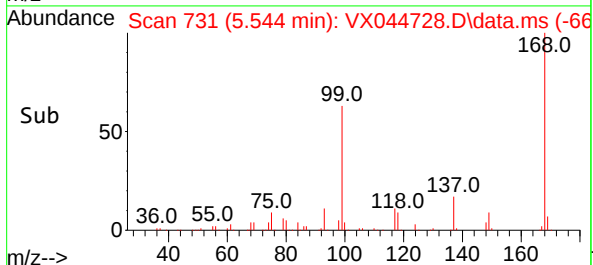
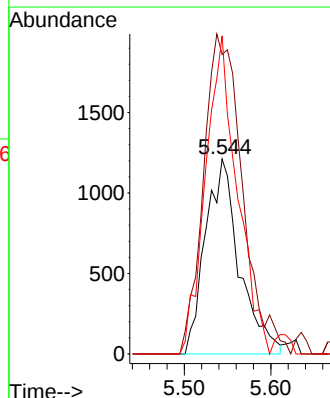
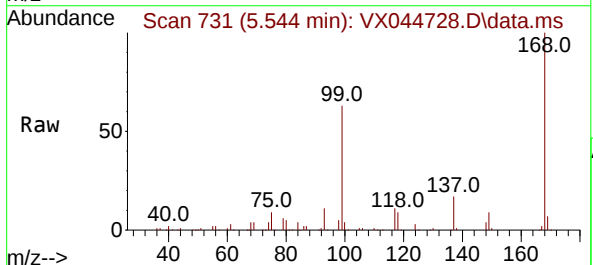
Tgt Ion: 56 Resp: 3299

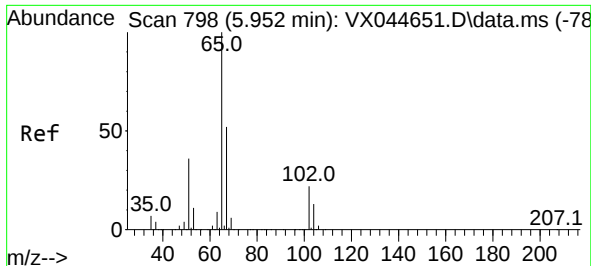
Ion Ratio Lower Upper

56 100

69 153.7 26.8 40.2#

84 163.2 71.0 106.4#

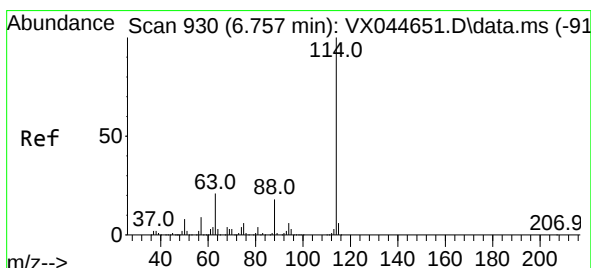
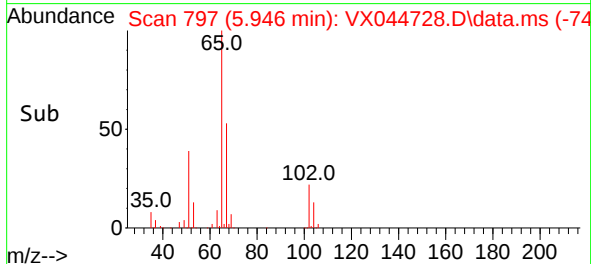
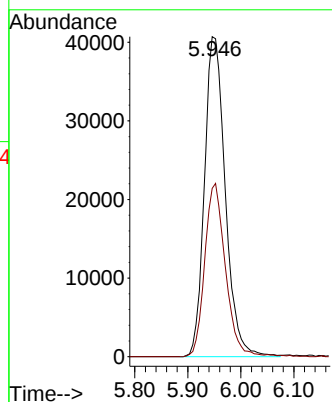
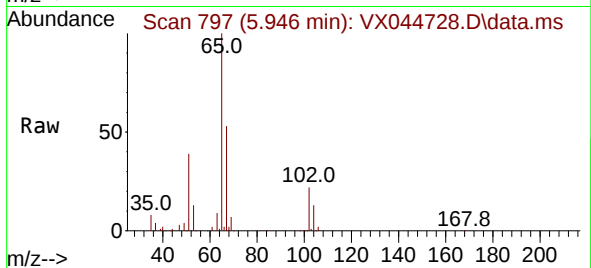




#33
 1,2-Dichloroethane-d4
 Concen: 51.015 ug/l
 RT: 5.946 min Scan# 798
 Delta R.T. -0.006 min
 Lab File: VX044728.D
 Acq: 27 Jan 2025 16:51

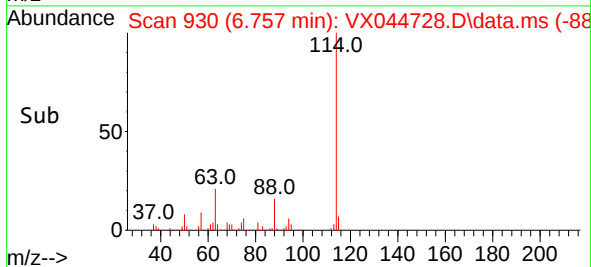
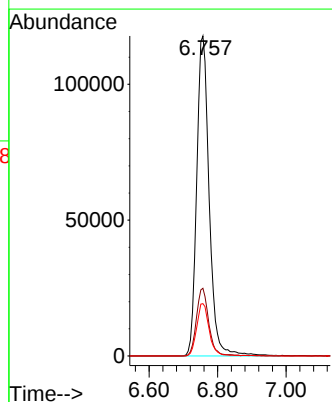
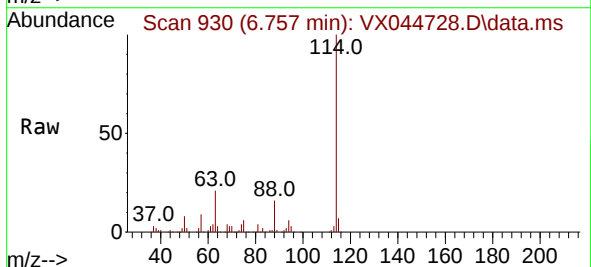
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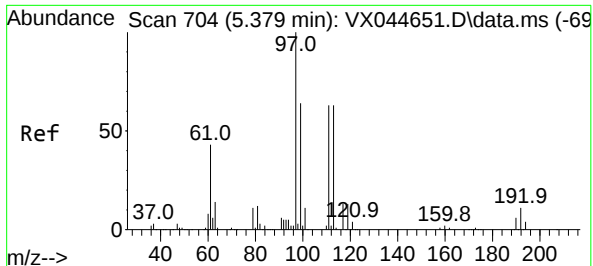
Tgt Ion: 65 Resp: 111263
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX044728.D
 Acq: 27 Jan 2025 16:51

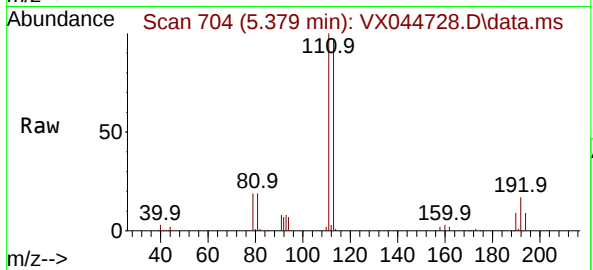
Tgt Ion: 114 Resp: 299225
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 16.4 0.0 35.4



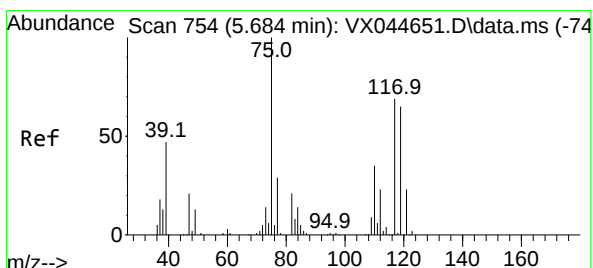
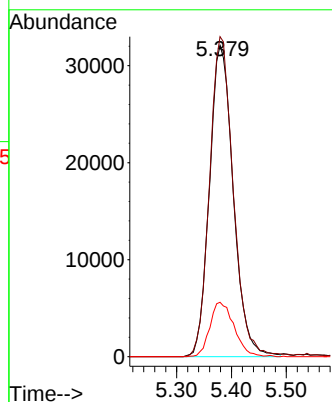
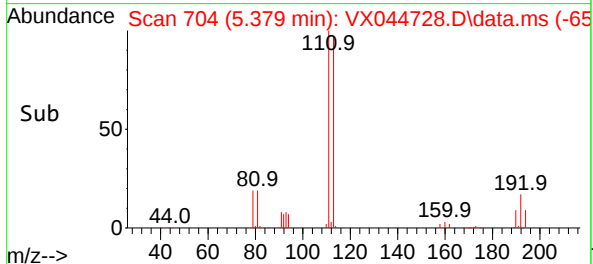


#35
Dibromofluoromethane
Concen: 50.907 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Instrument :
MSVOA_X
ClientSampleId :

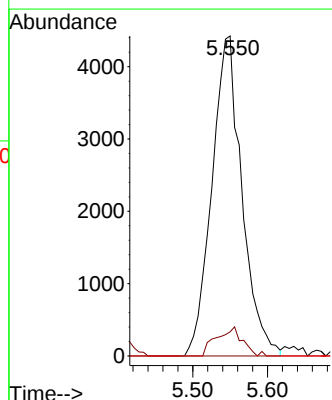
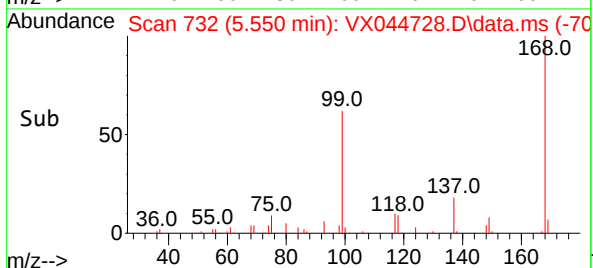
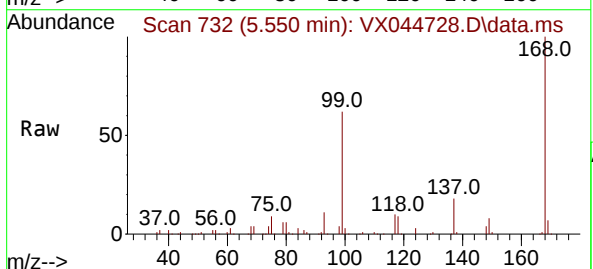


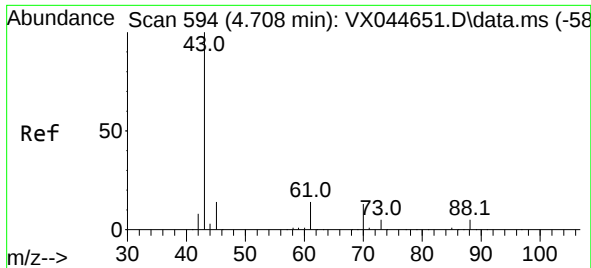
Tgt Ion:113 Resp: 96770
Ion Ratio Lower Upper
113 100
111 102.4 81.6 122.4
192 17.8 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Tgt Ion: 75 Resp: 12362
Ion Ratio Lower Upper
75 100
110 7.9 17.9 53.8#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.785 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.031 min

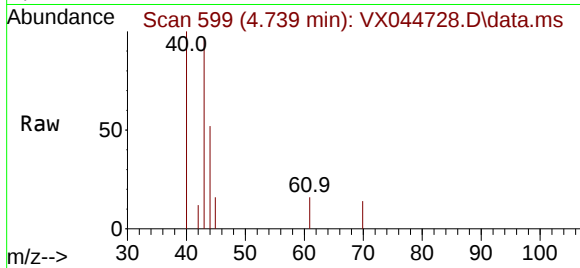
Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

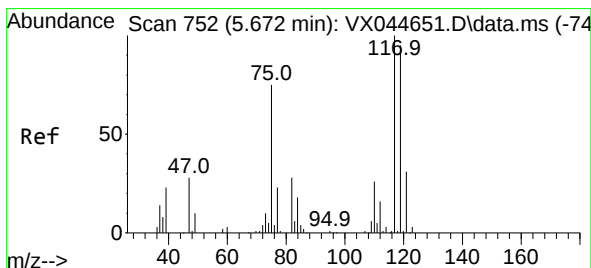
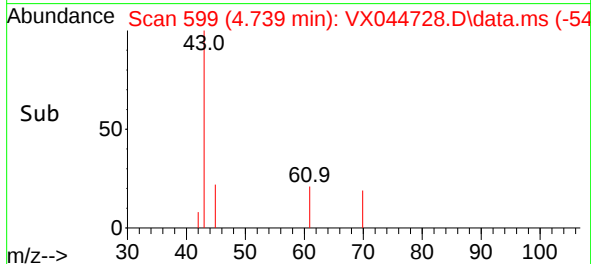
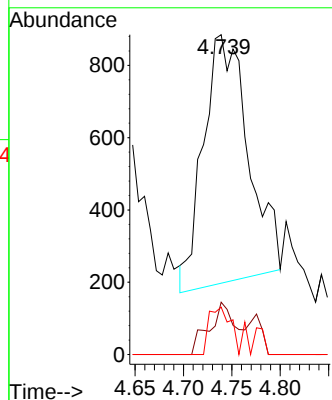
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2211
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.9	16.3
70	9.2	10.1	15.1



#38

Carbon Tetrachloride

Concen: 5.002 ug/l

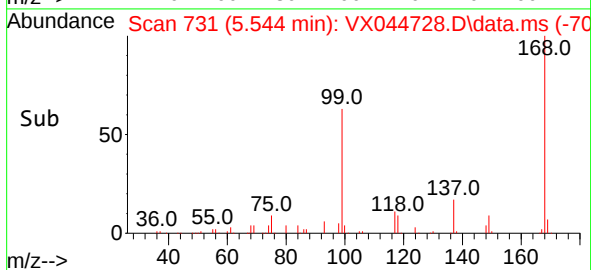
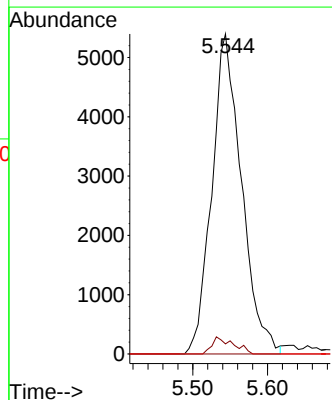
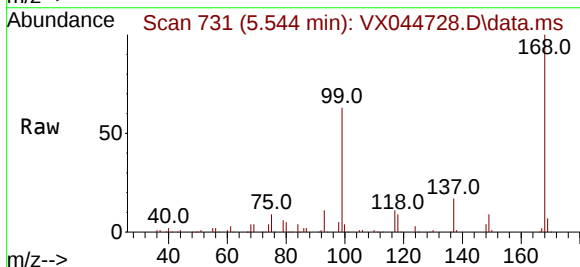
RT: 5.544 min Scan# 731

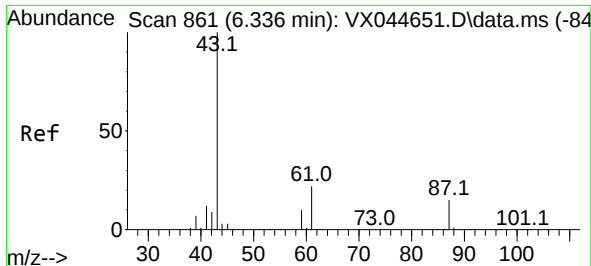
Delta R.T. -0.128 min

Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

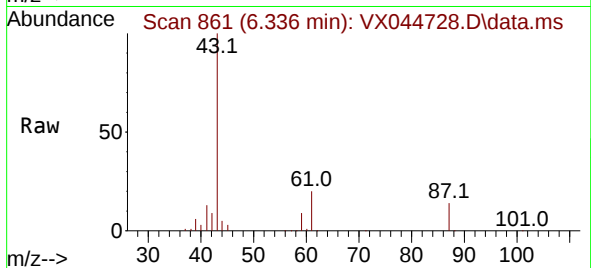
Tgt Ion:	117	Resp:	14889
Ion	Ratio	Lower	Upper
117	100		
119	3.1	76.0	114.0
121	0.0	24.6	36.8



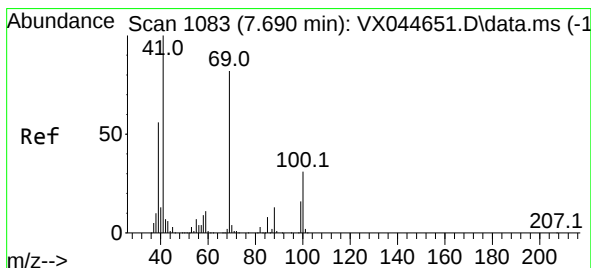
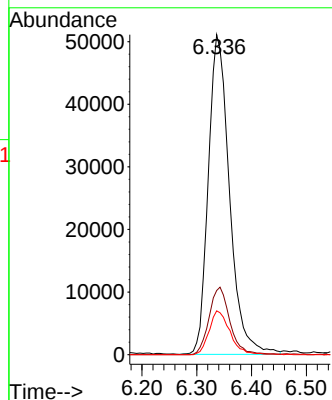
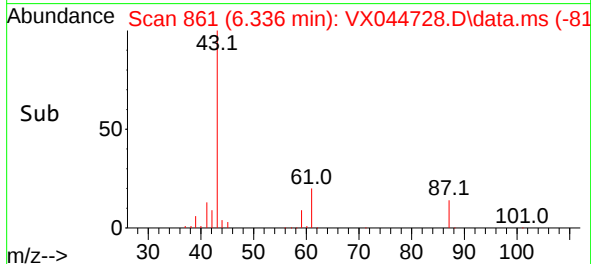


#43
Isopropyl Acetate
Concen: 26.416 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

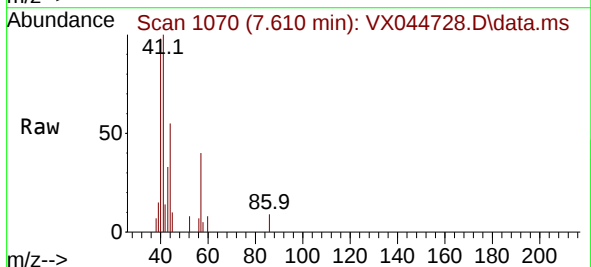
Instrument :
MSVOA_X
ClientSampleId :



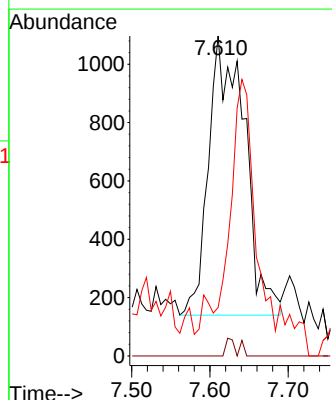
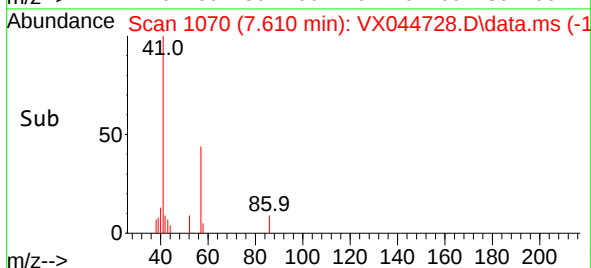
Tgt Ion: 43 Resp: 136938
Ion Ratio Lower Upper
43 100
61 20.7 16.6 24.8
87 13.5 11.0 16.6

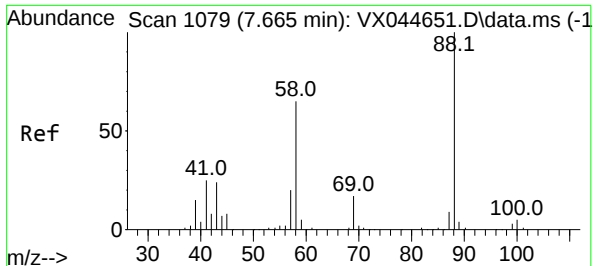


#48
Methyl methacrylate
Concen: 1.270 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.079 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51



Tgt Ion: 41 Resp: 3057
Ion Ratio Lower Upper
41 100
69 2.0 66.8 100.2#
39 0.0 47.4 71.0#





#49

1,4-Dioxane

Concen: 3.884 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

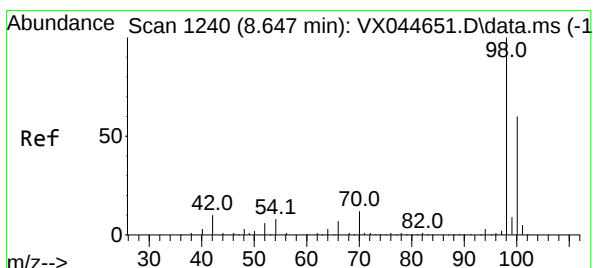
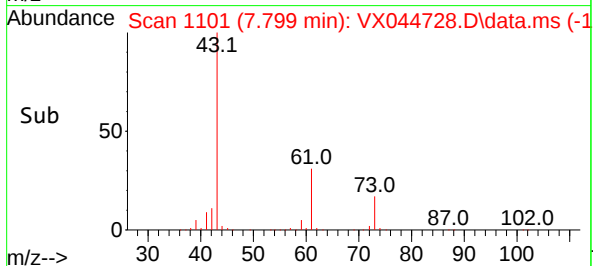
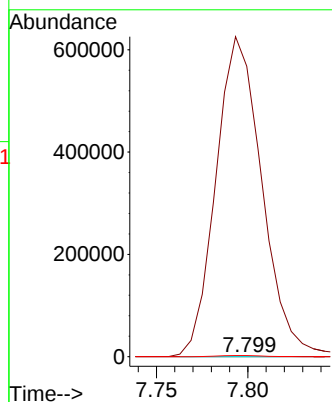
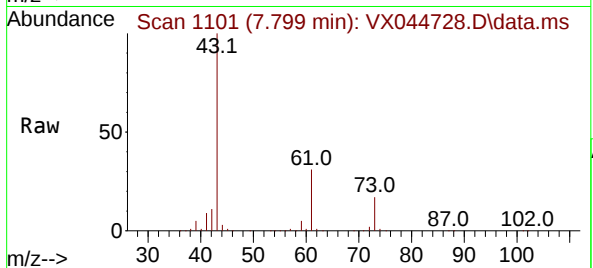
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 195

Ion	Ratio	Lower	Upper
88	100		
43	573013.8	27.0	40.4#
58	2159.0	55.8	83.8#



#50

Toluene-d8

Concen: 53.544 ug/l

RT: 8.647 min Scan# 1240

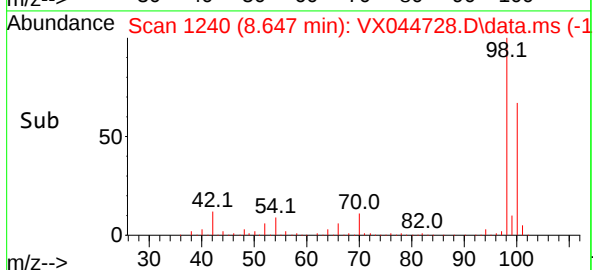
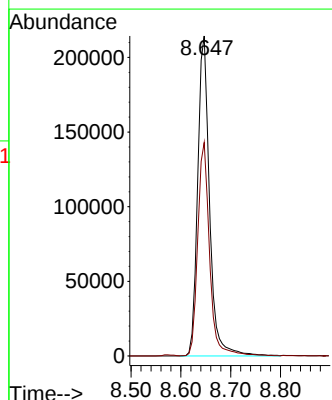
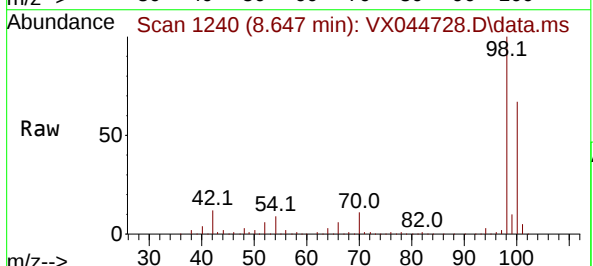
Delta R.T. 0.000 min

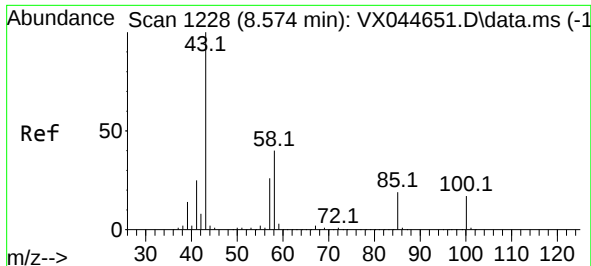
Lab File: VX044728.D

Acq: 27 Jan 2025 16:51

Tgt Ion: 98 Resp: 354898

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.2	79.8

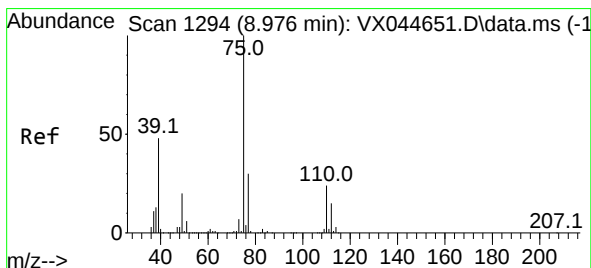
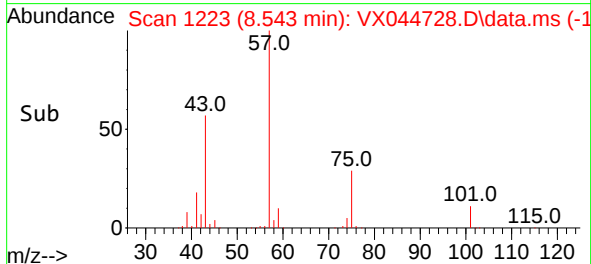
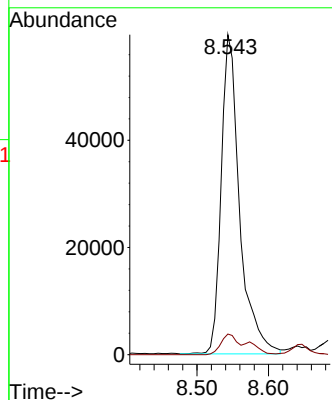
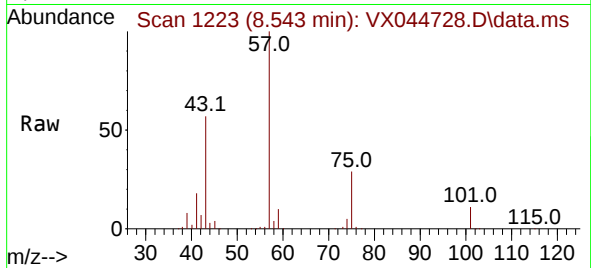




#51
4-Methyl-2-Pentanone
Concen: 37.177 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

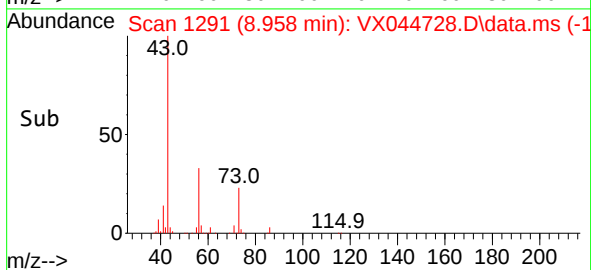
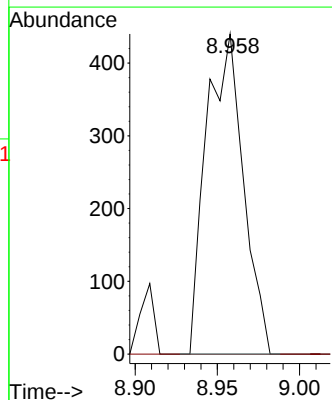
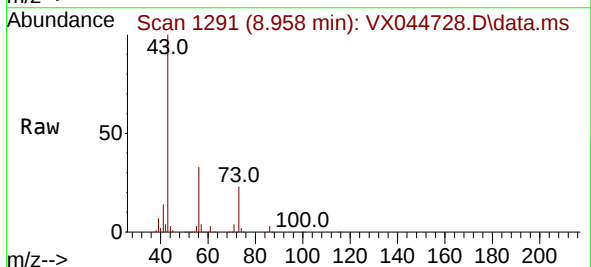
Instrument :
MSVOA_X
ClientSampleId :

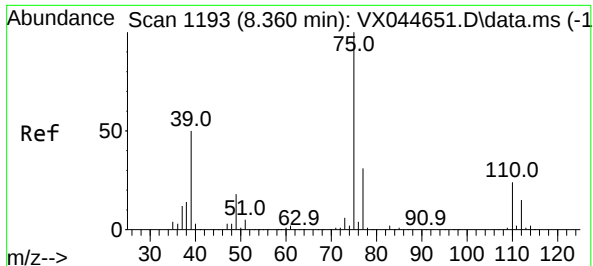
Tgt Ion: 43 Resp: 106505
Ion Ratio Lower Upper
43 100
58 5.8 31.9 47.9#



#53
t-1,3-Dichloropropene
Concen: 0.208 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

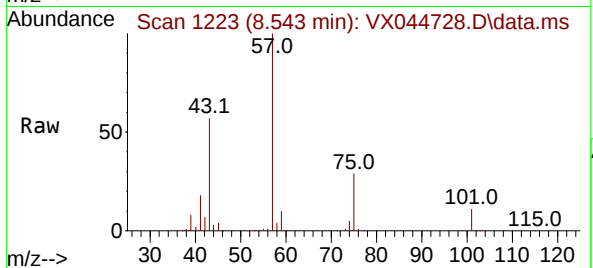
Tgt Ion: 75 Resp: 692
Ion Ratio Lower Upper
75 100
77 0.0 24.4 36.6#



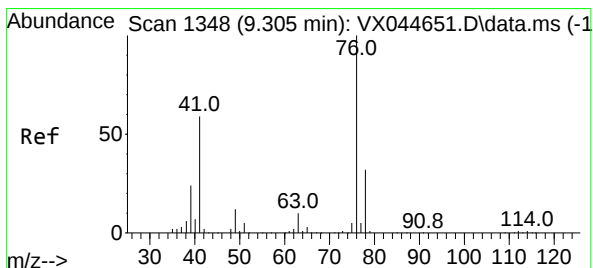
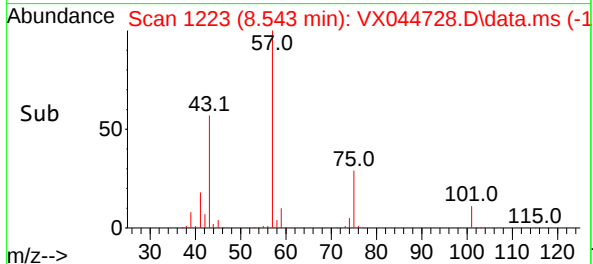
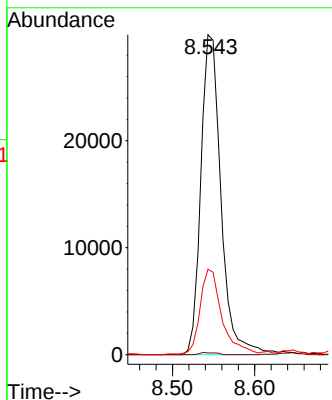


#54
cis-1,3-Dichloropropene
Concen: 14.115 ug/l
RT: 8.543 min Scan# 1193
Delta R.T. 0.183 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Instrument :
MSVOA_X
ClientSampleId :

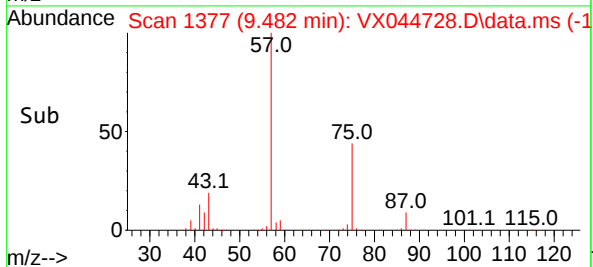
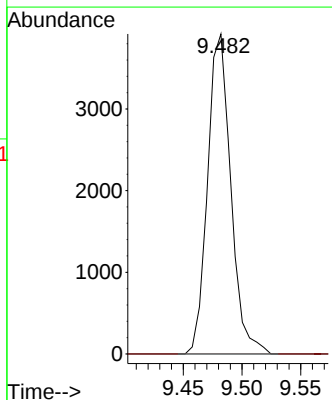
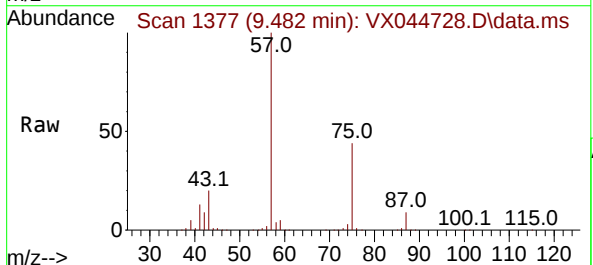


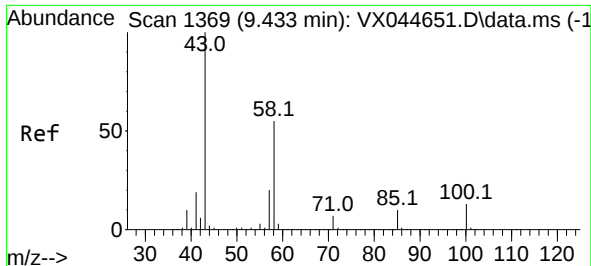
Tgt Ion: 75 Resp: 50954
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 26.5 40.3 60.5#



#57
1,3-Dichloropropane
Concen: 1.557 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Tgt Ion: 76 Resp: 5384
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#

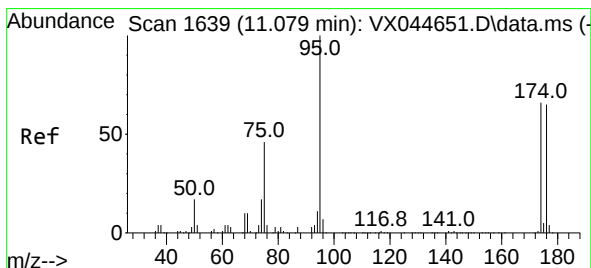
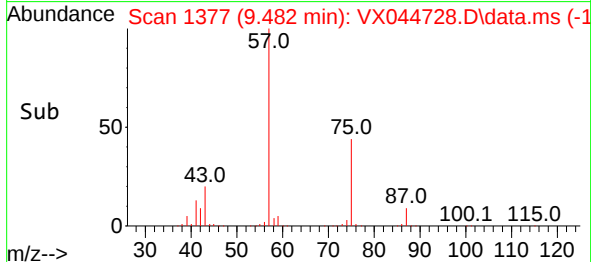
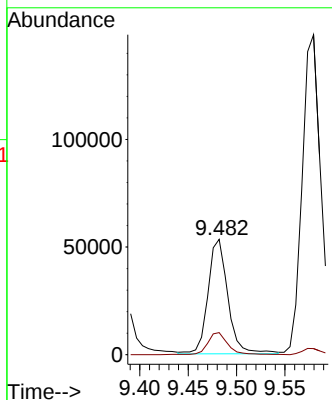
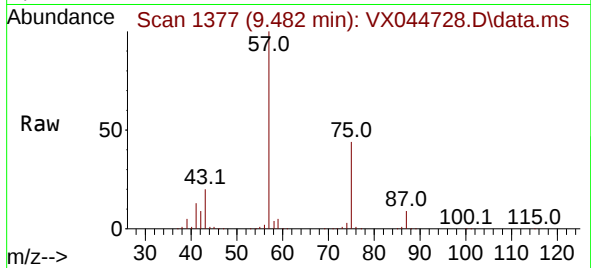




#59
2-Hexanone
Concen: 36.199 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

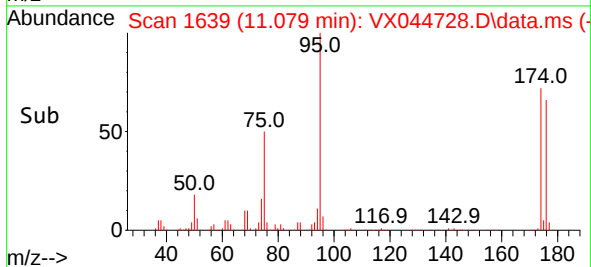
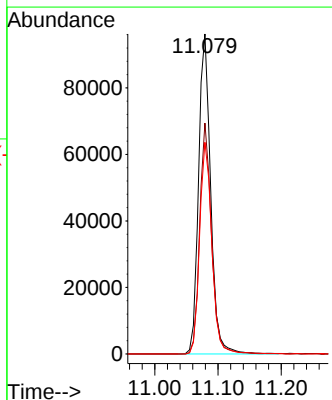
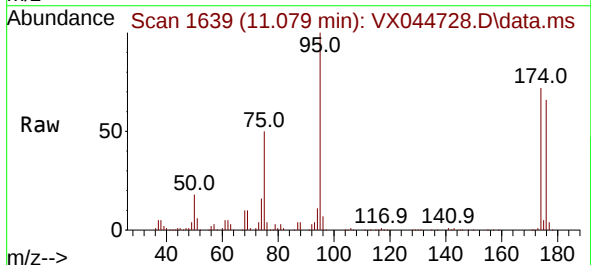
Instrument :
MSVOA_X
ClientSampleId :

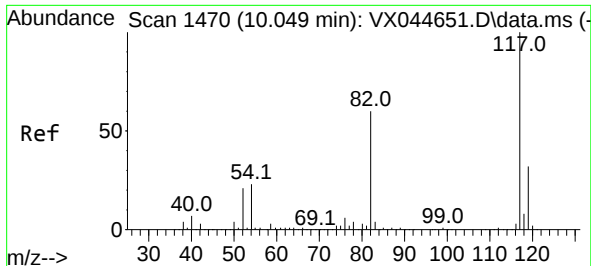
Tgt Ion: 43 Resp: 76294
Ion Ratio Lower Upper
43 100
58 19.7 27.8 83.3#



#62
4-Bromofluorobenzene
Concen: 52.042 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Tgt Ion: 95 Resp: 128591
Ion Ratio Lower Upper
95 100
174 70.4 0.0 133.0
176 66.8 0.0 129.4

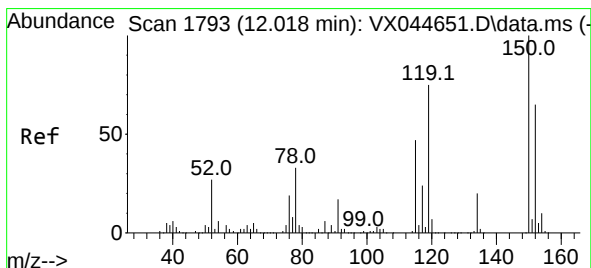
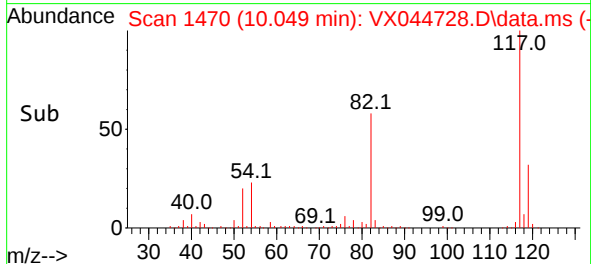
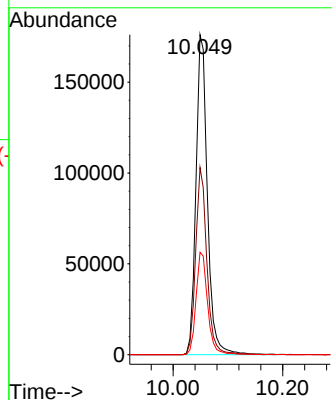
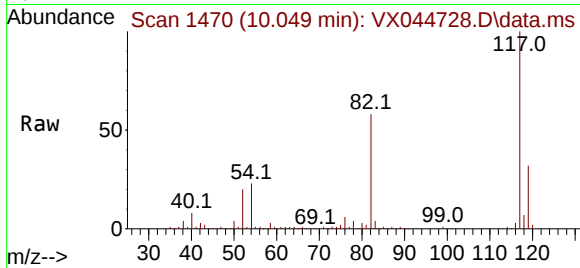




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

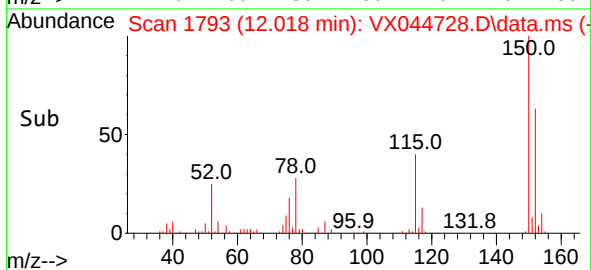
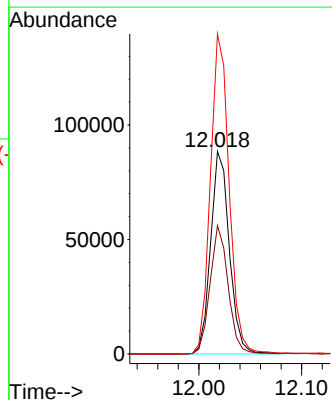
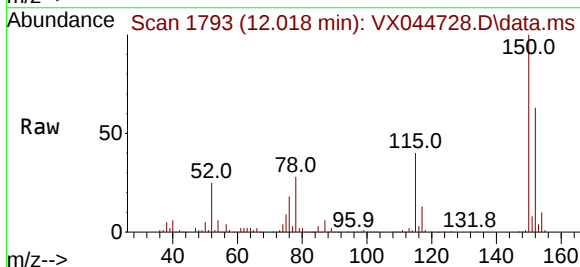
Instrument :
MSVOA_X
ClientSampleId :

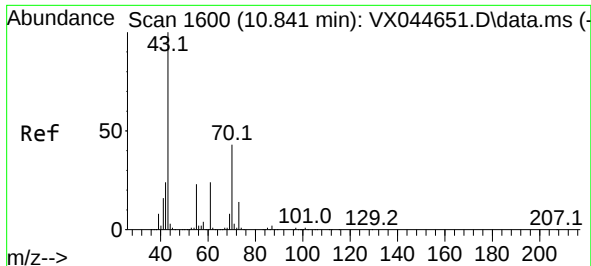
Tgt Ion:117 Resp: 256527
Ion Ratio Lower Upper
117 100
82 58.5 47.6 71.4
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

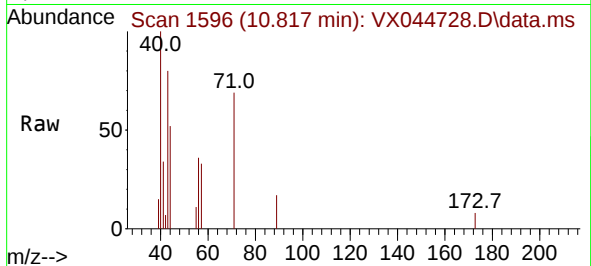
Tgt Ion:152 Resp: 111838
Ion Ratio Lower Upper
152 100
115 61.5 43.8 131.4
150 158.0 0.0 347.8



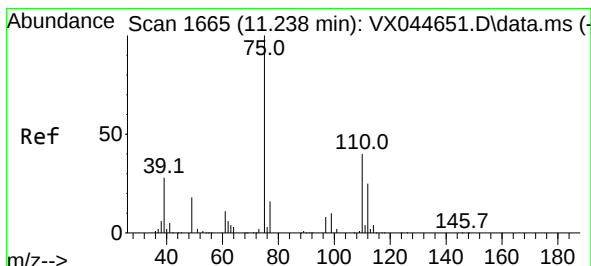
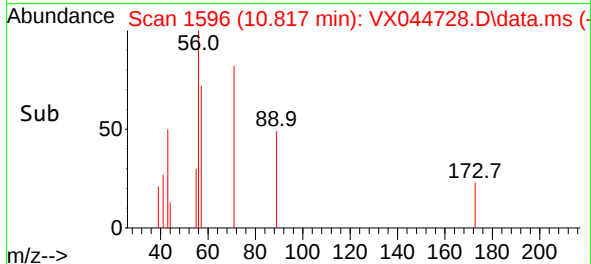
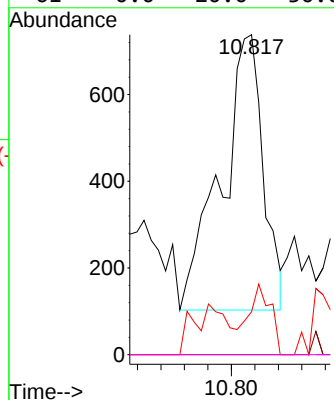


#74
N-amy1 acetate
Concen: 0.349 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

Instrument :
MSVOA_X
ClientSampleId :

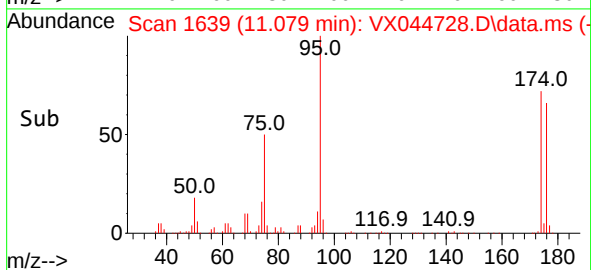
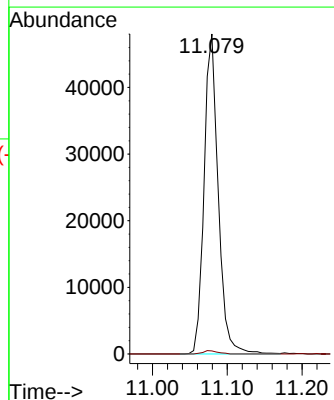
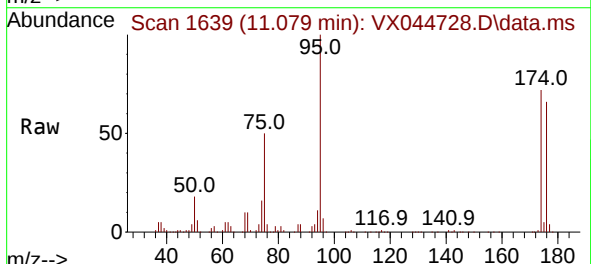


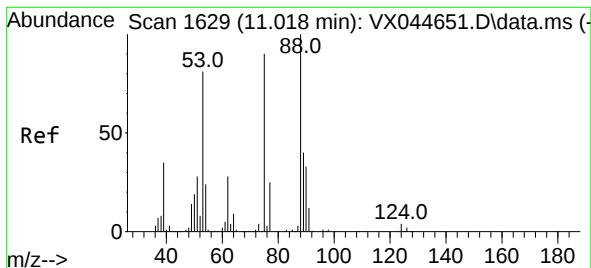
Tgt Ion: 43	Resp: 1570
Ion Ratio	Lower Upper
43	100
70	0.0 35.2 52.8#
55	13.3 19.0 28.4#
61	0.0 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 23.210 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044728.D
Acq: 27 Jan 2025 16:51

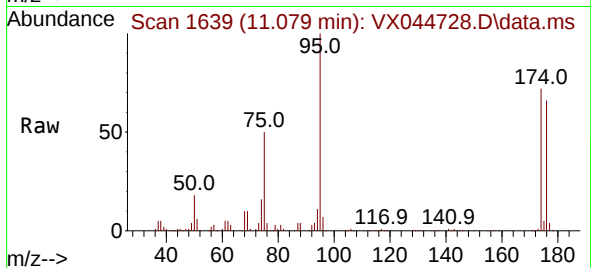
Tgt Ion: 75	Resp: 62996
Ion Ratio	Lower Upper
75	100
77	1.1 23.4 70.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.078 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX044728.D
 Acq: 27 Jan 2025 16:51

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 62996
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.3 111.5#
 89 0.0 37.4 56.0#

