

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045201.D
 Acq On : 10 Mar 2025 17:12
 Operator : JC/MD
 Sample : Q1531-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 03:59:26 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)

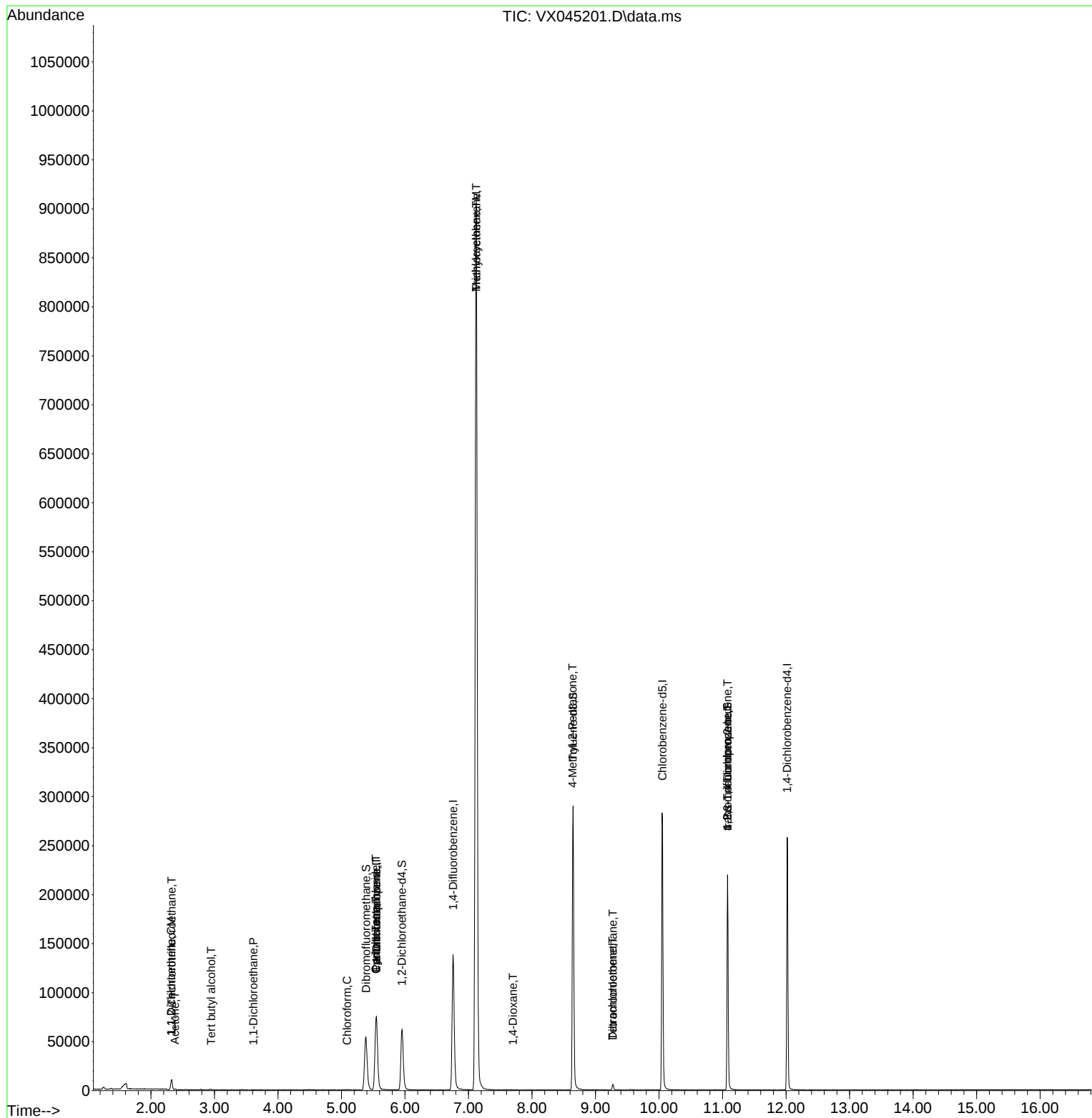
Internal Standards						
1) Pentafluorobenzene	5.550	168	70057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136914	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59677	53.553	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.100%	
35) Dibromofluoromethane	5.385	113	48087	52.525	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.040%	
50) Toluene-d8	8.647	98	169351	51.024	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	11.079	95	56381	51.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.520%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.324	101	4252	5.222	ug/l	93
11) Tert butyl alcohol	2.946	59	247	1.170	ug/l #	73
12) 1,1-Dichloroethene	2.318	96	343	0.398	ug/l #	86
16) Acetone	2.379	43	783	1.514	ug/l #	84
24) 1,1-Dichloroethane	3.611	63	474	0.271	ug/l #	83
30) Chloroform	5.086	83	578	0.333	ug/l #	77
31) Cyclohexane	5.543	56	1780	1.174	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	6606	5.262	ug/l #	46
38) Carbon Tetrachloride	5.543	117	7469	5.860	ug/l #	16
39) Methylcyclohexane	7.122	83	4667	3.102	ug/l #	1
44) Trichloroethene	7.122	130	345166	370.772	ug/l	99
49) 1,4-Dioxane	7.702	88	22	0.869	ug/l #	23
51) 4-Methyl-2-Pentanone	8.640	43	879	0.547	ug/l #	1
60) Dibromochloromethane	9.274	129	1139	1.138	ug/l #	11
64) Tetrachloroethene	9.268	164	1121	1.410	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	31109	26.709	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31109	91.402	ug/l #	6

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

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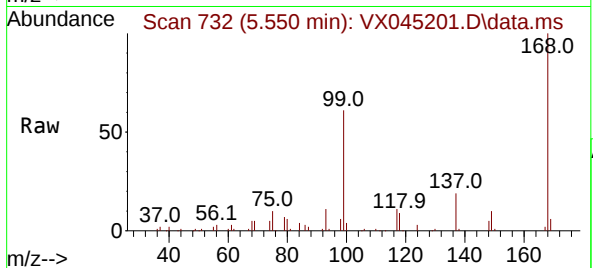
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



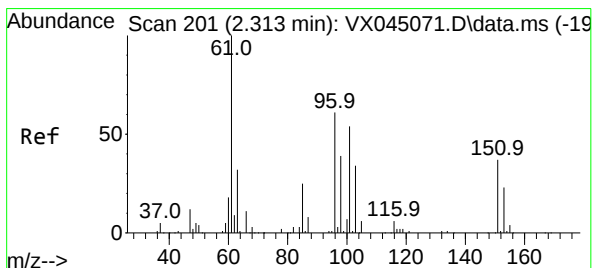
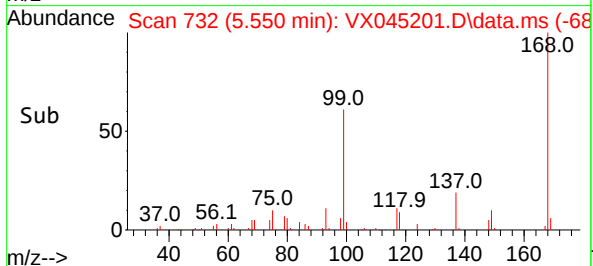
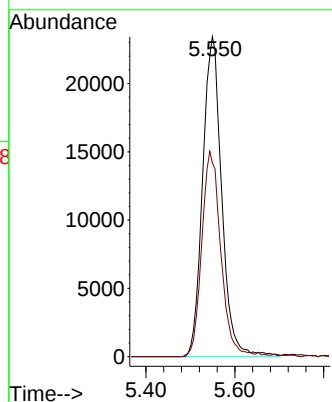


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :

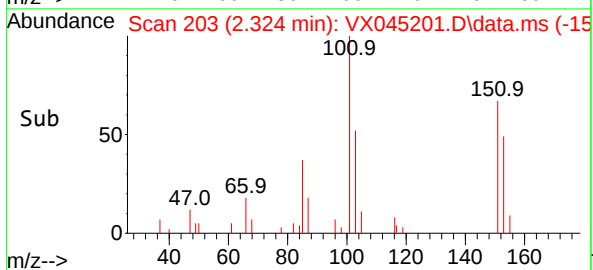
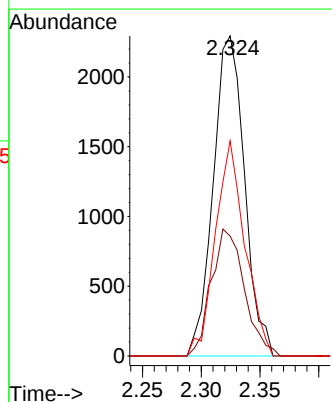
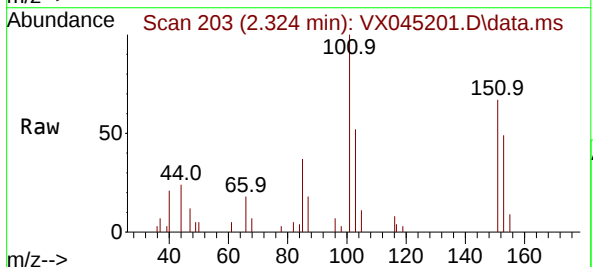


Tgt Ion:168 Resp: 70057
Ion Ratio Lower Upper
168 100
99 60.6 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.222 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion:101 Resp: 4252
Ion Ratio Lower Upper
101 100
85 41.9 36.2 54.4
151 63.6 56.4 84.6





#11

Tert butyl alcohol

Concen: 1.170 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045201.D

Acq: 10 Mar 2025 17:12

Instrument :

MSVOA_X

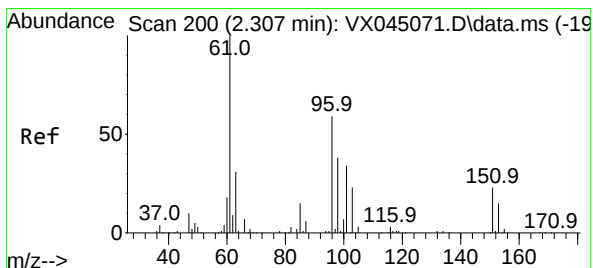
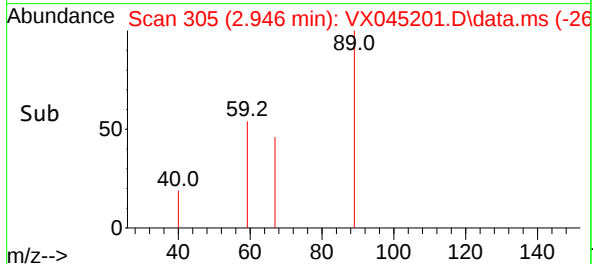
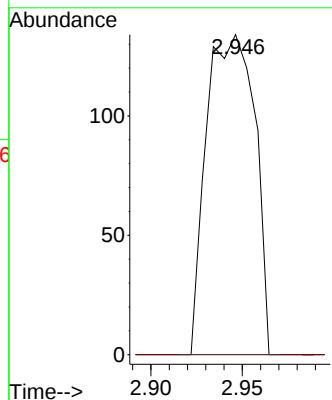
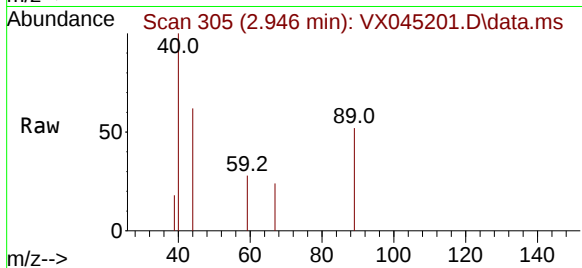
ClientSampleId :

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 0.398 ug/l

RT: 2.318 min Scan# 202

Delta R.T. 0.012 min

Lab File: VX045201.D

Acq: 10 Mar 2025 17:12

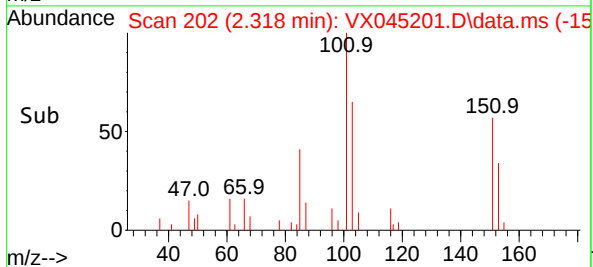
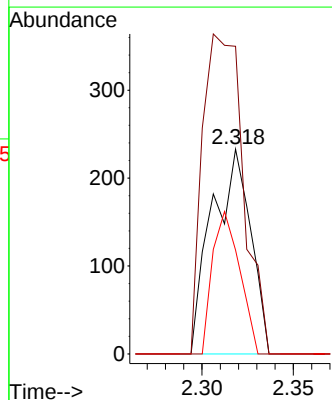
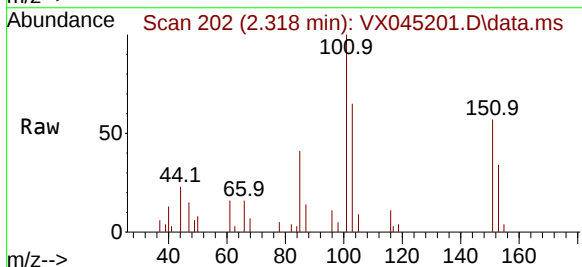
Tgt Ion: 96 Resp: 343

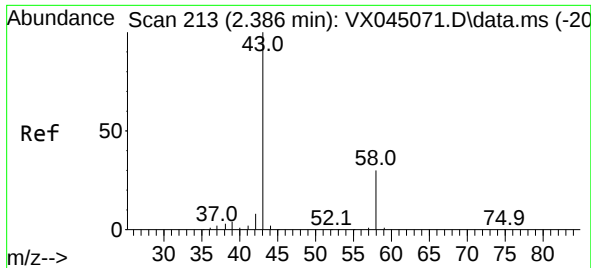
Ion Ratio Lower Upper

96 100

61 150.2 134.6 202.0

98 50.6 51.0 76.6#

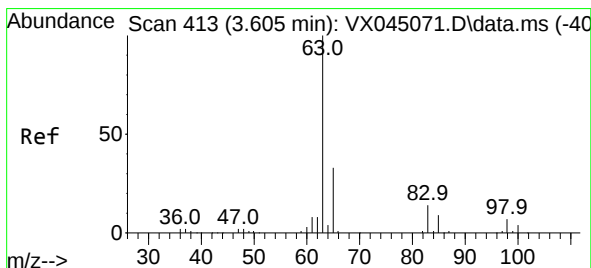
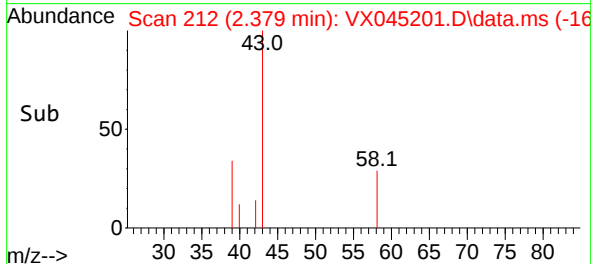
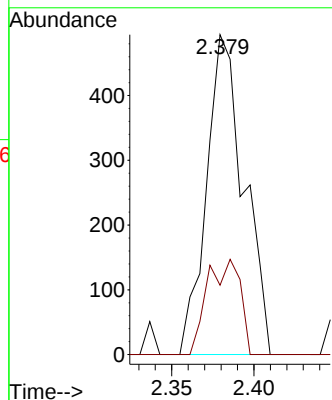
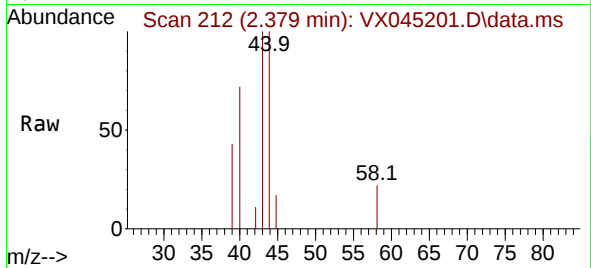




#16
Acetone
Concen: 1.514 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

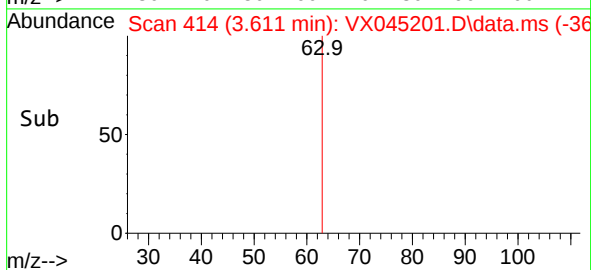
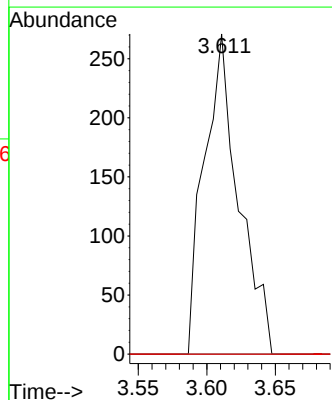
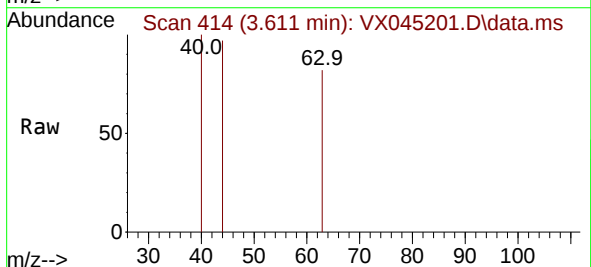
Instrument :
MSVOA_X
ClientSampleId :

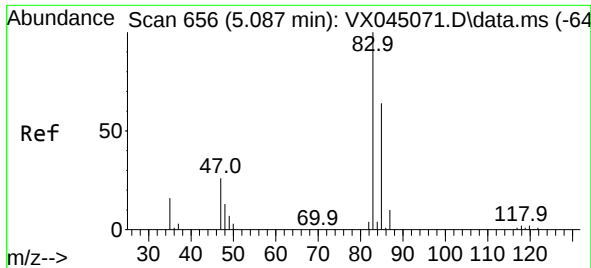
Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
58 21.7 24.2 36.4#



#24
1,1-Dichloroethane
Concen: 0.271 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion: 63 Resp: 474
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 2.1 6.5#

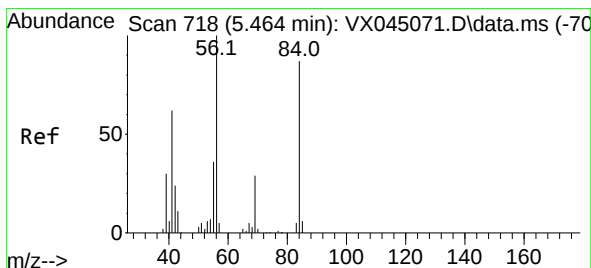
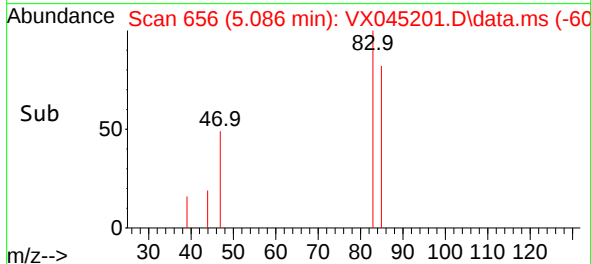
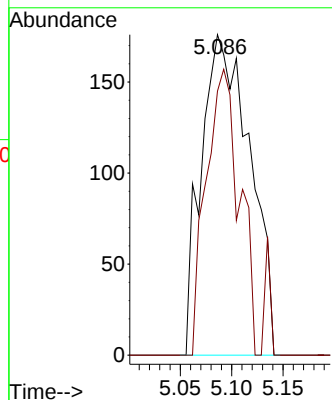
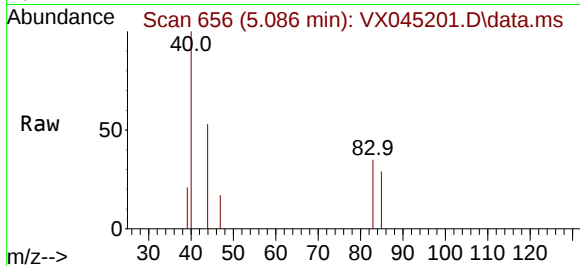




#30
Chloroform
Concen: 0.333 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

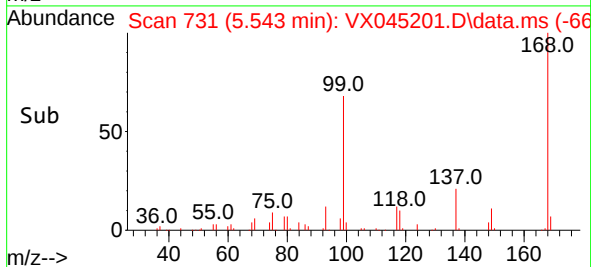
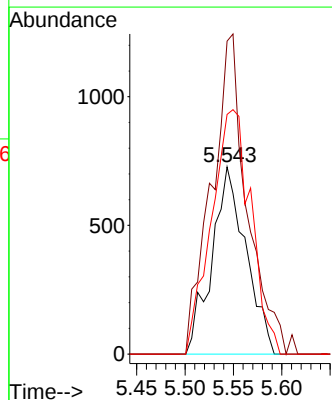
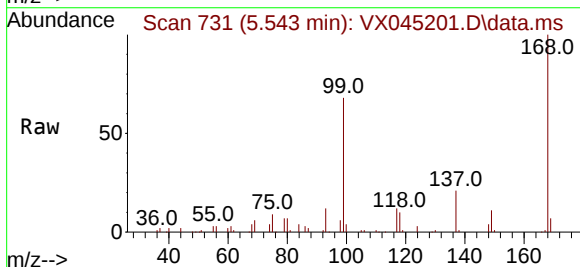
Instrument :
MSVOA_X
ClientSampleId :

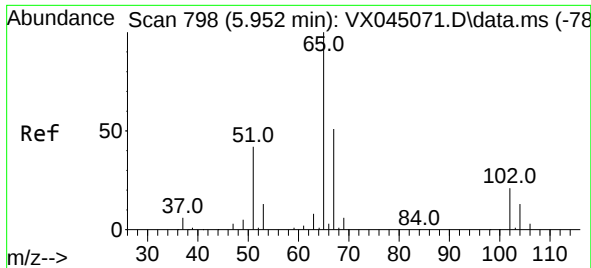
Tgt Ion: 83 Resp: 578
Ion Ratio Lower Upper
83 100
85 82.4 51.4 77.2#



#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.543 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion: 56 Resp: 1780
Ion Ratio Lower Upper
56 100
69 167.3 23.4 35.2#
84 128.1 69.4 104.2#

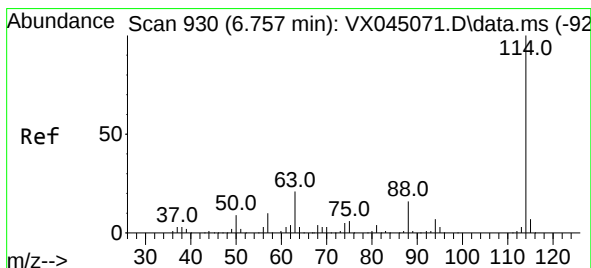
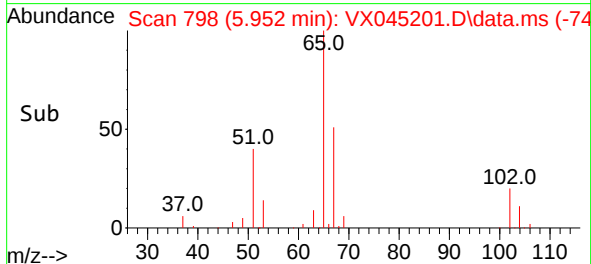
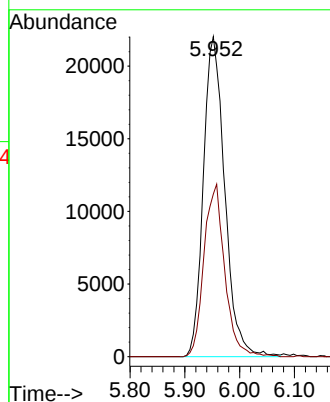
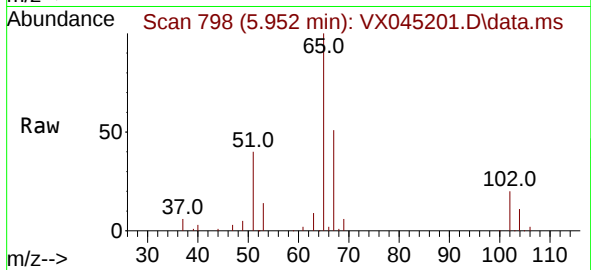




#33
 1,2-Dichloroethane-d4
 Concen: 53.553 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045201.D
 Acq: 10 Mar 2025 17:12

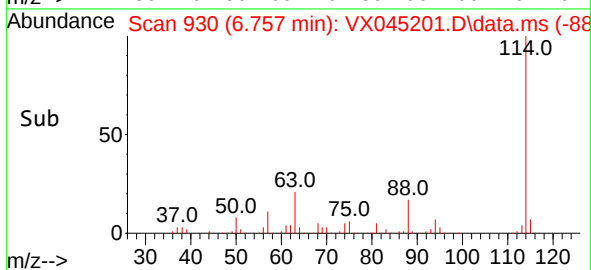
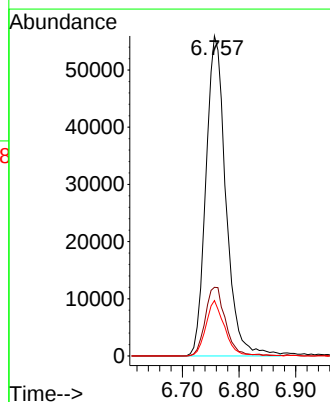
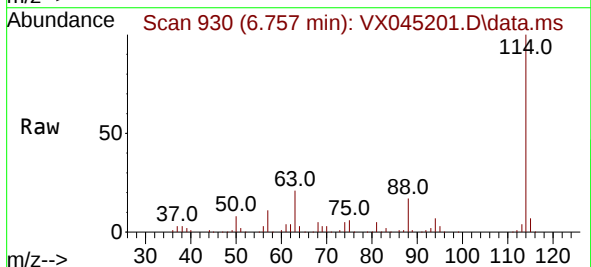
Instrument :
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 ClientSampleId :

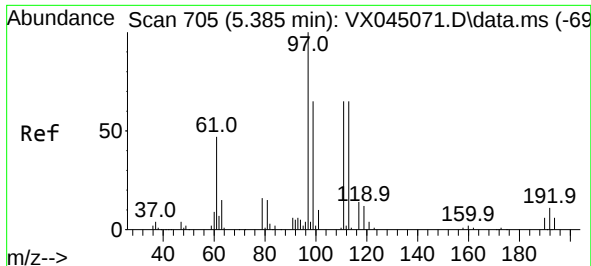
Tgt Ion: 65 Resp: 59677
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045201.D
 Acq: 10 Mar 2025 17:12

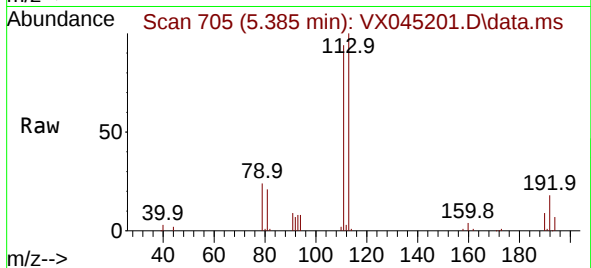
Tgt Ion: 114 Resp: 136914
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 17.3 0.0 32.8



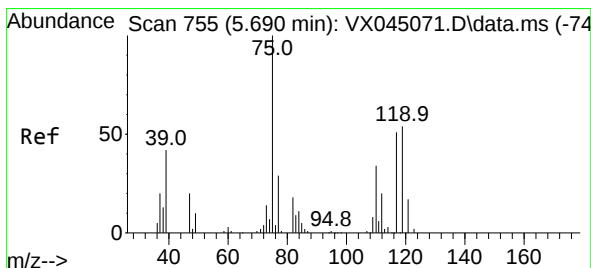
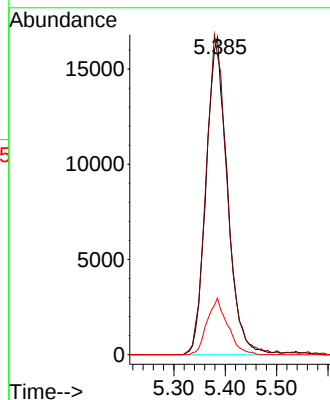
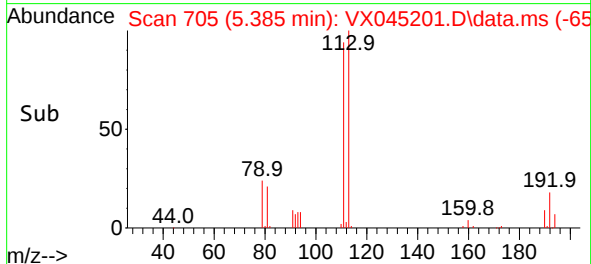


#35
Dibromofluoromethane
Concen: 52.525 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

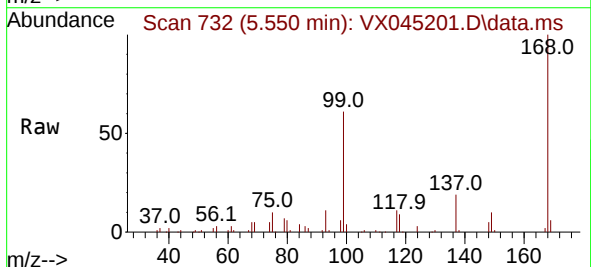
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ClientSampleId :



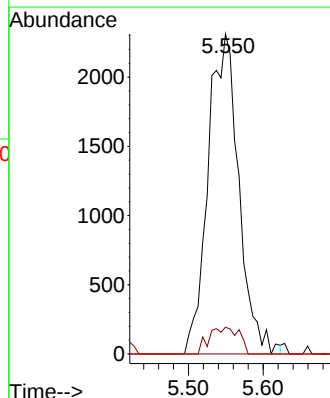
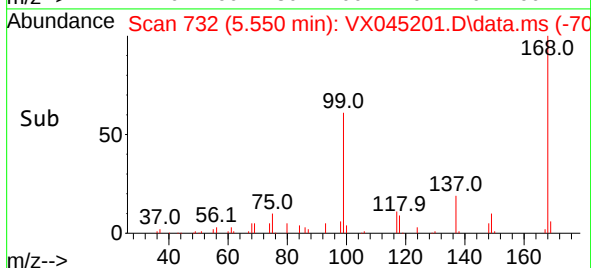
Tgt Ion:113 Resp: 48087
Ion Ratio Lower Upper
113 100
111 100.5 81.8 122.6
192 17.1 14.3 21.5

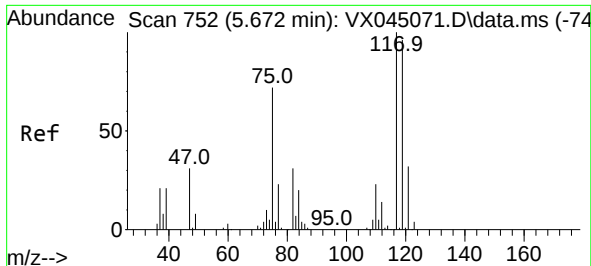


#36
1,1-Dichloropropene
Concen: 5.262 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12



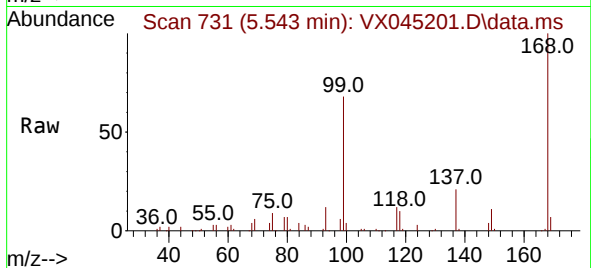
Tgt Ion: 75 Resp: 6606
Ion Ratio Lower Upper
75 100
110 3.8 16.9 50.6#
77 0.0 24.5 36.7#



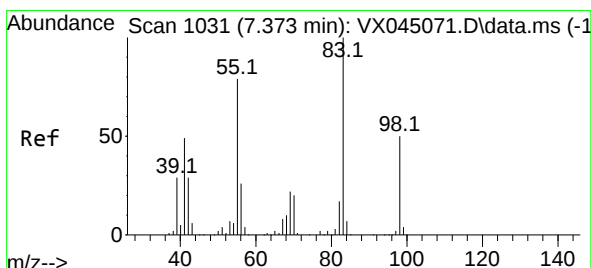
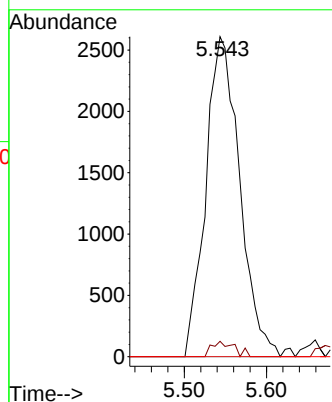
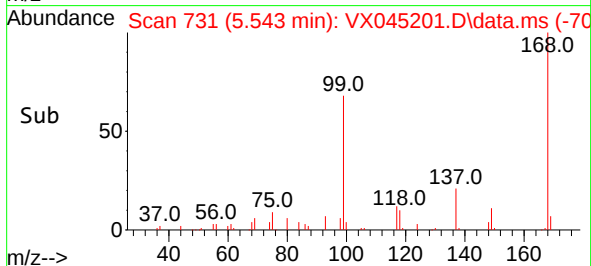


#38
Carbon Tetrachloride
Concen: 5.860 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :

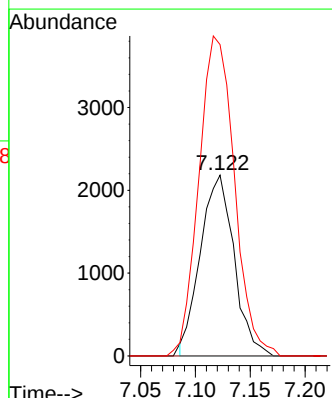
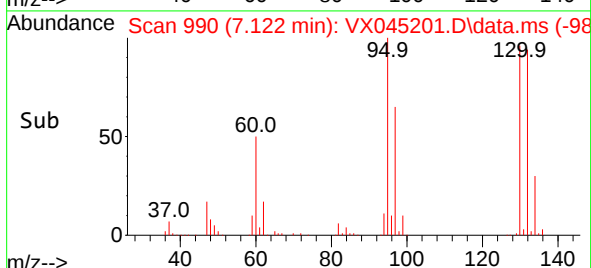
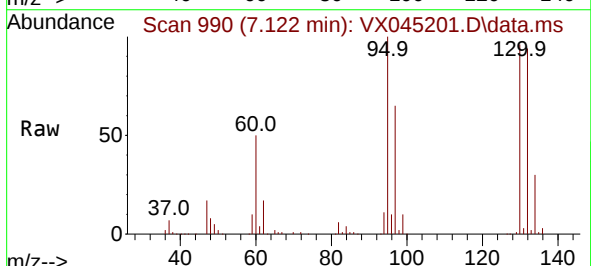


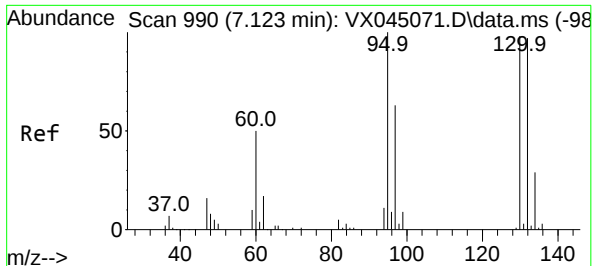
Tgt Ion:117 Resp: 7469
Ion Ratio Lower Upper
117 100
119 4.8 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 3.102 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

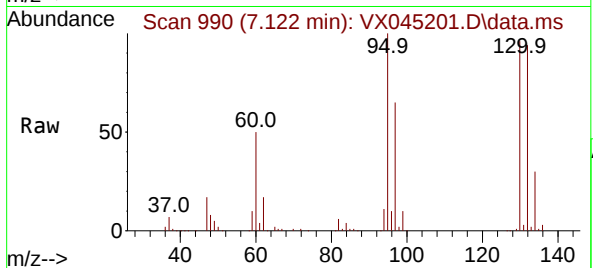
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Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 172.2 39.7 59.5#



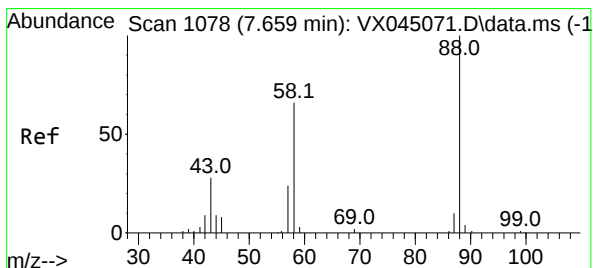
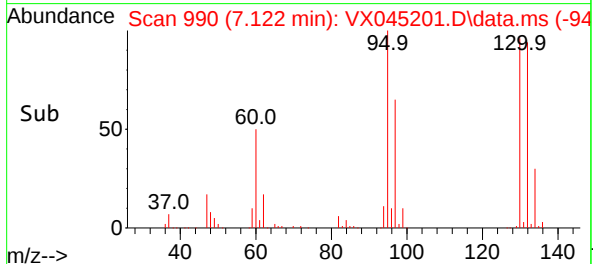
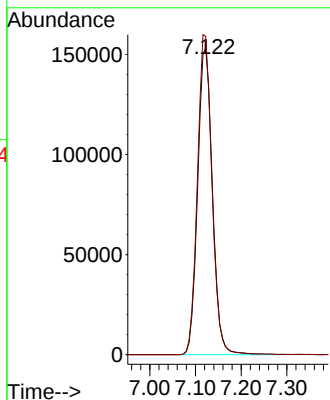


#44
Trichloroethene
Concen: 370.772 ug/l
RT: 7.122 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :

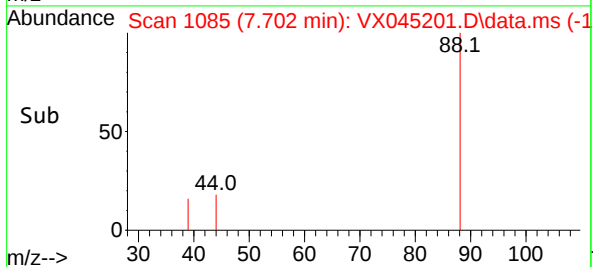
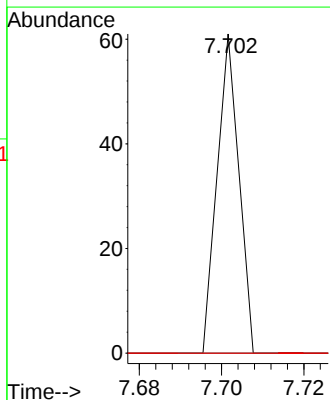
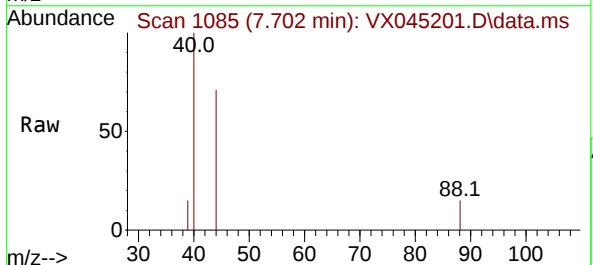


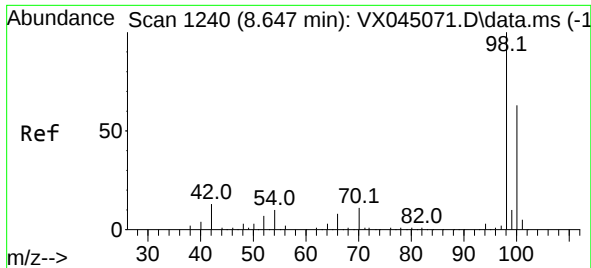
Tgt Ion:130 Resp: 345166
Ion Ratio Lower Upper
130 100
95 103.9 0.0 205.0



#49
1,4-Dioxane
Concen: 0.869 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.042 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#

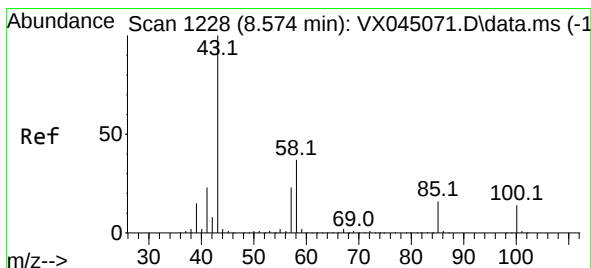
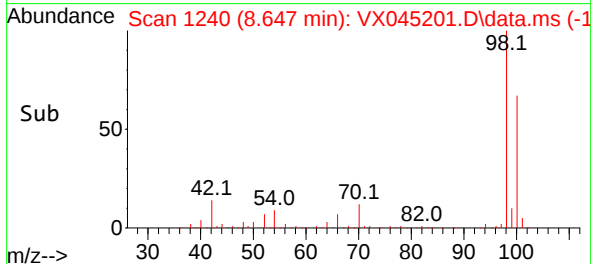
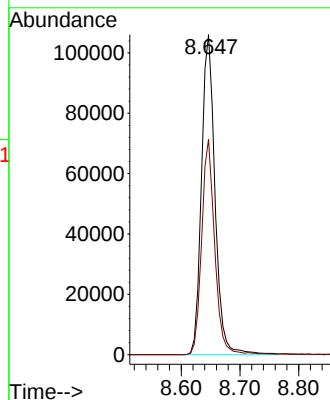
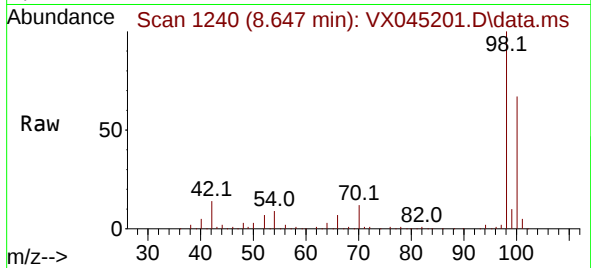




#50
Toluene-d8
Concen: 51.024 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

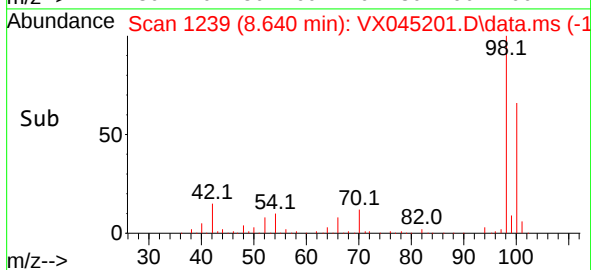
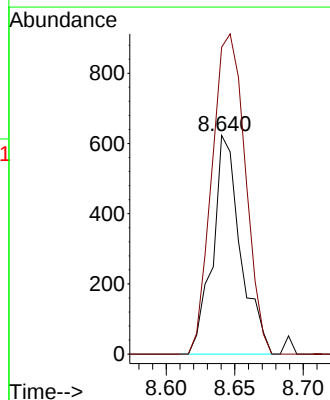
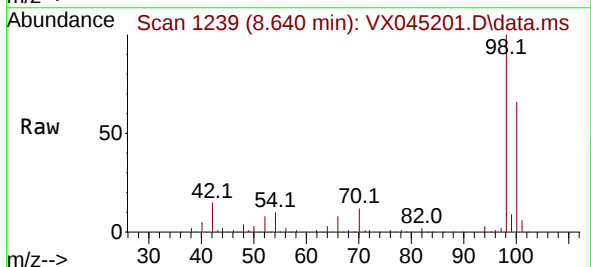
Instrument :
MSVOA_X
ClientSampleId :

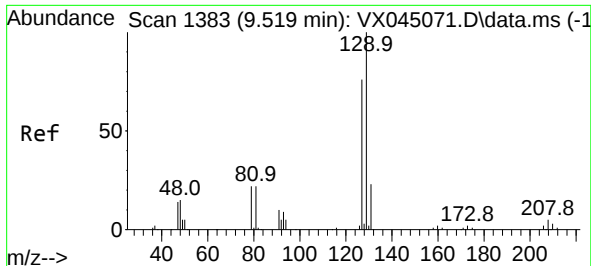
Tgt Ion: 98 Resp: 169351
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
58 176.1 29.2 43.8#

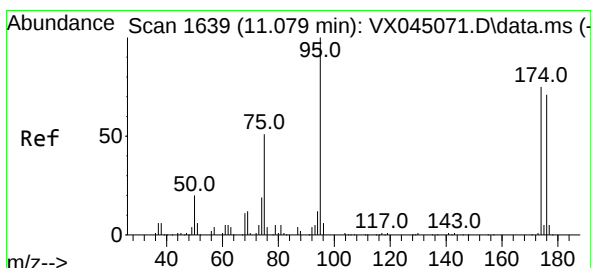
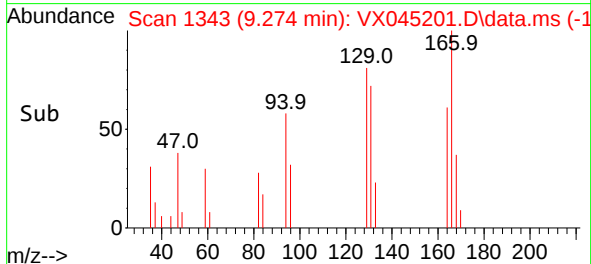
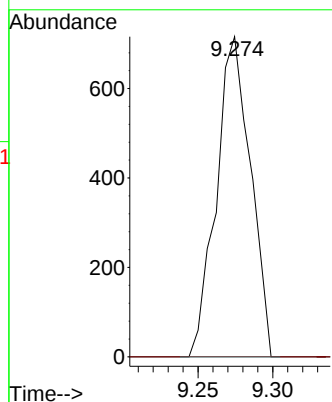
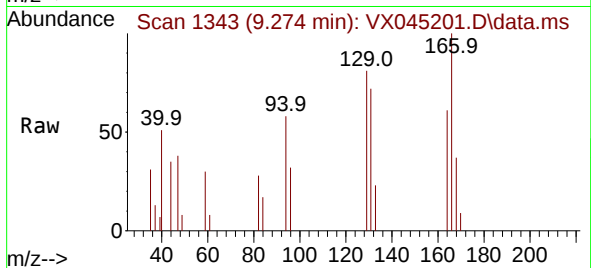




#60
Dibromochloromethane
Concen: 1.138 ug/l
RT: 9.274 min Scan# 1139
Delta R.T. -0.244 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

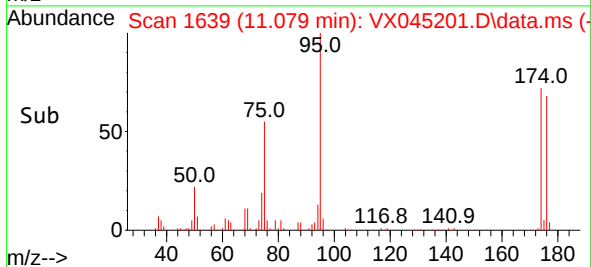
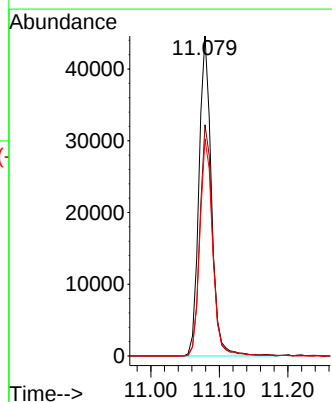
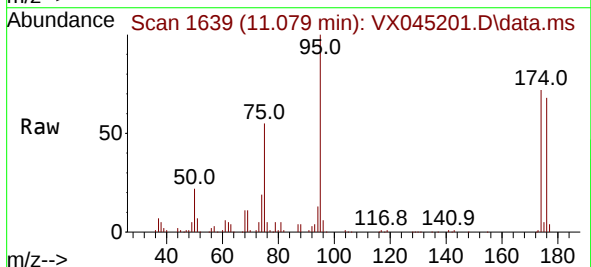
Instrument :
MSVOA_X
ClientSampleId :

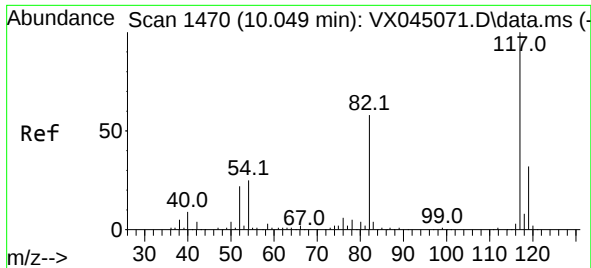
Tgt Ion:129 Resp: 1139
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 51.263 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion: 95 Resp: 56381
Ion Ratio Lower Upper
95 100
174 73.9 0.0 148.2
176 69.9 0.0 141.4

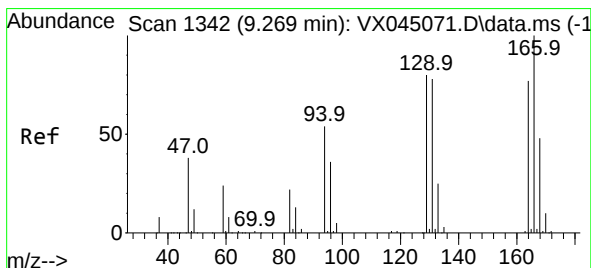
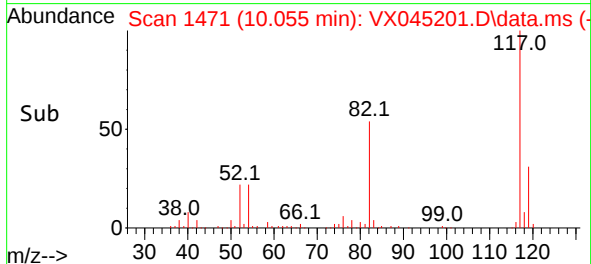
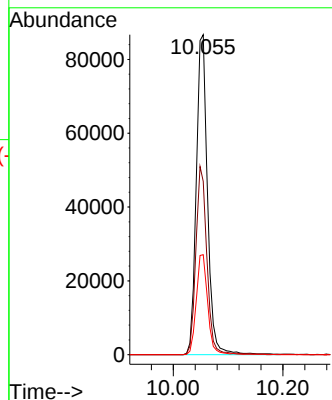
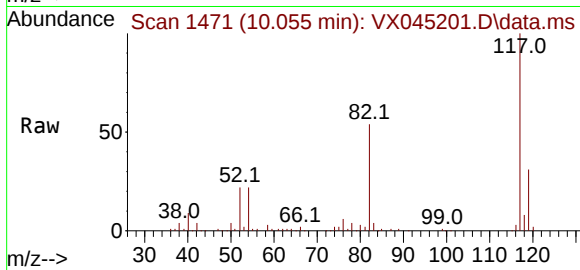




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

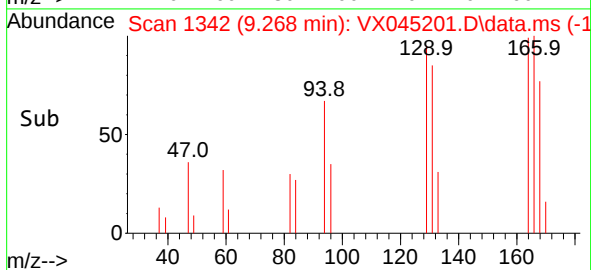
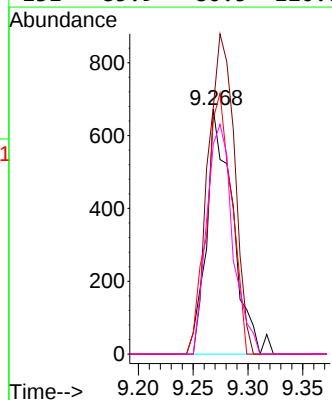
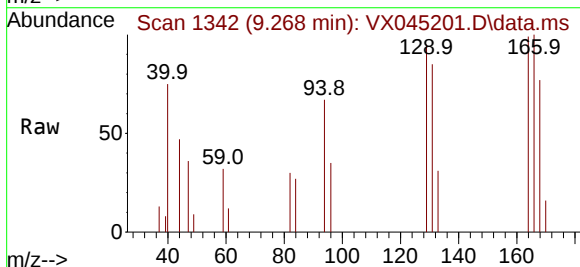
Instrument :
MSVOA_X
ClientSampleId :

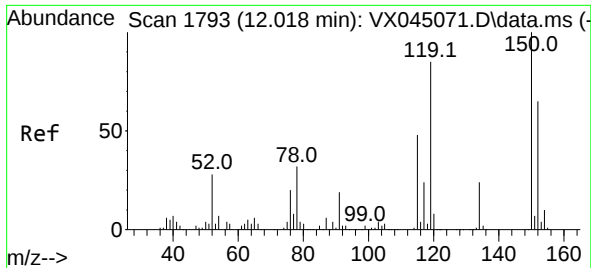
Tgt Ion:117 Resp: 124142
Ion Ratio Lower Upper
117 100
82 54.1 46.3 69.5
119 31.3 25.7 38.5



#64
Tetrachloroethene
Concen: 1.410 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045201.D
Acq: 10 Mar 2025 17:12

Tgt Ion:164 Resp: 1121
Ion Ratio Lower Upper
164 100
166 100.9 103.6 155.4#
129 96.3 82.7 124.1
131 85.9 80.5 120.7

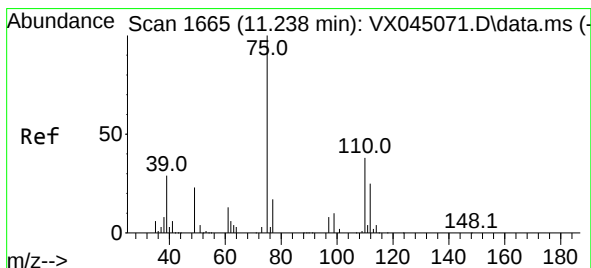
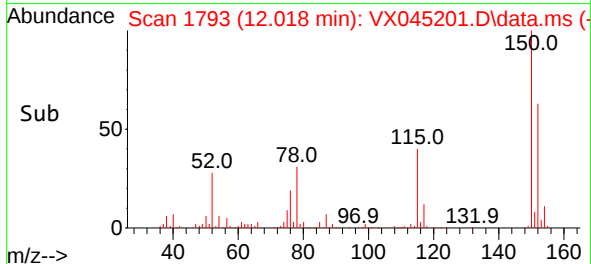
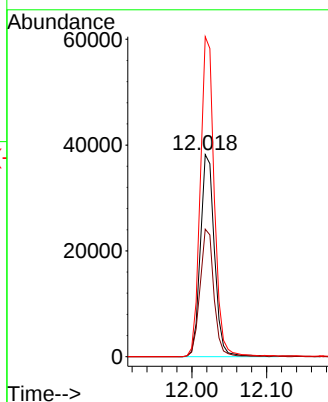
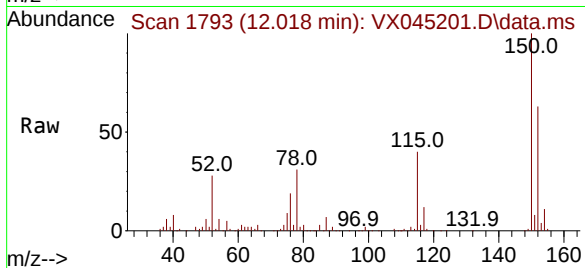




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045201.D
 Acq: 10 Mar 2025 17:12

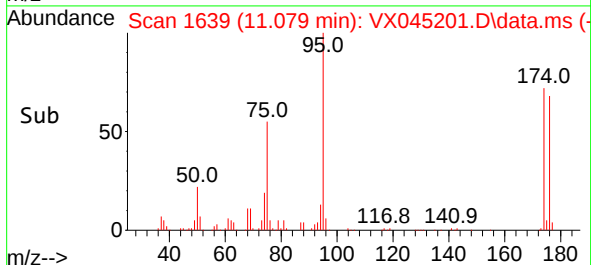
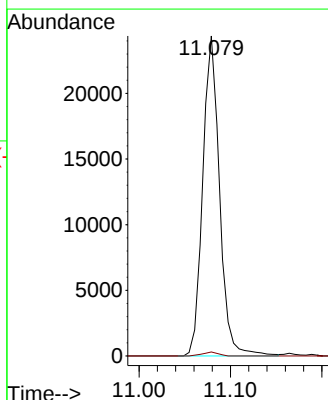
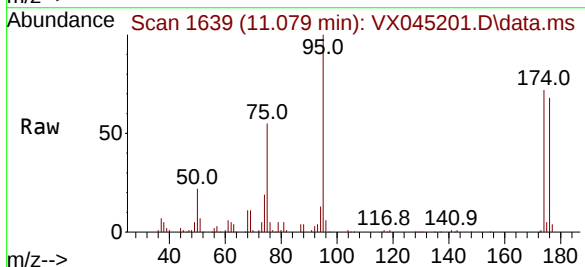
Instrument :
 MSVOA_X
 ClientSampleId :

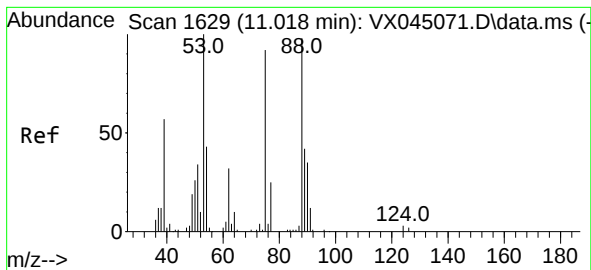
Tgt Ion:152 Resp: 50043
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.2 132.6
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.709 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045201.D
 Acq: 10 Mar 2025 17:12

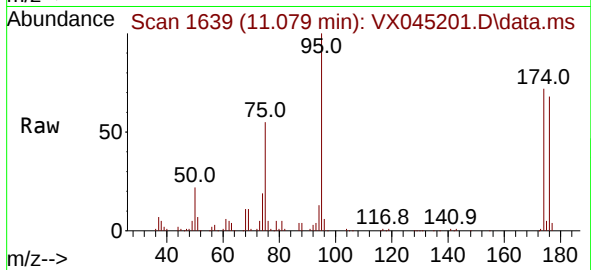
Tgt Ion: 75 Resp: 31109
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.402 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045201.D
 Acq: 10 Mar 2025 17:12

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 31109
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.1 36.2 54.4#

