

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
 Data File : VX045230.D
 Acq On : 11 Mar 2025 17:29
 Operator : JC/MD
 Sample : Q1531-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250307

Quant Time: Mar 12 01:52:39 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)

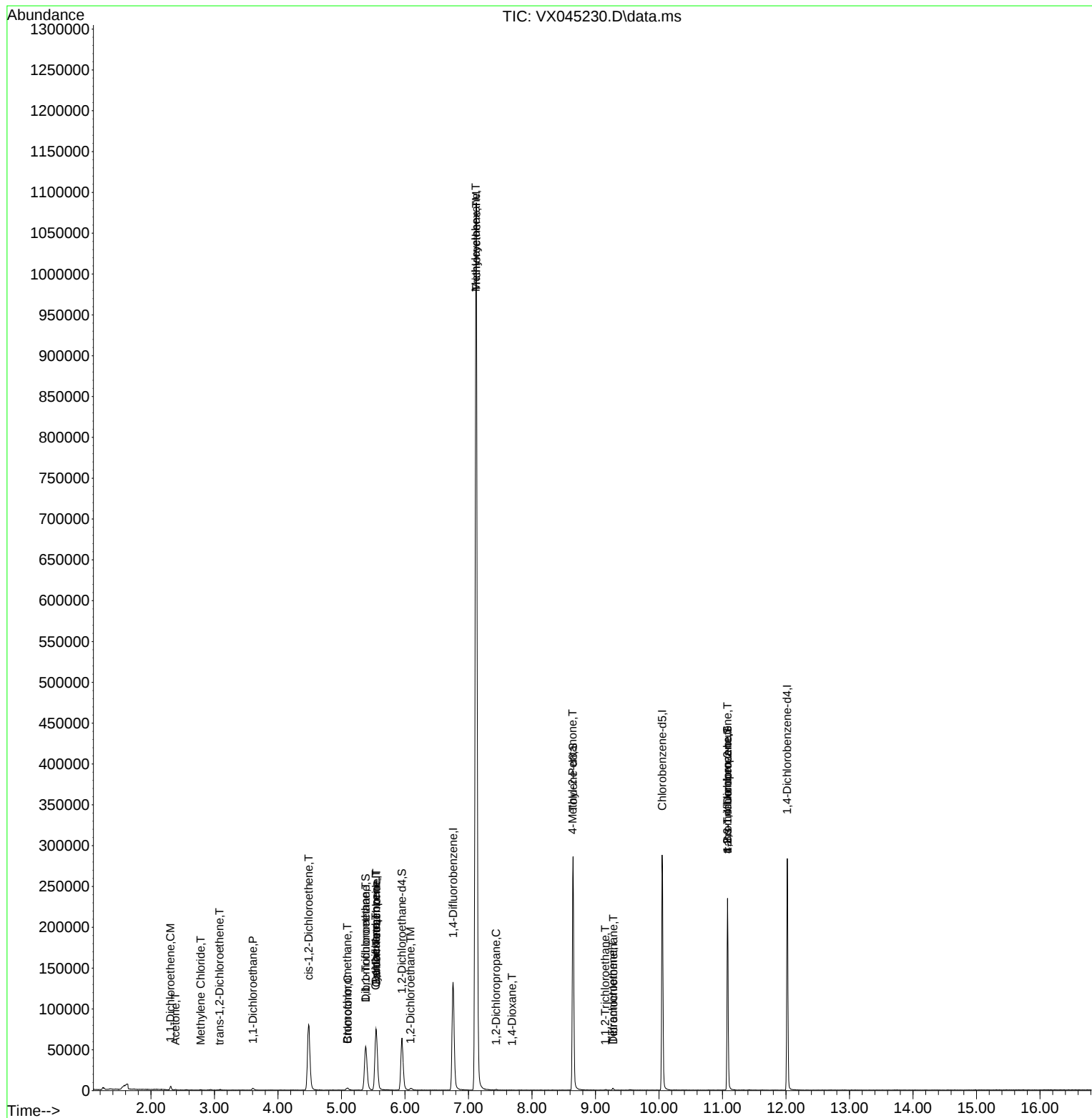
Internal Standards						
1) Pentafluorobenzene	5.544	168	68480	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58163	53.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.800%	
35) Dibromofluoromethane	5.379	113	46770	52.250	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.500%	
50) Toluene-d8	8.647	98	166263	51.235	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.460%	
62) 4-Bromofluorobenzene	11.079	95	59299	55.145	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 110.280%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.307	96	1494	1.775	ug/l	87
16) Acetone	2.386	43	832	1.646	ug/l #	85
20) Methylene Chloride	2.782	84	239	0.239	ug/l #	84
21) trans-1,2-Dichloroethene	3.081	96	303	0.364	ug/l #	85
24) 1,1-Dichloroethane	3.605	63	2822	1.653	ug/l #	94
27) cis-1,2-Dichloroethene	4.483	96	49010	47.757	ug/l	95
28) Bromochloromethane	5.093	49	263	0.323	ug/l #	17
30) Chloroform	5.099	83	3108	1.832	ug/l	95
31) Cyclohexane	5.538	56	1787	1.206	ug/l #	12
32) 1,1,1-Trichloroethane	5.379	97	557	0.407	ug/l #	47
36) 1,1-Dichloropropene	5.544	75	6334	5.160	ug/l #	46
38) Carbon Tetrachloride	5.550	117	7314	5.869	ug/l #	15
39) Methylcyclohexane	7.117	83	5290	3.596	ug/l #	1
42) 1,2-Dichloroethane	6.086	62	2436	1.745	ug/l	85
44) Trichloroethene	7.123	130	396610	435.736	ug/l	99
45) 1,2-Dichloropropane	7.434	63	370	0.371	ug/l #	44
49) 1,4-Dioxane	7.684	88	131	5.292	ug/l #	38
51) 4-Methyl-2-Pentanone	8.641	43	883	0.562	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	266	0.284	ug/l #	83
60) Dibromochloromethane	9.281	129	428	0.437	ug/l #	11
64) Tetrachloroethene	9.275	164	471	0.594	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	32445	25.902	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32445	88.642	ug/l #	6

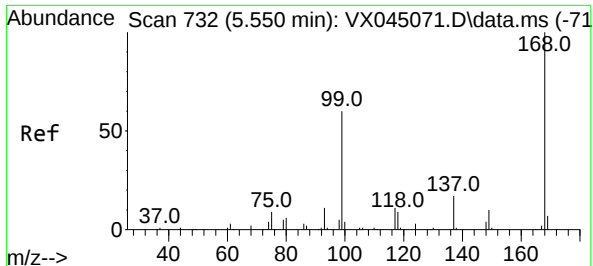
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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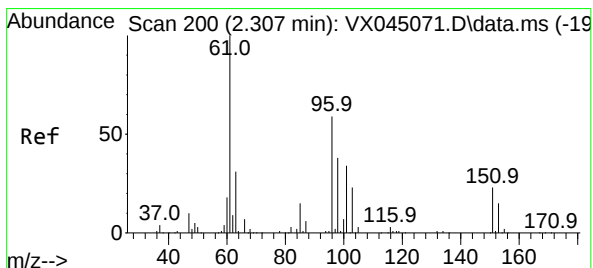
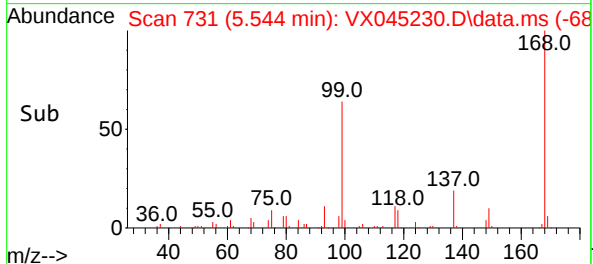
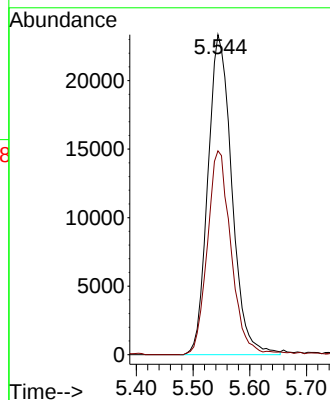
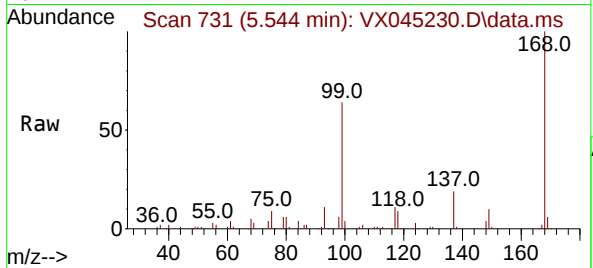




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

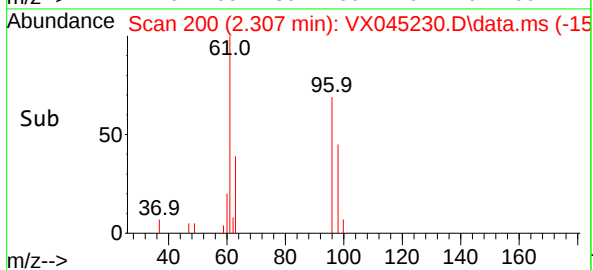
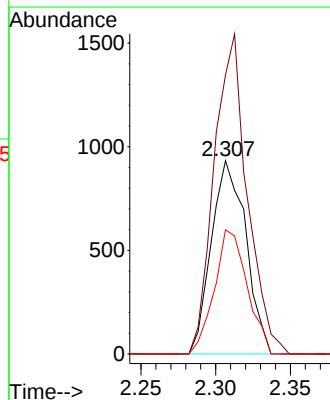
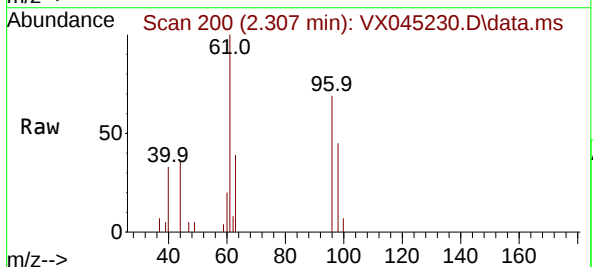
Instrument :
MSVOA_X
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RE104D2-20250307

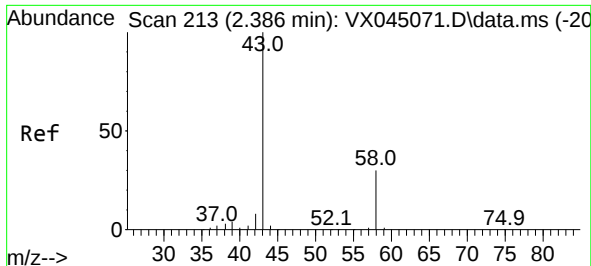
Tgt Ion:168 Resp: 68480
Ion Ratio Lower Upper
168 100
99 63.7 48.2 72.4



#12
1,1-Dichloroethene
Concen: 1.775 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 96 Resp: 1494
Ion Ratio Lower Upper
96 100
61 144.3 134.6 202.0
98 64.2 51.0 76.6

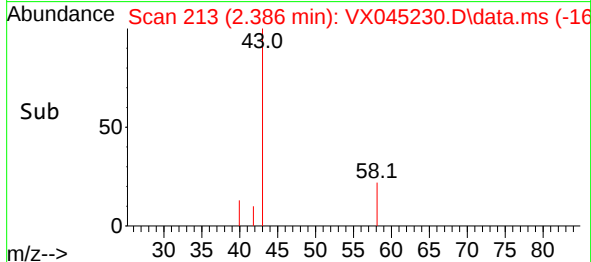
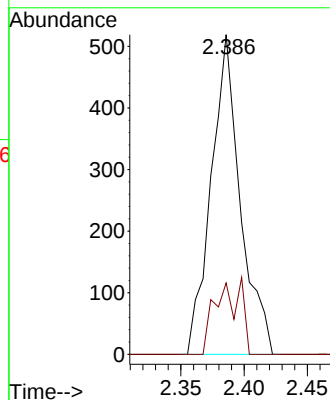
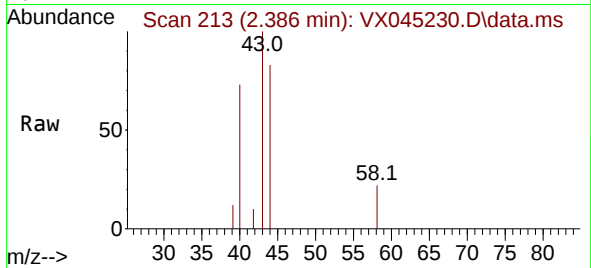




#16
Acetone
Concen: 1.646 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

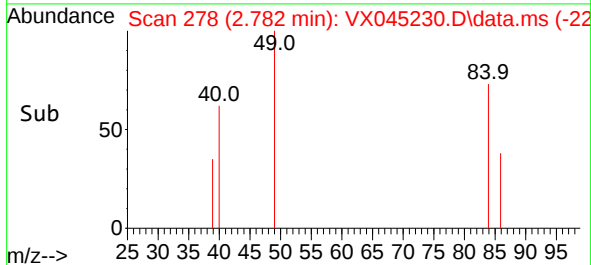
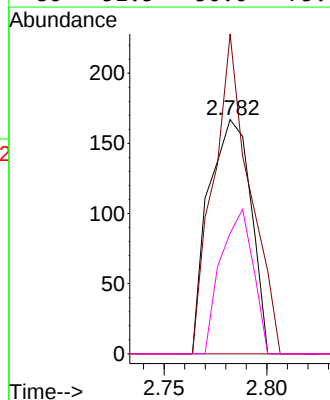
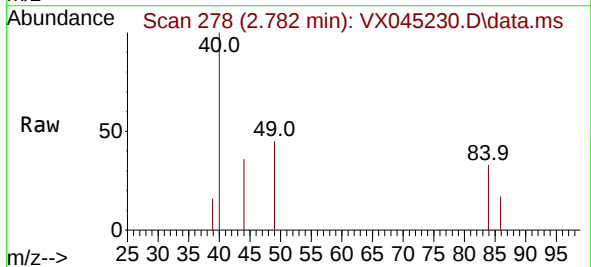
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

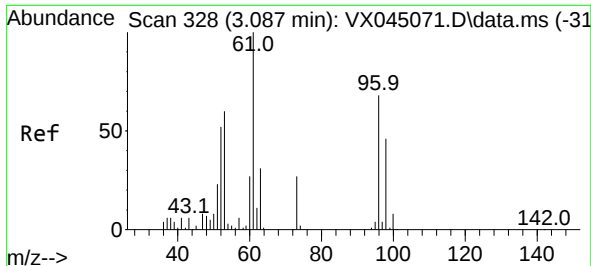
Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
58 22.4 24.2 36.4#



#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 84 Resp: 239
Ion Ratio Lower Upper
84 100
49 136.5 106.5 159.7
51 0.0 32.1 48.1#
86 51.5 50.0 75.0

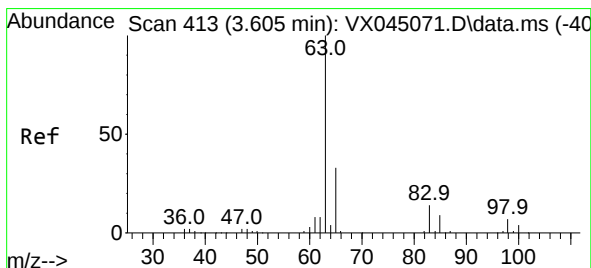
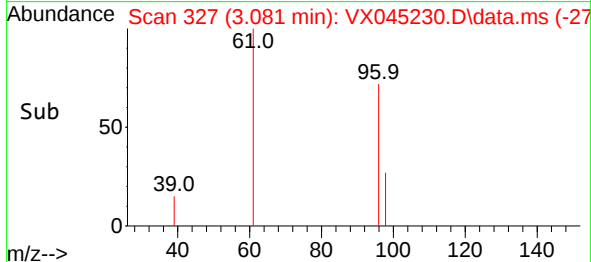
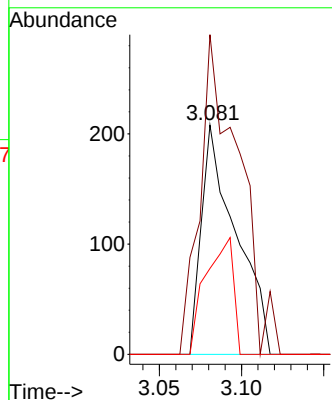
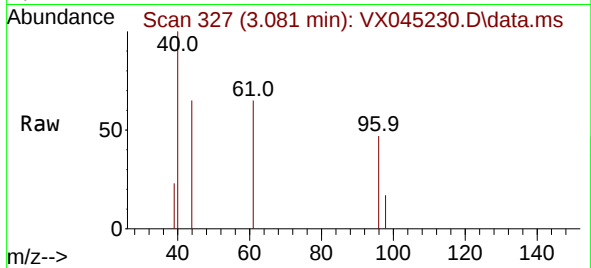




#21
trans-1,2-Dichloroethene
Concen: 0.364 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

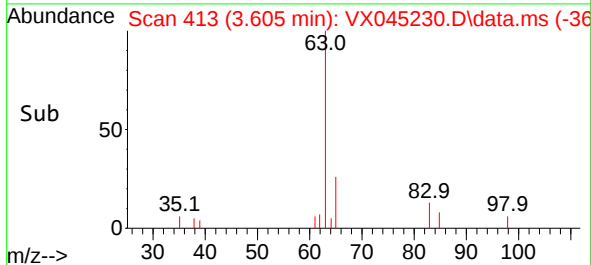
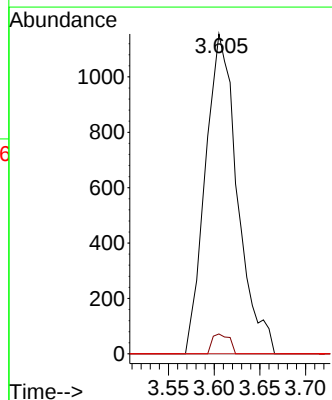
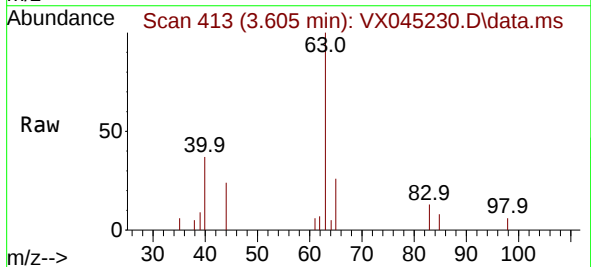
Instrument :
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ClientSampleId :
RE104D2-20250307

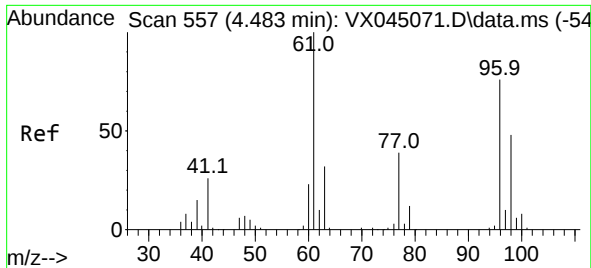
Tgt Ion: 96 Resp: 303
Ion Ratio Lower Upper
96 100
61 139.4 117.0 175.4
98 37.5 53.4 80.2#



#24
1,1-Dichloroethane
Concen: 1.653 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 63 Resp: 2822
Ion Ratio Lower Upper
63 100
98 6.2 3.4 10.2
100 0.0 2.1 6.5#

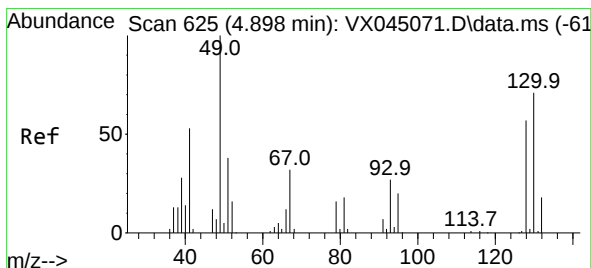
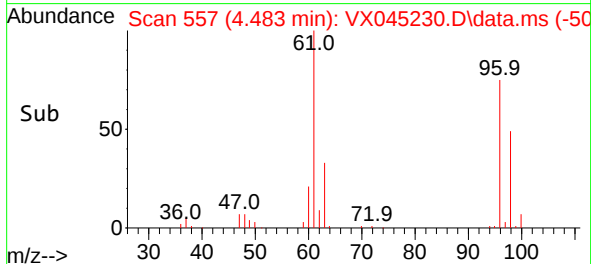
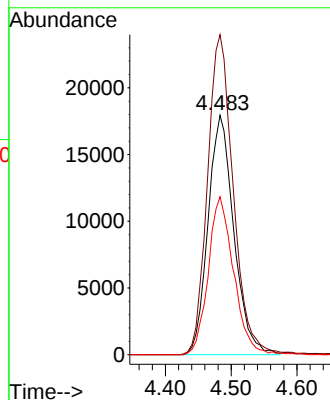
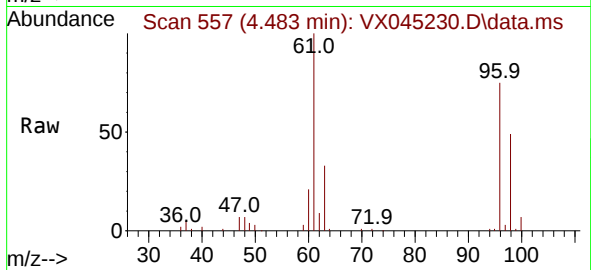




#27
 cis-1,2-Dichloroethene
 Concen: 47.757 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX045230.D
 Acq: 11 Mar 2025 17:29

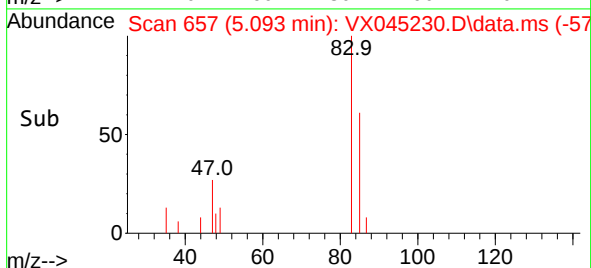
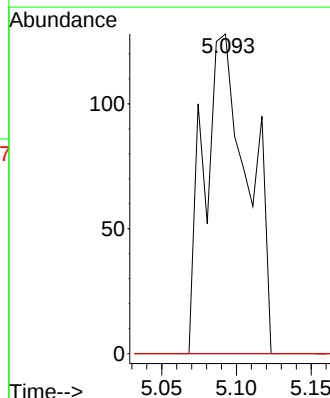
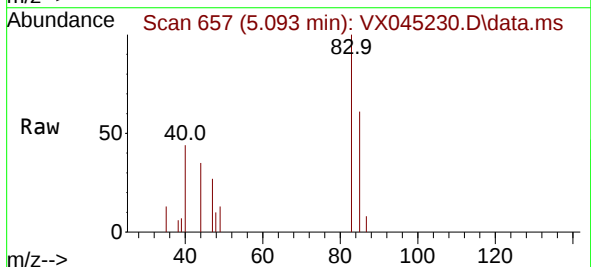
Instrument :
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 ClientSampleId :
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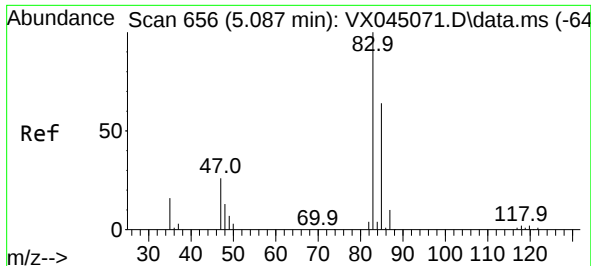
Tgt Ion:	96	Resp:	49010
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	283.2
98	65.0	0.0	128.0



#28
 Bromochloromethane
 Concen: 0.323 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. 0.195 min
 Lab File: VX045230.D
 Acq: 11 Mar 2025 17:29

Tgt Ion:	49	Resp:	263
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	0.0	56.1	84.1#

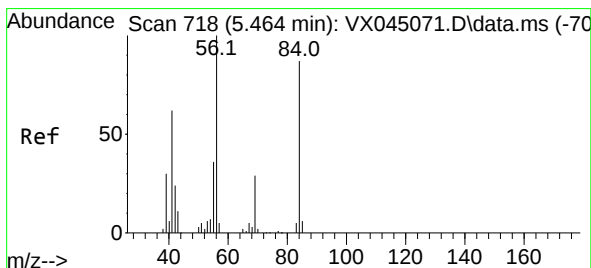
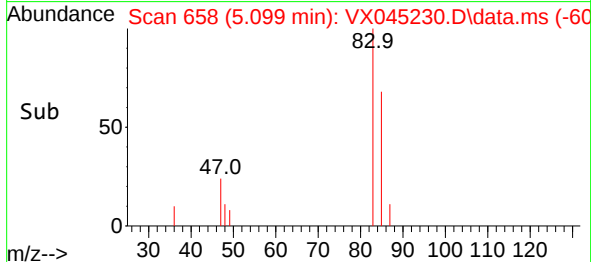
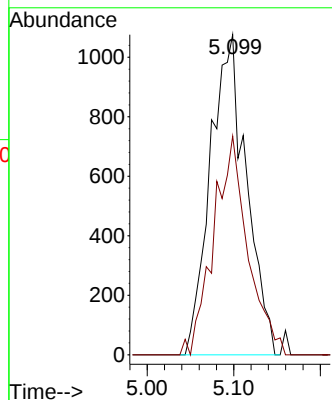
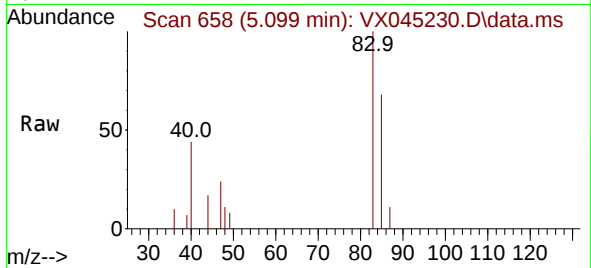




#30
Chloroform
Concen: 1.832 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

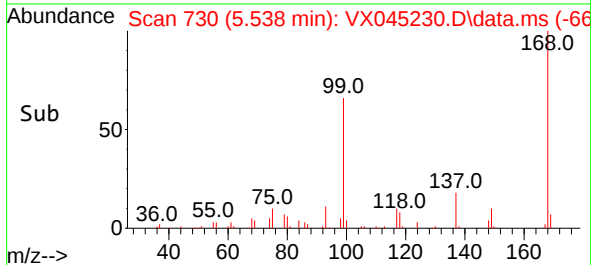
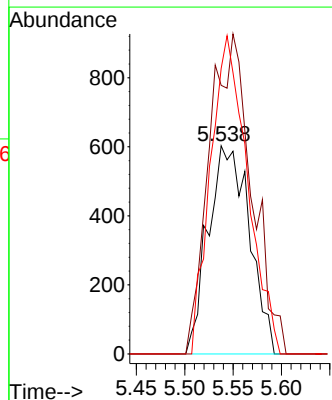
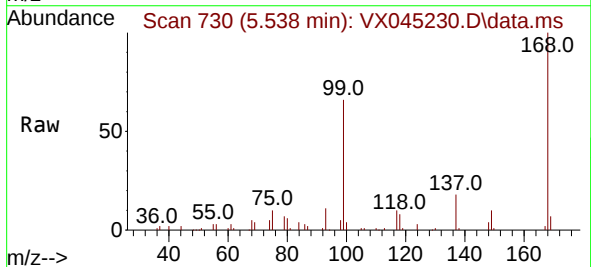
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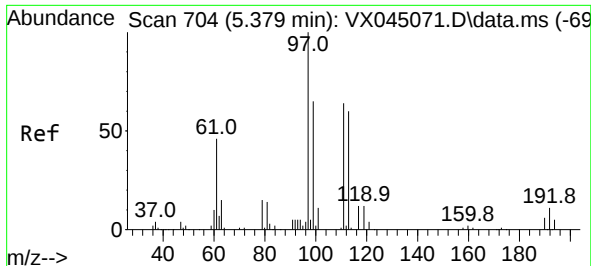
Tgt Ion: 83 Resp: 3108
Ion Ratio Lower Upper
83 100
85 68.3 51.4 77.2



#31
Cyclohexane
Concen: 1.206 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 56 Resp: 1787
Ion Ratio Lower Upper
56 100
69 129.0 23.4 35.2#
84 137.1 69.4 104.2#

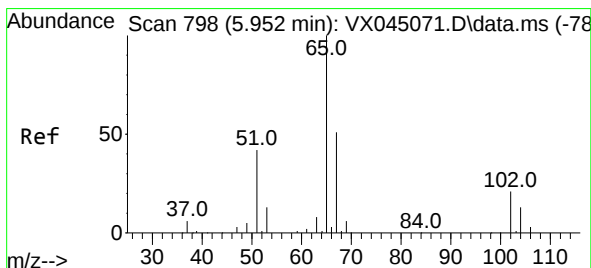
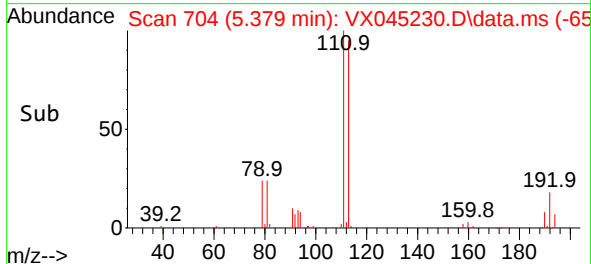
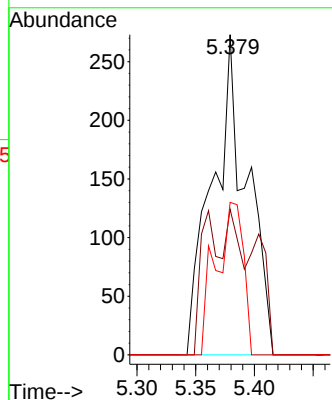
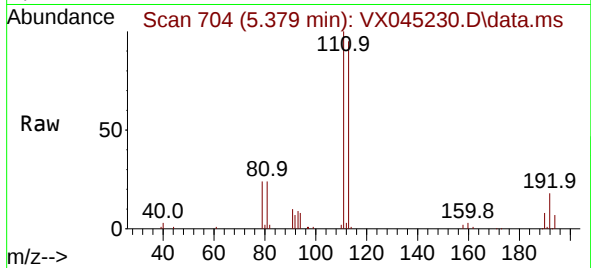




#32
1,1,1-Trichloroethane
Concen: 0.407 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

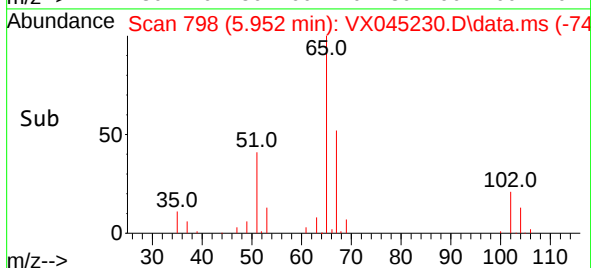
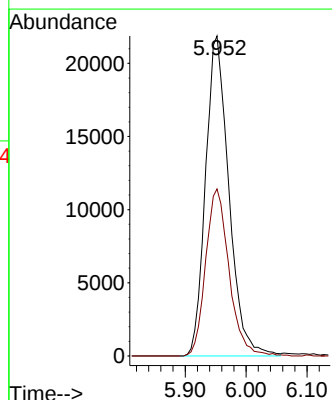
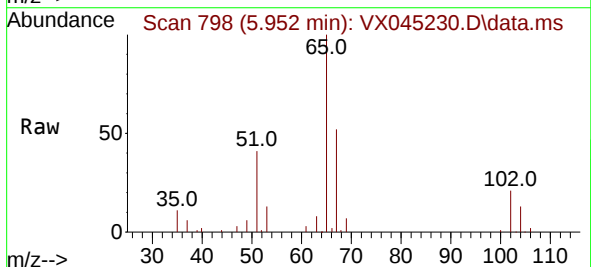
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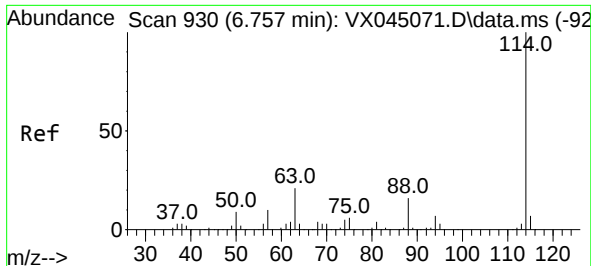
Tgt Ion: 97 Resp: 557
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 37.9 38.4 57.6#



#33
1,2-Dichloroethane-d4
Concen: 53.396 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 65 Resp: 58163
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2

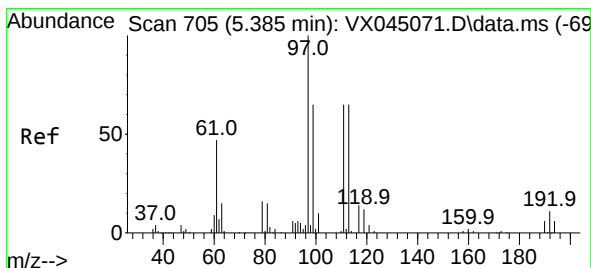
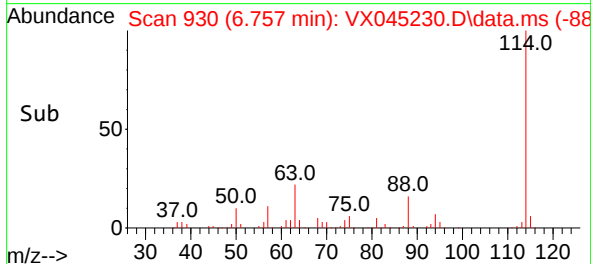
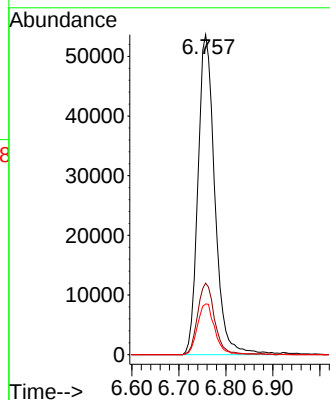
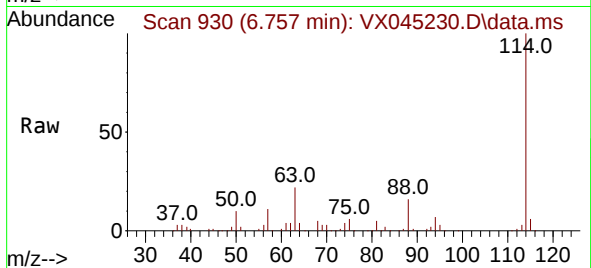




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

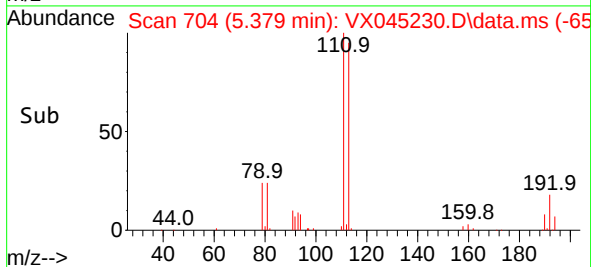
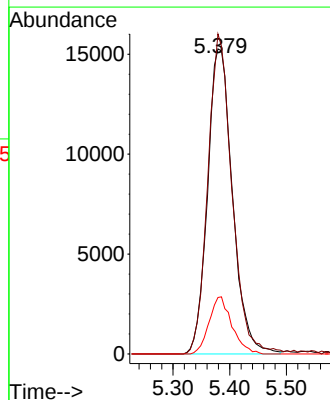
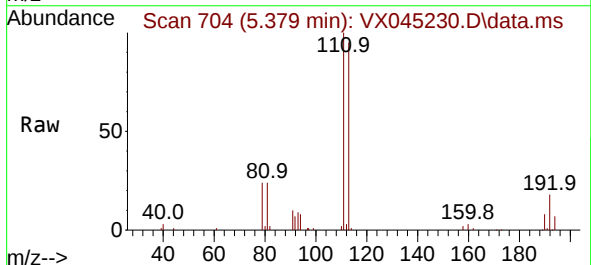
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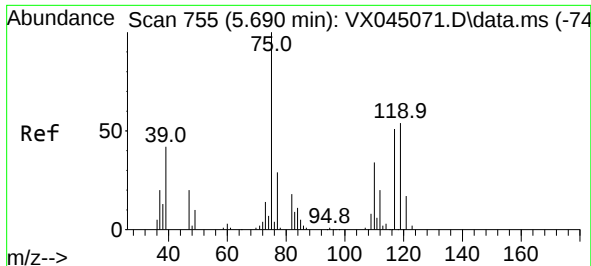
Tgt Ion:	114	Resp:	133865
Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	41.8
88	15.9	0.0	32.8



#35
Dibromofluoromethane
Concen: 52.250 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion:	113	Resp:	46770
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.8	122.6
192	17.1	14.3	21.5





#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045230.D

Acq: 11 Mar 2025 17:29

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20250307

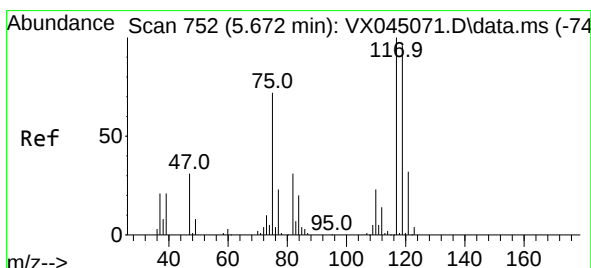
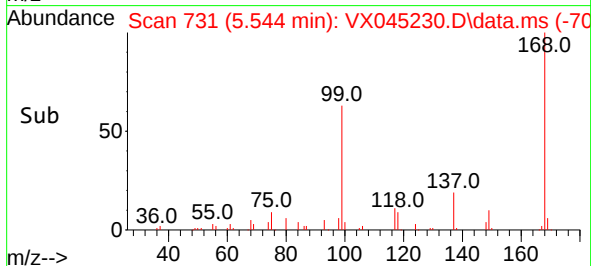
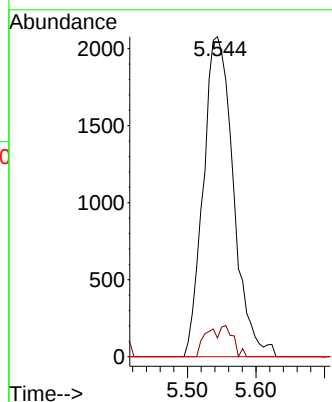
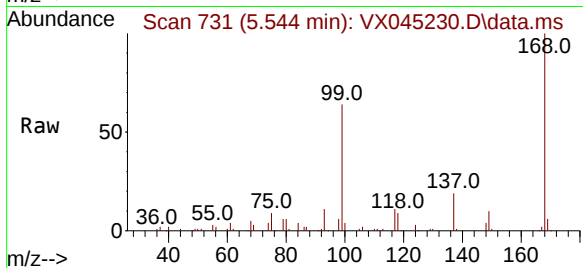
Tgt Ion: 75 Resp: 6334

Ion Ratio Lower Upper

75 100

110 4.2 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.869 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045230.D

Acq: 11 Mar 2025 17:29

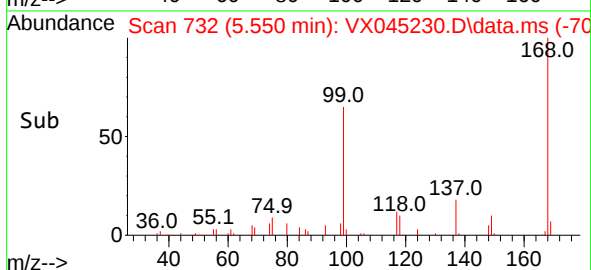
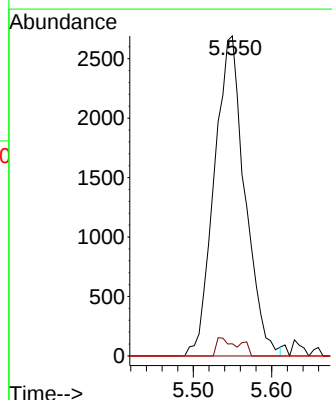
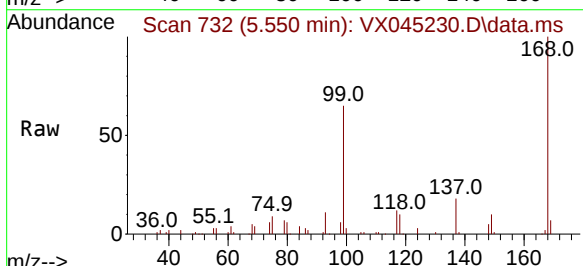
Tgt Ion: 117 Resp: 7314

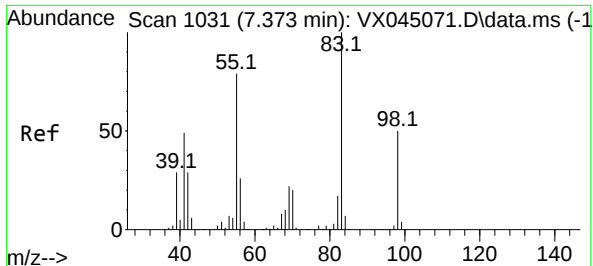
Ion Ratio Lower Upper

117 100

119 3.8 76.7 115.1#

121 0.0 25.5 38.3#

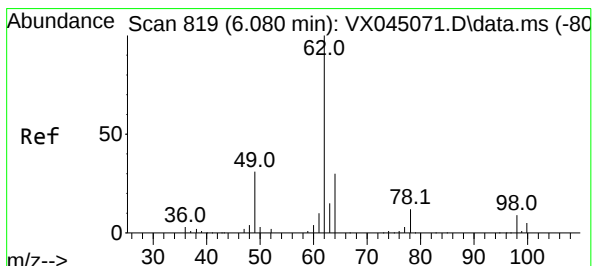
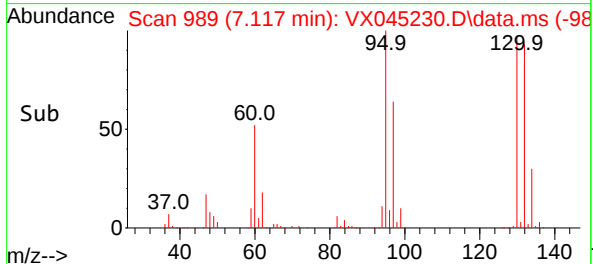
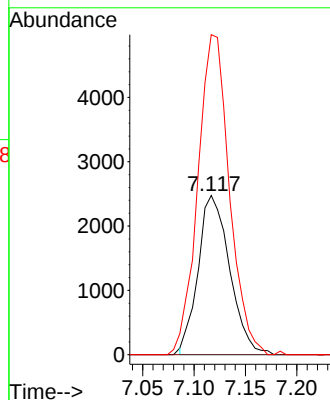
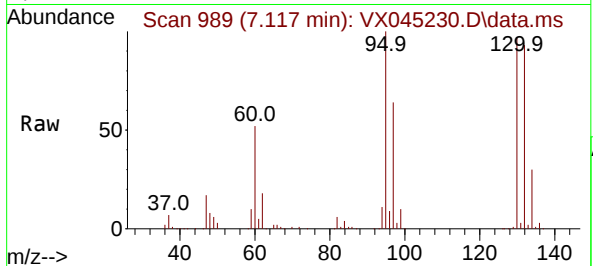




#39
Methylcyclohexane
Concen: 3.596 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

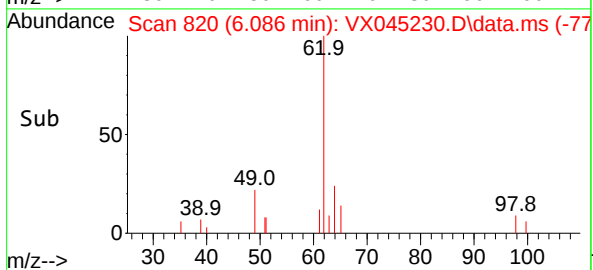
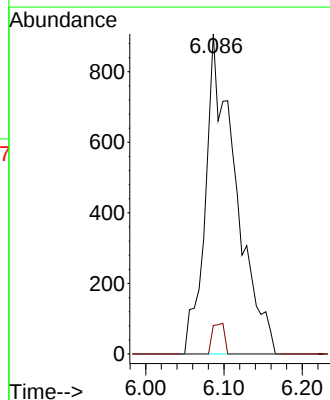
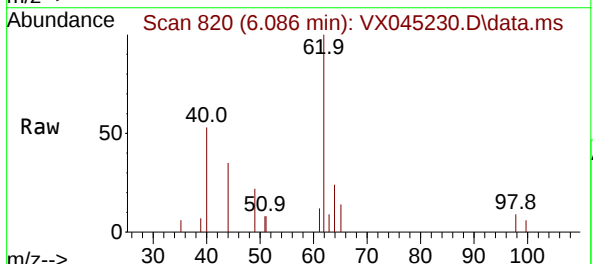
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

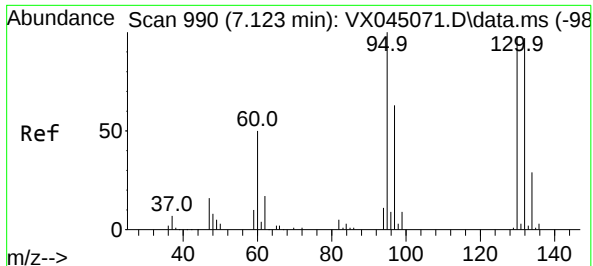
Tgt Ion: 83 Resp: 5290
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 198.8 39.7 59.5#



#42
1,2-Dichloroethane
Concen: 1.745 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 62 Resp: 2436
Ion Ratio Lower Upper
62 100
98 3.8 0.0 18.2

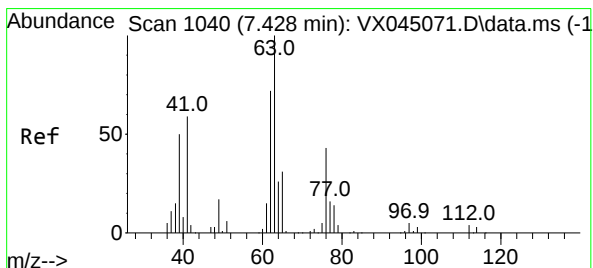
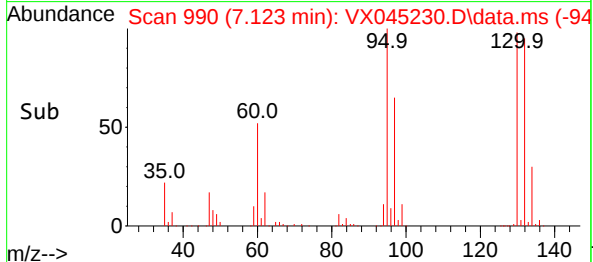
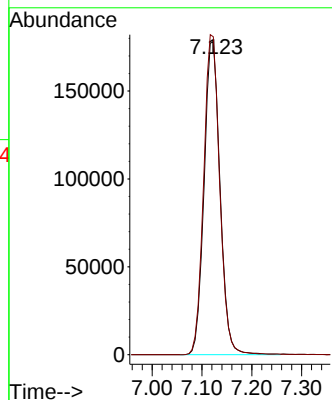
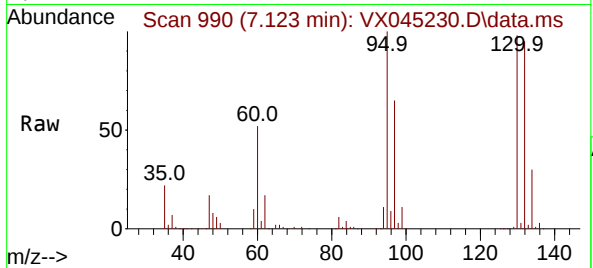




#44
Trichloroethene
Concen: 435.736 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

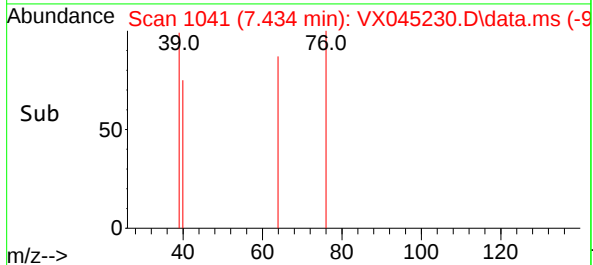
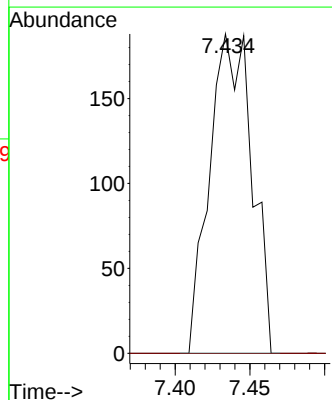
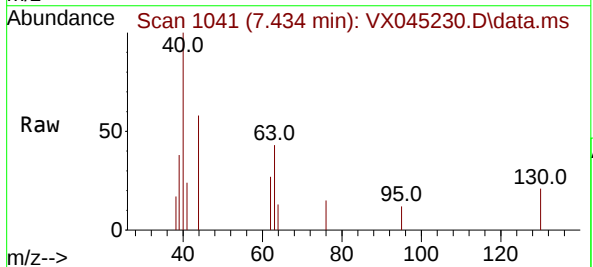
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

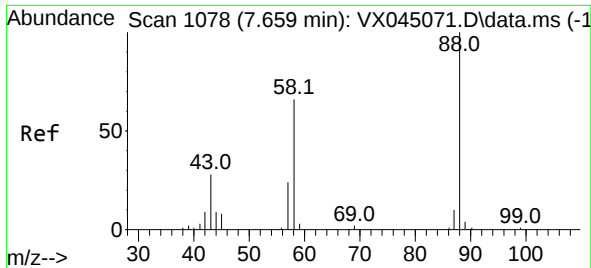
Tgt Ion:130 Resp: 396610
Ion Ratio Lower Upper
130 100
95 101.6 0.0 205.0



#45
1,2-Dichloropropane
Concen: 0.371 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 63 Resp: 370
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

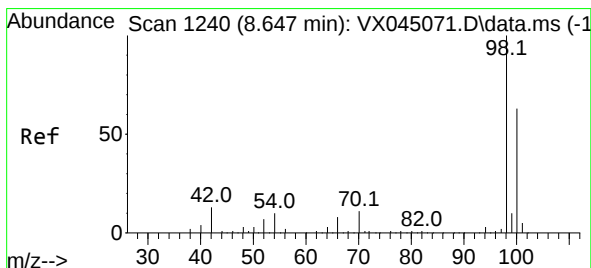
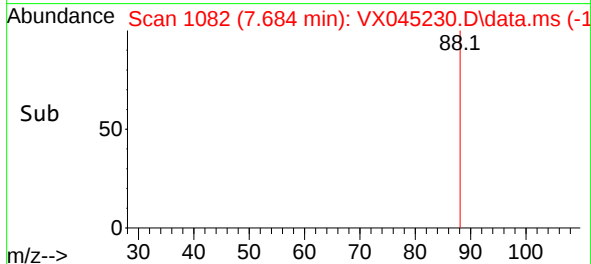
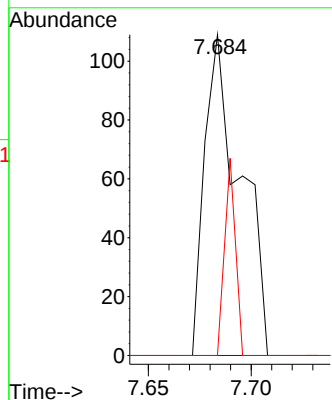
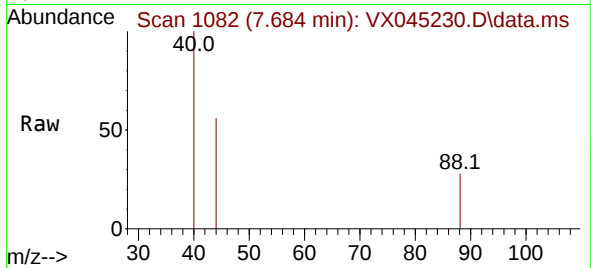




#49
1,4-Dioxane
Concen: 5.292 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

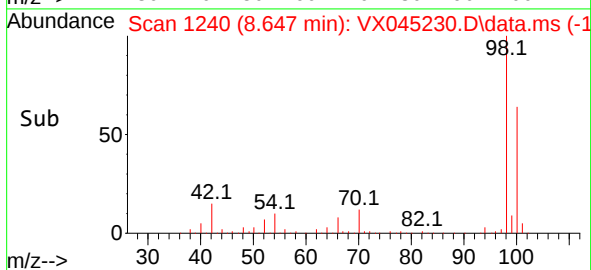
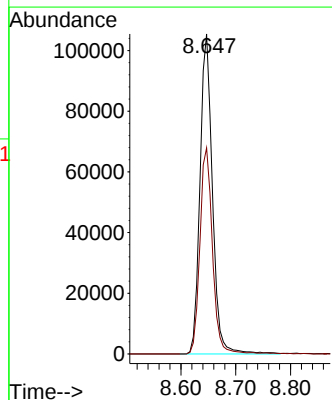
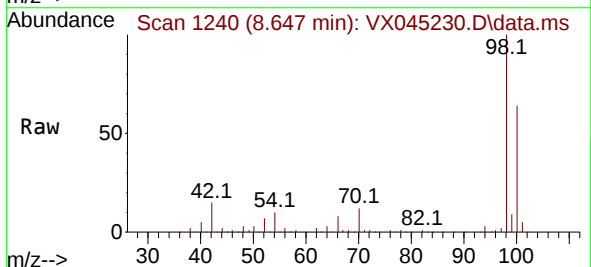
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

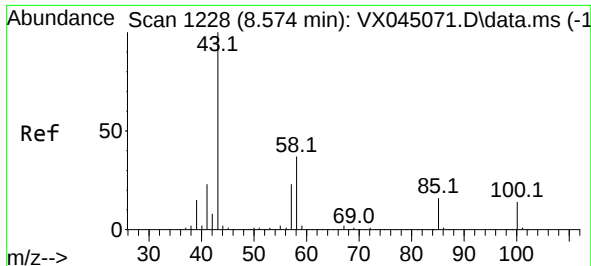
Tgt Ion: 88 Resp: 131
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 19.1 55.8 83.8#



#50
Toluene-d8
Concen: 51.235 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 98 Resp: 166263
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0

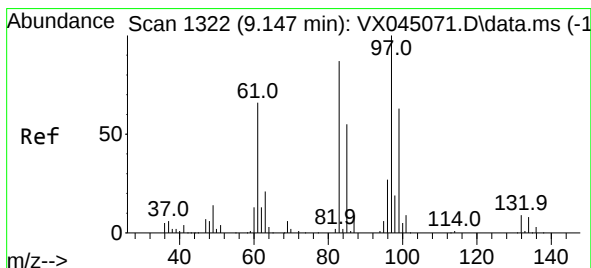
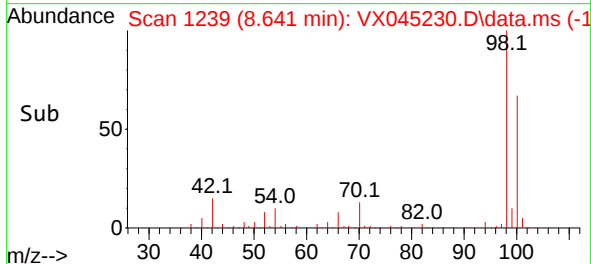
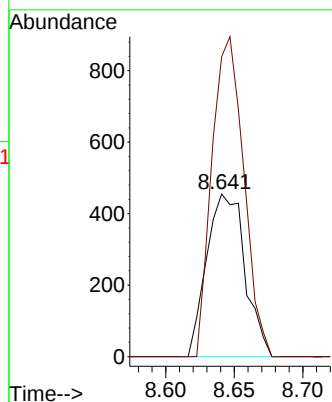
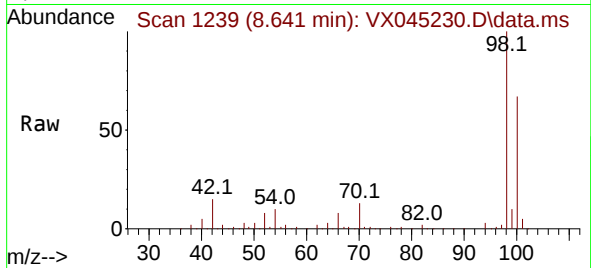




#51
4-Methyl-2-Pentanone
Concen: 0.562 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

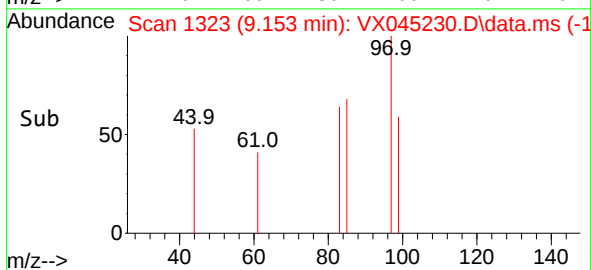
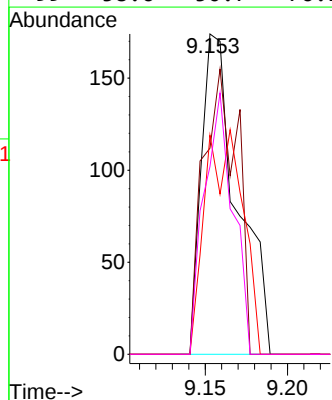
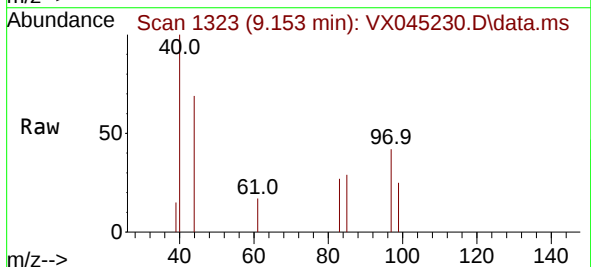
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

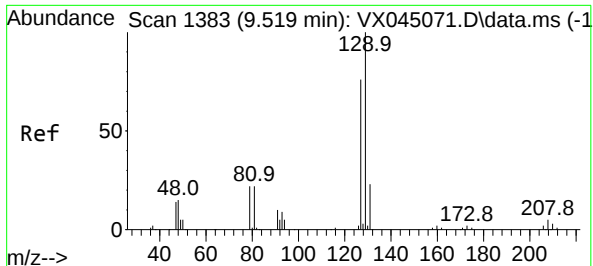
Tgt Ion: 43 Resp: 883
Ion Ratio Lower Upper
43 100
58 164.0 29.2 43.8#



#55
1,1,2-Trichloroethane
Concen: 0.284 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 97 Resp: 266
Ion Ratio Lower Upper
97 100
83 64.4 69.4 104.2#
85 68.4 44.1 66.1#
99 58.6 50.7 76.1

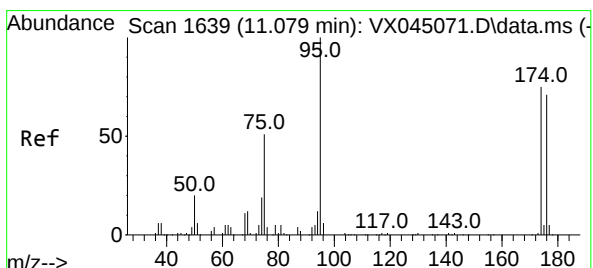
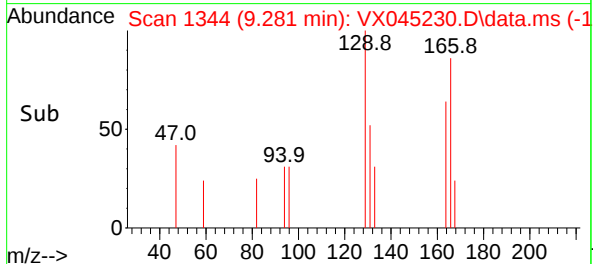
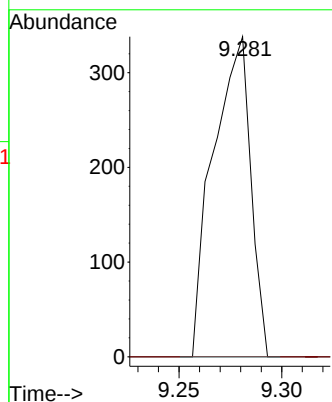
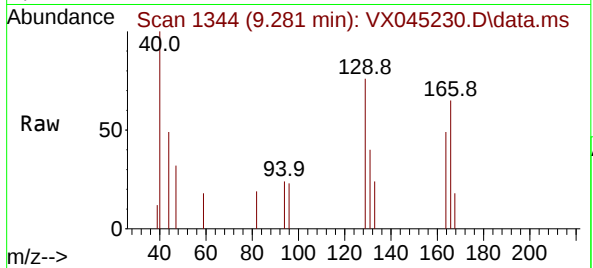




#60
Dibromochloromethane
Concen: 0.437 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

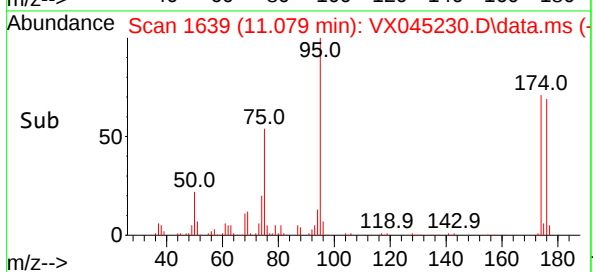
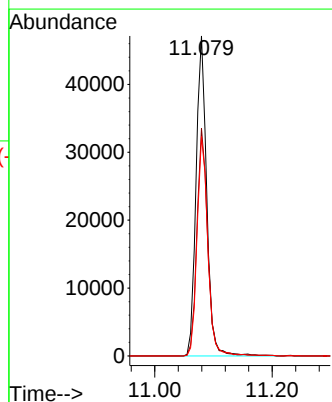
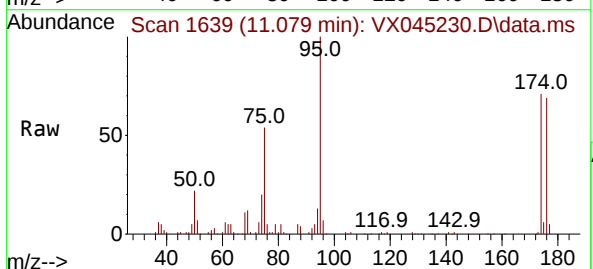
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

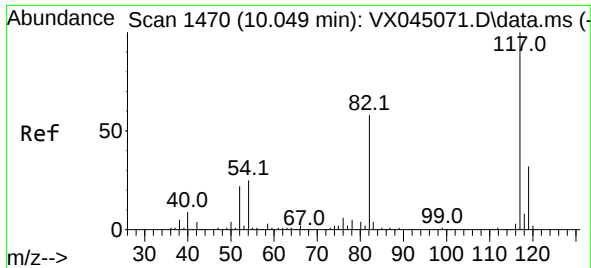
Tgt Ion:129 Resp: 428
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 55.145 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion: 95 Resp: 59299
Ion Ratio Lower Upper
95 100
174 71.4 0.0 148.2
176 69.3 0.0 141.4

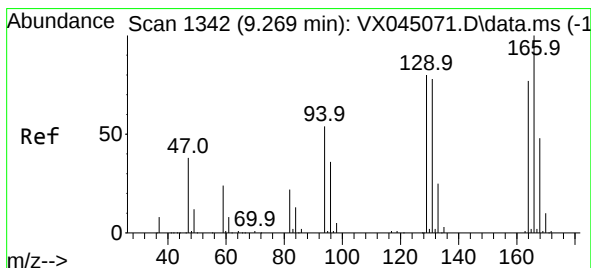
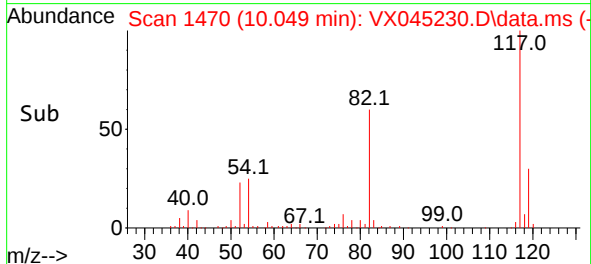
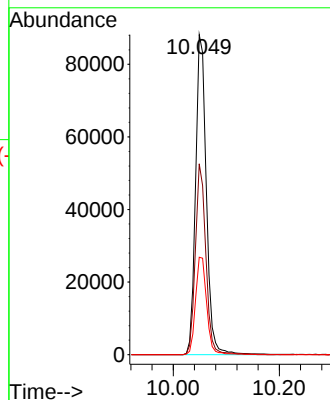
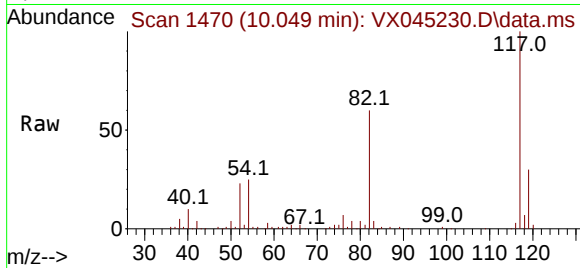




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

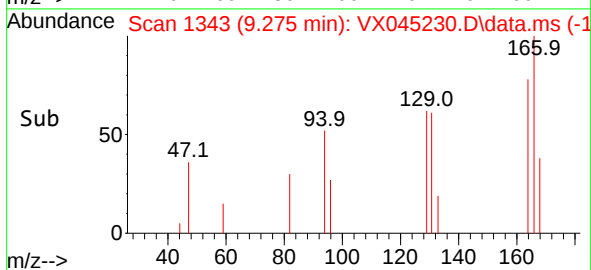
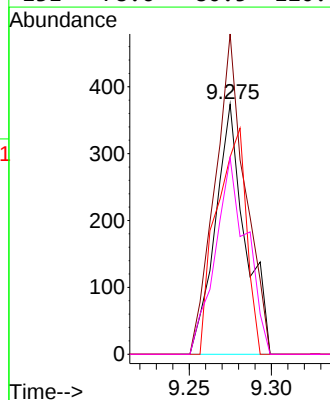
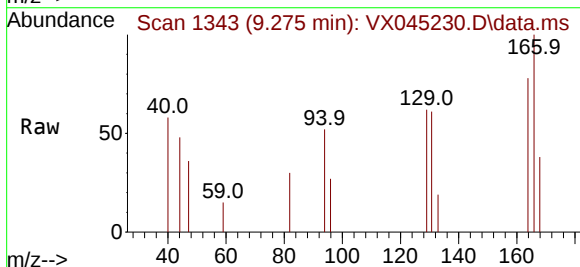
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20250307

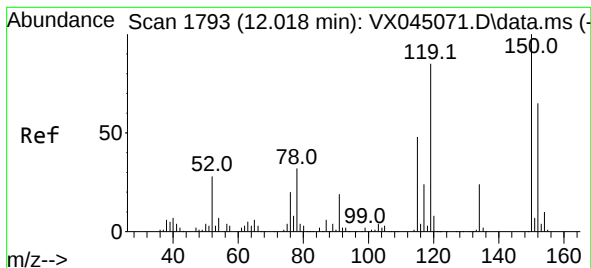
Tgt Ion:117 Resp: 123884
Ion Ratio Lower Upper
117 100
82 59.7 46.3 69.5
119 30.5 25.7 38.5



#64
Tetrachloroethene
Concen: 0.594 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045230.D
Acq: 11 Mar 2025 17:29

Tgt Ion:164 Resp: 471
Ion Ratio Lower Upper
164 100
166 128.1 103.6 155.4
129 78.9 82.7 124.1#
131 78.6 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: VX045230.D

Acq: 11 Mar 2025 17:29

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20250307

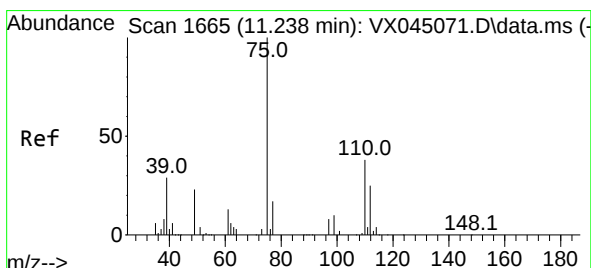
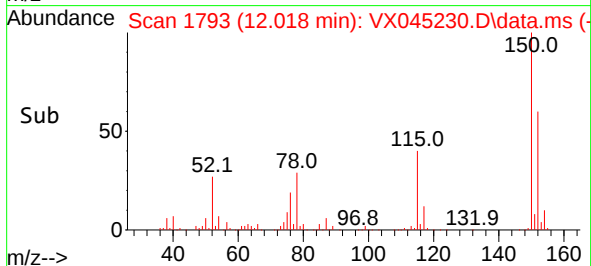
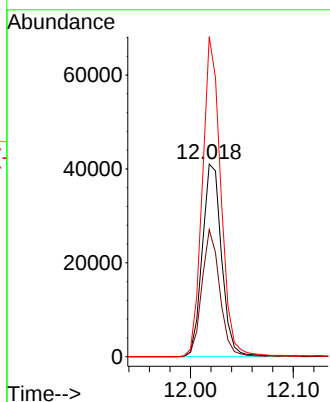
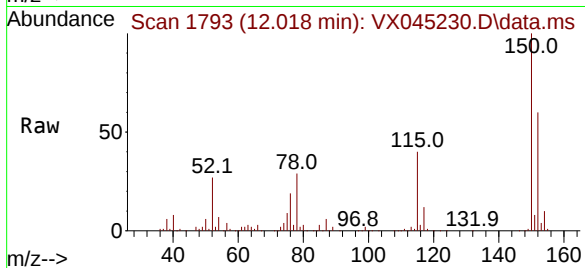
Tgt Ion:152 Resp: 53817

Ion Ratio Lower Upper

152 100

115 61.4 44.2 132.6

150 158.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.902 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX045230.D

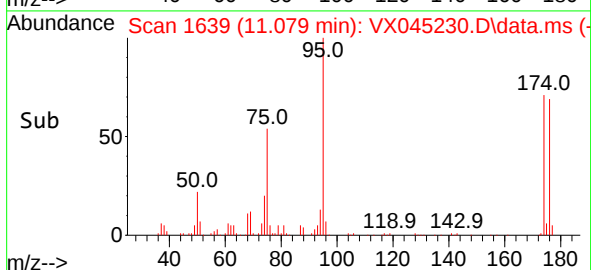
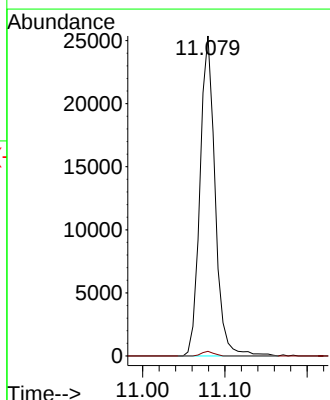
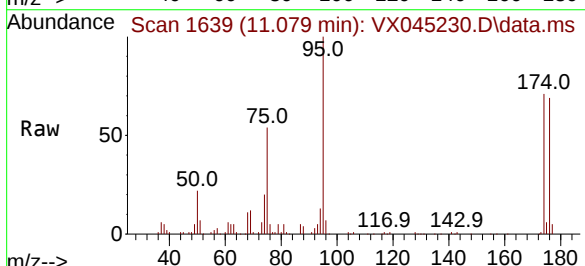
Acq: 11 Mar 2025 17:29

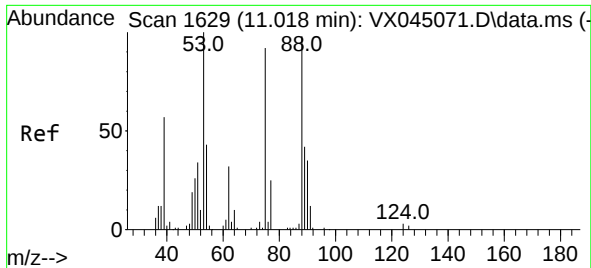
Tgt Ion: 75 Resp: 32445

Ion Ratio Lower Upper

75 100

77 1.2 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.642 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045230.D
 Acq: 11 Mar 2025 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20250307

Tgt Ion: 75 Resp: 32445
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

