

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045416.D
 Acq On : 24 Mar 2025 15:41
 Operator : JC/MD
 Sample : Q1608-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20250318

Quant Time: Mar 25 01:35:43 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

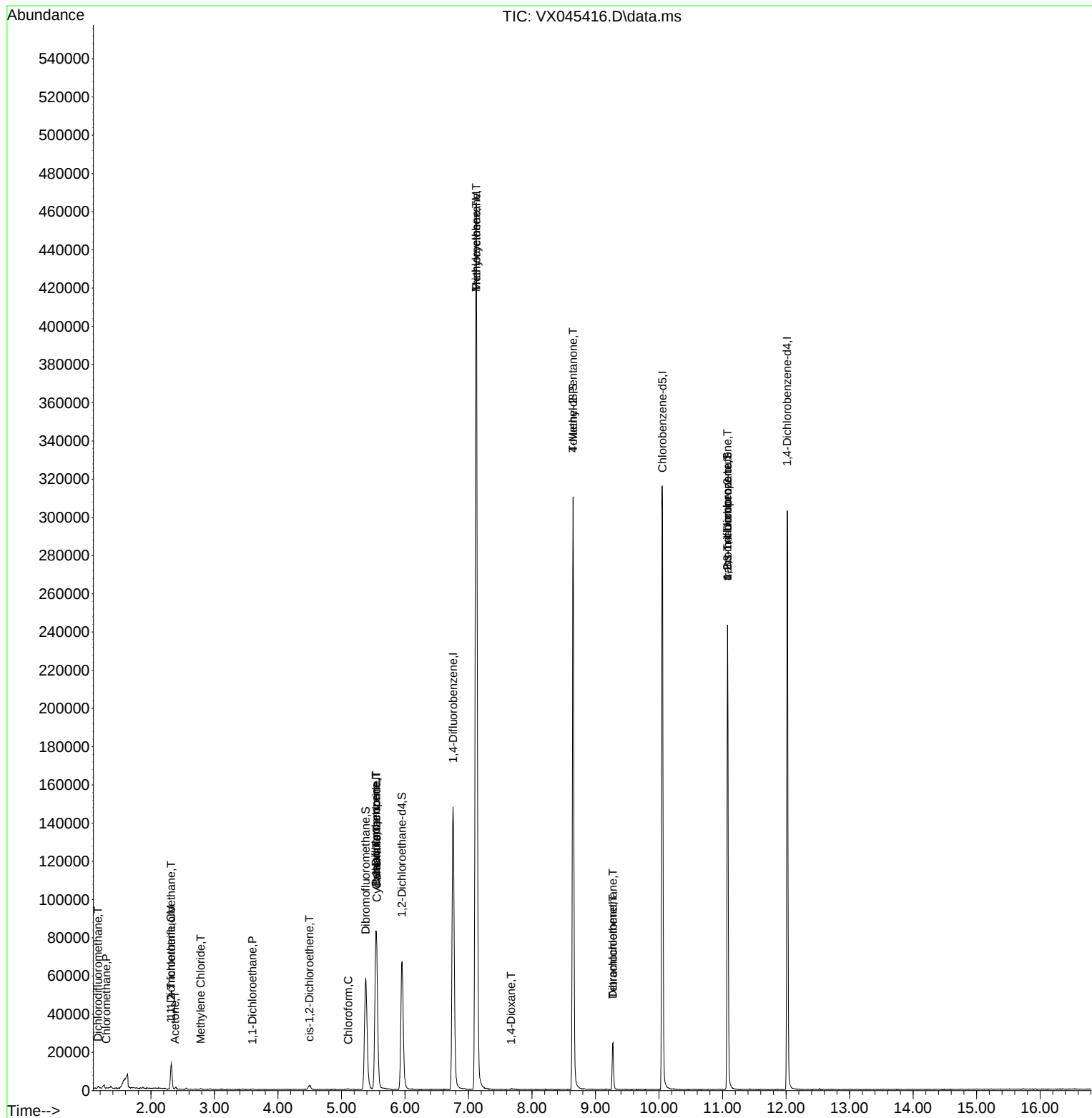
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	74803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	145079	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	132750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66210	55.646	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.300%
35) Dibromofluoromethane	5.379	113	50696	52.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.520%
50) Toluene-d8	8.646	98	175327	49.852	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.700%
62) 4-Bromofluorobenzene	11.079	95	61643	52.893	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.780%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	535	0.568	ug/l	71
3) Chloromethane	1.294	50	283	0.246	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.318	101	4519	5.198	ug/l	97
12) 1,1-Dichloroethene	2.312	96	654	0.712	ug/l	89
16) Acetone	2.379	43	880	1.594	ug/l	96
20) Methylene Chloride	2.782	84	224	0.205	ug/l #	84
24) 1,1-Dichloroethane	3.599	63	454	0.243	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	1579	1.409	ug/l	86
30) Chloroform	5.104	83	529	0.285	ug/l #	53
31) Cyclohexane	5.556	56	2295	1.418	ug/l #	47
36) 1,1-Dichloropropene	5.543	75	7607	5.718	ug/l #	50
38) Carbon Tetrachloride	5.549	117	8466	6.268	ug/l #	18
39) Methylcyclohexane	7.122	83	2398	1.504	ug/l #	1
44) Trichloroethene	7.122	130	169741	172.071	ug/l	96
49) 1,4-Dioxane	7.671	88	390	14.538	ug/l #	79
51) 4-Methyl-2-Pentanone	8.646	43	964	0.566	ug/l #	1
60) Dibromochloromethane	9.274	129	4482	4.224	ug/l #	11
64) Tetrachloroethene	9.274	164	4149	4.880	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	35151	27.598	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35151	94.445	ug/l #	6

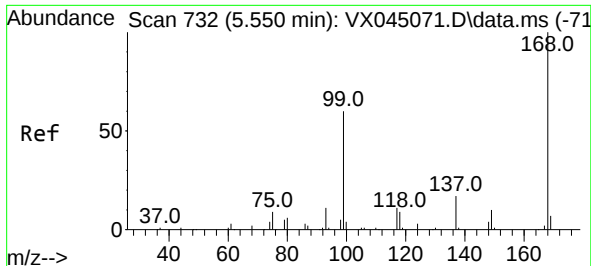
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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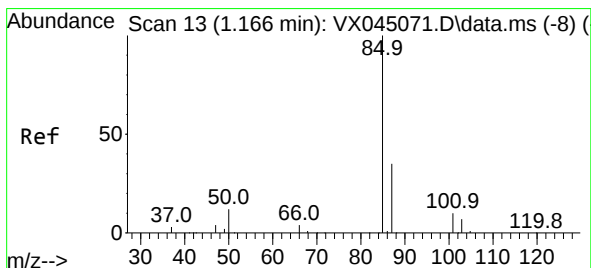
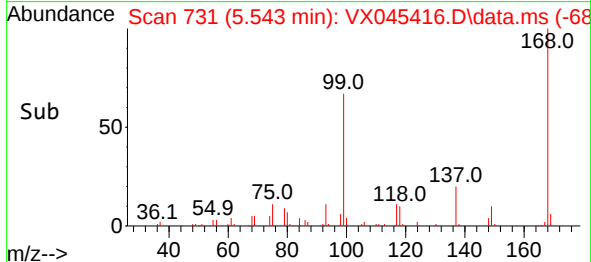
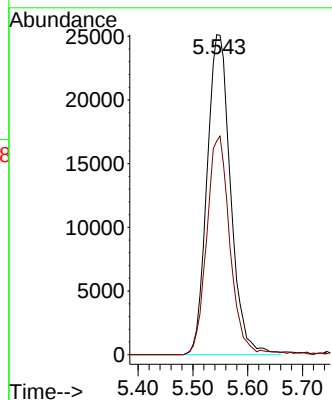
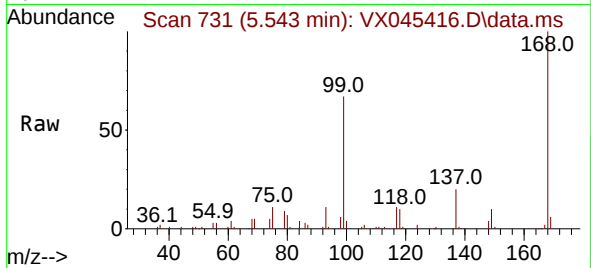




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

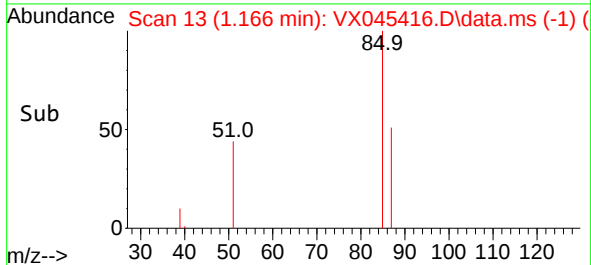
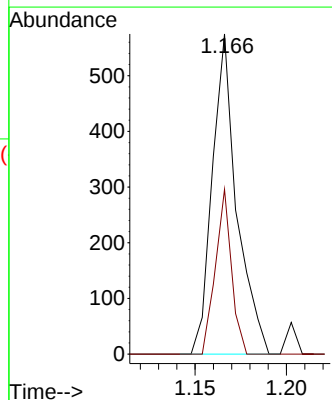
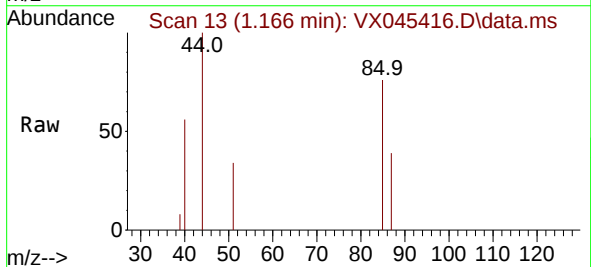
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

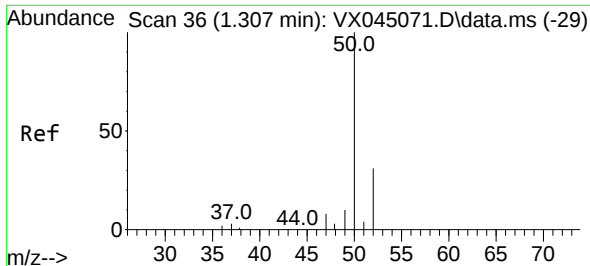
Tgt Ion:168 Resp: 74803
Ion Ratio Lower Upper
168 100
99 66.8 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.568 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 85 Resp: 535
Ion Ratio Lower Upper
85 100
87 51.5 17.4 52.3

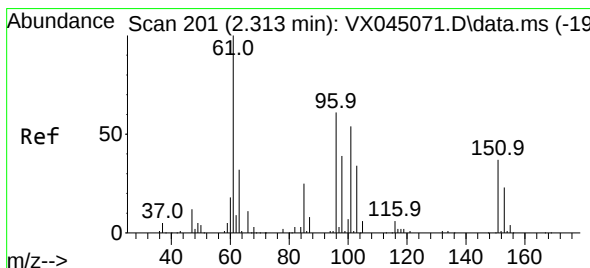
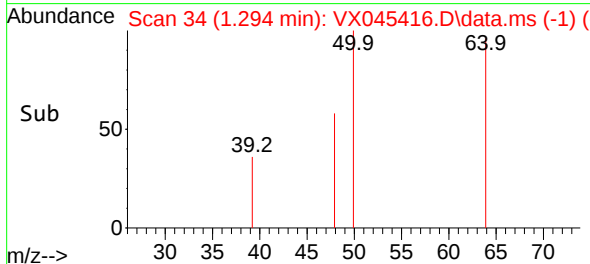
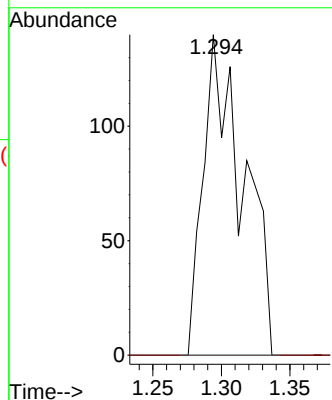
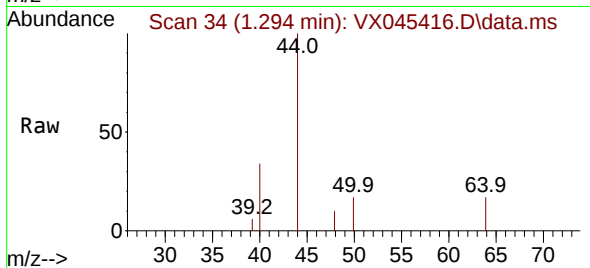




#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.013 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

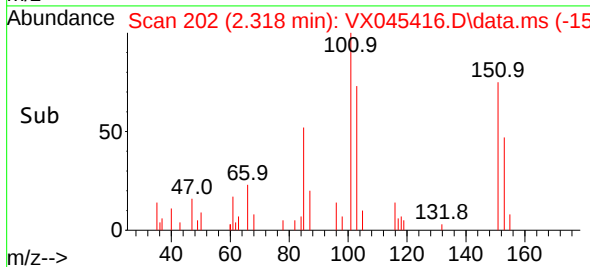
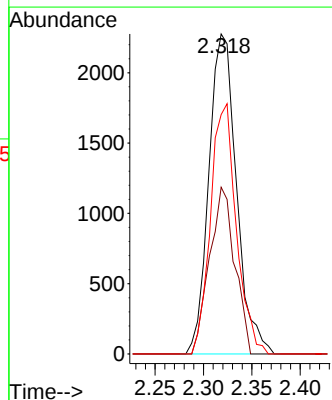
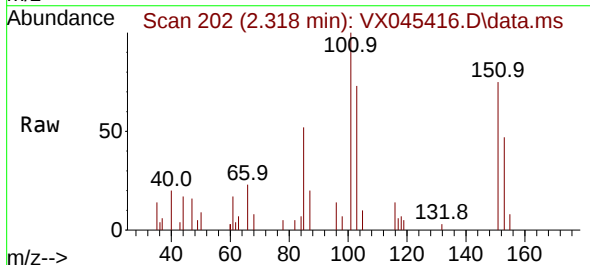
Instrument :
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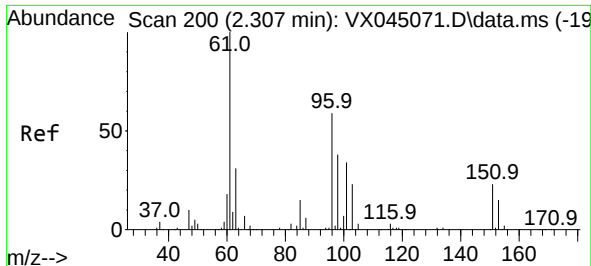
Tgt Ion: 50 Resp: 283
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.198 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

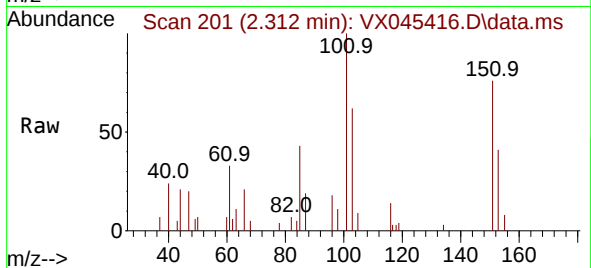
Tgt Ion: 101 Resp: 4519
Ion Ratio Lower Upper
101 100
85 47.6 36.2 54.4
151 73.1 56.4 84.6





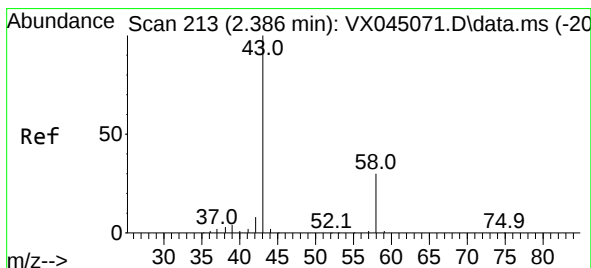
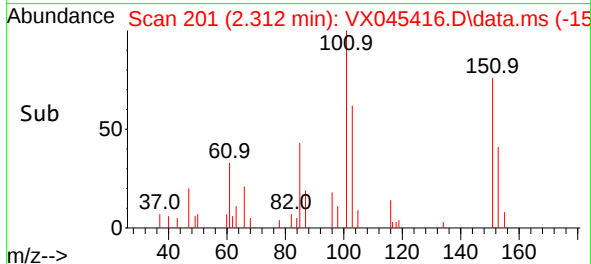
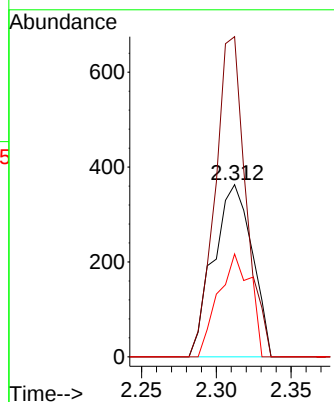
#12
1,1-Dichloroethene
Concen: 0.712 ug/l
RT: 2.312 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318



Tgt Ion: 96 Resp: 654

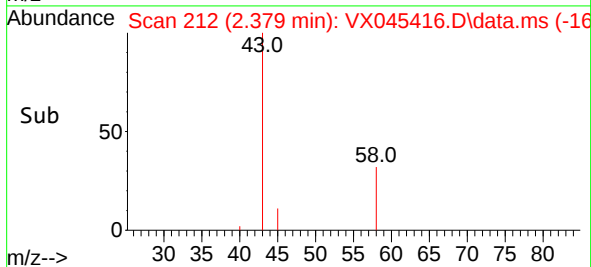
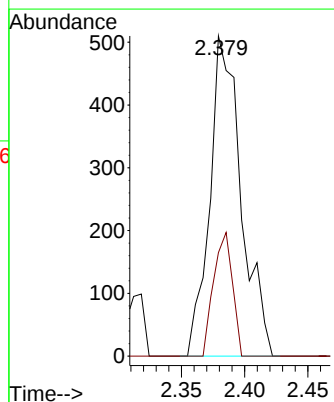
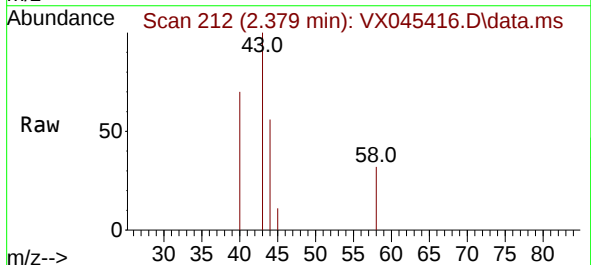
Ion	Ratio	Lower	Upper
96	100		
61	186.0	134.6	202.0
98	59.8	51.0	76.6

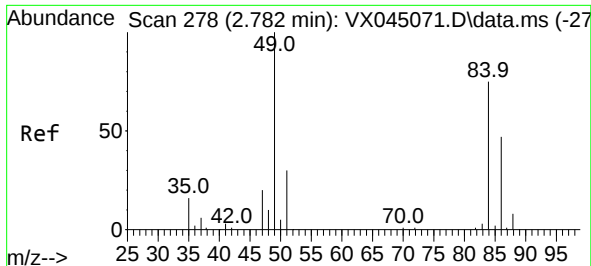


#16
Acetone
Concen: 1.594 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.007 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 43 Resp: 880

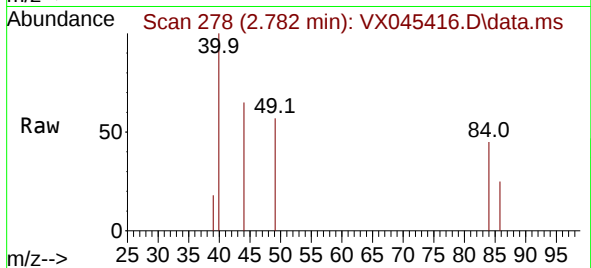
Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.2	36.4



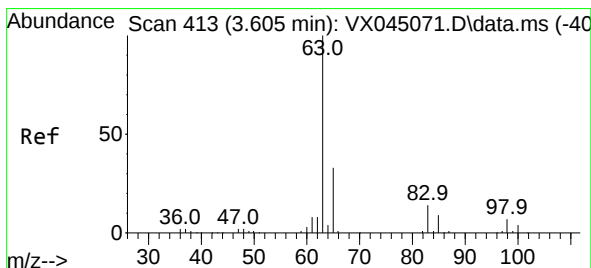
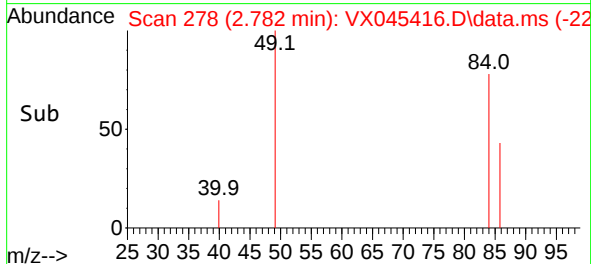
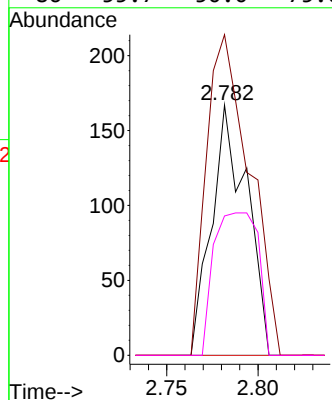


#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

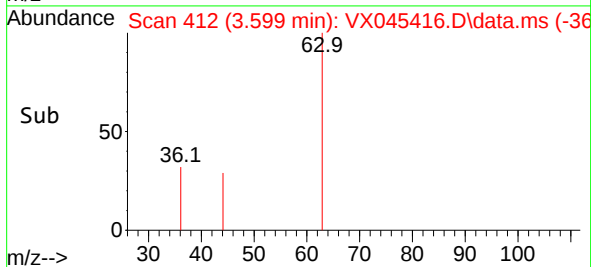
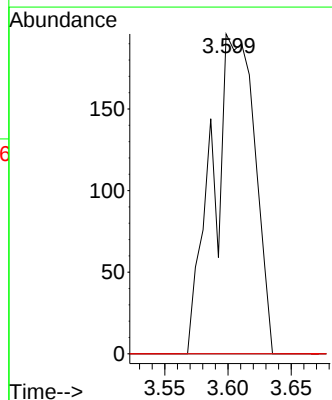
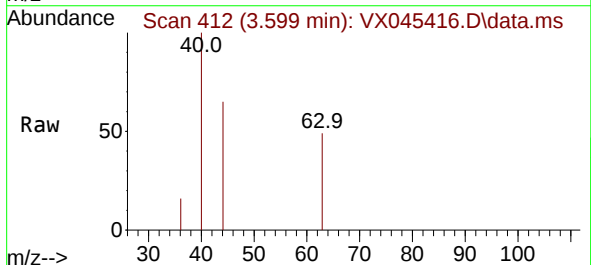


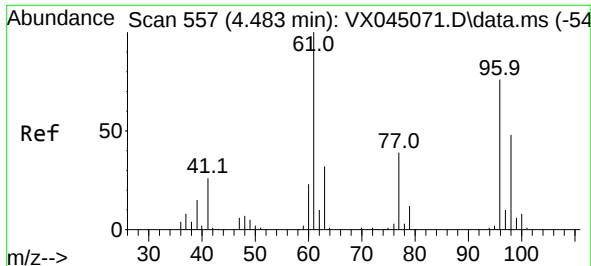
Tgt Ion:	84	Resp:	224
Ion	Ratio	Lower	Upper
84	100		
49	128.1	106.5	159.7
51	0.0	32.1	48.1#
86	55.7	50.0	75.0



#24
1,1-Dichloroethane
Concen: 0.243 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion:	63	Resp:	454
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#

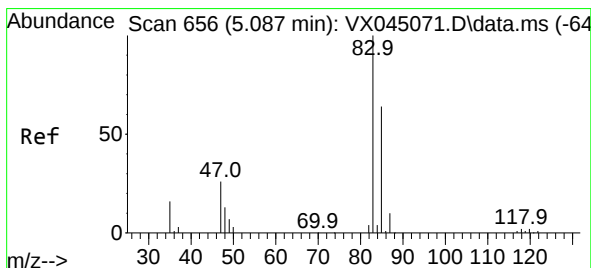
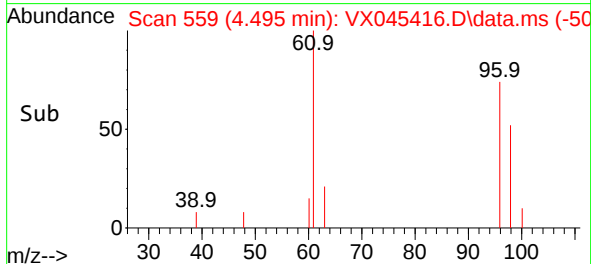
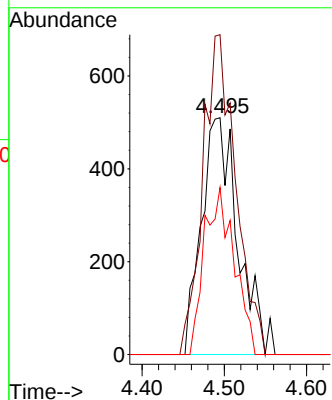
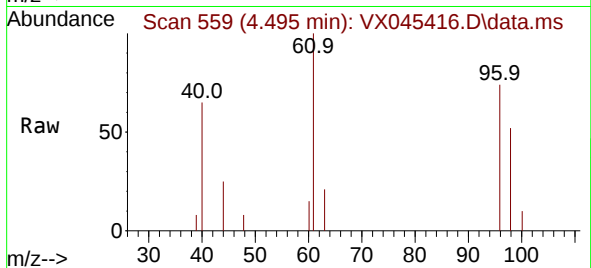




#27
 cis-1,2-Dichloroethene
 Concen: 1.409 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX045416.D
 Acq: 24 Mar 2025 15:41

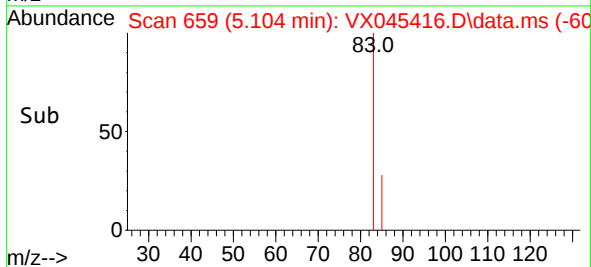
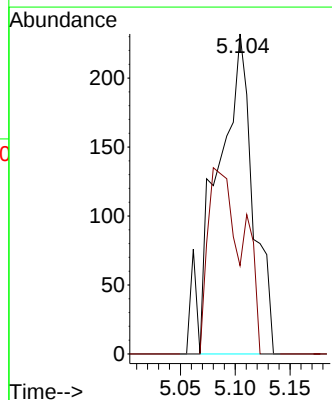
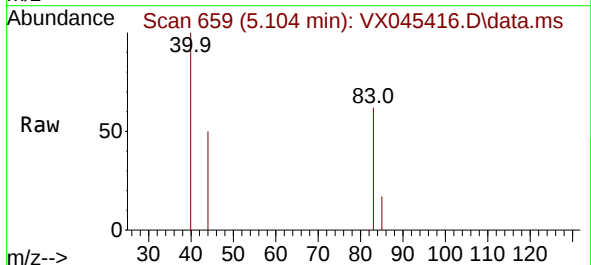
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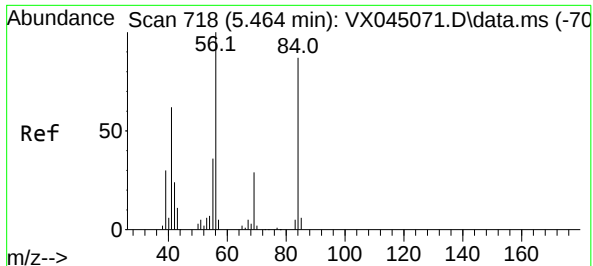
Tgt Ion: 96 Resp: 1579
 Ion Ratio Lower Upper
 96 100
 61 121.2 0.0 283.2
 98 57.6 0.0 128.0



#30
 Chloroform
 Concen: 0.285 ug/l
 RT: 5.104 min Scan# 659
 Delta R.T. 0.018 min
 Lab File: VX045416.D
 Acq: 24 Mar 2025 15:41

Tgt Ion: 83 Resp: 529
 Ion Ratio Lower Upper
 83 100
 85 27.6 51.4 77.2#

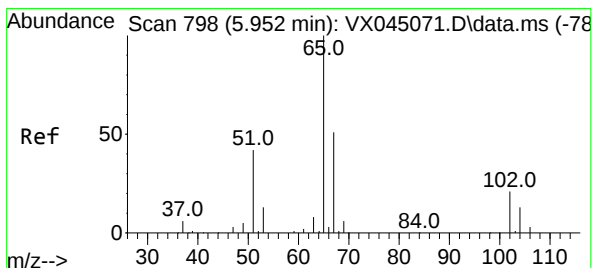
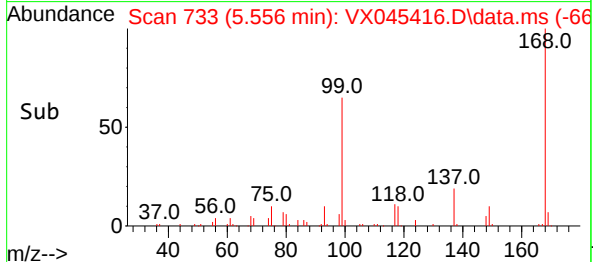
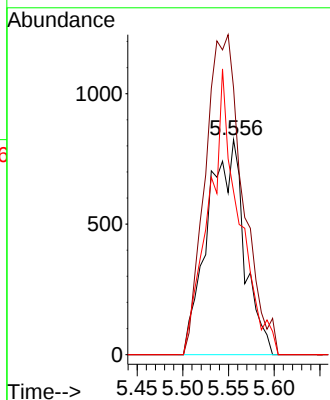
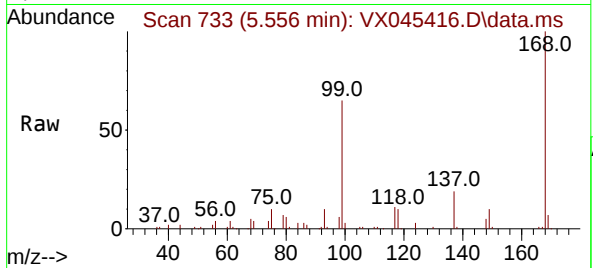




#31
Cyclohexane
Concen: 1.418 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

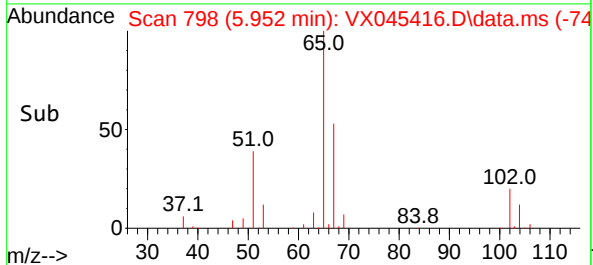
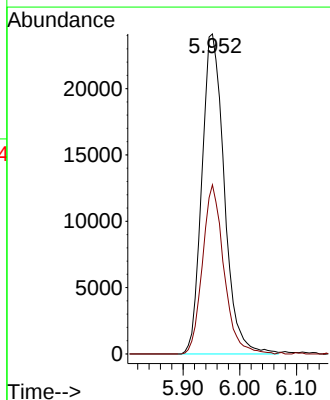
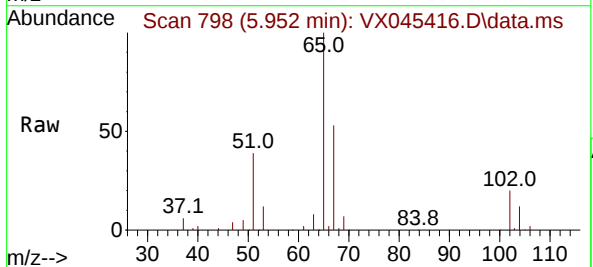
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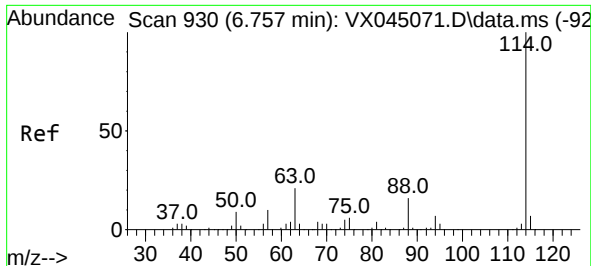
Tgt Ion: 56 Resp: 2295
Ion Ratio Lower Upper
56 100
69 124.0 23.4 35.2#
84 75.8 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 55.646 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 65 Resp: 66210
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.2

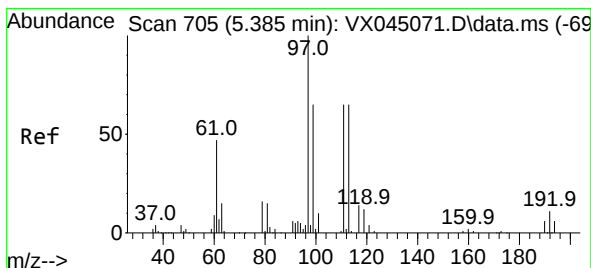
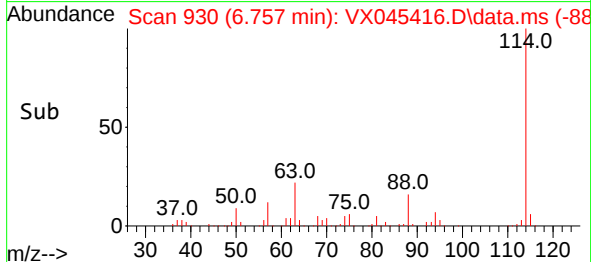
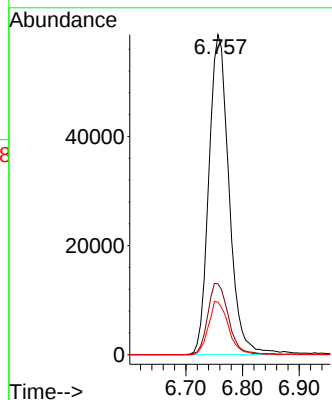
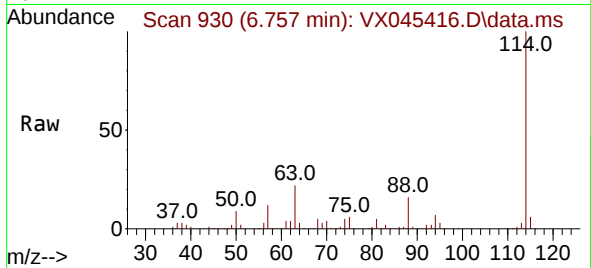




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

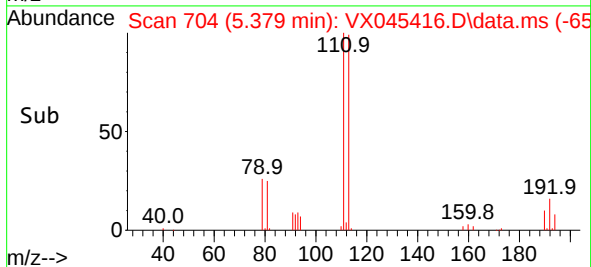
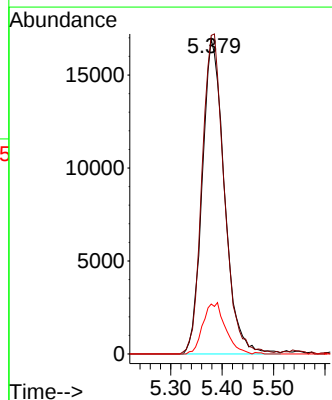
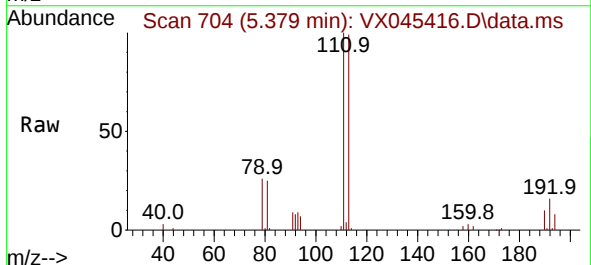
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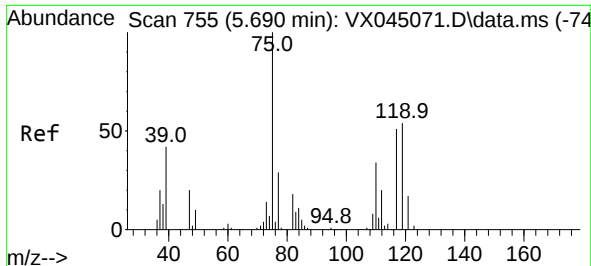
Tgt Ion:114 Resp: 145079
Ion Ratio Lower Upper
114 100
63 22.1 0.0 41.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.258 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion:113 Resp: 50696
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 16.4 14.3 21.5

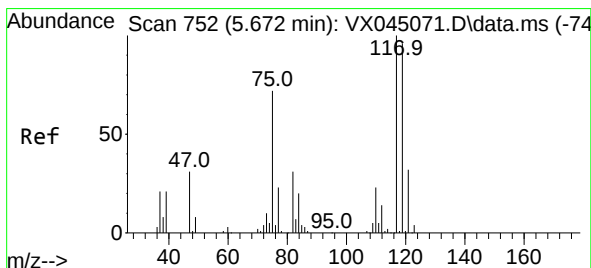
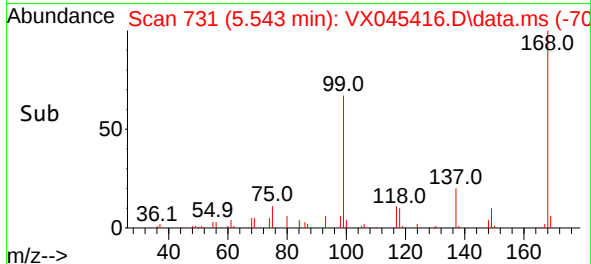
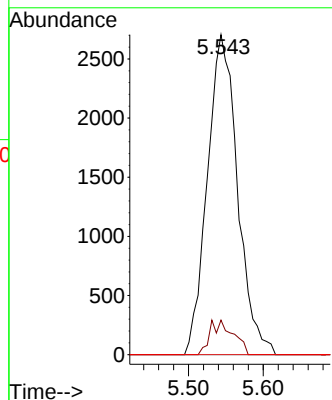
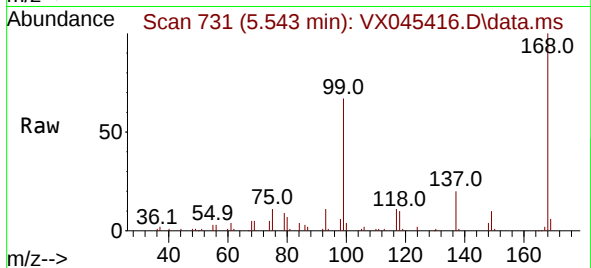




#36
1,1-Dichloropropene
Concen: 5.718 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.147 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

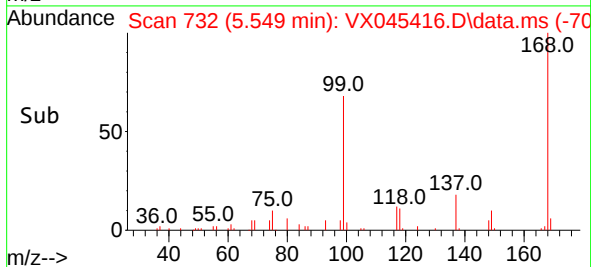
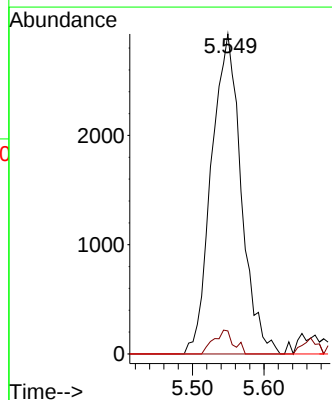
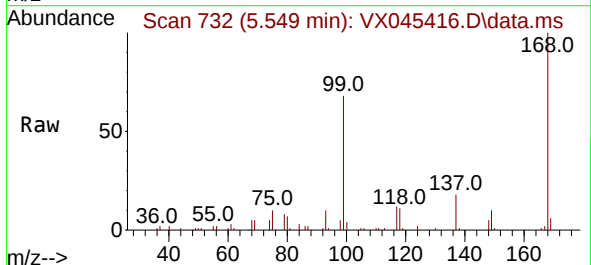
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

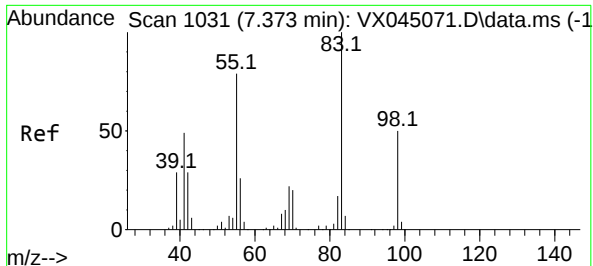
Tgt Ion: 75 Resp: 7607
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.268 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 117 Resp: 8466
Ion Ratio Lower Upper
117 100
119 7.2 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 1.504 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045416.D

Acq: 24 Mar 2025 15:41

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20250318

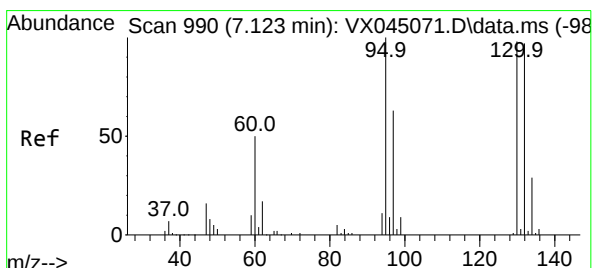
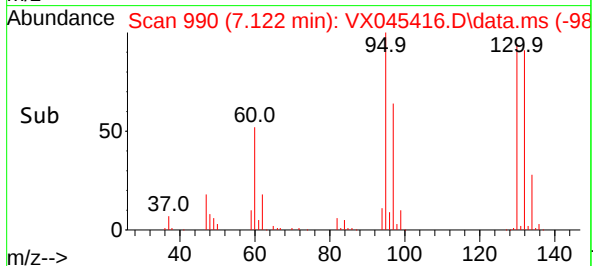
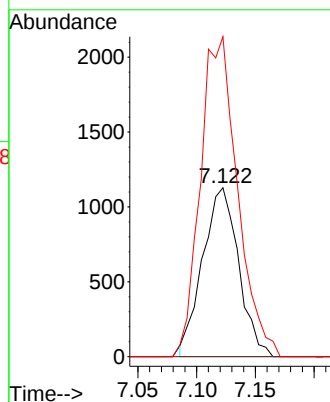
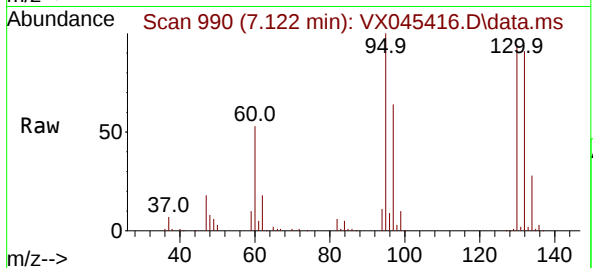
Tgt Ion: 83 Resp: 2398

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 189.5 39.7 59.5#



#44

Trichloroethene

Concen: 172.071 ug/l

RT: 7.122 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045416.D

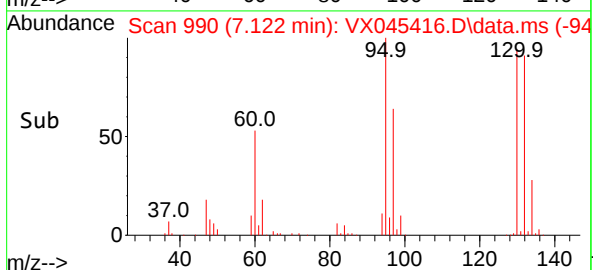
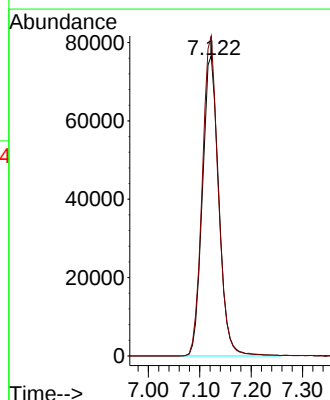
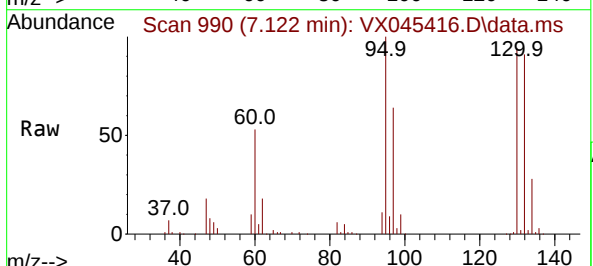
Acq: 24 Mar 2025 15:41

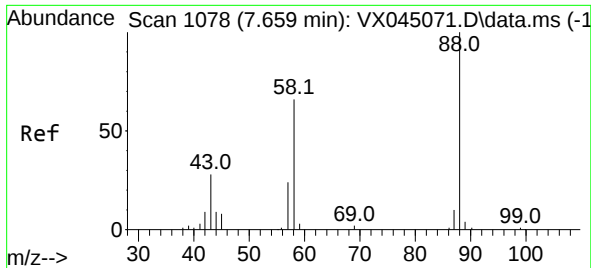
Tgt Ion:130 Resp: 169741

Ion Ratio Lower Upper

130 100

95 106.5 0.0 205.0

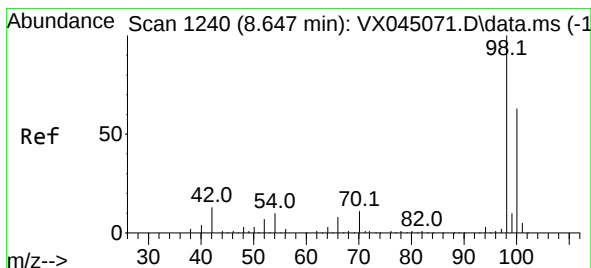
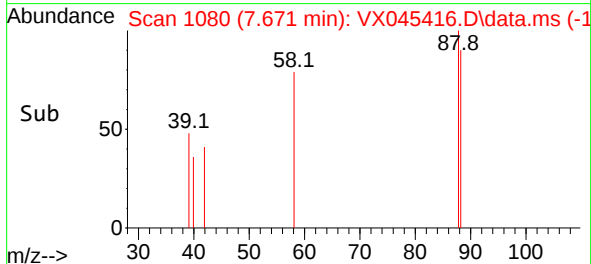
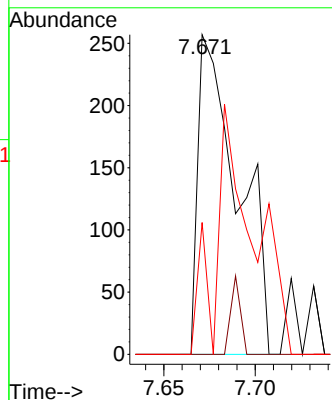
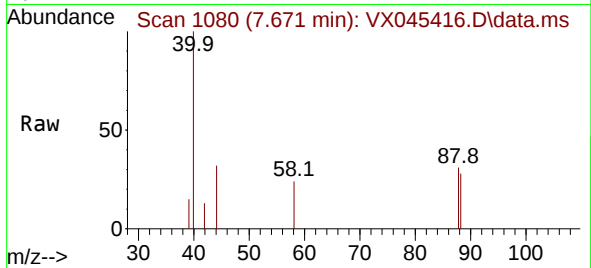




#49
1,4-Dioxane
Concen: 14.538 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

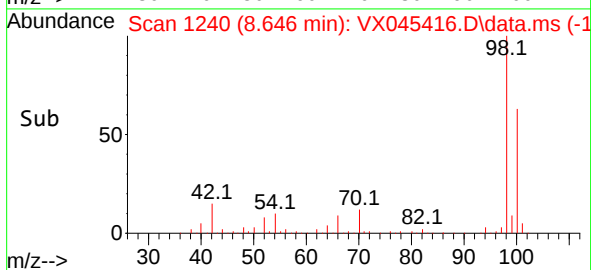
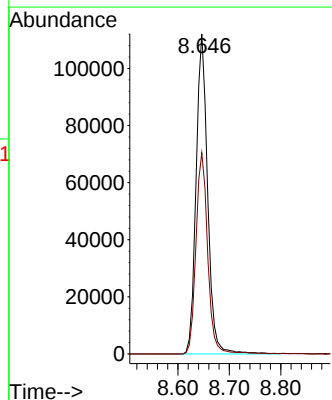
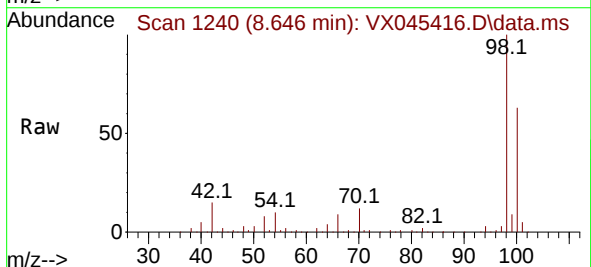
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

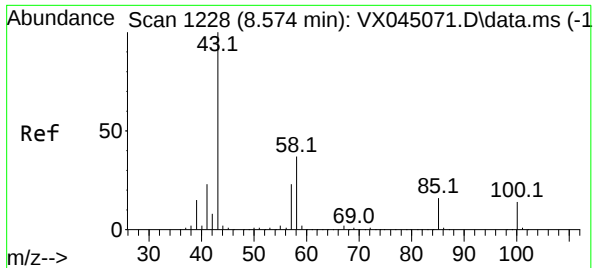
Tgt Ion: 88 Resp: 390
Ion Ratio Lower Upper
88 100
43 5.9 28.7 43.1#
58 74.6 55.8 83.8



#50
Toluene-d8
Concen: 49.852 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 98 Resp: 175327
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0

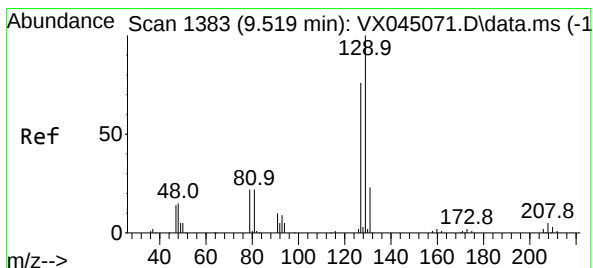
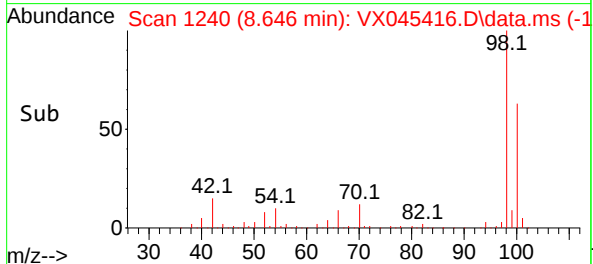
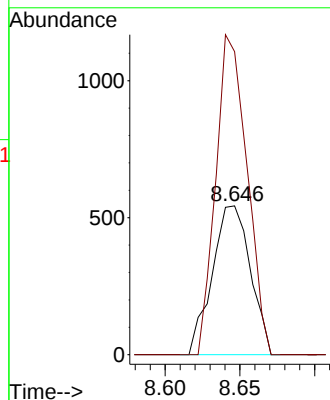
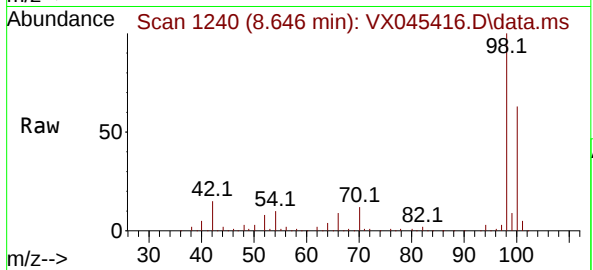




#51
4-Methyl-2-Pentanone
Concen: 0.566 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

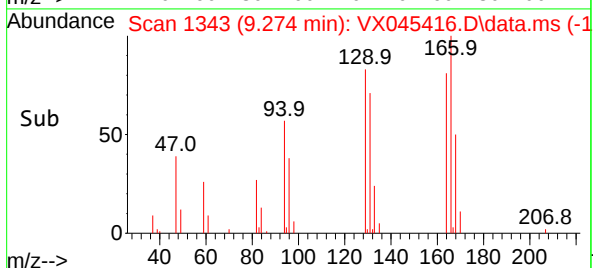
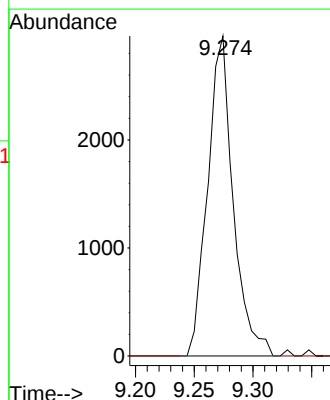
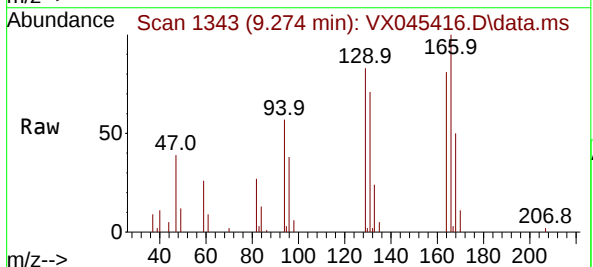
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

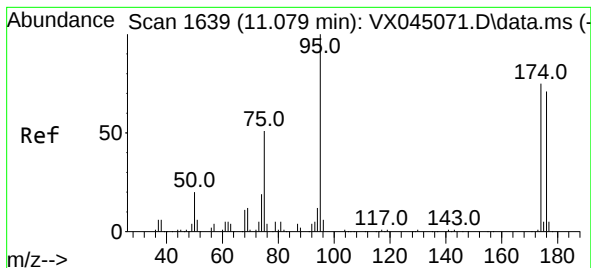
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
58 176.3 29.2 43.8#



#60
Dibromochloromethane
Concen: 4.224 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 129 Resp: 4482
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

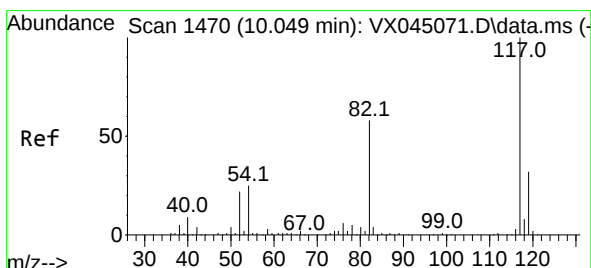
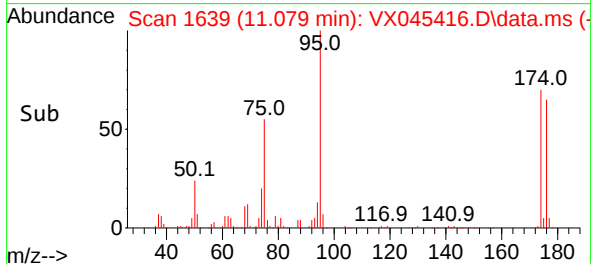
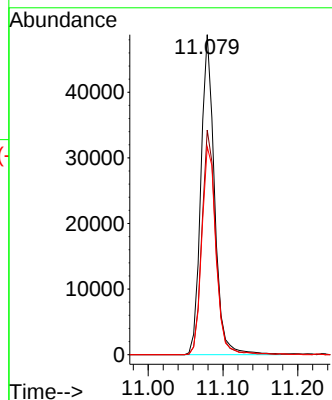
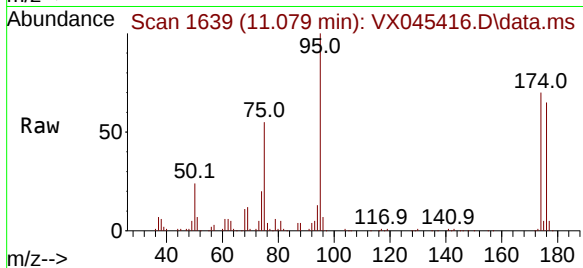




#62
4-Bromofluorobenzene
Concen: 52.893 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

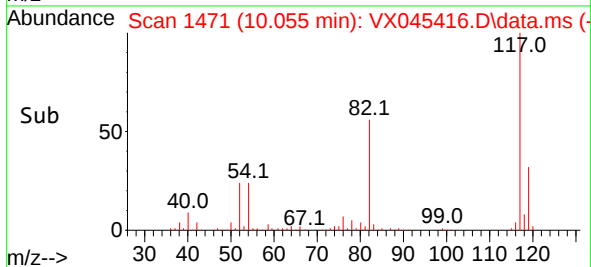
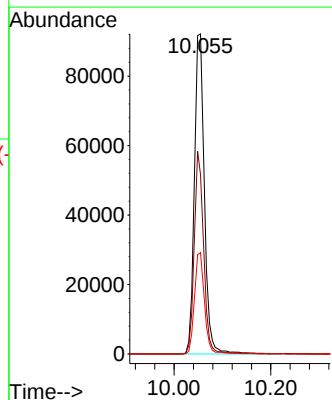
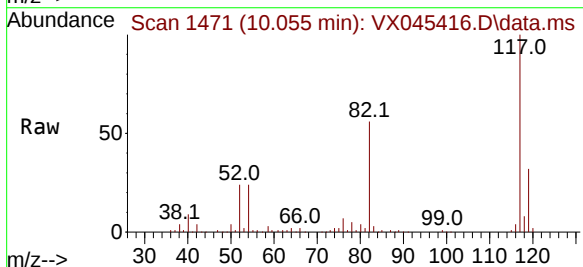
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

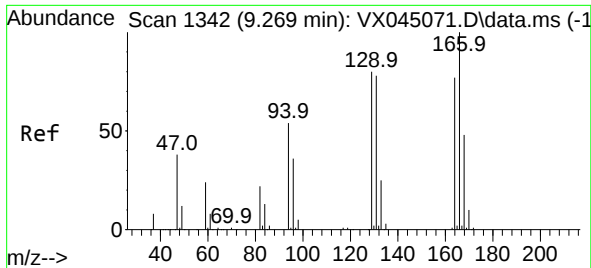
Tgt Ion: 95 Resp: 61643
Ion Ratio Lower Upper
95 100
174 71.7 0.0 148.2
176 68.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

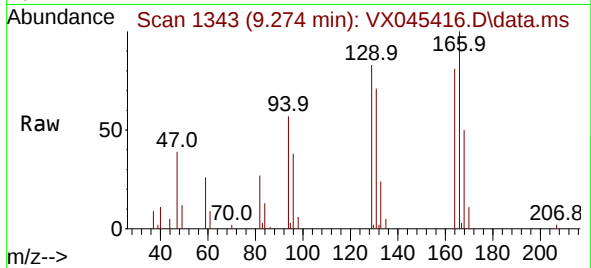
Tgt Ion: 117 Resp: 132750
Ion Ratio Lower Upper
117 100
82 56.0 46.3 69.5
119 31.7 25.7 38.5



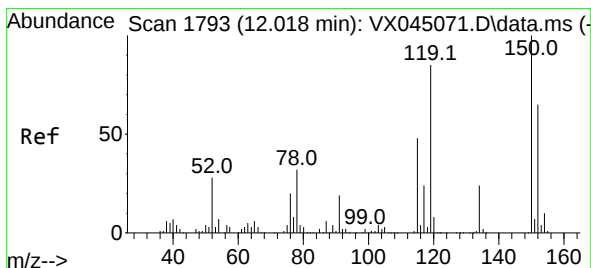
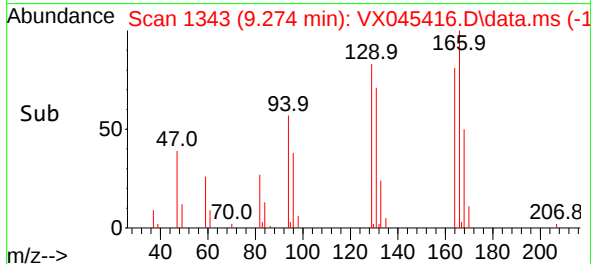
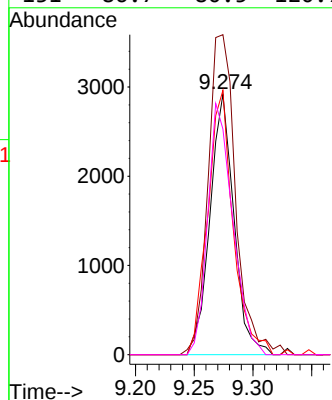


#64
Tetrachloroethene
Concen: 4.880 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

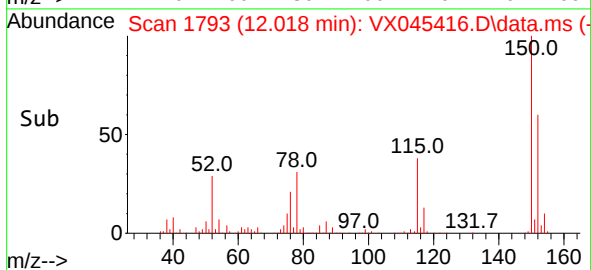
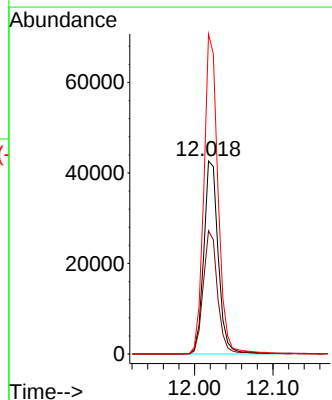
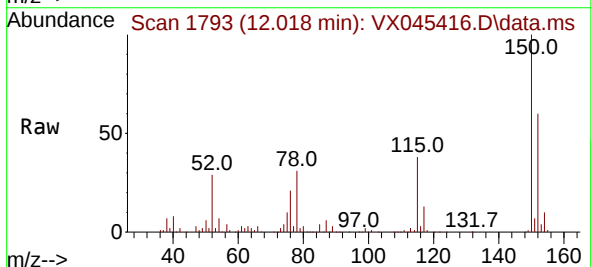


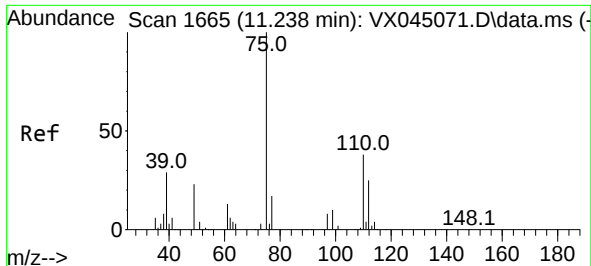
Tgt Ion:164 Resp: 4149
Ion Ratio Lower Upper
164 100
166 122.9 103.6 155.4
129 101.5 82.7 124.1
131 86.7 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion:152 Resp: 54723
Ion Ratio Lower Upper
152 100
115 63.6 44.2 132.6
150 162.1 0.0 349.0

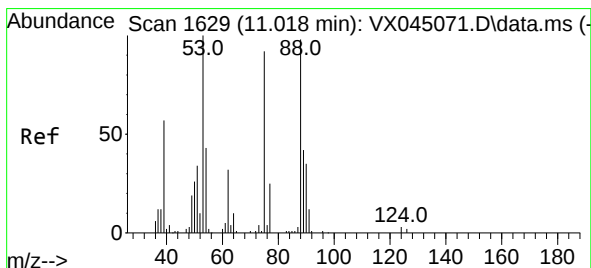
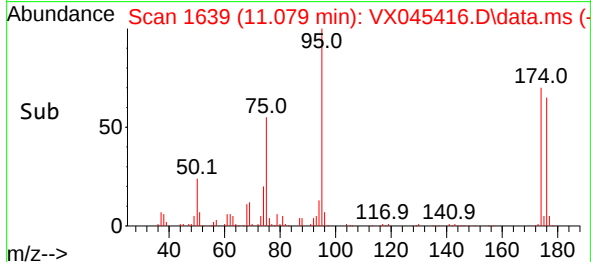
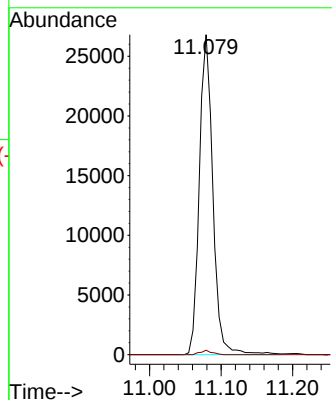
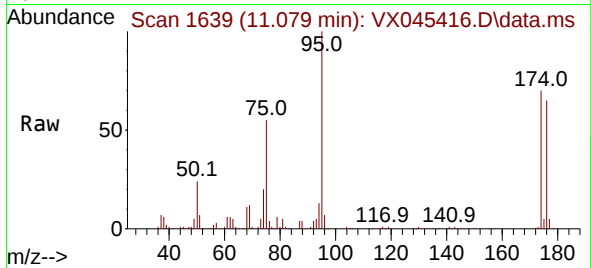




#76
1,2,3-Trichloropropane
Concen: 27.598 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318

Tgt Ion: 75 Resp: 35151
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.445 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045416.D
Acq: 24 Mar 2025 15:41

Tgt Ion: 75 Resp: 35151
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

