

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045415.D
 Acq On : 24 Mar 2025 15:17
 Operator : JC/MD
 Sample : Q1608-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20250318

Quant Time: Mar 25 01:35:15 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

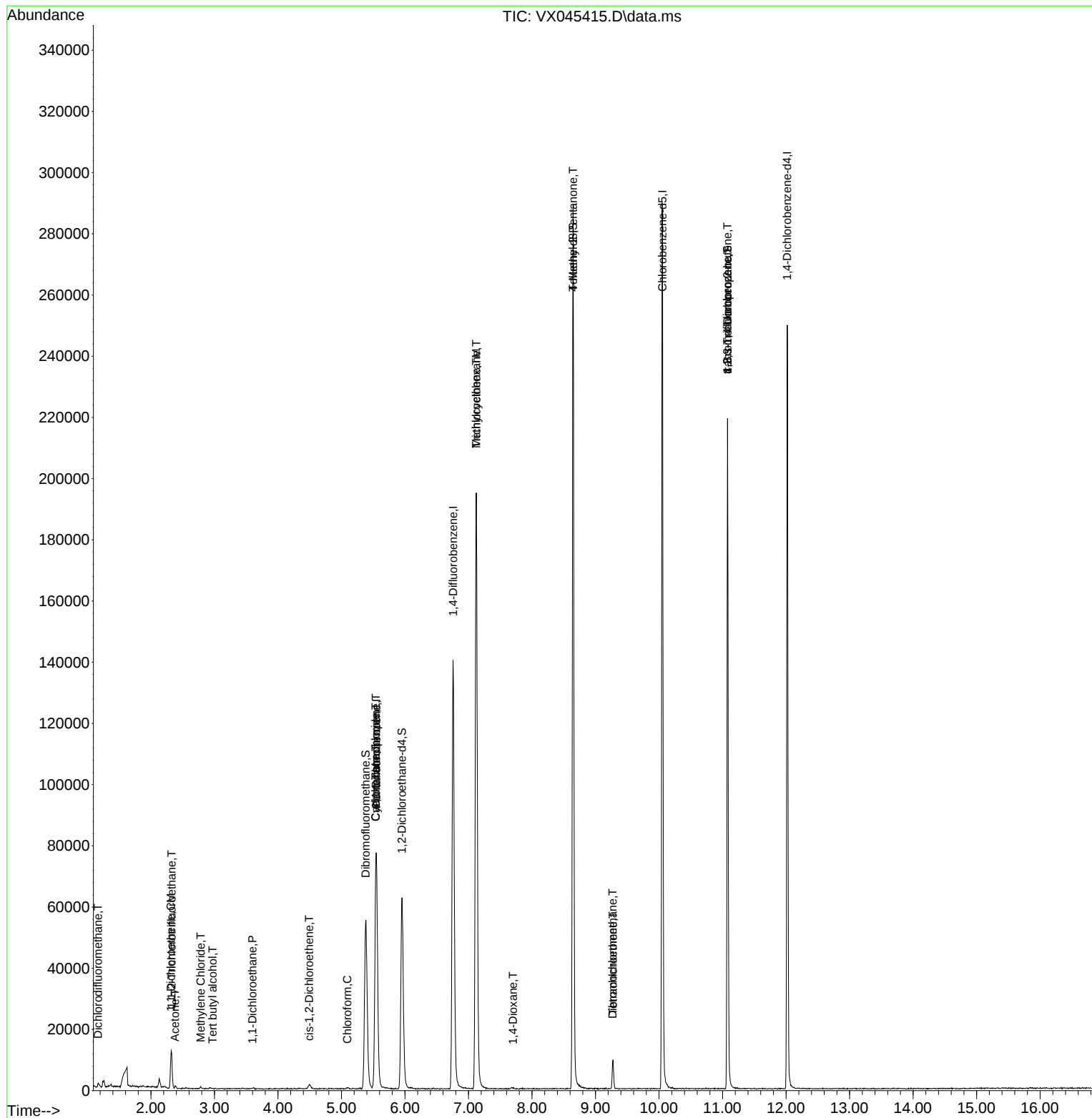
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134579	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62411	56.633	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.260%
35) Dibromofluoromethane	5.379	113	47268	52.526	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.060%
50) Toluene-d8	8.647	98	162792	49.899	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.800%
62) 4-Bromofluorobenzene	11.079	95	55593	51.424	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.840%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	929	1.065	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	4479	5.562	ug/l	97
11) Tert butyl alcohol	2.971	59	51	0.244	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	518	0.608	ug/l #	63
16) Acetone	2.380	43	680	1.330	ug/l #	77
20) Methylene Chloride	2.782	84	240	0.237	ug/l #	41
24) 1,1-Dichloroethane	3.599	63	426	0.247	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	1013	0.976	ug/l	93
30) Chloroform	5.093	83	348	0.203	ug/l #	18
31) Cyclohexane	5.538	56	2072	1.382	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	6451	5.227	ug/l #	50
38) Carbon Tetrachloride	5.538	117	8289	6.616	ug/l #	15
39) Methylcyclohexane	7.123	83	1007	0.681	ug/l #	1
44) Trichloroethene	7.123	130	71833	78.501	ug/l	100
49) 1,4-Dioxane	7.702	88	474	19.048	ug/l #	38
51) 4-Methyl-2-Pentanone	8.647	43	909	0.576	ug/l #	1
60) Dibromochloromethane	9.269	129	1783	1.812	ug/l #	11
64) Tetrachloroethene	9.275	164	1839	2.365	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	31717	28.911	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31717	98.940	ug/l #	6

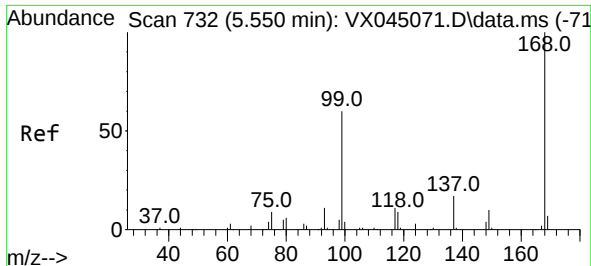
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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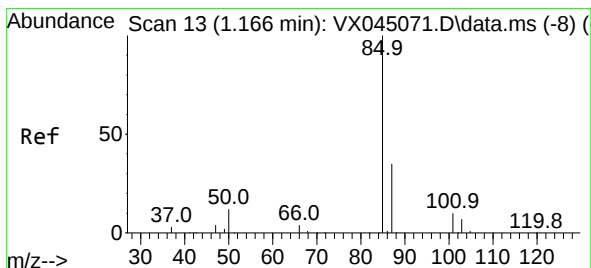
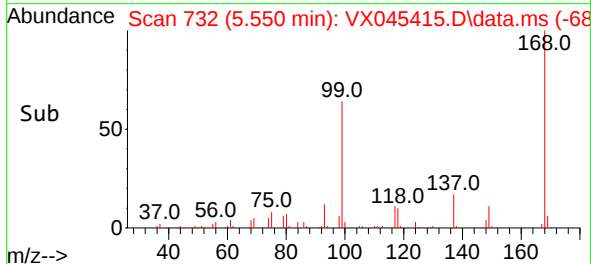
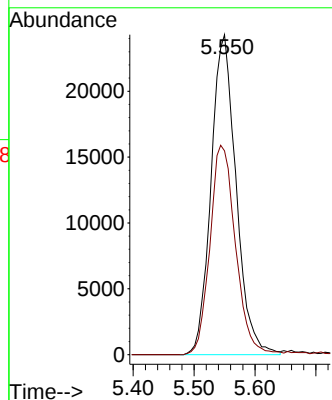
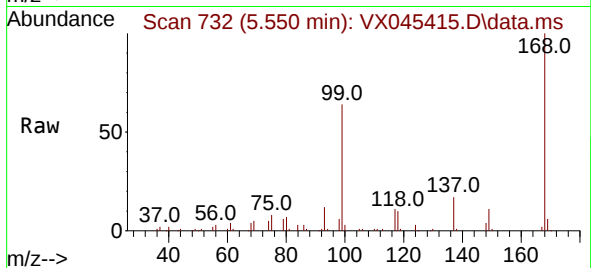




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

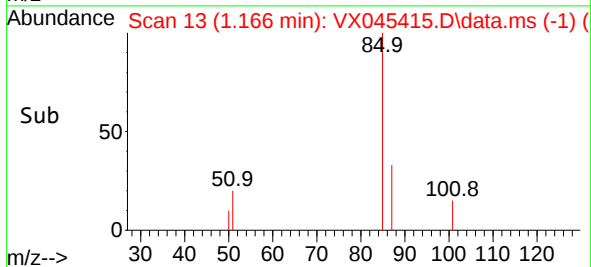
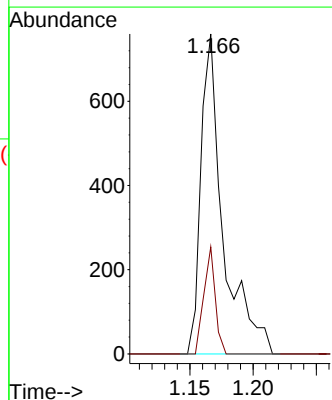
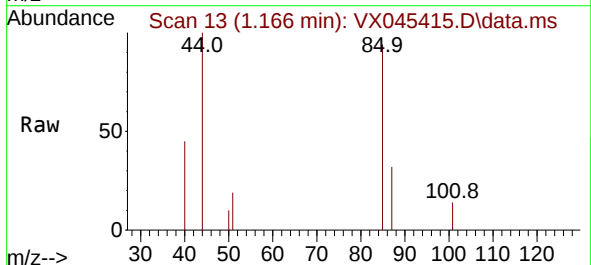
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

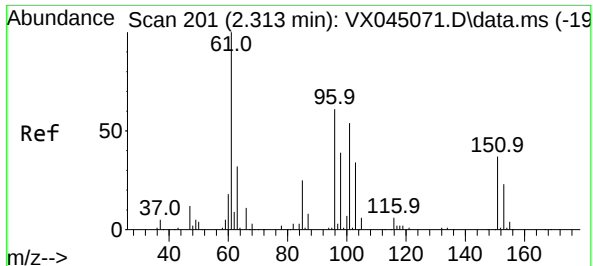
Tgt Ion:168 Resp: 69281
Ion Ratio Lower Upper
168 100
99 63.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.065 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 85 Resp: 929
Ion Ratio Lower Upper
85 100
87 33.4 17.4 52.3

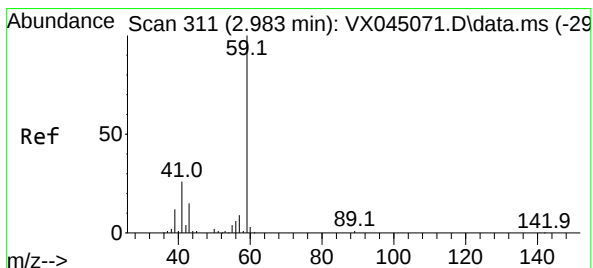
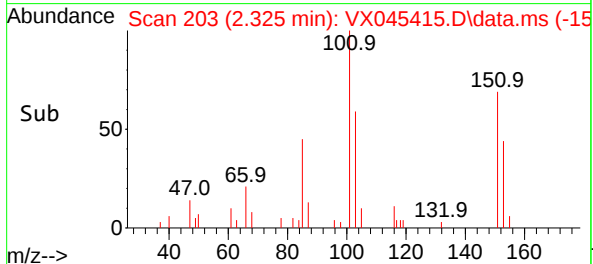
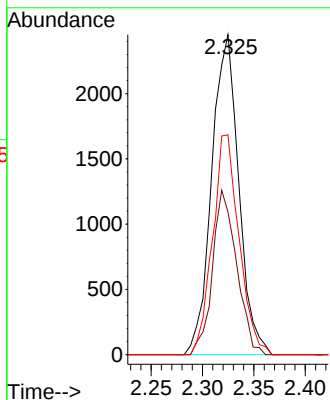
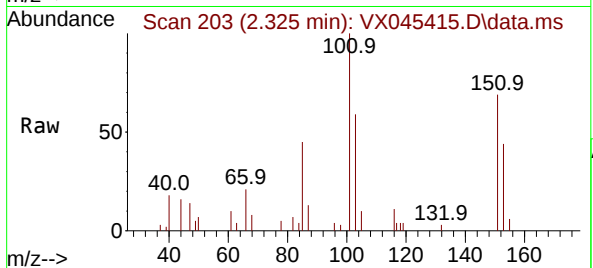




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.562 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

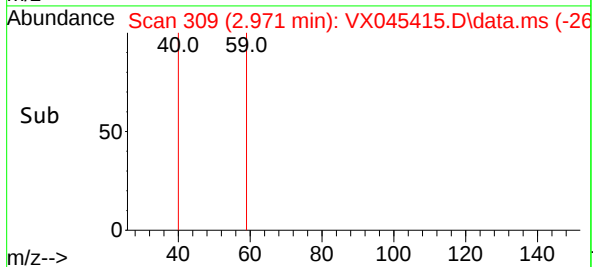
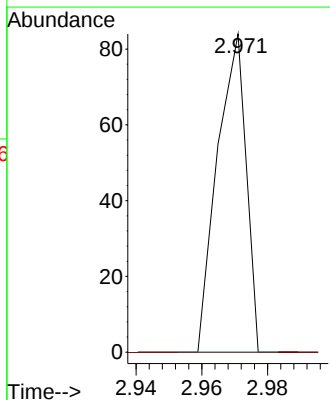
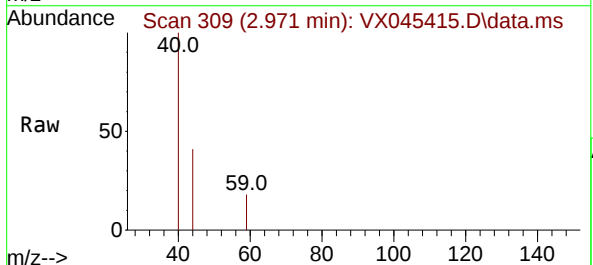
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

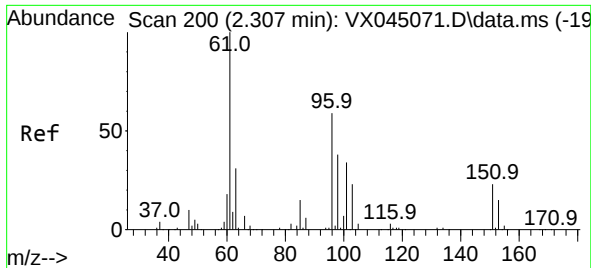
Tgt Ion:101 Resp: 4479
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 67.4 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.244 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

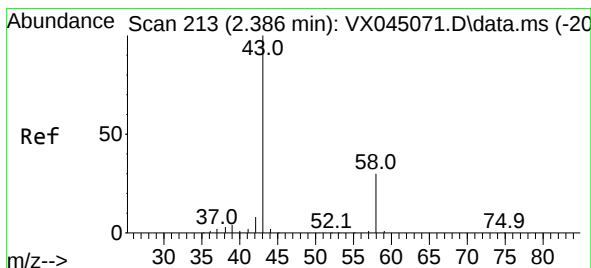
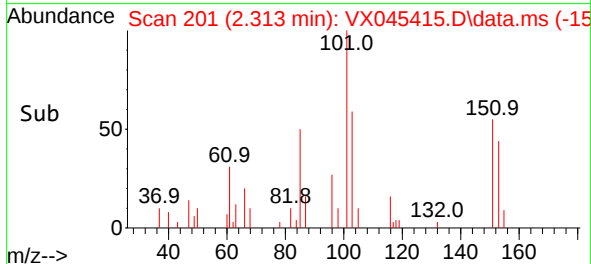
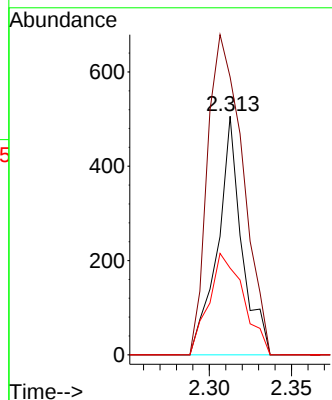
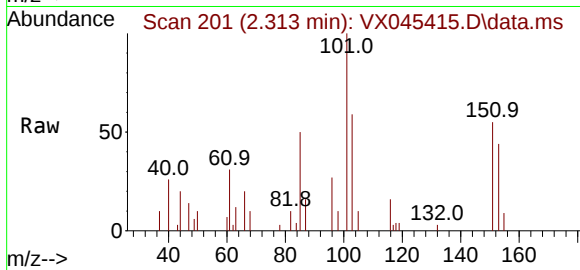




#12
 1,1-Dichloroethene
 Concen: 0.608 ug/l
 RT: 2.313 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX045415.D
 Acq: 24 Mar 2025 15:17

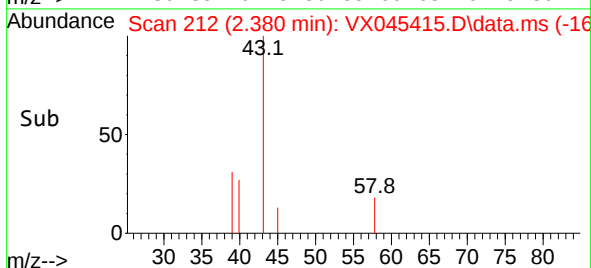
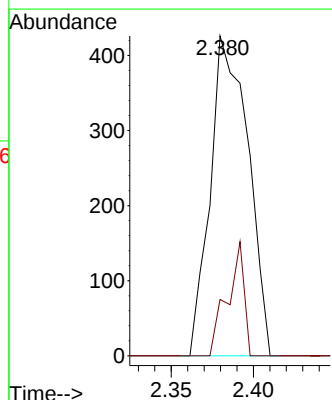
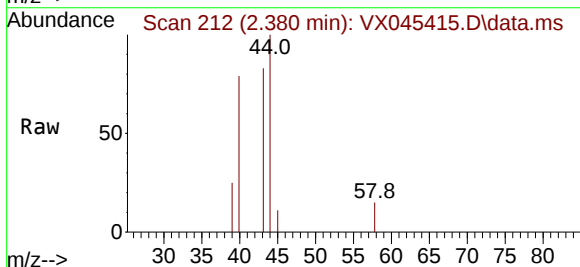
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D3-20250318

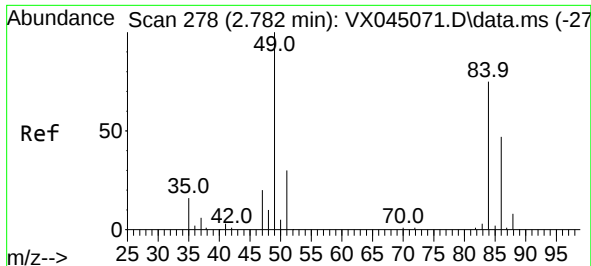
Tgt Ion: 96 Resp: 518
 Ion Ratio Lower Upper
 96 100
 61 116.4 134.6 202.0#
 98 36.4 51.0 76.6#



#16
 Acetone
 Concen: 1.330 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045415.D
 Acq: 24 Mar 2025 15:17

Tgt Ion: 43 Resp: 680
 Ion Ratio Lower Upper
 43 100
 58 17.6 24.2 36.4#





#20

Methylene Chloride

Concen: 0.237 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045415.D

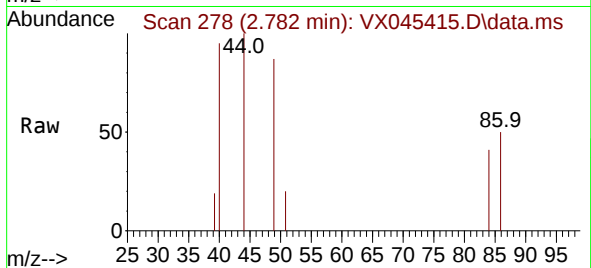
Acq: 24 Mar 2025 15:17

Instrument :

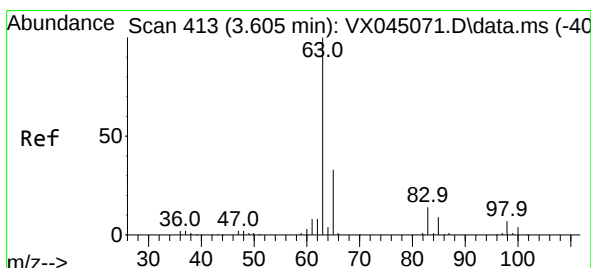
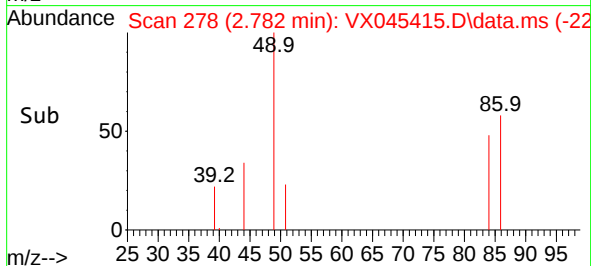
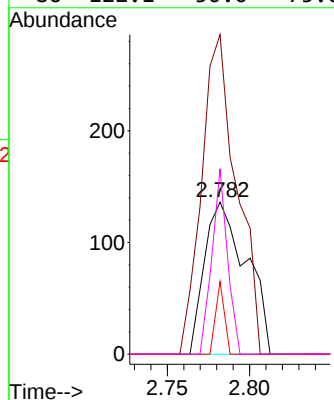
MSVOA_X

ClientSampleId :

RE132D3-20250318



Tgt Ion:	84	Resp:	240
Ion	Ratio	Lower	Upper
84	100		
49	210.3	106.5	159.7#
51	47.8	32.1	48.1
86	122.1	50.0	75.0#



#24

1,1-Dichloroethane

Concen: 0.247 ug/l

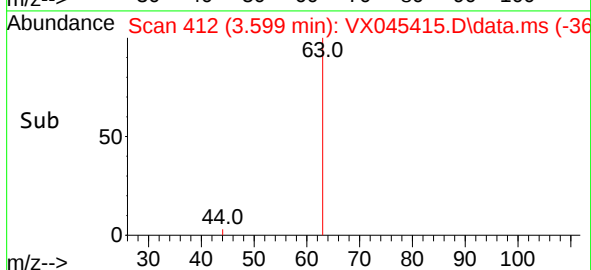
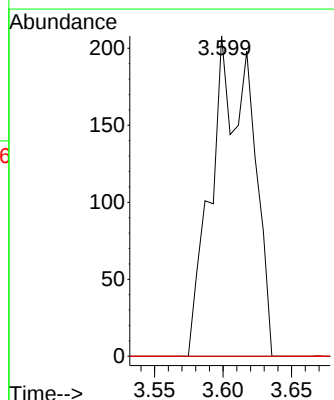
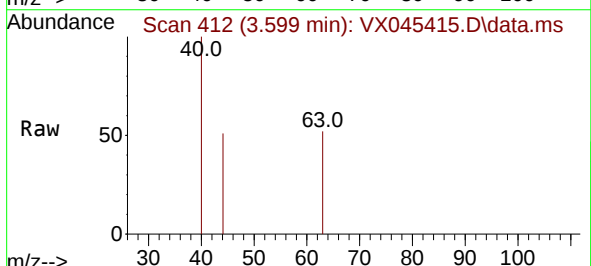
RT: 3.599 min Scan# 412

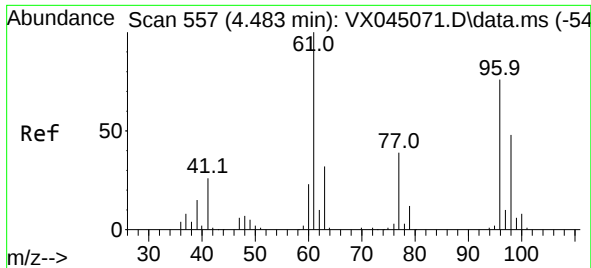
Delta R.T. -0.006 min

Lab File: VX045415.D

Acq: 24 Mar 2025 15:17

Tgt Ion:	63	Resp:	426
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#

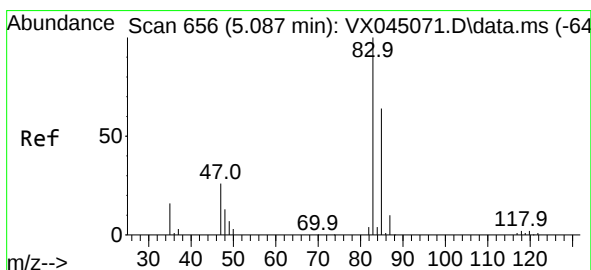
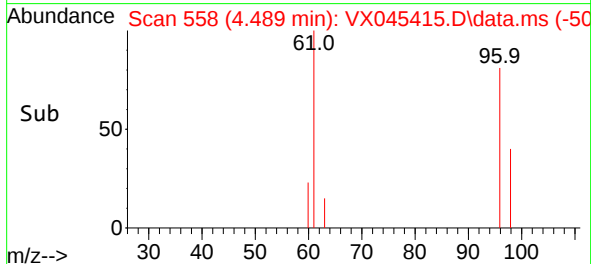
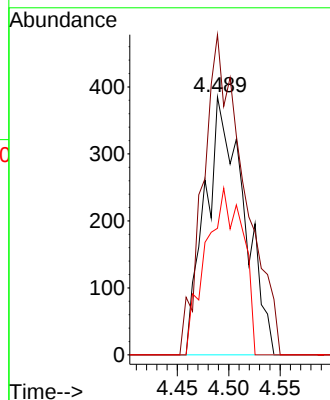
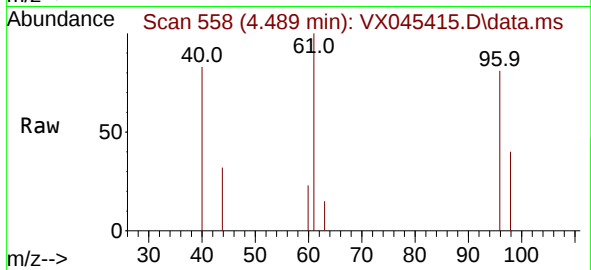




#27
 cis-1,2-Dichloroethene
 Concen: 0.976 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX045415.D
 Acq: 24 Mar 2025 15:17

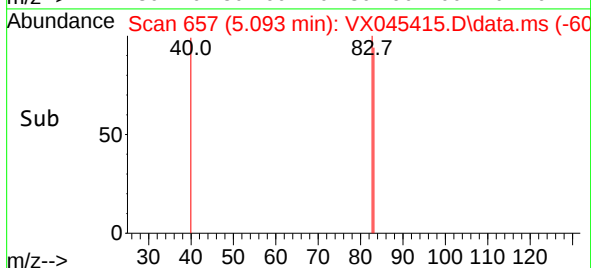
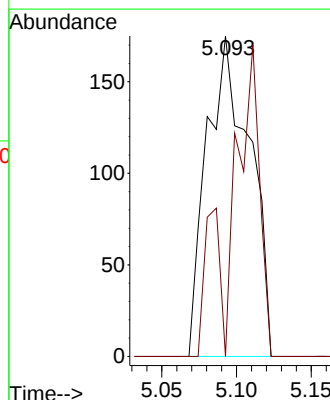
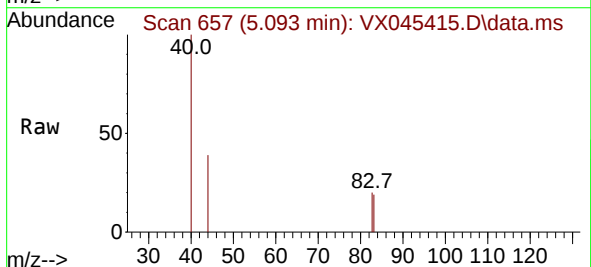
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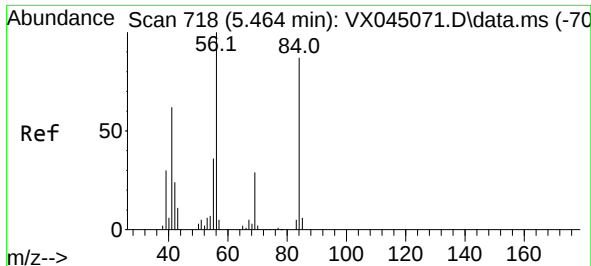
Tgt Ion:	96	Resp:	1013
Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	283.2
98	61.7	0.0	128.0



#30
 Chloroform
 Concen: 0.203 ug/l
 RT: 5.093 min Scan# 657
 Delta R.T. 0.006 min
 Lab File: VX045415.D
 Acq: 24 Mar 2025 15:17

Tgt Ion:	83	Resp:	348
Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.4	77.2#



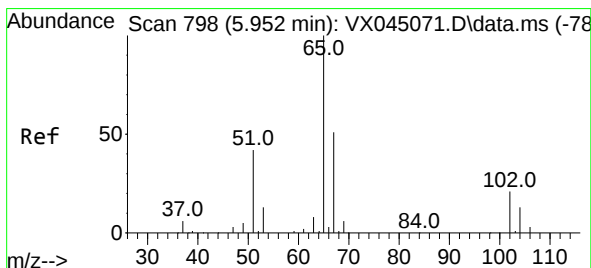
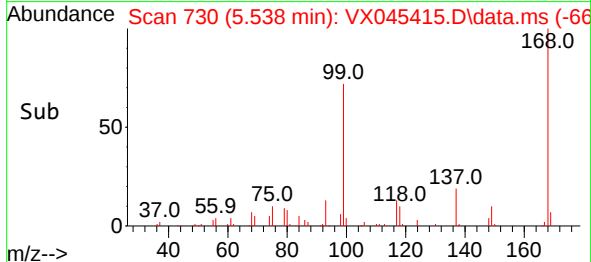
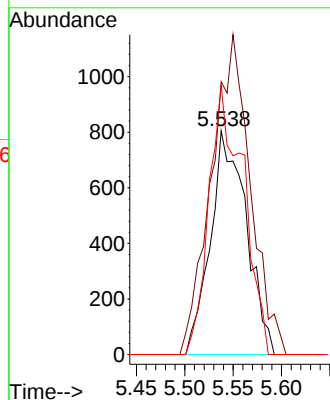
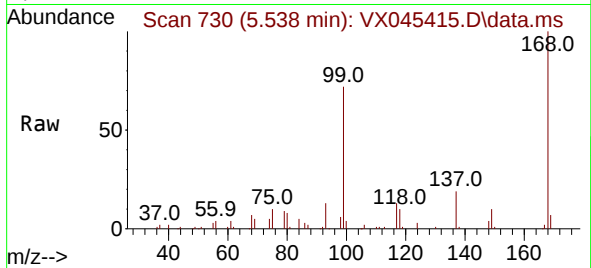


#31
Cyclohexane
Concen: 1.382 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion: 56 Resp: 2072

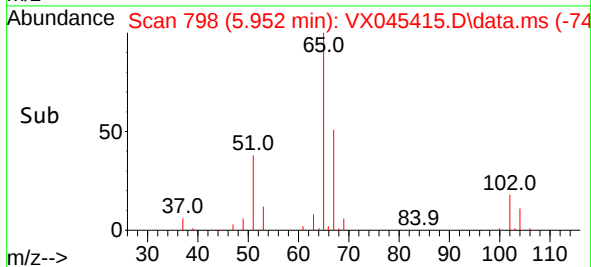
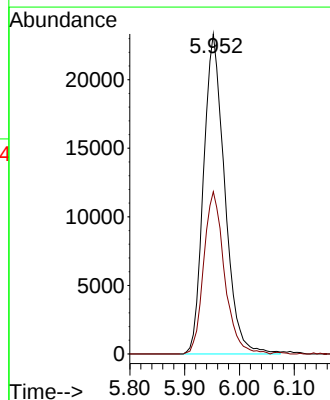
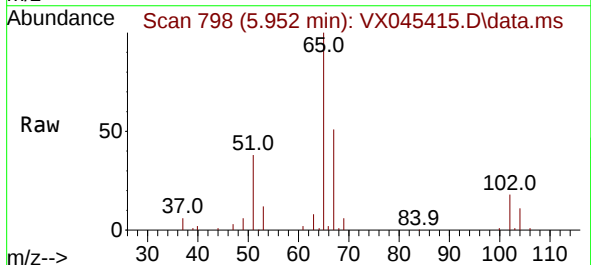
Ion	Ratio	Lower	Upper
56	100		
69	122.0	23.4	35.2#
84	120.4	69.4	104.2#

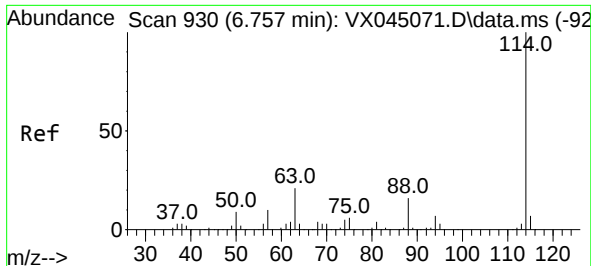


#33
1,2-Dichloroethane-d4
Concen: 56.633 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 65 Resp: 62411

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	106.2

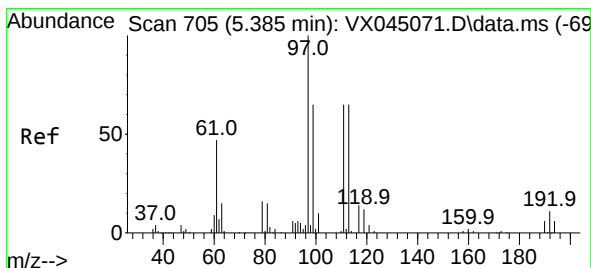
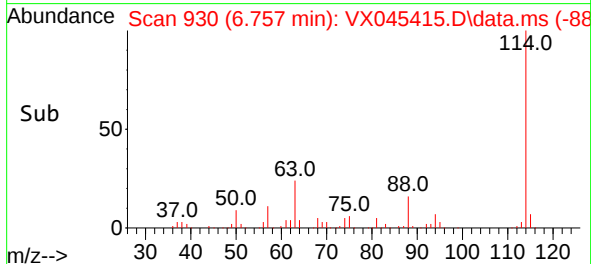
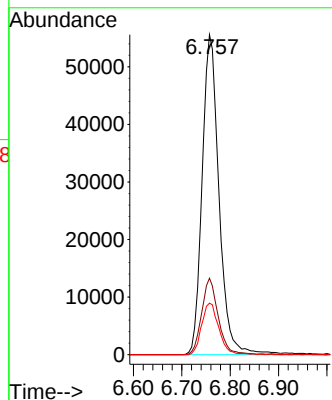
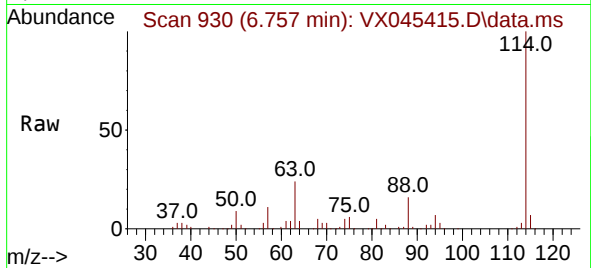




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

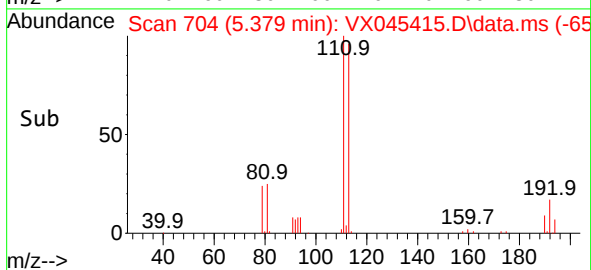
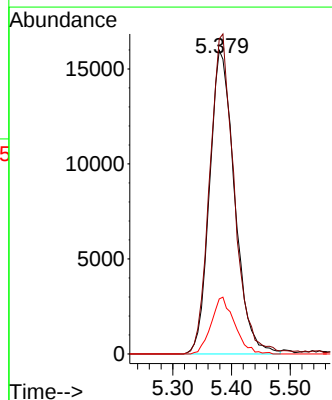
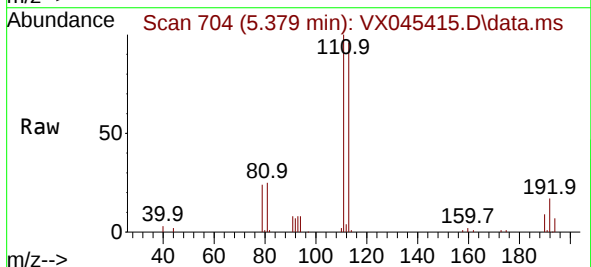
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

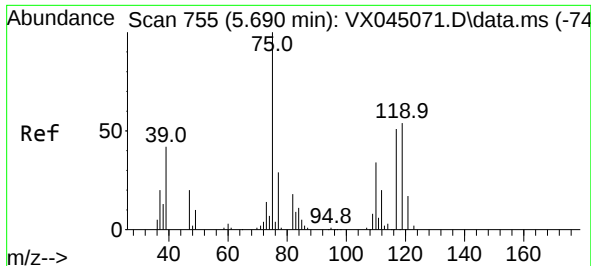
Tgt Ion:114 Resp: 134579
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.526 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion:113 Resp: 47268
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 17.5 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.227 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045415.D

Acq: 24 Mar 2025 15:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20250318

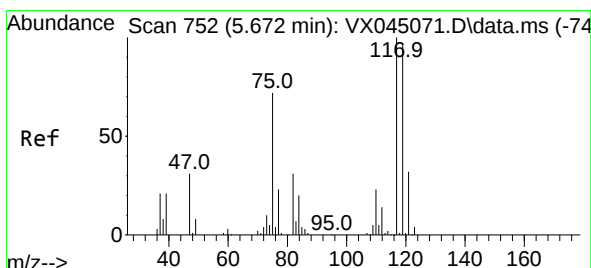
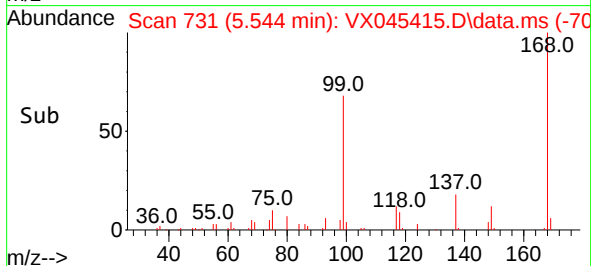
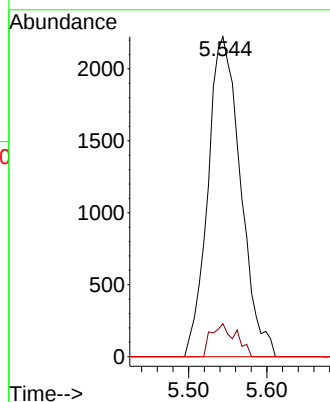
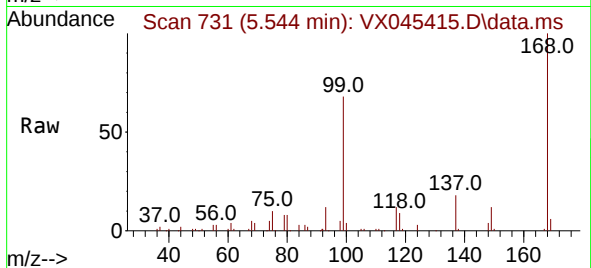
Tgt Ion: 75 Resp: 6451

Ion Ratio Lower Upper

75 100

110 7.8 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.616 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045415.D

Acq: 24 Mar 2025 15:17

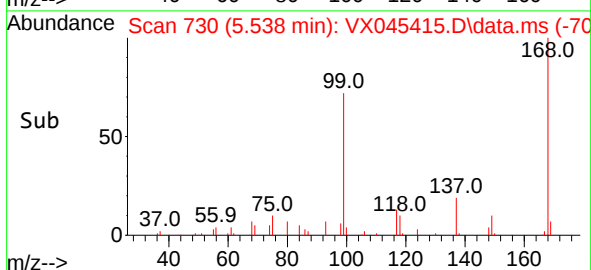
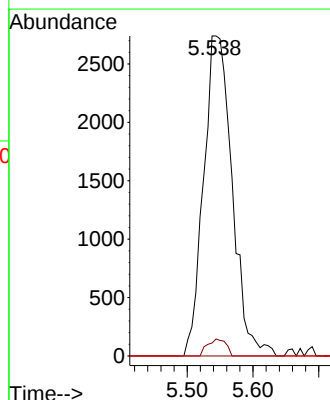
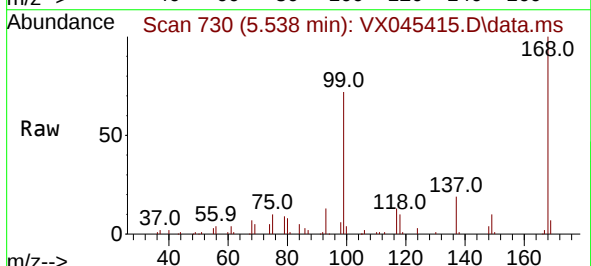
Tgt Ion: 117 Resp: 8289

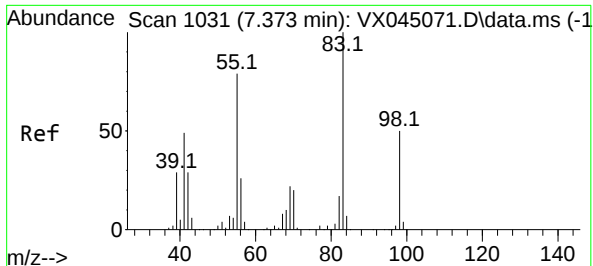
Ion Ratio Lower Upper

117 100

119 4.1 76.7 115.1#

121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.681 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045415.D

Acq: 24 Mar 2025 15:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20250318

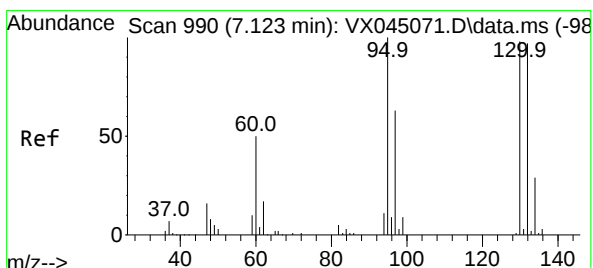
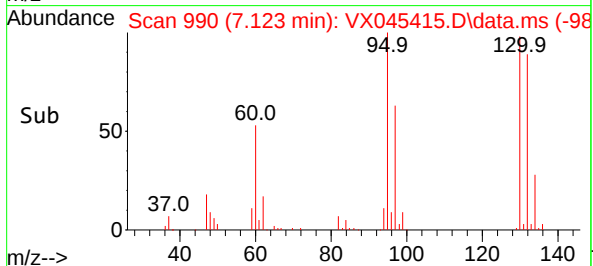
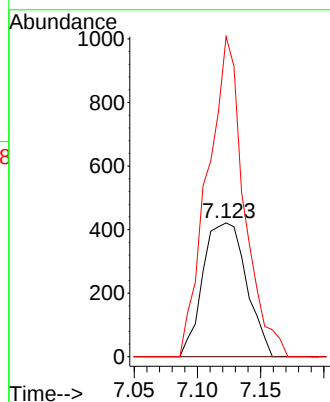
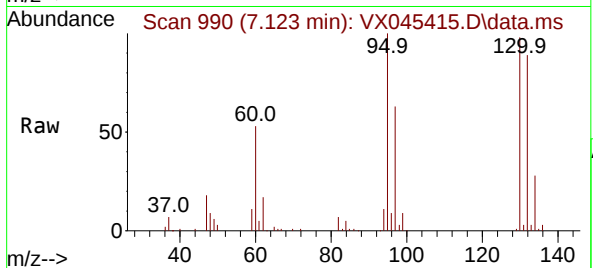
Tgt Ion: 83 Resp: 1007

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 239.2 39.7 59.5#



#44

Trichloroethene

Concen: 78.501 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045415.D

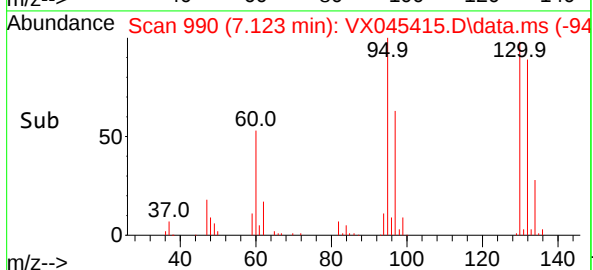
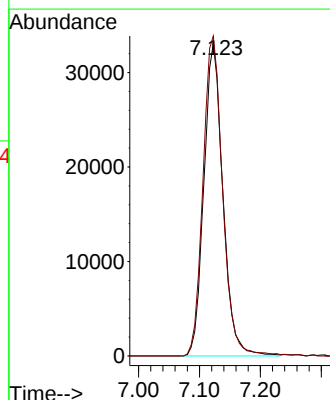
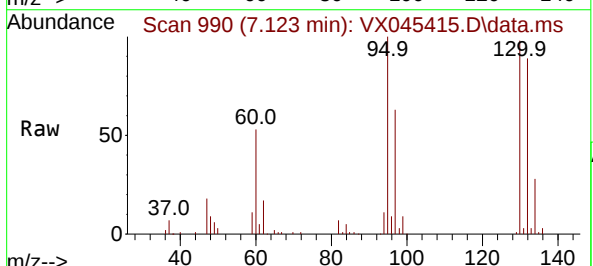
Acq: 24 Mar 2025 15:17

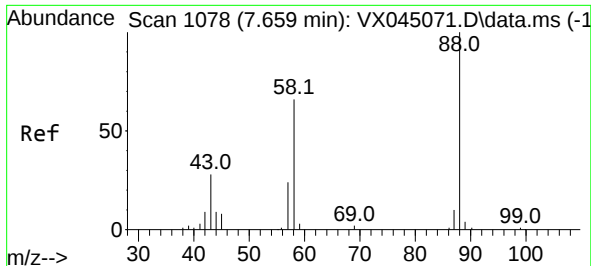
Tgt Ion:130 Resp: 71833

Ion Ratio Lower Upper

130 100

95 102.5 0.0 205.0





#49

1,4-Dioxane

Concen: 19.048 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.043 min

Lab File: VX045415.D

Acq: 24 Mar 2025 15:17

Instrument :

MSVOA_X

ClientSampleId :

RE132D3-20250318

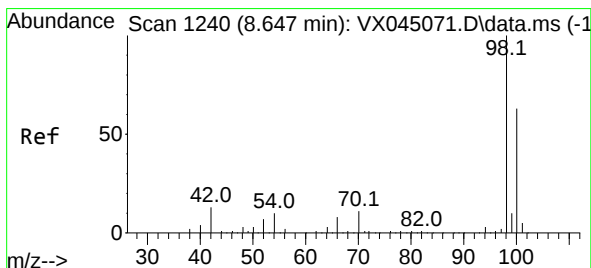
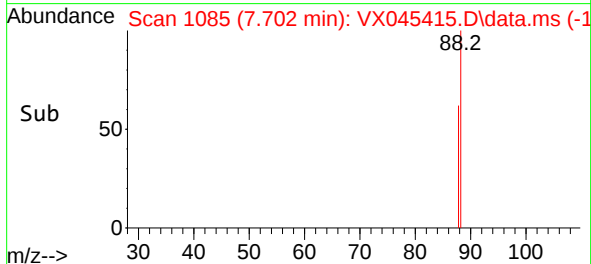
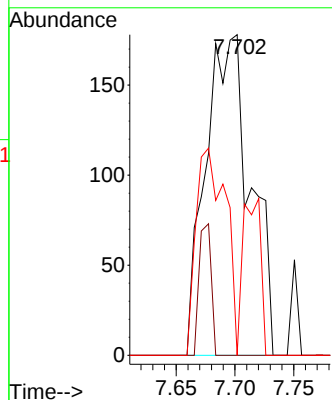
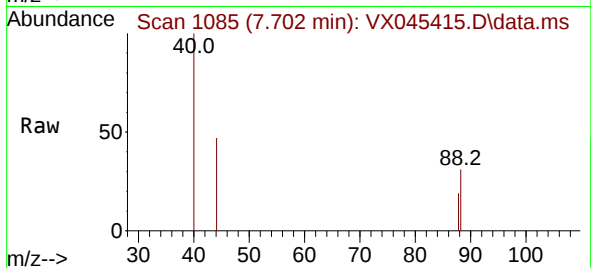
Tgt Ion: 88 Resp: 474

Ion Ratio Lower Upper

88 100

43 0.0 28.7 43.1#

58 19.2 55.8 83.8#



#50

Toluene-d8

Concen: 49.899 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045415.D

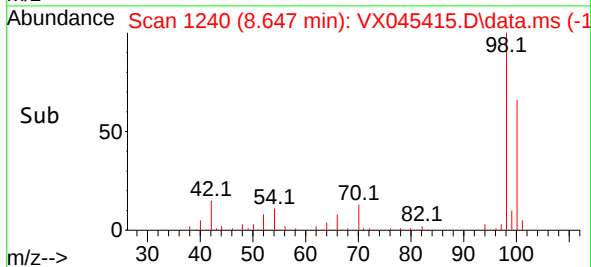
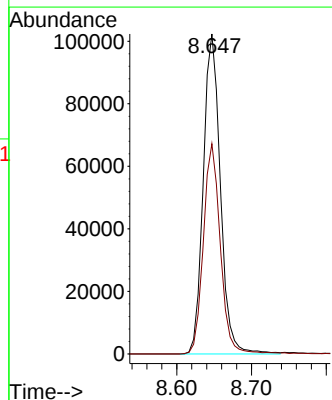
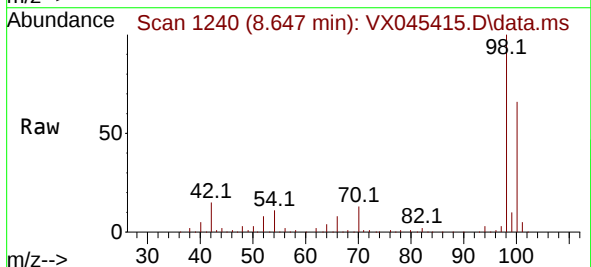
Acq: 24 Mar 2025 15:17

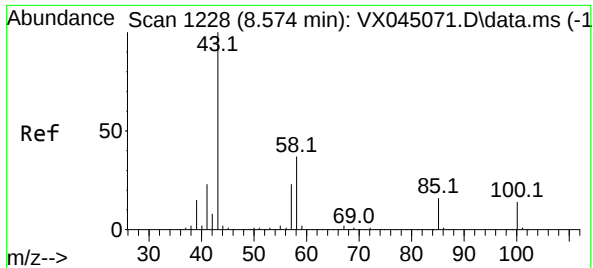
Tgt Ion: 98 Resp: 162792

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0

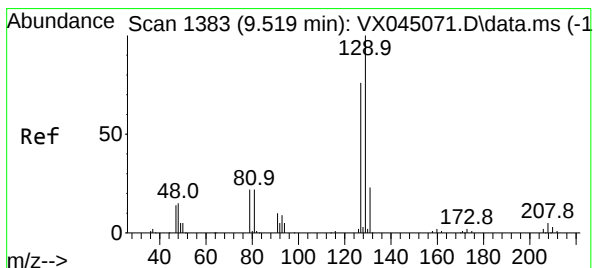
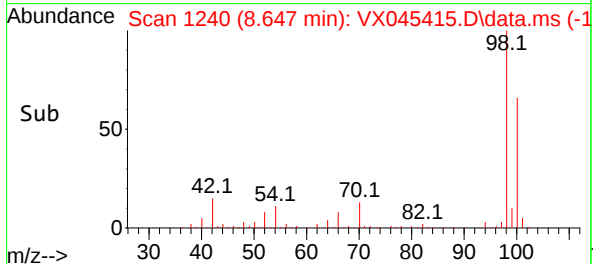
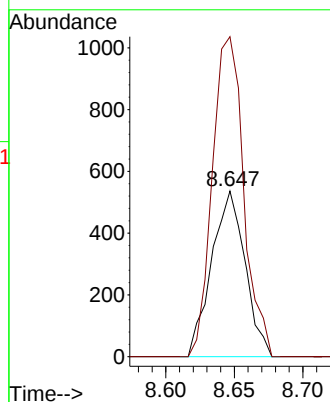
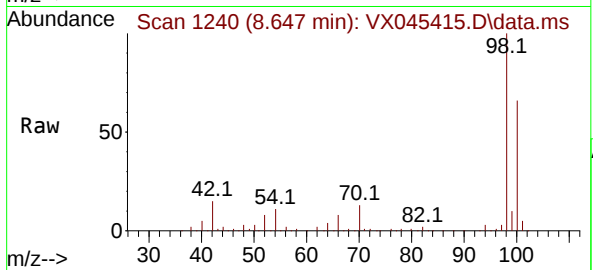




#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

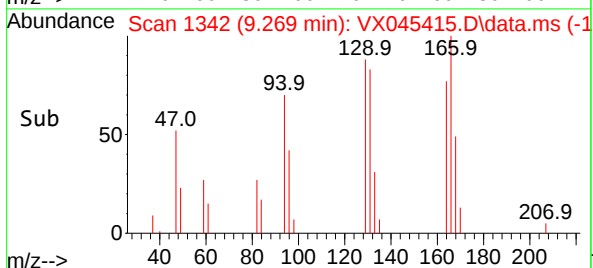
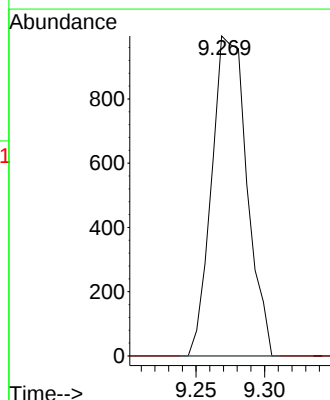
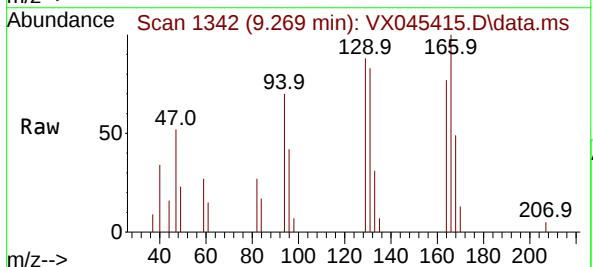
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

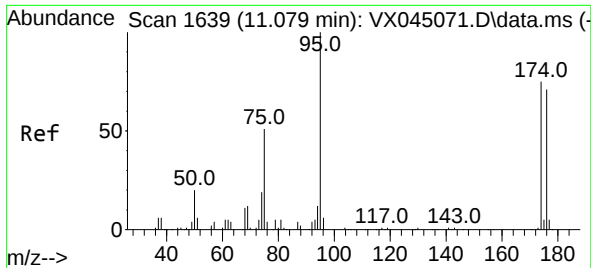
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 181.4 29.2 43.8#



#60
Dibromochloromethane
Concen: 1.812 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 129 Resp: 1783
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

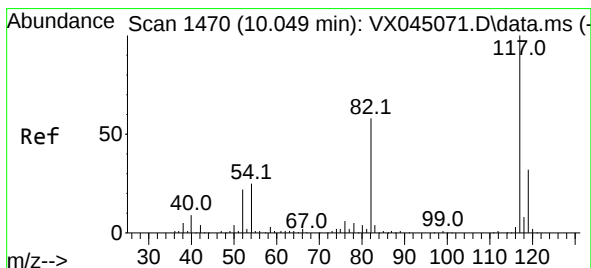
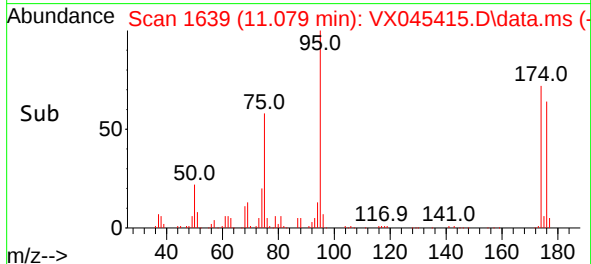
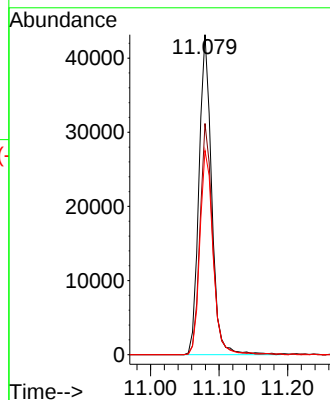
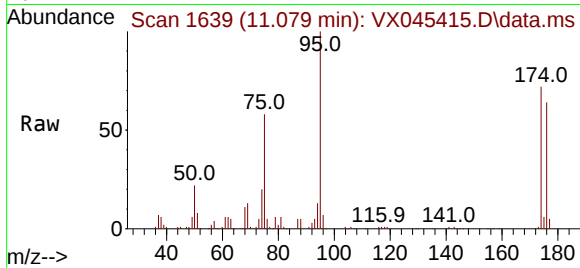




#62
4-Bromofluorobenzene
Concen: 51.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

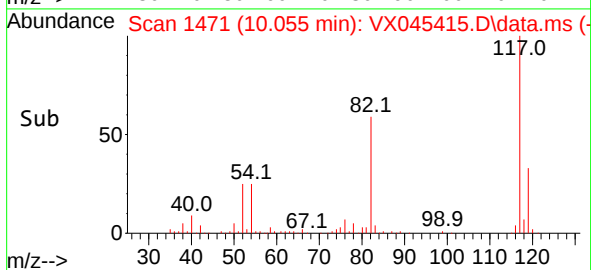
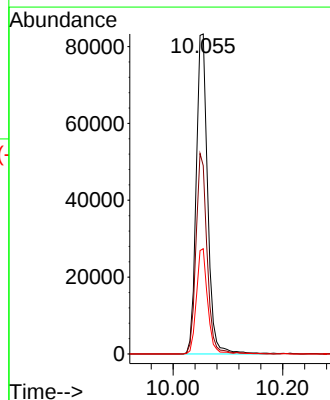
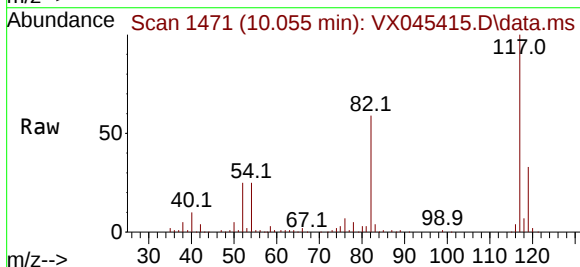
Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

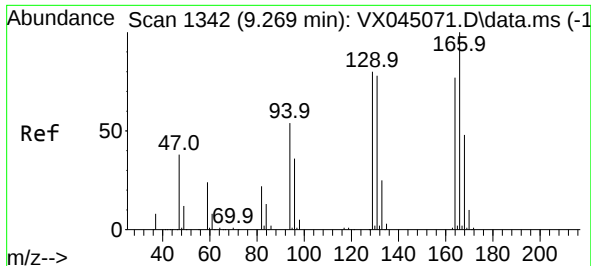
Tgt Ion: 95 Resp: 55593
Ion Ratio Lower Upper
95 100
174 72.0 0.0 148.2
176 66.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 117 Resp: 121432
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 32.9 25.7 38.5



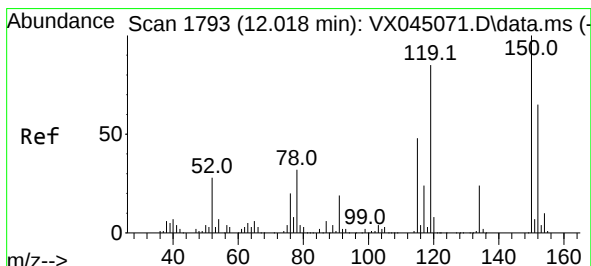
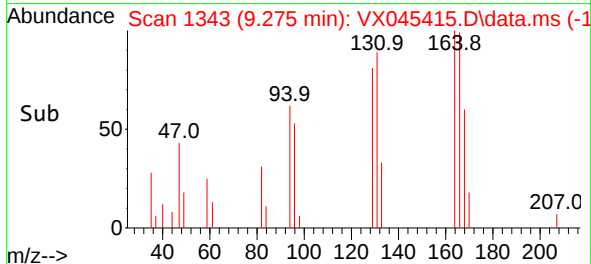
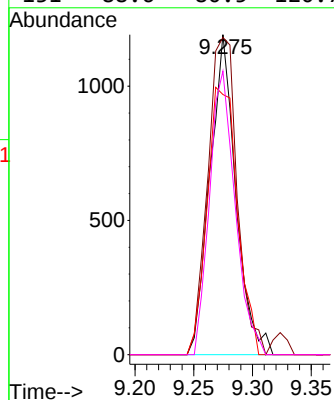
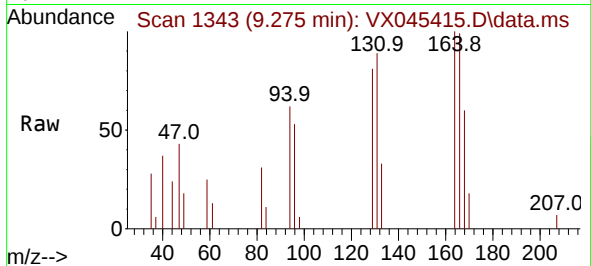


#64
Tetrachloroethene
Concen: 2.365 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion:164 Resp: 1839

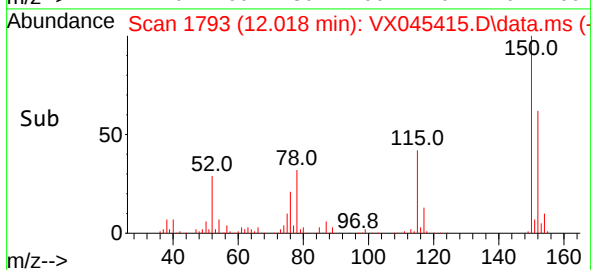
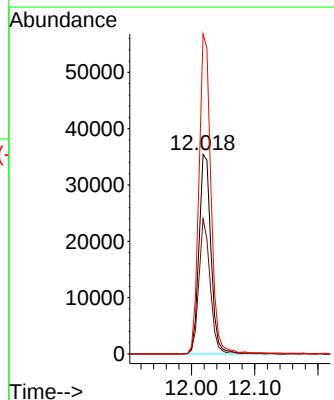
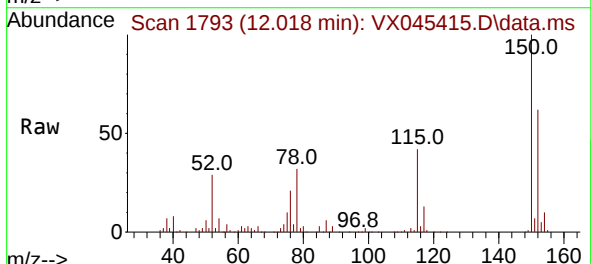
Ion	Ratio	Lower	Upper
164	100		
166	99.2	103.6	155.4#
129	81.3	82.7	124.1#
131	88.6	80.5	120.7

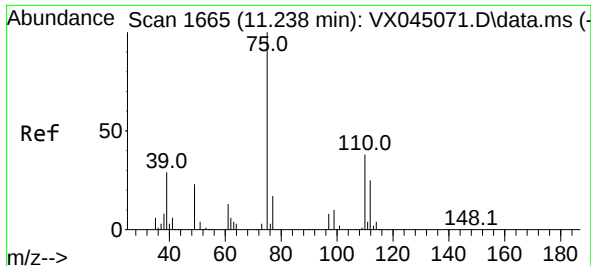


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion:152 Resp: 47134

Ion	Ratio	Lower	Upper
152	100		
115	63.8	44.2	132.6
150	159.5	0.0	349.0

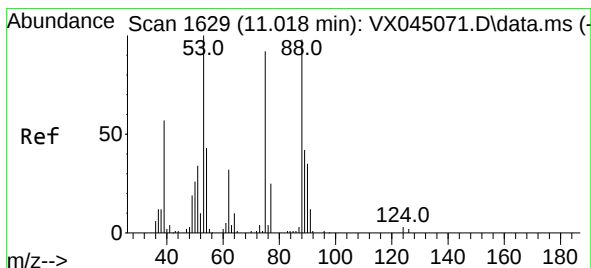
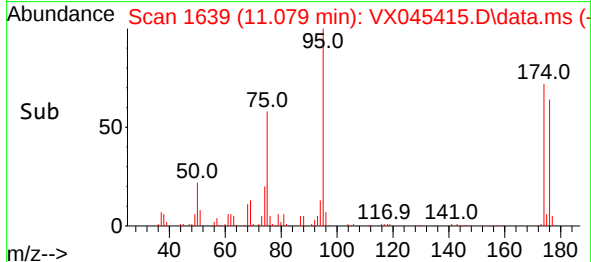
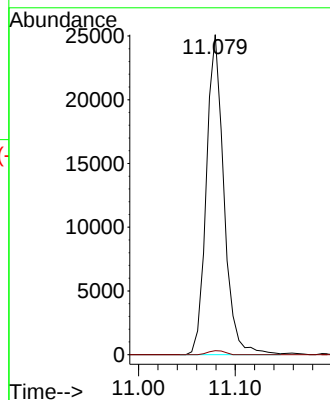
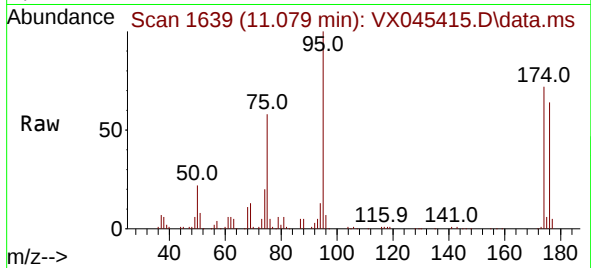




#76
1,2,3-Trichloropropane
Concen: 28.911 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Instrument :
MSVOA_X
ClientSampleId :
RE132D3-20250318

Tgt Ion: 75 Resp: 31717
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.940 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045415.D
Acq: 24 Mar 2025 15:17

Tgt Ion: 75 Resp: 31717
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

