

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045442.D
 Acq On : 25 Mar 2025 15:59
 Operator : JC/MD
 Sample : Q1608-16DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D4-20250318DL

Quant Time: Mar 26 01:40:20 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)

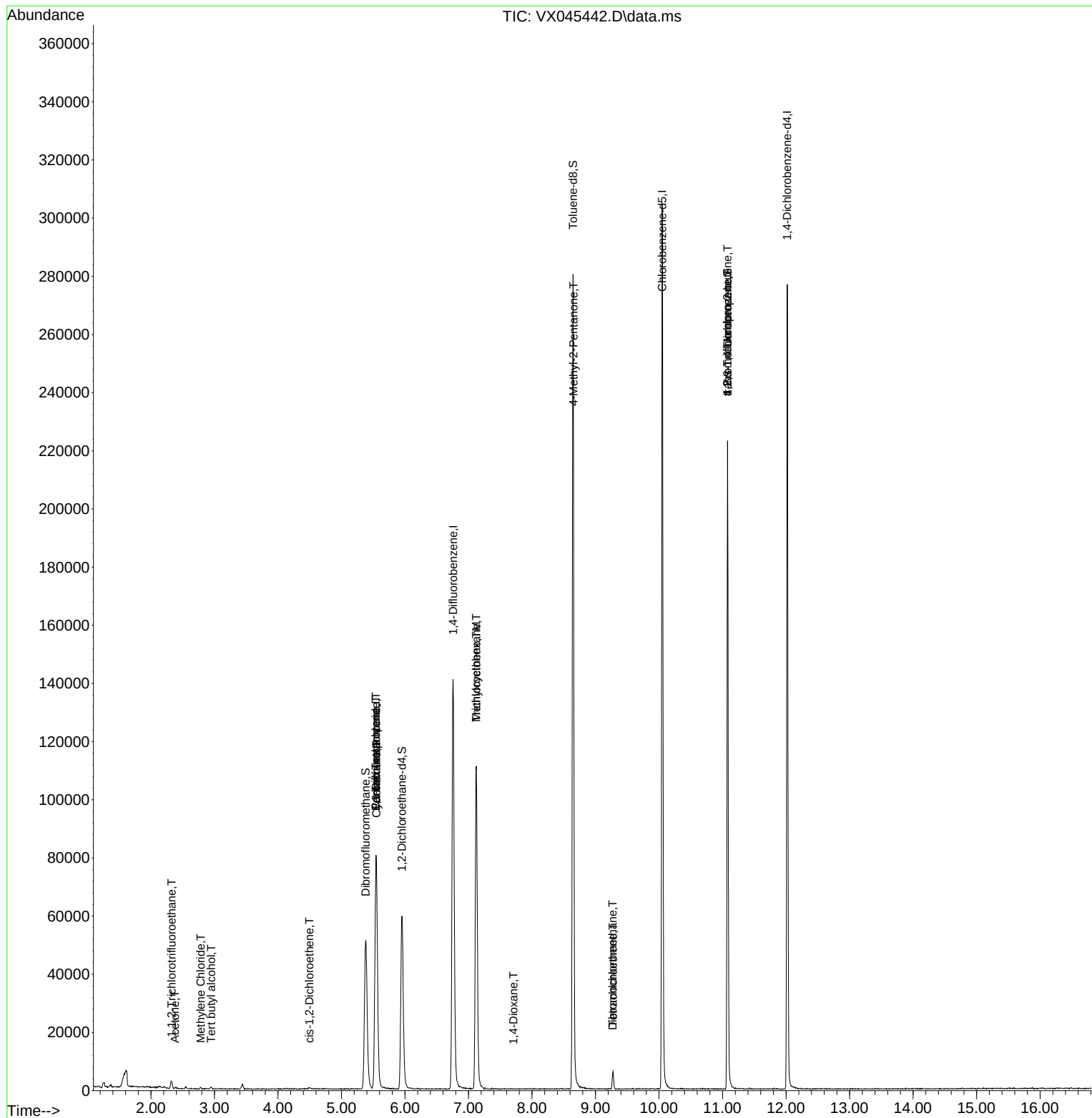
Internal Standards						
1) Pentafluorobenzene	5.544	168	69510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	138470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61209	55.360	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.720%	
35) Dibromofluoromethane	5.379	113	44932	48.527	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.060%	
50) Toluene-d8	8.647	98	161111	47.996	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	11.079	95	56923	51.175	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.340%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.325	101	1159	1.435	ug/l	90
11) Tert butyl alcohol	2.947	59	144	0.688	ug/l #	73
16) Acetone	2.380	43	490	0.955	ug/l #	44
20) Methylene Chloride	2.782	84	238	0.234	ug/l #	69
27) cis-1,2-Dichloroethene	4.495	96	339	0.325	ug/l	77
31) Cyclohexane	5.550	56	2053	1.365	ug/l #	28
36) 1,1-Dichloropropene	5.544	75	6971	5.490	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7693	5.968	ug/l #	15
39) Methylcyclohexane	7.123	83	605	0.398	ug/l #	1
44) Trichloroethene	7.123	130	40933	43.475	ug/l	99
49) 1,4-Dioxane	7.708	88	24	0.937	ug/l #	23
51) 4-Methyl-2-Pentanone	8.653	43	938	0.577	ug/l #	1
60) Dibromochloromethane	9.269	129	1049	1.036	ug/l #	11
64) Tetrachloroethene	9.275	164	1124	1.374	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	32924	27.845	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	32924	95.291	ug/l #	6

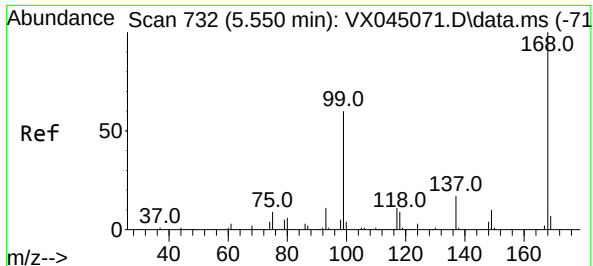
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
Data File : VX045442.D
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ClientSampleId :
RE132D4-20250318DL

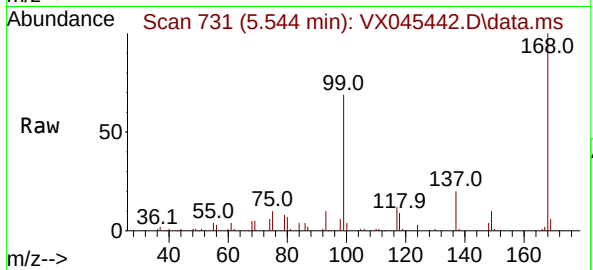
Quant Time: Mar 26 01:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



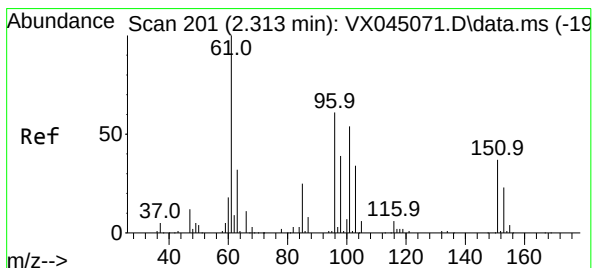
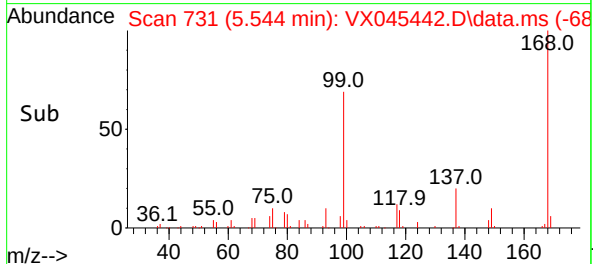
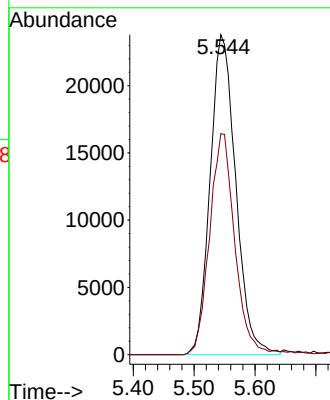


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

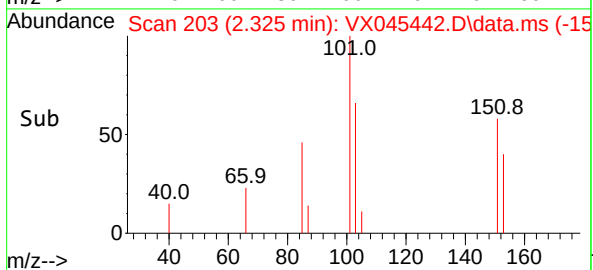
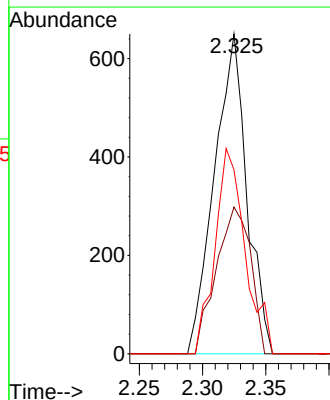
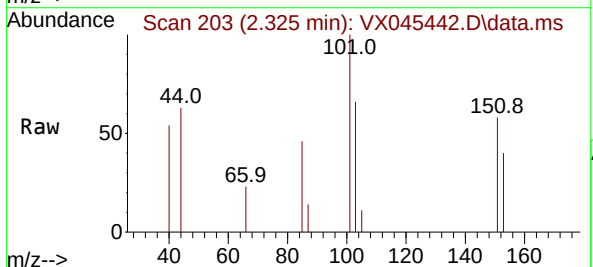


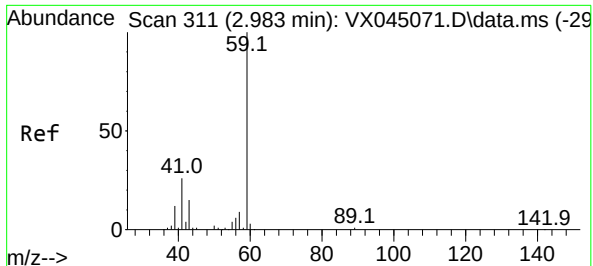
Tgt Ion:168 Resp: 69510
Ion Ratio Lower Upper
168 100
99 69.1 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.435 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:101 Resp: 1159
Ion Ratio Lower Upper
101 100
85 48.7 36.2 54.4
151 59.5 56.4 84.6





#11

Tert butyl alcohol

Concen: 0.688 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045442.D

Acq: 25 Mar 2025 15:59

Instrument :

MSVOA_X

ClientSampleId :

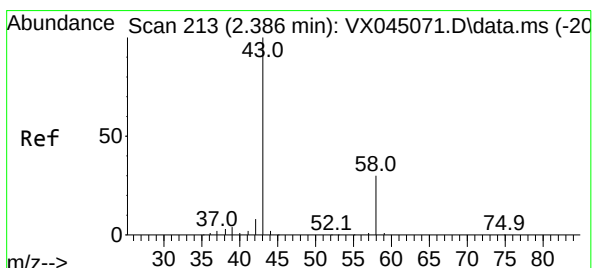
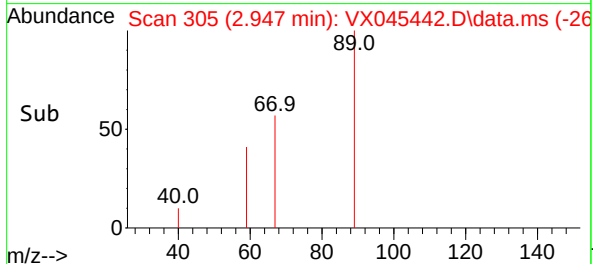
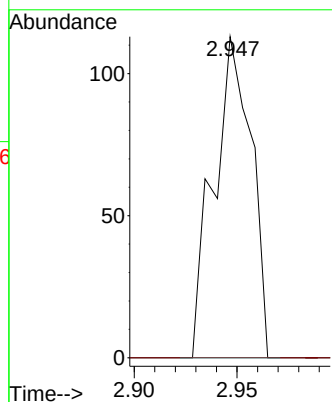
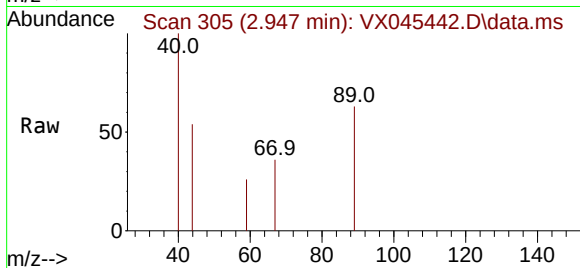
RE132D4-20250318DL

Tgt Ion: 59 Resp: 144

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 0.955 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045442.D

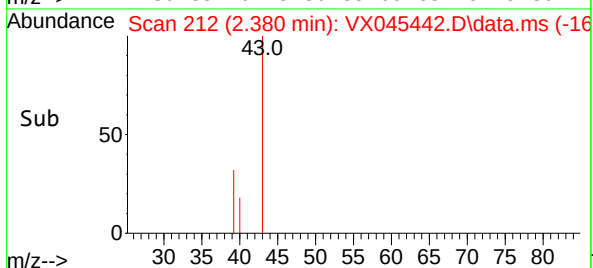
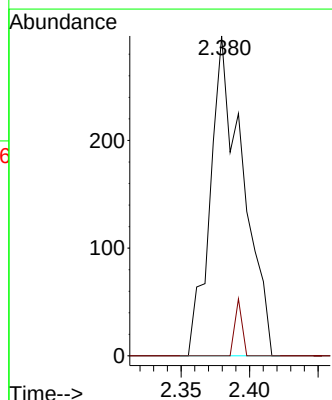
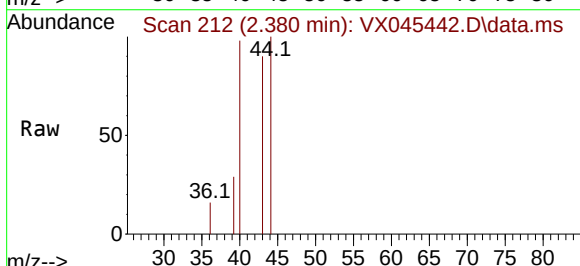
Acq: 25 Mar 2025 15:59

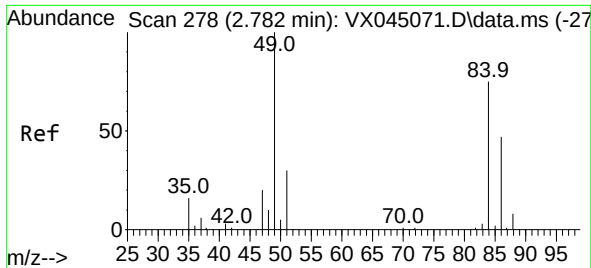
Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#

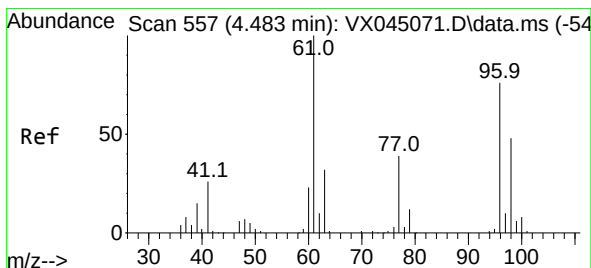
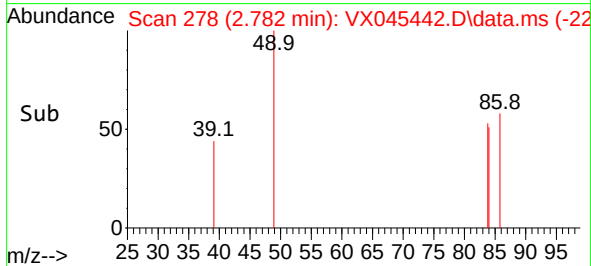
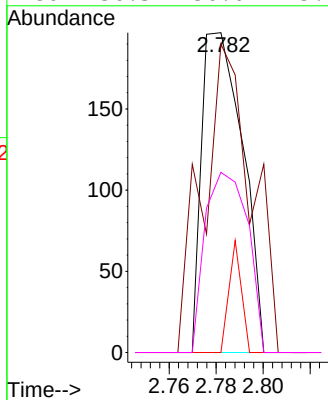
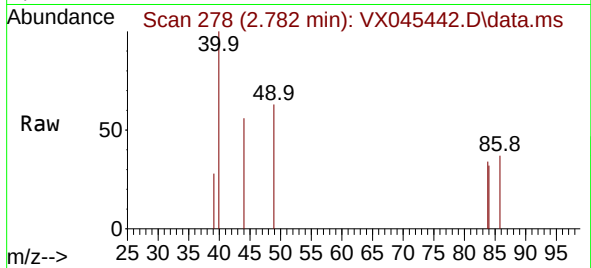




#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

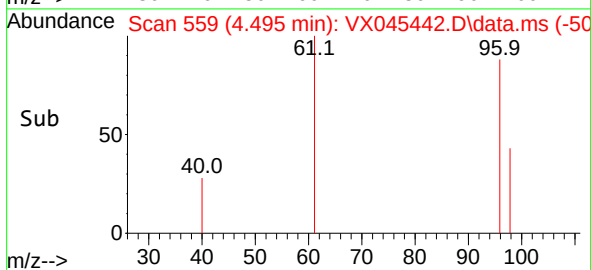
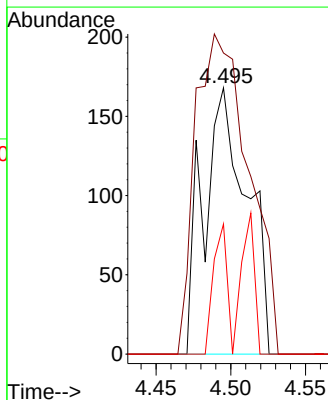
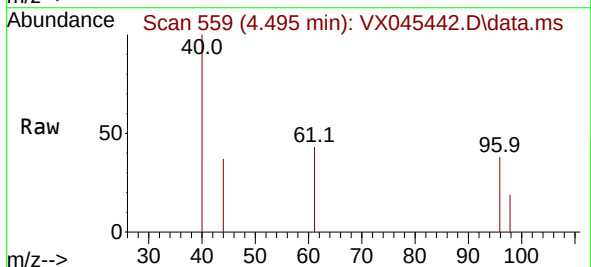
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

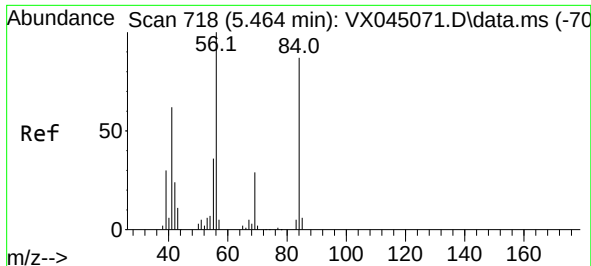
Tgt Ion:	84	Resp:	238
Ion	Ratio	Lower	Upper
84	100		
49	96.4	106.5	159.7#
51	0.0	32.1	48.1#
86	56.3	50.0	75.0



#27
cis-1,2-Dichloroethene
Concen: 0.325 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:	96	Resp:	339
Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	283.2
98	15.3	0.0	128.0

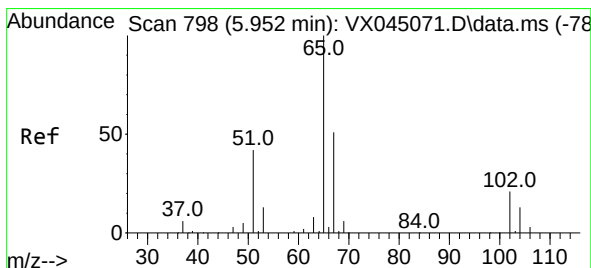
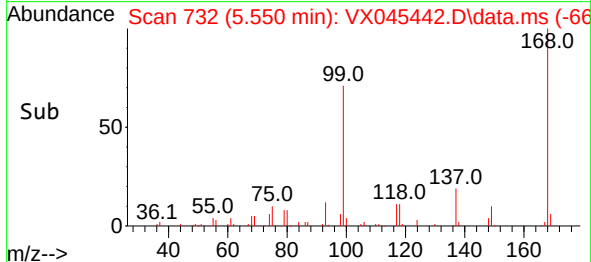
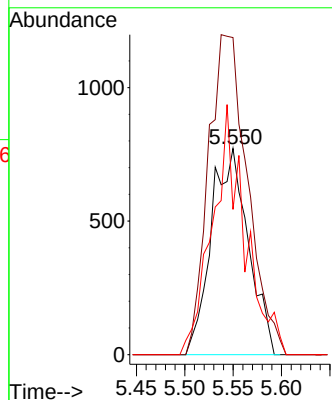
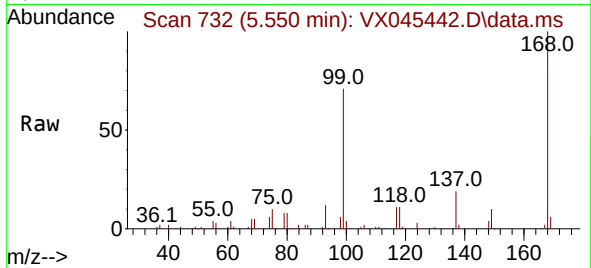




#31
Cyclohexane
Concen: 1.365 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

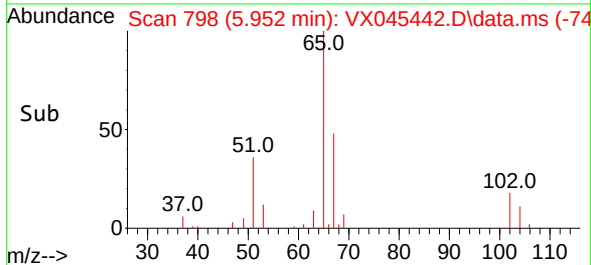
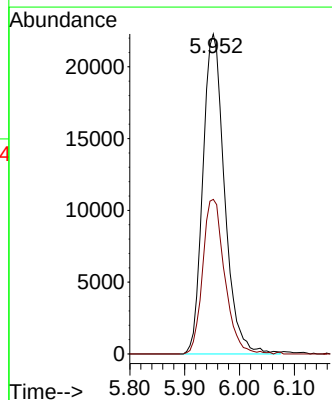
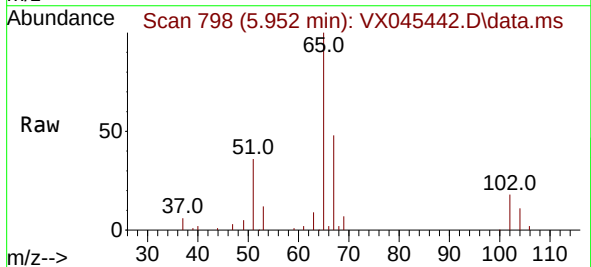
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

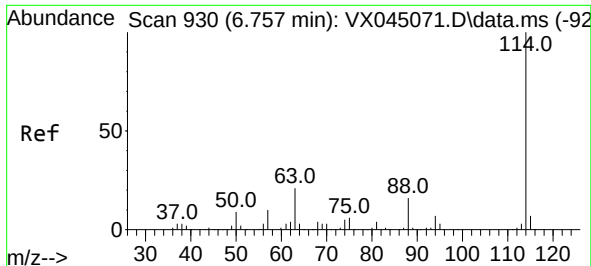
Tgt Ion: 56 Resp: 2053
Ion Ratio Lower Upper
56 100
69 153.8 23.4 35.2#
84 70.5 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 55.360 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion: 65 Resp: 61209
Ion Ratio Lower Upper
65 100
67 49.1 0.0 106.2

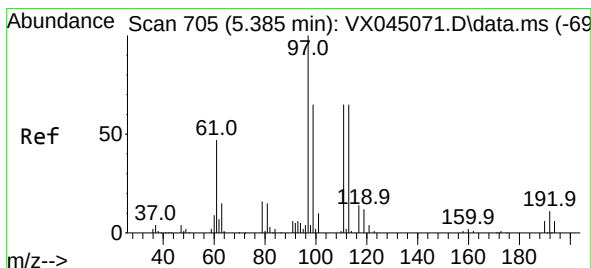
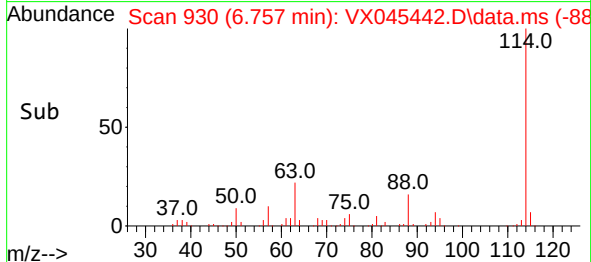
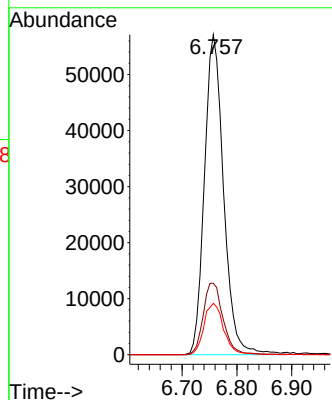
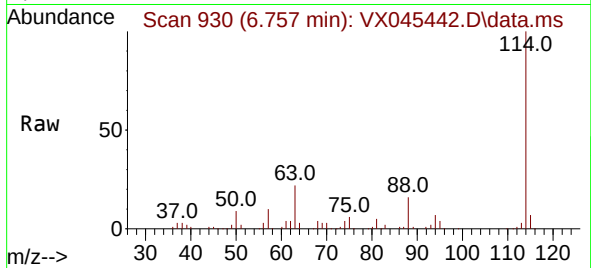




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

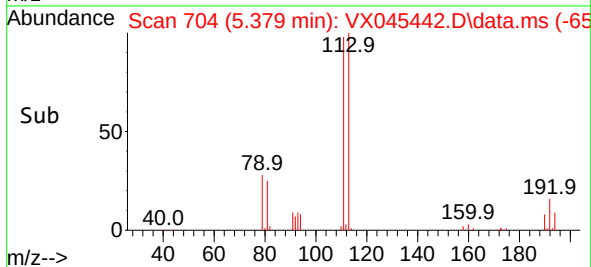
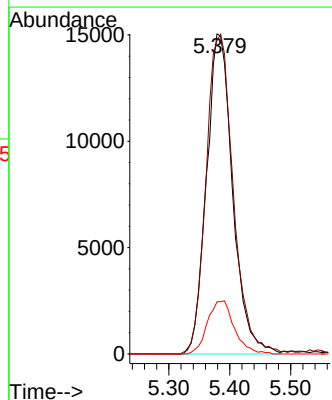
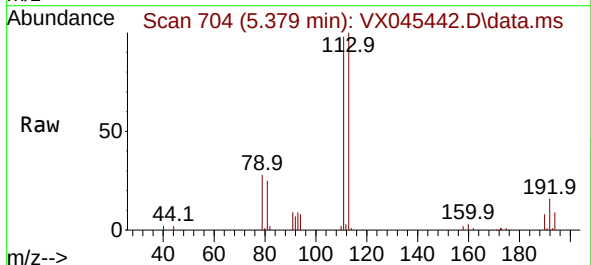
Instrument :
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ClientSampleId :
RE132D4-20250318DL

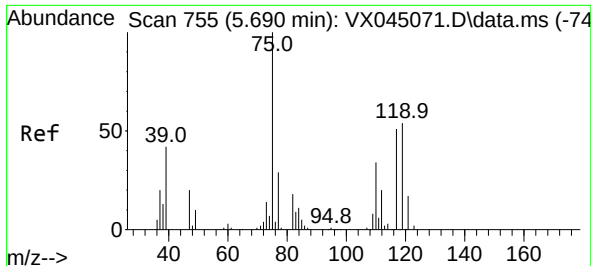
Tgt Ion:114 Resp: 138470
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.527 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:113 Resp: 44932
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 17.0 14.3 21.5

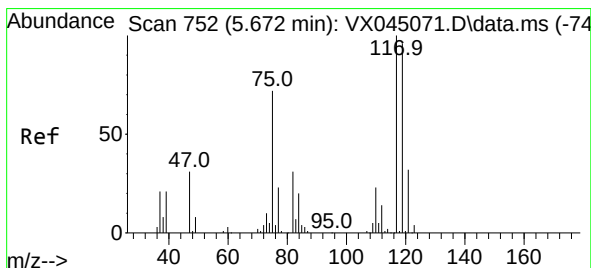
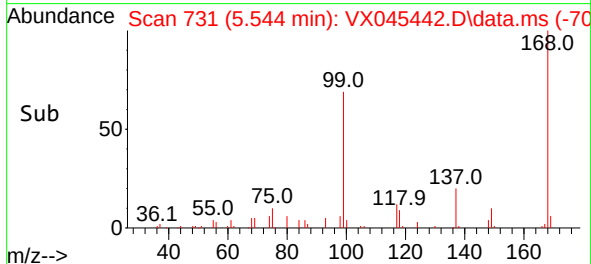
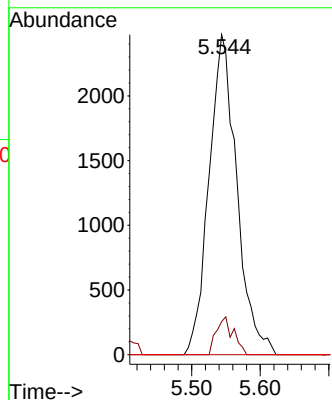
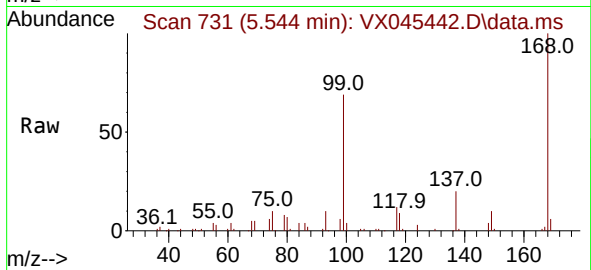




#36
1,1-Dichloropropene
Concen: 5.490 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

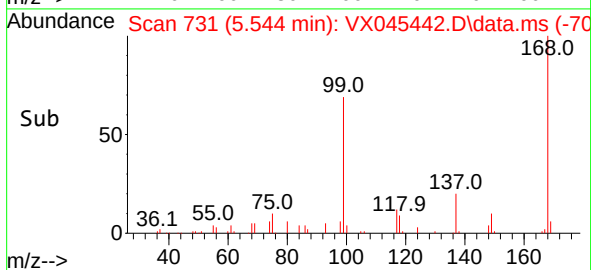
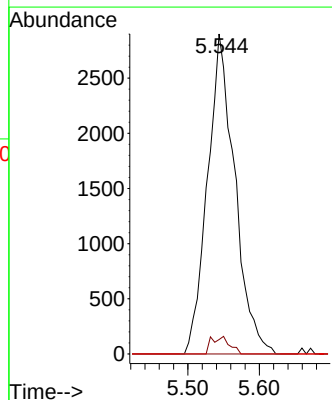
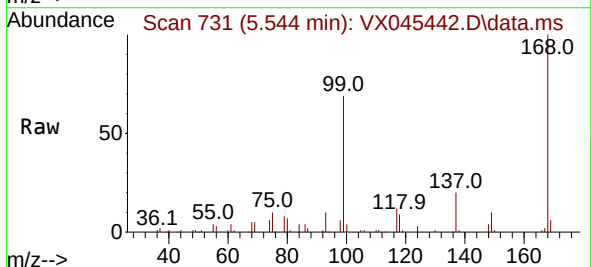
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RE132D4-20250318DL

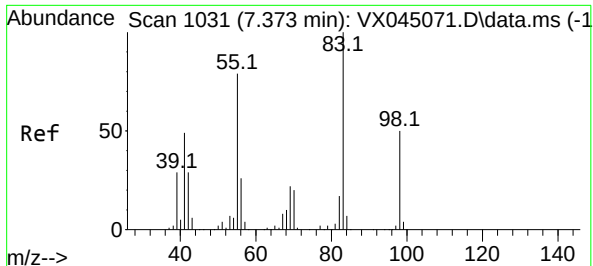
Tgt Ion: 75 Resp: 6971
Ion Ratio Lower Upper
75 100
110 7.2 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.968 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion: 117 Resp: 7693
Ion Ratio Lower Upper
117 100
119 4.5 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.398 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045442.D

Acq: 25 Mar 2025 15:59

Instrument :

MSVOA_X

ClientSampleId :

RE132D4-20250318DL

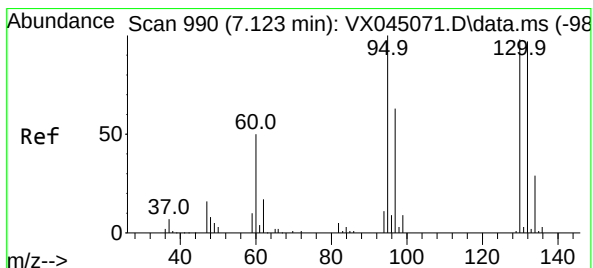
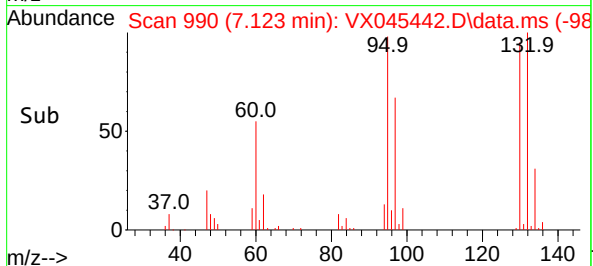
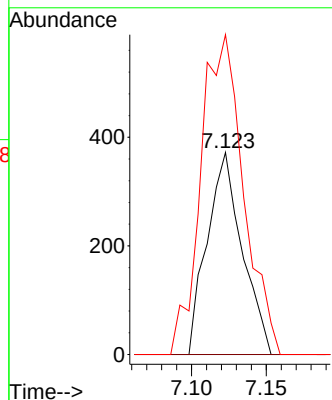
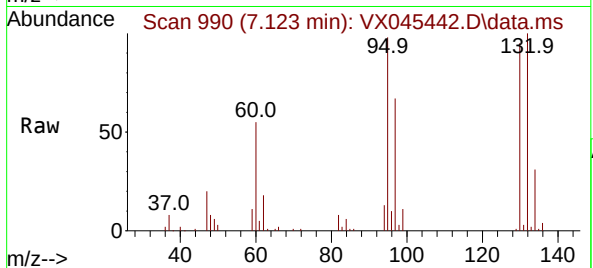
Tgt Ion: 83 Resp: 605

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 158.3 39.7 59.5#



#44

Trichloroethene

Concen: 43.475 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045442.D

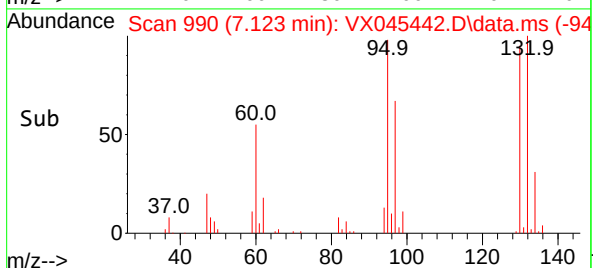
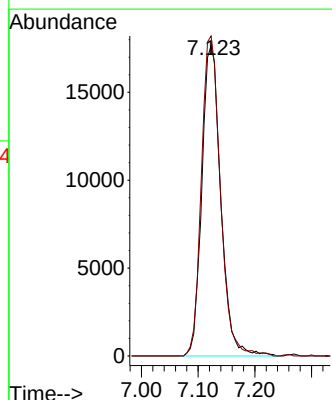
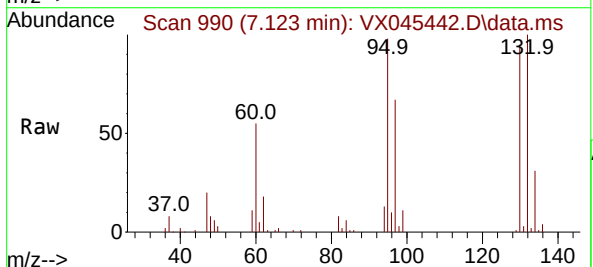
Acq: 25 Mar 2025 15:59

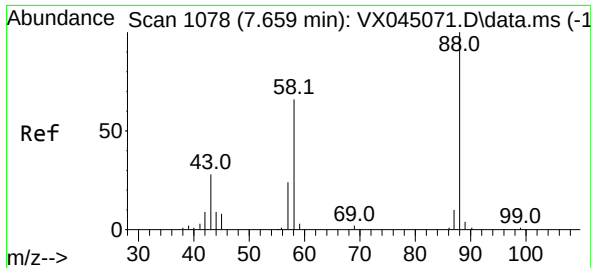
Tgt Ion:130 Resp: 40933

Ion Ratio Lower Upper

130 100

95 103.3 0.0 205.0

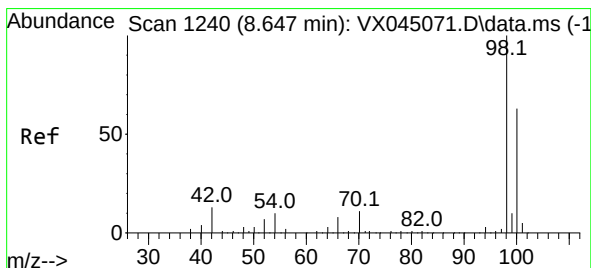
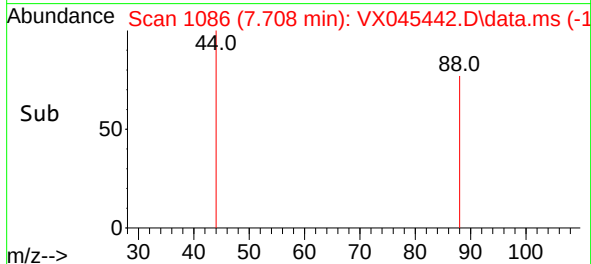
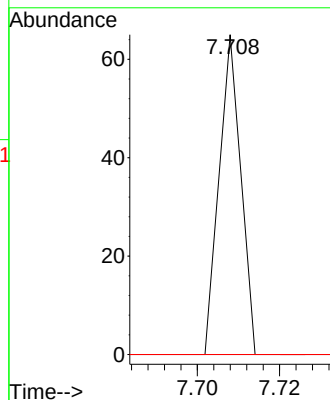
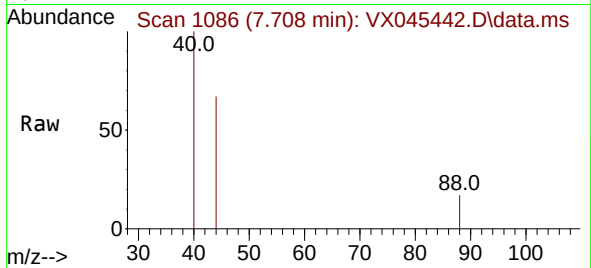




#49
1,4-Dioxane
Concen: 0.937 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.049 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

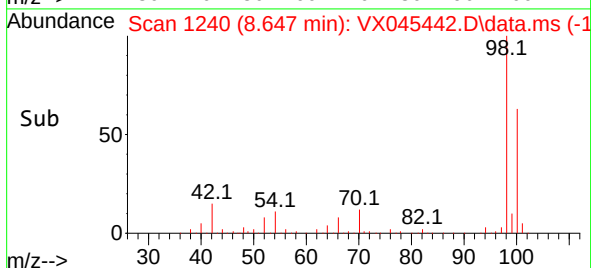
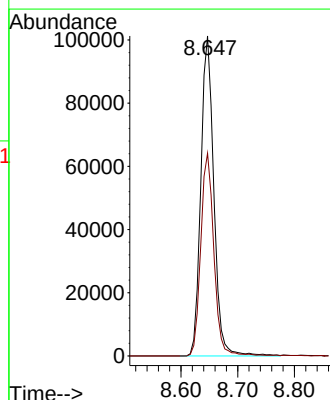
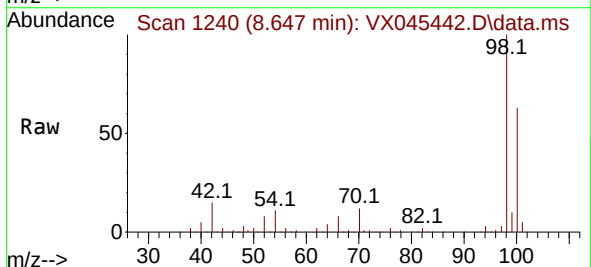
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

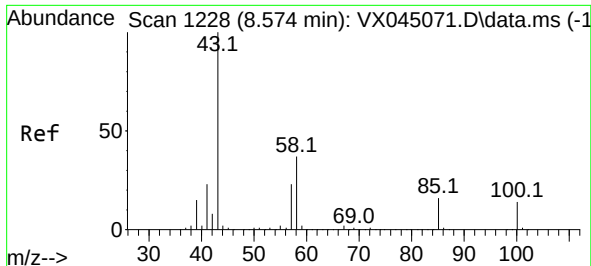
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#



#50
Toluene-d8
Concen: 47.996 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion: 98 Resp: 161111
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0

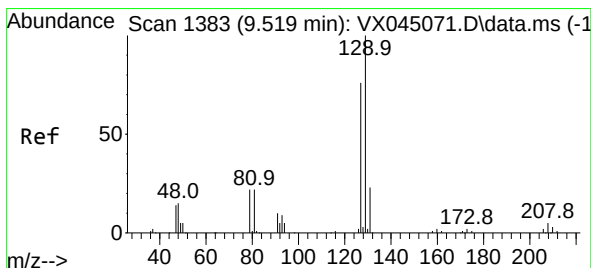
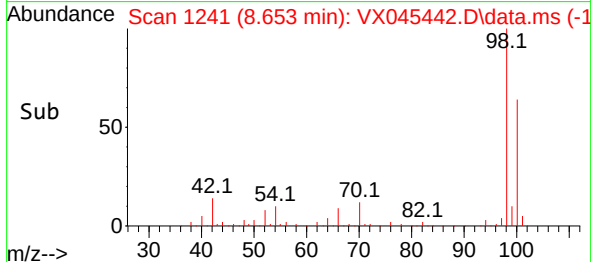
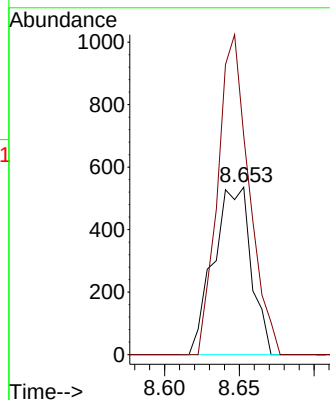
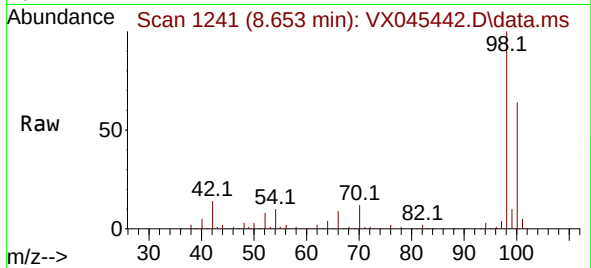




#51
4-Methyl-2-Pentanone
Concen: 0.577 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

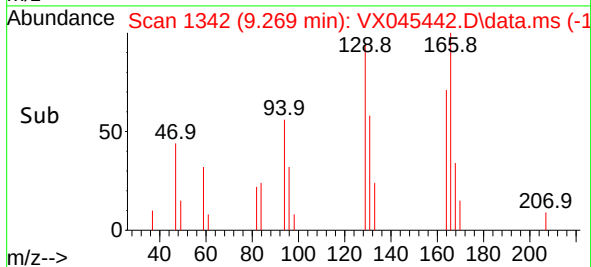
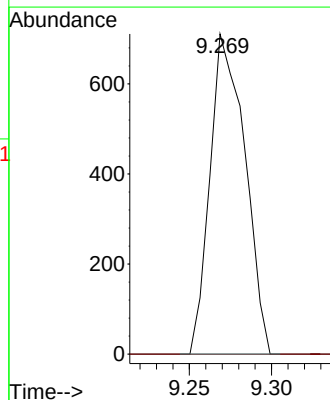
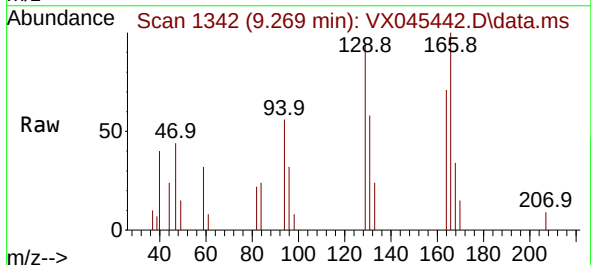
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

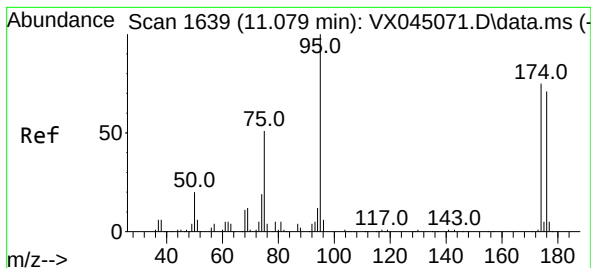
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 158.4 29.2 43.8#



#60
Dibromochloromethane
Concen: 1.036 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion: 129 Resp: 1049
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

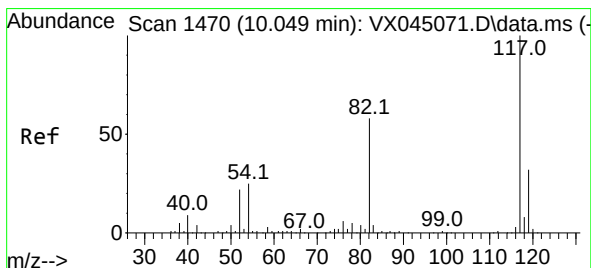
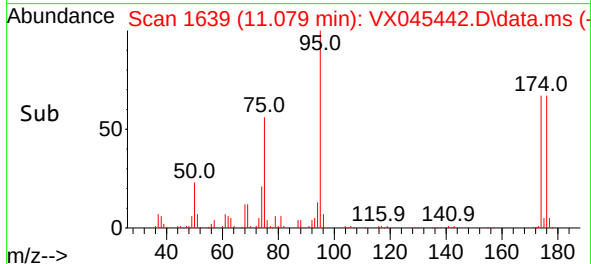
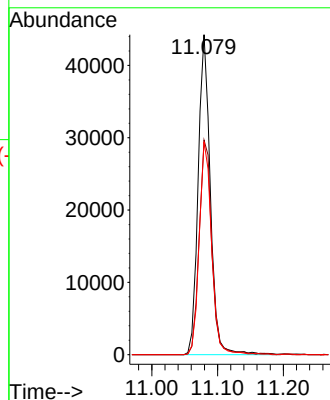
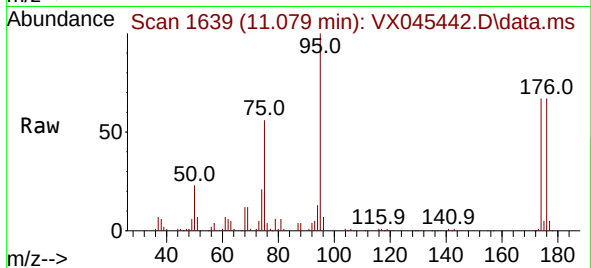




#62
4-Bromofluorobenzene
Concen: 51.175 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

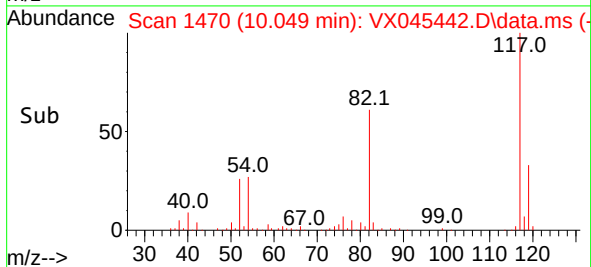
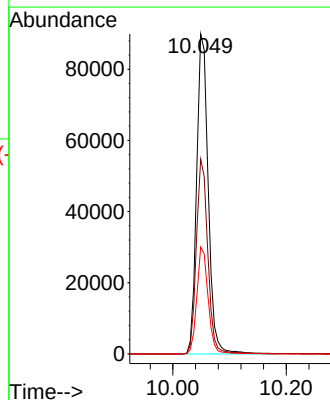
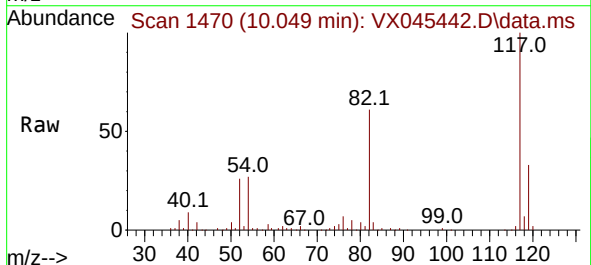
Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

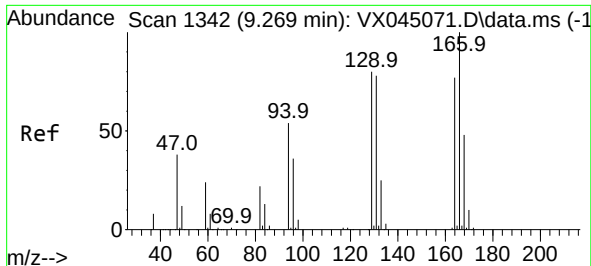
Tgt Ion: 95 Resp: 56923
Ion Ratio Lower Upper
95 100
174 69.6 0.0 148.2
176 68.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

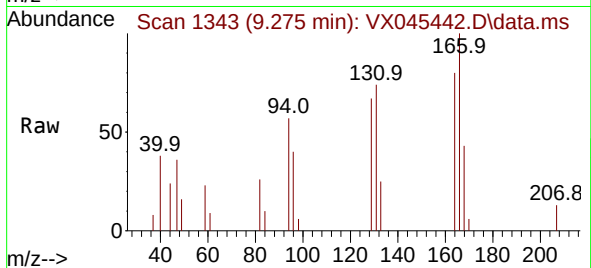
Tgt Ion: 117 Resp: 127707
Ion Ratio Lower Upper
117 100
82 60.9 46.3 69.5
119 33.4 25.7 38.5





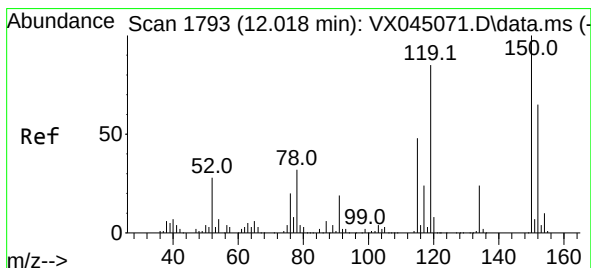
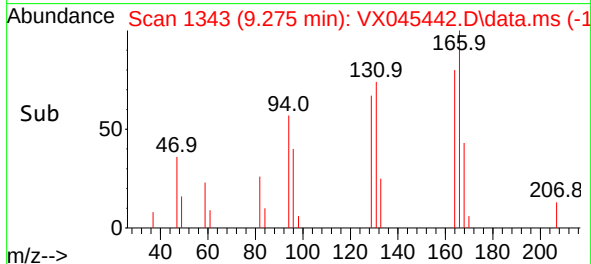
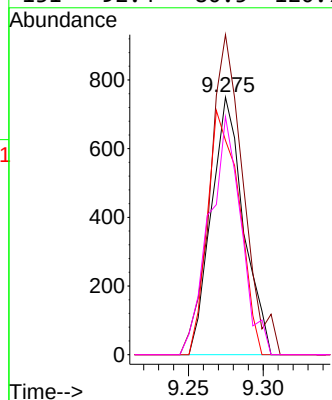
#64
Tetrachloroethene
Concen: 1.374 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL



Tgt Ion:164 Resp: 1124

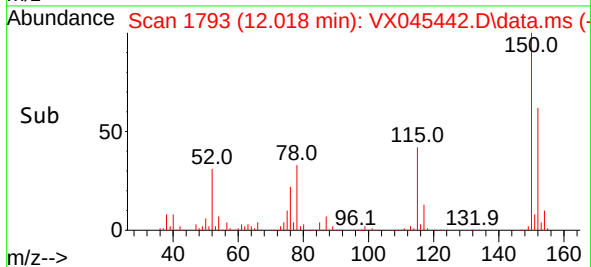
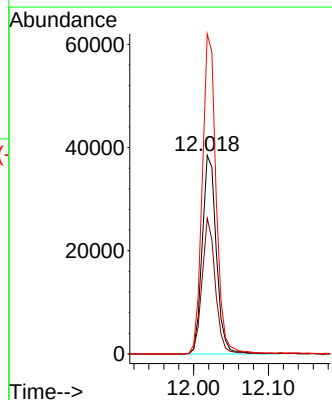
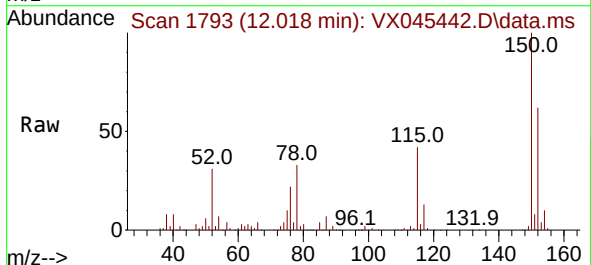
Ion	Ratio	Lower	Upper
164	100		
166	124.3	103.6	155.4
129	83.2	82.7	124.1
131	92.4	80.5	120.7

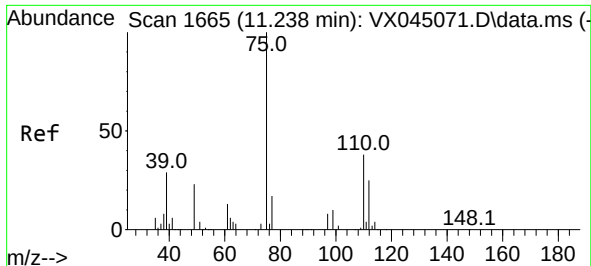


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion:152 Resp: 50801

Ion	Ratio	Lower	Upper
152	100		
115	63.8	44.2	132.6
150	157.0	0.0	349.0

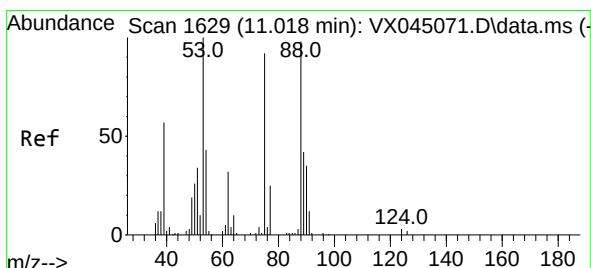
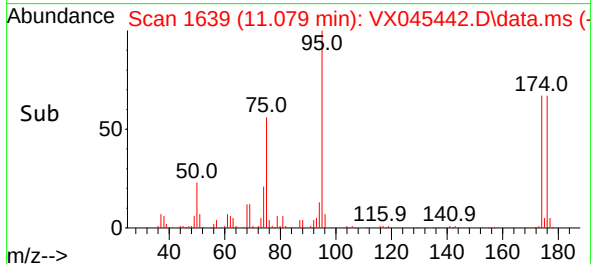
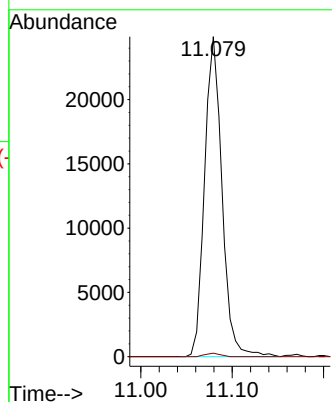
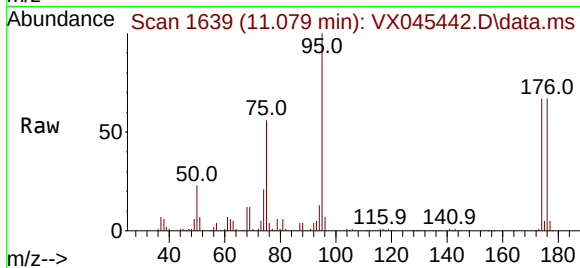




#76
1,2,3-Trichloropropane
Concen: 27.845 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Instrument :
MSVOA_X
ClientSampleId :
RE132D4-20250318DL

Tgt Ion: 75 Resp: 32924
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045442.D
Acq: 25 Mar 2025 15:59

Tgt Ion: 75 Resp: 32924
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

