

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032425\
 Data File : VX045409.D
 Acq On : 24 Mar 2025 12:57
 Operator : JC/MD
 Sample : Q1608-03DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE139D2-20250317DL

Quant Time: Mar 25 01:32:40 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)

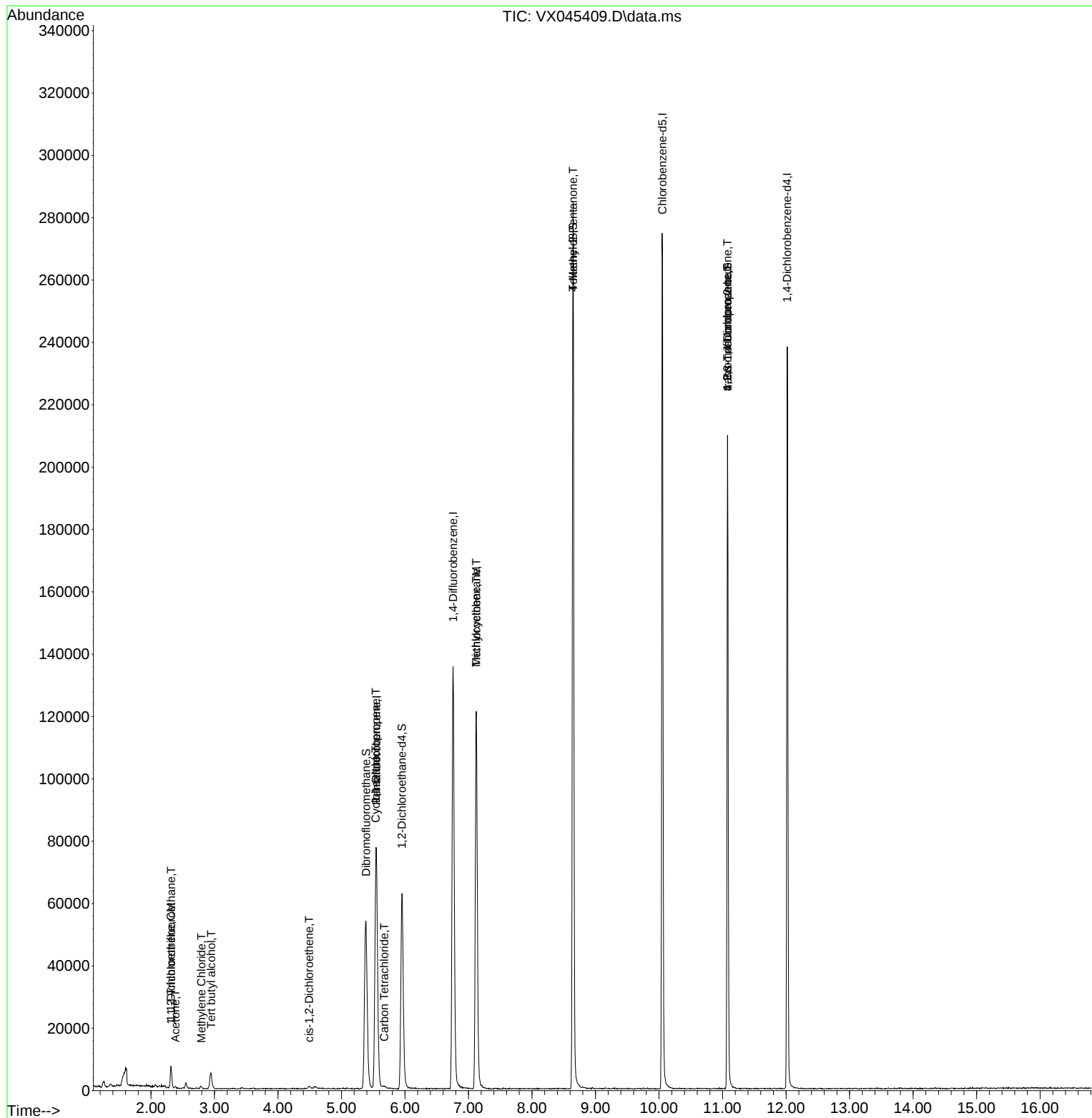
Internal Standards						
1) Pentafluorobenzene	5.550	168	67782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131487	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61534	57.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.140%
35) Dibromofluoromethane	5.385	113	47399	53.910	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.820%
50) Toluene-d8	8.647	98	164206	51.516	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.040%
62) 4-Bromofluorobenzene	11.079	95	55063	52.131	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.260%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	1419	1.801	ug/l	91
11) Tert butyl alcohol	2.946	59	3168	15.512	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	1278	1.534	ug/l	96
16) Acetone	2.386	43	589	1.177	ug/l #	75
20) Methylene Chloride	2.794	84	398	0.402	ug/l #	63
27) cis-1,2-Dichloroethene	4.489	96	436	0.429	ug/l	92
31) Cyclohexane	5.537	56	1949	1.329	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6553	5.435	ug/l #	51
38) Carbon Tetrachloride	5.672	117	393	0.321	ug/l #	83
39) Methylcyclohexane	7.123	83	564	0.390	ug/l #	1
44) Trichloroethene	7.123	130	44814	50.125	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	1032	0.669	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31920	29.617	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31920	101.355	ug/l #	6

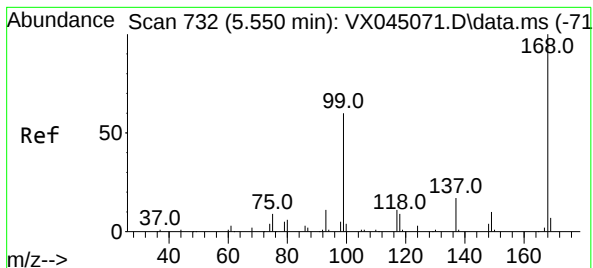
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 25 01:32:40 2025
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX045409.D

Acq: 24 Mar 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

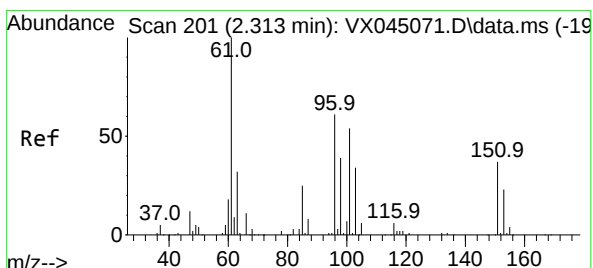
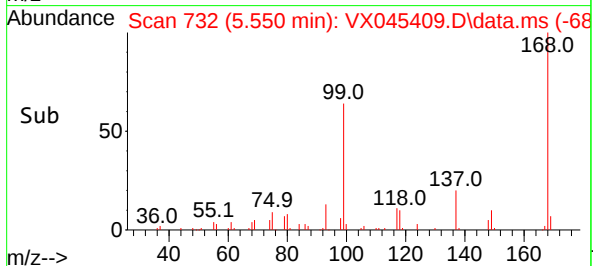
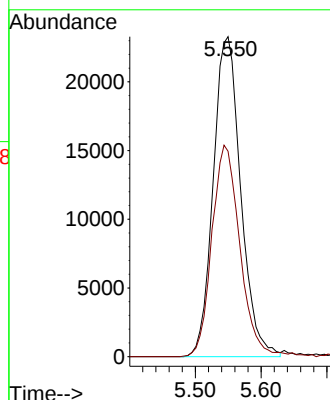
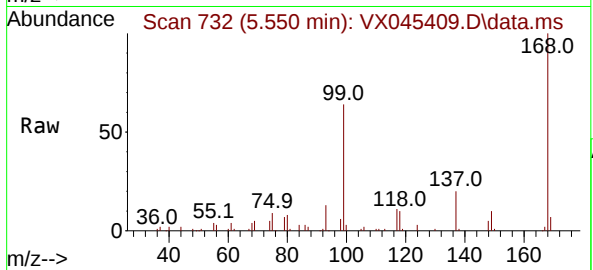
RE139D2-20250317DL

Tgt Ion:168 Resp: 67782

Ion Ratio Lower Upper

168 100

99 64.2 48.2 72.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.801 ug/l

RT: 2.319 min Scan# 202

Delta R.T. 0.006 min

Lab File: VX045409.D

Acq: 24 Mar 2025 12:57

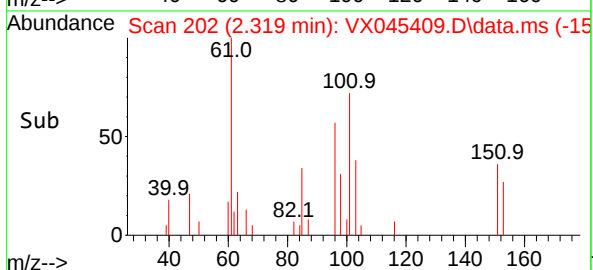
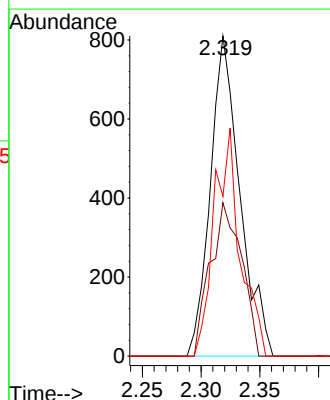
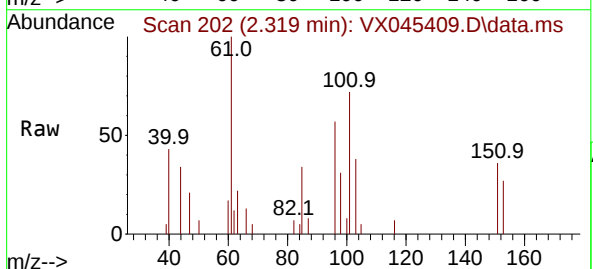
Tgt Ion:101 Resp: 1419

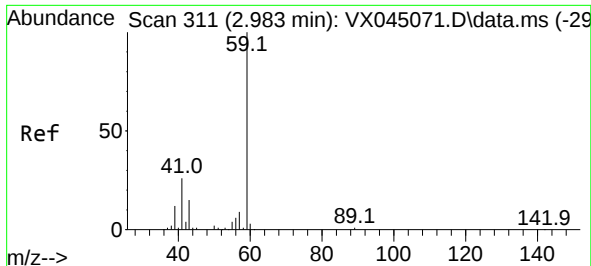
Ion Ratio Lower Upper

101 100

85 50.8 36.2 54.4

151 62.5 56.4 84.6

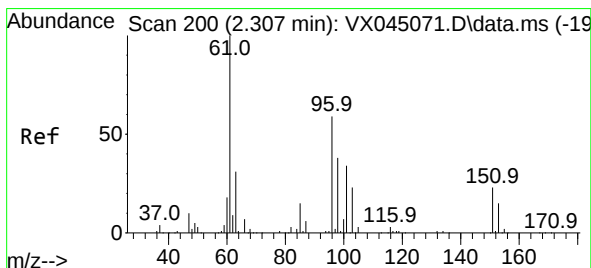
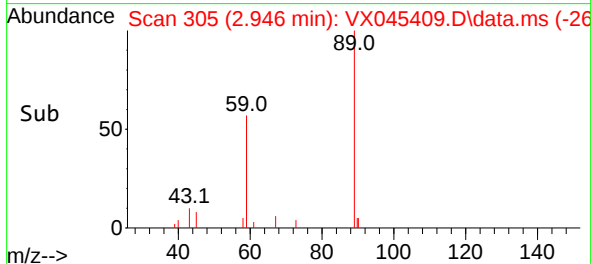
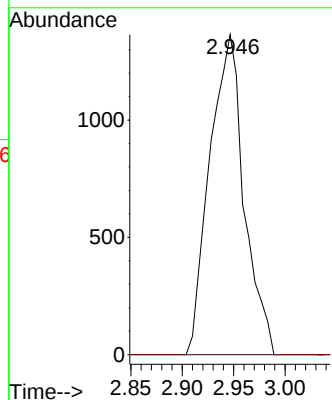
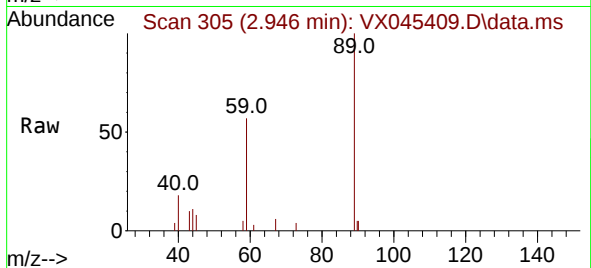




#11
Tert butyl alcohol
Concen: 15.512 ug/l
RT: 2.946 min Scan# 30
Delta R.T. -0.037 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

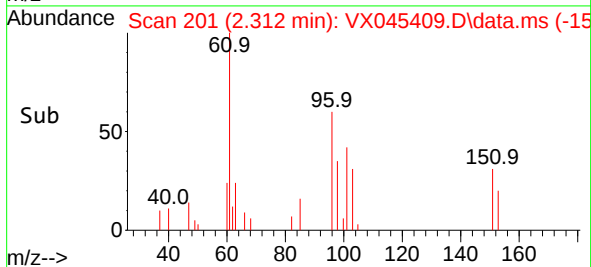
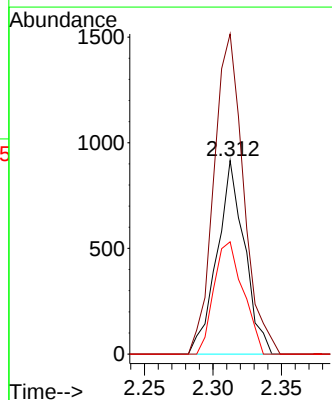
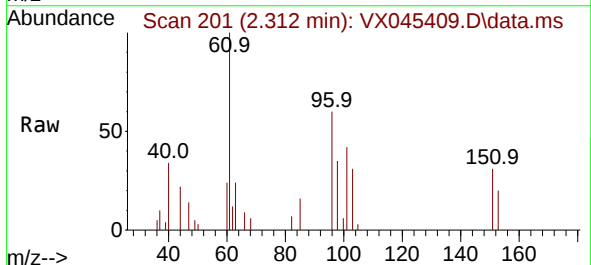
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

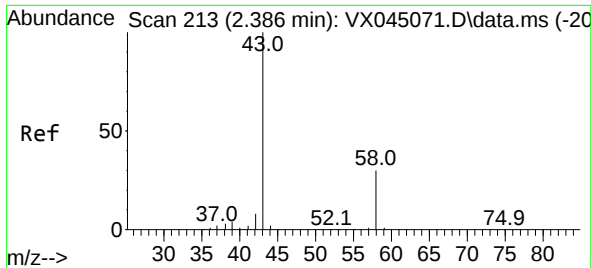
Tgt Ion: 59 Resp: 3168
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.534 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 96 Resp: 1278
Ion Ratio Lower Upper
96 100
61 165.4 134.6 202.0
98 58.0 51.0 76.6

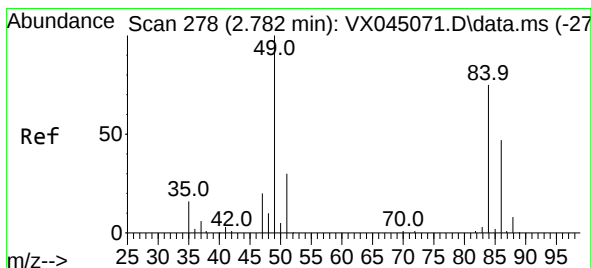
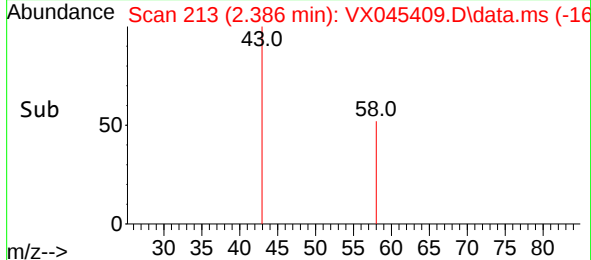
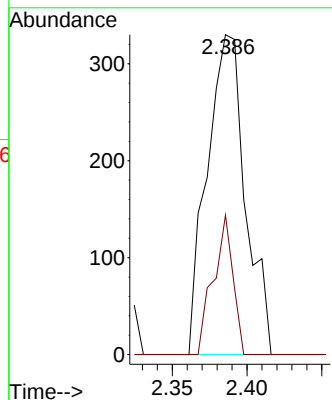
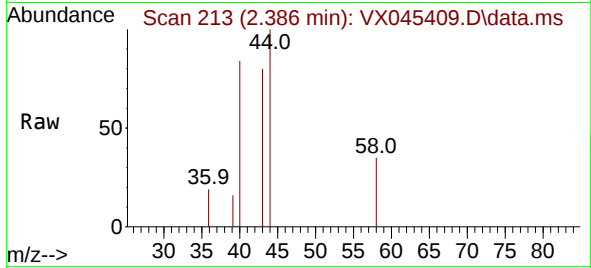




#16
Acetone
Concen: 1.177 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

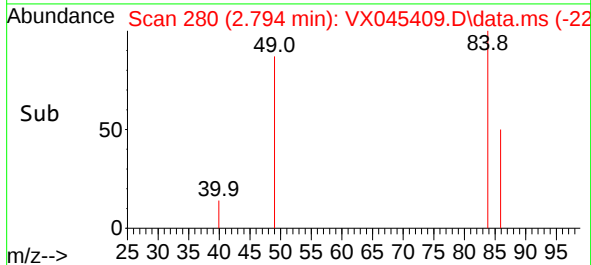
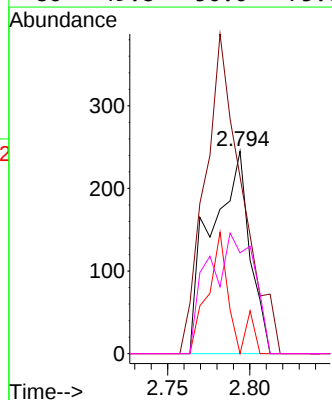
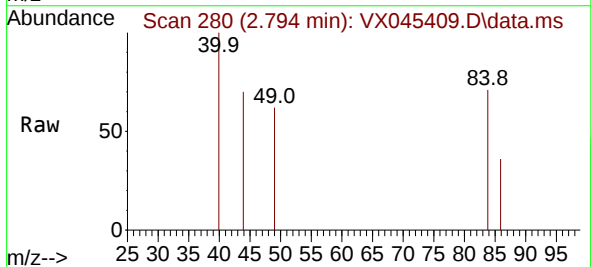
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

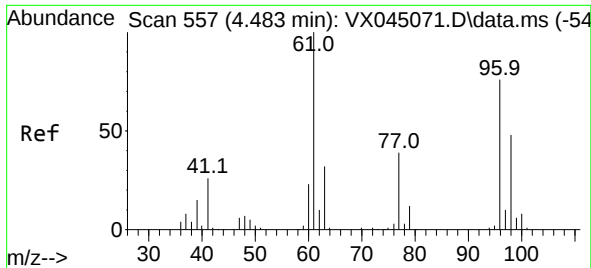
Tgt Ion: 43 Resp: 589
Ion Ratio Lower Upper
43 100
58 43.6 24.2 36.4#



#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 84 Resp: 398
Ion Ratio Lower Upper
84 100
49 87.3 106.5 159.7#
51 0.0 32.1 48.1#
86 49.8 50.0 75.0#





#27

cis-1,2-Dichloroethene

Concen: 0.429 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045409.D

Acq: 24 Mar 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

RE139D2-20250317DL

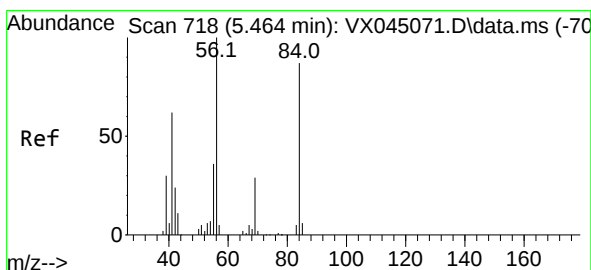
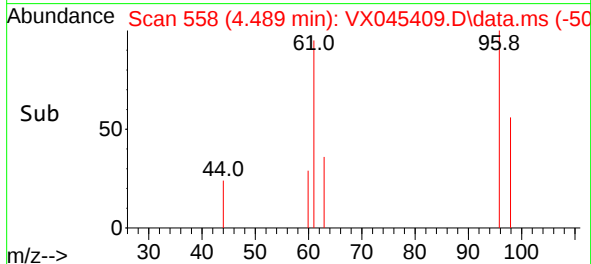
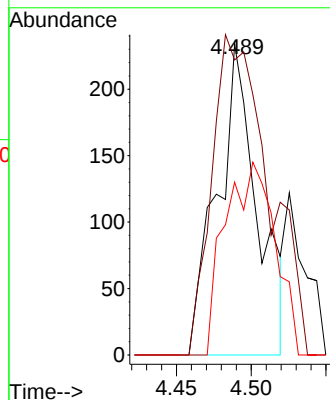
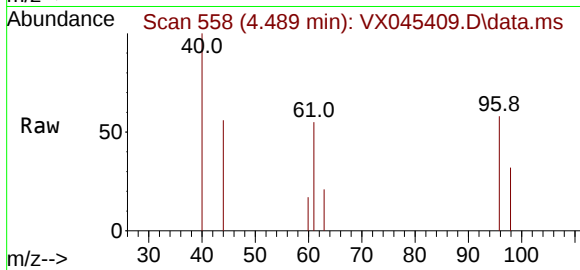
Tgt Ion: 96 Resp: 436

Ion Ratio Lower Upper

96 100

61 145.9 0.0 283.2

98 77.3 0.0 128.0



#31

Cyclohexane

Concen: 1.329 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045409.D

Acq: 24 Mar 2025 12:57

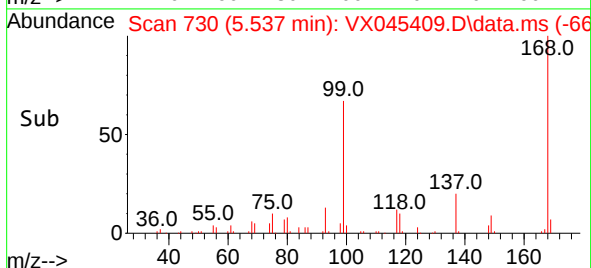
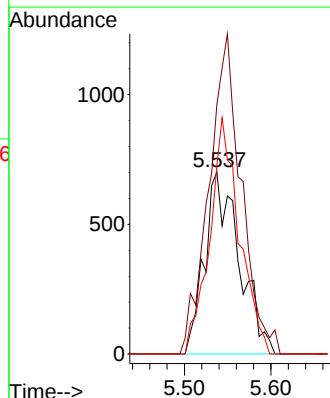
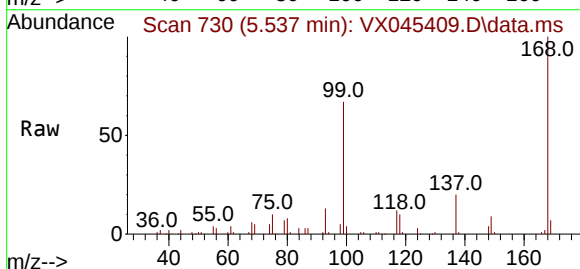
Tgt Ion: 56 Resp: 1949

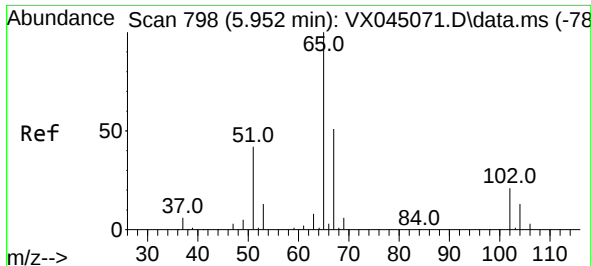
Ion Ratio Lower Upper

56 100

69 136.9 23.4 35.2#

84 103.3 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 57.073 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045409.D

Acq: 24 Mar 2025 12:57

Instrument :

MSVOA_X

ClientSampleId :

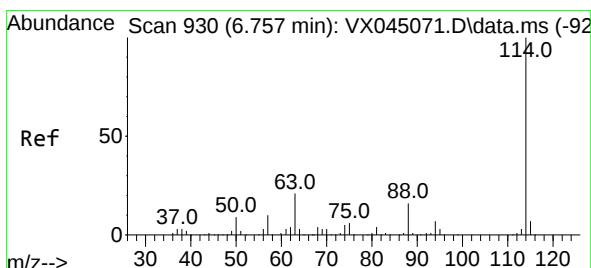
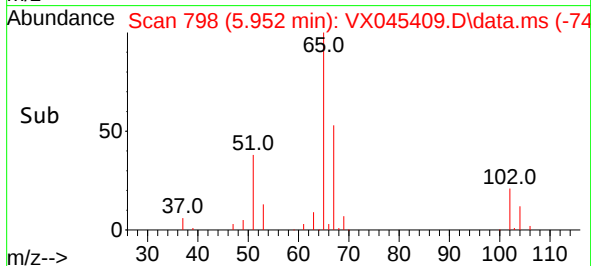
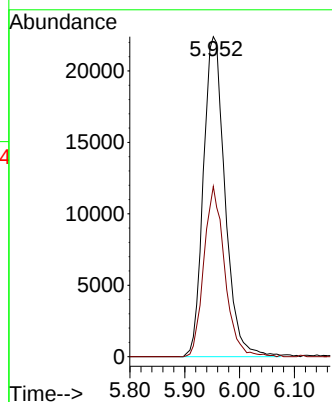
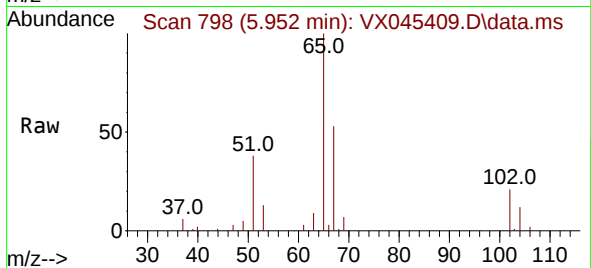
RE139D2-20250317DL

Tgt Ion: 65 Resp: 61534

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045409.D

Acq: 24 Mar 2025 12:57

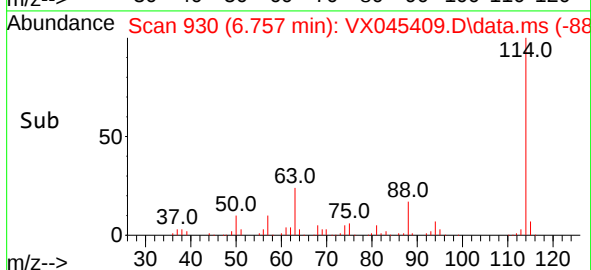
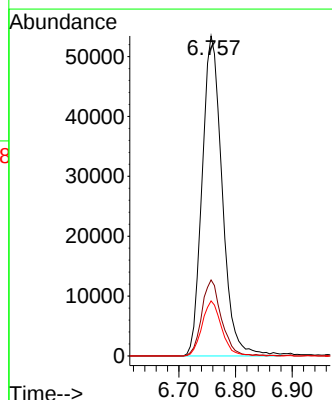
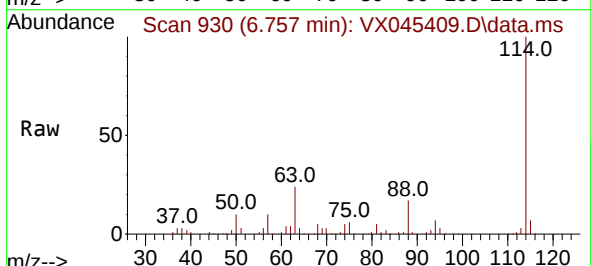
Tgt Ion: 114 Resp: 131487

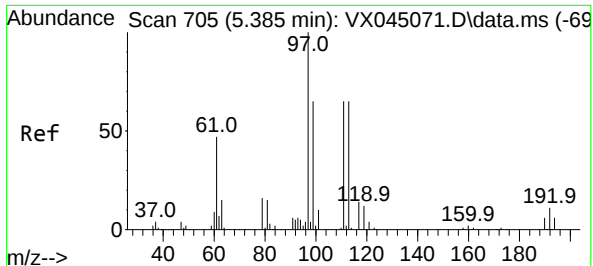
Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.8

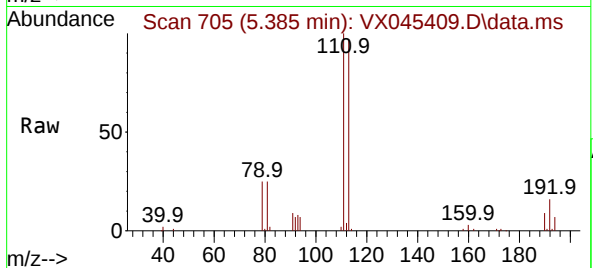
88 17.2 0.0 32.8



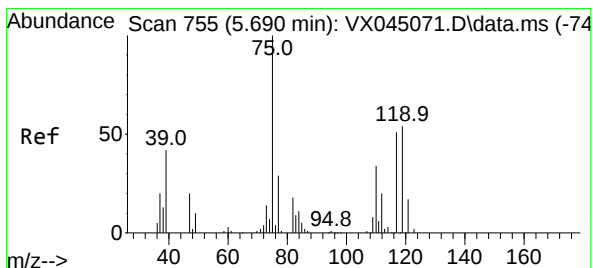
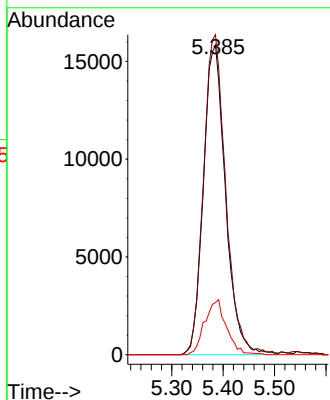
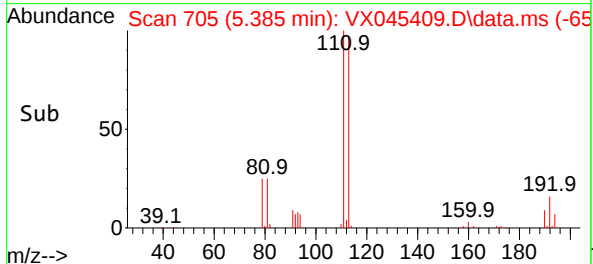


#35
Dibromofluoromethane
Concen: 53.910 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

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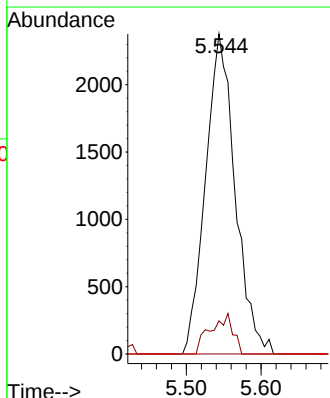
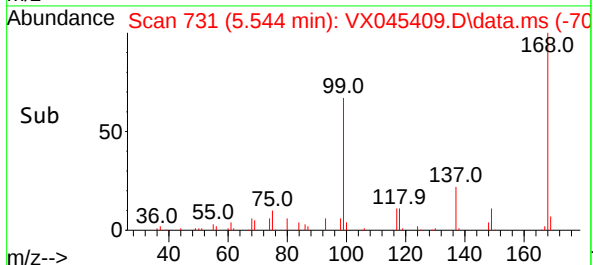
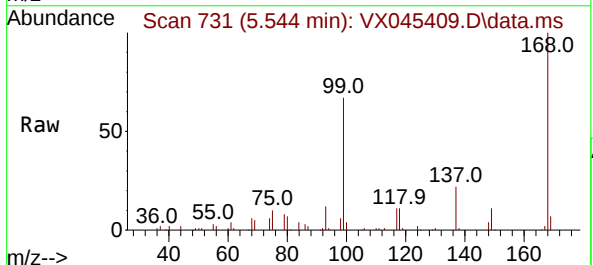


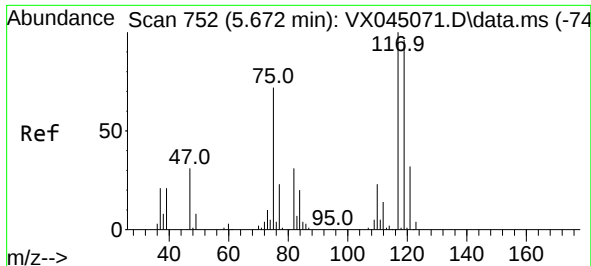
Tgt Ion:113 Resp: 47399
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.435 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 75 Resp: 6553
Ion Ratio Lower Upper
75 100
110 9.5 16.9 50.6#
77 0.0 24.5 36.7#

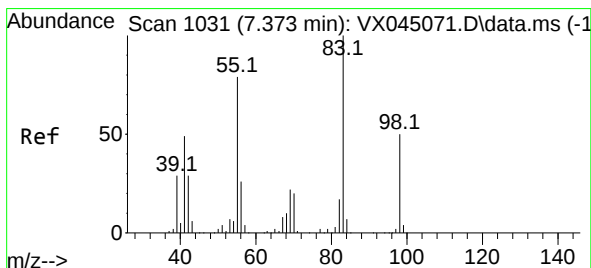
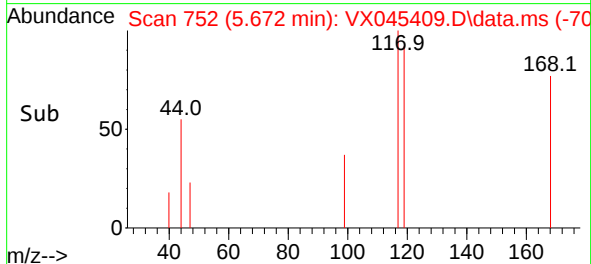
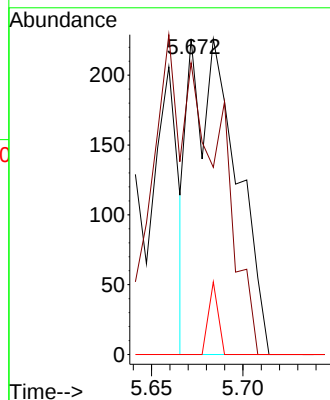
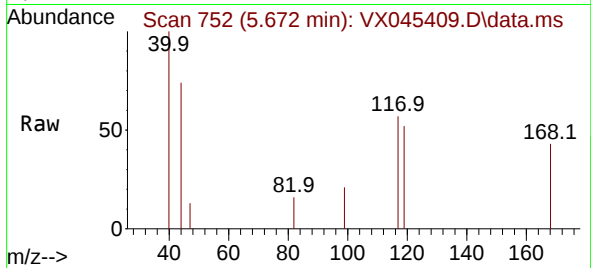




#38
Carbon Tetrachloride
Concen: 0.321 ug/l
RT: 5.672 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

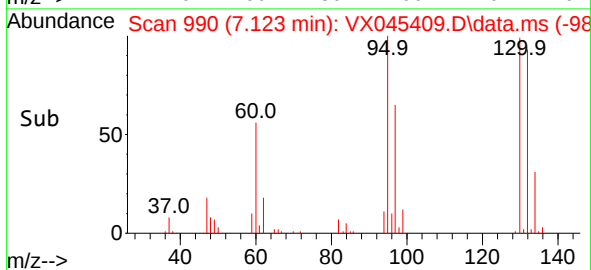
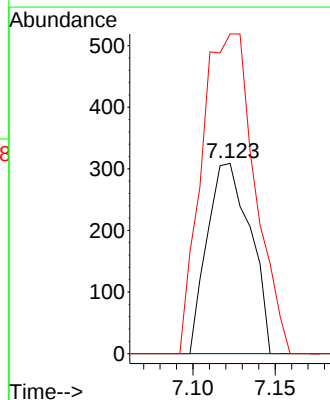
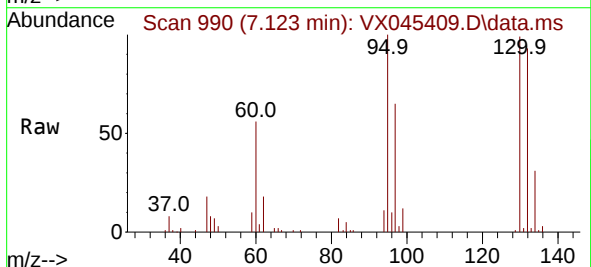
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

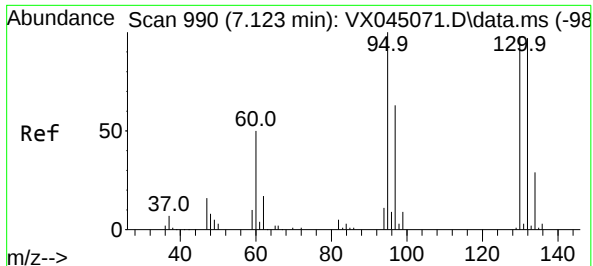
Tgt Ion:117 Resp: 393
Ion Ratio Lower Upper
117 100
119 92.5 76.7 115.1
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.390 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 83 Resp: 564
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 168.0 39.7 59.5#

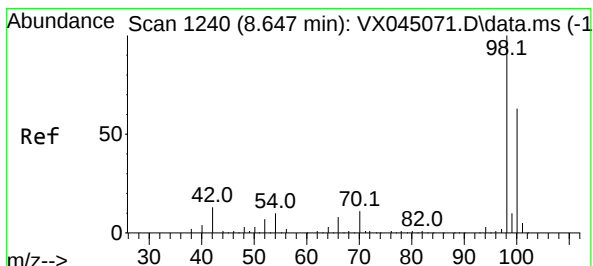
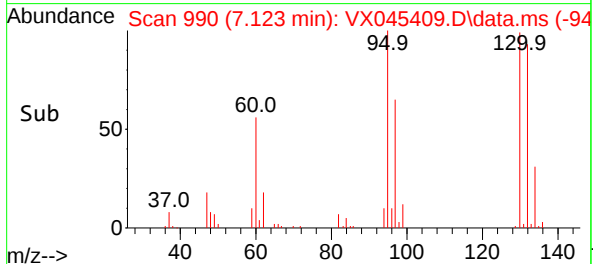
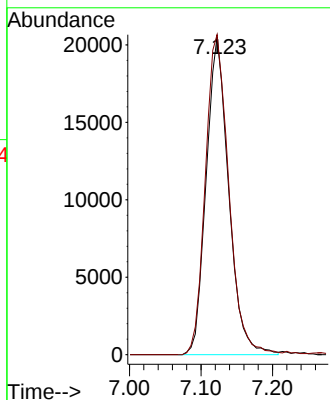
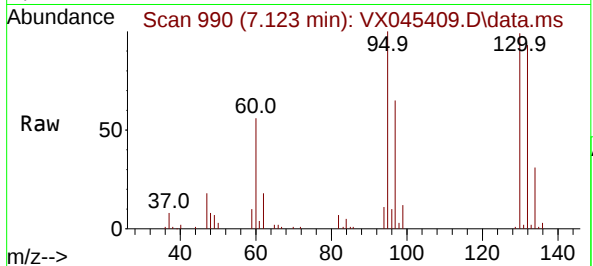




#44
Trichloroethene
Concen: 50.125 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

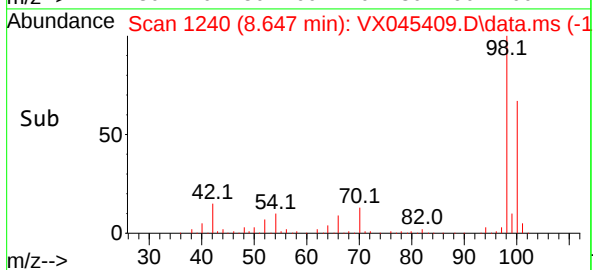
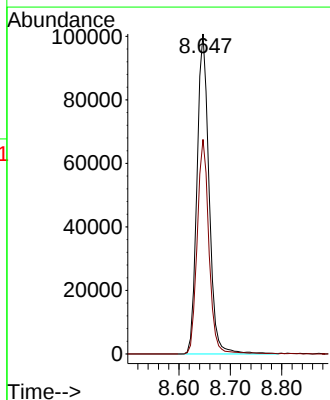
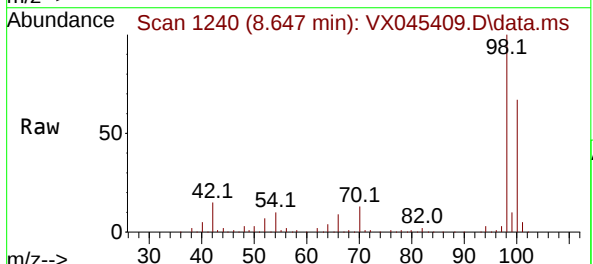
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

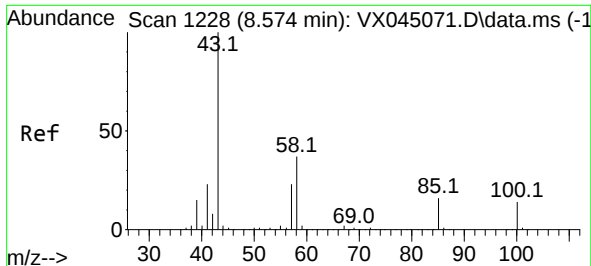
Tgt Ion:130 Resp: 44814
Ion Ratio Lower Upper
130 100
95 100.7 0.0 205.0



#50
Toluene-d8
Concen: 51.516 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 98 Resp: 164206
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

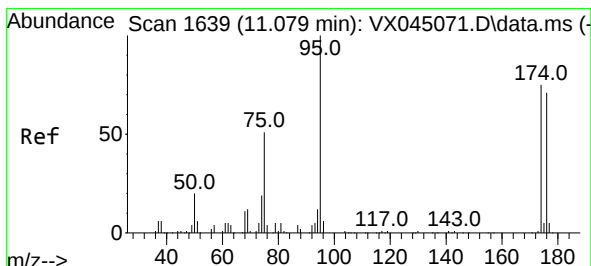
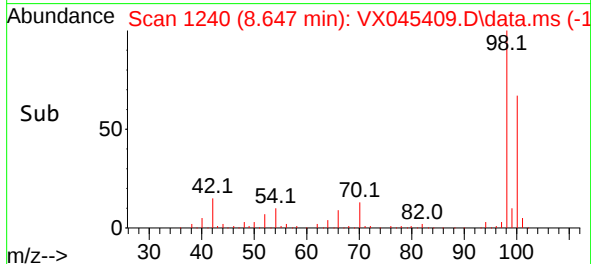
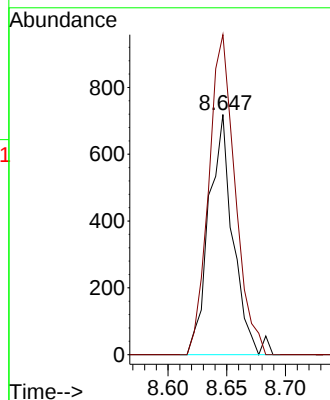
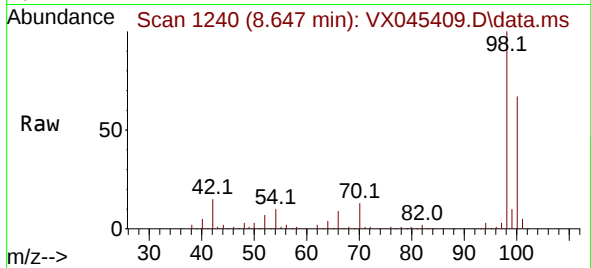




#51
4-Methyl-2-Pentanone
Concen: 0.669 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

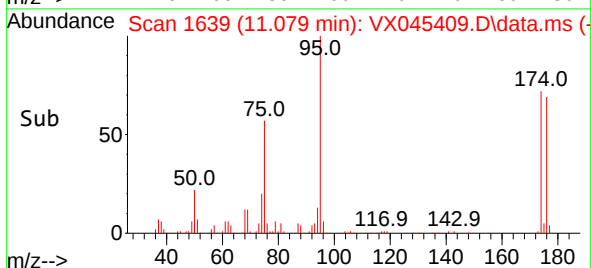
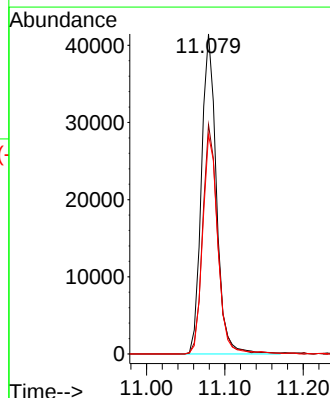
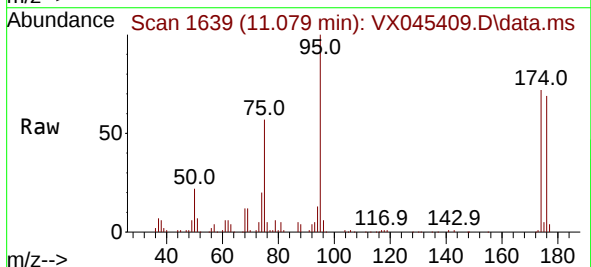
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

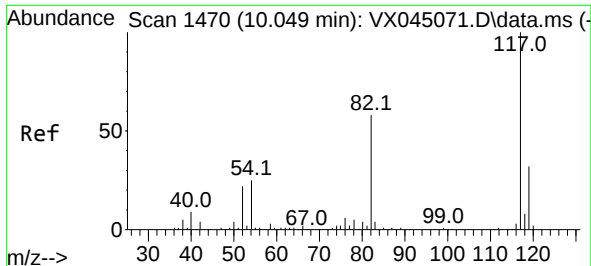
Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
58 144.7 29.2 43.8#



#62
4-Bromofluorobenzene
Concen: 52.131 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 95 Resp: 55063
Ion Ratio Lower Upper
95 100
174 71.8 0.0 148.2
176 69.6 0.0 141.4

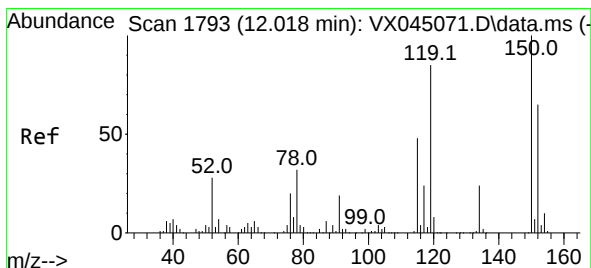
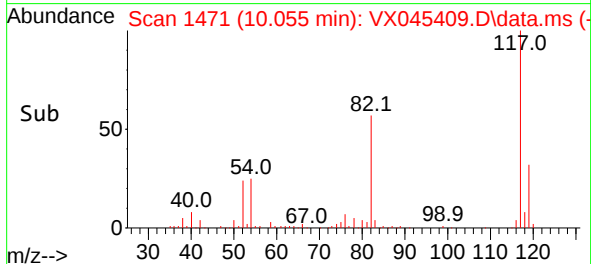
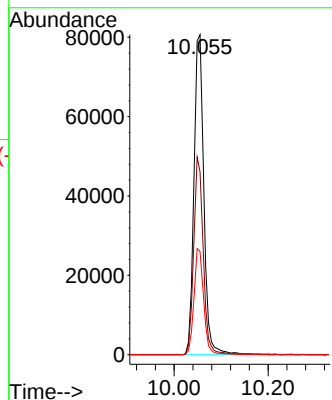
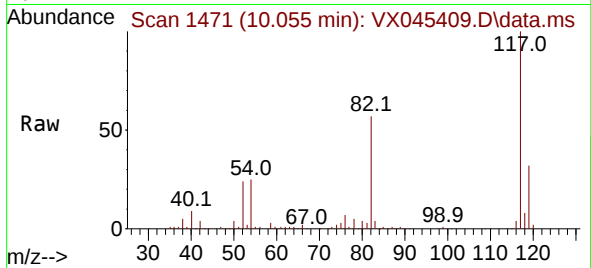




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

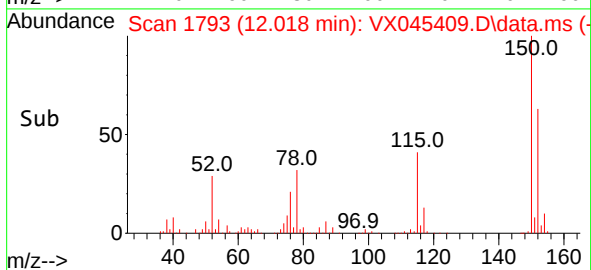
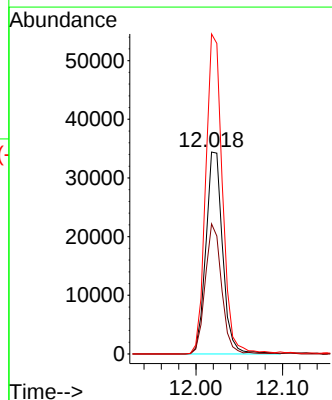
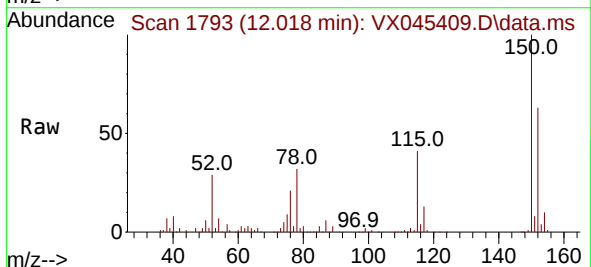
Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

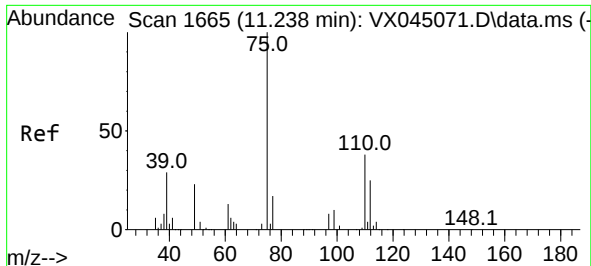
Tgt Ion:117 Resp: 118431
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion:152 Resp: 46305
Ion Ratio Lower Upper
152 100
115 62.8 44.2 132.6
150 157.7 0.0 349.0

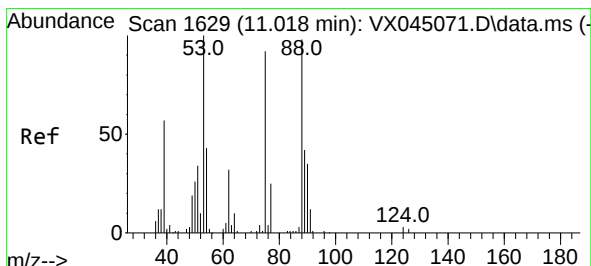
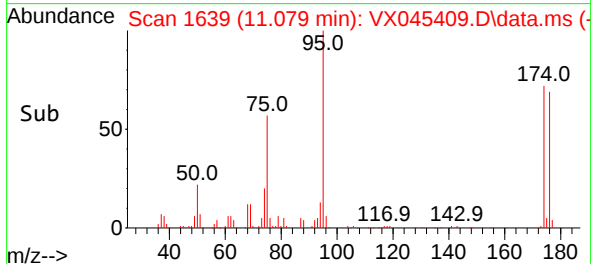
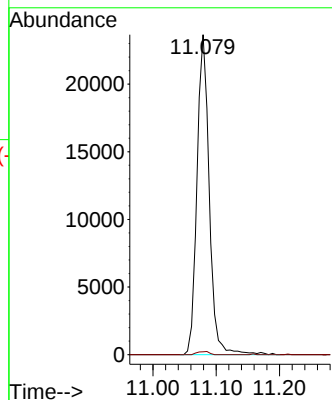
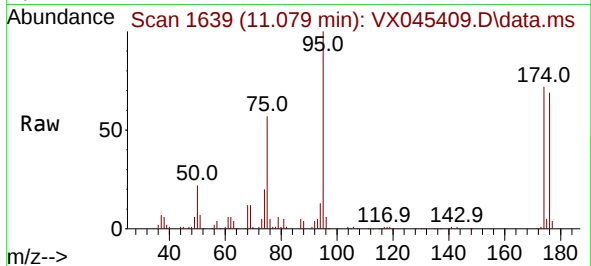




#76
1,2,3-Trichloropropane
Concen: 29.617 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
RE139D2-20250317DL

Tgt Ion: 75 Resp: 31920
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.355 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045409.D
Acq: 24 Mar 2025 12:57

Tgt Ion: 75 Resp: 31920
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

