

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044393.D
 Acq On : 18 Dec 2024 19:05
 Operator : JC/MD
 Sample : P5281-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 00:52:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

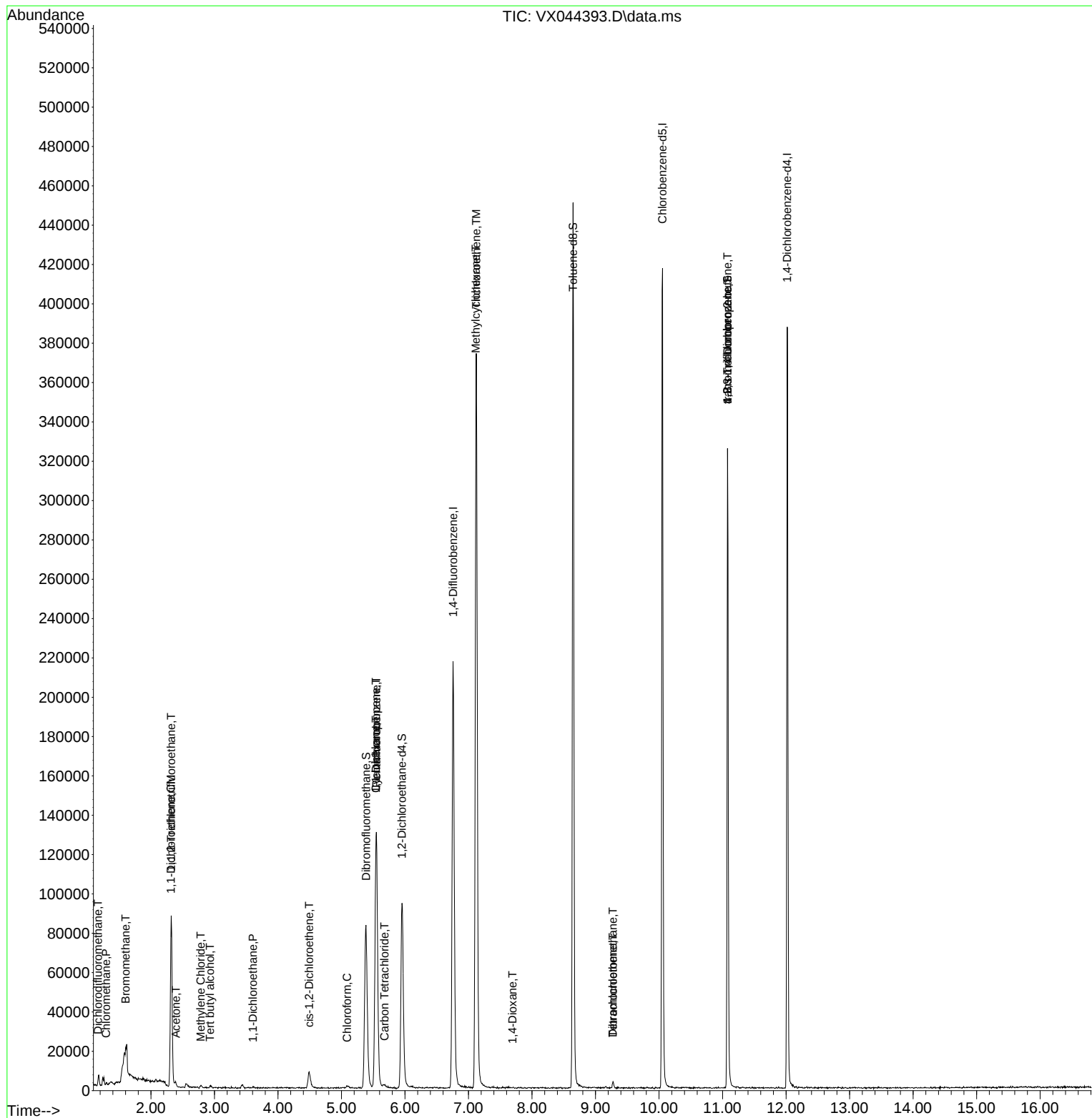
Internal Standards						
1) Pentafluorobenzene	5.550	168	120659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	218055	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93052	43.985	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.960%
35) Dibromofluoromethane	5.385	113	69510	46.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.060%
50) Toluene-d8	8.647	98	258473	50.730	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.460%
62) 4-Bromofluorobenzene	11.079	95	83335	46.808	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1005	0.539	ug/l	98
3) Chloromethane	1.294	50	963	0.540	ug/l #	83
5) Bromomethane	1.599	94	339	0.257	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	2.319	101	31525	21.410	ug/l	97
11) Tert butyl alcohol	2.928	59	243	0.815	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	1614	1.193	ug/l #	75
16) Acetone	2.392	43	1671	1.937	ug/l #	74
20) Methylene Chloride	2.782	84	452	0.279	ug/l #	62
24) 1,1-Dichloroethane	3.605	63	791	0.280	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	5069	2.777	ug/l	94
30) Chloroform	5.086	83	816	0.257	ug/l	96
31) Cyclohexane	5.544	56	3519	1.541	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	10514	5.386	ug/l #	45
38) Carbon Tetrachloride	5.678	117	1040	0.495	ug/l #	80
39) Methylcyclohexane	7.117	83	1883	0.807	ug/l #	1
44) Trichloroethene	7.123	130	140111	94.793	ug/l	98
49) 1,4-Dioxane	7.690	88	401	13.210	ug/l #	55
60) Dibromochloromethane	9.275	129	716	1.698	ug/l #	11
64) Tetrachloroethene	9.275	164	489	0.389	ug/l #	82
76) 1,2,3-Trichloropropane	11.079	75	45740	26.720	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	45740	73.601	ug/l #	4

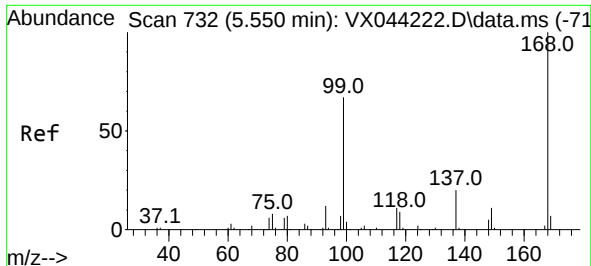
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

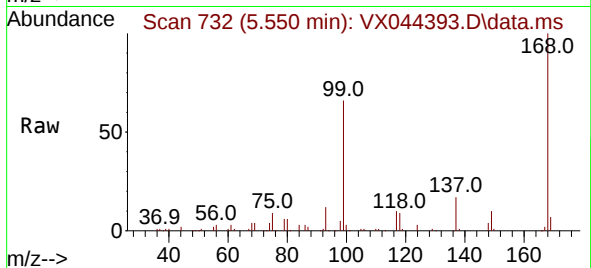
Lab File: VX044393.D

Acq: 18 Dec 2024 19:05

Instrument :

MSVOA_X

ClientSampleId :

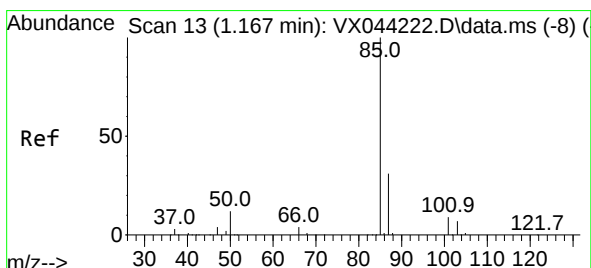
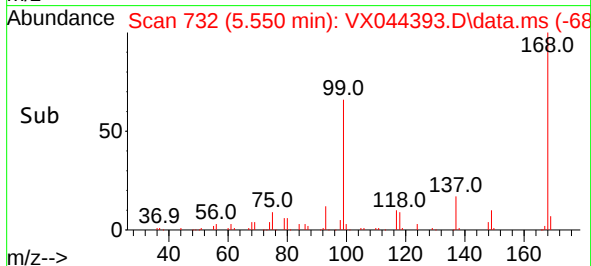
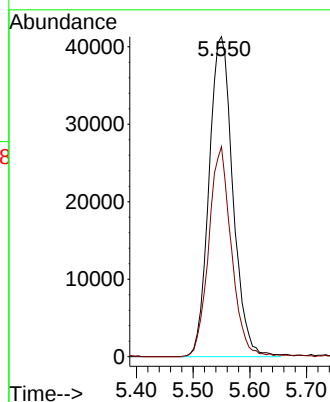


Tgt Ion:168 Resp: 120659

Ion Ratio Lower Upper

168 100

99 65.7 53.4 80.0



#2

Dichlorodifluoromethane

Concen: 0.539 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044393.D

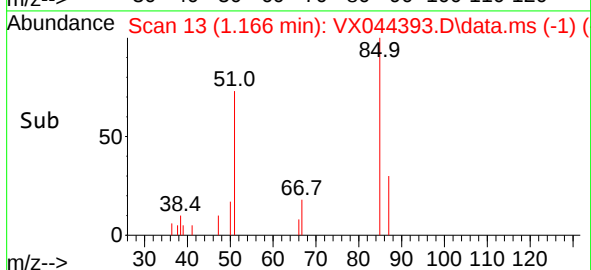
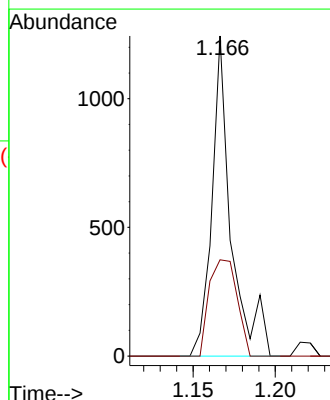
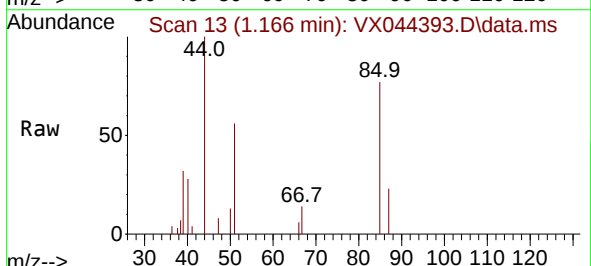
Acq: 18 Dec 2024 19:05

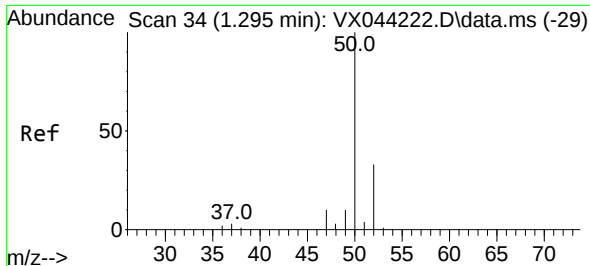
Tgt Ion: 85 Resp: 1005

Ion Ratio Lower Upper

85 100

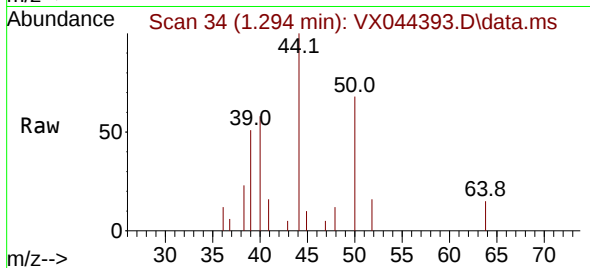
87 30.1 15.4 46.4



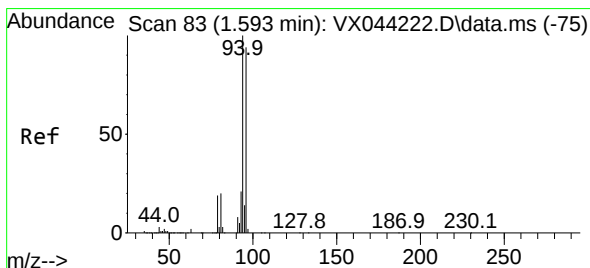
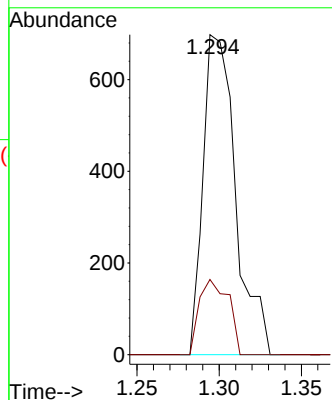
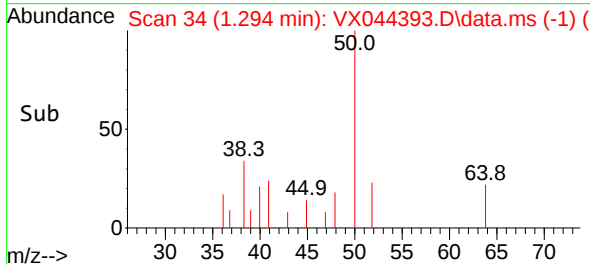


#3
Chloromethane
Concen: 0.540 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Instrument :
MSVOA_X
ClientSampleId :

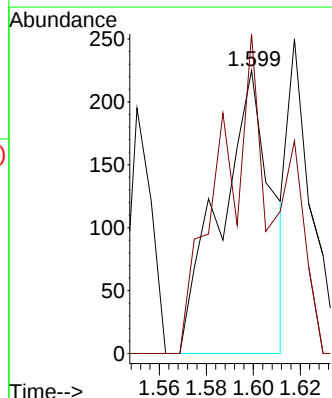
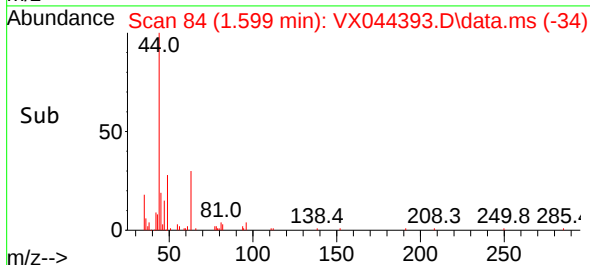
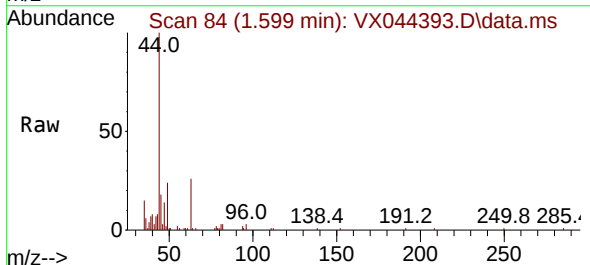


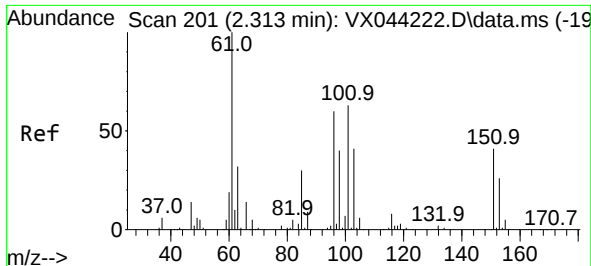
Tgt Ion: 50 Resp: 963
Ion Ratio Lower Upper
50 100
52 23.5 26.5 39.7#



#5
Bromomethane
Concen: 0.257 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 112.9 74.9 112.3#

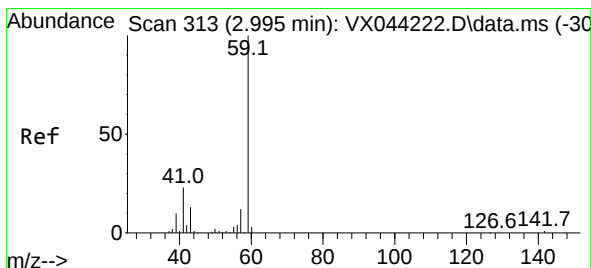
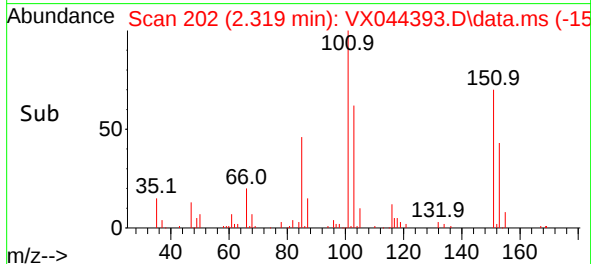
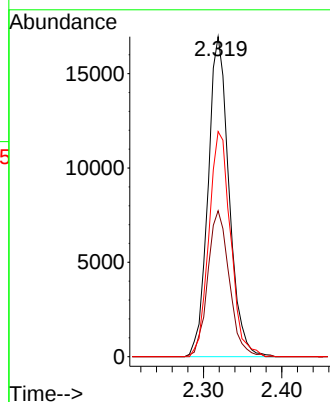
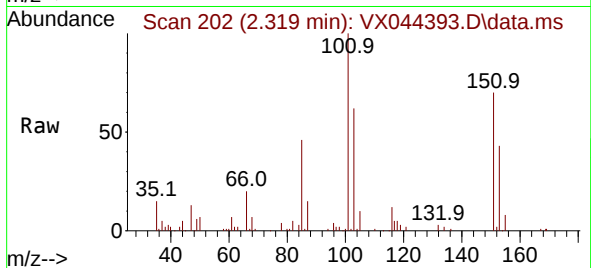




#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.410 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

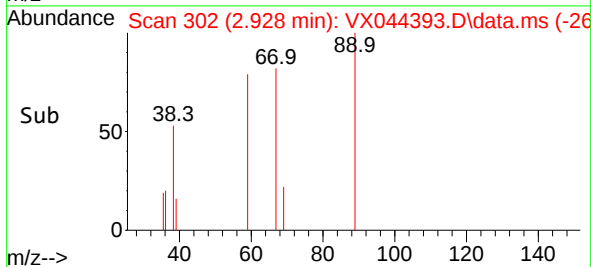
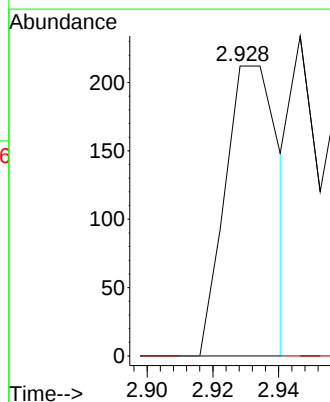
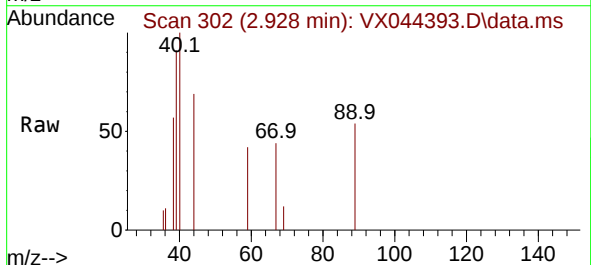
Instrument :
MSVOA_X
ClientSampleId :

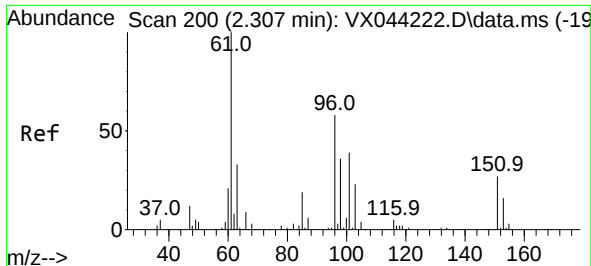
Tgt Ion:101 Resp: 31525
Ion Ratio Lower Upper
101 100
85 46.8 38.5 57.7
151 72.7 55.8 83.6



#11
Tert butyl alcohol
Concen: 0.815 ug/l
RT: 2.928 min Scan# 302
Delta R.T. -0.067 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#12

1,1-Dichloroethene

Concen: 1.193 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX044393.D

Acq: 18 Dec 2024 19:05

Instrument :

MSVOA_X

ClientSampleId :

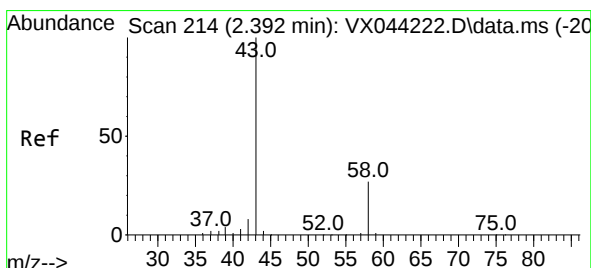
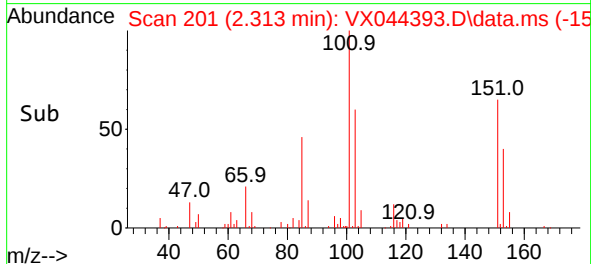
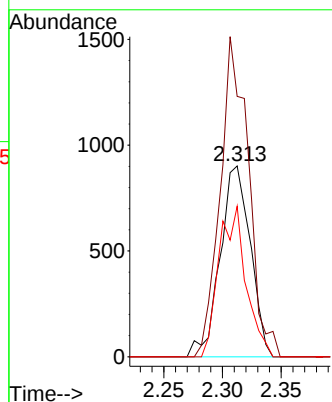
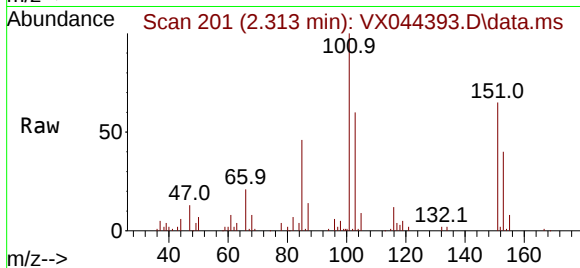
Tgt Ion: 96 Resp: 1614

Ion Ratio Lower Upper

96 100

61 136.5 138.0 207.0#

98 78.8 50.0 75.0#



#16

Acetone

Concen: 1.937 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX044393.D

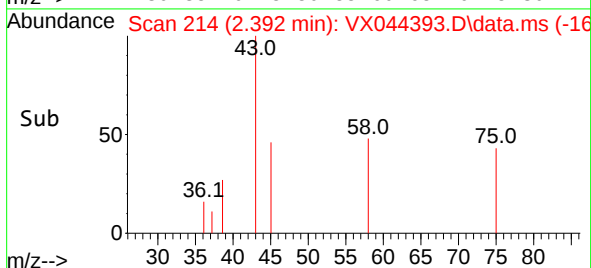
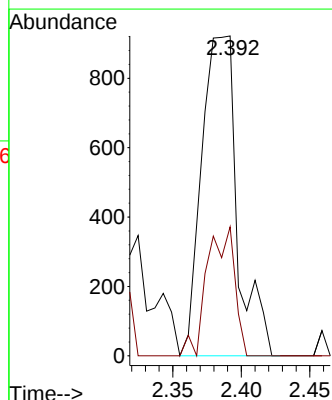
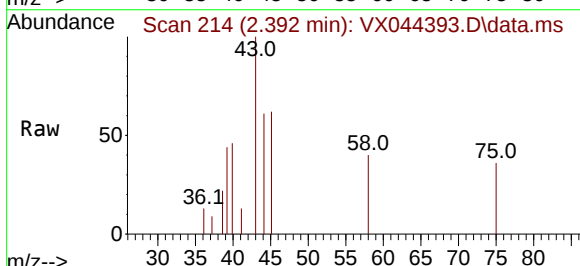
Acq: 18 Dec 2024 19:05

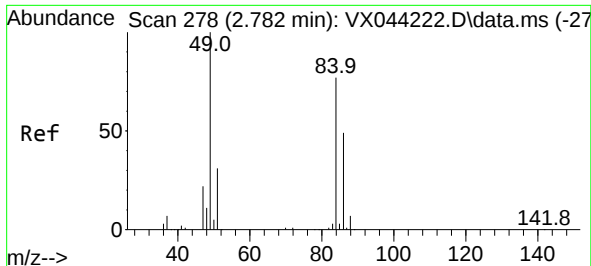
Tgt Ion: 43 Resp: 1671

Ion Ratio Lower Upper

43 100

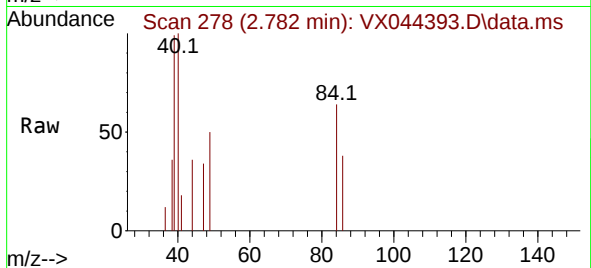
58 40.3 21.6 32.4#



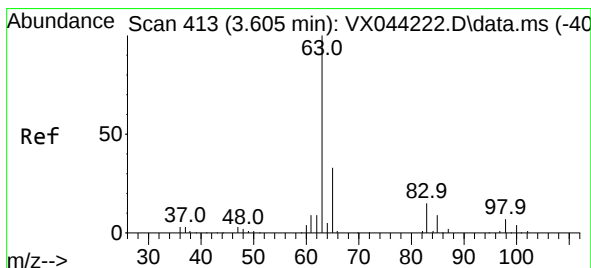
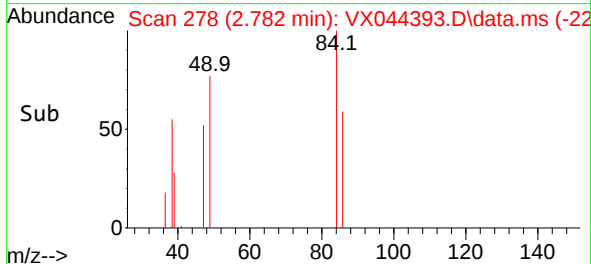
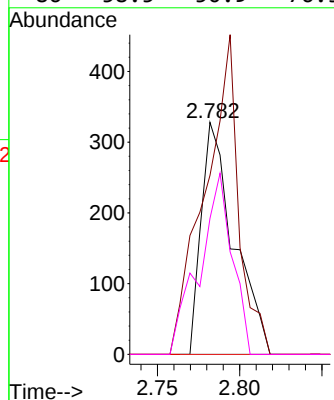


#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Instrument :
MSVOA_X
ClientSampleId :

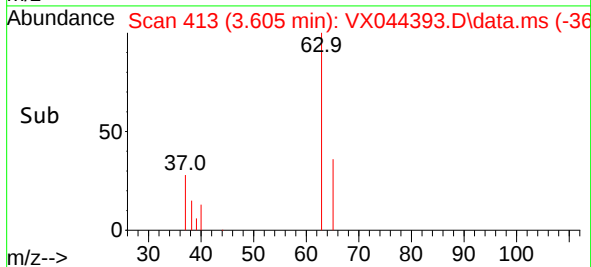
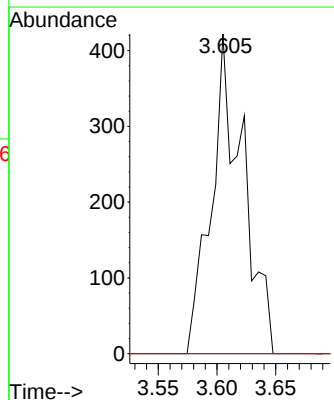
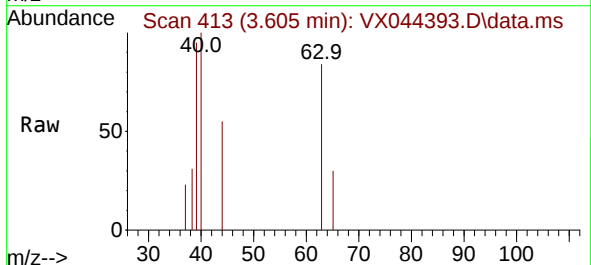


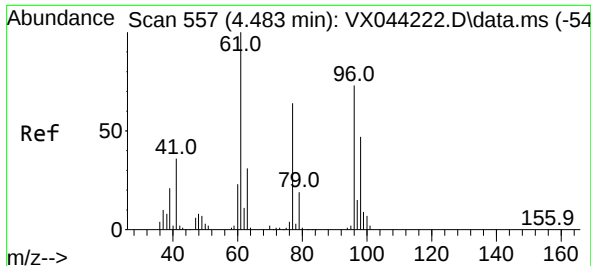
Tgt Ion: 84	Resp: 452
Ion Ratio	Lower Upper
84 100	
49 77.1	104.2 156.4#
51 0.0	32.2 48.4#
86 58.5	50.9 76.3



#24
1,1-Dichloroethane
Concen: 0.280 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion: 63	Resp: 791
Ion Ratio	Lower Upper
63 100	
98 0.0	3.6 10.8#
100 0.0	2.1 6.3#





#27

cis-1,2-Dichloroethene

Concen: 2.777 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044393.D

Acq: 18 Dec 2024 19:05

Instrument :

MSVOA_X

ClientSampleId :

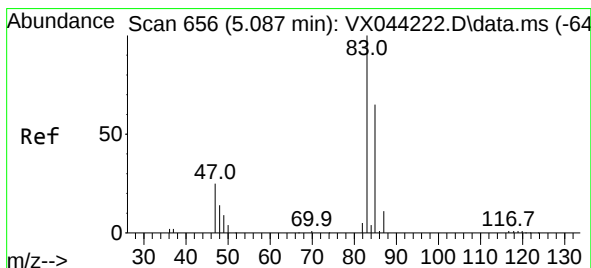
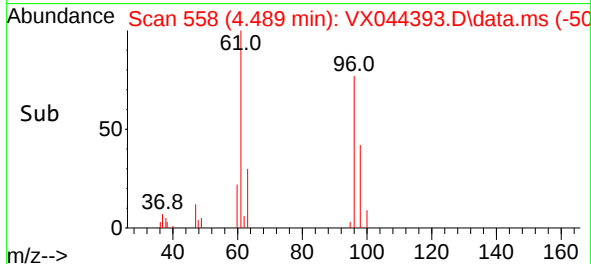
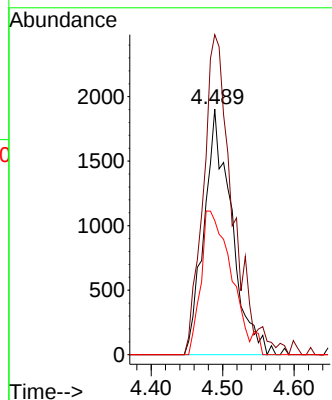
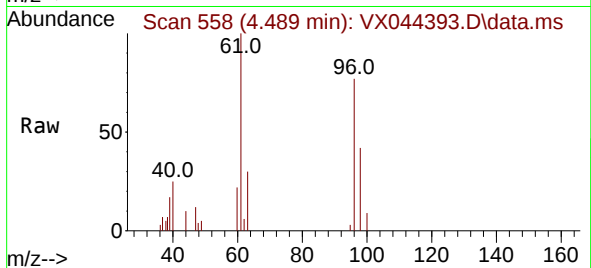
Tgt Ion: 96 Resp: 5069

Ion Ratio Lower Upper

96 100

61 139.2 0.0 299.0

98 65.8 0.0 129.0



#30

Chloroform

Concen: 0.257 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX044393.D

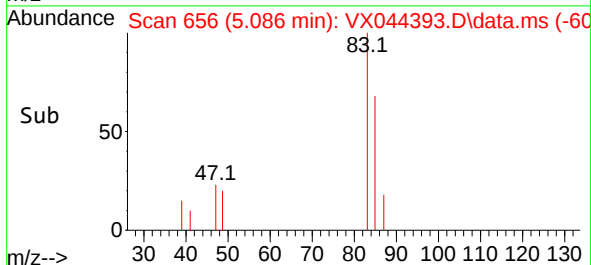
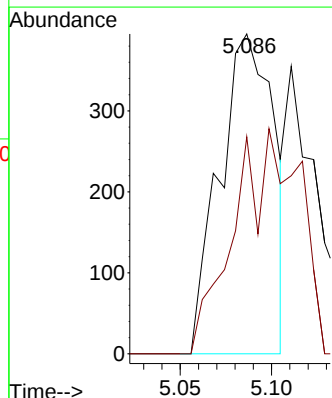
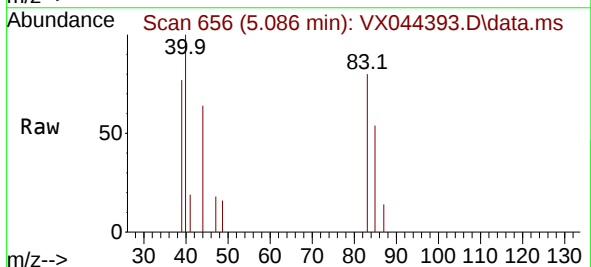
Acq: 18 Dec 2024 19:05

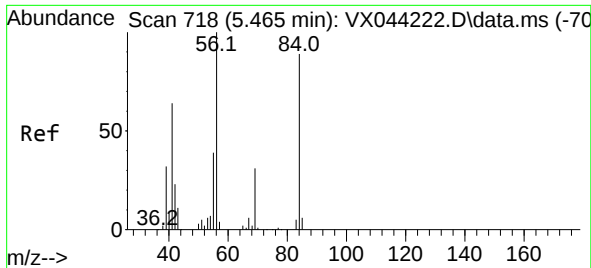
Tgt Ion: 83 Resp: 816

Ion Ratio Lower Upper

83 100

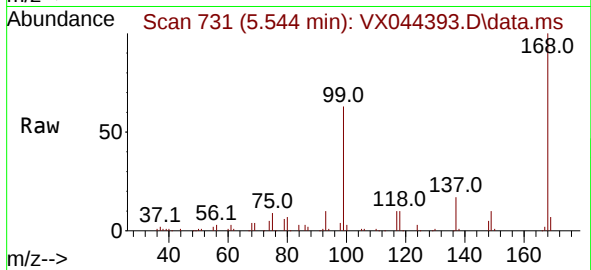
85 67.8 51.6 77.4



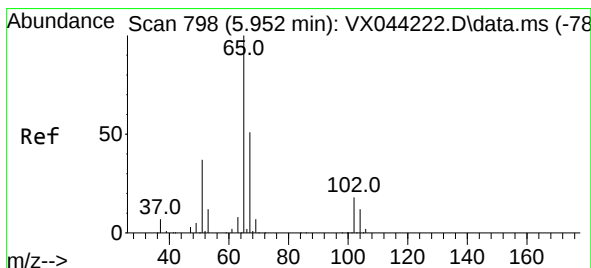
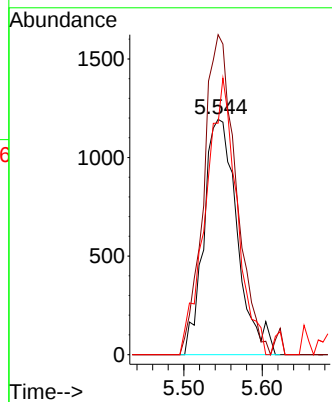
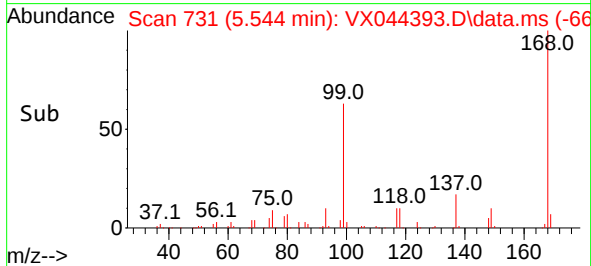


#31
Cyclohexane
Concen: 1.541 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Instrument :
MSVOA_X
ClientSampleId :

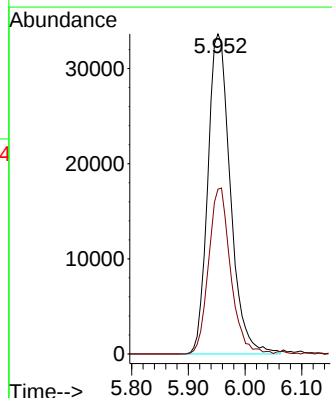
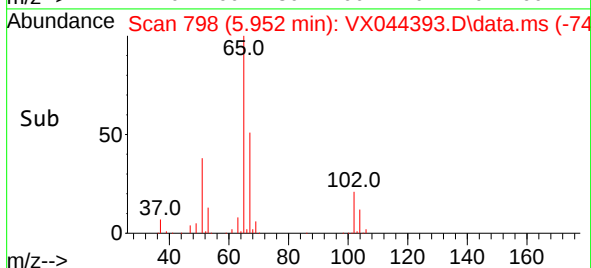
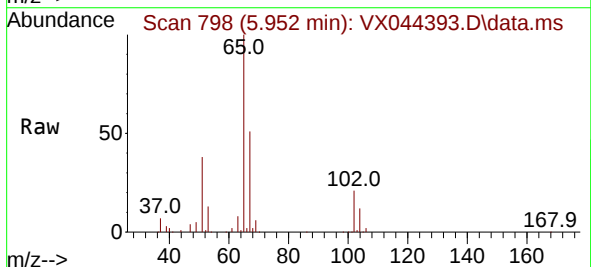


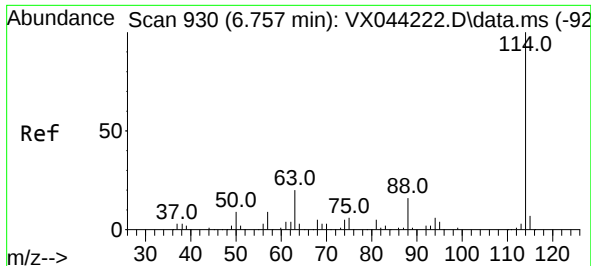
Tgt Ion: 56 Resp: 3519
Ion Ratio Lower Upper
56 100
69 135.9 24.7 37.1#
84 98.3 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 43.985 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion: 65 Resp: 93052
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.6

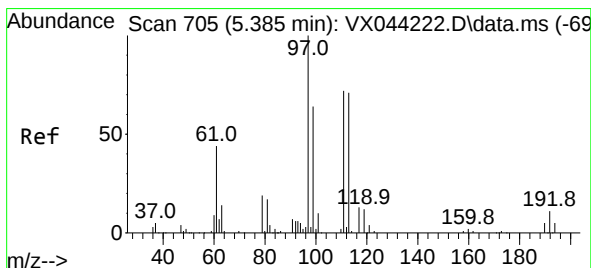
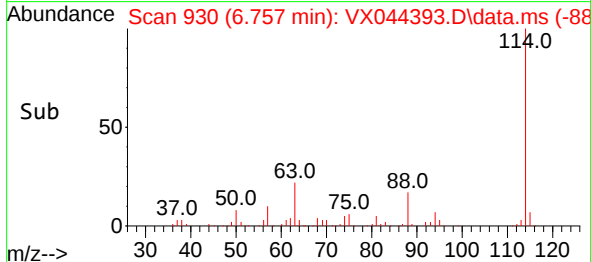
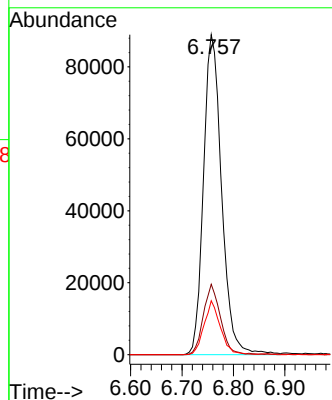
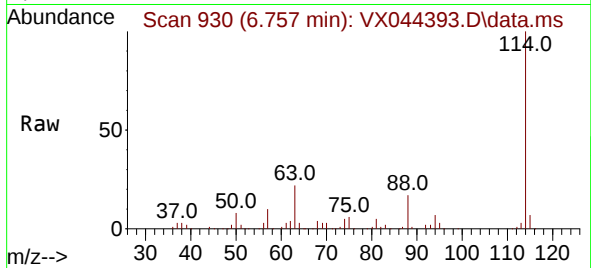




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

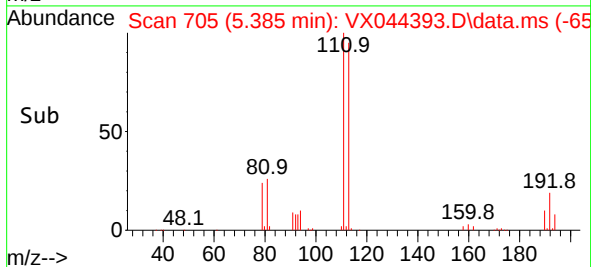
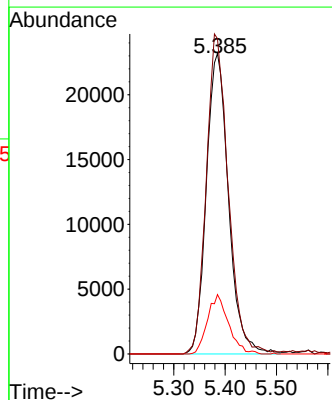
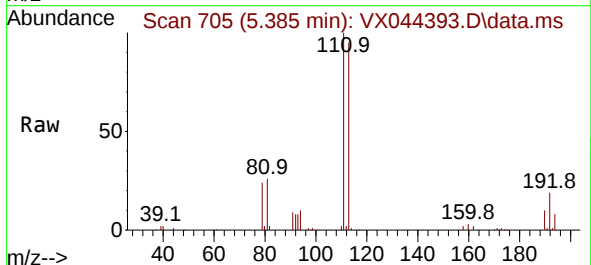
Instrument :
MSVOA_X
ClientSampleId :

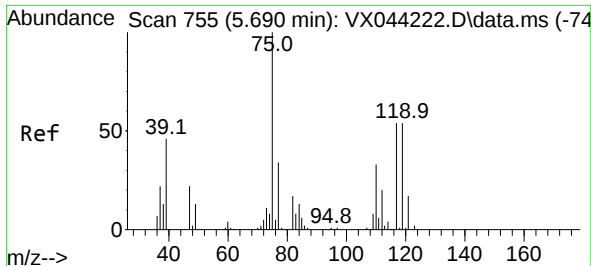
Tgt Ion:114 Resp: 218055
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.6
88 16.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.026 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

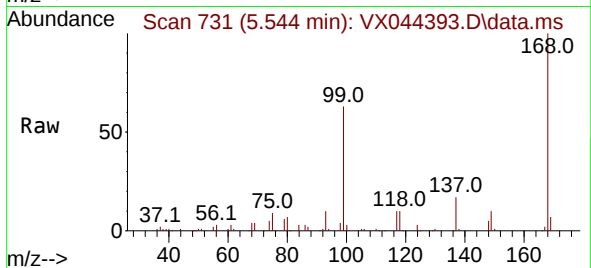
Tgt Ion:113 Resp: 69510
Ion Ratio Lower Upper
113 100
111 105.0 80.4 120.6
192 18.8 13.3 19.9



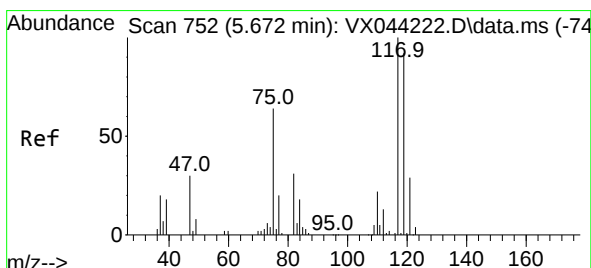
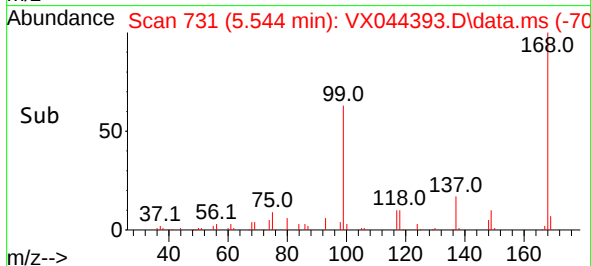
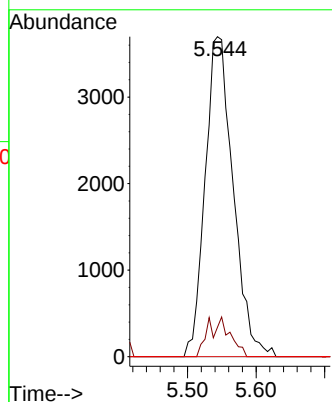


#36
1,1-Dichloropropene
Concen: 5.386 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Instrument :
MSVOA_X
ClientSampleId :

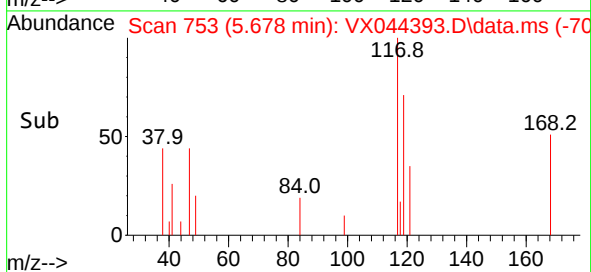
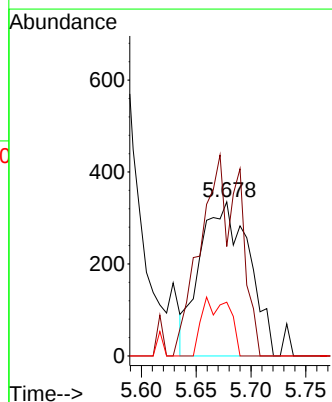
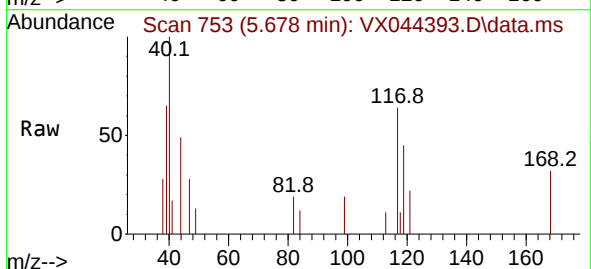


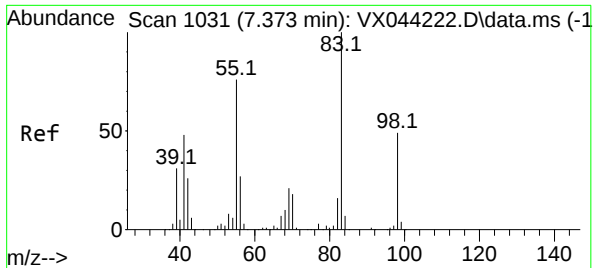
Tgt Ion: 75 Resp: 10514
Ion Ratio Lower Upper
75 100
110 3.5 17.3 51.7#
77 0.0 25.4 38.0#



#38
Carbon Tetrachloride
Concen: 0.495 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

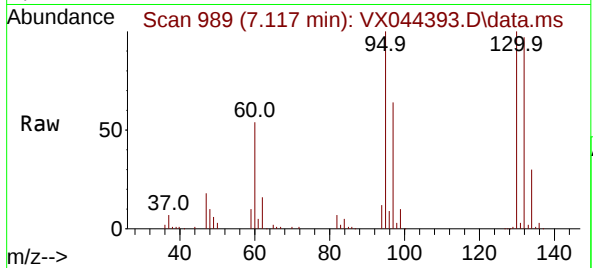
Tgt Ion: 117 Resp: 1040
Ion Ratio Lower Upper
117 100
119 71.0 74.2 111.4#
121 34.9 23.0 34.6#



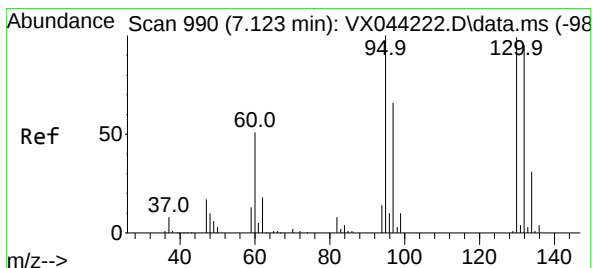
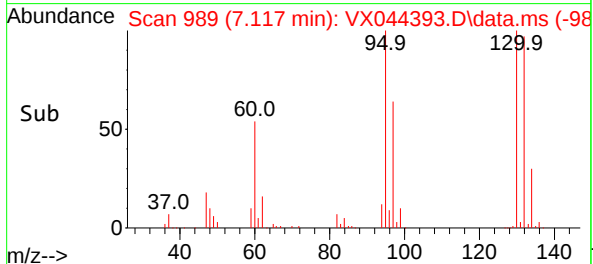
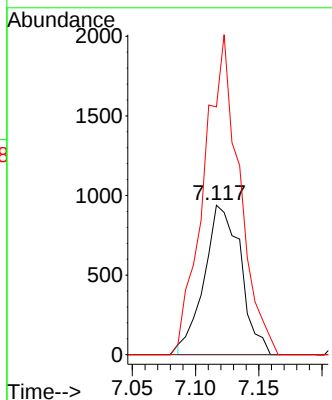


#39
Methylcyclohexane
Concen: 0.807 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.256 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Instrument :
MSVOA_X
ClientSampleId :

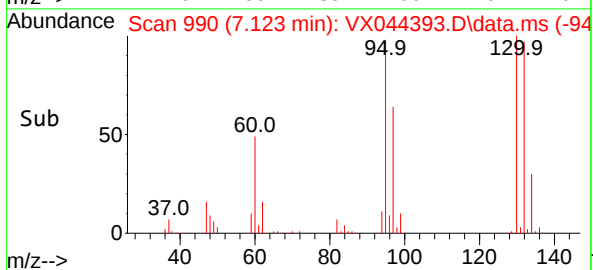
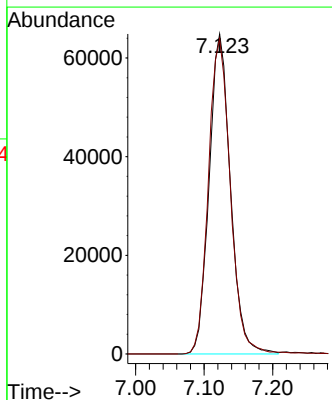
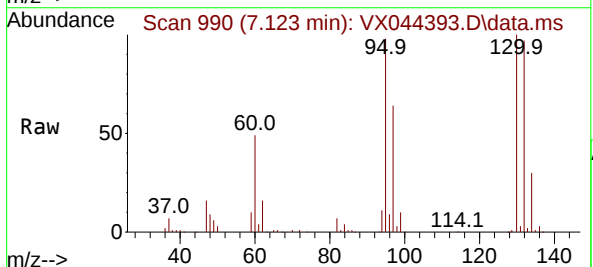


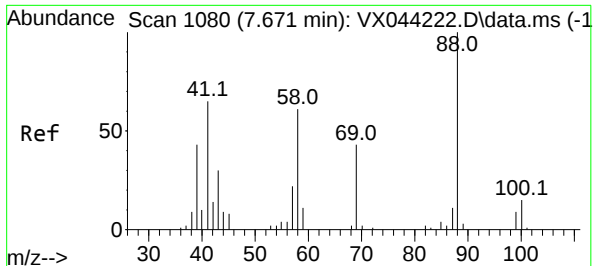
Tgt Ion: 83 Resp: 1883
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 165.8 38.9 58.3#



#44
Trichloroethene
Concen: 94.793 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion:130 Resp: 140111
Ion Ratio Lower Upper
130 100
95 98.5 0.0 201.4





#49

1,4-Dioxane

Concen: 13.210 ug/l

RT: 7.690 min Scan# 1080

Delta R.T. 0.018 min

Lab File: VX044393.D

Acq: 18 Dec 2024 19:05

Instrument :

MSVOA_X

ClientSampleId :

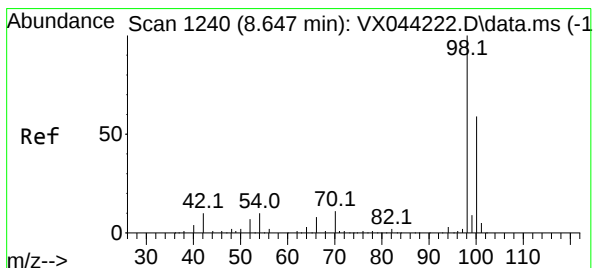
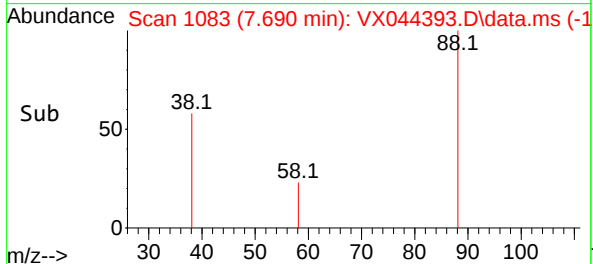
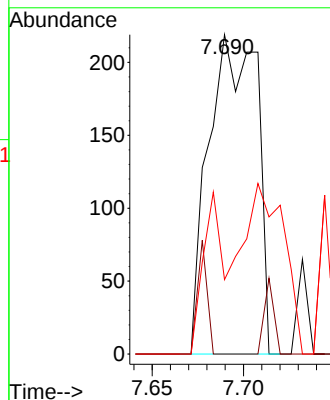
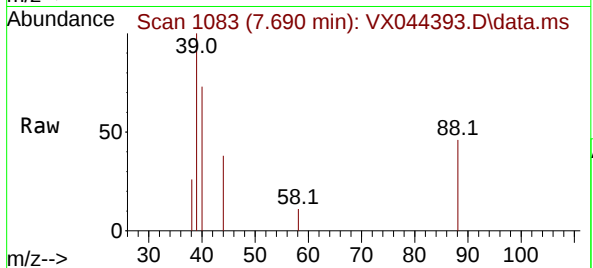
Tgt Ion: 88 Resp: 401

Ion Ratio Lower Upper

88 100

43 7.2 27.1 40.7#

58 20.4 41.0 61.4#



#50

Toluene-d8

Concen: 50.730 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044393.D

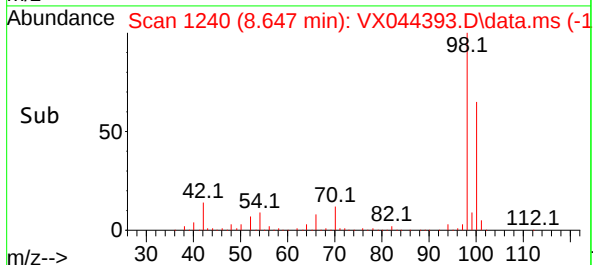
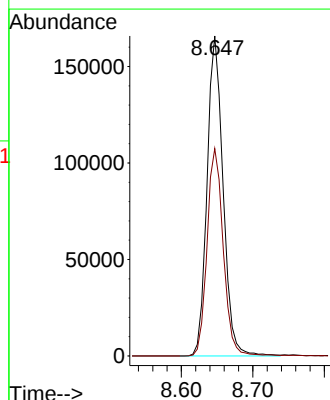
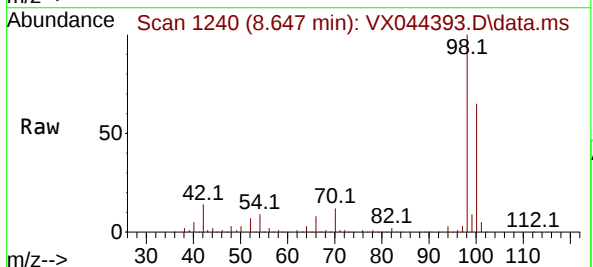
Acq: 18 Dec 2024 19:05

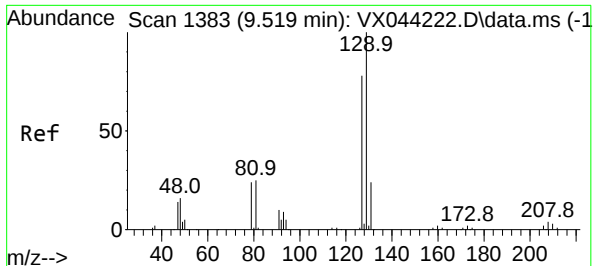
Tgt Ion: 98 Resp: 258473

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3

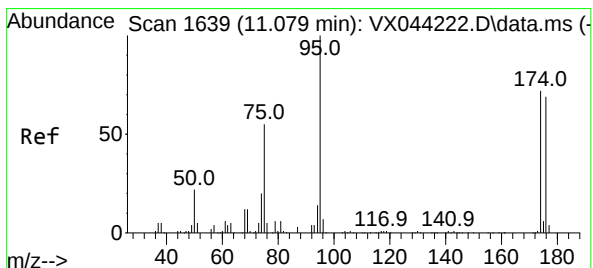
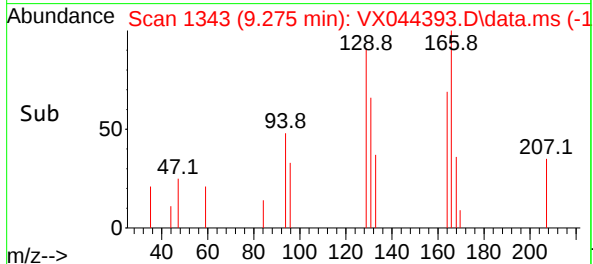
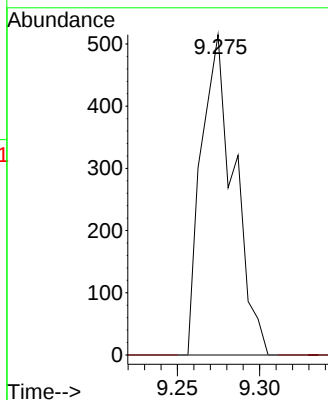
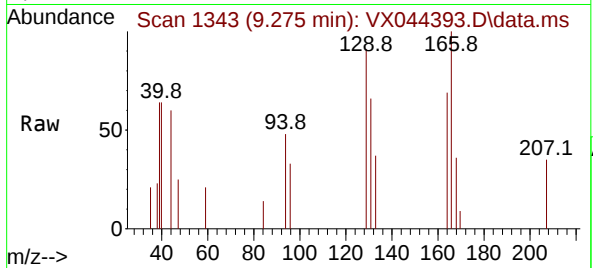




#60
Dibromochloromethane
Concen: 1.698 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

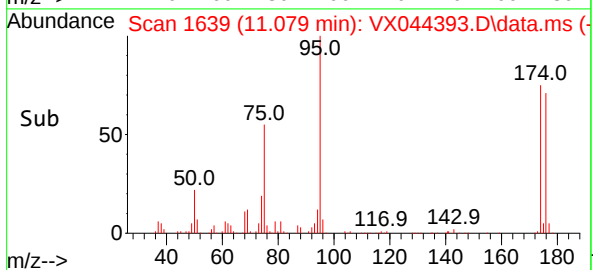
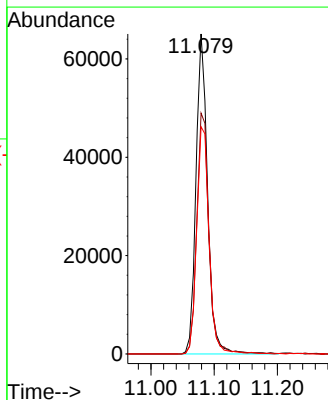
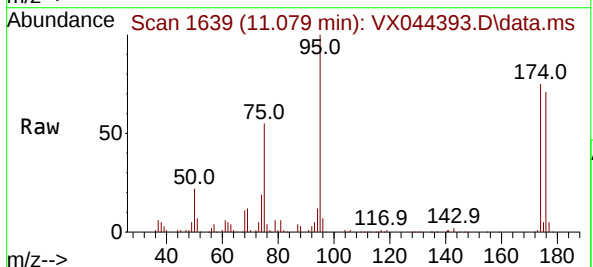
Instrument :
MSVOA_X
ClientSampleId :

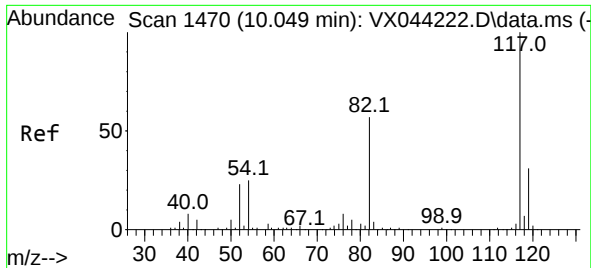
Tgt Ion:129 Resp: 716
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 46.808 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion: 95 Resp: 83335
Ion Ratio Lower Upper
95 100
174 78.2 0.0 145.8
176 75.5 0.0 137.8

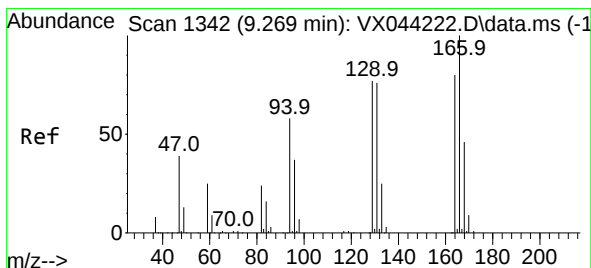
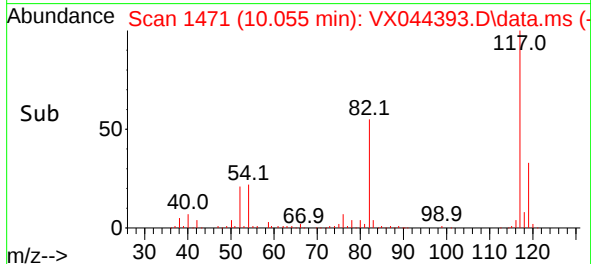
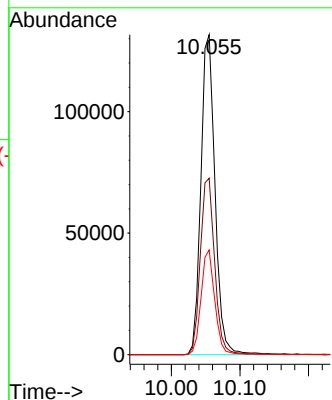
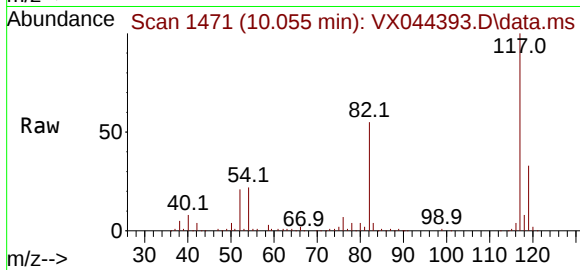




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

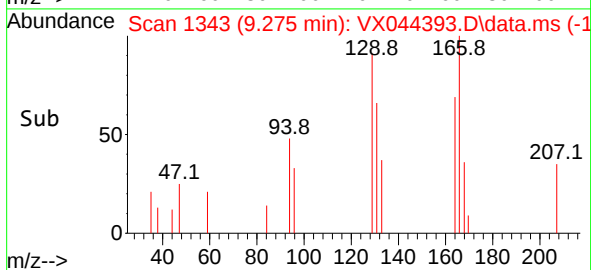
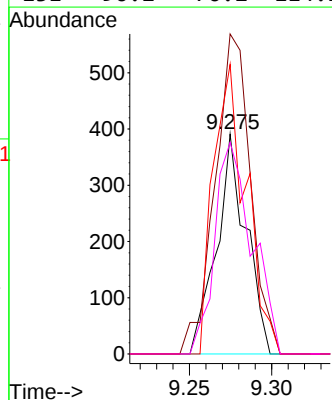
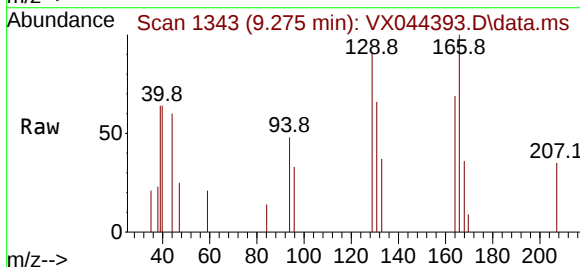
Instrument :
MSVOA_X
ClientSampleId :

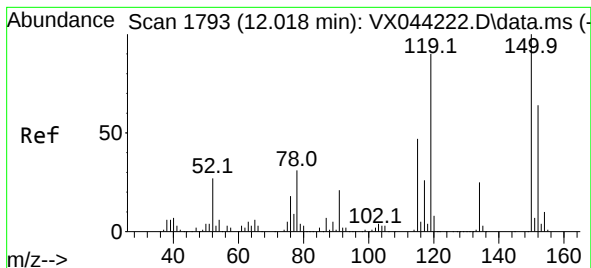
Tgt Ion:117 Resp: 189518
Ion Ratio Lower Upper
117 100
82 55.2 45.8 68.8
119 32.7 25.0 37.4



#64
Tetrachloroethene
Concen: 0.389 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Tgt Ion:164 Resp: 489
Ion Ratio Lower Upper
164 100
166 145.5 100.4 150.6
129 131.7 77.2 115.8#
131 96.2 76.2 114.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044393.D

Acq: 18 Dec 2024 19:05

Instrument :

MSVOA_X

ClientSampleId :

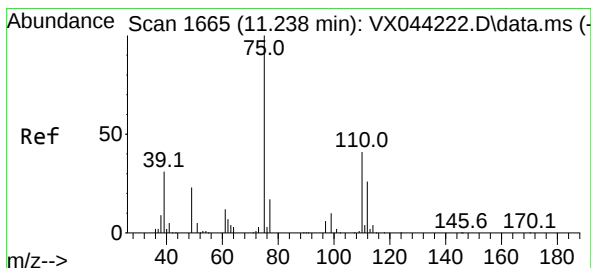
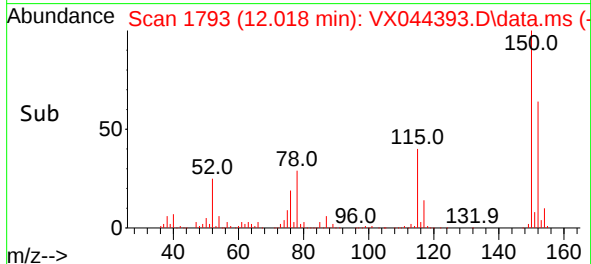
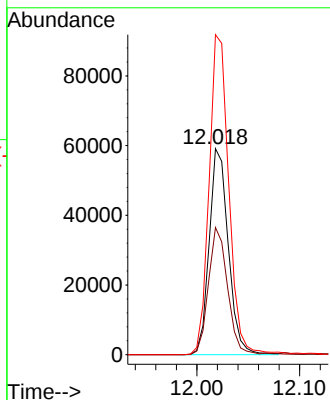
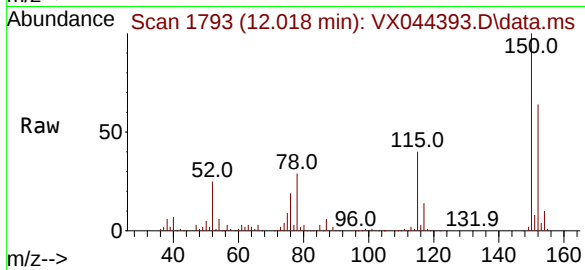
Tgt Ion:152 Resp: 76670

Ion Ratio Lower Upper

152 100

115 62.0 44.5 133.3

150 160.7 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 26.720 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044393.D

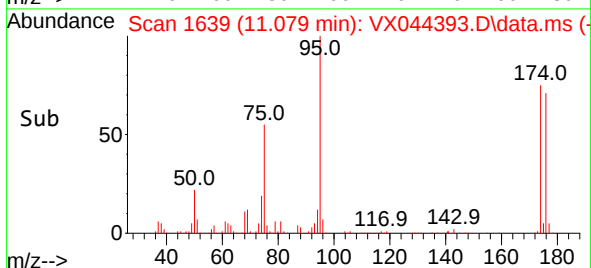
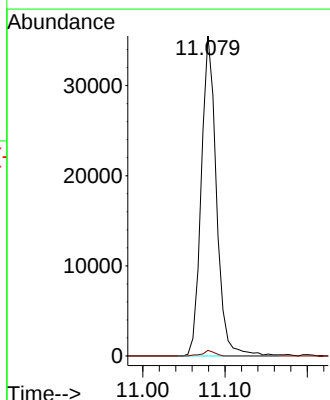
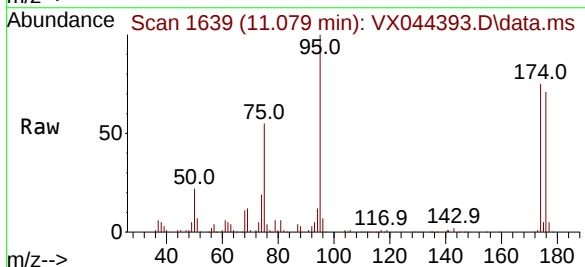
Acq: 18 Dec 2024 19:05

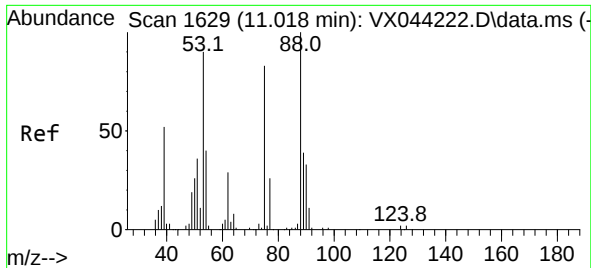
Tgt Ion: 75 Resp: 45740

Ion Ratio Lower Upper

75 100

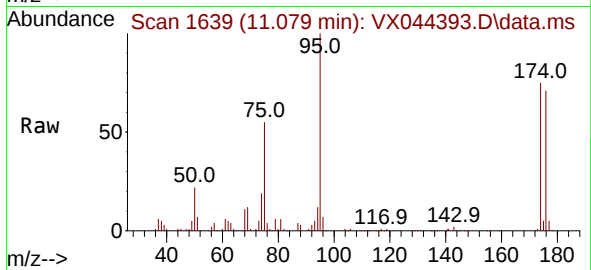
77 1.4 20.9 62.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.601 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044393.D
Acq: 18 Dec 2024 19:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 45740
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

