

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044383.D
 Acq On : 18 Dec 2024 15:11
 Operator : JC/MD
 Sample : P5281-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Dec 19 00:47:08 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)

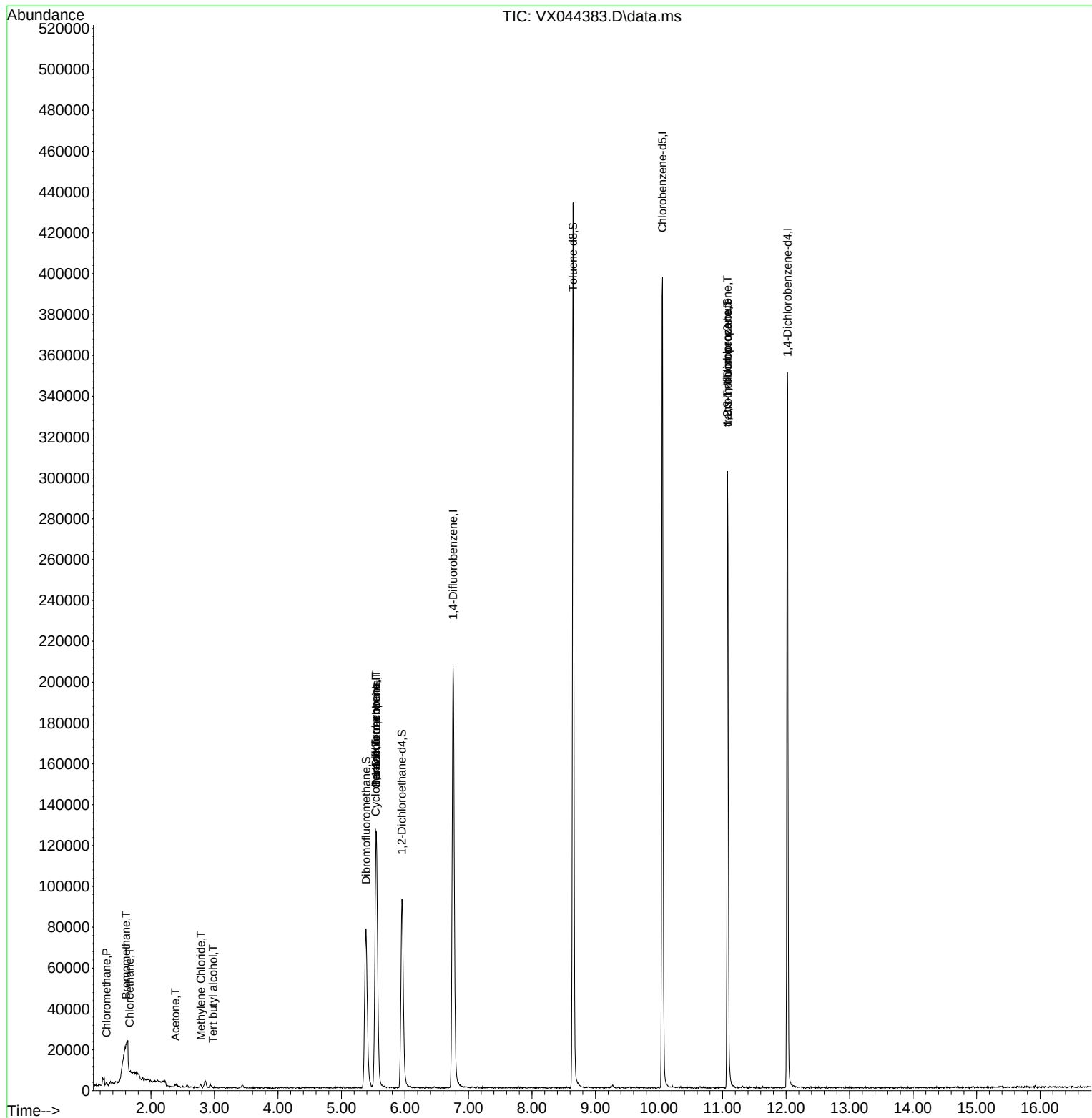
Internal Standards						
1) Pentafluorobenzene	5.544	168	116899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209253	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89547	43.690	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.380%
35) Dibromofluoromethane	5.385	113	67271	46.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.840%
50) Toluene-d8	8.647	98	253284	51.803	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.600%
62) 4-Bromofluorobenzene	11.079	95	77412	45.310	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	997	0.577	ug/l	97
5) Bromomethane	1.605	94	626	0.490	ug/l #	21
6) Chloroethane	1.666	64	276	0.246	ug/l #	41
11) Tert butyl alcohol	2.977	59	61	0.211	ug/l #	71
16) Acetone	2.386	43	1276	1.527	ug/l	94
20) Methylene Chloride	2.788	84	708	0.451	ug/l #	75
31) Cyclohexane	5.537	56	3144	1.421	ug/l #	61
36) 1,1-Dichloropropene	5.544	75	9963	5.318	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13618	6.752	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	43391	27.379	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	43391	75.281	ug/l #	4

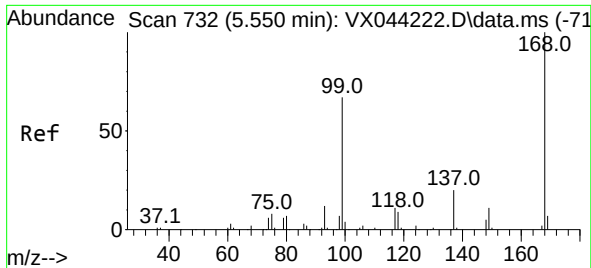
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

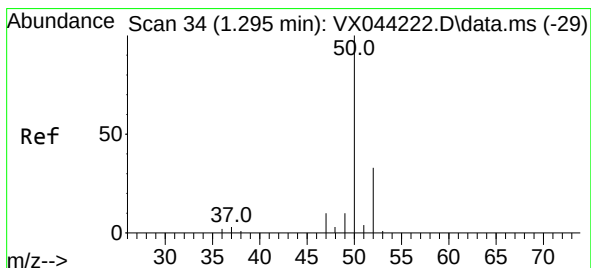
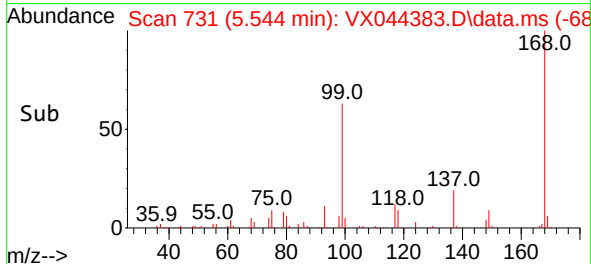
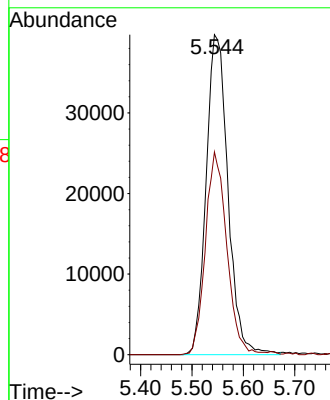
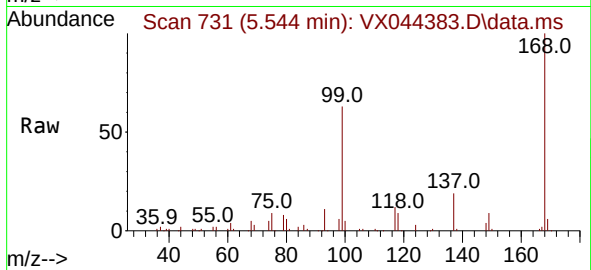




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

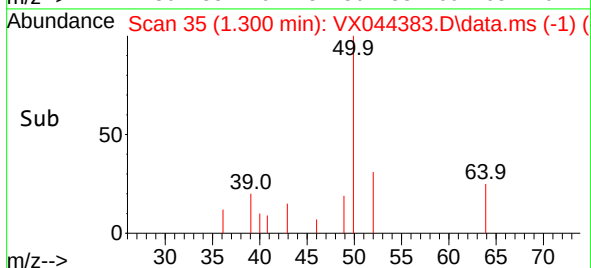
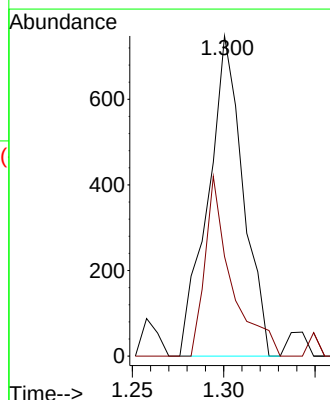
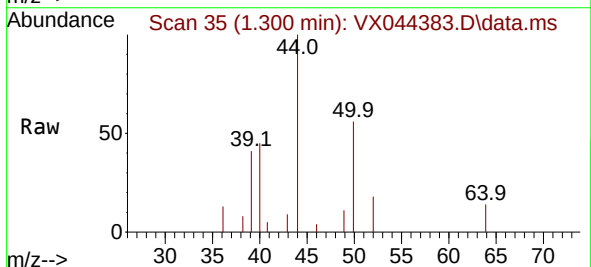
Instrument :
MSVOA_X
ClientSampleId :
TB

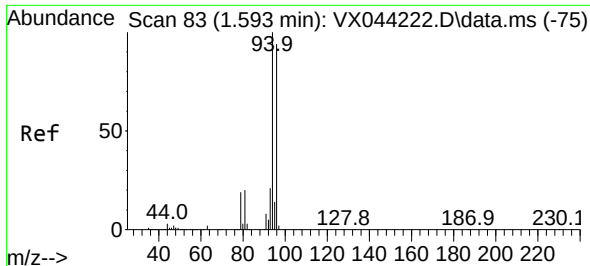
Tgt Ion:168 Resp: 116899
Ion Ratio Lower Upper
168 100
99 63.4 53.4 80.0



#3
Chloromethane
Concen: 0.577 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7

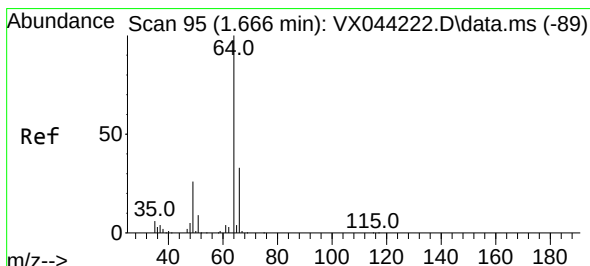
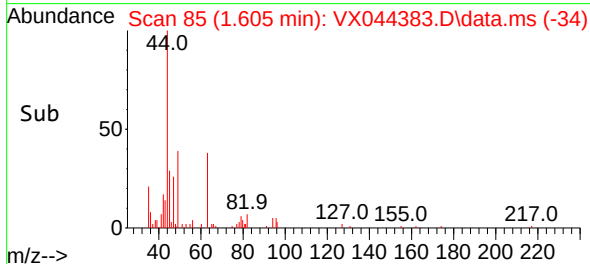
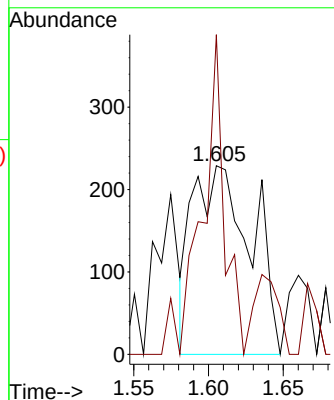
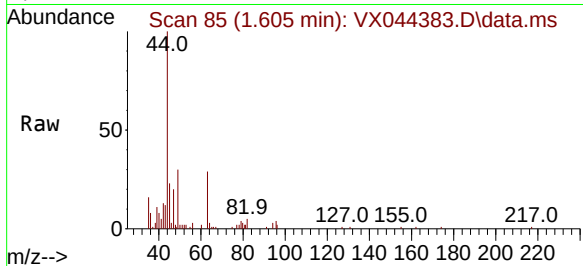




#5
Bromomethane
Concen: 0.490 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

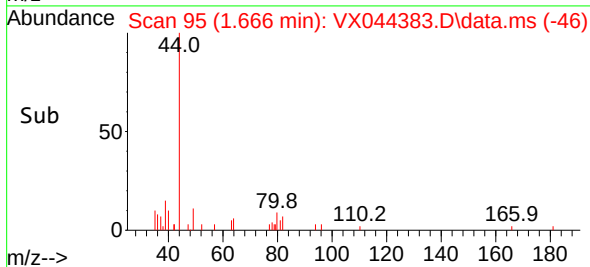
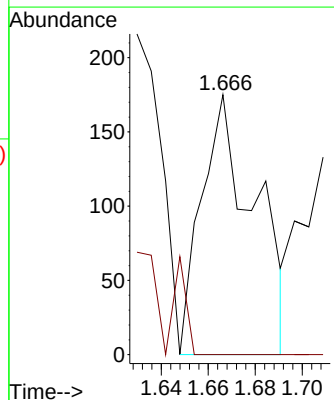
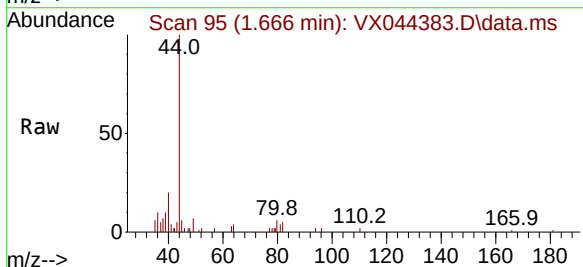
Instrument :
MSVOA_X
ClientSampleId :
TB

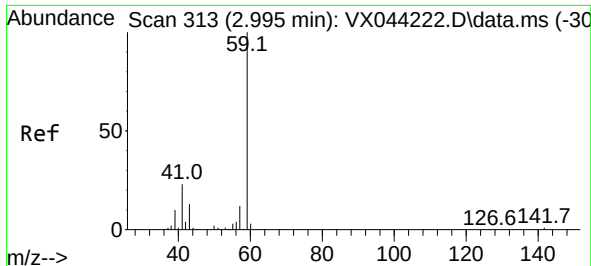
Tgt Ion: 94 Resp: 626
Ion Ratio Lower Upper
94 100
96 169.4 74.9 112.3#



#6
Chloroethane
Concen: 0.246 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Tgt Ion: 64 Resp: 276
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#

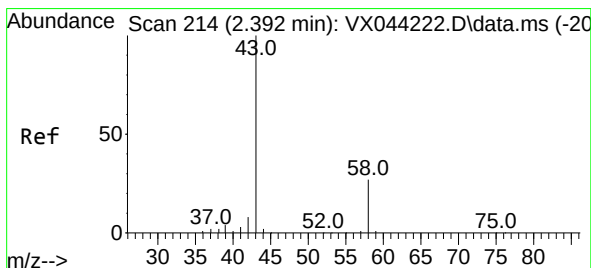
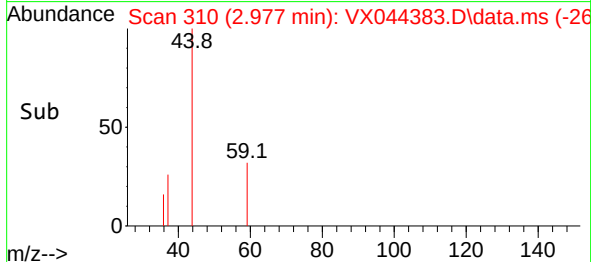
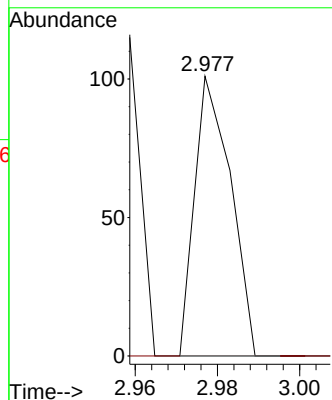
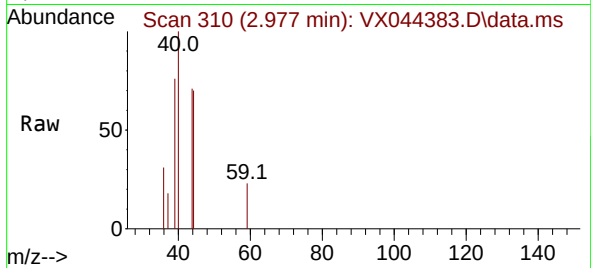




#11
Tert butyl alcohol
Concen: 0.211 ug/l
RT: 2.977 min Scan# 313
Delta R.T. -0.018 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

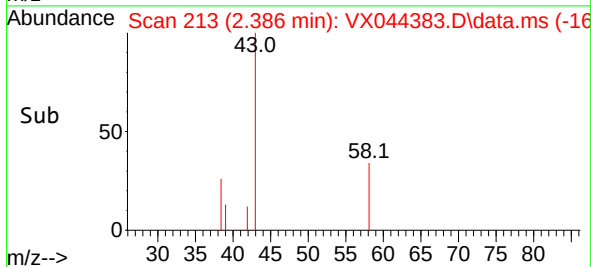
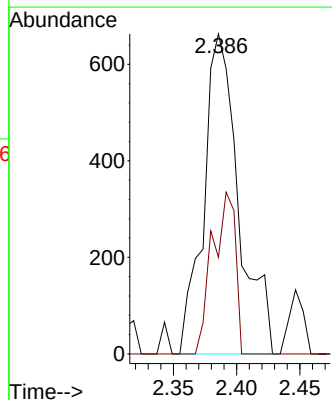
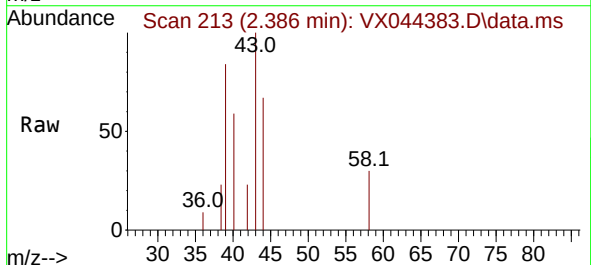
Instrument :
MSVOA_X
ClientSampleId :
TB

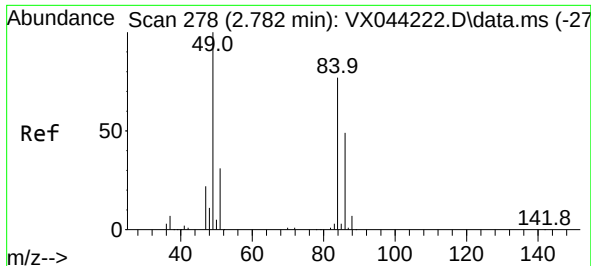
Tgt Ion: 59 Resp: 61
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 1.527 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
58 30.2 21.6 32.4

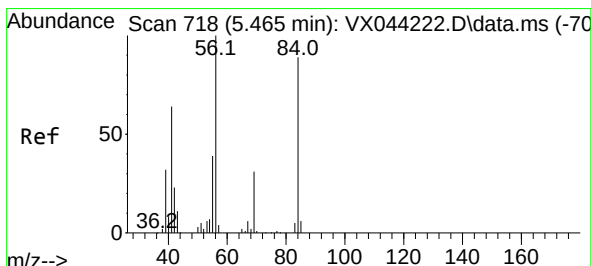
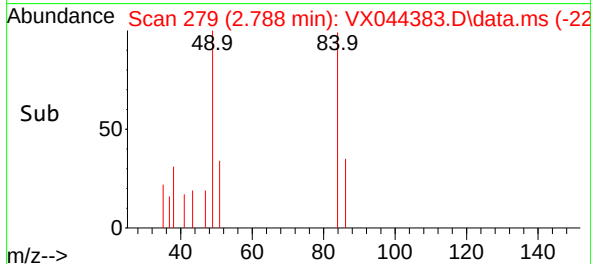
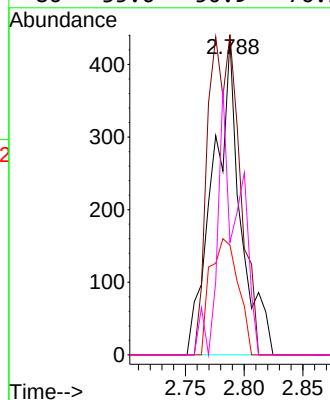
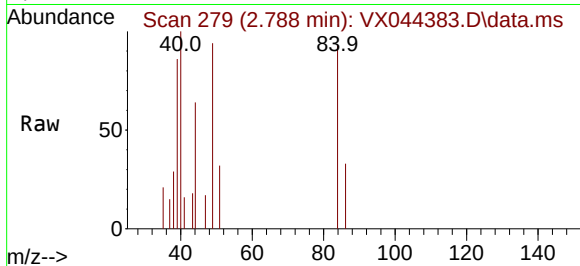




#20
Methylene Chloride
Concen: 0.451 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

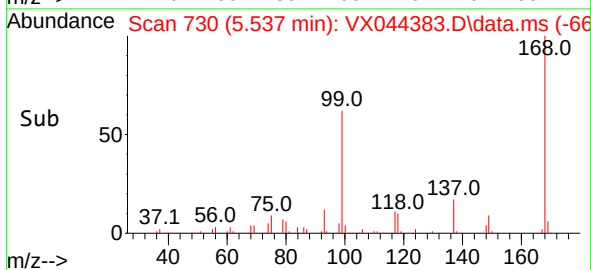
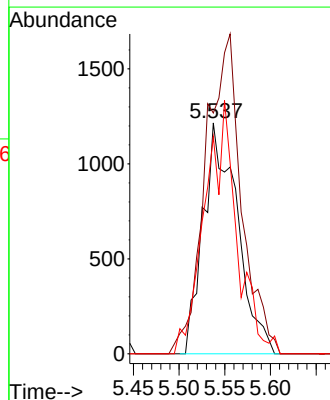
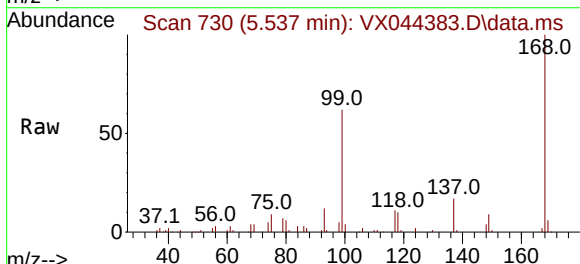
Instrument :
MSVOA_X
ClientSampleId :
TB

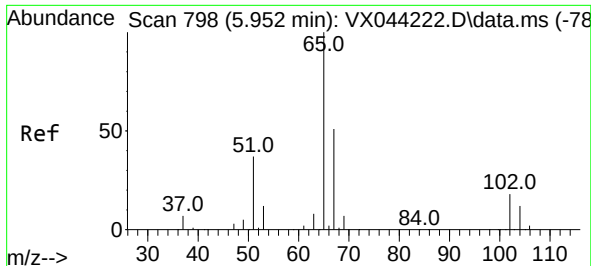
Tgt Ion:	84	Resp:	708
Ion	Ratio	Lower	Upper
84	100		
49	101.4	104.2	156.4#
51	34.7	32.2	48.4
86	35.6	50.9	76.3#



#31
Cyclohexane
Concen: 1.421 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Tgt Ion:	56	Resp:	3144
Ion	Ratio	Lower	Upper
56	100		
69	104.3	24.7	37.1#
84	94.0	71.0	106.6





#33

1,2-Dichloroethane-d4

Concen: 43.690 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044383.D

Acq: 18 Dec 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :

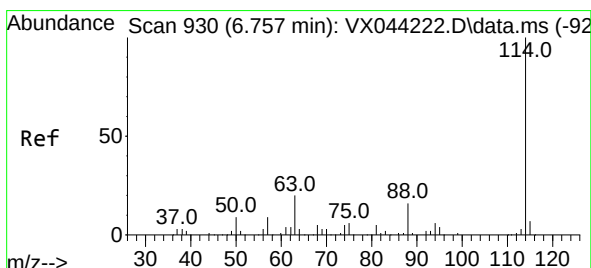
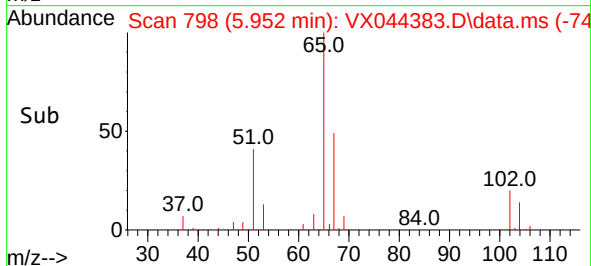
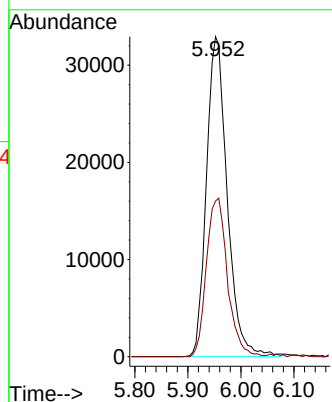
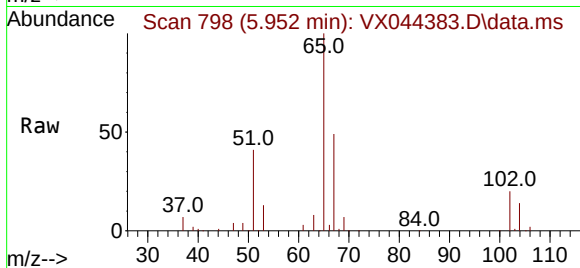
TB

Tgt Ion: 65 Resp: 89547

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044383.D

Acq: 18 Dec 2024 15:11

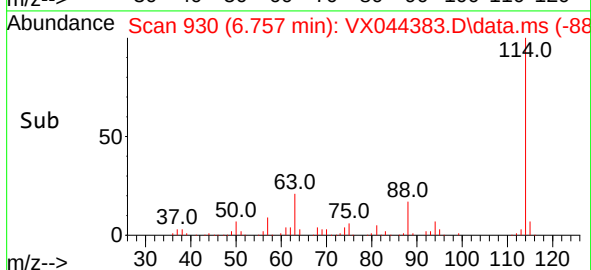
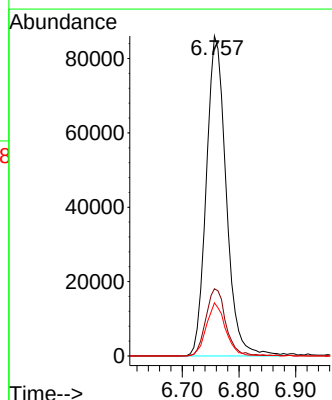
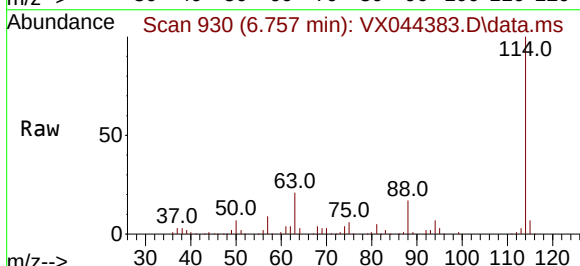
Tgt Ion: 114 Resp: 209253

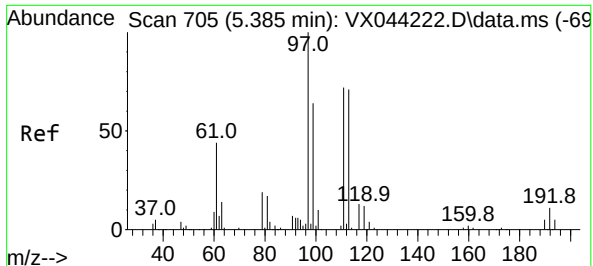
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.6

88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 46.417 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044383.D

Acq: 18 Dec 2024 15:11

Instrument :

MSVOA_X

ClientSampleId :

TB

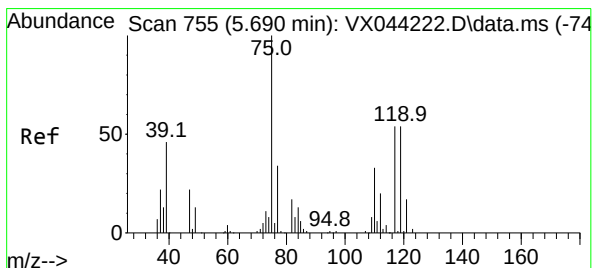
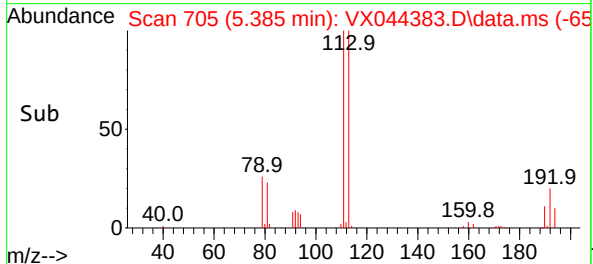
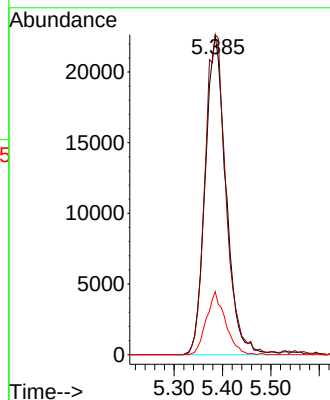
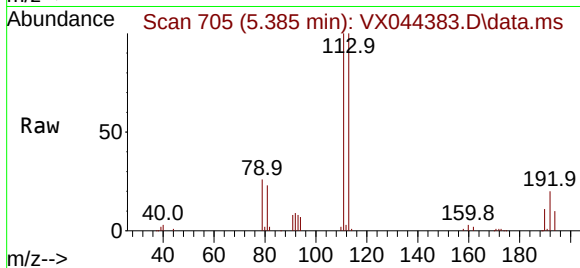
Tgt Ion:113 Resp: 67271

Ion Ratio Lower Upper

113 100

111 101.5 80.4 120.6

192 18.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.318 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX044383.D

Acq: 18 Dec 2024 15:11

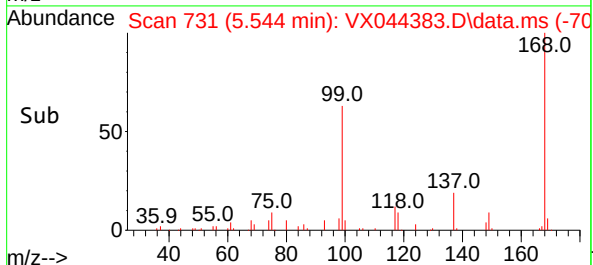
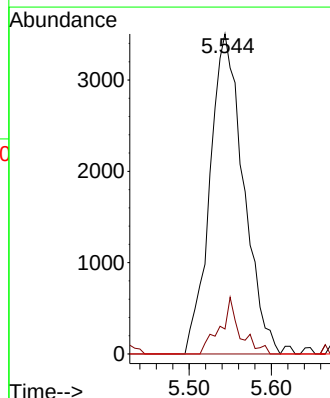
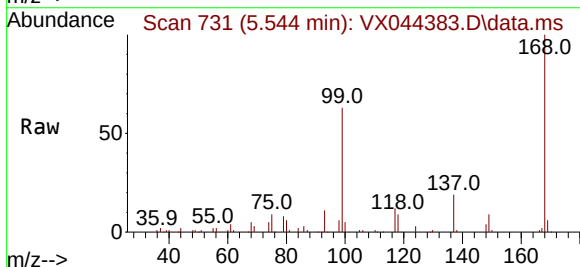
Tgt Ion: 75 Resp: 9963

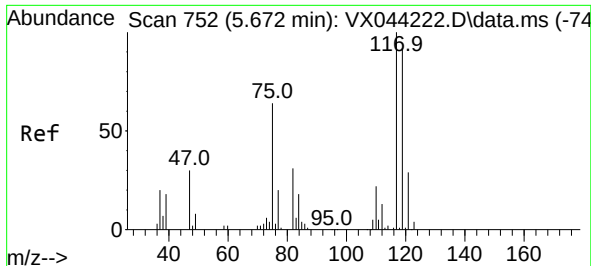
Ion Ratio Lower Upper

75 100

110 10.4 17.3 51.7#

77 0.0 25.4 38.0#

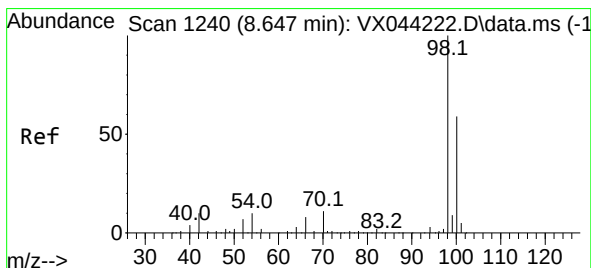
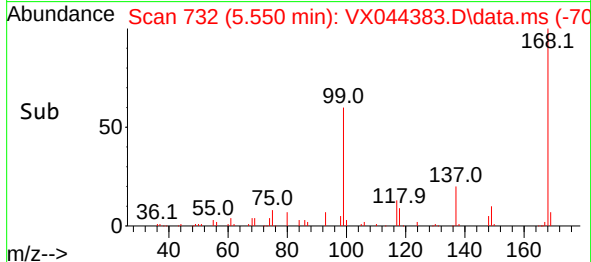
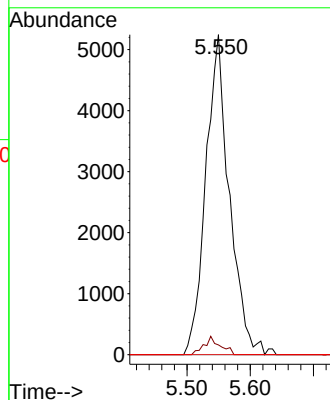
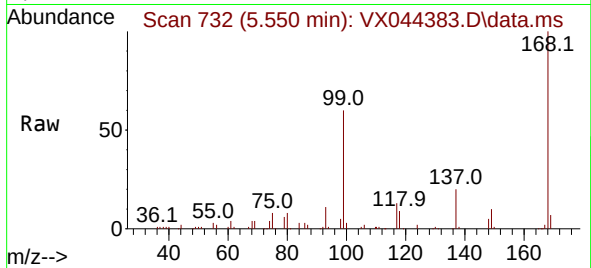




#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

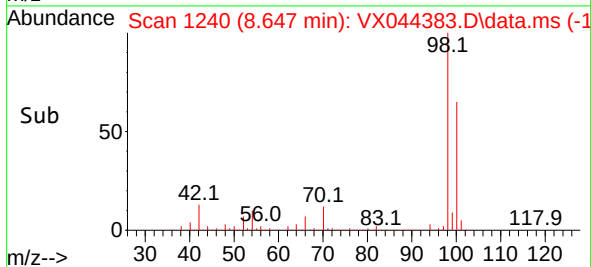
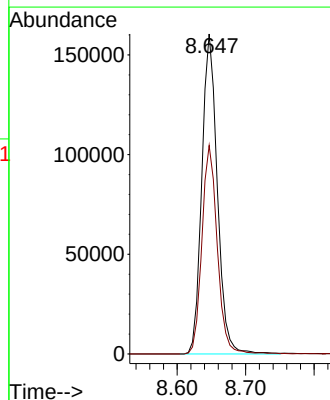
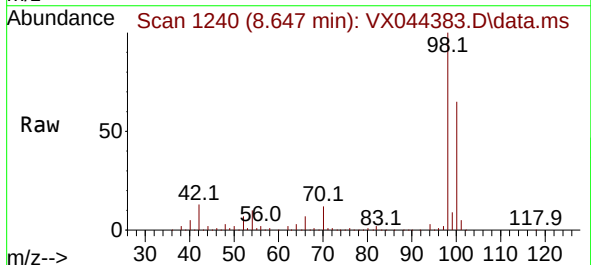
Instrument :
MSVOA_X
ClientSampleId :
TB

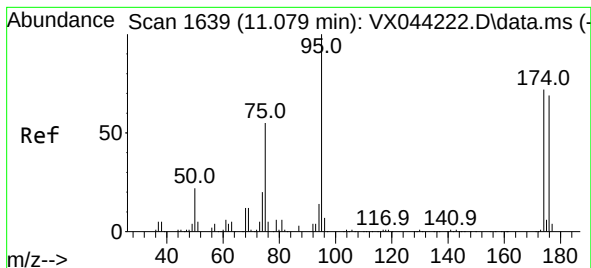
Tgt Ion:117 Resp: 13618
Ion Ratio Lower Upper
117 100
119 3.1 74.2 111.4#
121 0.0 23.0 34.6#



#50
Toluene-d8
Concen: 51.803 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Tgt Ion: 98 Resp: 253284
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3

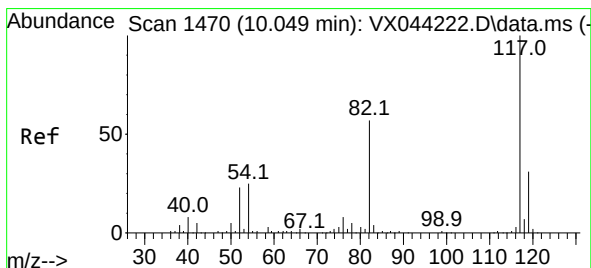
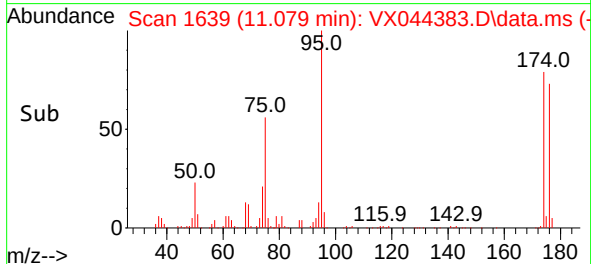
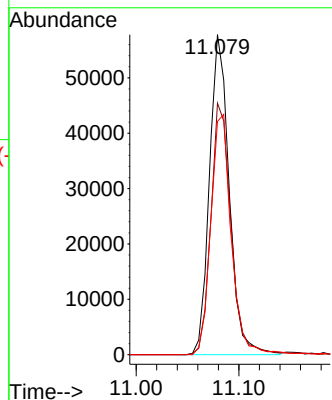
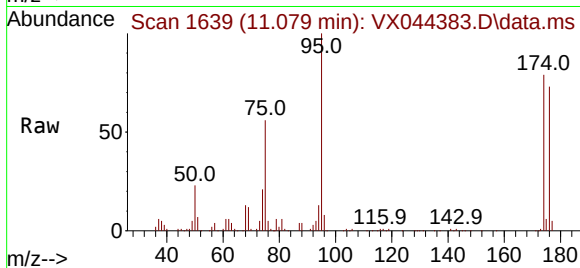




#62
4-Bromofluorobenzene
Concen: 45.310 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

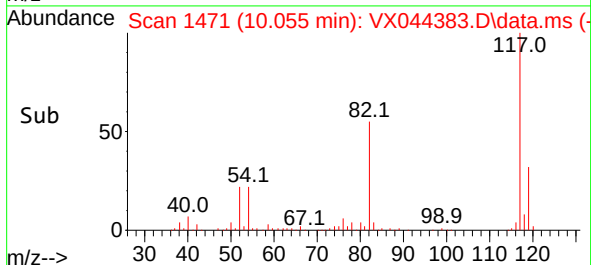
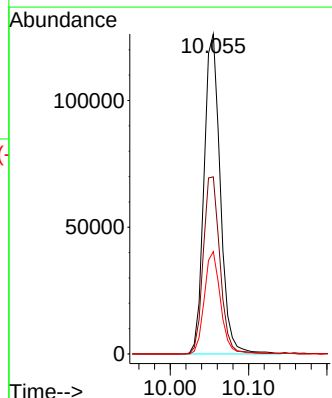
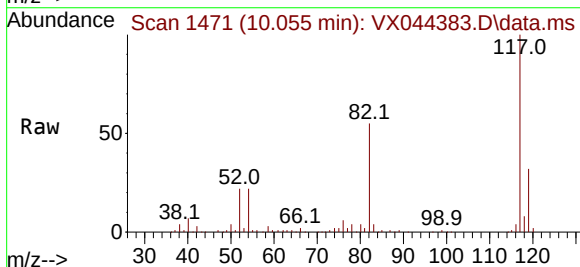
Instrument :
MSVOA_X
ClientSampleId :
TB

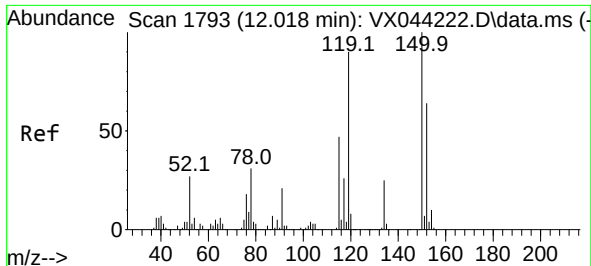
Tgt Ion: 95 Resp: 77412
Ion Ratio Lower Upper
95 100
174 80.6 0.0 145.8
176 78.1 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Tgt Ion: 117 Resp: 182054
Ion Ratio Lower Upper
117 100
82 55.4 45.8 68.8
119 32.0 25.0 37.4

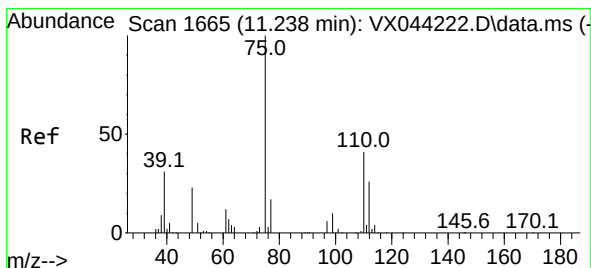
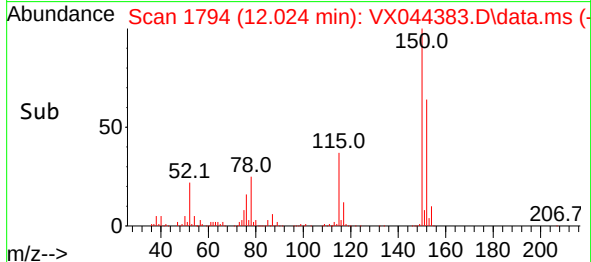
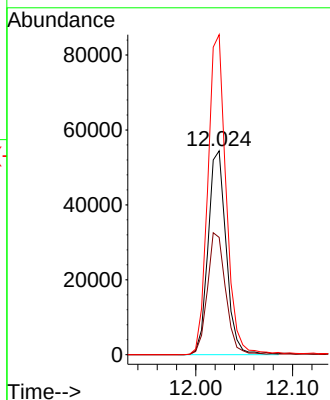
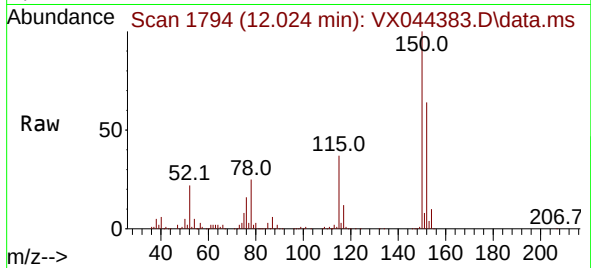




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044383.D
 Acq: 18 Dec 2024 15:11

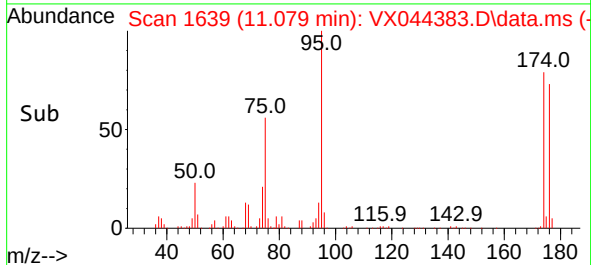
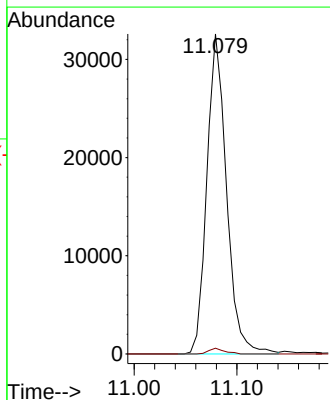
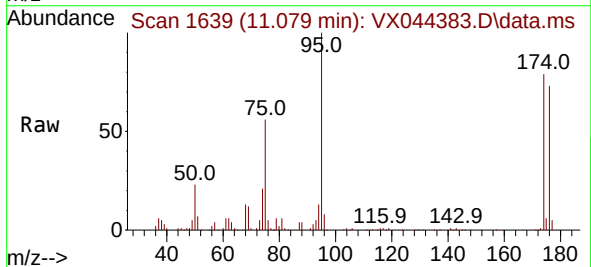
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

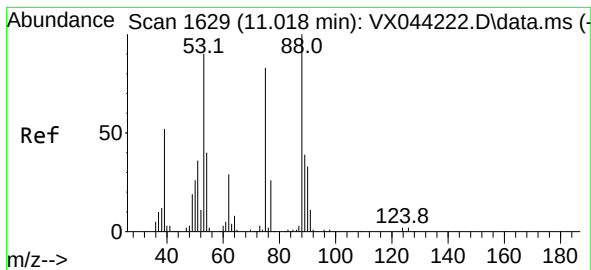
Tgt Ion:152 Resp: 70980
 Ion Ratio Lower Upper
 152 100
 115 61.3 44.5 133.3
 150 159.2 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 27.379 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX044383.D
 Acq: 18 Dec 2024 15:11

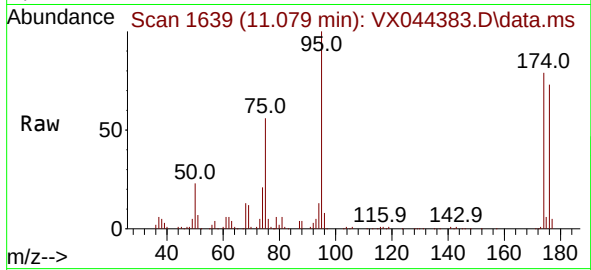
Tgt Ion: 75 Resp: 43391
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.9 62.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.281 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044383.D
Acq: 18 Dec 2024 15:11

Instrument :
MSVOA_X
ClientSampleId :
TB



Tgt Ion: 75 Resp: 43391
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

