

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
 Data File : VX044327.D
 Acq On : 16 Dec 2024 16:30
 Operator : JC/MD
 Sample : P5261-04DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20241209DL

Quant Time: Dec 17 00:52:34 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)

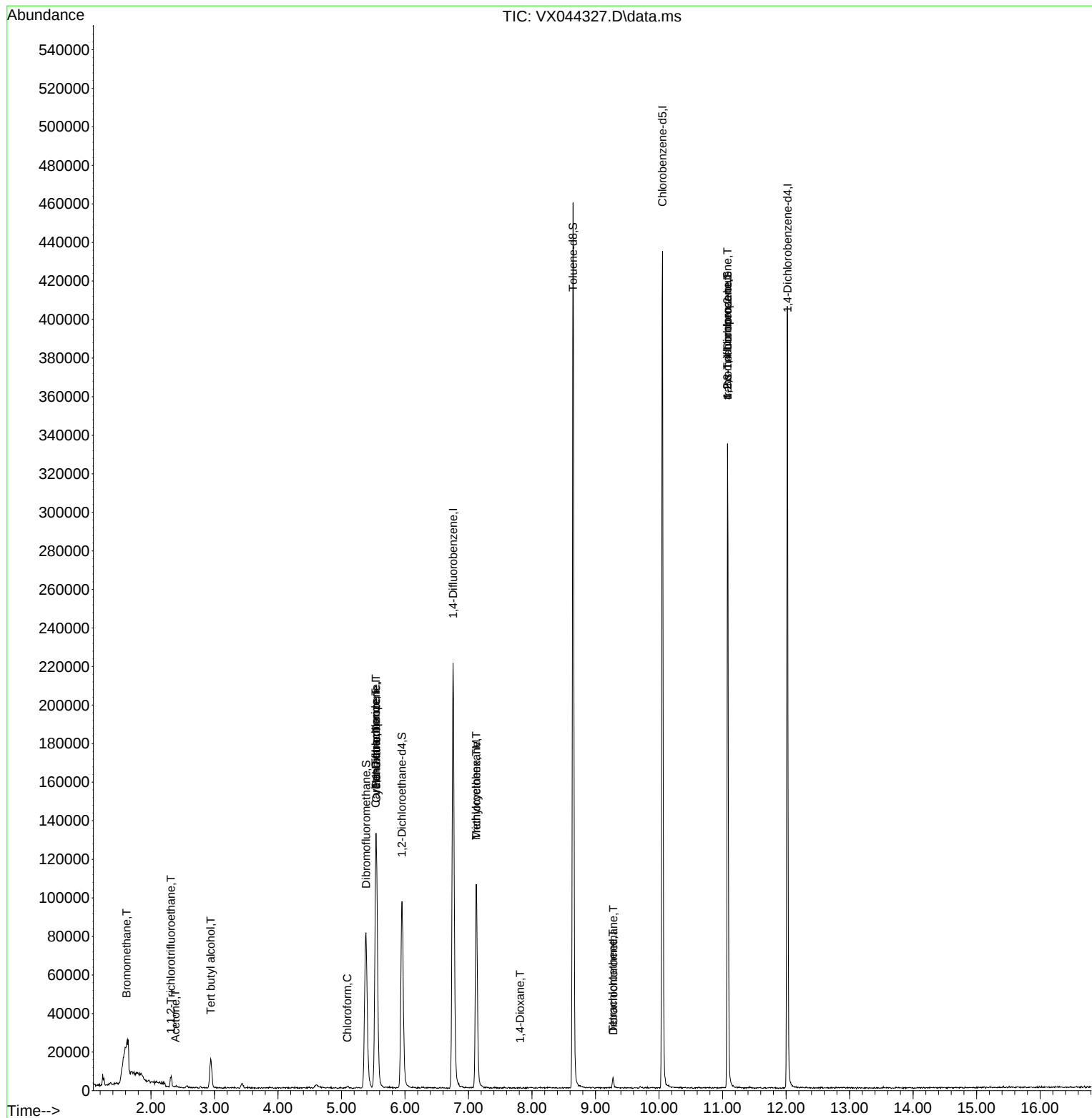
Internal Standards						
1) Pentafluorobenzene	5.544	168	115522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	214039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95733	47.264	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.520%
35) Dibromofluoromethane	5.385	113	69973	47.202	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.400%
50) Toluene-d8	8.647	98	261645	52.316	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.640%
62) 4-Bromofluorobenzene	11.079	95	86257	49.359	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.720%
Target Compounds						Qvalue
5) Bromomethane	1.618	94	318	0.252	ug/l #	36
9) 1,1,2-Trichlorotrifluo...	2.313	101	2224	1.578	ug/l	97
11) Tert butyl alcohol	2.941	59	9077	31.798	ug/l #	75
16) Acetone	2.386	43	668	0.809	ug/l #	74
30) Chloroform	5.093	83	835	0.275	ug/l	100
31) Cyclohexane	5.550	56	3182	1.456	ug/l #	30
36) 1,1-Dichloropropene	5.544	75	11282	5.888	ug/l #	48
38) Carbon Tetrachloride	5.538	117	13667	6.625	ug/l #	16
39) Methylcyclohexane	7.123	83	644	0.281	ug/l #	24
44) Trichloroethene	7.123	130	40489	27.907	ug/l	97
49) 1,4-Dioxane	7.812	88	52	1.745	ug/l #	32
60) Dibromochloromethane	9.281	129	919	1.841	ug/l #	11
64) Tetrachloroethene	9.275	164	994	0.782	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	47308	26.855	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	47308	73.947	ug/l #	4

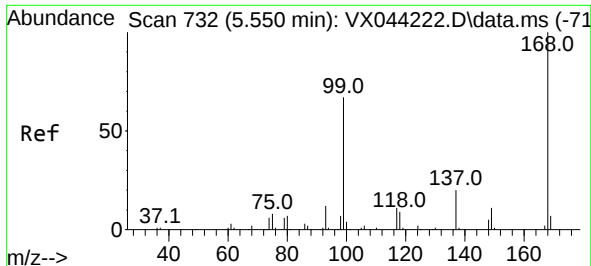
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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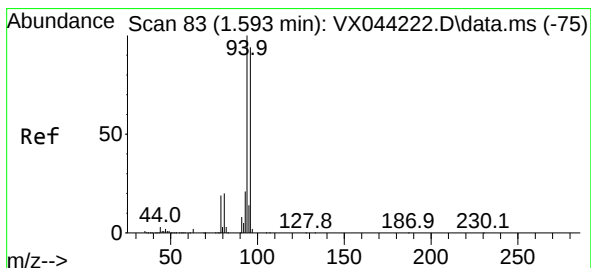
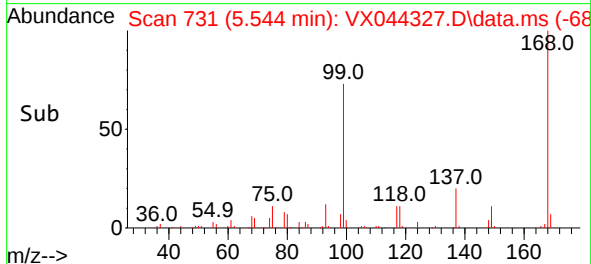
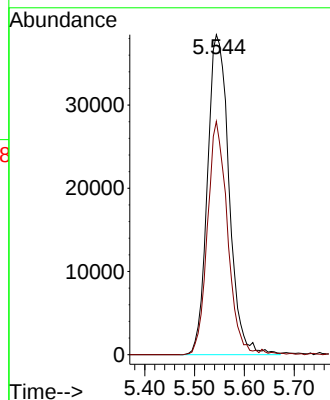
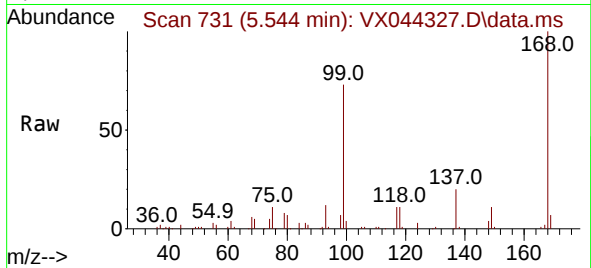




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

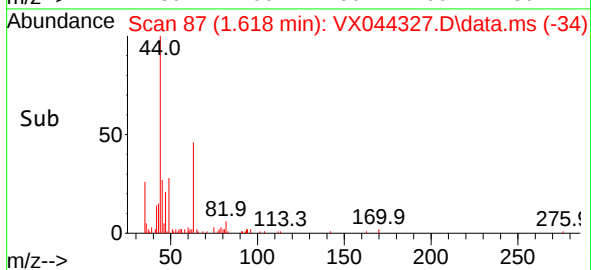
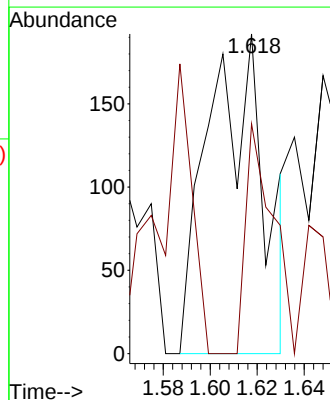
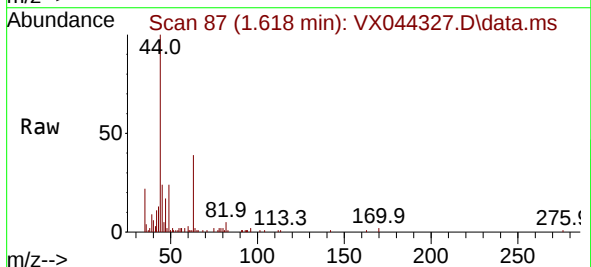
Instrument :
MSVOA_X
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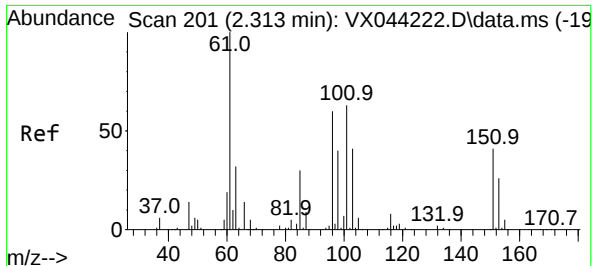
Tgt Ion:168 Resp: 115522
Ion Ratio Lower Upper
168 100
99 72.9 53.4 80.0



#5
Bromomethane
Concen: 0.252 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.024 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion: 94 Resp: 318
Ion Ratio Lower Upper
94 100
96 31.8 74.9 112.3#

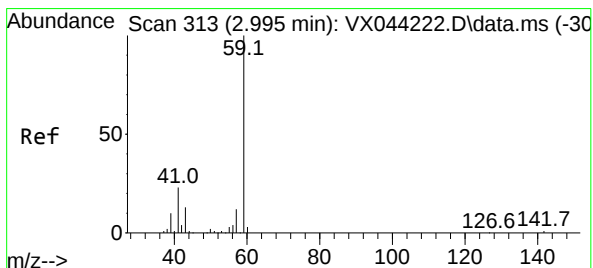
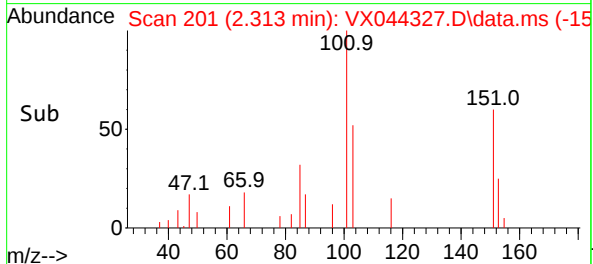
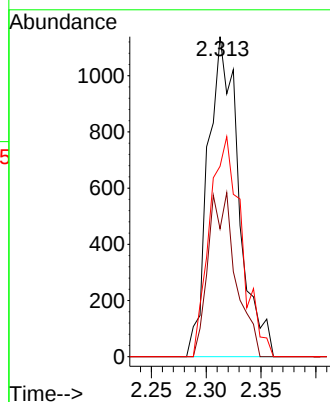
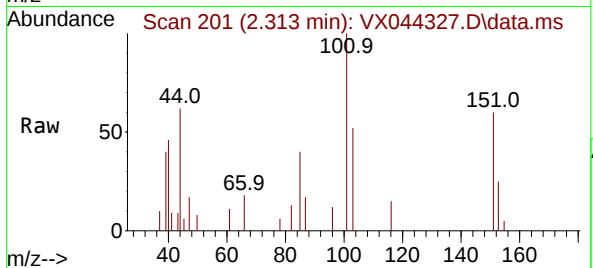




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.578 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

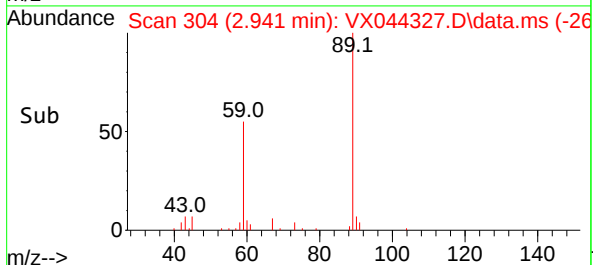
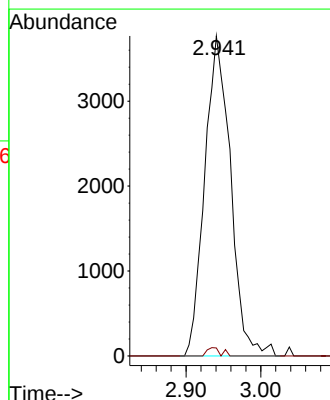
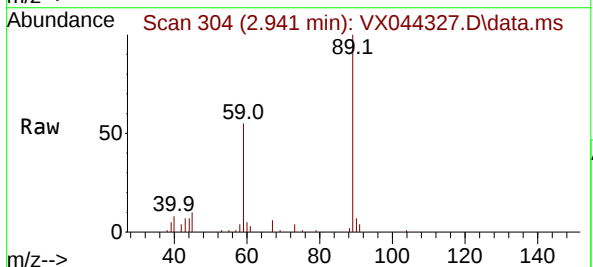
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20241209DL

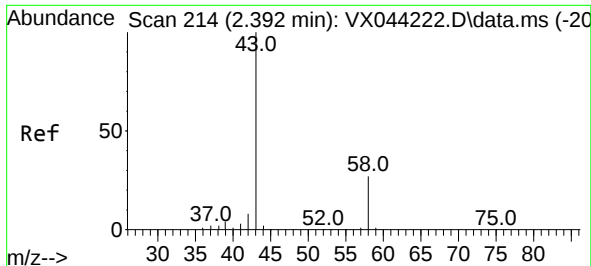
Tgt Ion:101 Resp: 2224
Ion Ratio Lower Upper
101 100
85 45.8 38.5 57.7
151 71.2 55.8 83.6



#11
Tert butyl alcohol
Concen: 31.798 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion: 59 Resp: 9077
Ion Ratio Lower Upper
59 100
57 1.4 8.8 13.2#

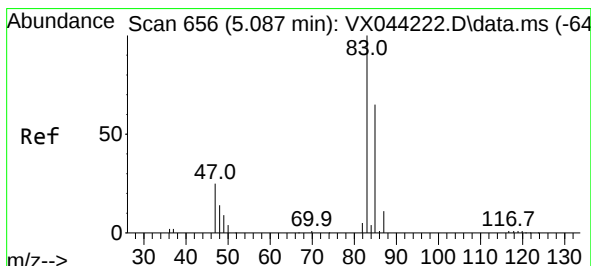
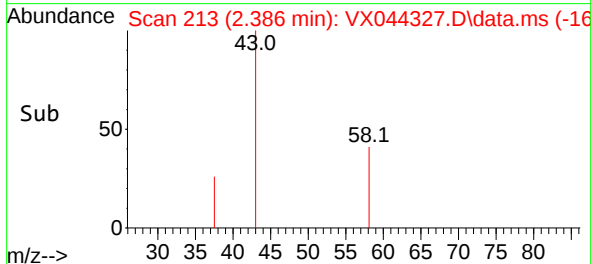
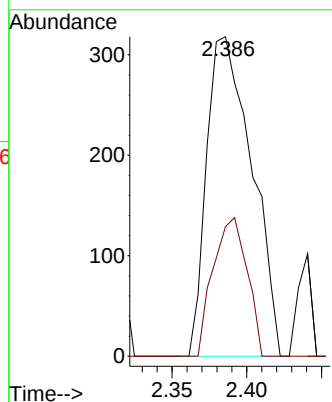
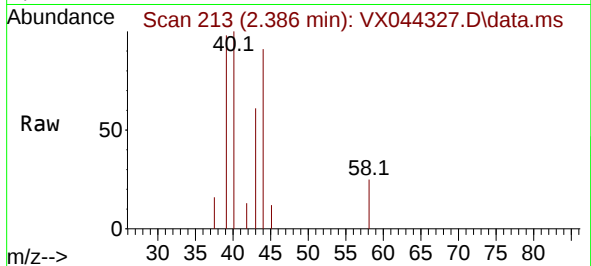




#16
Acetone
Concen: 0.809 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

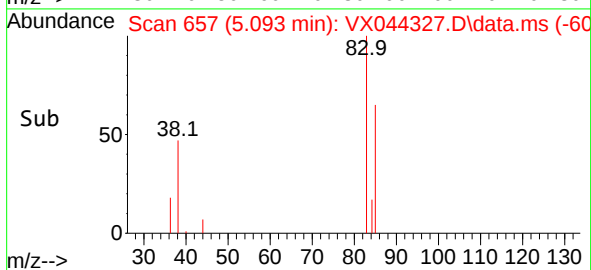
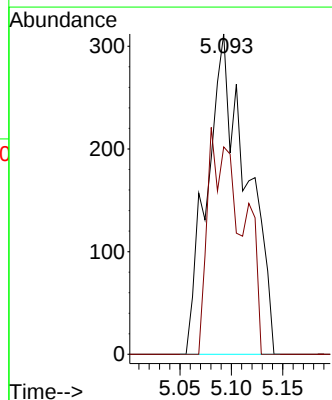
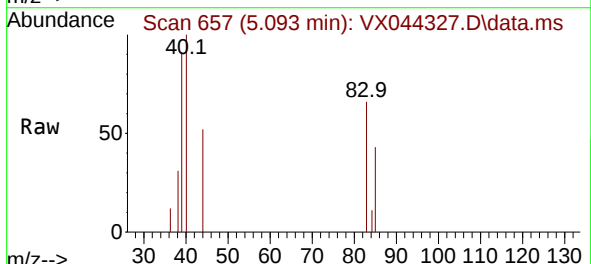
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20241209DL

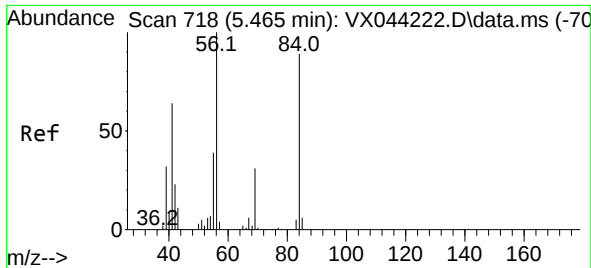
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 40.6 21.6 32.4#



#30
Chloroform
Concen: 0.275 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion: 83 Resp: 835
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4

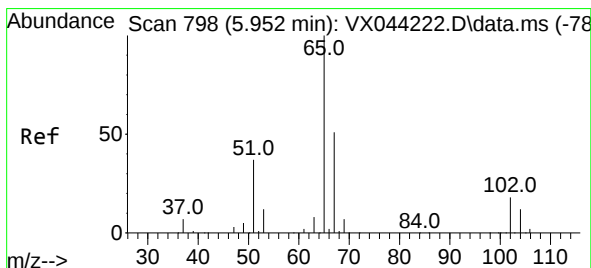
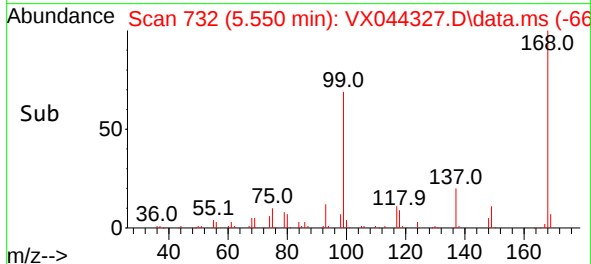
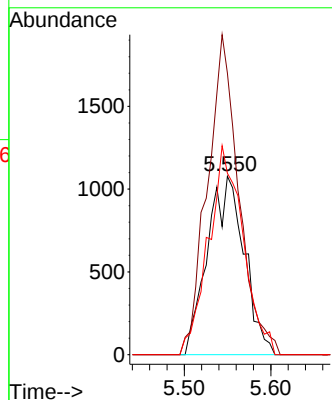
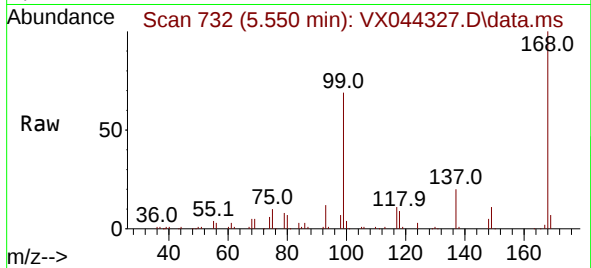




#31
Cyclohexane
Concen: 1.456 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

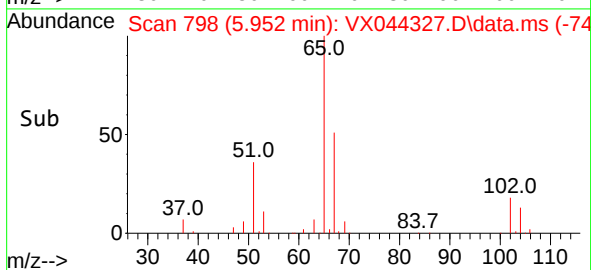
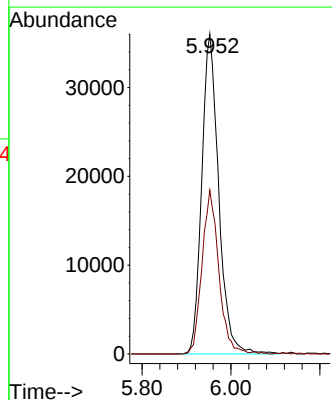
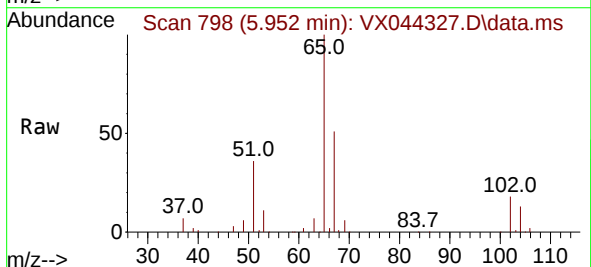
Instrument :
MSVOA_X
ClientSampleId :
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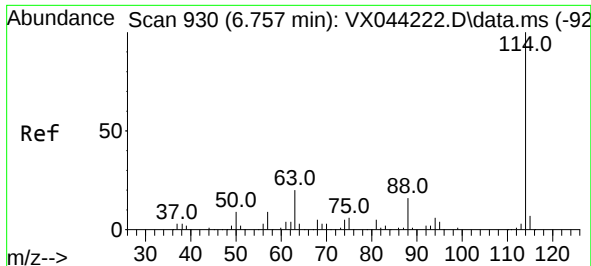
Tgt Ion: 56 Resp: 3182
Ion Ratio Lower Upper
56 100
69 157.8 24.7 37.1#
84 101.7 71.0 106.6



#33
1,2-Dichloroethane-d4
Concen: 47.264 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion: 65 Resp: 95733
Ion Ratio Lower Upper
65 100
67 50.5 0.0 101.6

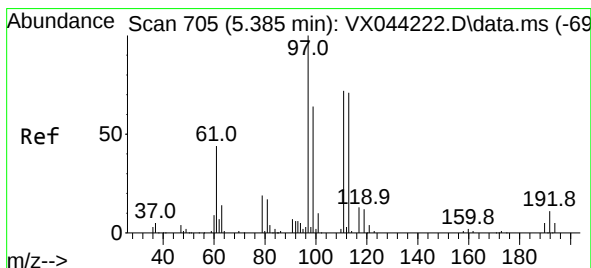
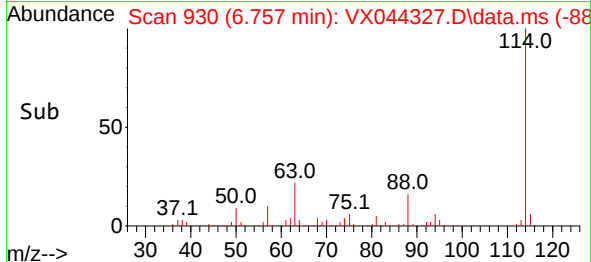
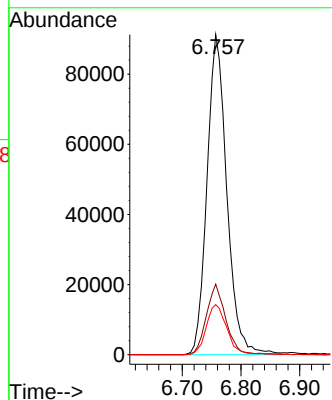
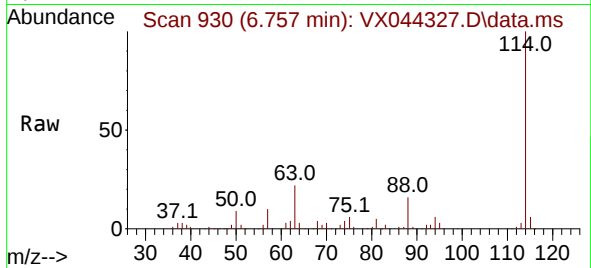




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

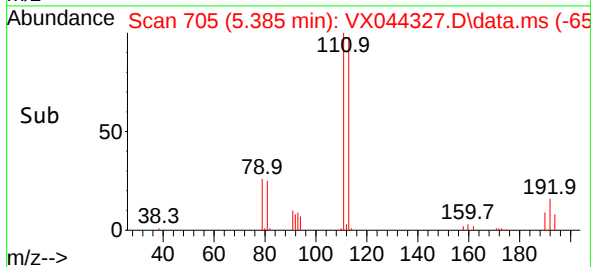
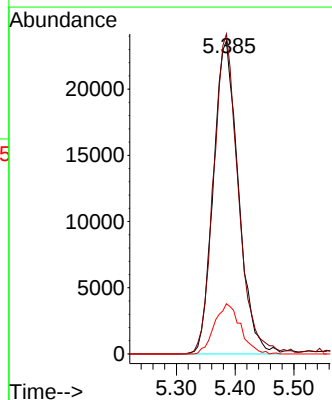
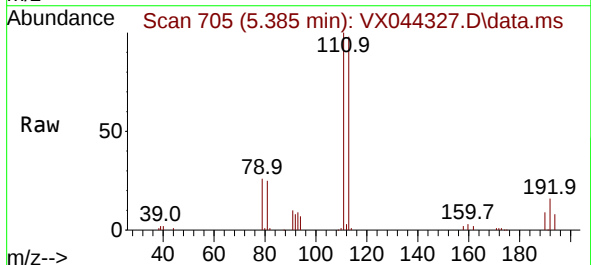
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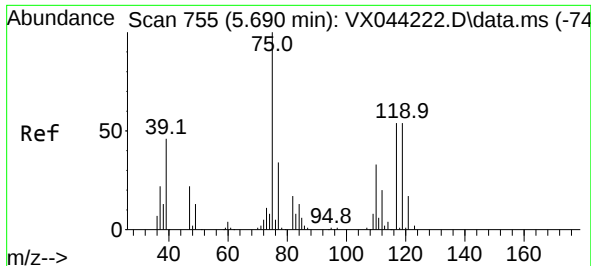
Tgt Ion:114 Resp: 214039
Ion Ratio Lower Upper
114 100
63 22.0 0.0 40.6
88 15.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.202 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion:113 Resp: 69973
Ion Ratio Lower Upper
113 100
111 100.4 80.4 120.6
192 16.6 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.888 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX044327.D

Acq: 16 Dec 2024 16:30

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20241209DL

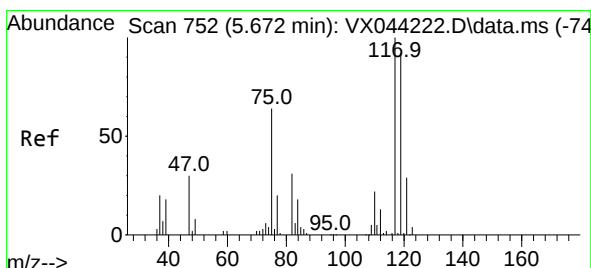
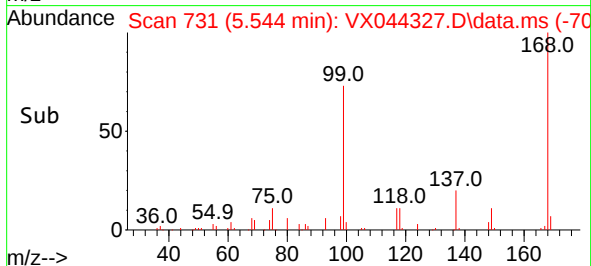
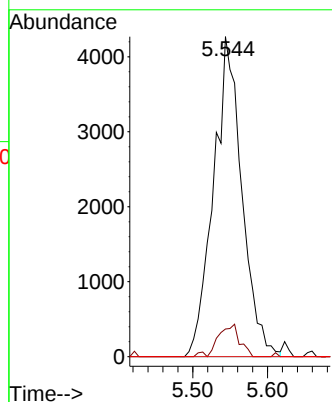
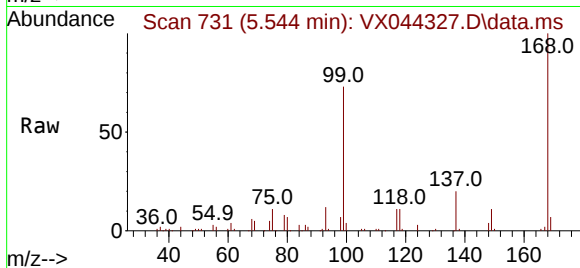
Tgt Ion: 75 Resp: 11282

Ion Ratio Lower Upper

75 100

110 7.7 17.3 51.7#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.625 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX044327.D

Acq: 16 Dec 2024 16:30

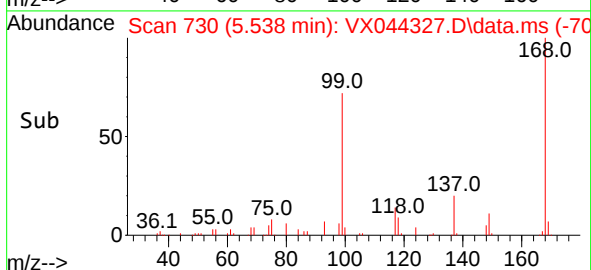
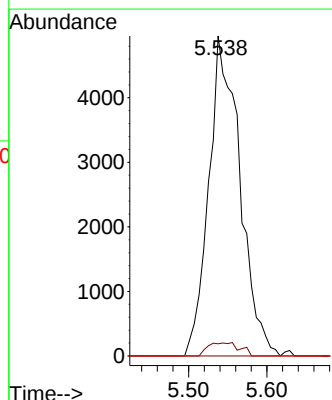
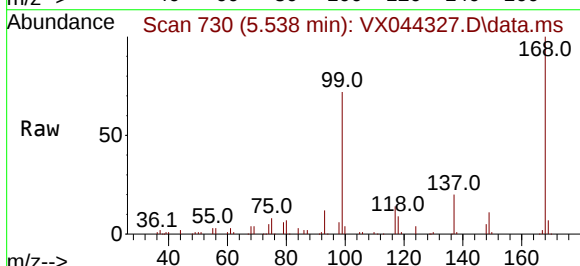
Tgt Ion: 117 Resp: 13667

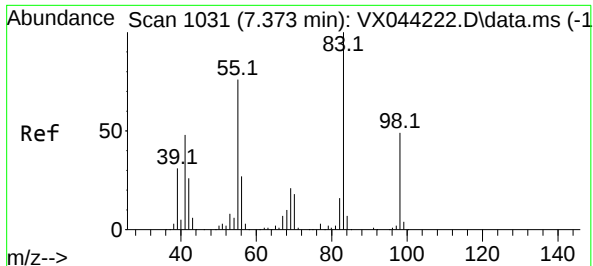
Ion Ratio Lower Upper

117 100

119 3.8 74.2 111.4#

121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 0.281 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX044327.D

Acq: 16 Dec 2024 16:30

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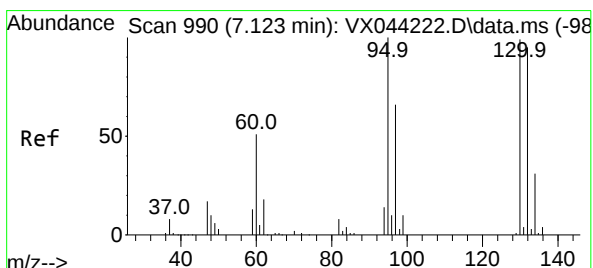
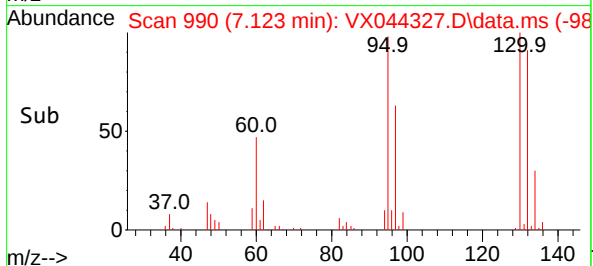
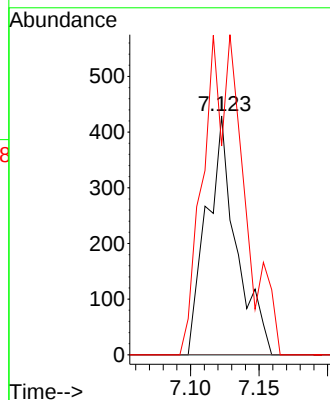
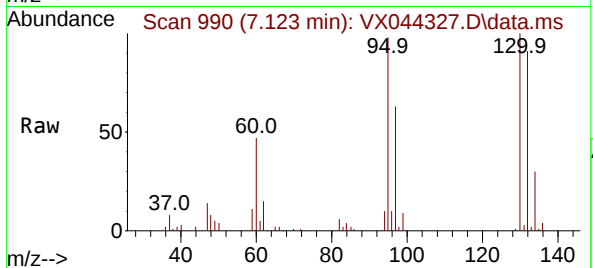
Tgt Ion: 83 Resp: 644

Ion Ratio Lower Upper

83 100

55 0.0 60.7 91.1#

98 87.4 38.9 58.3#



#44

Trichloroethene

Concen: 27.907 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX044327.D

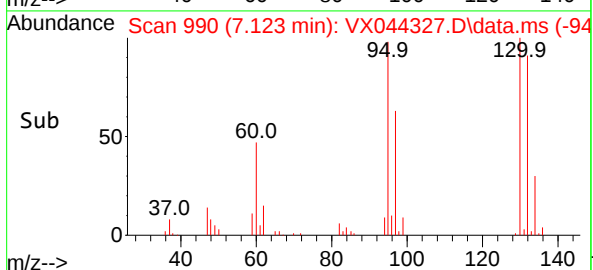
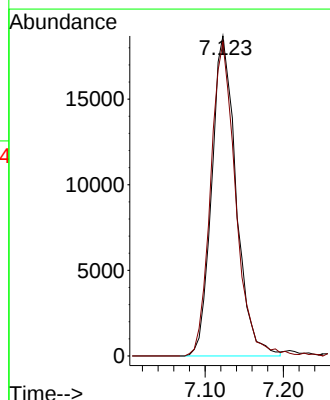
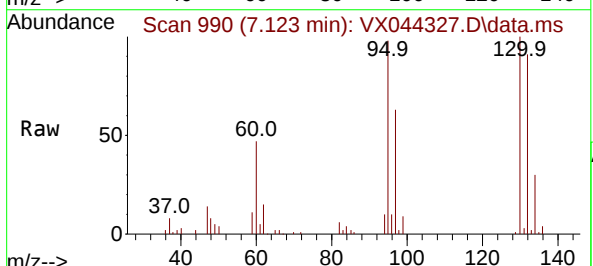
Acq: 16 Dec 2024 16:30

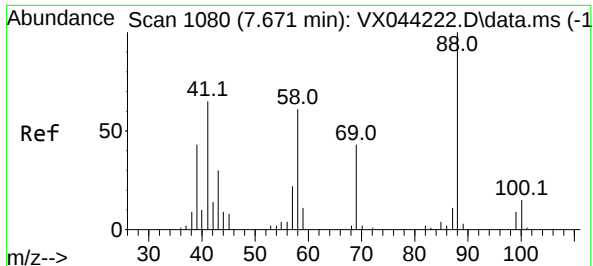
Tgt Ion:130 Resp: 40489

Ion Ratio Lower Upper

130 100

95 98.1 0.0 201.4





#49

1,4-Dioxane

Concen: 1.745 ug/l

RT: 7.812 min Scan# 1103

Delta R.T. 0.140 min

Lab File: VX044327.D

Acq: 16 Dec 2024 16:30

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20241209DL

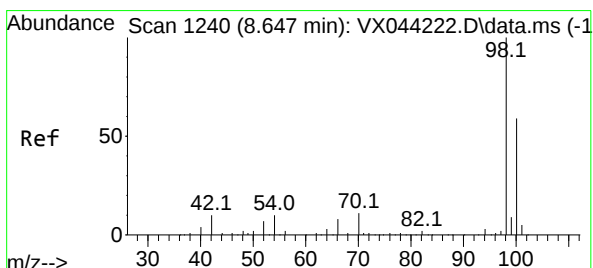
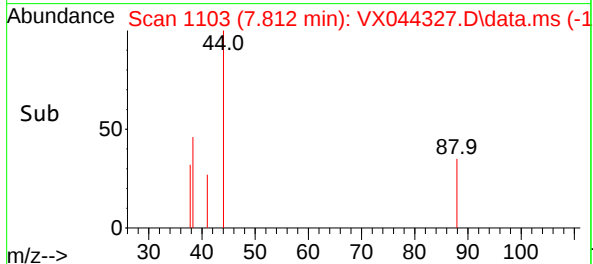
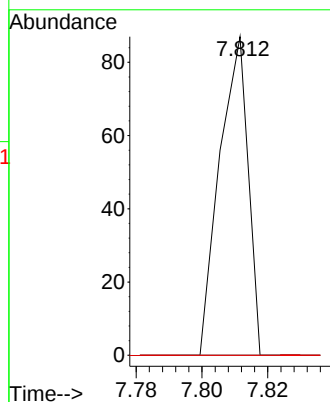
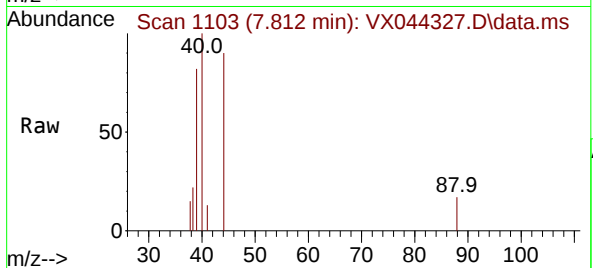
Tgt Ion: 88 Resp: 52

Ion Ratio Lower Upper

88 100

43 0.0 27.1 40.7#

58 0.0 41.0 61.4#



#50

Toluene-d8

Concen: 52.316 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044327.D

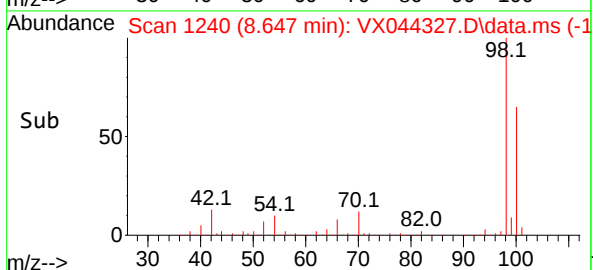
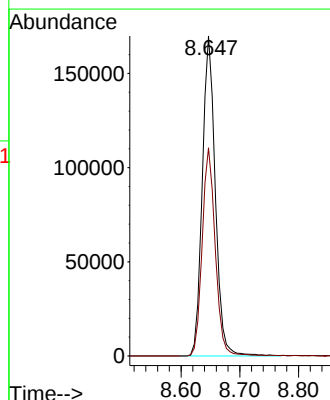
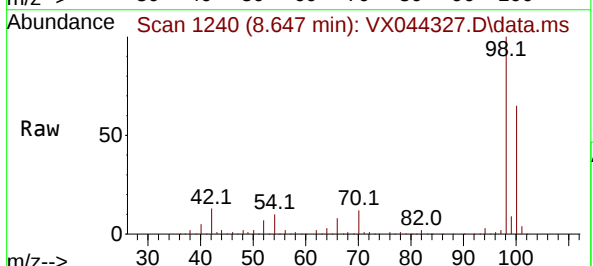
Acq: 16 Dec 2024 16:30

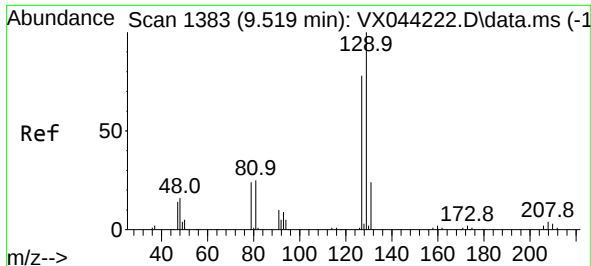
Tgt Ion: 98 Resp: 261645

Ion Ratio Lower Upper

98 100

100 65.2 51.5 77.3

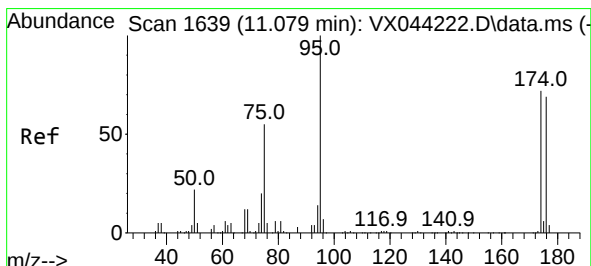
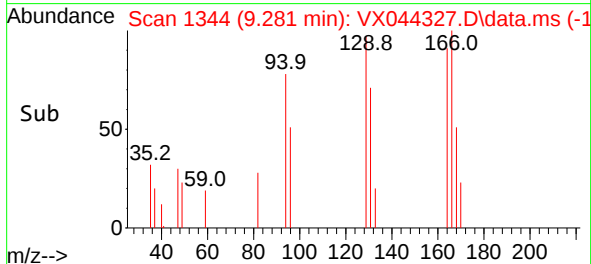
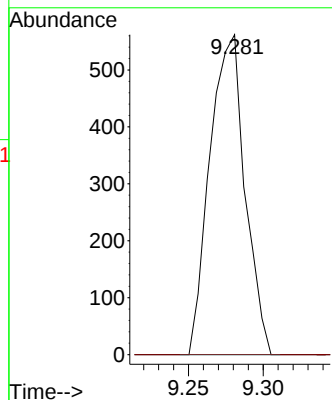
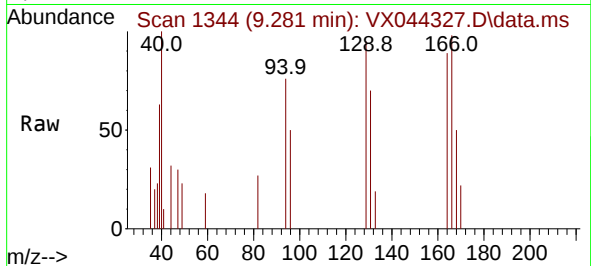




#60
Dibromochloromethane
Concen: 1.841 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

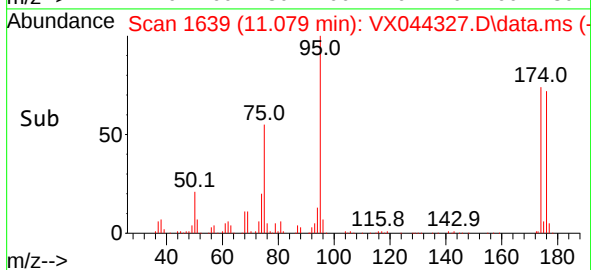
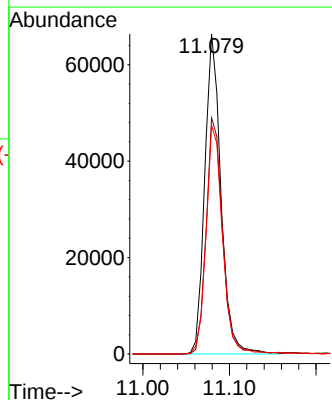
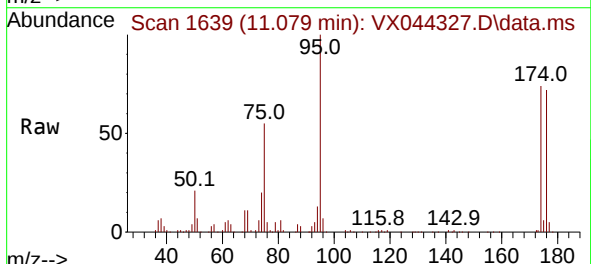
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20241209DL

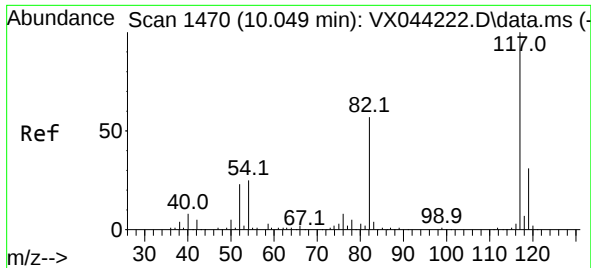
Tgt Ion:129 Resp: 919
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 49.359 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion: 95 Resp: 86257
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.8
176 72.9 0.0 137.8

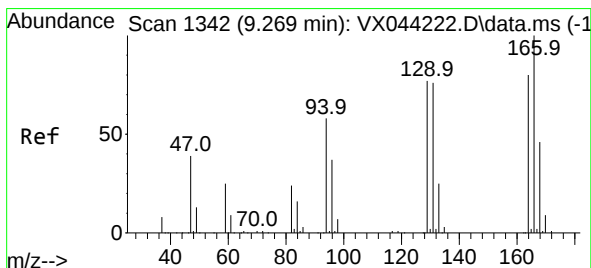
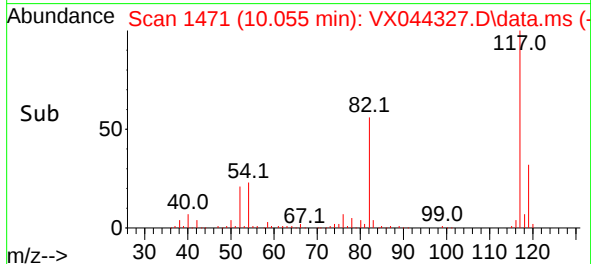
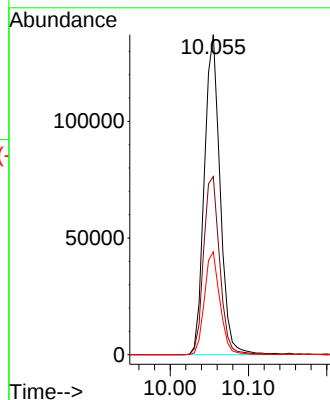
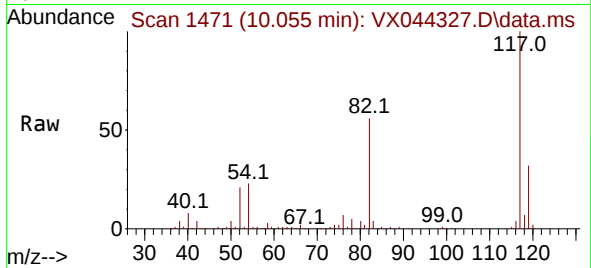




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

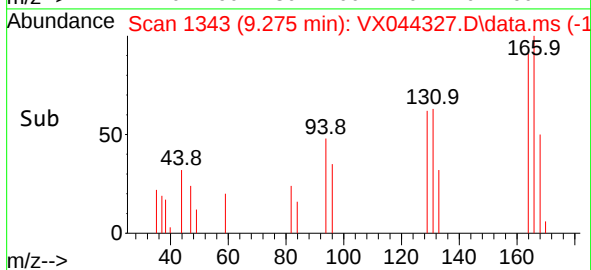
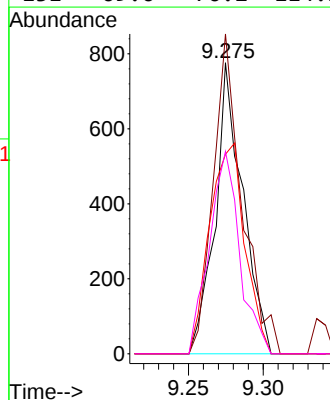
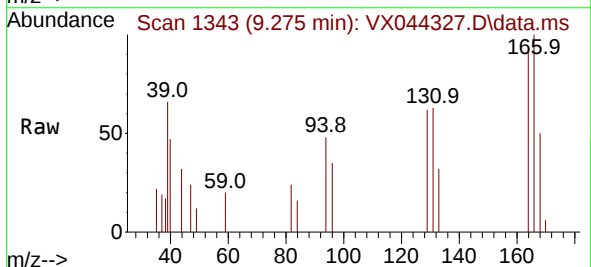
Instrument :
MSVOA_X
ClientSampleId :
RE103D1-20241209DL

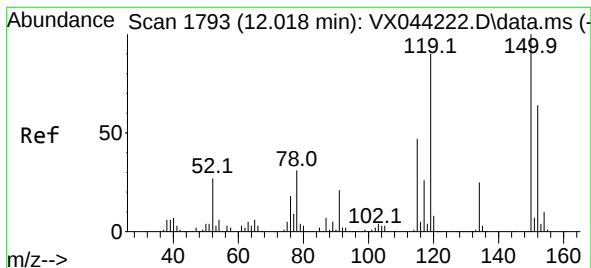
Tgt Ion:117 Resp: 191412
Ion Ratio Lower Upper
117 100
82 55.7 45.8 68.8
119 32.2 25.0 37.4



#64
Tetrachloroethene
Concen: 0.782 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044327.D
Acq: 16 Dec 2024 16:30

Tgt Ion:164 Resp: 994
Ion Ratio Lower Upper
164 100
166 109.9 100.4 150.6
129 68.6 77.2 115.8#
131 69.6 76.2 114.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044327.D

Acq: 16 Dec 2024 16:30

Instrument :

MSVOA_X

ClientSampleId :

RE103D1-20241209DL

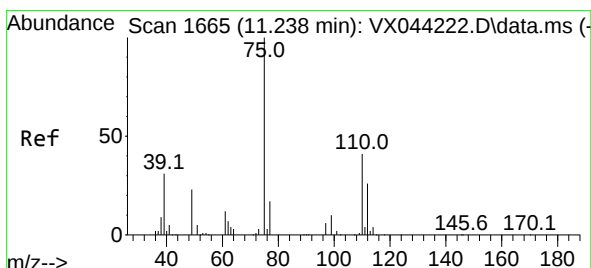
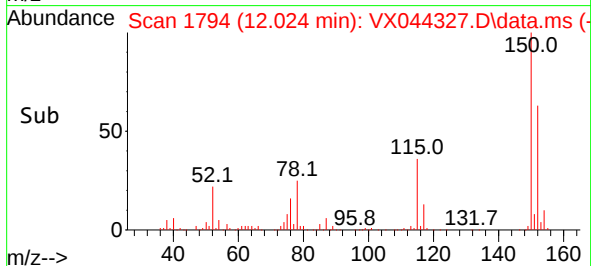
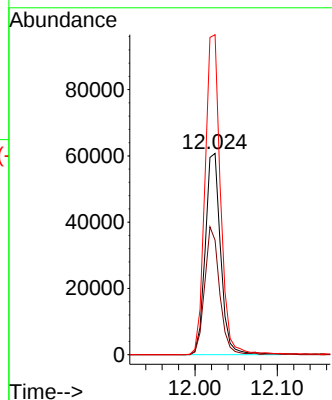
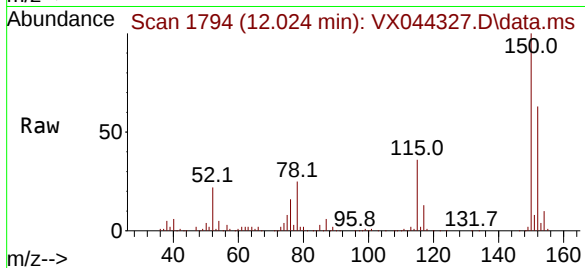
Tgt Ion:152 Resp: 78897

Ion Ratio Lower Upper

152 100

115 61.4 44.5 133.3

150 160.7 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 26.855 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044327.D

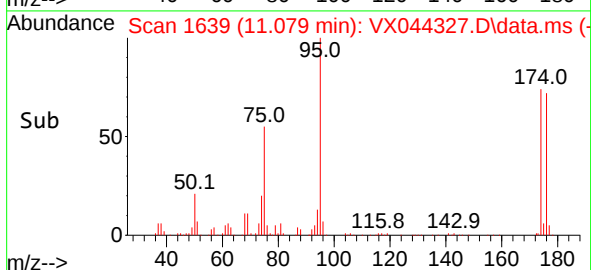
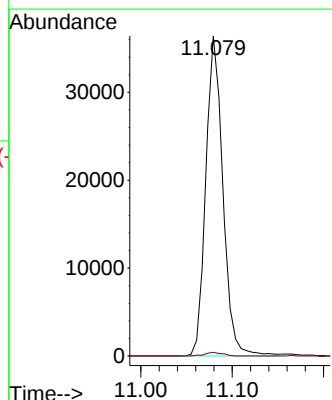
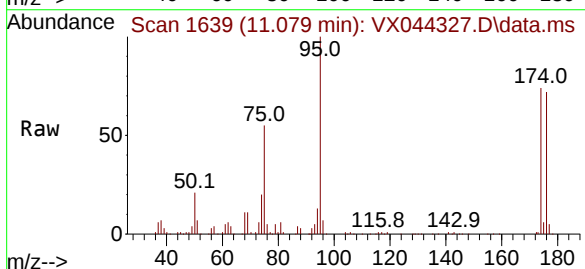
Acq: 16 Dec 2024 16:30

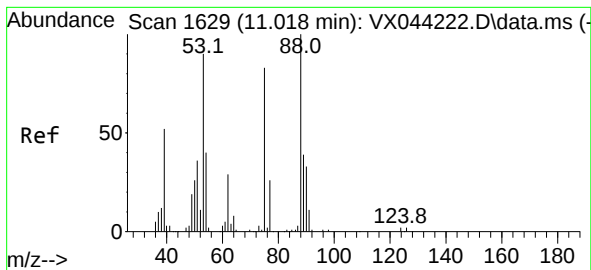
Tgt Ion: 75 Resp: 47308

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.947 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044327.D
 Acq: 16 Dec 2024 16:30

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D1-20241209DL

Tgt Ion: 75 Resp: 47308
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.0 37.3 55.9#

