

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121624\
 Data File : VX044323.D
 Acq On : 16 Dec 2024 14:57
 Operator : JC/MD
 Sample : P5261-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20241209DL

Quant Time: Dec 17 00:50:51 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)

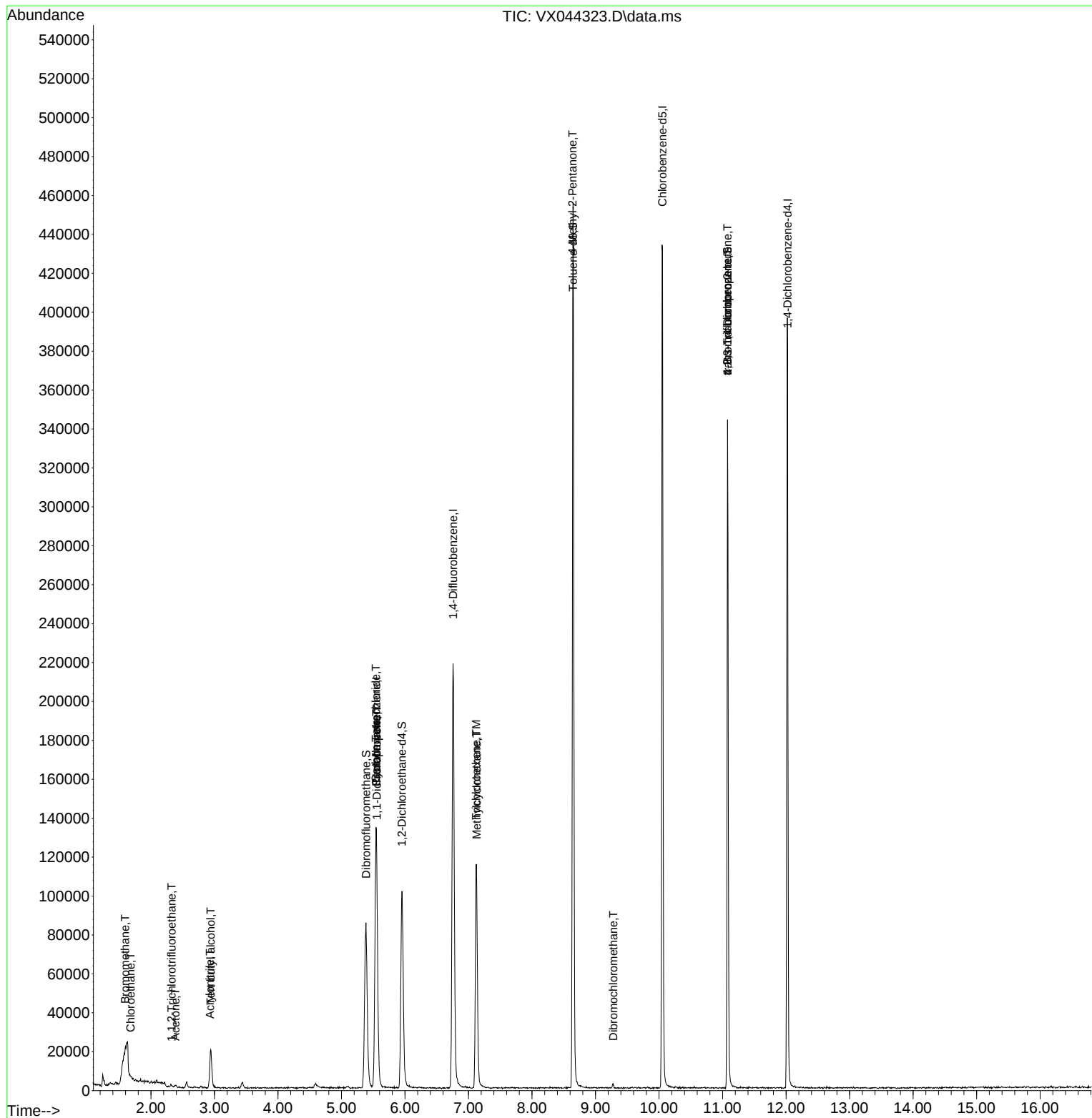
Internal Standards						
1) Pentafluorobenzene	5.550	168	118197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	223567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	100189	48.345	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.680%
35) Dibromofluoromethane	5.385	113	72978	47.131	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.260%
50) Toluene-d8	8.647	98	269214	51.535	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.080%
62) 4-Bromofluorobenzene	11.079	95	85697	46.948	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.900%
Target Compounds						Qvalue
5) Bromomethane	1.593	94	443	0.343	ug/l #	58
6) Chloroethane	1.678	64	236	0.208	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	382	0.265	ug/l #	60
11) Tert butyl alcohol	2.940	59	11564	39.593	ug/l #	76
15) Acrylonitrile	2.928	53	236	0.292	ug/l #	17
16) Acetone	2.386	43	966	1.143	ug/l #	74
31) Cyclohexane	5.550	56	3320	1.484	ug/l #	52
36) 1,1-Dichloropropene	5.556	75	10986	5.489	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13592	6.308	ug/l #	18
39) Methylcyclohexane	7.129	83	627	0.262	ug/l #	1
44) Trichloroethene	7.123	130	44484	29.354	ug/l	95
51) 4-Methyl-2-Pentanone	8.641	43	1398	0.562	ug/l #	1
60) Dibromochloromethane	9.281	129	313	1.430	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	49264	28.240	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	49264	77.472	ug/l #	4

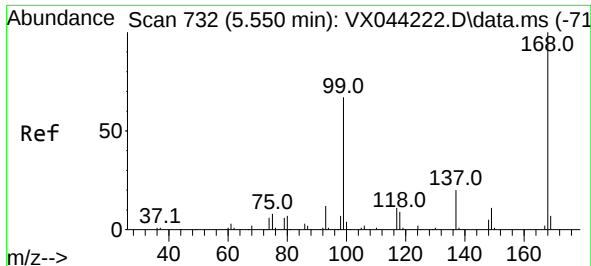
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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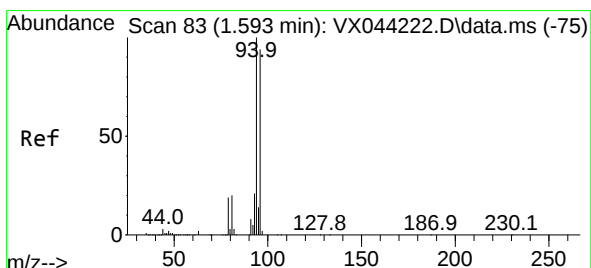
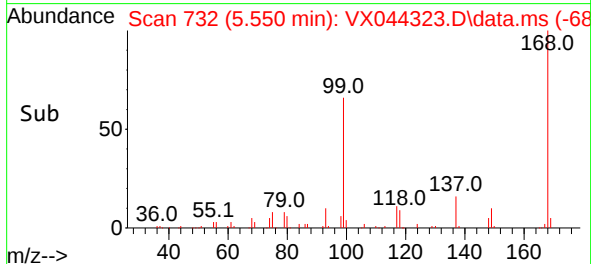
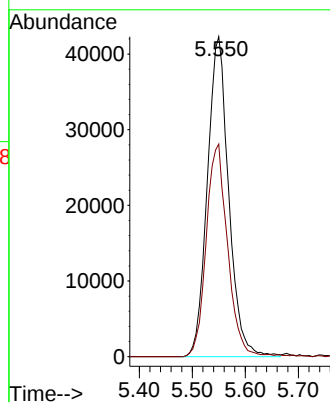
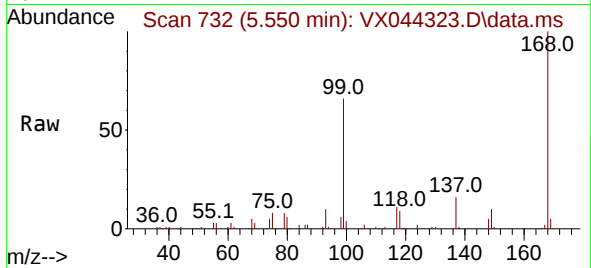




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

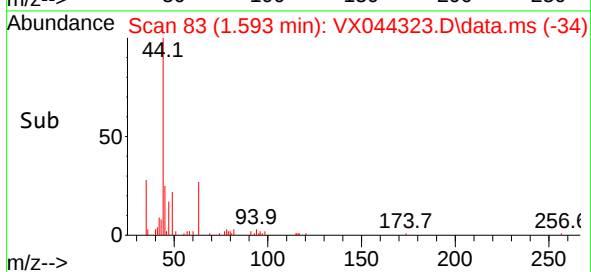
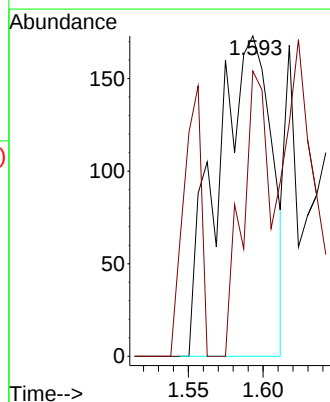
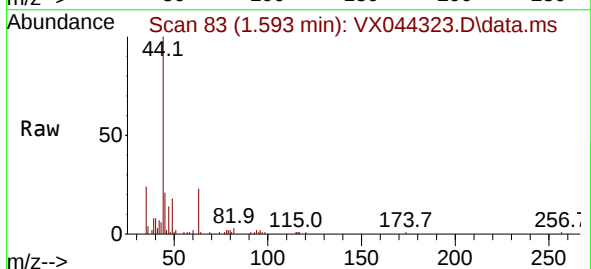
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20241209DL

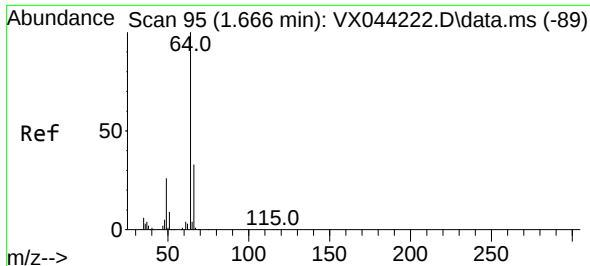
Tgt Ion:168 Resp: 118197
Ion Ratio Lower Upper
168 100
99 66.5 53.4 80.0



#5
Bromomethane
Concen: 0.343 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

Tgt Ion: 94 Resp: 443
Ion Ratio Lower Upper
94 100
96 53.2 74.9 112.3#

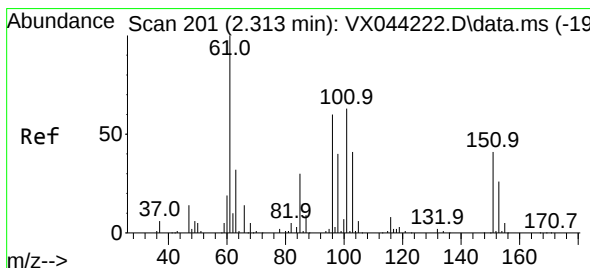
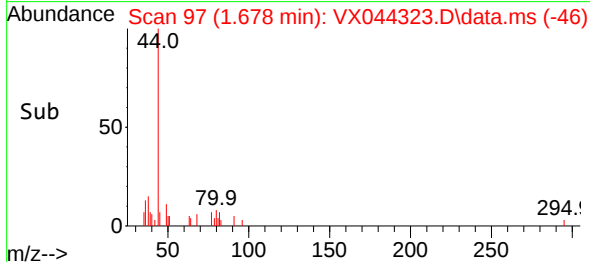
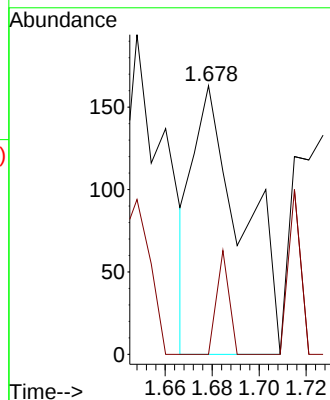
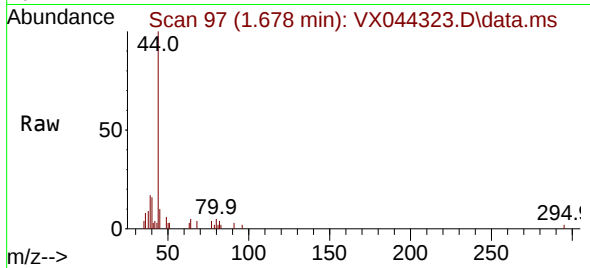




#6
Chloroethane
Concen: 0.208 ug/l
RT: 1.678 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

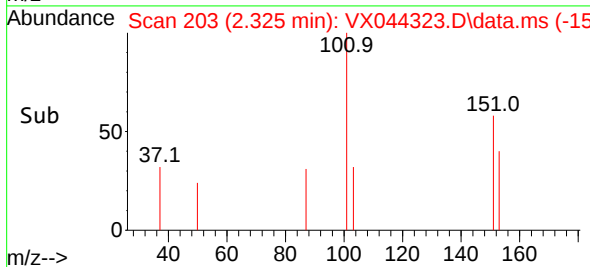
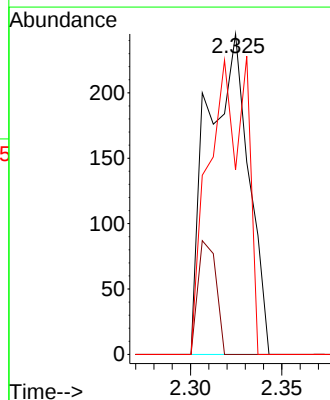
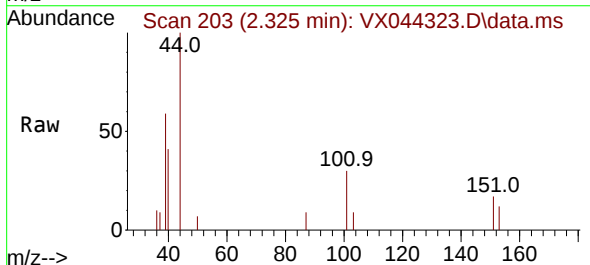
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20241209DL

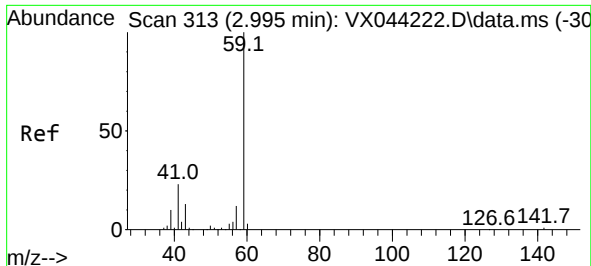
Tgt Ion: 64 Resp: 236
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.265 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.012 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

Tgt Ion: 101 Resp: 382
Ion Ratio Lower Upper
101 100
85 0.0 38.5 57.7#
151 84.6 55.8 83.6#





#11

Tert butyl alcohol

Concen: 39.593 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

Instrument :

MSVOA_X

ClientSampleId :

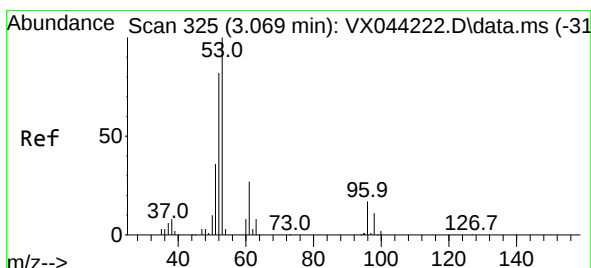
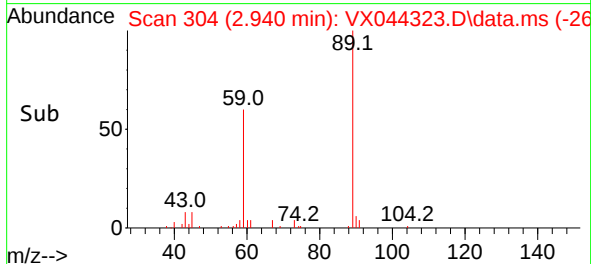
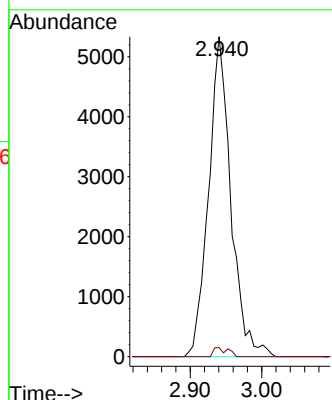
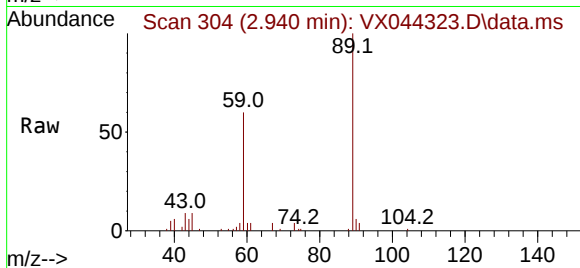
RE122D1-20241209DL

Tgt Ion: 59 Resp: 11564

Ion Ratio Lower Upper

59 100

57 1.8 8.8 13.2#



#15

Acrylonitrile

Concen: 0.292 ug/l

RT: 2.928 min Scan# 302

Delta R.T. -0.140 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

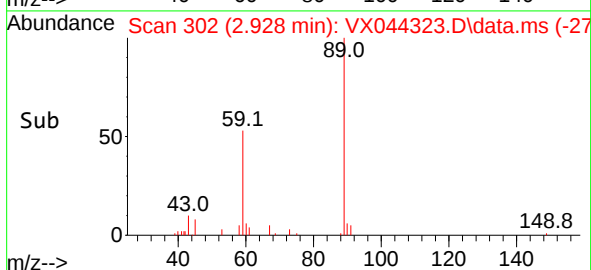
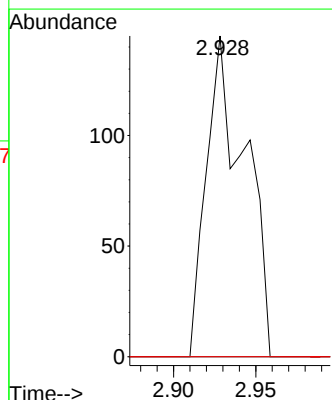
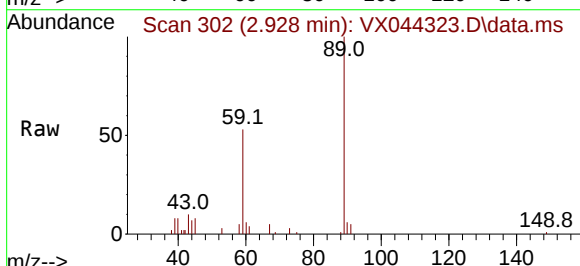
Tgt Ion: 53 Resp: 236

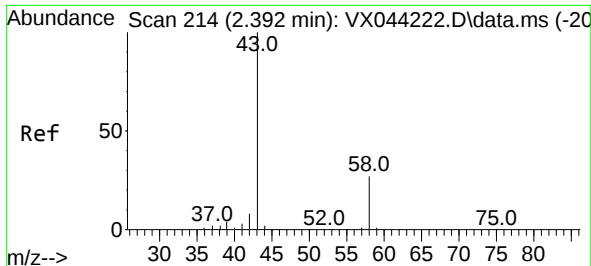
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 0.0 30.3 45.5#





#16

Acetone

Concen: 1.143 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

Instrument :

MSVOA_X

ClientSampleId :

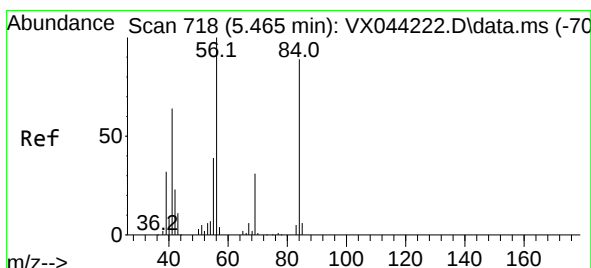
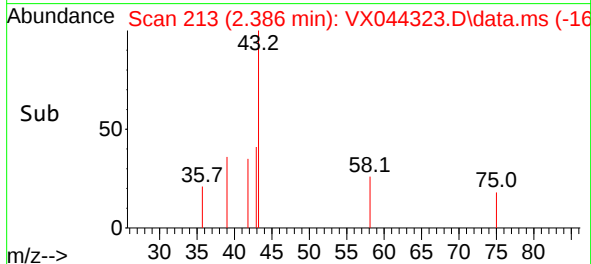
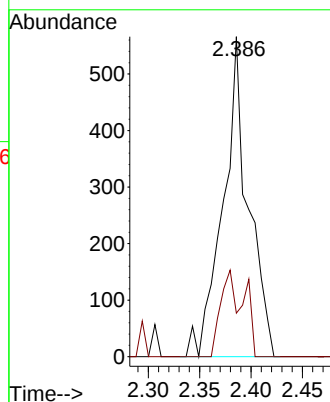
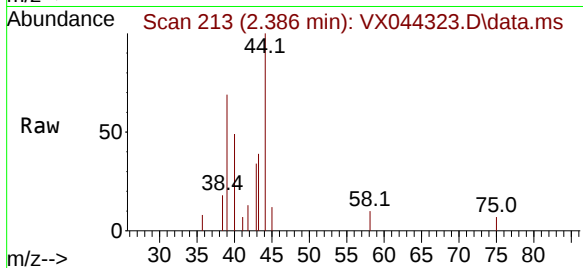
RE122D1-20241209DL

Tgt Ion: 43 Resp: 966

Ion Ratio Lower Upper

43 100

58 13.6 21.6 32.4#



#31

Cyclohexane

Concen: 1.484 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

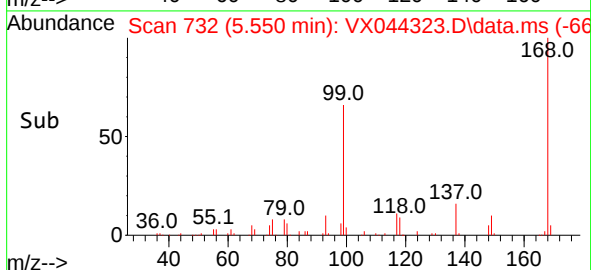
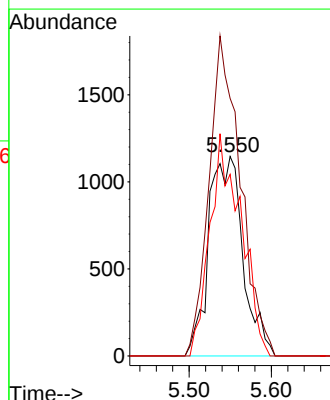
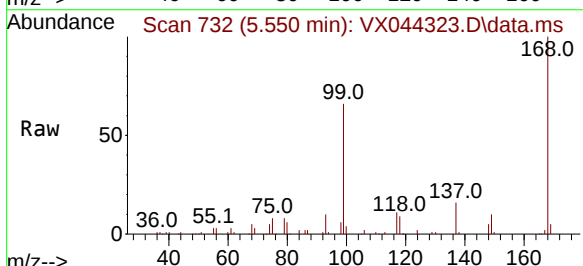
Tgt Ion: 56 Resp: 3320

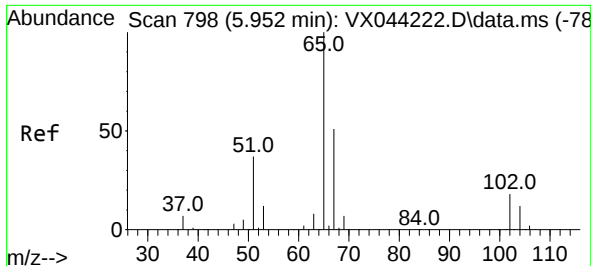
Ion Ratio Lower Upper

56 100

69 129.1 24.7 37.1#

84 91.0 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 48.345 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

Instrument :

MSVOA_X

ClientSampleId :

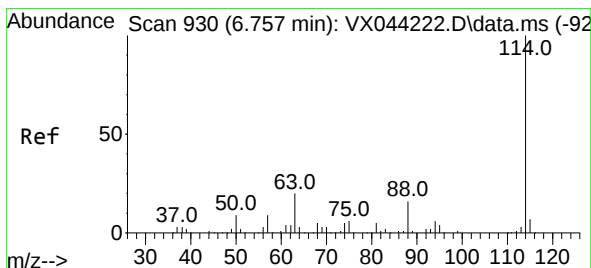
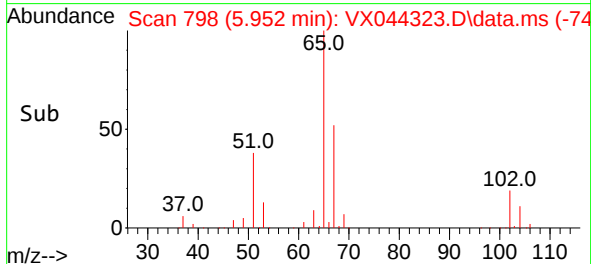
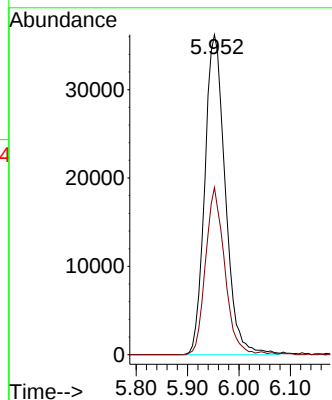
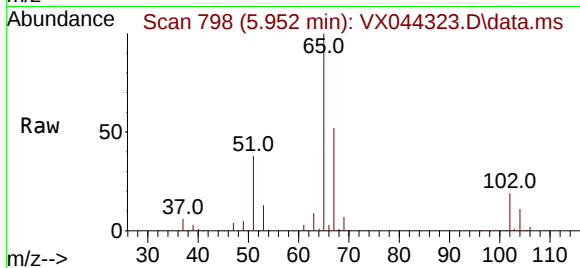
RE122D1-20241209DL

Tgt Ion: 65 Resp: 100189

Ion Ratio Lower Upper

65 100

67 48.5 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: VX044323.D

Acq: 16 Dec 2024 14:57

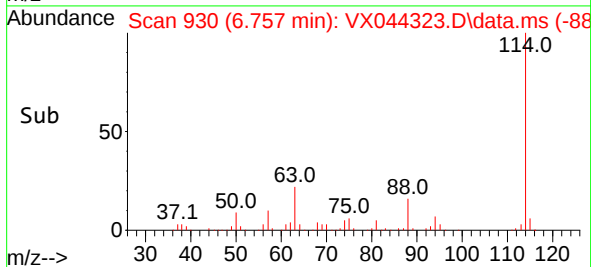
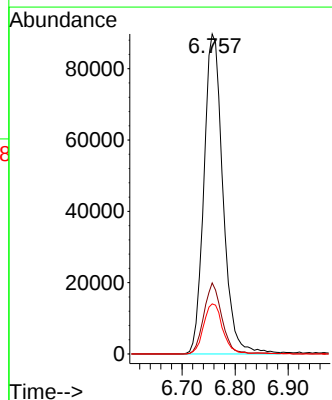
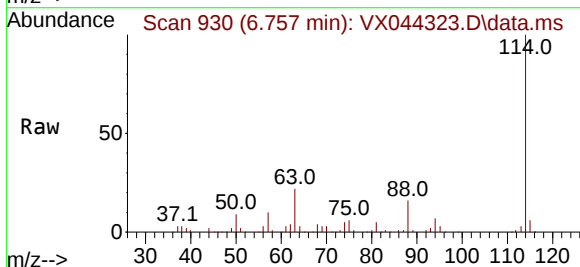
Tgt Ion: 114 Resp: 223567

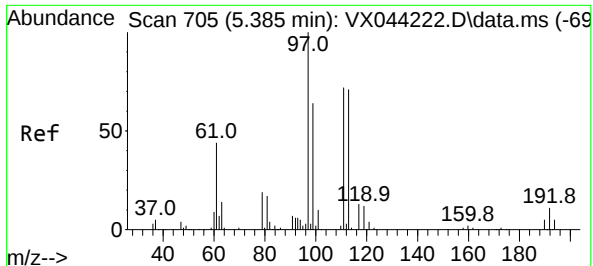
Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.6

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.131 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044323.D

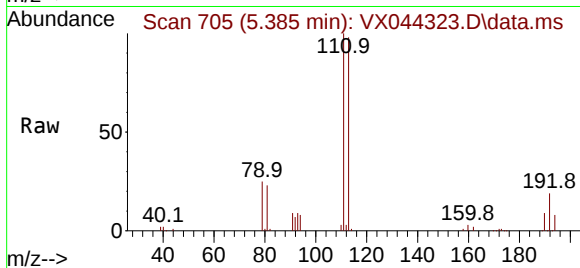
Acq: 16 Dec 2024 14:57

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20241209DL



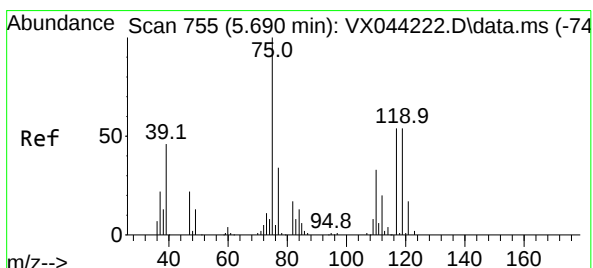
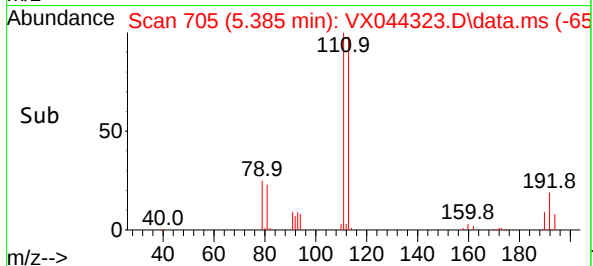
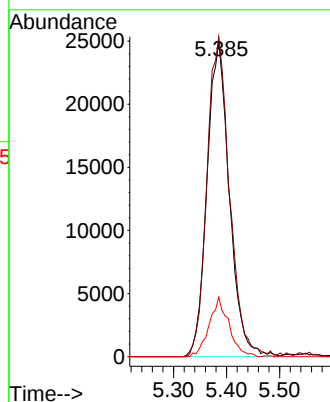
Tgt Ion:113 Resp: 72978

Ion Ratio Lower Upper

113 100

111 102.9 80.4 120.6

192 16.7 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.489 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

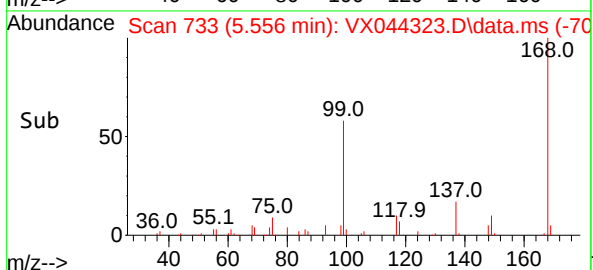
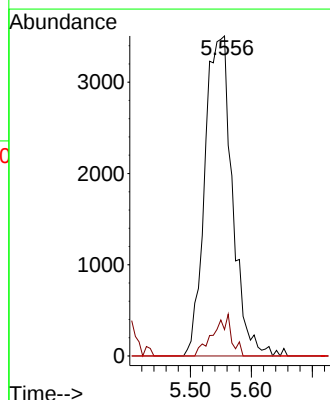
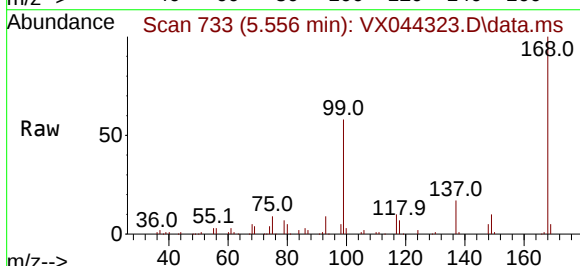
Tgt Ion: 75 Resp: 10986

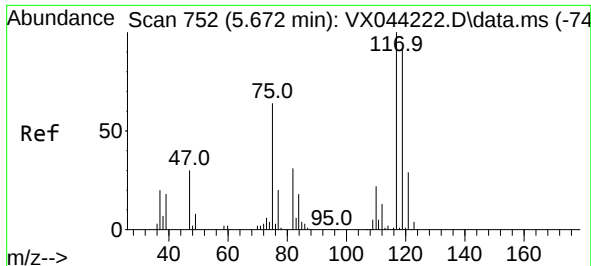
Ion Ratio Lower Upper

75 100

110 8.6 17.3 51.7#

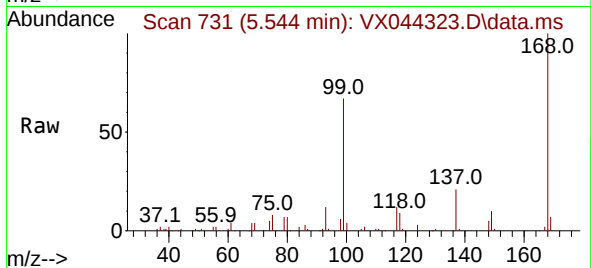
77 0.0 25.4 38.0#



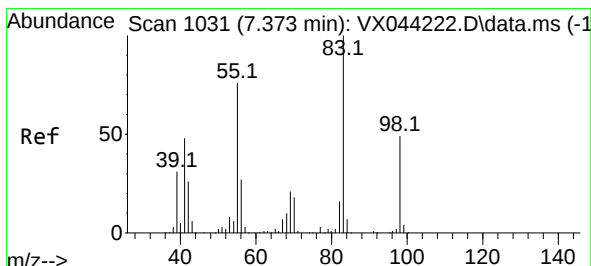
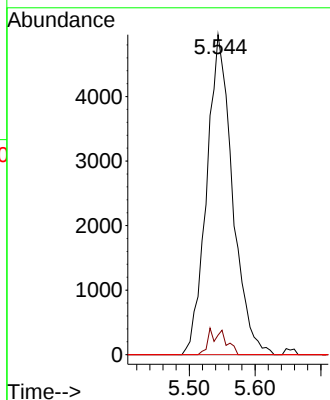
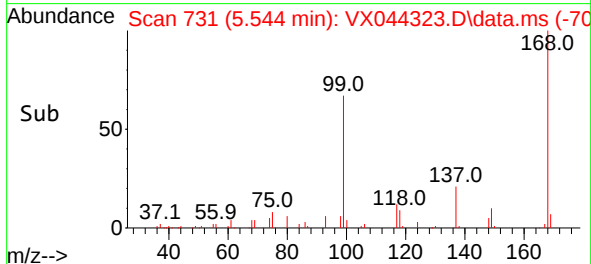


#38
Carbon Tetrachloride
Concen: 6.308 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20241209DL

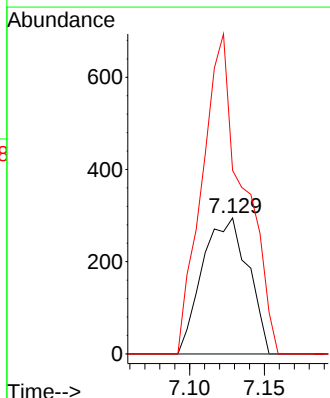
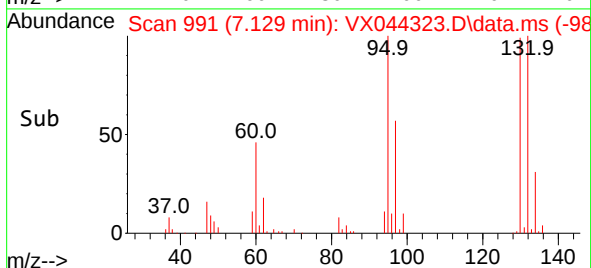
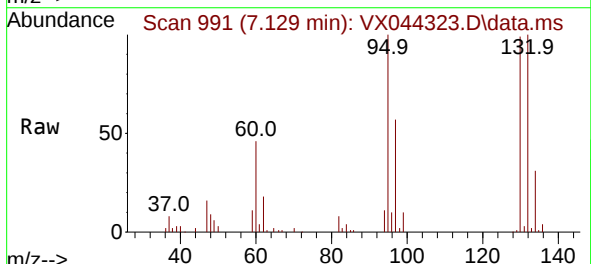


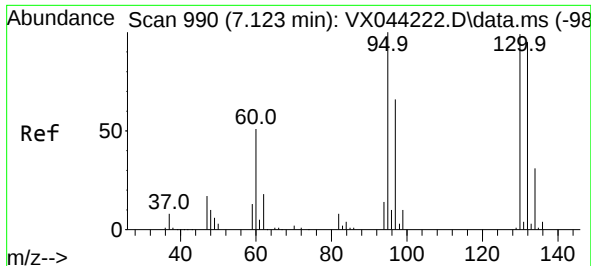
Tgt Ion:117 Resp: 13592
Ion Ratio Lower Upper
117 100
119 6.1 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.262 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.244 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

Tgt Ion: 83 Resp: 627
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 134.9 38.9 58.3#

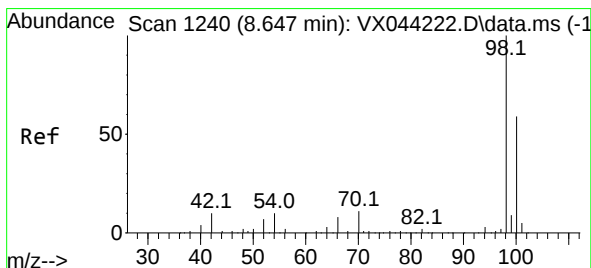
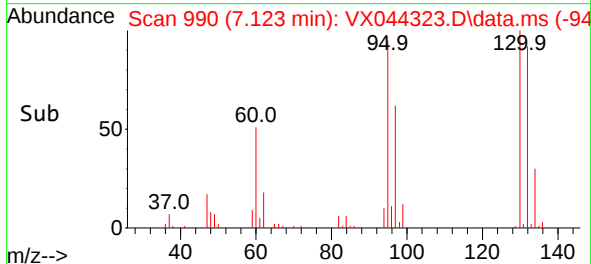
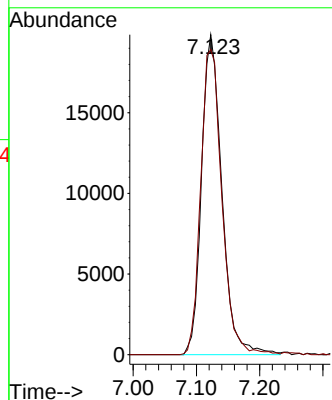
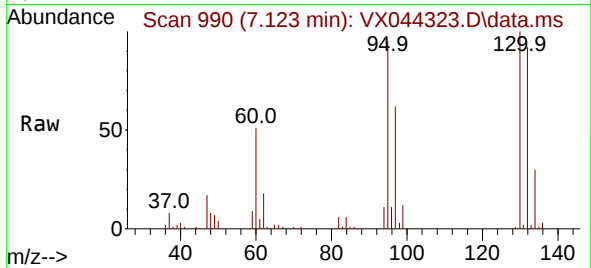




#44
Trichloroethene
Concen: 29.354 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

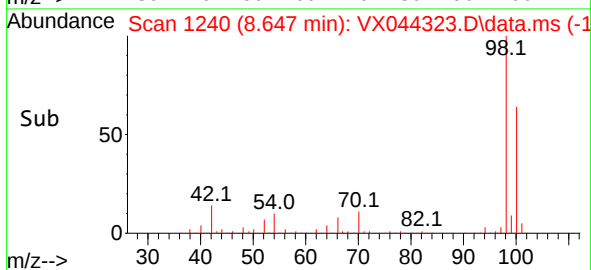
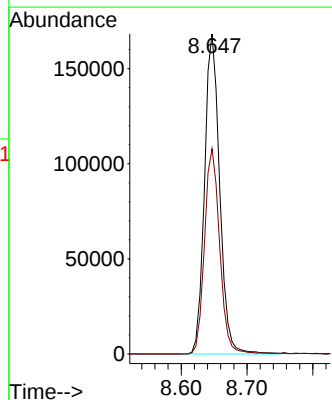
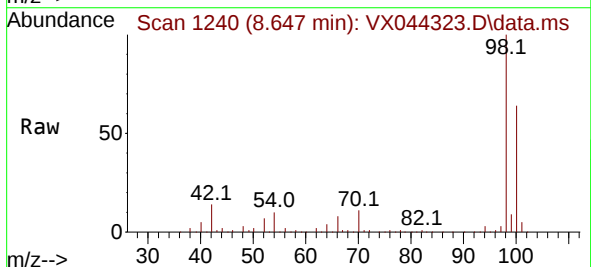
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20241209DL

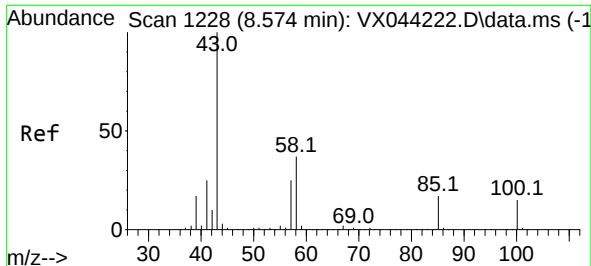
Tgt Ion:130 Resp: 44484
Ion Ratio Lower Upper
130 100
95 95.4 0.0 201.4



#50
Toluene-d8
Concen: 51.535 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

Tgt Ion: 98 Resp: 269214
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

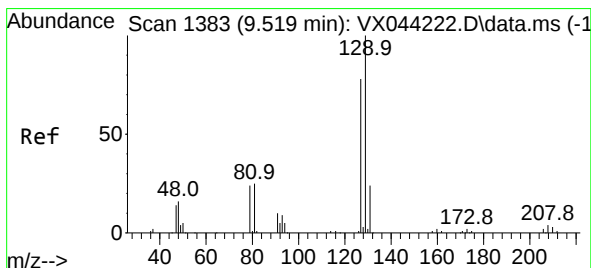
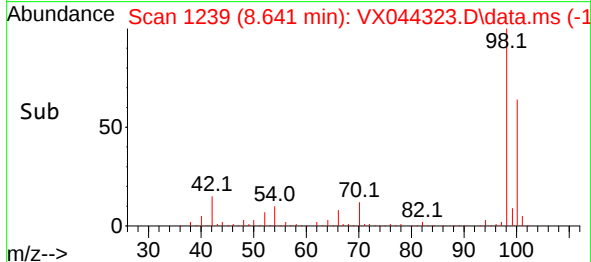
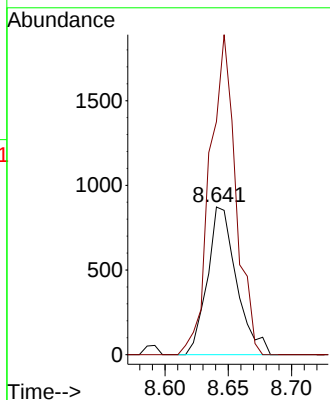
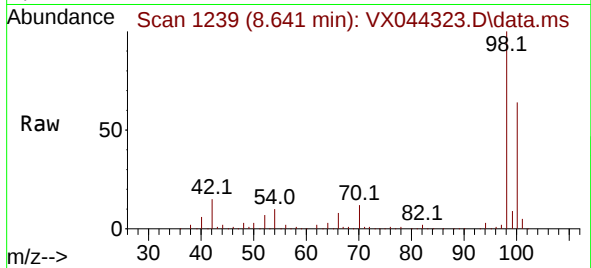




#51
4-Methyl-2-Pentanone
Concen: 0.562 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

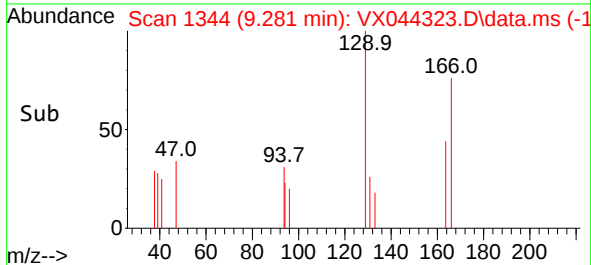
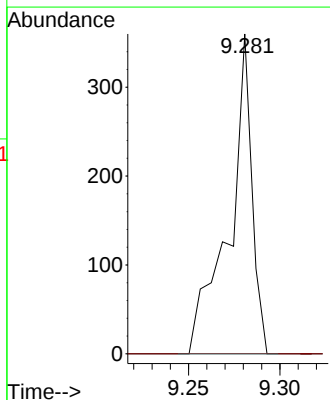
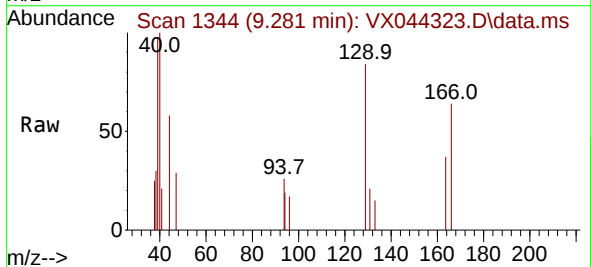
Instrument :
MSVOA_X
ClientSampleId :
RE122D1-20241209DL

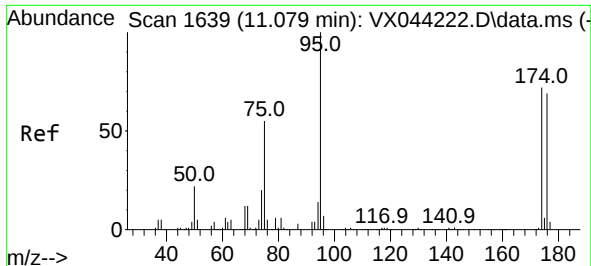
Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
58 192.4 29.4 44.0#



#60
Dibromochloromethane
Concen: 1.430 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX044323.D
Acq: 16 Dec 2024 14:57

Tgt Ion: 129 Resp: 313
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 46.948 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044323.D

Acq: 16 Dec 2024 14:57

Instrument :

MSVOA_X

ClientSampleId :

RE122D1-20241209DL

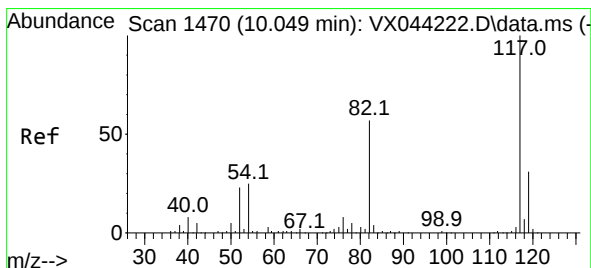
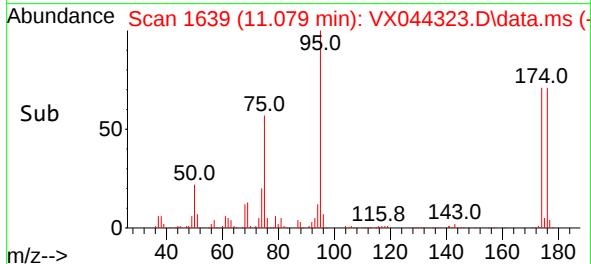
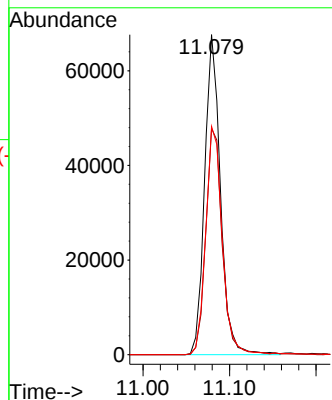
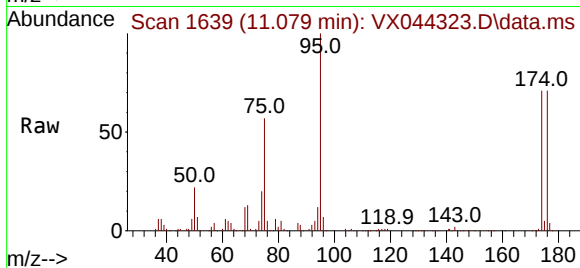
Tgt Ion: 95 Resp: 85697

Ion Ratio Lower Upper

95 100

174 74.1 0.0 145.8

176 74.4 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: VX044323.D

Acq: 16 Dec 2024 14:57

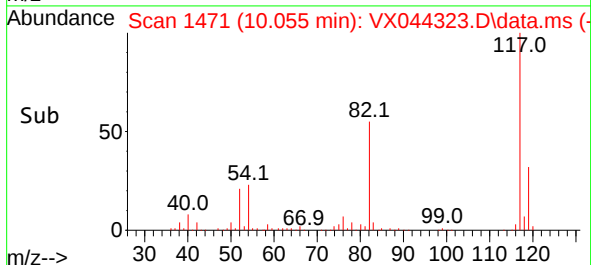
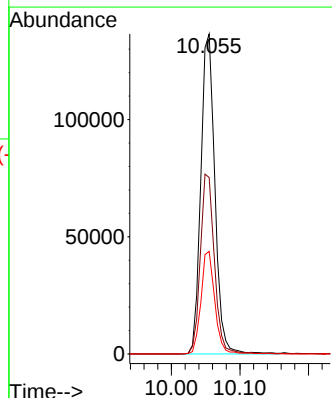
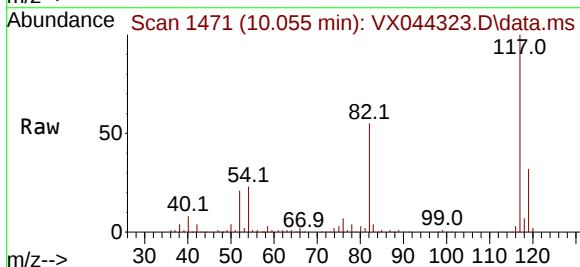
Tgt Ion: 117 Resp: 195700

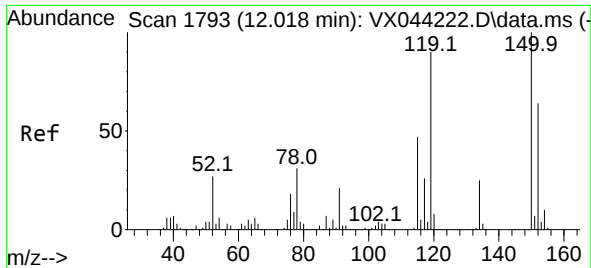
Ion Ratio Lower Upper

117 100

82 55.2 45.8 68.8

119 32.1 25.0 37.4

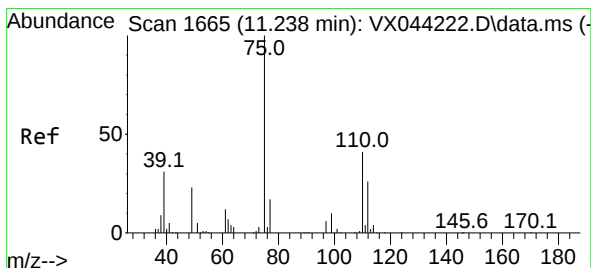
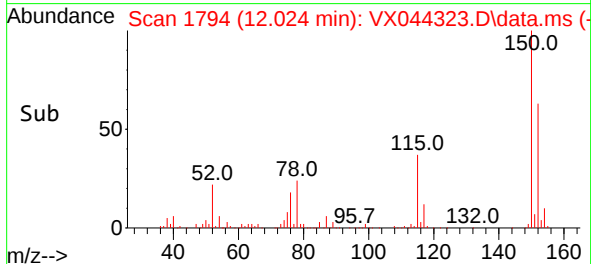
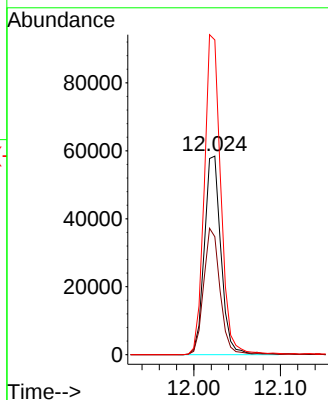
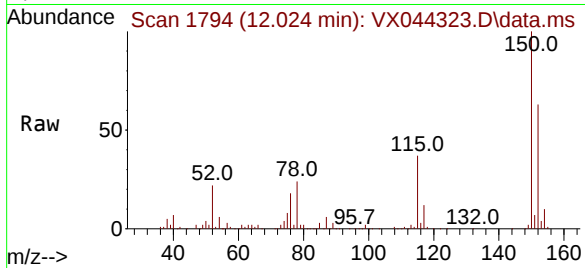




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044323.D
 Acq: 16 Dec 2024 14:57

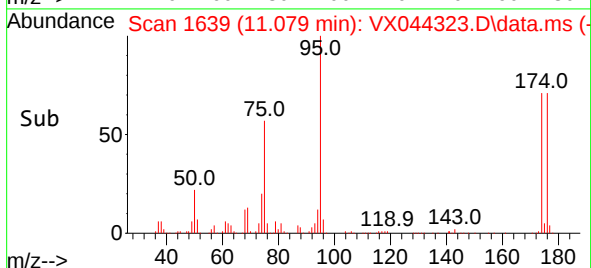
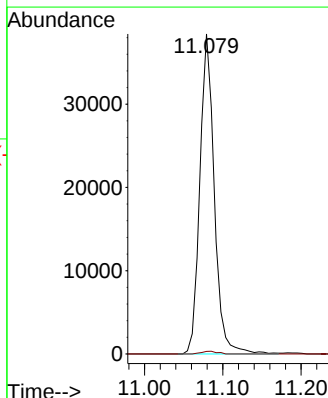
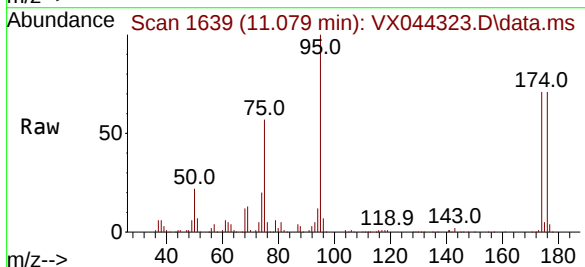
Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20241209DL

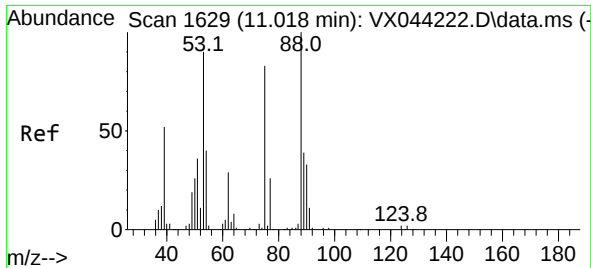
Tgt Ion:152 Resp: 78131
 Ion Ratio Lower Upper
 152 100
 115 62.9 44.5 133.3
 150 159.7 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 28.240 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX044323.D
 Acq: 16 Dec 2024 14:57

Tgt Ion: 75 Resp: 49264
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.472 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044323.D
 Acq: 16 Dec 2024 14:57

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D1-20241209DL

Tgt Ion: 75 Resp: 49264
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.1 37.3 55.9#

