

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122024\
 Data File : VX044444.D
 Acq On : 20 Dec 2024 12:03
 Operator : JC/MD
 Sample : P5281-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE114D1-20241212DL

Quant Time: Dec 20 22:24:33 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)

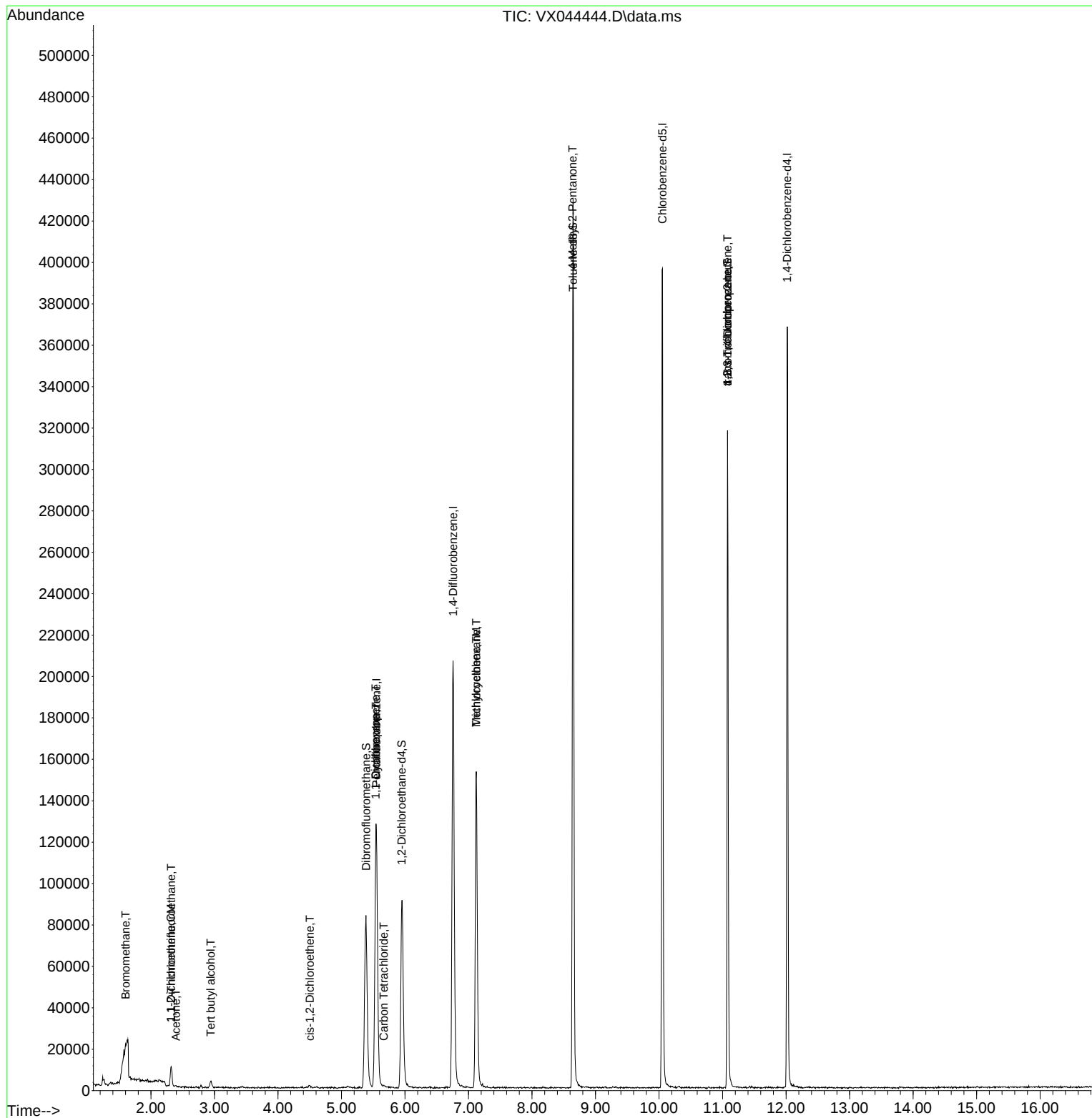
Internal Standards						
1) Pentafluorobenzene	5.550	168	118538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211612	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	89218	42.927	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.860%
35) Dibromofluoromethane	5.385	113	70747	48.272	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.540%
50) Toluene-d8	8.647	98	250889	50.741	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.480%
62) 4-Bromofluorobenzene	11.079	95	79951	46.275	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.540%
Target Compounds						Qvalue
5) Bromomethane	1.599	94	338	0.261	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.319	101	3329	2.301	ug/l	98
11) Tert butyl alcohol	2.940	59	1585	5.411	ug/l #	71
12) 1,1-Dichloroethene	2.313	96	505	0.380	ug/l #	88
16) Acetone	2.392	43	483	0.570	ug/l #	48
27) cis-1,2-Dichloroethene	4.501	96	609	0.340	ug/l	94
31) Cyclohexane	5.544	56	3333	1.486	ug/l #	52
36) 1,1-Dichloropropene	5.538	75	10153	5.359	ug/l #	51
38) Carbon Tetrachloride	5.666	117	561	0.275	ug/l #	45
39) Methylcyclohexane	7.123	83	876	0.387	ug/l #	1
44) Trichloroethene	7.123	130	58695	40.920	ug/l	91
51) 4-Methyl-2-Pentanone	8.641	43	1384	0.588	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43052	25.725	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	43052	71.068	ug/l #	4

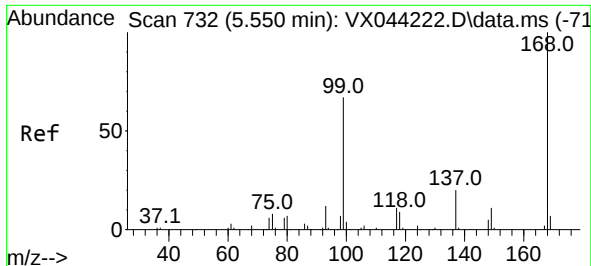
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX044444.D

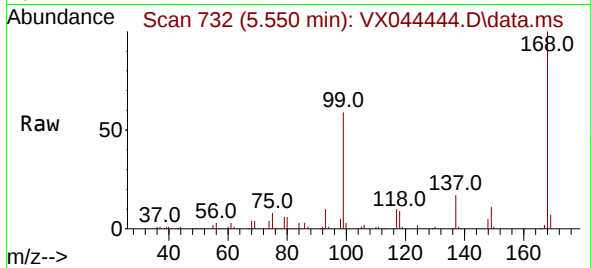
Acq: 20 Dec 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20241212DL

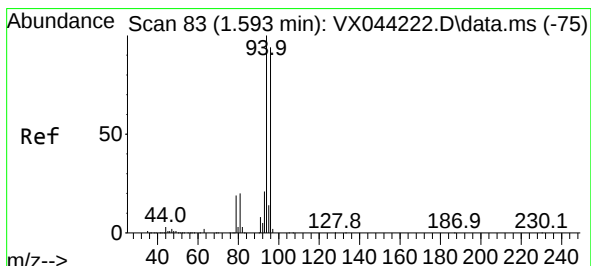
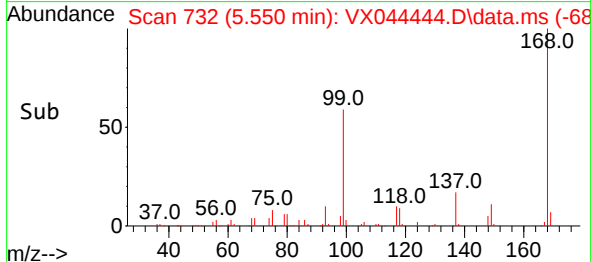
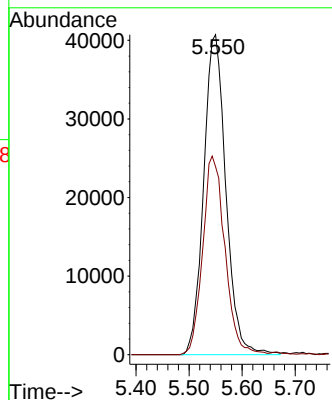


Tgt Ion:168 Resp: 118538

Ion Ratio Lower Upper

168 100

99 58.7 53.4 80.0



#5

Bromomethane

Concen: 0.261 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX044444.D

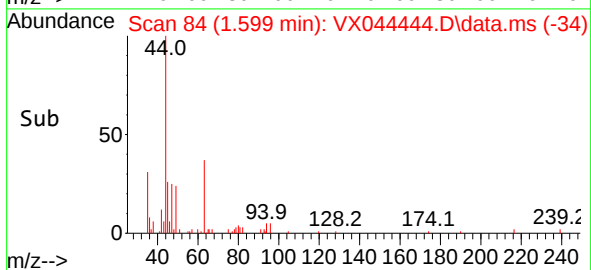
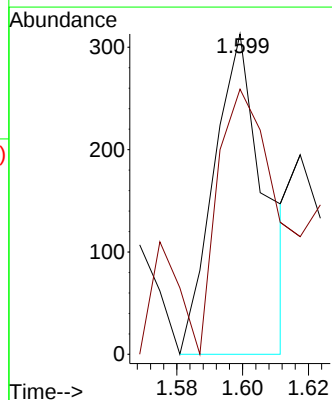
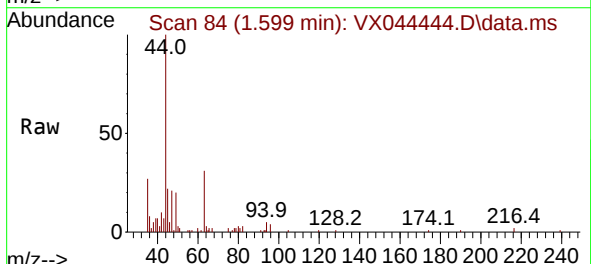
Acq: 20 Dec 2024 12:03

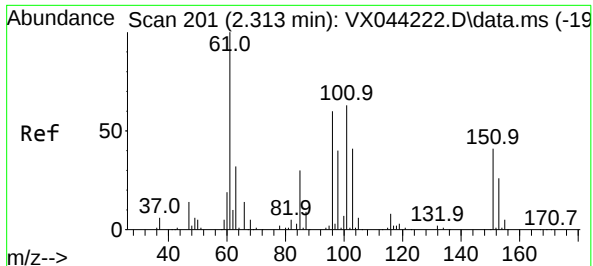
Tgt Ion: 94 Resp: 338

Ion Ratio Lower Upper

94 100

96 62.0 74.9 112.3#

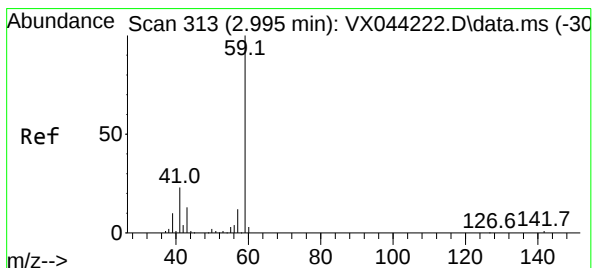
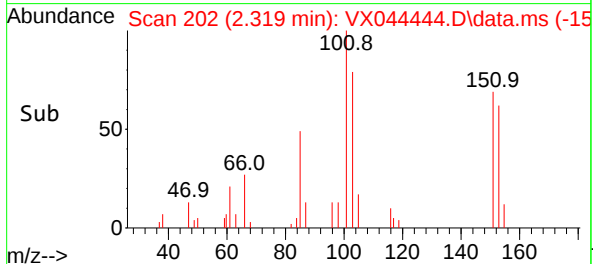
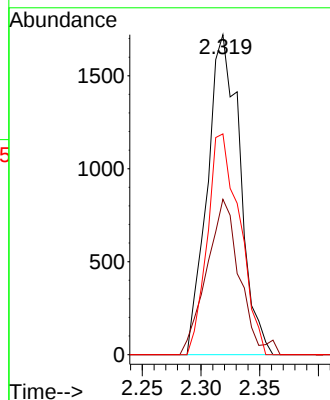
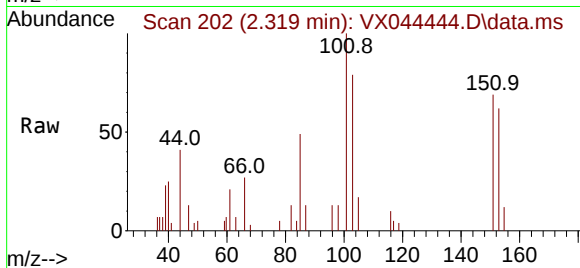




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.301 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

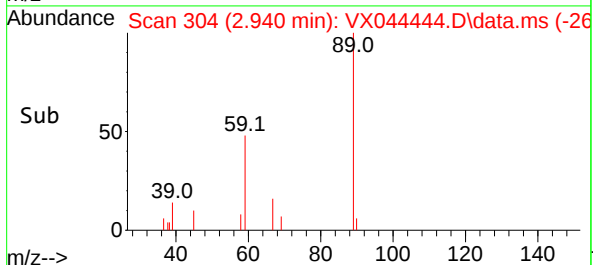
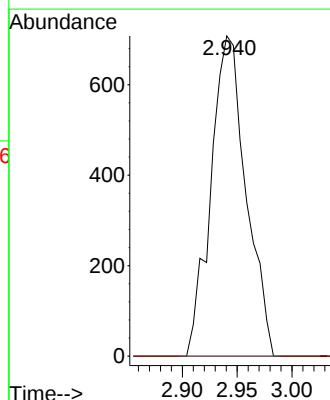
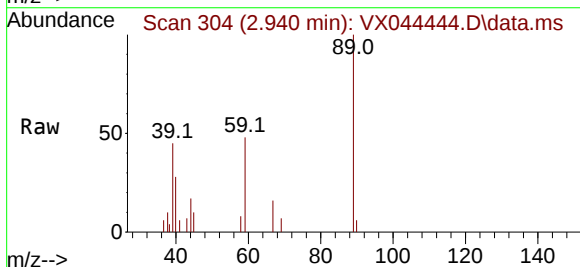
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20241212DL

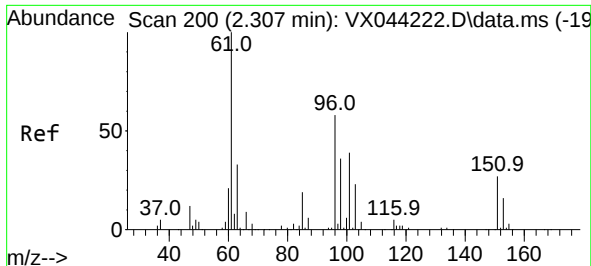
Tgt Ion:101 Resp: 3329
Ion Ratio Lower Upper
101 100
85 49.1 38.5 57.7
151 68.3 55.8 83.6



#11
Tert butyl alcohol
Concen: 5.411 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

Tgt Ion: 59 Resp: 1585
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

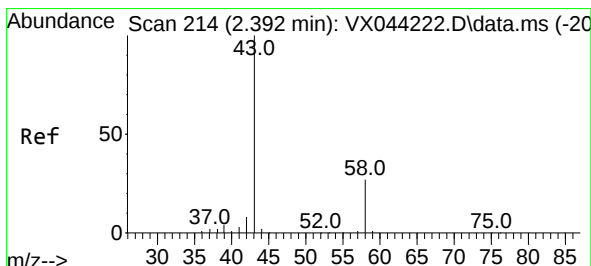
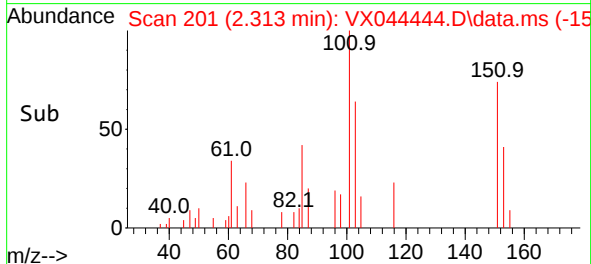
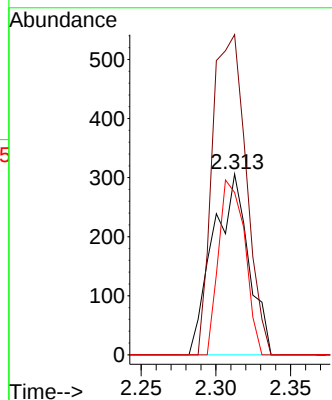
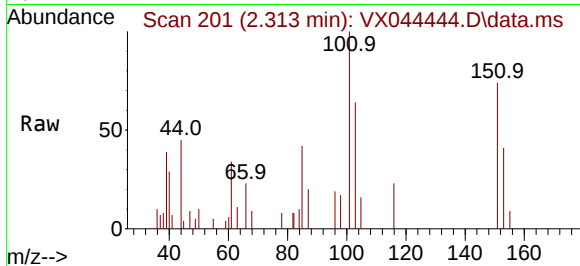




#12
1,1-Dichloroethene
Concen: 0.380 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

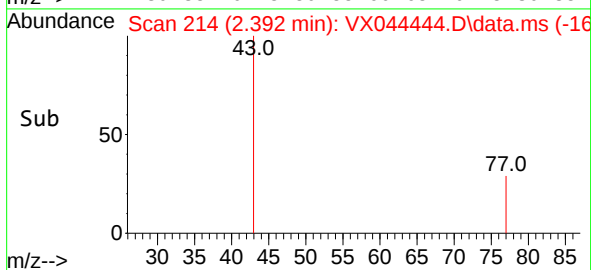
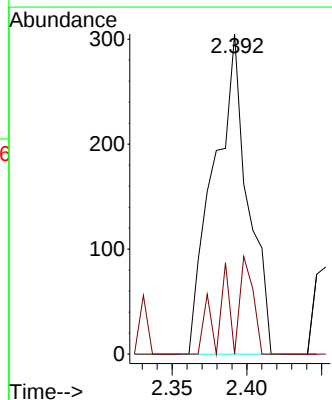
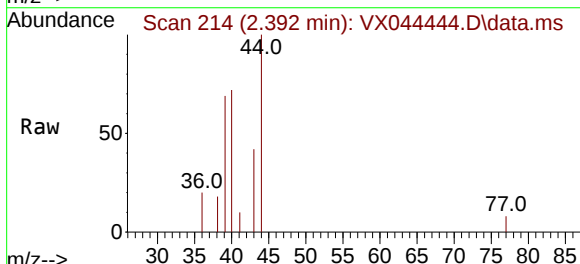
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20241212DL

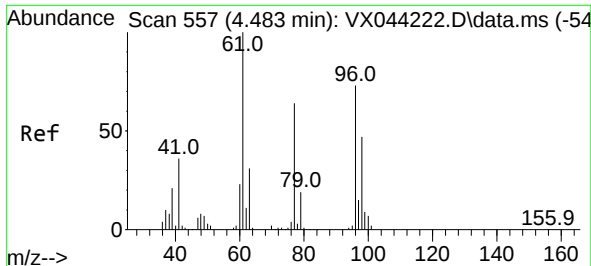
Tgt Ion: 96 Resp: 505
Ion Ratio Lower Upper
96 100
61 177.1 138.0 207.0
98 89.9 50.0 75.0#



#16
Acetone
Concen: 0.570 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

Tgt Ion: 43 Resp: 483
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4#





#27

cis-1,2-Dichloroethene

Concen: 0.340 ug/l

RT: 4.501 min Scan# 509

Delta R.T. 0.018 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

RE114D1-20241212DL

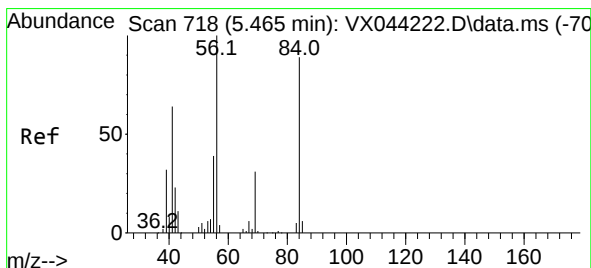
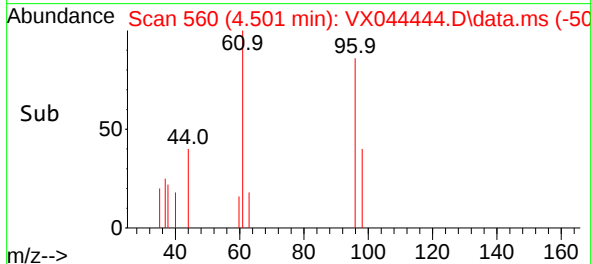
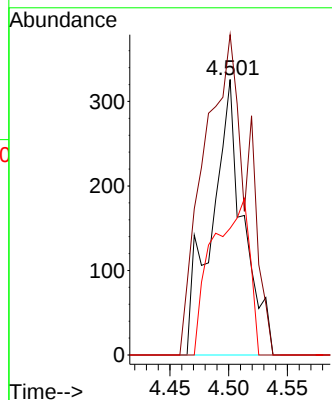
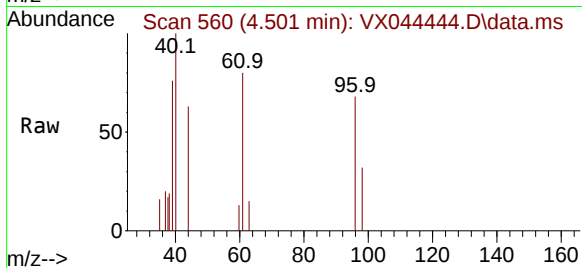
Tgt Ion: 96 Resp: 609

Ion Ratio Lower Upper

96 100

61 159.8 0.0 299.0

98 66.2 0.0 129.0



#31

Cyclohexane

Concen: 1.486 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

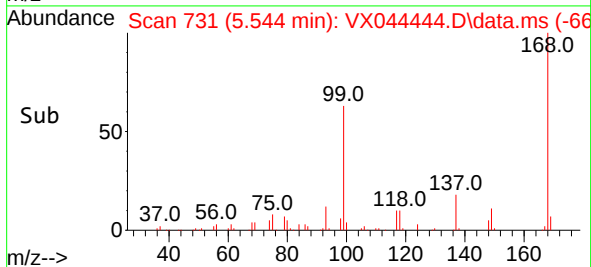
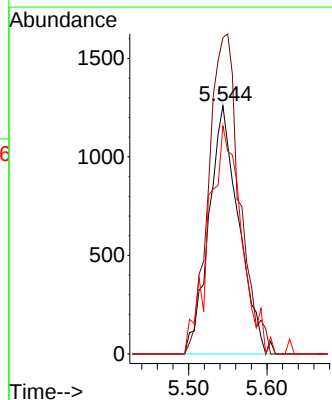
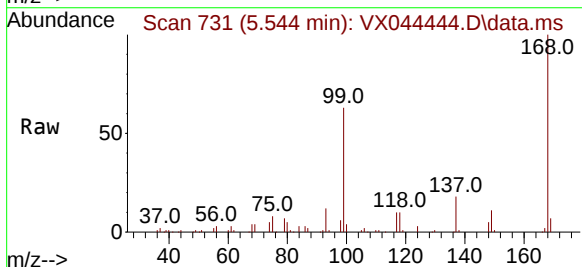
Tgt Ion: 56 Resp: 3333

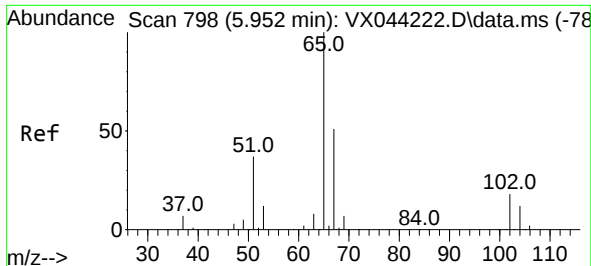
Ion Ratio Lower Upper

56 100

69 127.5 24.7 37.1#

84 91.9 71.0 106.6





#33

1,2-Dichloroethane-d4

Concen: 42.927 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

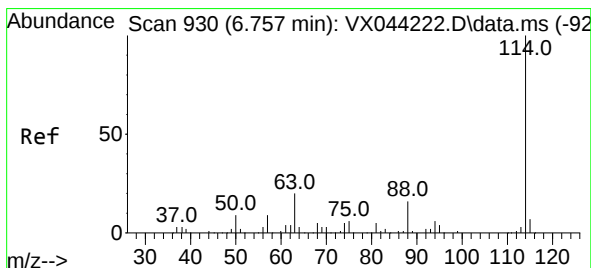
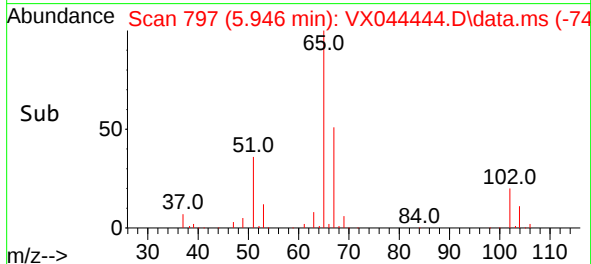
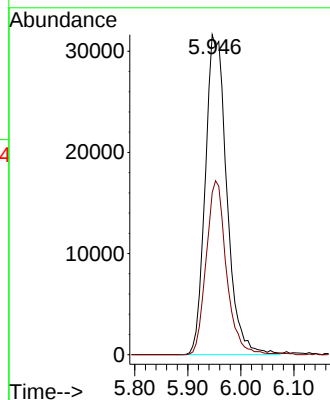
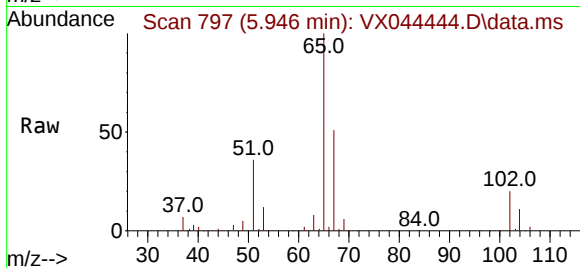
RE114D1-20241212DL

Tgt Ion: 65 Resp: 89218

Ion Ratio Lower Upper

65 100

67 51.0 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: VX044444.D

Acq: 20 Dec 2024 12:03

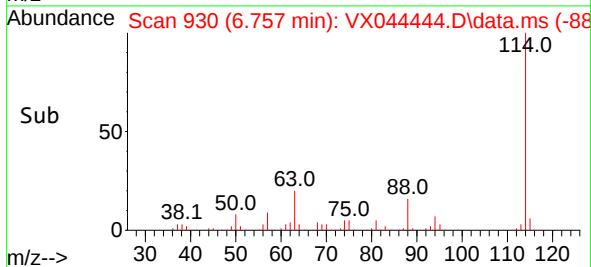
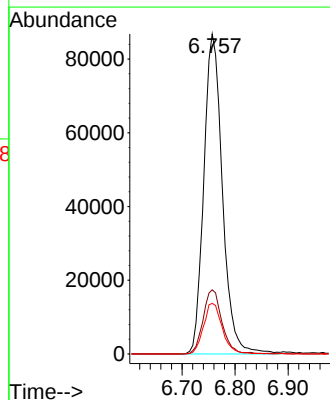
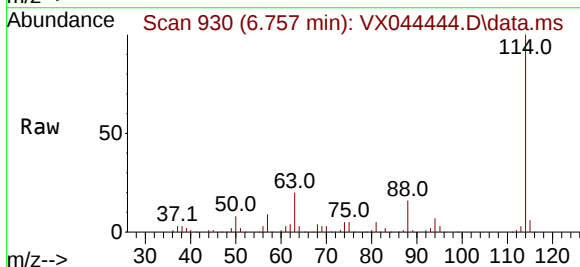
Tgt Ion: 114 Resp: 211612

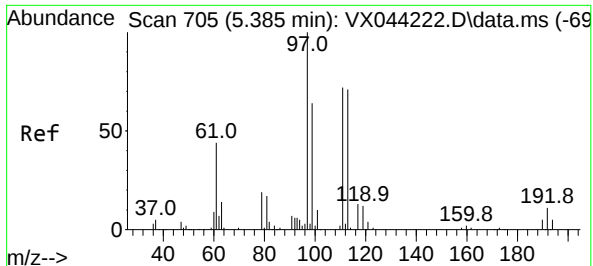
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 15.8 0.0 31.8

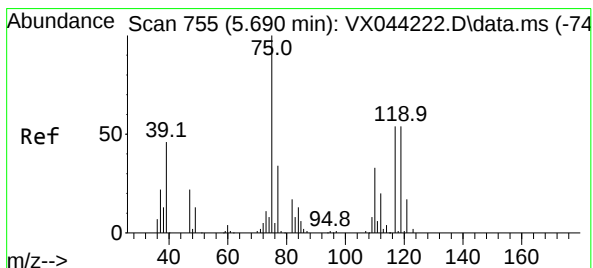
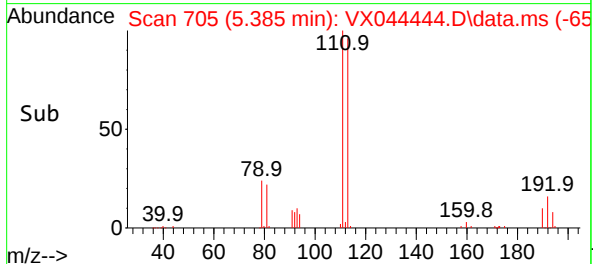
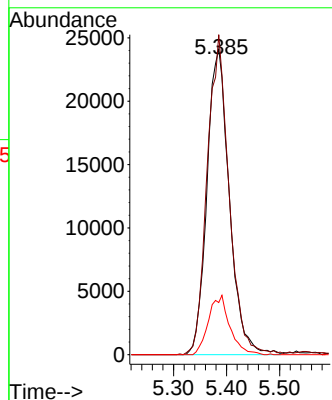
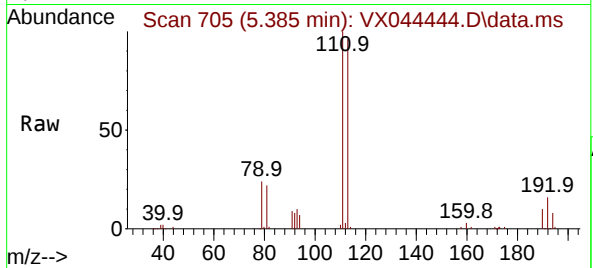




#35
Dibromofluoromethane
Concen: 48.272 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

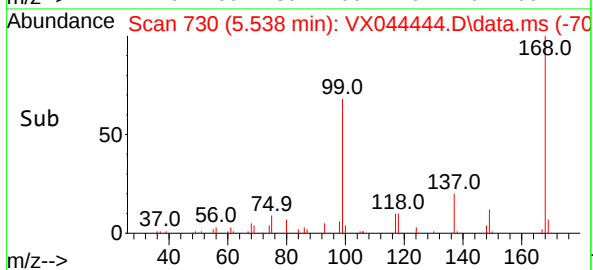
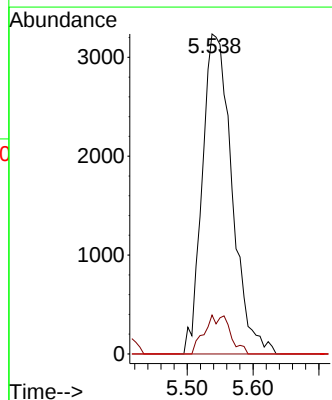
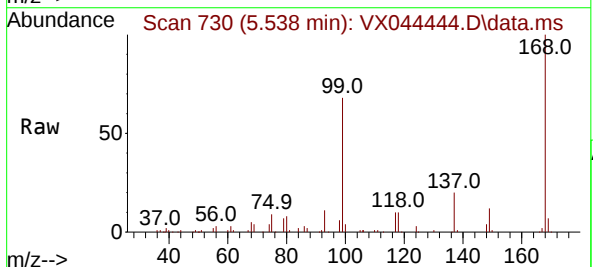
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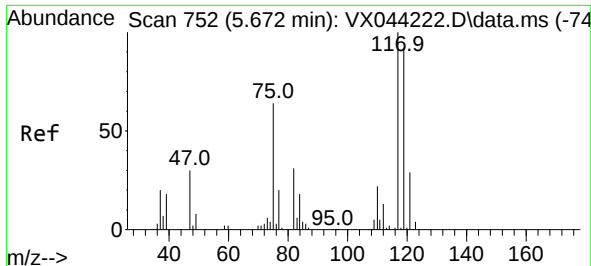
Tgt Ion:113 Resp: 70747
Ion Ratio Lower Upper
113 100
111 101.9 80.4 120.6
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

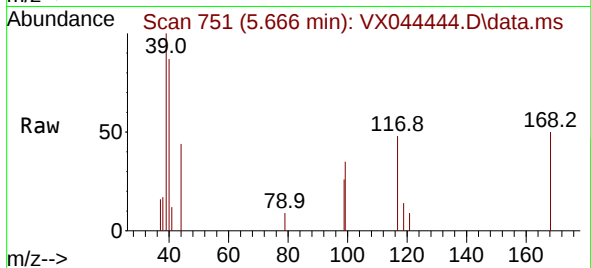
Tgt Ion: 75 Resp: 10153
Ion Ratio Lower Upper
75 100
110 10.5 17.3 51.7#
77 0.0 25.4 38.0#



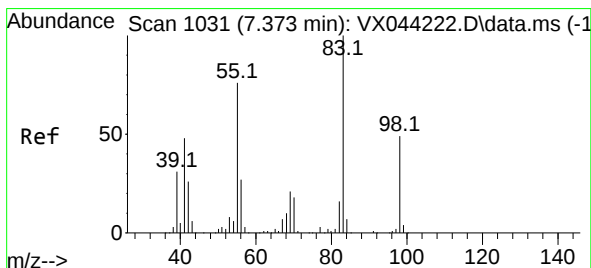
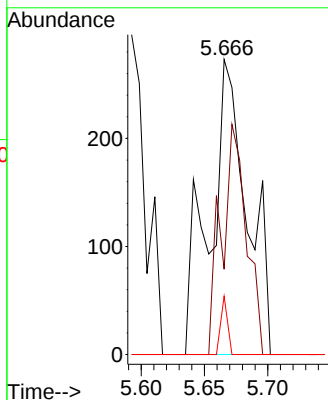
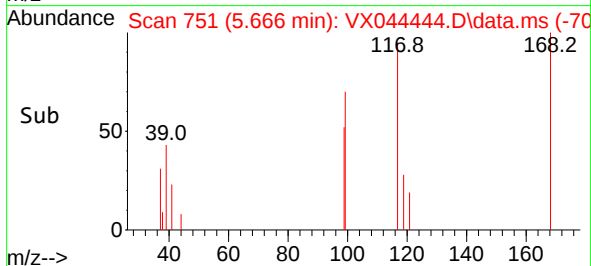


#38
Carbon Tetrachloride
Concen: 0.275 ug/l
RT: 5.666 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20241212DL

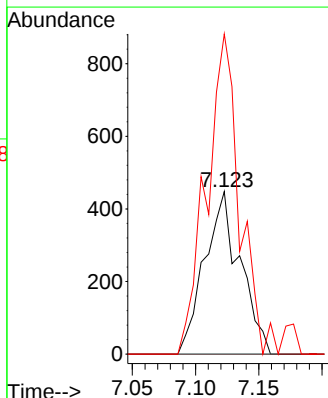
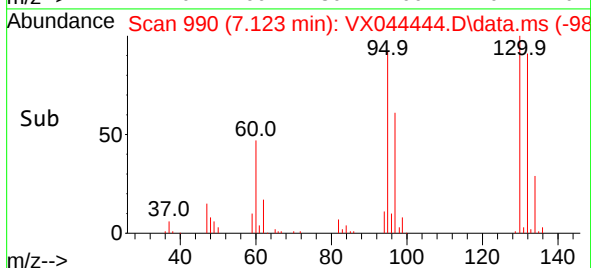
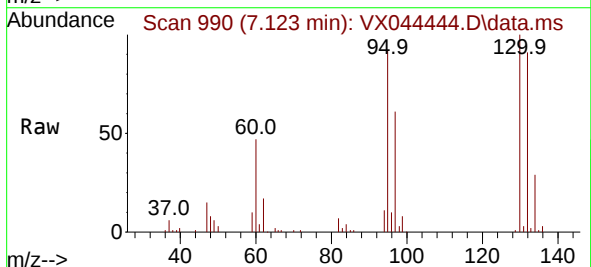


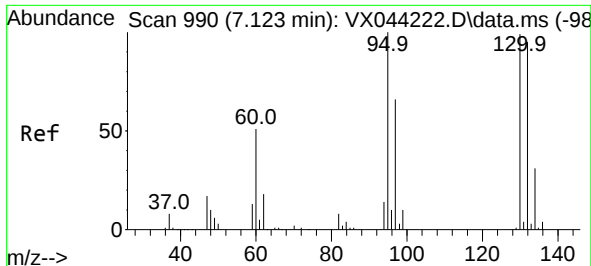
Tgt Ion:117 Resp: 561
Ion Ratio Lower Upper
117 100
119 28.9 74.2 111.4#
121 19.8 23.0 34.6#



#39
Methylcyclohexane
Concen: 0.387 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

Tgt Ion: 83 Resp: 876
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 196.9 38.9 58.3#

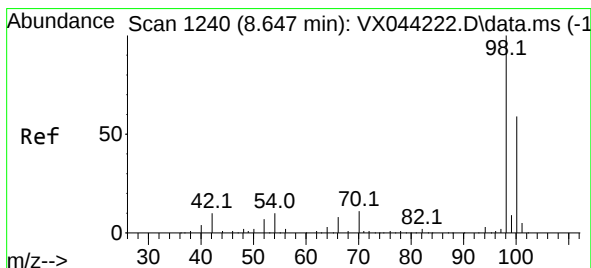
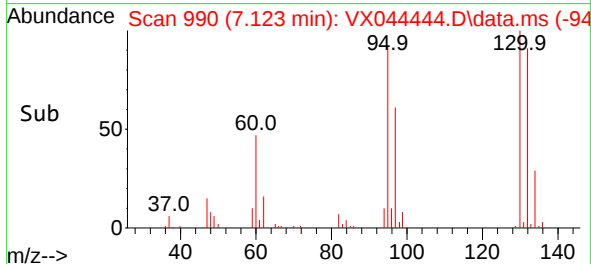
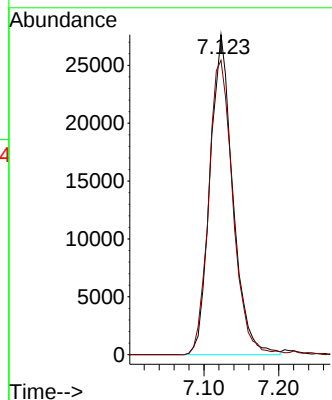
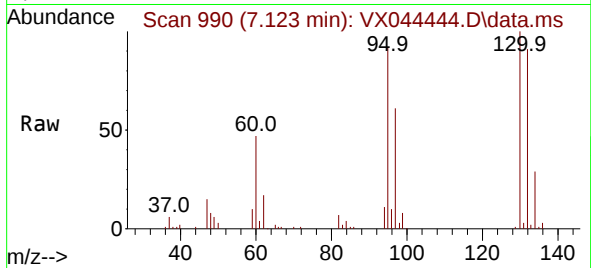




#44
Trichloroethene
Concen: 40.920 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

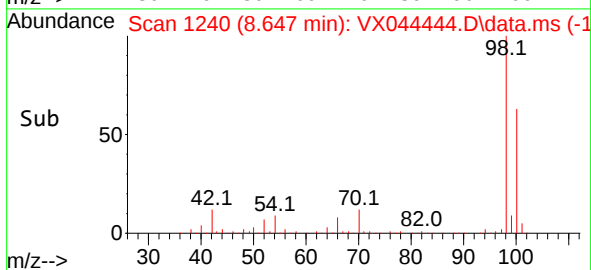
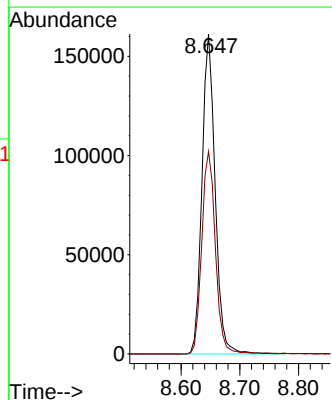
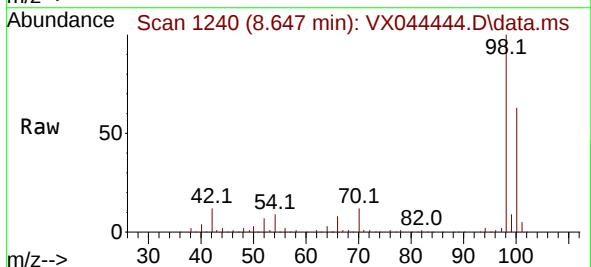
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20241212DL

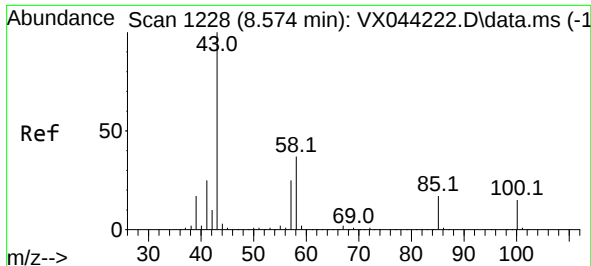
Tgt Ion:130 Resp: 58695
Ion Ratio Lower Upper
130 100
95 91.9 0.0 201.4



#50
Toluene-d8
Concen: 50.741 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

Tgt Ion: 98 Resp: 250889
Ion Ratio Lower Upper
98 100
100 65.8 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.588 ug/l

RT: 8.641 min Scan# 1

Delta R.T. 0.067 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

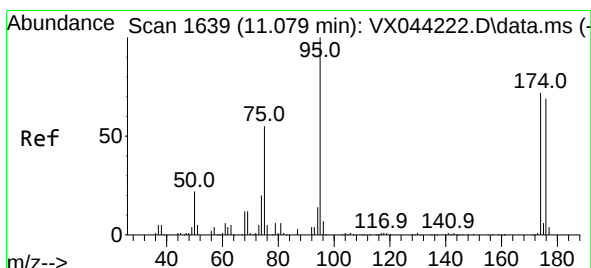
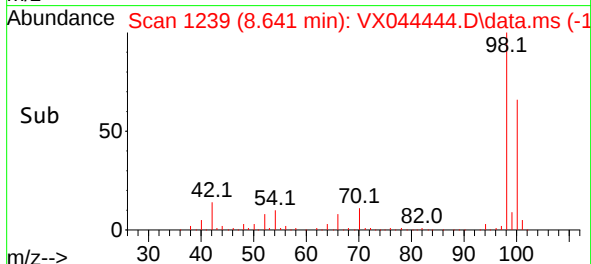
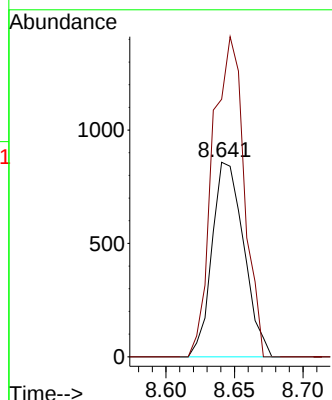
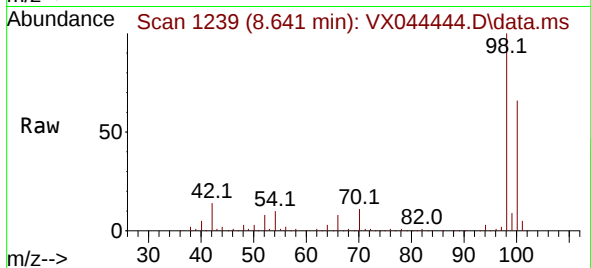
RE114D1-20241212DL

Tgt Ion: 43 Resp: 1384

Ion Ratio Lower Upper

43 100

58 162.8 29.4 44.0#



#62

4-Bromofluorobenzene

Concen: 46.275 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

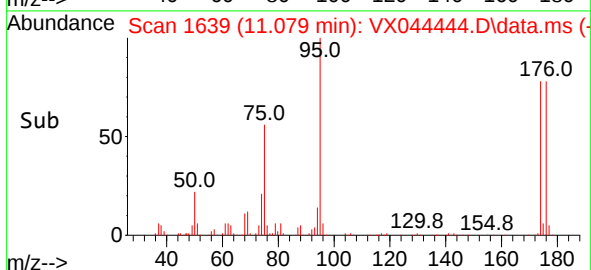
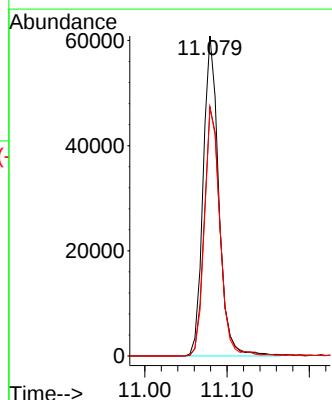
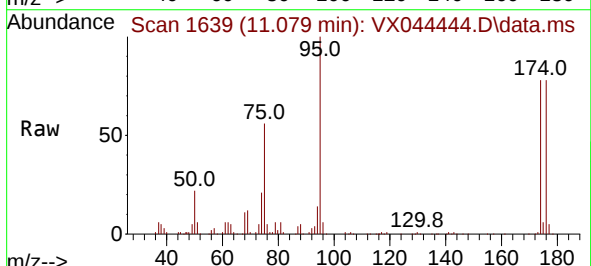
Tgt Ion: 95 Resp: 79951

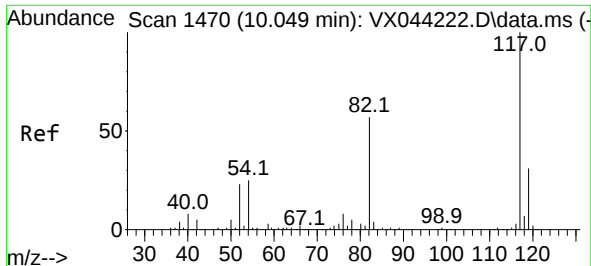
Ion Ratio Lower Upper

95 100

174 79.9 0.0 145.8

176 77.5 0.0 137.8

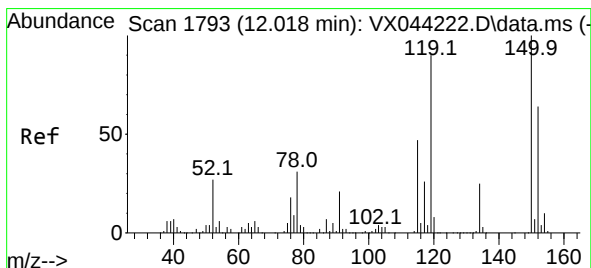
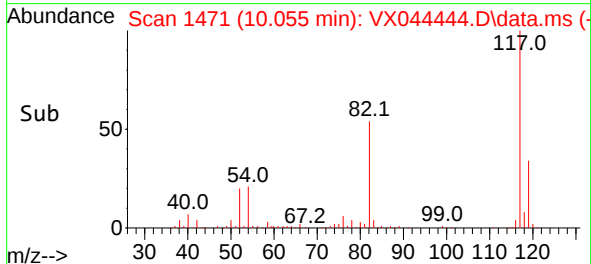
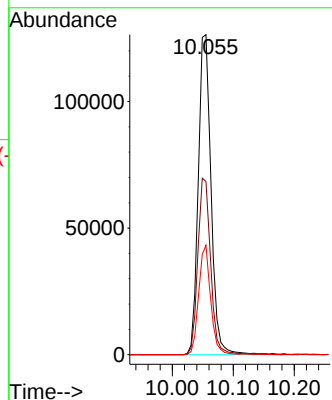
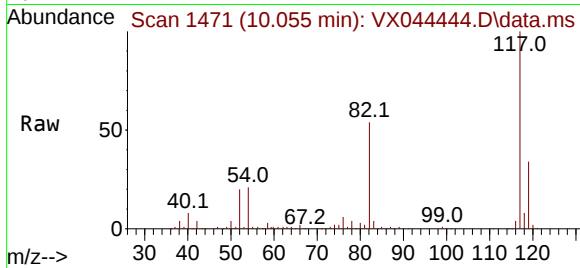




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

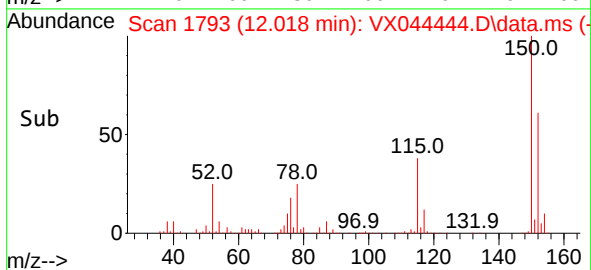
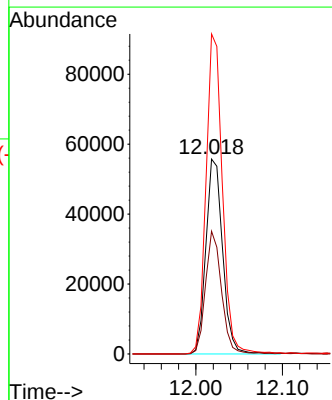
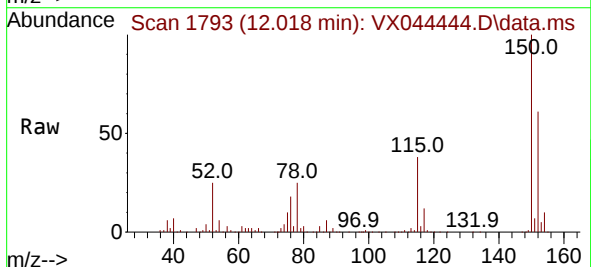
Instrument :
MSVOA_X
ClientSampleId :
RE114D1-20241212DL

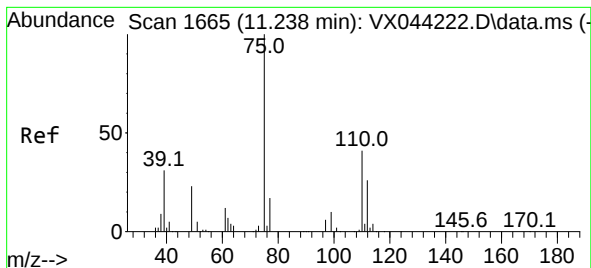
Tgt Ion:117 Resp: 184574
Ion Ratio Lower Upper
117 100
82 54.2 45.8 68.8
119 34.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX044444.D
Acq: 20 Dec 2024 12:03

Tgt Ion:152 Resp: 74955
Ion Ratio Lower Upper
152 100
115 60.1 44.5 133.3
150 160.4 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 25.725 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

Instrument :

MSVOA_X

ClientSampleId :

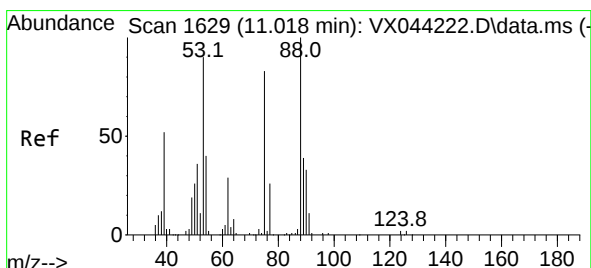
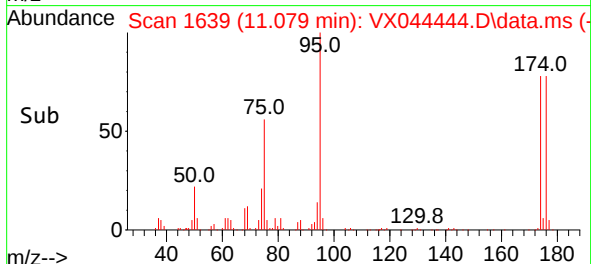
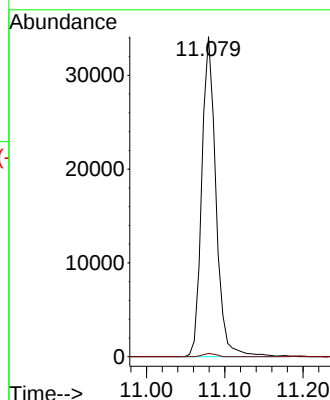
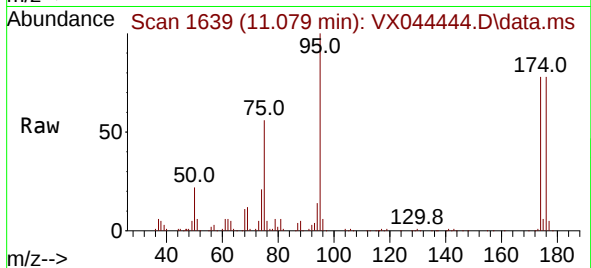
RE114D1-20241212DL

Tgt Ion: 75 Resp: 43052

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.068 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX044444.D

Acq: 20 Dec 2024 12:03

Tgt Ion: 75 Resp: 43052

Ion Ratio Lower Upper

75 100

53 0.0 93.6 140.4#

89 0.1 37.3 55.9#

