

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
 Data File : VX043938.D
 Acq On : 21 Nov 2024 16:27
 Operator : JC/MD
 Sample : P4934-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20241118

Quant Time: Nov 22 04:01:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	113495	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	211780	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	190080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80979	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94565	48.579	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.160%
35) Dibromofluoromethane	5.379	113	69282	45.783	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.560%
50) Toluene-d8	8.647	98	261631	50.155	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.320%
62) 4-Bromofluorobenzene	11.079	95	88169	49.665	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.320%

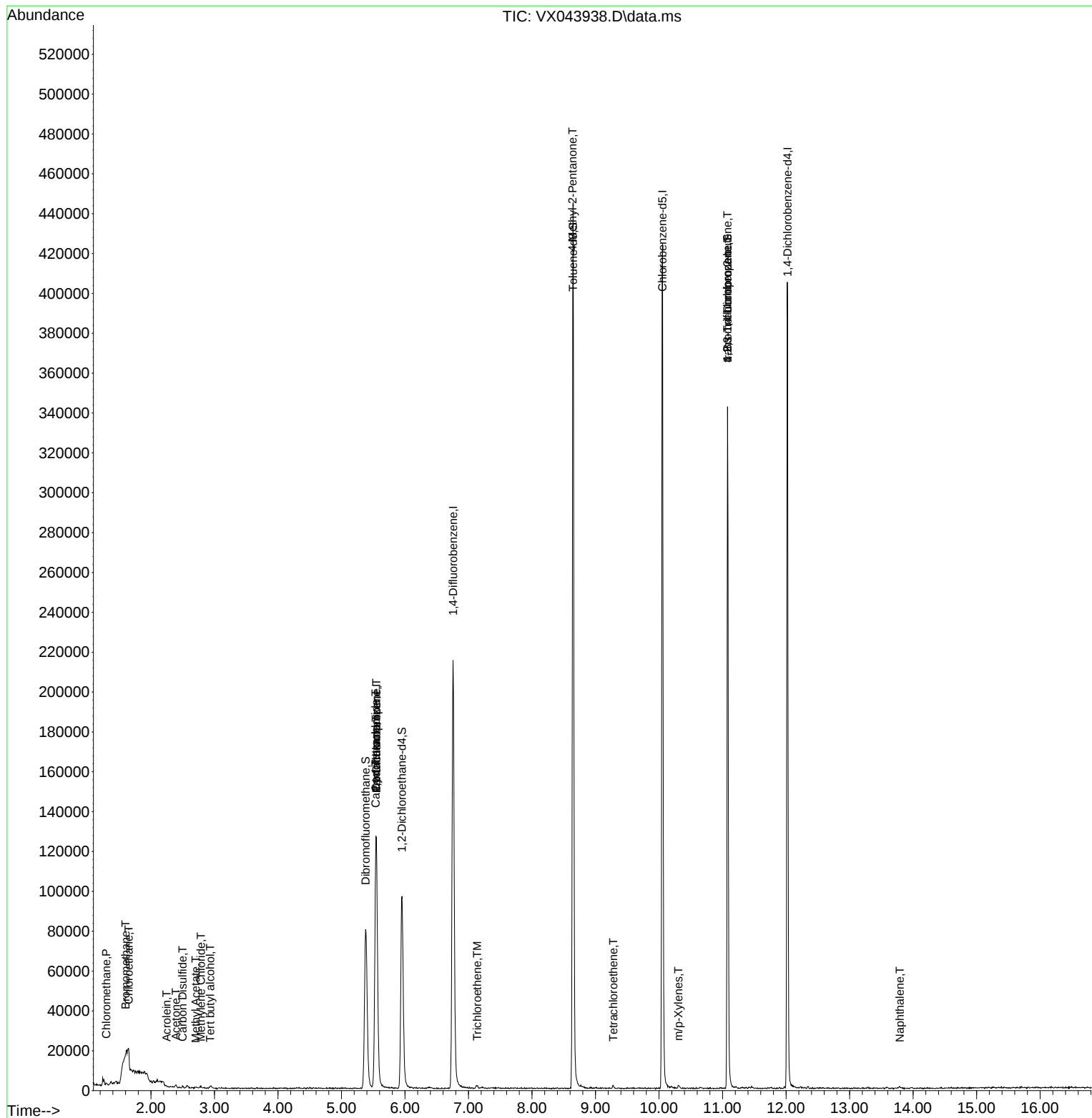
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	656	0.434	ug/l #	80
5) Bromomethane	1.599	94	380	0.384	ug/l	86
6) Chloroethane	1.648	64	201	0.205	ug/l #	42
11) Tert butyl alcohol	2.934	59	576	1.843	ug/l #	73
13) Acrolein	2.245	56	90	0.273	ug/l #	69
16) Acetone	2.392	43	1238	1.385	ug/l #	81
17) Carbon Disulfide	2.495	76	848	0.314	ug/l #	76
18) Methyl Acetate	2.703	43	450	0.216	ug/l #	52
20) Methylene Chloride	2.788	84	447	0.295	ug/l #	86
31) Cyclohexane	5.544	56	3129	1.442	ug/l #	44
36) 1,1-Dichloropropene	5.550	75	11087	5.879	ug/l #	49
38) Carbon Tetrachloride	5.537	117	13361	6.306	ug/l #	16
44) Trichloroethene	7.135	130	489	0.294	ug/l	63
51) 4-Methyl-2-Pentanone	8.641	43	1463	0.644	ug/l #	1
64) Tetrachloroethene	9.281	164	330	0.263	ug/l #	52
68) m/p-Xylenes	10.305	106	565	0.214	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	50113	28.219	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	50113	77.003	ug/l #	7
95) Naphthalene	13.792	128	1228	0.212	ug/l #	84

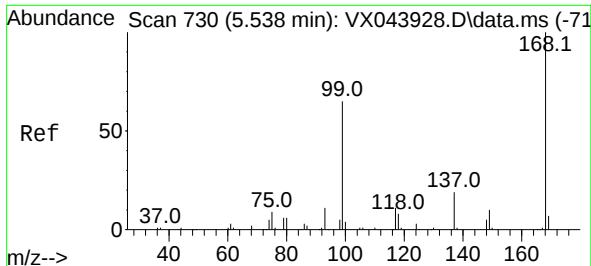
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

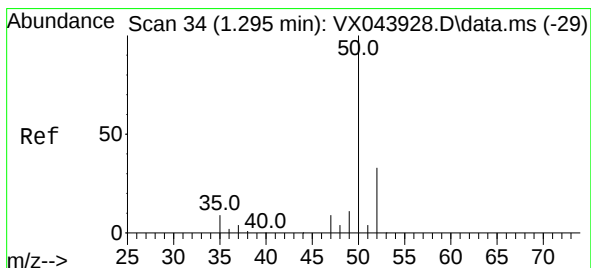
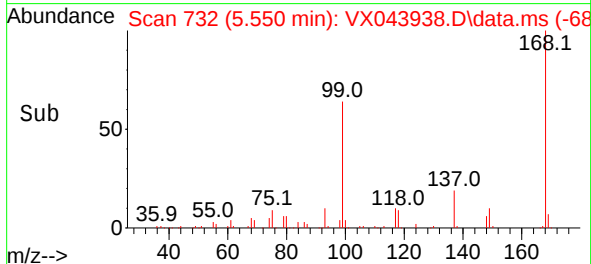
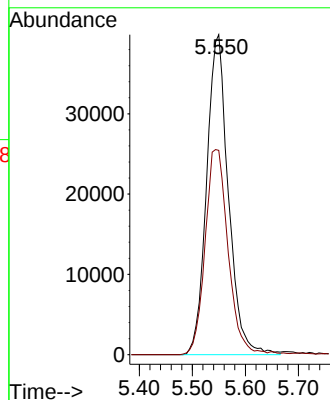
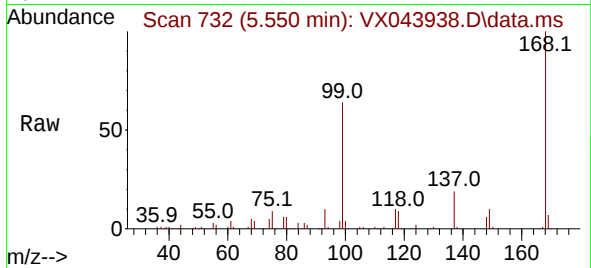




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

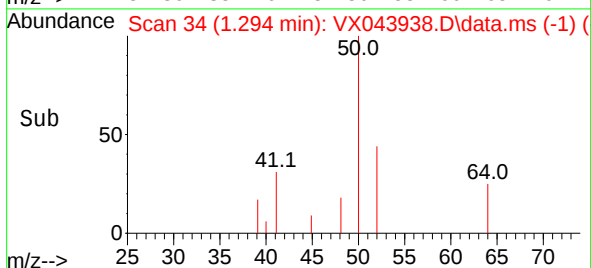
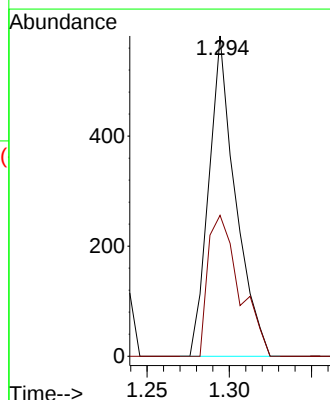
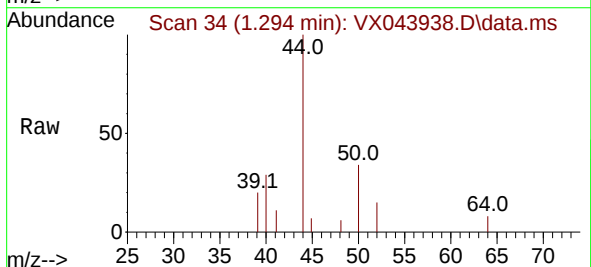
Instrument :
MSVOA_X
ClientSampleId :
TB01-20241118

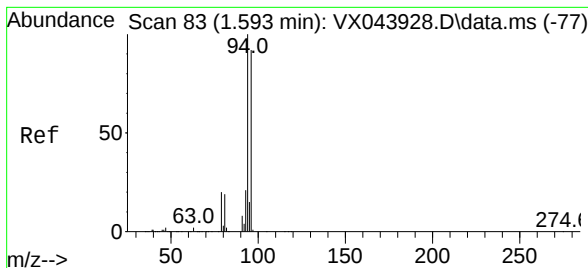
Tgt Ion:168 Resp: 113495
Ion Ratio Lower Upper
168 100
99 63.9 51.8 77.8



#3
Chloromethane
Concen: 0.434 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion: 50 Resp: 656
Ion Ratio Lower Upper
50 100
52 44.0 26.1 39.1#





#5

Bromomethane

Concen: 0.384 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

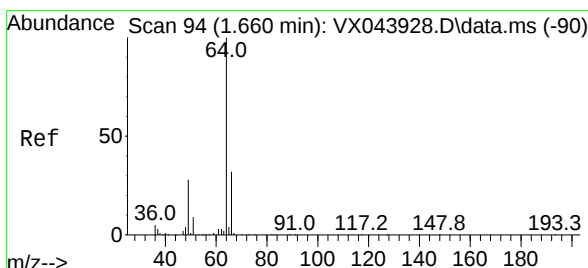
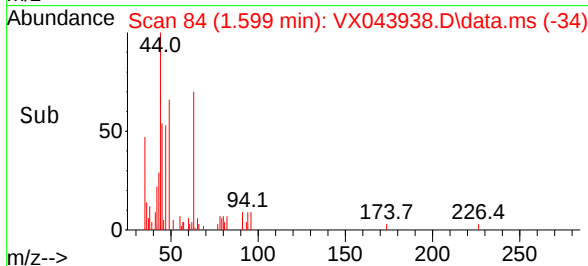
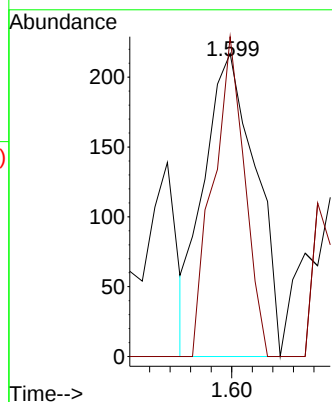
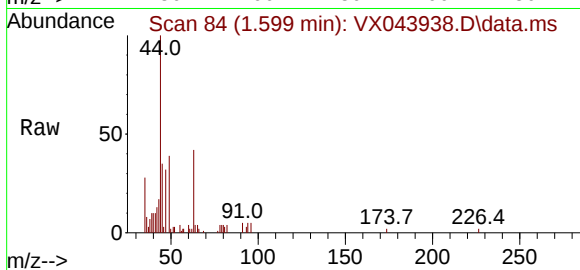
TB01-20241118

Tgt Ion: 94 Resp: 380

Ion Ratio Lower Upper

94 100

96 105.5 73.9 110.9



#6

Chloroethane

Concen: 0.205 ug/l

RT: 1.648 min Scan# 92

Delta R.T. -0.012 min

Lab File: VX043938.D

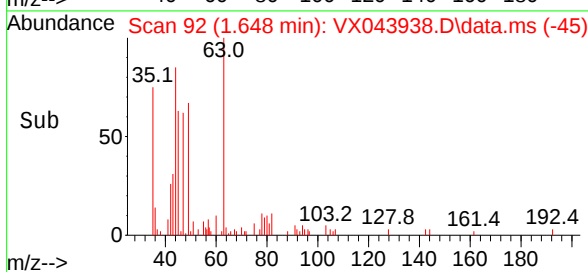
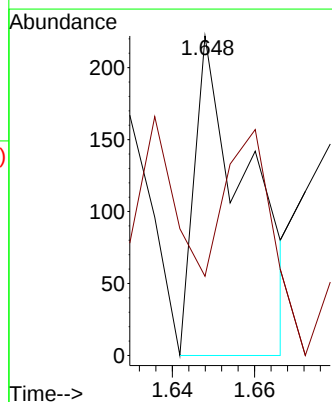
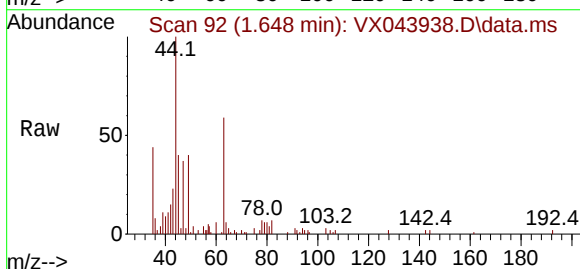
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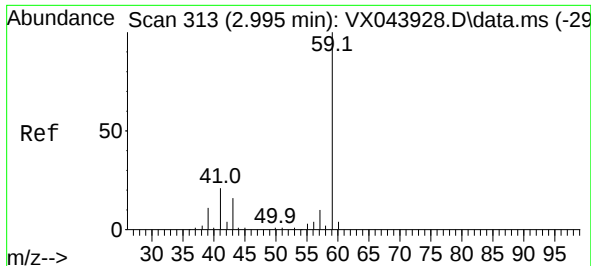
Tgt Ion: 64 Resp: 201

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.843 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.061 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

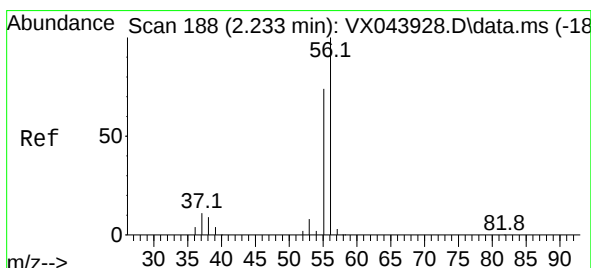
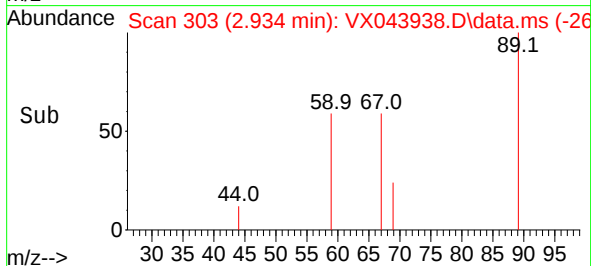
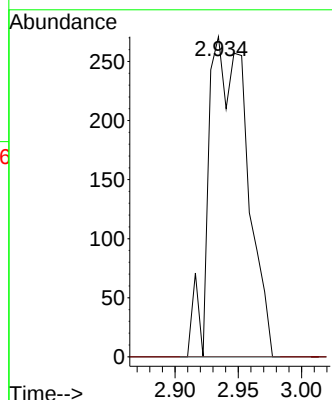
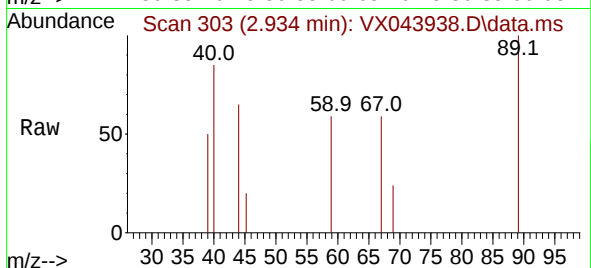
TB01-20241118

Tgt Ion: 59 Resp: 576

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#13

Acrolein

Concen: 0.273 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX043938.D

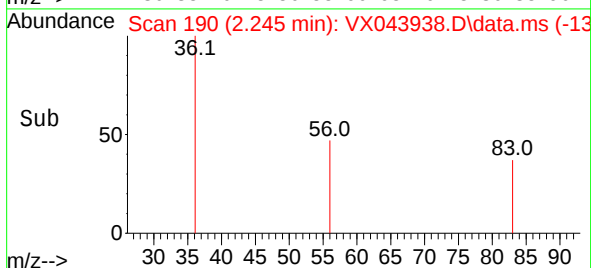
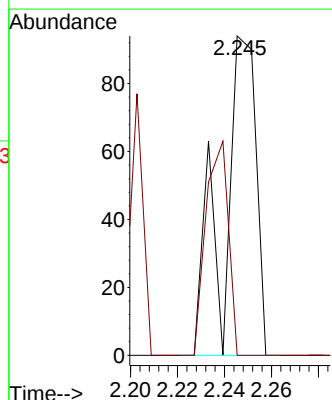
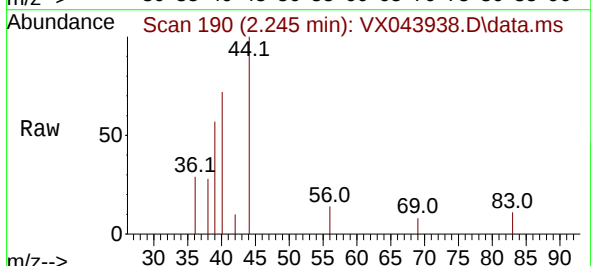
Acq: 21 Nov 2024 16:27

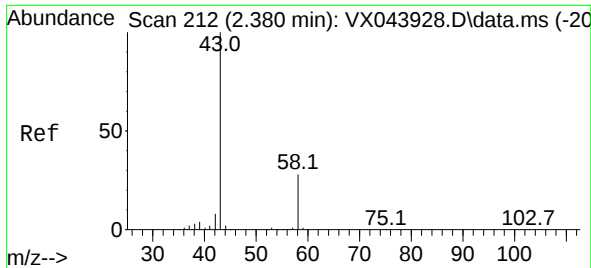
Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 46.7 58.2 87.2#





#16

Acetone

Concen: 1.385 ug/l

RT: 2.392 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

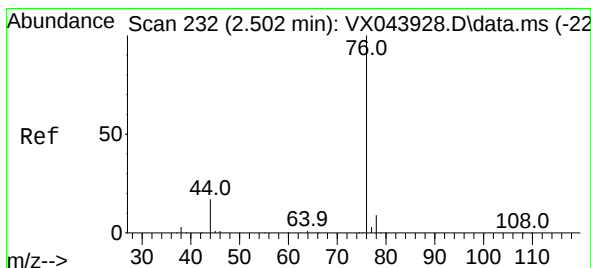
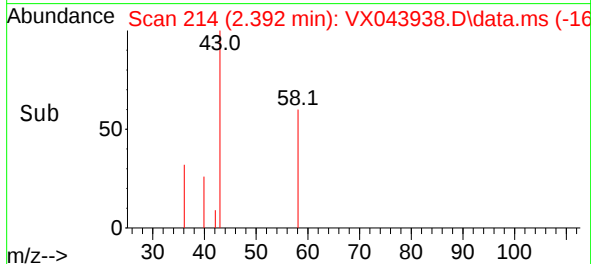
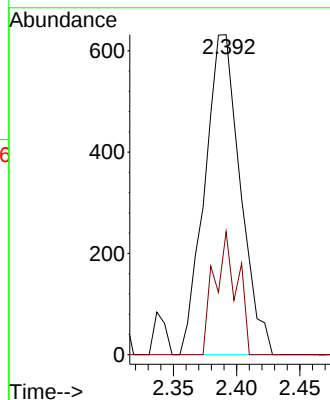
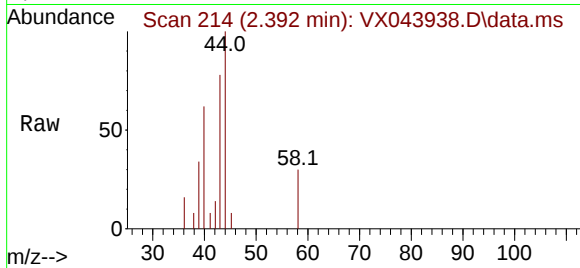
TB01-20241118

Tgt Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

58 38.4 22.7 34.1#



#17

Carbon Disulfide

Concen: 0.314 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX043938.D

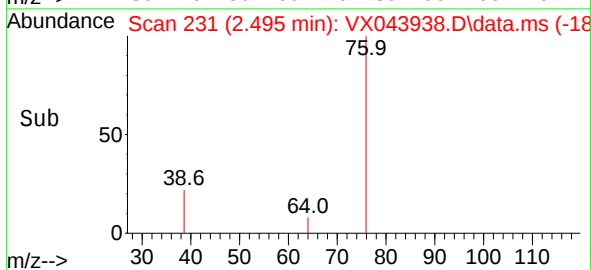
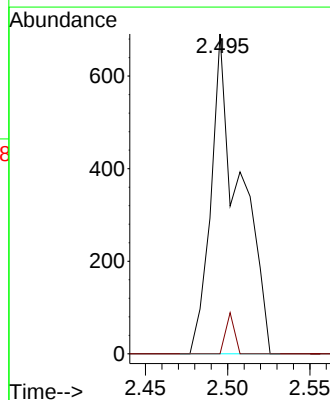
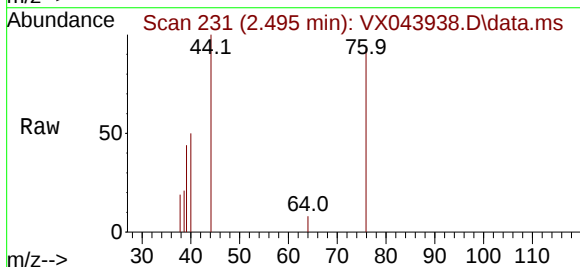
Acq: 21 Nov 2024 16:27

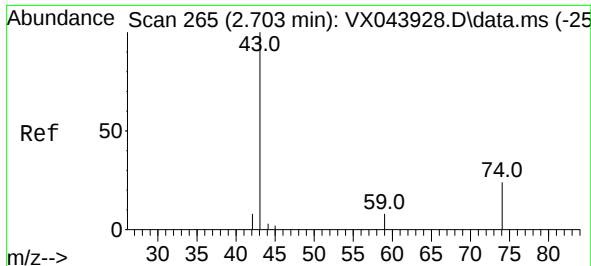
Tgt Ion: 76 Resp: 848

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.216 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

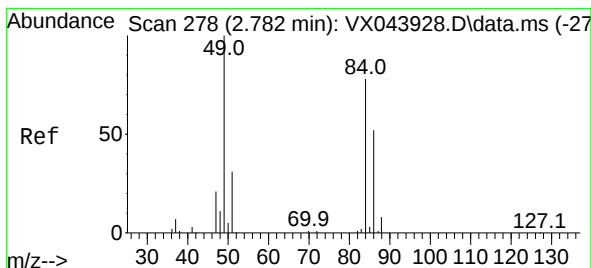
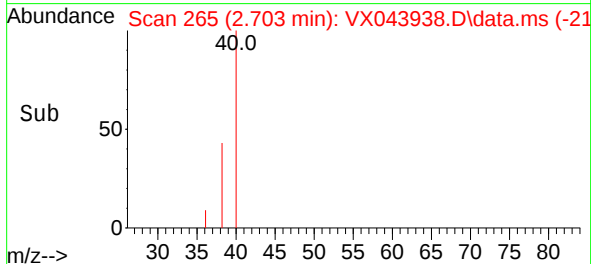
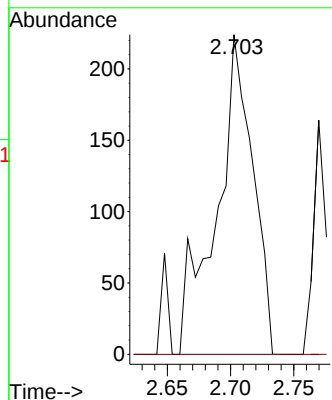
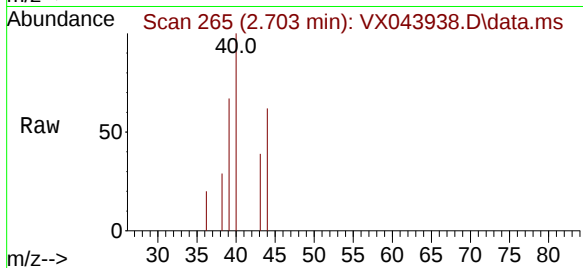
TB01-20241118

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



#20

Methylene Chloride

Concen: 0.295 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Tgt Ion: 84 Resp: 447

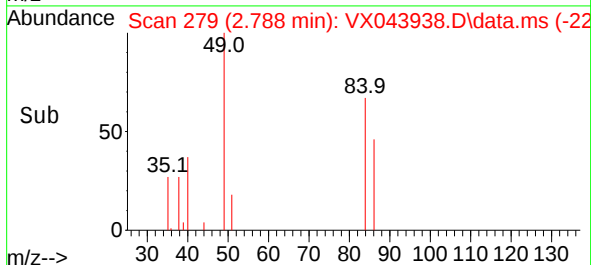
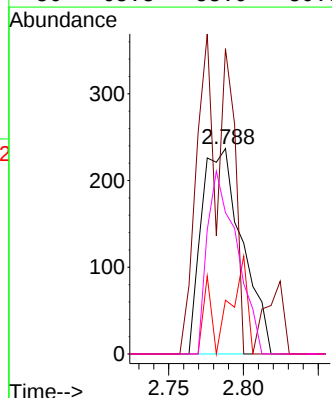
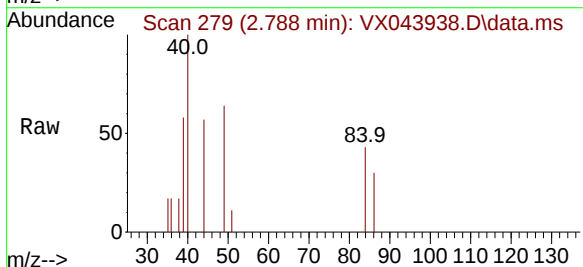
Ion Ratio Lower Upper

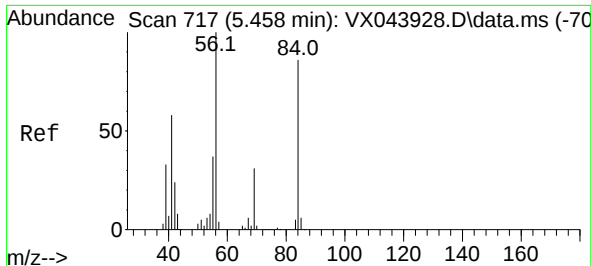
84 100

49 148.5 102.7 154.1

51 26.2 31.7 47.5#

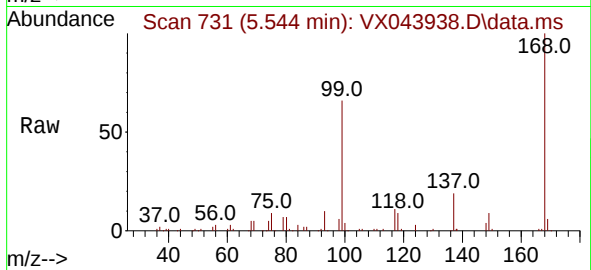
86 68.8 53.9 80.9



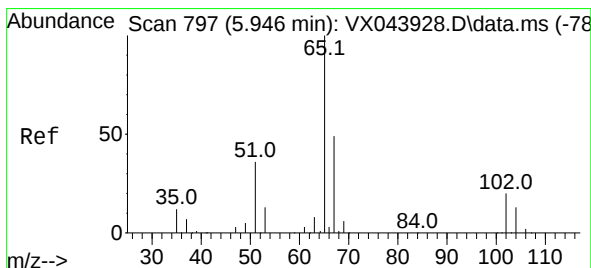
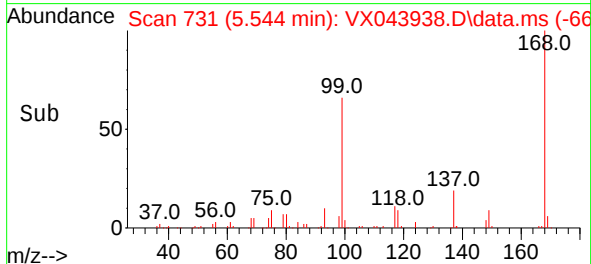
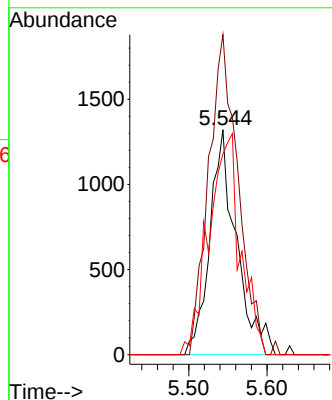


#31
Cyclohexane
Concen: 1.442 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Instrument :
MSVOA_X
ClientSampleId :
TB01-20241118

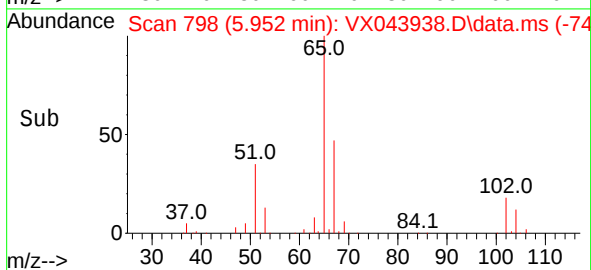
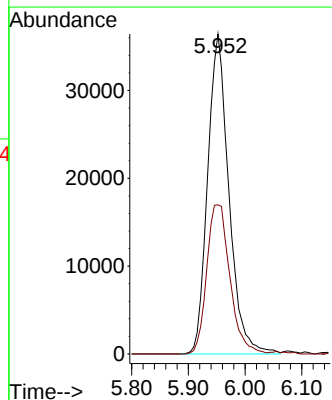
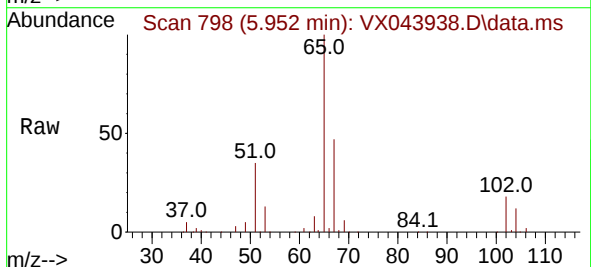


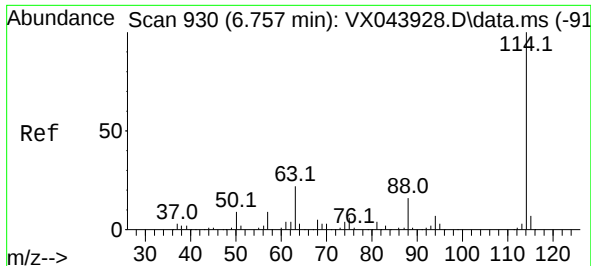
Tgt Ion: 56 Resp: 3129
Ion Ratio Lower Upper
56 100
69 142.2 24.7 37.1#
84 89.2 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 48.579 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion: 65 Resp: 94565
Ion Ratio Lower Upper
65 100
67 50.9 0.0 100.8

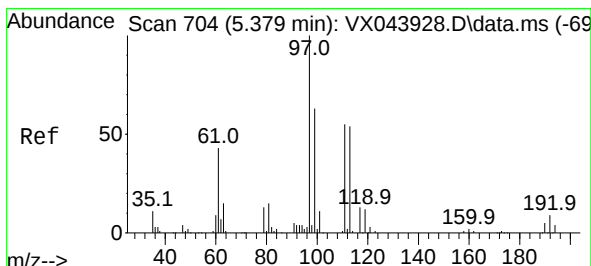
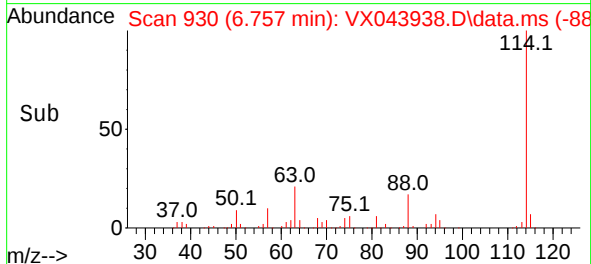
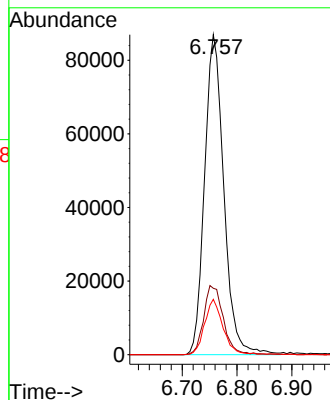
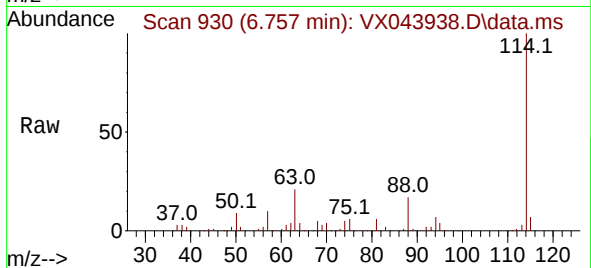




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

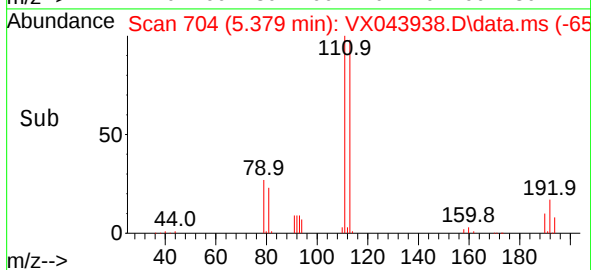
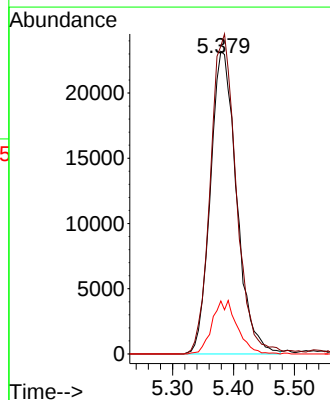
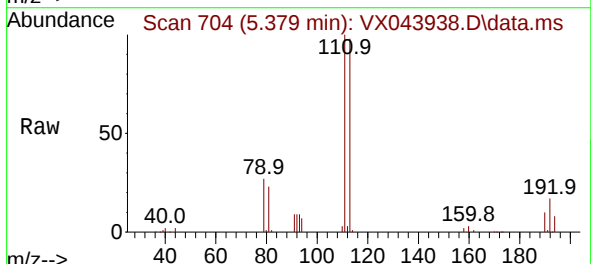
Instrument :
MSVOA_X
ClientSampleId :
TB01-20241118

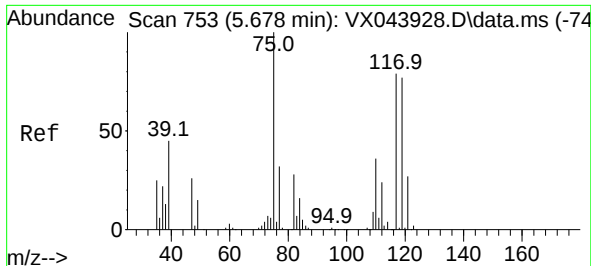
Tgt Ion:114 Resp: 211780
Ion Ratio Lower Upper
114 100
63 20.7 0.0 44.0
88 17.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.783 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion:113 Resp: 69282
Ion Ratio Lower Upper
113 100
111 105.2 81.0 121.4
192 16.9 13.0 19.6

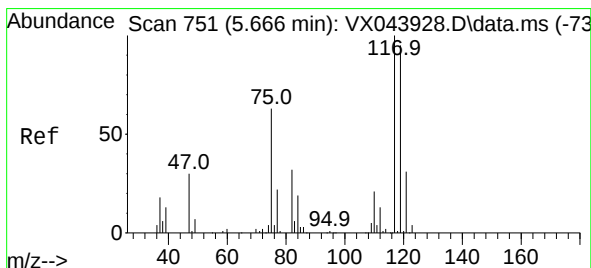
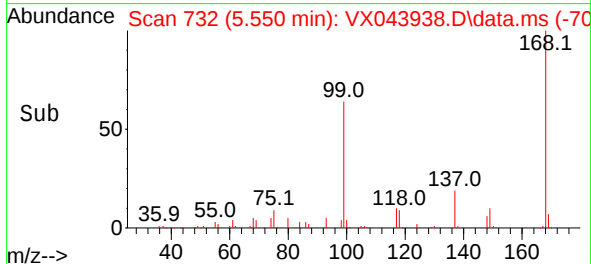
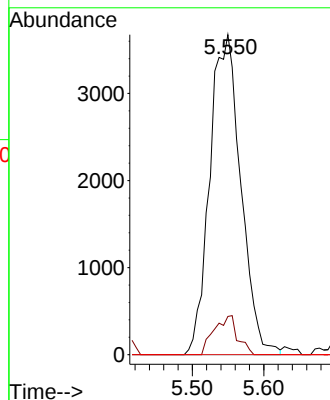
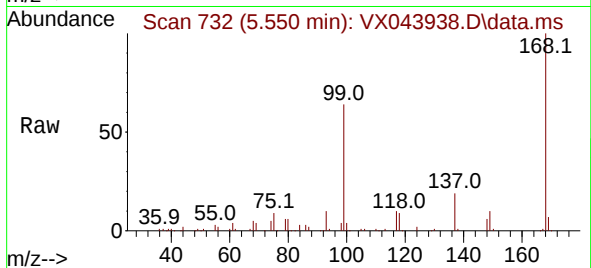




#36
1,1-Dichloropropene
Concen: 5.879 ug/l
RT: 5.550 min Scan# 710
Delta R.T. -0.128 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

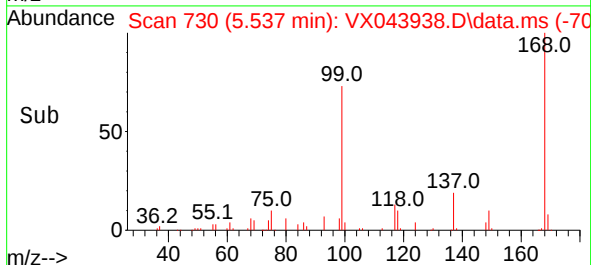
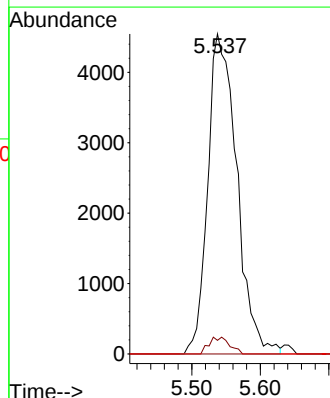
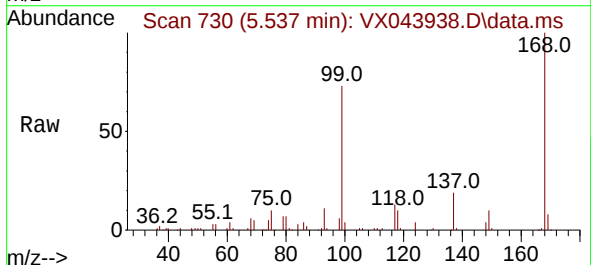
Instrument :
MSVOA_X
ClientSampleId :
TB01-20241118

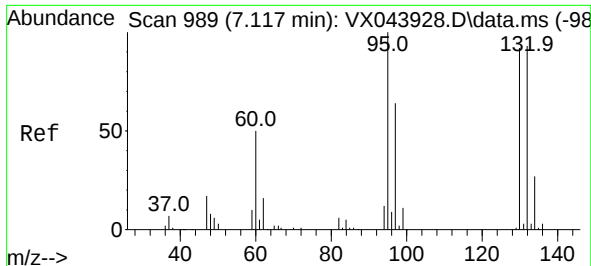
Tgt Ion: 75 Resp: 11087
Ion Ratio Lower Upper
75 100
110 9.2 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.306 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion:117 Resp: 13361
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 24.5 36.7#





#44

Trichloroethene

Concen: 0.294 ug/l

RT: 7.135 min Scan# 90

Delta R.T. 0.018 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

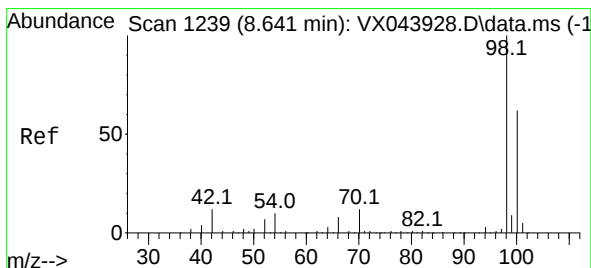
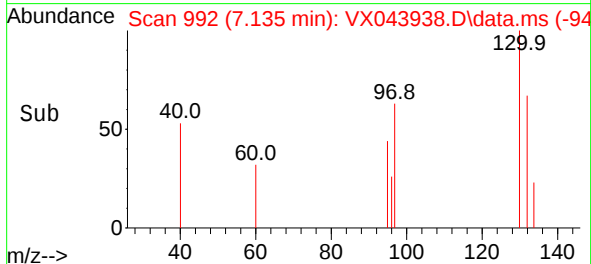
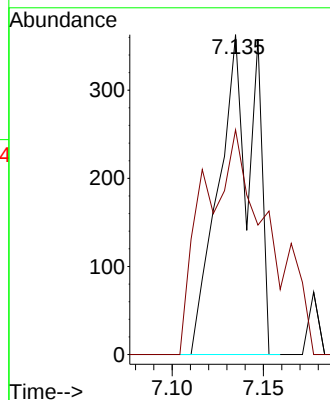
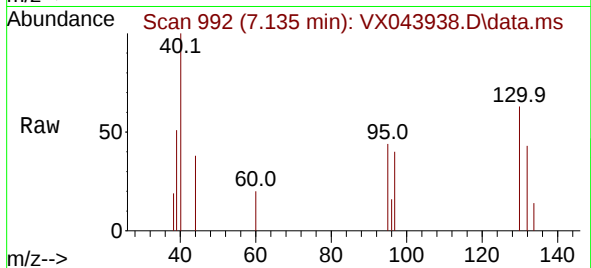
TB01-20241118

Tgt Ion:130 Resp: 489

Ion Ratio Lower Upper

130 100

95 70.2 0.0 217.8



#50

Toluene-d8

Concen: 50.155 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043938.D

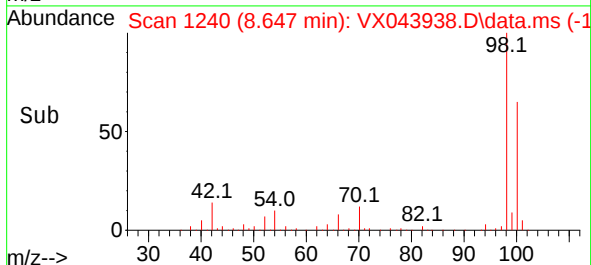
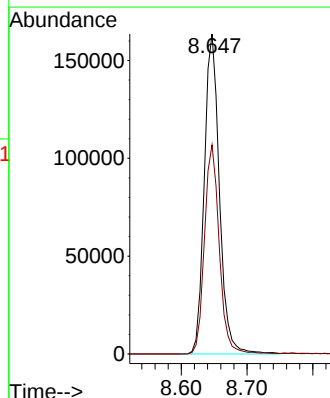
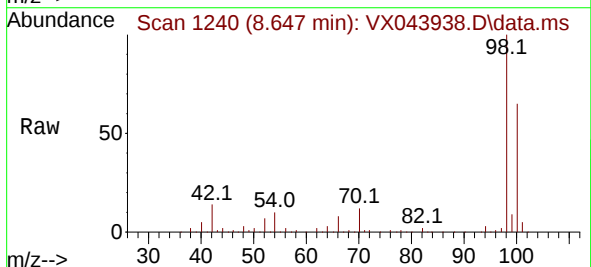
Acq: 21 Nov 2024 16:27

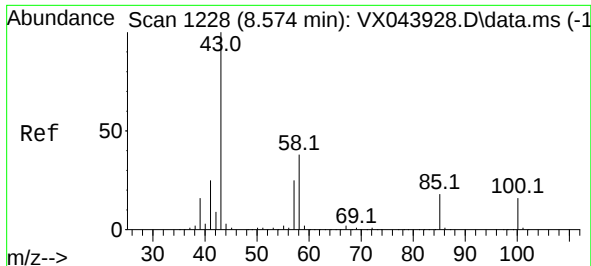
Tgt Ion: 98 Resp: 261631

Ion Ratio Lower Upper

98 100

100 64.0 52.6 79.0

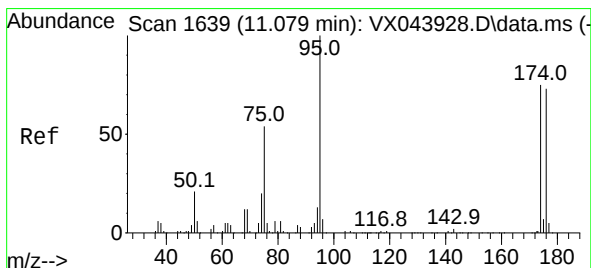
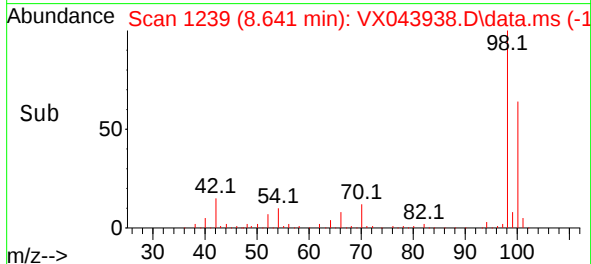
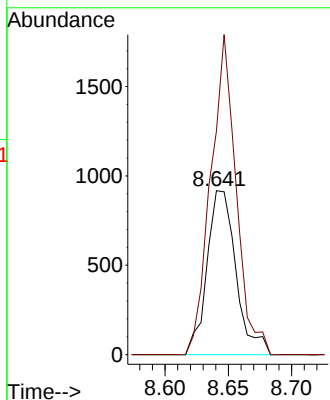
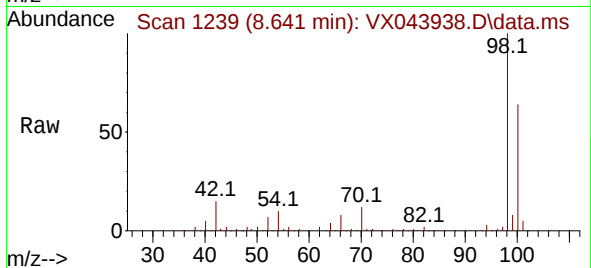




#51
4-Methyl-2-Pentanone
Concen: 0.644 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

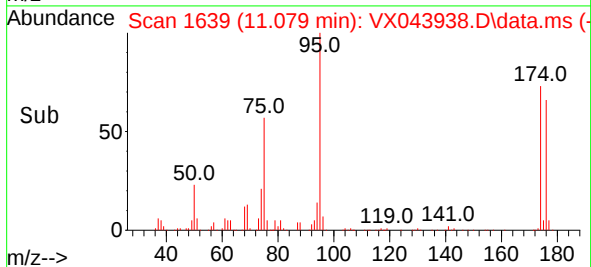
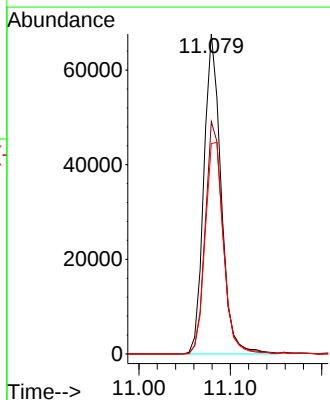
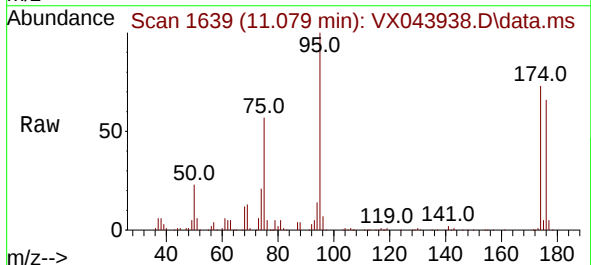
Instrument :
MSVOA_X
ClientSampleId :
TB01-20241118

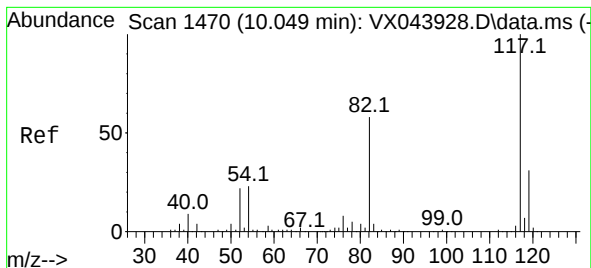
Tgt Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
58 171.4 30.0 45.0#



#62
4-Bromofluorobenzene
Concen: 49.665 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion: 95 Resp: 88169
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.4
176 71.2 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

TB01-20241118

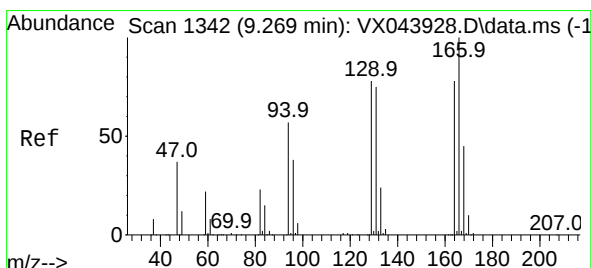
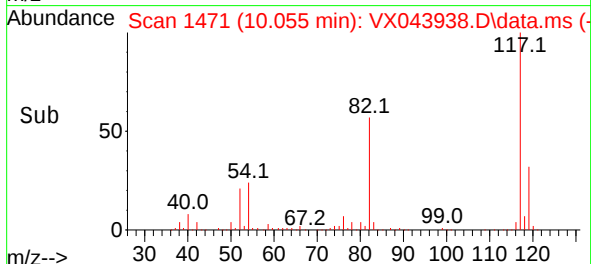
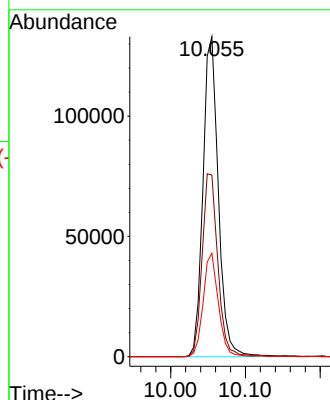
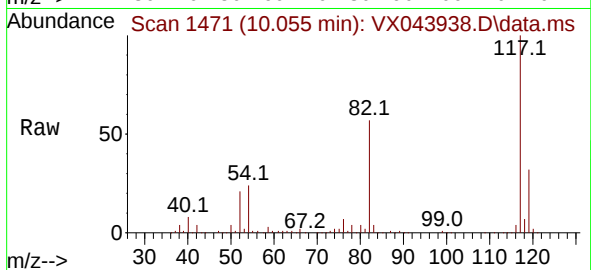
Tgt Ion:117 Resp: 190080

Ion Ratio Lower Upper

117 100

82 56.8 46.4 69.6

119 32.3 24.6 37.0



#64

Tetrachloroethene

Concen: 0.263 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.012 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Tgt Ion:164 Resp: 330

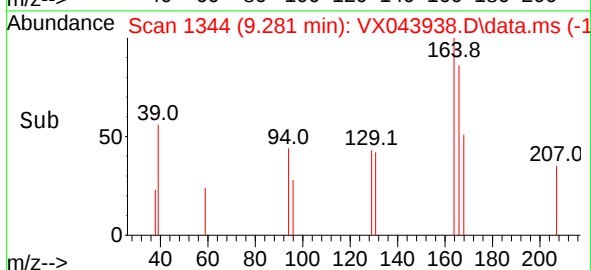
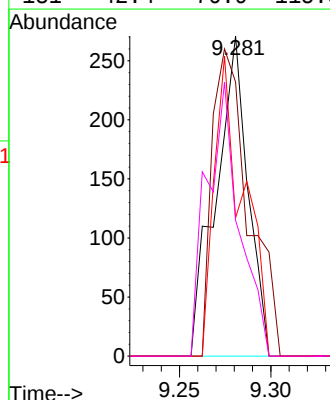
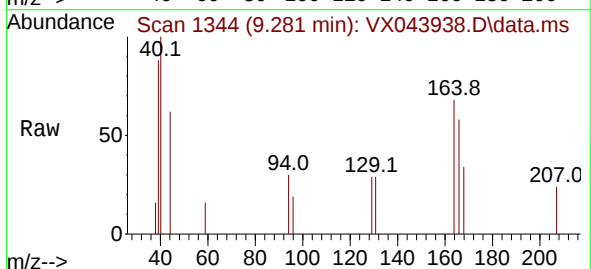
Ion Ratio Lower Upper

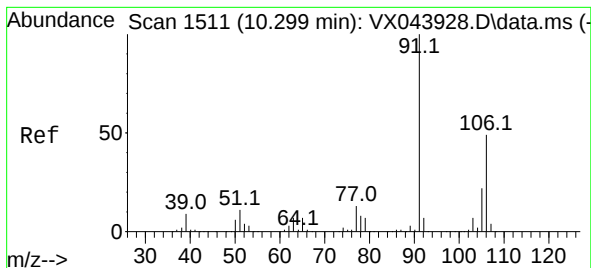
164 100

166 85.6 102.1 153.1#

129 43.2 79.6 119.4#

131 42.4 76.9 115.3#

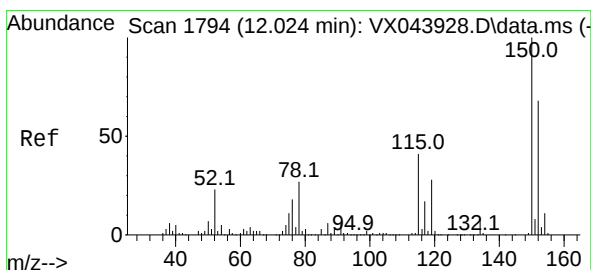
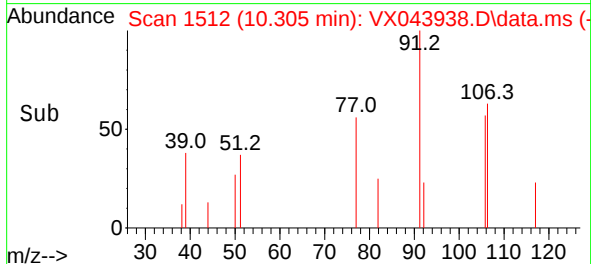
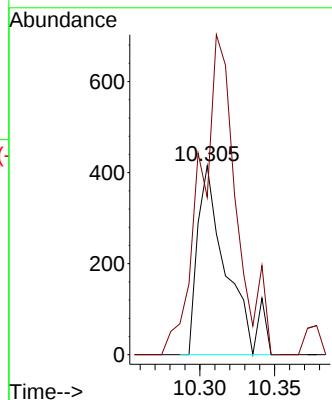
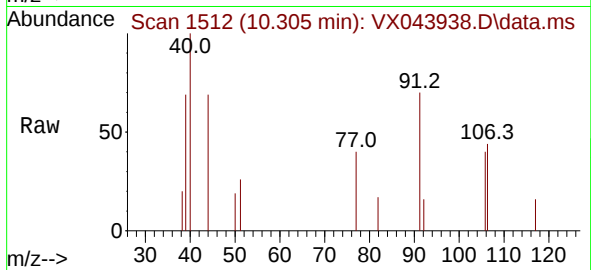




#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

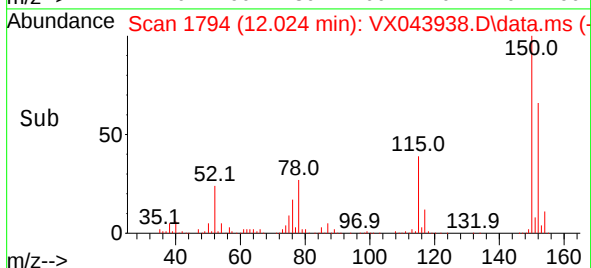
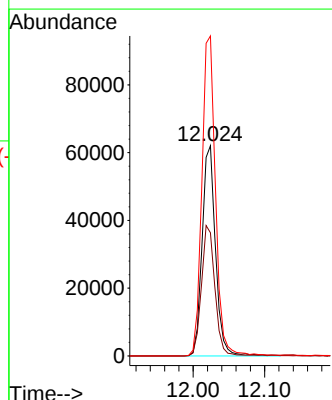
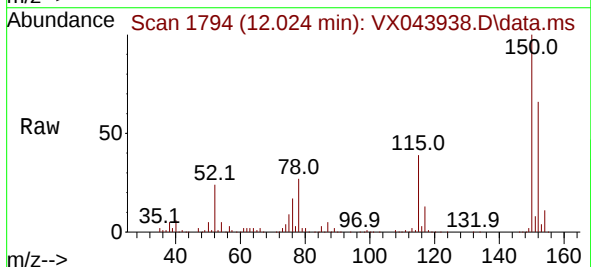
Instrument :
MSVOA_X
ClientSampleId :
TB01-20241118

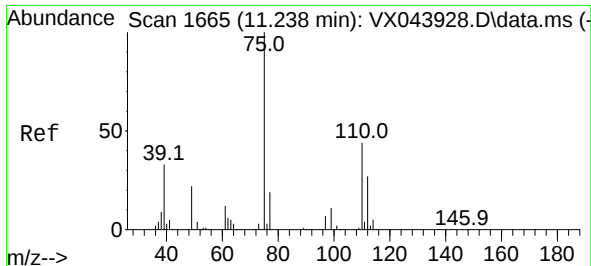
Tgt Ion:106 Resp: 565
Ion Ratio Lower Upper
106 100
91 206.4 168.1 252.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion:152 Resp: 80979
Ion Ratio Lower Upper
152 100
115 62.2 45.4 136.2
150 154.6 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 28.219 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

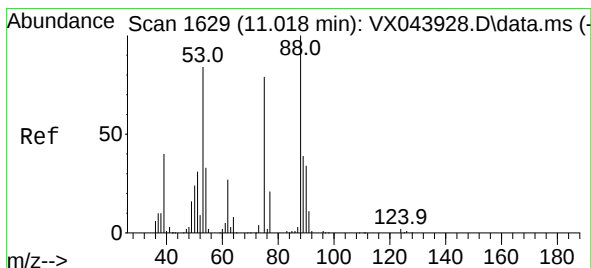
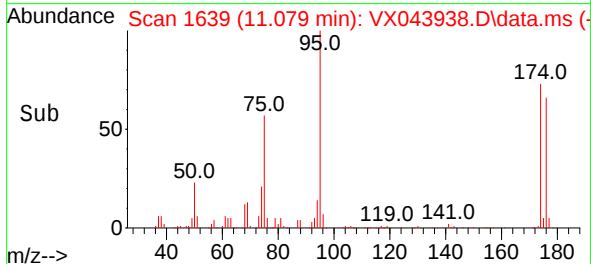
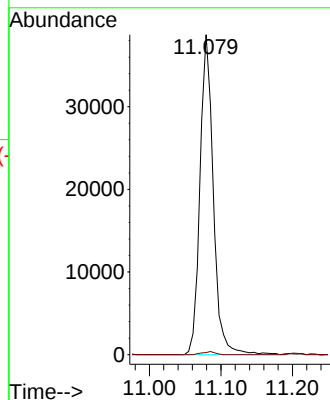
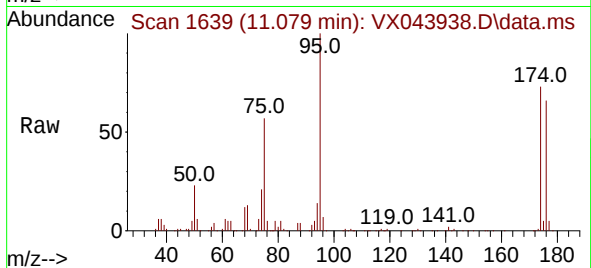
TB01-20241118

Tgt Ion: 75 Resp: 50113

Ion Ratio Lower Upper

75 100

77 0.9 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.003 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043938.D

Acq: 21 Nov 2024 16:27

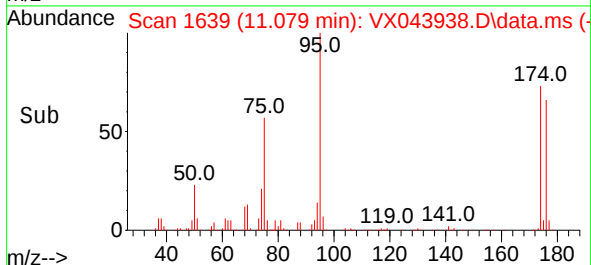
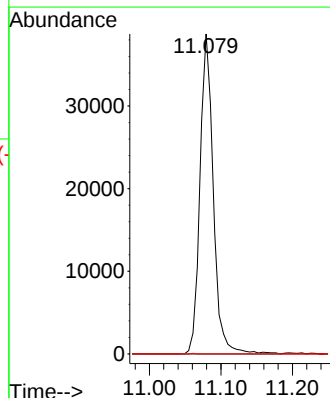
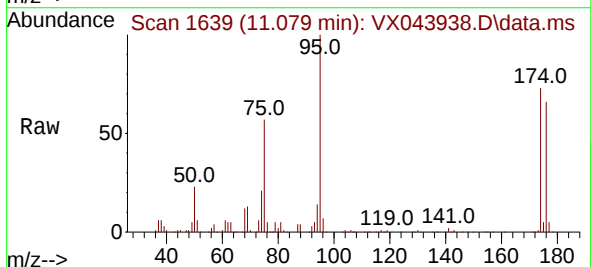
Tgt Ion: 75 Resp: 50113

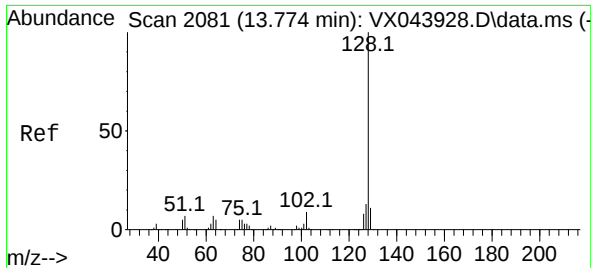
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.1 38.2 57.2#





#95

Naphthalene

Concen: 0.212 ug/l

RT: 13.792 min Scan# 20

Delta R.T. 0.018 min

Lab File: VX043938.D

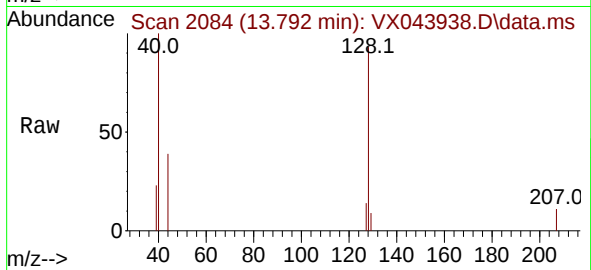
Acq: 21 Nov 2024 16:27

Instrument :

MSVOA_X

ClientSampleId :

TB01-20241118



Tgt Ion:128 Resp: 1228

Ion Ratio Lower Upper

128 100

127 5.1 10.2 15.2#

129 6.4 8.6 12.8#

