

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025522.D
 Acq On : 04 Dec 2021 15:20
 Operator : JC/MD
 Sample : M4923-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20211202

Quant Time: Dec 06 01:02:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

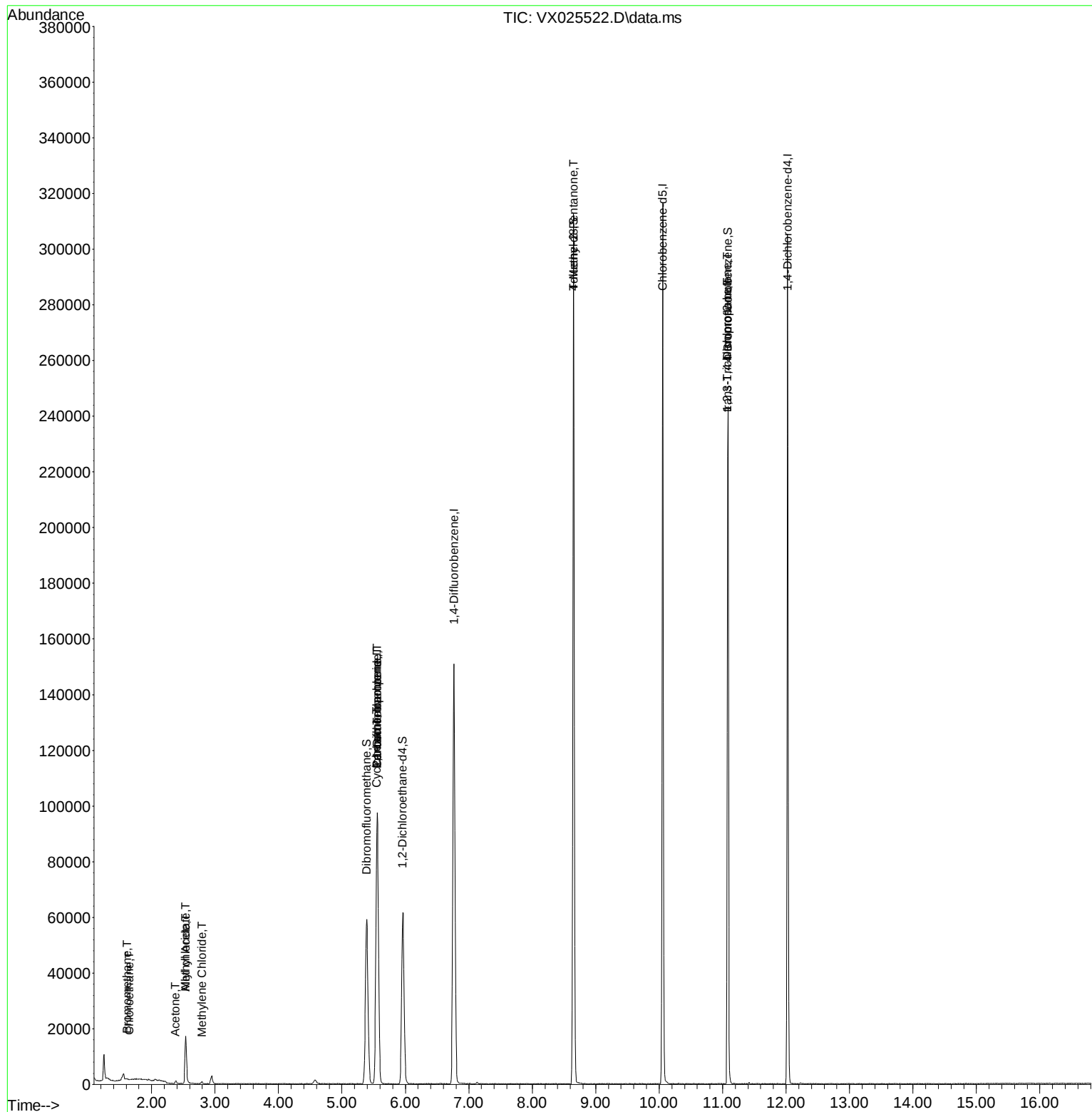
Internal Standards						
1) Pentafluorobenzene	5.556	168	98282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	164689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63948	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58671	56.63	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.26%			
35) Dibromofluoromethane	5.391	113	51238	50.71	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.42%			
50) Toluene-d8	8.653	98	190239	50.07	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.14%			
62) 4-Bromofluorobenzene	11.085	95	65822	45.80	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.60%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	216	0.43 ug/l	#	54
6) Chloroethane	1.654	64	252	0.32 ug/l	#	43
11) Tert butyl alcohol	2.947	59	1612	Below Cal	#	72
14) Allyl chloride	2.538	41	1585	0.96 ug/l	#	66
16) Acetone	2.380	43	1060	1.84 ug/l		99
18) Methyl Acetate	2.538	43	4573	2.49 ug/l	#	52
20) Methylene Chloride	2.794	84	383	0.35 ug/l	#	74
31) Cyclohexane	5.550	56	1820	1.14 ug/l	#	1
36) 1,1-Dichloropropene	5.556	75	6892	4.80 ug/l	#	49
38) Carbon Tetrachloride	5.556	117	9154	5.78 ug/l	#	18
51) 4-Methyl-2-Pentanone	8.653	43	779	0.46 ug/l	#	1
76) 1,2,3-Trichloropropane	11.079	75	32069	24.49 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32069	61.69 ug/l	#	9

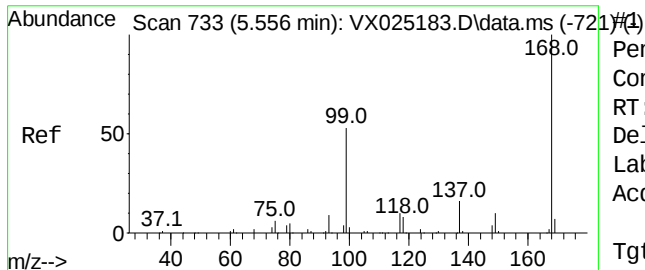
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

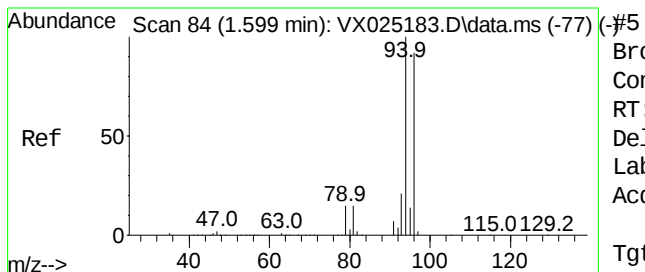
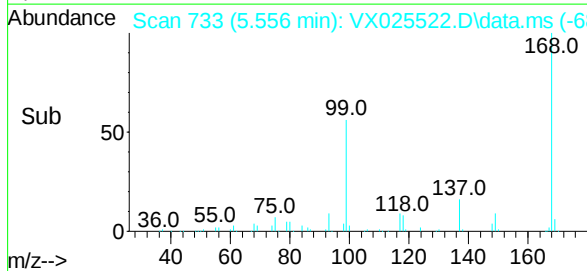
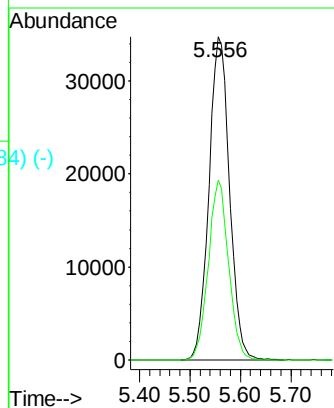
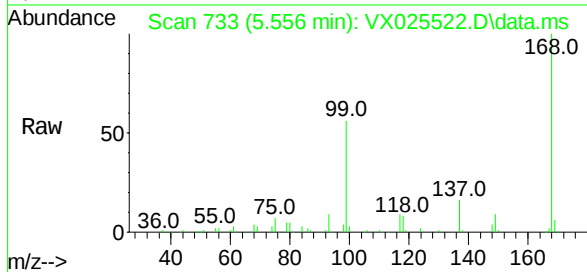
TB02-20211202

Tgt Ion:168 Resp: 98282

Ion Ratio Lower Upper

168 100

99 55.5 46.4 69.6



Bromomethane

Concen: 0.43 ug/l

RT: 1.617 min Scan# 87

Delta R.T. 0.018 min

Lab File: VX025522.D

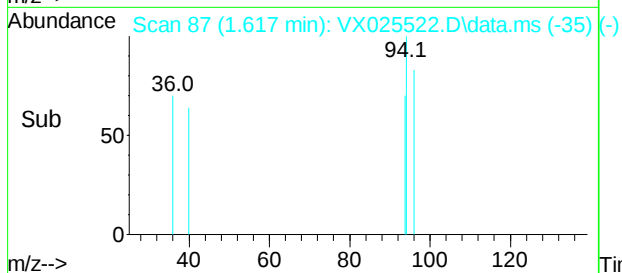
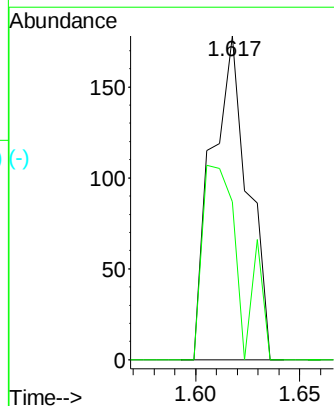
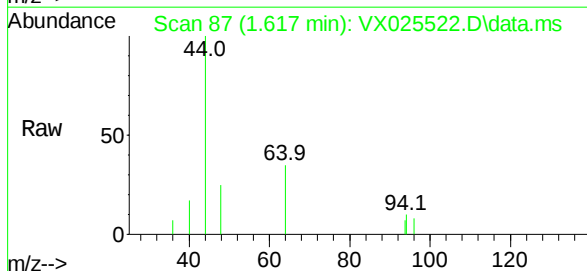
Acq: 04 Dec 2021 15:20

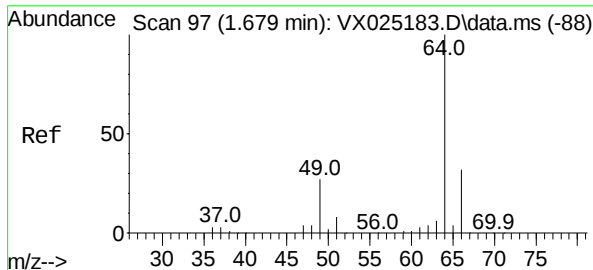
Tgt Ion: 94 Resp: 216

Ion Ratio Lower Upper

94 100

96 48.9 74.8 112.2#





Chloroethane

Concen: 0.32 ug/l

RT: 1.654 min Scan#

Delta R.T. -0.025 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

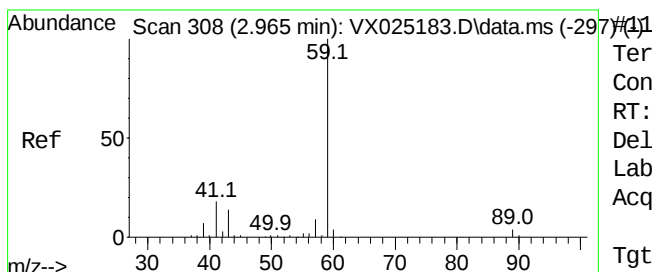
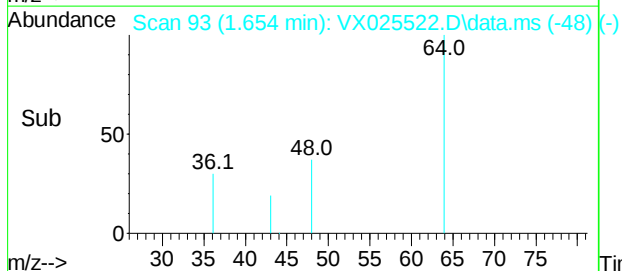
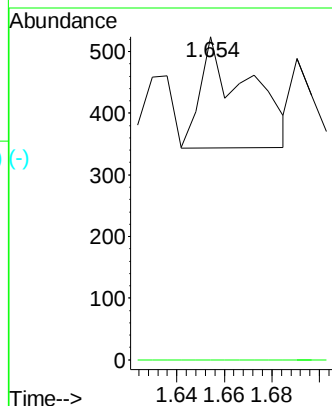
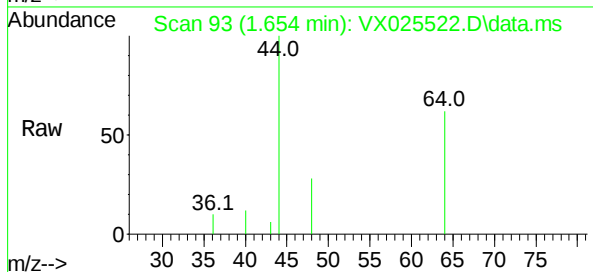
TB02-20211202

Tgt Ion: 64 Resp: 252

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX025522.D

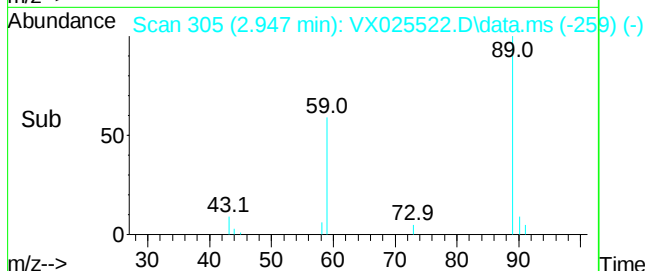
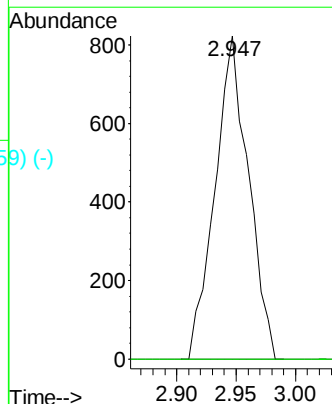
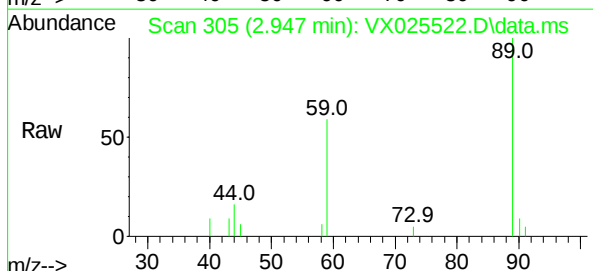
Acq: 04 Dec 2021 15:20

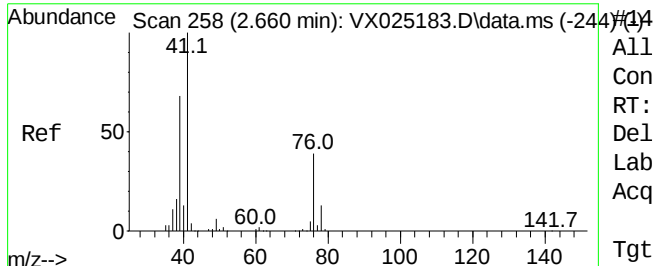
Tgt Ion: 59 Resp: 1612

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





Allyl chloride

Concen: 0.96 ug/l

RT: 2.538 min Scan# 214

Delta R.T. -0.122 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

TB02-20211202

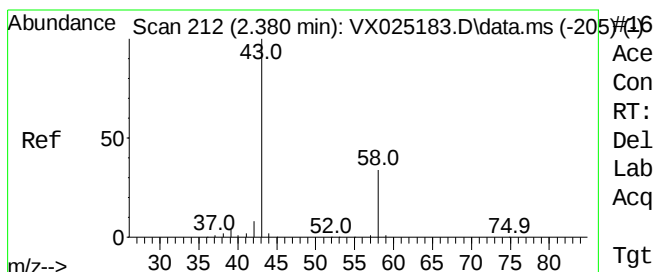
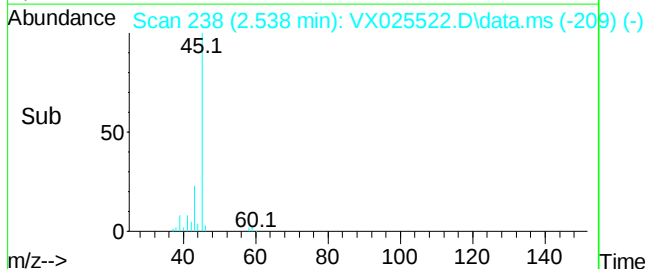
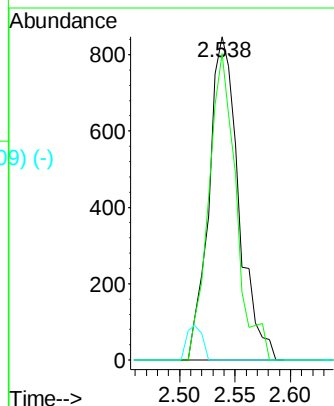
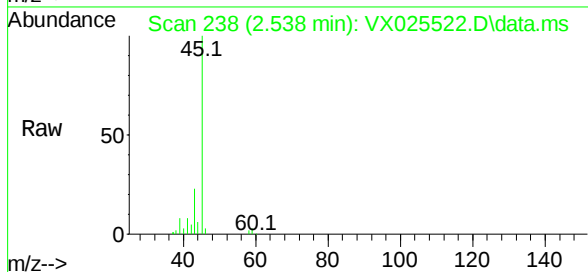
Tgt Ion: 41 Resp: 1585

Ion Ratio Lower Upper

41 100

39 87.4 54.6 82.0#

76 0.0 25.3 37.9#



Acetone

Concen: 1.84 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025522.D

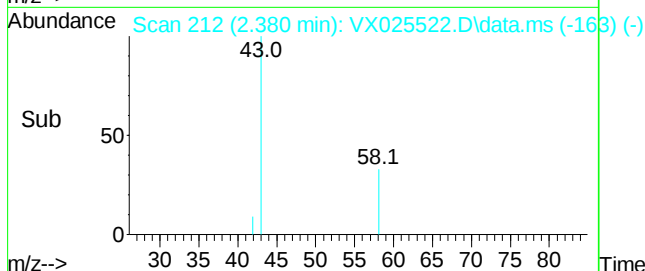
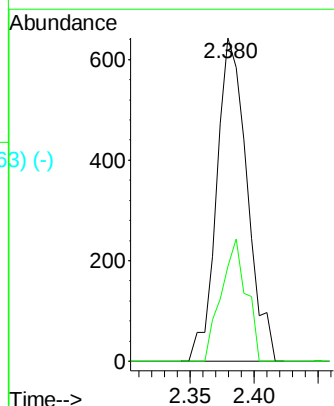
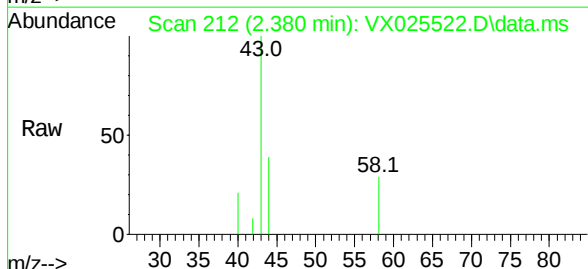
Acq: 04 Dec 2021 15:20

Tgt Ion: 43 Resp: 1060

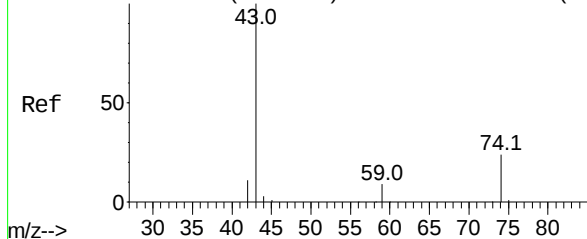
Ion Ratio Lower Upper

43 100

58 29.4 24.0 36.0



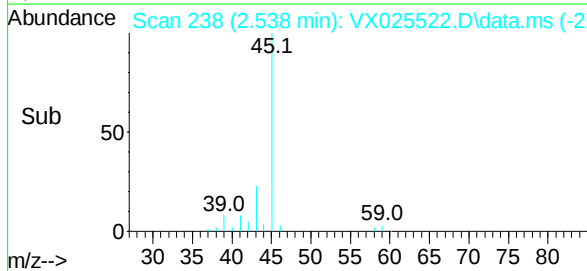
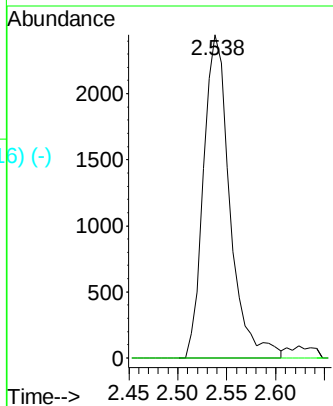
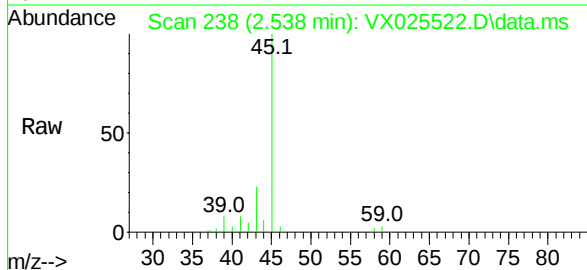
Abundance Scan 265 (2.703 min): VX025183.D\data.ms (-255) #18



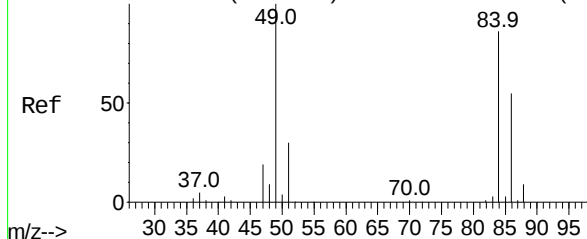
Methyl Acetate
Concen: 2.49 ug/l
RT: 2.538 min Scan# 216
Delta R.T. -0.165 min
Lab File: VX025522.D
Acq: 04 Dec 2021 15:20

Instrument :
MSVOA_X
ClientSampleId :
TB02-20211202

Tgt Ion: 43 Resp: 4573
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

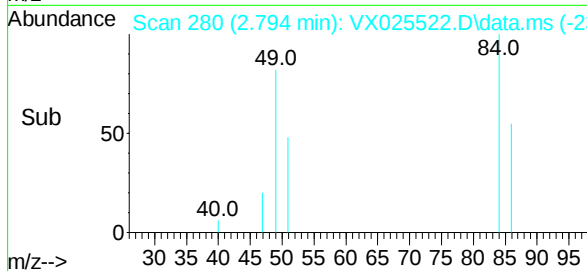
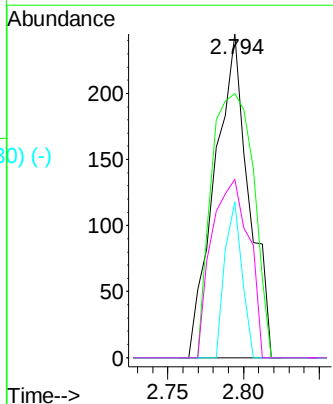
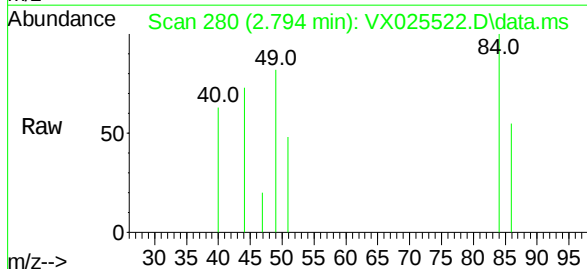


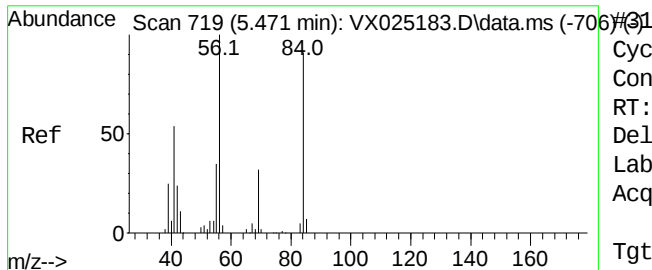
Abundance Scan 279 (2.788 min): VX025183.D\data.ms (-271) #20



Methylene Chloride
Concen: 0.35 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX025522.D
Acq: 04 Dec 2021 15:20

Tgt Ion: 84 Resp: 383
Ion Ratio Lower Upper
84 100
49 81.6 98.2 147.2#
51 48.2 30.2 45.4#
86 55.1 52.2 78.2





Cyclohexane

Concen: 1.14 ug/l

RT: 5.550 min Scan#

Delta R.T. 0.079 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

TB02-20211202

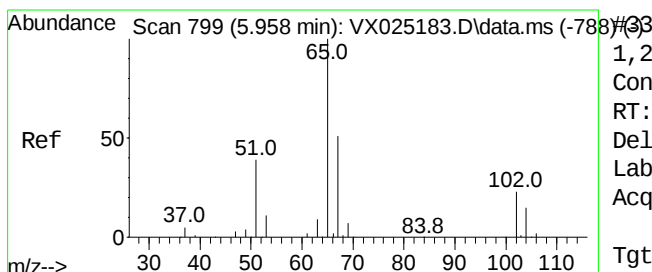
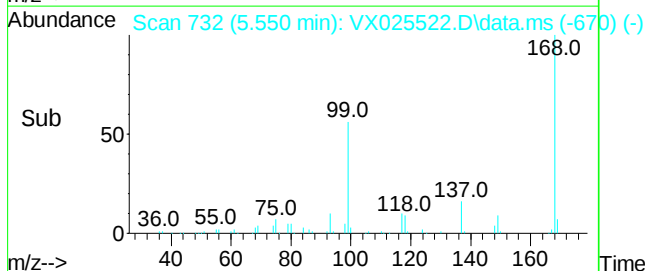
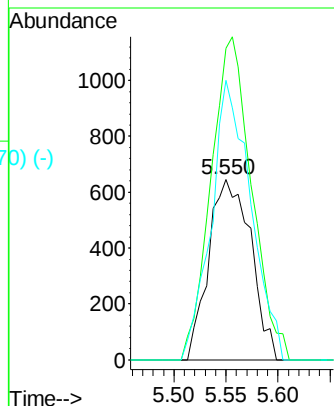
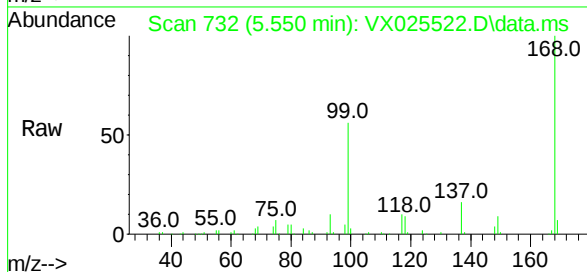
Tgt Ion: 56 Resp: 1820

Ion Ratio Lower Upper

56 100

69 172.4 24.2 36.2#

84 155.0 71.5 107.3#



1,2-Dichloroethane-d4

Concen: 56.63 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025522.D

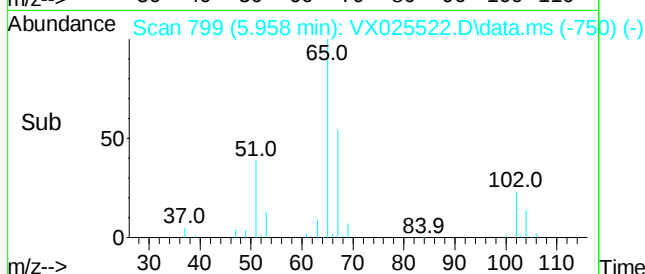
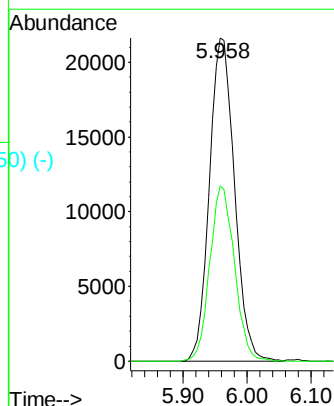
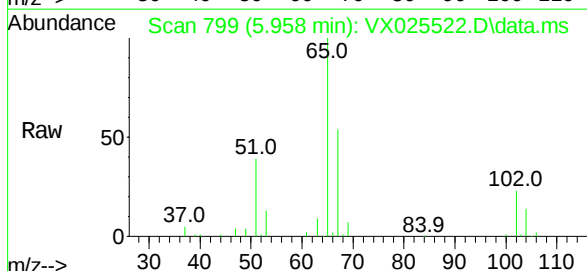
Acq: 04 Dec 2021 15:20

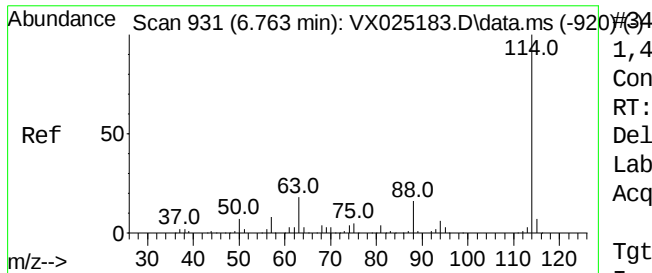
Tgt Ion: 65 Resp: 58671

Ion Ratio Lower Upper

65 100

67 53.2 0.0 101.0





1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

TB02-20211202

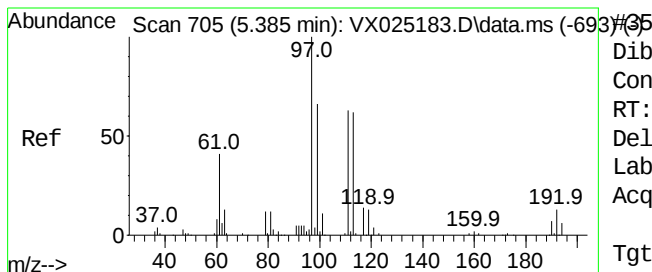
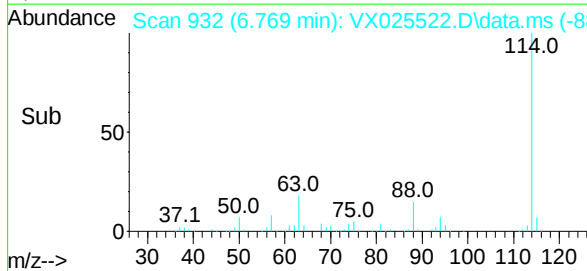
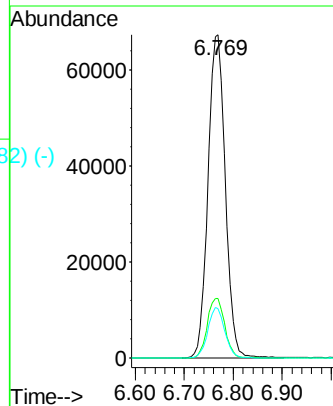
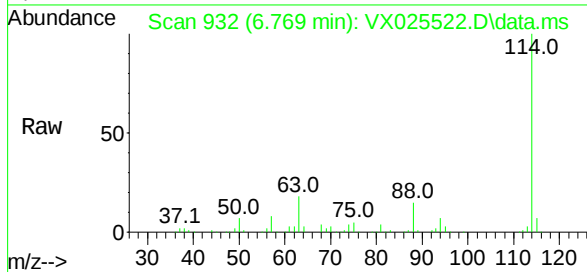
Tgt Ion:114 Resp: 164689

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 15.2 0.0 34.8



Dibromofluoromethane

Concen: 50.71 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

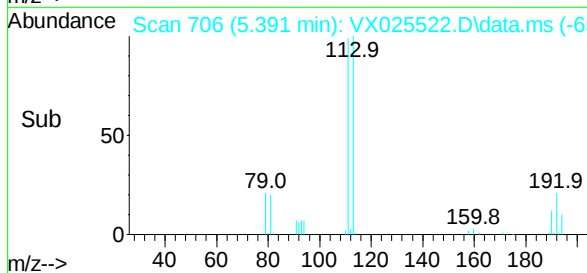
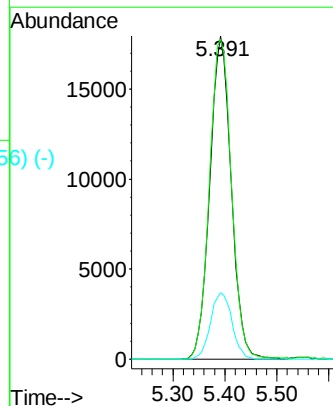
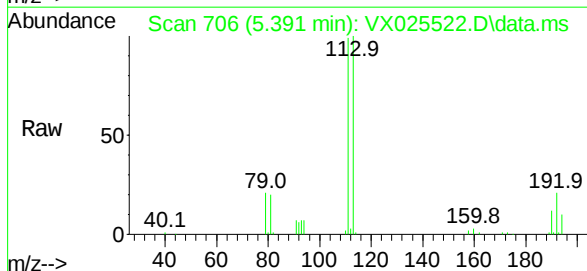
Tgt Ion:113 Resp: 51238

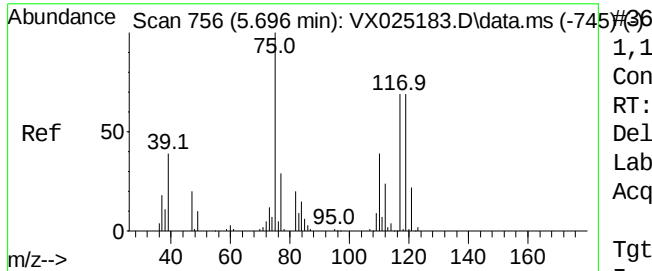
Ion Ratio Lower Upper

113 100

111 102.1 82.1 123.1

192 20.5 15.6 23.4

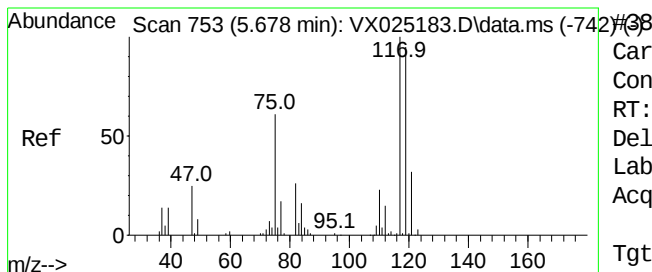
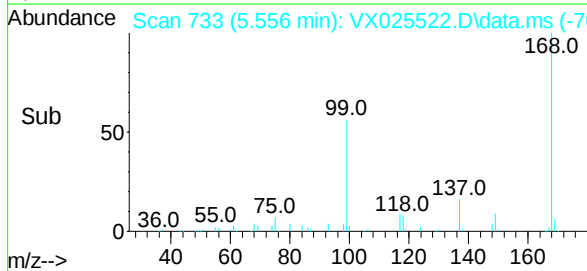
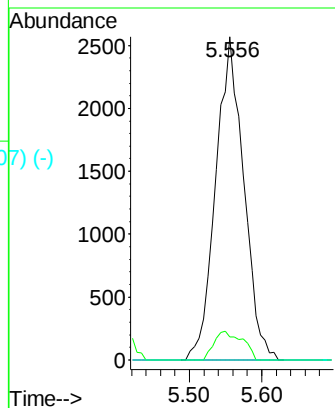
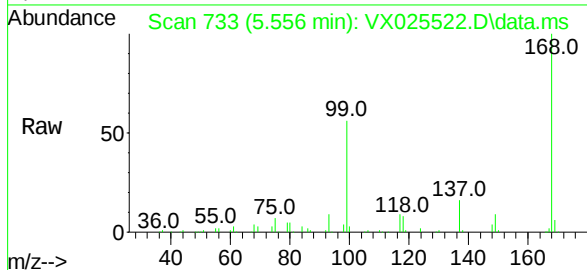




1,1-Dichloropropene
 Concen: 4.80 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.140 min
 Lab File: VX025522.D
 Acq: 04 Dec 2021 15:20

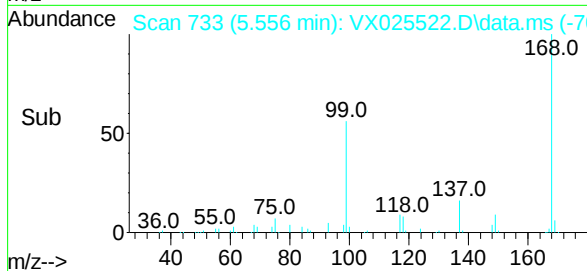
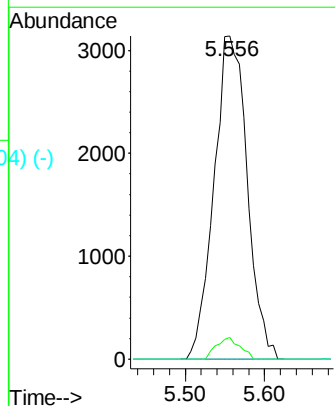
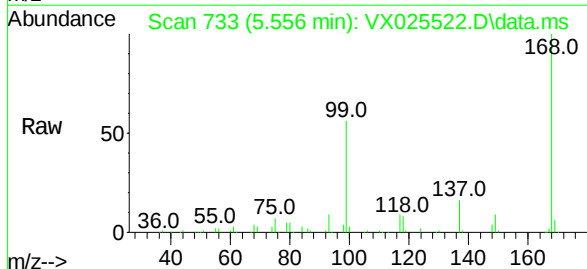
Instrument :
 MSVOA_X
 ClientSampleId :
 TB02-20211202

Tgt Ion:	75	Resp:	6892
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	24.4	36.6#

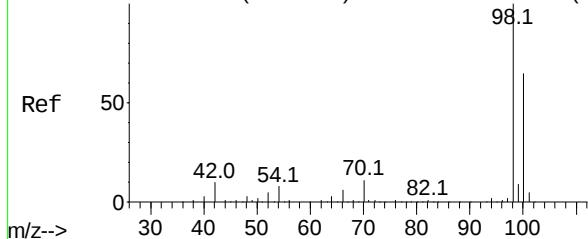


Carbon Tetrachloride
 Concen: 5.78 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.122 min
 Lab File: VX025522.D
 Acq: 04 Dec 2021 15:20

Tgt Ion:	117	Resp:	9154
Ion	Ratio	Lower	Upper
117	100		
119	6.8	75.6	113.4#
121	0.0	23.7	35.5#



Abundance Scan 1241 (8.653 min): VX025183.D\data.ms (-12359)



Toluene-d8

Concen: 50.07 ug/l

RT: 8.653 min Scan#

Delta R.T. -0.000 min

Lab File: VX025522.D

Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

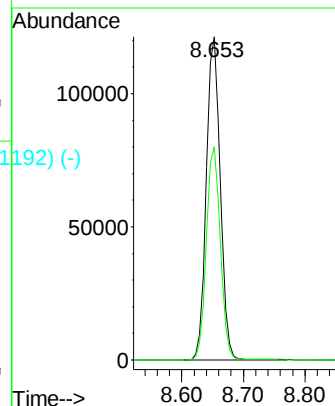
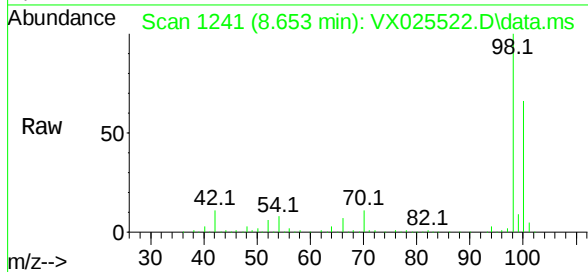
TB02-20211202

Tgt Ion: 98 Resp: 190239

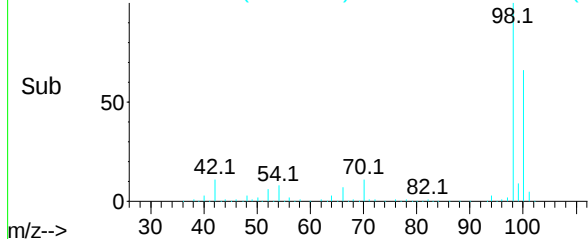
Ion Ratio Lower Upper

98 100

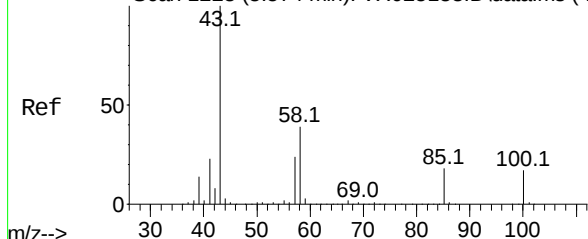
100 66.2 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025522.D\data.ms (-1192) (-)



Abundance Scan 1228 (8.574 min): VX025183.D\data.ms (-12351)



4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX025522.D

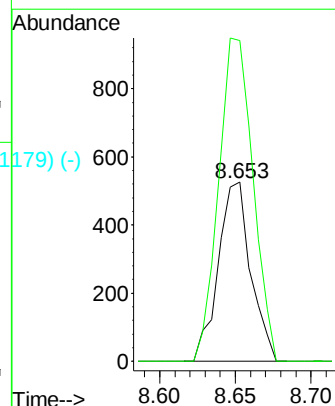
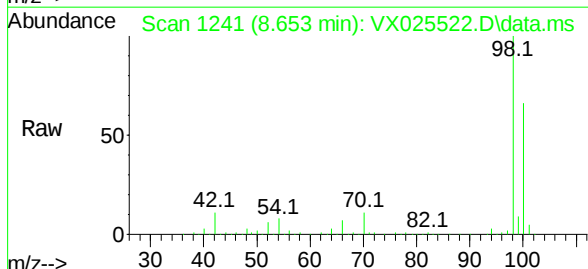
Acq: 04 Dec 2021 15:20

Tgt Ion: 43 Resp: 779

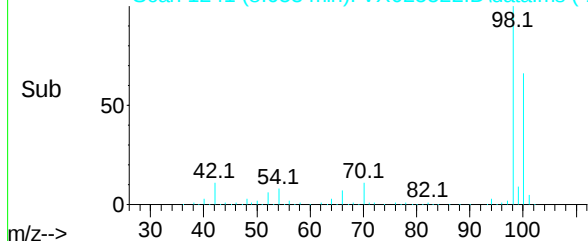
Ion Ratio Lower Upper

43 100

58 191.8 30.9 46.3#



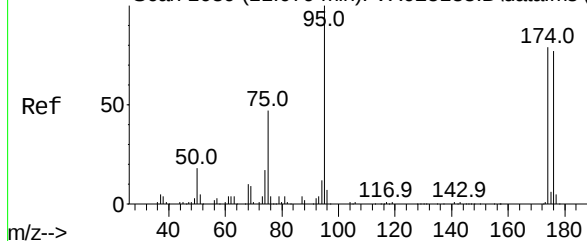
Abundance Scan 1241 (8.653 min): VX025522.D\data.ms (-1179) (-)



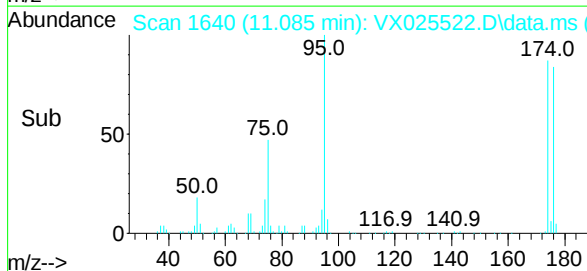
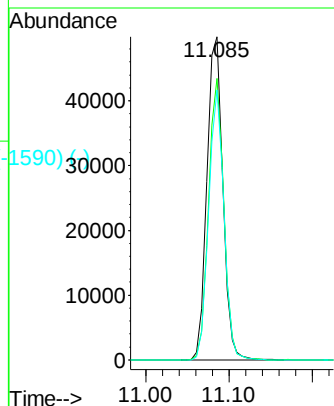
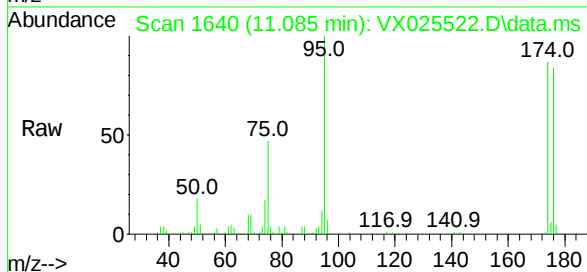
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639)

4-Bromofluorobenzene
Concen: 45.80 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025522.D
Acq: 04 Dec 2021 15:20

Instrument :
MSVOA_X
ClientSampleId :
TB02-20211202



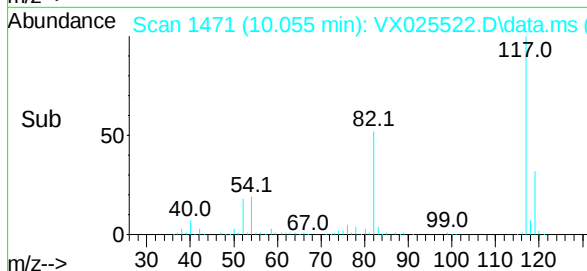
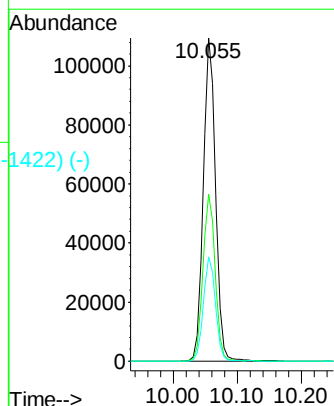
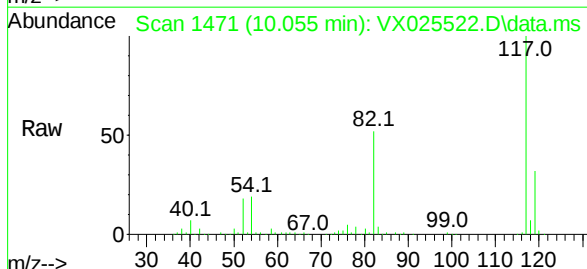
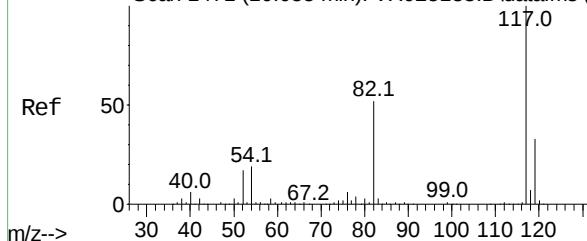
Tgt Ion:	95	Resp:	65822
Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	158.0
176	80.1	0.0	153.6



Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469)

Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025522.D
Acq: 04 Dec 2021 15:20

Tgt Ion:	117	Resp:	147084
Ion	Ratio	Lower	Upper
117	100		
82	51.7	44.6	67.0
119	32.4	24.8	37.2



Abundance Scan 1794 (12.024 min): VX025183.D\data.ms (-1759) (-)

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.024 min Scan# 1759

Delta R.T. 0.000 min

Lab File: VX025522.D

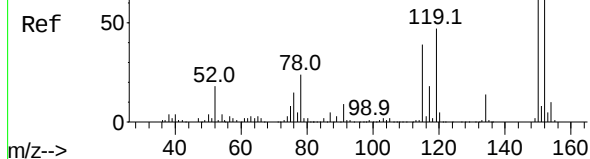
Acq: 04 Dec 2021 15:20

Instrument :

MSVOA_X

ClientSampleId :

TB02-20211202



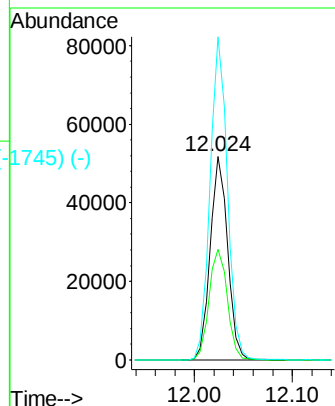
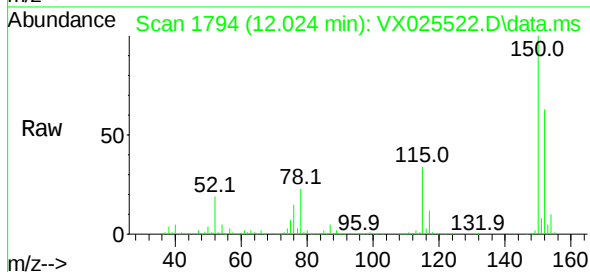
Tgt Ion:152 Resp: 63948

Ion Ratio Lower Upper

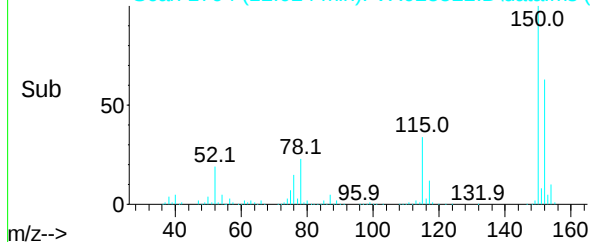
152 100

115 56.9 43.3 129.8

150 157.4 0.0 351.2



Abundance Scan 1794 (12.024 min): VX025522.D\data.ms (-1745) (-)



Abundance Scan 1666 (11.244 min): VX025183.D\data.ms (-1676) (-)

1,2,3-Trichloropropane

Concen: 24.49 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025522.D

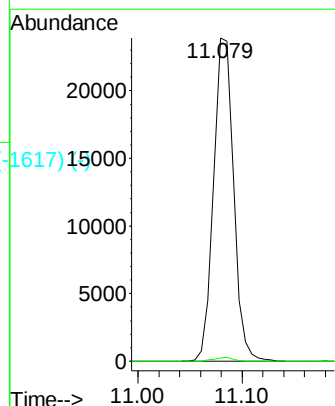
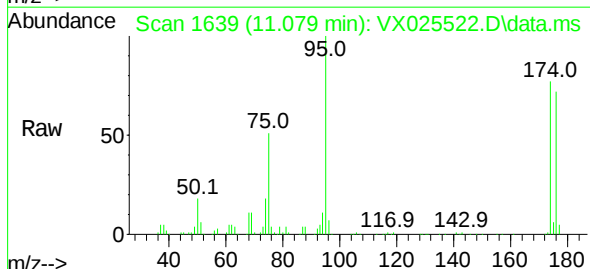
Acq: 04 Dec 2021 15:20

Tgt Ion: 75 Resp: 32069

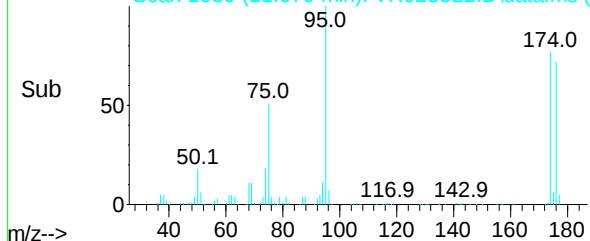
Ion Ratio Lower Upper

75 100

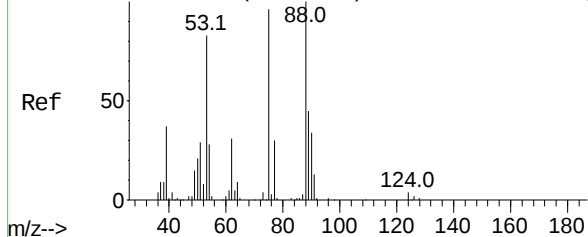
77 1.1 20.0 59.9#



Abundance Scan 1639 (11.079 min): VX025522.D\data.ms (-1617) (-)



Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1629)



trans-1,4-Dichloro-2-butene
Concen: 61.69 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025522.D
Acq: 04 Dec 2021 15:20

Instrument :
MSVOA_X
ClientSampleId :
TB02-20211202

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	81.9	122.9#
89	0.0	38.2	57.2#

