

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025521.D
 Acq On : 04 Dec 2021 14:57
 Operator : JC/MD
 Sample : M4923-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB01-20211201

Quant Time: Dec 06 01:02:26 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)

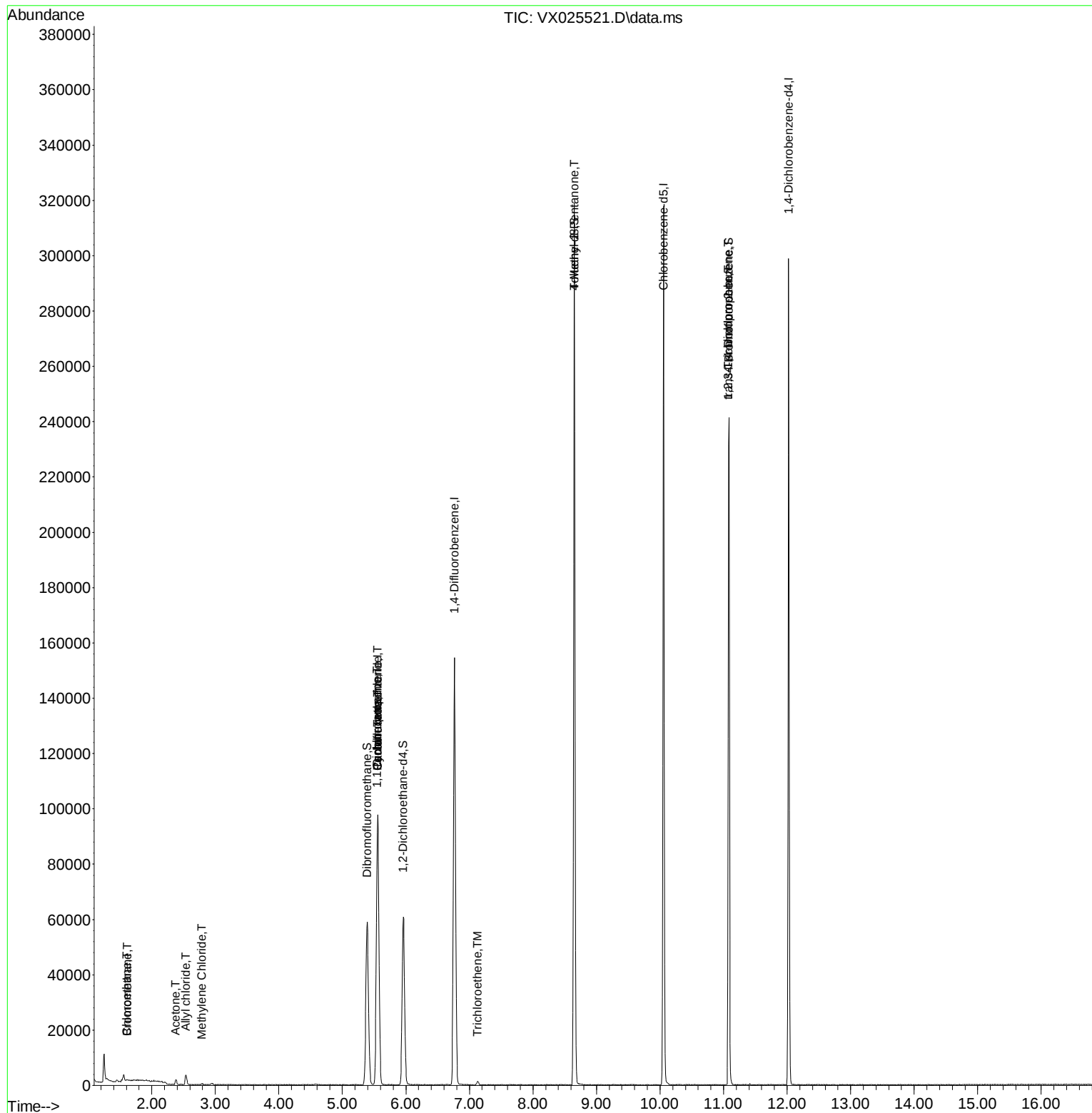
Internal Standards						
1) Pentafluorobenzene	5.556	168	98180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	164025	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	62003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58378	56.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	=	112.82%	
35) Dibromofluoromethane	5.391	113	51208	50.88	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	=	101.76%	
50) Toluene-d8	8.653	98	188312	49.77	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.085	95	65190	45.54	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	=	91.08%	
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	177	0.36 ug/l	#	54
6) Chloroethane	1.605	64	1428	1.79 ug/l	#	43
11) Tert butyl alcohol	2.941	59	424	Below Cal	#	72
14) Allyl chloride	2.532	41	334	0.20 ug/l	#	54
16) Acetone	2.380	43	1959	3.41 ug/l		99
20) Methylene Chloride	2.788	84	222	0.21 ug/l	#	70
31) Cyclohexane	5.556	56	1816	1.14 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	6891	4.82 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	9429	5.98 ug/l	#	17
44) Trichloroethene	7.129	130	575	0.46 ug/l		84
51) 4-Methyl-2-Pentanone	8.653	43	763	0.45 ug/l	#	1
76) 1,2,3-Trichloropropane	11.079	75	31852	25.09 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31852	63.20 ug/l	#	9
95) Naphthalene	13.792	128	104	Below Cal	#	69

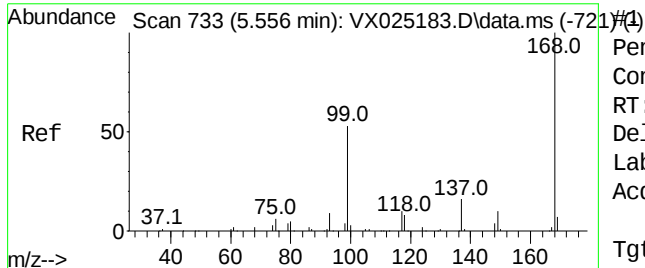
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX025521.D

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Instrument :

MSVOA_X

ClientSampleId :

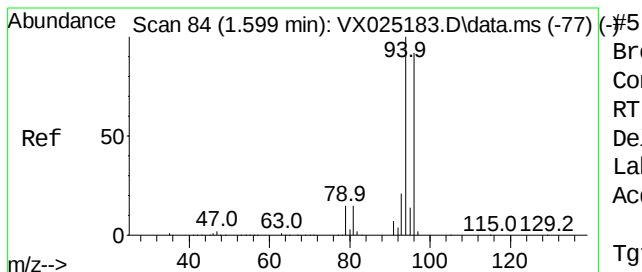
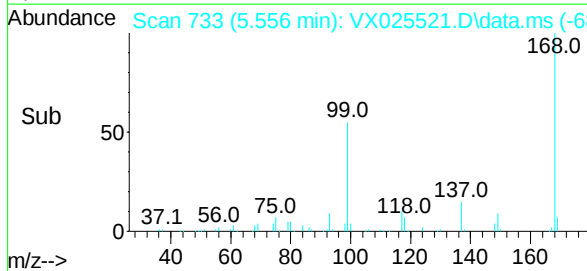
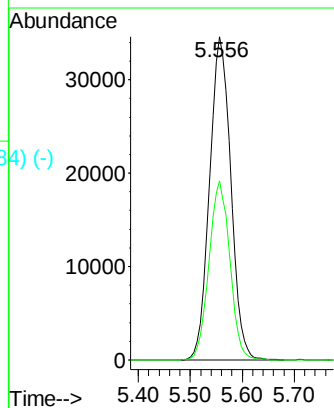
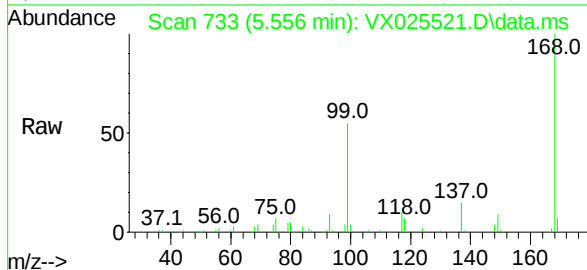
TB01-20211201

Tgt Ion:168 Resp: 98180

Ion Ratio Lower Upper

168 100

99 55.4 46.4 69.6



Bromomethane

Concen: 0.36 ug/l

RT: 1.618 min Scan# 87

Delta R.T. 0.019 min

Lab File: VX025521.D

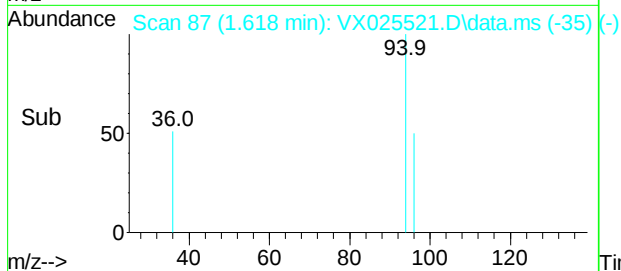
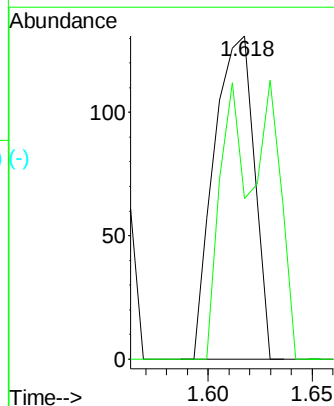
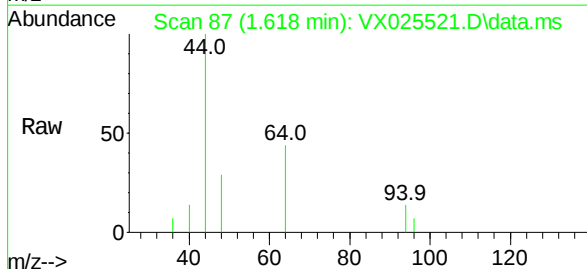
Acq: 04 Dec 2021 14:57

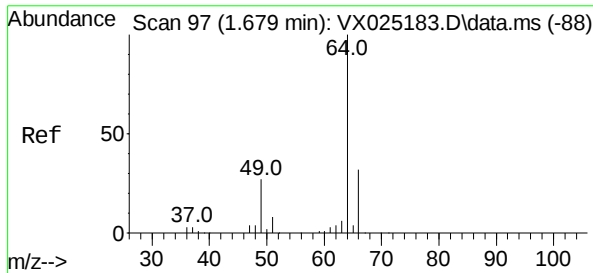
Tgt Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 49.6 74.8 112.2#





Chloroethane

Concen: 1.79 ug/l

RT: 1.605 min Scan# 85

Delta R.T. -0.074 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :

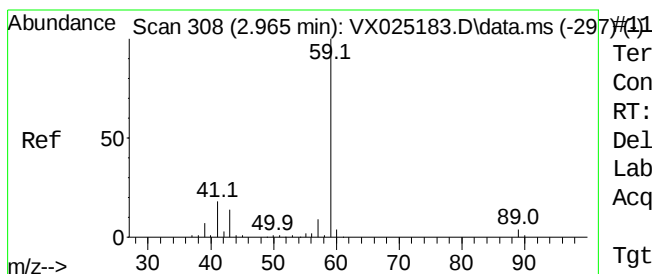
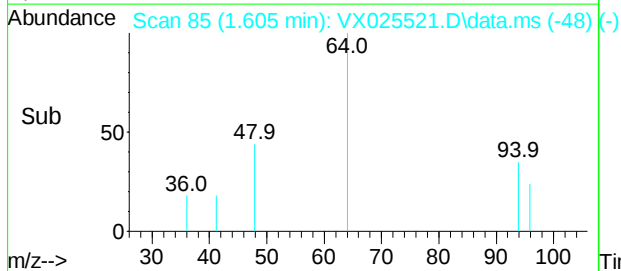
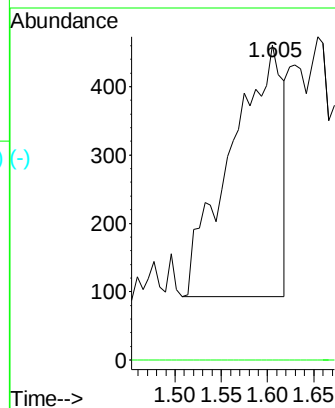
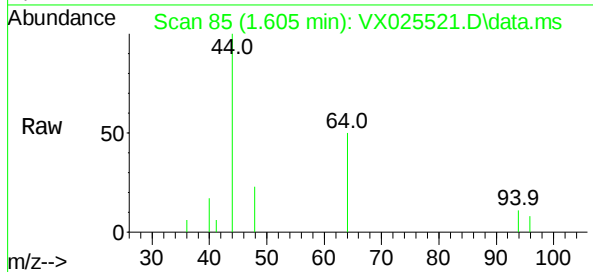
TB01-20211201

Tgt Ion: 64 Resp: 1428

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX025521.D

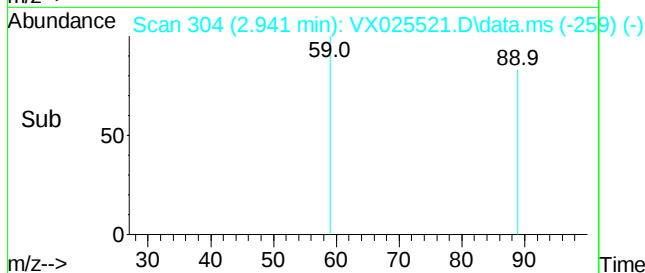
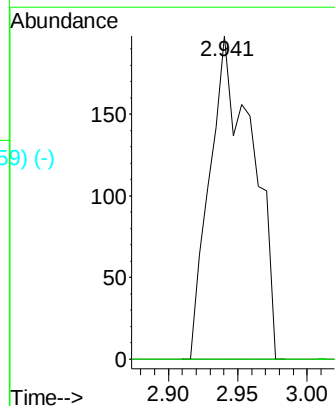
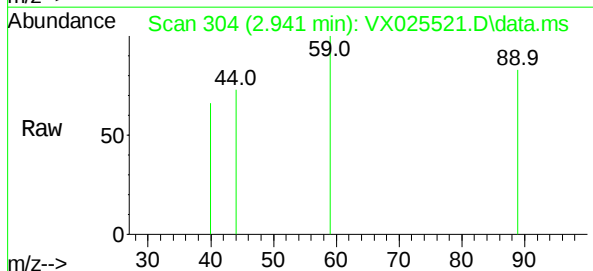
Acq: 04 Dec 2021 14:57

Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Scan 258 (2.660 min): VX025183.D\data.ms (-244)#14

Allyl chloride

Concen: 0.20 ug/l

RT: 2.532 min Scan# 212

Delta R.T. -0.128 min

Lab File: VX025521.D

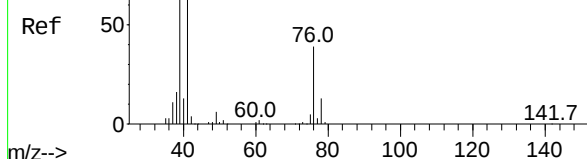
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Instrument :

MSVOA_X

ClientSampleId :

TB01-20211201



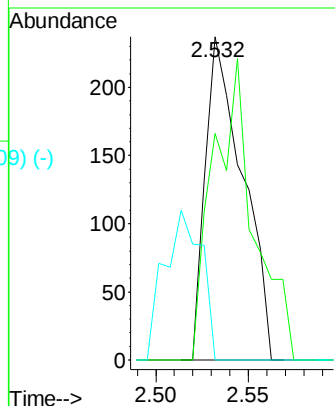
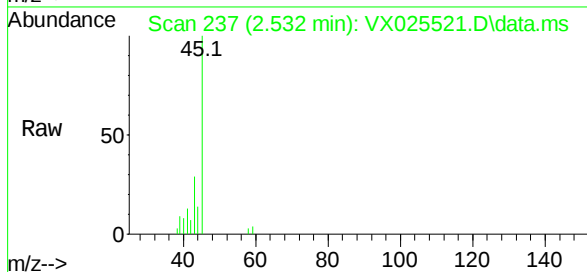
Tgt Ion: 41 Resp: 334

Ion Ratio Lower Upper

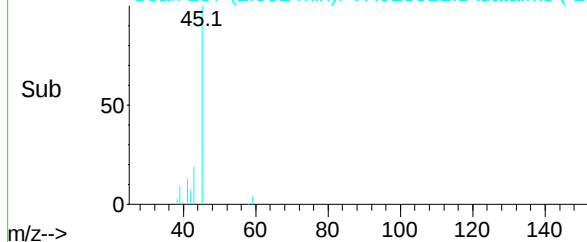
41 100

39 101.5 54.6 82.0#

76 0.0 25.3 37.9#



Abundance Scan 237 (2.532 min): VX025521.D\data.ms (-209) (-)



Abundance Scan 212 (2.380 min): VX025183.D\data.ms (-205)#16

Acetone

Concen: 3.41 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX025521.D

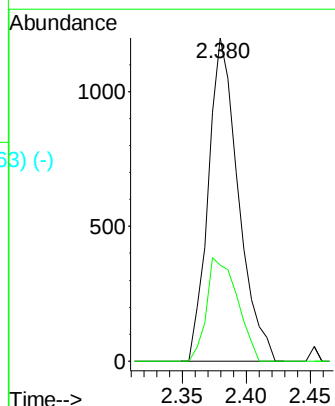
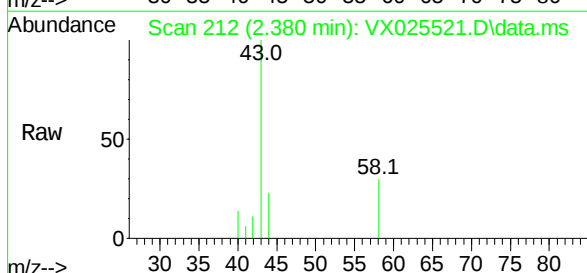
Acq: 04 Dec 2021 14:57

Tgt Ion: 43 Resp: 1959

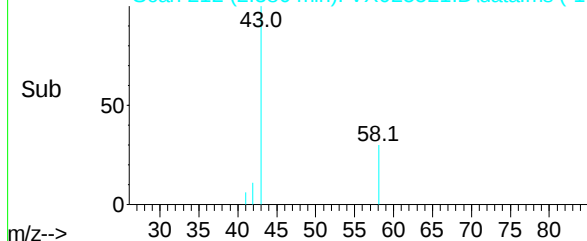
Ion Ratio Lower Upper

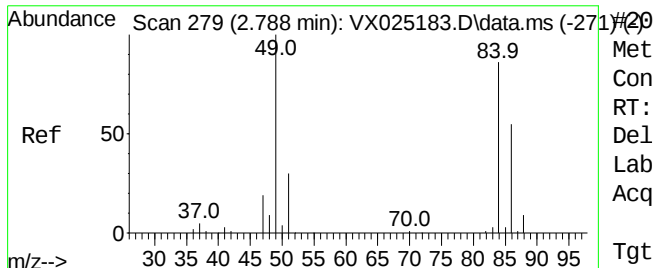
43 100

58 29.6 24.0 36.0



Abundance Scan 212 (2.380 min): VX025521.D\data.ms (-163) (-)





Methylene Chloride

Concen: 0.21 ug/l

RT: 2.788 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :

TB01-20211201

Tgt Ion: 84 Resp: 222

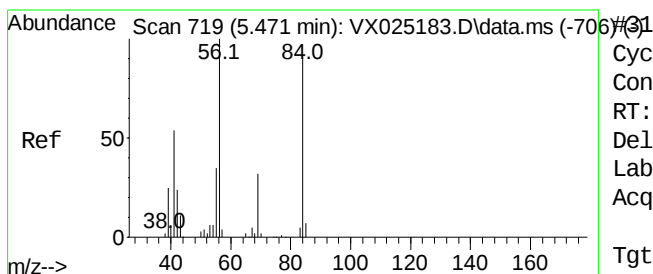
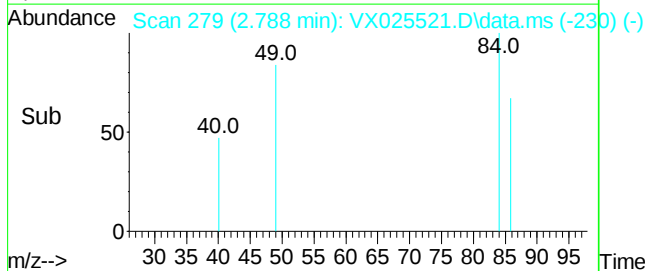
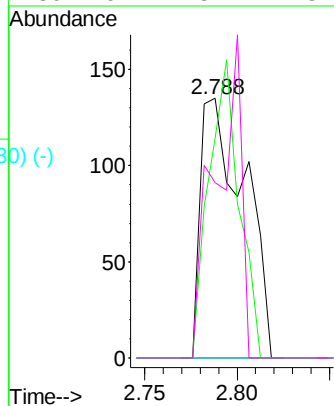
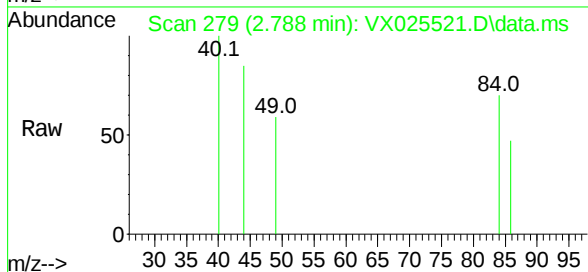
Ion Ratio Lower Upper

84 100

49 84.4 98.2 147.2#

51 0.0 30.2 45.4#

86 67.4 52.2 78.2



Cyclohexane

Concen: 1.14 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

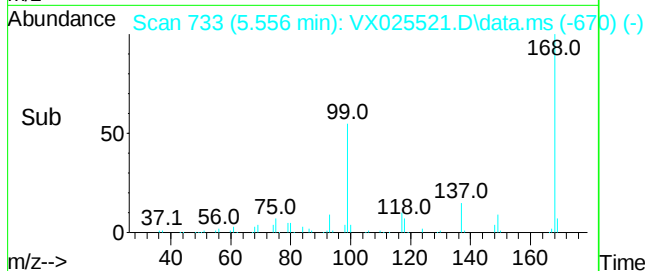
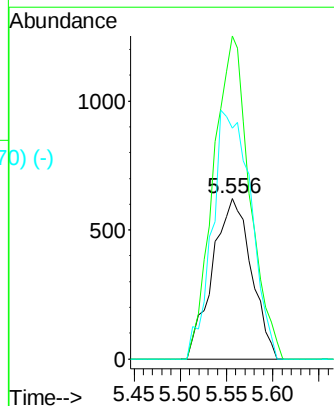
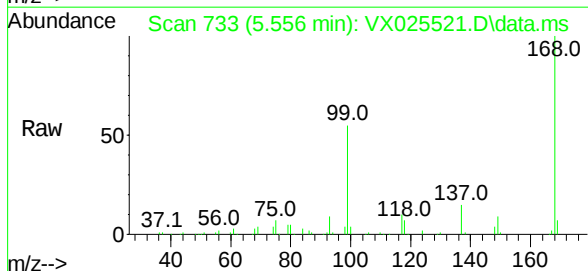
Tgt Ion: 56 Resp: 1816

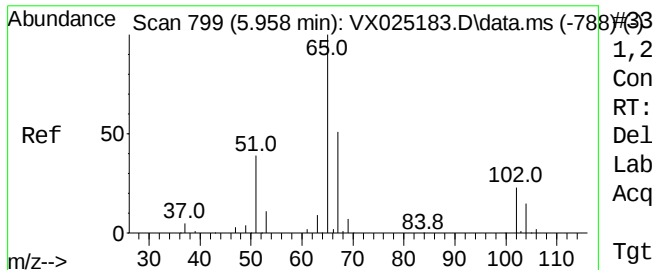
Ion Ratio Lower Upper

56 100

69 201.3 24.2 36.2#

84 143.9 71.5 107.3#

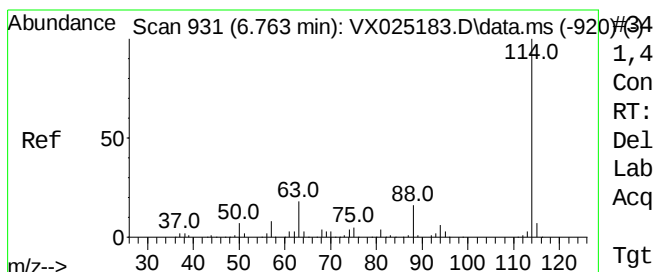
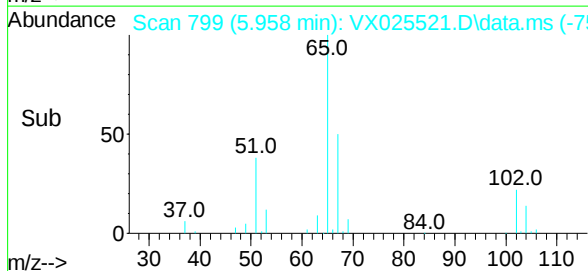
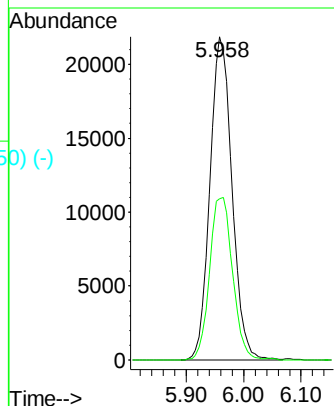
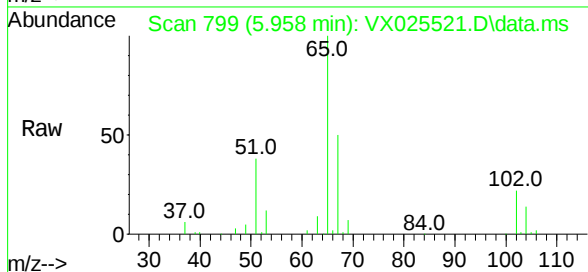




1,2-Dichloroethane-d4
Concen: 56.41 ug/l
RT: 5.958 min Scan#
Delta R.T. 0.000 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

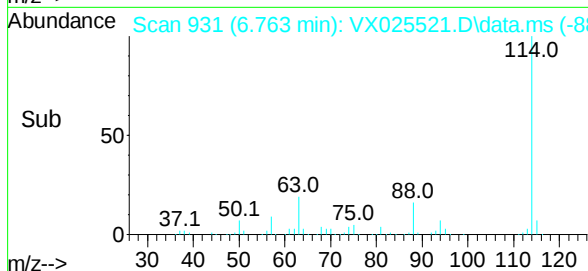
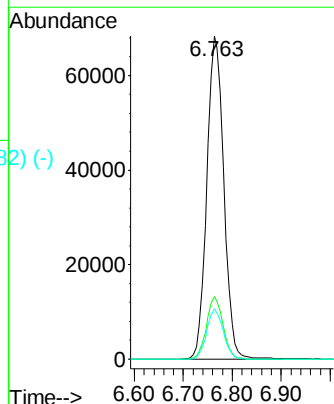
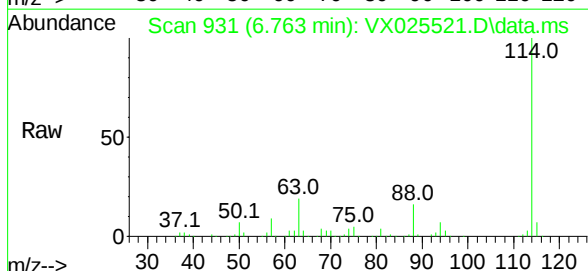
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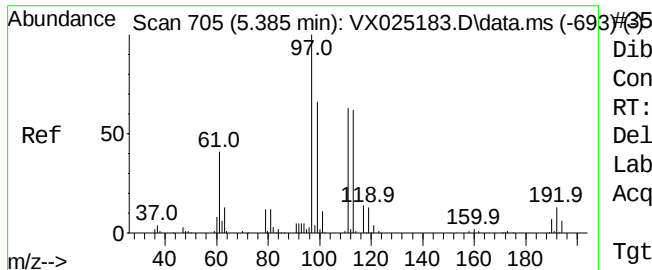
Tgt Ion: 65 Resp: 58378
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.0



1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Tgt Ion:114 Resp: 164025
Ion Ratio Lower Upper
114 100
63 19.3 0.0 41.0
88 15.6 0.0 34.8

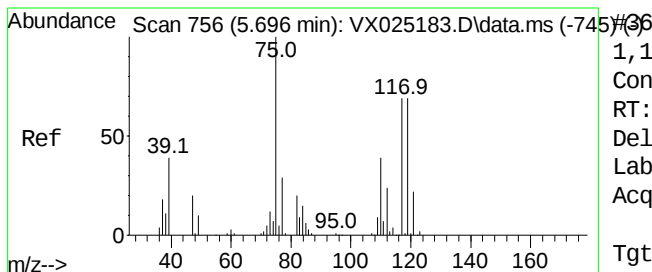
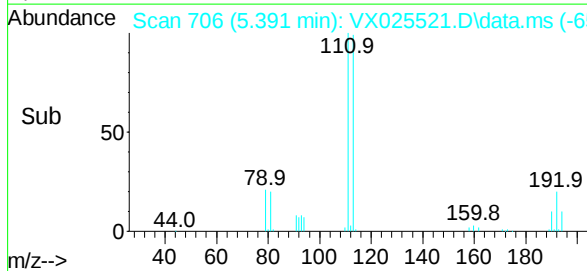
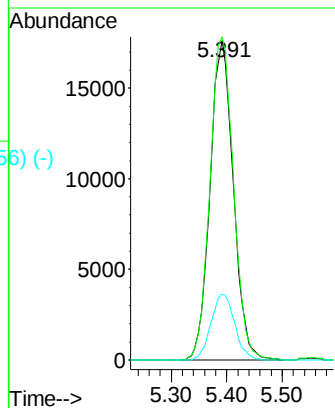
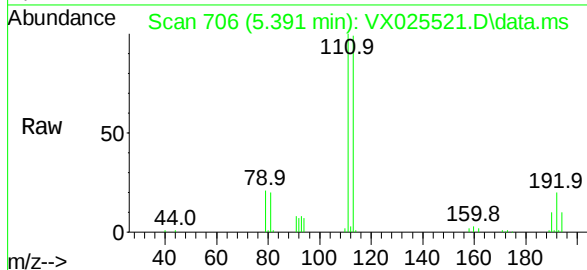




Dibromofluoromethane
Concen: 50.88 ug/l
RT: 5.391 min Scan# 732
Delta R.T. 0.006 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

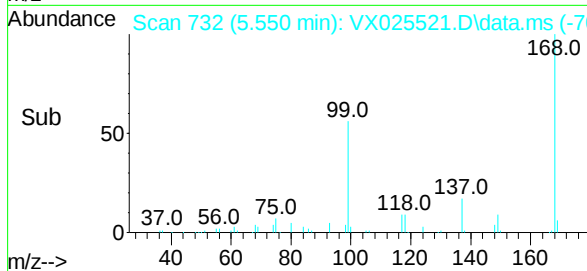
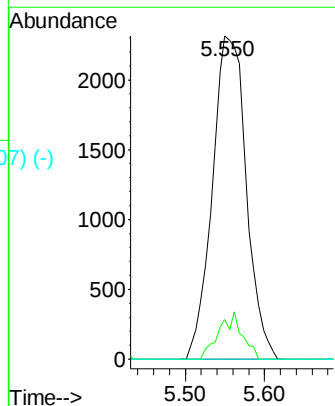
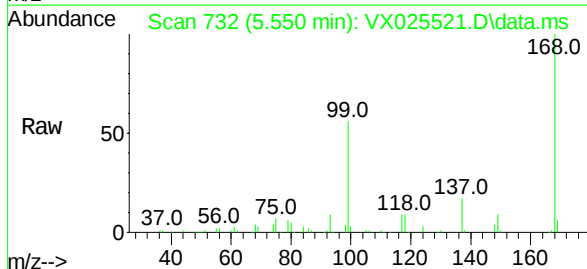
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Tgt Ion:	113	Resp:	51208
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	20.9	15.6	23.4



1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Tgt Ion:	75	Resp:	6891
Ion	Ratio	Lower	Upper
75	100		
110	10.0	18.1	54.3#
77	0.0	24.4	36.6#



Abundance Scan 753 (5.678 min): VX025183.D\data.ms (-742) #38

Carbon Tetrachloride

Concen: 5.98 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.122 min

Lab File: VX025521.D

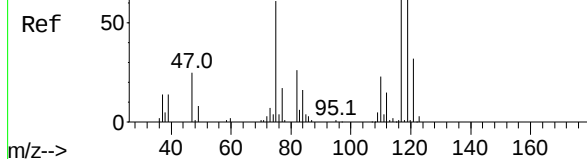
Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :

TB01-20211201



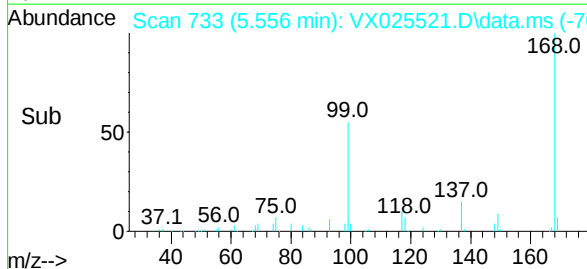
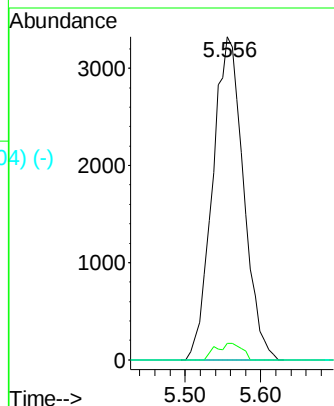
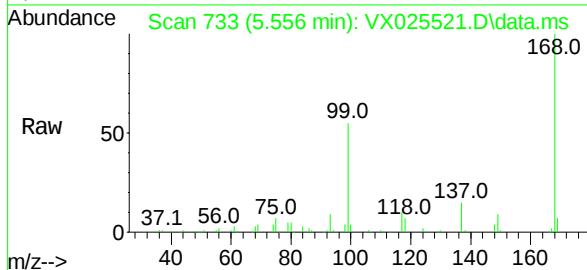
Tgt Ion:117 Resp: 9429

Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 23.7 35.5#



Abundance Scan 991 (7.129 min): VX025183.D\data.ms (-981) #44

Trichloroethene

Concen: 0.46 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025521.D

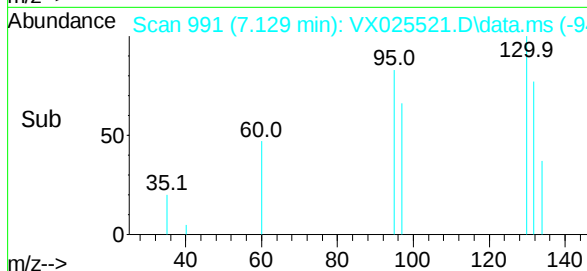
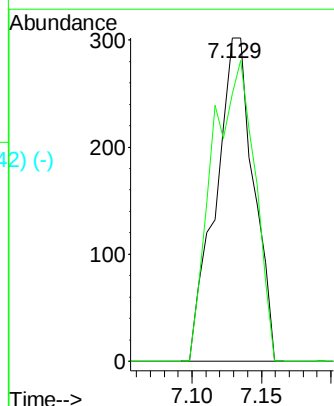
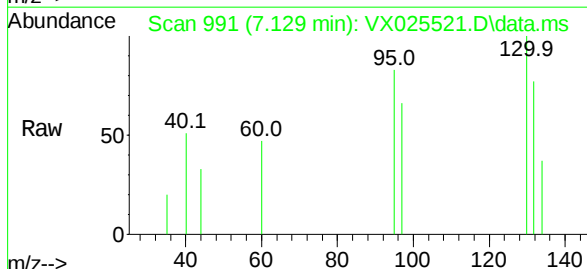
Acq: 04 Dec 2021 14:57

Tgt Ion:130 Resp: 575

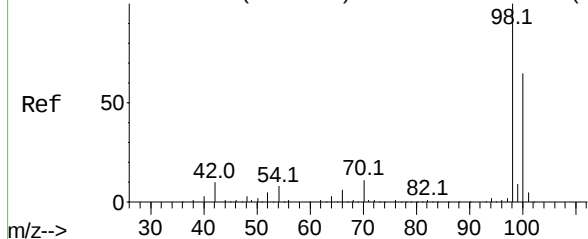
Ion Ratio Lower Upper

130 100

95 82.8 0.0 196.8



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



Toluene-d8

Concen: 49.77 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :

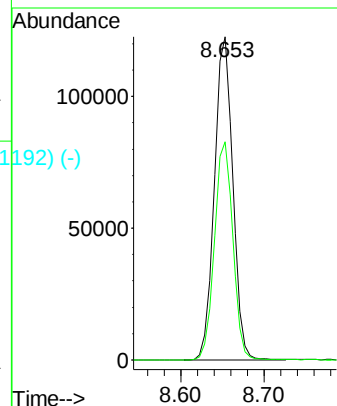
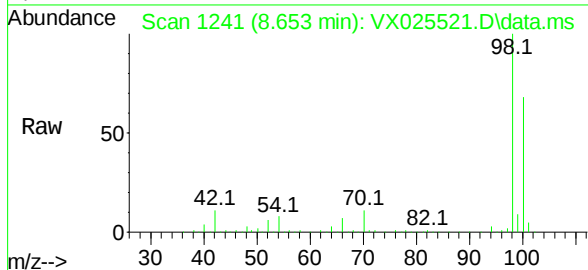
TB01-20211201

Tgt Ion: 98 Resp: 188312

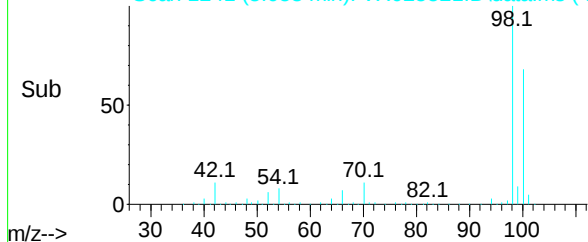
Ion Ratio Lower Upper

98 100

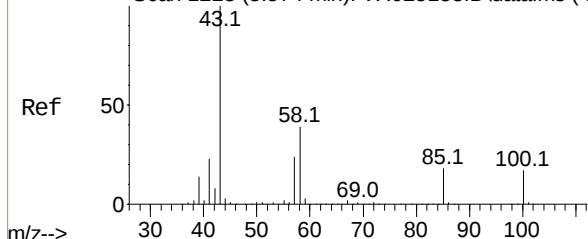
100 67.4 51.4 77.0



Abundance Scan 1241 (8.653 min): VX025521.D\data.ms (-1192) (-)



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



4-Methyl-2-Pentanone

Concen: 0.45 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.079 min

Lab File: VX025521.D

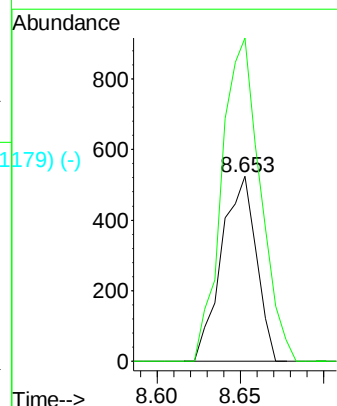
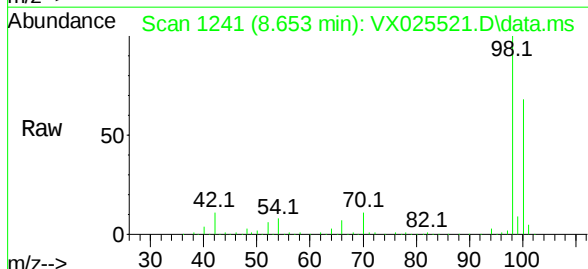
Acq: 04 Dec 2021 14:57

Tgt Ion: 43 Resp: 763

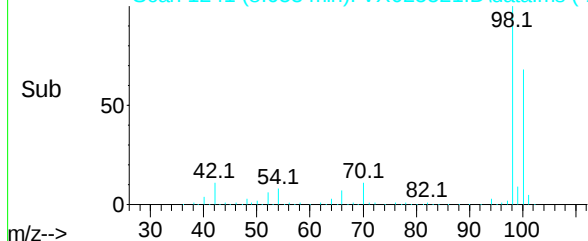
Ion Ratio Lower Upper

43 100

58 193.7 30.9 46.3#



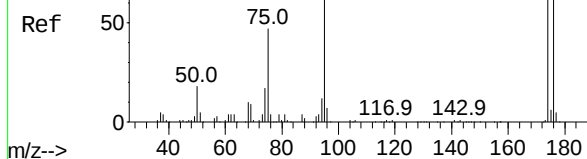
Abundance Scan 1241 (8.653 min): VX025521.D\data.ms (-1179) (-)



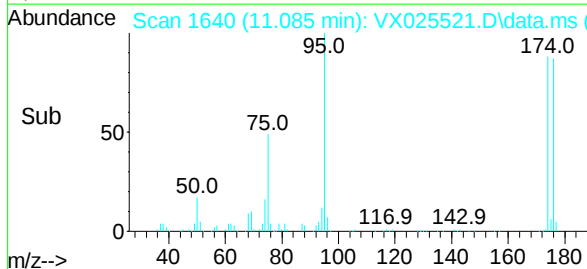
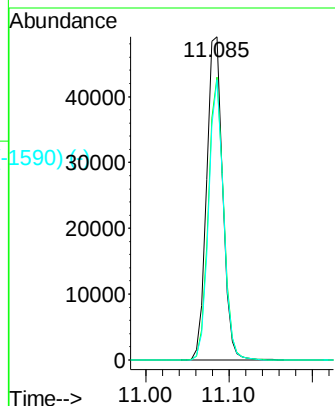
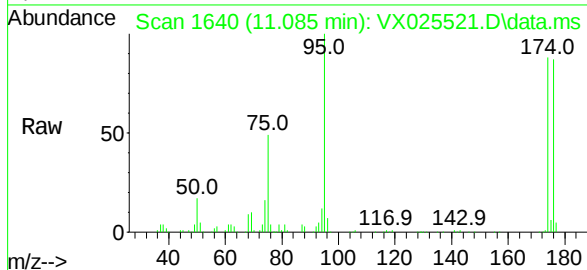
Abundance Scan 1639 (11.079 min): VX025183.D\data.ms (-1639) (-)

4-Bromofluorobenzene
Concen: 45.54 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57

Instrument :
MSVOA_X
ClientSampleId :
TB01-20211201

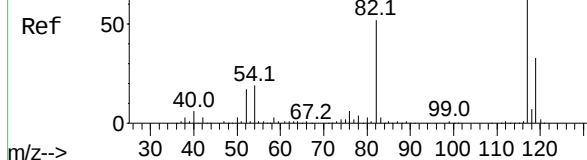


Tgt Ion:	95	Resp:	65190
Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	158.0
176	80.6	0.0	153.6

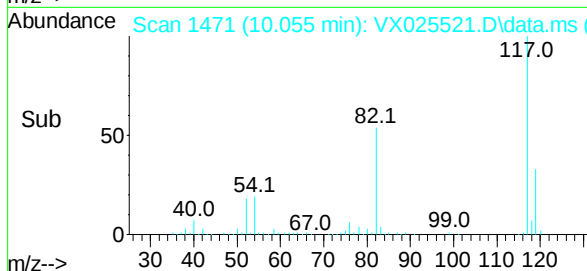
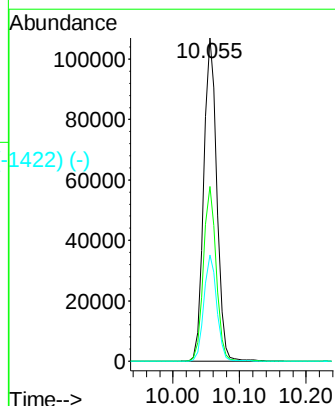
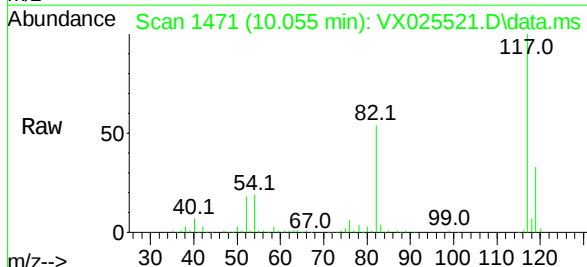


Abundance Scan 1471 (10.055 min): VX025183.D\data.ms (-1469) (-)

Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025521.D
Acq: 04 Dec 2021 14:57



Tgt Ion:	117	Resp:	146113
Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.6	67.0
119	32.8	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: VX025521.D

Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :

TB01-20211201

Tgt Ion:152 Resp: 62003

Ion Ratio Lower Upper

152 100

115 58.0 43.3 129.8

150 158.6 0.0 351.2

Abundance Scan 1794 (12.024 min): VX025521.D\data.ms

Ref

52.0 78.0 98.9 119.1 150.0

m/z-->

Abundance Scan 1794 (12.024 min): VX025521.D\data.ms

Raw

52.1 78.0 96.0 115.0 131.9 150.0

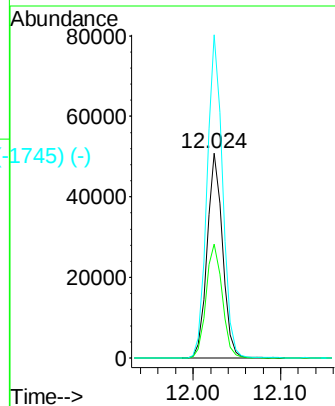
m/z-->

Abundance Scan 1794 (12.024 min): VX025521.D\data.ms (-1745) (-)

Sub

52.1 78.0 96.0 115.0 131.9 150.0

m/z-->



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

1,2,3-Trichloropropane

Concen: 25.09 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Tgt Ion: 75 Resp: 31852

Ion Ratio Lower Upper

75 100

77 1.3 20.0 59.9#

Abundance Scan 1639 (11.079 min): VX025521.D\data.ms

Ref

39.0 75.0 110.0 145.9

m/z-->

Abundance Scan 1639 (11.079 min): VX025521.D\data.ms

Raw

50.0 75.0 95.0 116.9 141.0 174.0

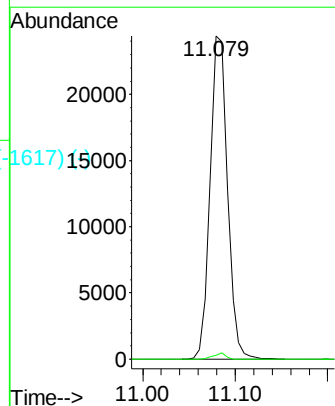
m/z-->

Abundance Scan 1639 (11.079 min): VX025521.D\data.ms (-1617) (-)

Sub

50.0 75.0 95.0 116.9 142.9 174.0

m/z-->



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

trans-1,4-Dichloro-2-butene

Concen: 63.20 ug/l

RT: 11.079 min Scan# 1629

Delta R.T. 0.061 min

Lab File: VX025521.D

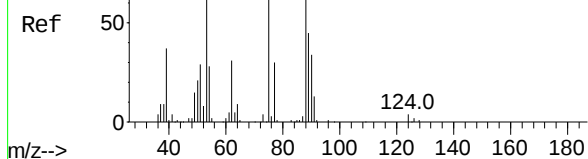
Acq: 04 Dec 2021 14:57

Instrument :

MSVOA_X

ClientSampleId :

TB01-20211201



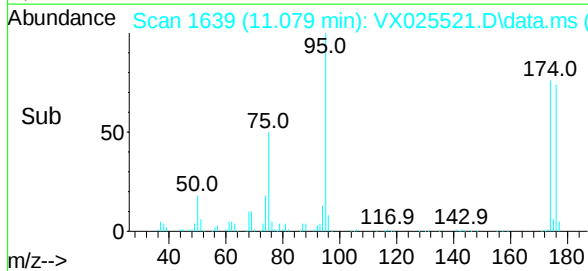
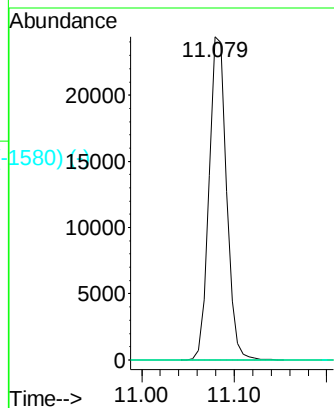
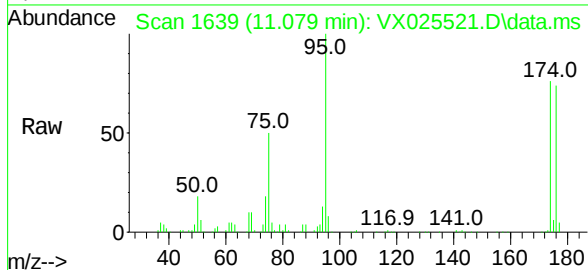
Tgt Ion: 75 Resp: 31852

Ion Ratio Lower Upper

75 100

53 0.0 81.9 122.9#

89 0.0 38.2 57.2#



Abundance Scan 2082 (13.780 min): VX025183.D\data.ms (-2082) (-)

Naphthalene

Concen: Below Cal

RT: 13.792 min Scan# 2084

Delta R.T. 0.012 min

Lab File: VX025521.D

Acq: 04 Dec 2021 14:57

Tgt Ion:128 Resp: 104

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

