

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120421\
 Data File : VX025514.D
 Acq On : 04 Dec 2021 12:04
 Operator : JC/MD
 Sample : VX1204WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

Quant Time: Dec 06 01:00:43 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)

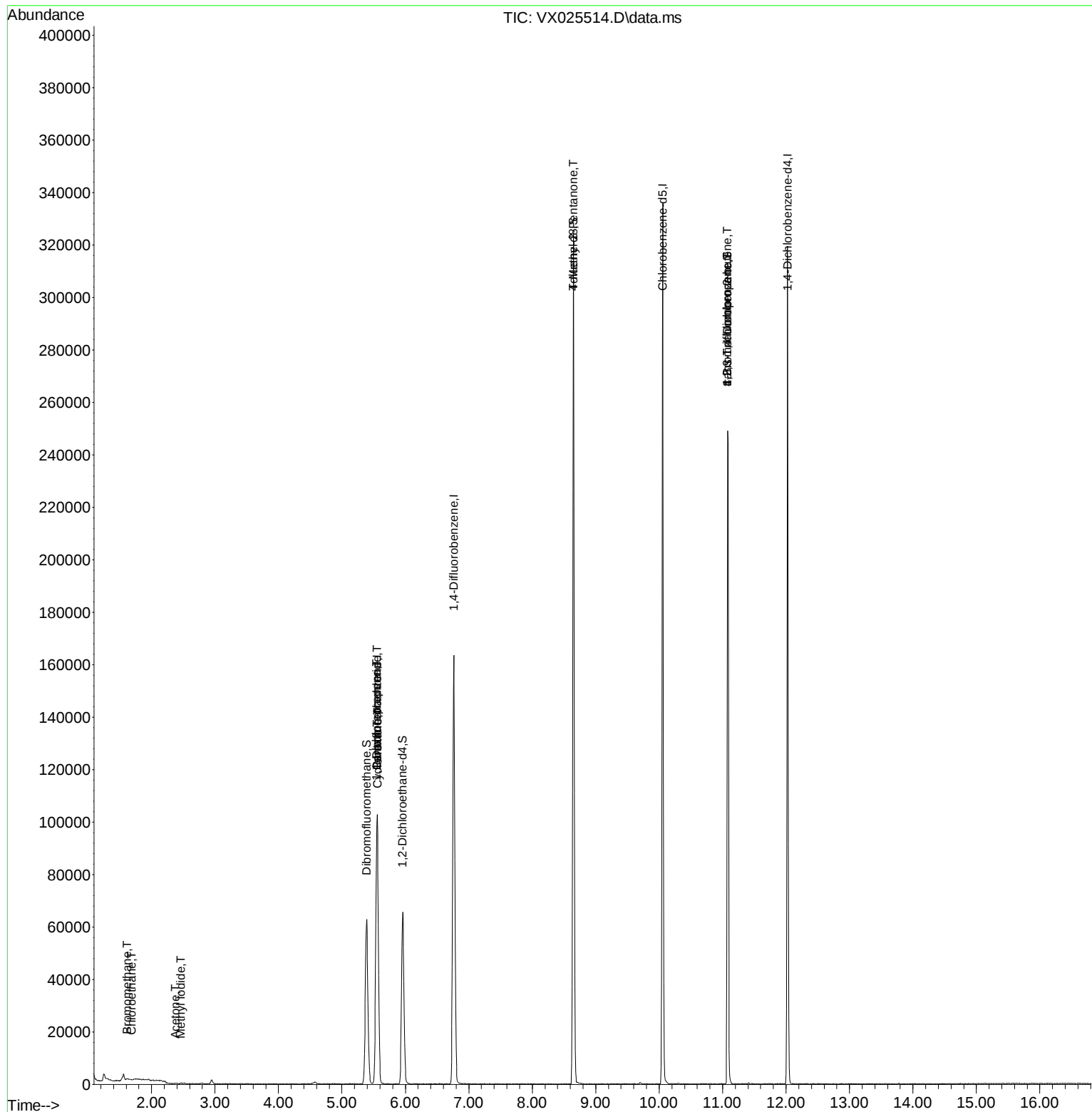
Internal Standards						
1) Pentafluorobenzene	5.556	168	104332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	175000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67484	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	61448	55.88	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.76%			
35) Dibromofluoromethane	5.391	113	54312	50.58	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.16%			
50) Toluene-d8	8.647	98	201077	49.81	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.62%			
62) 4-Bromofluorobenzene	11.079	95	68118	44.60	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.20%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	247	0.47 ug/l	#	58
6) Chloroethane	1.685	64	271	0.32 ug/l	#	43
10) Methyl Iodide	2.465	142	318	0.26 ug/l	#	80
11) Tert butyl alcohol	2.947	59	938	Below Cal	#	72
16) Acetone	2.374	43	469	0.77 ug/l	#	88
31) Cyclohexane	5.562	56	1946	1.15 ug/l	#	9
36) 1,1-Dichloropropene	5.550	75	7280	4.77 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	9967	5.93 ug/l	#	16
51) 4-Methyl-2-Pentanone	8.647	43	857	0.47 ug/l	#	1
76) 1,2,3-Trichloropropane	11.079	75	33621	24.33 ug/l	#	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33621	61.29 ug/l	#	9
95) Naphthalene	13.780	128	109	Below Cal	#	69

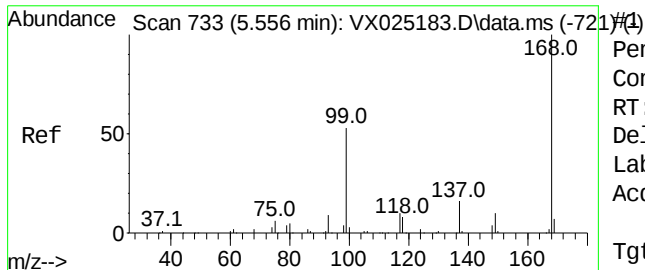
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 01:00:43 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





Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

Instrument :

MSVOA_X

ClientSampleId :

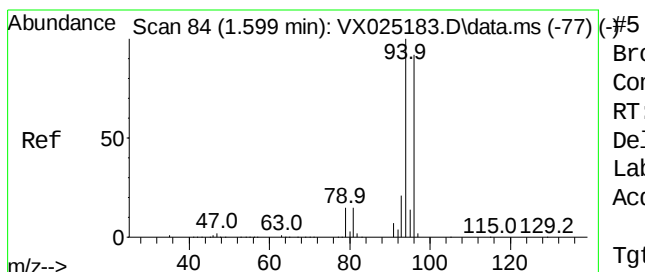
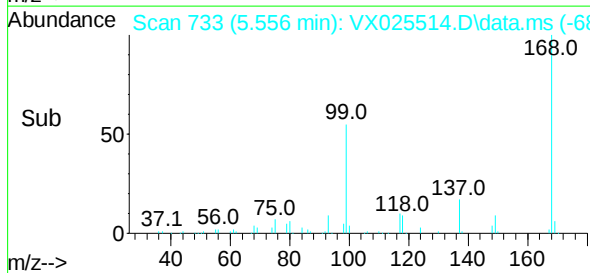
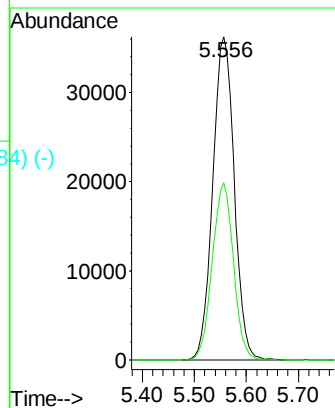
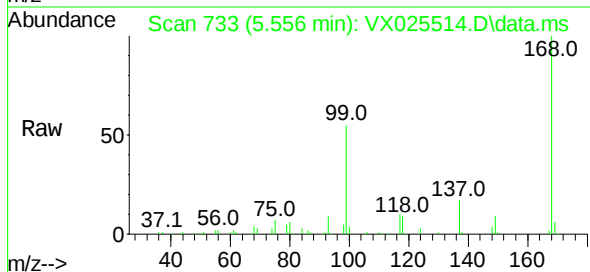
VX1204WBL01

Tgt Ion:168 Resp: 104332

Ion Ratio Lower Upper

168 100

99 54.8 46.4 69.6



Bromomethane

Concen: 0.47 ug/l

RT: 1.612 min Scan# 86

Delta R.T. 0.013 min

Lab File: VX025514.D

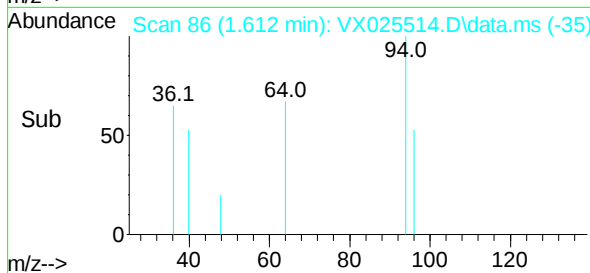
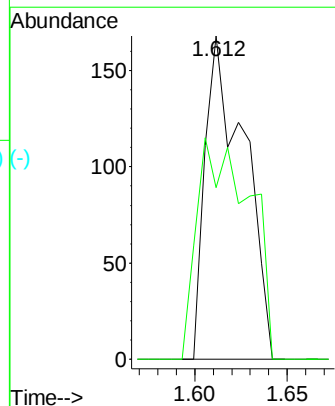
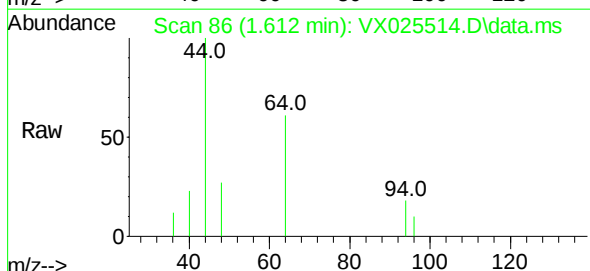
Acq: 04 Dec 2021 12:04

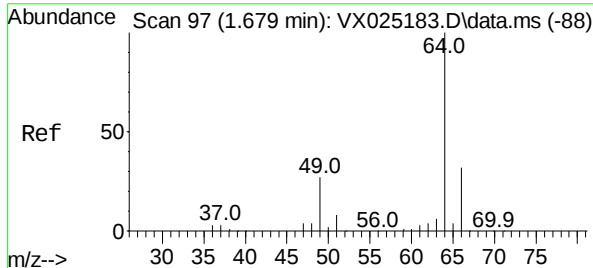
Tgt Ion: 94 Resp: 247

Ion Ratio Lower Upper

94 100

96 53.0 74.8 112.2#





Chloroethane

Concen: 0.32 ug/l

RT: 1.685 min Scan#

Delta R.T. 0.006 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

Instrument :

MSVOA_X

ClientSampleId :

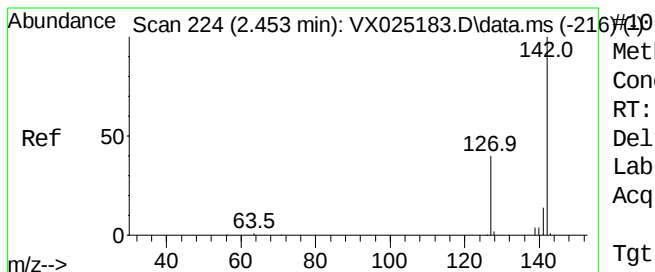
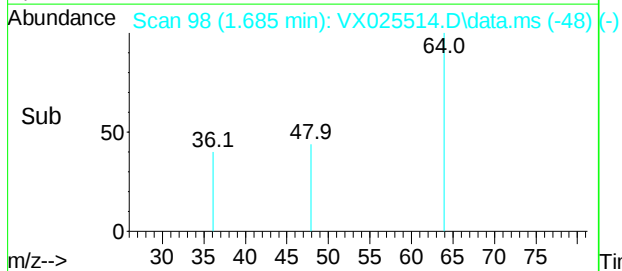
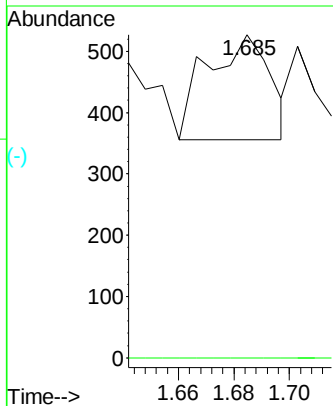
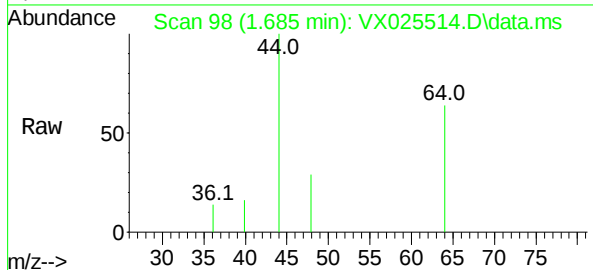
VX1204WBL01

Tgt Ion: 64 Resp: 271

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Methyl Iodide

Concen: 0.26 ug/l

RT: 2.465 min Scan# 226

Delta R.T. 0.012 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

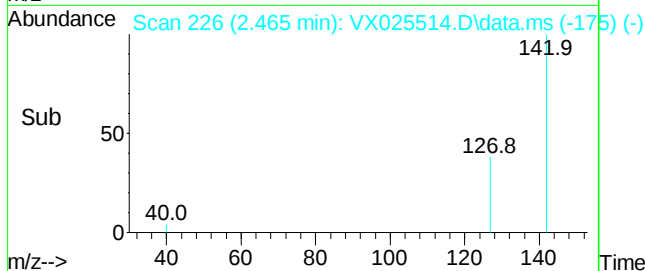
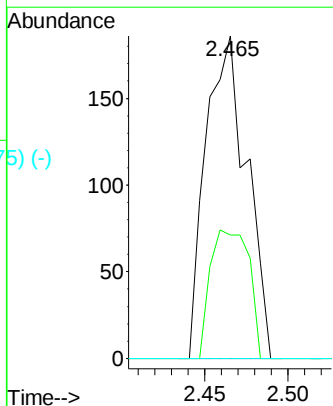
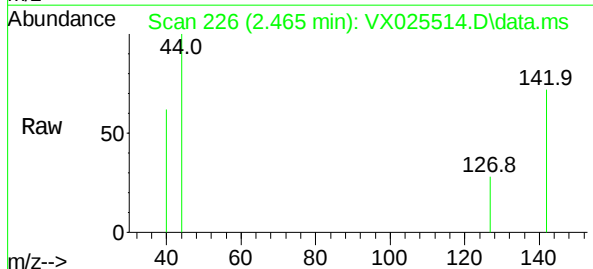
Tgt Ion: 142 Resp: 318

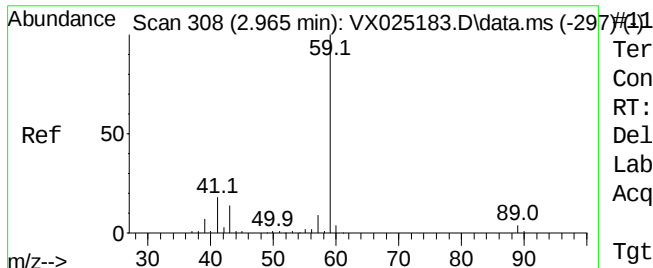
Ion Ratio Lower Upper

142 100

127 37.7 38.9 58.3#

141 0.0 11.7 17.5#

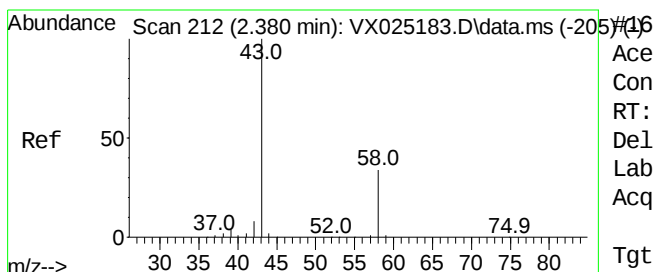
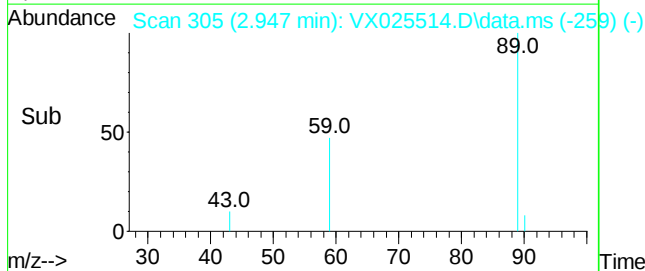
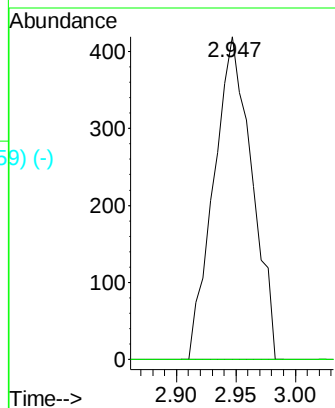
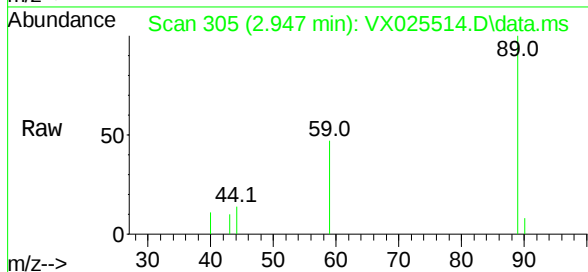




Tert butyl alcohol
 Concen: Below Cal
 RT: 2.947 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX025514.D
 Acq: 04 Dec 2021 12:04

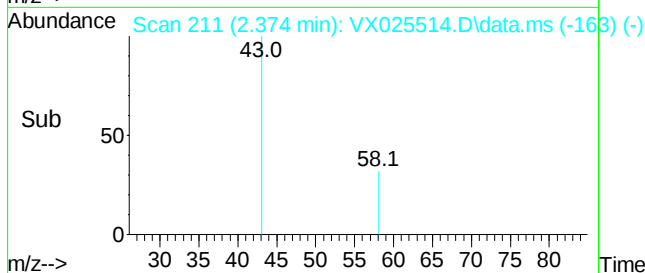
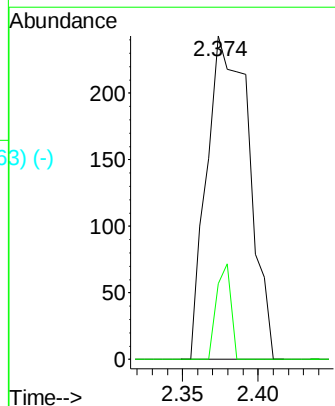
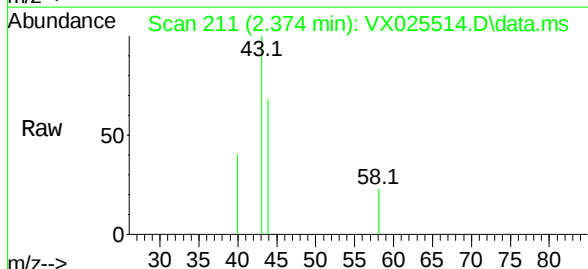
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1204WBL01

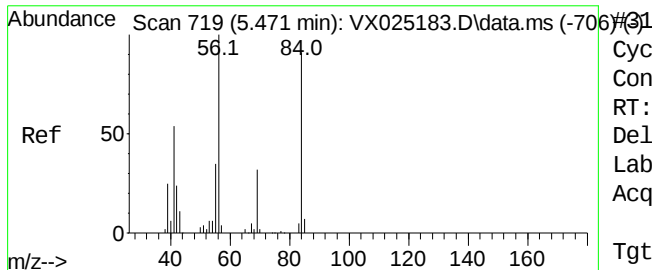
Tgt Ion: 59 Resp: 938
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



Acetone
 Concen: 0.77 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VX025514.D
 Acq: 04 Dec 2021 12:04

Tgt Ion: 43 Resp: 469
 Ion Ratio Lower Upper
 43 100
 58 23.5 24.0 36.0#





Cyclohexane

Concen: 1.15 ug/l

RT: 5.562 min Scan#

Delta R.T. 0.091 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

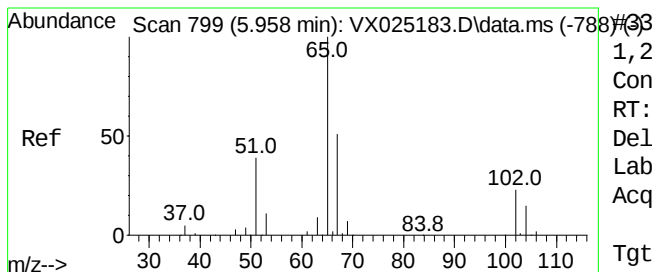
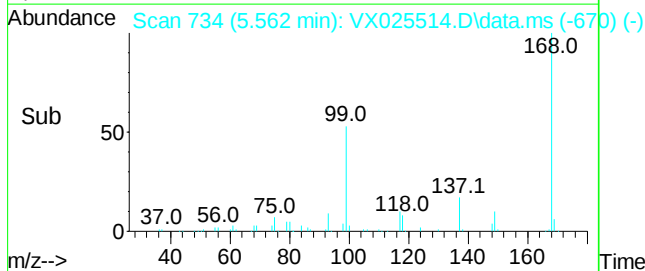
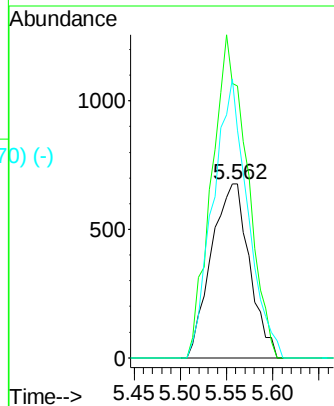
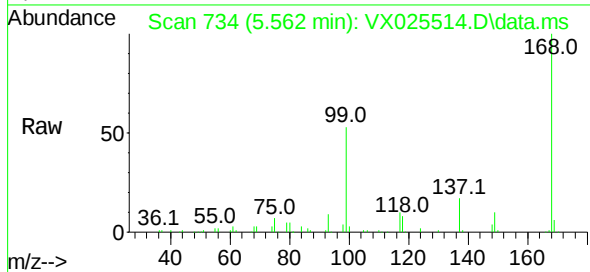
Tgt Ion: 56 Resp: 1946

Ion Ratio Lower Upper

56 100

69 155.9 24.2 36.2#

84 130.8 71.5 107.3#



1,2-Dichloroethane-d4

Concen: 55.88 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025514.D

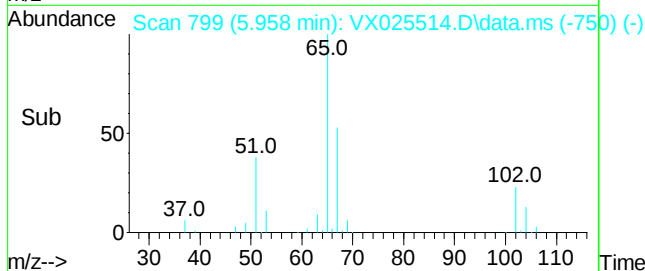
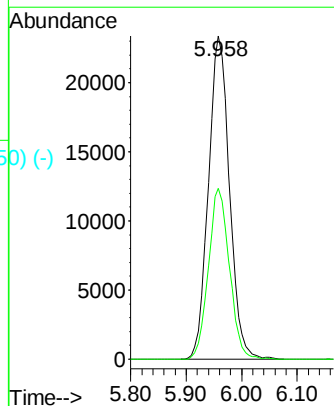
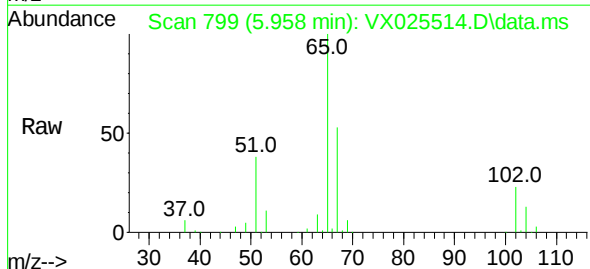
Acq: 04 Dec 2021 12:04

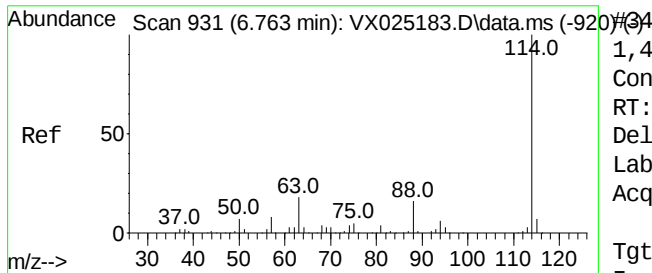
Tgt Ion: 65 Resp: 61448

Ion Ratio Lower Upper

65 100

67 52.7 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: VX025514.D

Acq: 04 Dec 2021 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

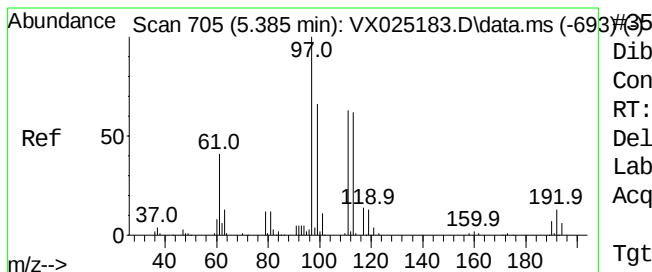
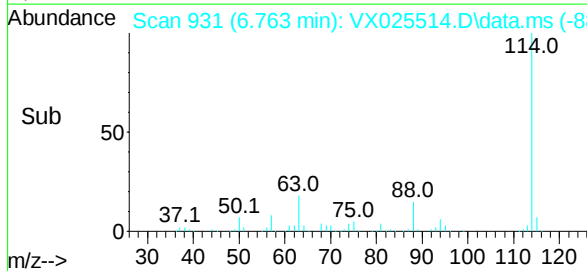
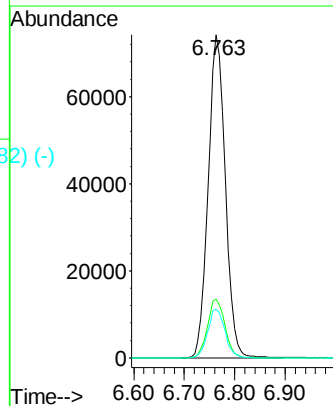
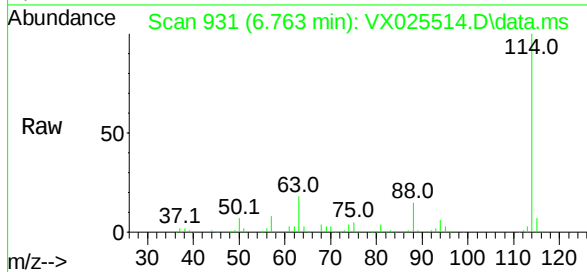
Tgt Ion:114 Resp: 175000

Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.0

88 14.9 0.0 34.8



Dibromofluoromethane

Concen: 50.58 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

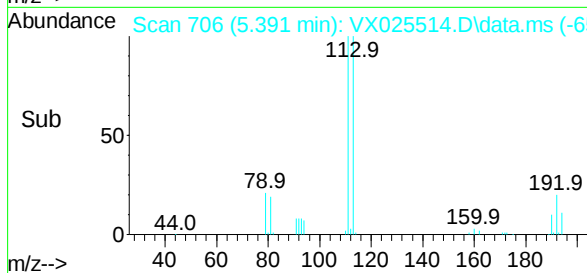
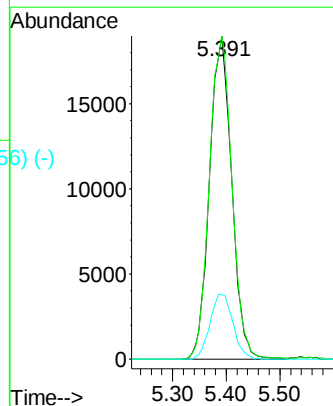
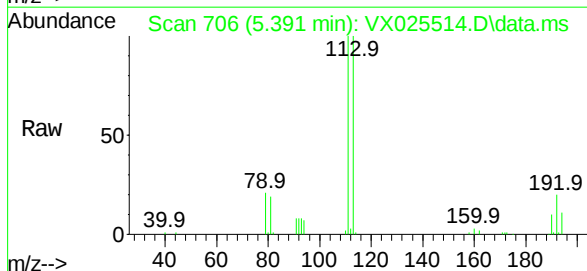
Tgt Ion:113 Resp: 54312

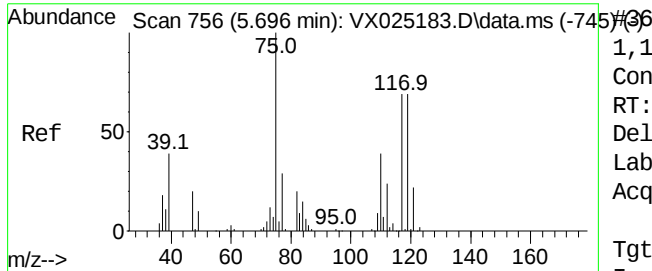
Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

192 20.6 15.6 23.4

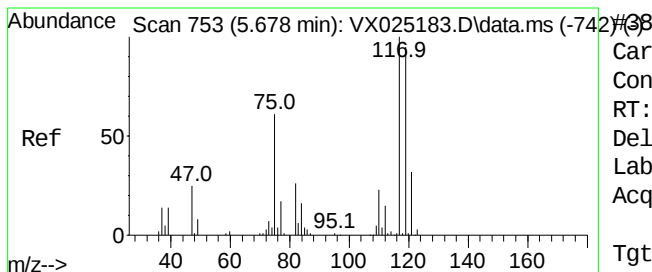
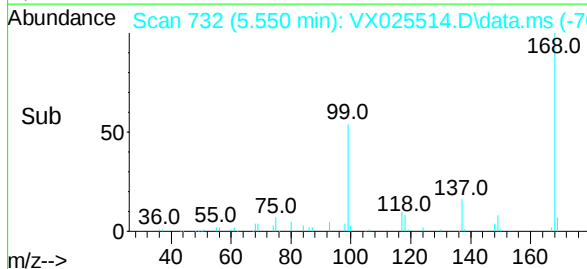
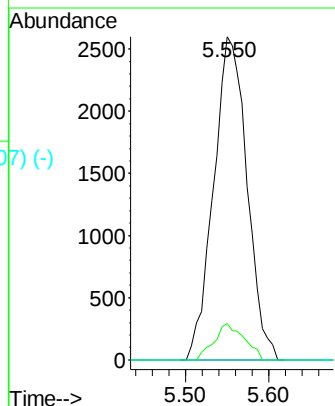
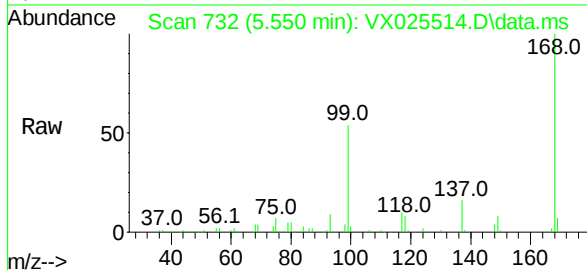




1,1-Dichloropropene
 Concen: 4.77 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.146 min
 Lab File: VX025514.D
 Acq: 04 Dec 2021 12:04

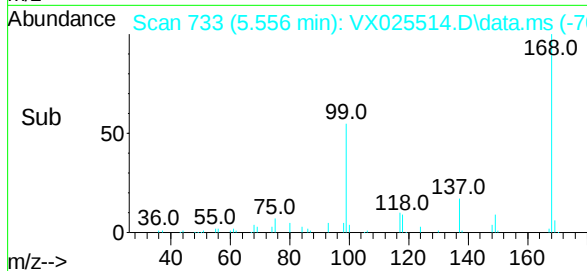
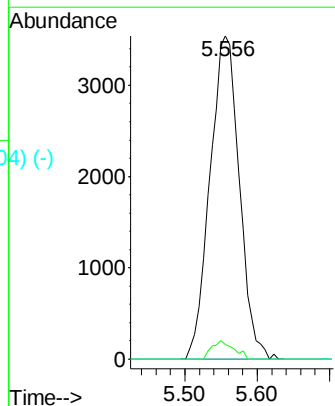
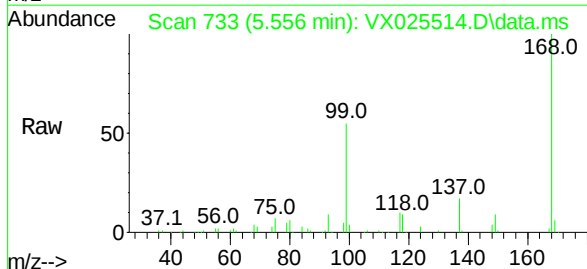
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Tgt Ion:	75	Resp:	7280
Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.1	54.3#
77	0.0	24.4	36.6#

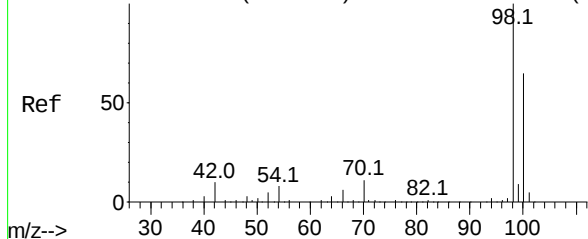


Carbon Tetrachloride
 Concen: 5.93 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.122 min
 Lab File: VX025514.D
 Acq: 04 Dec 2021 12:04

Tgt Ion:	117	Resp:	9967
Ion	Ratio	Lower	Upper
117	100		
119	4.6	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: 49.81 ug/l

RT: 8.647 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

Instrument :

MSVOA_X

ClientSampleId :

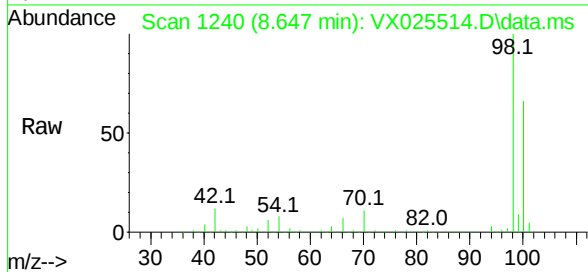
VX1204WBL01

Tgt Ion: 98 Resp: 201077

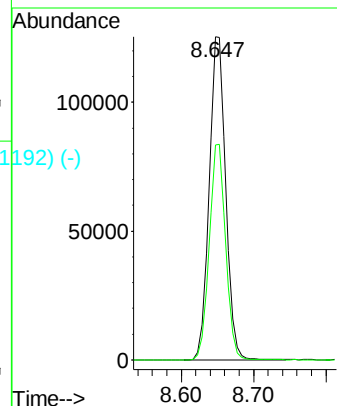
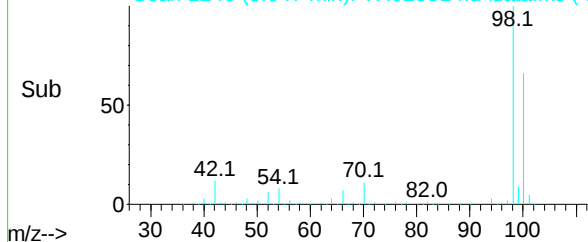
Ion Ratio Lower Upper

98 100

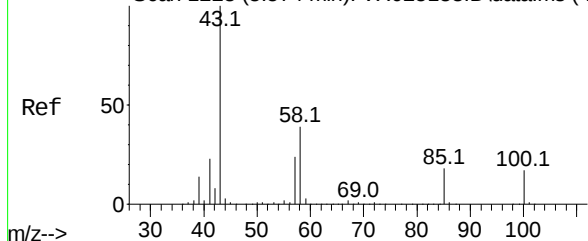
100 66.3 51.4 77.0



Abundance Scan 1240 (8.647 min): VX025514.D\data.ms (-1192)



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



4-Methyl-2-Pentanone

Concen: 0.47 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX025514.D

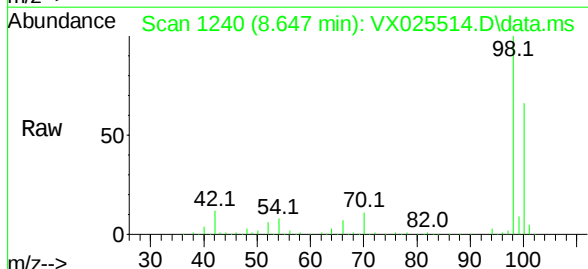
Acq: 04 Dec 2021 12:04

Tgt Ion: 43 Resp: 857

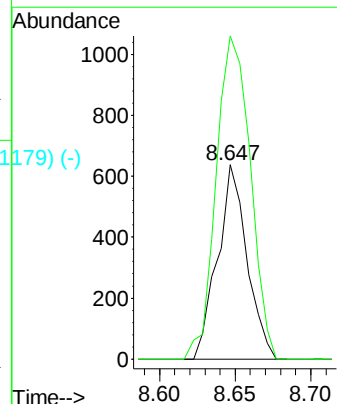
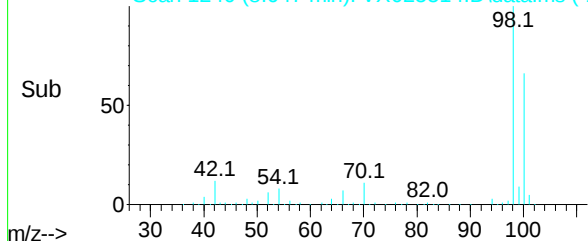
Ion Ratio Lower Upper

43 100

58 193.6 30.9 46.3#



Abundance Scan 1240 (8.647 min): VX025514.D\data.ms (-1179)



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

4-Bromofluorobenzene

Concen: 44.60 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX025514.D

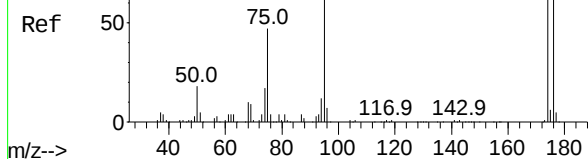
Acq: 04 Dec 2021 12:04

Instrument :

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ClientSampleId :

VX1204WBL01



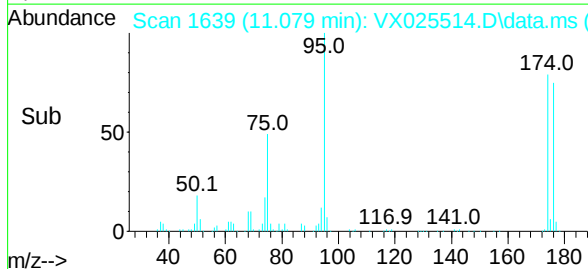
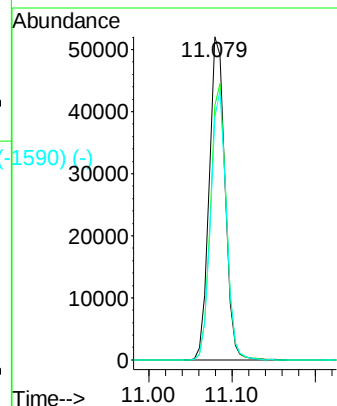
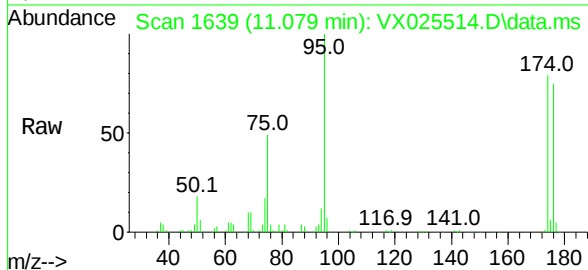
Tgt Ion: 95 Resp: 68118

Ion Ratio Lower Upper

95 100

174 85.3 0.0 158.0

176 82.6 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: VX025514.D

Acq: 04 Dec 2021 12:04

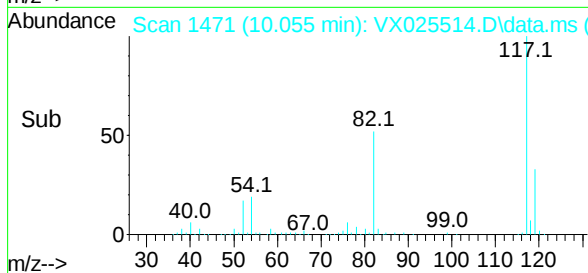
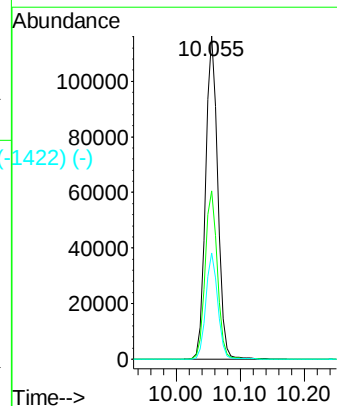
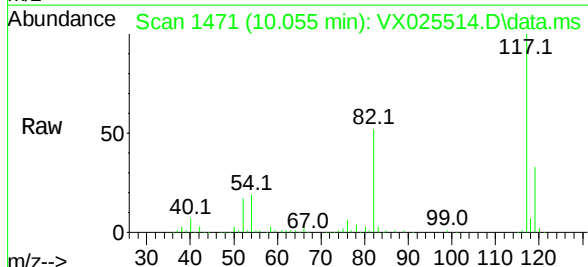
Tgt Ion: 117 Resp: 155259

Ion Ratio Lower Upper

117 100

82 52.1 44.6 67.0

119 32.9 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: VX025514.D

Acq: 04 Dec 2021 12:04

Instrument :

MSVOA_X

ClientSampleId :

VX1204WBL01

Tgt Ion:152 Resp: 67484

Ion Ratio Lower Upper

152 100

115 57.0 43.3 129.8

150 158.6 0.0 351.2

Abundance Scan 1794 (12.024 min): VX025514.D\data.ms

Ref

52.0 78.0 98.9 119.1 150.0

m/z-->

Abundance Scan 1794 (12.024 min): VX025514.D\data.ms

Raw

52.1 78.1 95.9 115.0 132.0 150.0

m/z-->

Abundance Scan 1794 (12.024 min): VX025514.D\data.ms (-1745) (-)

Sub

52.1 78.1 95.9 115.0 132.0 150.0

m/z-->

Abundance

80000

60000

40000

20000

0

12.00 12.10

Time-->

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

1,2,3-Trichloropropane

Concen: 24.33 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025514.D

Acq: 04 Dec 2021 12:04

Tgt Ion: 75 Resp: 33621

Ion Ratio Lower Upper

75 100

77 1.3 20.0 59.9#

Abundance Scan 1639 (11.079 min): VX025514.D\data.ms

Ref

39.0 75.0 110.0 145.9

m/z-->

Abundance Scan 1639 (11.079 min): VX025514.D\data.ms

Raw

50.1 75.0 95.0 116.9 141.0 174.0

m/z-->

Abundance Scan 1639 (11.079 min): VX025514.D\data.ms (-1617) (-)

Sub

50.1 75.0 95.0 116.9 141.0 174.0

m/z-->

Abundance

25000

20000

15000

10000

5000

0

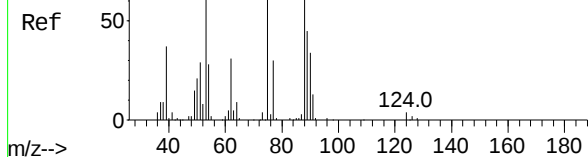
11.00 11.10

Time-->

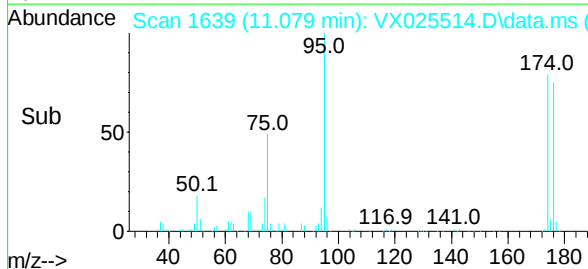
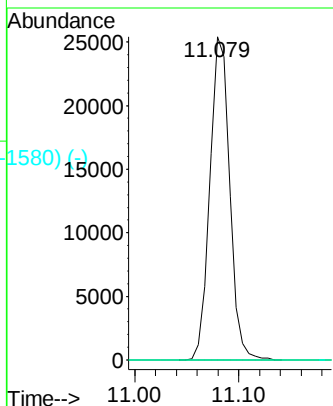
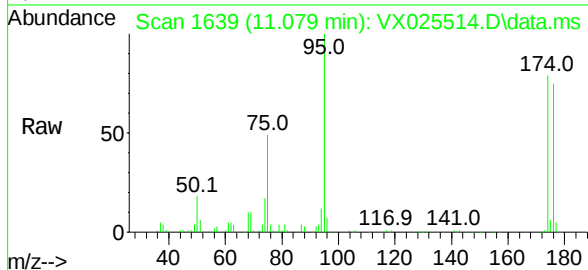
Abundance Scan 1629 (11.018 min): VX025183.D\data.ms (-1629) (-)

trans-1,4-Dichloro-2-butene
Concen: 61.29 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX025514.D
Acq: 04 Dec 2021 12:04

Instrument :
MSVOA_X
ClientSampleId :
VX1204WBL01



Tgt Ion:	75	Resp:	33621
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: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025514.D
Acq: 04 Dec 2021 12:04

Tgt Ion:	128	Resp:	109
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

