

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019824.D
 Acq On : 10 Dec 2020 14:44
 Operator : JC/MD
 Sample : L4996-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE108D2-20201208

Quant Time: Dec 11 00:51:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	295983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	491764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	223440	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	184651	47.47	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.94%		
35) Dibromofluoromethane	5.46	113	147535	46.42	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.84%		
50) Toluene-d8	8.70	98	591305	48.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.46%		
62) 4-Bromofluorobenzene	11.12	95	223120	48.31	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.62%		

Target Compounds

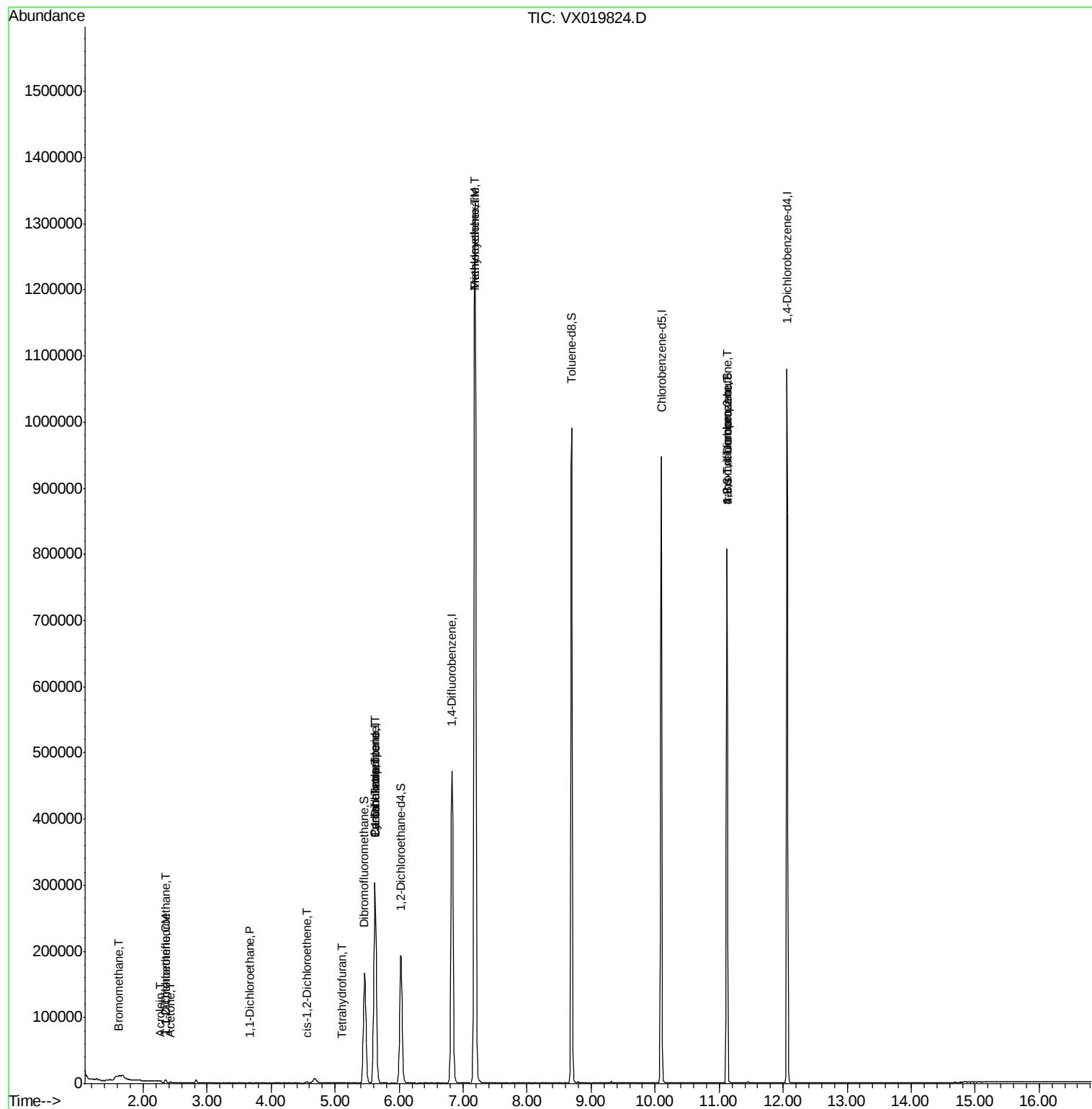
					Qvalue	
5) Bromomethane	1.62	94	436	0.391	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.35	101	814	0.303	ug/l	94
11) Tert butyl alcohol	2.98	59	164	Below Cal	#	73
12) 1,1-Dichloroethene	2.35	96	963	0.355	ug/l #	86
13) Acrolein	2.27	56	104	0.242	ug/l #	1
16) Acetone	2.42	43	773	0.529	ug/l	90
20) Methylene Chloride	2.83	84	1962	Below Cal		96
24) 1,1-Dichloroethane	3.66	63	1213	0.217	ug/l #	81
27) cis-1,2-Dichloroethene	4.56	96	1121	0.303	ug/l	77
29) Tetrahydrofuran	5.11	42	846	0.584	ug/l #	40
31) Cyclohexane	5.62	56	5770	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22266	5.011	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29108	6.689	ug/l #	16
39) Methylcyclohexane	7.18	83	6168	1.181	ug/l #	1
44) Trichloroethene	7.18	130	524976	147.400	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	108829	21.716	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	108829	62.778	ug/l #	12

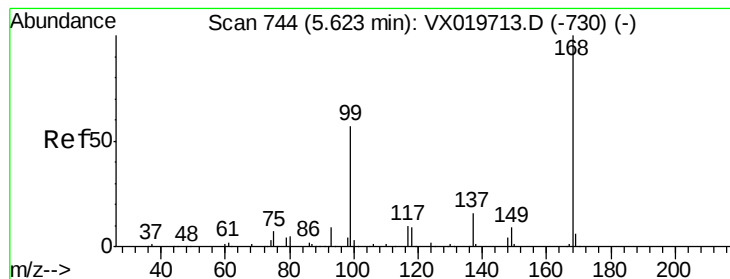
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
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RE108D2-20201208

Quant Time: Dec 11 00:51:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

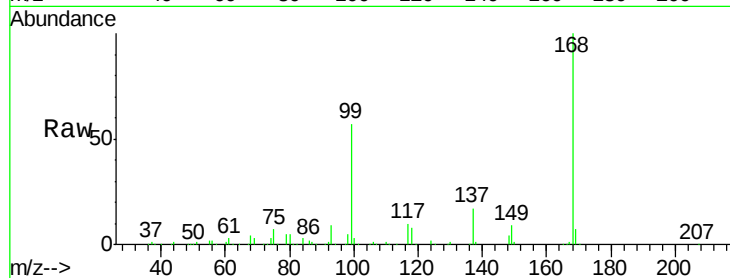
RE108D2-20201208

Tgt Ion:168 Resp: 295983

Ion Ratio Lower Upper

168 100

99 56.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

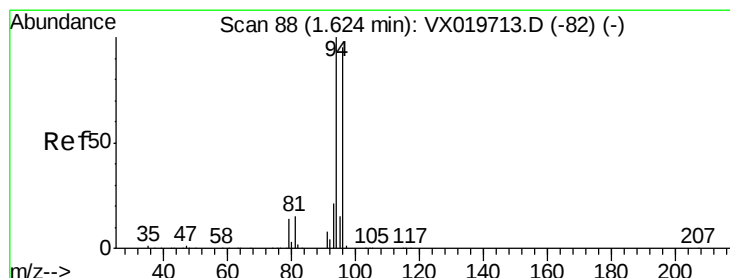
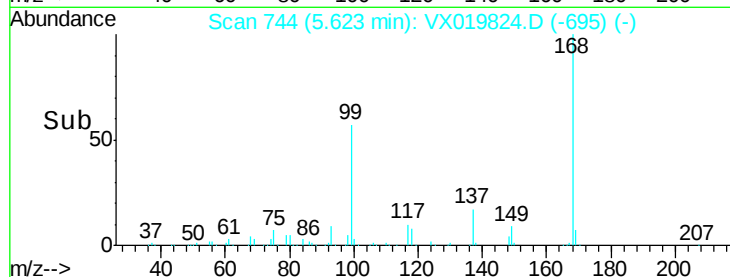
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.391 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX019824.D

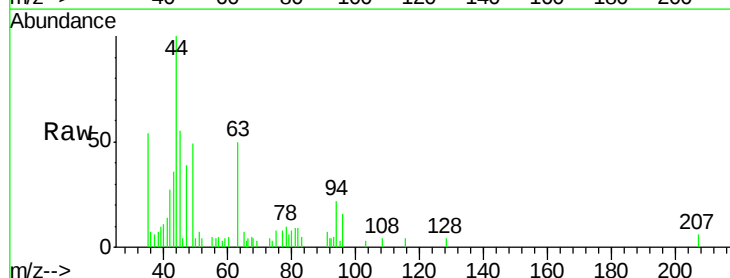
Acq: 10 Dec 2020 14:44

Tgt Ion: 94 Resp: 436

Ion Ratio Lower Upper

94 100

96 84.7 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

400

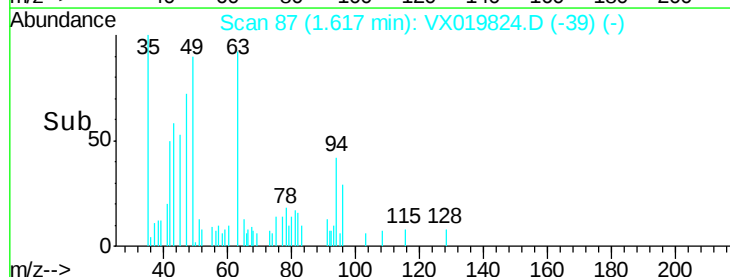
300

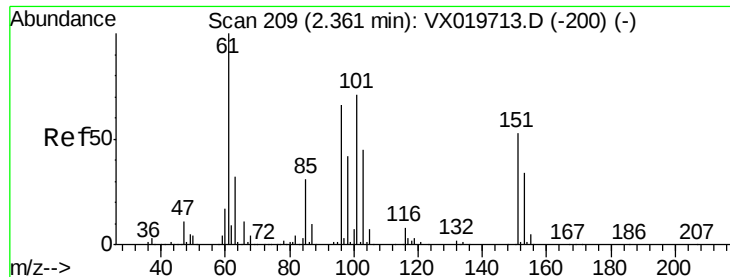
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.303 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

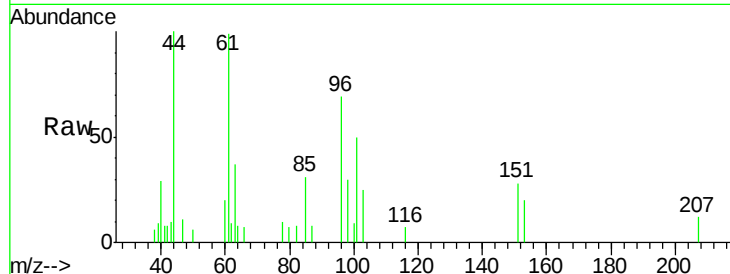
Tgt Ion:101 Resp: 814

Ion Ratio Lower Upper

101 100

85 46.7 34.9 52.3

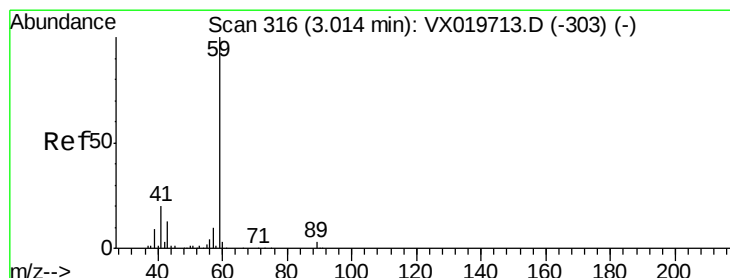
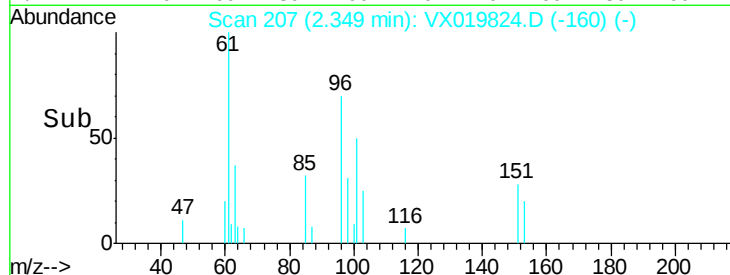
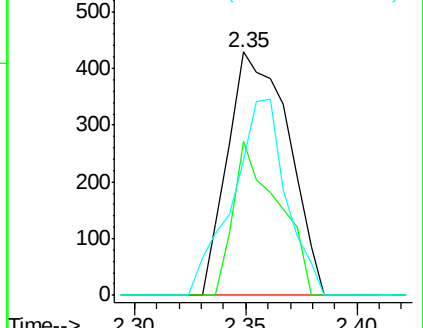
151 71.5 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.98 min Scan# 311

Delta R.T. -0.03 min

Lab File: VX019824.D

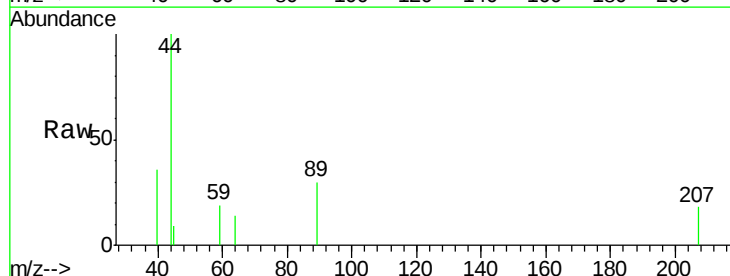
Acq: 10 Dec 2020 14:44

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

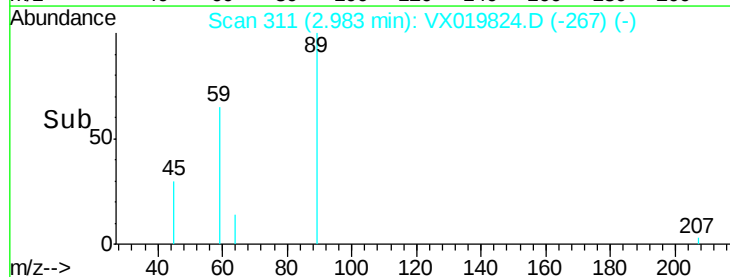
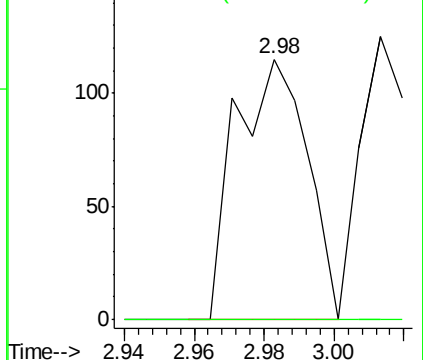
59 100

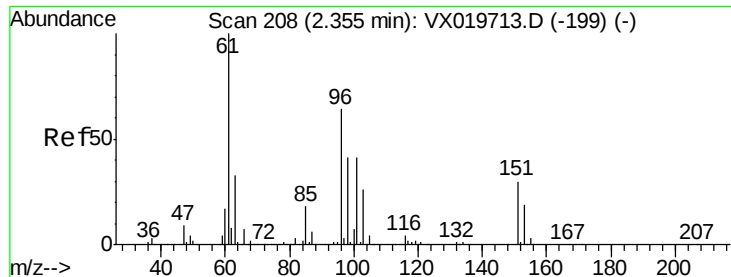
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.355 ug/l

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

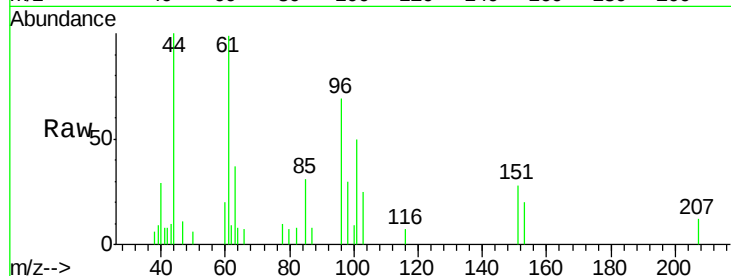
Tgt Ion: 96 Resp: 963

Ion Ratio Lower Upper

96 100

61 143.8 124.6 187.0

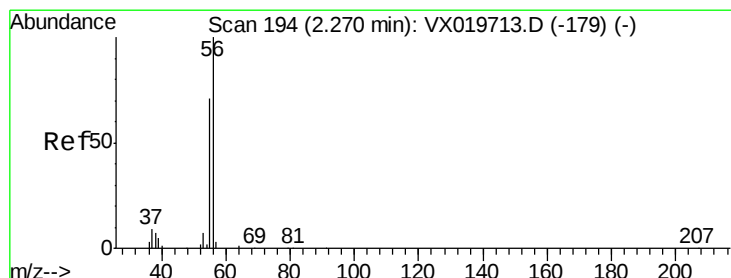
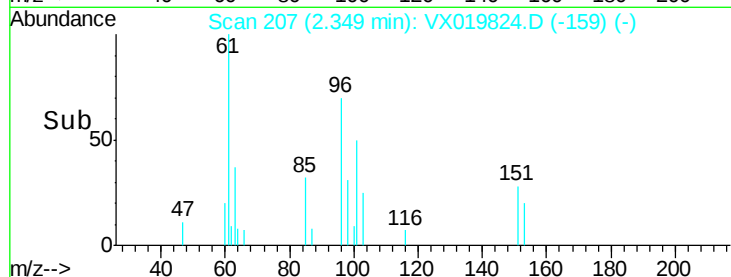
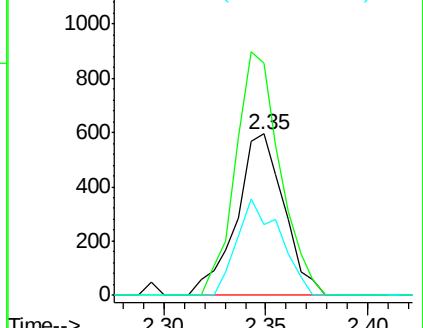
98 44.1 50.6 76.0#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.242 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019824.D

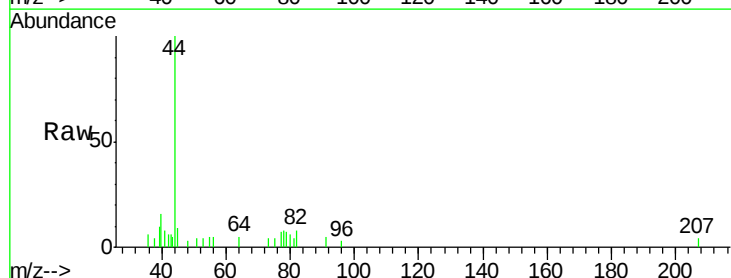
Acq: 10 Dec 2020 14:44

Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

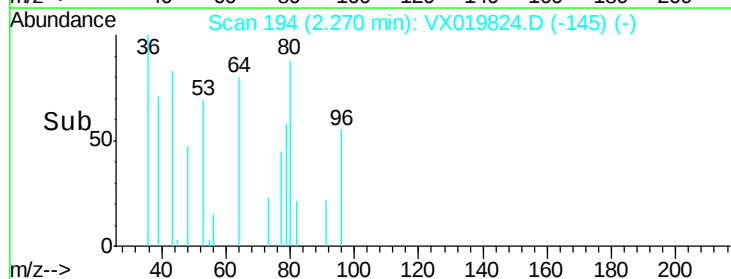
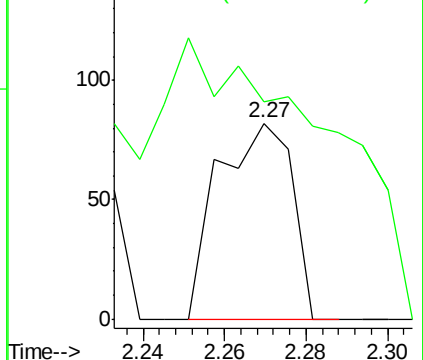
56 100

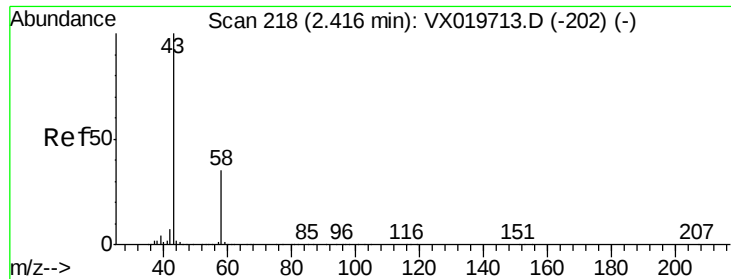
55 308.7 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.529 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

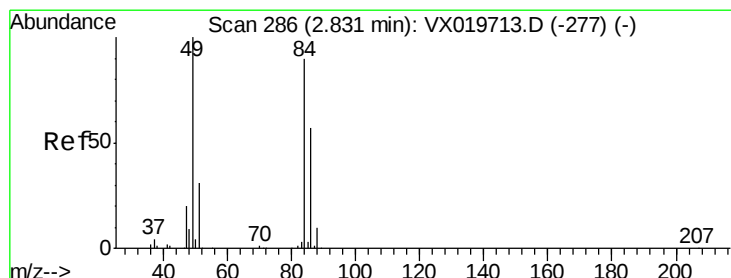
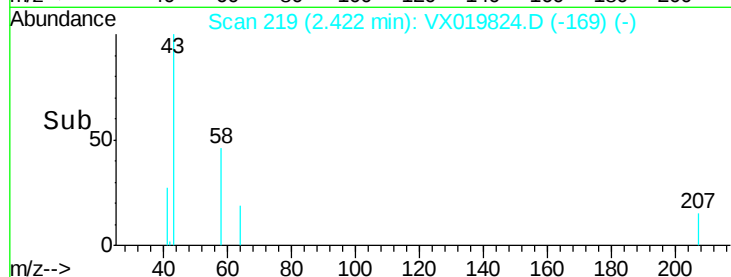
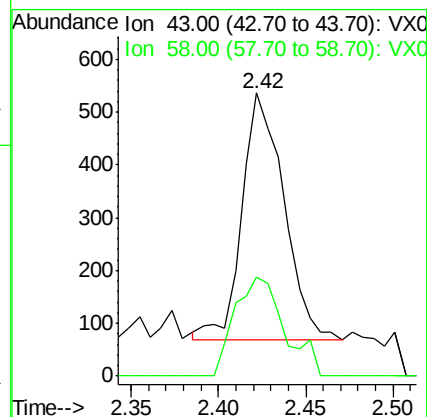
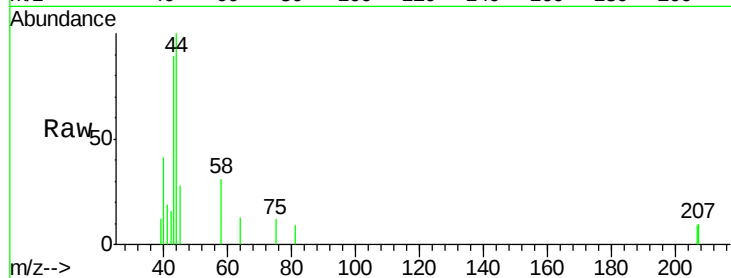
RE108D2-20201208

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

43 100

58 40.3 27.8 41.8



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Tgt Ion: 84 Resp: 1962

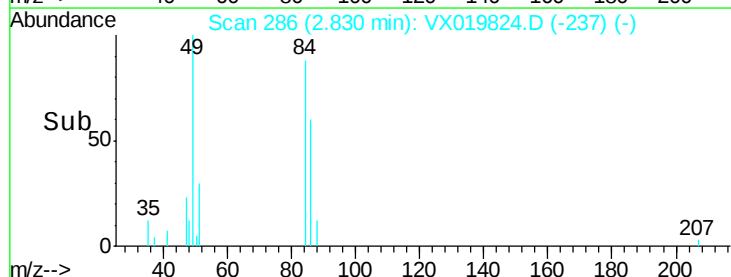
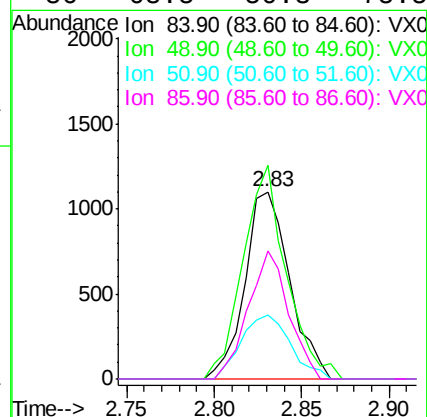
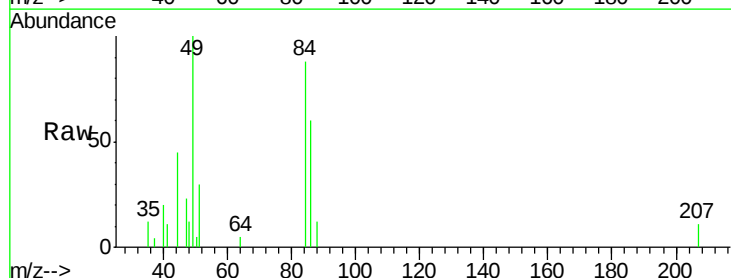
Ion Ratio Lower Upper

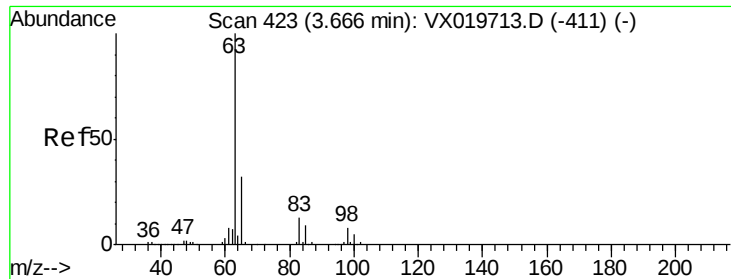
84 100

49 114.0 88.6 132.8

51 34.4 27.0 40.6

86 68.5 50.3 75.5





#24

1,1-Dichloroethane

Concen: 0.217 ug/l

RT: 3.66 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

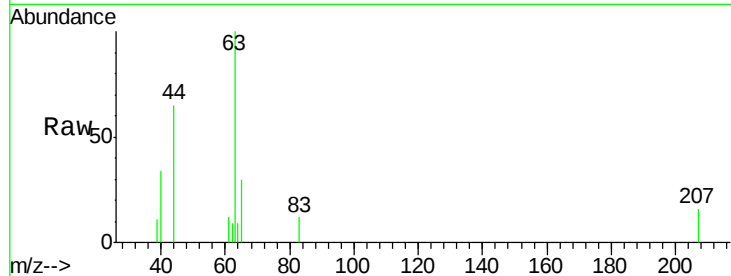
Tgt Ion: 63 Resp: 1213

Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

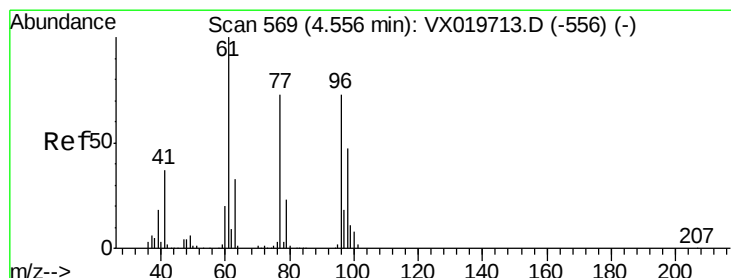
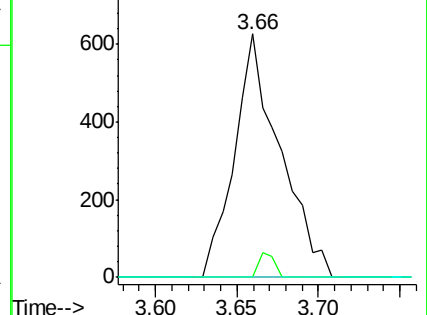
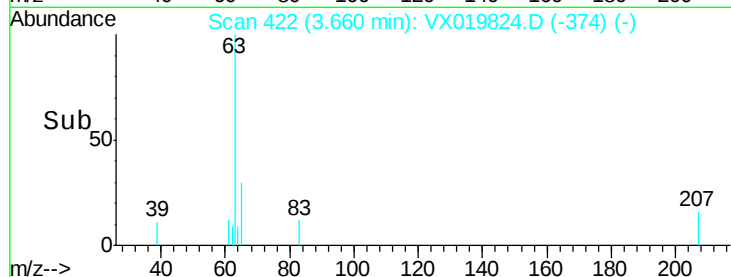
100 0.0 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.303 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

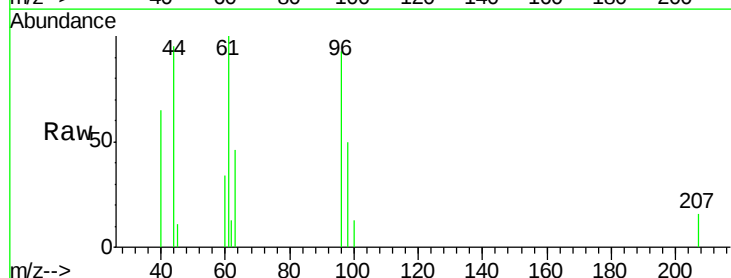
Tgt Ion: 96 Resp: 1121

Ion Ratio Lower Upper

96 100

61 182.5 0.0 285.6

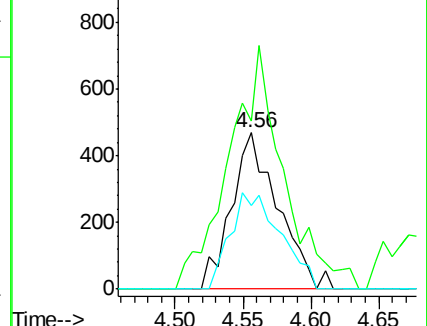
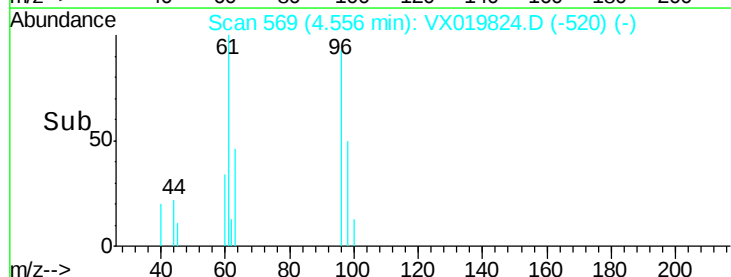
98 66.5 0.0 129.6

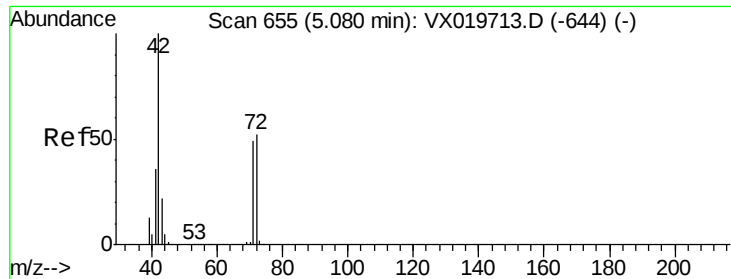


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

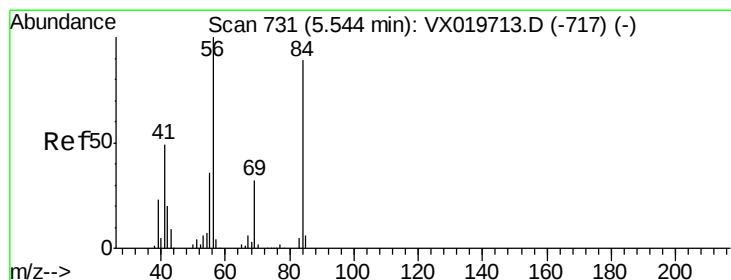
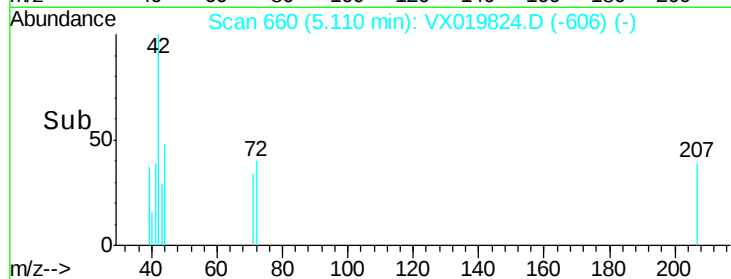
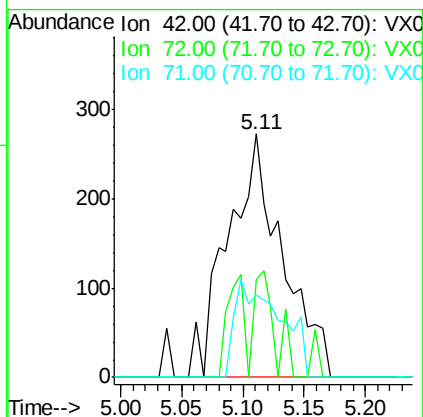
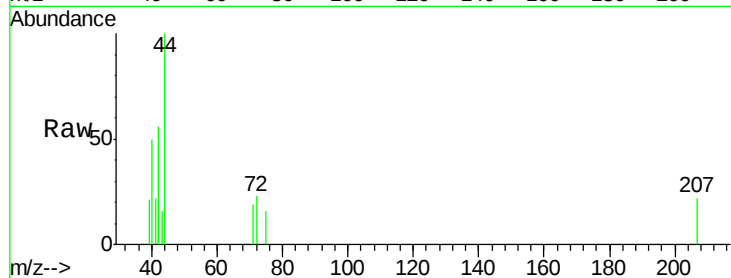




#29
Tetrahydrofuran
Concen: 0.584 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.03 min
Lab File: VX019824.D
Acq: 10 Dec 2020 14:44

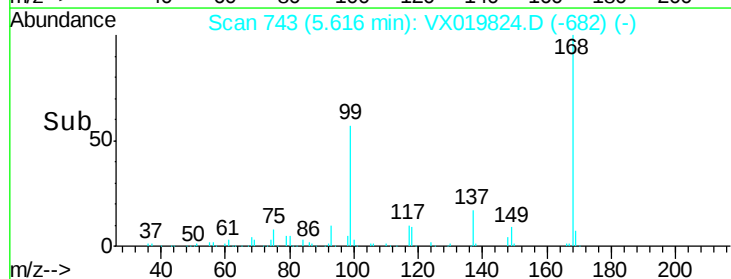
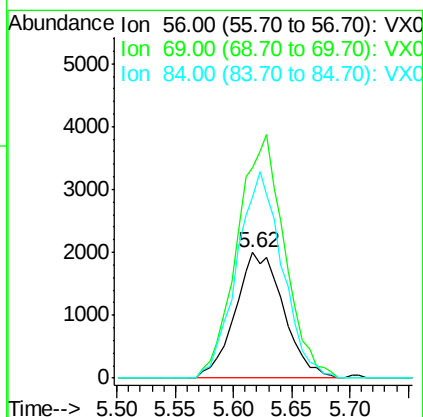
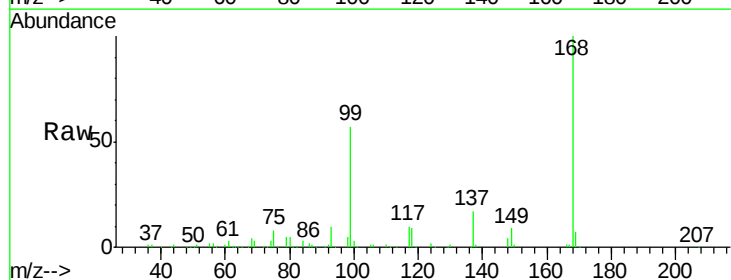
Instrument :
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RE108D2-20201208

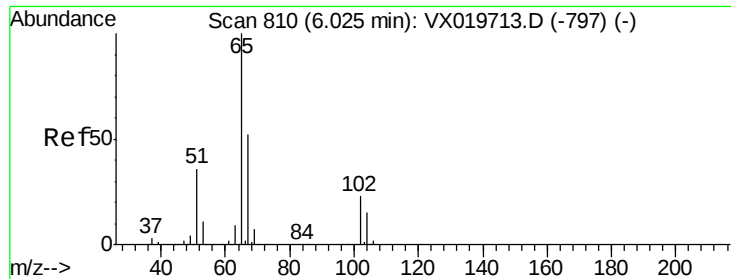
Tgt Ion: 42 Resp: 846
Ion Ratio Lower Upper
42 100
72 16.7 41.7 62.5#
71 0.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX019824.D
Acq: 10 Dec 2020 14:44

Tgt Ion: 56 Resp: 5770
Ion Ratio Lower Upper
56 100
69 167.5 25.3 37.9#
84 143.8 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.467 ug/l

RT: 6.02 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

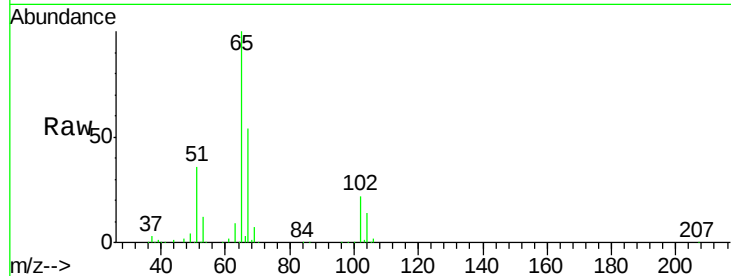
RE108D2-20201208

Tgt Ion: 65 Resp: 184651

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.02

80000

60000

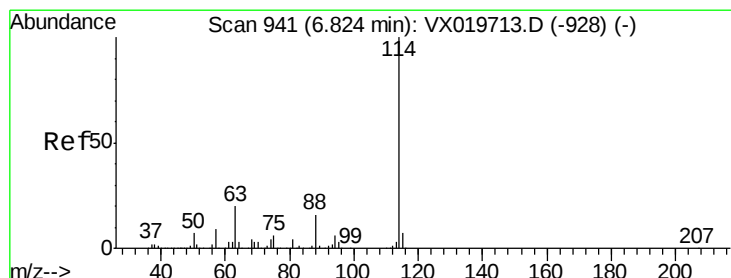
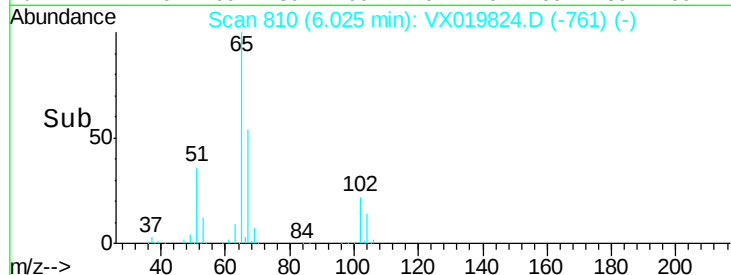
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

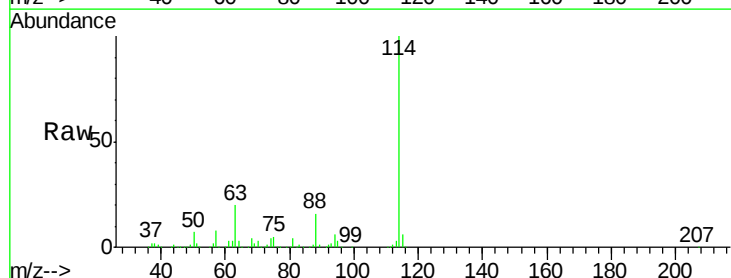
Tgt Ion: 114 Resp: 491764

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 16.1 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

250000

200000

150000

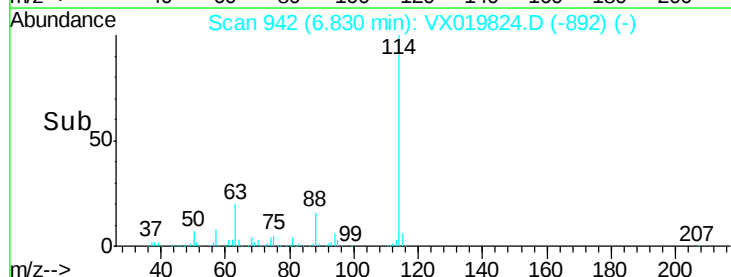
100000

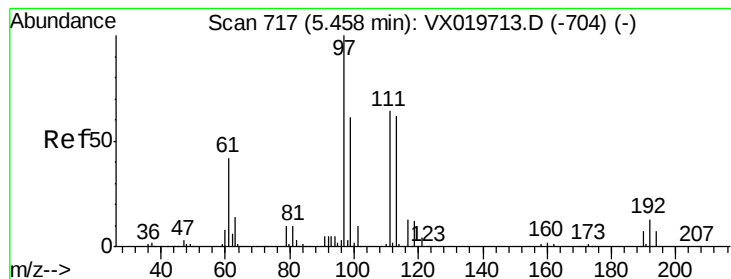
50000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 46.421 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

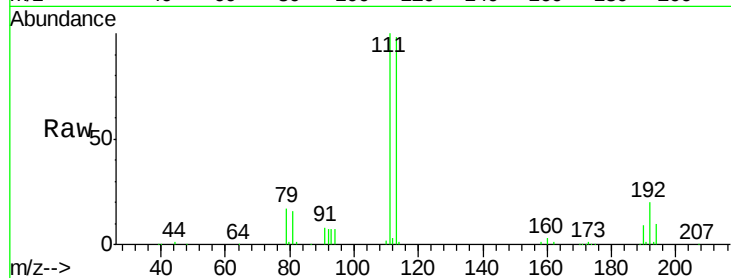
Tgt Ion:113 Resp: 147535

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

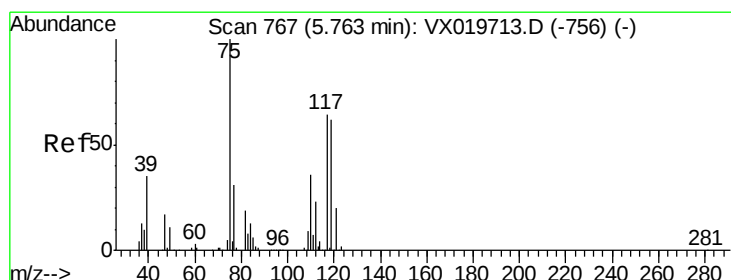
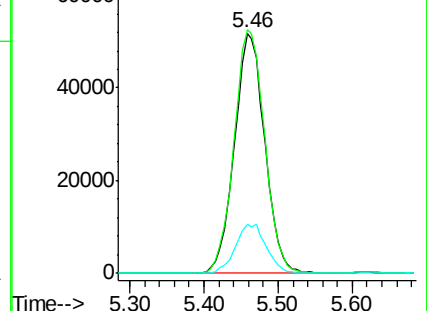
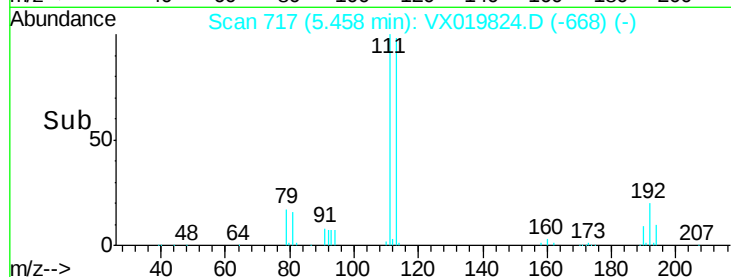
192 20.9 16.7 25.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.011 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

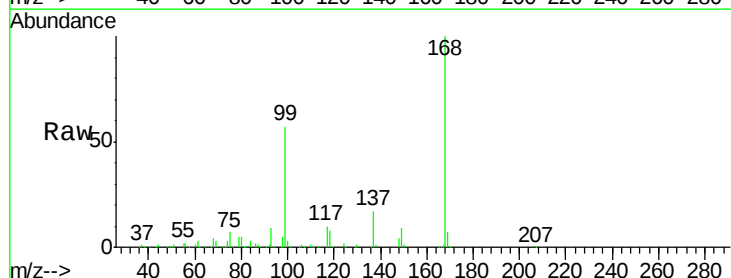
Tgt Ion: 75 Resp: 22266

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

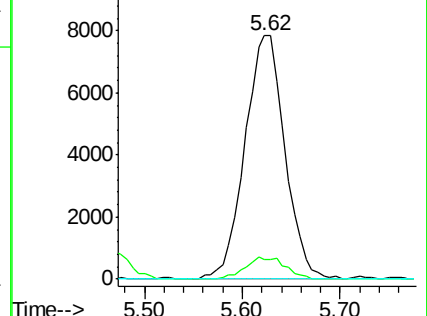
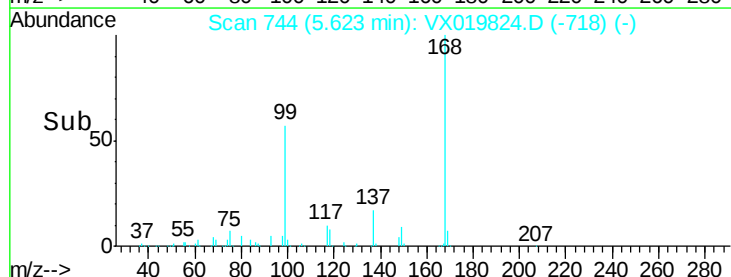
77 0.0 25.3 37.9#

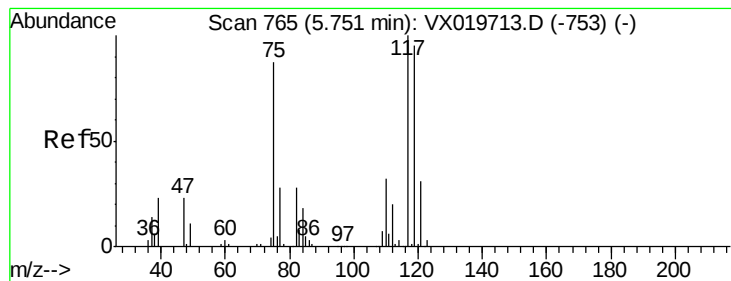


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.689 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

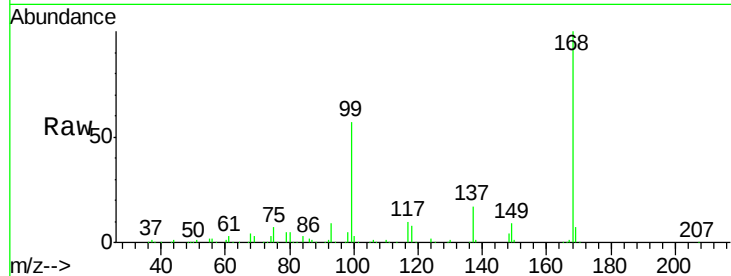
Tgt Ion:117 Resp: 29108

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

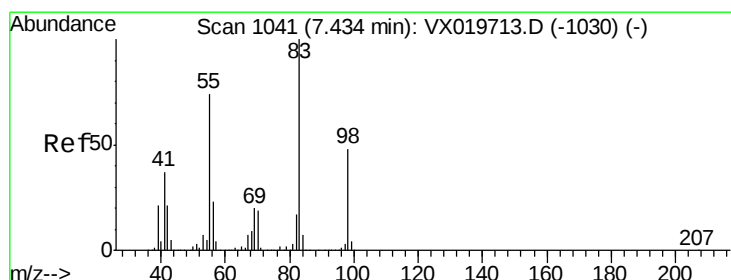
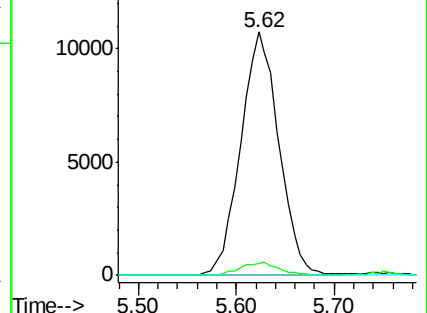
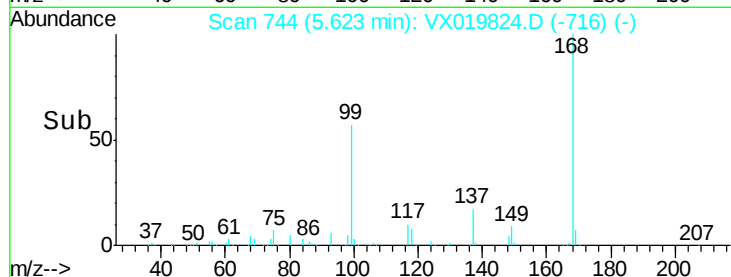
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.181 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.25 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

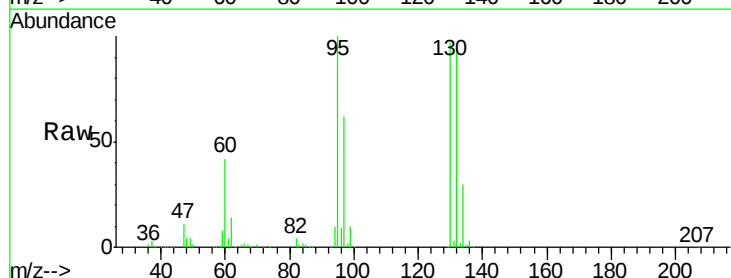
Tgt Ion: 83 Resp: 6168

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

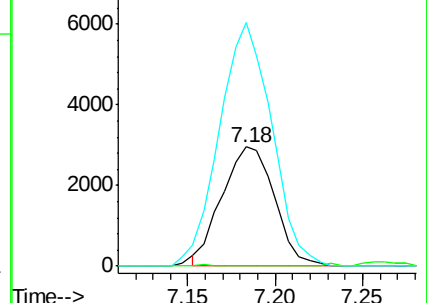
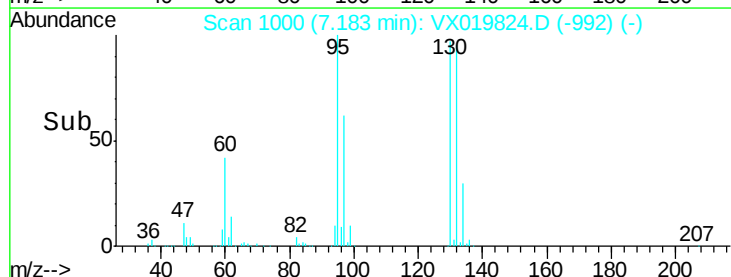
98 204.8 38.1 57.1#

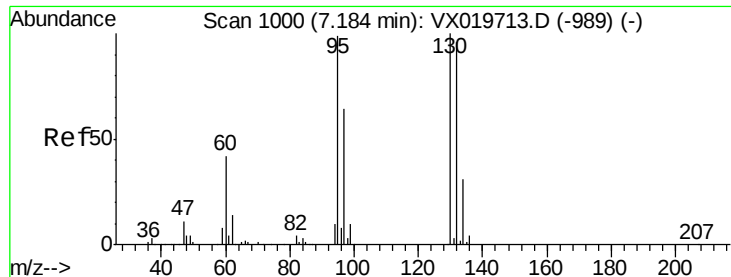


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 147.400 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

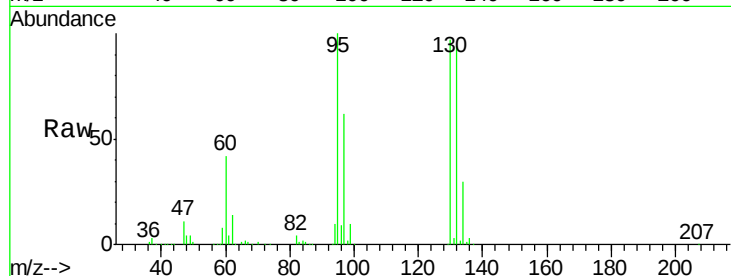
RE108D2-20201208

Tgt Ion:130 Resp: 524976

Ion Ratio Lower Upper

130 100

95 103.6 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.18

250000

200000

150000

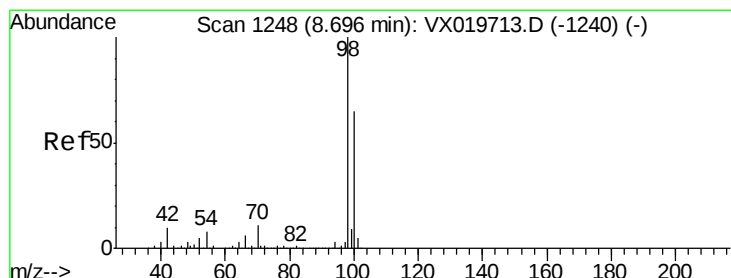
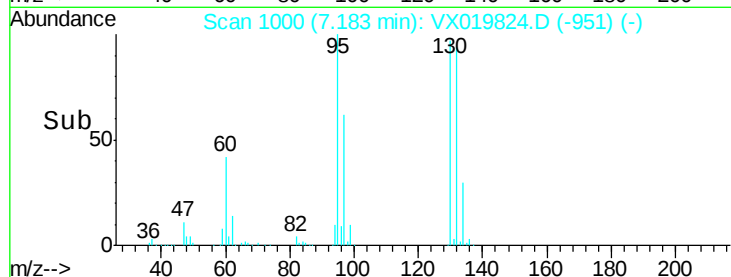
100000

50000

0

Time-->

7.10 7.20 7.30



#50

Toluene-d8

Concen: 48.733 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019824.D

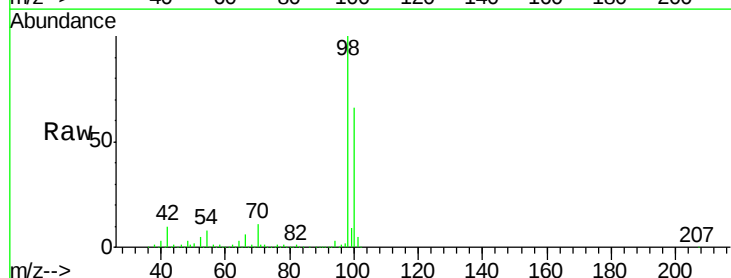
Acq: 10 Dec 2020 14:44

Tgt Ion: 98 Resp: 591305

Ion Ratio Lower Upper

98 100

100 66.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

400000

300000

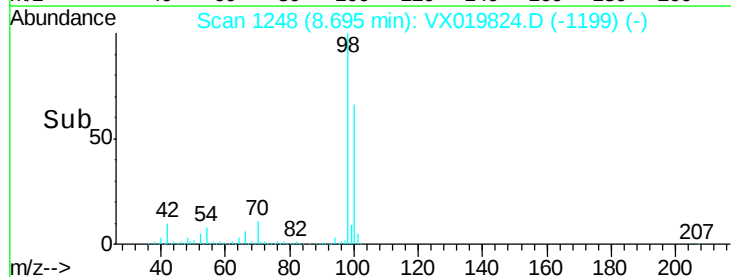
200000

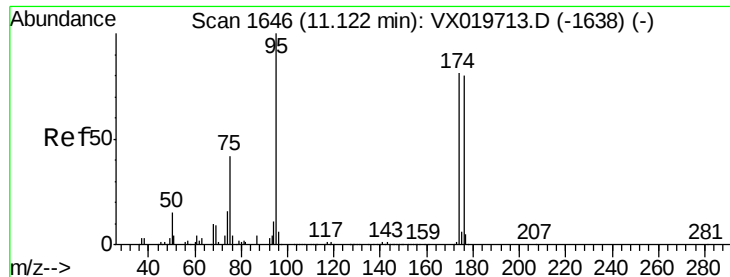
100000

0

Time-->

8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 48.313 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

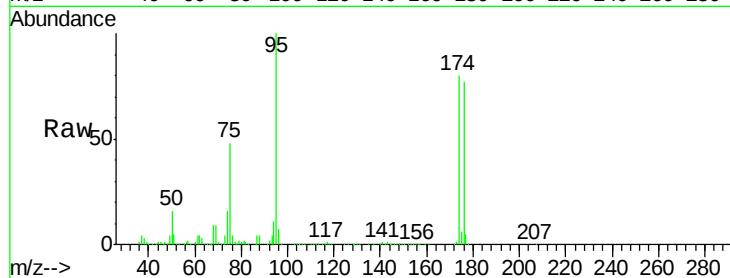
Tgt Ion: 95 Resp: 223120

Ion Ratio Lower Upper

95 100

174 77.9 0.0 154.6

176 73.6 0.0 155.8

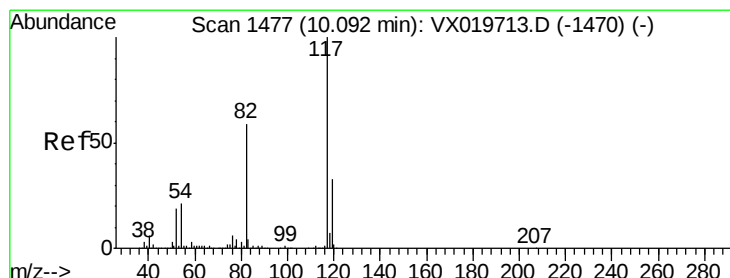
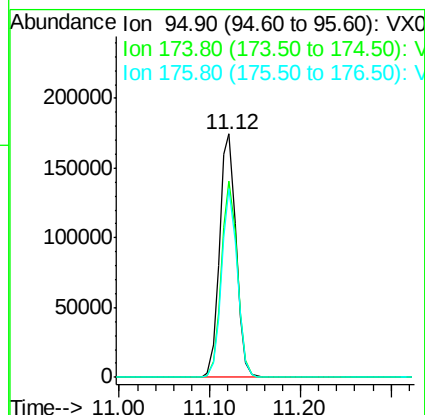
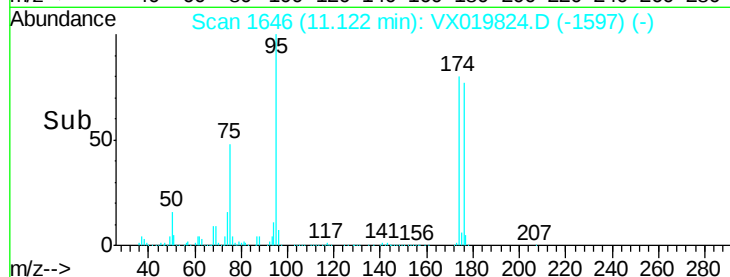


Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

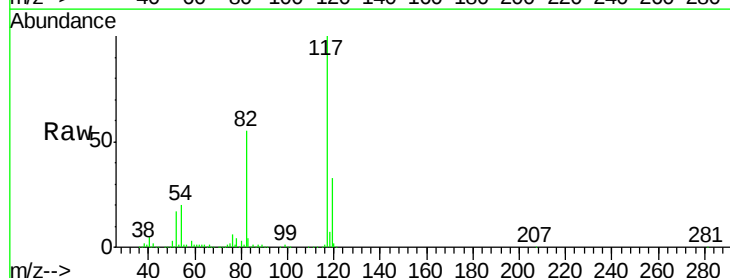
Tgt Ion: 117 Resp: 456316

Ion Ratio Lower Upper

117 100

82 55.1 47.4 71.2

119 33.2 26.6 39.8

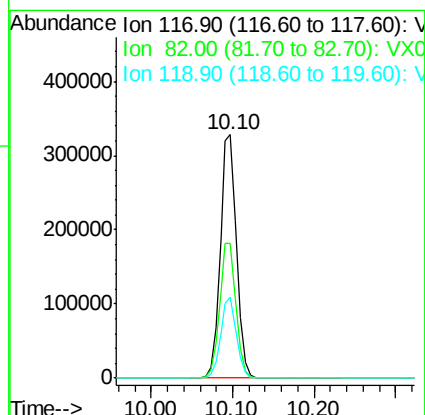
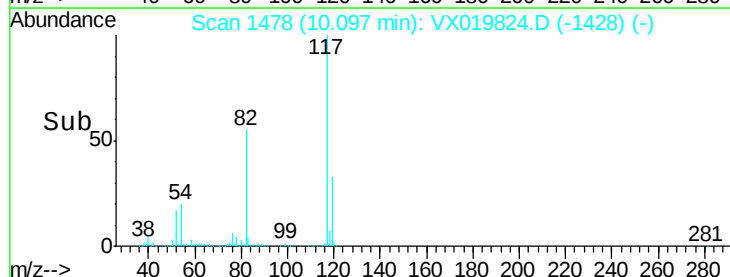


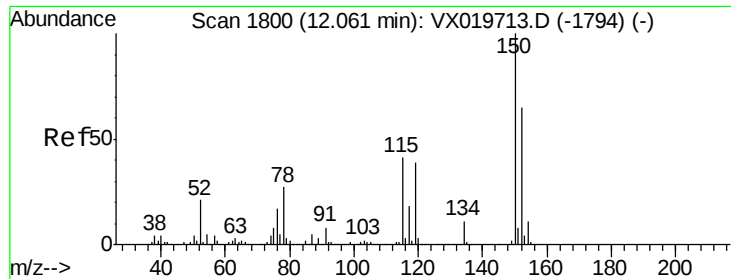
Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)

Time--> 10.00 10.10 10.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

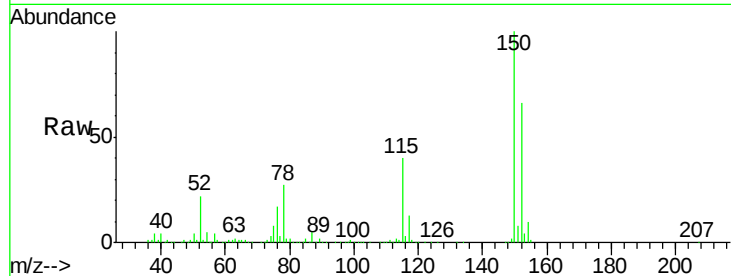
Tgt Ion:152 Resp: 223440

Ion Ratio Lower Upper

152 100

115 59.3 41.1 123.3

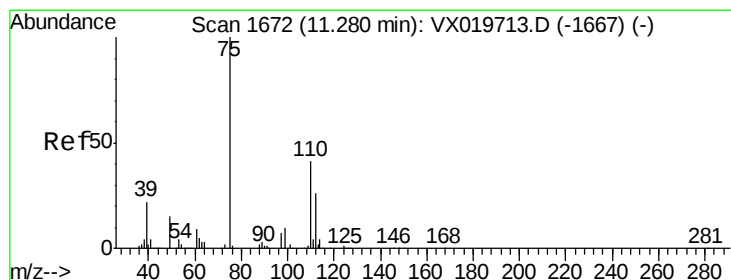
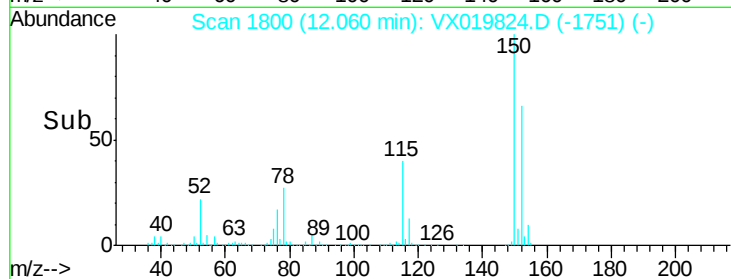
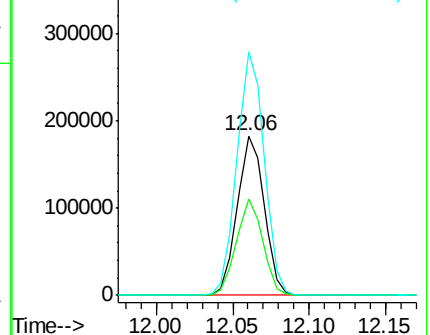
150 154.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.716 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019824.D

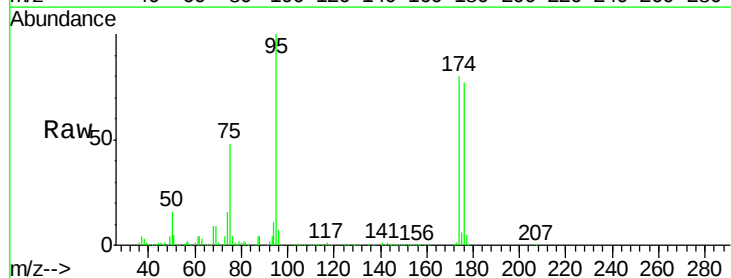
Acq: 10 Dec 2020 14:44

Tgt Ion: 75 Resp: 108829

Ion Ratio Lower Upper

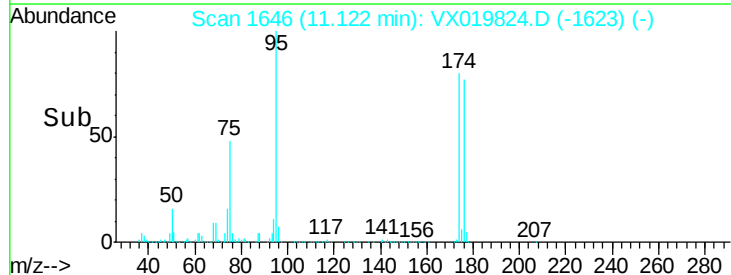
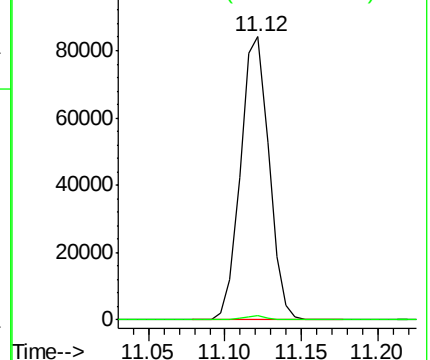
75 100

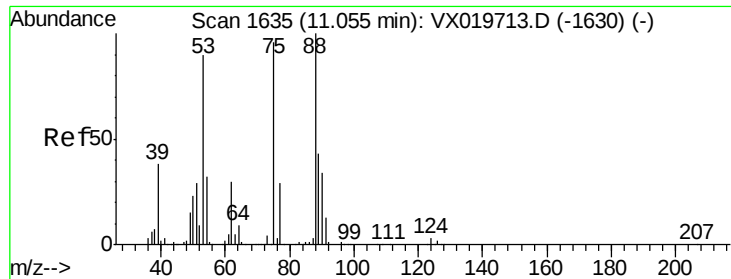
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 62.778 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019824.D

Acq: 10 Dec 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

RE108D2-20201208

Tgt Ion: 75 Resp: 108829

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

