

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019887.D
 Acq On : 11 Dec 2020 20:06
 Operator : JC/MD
 Sample : L4996-10 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20201207

Quant Time: Dec 12 00:06:19 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	299725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	493621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	451147	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	188080	47.74	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.48%
35) Dibromofluoromethane	5.46	113	148728	46.62	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.24%
50) Toluene-d8	8.70	98	593529	48.73	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.46%
62) 4-Bromofluorobenzene	11.12	95	212364	45.81	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.62%

Target Compounds

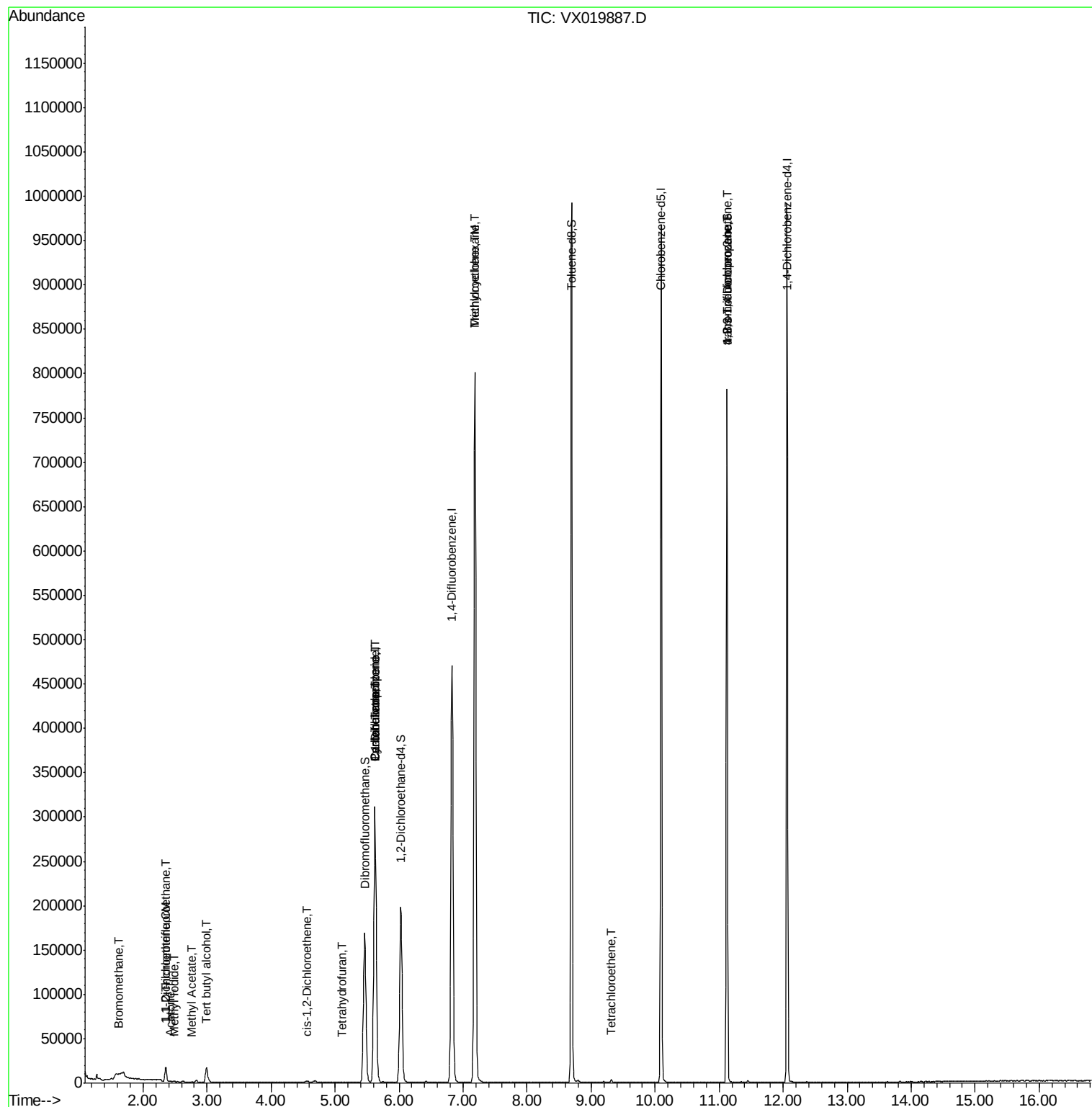
					Qvalue	
5) Bromomethane	1.62	94	431	0.381	ug/l #	57
9) 1,1,2-Trichlorotrifluoroet	2.36	101	5066	1.865	ug/l	94
10) Methyl Iodide	2.48	142	962	0.240	ug/l #	92
11) Tert butyl alcohol	3.00	59	11054	11.153	ug/l #	76
12) 1,1-Dichloroethene	2.34	96	1507	0.549	ug/l	97
16) Acetone	2.43	43	955	0.645	ug/l	90
18) Methyl Acetate	2.75	43	759	0.209	ug/l #	79
20) Methylene Chloride	2.83	84	1073	Below Cal	#	86
27) cis-1,2-Dichloroethene	4.57	96	1034	0.276	ug/l	92
29) Tetrahydrofuran	5.10	42	369	0.252	ug/l #	89
31) Cyclohexane	5.63	56	5758	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22292	4.998	ug/l #	49
38) Carbon Tetrachloride	5.63	117	28936	6.625	ug/l #	16
39) Methylcyclohexane	7.18	83	3720	0.710	ug/l #	1
44) Trichloroethene	7.18	130	315690	88.304	ug/l	98
64) Tetrachloroethene	9.32	164	636	0.210	ug/l #	87
76) 1,2,3-Trichloropropane	11.12	75	103785	23.111	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	103785	66.809	ug/l #	12

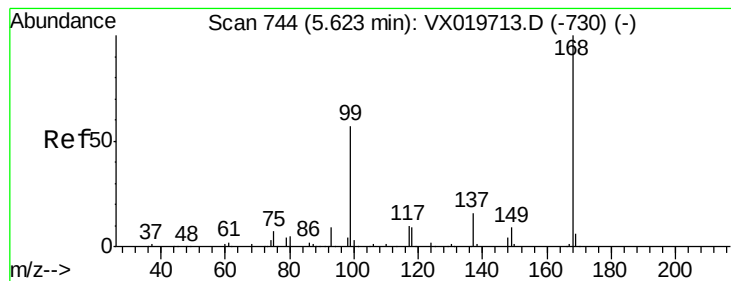
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

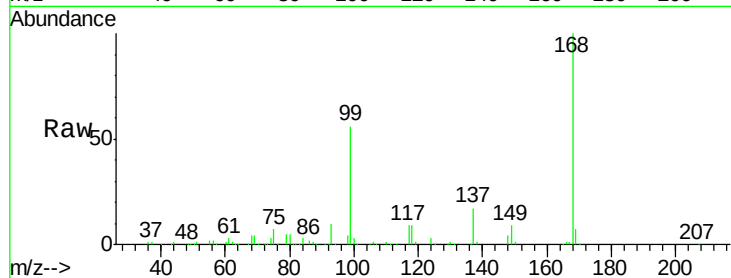
RE132D7-20201207

Tgt Ion: 168 Resp: 299725

Ion Ratio Lower Upper

168 100

99 56.1 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

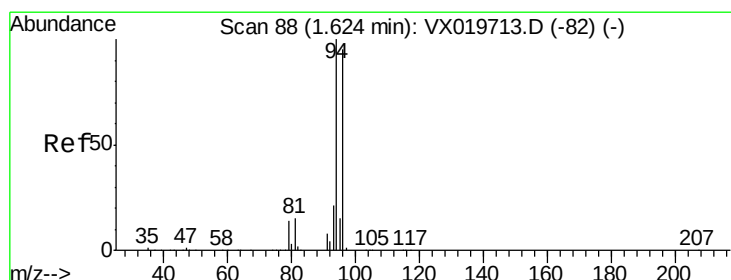
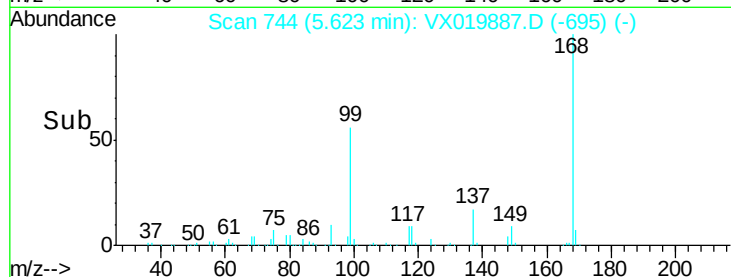
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.381 ug/l

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX019887.D

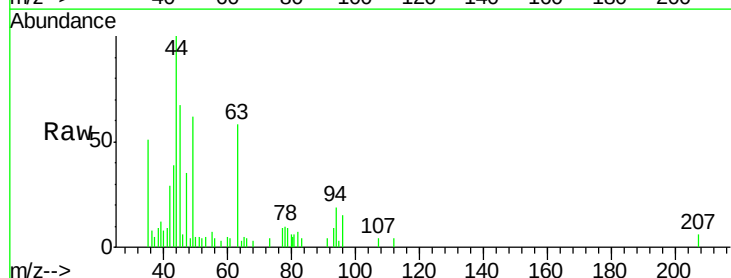
Acq: 11 Dec 2020 20:06

Tgt Ion: 94 Resp: 431

Ion Ratio Lower Upper

94 100

96 53.3 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

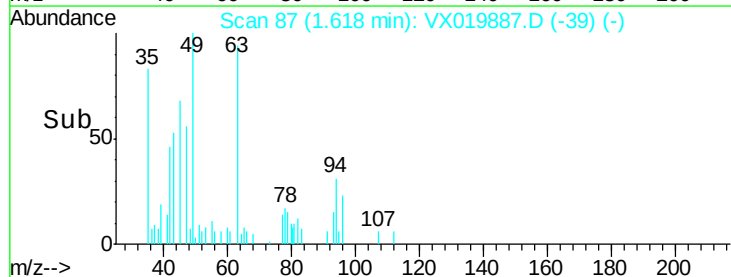
300

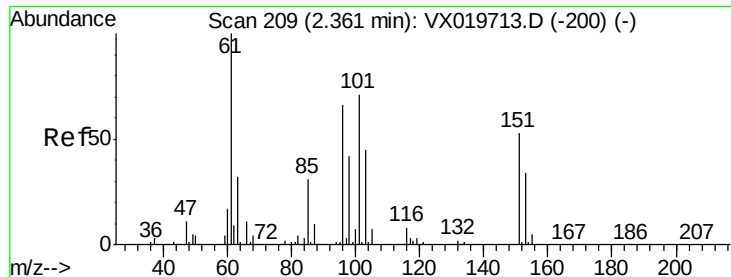
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.865 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20201207

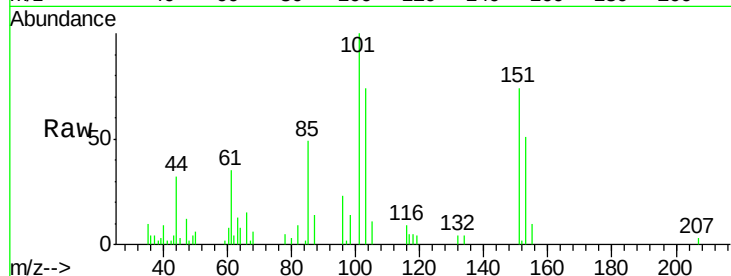
Tgt Ion:101 Resp: 5066

Ion Ratio Lower Upper

101 100

85 45.5 34.9 52.3

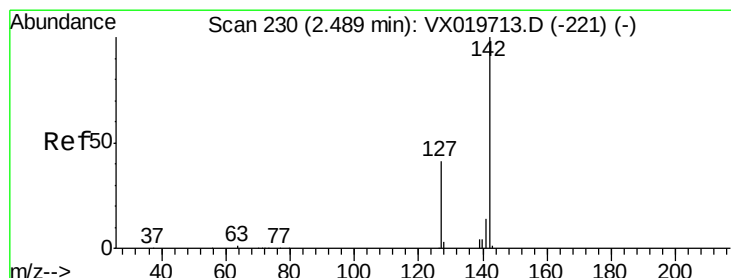
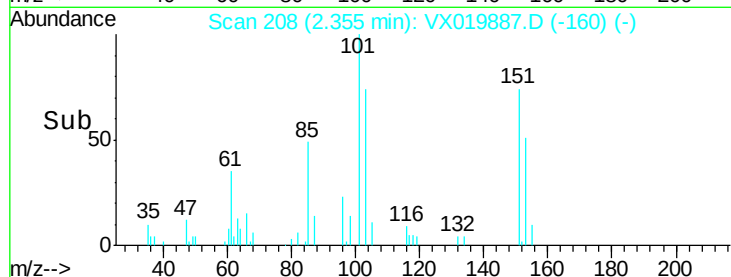
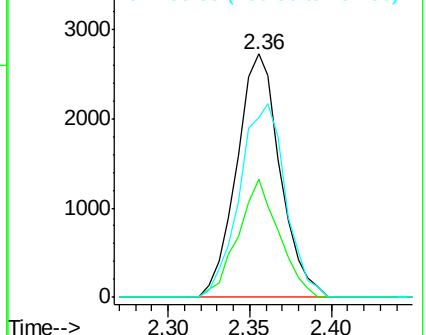
151 83.8 61.4 92.2



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



#10

Methyl Iodide

Concen: 0.240 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

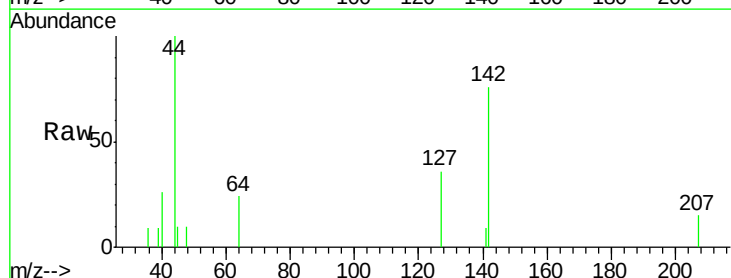
Tgt Ion:142 Resp: 962

Ion Ratio Lower Upper

142 100

127 37.3 33.3 49.9

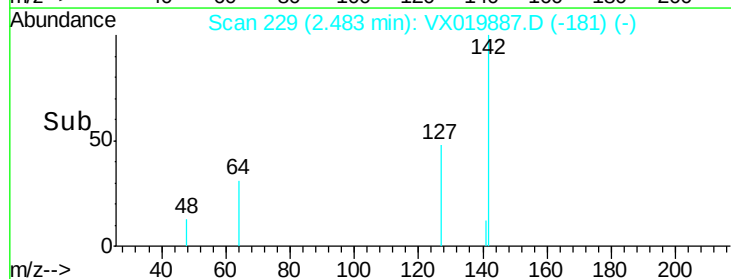
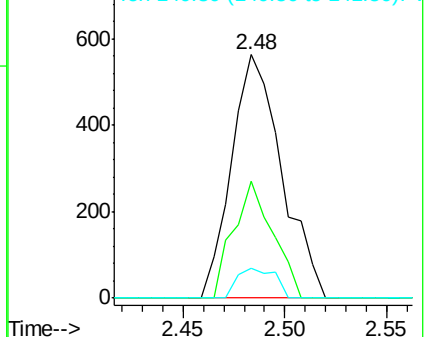
141 9.0 11.4 17.0#

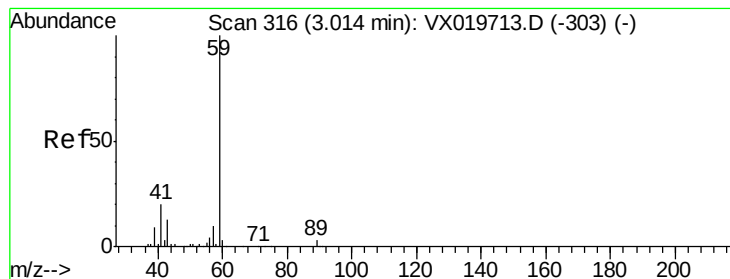


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 11.153 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

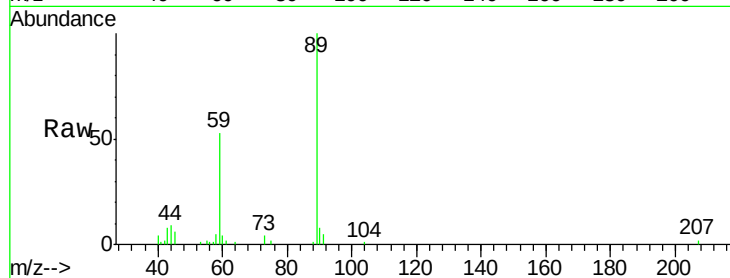
RE132D7-20201207

Tgt Ion: 59 Resp: 11054

Ion Ratio Lower Upper

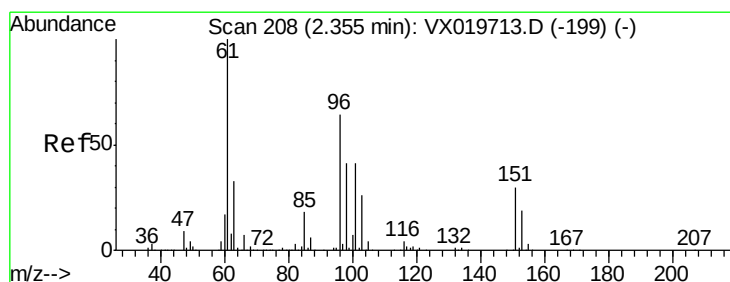
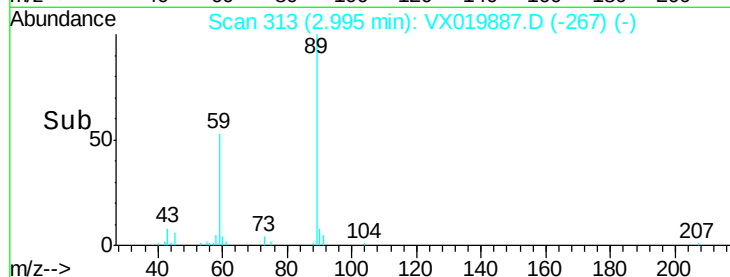
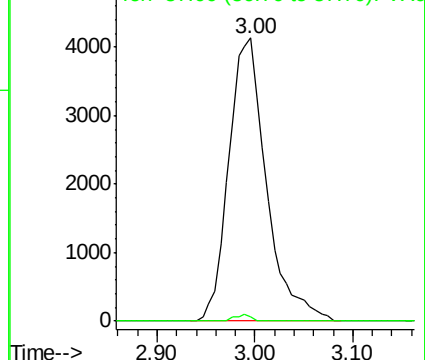
59 100

57 1.0 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: 0.549 ug/l

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

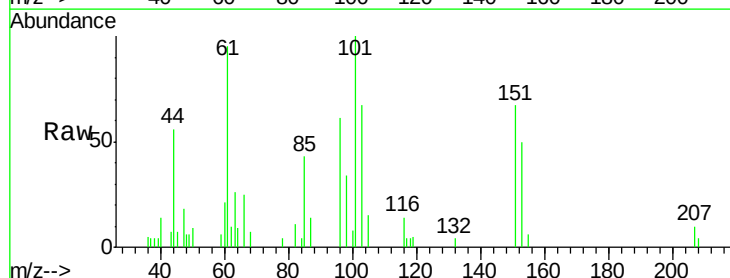
Tgt Ion: 96 Resp: 1507

Ion Ratio Lower Upper

96 100

61 156.8 124.6 187.0

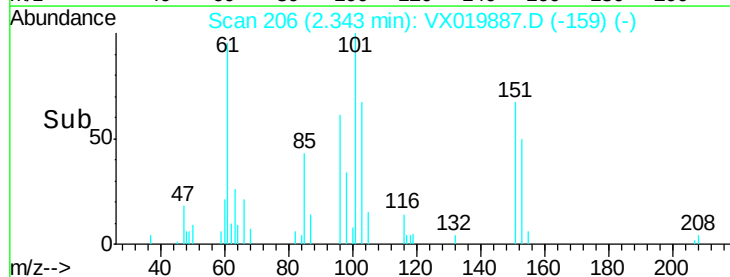
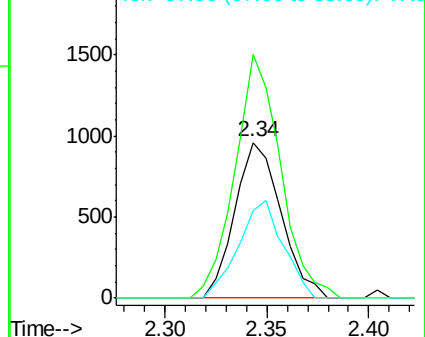
98 56.0 50.6 76.0

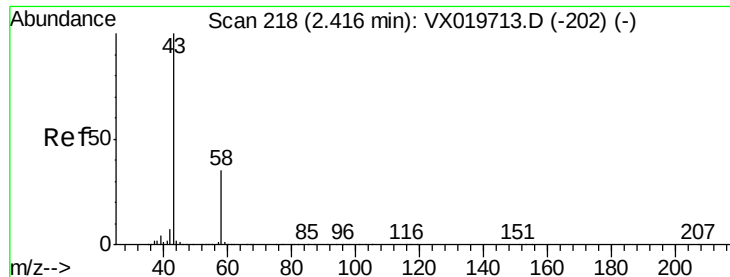


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 0.645 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

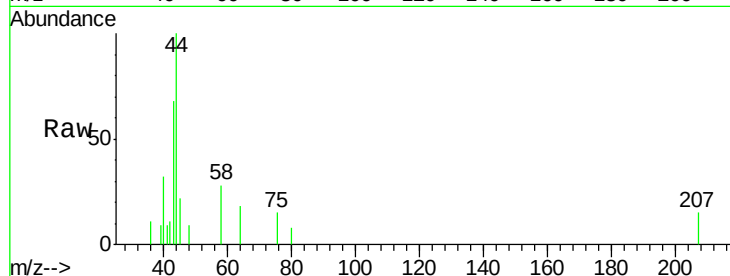
RE132D7-20201207

Tgt Ion: 43 Resp: 955

Ion Ratio Lower Upper

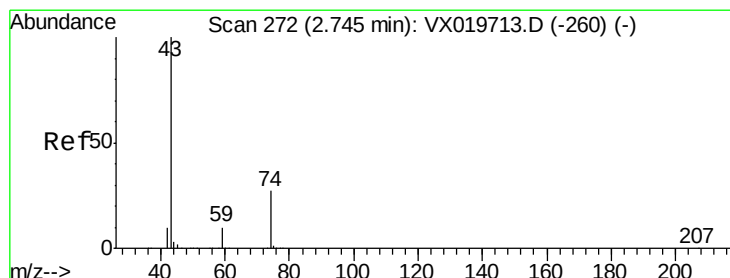
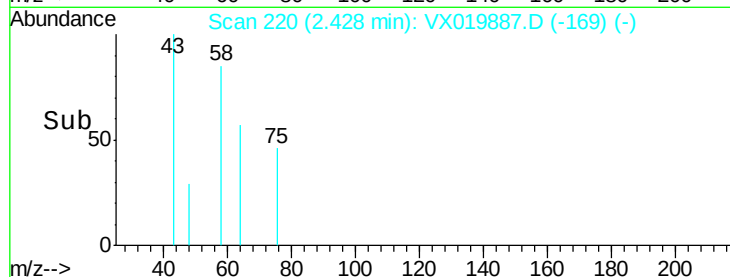
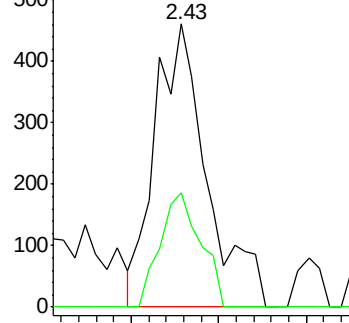
43 100

58 40.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.209 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX019887.D

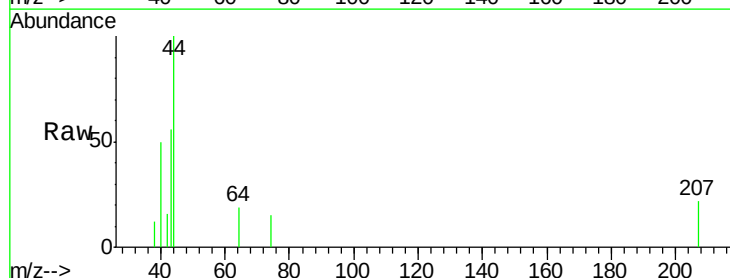
Acq: 11 Dec 2020 20:06

Tgt Ion: 43 Resp: 759

Ion Ratio Lower Upper

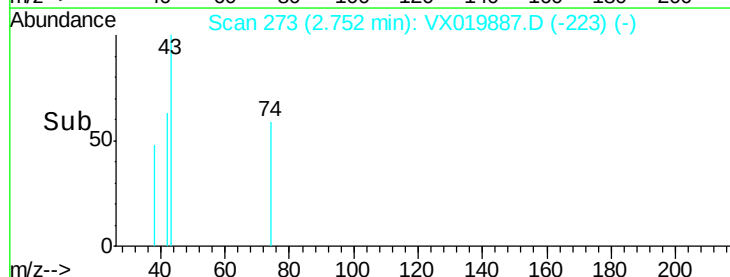
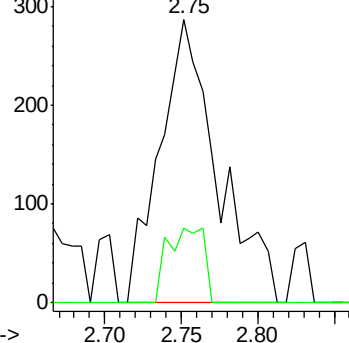
43 100

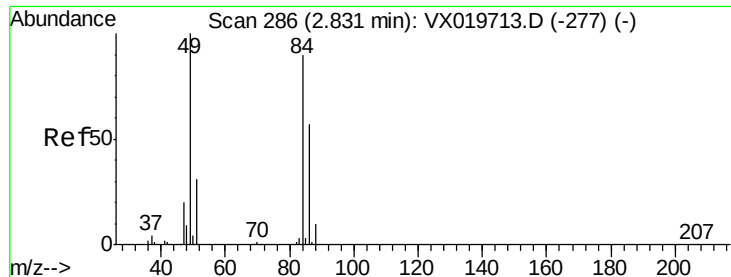
74 16.3 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

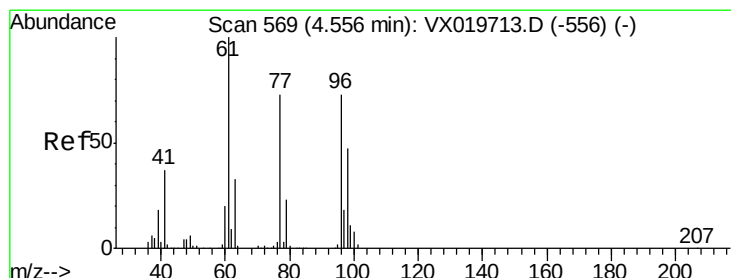
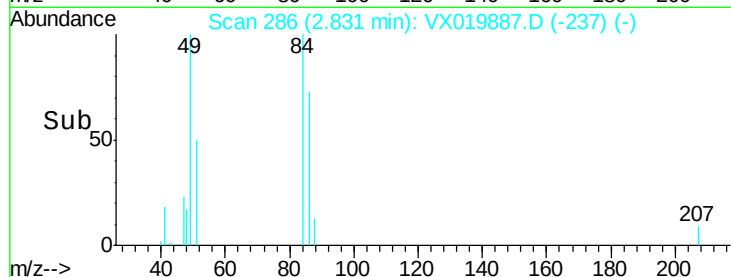
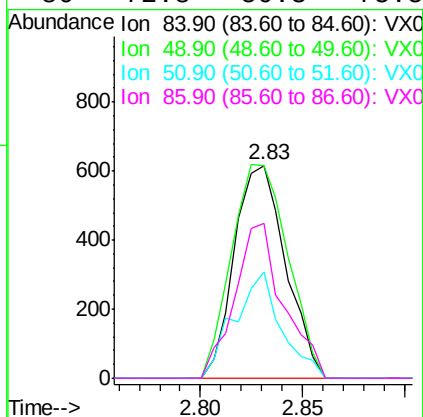
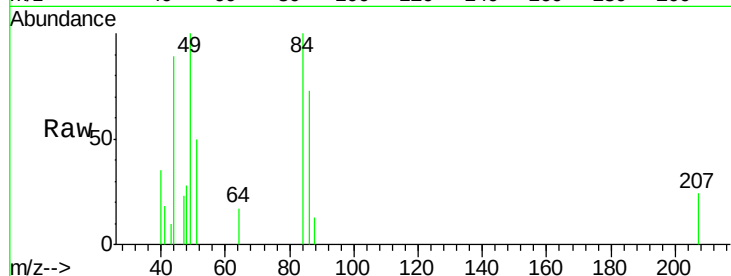




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019887.D
Acq: 11 Dec 2020 20:06

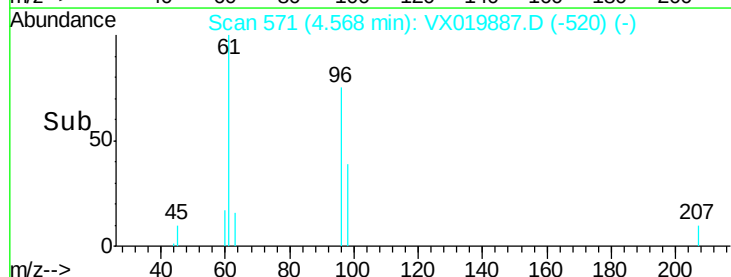
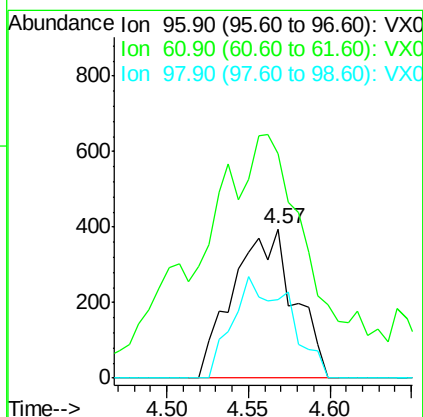
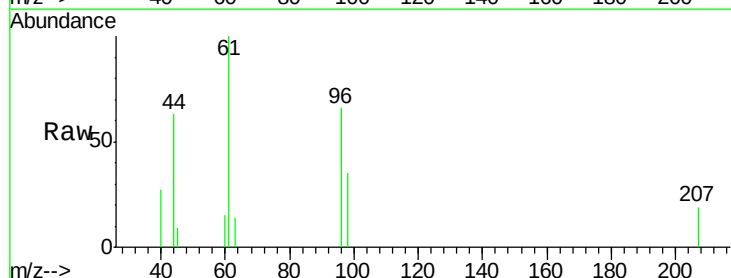
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20201207

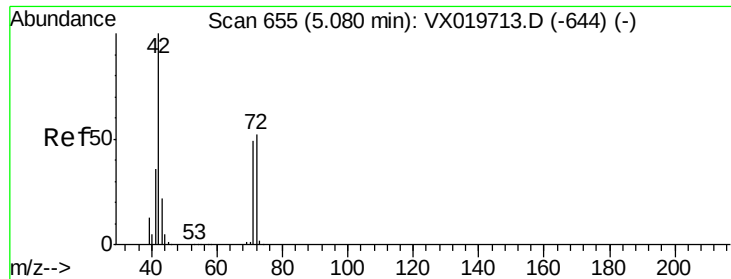
Tgt Ion:	84	Resp:	1073
Ion	Ratio	Lower	Upper
84	100		
49	99.5	88.6	132.8
51	49.6	27.0	40.6#
86	72.8	50.3	75.5



#27
cis-1,2-Dichloroethene
Concen: 0.276 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX019887.D
Acq: 11 Dec 2020 20:06

Tgt Ion:	96	Resp:	1034
Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	285.6
98	62.6	0.0	129.6

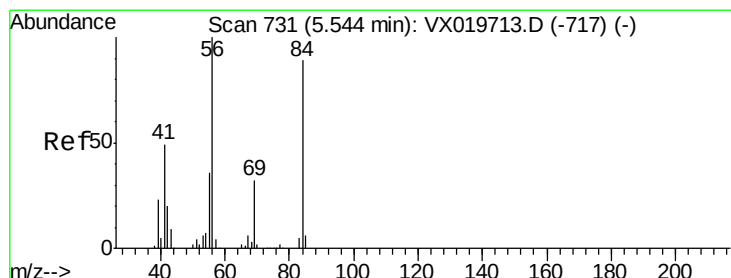
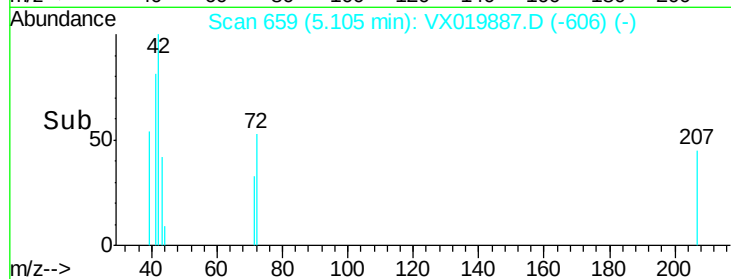
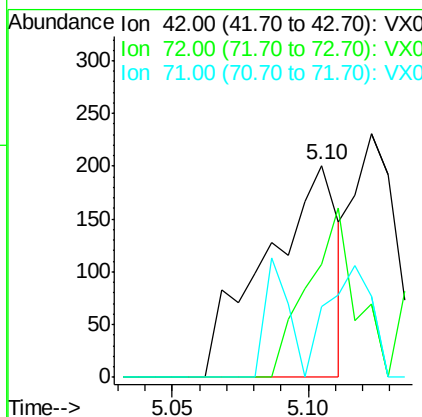
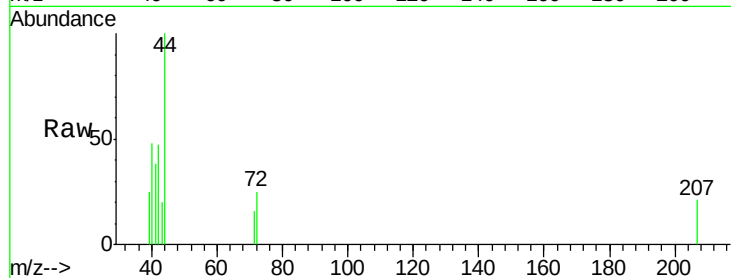




#29
Tetrahydrofuran
Concen: 0.252 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019887.D
Acq: 11 Dec 2020 20:06

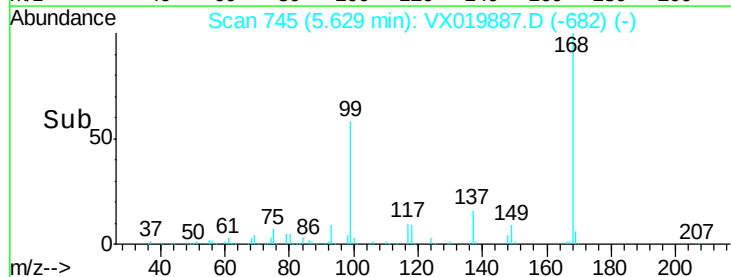
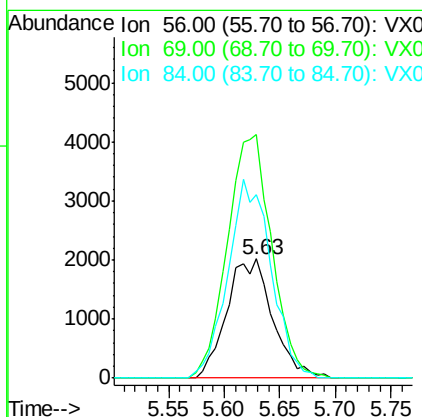
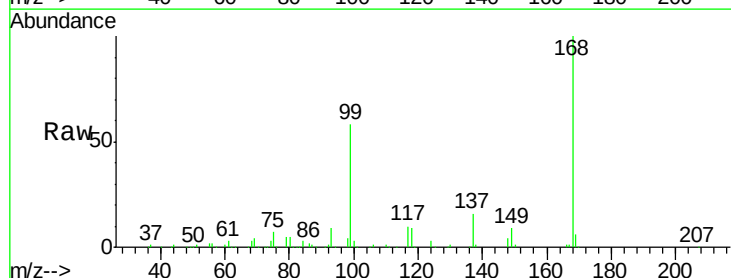
Instrument :
MSVOA_X
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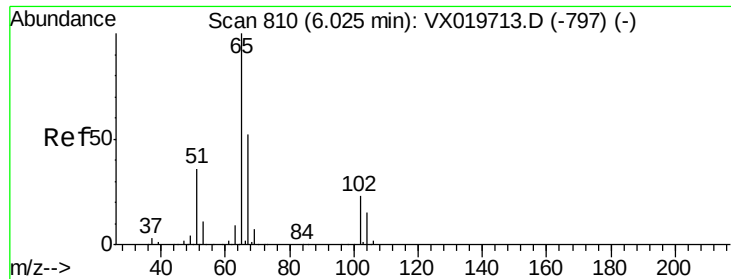
Tgt Ion: 42 Resp: 369
Ion Ratio Lower Upper
42 100
72 52.6 41.7 62.5
71 32.5 38.4 57.6#



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019887.D
Acq: 11 Dec 2020 20:06

Tgt Ion: 56 Resp: 5758
Ion Ratio Lower Upper
56 100
69 204.0 25.3 37.9#
84 153.7 71.4 107.0#

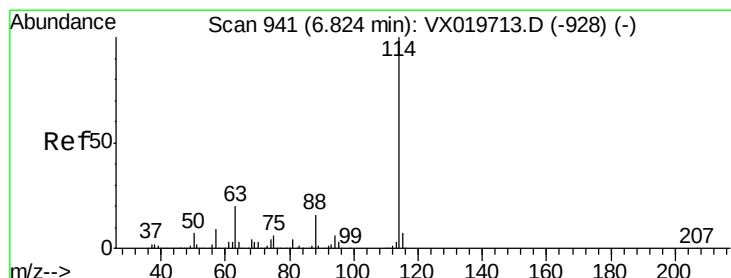
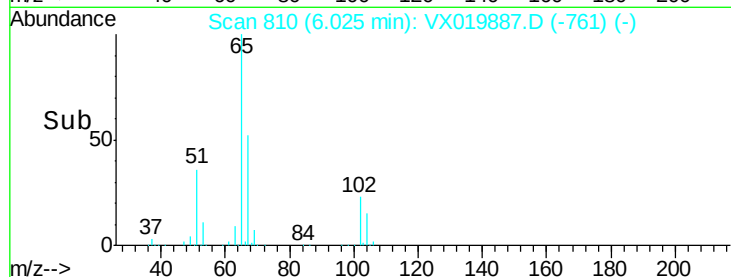
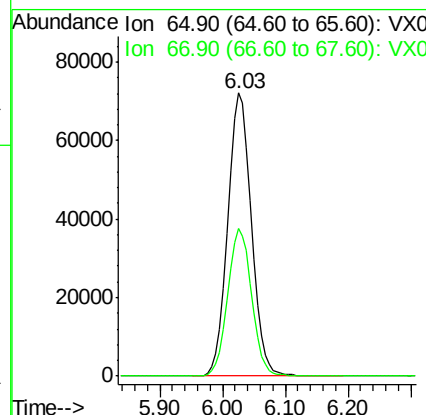
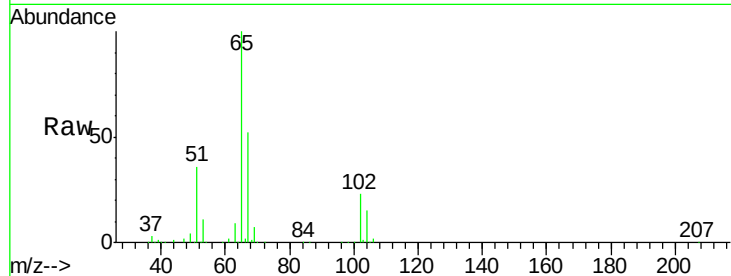




#33
 1,2-Dichloroethane-d4
 Concen: 47.745 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019887.D
 Acq: 11 Dec 2020 20:06

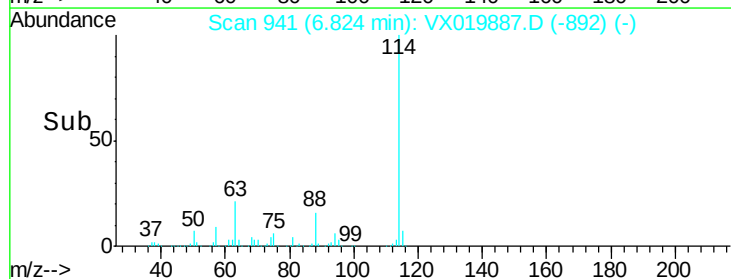
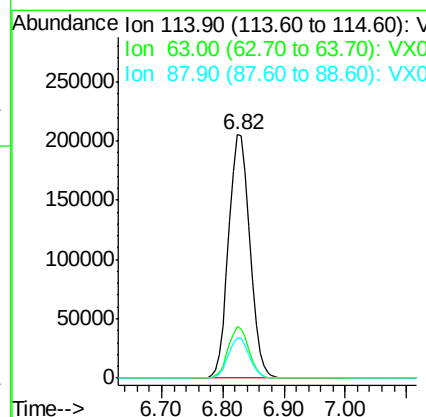
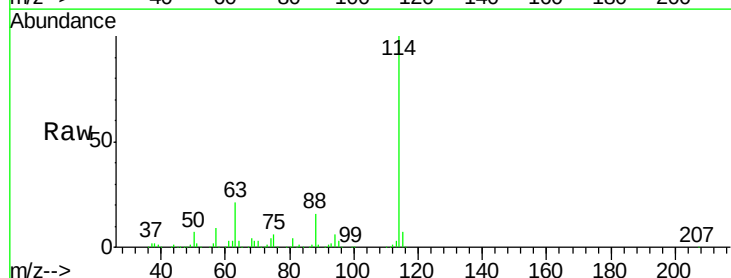
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20201207

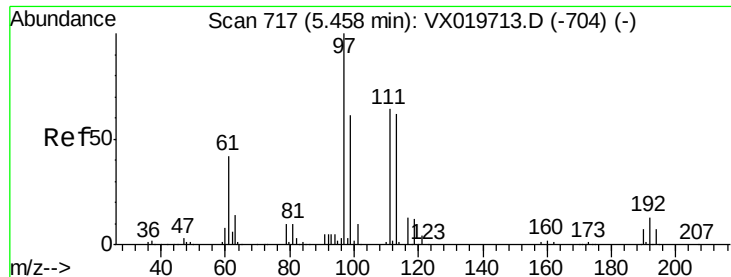
Tgt Ion: 65 Resp: 188080
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VX019887.D
 Acq: 11 Dec 2020 20:06

Tgt Ion: 114 Resp: 493621
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 46.620 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20201207

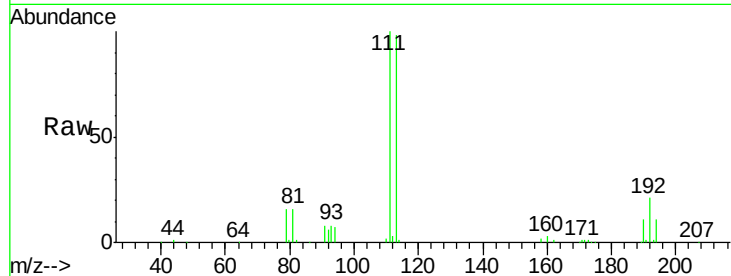
Tgt Ion:113 Resp: 148728

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

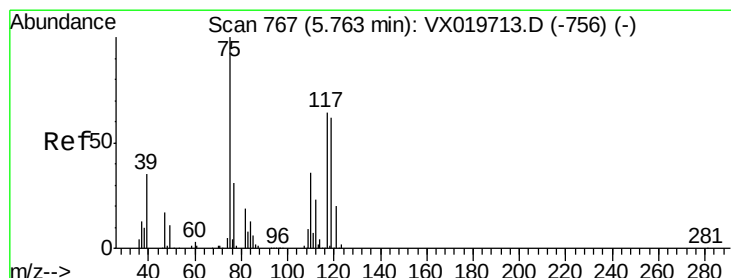
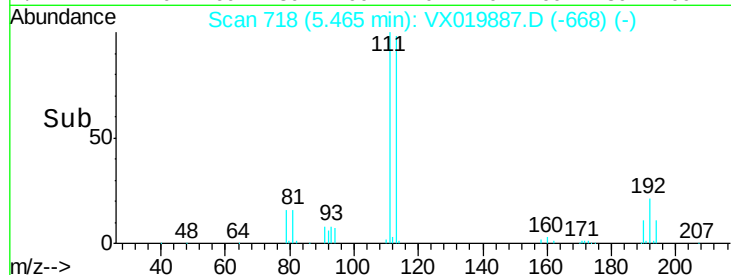
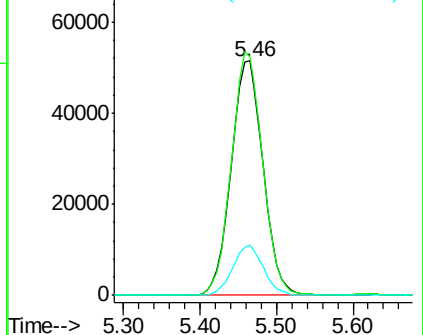
192 20.6 16.7 25.1



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: 4.998 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

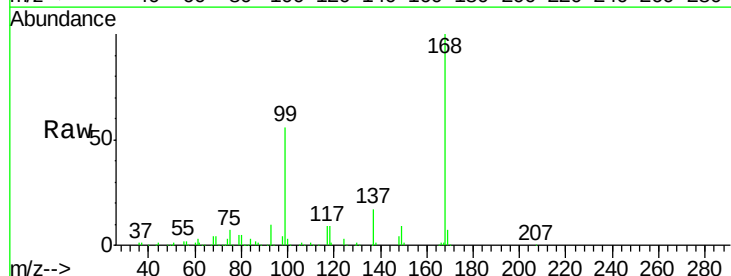
Tgt Ion: 75 Resp: 22292

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

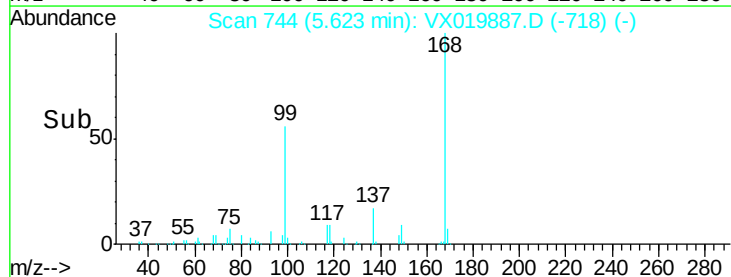
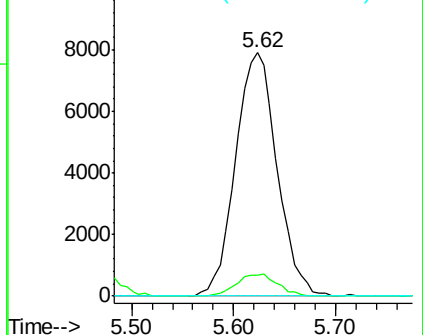
77 0.0 25.3 37.9#

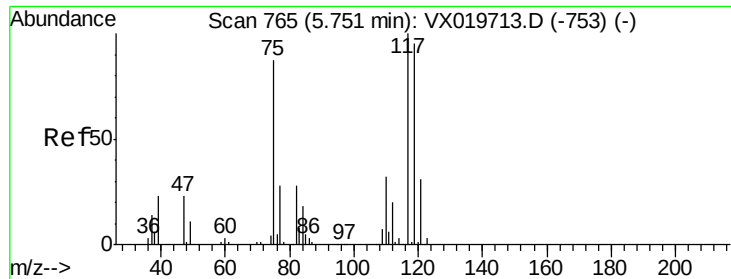


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.625 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20201207

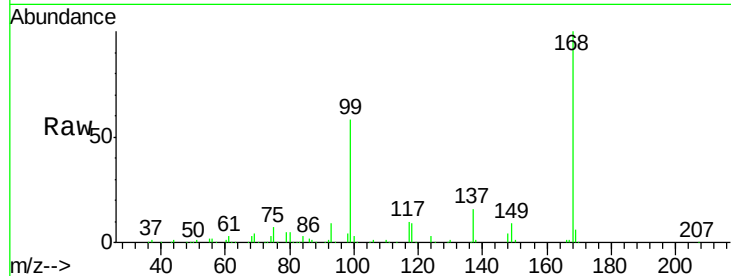
Tgt Ion: 117 Resp: 28936

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

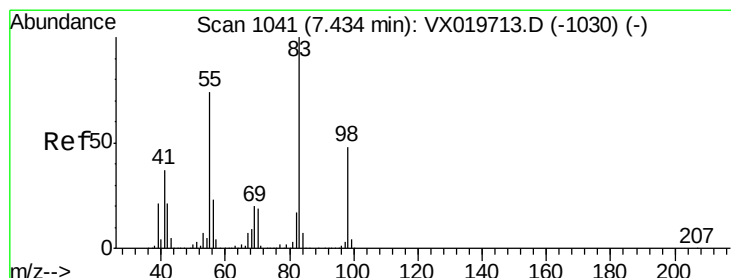
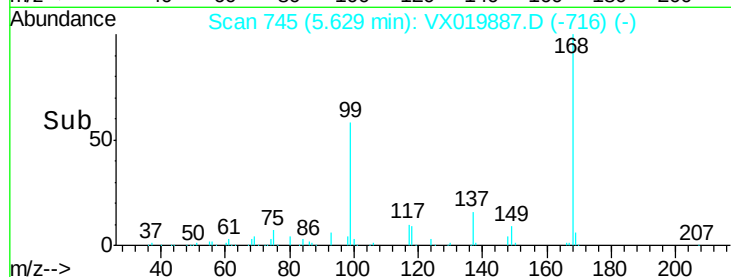
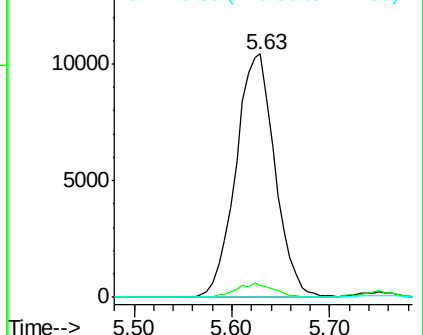
121 0.0 24.8 37.2#



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: 0.710 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.25 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

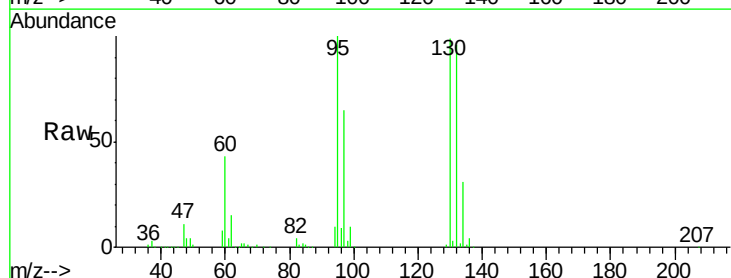
Tgt Ion: 83 Resp: 3720

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

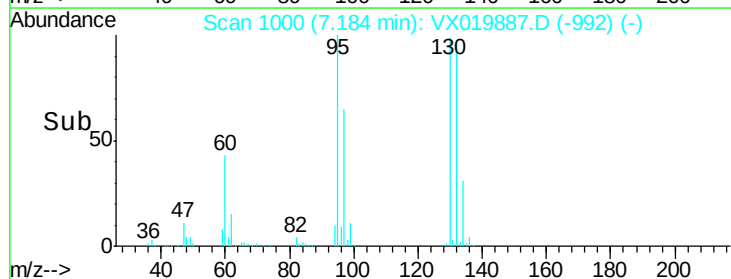
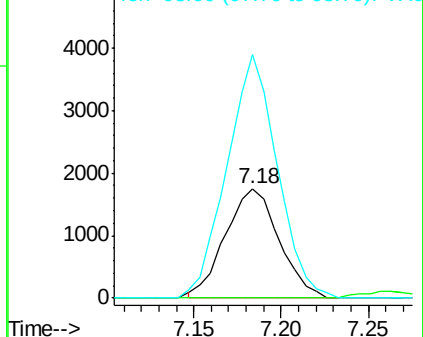
98 222.3 38.1 57.1#

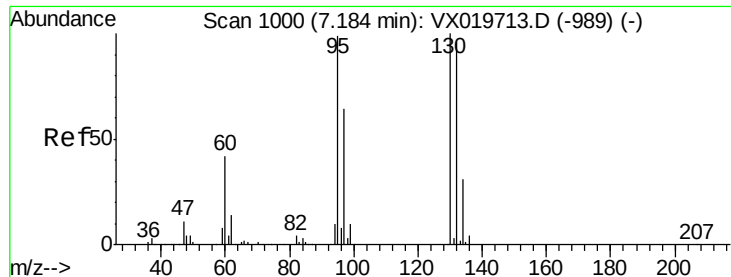


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 88.304 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

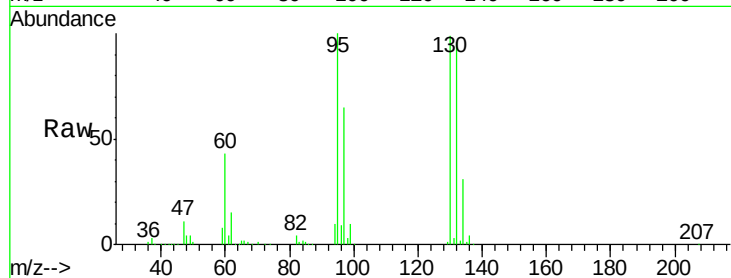
RE132D7-20201207

Tgt Ion:130 Resp: 315690

Ion Ratio Lower Upper

130 100

95 101.4 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

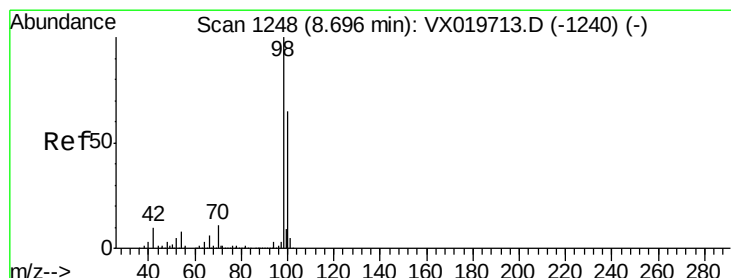
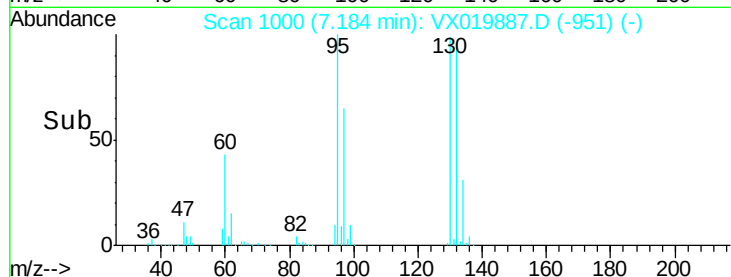
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 48.732 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019887.D

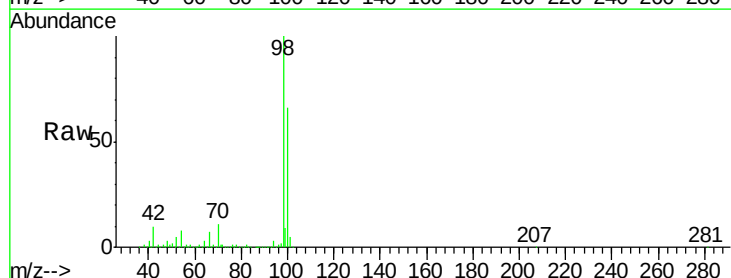
Acq: 11 Dec 2020 20:06

Tgt Ion: 98 Resp: 593529

Ion Ratio Lower Upper

98 100

100 65.9 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

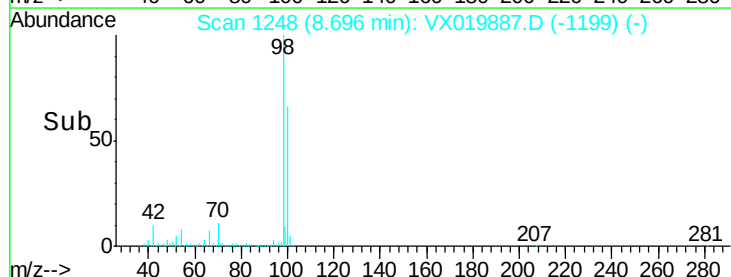
300000

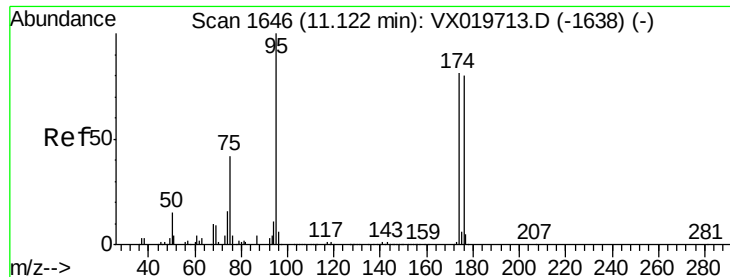
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.811 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20201207

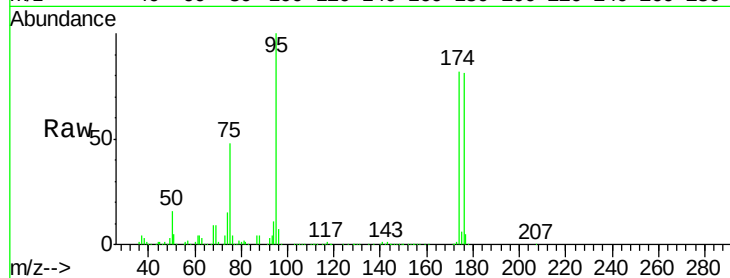
Tgt Ion: 95 Resp: 212364

Ion Ratio Lower Upper

95 100

174 78.1 0.0 154.6

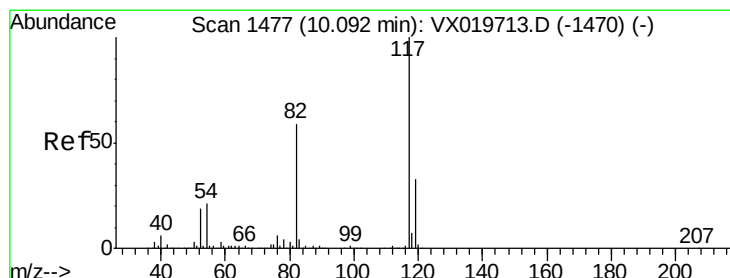
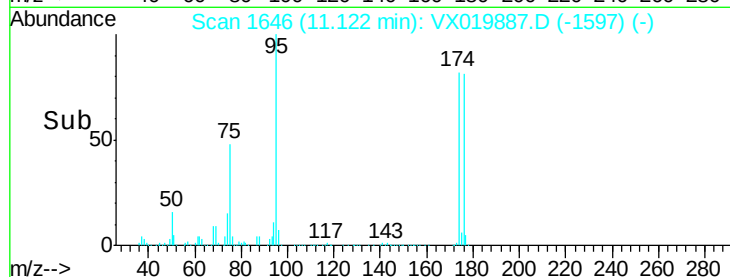
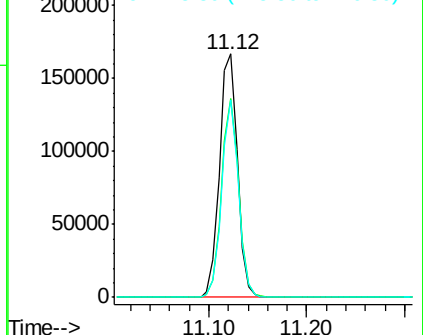
176 75.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

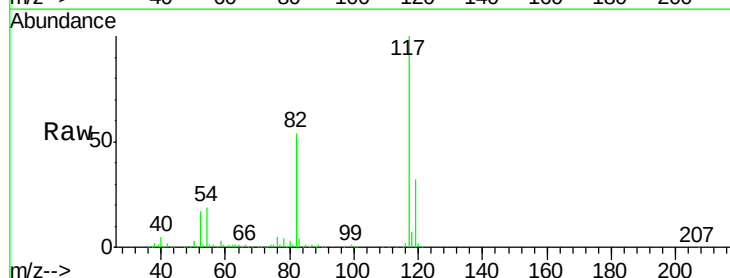
Tgt Ion: 117 Resp: 451147

Ion Ratio Lower Upper

117 100

82 54.1 47.4 71.2

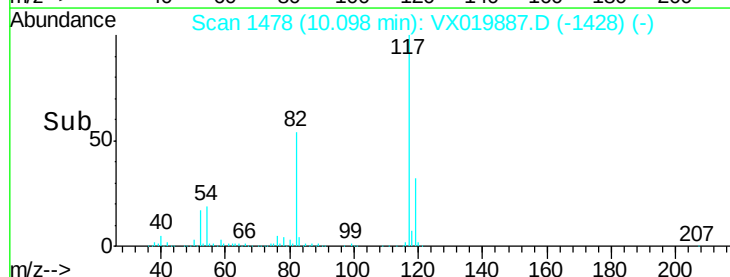
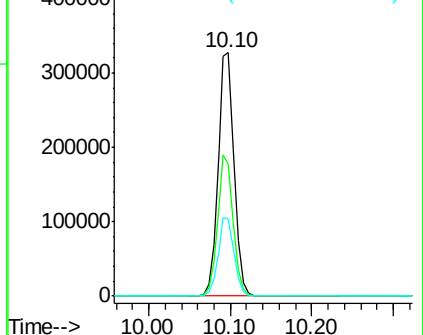
119 31.9 26.6 39.8

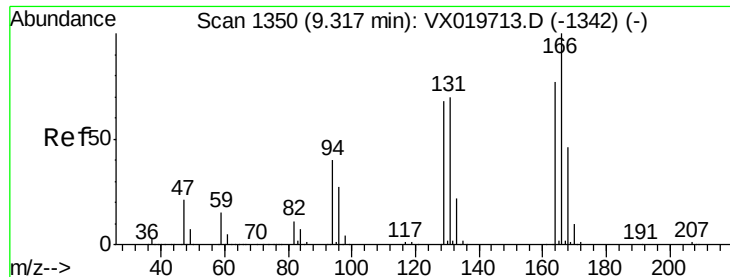


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

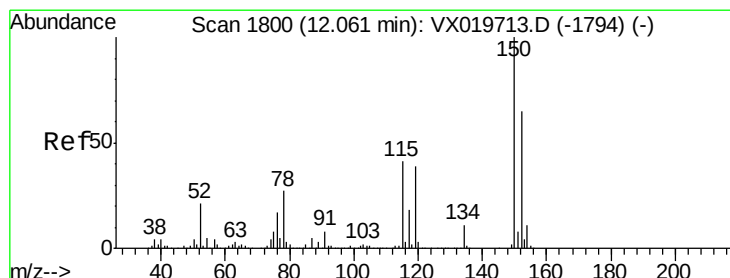
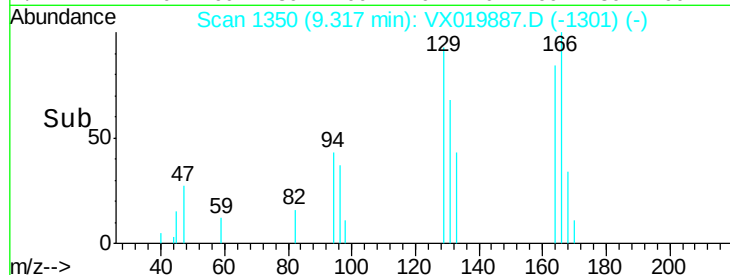
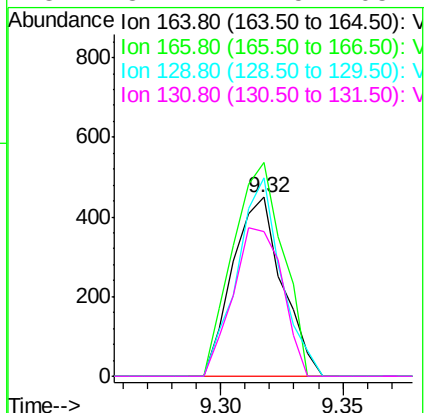
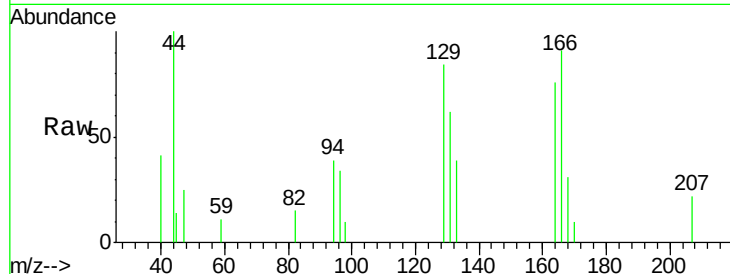




#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX019887.D
Acq: 11 Dec 2020 20:06

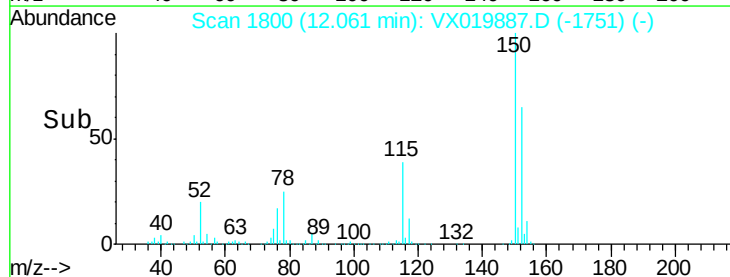
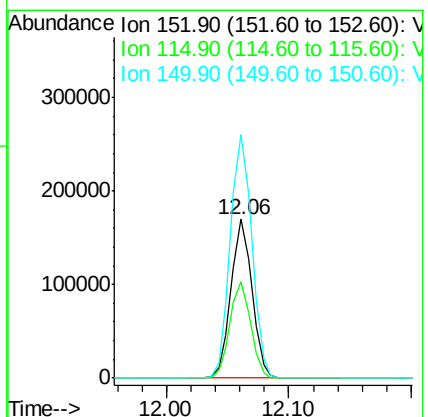
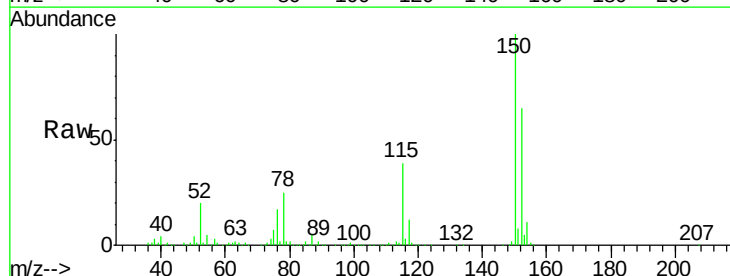
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20201207

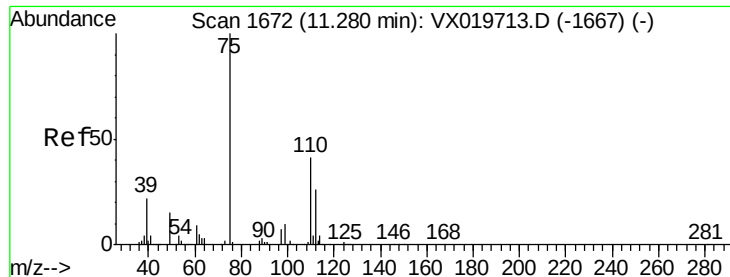
Tgt Ion:164 Resp: 636
Ion Ratio Lower Upper
164 100
166 119.4 103.4 155.2
129 110.9 70.8 106.2#
131 81.1 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019887.D
Acq: 11 Dec 2020 20:06

Tgt Ion:152 Resp: 200227
Ion Ratio Lower Upper
152 100
115 60.3 41.1 123.3
150 157.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.111 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Instrument :

MSVOA_X

ClientSampleId :

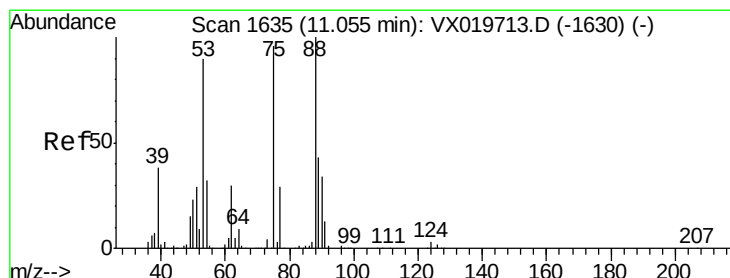
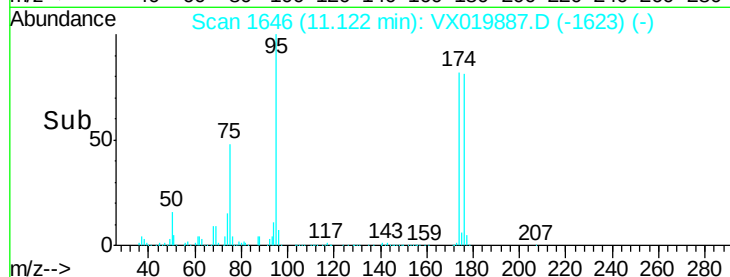
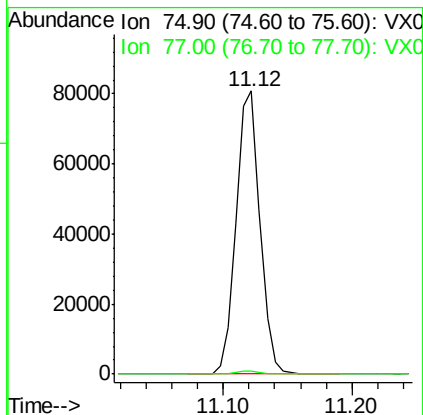
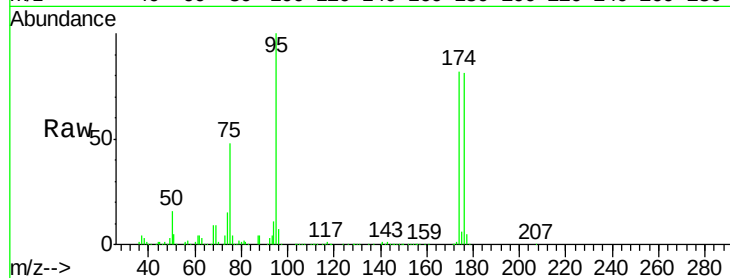
RE132D7-20201207

Tgt Ion: 75 Resp: 103785

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.809 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019887.D

Acq: 11 Dec 2020 20:06

Tgt Ion: 75 Resp: 103785

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

