

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019895.D
 Acq On : 11 Dec 2020 23:12
 Operator : JC/MD
 Sample : L4996-19DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE134D3-20201208DL

Quant Time: Dec 12 00:07:36 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	5.63	168	317984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	533430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	487534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	210053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	204239	48.87	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.74%
35) Dibromofluoromethane	5.46	113	166983	48.44	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.88%
50) Toluene-d8	8.70	98	643304	48.88	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.76%
62) 4-Bromofluorobenzene	11.12	95	227034	45.32	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.64%

Target Compounds

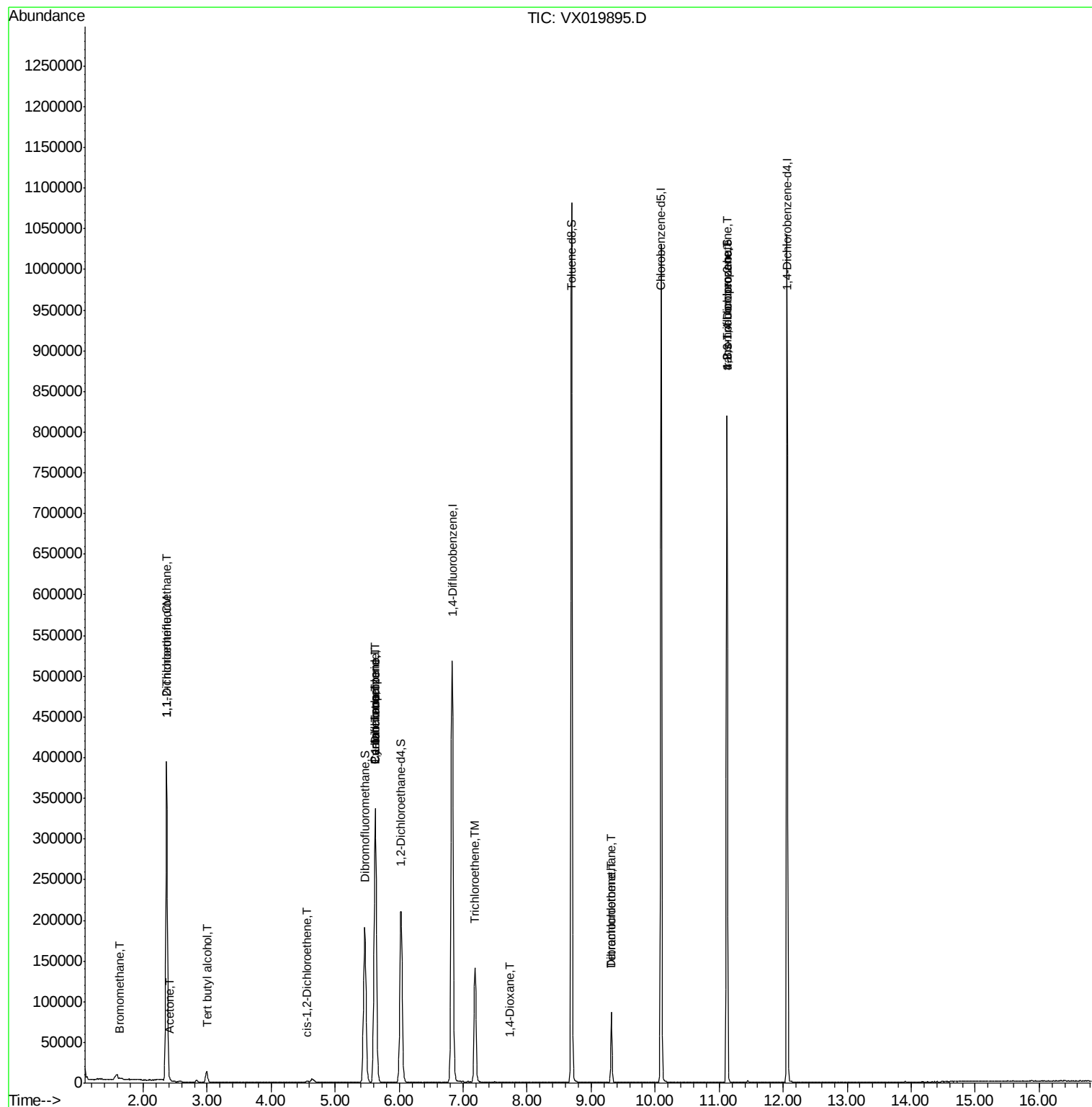
					Qvalue	
5) Bromomethane	1.64	94	487	0.406	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.37	101	158718	55.077	ug/l	99
11) Tert butyl alcohol	2.99	59	8077	6.859	ug/l #	74
12) 1,1-Dichloroethene	2.36	96	1221	0.419	ug/l	79
16) Acetone	2.42	43	741	0.472	ug/l #	66
20) Methylene Chloride	2.83	84	1128	Below Cal		92
27) cis-1,2-Dichloroethene	4.56	96	1039	0.261	ug/l	84
31) Cyclohexane	5.62	56	6233	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23934	4.965	ug/l #	49
38) Carbon Tetrachloride	5.62	117	30990	6.565	ug/l #	16
44) Trichloroethene	7.19	130	55134	14.271	ug/l	99
49) 1,4-Dioxane	7.72	88	282	2.991	ug/l #	36
60) Dibromochloromethane	9.32	129	16090	4.267	ug/l #	11
64) Tetrachloroethene	9.32	164	17216	5.266	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	109731	23.292	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	109731	67.333	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

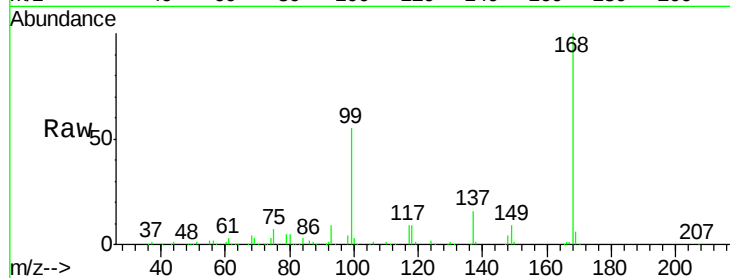
RE134D3-20201208DL

Tgt Ion: 168 Resp: 317984

Ion Ratio Lower Upper

168 100

99 55.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

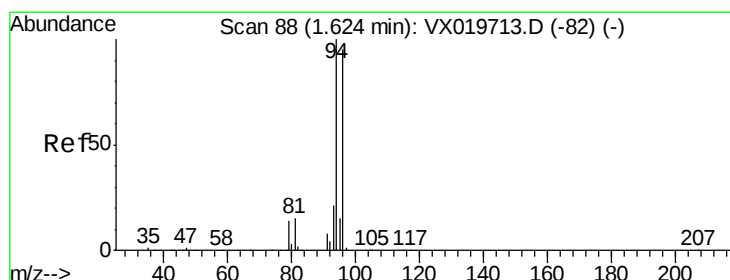
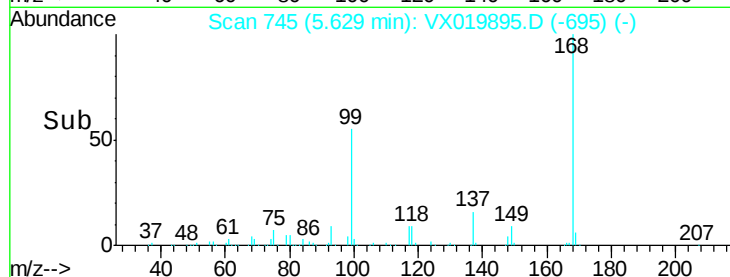
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.406 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019895.D

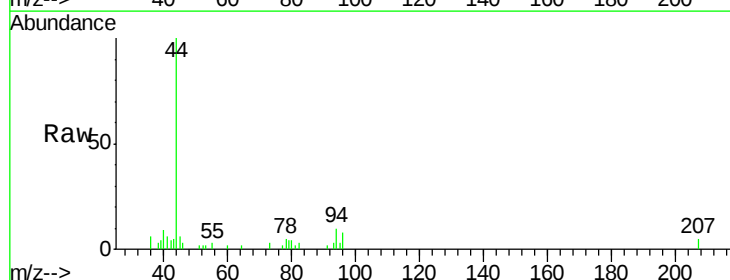
Acq: 11 Dec 2020 23:12

Tgt Ion: 94 Resp: 487

Ion Ratio Lower Upper

94 100

96 76.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

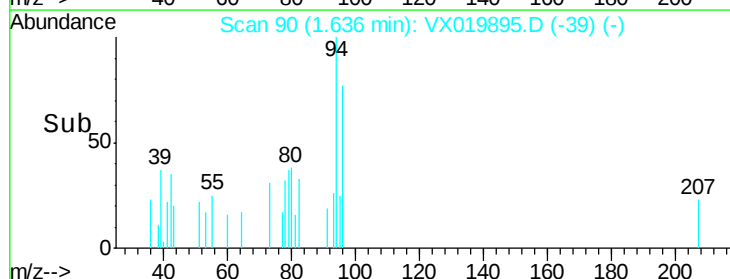
200

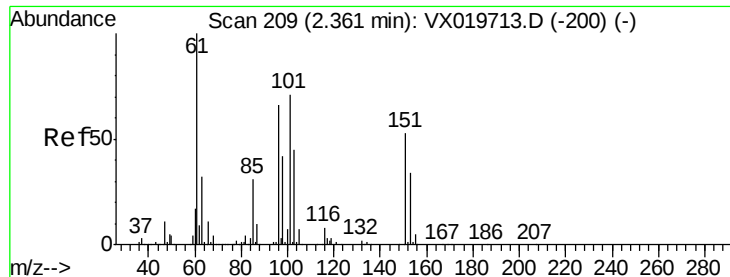
100

0

Time-->

1.60 1.65 1.70





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.077 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20201208DL

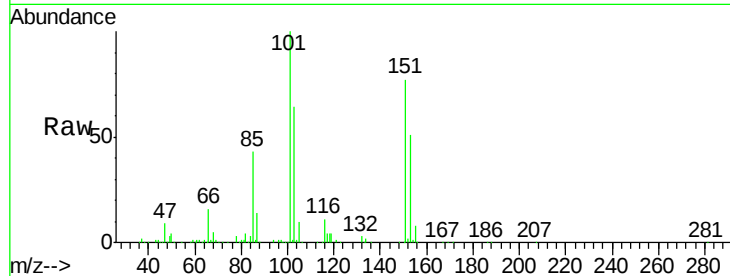
Tgt Ion:101 Resp: 158718

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

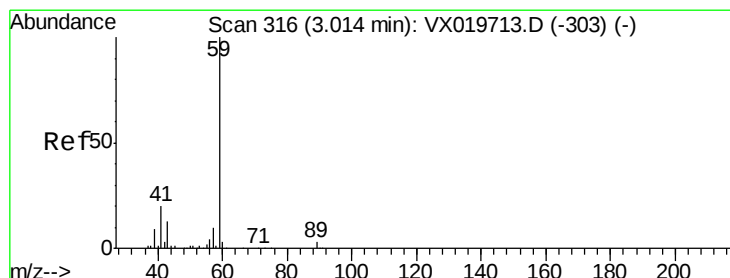
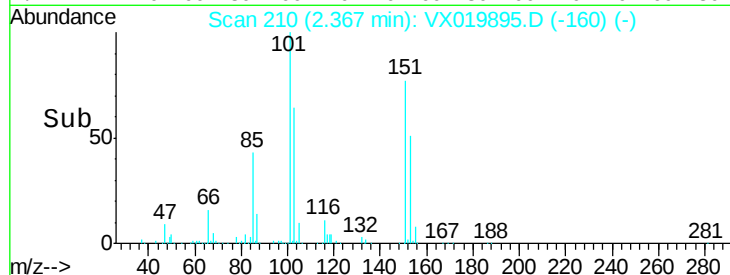
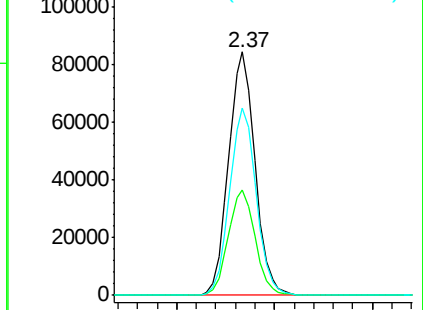
151 77.4 61.4 92.2



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: 6.859 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019895.D

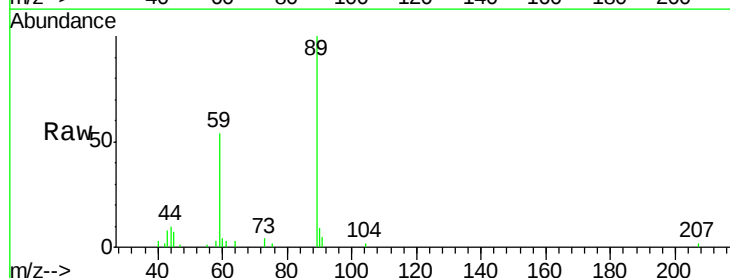
Acq: 11 Dec 2020 23:12

Tgt Ion: 59 Resp: 8077

Ion Ratio Lower Upper

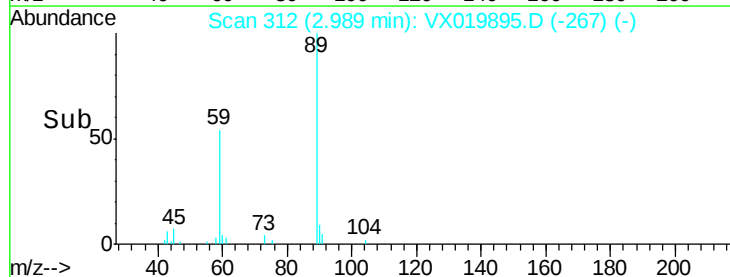
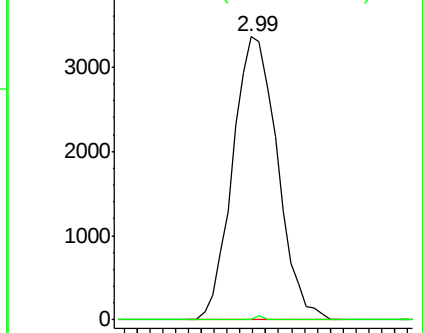
59 100

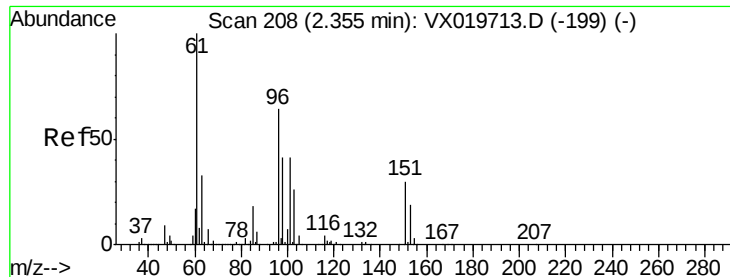
57 0.2 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.419 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20201208DL

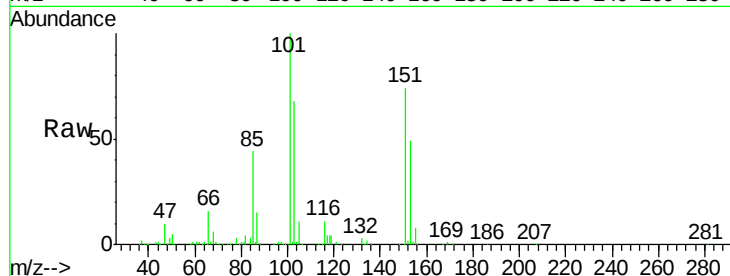
Tgt Ion: 96 Resp: 1221

Ion Ratio Lower Upper

96 100

61 124.8 124.6 187.0

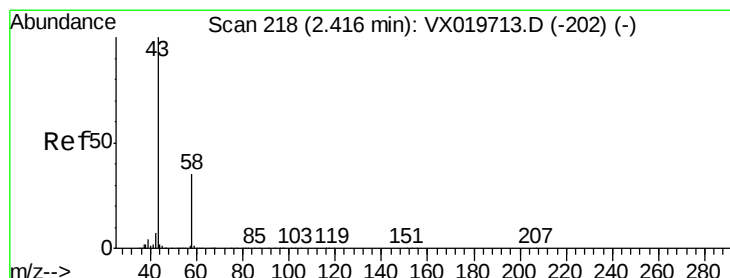
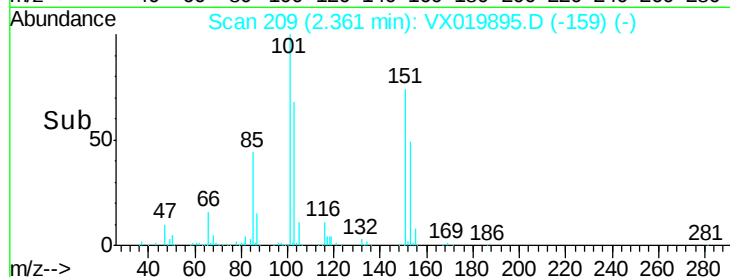
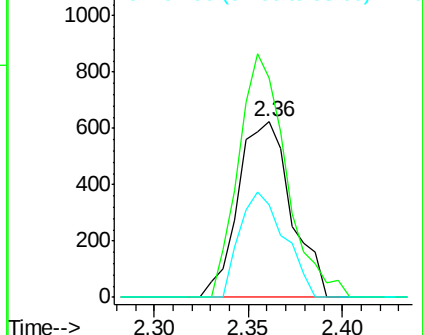
98 53.0 50.6 76.0



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: 0.472 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019895.D

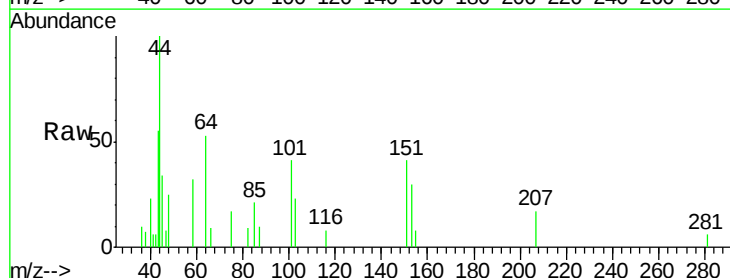
Acq: 11 Dec 2020 23:12

Tgt Ion: 43 Resp: 741

Ion Ratio Lower Upper

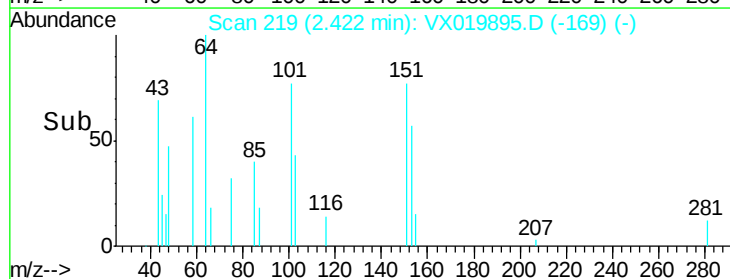
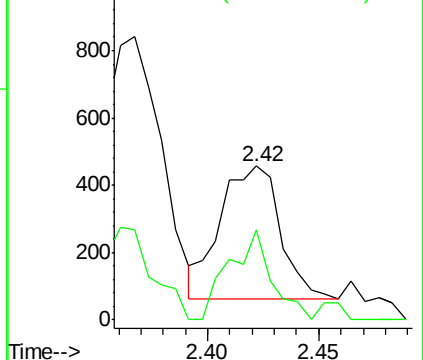
43 100

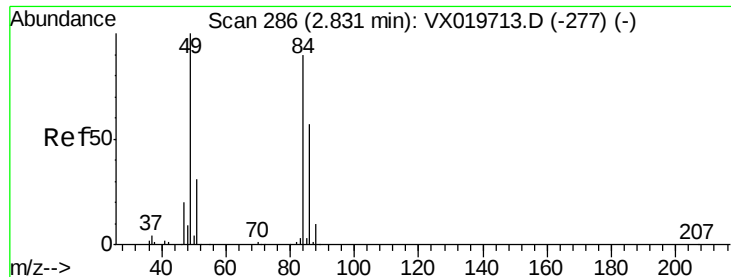
58 54.7 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

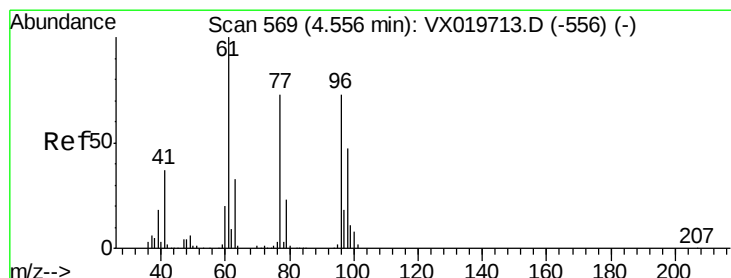
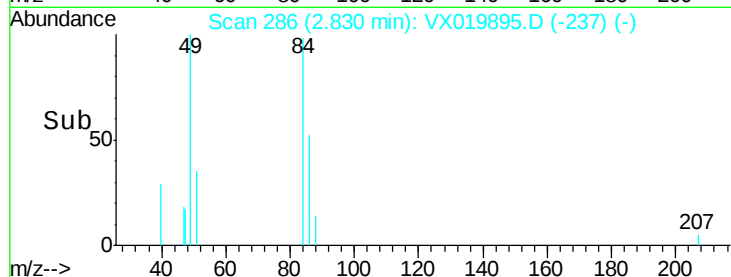
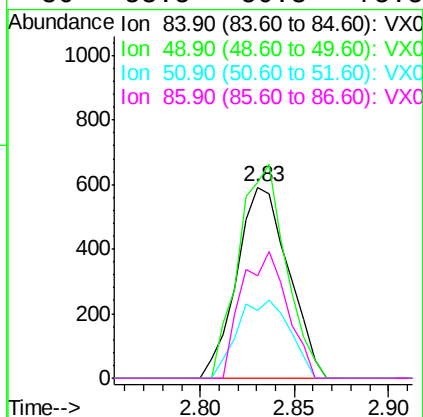
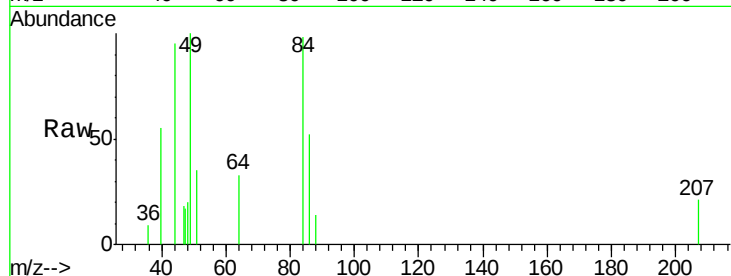




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019895.D
Acq: 11 Dec 2020 23:12

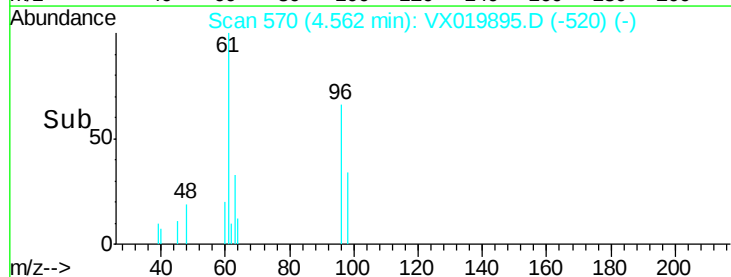
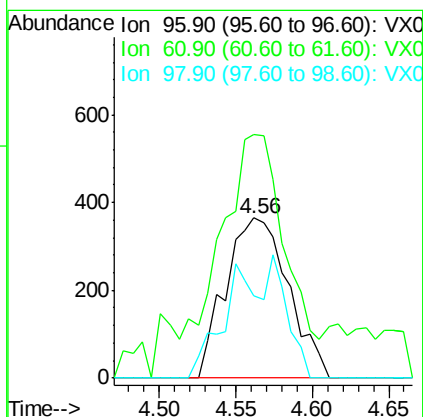
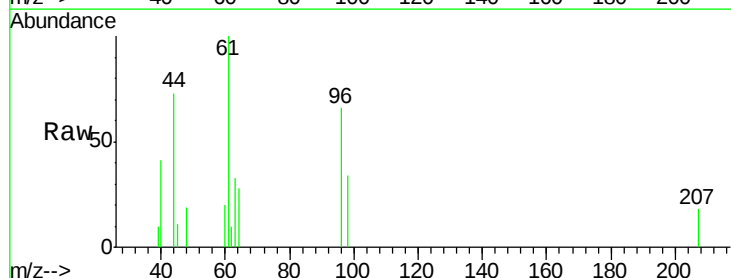
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20201208DL

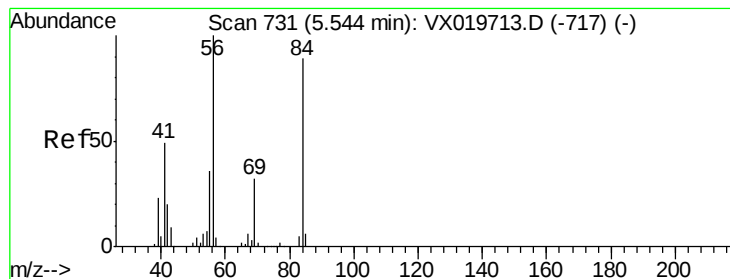
Tgt Ion:	84	Resp:	1128
Ion	Ratio	Lower	Upper
84	100		
49	102.4	88.6	132.8
51	35.5	27.0	40.6
86	53.5	50.3	75.5



#27
cis-1,2-Dichloroethene
Concen: 0.261 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019895.D
Acq: 11 Dec 2020 23:12

Tgt Ion:	96	Resp:	1039
Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	285.6
98	42.6	0.0	129.6





#31

Cyclohexane

Concen: 1.199 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20201208DL

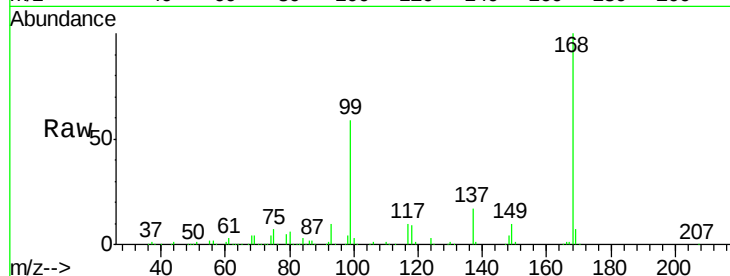
Tgt Ion: 56 Resp: 6233

Ion Ratio Lower Upper

56 100

69 194.8 25.3 37.9#

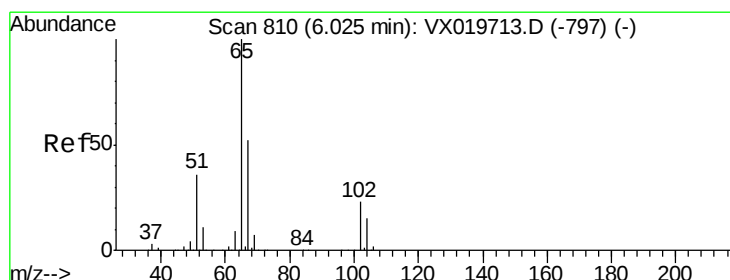
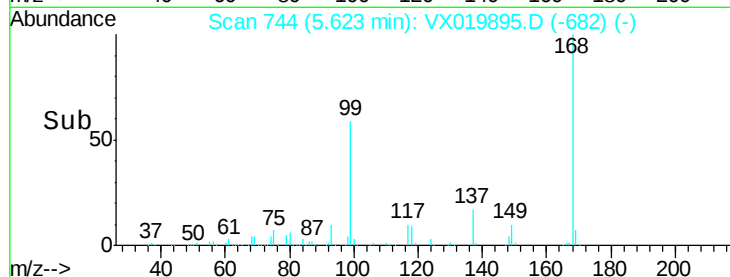
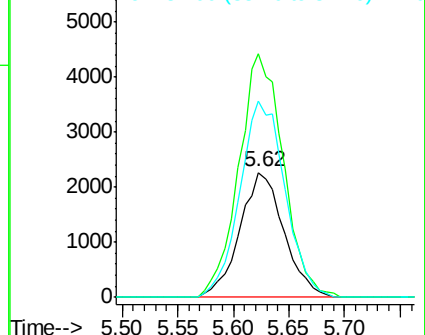
84 157.2 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.870 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019895.D

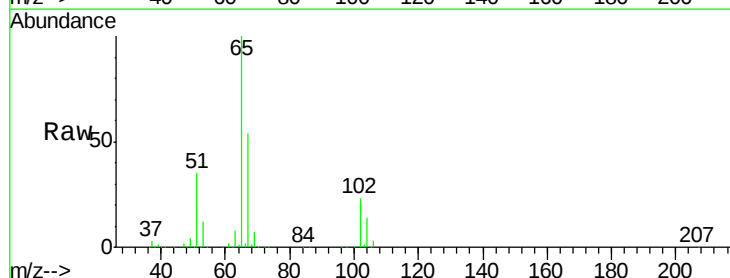
Acq: 11 Dec 2020 23:12

Tgt Ion: 65 Resp: 204239

Ion Ratio Lower Upper

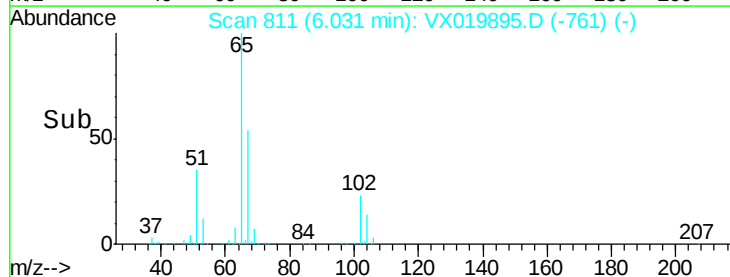
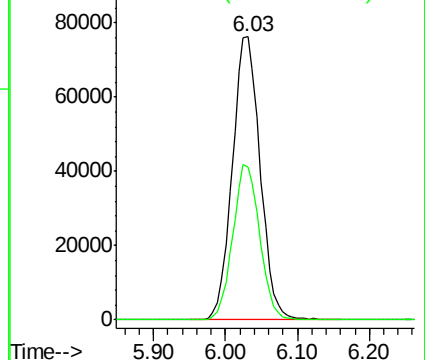
65 100

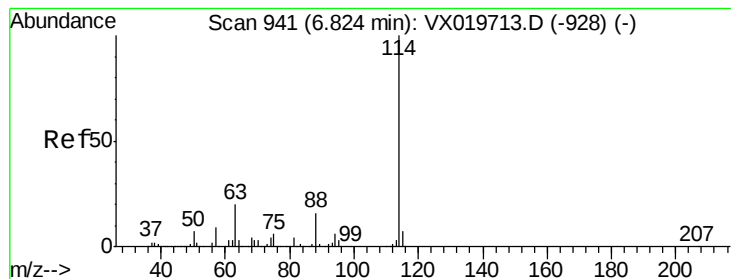
67 53.2 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

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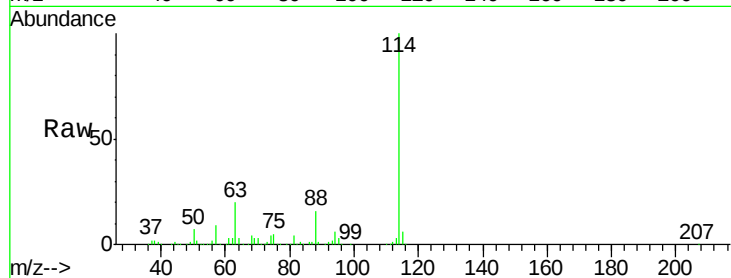
Tgt Ion:114 Resp: 533430

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

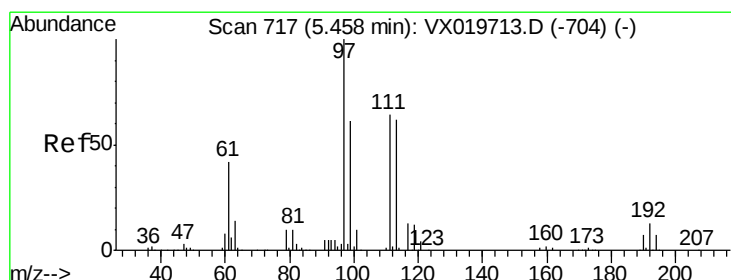
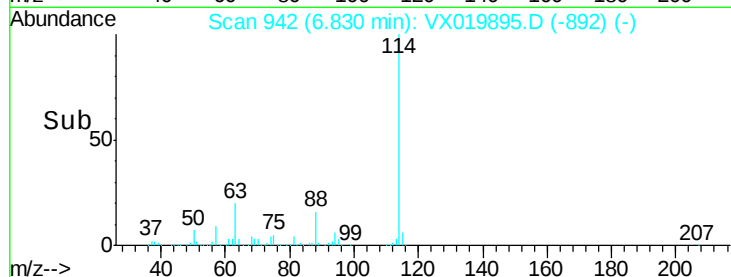
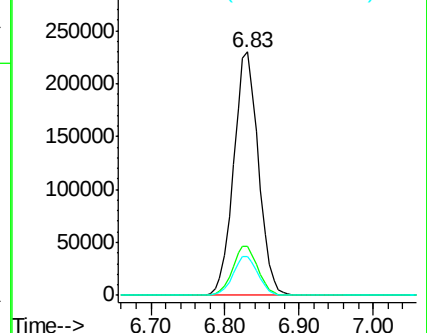
88 15.8 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 48.436 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

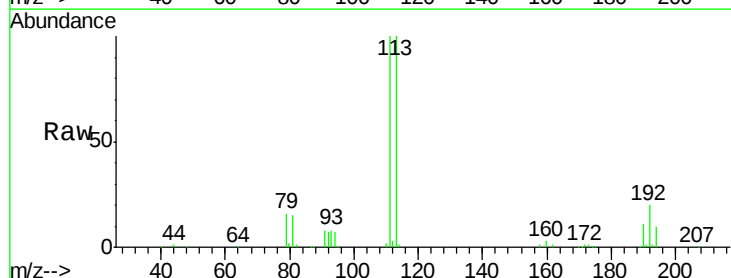
Tgt Ion:113 Resp: 166983

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

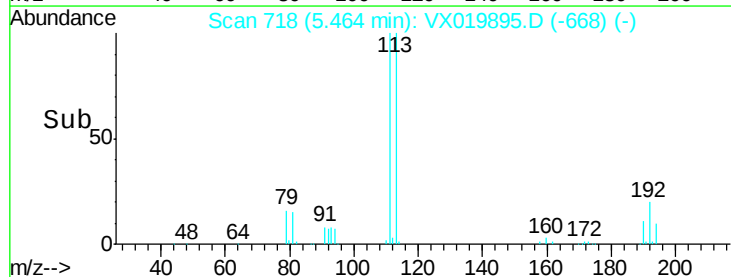
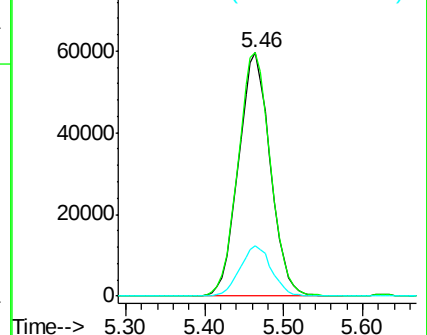
192 20.4 16.7 25.1

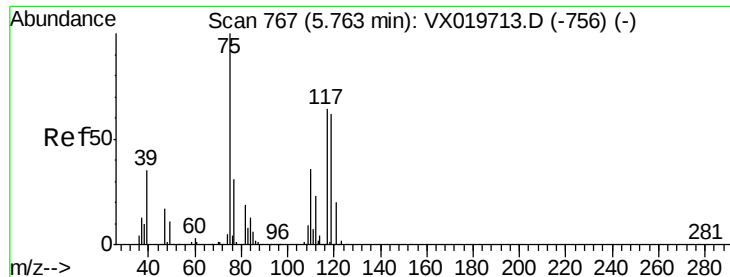


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.965 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

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RE134D3-20201208DL

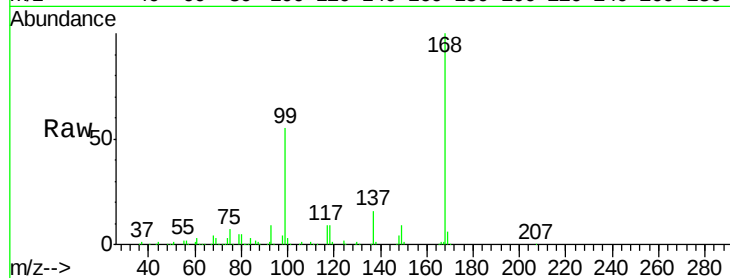
Tgt Ion: 75 Resp: 23934

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

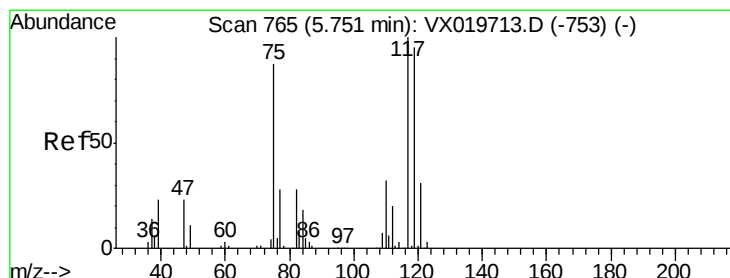
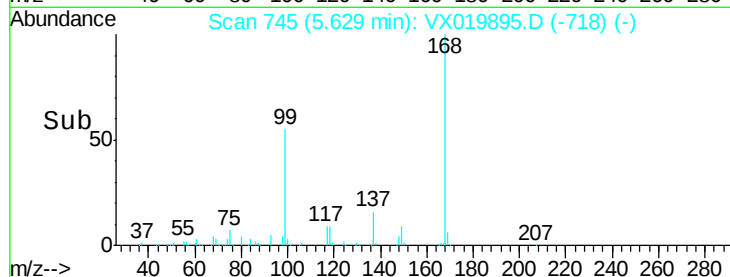
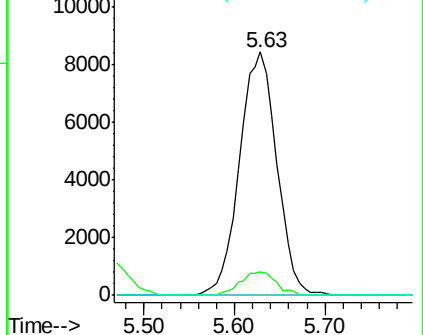
77 0.0 25.3 37.9#



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: 6.565 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

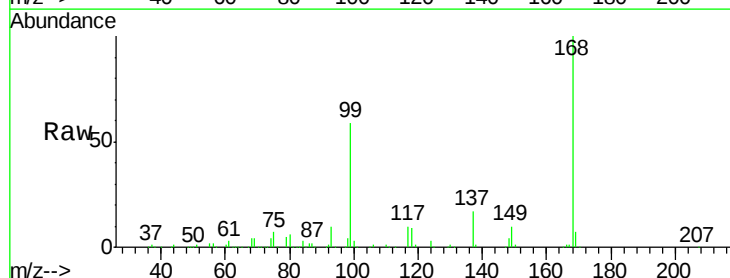
Tgt Ion: 117 Resp: 30990

Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

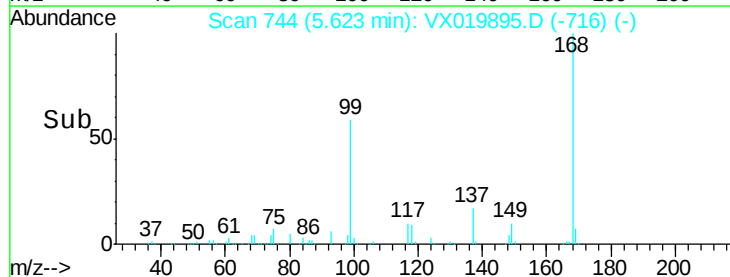
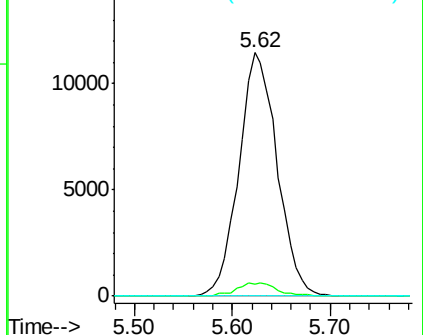
121 0.0 24.8 37.2#

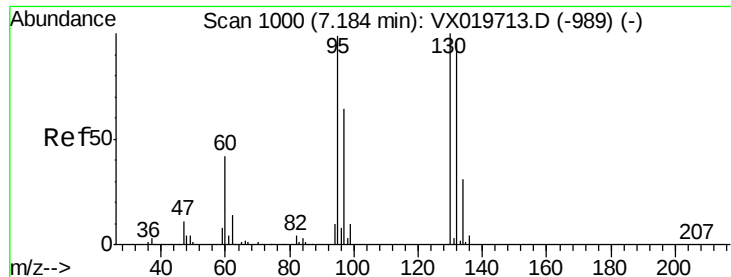


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 14.271 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

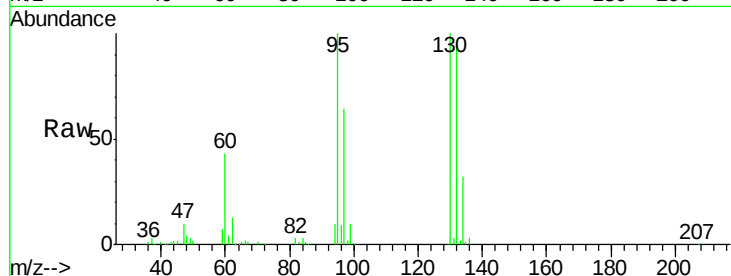
RE134D3-20201208DL

Tgt Ion:130 Resp: 55134

Ion Ratio Lower Upper

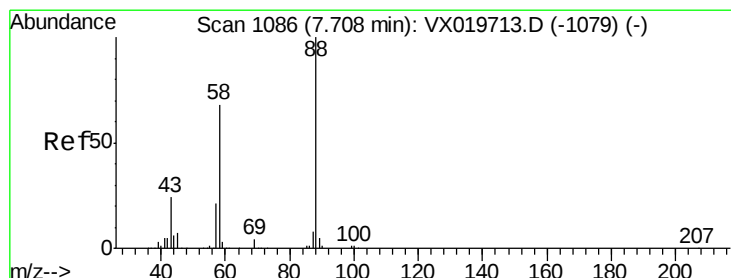
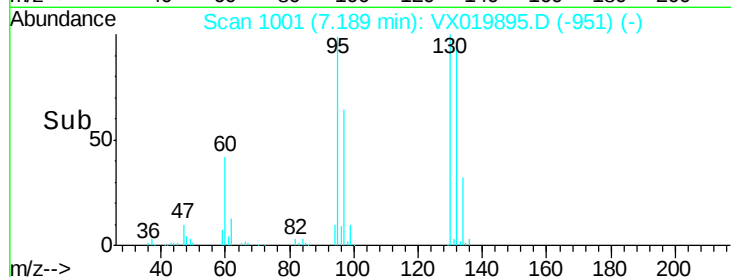
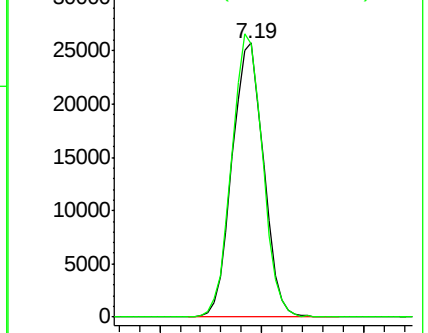
130 100

95 99.8 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.991 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

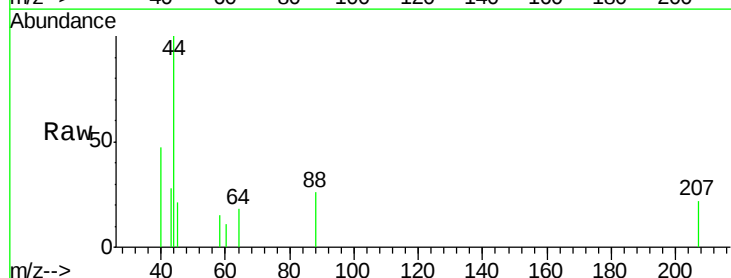
Tgt Ion: 88 Resp: 282

Ion Ratio Lower Upper

88 100

43 79.4 23.2 34.8#

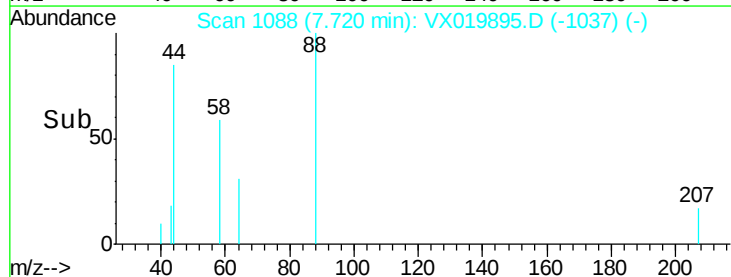
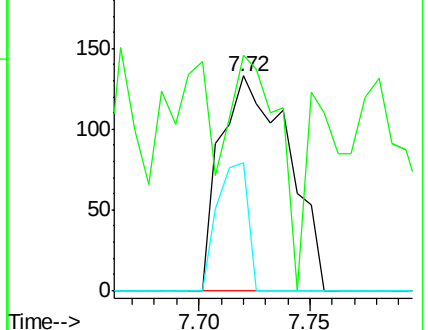
58 26.6 55.0 82.4#

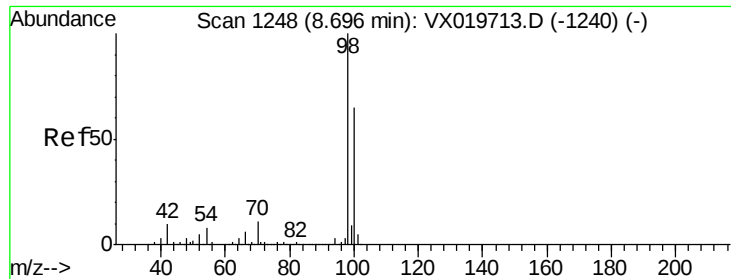


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

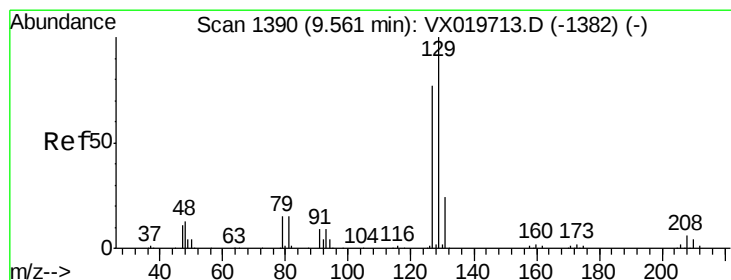
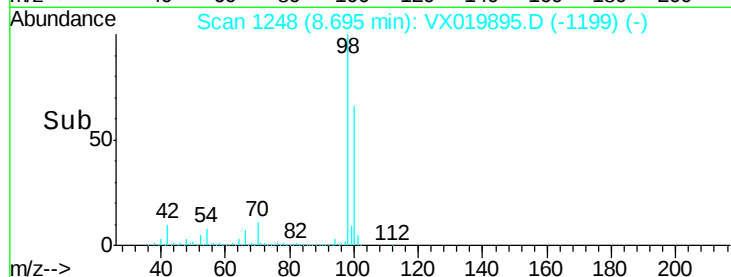
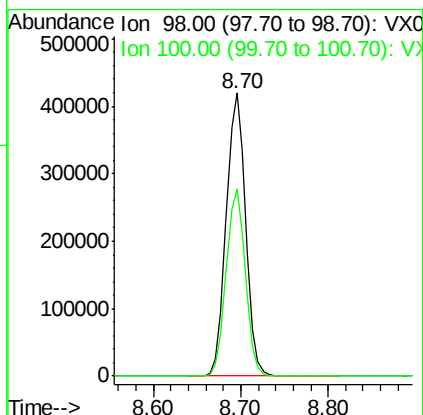
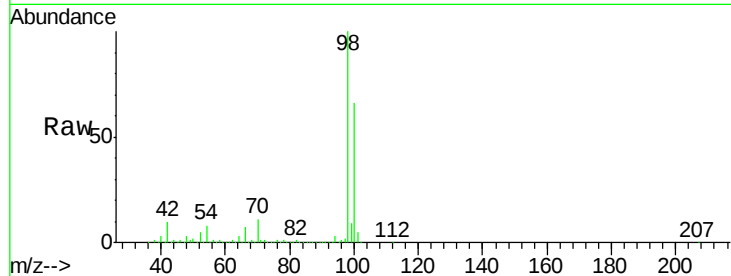




#50
Toluene-d8
Concen: 48.877 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019895.D
Acq: 11 Dec 2020 23:12

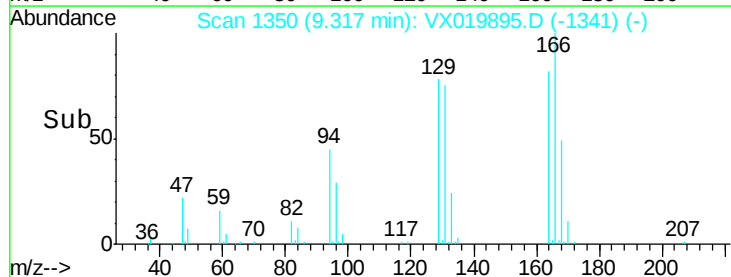
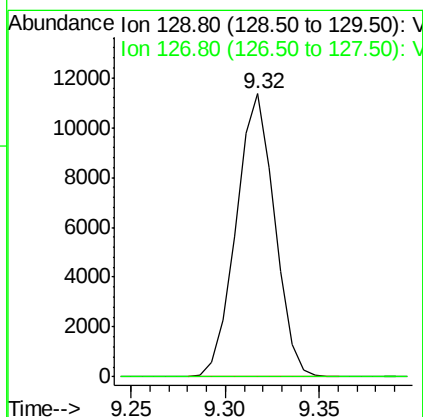
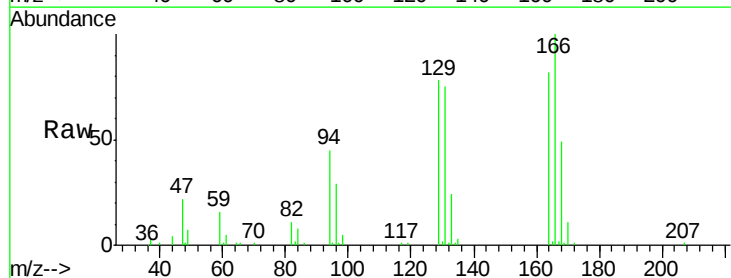
Instrument :
MSVOA_X
ClientSampleId :
RE134D3-20201208DL

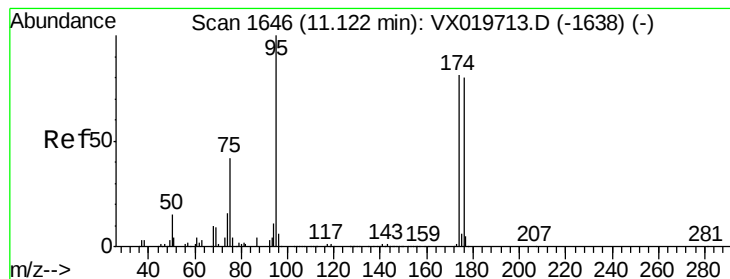
Tgt Ion: 98 Resp: 643304
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9



#60
Dibromochloromethane
Concen: 4.267 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.24 min
Lab File: VX019895.D
Acq: 11 Dec 2020 23:12

Tgt Ion: 129 Resp: 16090
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 45.321 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20201208DL

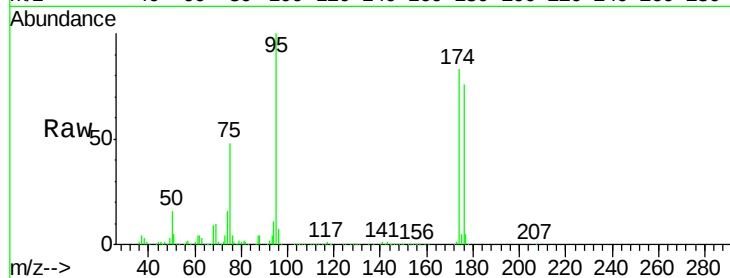
Tgt Ion: 95 Resp: 227034

Ion Ratio Lower Upper

95 100

174 78.9 0.0 154.6

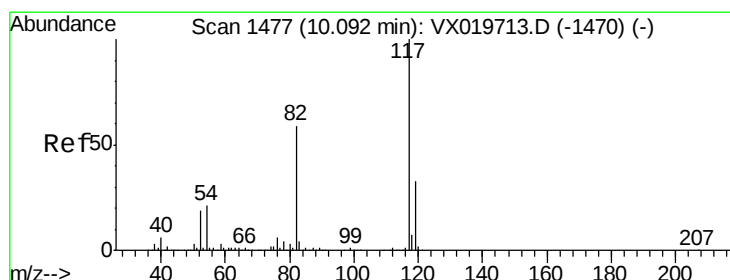
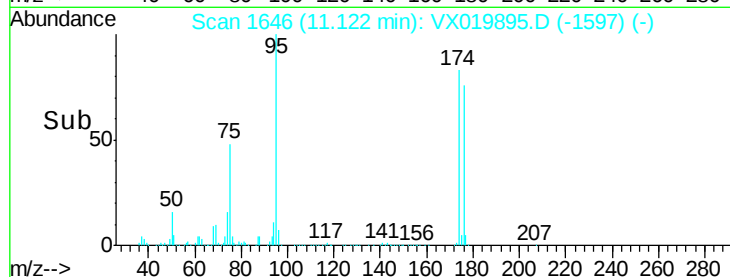
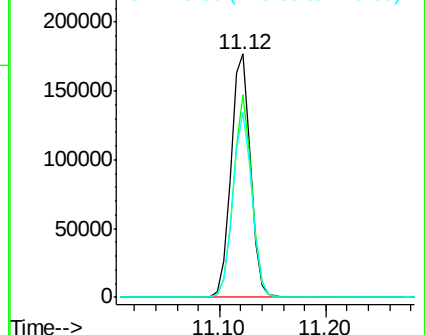
176 74.6 0.0 155.8



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: VX019895.D

Acq: 11 Dec 2020 23:12

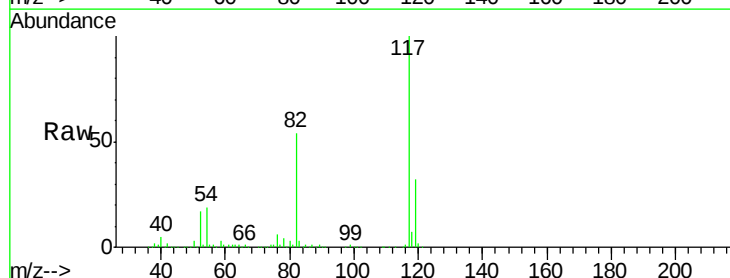
Tgt Ion: 117 Resp: 487534

Ion Ratio Lower Upper

117 100

82 54.2 47.4 71.2

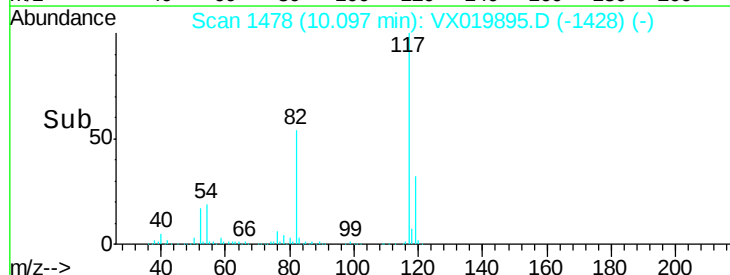
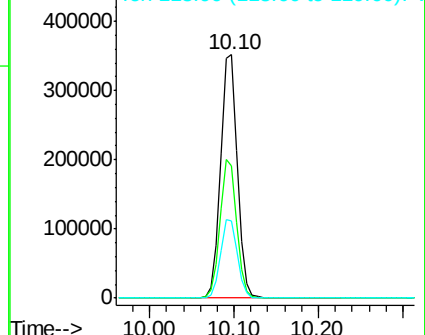
119 31.5 26.6 39.8

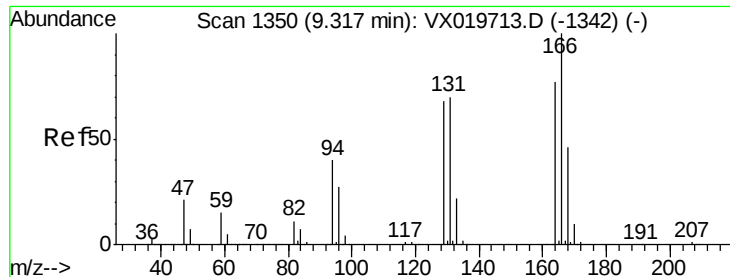


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 5.266 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

RE134D3-20201208DL

Tgt Ion:164 Resp: 17216

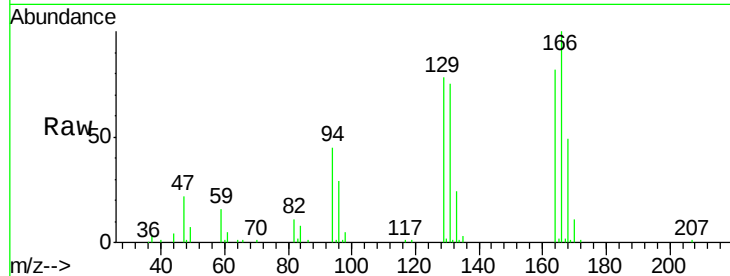
Ion Ratio Lower Upper

164 100

166 121.7 103.4 155.2

129 95.1 70.8 106.2

131 90.9 72.5 108.7

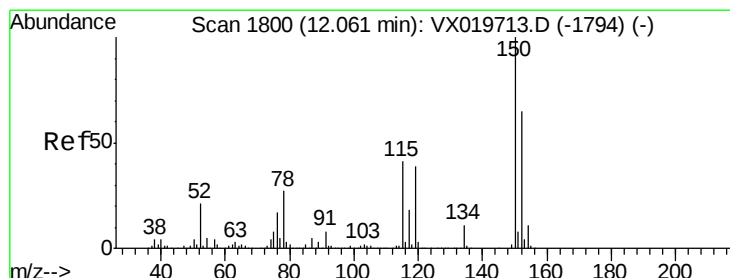
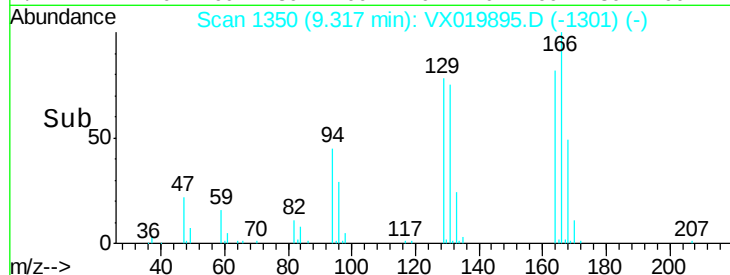
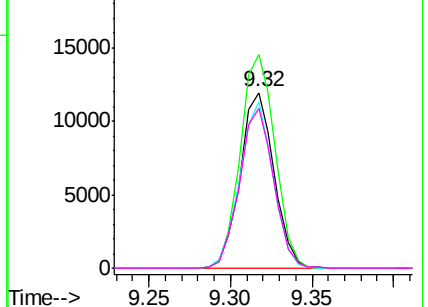


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

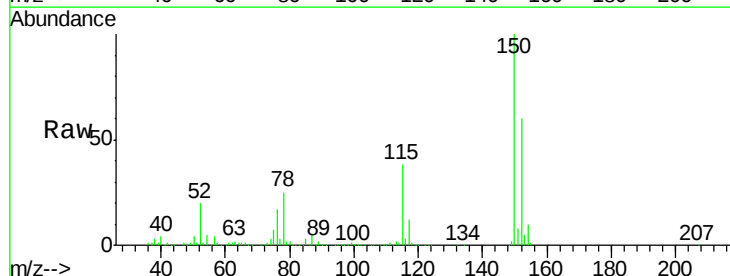
Tgt Ion:152 Resp: 210053

Ion Ratio Lower Upper

152 100

115 60.4 41.1 123.3

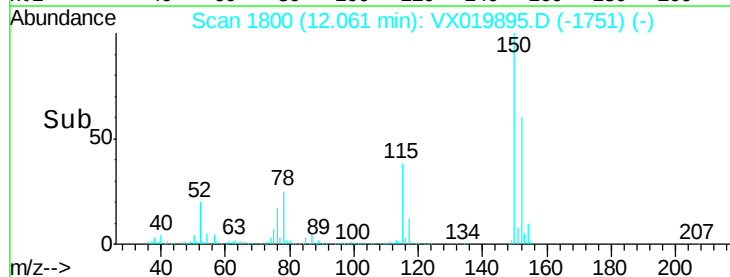
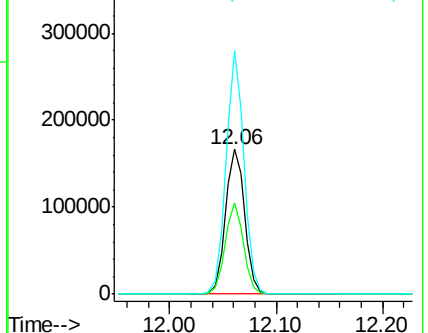
150 157.1 0.0 349.0

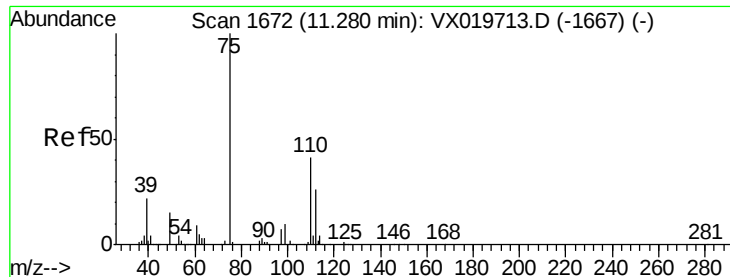


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.292 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Instrument :

MSVOA_X

ClientSampleId :

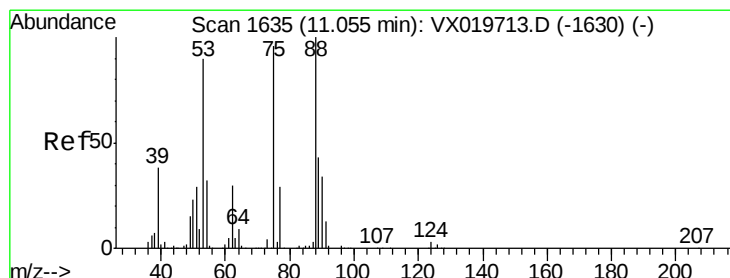
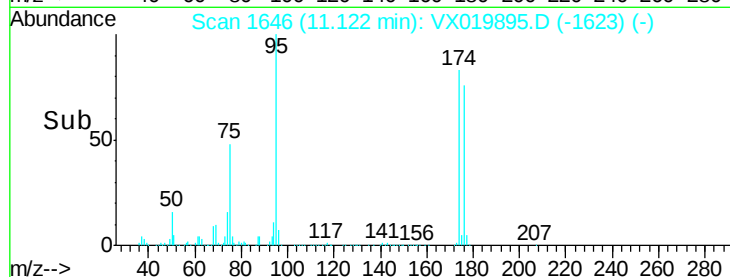
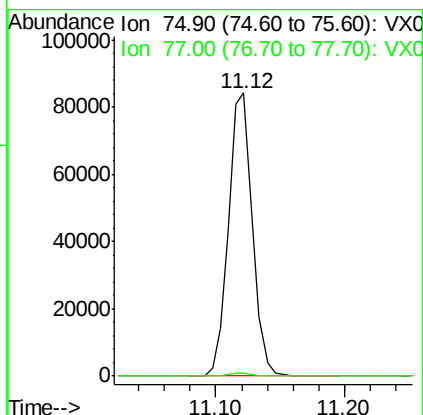
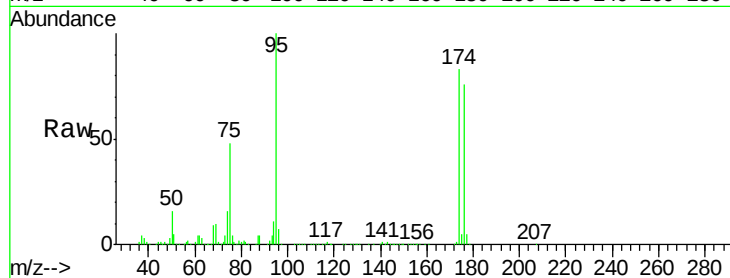
RE134D3-20201208DL

Tgt Ion: 75 Resp: 109731

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.333 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019895.D

Acq: 11 Dec 2020 23:12

Tgt Ion: 75 Resp: 109731

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

