

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016655.D
 Acq On : 08 Jun 2020 13:27
 Operator : SY/MD
 Sample : L2872-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFEP6

Quant Time: Jun 09 01:07:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 01:02:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	68878	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	68259	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	33430	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	103509	212.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	425.94%#
7) Chloroethane-d5	1.56	69	72608	248.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	497.94%#
11) 1,1-Dichloroethene-d2	2.12	63	137756	168.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	337.58%#
21) 2-Butanone-d5	3.89	46	165429	459.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	459.88%#
24) Chloroform-d	4.37	84	213176	215.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	431.42%#
26) 1,2-Dichloroethane-d4	5.05	65	152171	226.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	452.76%#
32) Benzene-d6	5.07	84	427775	217.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	434.80%#
36) 1,2-Dichloropropane-d6	6.09	67	133046	216.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	433.84%#
41) Toluene-d8	7.34	98	378799	209.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	419.58%#
43) trans-1,3-Dichloropropene-	7.64	79	58979	184.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	369.26%#
47) 2-Hexanone-d5	8.11	63	113783	425.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	425.51%#
57) 1,1,2,2-Tetrachloroethane-	10.24	84	176176	216.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	433.96%#
64) 1,2-Dichlorobenzene-d4	11.65	152	154439	216.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	432.96%#

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	952	1.906 ug/L	90
5) Vinyl chloride	1.32	62	814	1.658 ug/L #	1
6) Bromomethane	1.51	94	462	2.259 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1739	4.749 ug/L #	23
12) 1,1-Dichloroethene	2.12	96	1242	3.633 ug/L #	1
13) Acetone	2.17	43	1035	4.367 ug/L	89
14) Carbon disulfide	2.31	76	2539	2.051 ug/L #	78
16) Methylene chloride	2.52	84	663	1.322 ug/L #	81
20) cis-1,2-Dichloroethene	3.94	96	609	1.198 ug/L #	40
42) Toluene	7.42	91	1593	0.748 ug/L	86
46) Tetrachloroethene	8.00	164	50855	119.380 ug/L	96
48) 2-Hexanone	8.16	43	9097	15.765 ug/L #	89
58) 1,1,2,2-Tetrachloroethane	10.24	83	1234	1.588 ug/L #	1
62) 1,3-Dichlorobenzene	11.21	146	1068	1.009 ug/L	86
63) 1,4-Dichlorobenzene	11.30	146	874	0.811 ug/L #	22
67) 1,3,5-Trichlorobenzene	12.68	180	1262	1.598 ug/L #	78
68) 1,2,4-trichlorobenzene	13.30	180	1325	1.830 ug/L #	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016655.D
Acq On : 08 Jun 2020 13:27
Operator : SY/MD
Sample : L2872-14
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFEP6

Quant Time: Jun 09 01:07:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 09 01:02:25 2020
Response via : Initial Calibration

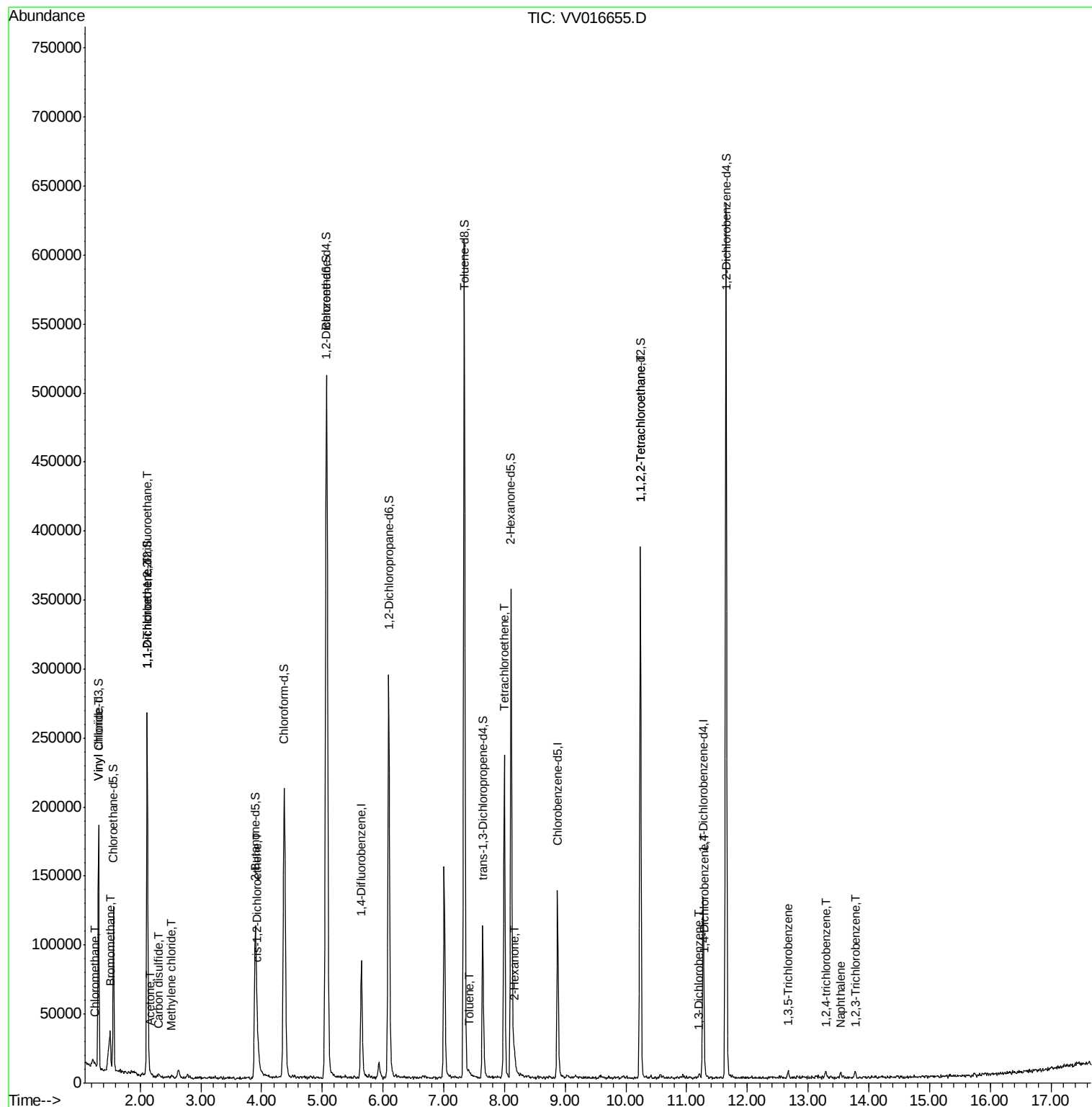
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.53	128	3007	1.443	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.77	180	1126	1.589	ug/L #	78

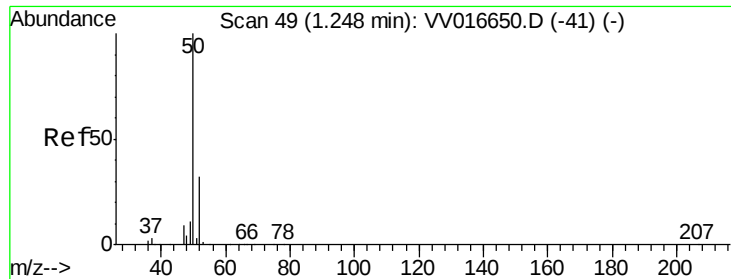
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
Data File : VV016655.D
Acq On : 08 Jun 2020 13:27
Operator : SY/MD
Sample : L2872-14
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFEP6

Quant Time: Jun 09 01:07:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 09 01:02:25 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.906 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

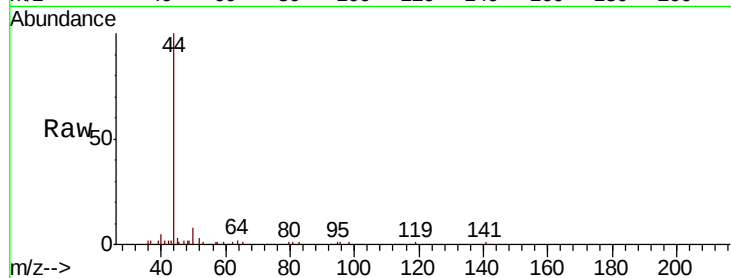
BFEP6

Tot Ion: 50 Resp: 952

Ion Ratio Lower Upper

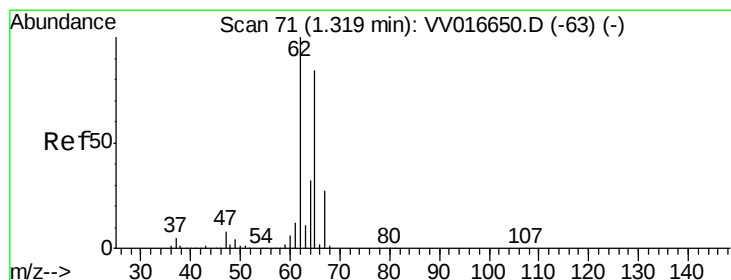
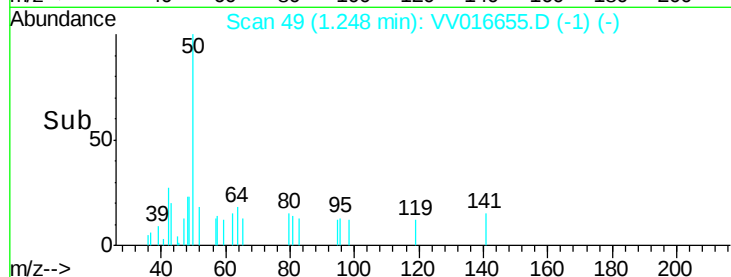
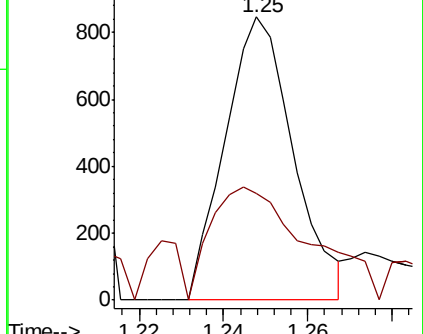
50 100

52 37.6 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#5

Vinyl chloride

Concen: 1.658 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016655.D

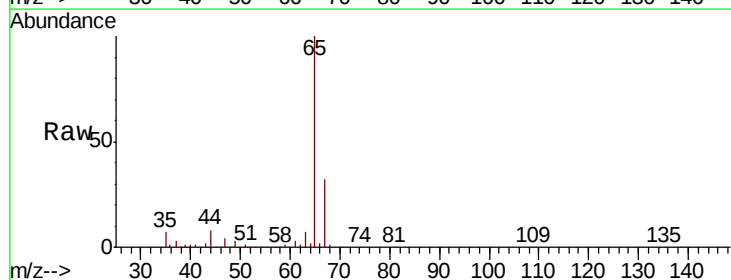
Acq: 08 Jun 2020 13:27

Tgt Ion: 62 Resp: 814

Ion Ratio Lower Upper

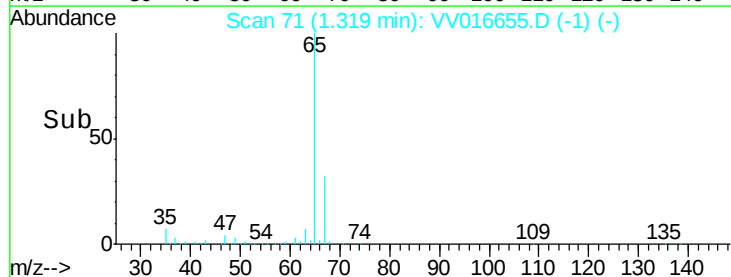
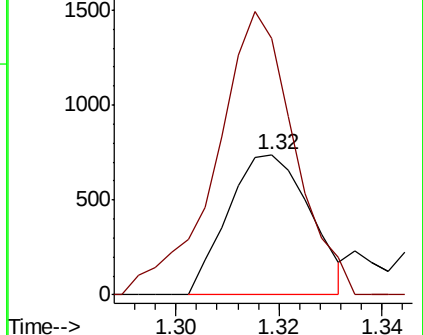
62 100

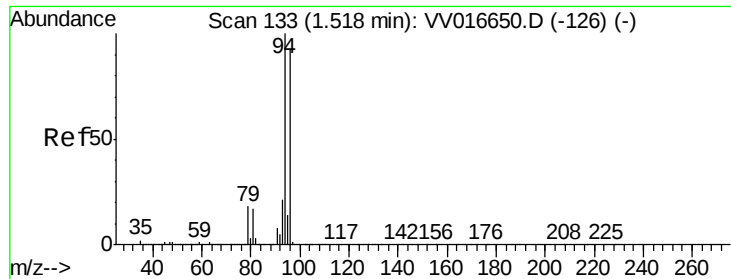
64 182.3 22.3 41.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0





#6

Bromomethane

Concen: 2.259 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

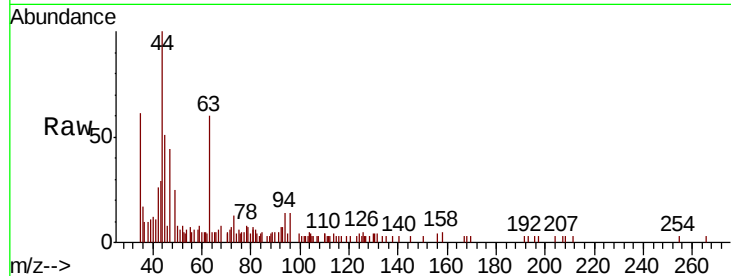
BFEP6

Tot Ion: 94 Resp: 462

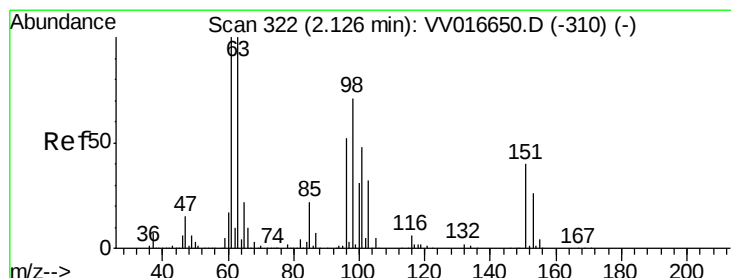
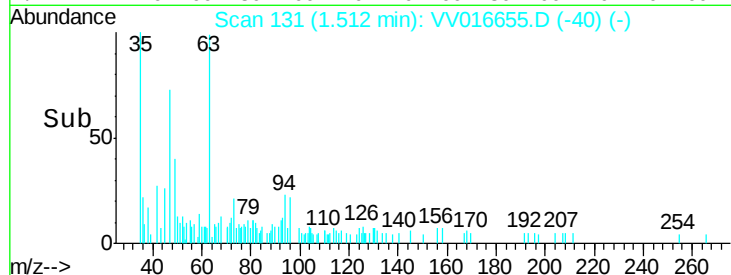
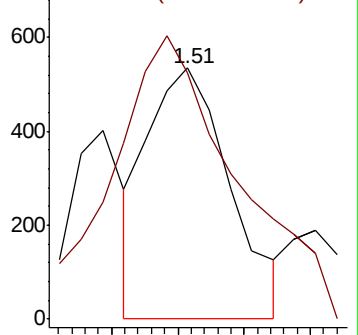
Ion Ratio Lower Upper

94 100

96 98.3 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.749 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

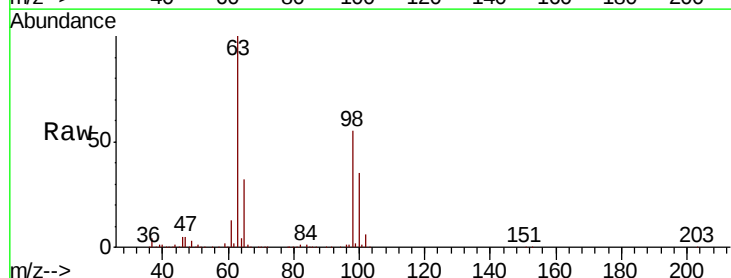
Tgt Ion: 101 Resp: 1739

Ion Ratio Lower Upper

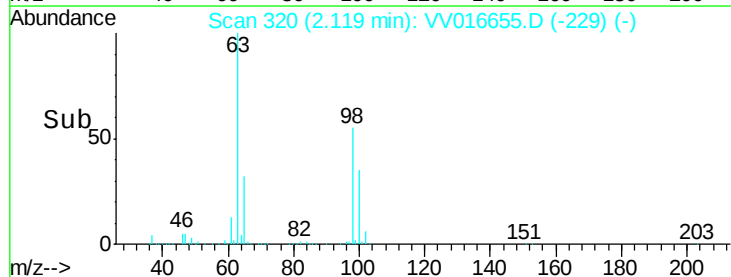
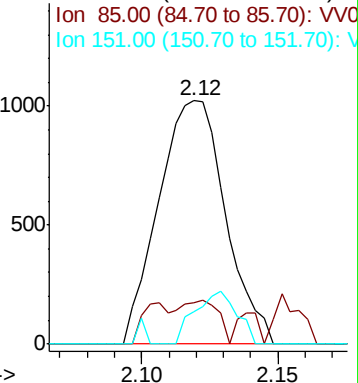
101 100

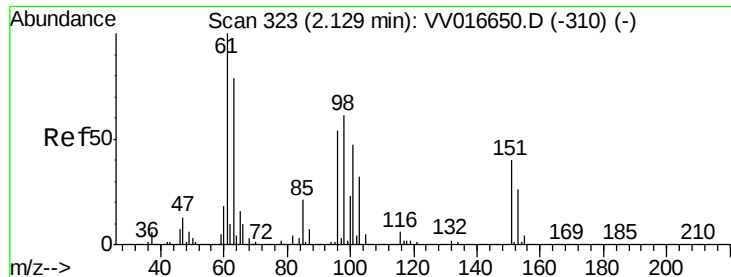
85 10.7 35.5 53.3#

151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V





#12

1,1-Dichloroethene

Concen: 3.633 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

BFEP6

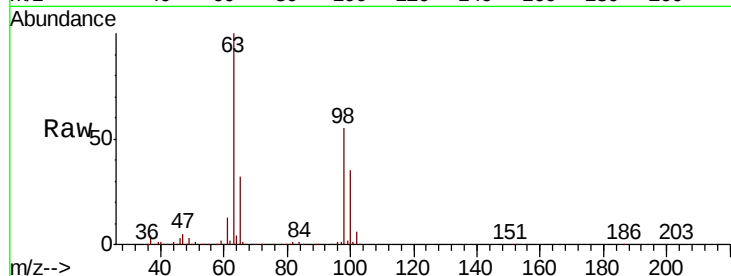
Tot Ion: 96 Resp: 1242

Ion Ratio Lower Upper

96 100

61 1805.2 130.4 242.2#

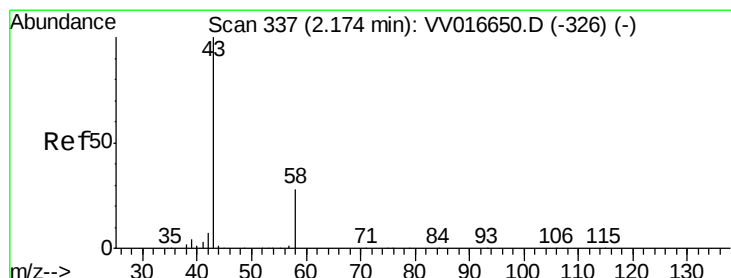
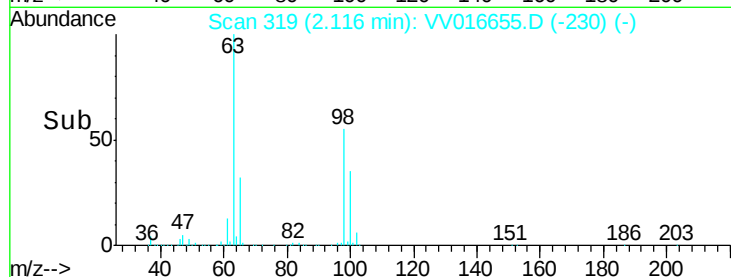
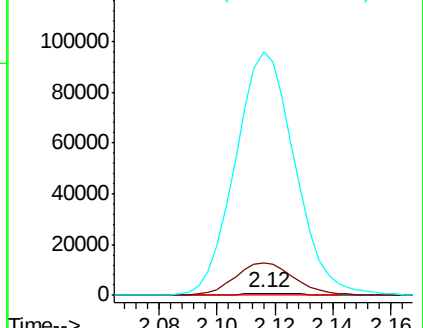
63 13448.5 103.3 191.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 4.367 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016655.D

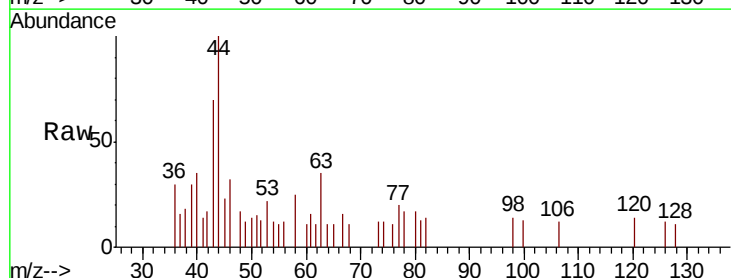
Acq: 08 Jun 2020 13:27

Tgt Ion: 43 Resp: 1035

Ion Ratio Lower Upper

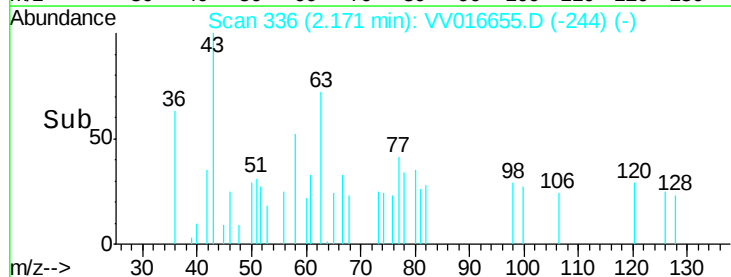
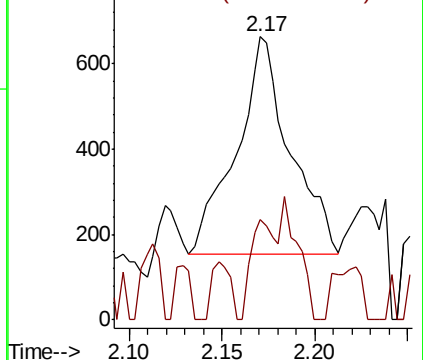
43 100

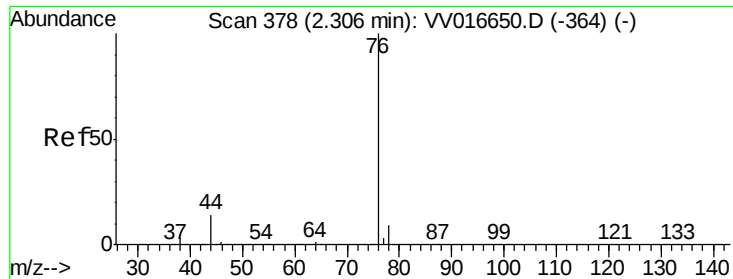
58 21.6 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 2.051 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

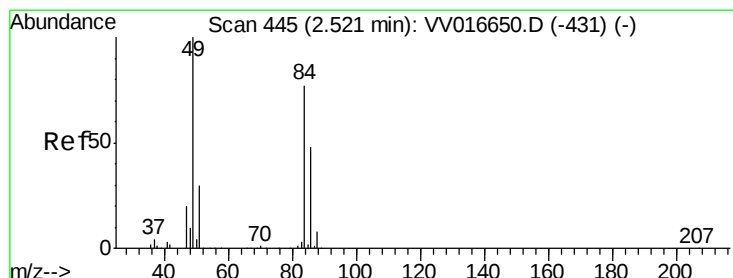
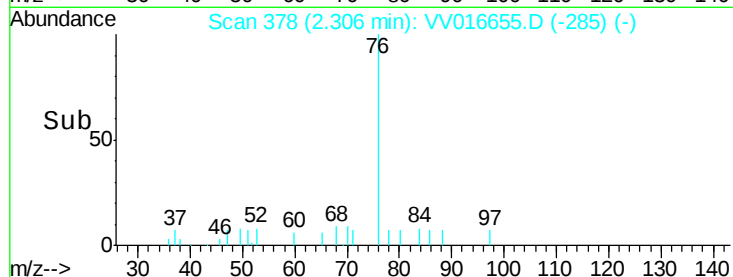
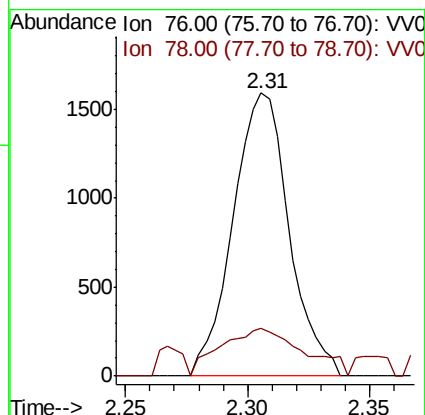
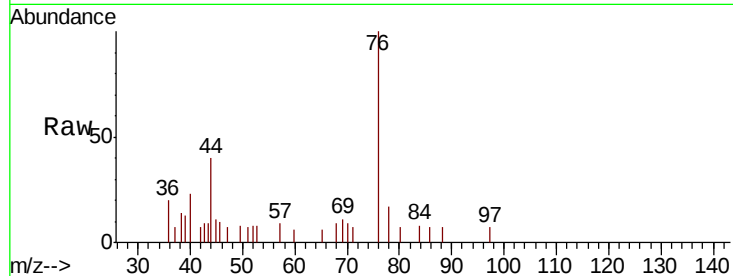
BFEP6

Tot Ion: 76 Resp: 2539

Ion Ratio Lower Upper

76 100

78 17.1 7.4 11.0#



#16

Methylene chloride

Concen: 1.322 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

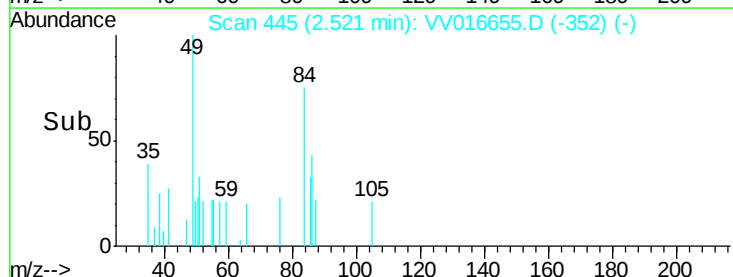
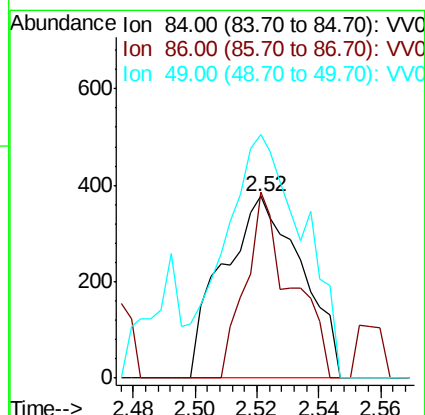
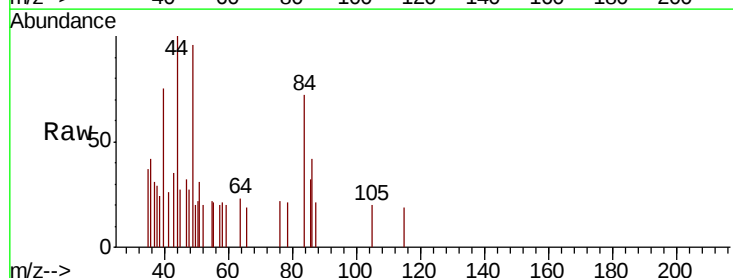
Tgt Ion: 84 Resp: 663

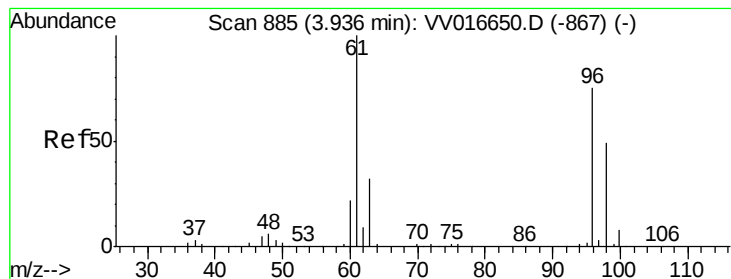
Ion Ratio Lower Upper

84 100

86 102.1 44.0 81.8#

49 134.0 90.9 168.9





#20

cis-1,2-Dichloroethene

Concen: 1.198 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampled :

BFEP6

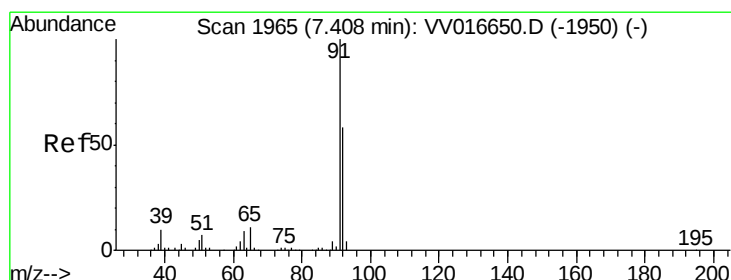
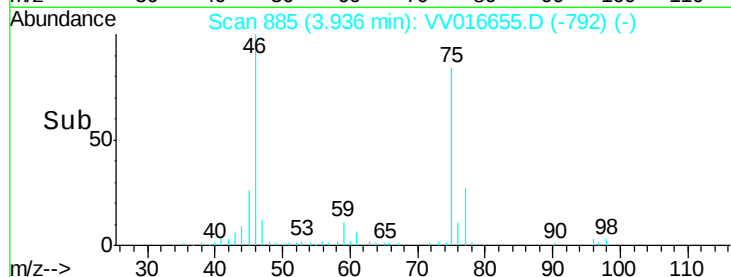
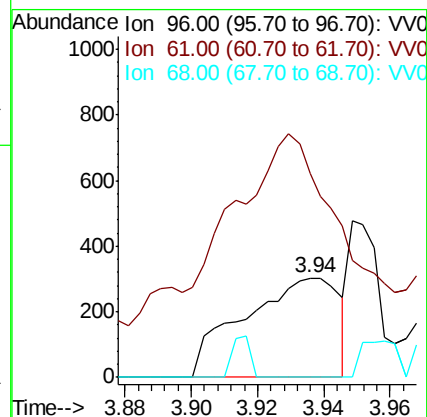
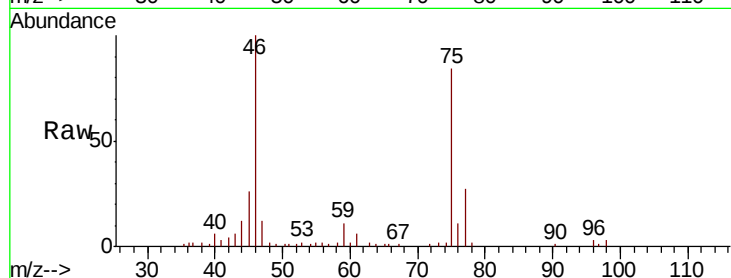
Tot Ion: 96 Resp: 609

Ion Ratio Lower Upper

96 100

61 205.0 93.4 173.4#

68 0.0 0.0 0.0



#42

Toluene

Concen: 0.748 ug/L

RT: 7.42 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VV016655.D

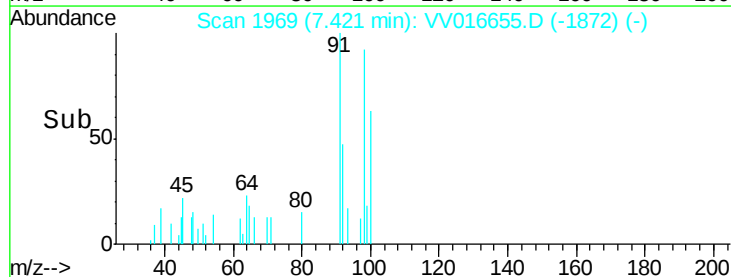
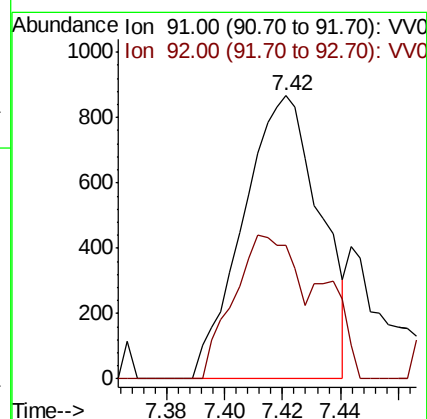
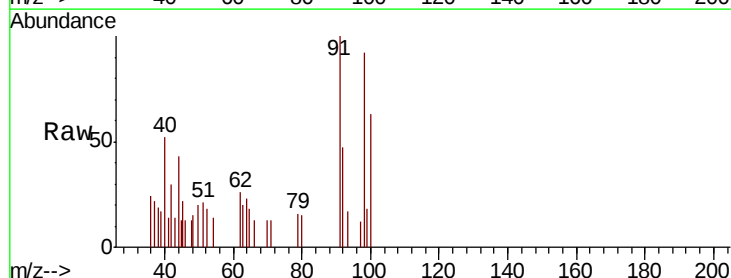
Acq: 08 Jun 2020 13:27

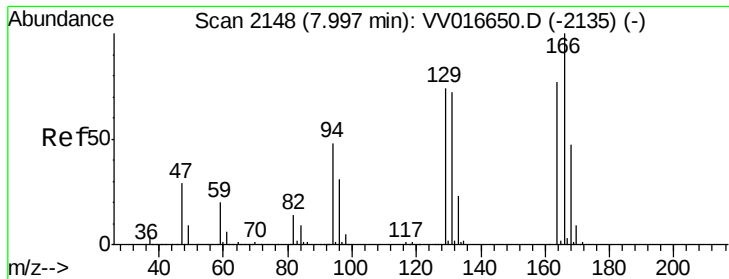
Tgt Ion: 91 Resp: 1593

Ion Ratio Lower Upper

91 100

92 47.1 40.4 75.0





#46

Tetrachloroethene

Concen: 119.380 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :
MSVOA_V
ClientSampleId :
BFEP6

Tot Ion:164 Resp: 50855

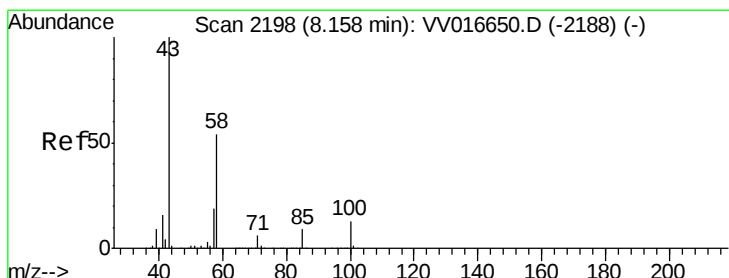
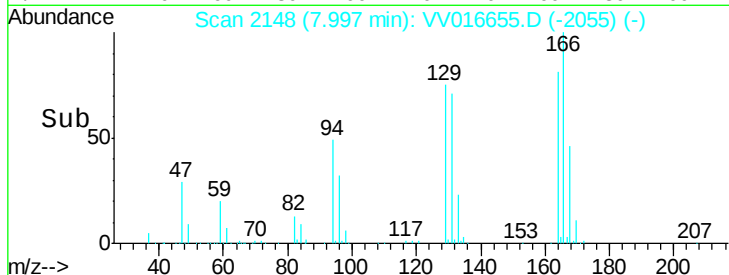
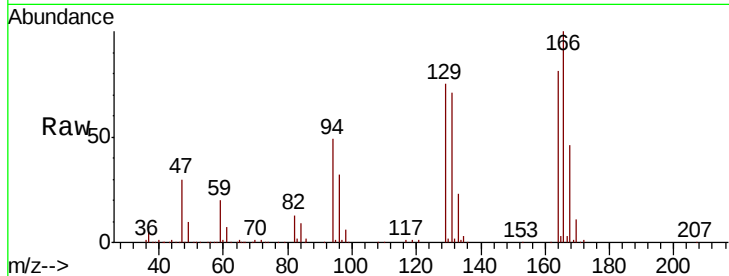
Ion Ratio Lower Upper

164 100

129 92.7 67.0 124.4

131 88.2 64.8 120.3

166 123.5 90.4 167.8



#48

2-Hexanone

Concen: 15.765 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Tgt Ion: 43 Resp: 9097

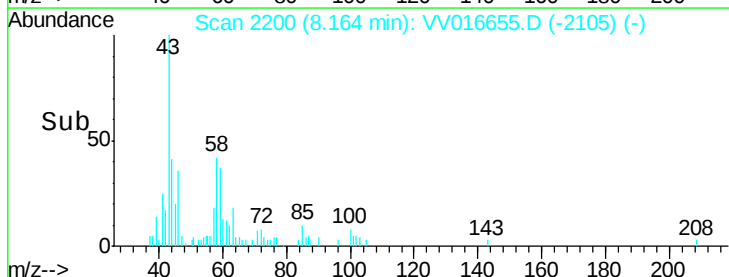
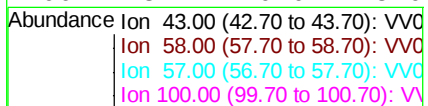
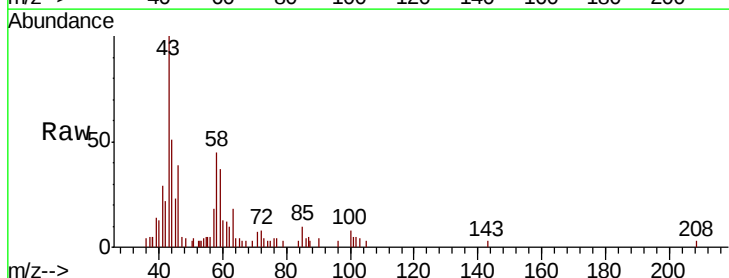
Ion Ratio Lower Upper

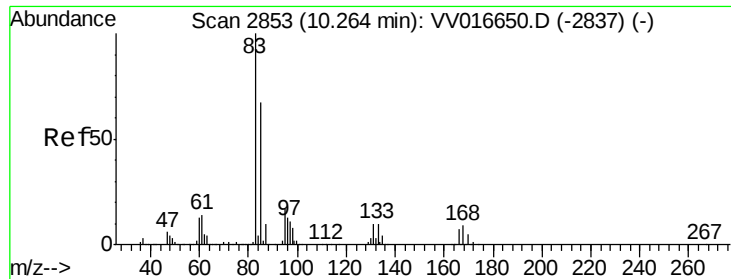
43 100

58 50.0 43.1 64.7

57 6.6 15.3 22.9#

100 8.2 10.0 15.0#





#58

1,1,2,2-Tetrachloroethane

Concen: 1.588 ug/L

RT: 10.24 min Scan# 2845

Delta R.T. -0.03 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampled :

BFEP6

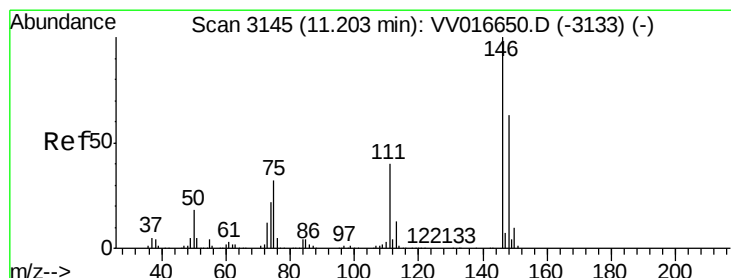
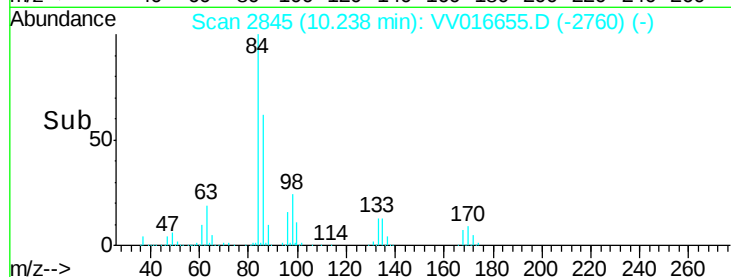
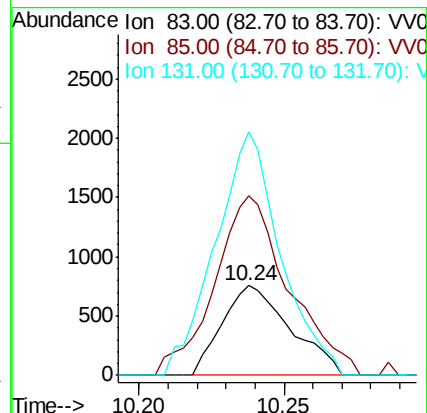
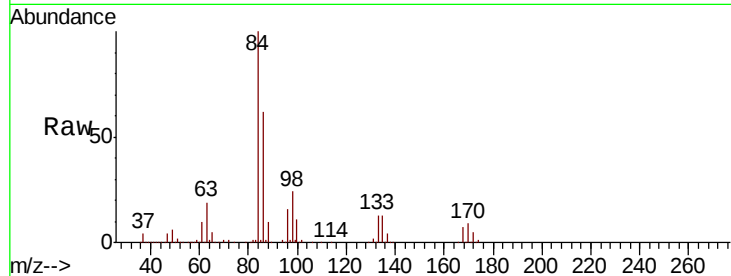
Tot Ion: 83 Resp: 1234

Ion Ratio Lower Upper

83 100

85 200.5 46.8 86.8#

131 272.2 7.9 11.9#



#62

1,3-Dichlorobenzene

Concen: 1.009 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

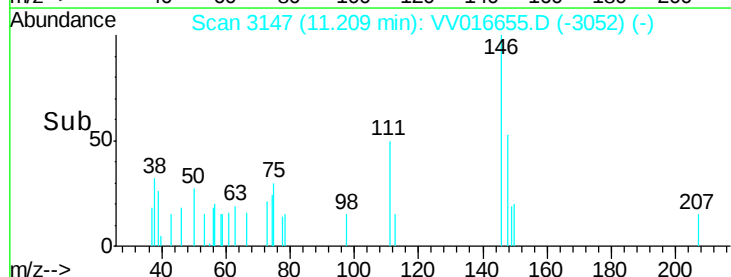
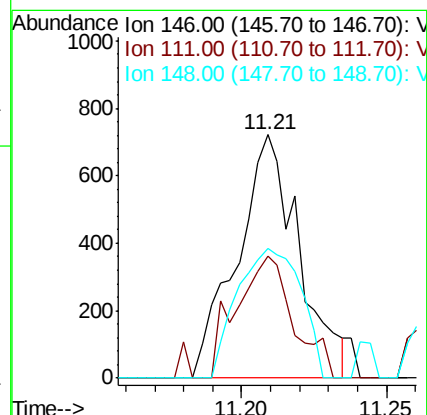
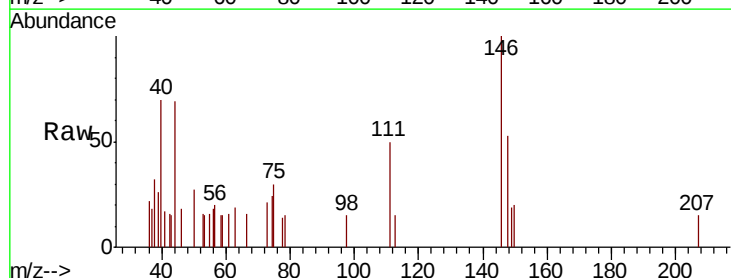
Tgt Ion: 146 Resp: 1068

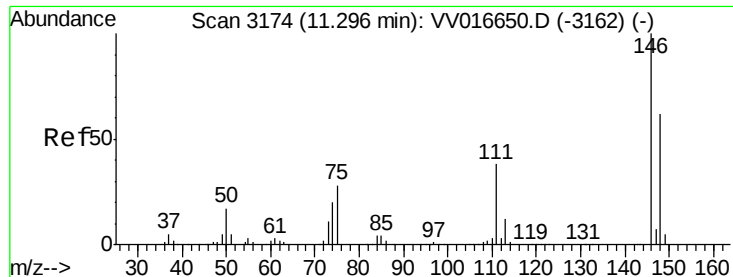
Ion Ratio Lower Upper

146 100

111 50.1 28.3 52.7

148 53.3 44.2 82.2





#63

1,4-Dichlorobenzene

Concen: 0.811 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

BFEP6

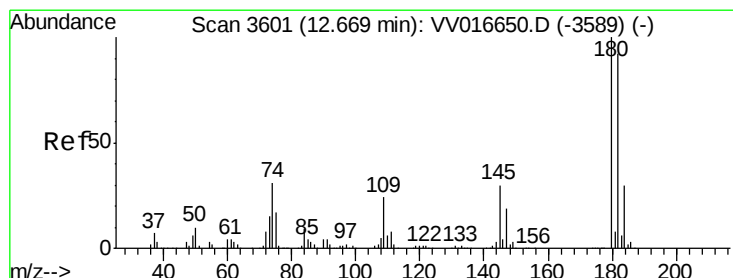
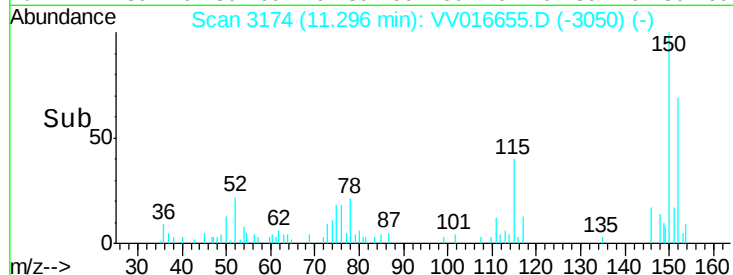
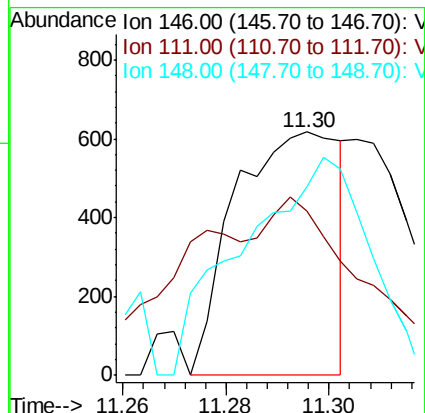
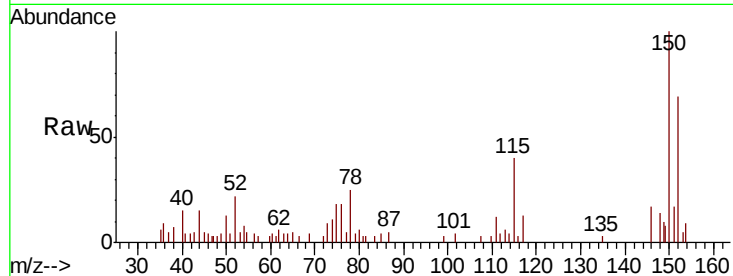
Tot Ion:146 Resp: 874

Ion Ratio Lower Upper

146 100

111 67.6 26.7 49.7#

148 136.1 43.5 80.9#



#67

1,3,5-Trichlorobenzene

Concen: 1.598 ug/L

RT: 12.68 min Scan# 3603

Delta R.T. 0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Tgt Ion:180 Resp: 1262

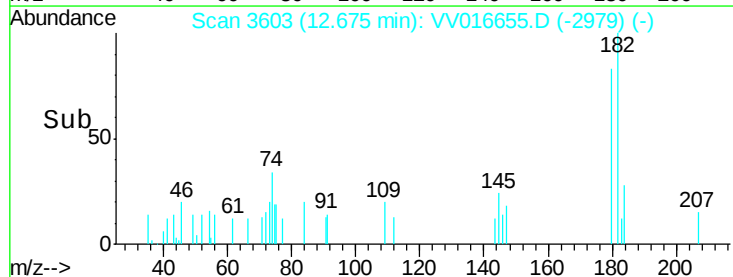
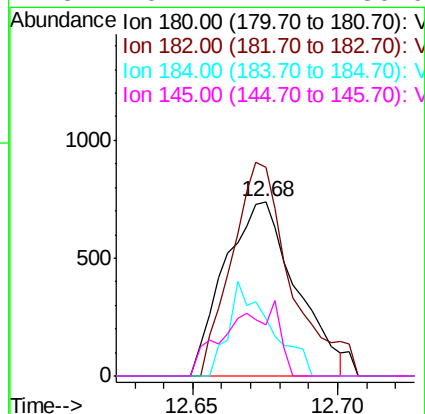
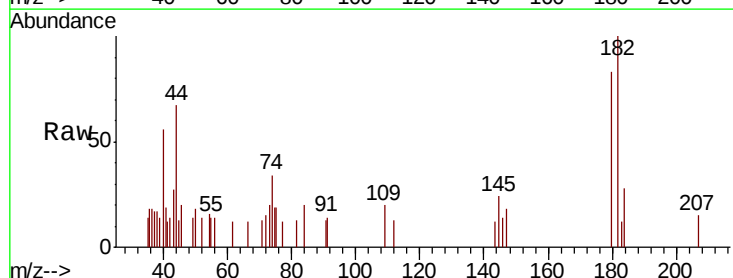
Ion Ratio Lower Upper

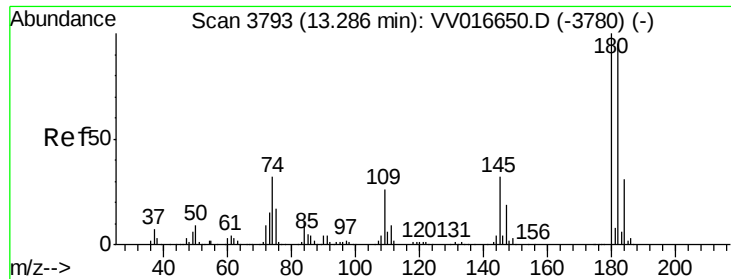
180 100

182 97.7 75.0 112.6

184 0.0 24.5 36.7#

145 6.7 24.4 36.6#





#68

1,2,4-trichlorobenzene

Concen: 1.830 ug/L

RT: 13.30 min Scan# 3796

Delta R.T. 0.01 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

Instrument :

MSVOA_V

ClientSampleId :

BFEP6

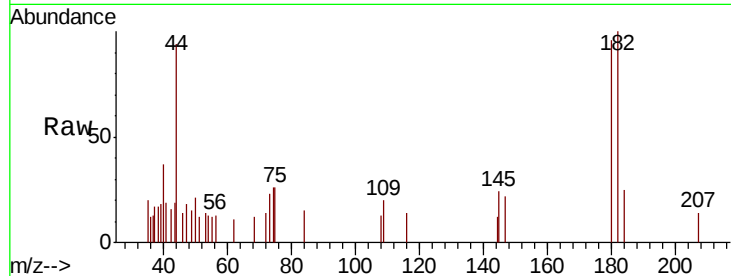
Tot Ion:180 Resp: 1325

Ion Ratio Lower Upper

180 100

182 119.8 76.9 115.3#

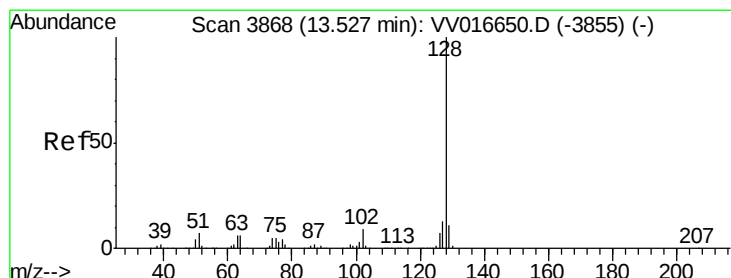
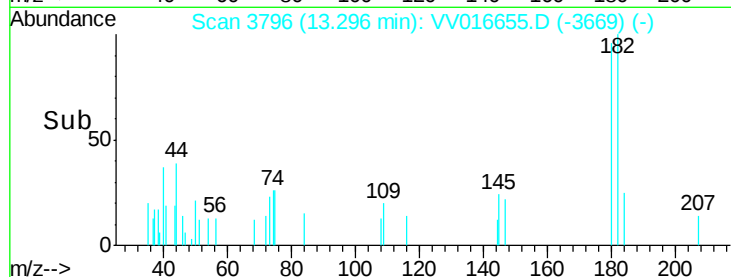
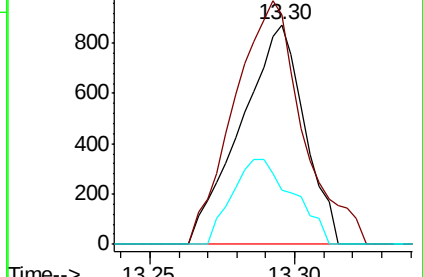
145 37.2 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 1.443 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016655.D

Acq: 08 Jun 2020 13:27

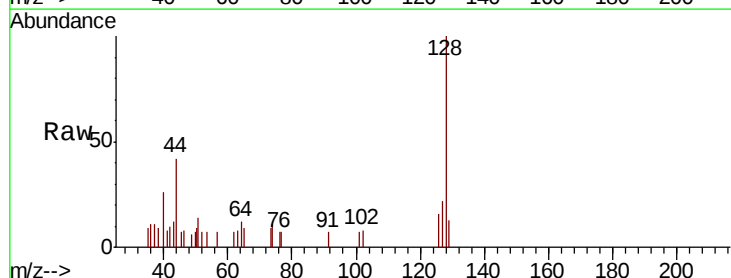
Tgt Ion:128 Resp: 3007

Ion Ratio Lower Upper

128 100

127 9.3 10.5 15.7#

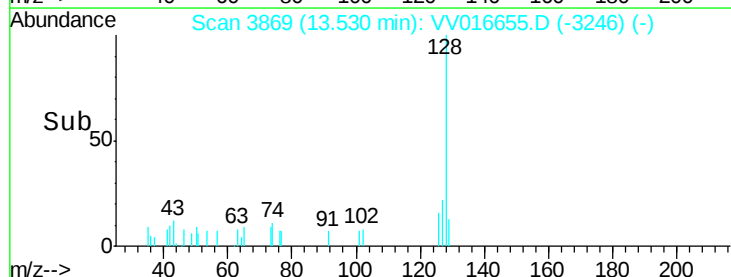
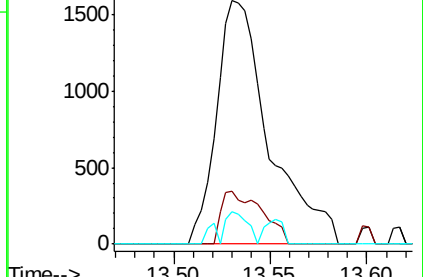
129 5.4 8.7 13.1#

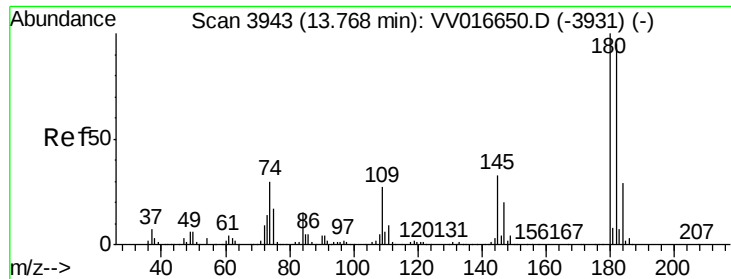


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 1.589 ug/L
 RT: 13.77 min Scan# 3945
 Delta R.T. 0.01 min
 Lab File: VV016655.D
 Acq: 08 Jun 2020 13:27

Instrument :
 MSVOA_V
 ClientSampleId :
 BFEP6

Tot Ion	Ratio	Lower	Upper
180	100		
182	123.3	76.5	114.7#
145	29.7	26.1	39.1

