

Data File : VV011705.D
Acq On : 22 Jun 2019 00:53
Operator : SY/MD
Sample : K3462-10
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCP6

Quant Time: Jun 24 05:48:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 24 05:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.77	114	105218	5.00	ug/L	0.11
28) Chlorobenzene-d5	8.97	117	114166	5.00	ug/L	0.08
60) 1,4-Dichlorobenzene-d4	11.32	152	62119	5.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.34	65	42559	6.09	ug/L	0.03
Spiked Amount	5.000	Range	40 - 130	Recovery	=	121.80%
7) Chloroethane-d5	1.64	69	29245	5.96	ug/L	0.07
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.20%
11) 1,1-Dichloroethene-d2	2.25	63	65026	4.58	ug/L	0.13
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	3.95	46	442	0.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.48%#
24) Chloroform-d	4.65	84	72930	5.72	ug/L	0.25
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.40%
26) 1,2-Dichloroethane-d4	5.26	65	47753	6.24	ug/L	0.18
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.80%
32) Benzene-d6	5.27	84	149185	4.69	ug/L	0.17
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.19	67	39404	4.02	ug/L	0.07
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	7.52	98	128410	4.46	ug/L	0.16
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.80	79	15955	4.66	ug/L	0.13
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.24	63	107152	66.62	ug/L	0.11
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.24%#
57) 1,1,2,2-Tetrachloroethane-	10.30	84	43757	6.41	ug/L	0.04
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.20%#
64) 1,2-Dichlorobenzene-d4	11.69	152	60527	5.16	ug/L	0.02
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

					Qvalue
3) Chloromethane	1.27	50	3908	0.394 ug/L	95
5) Vinyl chloride	1.35	62	5655	0.581 ug/L #	1
8) Chloroethane	1.62	64	28061	5.519 ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	762	0.107 ug/L #	42
15) Methyl Acetate	2.47	43	422	0.128 ug/L #	66
17) Methyl tert-butyl Ether	3.05	73	4526	0.254 ug/L	95
35) Methylcyclohexane	6.30	83	1463	0.090 ug/L	87
37) 1,2-Dichloropropane	6.19	63	2832	0.295 ug/L #	3
42) Toluene	7.59	91	17843	0.451 ug/L	99
48) 2-Hexanone	8.24	43	15467	3.649 ug/L #	76
51) Chlorobenzene	9.00	112	2236	0.091 ug/L	95
52) Ethylbenzene	9.13	91	9098	0.208 ug/L	89
53) m,p-xylene	9.25	106	8046	0.502 ug/L	89
54) o-xylene	9.64	106	9250	0.590 ug/L	96
56) Isopropylbenzene	10.02	105	10212	0.243 ug/L #	83
62) 1,3-Dichlorobenzene	11.25	146	2281	0.109 ug/L	87
63) 1,4-Dichlorobenzene	11.34	146	7284	0.337 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062219\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 24 05:42:24 2019
Response via : Initial Calibration

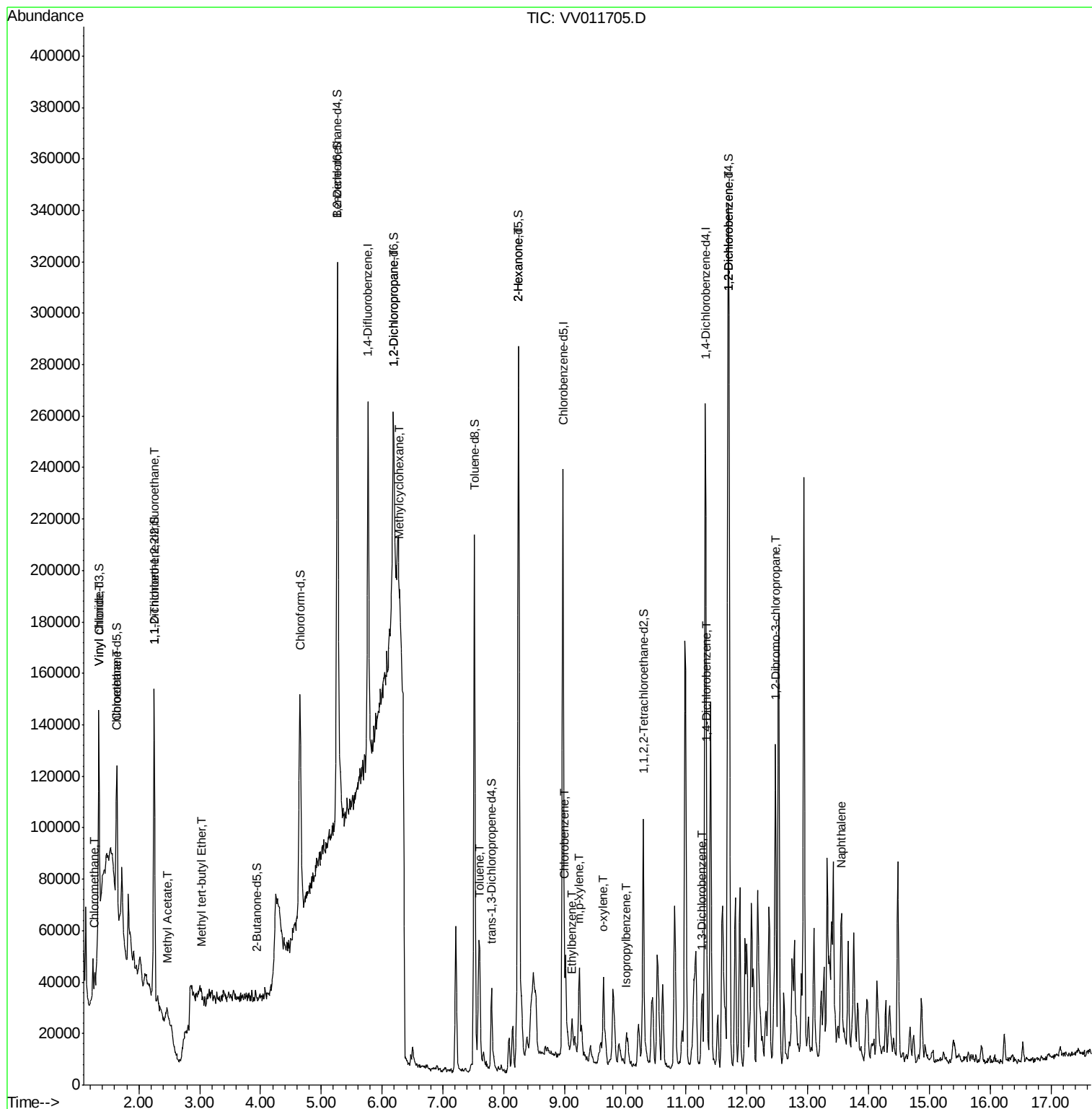
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.71	146	57185	2.865	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	648	0.567	ug/L #	6
69) Naphthalene	13.56	128	35296	1.788	ug/L #	95

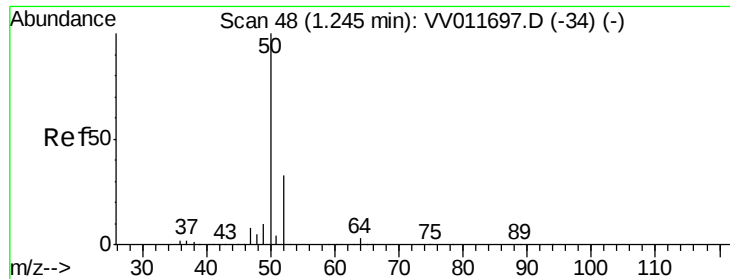
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.394 ug/L

RT: 1.27 min Scan# 56

Delta R.T. 0.03 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

Instrument :

MSVOA_V

ClientSampleId :

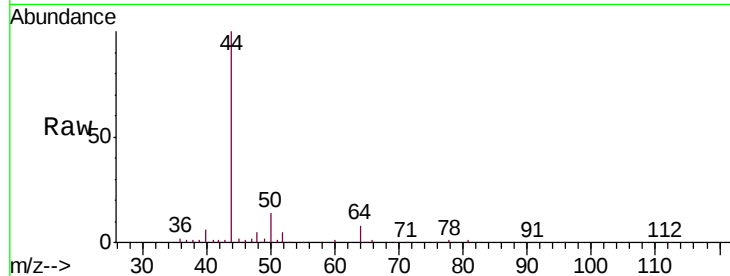
BFCP6

Tgt Ion: 50 Resp: 3908

Ion Ratio Lower Upper

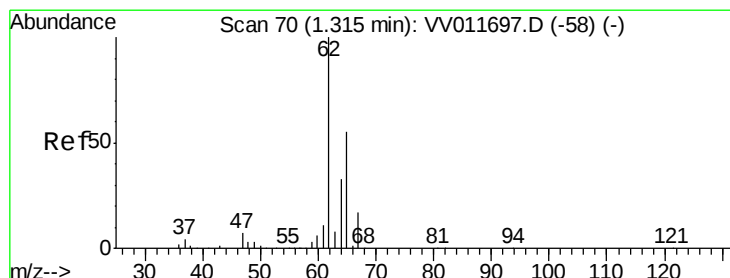
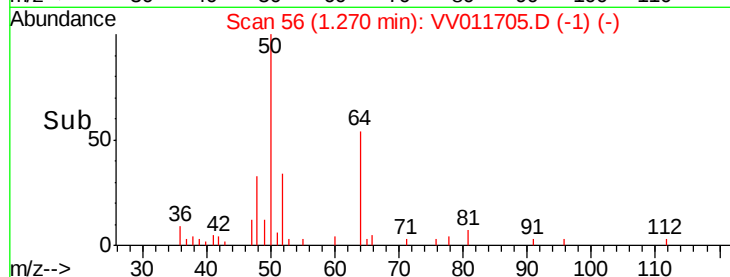
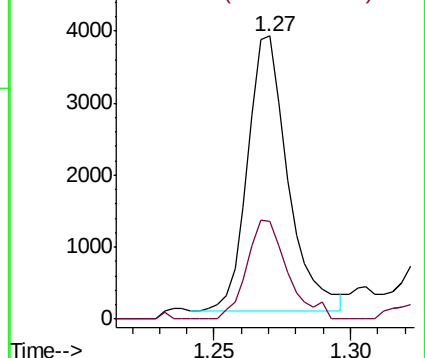
50 100

52 34.3 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011697.D (-34) (-)

Ion 52.05 (51.75 to 52.75): VV011705.D (-1) (-)



#5

Vinyl chloride

Concen: 0.581 ug/L

RT: 1.35 min Scan# 80

Delta R.T. 0.03 min

Lab File: VV011705.D

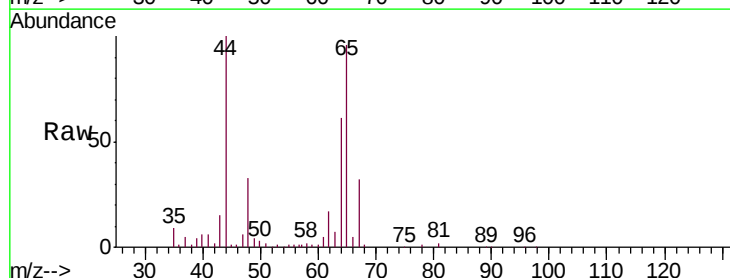
Acq: 22 Jun 2019 00:53

Tgt Ion: 62 Resp: 5655

Ion Ratio Lower Upper

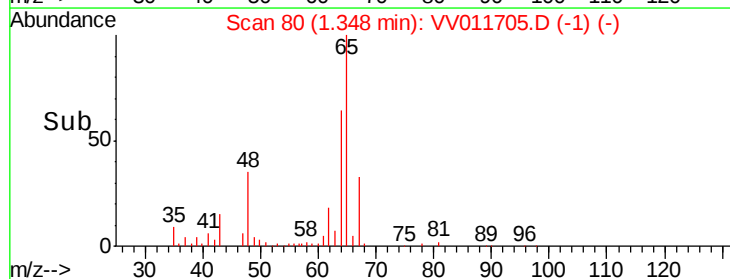
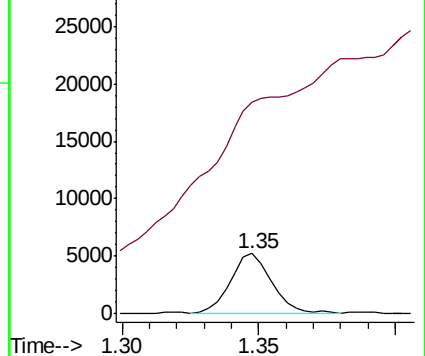
62 100

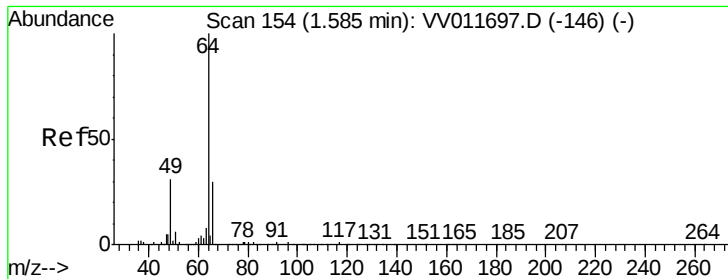
64 350.4 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VV011697.D (-58) (-)

Ion 64.10 (63.80 to 64.80): VV011705.D (-1) (-)





#8

Chloroethane

Concen: 5.519 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.04 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

Instrument :

MSVOA_V

ClientSampleId :

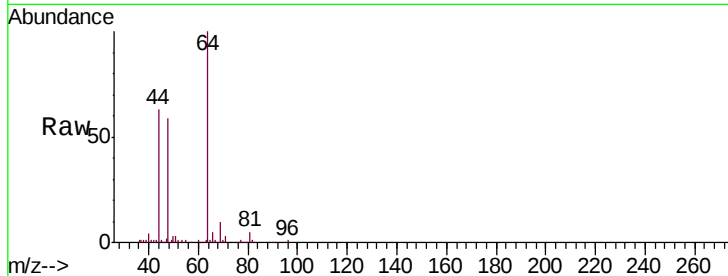
BFCP6

Tgt Ion: 64 Resp: 28061

Ion Ratio Lower Upper

64 100

66 4.7 20.6 38.4#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.62

40000

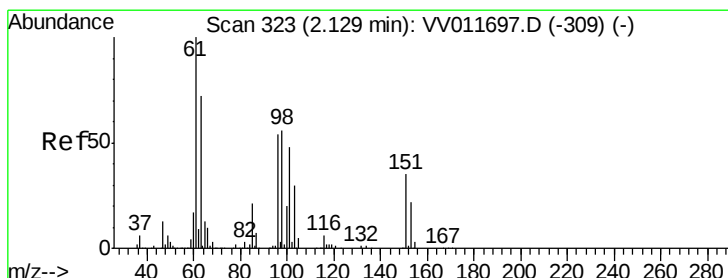
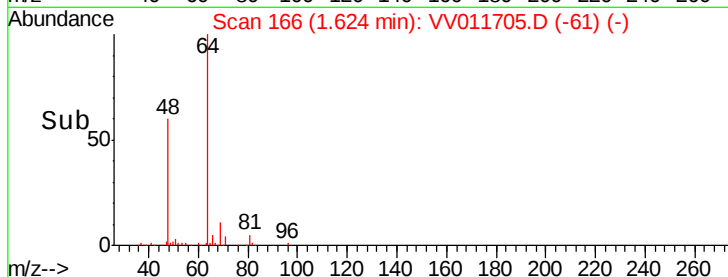
30000

20000

10000

0

Time-->



#10

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

Concen: 0.107 ug/L

RT: 2.25 min Scan# 361

Delta R.T. 0.12 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

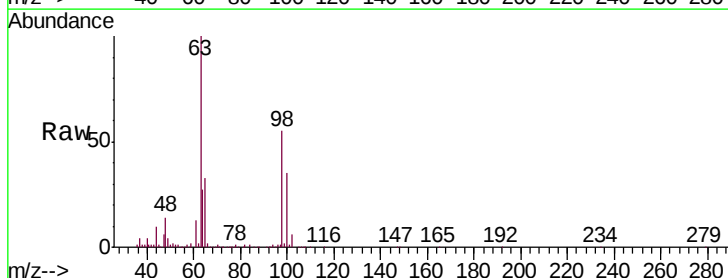
Tgt Ion: 101 Resp: 762

Ion Ratio Lower Upper

101 100

85 29.4 35.9 53.9#

151 5.4 57.4 86.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.25

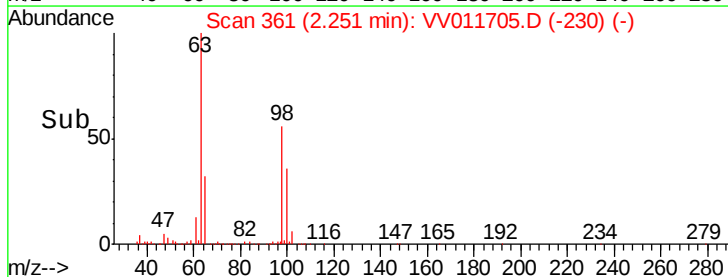
600

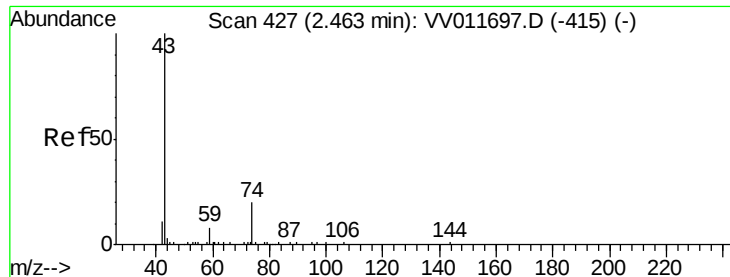
400

200

0

Time-->

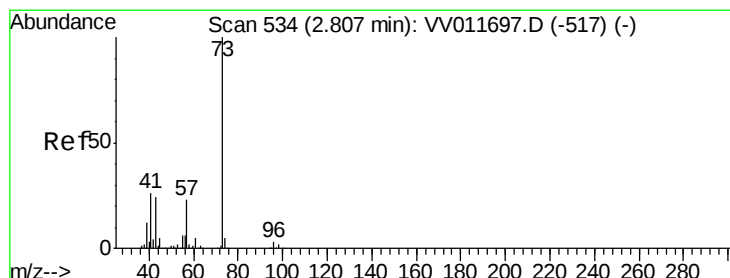
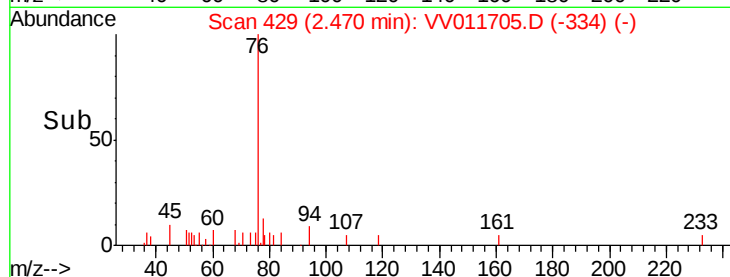
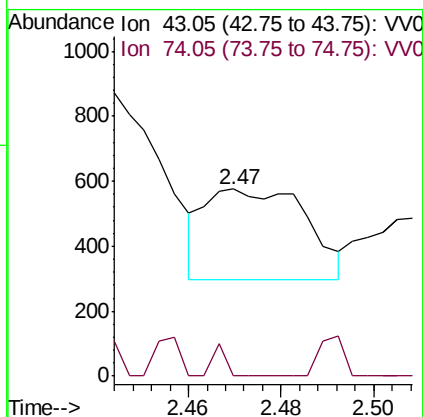
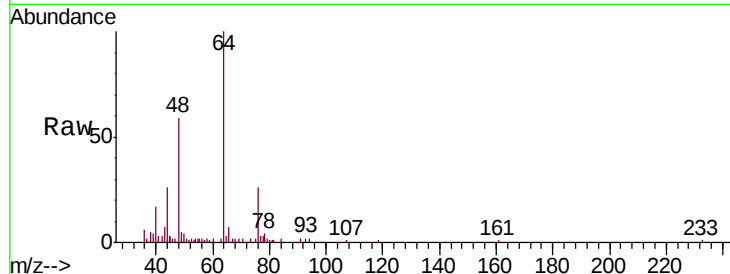




#15
Methyl Acetate
Concen: 0.128 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV011705.D
Acq: 22 Jun 2019 00:53

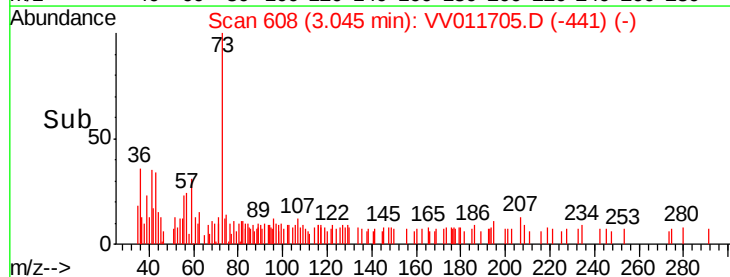
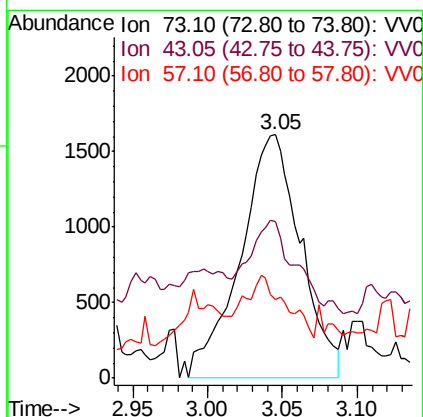
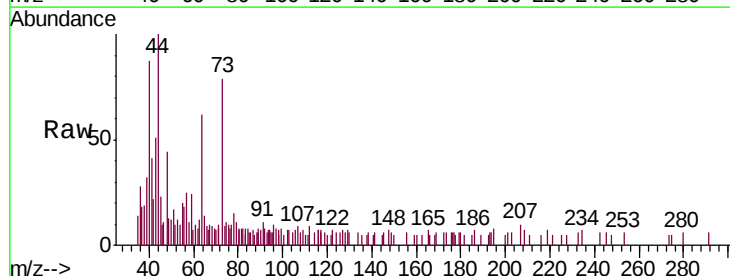
Instrument :
MSVOA_V
ClientSampleId :
BFCP6

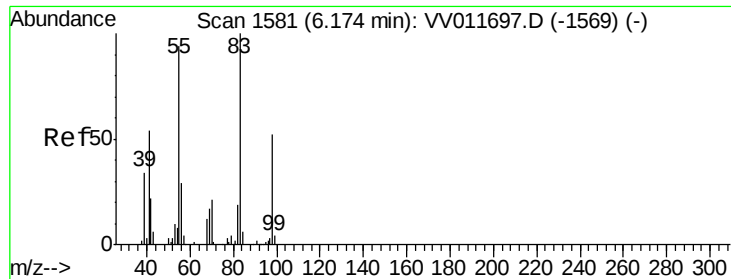
Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
74 4.7 16.2 24.2#



#17
Methyl tert-butyl Ether
Concen: 0.254 ug/L
RT: 3.05 min Scan# 608
Delta R.T. 0.24 min
Lab File: VV011705.D
Acq: 22 Jun 2019 00:53

Tgt Ion: 73 Resp: 4526
Ion Ratio Lower Upper
73 100
43 24.9 18.9 28.3
57 19.0 18.0 27.0

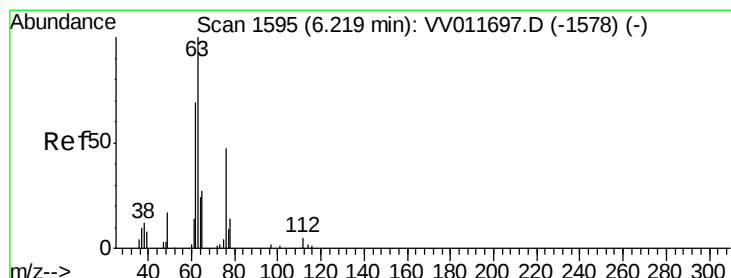
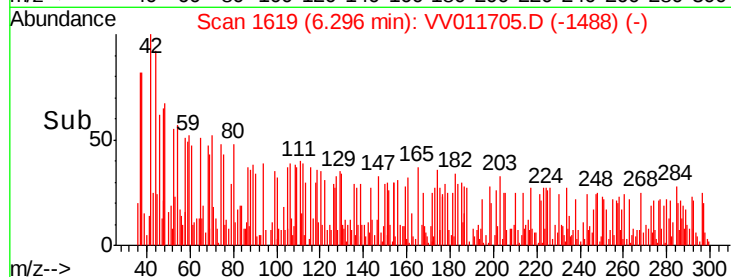
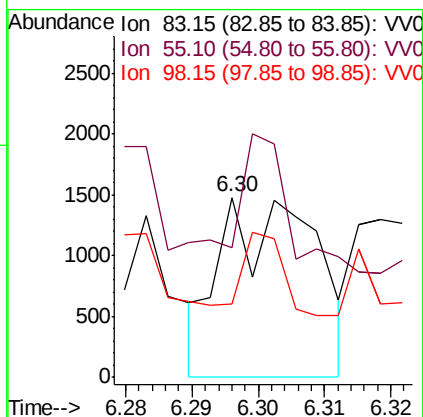
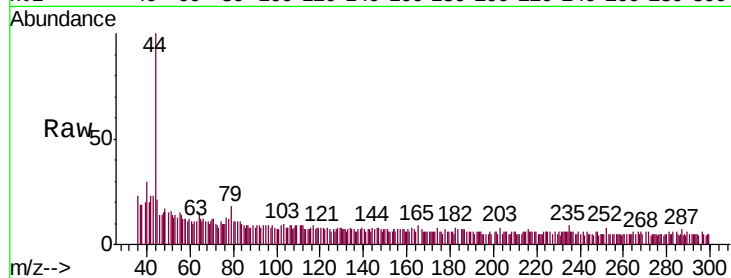




#35
Methylcyclohexane
Concen: 0.090 ug/L
RT: 6.30 min Scan# 1619
Delta R.T. 0.12 min
Lab File: VV011705.D
Acq: 22 Jun 2019 00:53

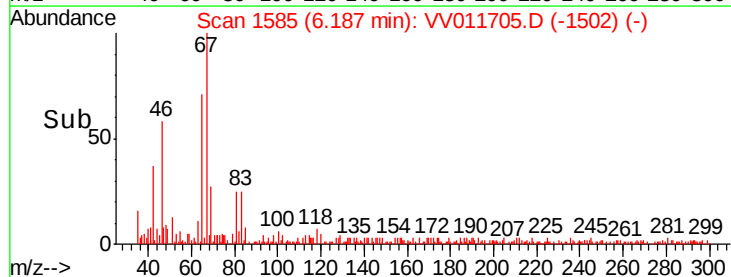
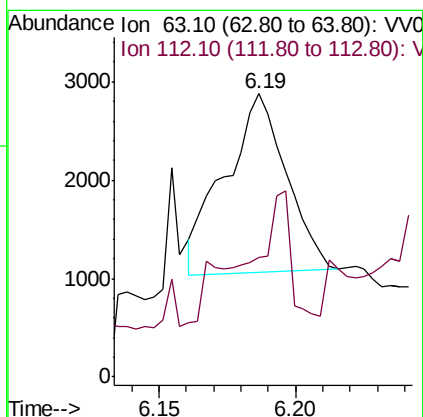
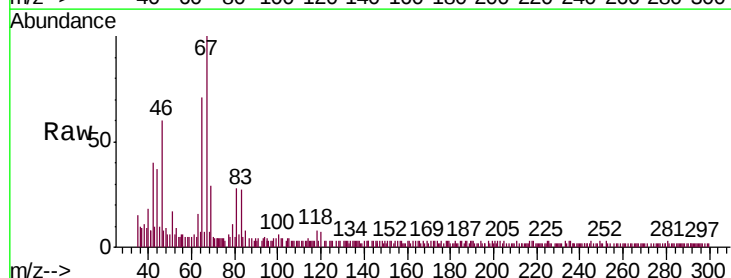
Instrument :
MSVOA_V
ClientSampled :
BFCP6

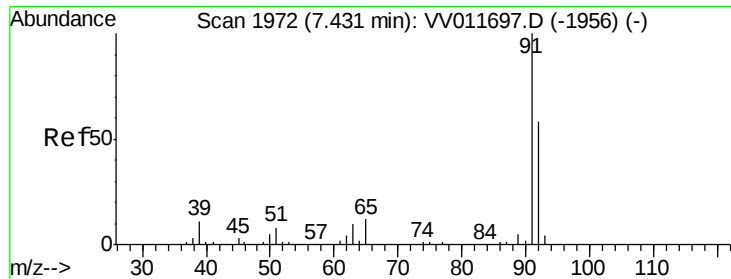
Tgt Ion: 83 Resp: 1463
Ion Ratio Lower Upper
83 100
55 71.2 69.4 104.2
98 55.4 40.2 60.4



#37
1,2-Dichloropropane
Concen: 0.295 ug/L
RT: 6.19 min Scan# 1585
Delta R.T. -0.03 min
Lab File: VV011705.D
Acq: 22 Jun 2019 00:53

Tgt Ion: 63 Resp: 2832
Ion Ratio Lower Upper
63 100
112 36.3 3.4 5.2#





#42

Toluene

Concen: 0.451 ug/L

RT: 7.59 min Scan# 2020

Delta R.T. 0.15 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

Instrument :

MSVOA_V

ClientSampleId :

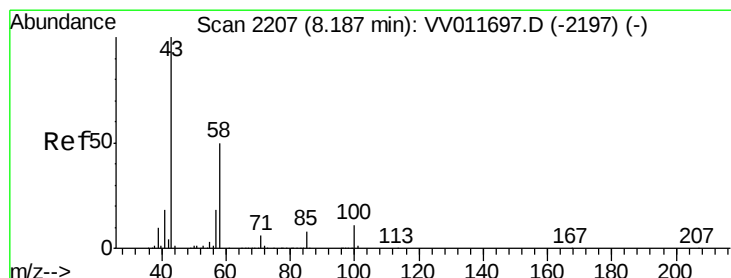
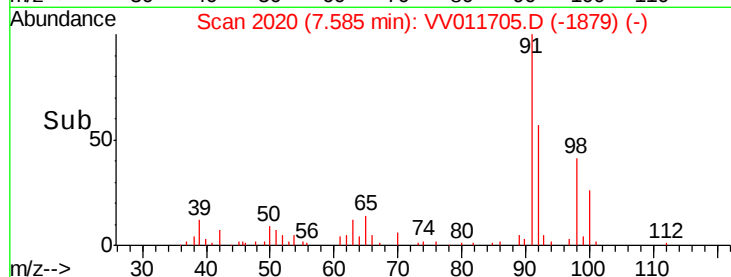
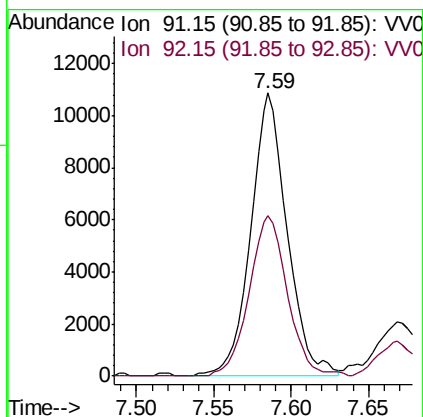
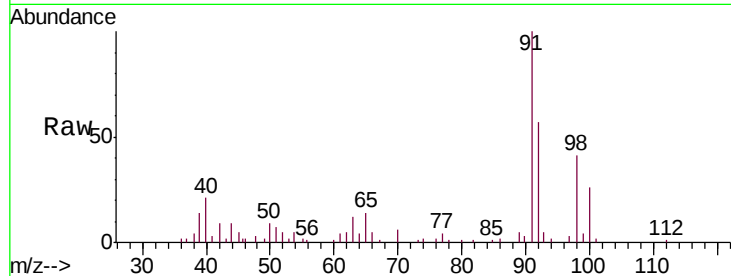
BFCP6

Tgt Ion: 91 Resp: 17843

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.9



#48

2-Hexanone

Concen: 3.649 ug/L

RT: 8.24 min Scan# 2225

Delta R.T. 0.06 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

Tgt Ion: 43 Resp: 15467

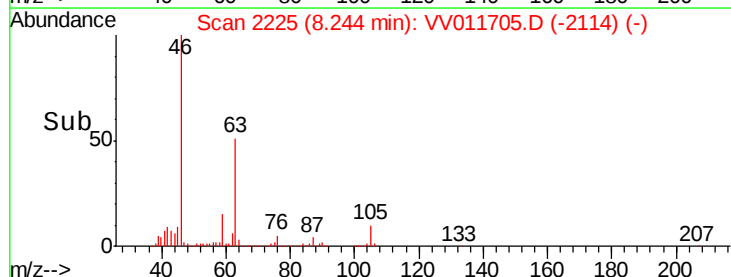
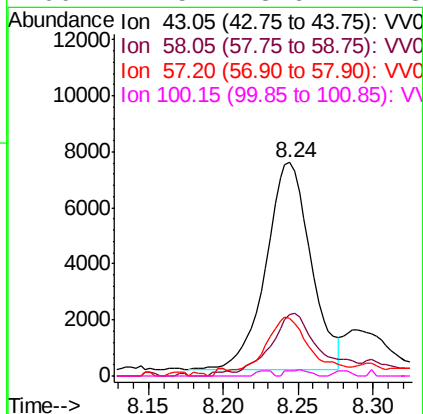
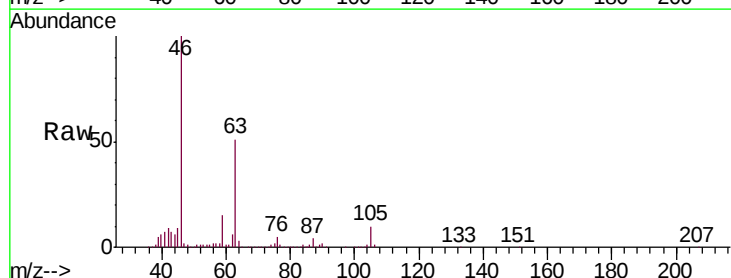
Ion Ratio Lower Upper

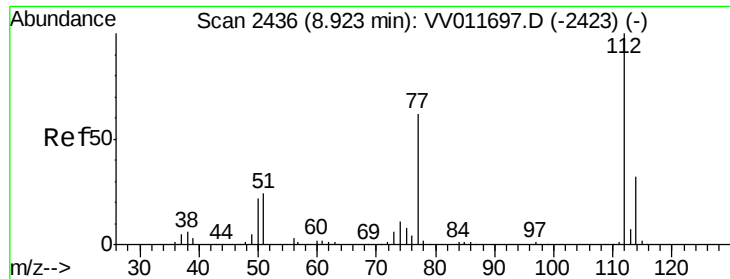
43 100

58 33.7 40.1 60.1#

57 27.8 14.4 21.6#

100 1.5 8.6 12.8#

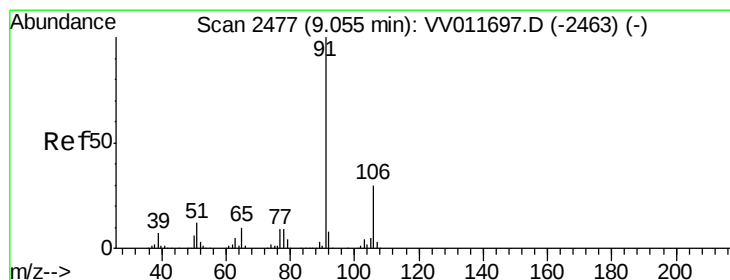
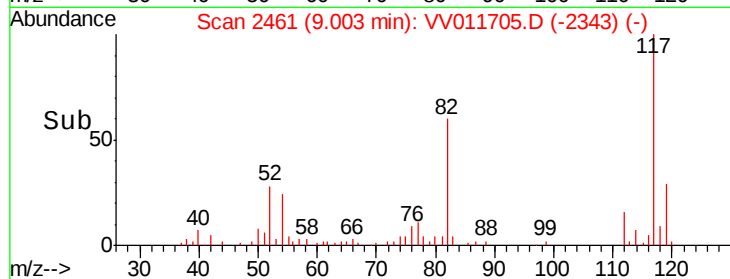
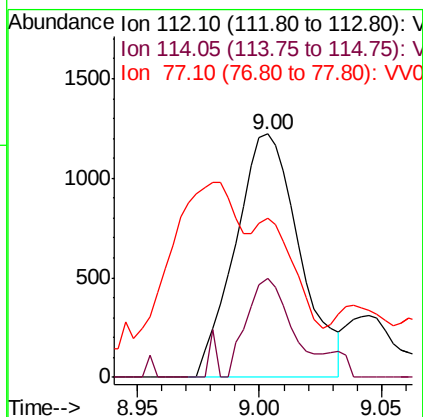
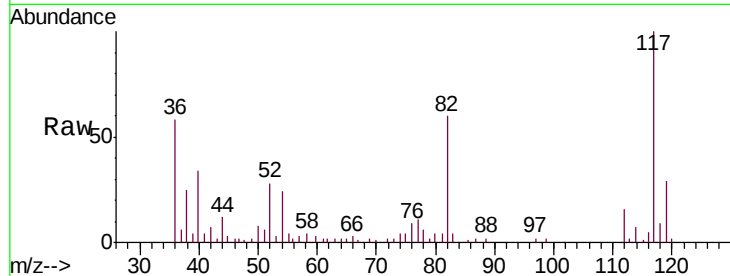




#51
Chlorobenzene
Concen: 0.091 ug/L
RT: 9.00 min Scan# 2461
Delta R.T. 0.08 min
Lab File: VV011705.D
Acq: 22 Jun 2019 00:53

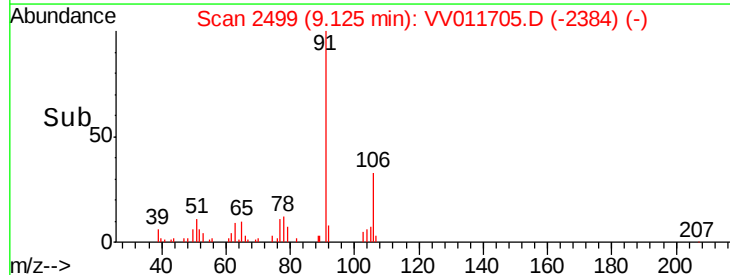
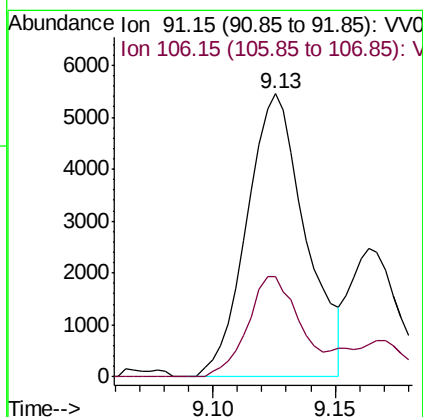
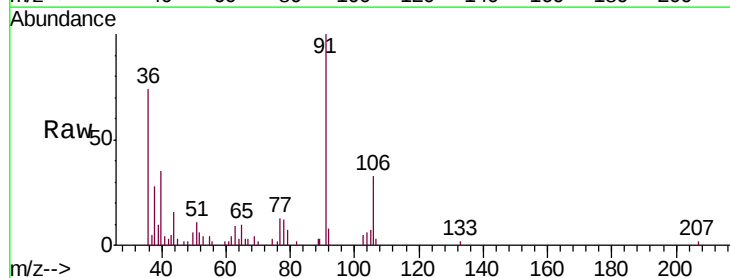
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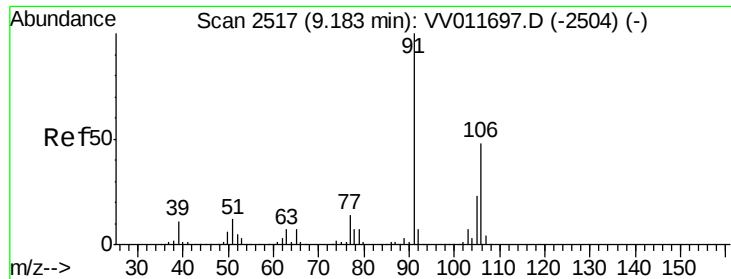
Tgt Ion: 112 Resp: 2236
Ion Ratio Lower Upper
112 100
114 35.9 23.0 42.8
77 58.2 50.0 75.0



#52
Ethylbenzene
Concen: 0.208 ug/L
RT: 9.13 min Scan# 2499
Delta R.T. 0.07 min
Lab File: VV011705.D
Acq: 22 Jun 2019 00:53

Tgt Ion: 91 Resp: 9098
Ion Ratio Lower Upper
91 100
106 35.6 20.7 38.5





#53

m,p-xylene

Concen: 0.502 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.06 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

Instrument :

MSVOA_V

ClientSampleId :

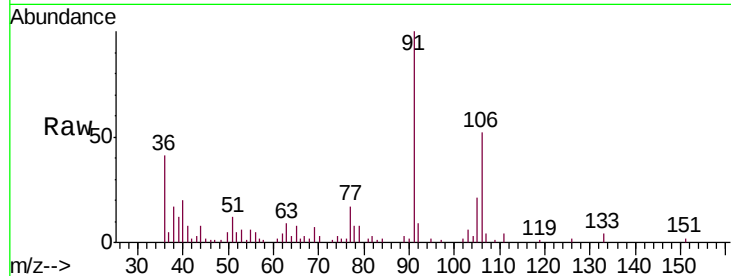
BFCP6

Tgt Ion:106 Resp: 8046

Ion Ratio Lower Upper

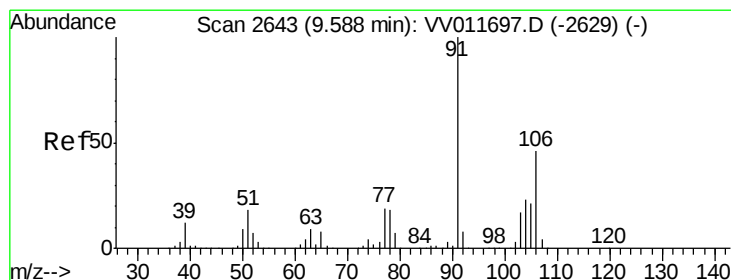
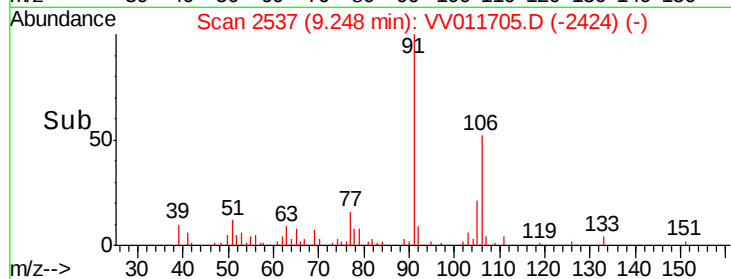
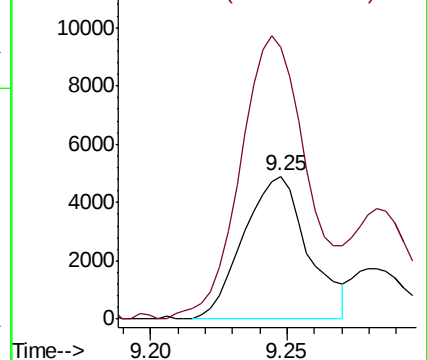
106 100

91 190.7 144.9 269.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.590 ug/L

RT: 9.64 min Scan# 2659

Delta R.T. 0.05 min

Lab File: VV011705.D

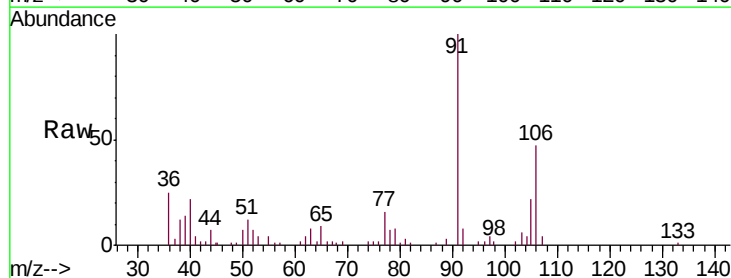
Acq: 22 Jun 2019 00:53

Tgt Ion:106 Resp: 9250

Ion Ratio Lower Upper

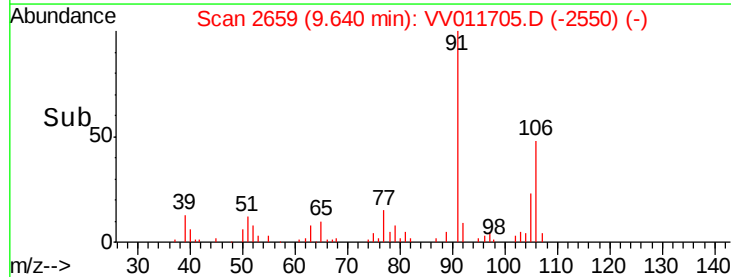
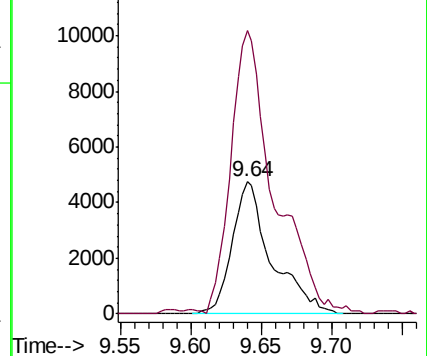
106 100

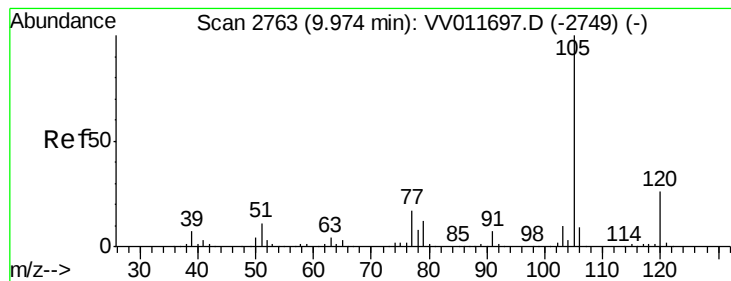
91 214.7 155.2 288.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#56

Isopropylbenzene

Concen: 0.243 ug/L

RT: 10.02 min Scan# 2776

Delta R.T. 0.04 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

Instrument :

MSVOA_V

ClientSampleId :

BFCP6

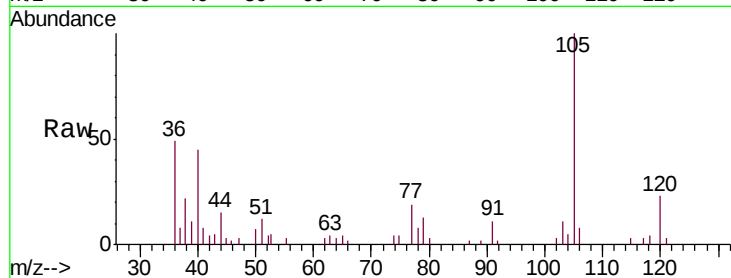
Tgt Ion:105 Resp: 10212

Ion Ratio Lower Upper

105 100

120 17.1 20.6 30.8#

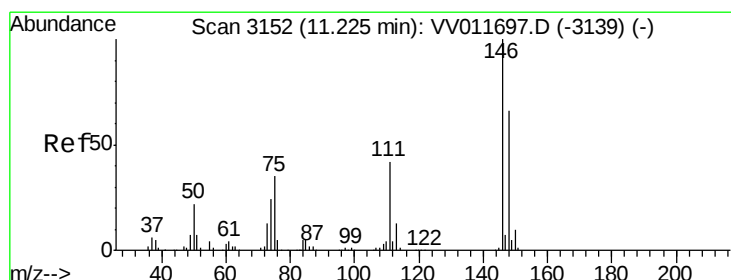
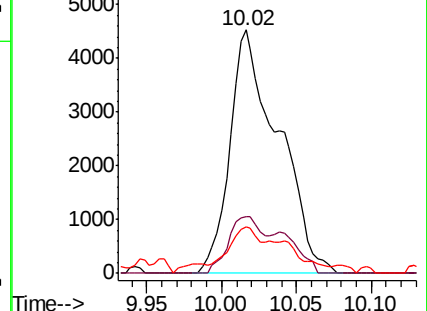
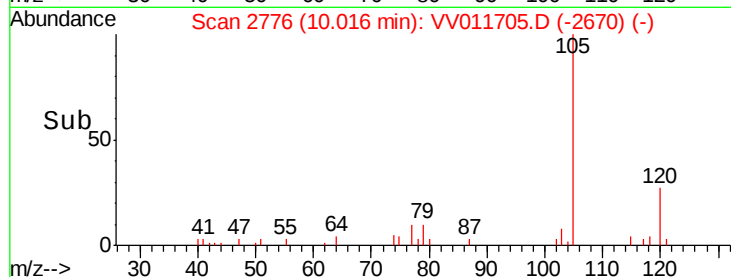
77 9.3 13.8 20.6#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#62

1,3-Dichlorobenzene

Concen: 0.109 ug/L

RT: 11.25 min Scan# 3160

Delta R.T. 0.03 min

Lab File: VV011705.D

Acq: 22 Jun 2019 00:53

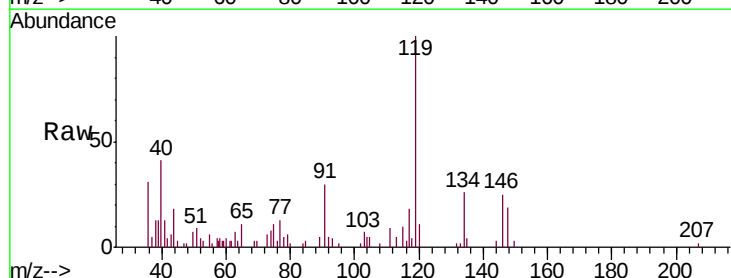
Tgt Ion:146 Resp: 2281

Ion Ratio Lower Upper

146 100

111 35.9 28.4 52.8

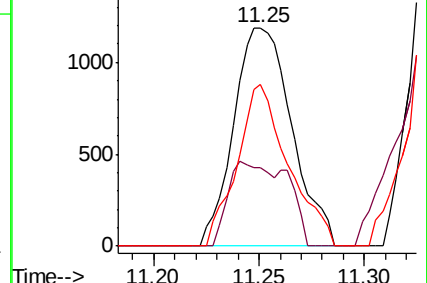
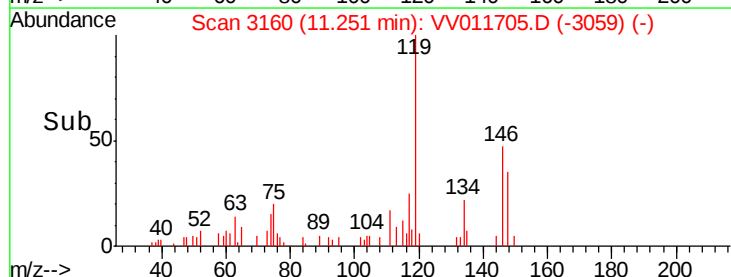
148 73.9 42.8 79.6

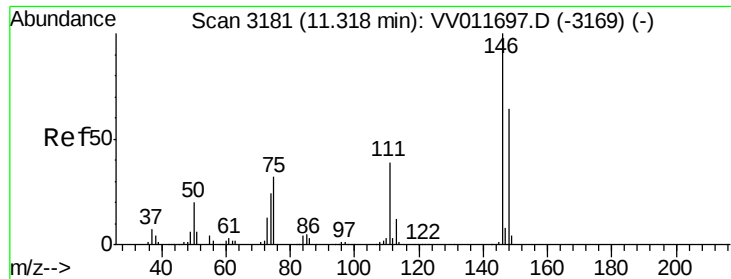


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

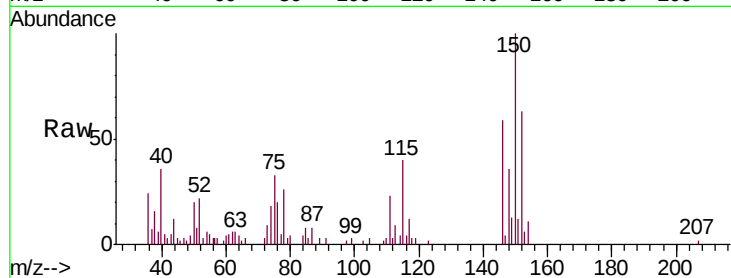




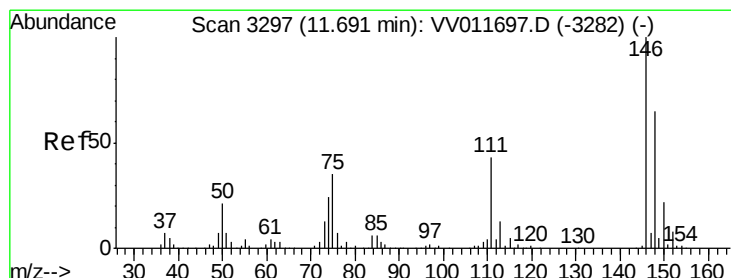
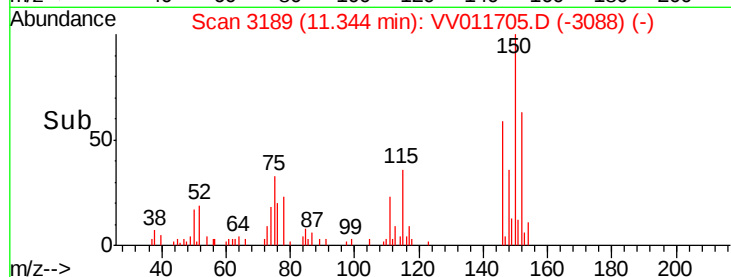
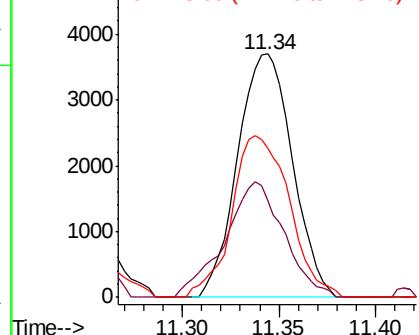
#63
 1,4-Dichlorobenzene
 Concen: 0.337 ug/L
 RT: 11.34 min Scan# 3189
 Delta R.T. 0.03 min
 Lab File: VV011705.D
 Acq: 22 Jun 2019 00:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCP6

Tgt Ion:146 Resp: 7284
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.7 51.5
 148 61.3 45.1 83.9

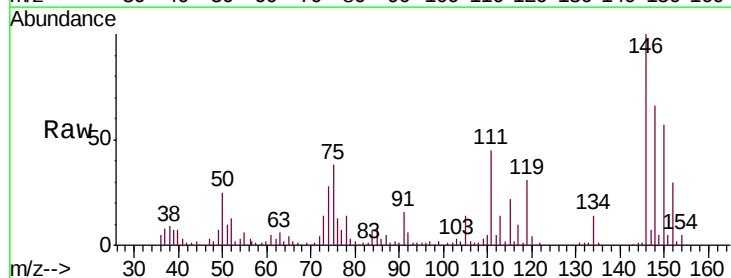


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

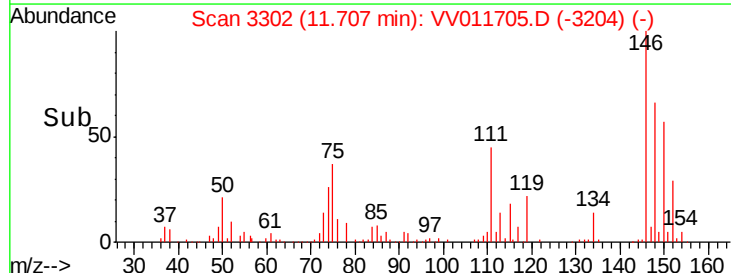
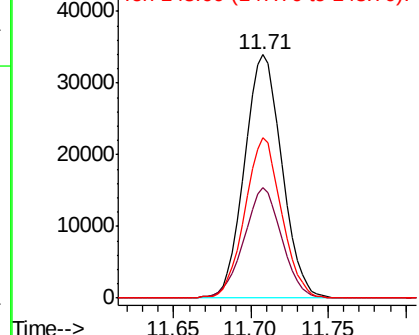


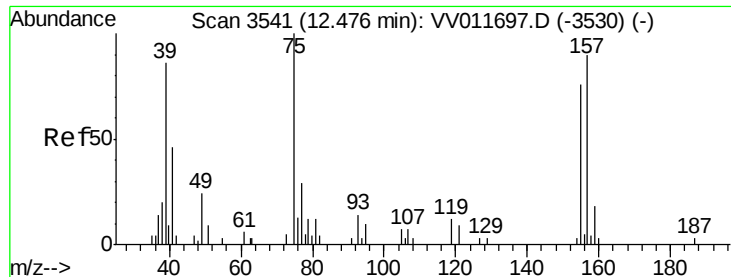
#65
 1,2-Dichlorobenzene
 Concen: 2.865 ug/L
 RT: 11.71 min Scan# 3302
 Delta R.T. 0.02 min
 Lab File: VV011705.D
 Acq: 22 Jun 2019 00:53

Tgt Ion:146 Resp: 57185
 Ion Ratio Lower Upper
 146 100
 111 45.2 34.5 51.7
 148 65.7 49.8 74.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

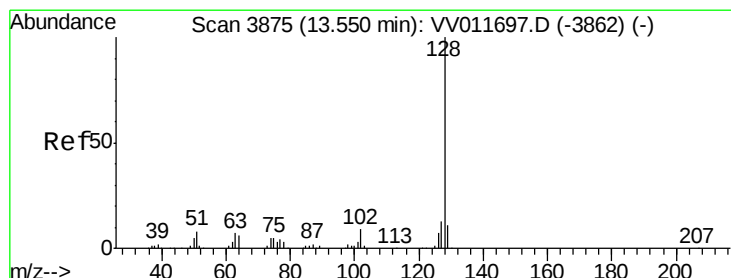
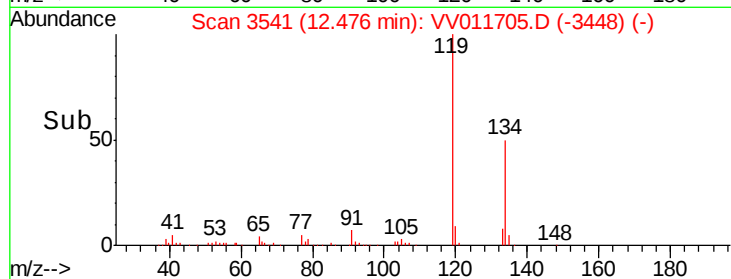
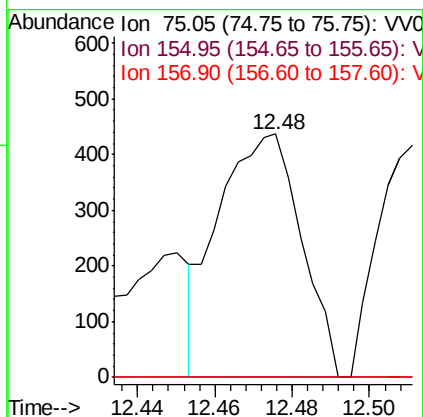
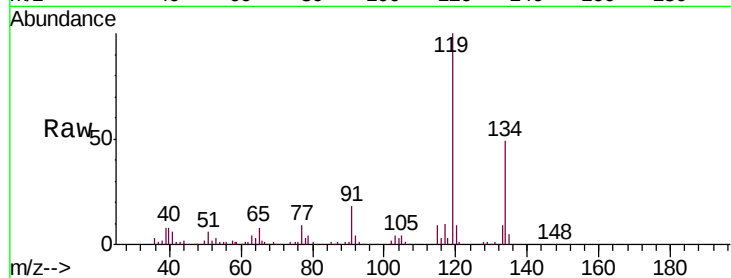




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.567 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011705.D
 Acq: 22 Jun 2019 00:53

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCP6

Tgt Ion: 75 Resp: 648
 Ion Ratio Lower Upper
 75 100
 155 0.0 59.4 89.0#
 157 0.0 77.5 116.3#



#69
 Naphthalene
 Concen: 1.788 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV011705.D
 Acq: 22 Jun 2019 00:53

Tgt Ion: 128 Resp: 35296
 Ion Ratio Lower Upper
 128 100
 129 14.7 8.7 13.1#
 127 13.4 10.5 15.7

