

Data File : VV012474.D
Acq On : 31 Aug 2019 02:45
Operator : SY/MD
Sample : K4607-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD61

Quant Time: Aug 31 05:17:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 31 05:14:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	141193	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	149546	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59945	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43597	3.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.20%
7) Chloroethane-d5	1.59	69	35612	3.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.20%
11) 1,1-Dichloroethene-d2	2.14	63	56146	2.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.40%#
20) 2-Butanone-d5	3.94	46	100543	39.20	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.40%
24) Chloroform-d	4.40	84	75123	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.60%#
26) 1,2-Dichloroethane-d4	5.08	65	50985	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.10	84	163945	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.40%
36) 1,2-Dichloropropane-d6	6.12	67	56596	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	7.36	98	128612	3.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.80%#
43) trans-1,3-Dichloropropene-	7.67	79	20256	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.14	63	75428	38.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.62%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	51285	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	52131	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

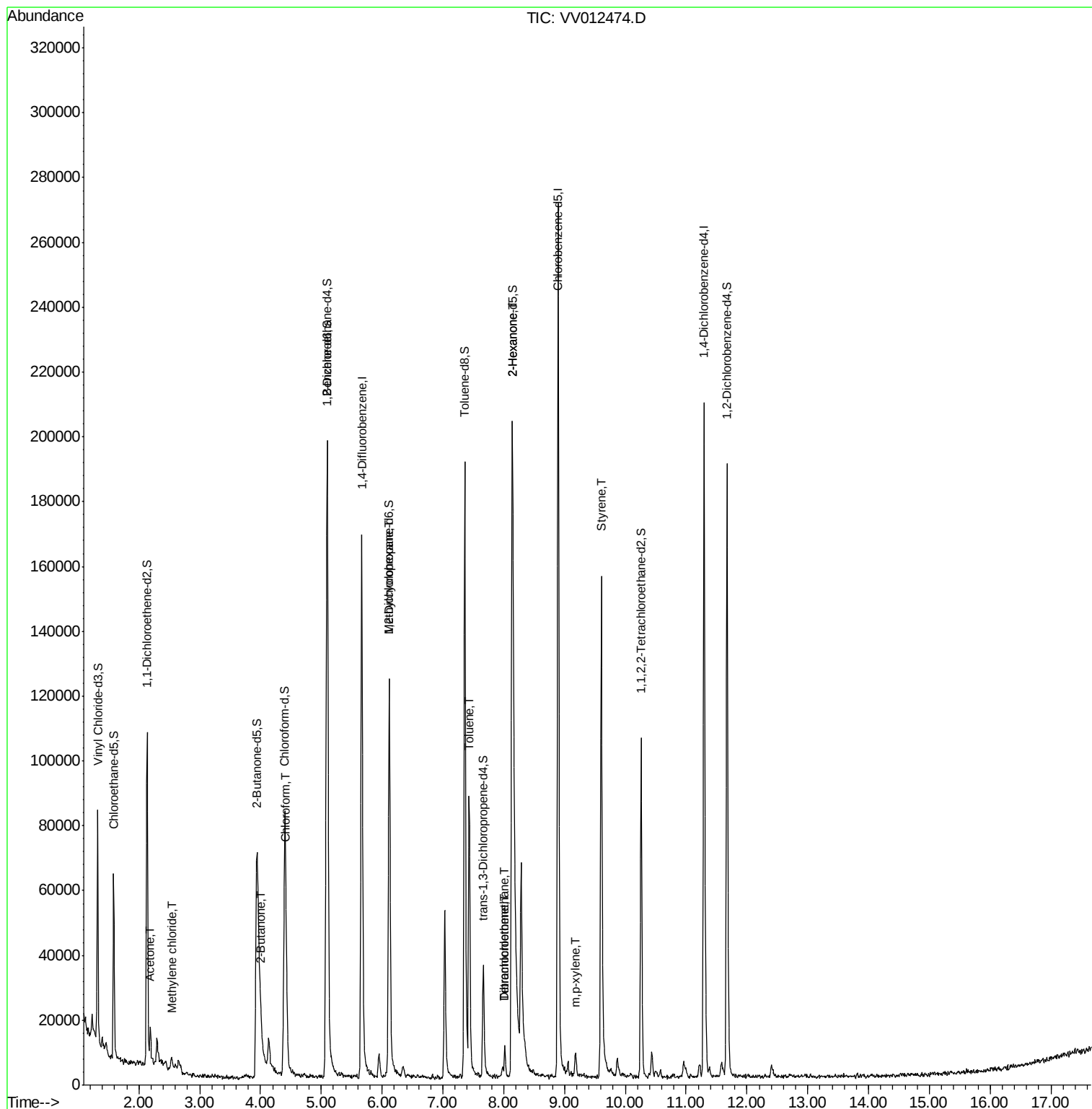
					Qvalue
13) Acetone	2.19	43	10840	5.784	ug/L 100
16) Methylene chloride	2.54	84	1393	0.114	ug/L 97
21) 2-Butanone	4.01	43	7124	2.068	ug/L # 58
25) Chloroform	4.43	83	14540	0.517	ug/L 96
35) Methylcyclohexane	6.12	83	14119	0.588	ug/L # 15
42) Toluene	7.43	91	62058	0.979	ug/L 100
47) Tetrachloroethene	8.02	164	2022	0.160	ug/L 84
48) 2-Hexanone	8.14	43	11523	1.849	ug/L # 26
49) Dibromochloromethane	8.02	129	1778	0.144	ug/L # 11
53) m,p-xylene	9.18	106	2021	0.082	ug/L 72
55) Styrene	9.60	104	76079	1.891	ug/L 94

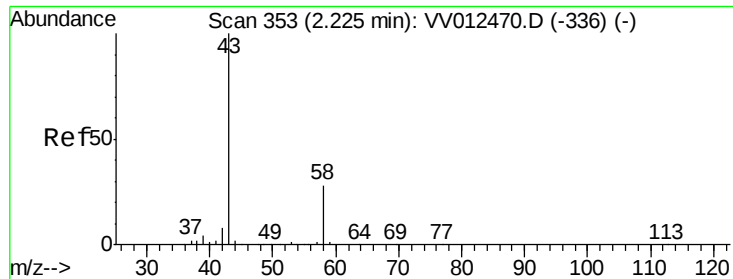
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV012474.D
Acq On : 31 Aug 2019 02:45
Operator : SY/MD
Sample : K4607-04
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFD61

Quant Time: Aug 31 05:17:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 31 05:14:34 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.784 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

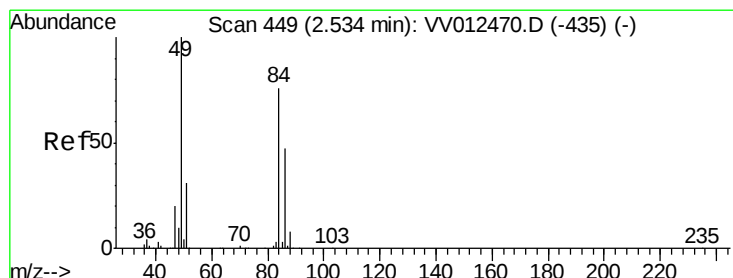
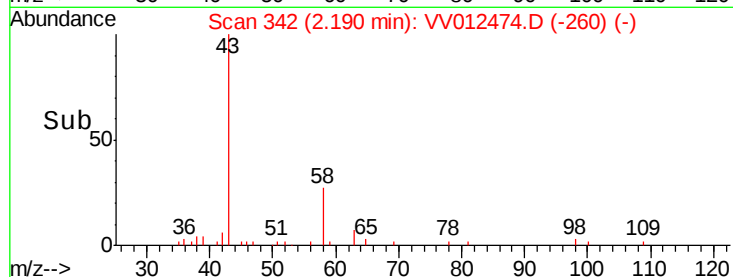
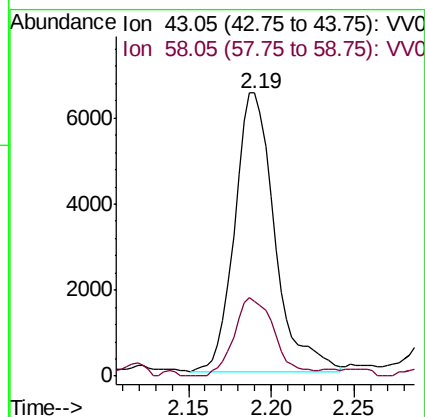
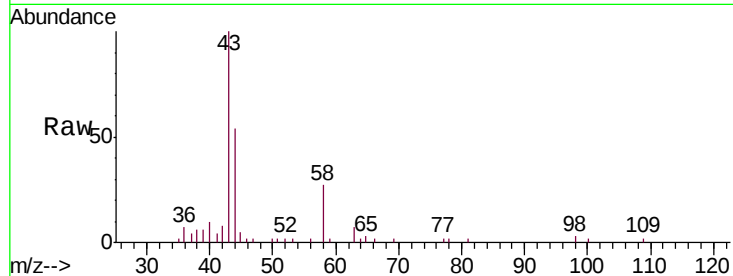
Instrument :
MSVOA_V
ClientSampleId :
BFD61

Tgt Ion: 43 Resp: 10840

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.8



#16

Methylene chloride

Concen: 0.114 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

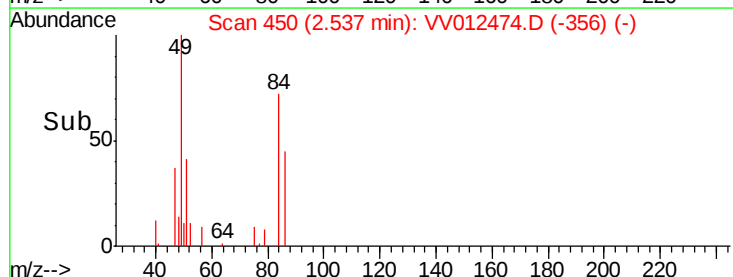
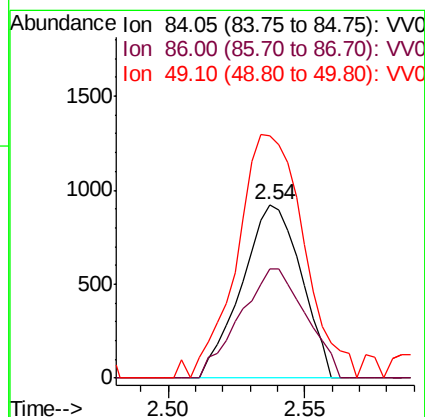
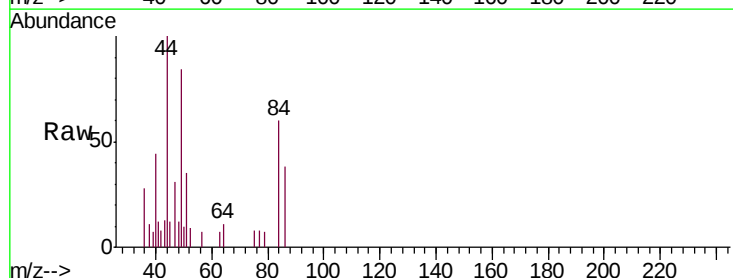
Tgt Ion: 84 Resp: 1393

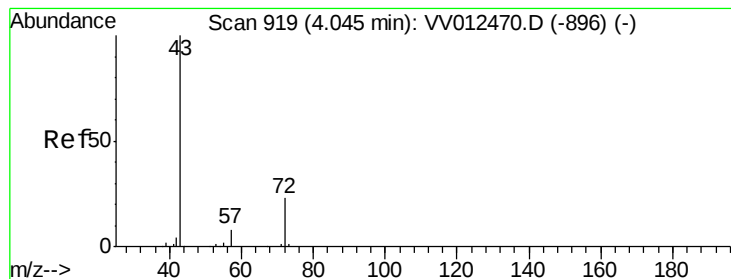
Ion Ratio Lower Upper

84 100

86 63.2 45.2 84.0

49 139.5 95.1 176.7





#21

2-Butanone

Concen: 2.068 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.03 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

Instrument :

MSVOA_V

ClientSampleId :

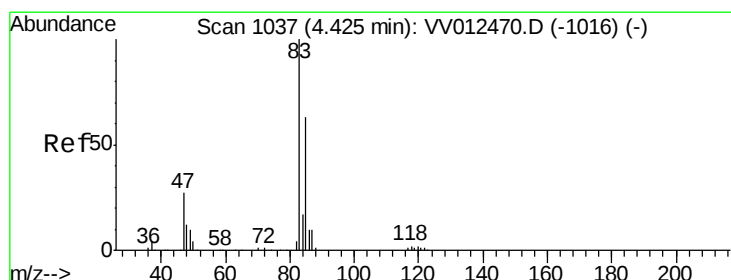
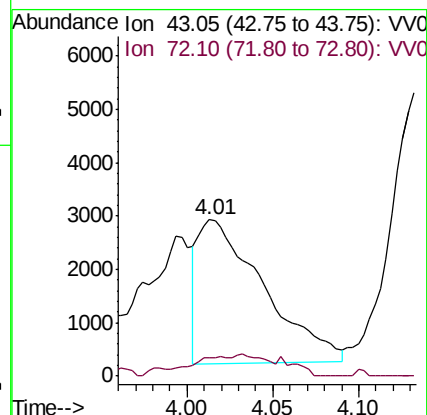
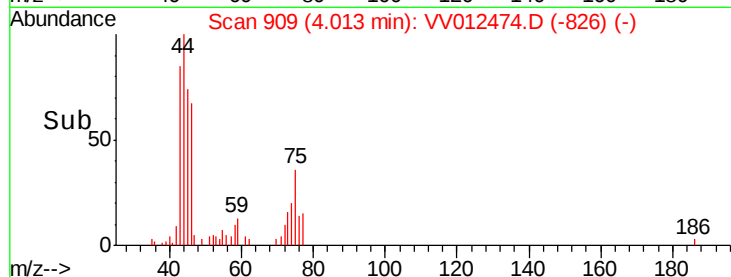
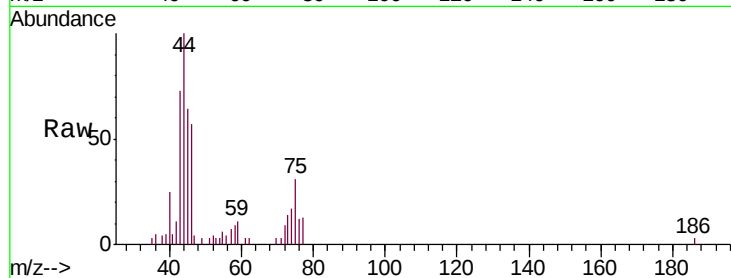
BFD61

Tgt Ion: 43 Resp: 7124

Ion Ratio Lower Upper

43 100

72 3.1 11.8 35.3#



#25

Chloroform

Concen: 0.517 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV012474.D

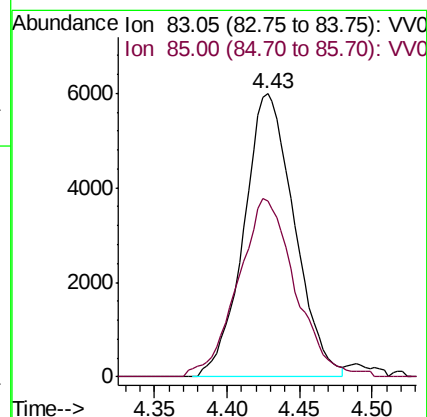
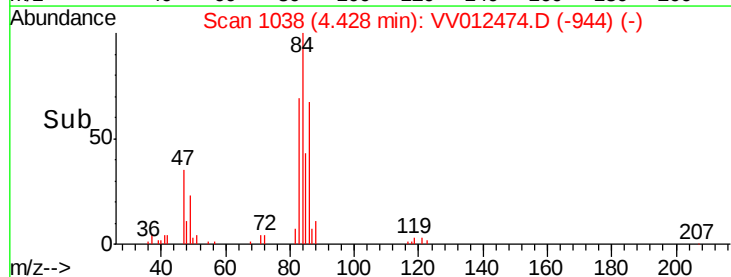
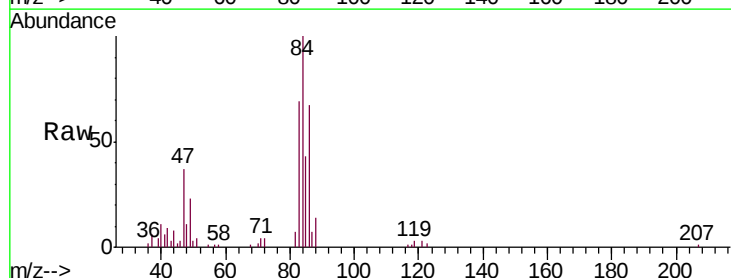
Acq: 31 Aug 2019 02:45

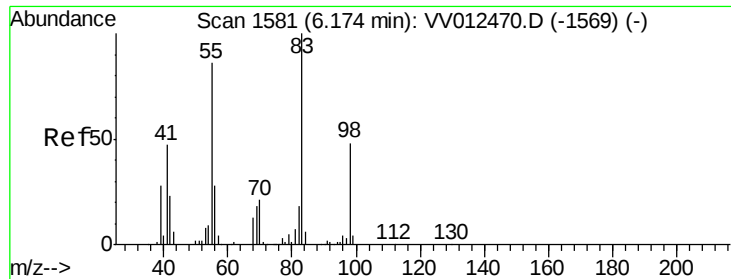
Tgt Ion: 83 Resp: 14540

Ion Ratio Lower Upper

83 100

85 62.0 45.4 84.4

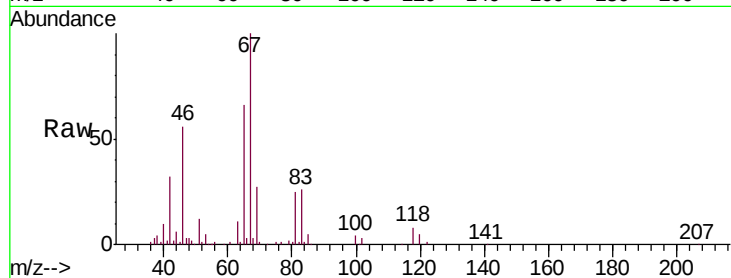




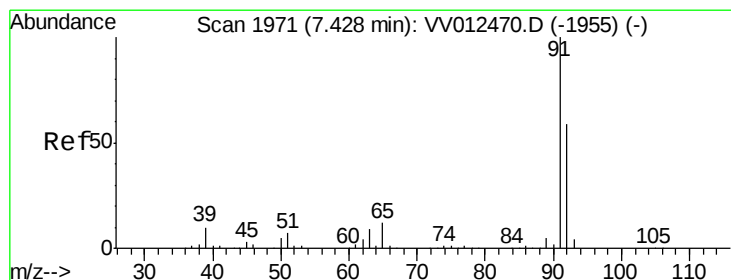
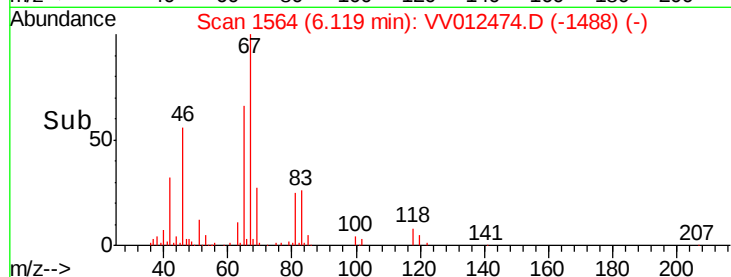
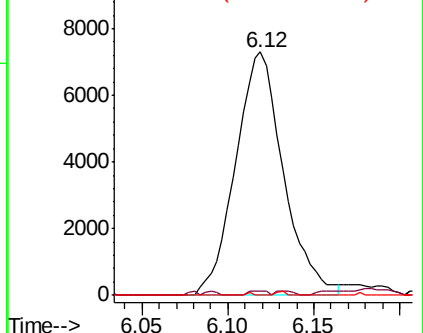
#35
Methylcyclohexane
Concen: 0.588 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV012474.D
Acq: 31 Aug 2019 02:45

Instrument :
MSVOA_V
ClientSampleId :
BFD61

Tgt Ion: 83 Resp: 14119
Ion Ratio Lower Upper
83 100
55 0.6 67.8 101.6#
98 0.0 39.2 58.8#

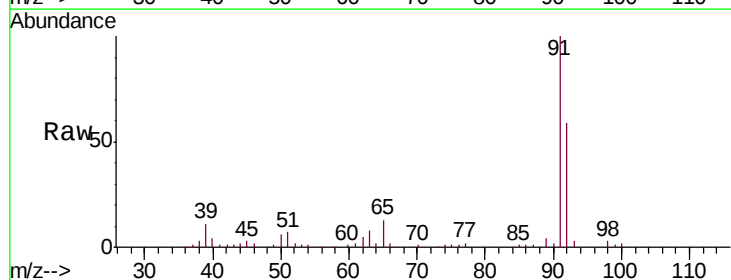


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

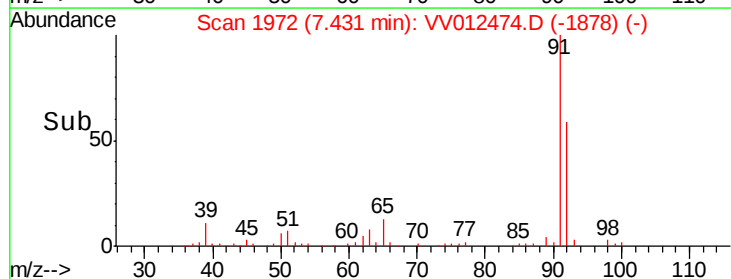
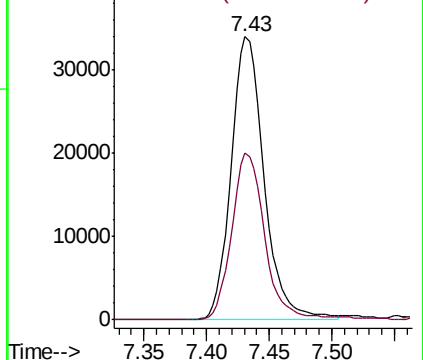


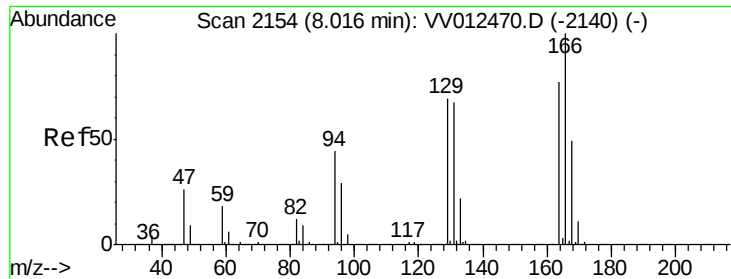
#42
Toluene
Concen: 0.979 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV012474.D
Acq: 31 Aug 2019 02:45

Tgt Ion: 91 Resp: 62058
Ion Ratio Lower Upper
91 100
92 59.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0





#47

Tetrachloroethene

Concen: 0.160 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

Instrument :

MSVOA_V

ClientSampled :

BFD61

Tgt Ion:164 Resp: 2022

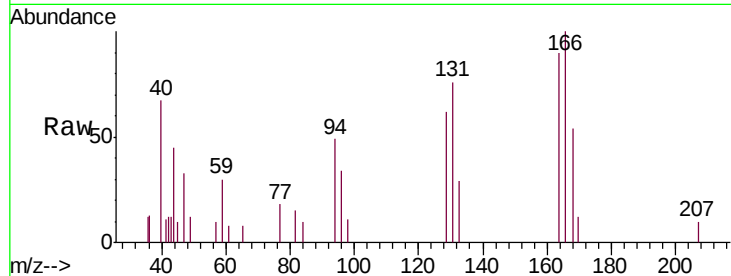
Ion Ratio Lower Upper

164 100

129 68.8 65.6 121.8

131 83.7 63.3 117.5

166 110.7 89.4 166.0

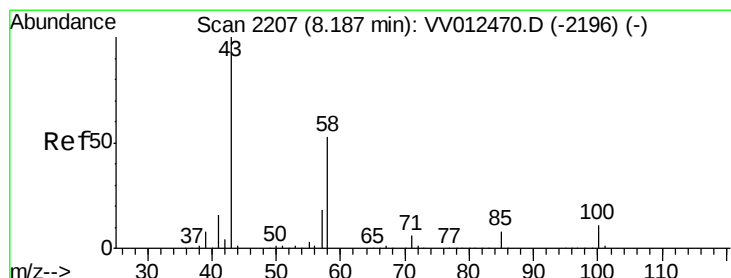
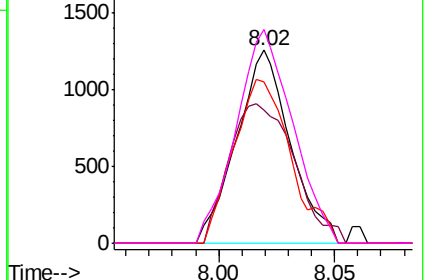
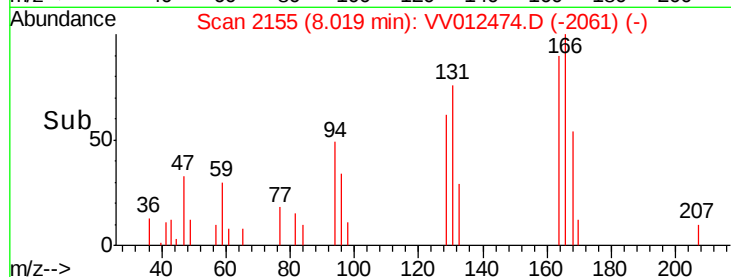


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 1.849 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

Tgt Ion: 43 Resp: 11523

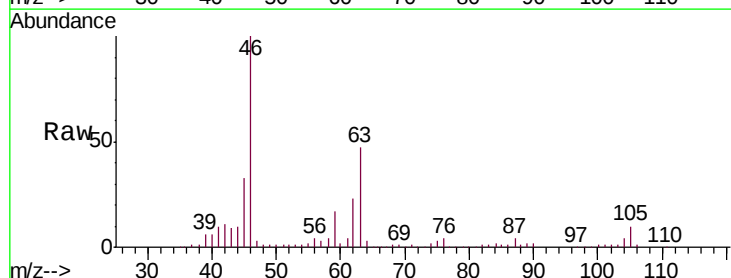
Ion Ratio Lower Upper

43 100

58 109.3 43.6 65.4#

57 62.0 14.2 21.2#

100 4.5 8.9 13.3#

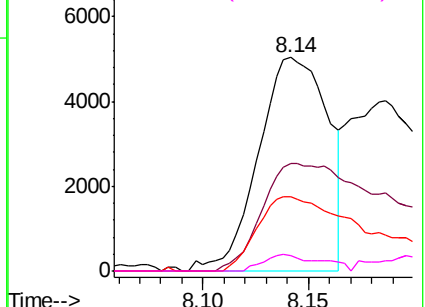
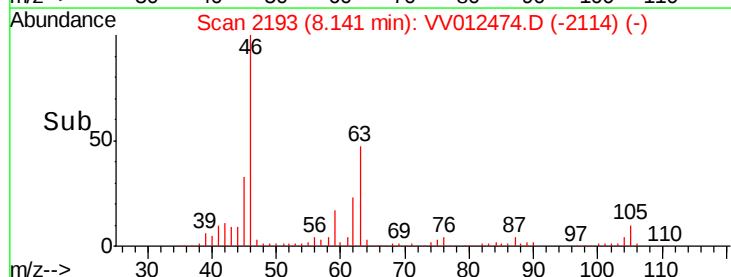


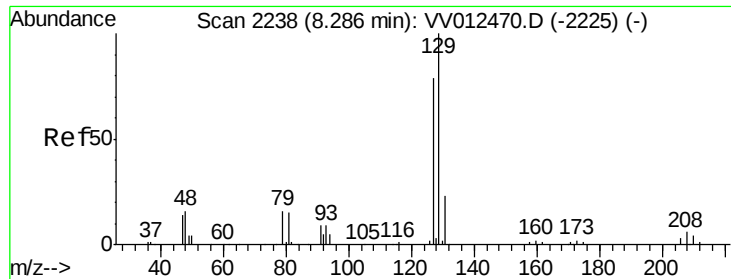
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.144 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

Instrument :

MSVOA_V

ClientSampleId :

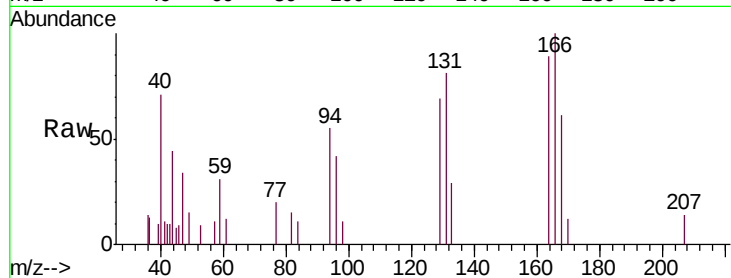
BFD61

Tgt Ion:129 Resp: 1778

Ion Ratio Lower Upper

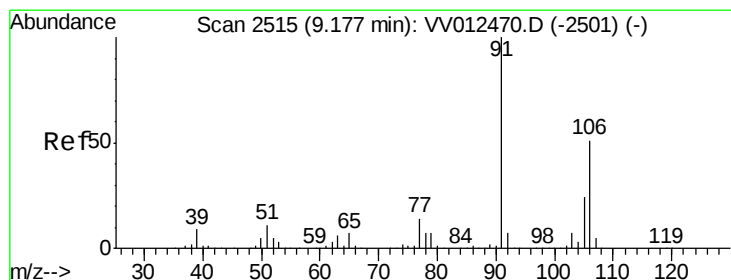
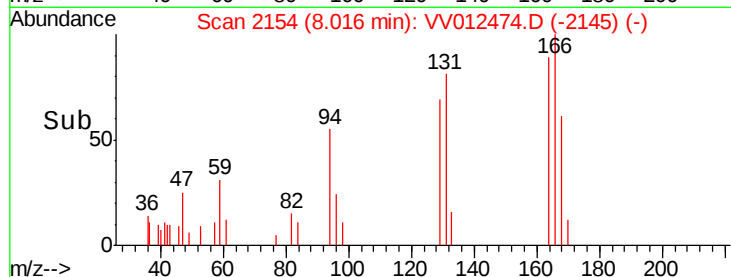
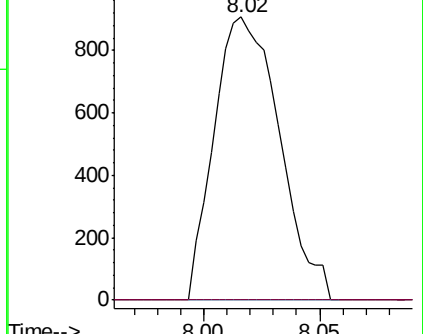
129 100

127 0.0 53.6 99.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#53

m,p-xylene

Concen: 0.082 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.01 min

Lab File: VV012474.D

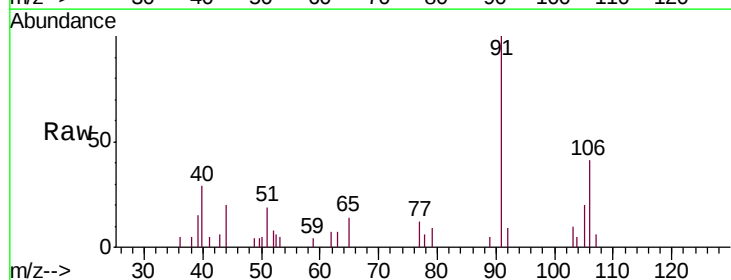
Acq: 31 Aug 2019 02:45

Tgt Ion:106 Resp: 2021

Ion Ratio Lower Upper

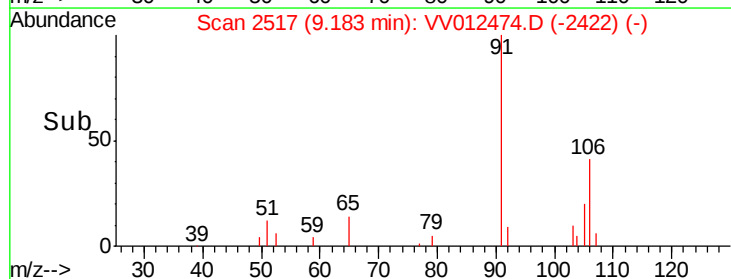
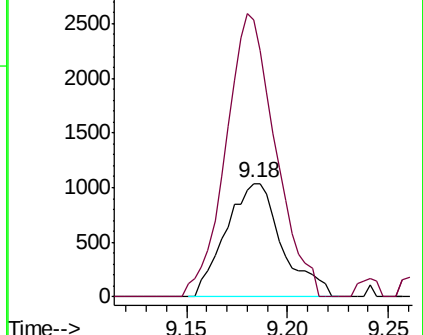
106 100

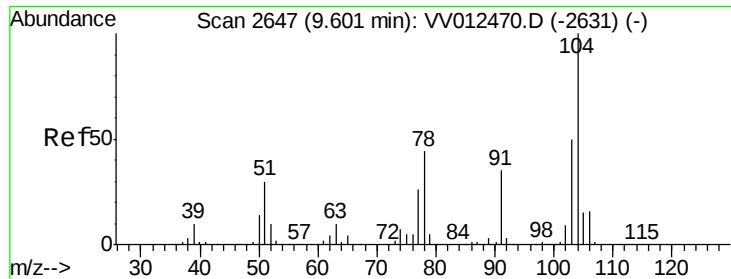
91 244.2 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 1.891 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012474.D

Acq: 31 Aug 2019 02:45

Instrument :

MSVOA_V

ClientSampleId :

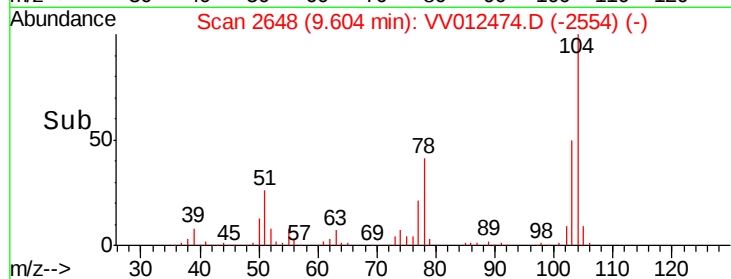
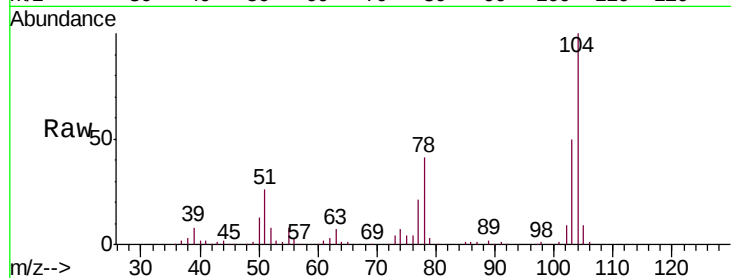
BFD61

Tgt Ion:104 Resp: 76079

Ion Ratio Lower Upper

104 100

78 41.1 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

