

Data File : VV012741.D
Acq On : 13 Sep 2019 21:33
Operator : SY/MD
Sample : K4707-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0CJ5

Quant Time: Sep 14 00:23:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:19:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	773195	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.92	117	807937	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.31	152	491789	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	202708	46.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.52%
7) Chloroethane-d5	1.58	69	189699	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.74%
11) 1,1-Dichloroethene-d2	2.13	63	303650	35.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.24%
21) 2-Butanone-d5	3.92	46	467622	102.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.90%
24) Chloroform-d	4.40	84	571353	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
26) 1,2-Dichloroethane-d4	5.09	65	331874	50.39	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
32) Benzene-d6	5.10	84	987337	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.58%
36) 1,2-Dichloropropane-d6	6.00	67	46	0.01	ug/L	-0.11
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.02%#
41) Toluene-d8	7.36	98	876743	44.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.90%
43) trans-1,3-Dichloropropene-	7.66	79	143399	45.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.48%
47) 2-Hexanone-d5	8.13	63	324936	111.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	531010	54.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.12%
64) 1,2-Dichlorobenzene-d4	11.70	152	540479	48.15	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%

Target Compounds

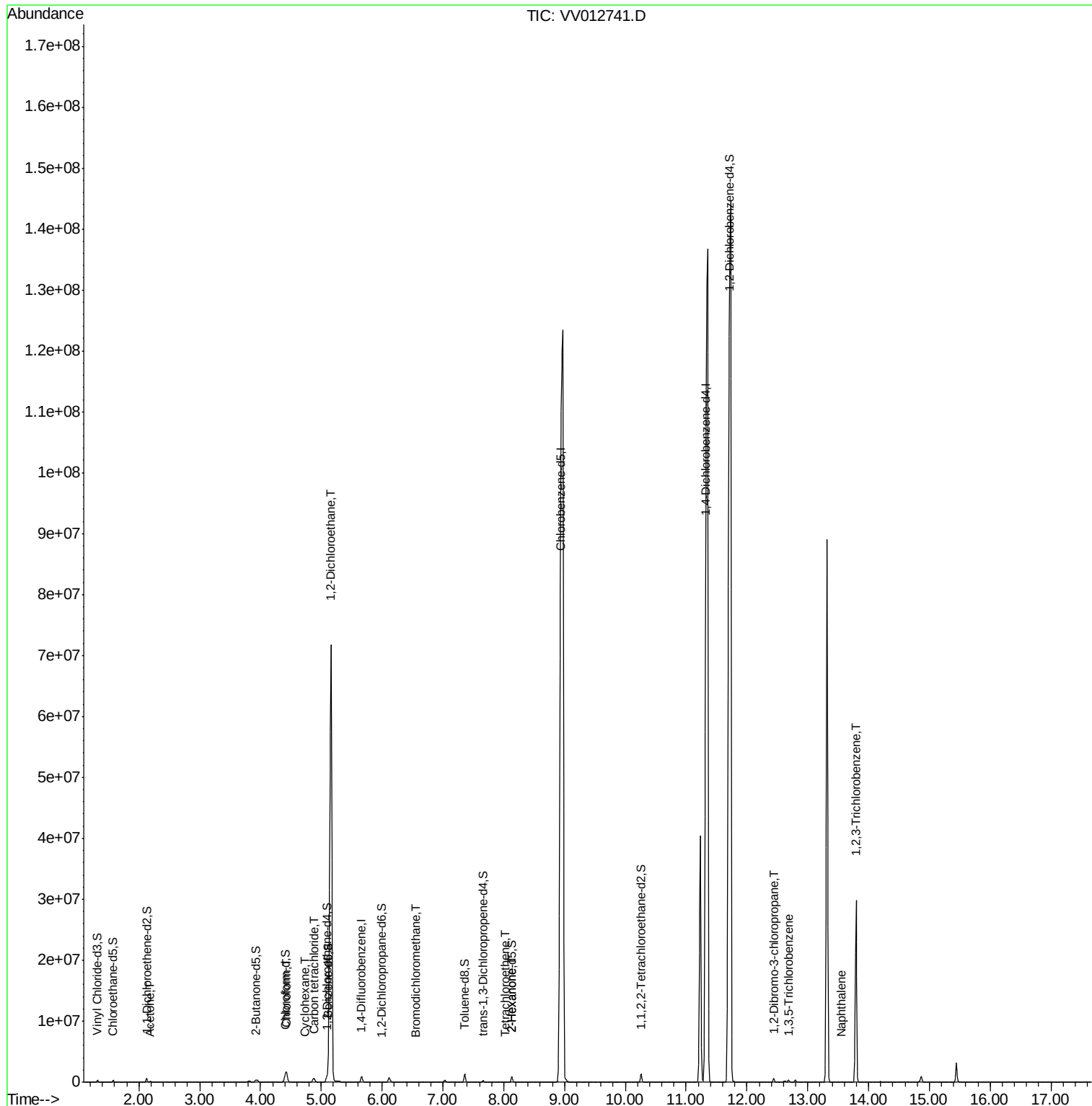
					Qvalue
13) Acetone	2.19	43	64463	17.185	ug/L 99
25) Chloroform	4.42	83	1471569	145.460	ug/L 100
27) 1,2-Dichloroethane	5.16	62	996640	131.626	ug/L # 74
29) Cyclohexane	4.73	56	39513	5.152	ug/L 95
31) Carbon tetrachloride	4.88	117	472024	64.891	ug/L 99
38) Bromodichloromethane	6.56	83	14029	1.724	ug/L # 93
46) Tetrachloroethene	8.02	164	8813	1.989	ug/L 97
48) 2-Hexanone	8.13	43	38463	5.420	ug/L # 42
66) 1,2-Dibromo-3-chloropropan	12.44	75	98076	45.998	ug/L # 1
67) 1,3,5-Trichlorobenzene	12.69	180	22335	1.990	ug/L 99
69) Naphthalene	13.55	128	26182	0.955	ug/L 98
70) 1,2,3-Trichlorobenzene	13.79	180	8784519	853.464	ug/L 97

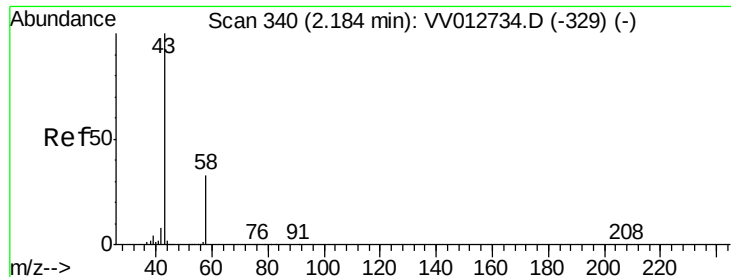
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Sep 14 00:19:14 2019
Response via : Initial Calibration





#13

Acetone

Concen: 17.185 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

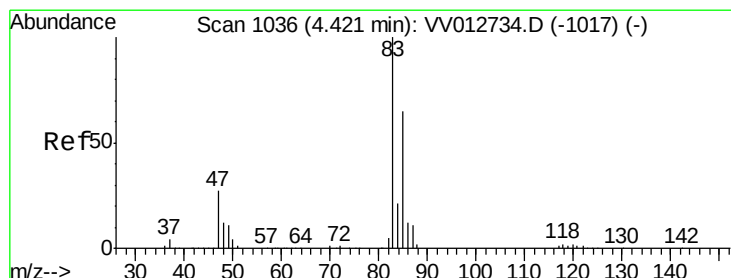
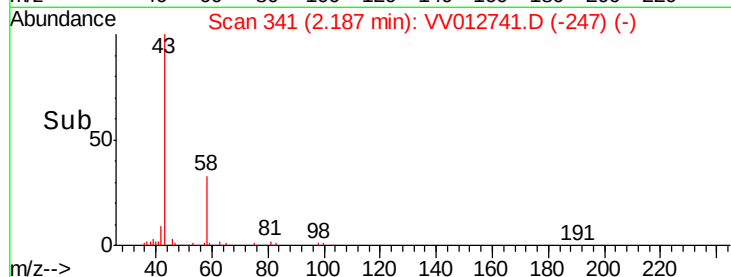
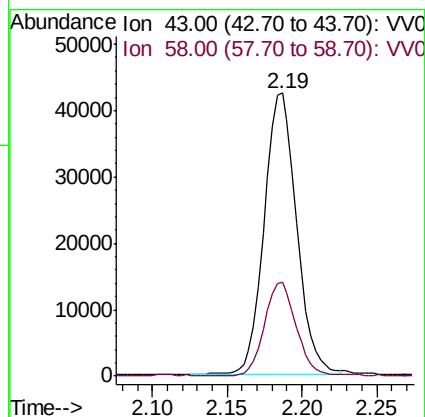
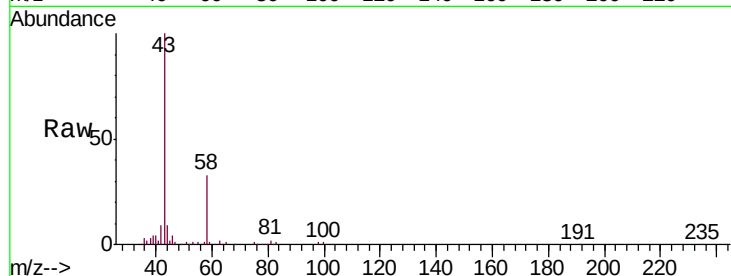
C0CJ5

Tgt Ion: 43 Resp: 64463

Ion Ratio Lower Upper

43 100

58 32.8 0.0 66.4



#25

Chloroform

Concen: 145.460 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV012741.D

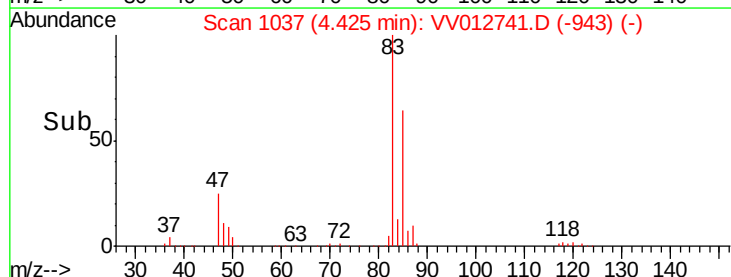
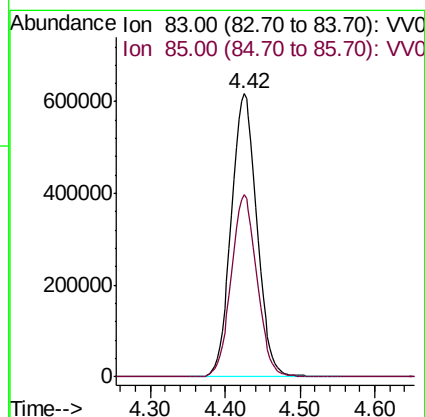
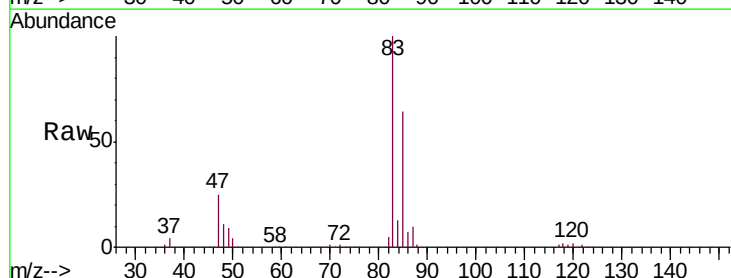
Acq: 13 Sep 2019 21:33

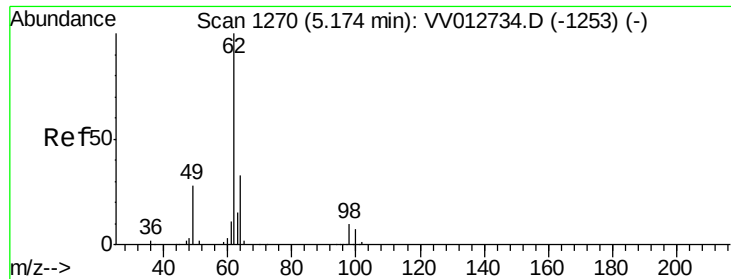
Tgt Ion: 83 Resp: 1471569

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

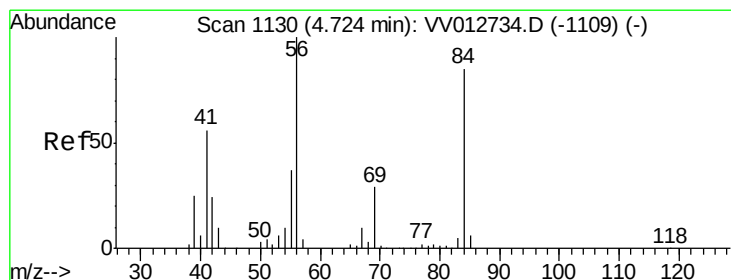
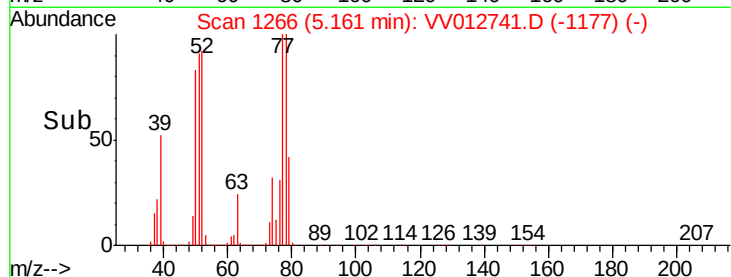
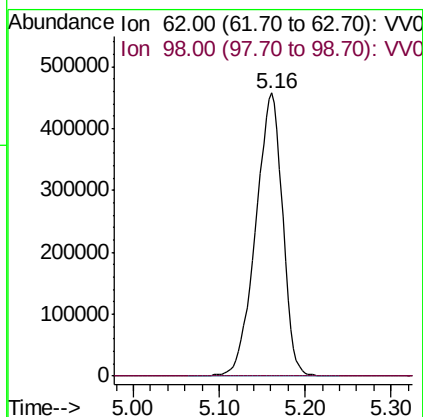
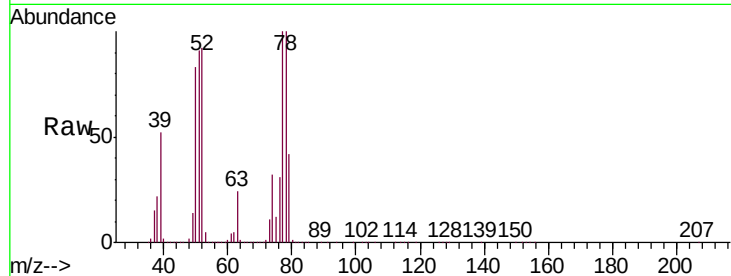




#27
 1,2-Dichloroethane
 Concen: 131.626 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VV012741.D
 Acq: 13 Sep 2019 21:33

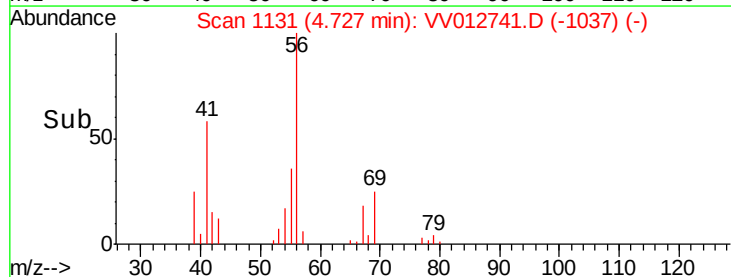
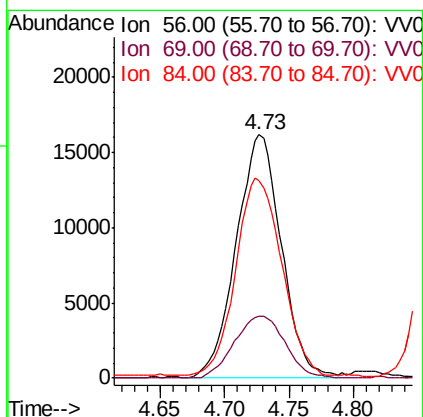
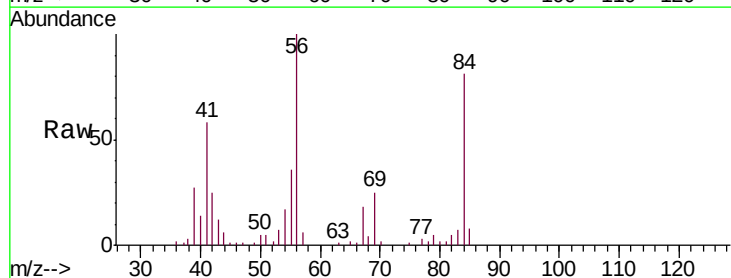
Instrument :
 MSVOA_V
 ClientSampled :
 C0CJ5

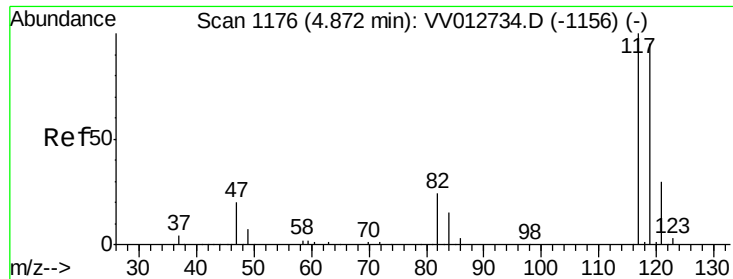
Tgt Ion: 62 Resp: 996640
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.7 11.5#



#29
 Cyclohexane
 Concen: 5.152 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV012741.D
 Acq: 13 Sep 2019 21:33

Tgt Ion: 56 Resp: 39513
 Ion Ratio Lower Upper
 56 100
 69 28.5 24.2 36.2
 84 81.9 69.8 104.6





#31

Carbon tetrachloride

Concen: 64.891 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

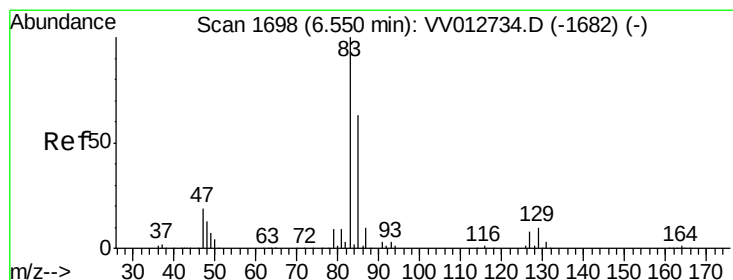
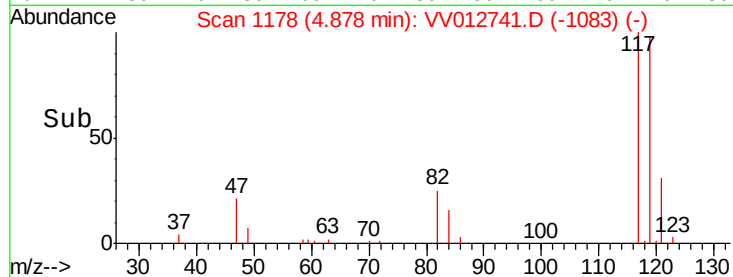
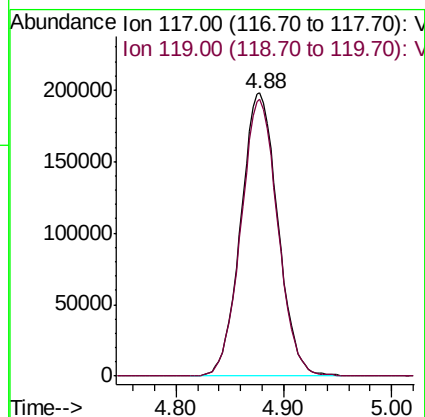
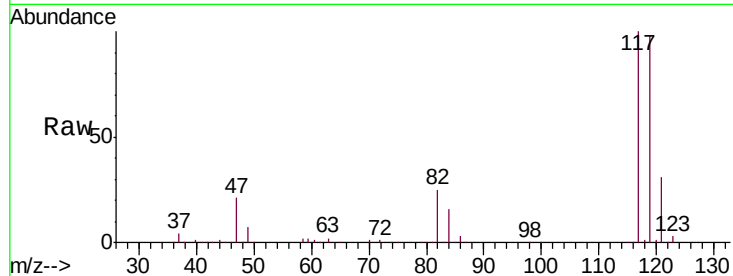
C0CJ5

Tgt Ion:117 Resp: 472024

Ion Ratio Lower Upper

117 100

119 97.0 77.1 115.7



#38

Bromodichloromethane

Concen: 1.724 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

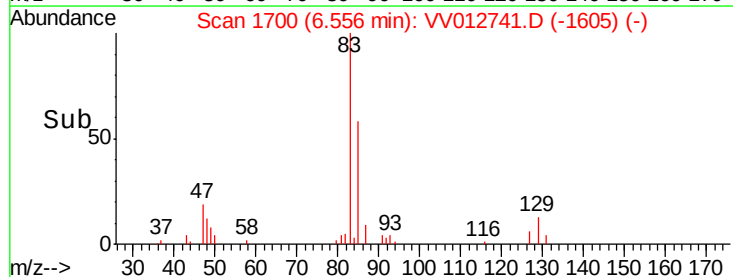
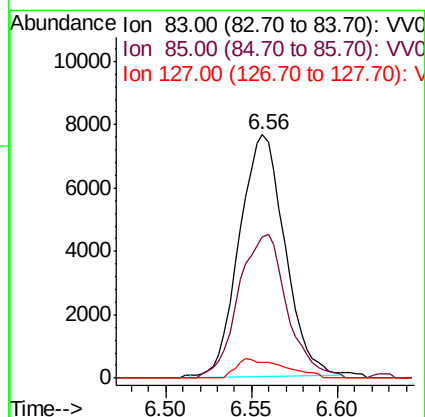
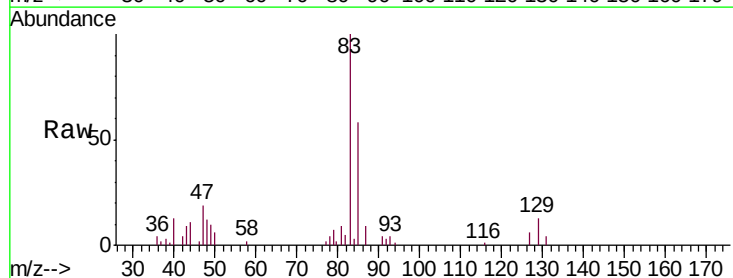
Tgt Ion: 83 Resp: 14029

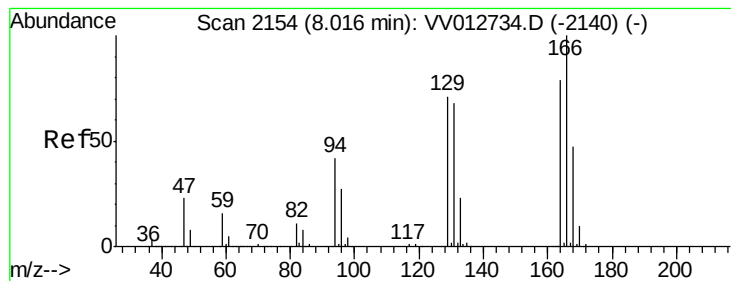
Ion Ratio Lower Upper

83 100

85 58.0 44.4 82.5

127 6.2 7.0 10.4#





#46

Tetrachloroethene

Concen: 1.989 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

C0CJ5

Tgt Ion:164 Resp: 8813

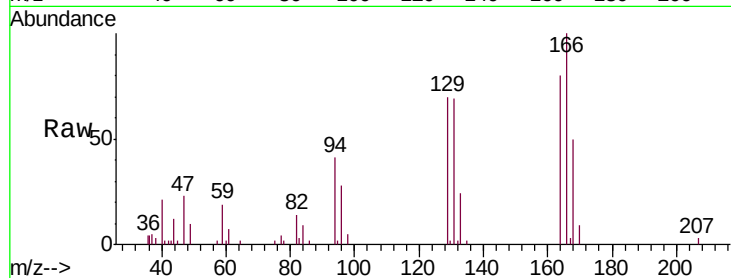
Ion Ratio Lower Upper

164 100

129 87.4 62.7 116.5

131 86.8 62.7 116.5

166 125.4 89.9 167.0

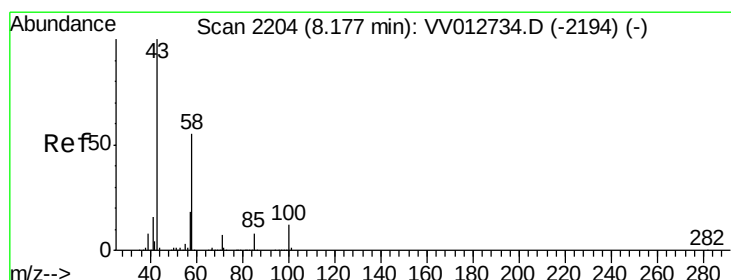
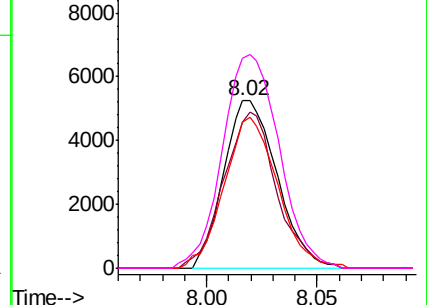
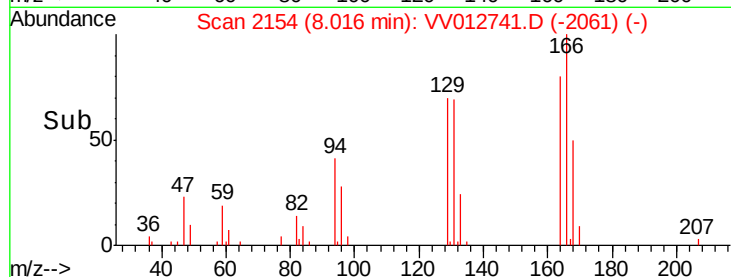


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.420 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.05 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Tgt Ion: 43 Resp: 38463

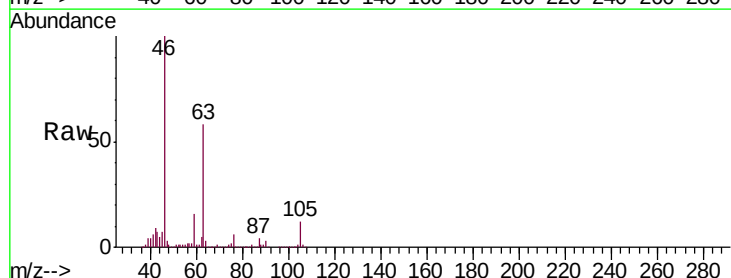
Ion Ratio Lower Upper

43 100

58 0.0 43.8 65.8#

57 27.4 14.3 21.5#

100 0.5 9.8 14.8#

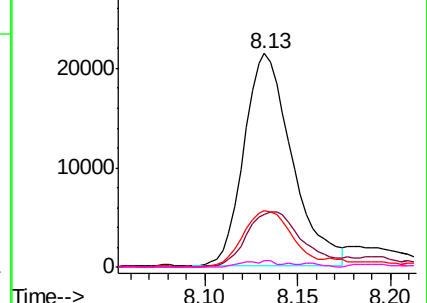
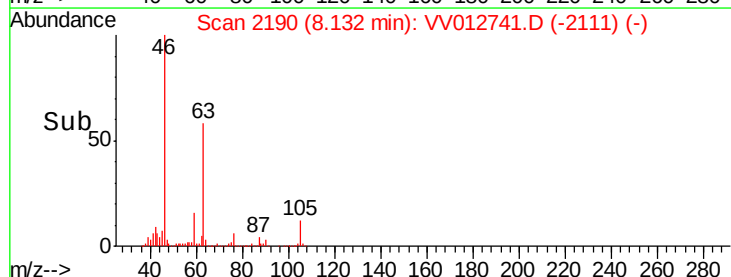


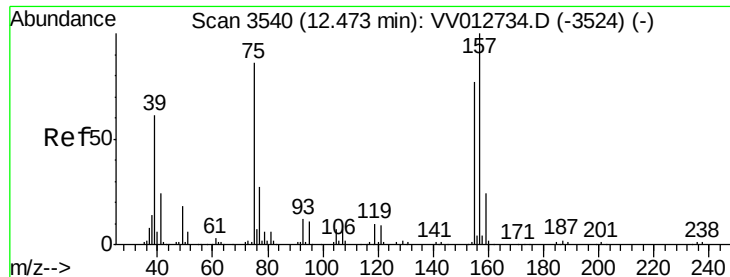
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#66

1,2-Dibromo-3-chloropropane

Concen: 45.998 ug/L

RT: 12.44 min Scan# 3530

Delta R.T. -0.03 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

C0CJ5

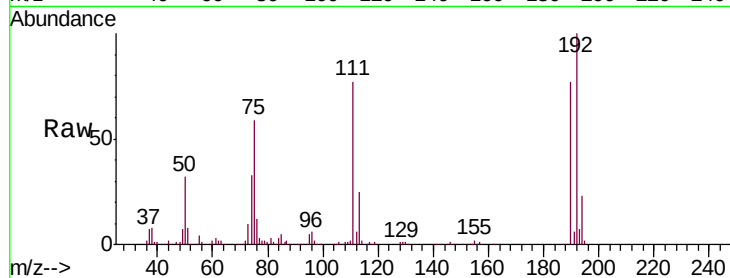
Tgt Ion: 75 Resp: 98076

Ion Ratio Lower Upper

75 100

155 3.0 73.4 110.0#

157 2.4 90.2 135.2#

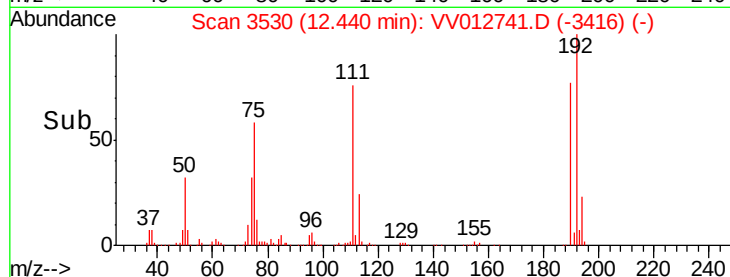


Abundance Ion 75.00 (74.70 to 75.70): VV012741.D (-3416) (-)

Ion 155.00 (154.70 to 155.70): VV012741.D (-3416) (-)

Ion 157.00 (156.70 to 157.70): VV012741.D (-3416) (-)

Time-->

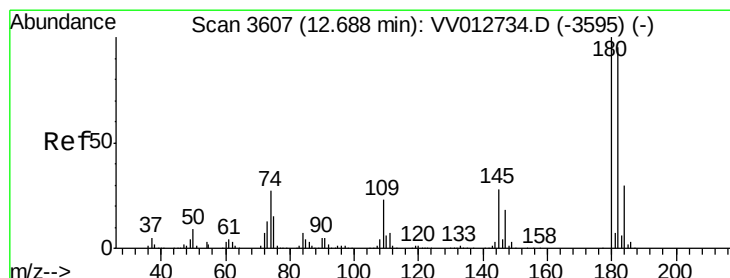


Abundance Ion 75.00 (74.70 to 75.70): VV012741.D (-3416) (-)

Ion 155.00 (154.70 to 155.70): VV012741.D (-3416) (-)

Ion 157.00 (156.70 to 157.70): VV012741.D (-3416) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 1.990 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Tgt Ion: 180 Resp: 22335

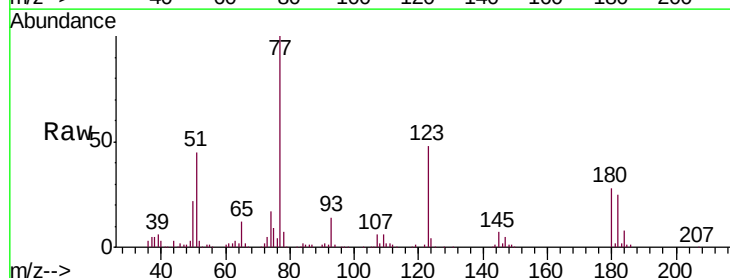
Ion Ratio Lower Upper

180 100

182 94.9 76.7 115.1

184 31.4 24.4 36.6

145 28.3 22.6 33.8



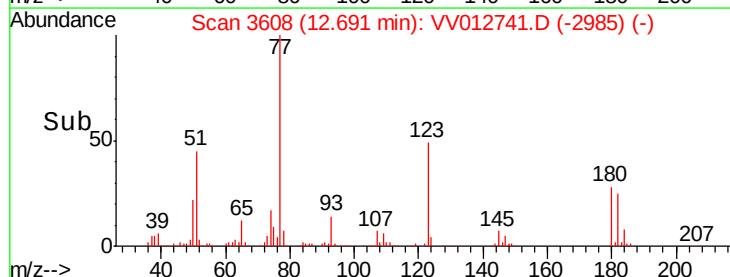
Abundance Ion 180.00 (179.70 to 180.70): VV012741.D (-2985) (-)

Ion 182.00 (181.70 to 182.70): VV012741.D (-2985) (-)

Ion 184.00 (183.70 to 184.70): VV012741.D (-2985) (-)

Ion 145.00 (144.70 to 145.70): VV012741.D (-2985) (-)

Time-->



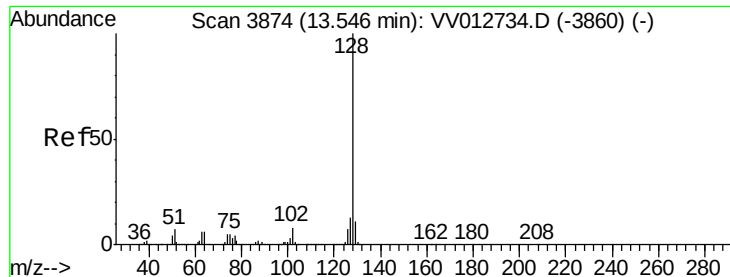
Abundance Ion 180.00 (179.70 to 180.70): VV012741.D (-2985) (-)

Ion 182.00 (181.70 to 182.70): VV012741.D (-2985) (-)

Ion 184.00 (183.70 to 184.70): VV012741.D (-2985) (-)

Ion 145.00 (144.70 to 145.70): VV012741.D (-2985) (-)

Time-->



#69

Naphthalene

Concen: 0.955 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

C0CJ5

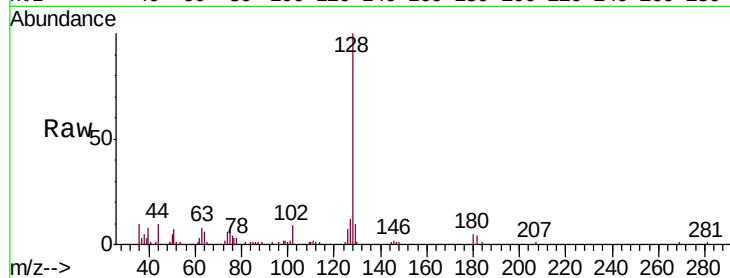
Tgt Ion:128 Resp: 26182

Ion Ratio Lower Upper

128 100

127 12.2 10.4 15.6

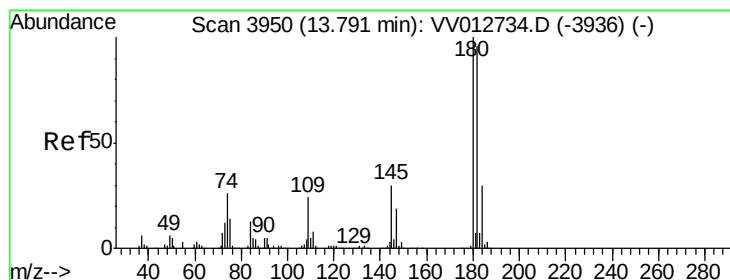
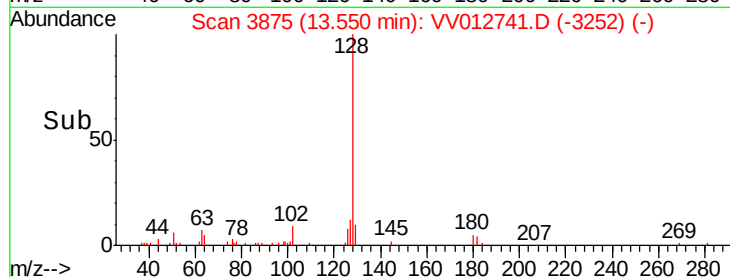
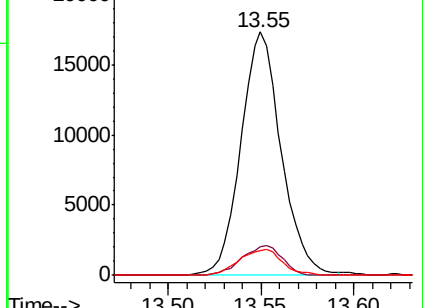
129 11.4 8.8 13.2



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: 853.464 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012741.D

Acq: 13 Sep 2019 21:33

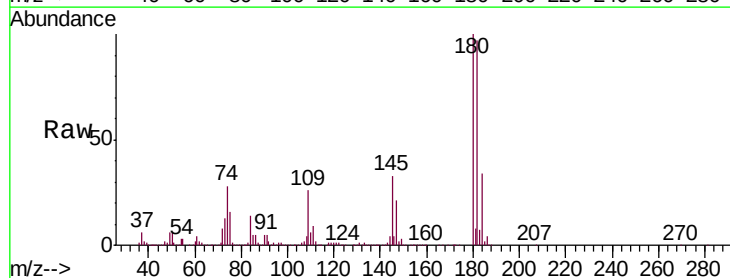
Tgt Ion:180 Resp: 8784519

Ion Ratio Lower Upper

180 100

182 96.5 75.6 113.4

145 32.4 24.2 36.2



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

