

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011735.D
 Acq On : 24 Jun 2019 17:35
 Operator : SY/MD
 Sample : K3462-16
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:22:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	160197	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148463	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	62673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53033	4.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.80%
7) Chloroethane-d5	1.58	69	38454	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.12	63	81695	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	3.95	46	175896	62.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.60%
24) Chloroform-d	4.40	84	110010	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.40%
26) 1,2-Dichloroethane-d4	5.08	65	66244	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.10	84	227098	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
36) 1,2-Dichloropropane-d6	6.12	67	70613	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.80%
41) Toluene-d8	7.36	98	198949	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
43) trans-1,3-Dichloropropene-	7.66	79	22587	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
46) 2-Hexanone-d5	8.13	63	132668	63.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.86%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52294	5.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	68055	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

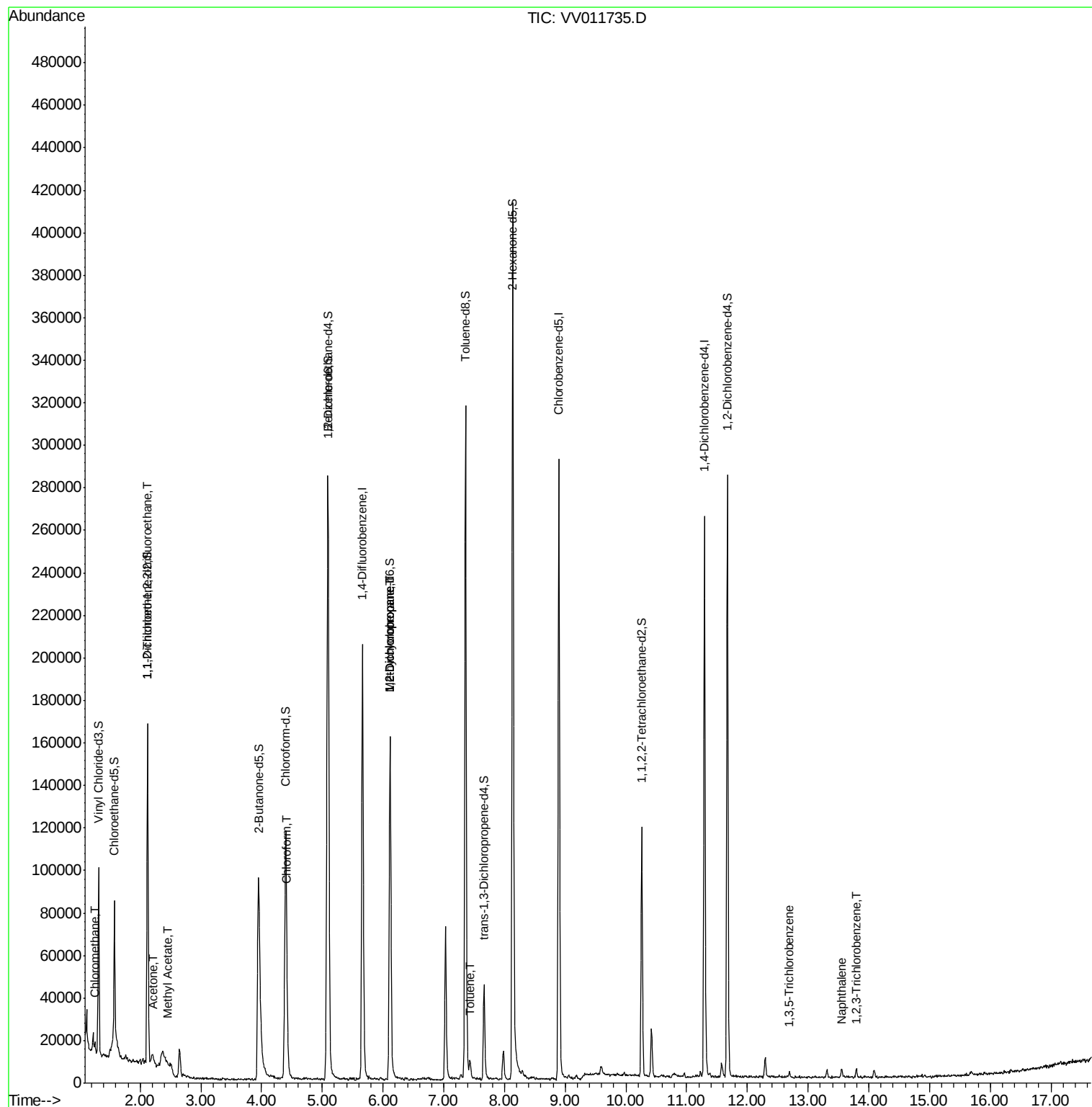
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	3008	0.199	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1042	0.096	ug/L #	26
13) Acetone	2.21	43	6332	3.130	ug/L	71
15) Methyl Acetate	2.47	43	863	0.171	ug/L #	88
25) Chloroform	4.42	83	4971	0.195	ug/L	97
35) Methylcyclohexane	6.12	83	17532	0.832	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	8844	0.708	ug/L #	88
42) Toluene	7.43	91	4793	0.093	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	825	0.052	ug/L #	95
69) Naphthalene	13.55	128	2927	0.147	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	1184	0.105	ug/L	98

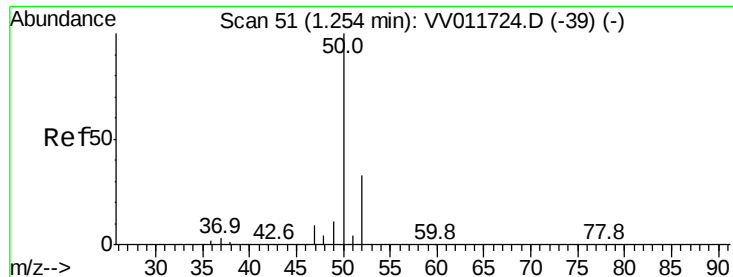
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.199 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

Instrument :

MSVOA_V

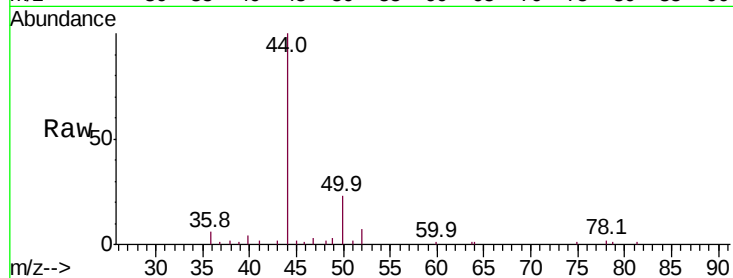
ClientSampleId :

Tot Ion: 50 Resp: 3008

Ion Ratio Lower Upper

50 100

52 30.2 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011724.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011735.D (-1) (-)

3000

2500

2000

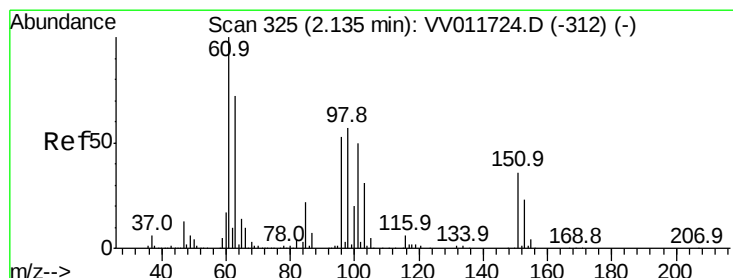
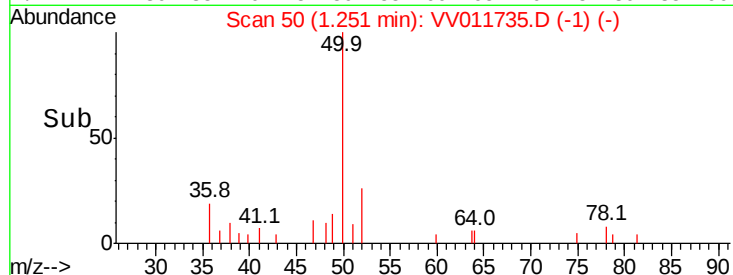
1500

1000

500

0

Time-->



#10

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

Concen: 0.096 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

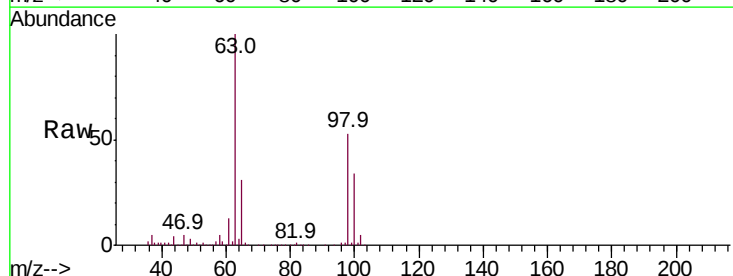
Tgt Ion:101 Resp: 1042

Ion Ratio Lower Upper

101 100

85 8.8 35.9 53.9#

151 0.0 57.4 86.2#



Abundance Ion 101.00 (100.70 to 101.70): VV011724.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV011735.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV011735.D (-232) (-)

800

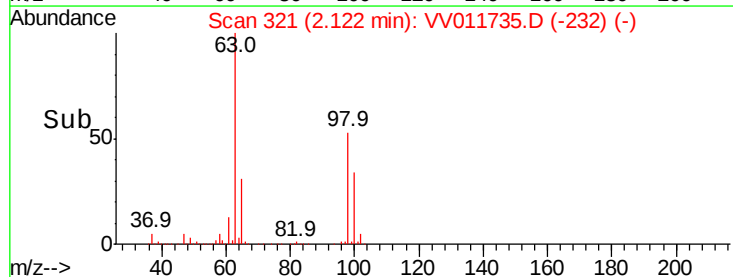
600

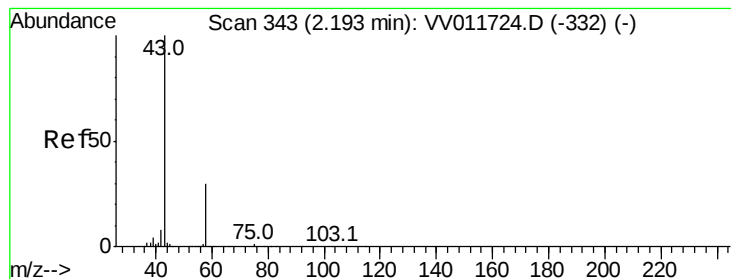
400

200

0

Time-->





#13

Acetone

Concen: 3.130 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

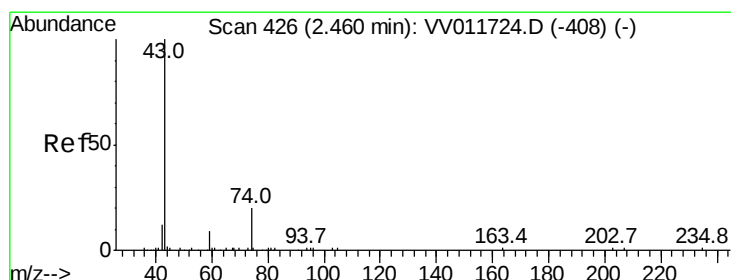
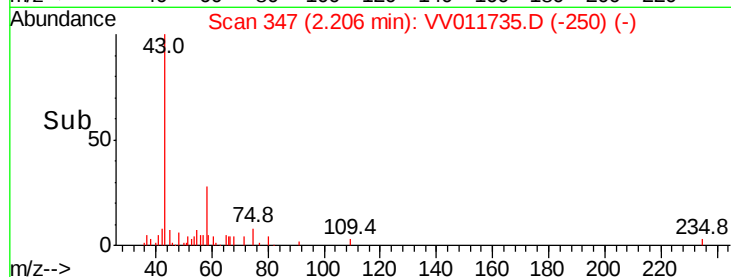
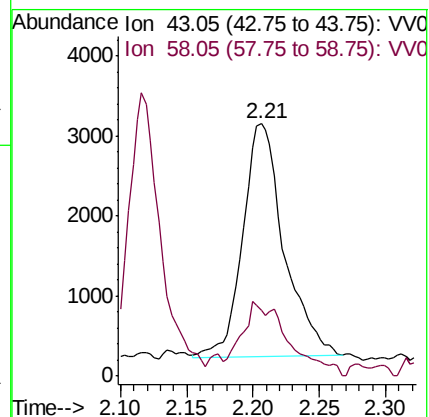
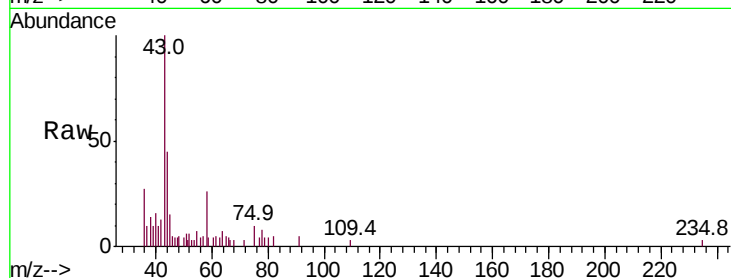
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 6332

Ion Ratio Lower Upper

43 100

58 13.0 0.0 56.6



#15

Methyl Acetate

Concen: 0.171 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV011735.D

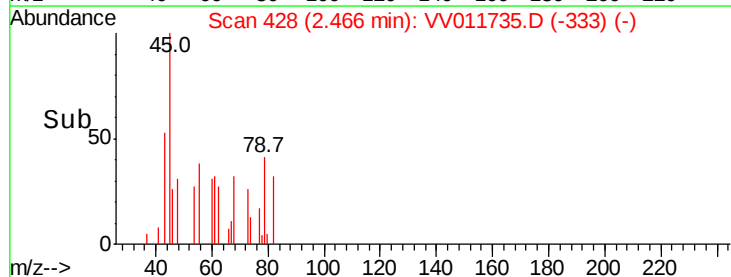
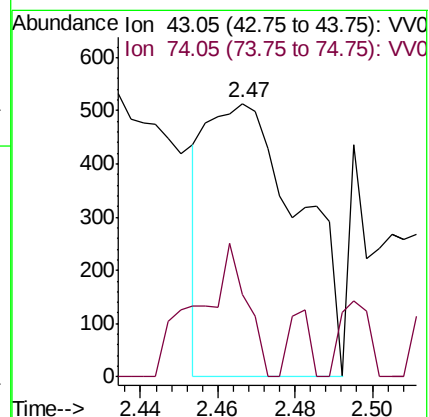
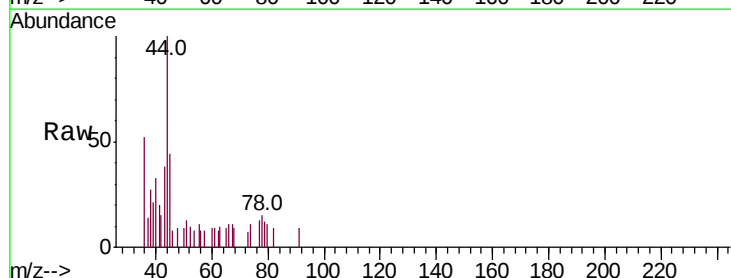
Acq: 24 Jun 2019 17:35

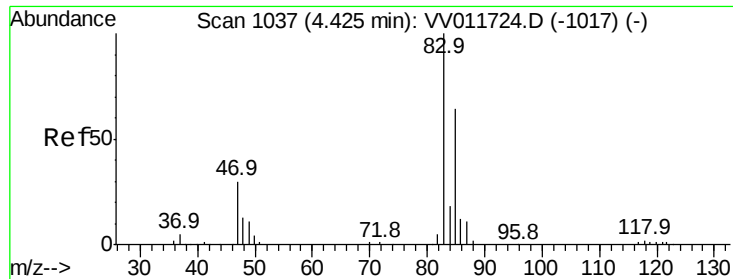
Tgt Ion: 43 Resp: 863

Ion Ratio Lower Upper

43 100

74 25.6 16.2 24.2#

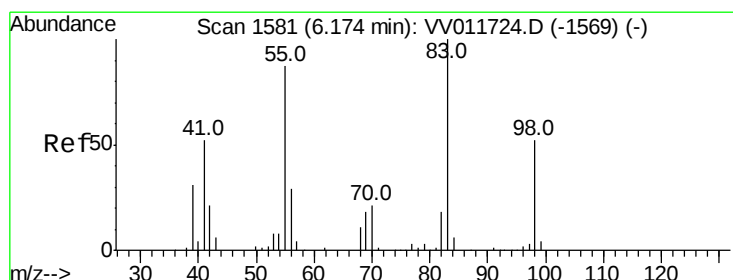
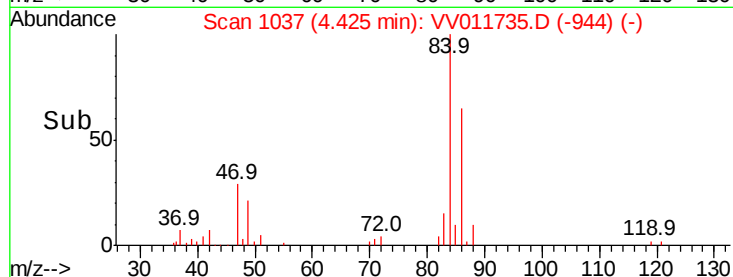
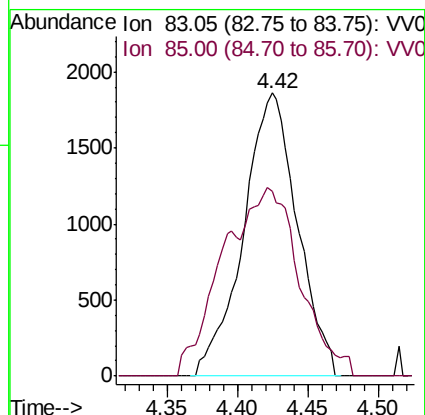
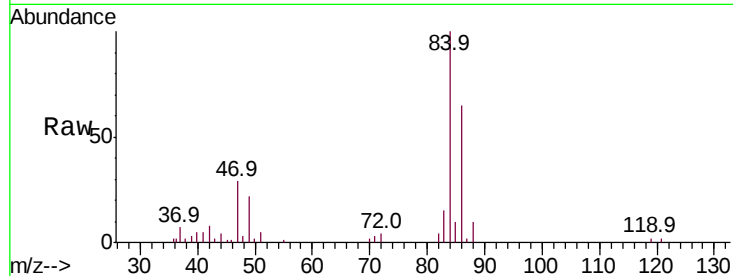




#25
Chloroform
Concen: 0.195 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV011735.D
Acq: 24 Jun 2019 17:35

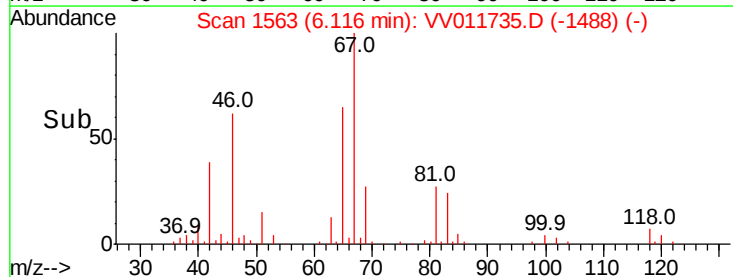
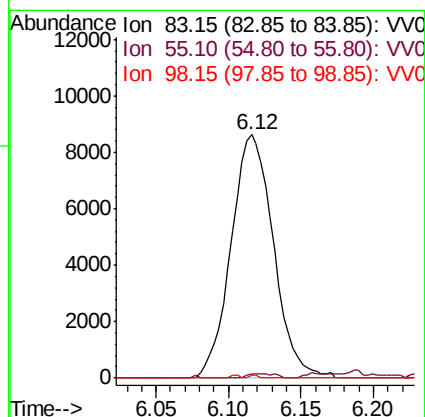
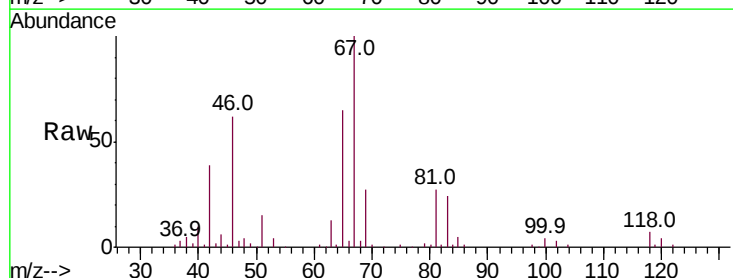
Instrument :
MSVOA_V
ClientSampleId :

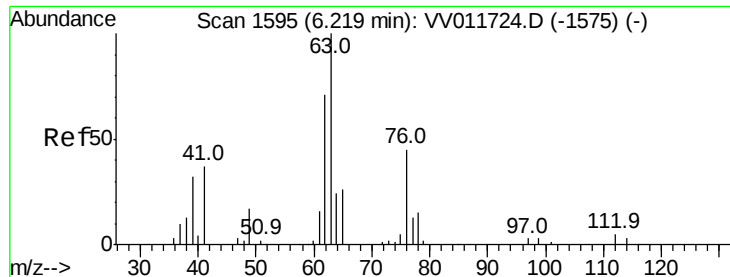
Tot Ion: 83 Resp: 4971
Ion Ratio Lower Upper
83 100
85 65.1 47.0 87.2



#35
Methylcyclohexane
Concen: 0.832 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011735.D
Acq: 24 Jun 2019 17:35

Tgt Ion: 83 Resp: 17532
Ion Ratio Lower Upper
83 100
55 1.2 69.4 104.2#
98 0.2 40.2 60.4#





#37

1,2-Dichloropropane

Concen: 0.708 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

Instrument :

MSVOA_V

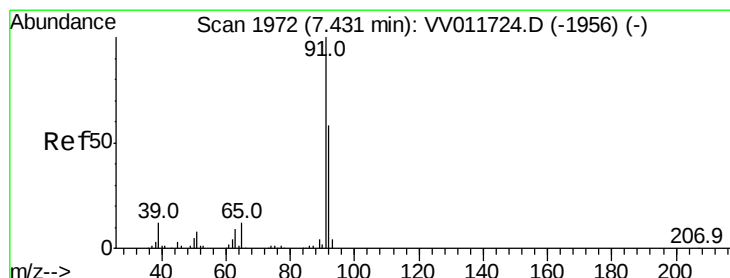
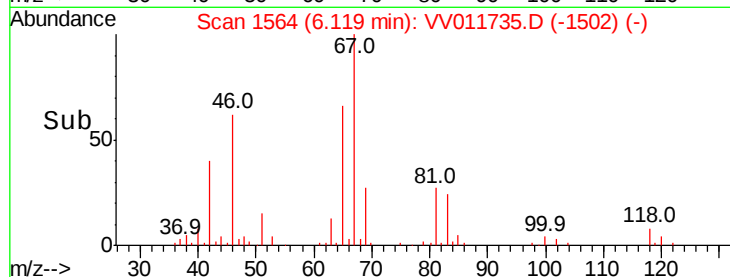
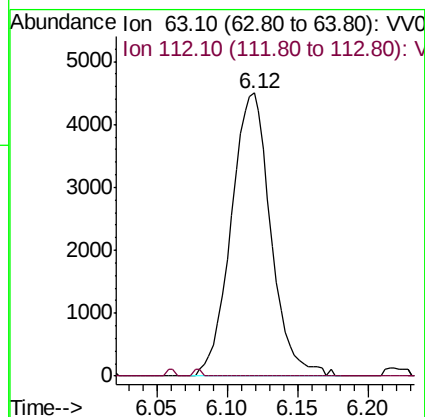
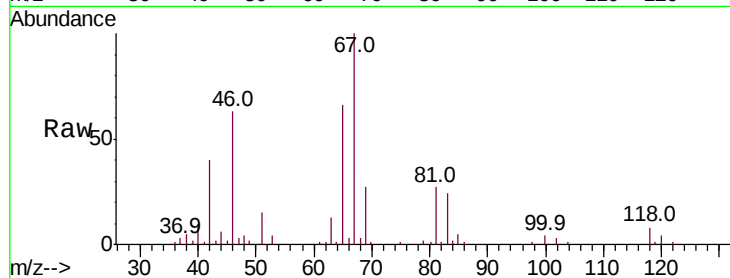
ClientSampleId :

Tot Ion: 63 Resp: 8844

Ion Ratio Lower Upper

63 100

112 0.5 3.4 5.2#



#42

Toluene

Concen: 0.093 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV011735.D

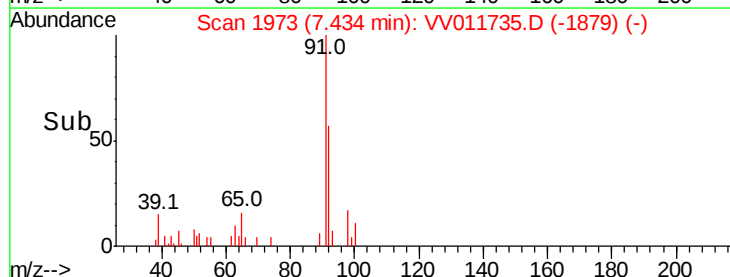
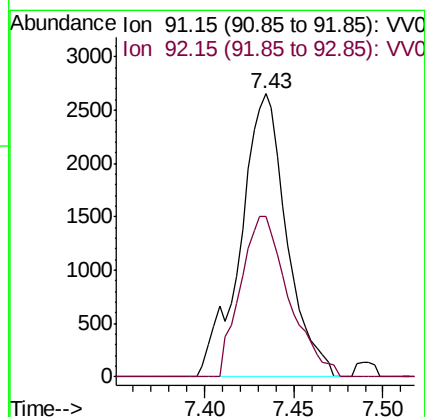
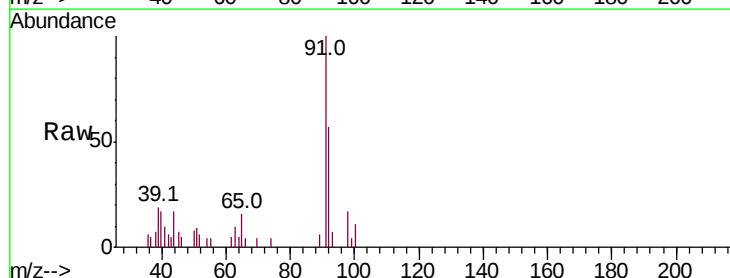
Acq: 24 Jun 2019 17:35

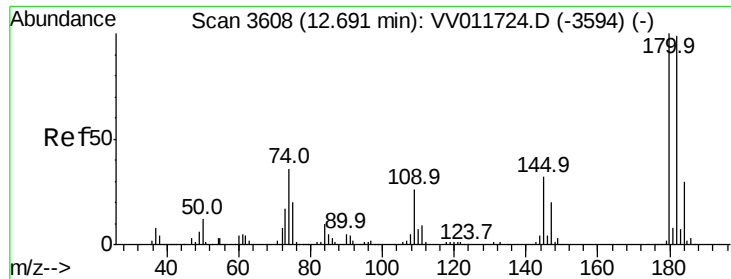
Tgt Ion: 91 Resp: 4793

Ion Ratio Lower Upper

91 100

92 56.7 40.3 74.9





#67

1,3,5-Trichlorobenzene

Concen: 0.052 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 825

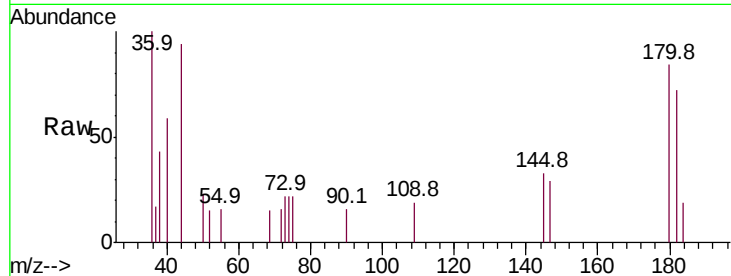
Ion Ratio Lower Upper

180 100

182 97.2 77.3 115.9

184 19.3 24.9 37.3#

145 29.0 25.2 37.8

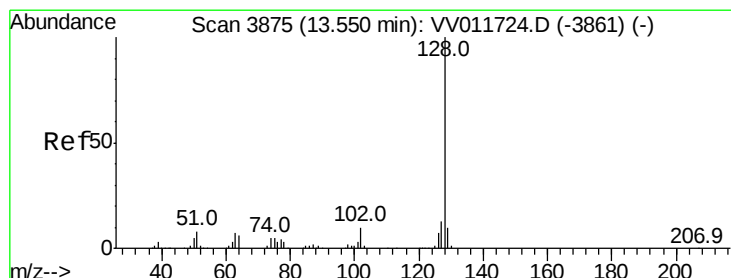
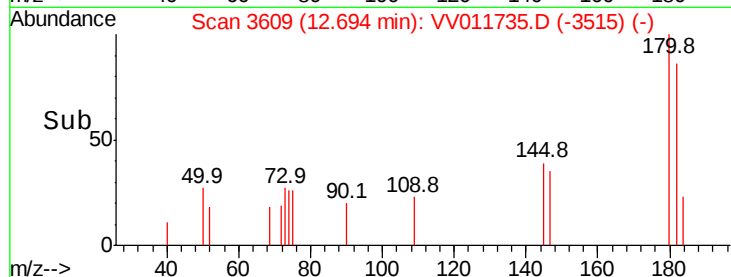
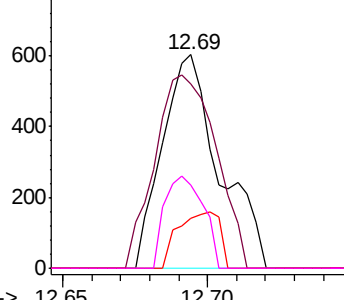


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 0.147 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

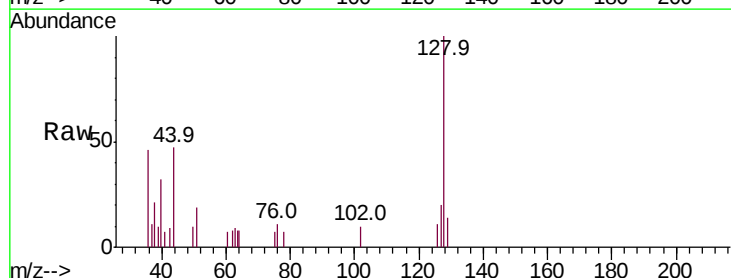
Tgt Ion:128 Resp: 2927

Ion Ratio Lower Upper

128 100

129 7.2 8.7 13.1#

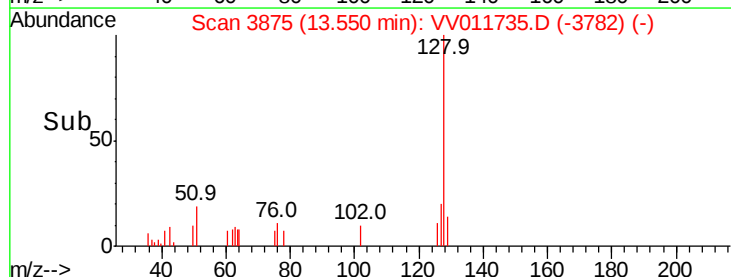
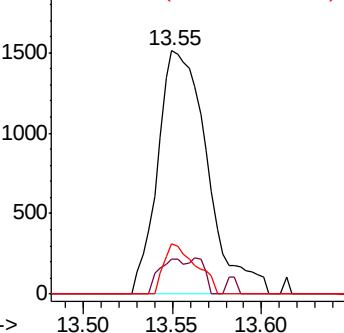
127 13.4 10.5 15.7

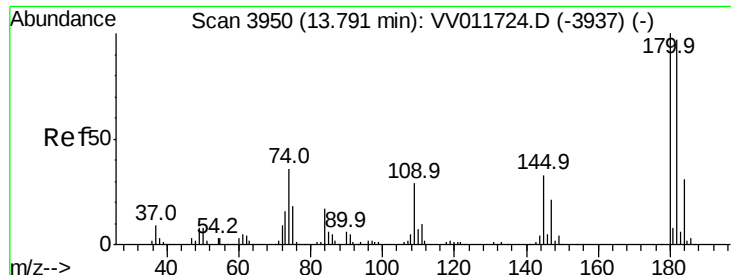


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 0.105 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV011735.D

Acq: 24 Jun 2019 17:35

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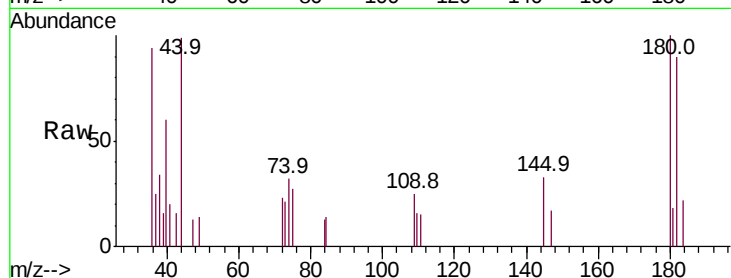
Tot Ion:180 Resp: 1184

Ion Ratio Lower Upper

180 100

182 95.4 75.0 112.4

145 30.8 26.2 39.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

