

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010238.D
 Acq On : 11 Apr 2019 12:44
 Operator : SY/MD
 Sample : K2278-07
 Misc : 5.42G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6X4

Quant Time: Apr 12 01:27:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 01:24:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	305364	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	293366	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	166429	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56492	16.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.28%
7) Chloroethane-d5	1.57	69	60173	19.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.68%
10) 1,1-Dichloroethene-d2	2.13	63	121816	13.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	54.44%
20) 2-Butanone-d5	3.93	46	36591	41.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.26%
24) Chloroform-d	4.40	84	144158	20.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.68%
26) 1,2-Dichloroethane-d4	5.08	65	83318	20.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.92%
29) Benzene-d6	5.10	84	296027	20.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.72%
33) 1,2-Dichloropropane-d6	6.12	67	88686	21.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.32%
37) Toluene-d8	7.36	98	299513	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.84%
38) trans-1,3-Dichloropropene-	7.66	79	34519	19.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.72%
39) 2-Hexanone-d5	8.13	63	28227	38.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.68%
48) 1,1,2,2-Tetrachloroethane-	10.39	84	2396	0.63	ug/L	0.13
Spiked Amount	25.000	Range	45 - 120	Recovery	=	2.52%#
61) 1,2-Dichlorobenzene-d4	11.67	152	158434	25.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.12%

Target Compounds

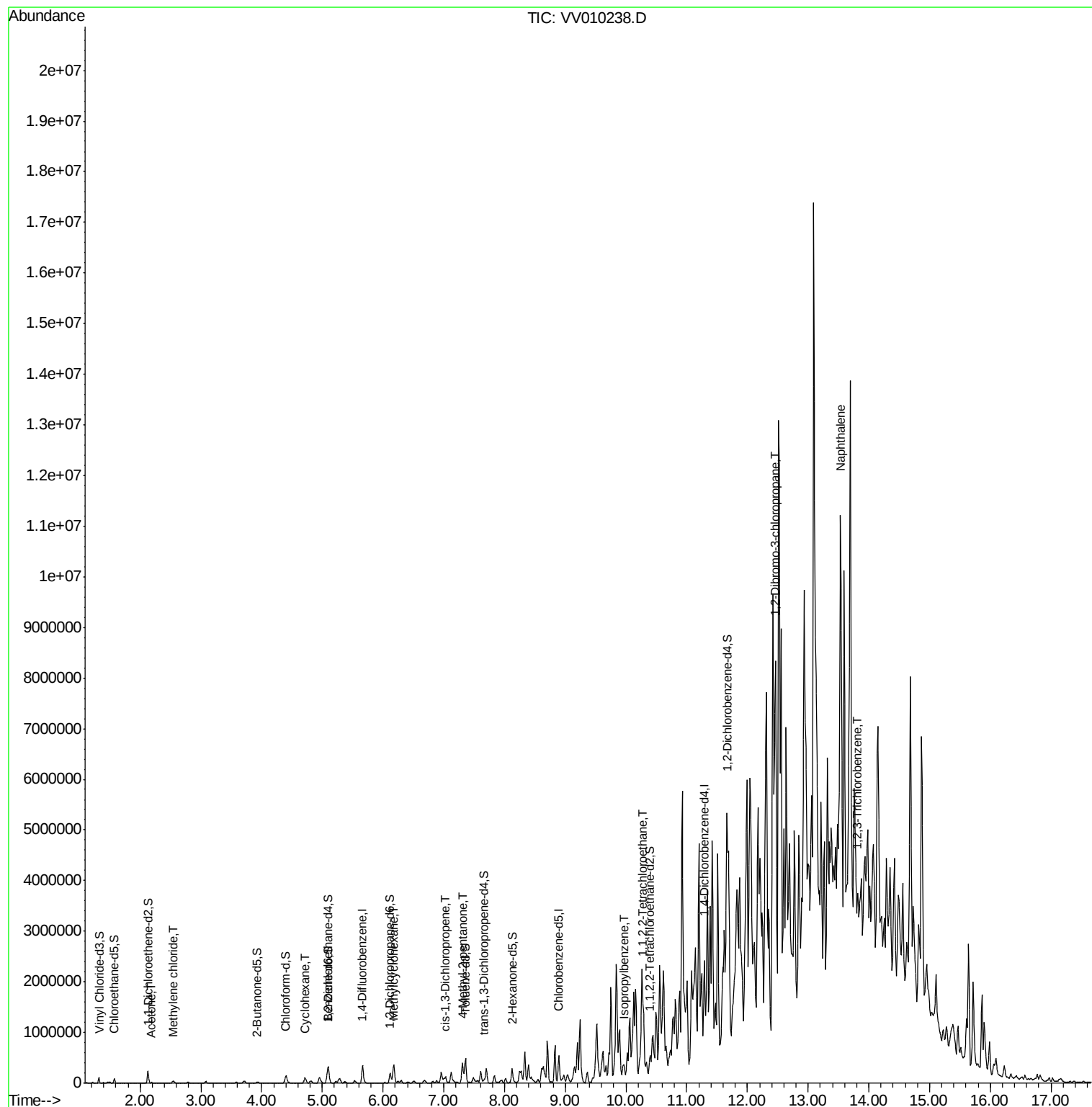
					Qvalue
13) Acetone	2.19	43	7322	7.704	ug/L 94
16) Methylene chloride	2.54	84	11077	1.852	ug/L 89
30) Cyclohexane	4.71	56	22495	4.095	ug/L # 47
36) Methylcyclohexane	6.18	83	151112	23.536	ug/L 97
42) cis-1,3-Dichloropropene	7.03	75	2987	0.542	ug/L 92
43) 4-Methyl-2-pentanone	7.31	43	15502	6.582	ug/L # 59
57) Isopropylbenzene	9.97	105	83712	4.548	ug/L 96
58) 1,1,2,2-Tetrachloroethane	10.29	83	111147	29.134	ug/L # 38
66) 1,2-Dibromo-3-chloropropan	12.47	75	12429	22.304	ug/L # 1
69) Naphthalene	13.54	128	239688	33.664	ug/L # 24
70) 1,2,3-Trichlorobenzene	13.83	180	28156	5.794	ug/L # 1

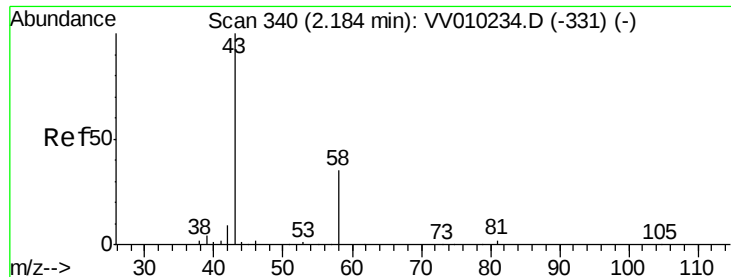
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.704 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010238.D

Acq: 11 Apr 2019 12:44

Instrument :

MSVOA_V

ClientSampleId :

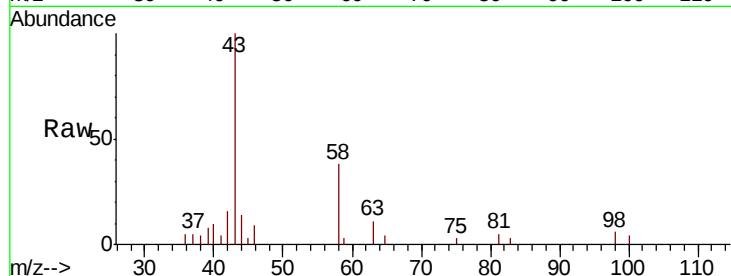
DB6X4

Tgt Ion: 43 Resp: 7322

Ion Ratio Lower Upper

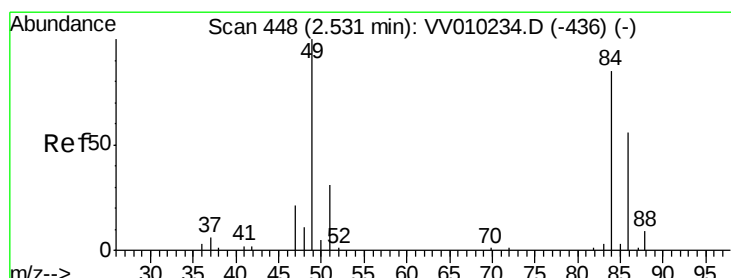
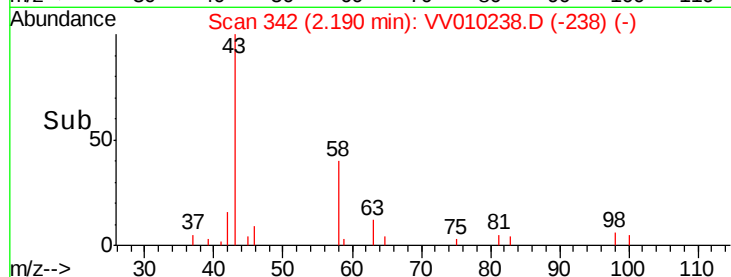
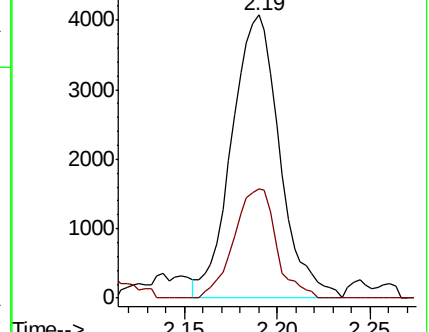
43 100

58 34.0 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010238.D (-342) (-)

Ion 58.00 (57.70 to 58.70): VV010238.D (-342) (-)



#16

Methylene chloride

Concen: 1.852 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010238.D

Acq: 11 Apr 2019 12:44

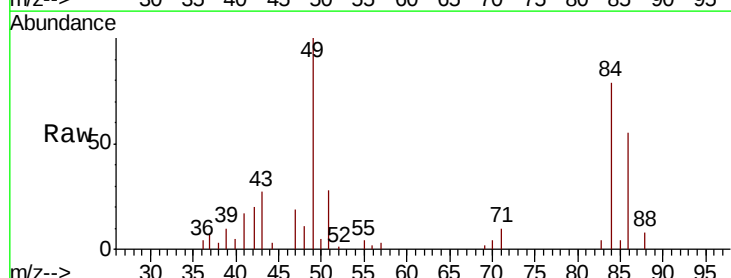
Tgt Ion: 84 Resp: 11077

Ion Ratio Lower Upper

84 100

49 127.3 79.9 148.5

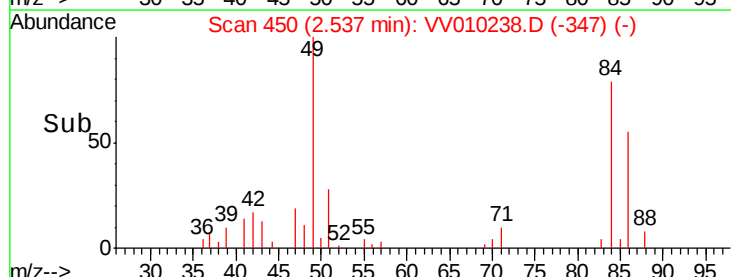
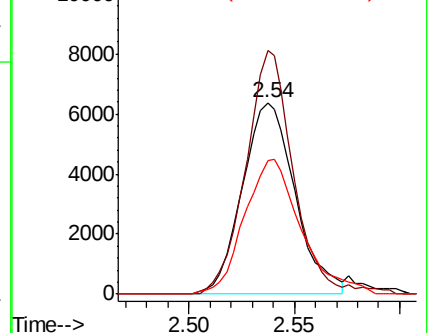
86 69.6 44.5 82.7

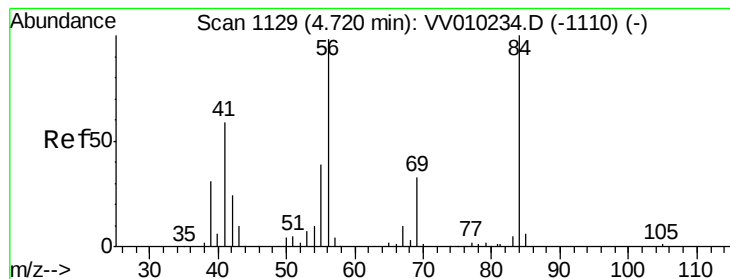


Abundance Ion 84.00 (83.70 to 84.70): VV010238.D (-448) (-)

Ion 49.00 (48.70 to 49.70): VV010238.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VV010238.D (-448) (-)





#30

Cyclohexane

Concen: 4.095 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VV010238.D

Acq: 11 Apr 2019 12:44

Instrument :

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DB6X4

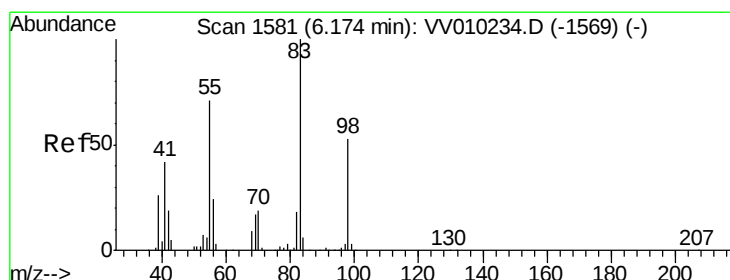
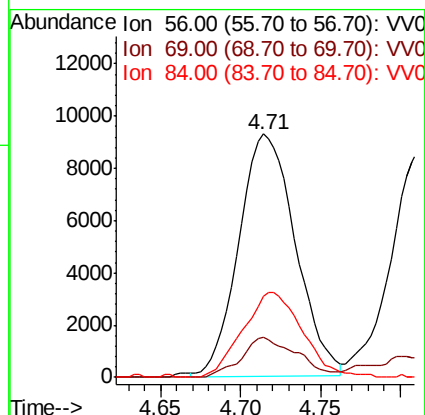
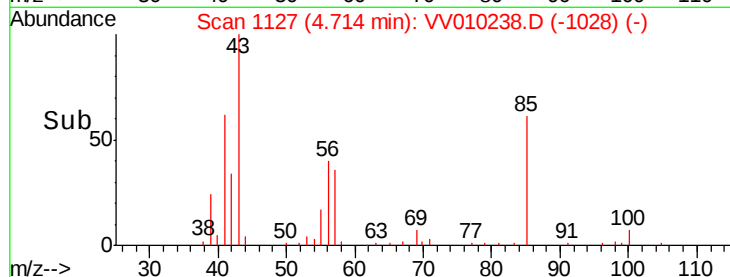
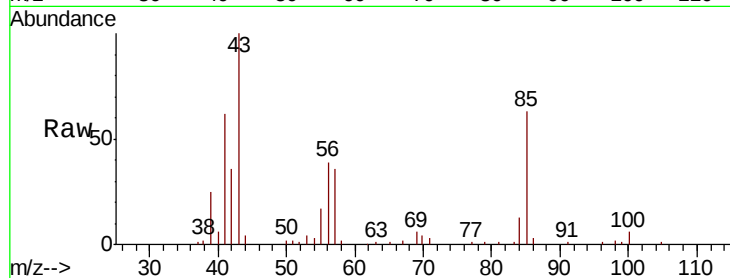
Tgt Ion: 56 Resp: 22495

Ion Ratio Lower Upper

56 100

69 16.2 25.7 38.5#

84 37.1 77.5 116.3#



#36

Methylcyclohexane

Concen: 23.536 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010238.D

Acq: 11 Apr 2019 12:44

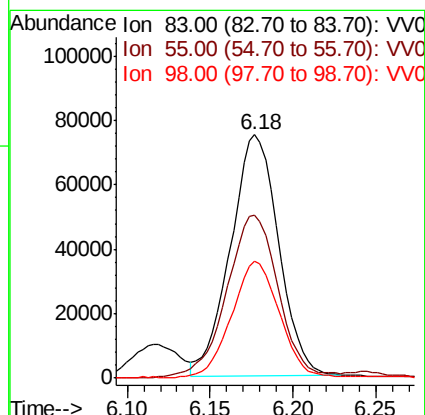
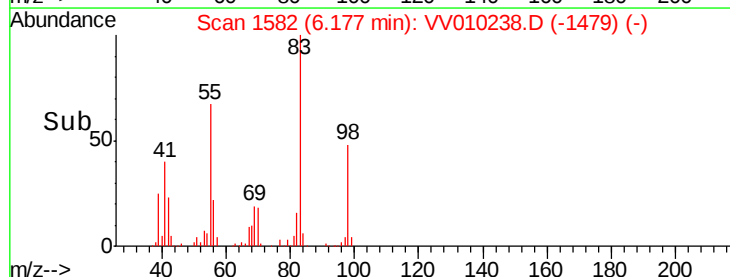
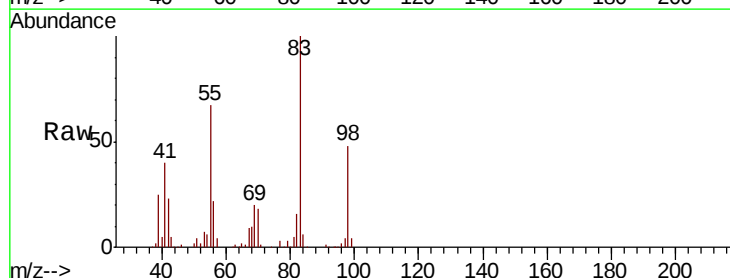
Tgt Ion: 83 Resp: 151112

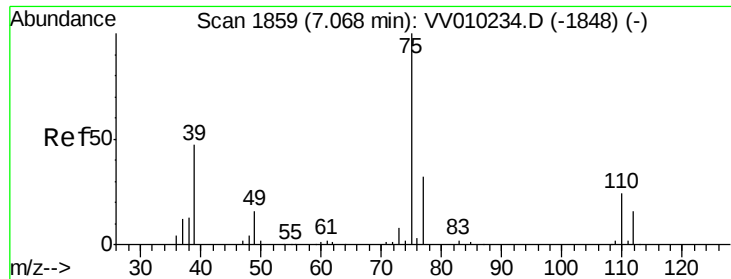
Ion Ratio Lower Upper

83 100

55 73.2 55.7 83.5

98 48.0 39.4 59.2



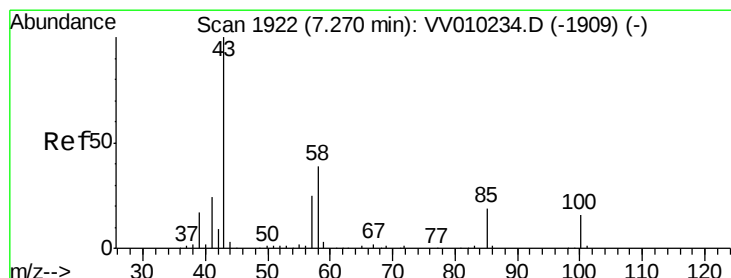
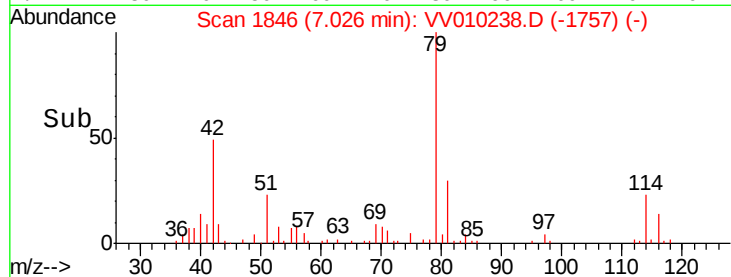
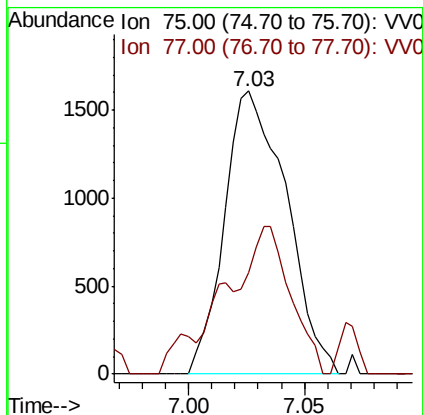
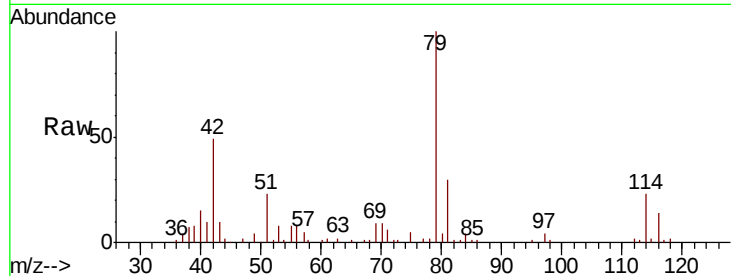


#42

cis-1,3-Dichloropropene
 Concen: 0.542 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV010238.D
 Acq: 11 Apr 2019 12:44

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6X4

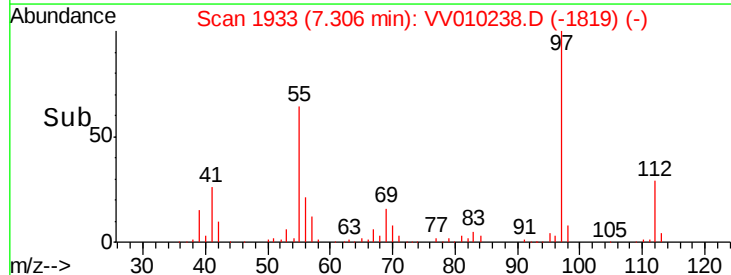
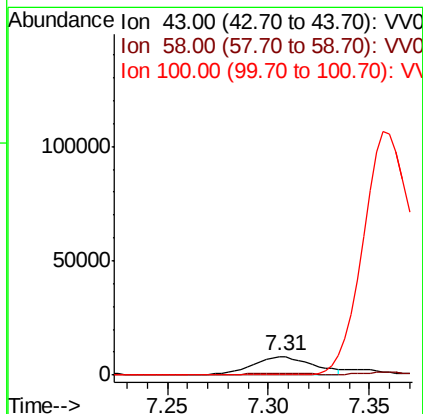
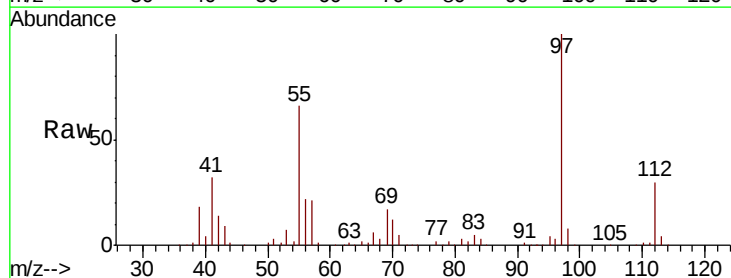
Tgt Ion: 75 Resp: 2987
 Ion Ratio Lower Upper
 75 100
 77 35.7 21.9 40.7

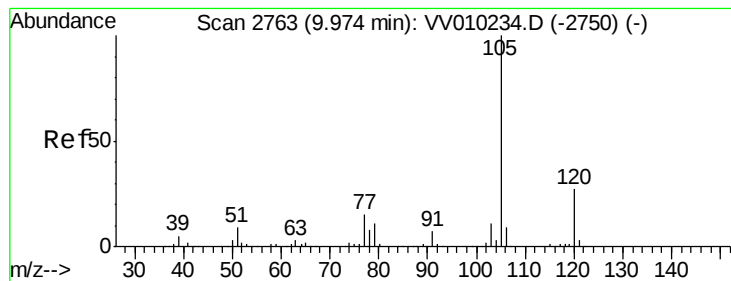


#43

4-Methyl-2-pentanone
 Concen: 6.582 ug/L
 RT: 7.31 min Scan# 1933
 Delta R.T. 0.04 min
 Lab File: VV010238.D
 Acq: 11 Apr 2019 12:44

Tgt Ion: 43 Resp: 15502
 Ion Ratio Lower Upper
 43 100
 58 12.7 30.4 45.6#
 100 0.0 13.5 20.3#





#57

Isopropylbenzene

Concen: 4.548 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010238.D

Acq: 11 Apr 2019 12:44

Instrument :

MSVOA_V

ClientSampleId :

DB6X4

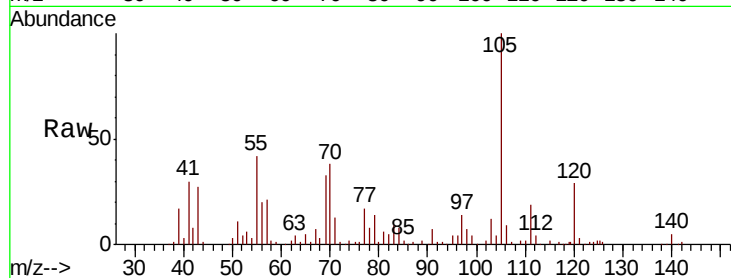
Tgt Ion: 105 Resp: 83712

Ion Ratio Lower Upper

105 100

120 29.5 22.2 33.2

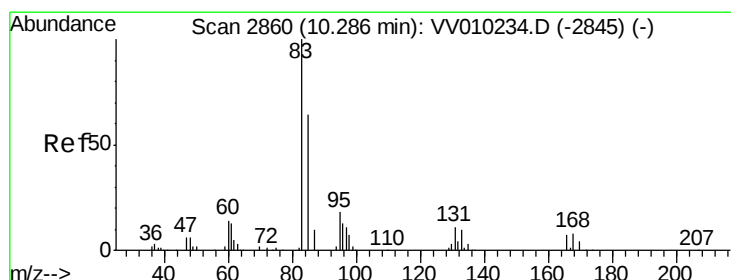
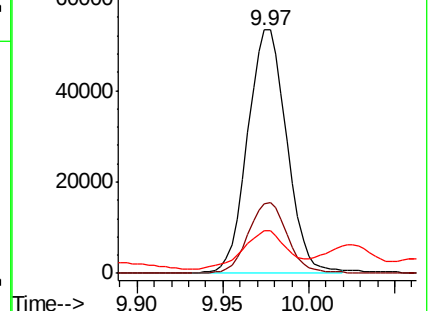
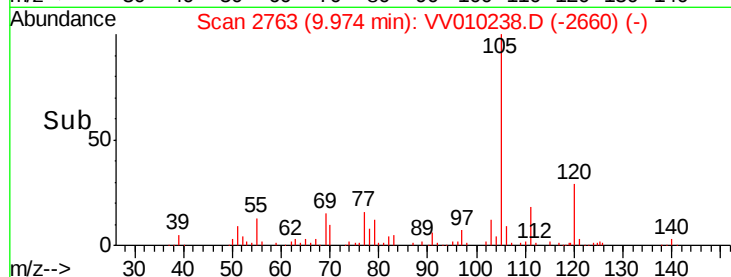
77 17.0 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.134 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010238.D

Acq: 11 Apr 2019 12:44

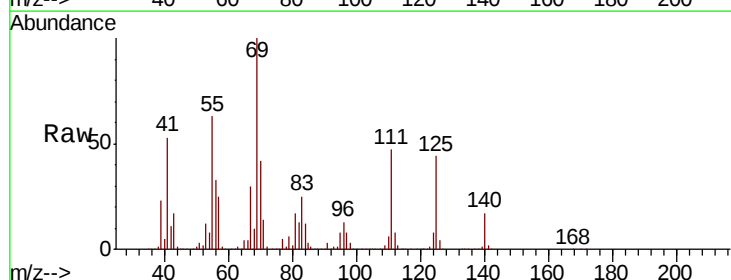
Tgt Ion: 83 Resp: 111147

Ion Ratio Lower Upper

83 100

85 11.4 44.9 83.5#

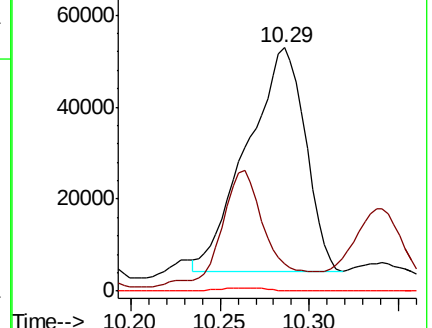
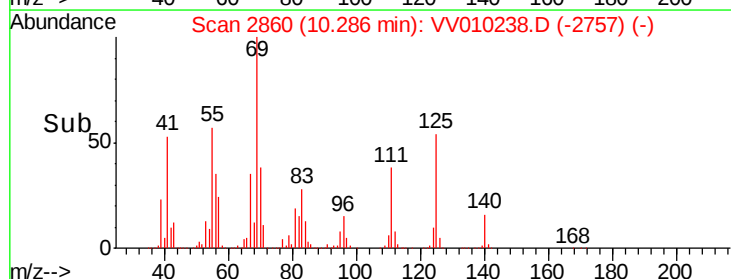
131 0.0 9.2 13.8#

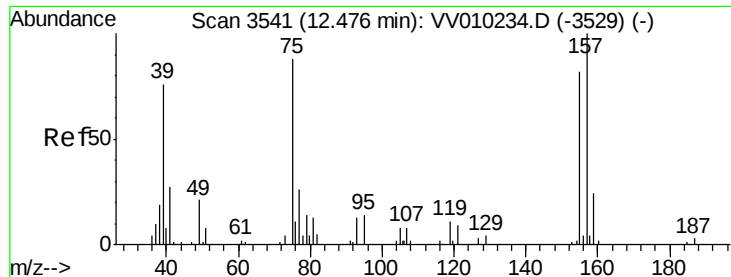


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

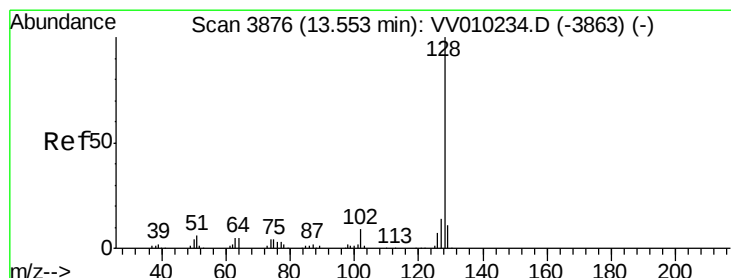
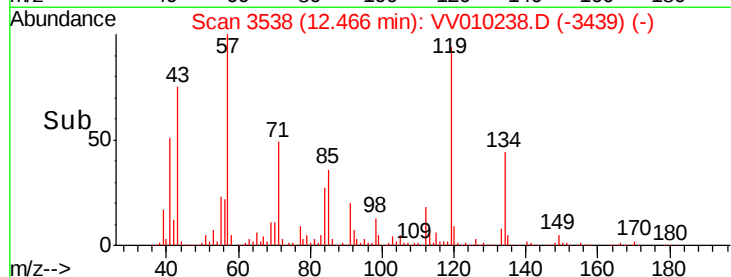
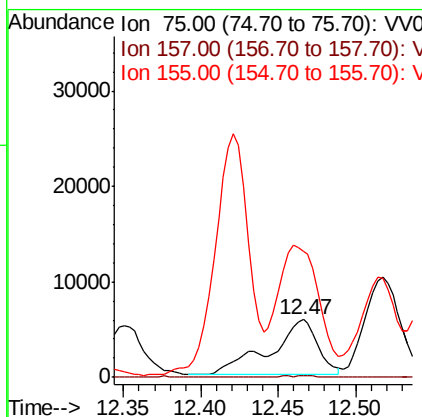
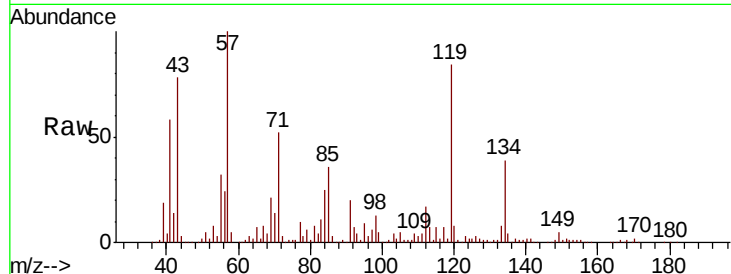




#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.304 ug/L
 RT: 12.47 min Scan# 3538
 Delta R.T. -0.01 min
 Lab File: VV010238.D
 Acq: 11 Apr 2019 12:44

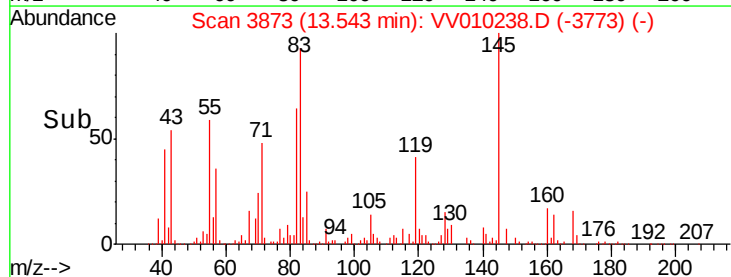
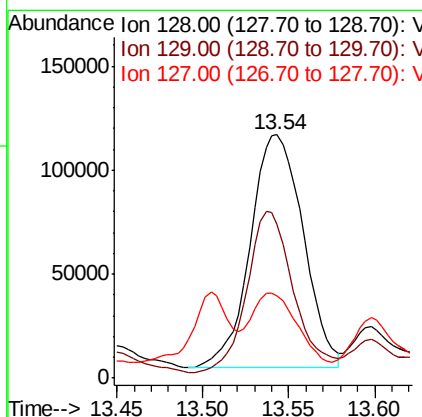
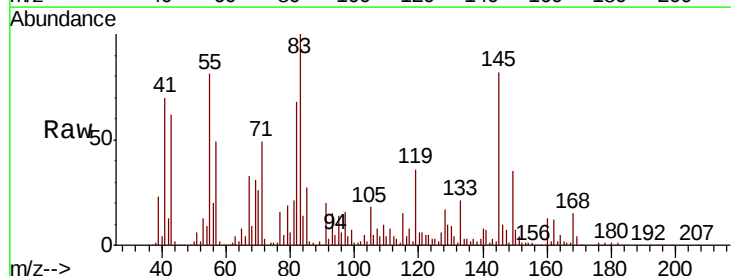
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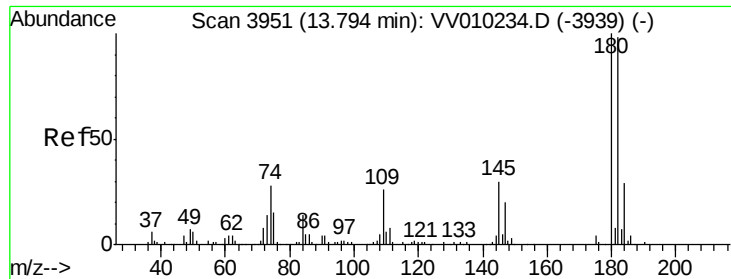
Tgt Ion: 75 Resp: 12429
 Ion Ratio Lower Upper
 75 100
 157 3.3 97.4 146.2#
 155 219.1 72.5 108.7#



#69
 Naphthalene
 Concen: 33.664 ug/L
 RT: 13.54 min Scan# 3873
 Delta R.T. -0.01 min
 Lab File: VV010238.D
 Acq: 11 Apr 2019 12:44

Tgt Ion: 128 Resp: 239688
 Ion Ratio Lower Upper
 128 100
 129 61.0 9.0 13.4#
 127 24.7 10.6 15.8#





#70
 1,2,3-Trichlorobenzene
 Concen: 5.794 ug/L
 RT: 13.83 min Scan# 3961
 Delta R.T. 0.03 min
 Lab File: VV010238.D
 Acq: 11 Apr 2019 12:44

Instrument :
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Tgt Ion:180 Resp: 28156
 Ion Ratio Lower Upper
 180 100
 182 17.8 76.2 114.4#
 145 1097.5 24.9 37.3#

