

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
 Data File : VV009200.D
 Acq On : 08 Jan 2019 18:22
 Operator : SY/MD
 Sample : K1051-06
 Misc : 6.34 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BE9X4

Quant Time: Jan 09 00:43:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	216849	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	199925	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100155	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61304	30.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.48%
7) Chloroethane-d5	1.58	69	48111	27.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.68%
10) 1,1-Dichloroethene-d2	2.13	63	120622	22.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.96%
20) 2-Butanone-d5	3.96	46	53263	61.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.80%
24) Chloroform-d	4.40	84	138145	27.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	5.08	65	81826	29.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	119.24%
29) Benzene-d6	5.10	84	292170	29.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.56%
33) 1,2-Dichloropropane-d6	6.12	67	82282	28.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.68%
37) Toluene-d8	7.36	98	268740	28.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.32%
38) trans-1,3-Dichloropropene-	7.67	79	39732	28.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.68%
39) 2-Hexanone-d5	8.14	63	33210	63.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.70%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	86018	30.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	123.20%#
61) 1,2-Dichlorobenzene-d4	11.68	152	105097	27.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.68%

Target Compounds

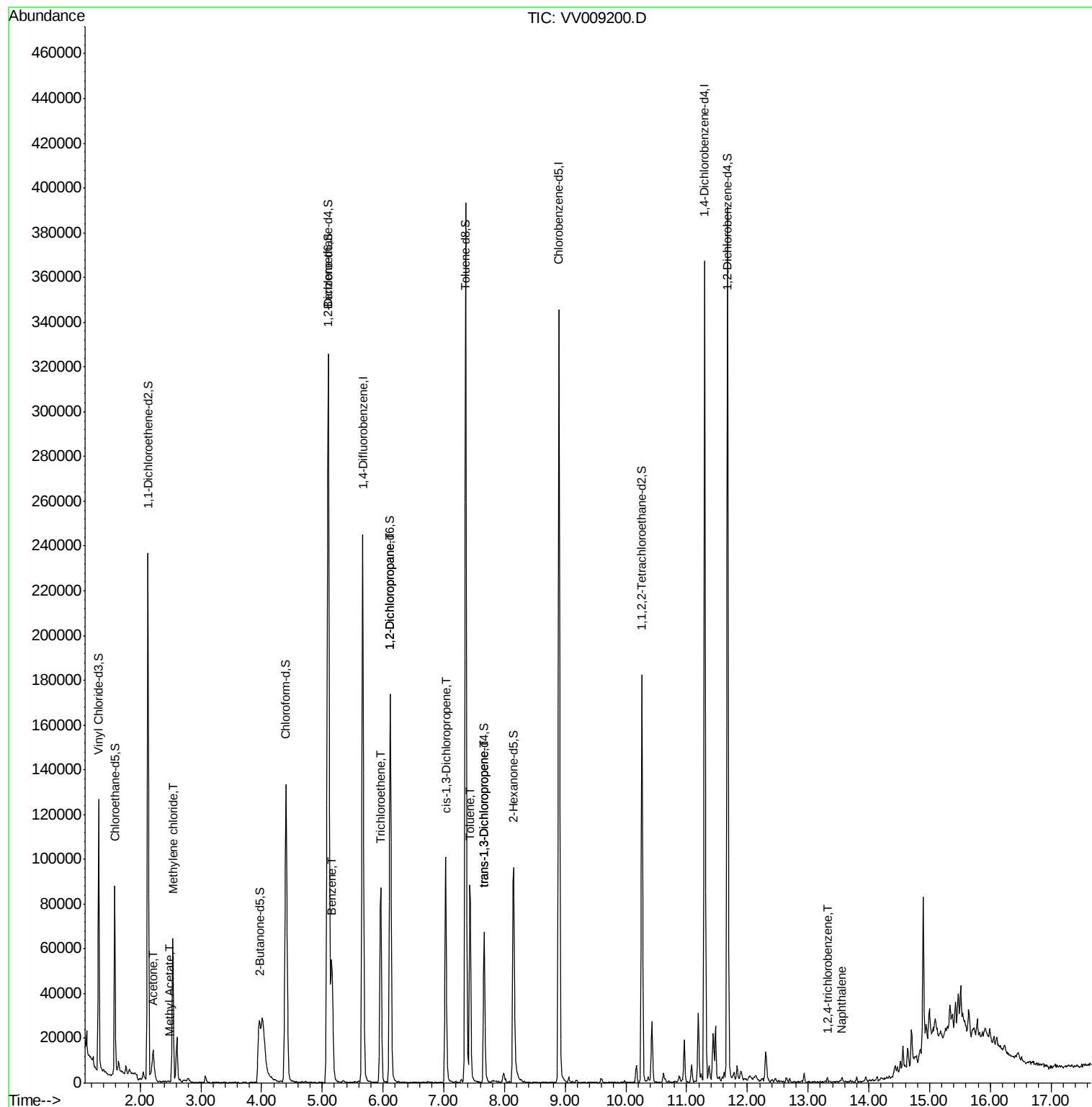
					Qvalue
13) Acetone	2.21	43	20805	16.203 ug/L	97
15) Methyl Acetate	2.47	43	909	0.585 ug/L #	53
16) Methylene chloride	2.54	84	26944	8.596 ug/L	90
34) Benzene	5.15	78	10431	0.991 ug/L	100
35) Trichloroethene	5.96	95	29829	9.928 ug/L	98
40) 1,2-Dichloropropane	6.12	63	9109	3.553 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	2661	0.661 ug/L #	79
44) Toluene	7.43	91	63963	5.659 ug/L	98
45) trans-1,3-Dichloropropene	7.67	75	1883	0.531 ug/L #	80
68) 1,2,4-trichlorobenzene	13.32	180	754	0.187 ug/L #	94
69) Naphthalene	13.56	128	2312	0.297 ug/L #	89

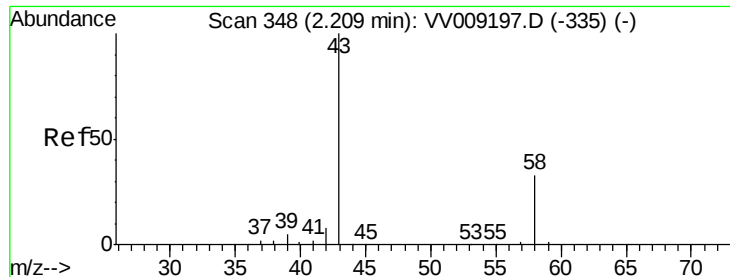
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jan 09 00:40:20 2019
Response via : Initial Calibration





#13

Acetone

Concen: 16.203 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV009200.D

Acq: 08 Jan 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

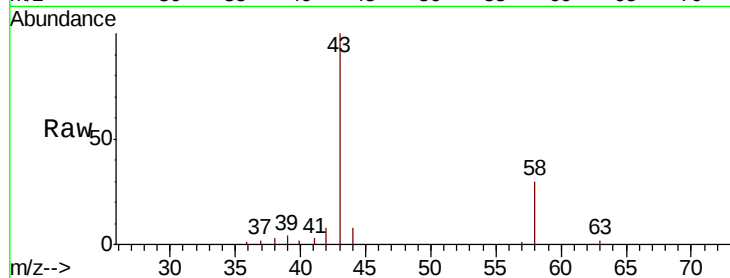
BE9X4

Tgt Ion: 43 Resp: 20805

Ion Ratio Lower Upper

43 100

58 30.7 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV009200.D (-245) (-)

Ion 58.00 (57.70 to 58.70): VV009200.D (-245) (-)

2.21

10000

8000

6000

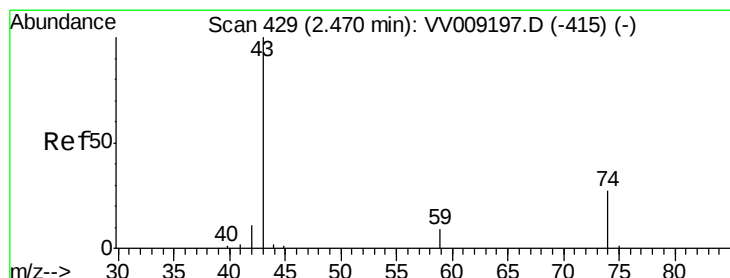
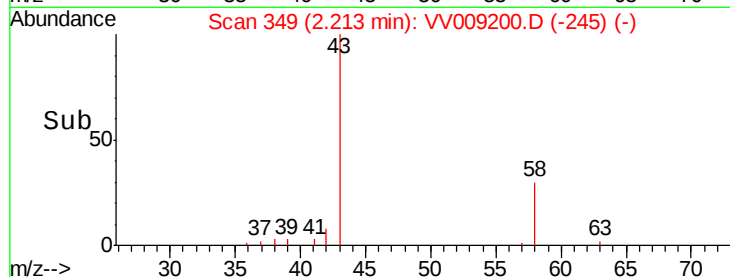
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 0.585 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV009200.D

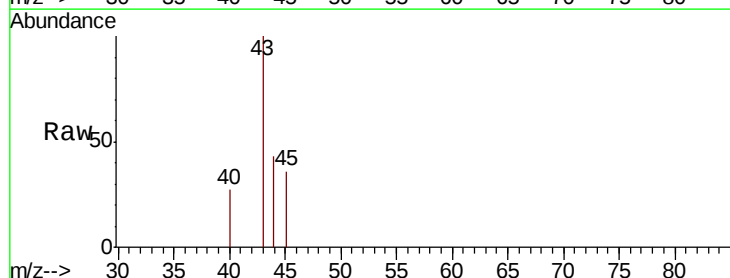
Acq: 08 Jan 2019 18:22

Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VV009200.D (-326) (-)

Ion 74.00 (73.70 to 74.70): VV009200.D (-326) (-)

2.47

500

400

300

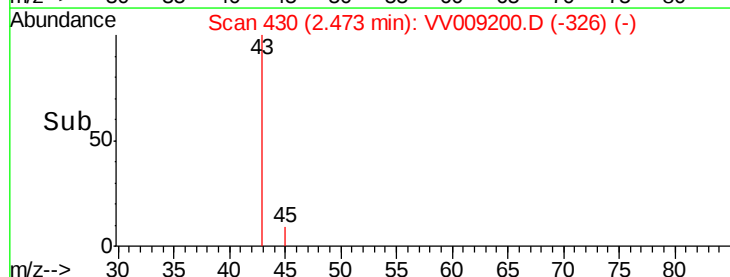
200

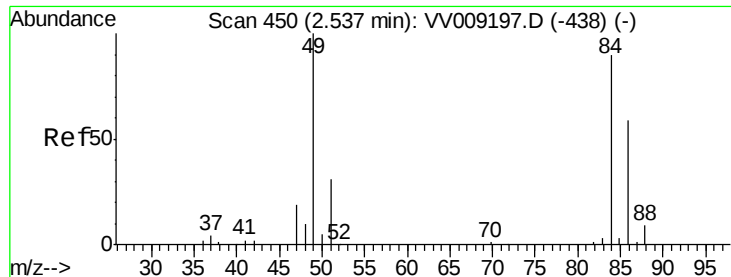
100

0

Time-->

2.44 2.46 2.48 2.50 2.52

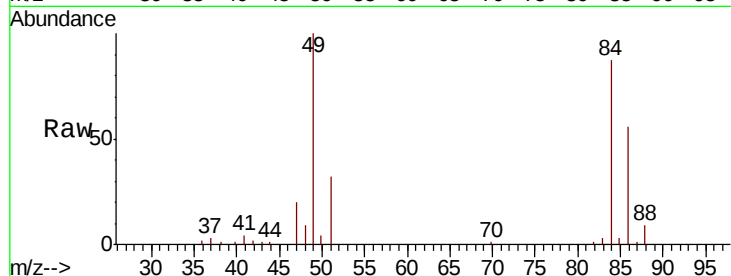




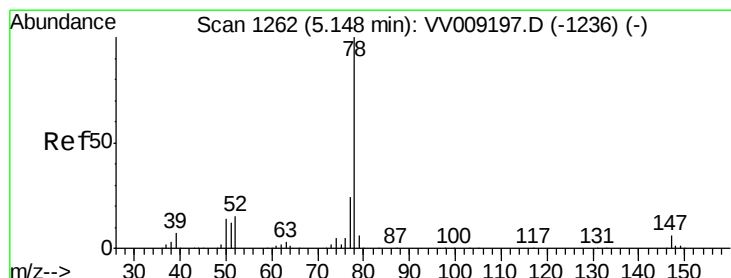
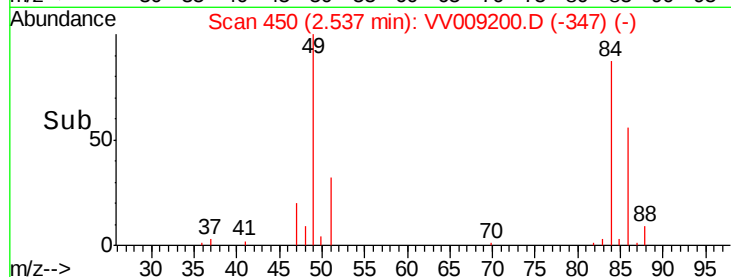
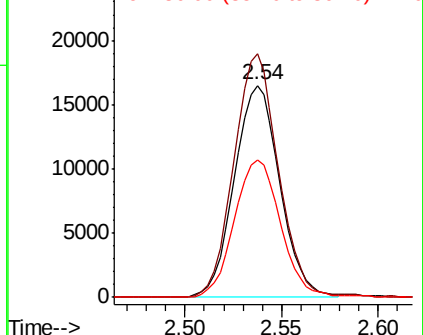
#16
Methylene chloride
Concen: 8.596 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009200.D
Acq: 08 Jan 2019 18:22

Instrument :
MSVOA_V
ClientSampleId :
BE9X4

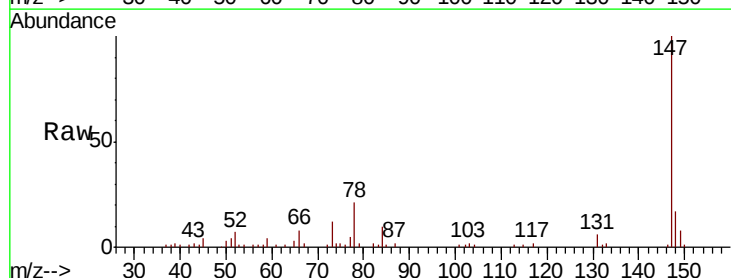
Tgt Ion: 84 Resp: 26944
Ion Ratio Lower Upper
84 100
49 114.9 92.0 170.9
86 64.9 44.9 83.3



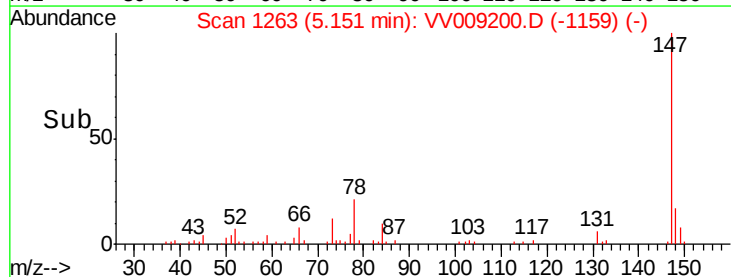
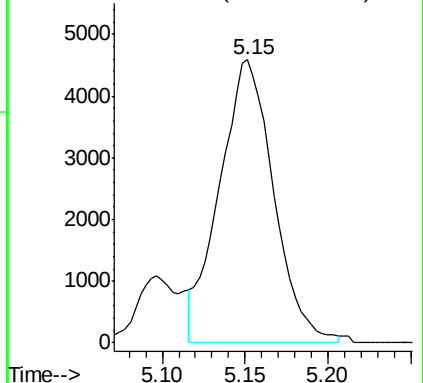
Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

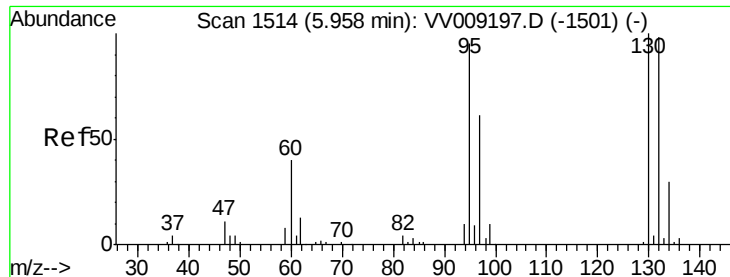


#34
Benzene
Concen: 0.991 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV009200.D
Acq: 08 Jan 2019 18:22
Tgt Ion: 78 Resp: 10431



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 9.928 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009200.D

Acq: 08 Jan 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

BE9X4

Tgt Ion: 95 Resp: 29829

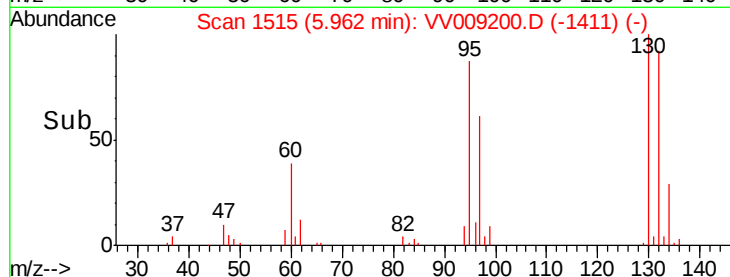
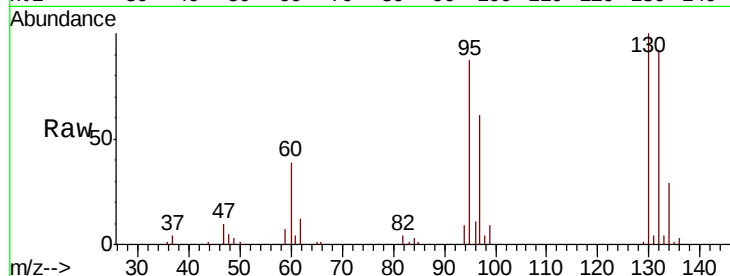
Ion Ratio Lower Upper

95 100

97 66.0 44.7 82.9

132 103.6 71.2 132.2

130 108.0 74.4 138.2

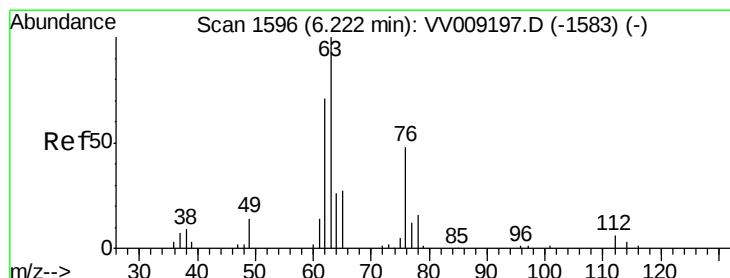
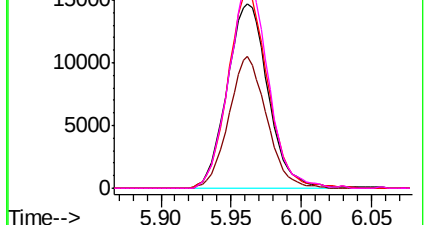


Abundance Ion 95.00 (94.70 to 95.70): VV009200.D (-1411) (-)

Ion 97.00 (96.70 to 97.70): VV009200.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV009200.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV009200.D (-1411) (-)



#40

1,2-Dichloropropane

Concen: 3.553 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009200.D

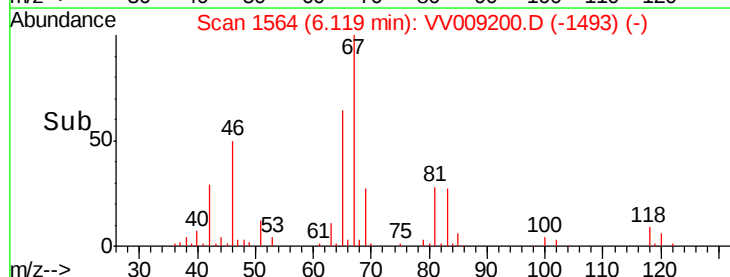
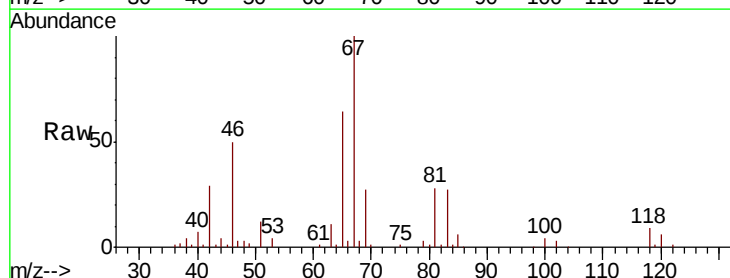
Acq: 08 Jan 2019 18:22

Tgt Ion: 63 Resp: 9109

Ion Ratio Lower Upper

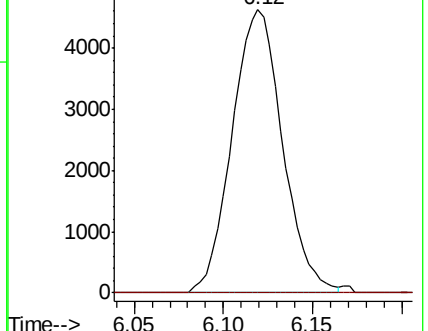
63 100

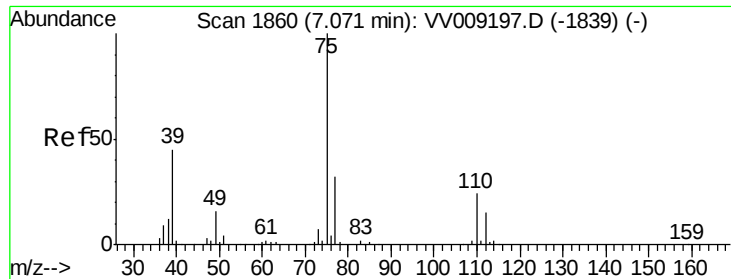
112 0.0 4.1 6.1#



Abundance Ion 63.00 (62.70 to 63.70): VV009200.D (-1493) (-)

Ion 112.00 (111.70 to 112.70): VV009200.D (-1493) (-)

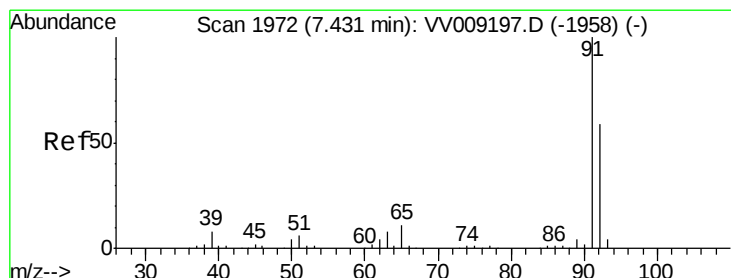
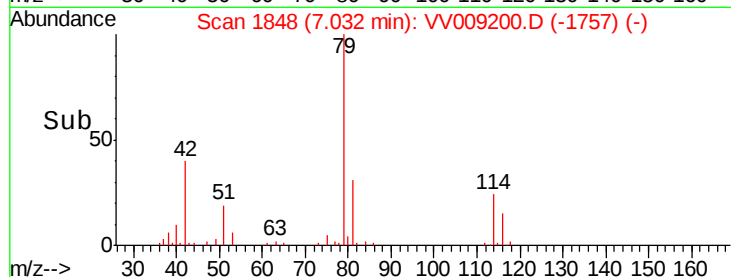
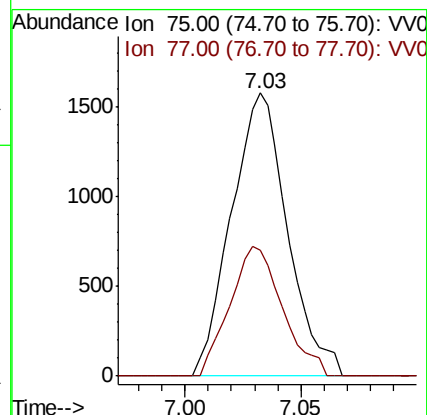
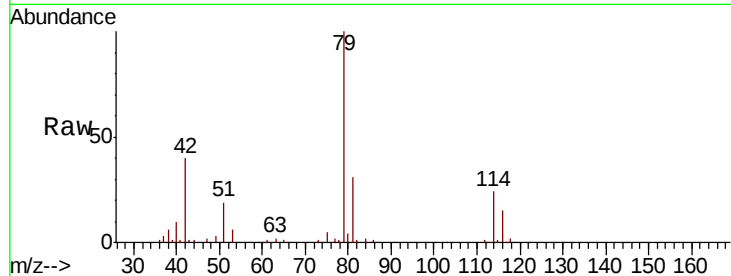




#42
 cis-1,3-Dichloropropene
 Concen: 0.661 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009200.D
 Acq: 08 Jan 2019 18:22

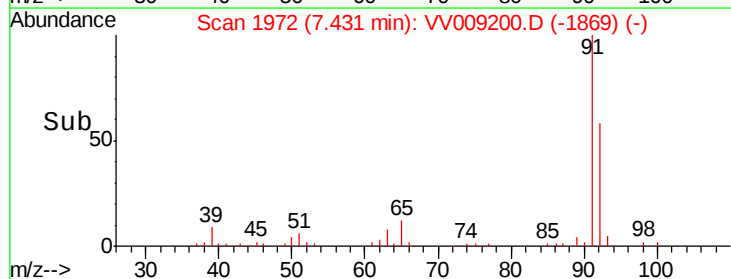
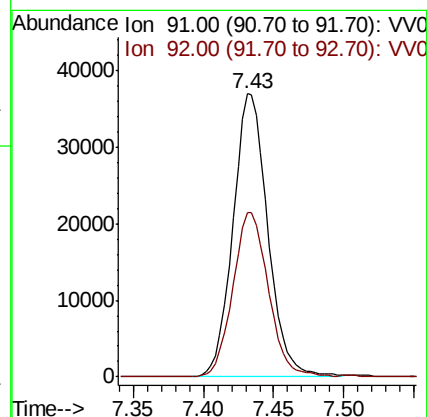
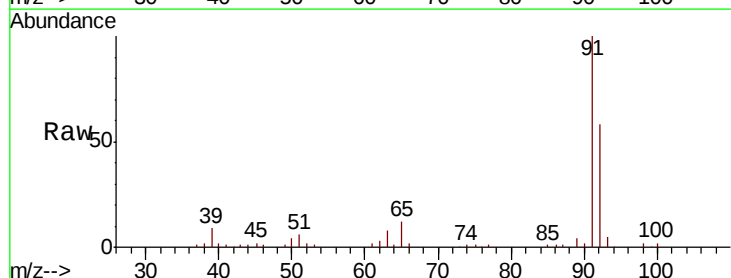
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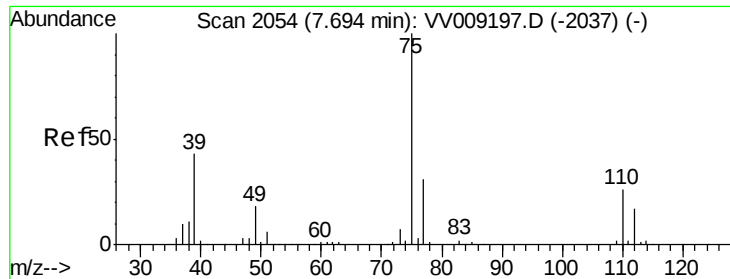
Tgt Ion: 75 Resp: 2661
 Ion Ratio Lower Upper
 75 100
 77 44.4 22.7 42.3#



#44
 Toluene
 Concen: 5.659 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV009200.D
 Acq: 08 Jan 2019 18:22

Tgt Ion: 91 Resp: 63963
 Ion Ratio Lower Upper
 91 100
 92 58.0 41.8 77.6





#45

trans-1,3-Dichloropropene

Concen: 0.531 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV009200.D

Acq: 08 Jan 2019 18:22

Instrument :

MSVOA_V

ClientSampleId :

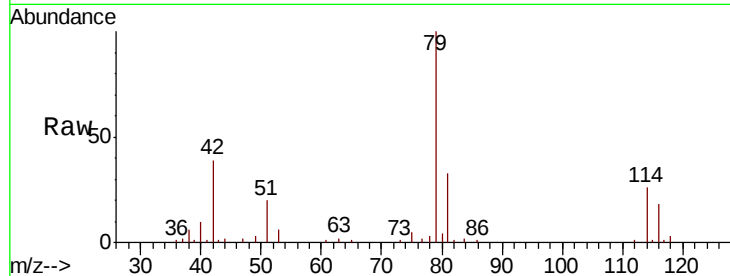
BE9X4

Tgt Ion: 75 Resp: 1883

Ion Ratio Lower Upper

75 100

77 41.5 21.5 39.9#



Abundance Ion 75.00 (74.70 to 75.70): VV009197.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009197.D (-2037) (-)

7.67

1000

800

600

400

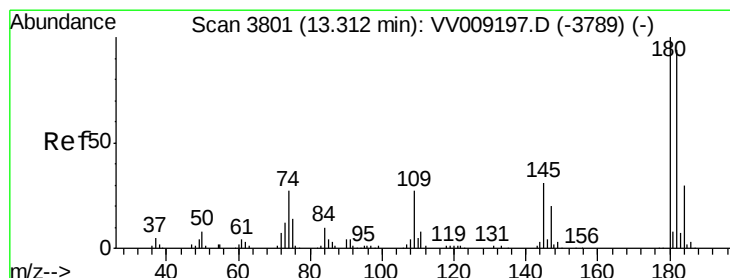
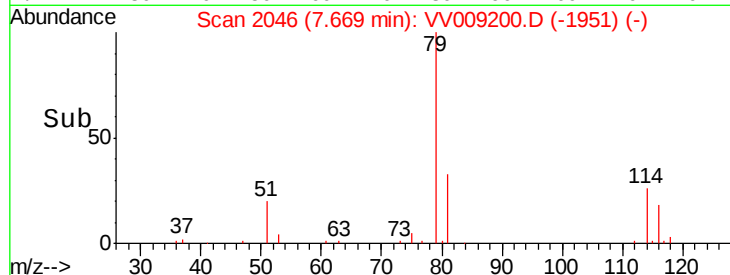
200

0

7.65

7.70

Time-->



#68

1,2,4-trichlorobenzene

Concen: 0.187 ug/L

RT: 13.32 min Scan# 3803

Delta R.T. 0.01 min

Lab File: VV009200.D

Acq: 08 Jan 2019 18:22

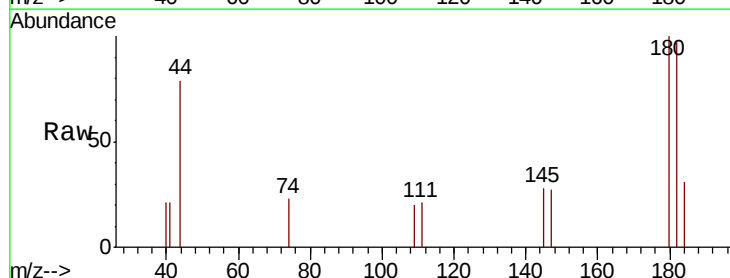
Tgt Ion: 180 Resp: 754

Ion Ratio Lower Upper

180 100

182 91.6 75.7 113.5

145 21.8 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): VV009197.D (-3789) (-)

Ion 182.00 (181.70 to 182.70): VV009197.D (-3789) (-)

Ion 145.00 (144.70 to 145.70): VV009197.D (-3789) (-)

13.32

600

400

200

0

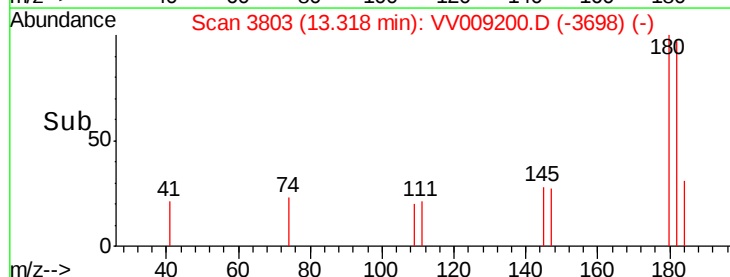
13.28

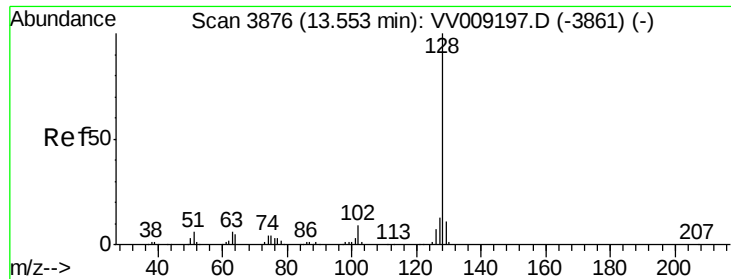
13.30

13.32

13.34

Time-->





#69

Naphthalene

Concen: 0.297 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.01 min

Lab File: VV009200.D

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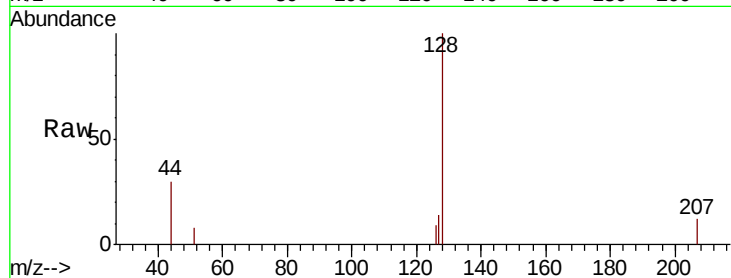
Tgt Ion:128 Resp: 2312

Ion Ratio Lower Upper

128 100

129 3.0 8.7 13.1#

127 12.4 10.6 15.8



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

