

Data File : VV010423.D
Acq On : 22 Apr 2019 20:18
Operator : SY/MD
Sample : K2456-10
Misc : 5.06G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHP8

Quant Time: Apr 23 07:00:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 06:57:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	44843	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	38815	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	9729	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12293	19.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.60%
7) Chloroethane-d5	1.58	69	10521	21.89	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
10) 1,1-Dichloroethene-d2	2.14	63	17170	14.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.52%
20) 2-Butanone-d5	3.96	46	2436	16.86	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	33.72%
24) Chloroform-d	4.41	84	24595	22.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	5.09	65	12303	18.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.20%
29) Benzene-d6	5.11	84	42814	23.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.56%
33) 1,2-Dichloropropane-d6	6.12	67	11924	22.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.24%
37) Toluene-d8	7.36	98	37907	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.16%
38) trans-1,3-Dichloropropene-	7.67	79	3632	13.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	55.80%
39) 2-Hexanone-d5	8.14	63	1657	15.78	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	31.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9275	18.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	9493	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

					Qvalue
6) Bromomethane	1.54	94	337	0.964 ug/L	88
13) Acetone	2.19	43	1193	7.705 ug/L	56
16) Methylene chloride	2.54	84	3151	4.792 ug/L	90
35) Trichloroethene	5.67	95	1567	3.012 ug/L #	4
44) Toluene	7.44	91	6490	3.130 ug/L	86
66) 1,2-Dibromo-3-chloropropan	12.51	75	1645	44.890 ug/L #	1
68) 1,2,4-trichlorobenzene	13.31	180	274	0.799 ug/L #	1
69) Naphthalene	13.55	128	97958	177.701 ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	265	0.835 ug/L #	80

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
GAHP8

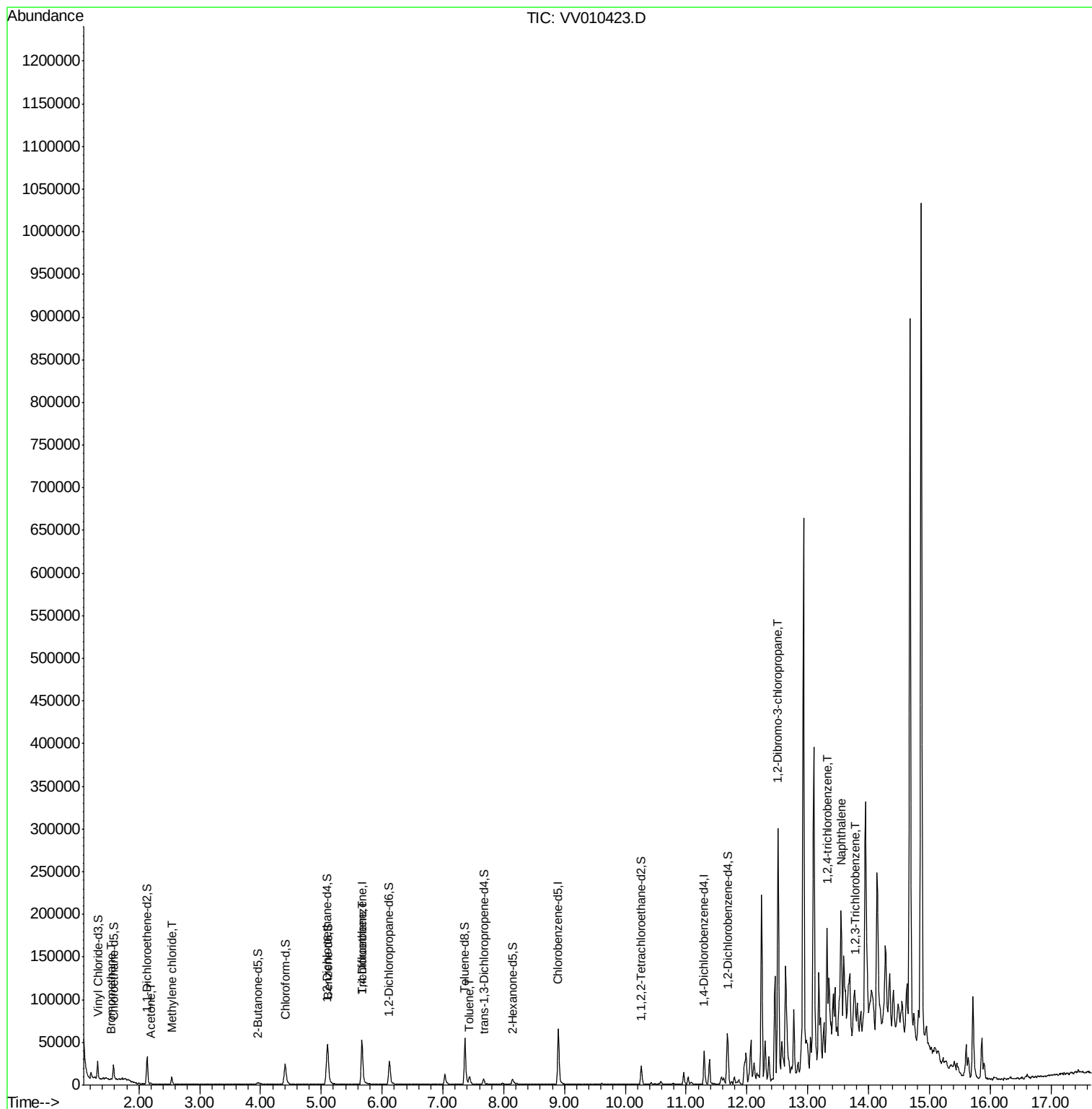
Quant Time: Apr 23 07:00:57 2019

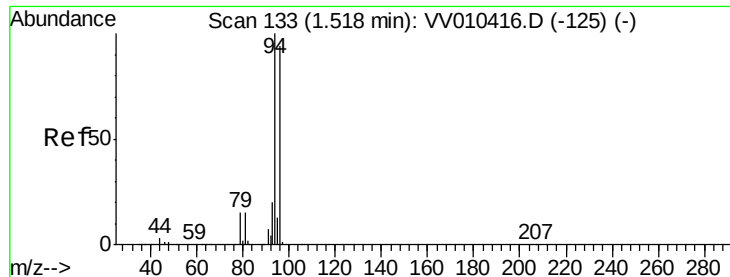
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM042219S.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 23 06:57:14 2019

Response via : Initial Calibration





#6

Bromomethane

Concen: 0.964 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.02 min

Lab File: VV010423.D

Acq: 22 Apr 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

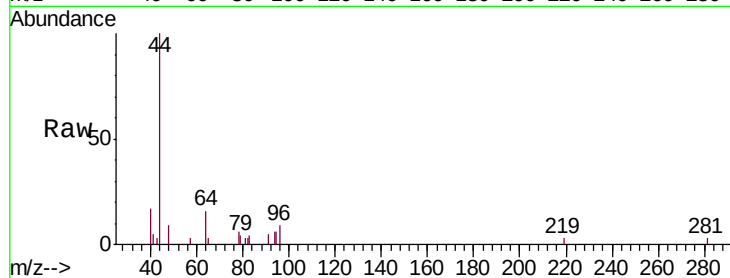
GAHP8

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

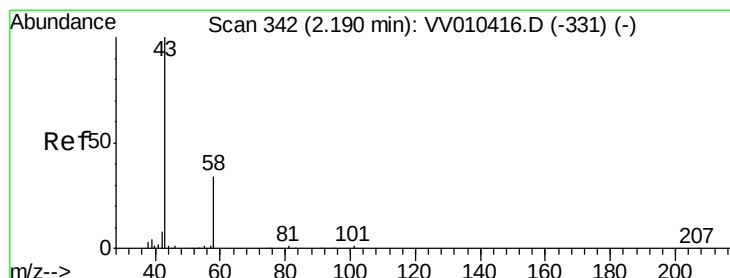
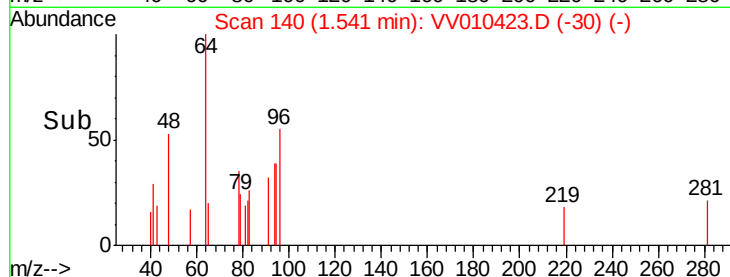
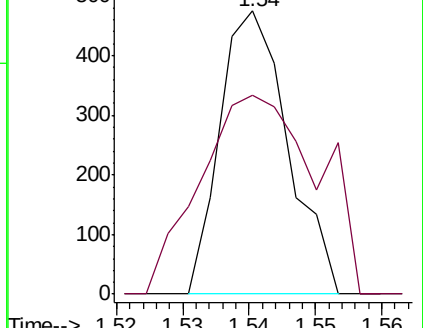
94 100

96 106.8 9.5 180.3



Abundance Ion 94.00 (93.70 to 94.70): VV010423.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV010423.D (-125) (-)



#13

Acetone

Concen: 7.705 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV010423.D

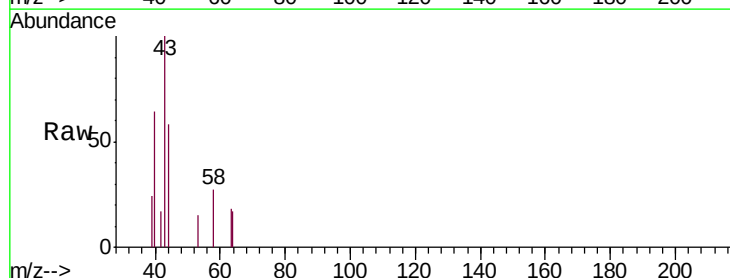
Acq: 22 Apr 2019 20:18

Tgt Ion: 43 Resp: 1193

Ion Ratio Lower Upper

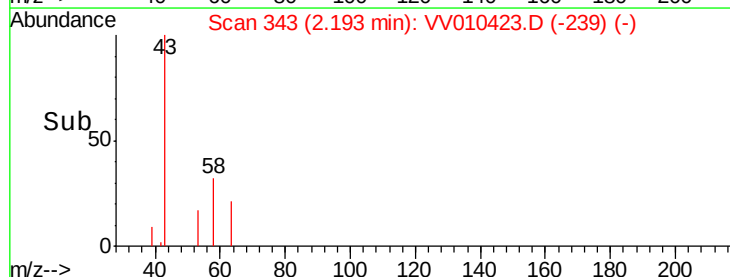
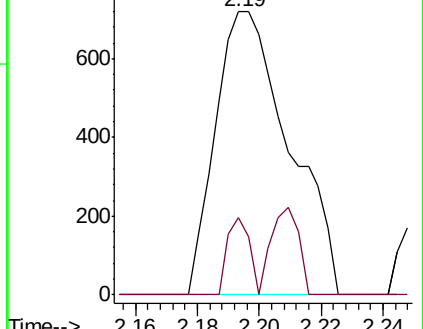
43 100

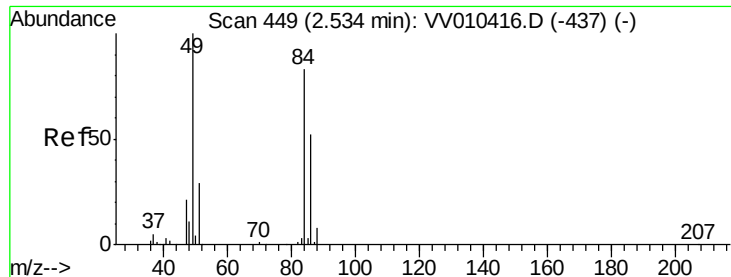
58 8.0 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV010423.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010423.D (-331) (-)

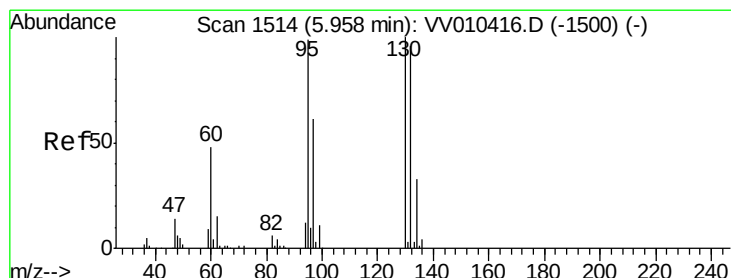
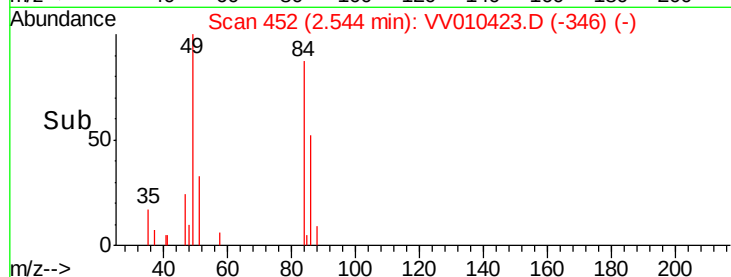
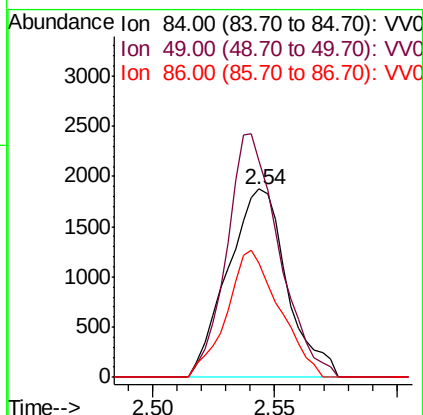
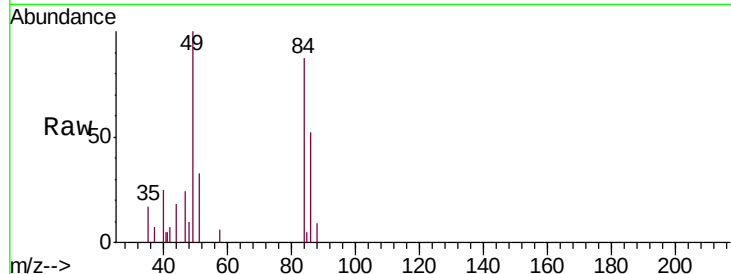




#16
Methylene chloride
Concen: 4.792 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.01 min
Lab File: VV010423.D
Acq: 22 Apr 2019 20:18

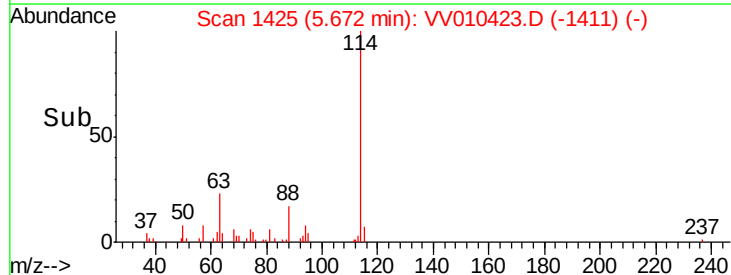
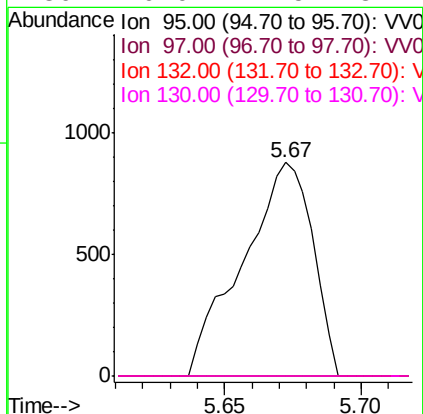
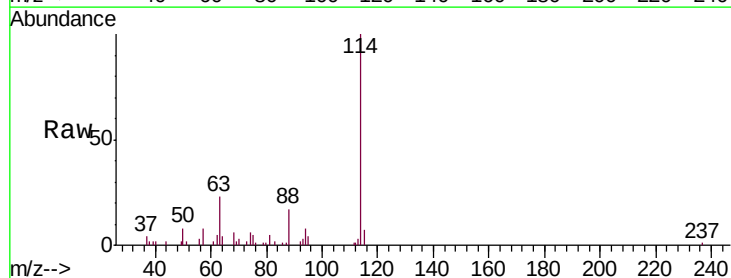
Instrument :
MSVOA_V
ClientSampled :
GAHP8

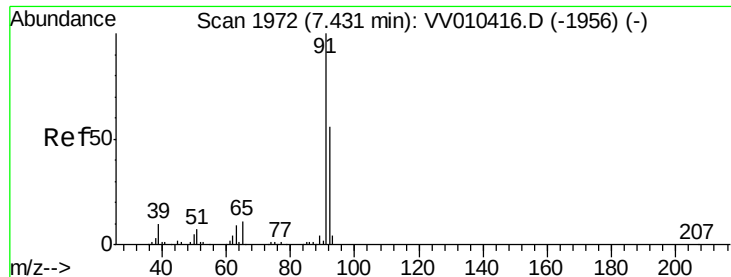
Tgt Ion: 84 Resp: 3151
Ion Ratio Lower Upper
84 100
49 109.2 85.0 158.0
86 57.3 43.9 81.5



#35
Trichloroethene
Concen: 3.012 ug/L
RT: 5.67 min Scan# 1425
Delta R.T. -0.29 min
Lab File: VV010423.D
Acq: 22 Apr 2019 20:18

Tgt Ion: 95 Resp: 1567
Ion Ratio Lower Upper
95 100
97 0.0 44.4 82.4#
132 0.0 69.0 128.1#
130 0.0 71.5 132.7#





#44

Toluene

Concen: 3.130 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV010423.D

Acq: 22 Apr 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

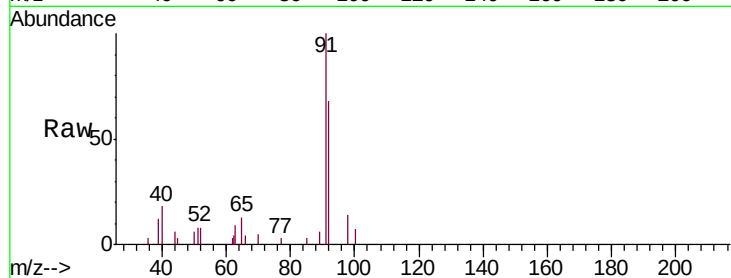
GAHP8

Tgt Ion: 91 Resp: 6490

Ion Ratio Lower Upper

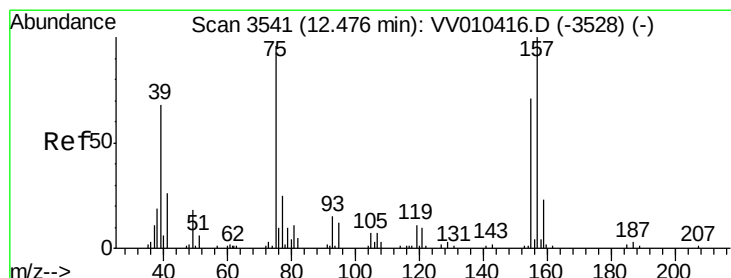
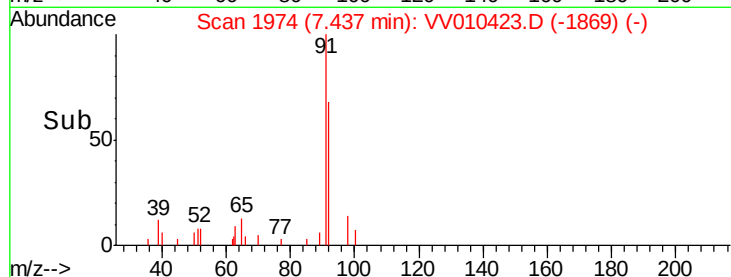
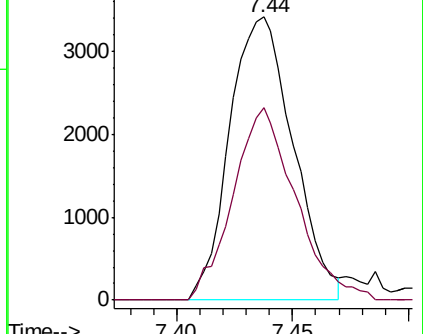
91 100

92 68.1 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VV010416.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV010416.D (-1956) (-)



#66

1,2-Dibromo-3-chloropropane

Concen: 44.890 ug/L

RT: 12.51 min Scan# 3553

Delta R.T. 0.04 min

Lab File: VV010423.D

Acq: 22 Apr 2019 20:18

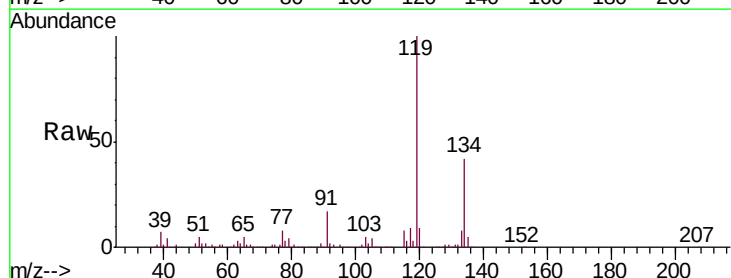
Tgt Ion: 75 Resp: 1645

Ion Ratio Lower Upper

75 100

157 0.0 88.2 132.2#

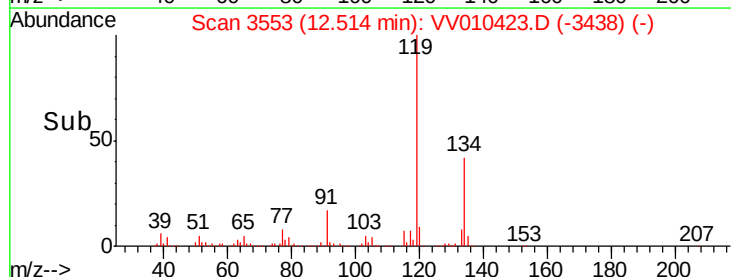
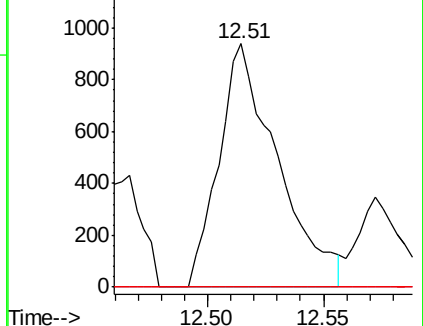
155 0.0 66.4 99.6#

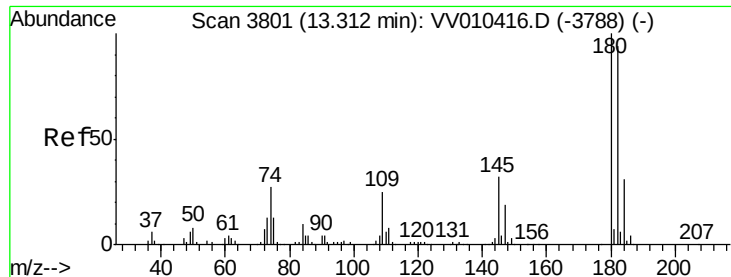


Abundance Ion 75.00 (74.70 to 75.70): VV010416.D (-3528) (-)

Ion 157.00 (156.70 to 157.70): VV010416.D (-3528) (-)

Ion 155.00 (154.70 to 155.70): VV010416.D (-3528) (-)





#68

1,2,4-trichlorobenzene

Concen: 0.799 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. -0.00 min

Lab File: VV010423.D

Acq: 22 Apr 2019 20:18

Instrument :

MSVOA_V

ClientSampleId :

GAHP8

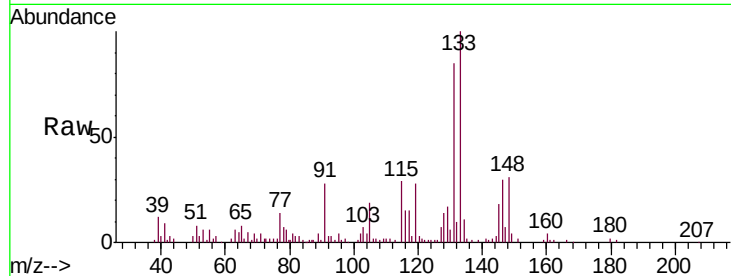
Tgt Ion:180 Resp: 274

Ion Ratio Lower Upper

180 100

182 88.0 76.3 114.5

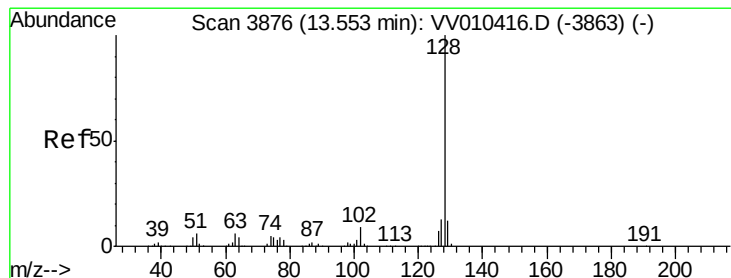
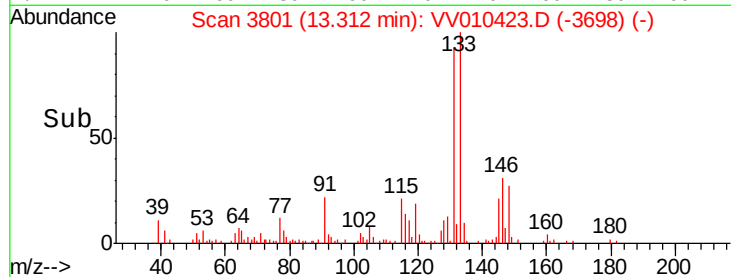
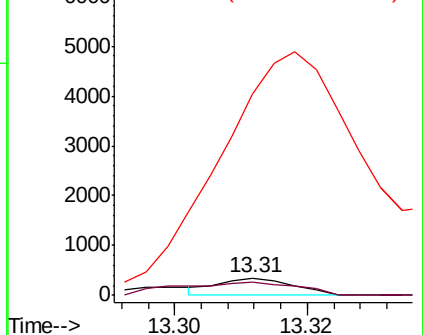
145 2459.5 25.1 37.7#



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



#69

Naphthalene

Concen: 177.701 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010423.D

Acq: 22 Apr 2019 20:18

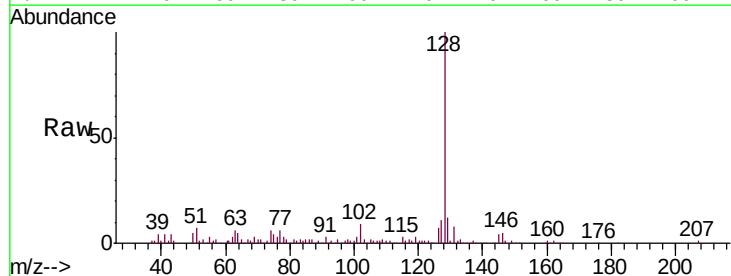
Tgt Ion:128 Resp: 97958

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

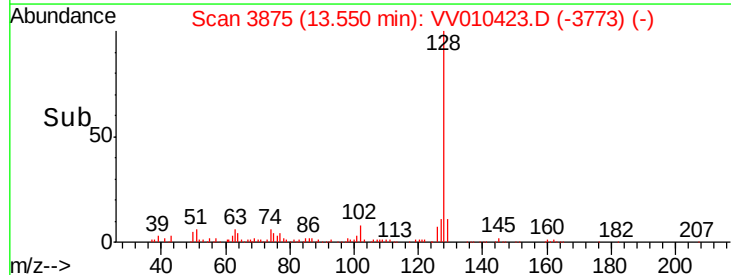
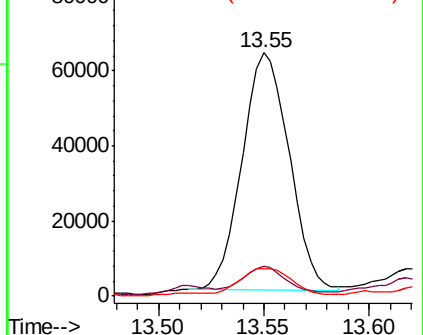
127 11.8 10.2 15.2

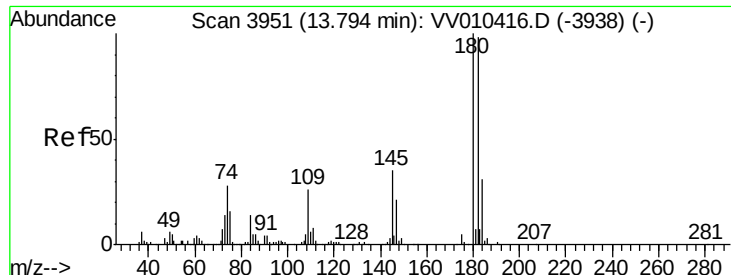


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.835 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VV010423.D
 Acq: 22 Apr 2019 20:18

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHP8

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.6	76.6	114.8
145	0.0	25.8	38.8

