

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
 Data File : VV010338.D
 Acq On : 16 Apr 2019 17:43
 Operator : SY/MD
 Sample : K2402-11
 Misc : 5.02G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHJ1

Quant Time: Apr 16 23:11:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 16 23:09:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	22083	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	20131	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	9622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4506	17.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.92%
7) Chloroethane-d5	1.59	69	5137	23.51	ug/L	0.03
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
10) 1,1-Dichloroethene-d2	2.14	63	7717	11.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.72%
20) 2-Butanone-d5	3.95	46	2757	42.86	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.72%
24) Chloroform-d	4.41	84	13344	26.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.84%
26) 1,2-Dichloroethane-d4	5.09	65	7590	26.43	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.72%
29) Benzene-d6	5.10	84	21865	22.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.12%
33) 1,2-Dichloropropane-d6	6.12	67	7461	25.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.36%
37) Toluene-d8	7.36	98	16386	17.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	69.24%
38) trans-1,3-Dichloropropene-	7.67	79	2469	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.04%
39) 2-Hexanone-d5	8.14	63	1159	23.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	46.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	7516	29.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.00%
61) 1,2-Dichlorobenzene-d4	11.68	152	9121	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

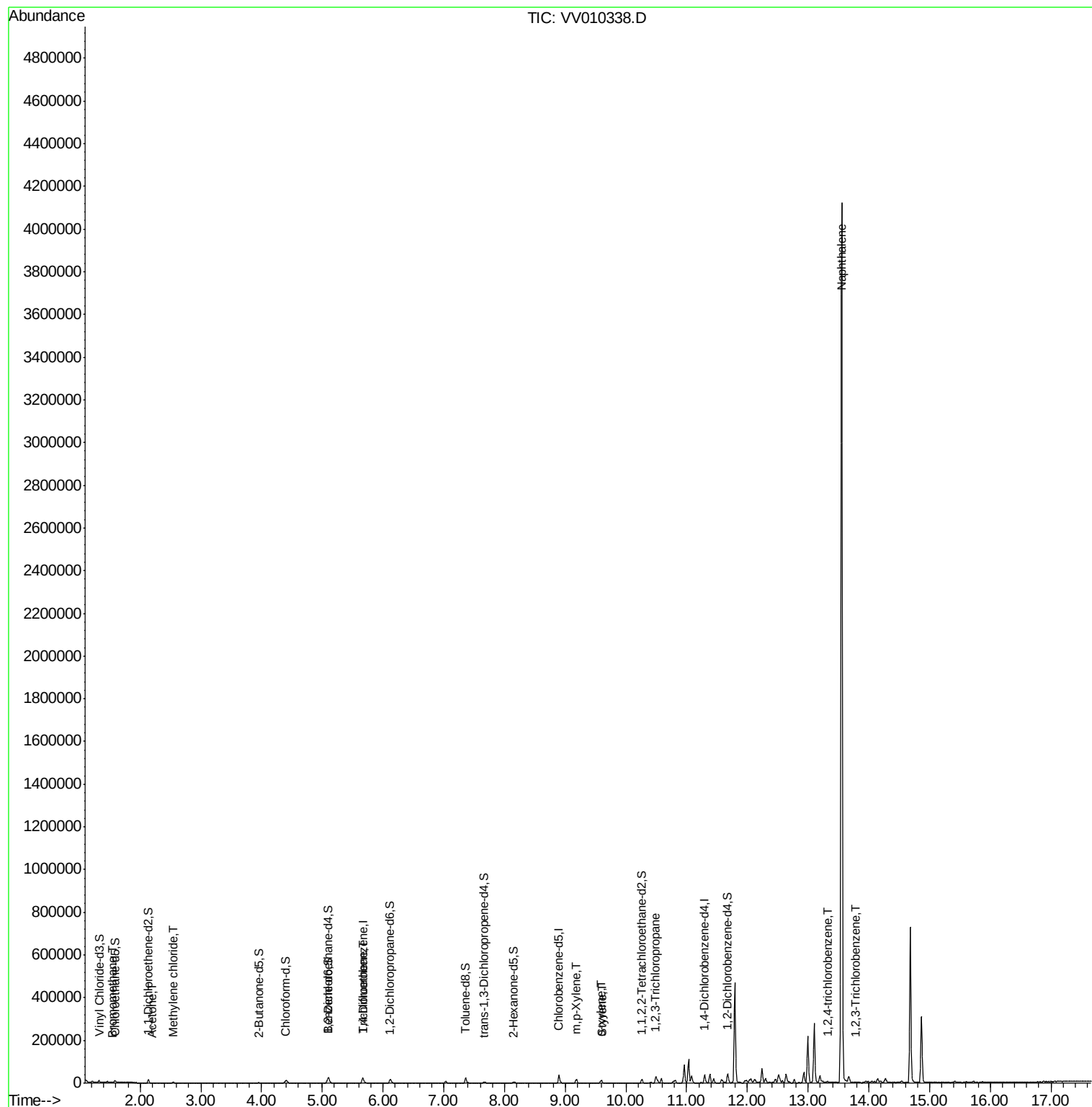
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Bromomethane	1.54	94	339	1.339	ug/L	24
13) Acetone	2.19	43	666	9.690	ug/L #	44
16) Methylene chloride	2.54	84	2301	5.321	ug/L	79
35) Trichloroethene	5.67	95	598	2.028	ug/L #	7
54) m,p-Xylene	9.18	106	5280	10.580	ug/L	96
55) o-xylene	9.59	106	3667	7.379	ug/L	91
56) Styrene	9.61	104	1766	2.232	ug/L #	73
59) 1,2,3-Trichloropropane	10.49	75	162	0.841	ug/L #	1
68) 1,2,4-trichlorobenzene	13.31	180	214	0.706	ug/L #	38
69) Naphthalene	13.55	128	3084642	7493.465	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	313	1.114	ug/L #	19

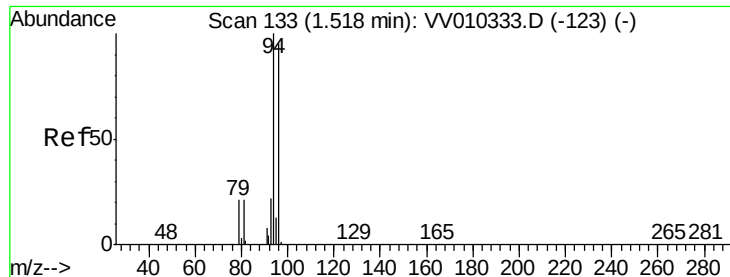
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 16 23:09:02 2019
Response via : Initial Calibration





#6

Bromomethane

Concen: 1.339 ug/L

RT: 1.54 min Scan# 141

Delta R.T. 0.03 min

Lab File: VV010338.D

Acq: 16 Apr 2019 17:43

Instrument :

MSVOA_V

ClientSampled :

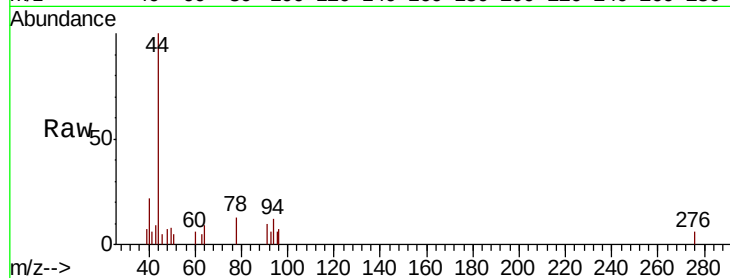
GAHJ1

Tgt Ion: 94 Resp: 339

Ion Ratio Lower Upper

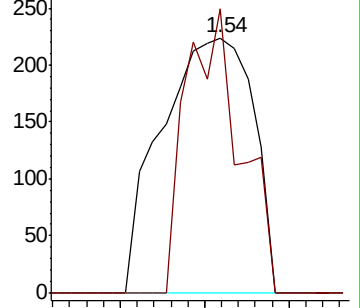
94 100

96 20.6 9.4 179.0

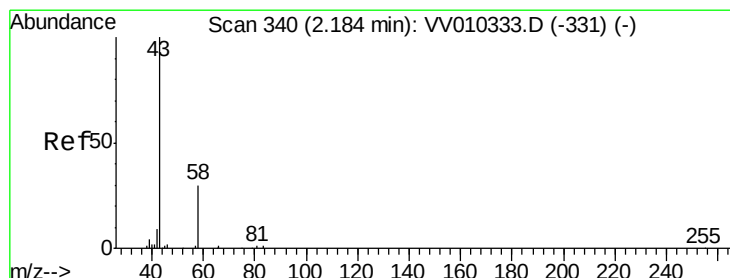
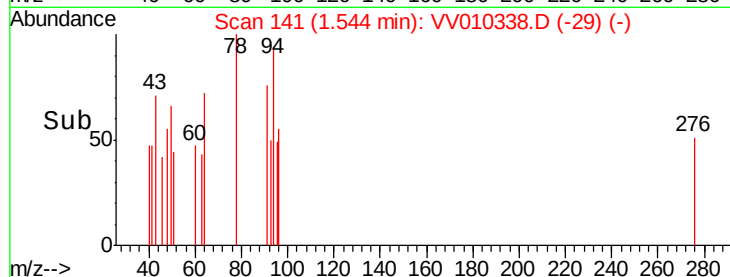


Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



Time-->



#13

Acetone

Concen: 9.690 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV010338.D

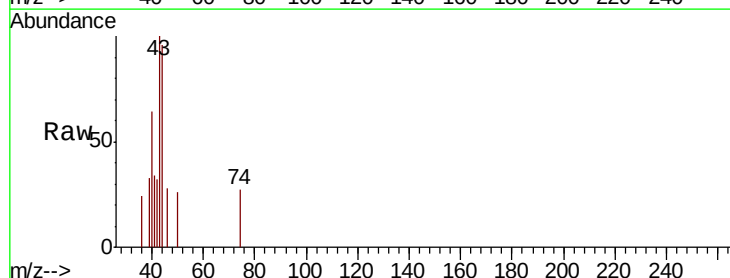
Acq: 16 Apr 2019 17:43

Tgt Ion: 43 Resp: 666

Ion Ratio Lower Upper

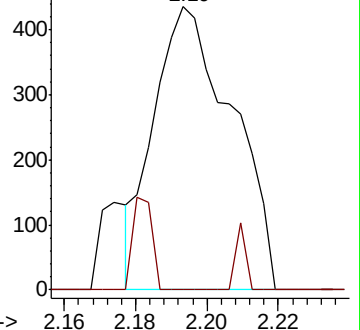
43 100

58 0.0 0.0 61.6

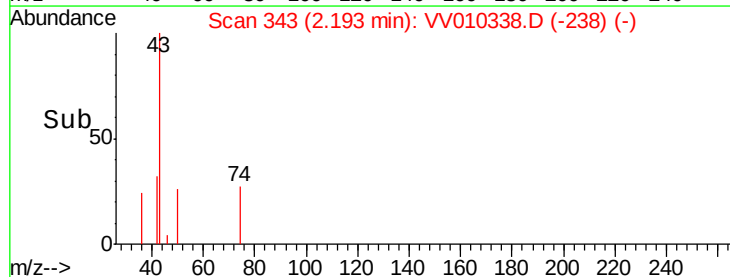


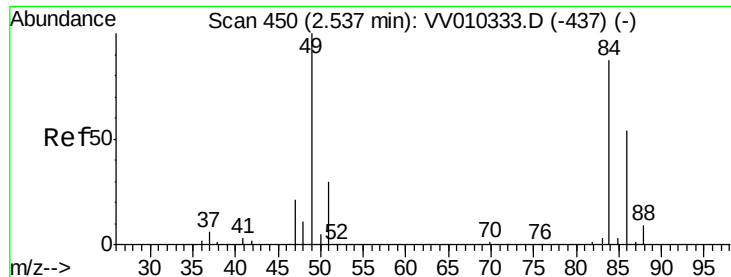
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



Time-->





#16

Methylene chloride

Concen: 5.321 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV010338.D

Acq: 16 Apr 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

GAHJ1

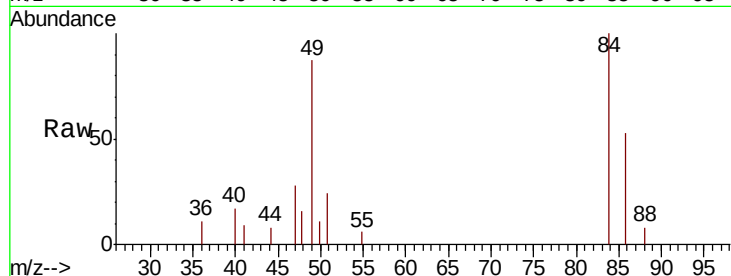
Tgt Ion: 84 Resp: 2301

Ion Ratio Lower Upper

84 100

49 86.6 79.9 148.5

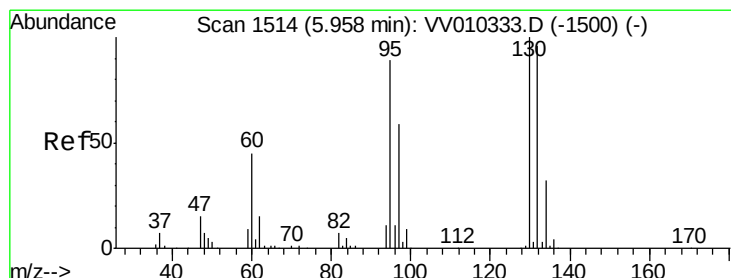
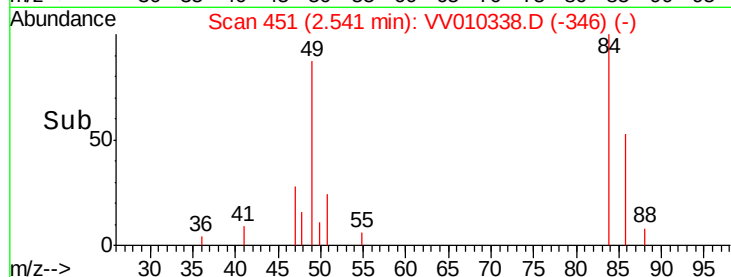
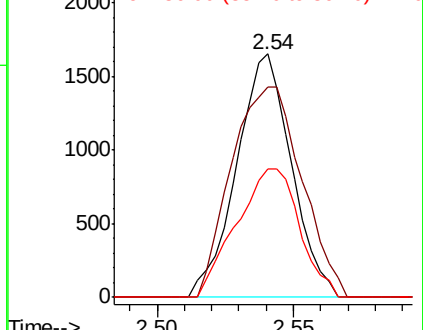
86 52.6 44.5 82.7



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



#35

Trichloroethene

Concen: 2.028 ug/L

RT: 5.67 min Scan# 1424

Delta R.T. -0.29 min

Lab File: VV010338.D

Acq: 16 Apr 2019 17:43

Tgt Ion: 95 Resp: 598

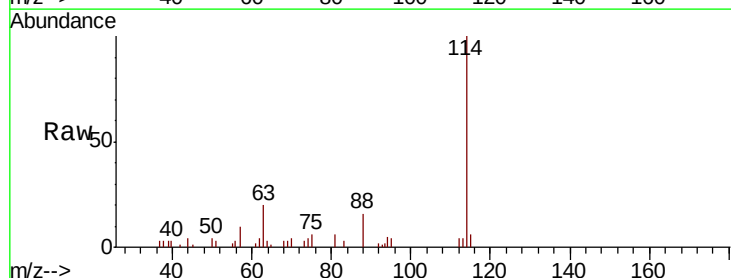
Ion Ratio Lower Upper

95 100

97 11.0 44.3 82.3#

132 0.0 71.3 132.3#

130 0.0 73.4 136.4#

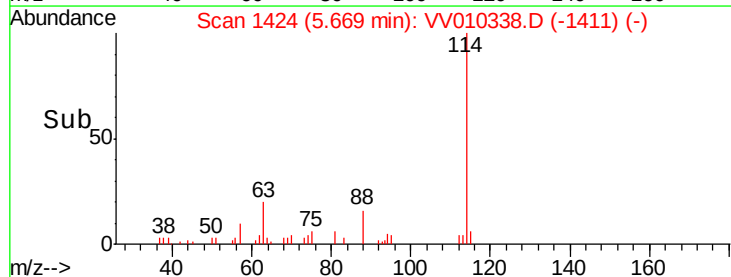
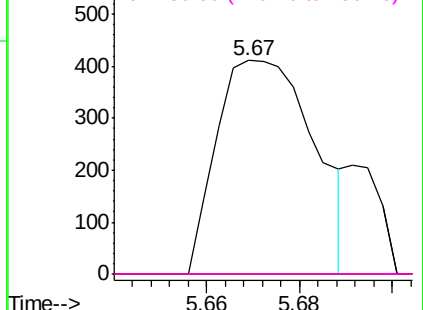


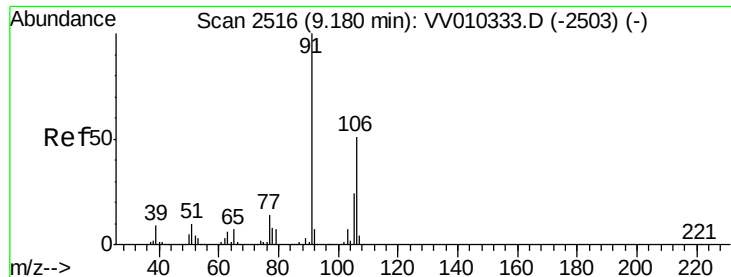
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#54

m,p-Xylene

Concen: 10.580 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010338.D

Acq: 16 Apr 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

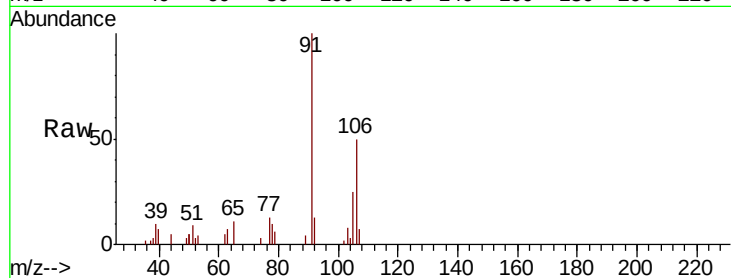
GAHJ1

Tgt Ion:106 Resp: 5280

Ion Ratio Lower Upper

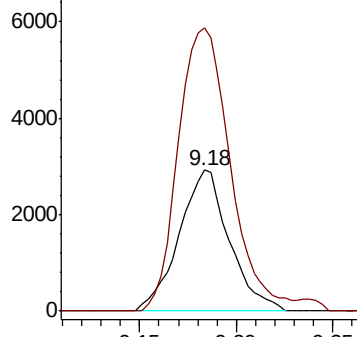
106 100

91 201.1 136.6 253.6

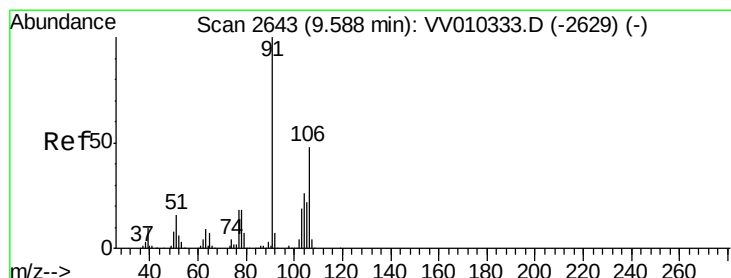
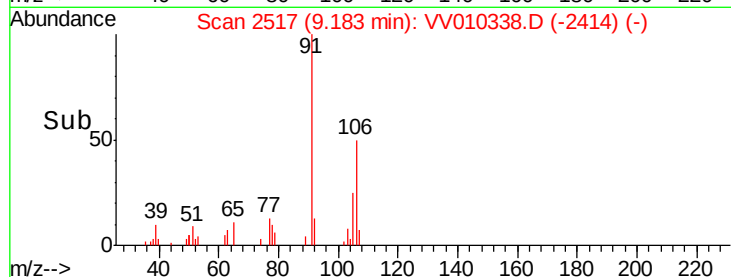


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

o-xylene

Concen: 7.379 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010338.D

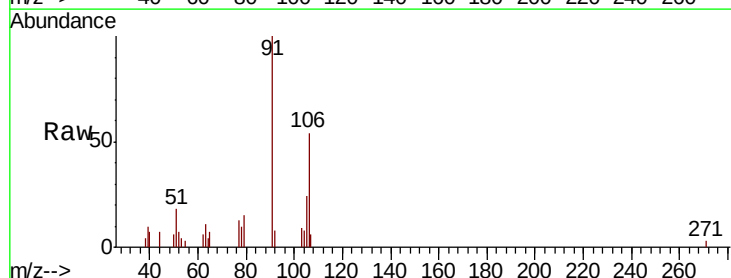
Acq: 16 Apr 2019 17:43

Tgt Ion:106 Resp: 3667

Ion Ratio Lower Upper

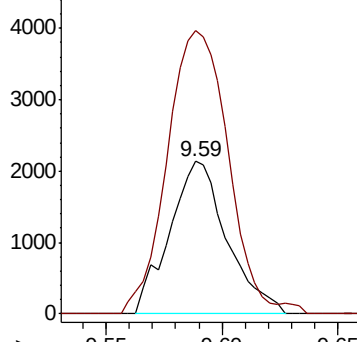
106 100

91 185.6 139.4 259.0

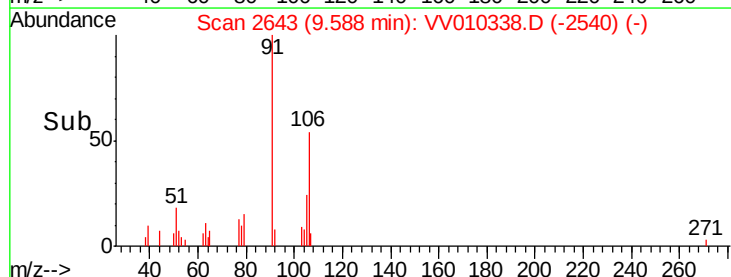


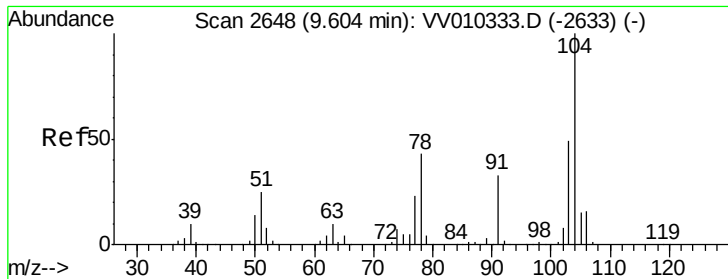
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->





#56

Styrene

Concen: 2.232 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. 0.01 min

Lab File: VV010338.D

Acq: 16 Apr 2019 17:43

Instrument :

MSVOA_V

ClientSampleId :

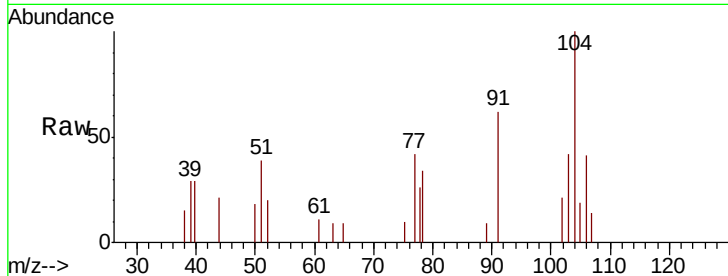
GAHJ1

Tgt Ion: 104 Resp: 1766

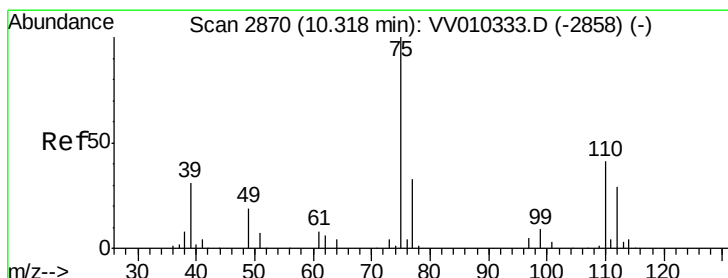
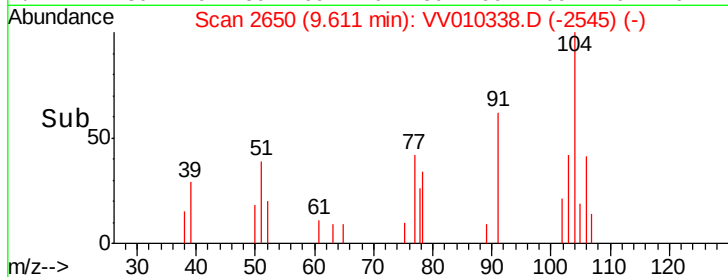
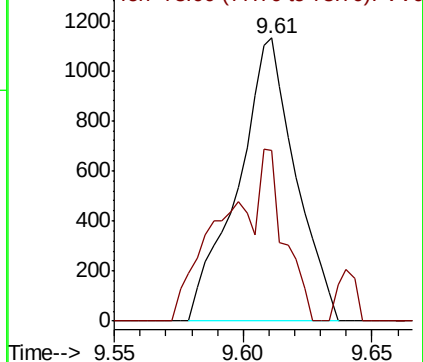
Ion Ratio Lower Upper

104 100

78 60.4 30.3 56.3#



Abundance Ion 104.00 (103.70 to 104.70): VV010333.D (-2633) (-)



#59

1,2,3-Trichloropropane

Concen: 0.841 ug/L

RT: 10.49 min Scan# 2922

Delta R.T. 0.17 min

Lab File: VV010338.D

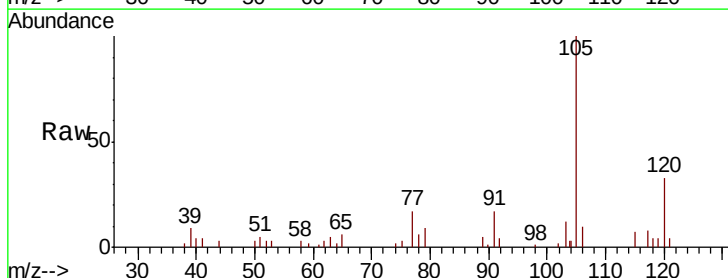
Acq: 16 Apr 2019 17:43

Tgt Ion: 75 Resp: 162

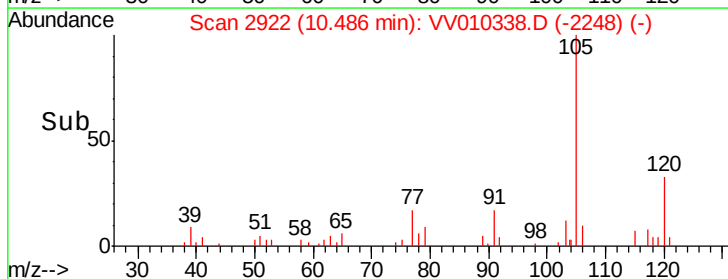
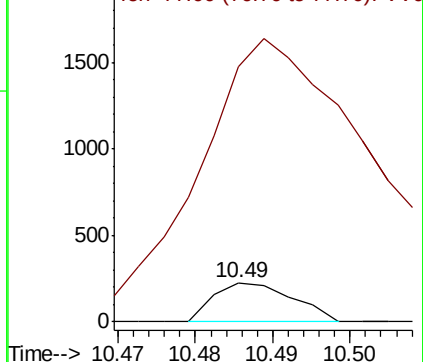
Ion Ratio Lower Upper

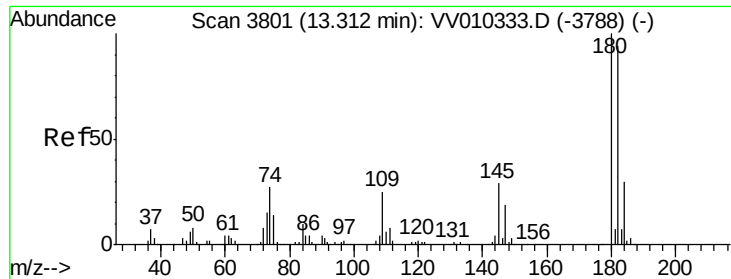
75 100

77 1567.3 26.9 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VV010333.D (-2858) (-)

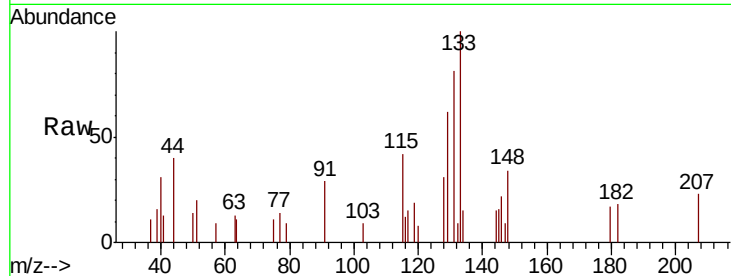




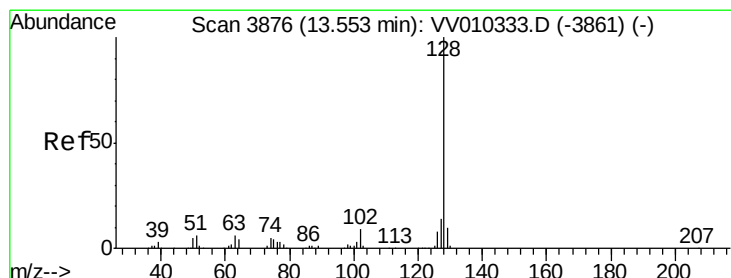
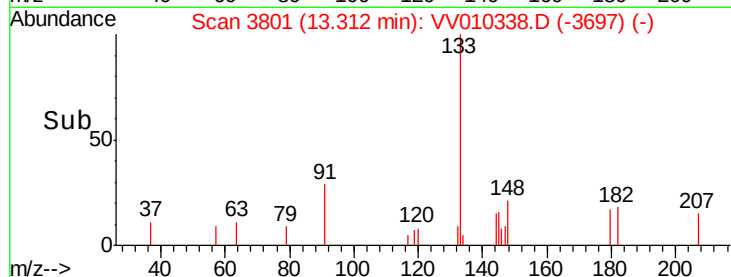
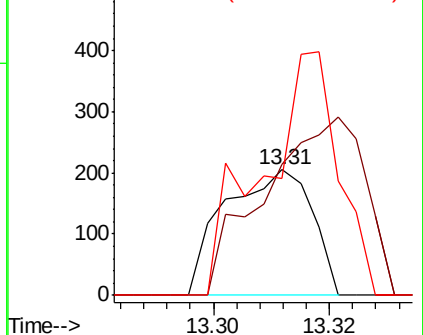
#68
 1,2,4-trichlorobenzene
 Concen: 0.706 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010338.D
 Acq: 16 Apr 2019 17:43

Instrument :
 MSVOA_V
 ClientSampled :
 GAHJ1

Tgt Ion:180 Resp: 214
 Ion Ratio Lower Upper
 180 100
 182 139.7 78.8 118.2#
 145 100.5 24.5 36.7#

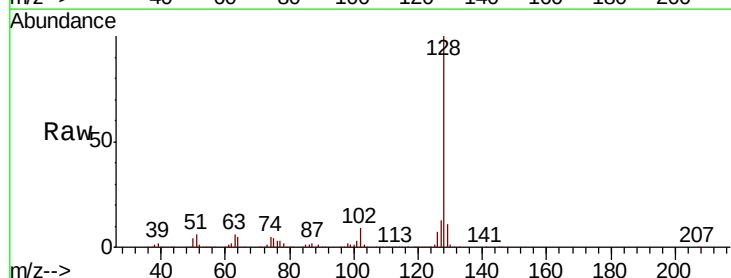


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

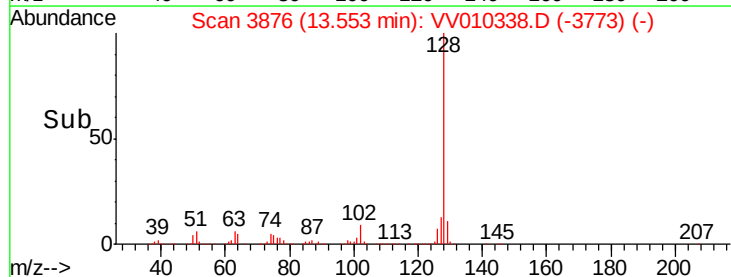
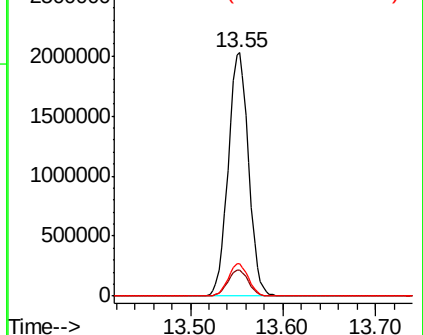


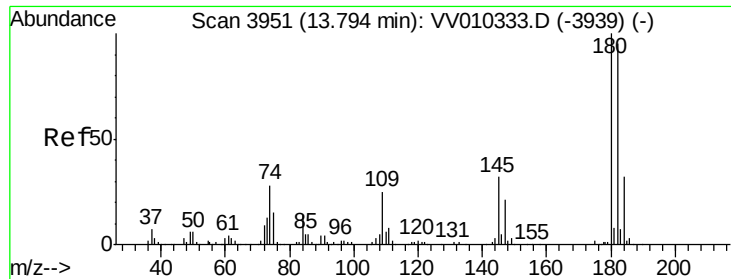
#69
 Naphthalene
 Concen: 7493.465 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV010338.D
 Acq: 16 Apr 2019 17:43

Tgt Ion:128 Resp: 3084642
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.4
 127 13.2 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





#70
 1,2,3-Trichlorobenzene
 Concen: 1.114 ug/L
 RT: 13.79 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VV010338.D
 Acq: 16 Apr 2019 17:43

Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.2	114.4#
145	46.3	24.9	37.3#

