

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010379.D
 Acq On : 19 Apr 2019 10:31
 Operator : SY/MD
 Sample : K2402-09MSD
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHH9MSD

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:53:48 AM

Quant Time: Apr 20 03:59:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 20 02:27:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	40918	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	38270	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	16185	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	11196	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	10544	24.16	ug/L	0.03
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
10) 1,1-Dichloroethene-d2	2.13	63	21694	17.31	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.24%
20) 2-Butanone-d5	3.95	46	6101m	37.70	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.40%
24) Chloroform-d	4.40	84	22919	21.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.24%
26) 1,2-Dichloroethane-d4	5.08	65	13424	21.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.56%
29) Benzene-d6	5.10	84	41348	21.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.44%
33) 1,2-Dichloropropane-d6	6.12	67	11934	20.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.28%
37) Toluene-d8	7.36	98	36299	19.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.12%
38) trans-1,3-Dichloropropene-	7.67	79	4195	14.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.52%
39) 2-Hexanone-d5	8.14	63	3685	28.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	57.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	11094	19.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	13378	21.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	12067	22.701	ug/L	90
16) Methylene chloride	2.54	84	1822	2.788	ug/L	84
34) Benzene	5.15	78	50385	26.980	ug/L	100
35) Trichloroethene	5.96	95	14247	25.785	ug/L	93
44) Toluene	7.43	91	48607	23.087	ug/L	99
52) Chlorobenzene	8.93	112	34065	23.254	ug/L	96
53) Ethylbenzene	9.06	91	6793	2.840	ug/L	95
54) m,p-Xylene	9.18	106	60508	65.350	ug/L	97
55) o-xylene	9.59	106	34158	38.252	ug/L	98
56) Styrene	9.60	104	16595	10.883	ug/L	88
57) Isopropylbenzene	9.97	105	9909	4.164	ug/L #	95

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

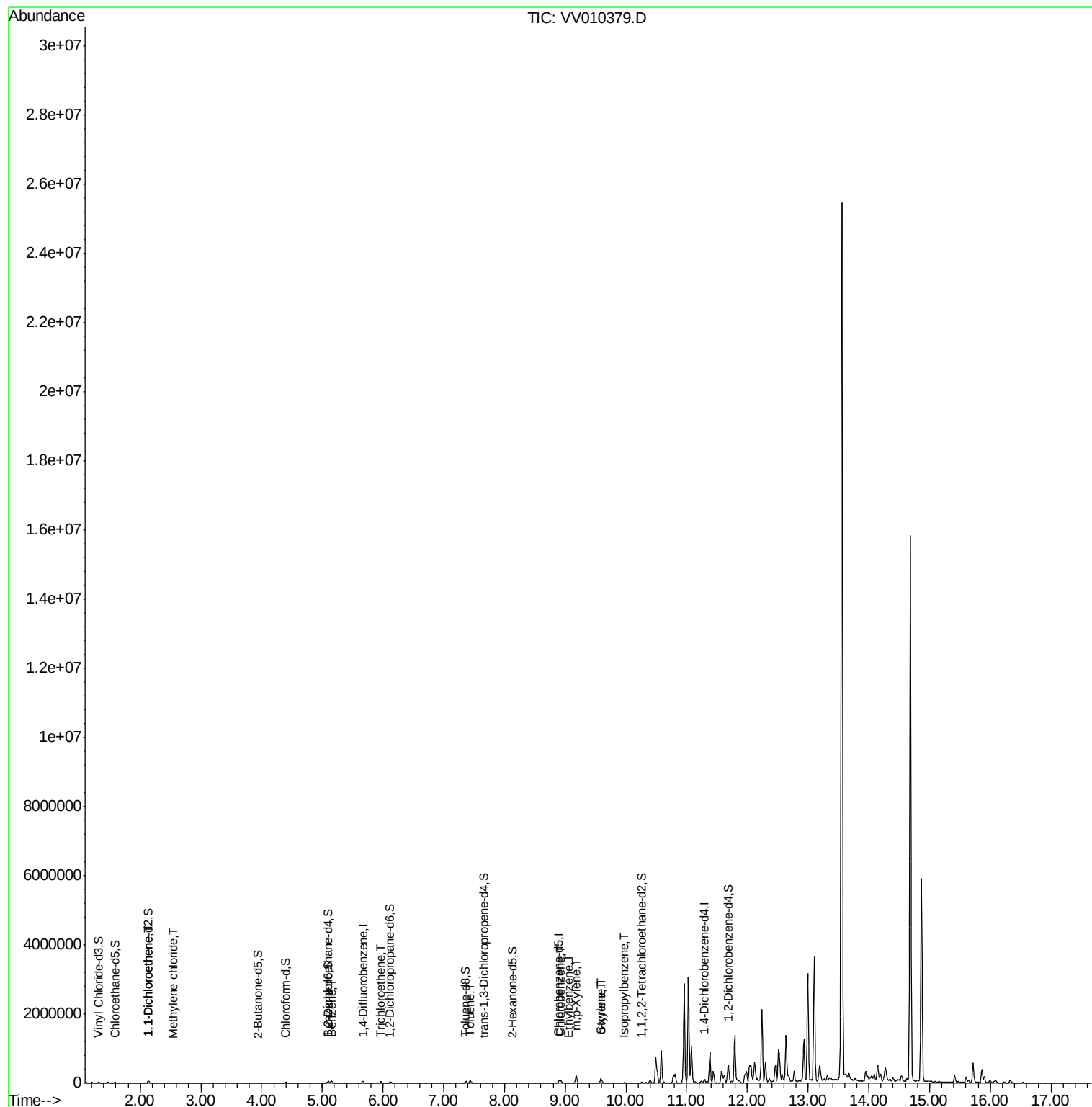
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041819\
Data File : VV010379.D
Acq On : 19 Apr 2019 10:31
Operator : SY/MD
Sample : K2402-09MSD
Misc : 5.00G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

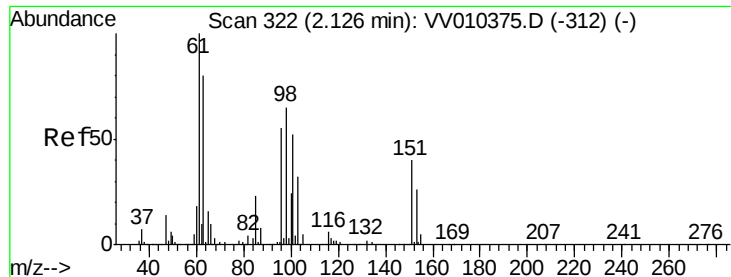
Instrument :
MSVOA_V
ClientSampleId :
GAHH9MSD

Manual Integrations
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4/23/2019 6:53:48 AM

Quant Time: Apr 20 03:59:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 20 02:27:31 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 22.701 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.02 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

Instrument :

MSVOA_V

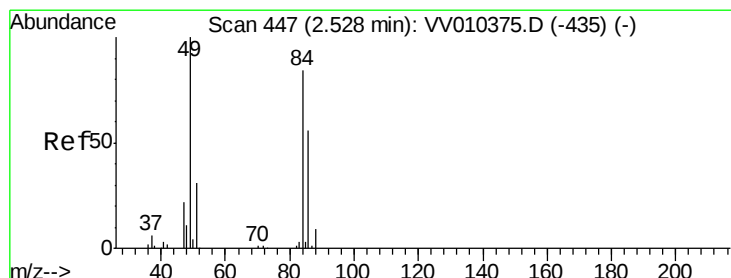
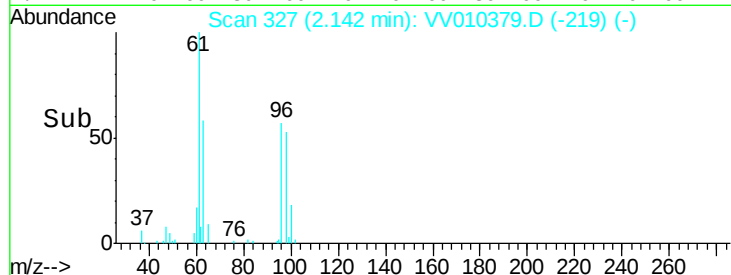
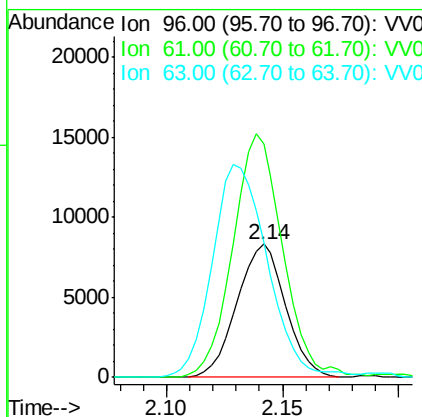
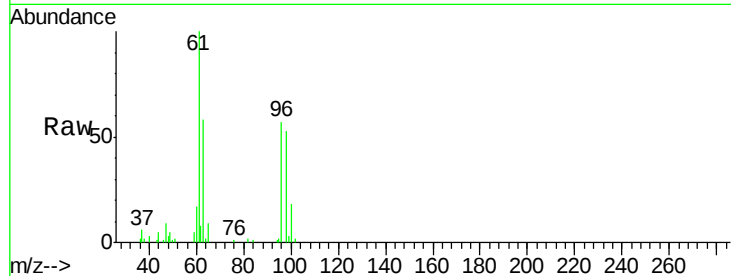
ClientSampleId :

GAHH9MSD

Tot Ion:	96	Resp:	12067
Ion	Ratio	Lower	Upper
96	100		
61	175.2	124.7	231.5
63	101.7	88.7	164.7

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#16

Methylene chloride

Concen: 2.788 ug/L

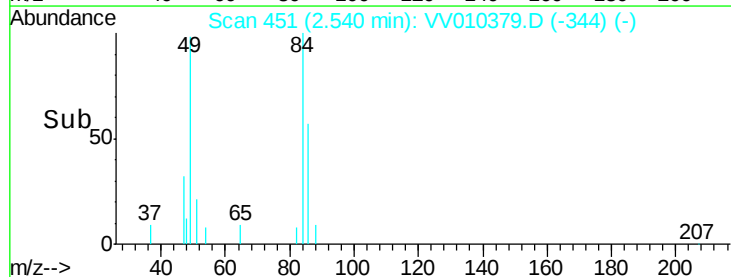
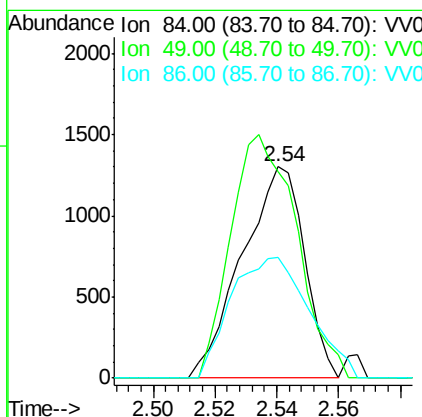
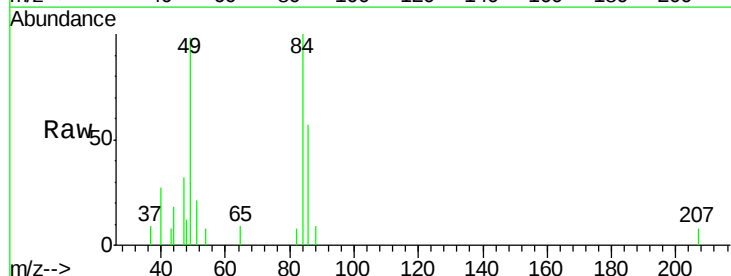
RT: 2.54 min Scan# 451

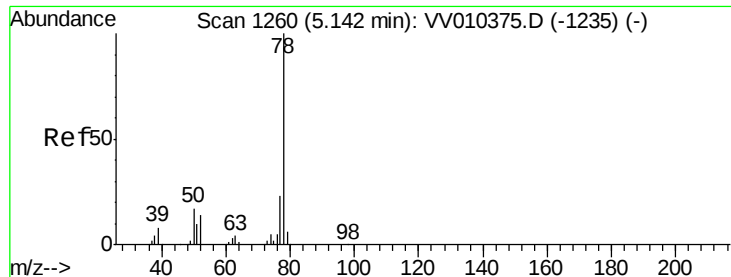
Delta R.T. 0.01 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

Tgt Ion:	84	Resp:	1822
Ion	Ratio	Lower	Upper
84	100		
49	98.0	83.8	155.6
86	57.4	46.1	85.5





#34

Benzene

Concen: 26.980 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

Instrument :

MSVOA_V

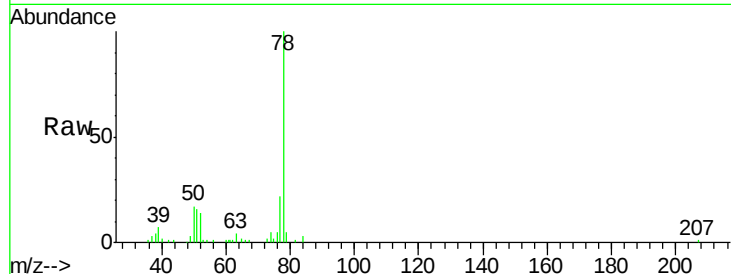
ClientSampleId :

GAHH9MSD

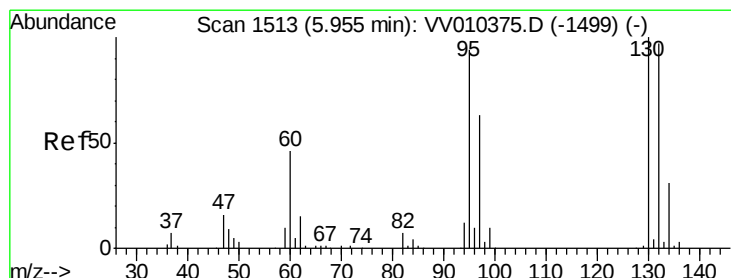
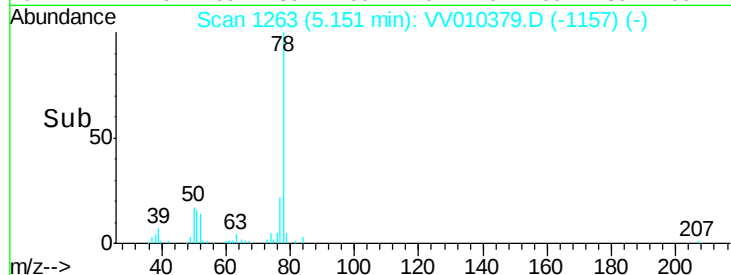
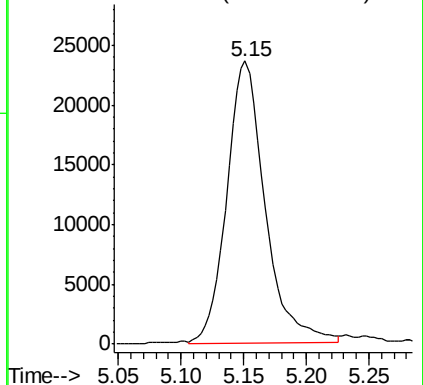
Tgt Ion: 78 Resp: 50385

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 25.785 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

Tgt Ion: 95 Resp: 14247

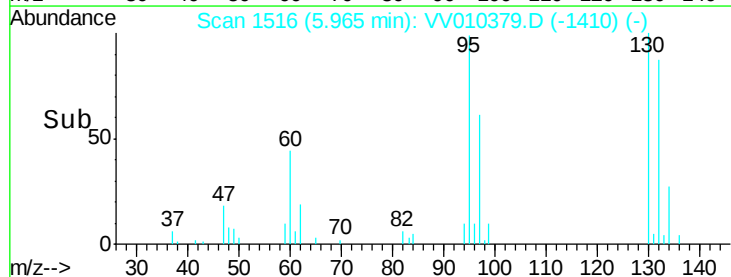
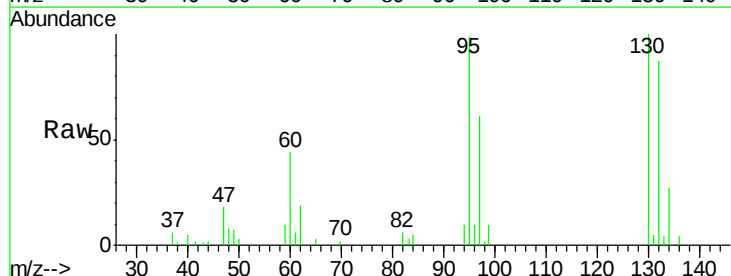
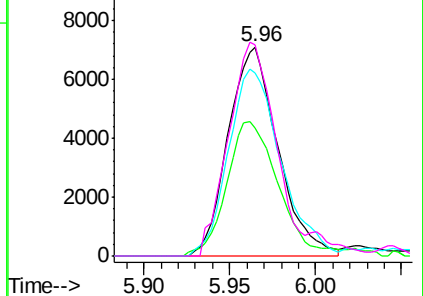
Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.6	84.8
132	94.0	71.5	132.7
130	95.3	74.0	137.4

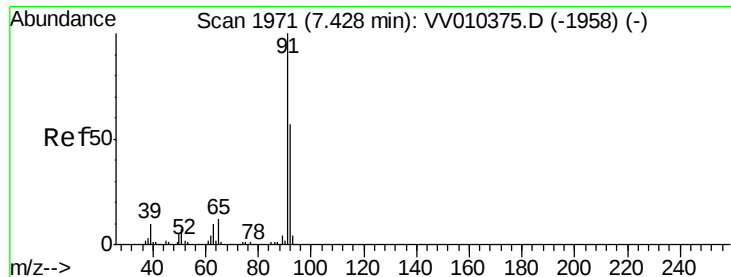
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#44

Toluene

Concen: 23.087 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

Instrument :

MSVOA_V

ClientSampleId :

GAHH9MSD

Tot Ion: 91 Resp: 48607

Ion Ratio Lower Upper

91 100

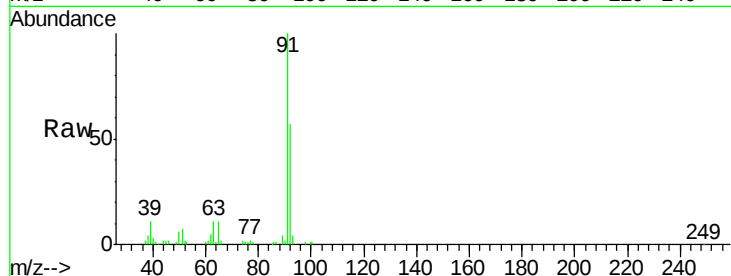
92 56.6 40.1 74.5

Manual Integrations

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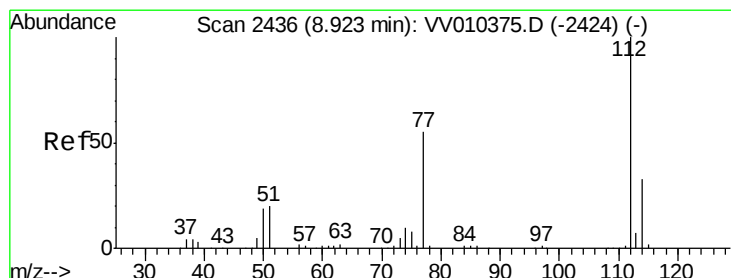
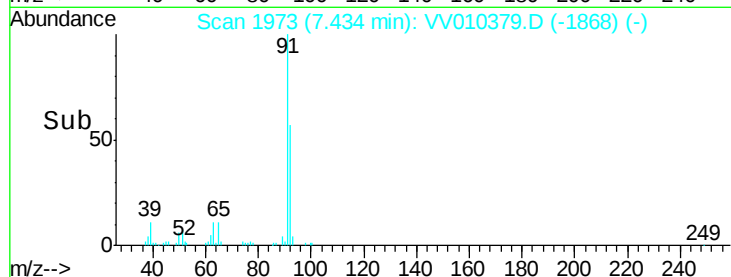
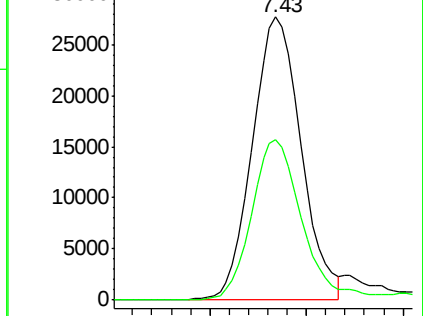
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Abundance Ion 91.00 (90.70 to 91.70): VV010375.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010379.D (-1868) (-)



#52

Chlorobenzene

Concen: 23.254 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.01 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

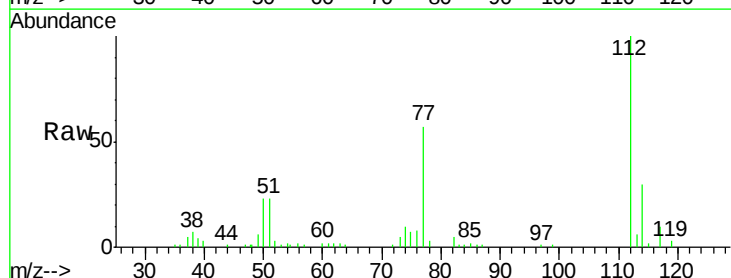
Tgt Ion: 112 Resp: 34065

Ion Ratio Lower Upper

112 100

77 57.2 43.0 64.4

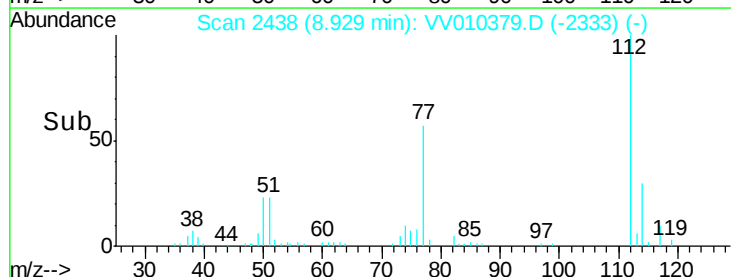
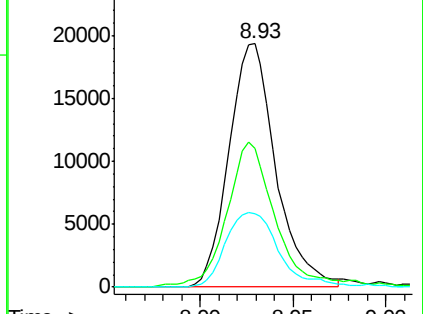
114 30.4 22.5 41.9

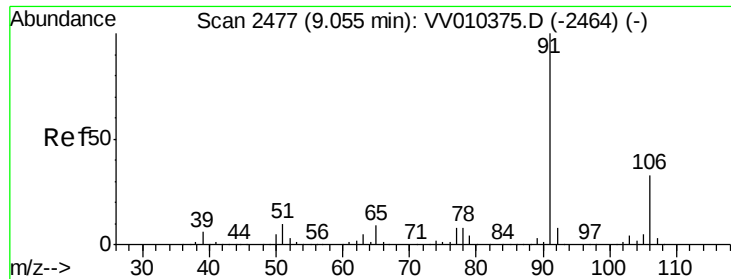


Abundance Ion 112.00 (111.70 to 112.70): VV010375.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV010379.D (-2333) (-)

Ion 114.00 (113.70 to 114.70): VV010379.D (-2333) (-)





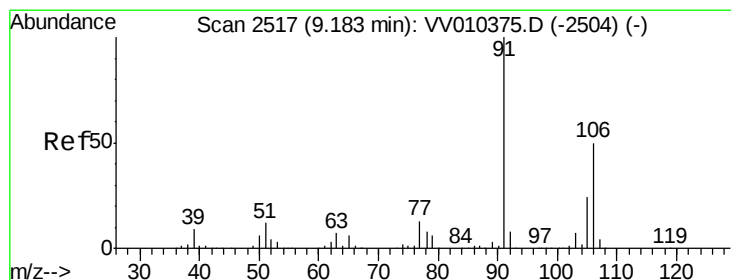
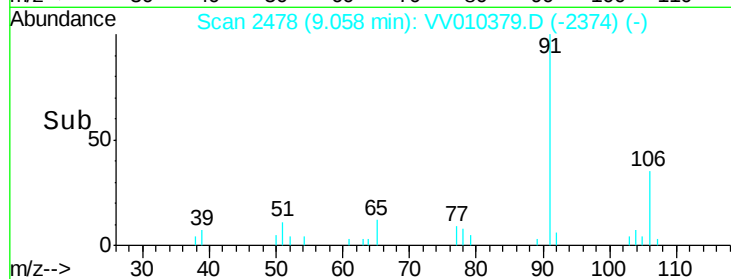
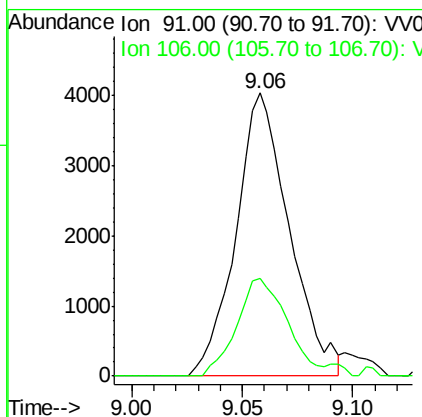
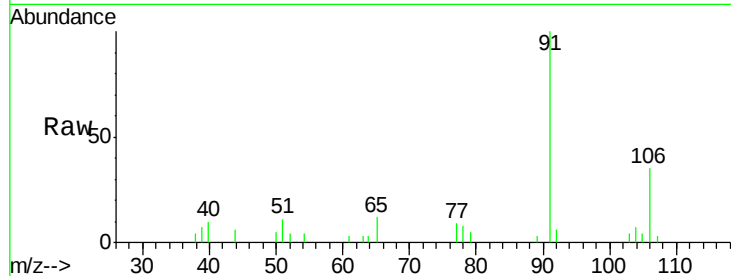
#53
Ethylbenzene
Concen: 2.840 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV010379.D
Acq: 19 Apr 2019 10:31

Instrument :
MSVOA_V
ClientSampleId :
GAHH9MSD

Tot Ion: 91 Resp: 6793
Ion Ratio Lower Upper
91 100
106 34.7 22.5 41.9

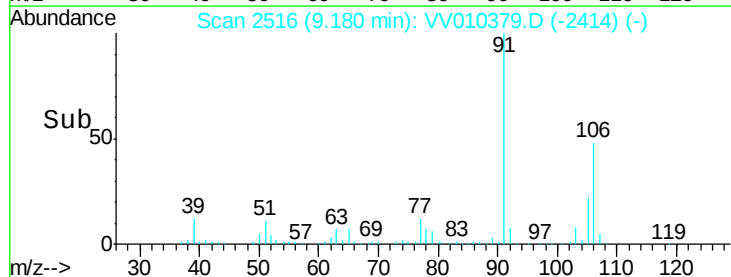
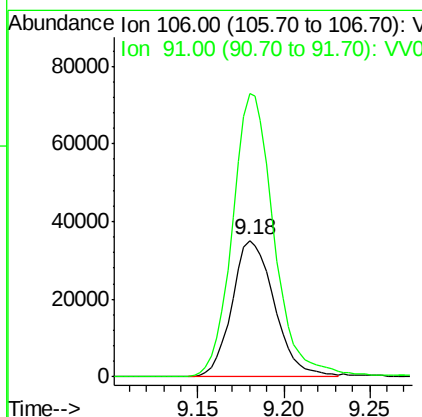
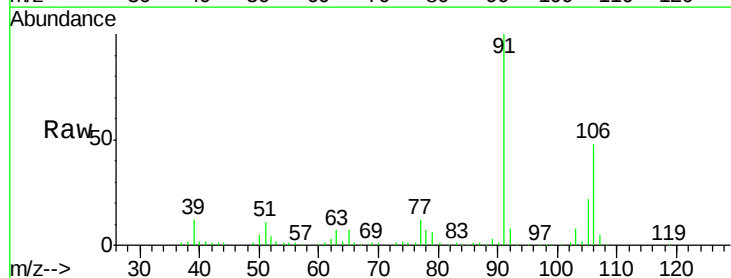
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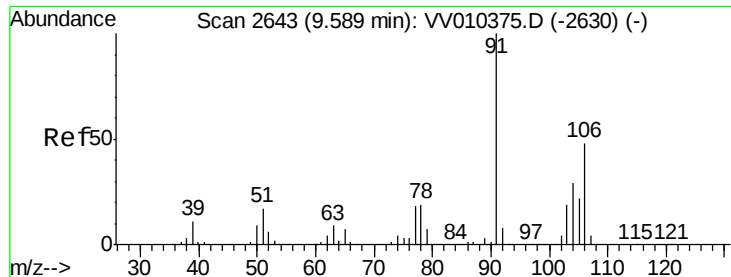
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#54
m,p-Xylene
Concen: 65.350 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV010379.D
Acq: 19 Apr 2019 10:31

Tgt Ion: 106 Resp: 60508
Ion Ratio Lower Upper
106 100
91 207.6 141.6 263.0





#55

o-xylene

Concen: 38.252 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010379.D

Acq: 19 Apr 2019 10:31

Instrument :

MSVOA_V

ClientSampleId :

GAHH9MSD

Tot Ion:106 Resp: 34158

Ion Ratio Lower Upper

106 100

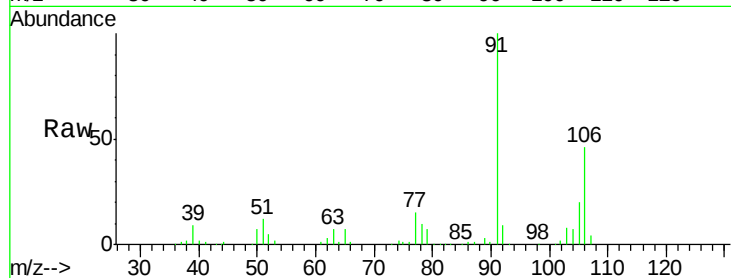
91 217.0 150.1 278.9

Manual Integrations

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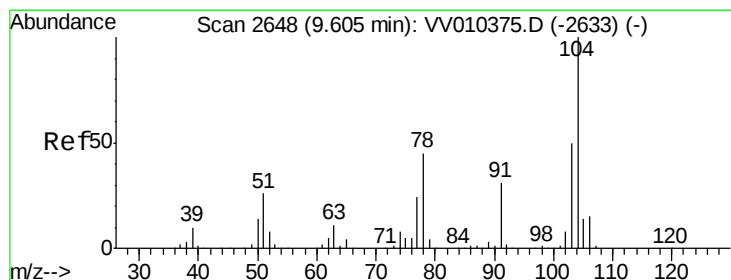
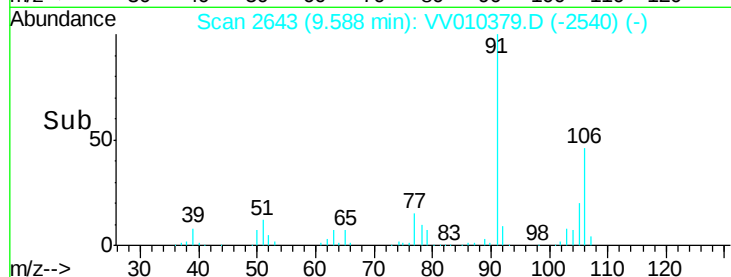
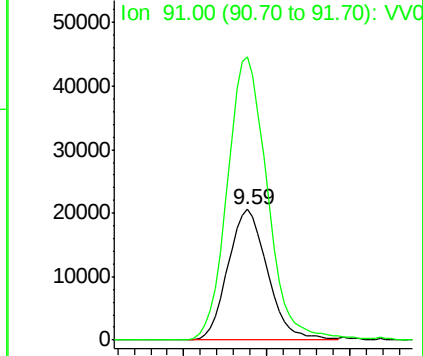
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 10.883 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010379.D

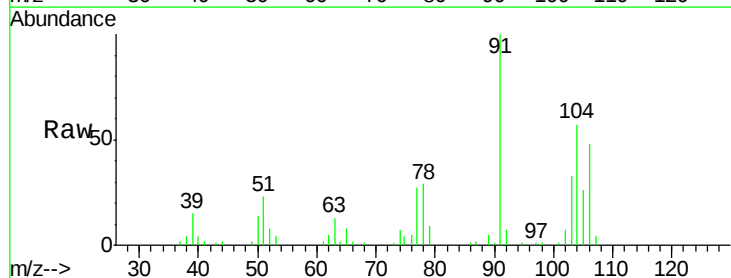
Acq: 19 Apr 2019 10:31

Tgt Ion:104 Resp: 16595

Ion Ratio Lower Upper

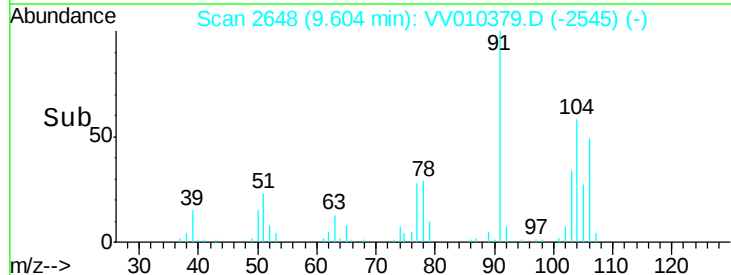
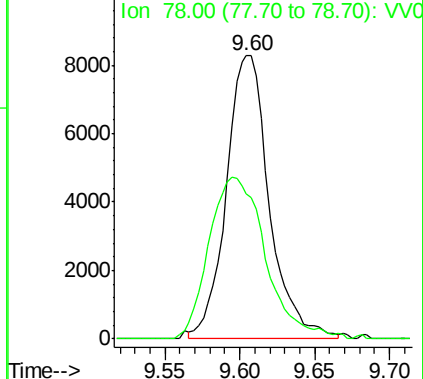
104 100

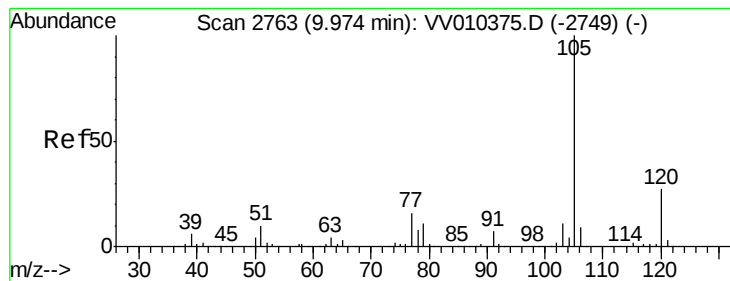
78 51.4 30.7 56.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 4.164 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010379.D

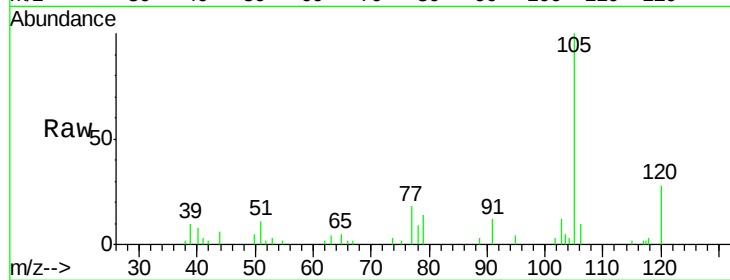
Acq: 19 Apr 2019 10:31

Instrument :

MSVOA_V

ClientSampleId :

GAHH9MSD



Tot Ion:	105	Resp:	9909
Ion Ratio	Lower	Upper	
105	100		
120	27.8	21.9	32.9
77	21.9	13.0	19.6

Manual Integrations
APPROVED

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