

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032518.D
 Acq On : 07 Jun 2019 00:13
 Operator : JC/SP
 Sample : K3215-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8K4

Quant Time: Jun 07 07:11:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 07:01:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	204198	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190925	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97678	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39332	29.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.38%#
7) Chloroethane-d5	1.68	69	37186	34.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.86%#
11) 1,1-Dichloroethene-d2	2.27	63	65889	25.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.80%#
21) 2-Butanone-d5	4.17	46	108921	98.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.24%
24) Chloroform-d	4.64	84	104081	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.24%
26) 1,2-Dichloroethane-d4	5.30	65	71856	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
32) Benzene-d6	5.33	84	212433	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.72%
36) 1,2-Dichloropropane-d6	6.32	67	71380	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.86%
41) Toluene-d8	7.56	98	198168	42.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.34%
43) trans-1,3-Dichloropropene-	7.85	79	31610	42.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.00%
47) 2-Hexanone-d5	8.31	63	69196	91.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	108193	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	89954	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%

Target Compounds

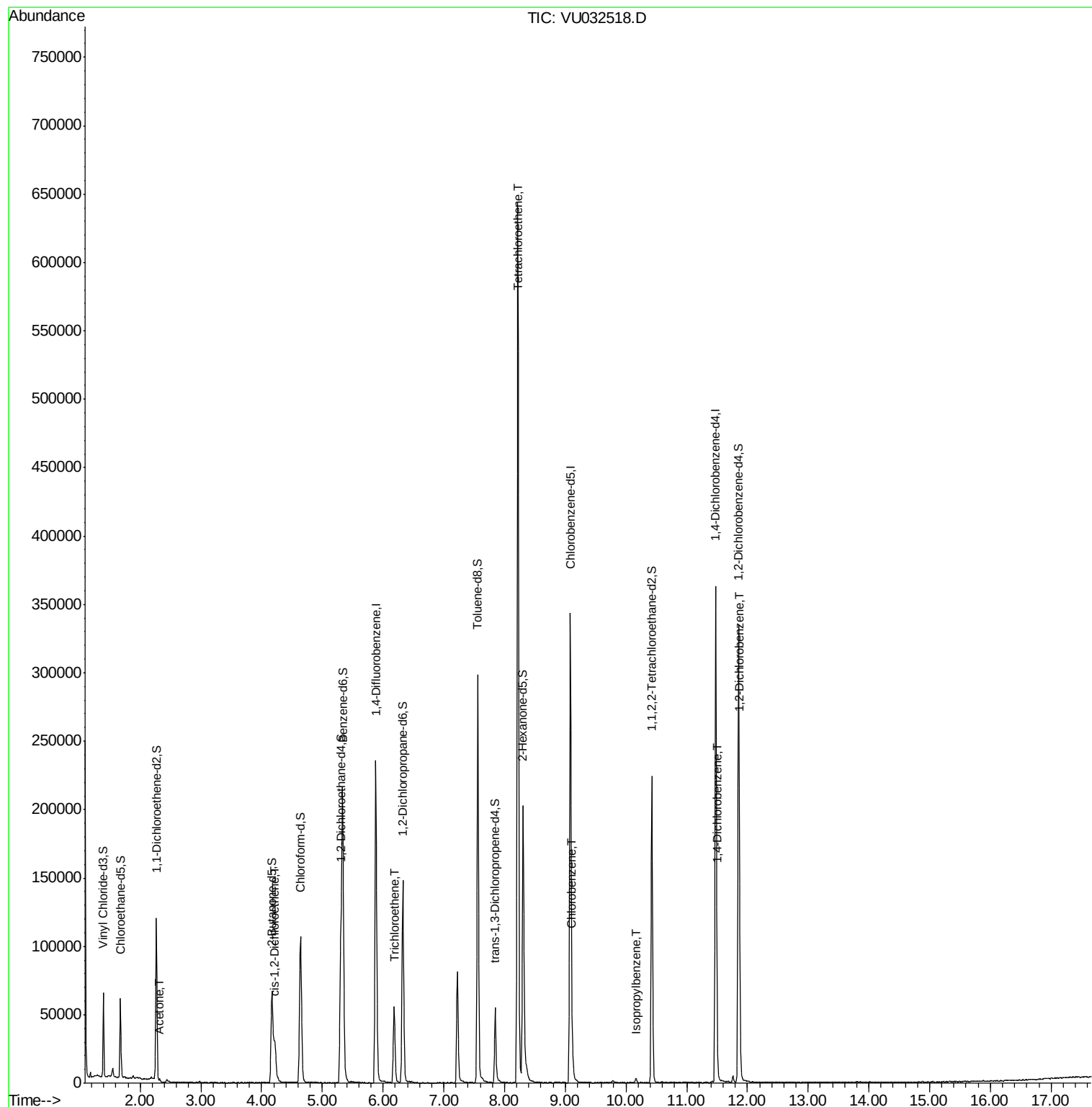
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	1421	1.242	ug/L	86
20) cis-1,2-Dichloroethene	4.22	96	13534	9.108	ug/L	95
34) Trichloroethene	6.18	95	18874	12.932	ug/L	98
46) Tetrachloroethene	8.22	164	142217	117.985	ug/L	99
51) Chlorobenzene	9.12	112	14680	3.878	ug/L	97
56) Isopropylbenzene	10.17	105	2859	0.439	ug/L #	88
63) 1,4-Dichlorobenzene	11.50	146	3458	1.145	ug/L	91
65) 1,2-Dichlorobenzene	11.87	146	15943	5.336	ug/L	97

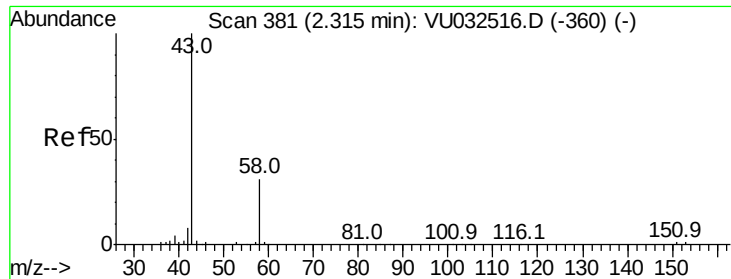
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration





#13

Acetone

Concen: 1.242 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032518.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

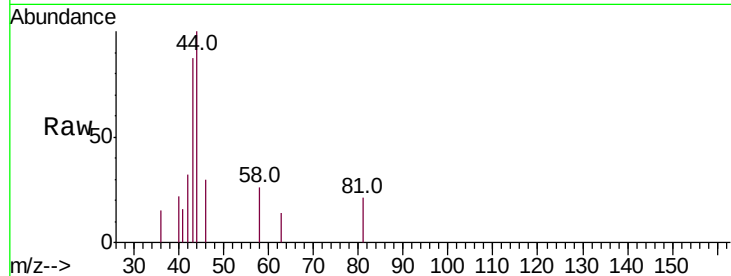
DB8K4

Tot Ion: 43 Resp: 1421

Ion Ratio Lower Upper

43 100

58 24.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

800

600

400

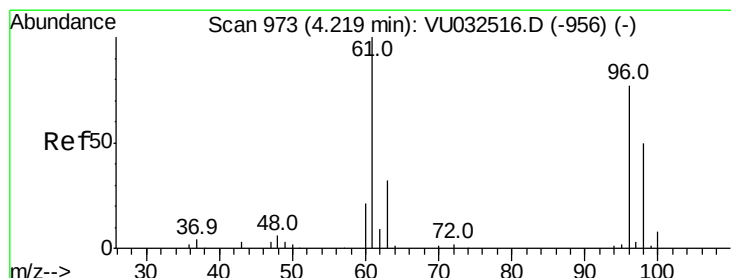
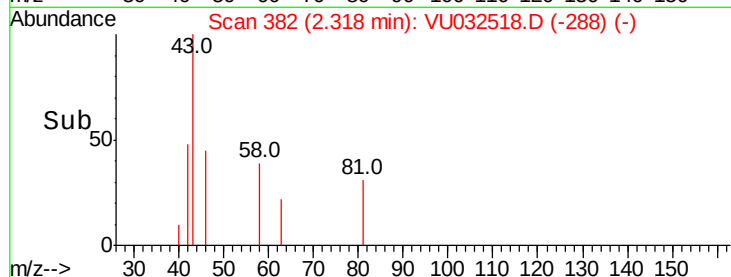
200

0

Time-->

2.30

2.35



#20

cis-1,2-Dichloroethene

Concen: 9.108 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032518.D

Acq: 07 Jun 2019 00:13

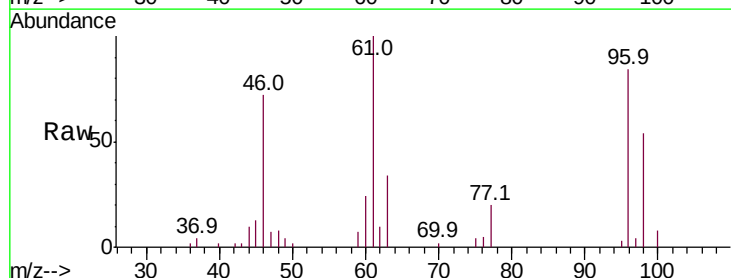
Tgt Ion: 96 Resp: 13534

Ion Ratio Lower Upper

96 100

61 119.4 87.2 162.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

8000

6000

4000

2000

0

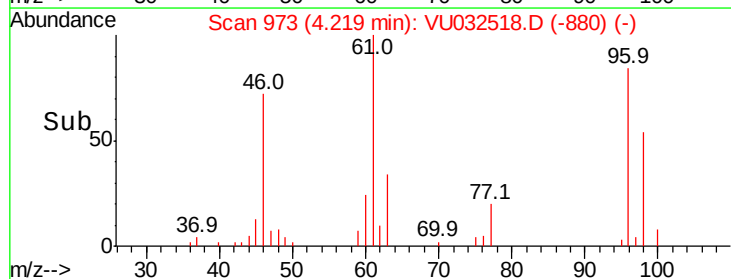
Time-->

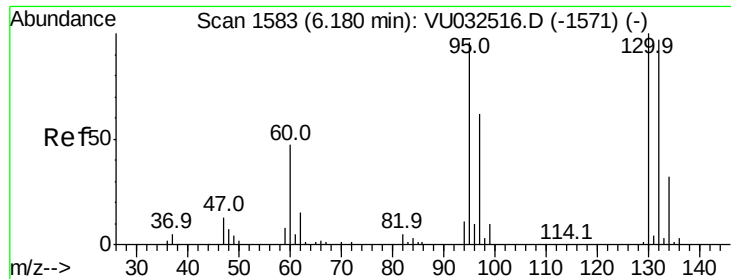
4.15

4.20

4.25

4.30





#34

Trichloroethene

Concen: 12.932 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032518.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

DB8K4

Tot Ion: 95 Resp: 18874

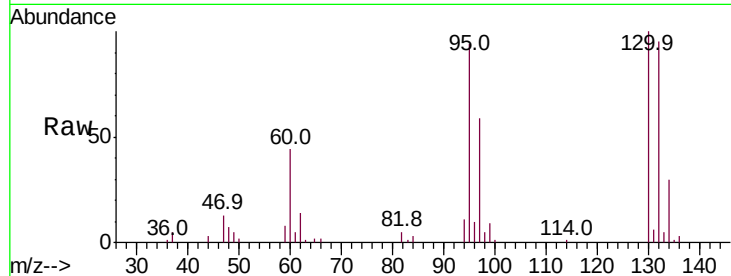
Ion Ratio Lower Upper

95 100

97 62.8 45.8 85.2

132 101.1 71.0 131.8

130 106.9 73.4 136.2

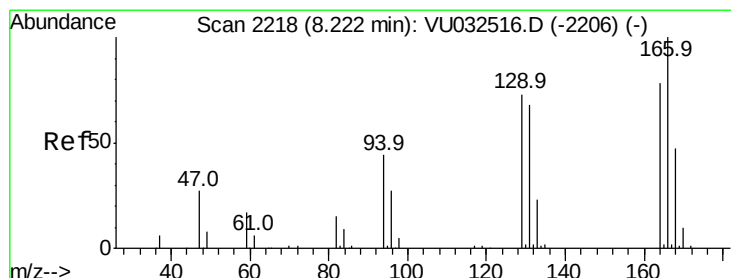
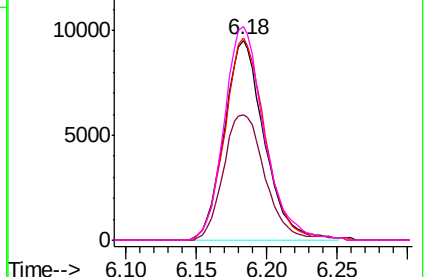
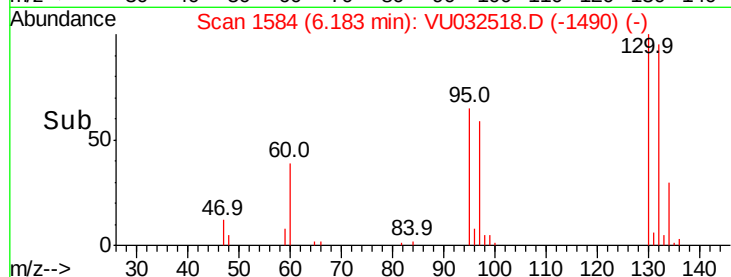


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 117.985 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032518.D

Acq: 07 Jun 2019 00:13

Tgt Ion:164 Resp: 142217

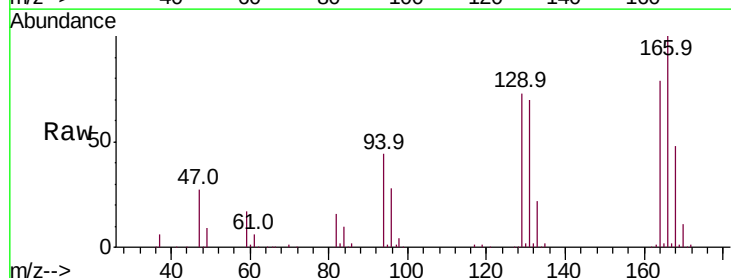
Ion Ratio Lower Upper

164 100

129 92.8 65.3 121.3

131 89.3 64.0 119.0

166 126.8 88.8 165.0

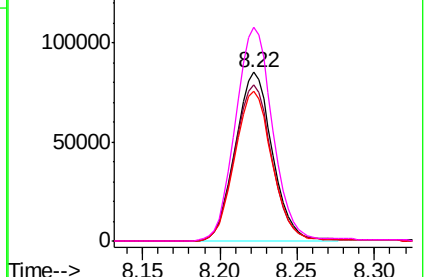
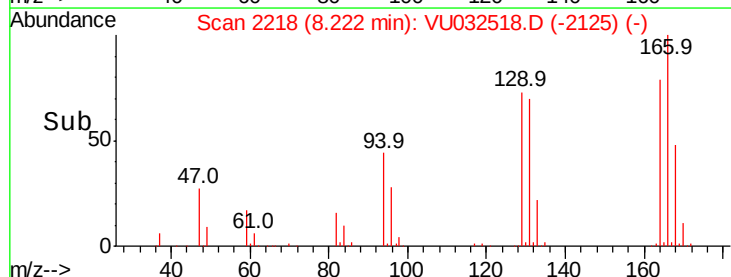


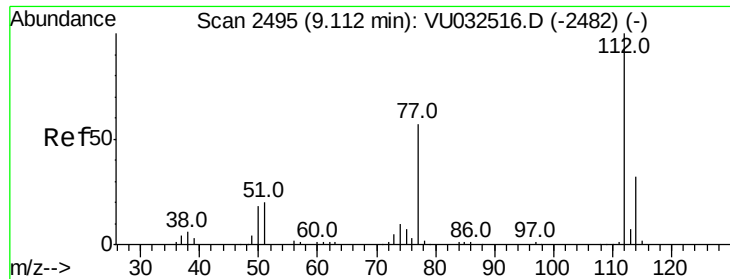
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#51

Chlorobenzene

Concen: 3.878 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032518.D

Acq: 07 Jun 2019 00:13

Instrument :

MSVOA_U

ClientSampleId :

DB8K4

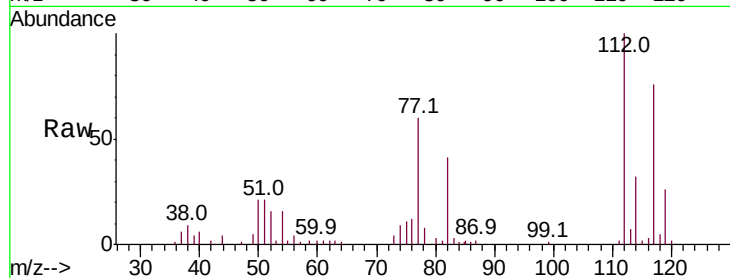
Tot Ion:112 Resp: 14680

Ion Ratio Lower Upper

112 100

114 31.8 22.6 42.0

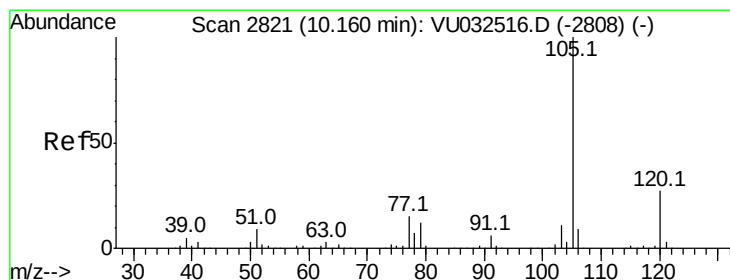
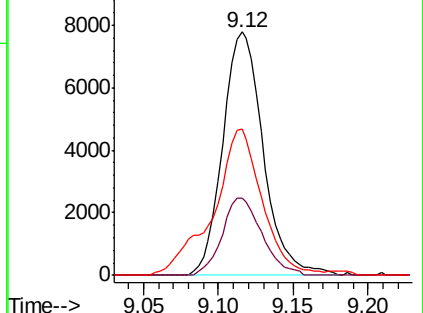
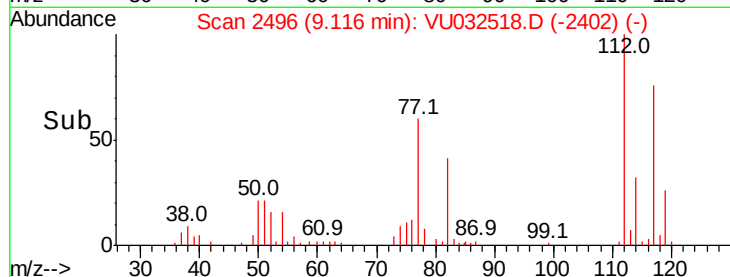
77 60.3 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU



#56

Isopropylbenzene

Concen: 0.439 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.01 min

Lab File: VU032518.D

Acq: 07 Jun 2019 00:13

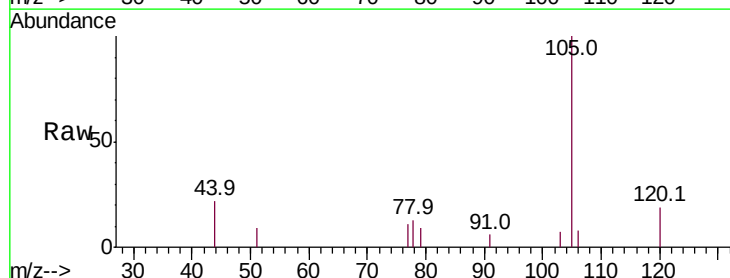
Tgt Ion:105 Resp: 2859

Ion Ratio Lower Upper

105 100

120 20.8 21.6 32.4#

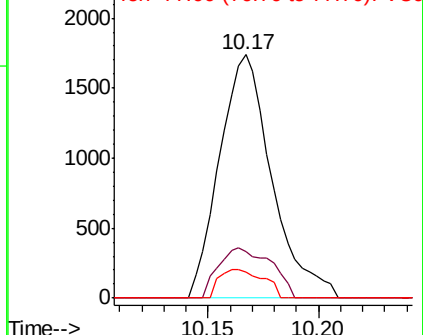
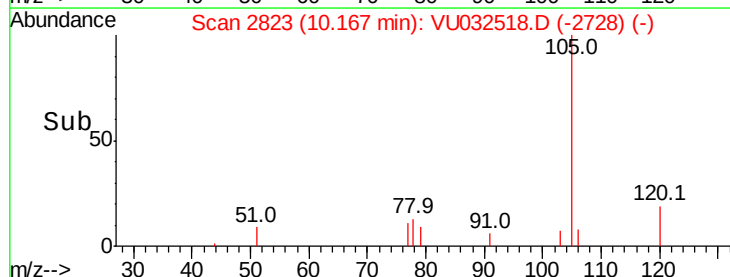
77 10.0 12.4 18.6#

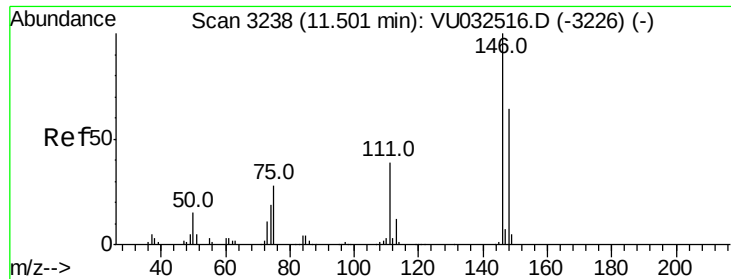


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU

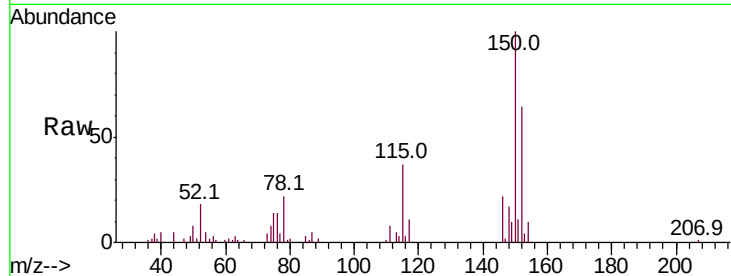




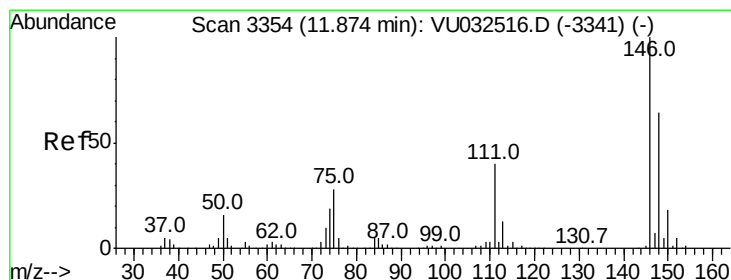
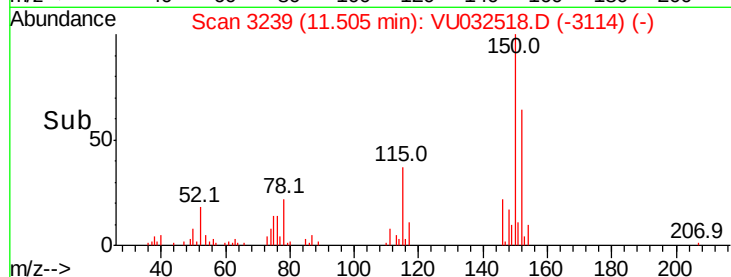
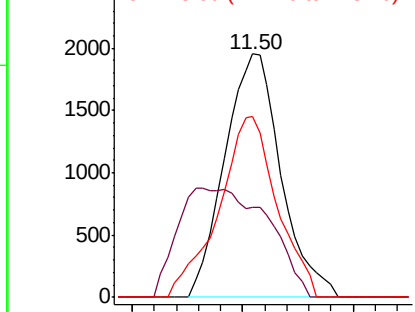
#63
1,4-Dichlorobenzene
Concen: 1.145 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU032518.D
Acq: 07 Jun 2019 00:13

Instrument :
MSVOA_U
ClientSampleId :
DB8K4

Tot Ion:146 Resp: 3458
Ion Ratio Lower Upper
146 100
111 36.8 26.6 49.4
148 74.3 44.9 83.5

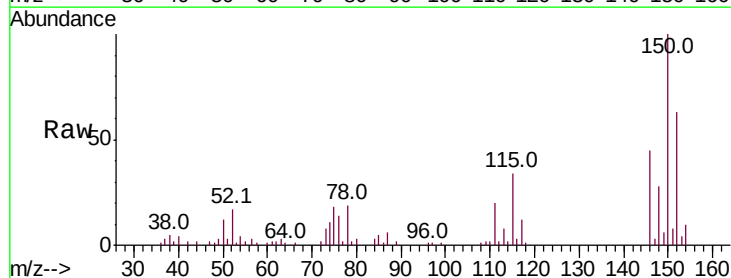


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65
1,2-Dichlorobenzene
Concen: 5.336 ug/L
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU032518.D
Acq: 07 Jun 2019 00:13

Tgt Ion:146 Resp: 15943
Ion Ratio Lower Upper
146 100
111 43.9 32.6 48.8
148 61.6 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

