

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010260.D
 Acq On : 12 Apr 2019 00:10
 Operator : SY/MD
 Sample : K2278-14MSD
 Misc : 5.45G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6Y3MSD

Quant Time: Apr 12 04:48:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:45:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	301346	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	289204	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126477	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	52841	15.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.92%
7) Chloroethane-d5	1.58	69	93546	31.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.52%
10) 1,1-Dichloroethene-d2	2.12	63	164501	18.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.52%
20) 2-Butanone-d5	3.95	46	42996	48.98	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.96%
24) Chloroform-d	4.40	84	165367	24.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	5.08	65	97253	24.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.24%
29) Benzene-d6	5.09	84	312392	22.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.60%
33) 1,2-Dichloropropane-d6	6.12	67	101998	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.36%
37) Toluene-d8	7.36	98	282586	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.12%
38) trans-1,3-Dichloropropene-	7.66	79	34921	20.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.76%
39) 2-Hexanone-d5	8.14	63	31235	43.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	84106	22.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	106873	22.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.52%

Target Compounds

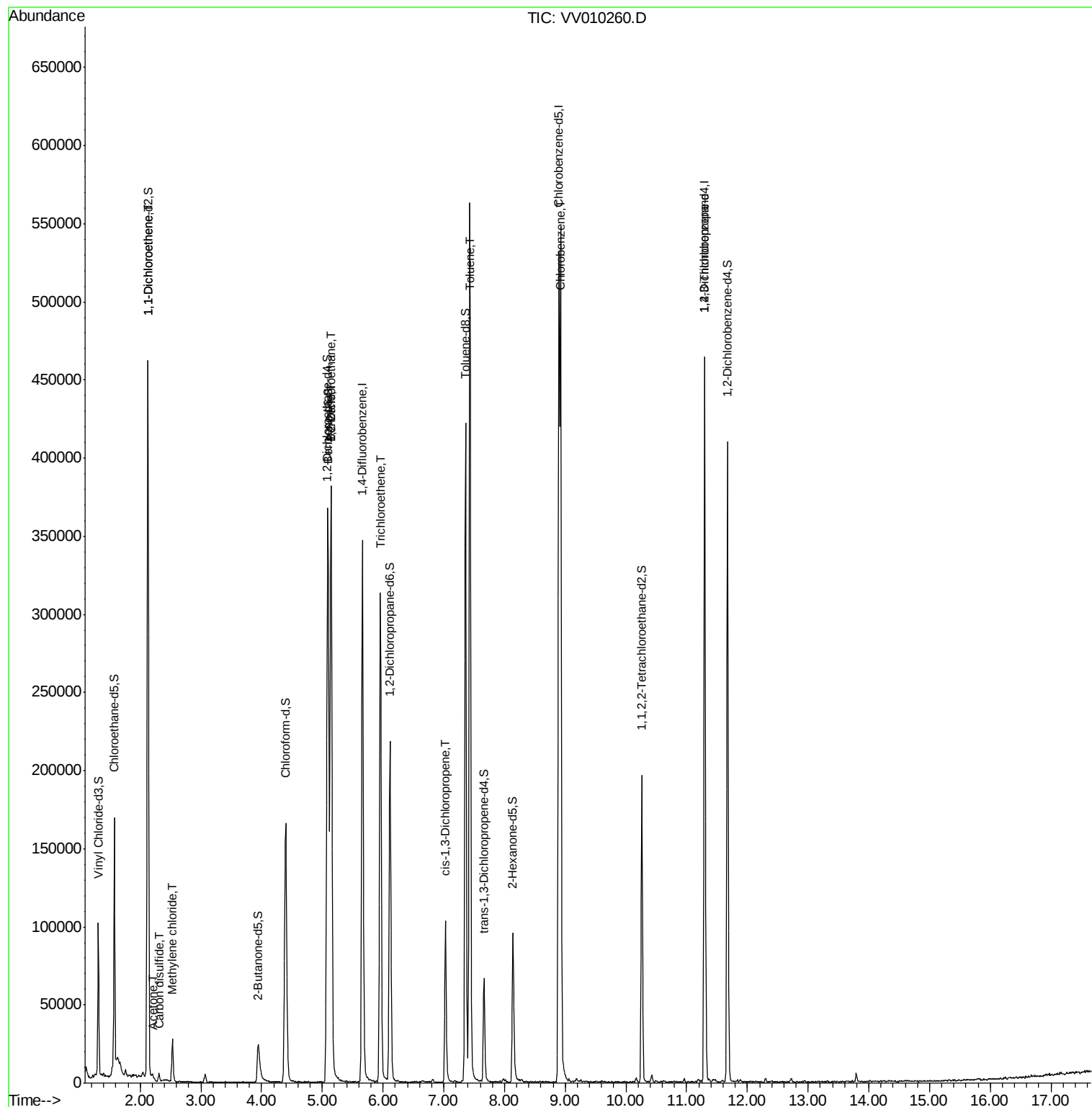
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	89283	22.457	ug/L	94
13) Acetone	2.20	43	3345	3.566	ug/L	95
14) Carbon disulfide	2.31	76	5620	0.585	ug/L #	95
16) Methylene chloride	2.53	84	11279	1.911	ug/L	99
27) 1,2-Dichloroethane	5.14	62	2499	0.529	ug/L #	74
34) Benzene	5.14	78	373568	25.482	ug/L	100
35) Trichloroethene	5.96	95	101494	23.961	ug/L	99
42) cis-1,3-Dichloropropene	7.03	75	3293	0.606	ug/L #	64
44) Toluene	7.43	91	410371	24.900	ug/L	97
52) Chlorobenzene	8.92	112	279860	24.335	ug/L	99
59) 1,2,3-Trichloropropane	11.30	75	16564	5.984	ug/L	96

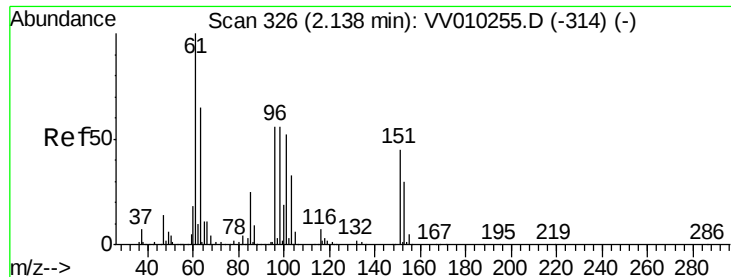
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 12 04:45:26 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 22.457 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

Instrument :

MSVOA_V

ClientSampleId :

DB6Y3MSD

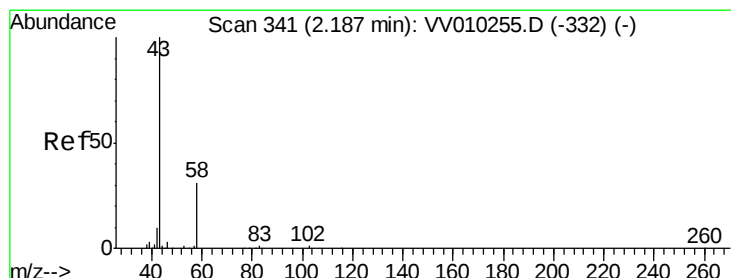
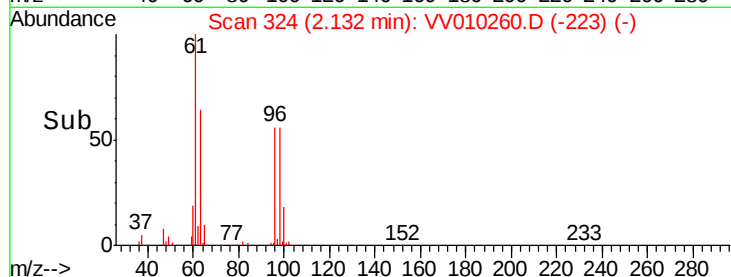
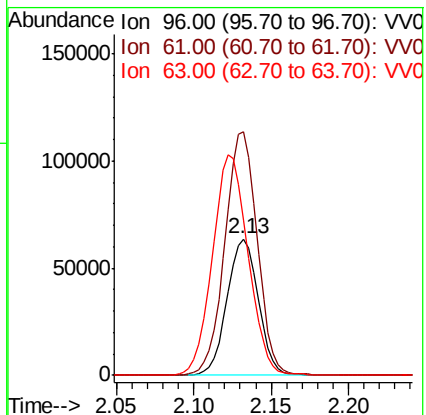
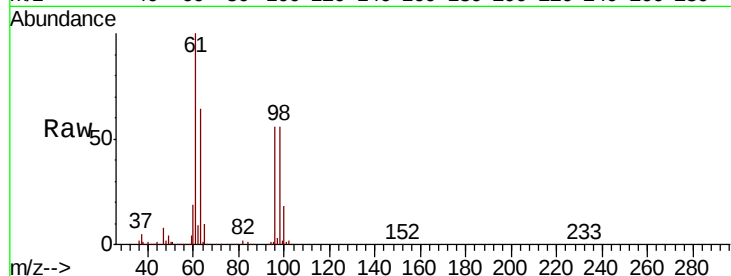
Tgt Ion: 96 Resp: 89283

Ion Ratio Lower Upper

96 100

61 178.7 125.3 232.7

63 114.0 91.3 169.6



#13

Acetone

Concen: 3.566 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV010260.D

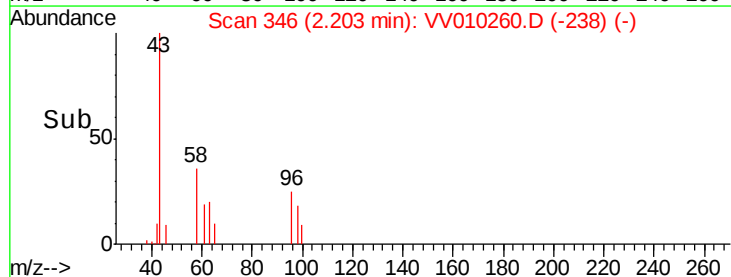
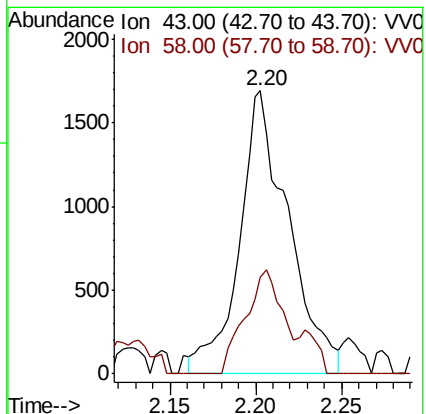
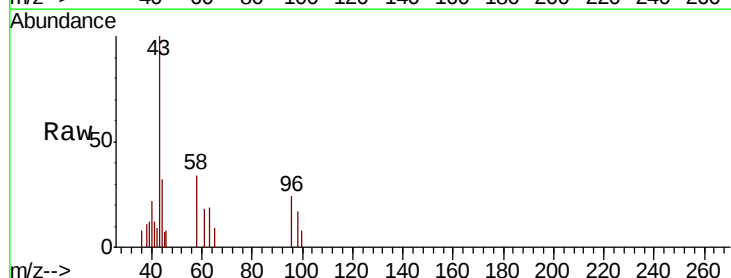
Acq: 12 Apr 2019 00:10

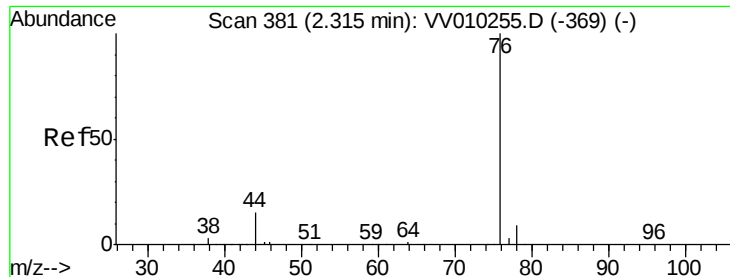
Tgt Ion: 43 Resp: 3345

Ion Ratio Lower Upper

43 100

58 28.0 0.0 61.6





#14

Carbon disulfide

Concen: 0.585 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

Instrument :

MSVOA_V

ClientSampleId :

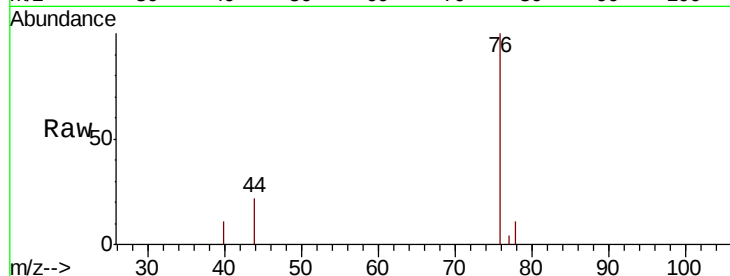
DB6Y3MSD

Tgt Ion: 76 Resp: 5620

Ion Ratio Lower Upper

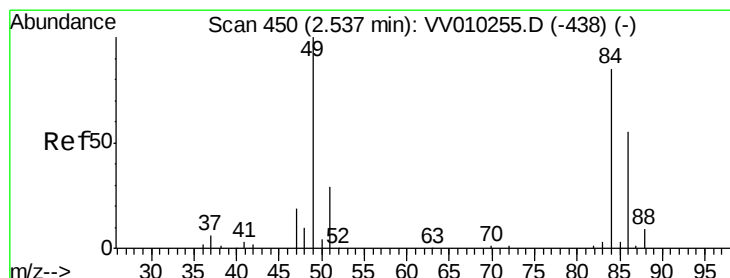
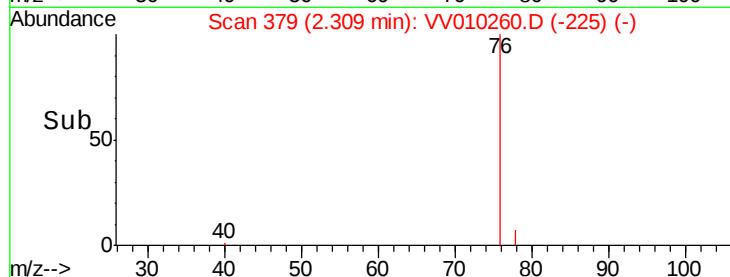
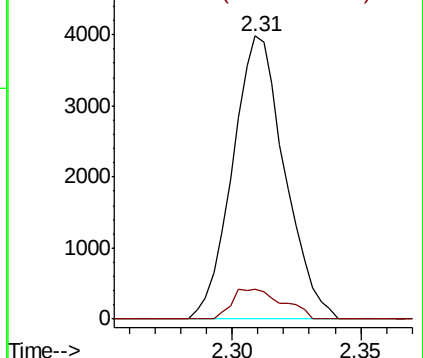
76 100

78 10.6 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VV010255.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010255.D (-369) (-)



#16

Methylene chloride

Concen: 1.911 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.01 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

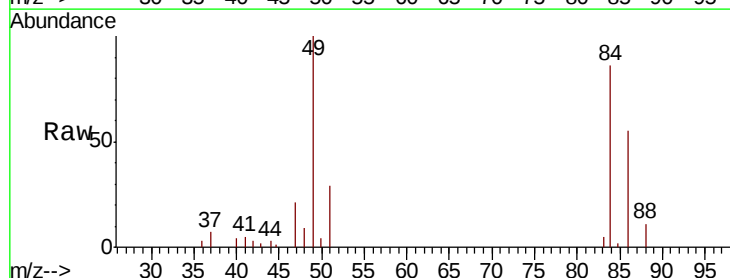
Tgt Ion: 84 Resp: 11279

Ion Ratio Lower Upper

84 100

49 116.6 79.9 148.5

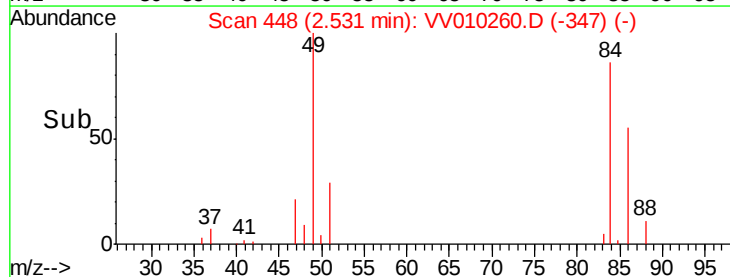
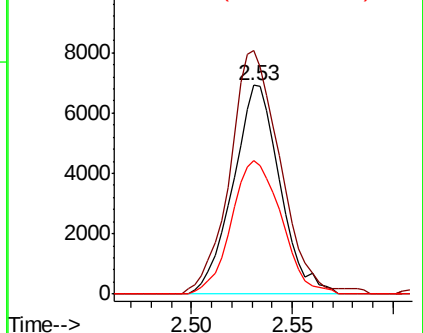
86 63.7 44.5 82.7

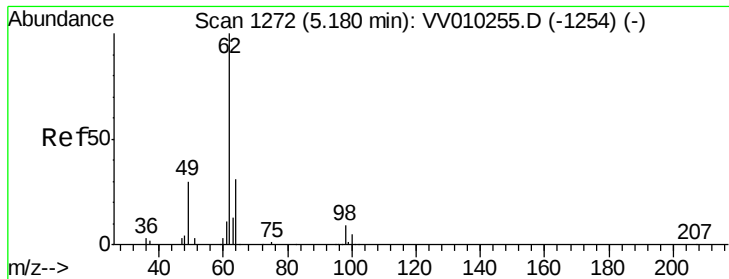


Abundance Ion 84.00 (83.70 to 84.70): VV010255.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010255.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010255.D (-438) (-)





#27

1,2-Dichloroethane

Concen: 0.529 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.04 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

Instrument :

MSVOA_V

ClientSampleId :

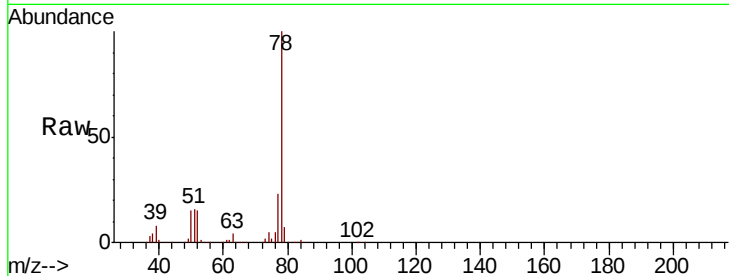
DB6Y3MSD

Tgt Ion: 62 Resp: 2499

Ion Ratio Lower Upper

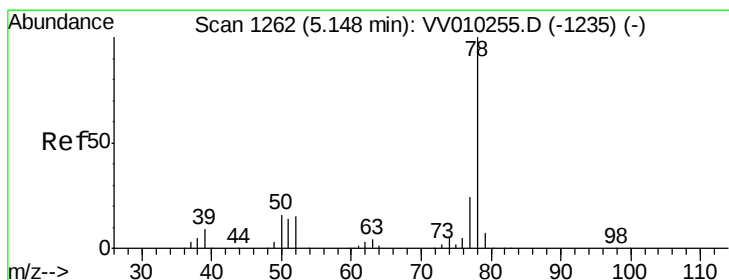
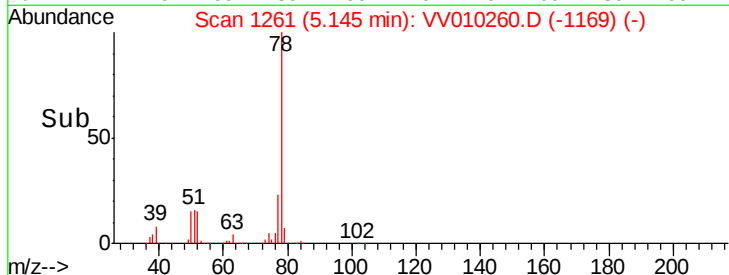
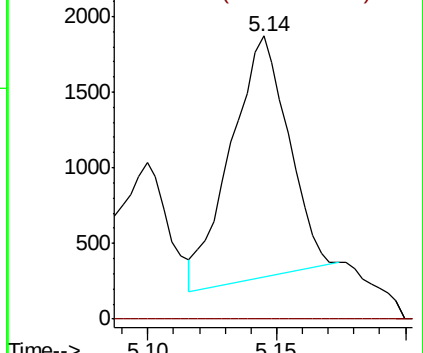
62 100

98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#34

Benzene

Concen: 25.482 ug/L

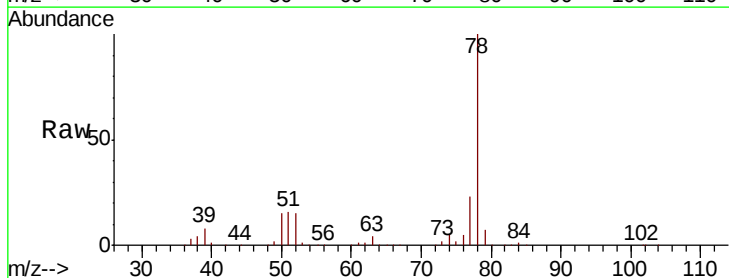
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

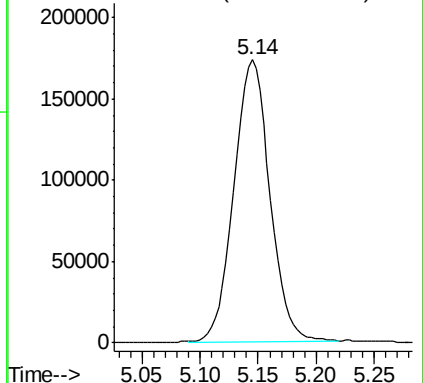
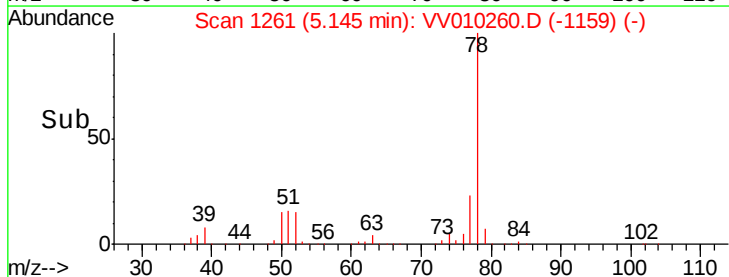
Lab File: VV010260.D

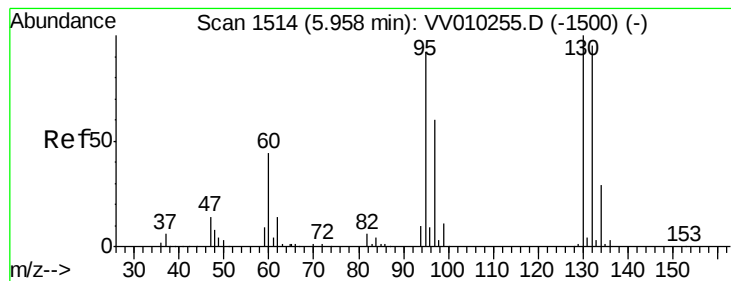
Acq: 12 Apr 2019 00:10

Tgt Ion: 78 Resp: 373568



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.961 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

Instrument :

MSVOA_V

ClientSampleId :

DB6Y3MSD

Tgt Ion: 95 Resp: 101494

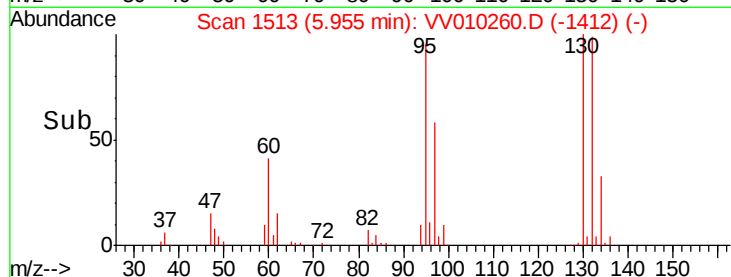
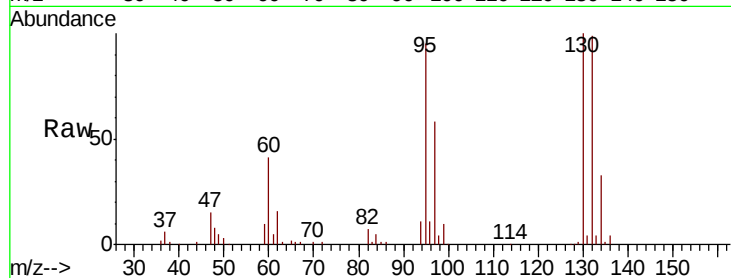
Ion Ratio Lower Upper

95 100

97 62.3 44.3 82.3

132 102.0 71.3 132.3

130 105.5 73.4 136.4

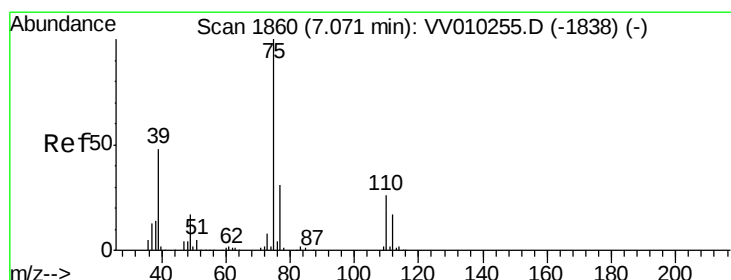
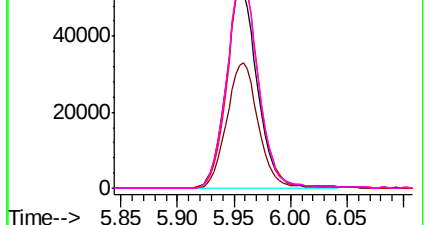


Abundance Ion 95.00 (94.70 to 95.70): VV010255.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV010255.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV010255.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV010255.D (-1500) (-)



#42

cis-1,3-Dichloropropene

Concen: 0.606 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010260.D

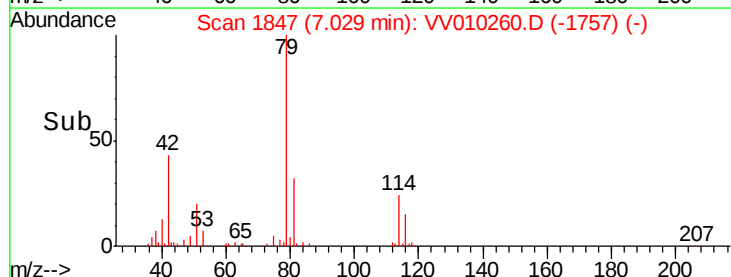
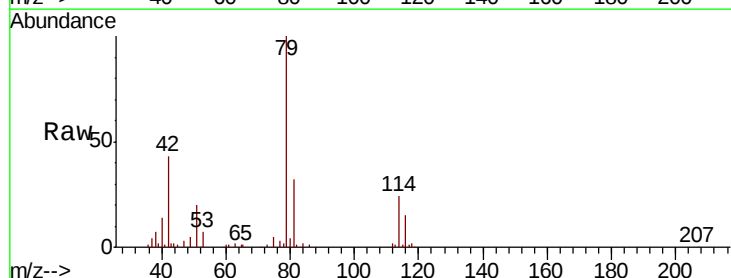
Acq: 12 Apr 2019 00:10

Tgt Ion: 75 Resp: 3293

Ion Ratio Lower Upper

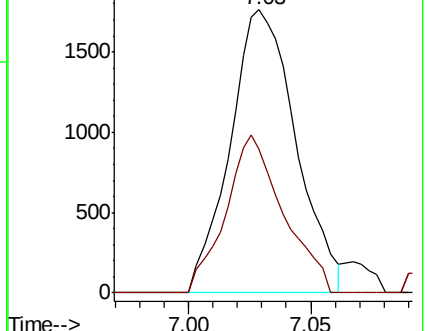
75 100

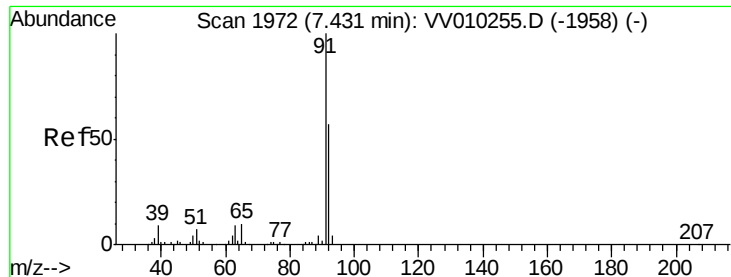
77 51.0 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VV010255.D (-1838) (-)

Ion 77.00 (76.70 to 77.70): VV010255.D (-1838) (-)





#44

Toluene

Concen: 24.900 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

Instrument :

MSVOA_V

ClientSampleId :

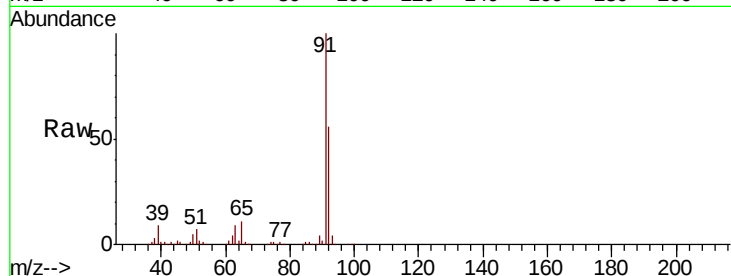
DB6Y3MSD

Tgt Ion: 91 Resp: 410371

Ion Ratio Lower Upper

91 100

92 56.4 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010255.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010255.D (-1958) (-)

7.43

250000

200000

150000

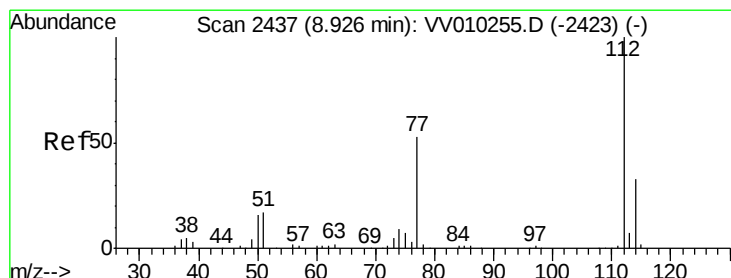
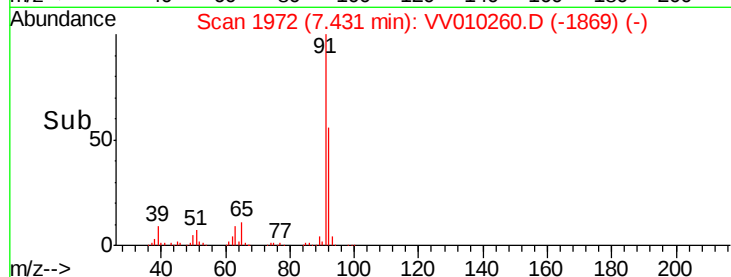
100000

50000

0

7.40 7.50

Time-->



#52

Chlorobenzene

Concen: 24.335 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

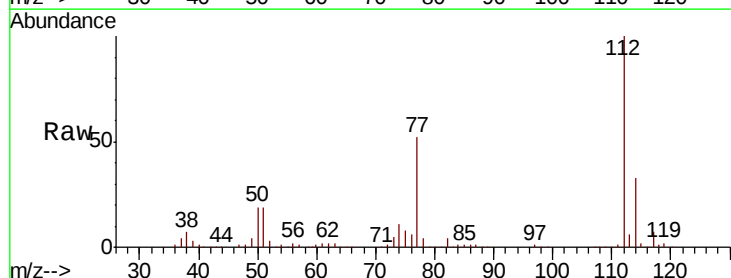
Tgt Ion: 112 Resp: 279860

Ion Ratio Lower Upper

112 100

77 52.5 42.2 63.2

114 32.9 23.4 43.4



Abundance Ion 112.00 (111.70 to 112.70): VV010255.D (-2423) (-)

Ion 77.00 (76.70 to 77.70): VV010255.D (-2423) (-)

Ion 114.00 (113.70 to 114.70): VV010255.D (-2423) (-)

8.92

200000

150000

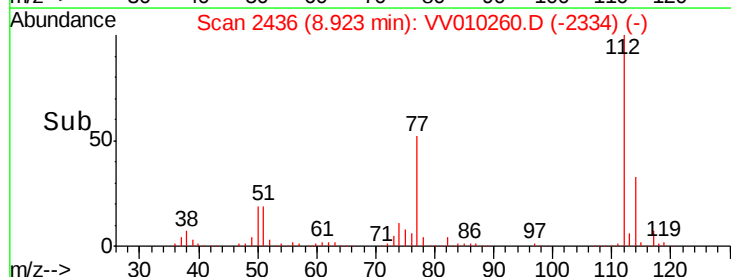
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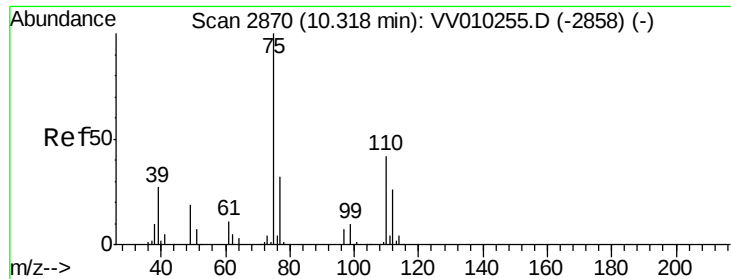
50000

0

8.85 8.90 8.95 9.00

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.984 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010260.D

Acq: 12 Apr 2019 00:10

Instrument :

MSVOA_V

ClientSampleId :

DB6Y3MSD

Tgt Ion: 75 Resp: 16564

Ion Ratio Lower Upper

75 100

77 36.0 26.9 40.3

