

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010259.D
 Acq On : 11 Apr 2019 23:44
 Operator : SY/MD
 Sample : K2278-13MS
 Misc : 5.57G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6Y3MS

Quant Time: Apr 12 04:48:33 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	307094	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	291633	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123962	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	53130	15.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.12%
7) Chloroethane-d5	1.55	69	60780	20.01	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
10) 1,1-Dichloroethene-d2	2.12	63	158238	17.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.36%
20) 2-Butanone-d5	3.92	46	51419	57.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.96%
24) Chloroform-d	4.39	84	161103	22.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.88%
26) 1,2-Dichloroethane-d4	5.07	65	102665	25.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.80%
29) Benzene-d6	5.09	84	329020	23.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.60%
33) 1,2-Dichloropropane-d6	6.11	67	106442	25.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.80%
37) Toluene-d8	7.36	98	299679	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.40%
38) trans-1,3-Dichloropropene-	7.66	79	38162	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.52%
39) 2-Hexanone-d5	8.13	63	35630	49.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	89972	23.97	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	111336	24.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.28%

Target Compounds

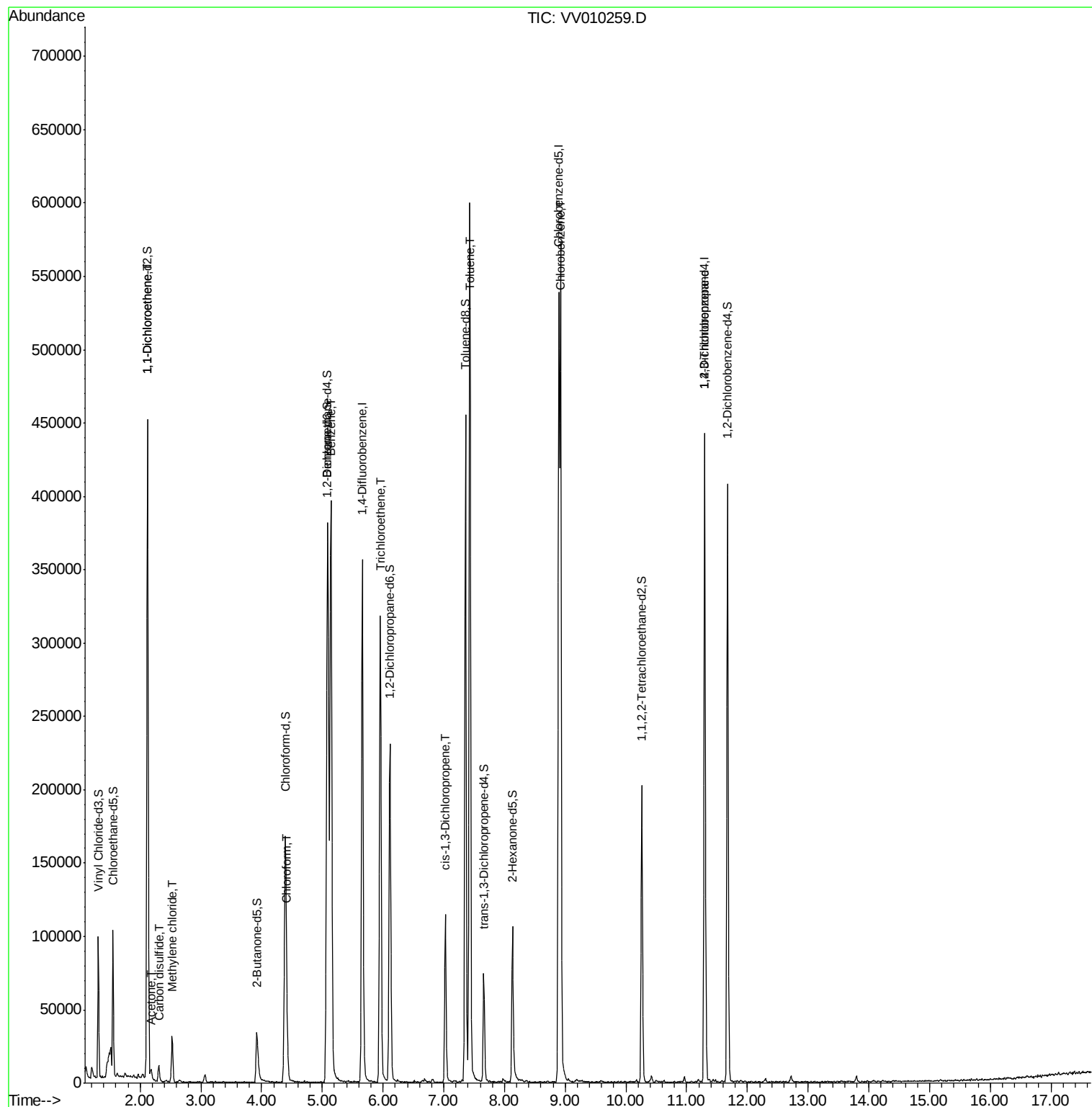
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	84702	20.906	ug/L	96
13) Acetone	2.18	43	4591	4.803	ug/L	94
14) Carbon disulfide	2.31	76	7213	0.737	ug/L	96
16) Methylene chloride	2.53	84	13453	2.237	ug/L	90
25) Chloroform	4.42	83	14269	1.897	ug/L #	73
34) Benzene	5.14	78	382928	25.903	ug/L	100
35) Trichloroethene	5.96	95	106116	24.844	ug/L	99
42) cis-1,3-Dichloropropene	7.03	75	3363	0.613	ug/L #	51
44) Toluene	7.43	91	436142	26.243	ug/L	97
52) Chlorobenzene	8.92	112	291858	25.167	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	14899	5.338	ug/L	90

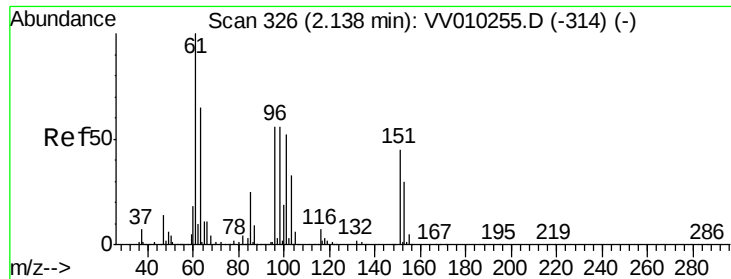
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.906 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

Instrument :

MSVOA_V

ClientSampleId :

DB6Y3MS

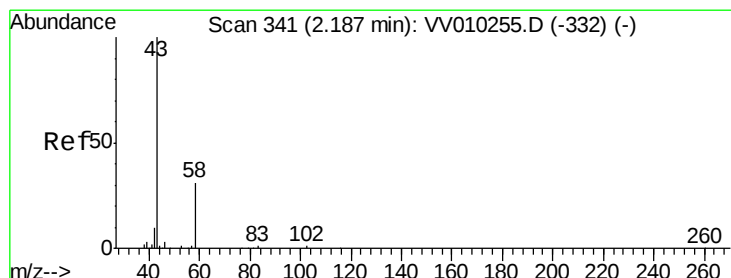
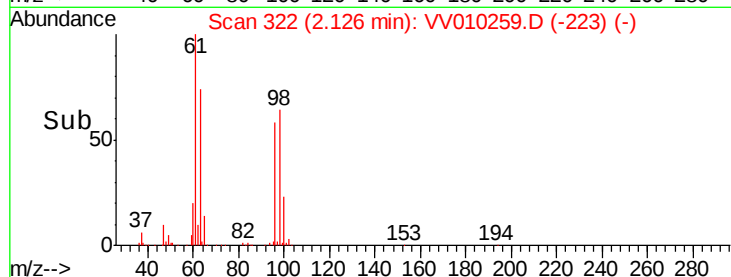
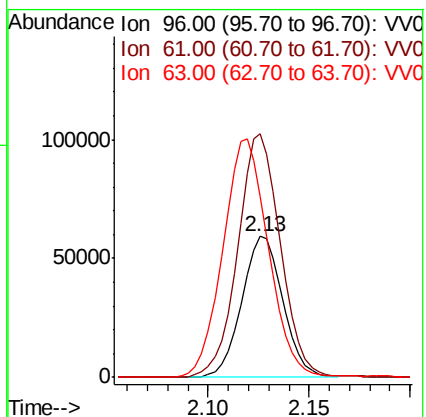
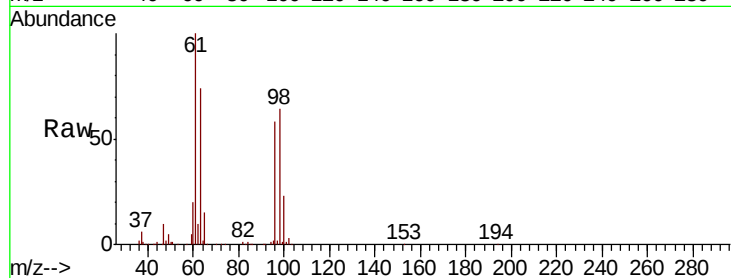
Tgt Ion: 96 Resp: 84702

Ion Ratio Lower Upper

96 100

61 172.5 125.3 232.7

63 127.7 91.3 169.6



#13

Acetone

Concen: 4.803 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV010259.D

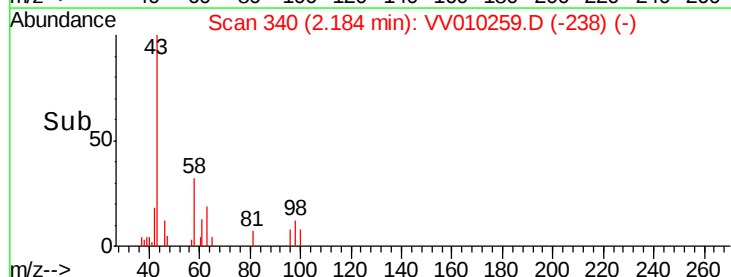
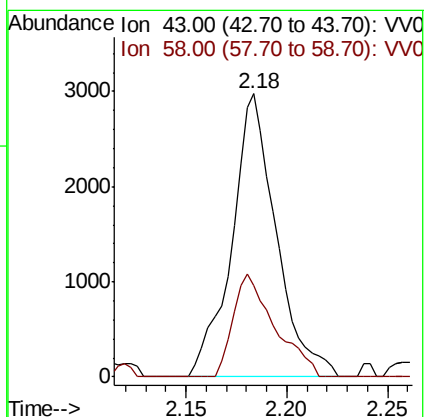
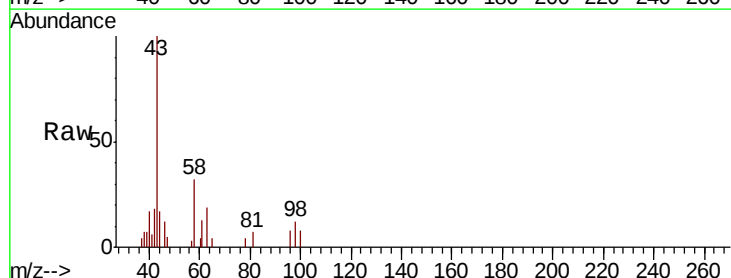
Acq: 11 Apr 2019 23:44

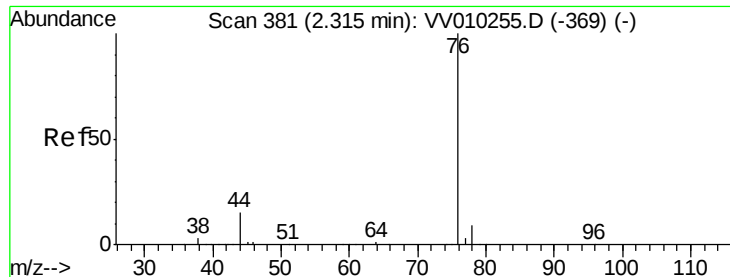
Tgt Ion: 43 Resp: 4591

Ion Ratio Lower Upper

43 100

58 34.1 0.0 61.6





#14

Carbon disulfide

Concen: 0.737 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

Instrument :

MSVOA_V

ClientSampleId :

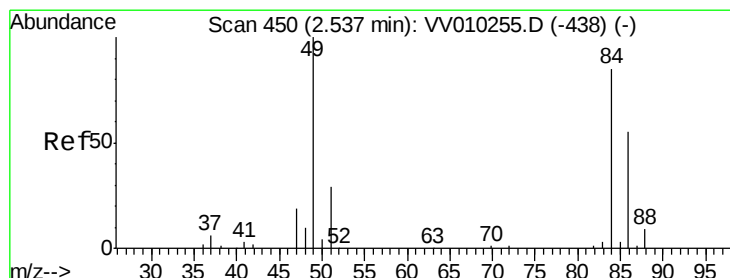
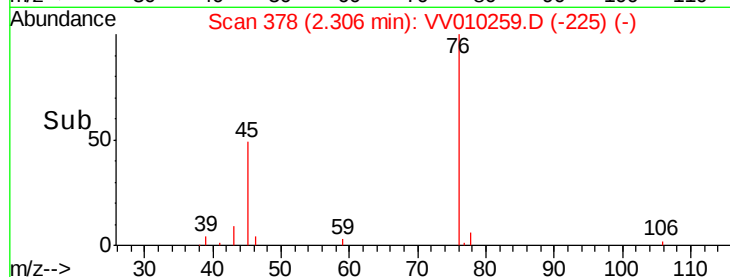
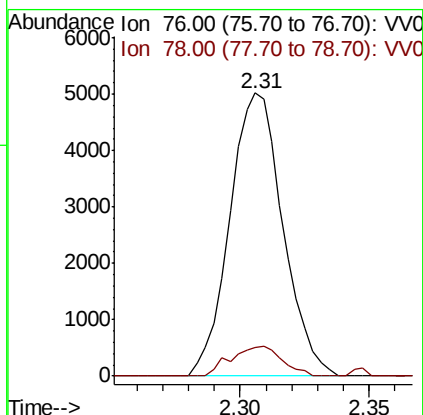
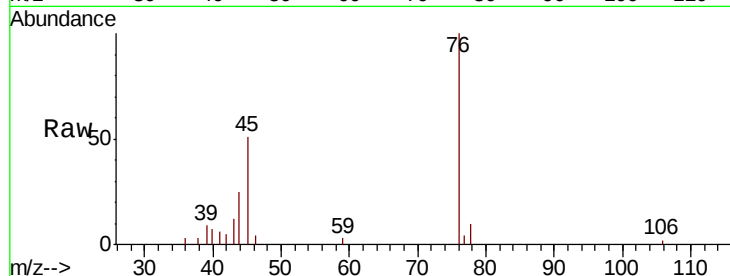
DB6Y3MS

Tgt Ion: 76 Resp: 7213

Ion Ratio Lower Upper

76 100

78 10.1 7.0 10.4



#16

Methylene chloride

Concen: 2.237 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.01 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

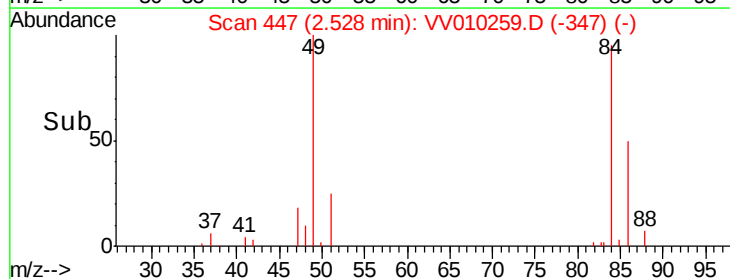
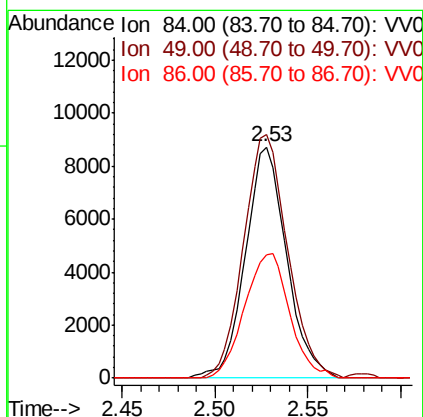
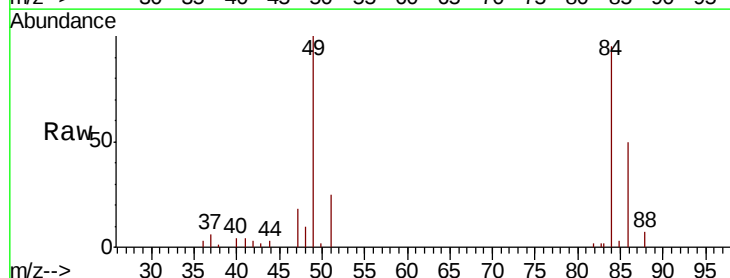
Tgt Ion: 84 Resp: 13453

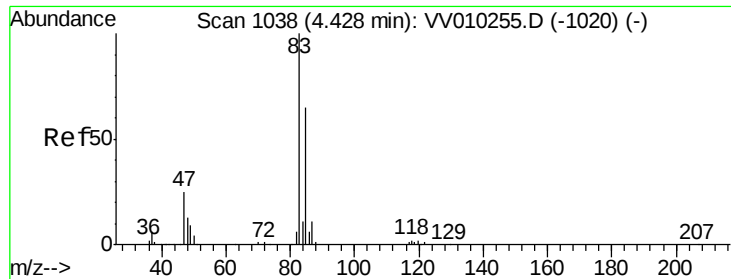
Ion Ratio Lower Upper

84 100

49 105.4 79.9 148.5

86 53.2 44.5 82.7





#25

Chloroform

Concen: 1.897 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

Instrument :

MSVOA_V

ClientSampleId :

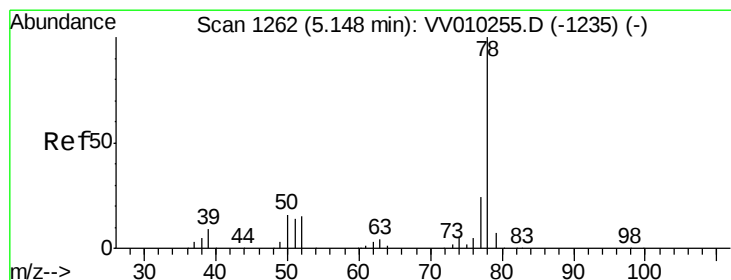
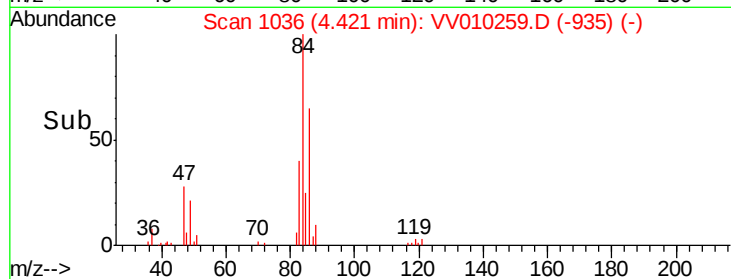
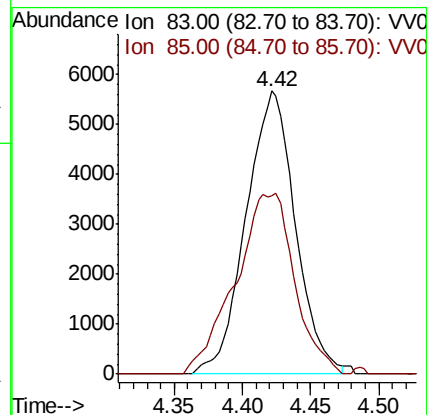
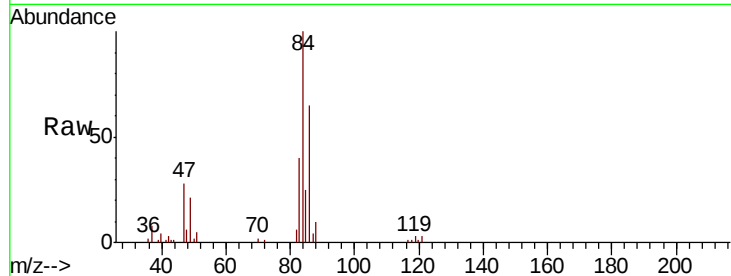
DB6Y3MS

Tgt Ion: 83 Resp: 14269

Ion Ratio Lower Upper

83 100

85 43.7 45.4 84.2#



#34

Benzene

Concen: 25.903 ug/L

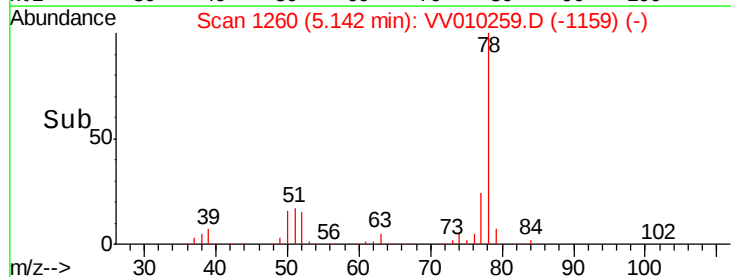
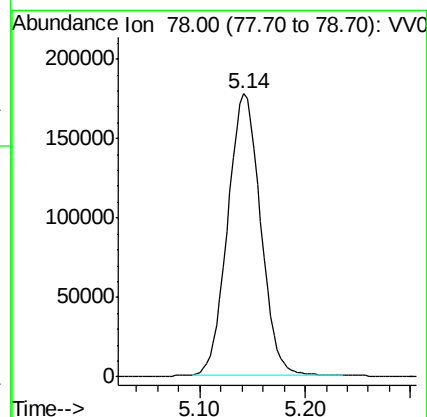
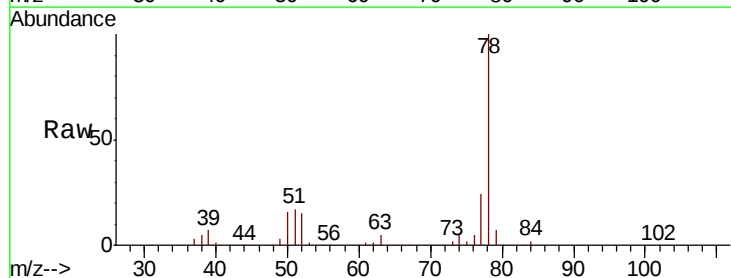
RT: 5.14 min Scan# 1260

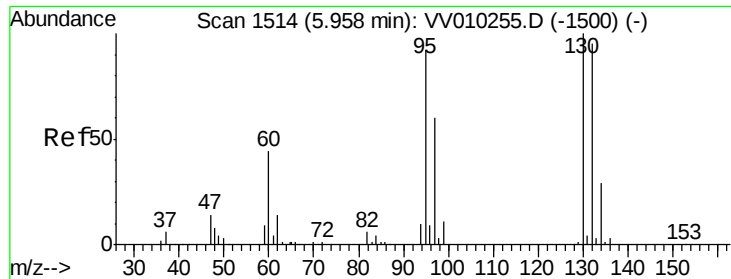
Delta R.T. -0.01 min

Lab File: VV010259.D

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Tgt Ion: 78 Resp: 382928

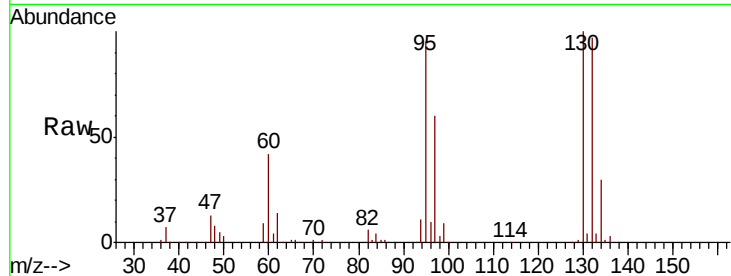




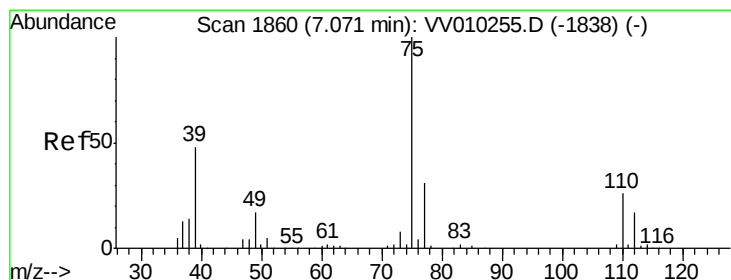
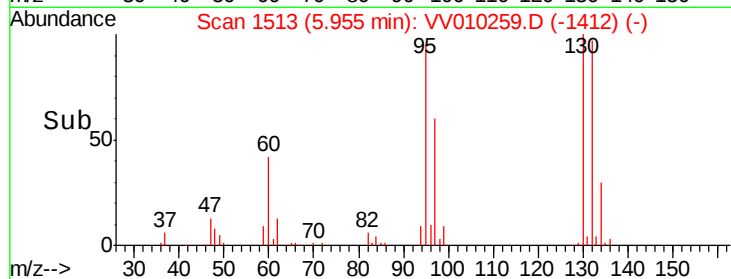
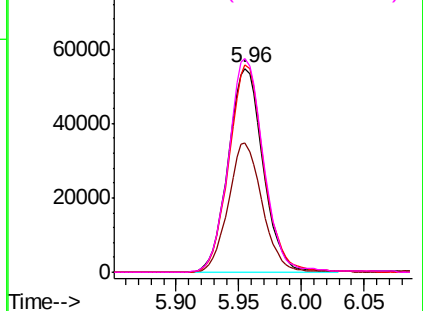
#35
 Trichloroethene
 Concen: 24.844 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: VV010259.D
 Acq: 11 Apr 2019 23:44

Instrument :
 MSVOA_V
 ClientSampleId :
 DB6Y3MS

Tgt Ion:	95	Resp:	106116
Ion	Ratio	Lower	Upper
95	100		
97	61.2	44.3	82.3
132	101.2	71.3	132.3
130	105.2	73.4	136.4

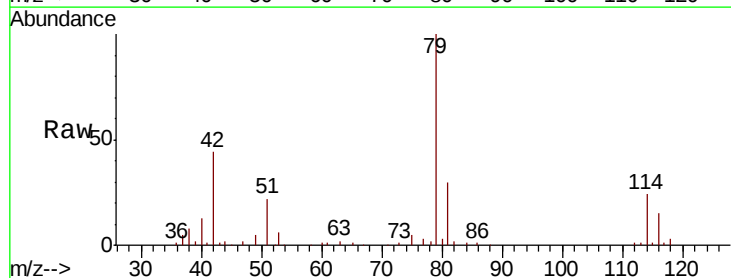


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

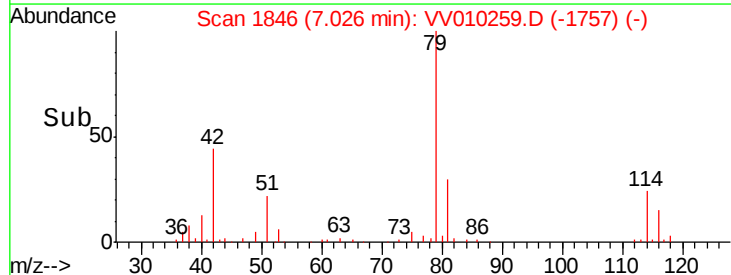
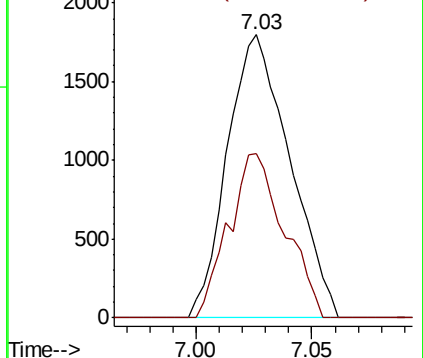


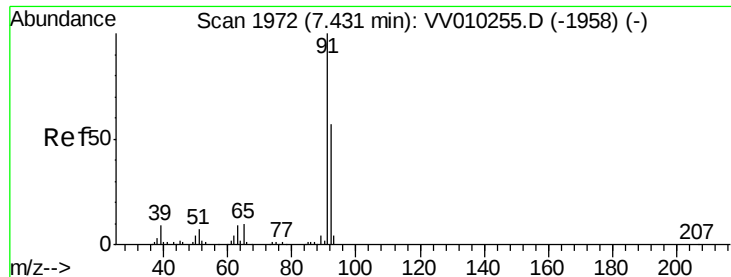
#42
 cis-1,3-Dichloropropene
 Concen: 0.613 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV010259.D
 Acq: 11 Apr 2019 23:44

Tgt Ion:	75	Resp:	3363
Ion	Ratio	Lower	Upper
75	100		
77	58.2	21.9	40.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0





#44

Toluene

Concen: 26.243 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

Instrument :

MSVOA_V

ClientSampleId :

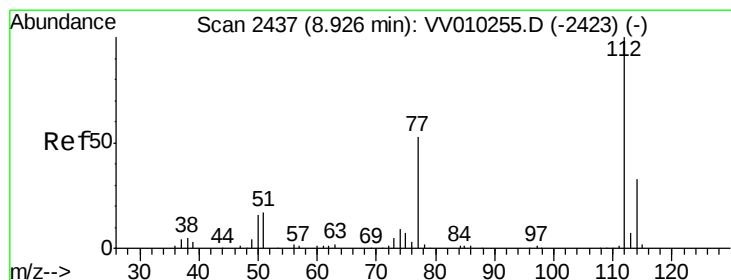
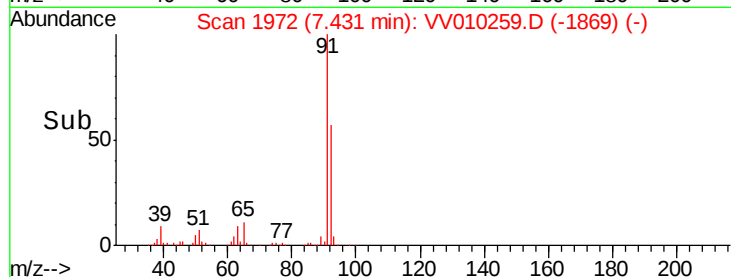
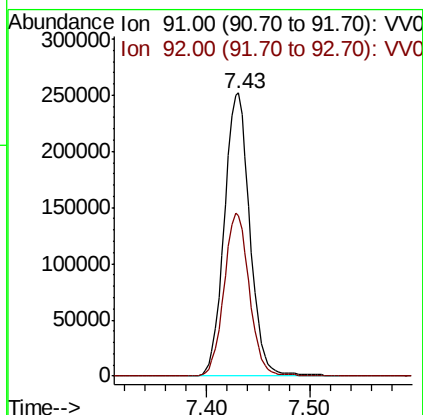
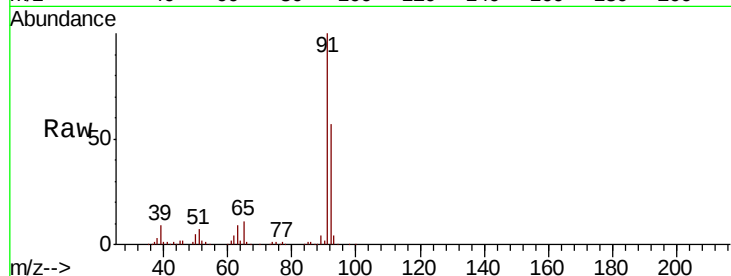
DB6Y3MS

Tgt Ion: 91 Resp: 436142

Ion Ratio Lower Upper

91 100

92 56.5 41.0 76.2



#52

Chlorobenzene

Concen: 25.167 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

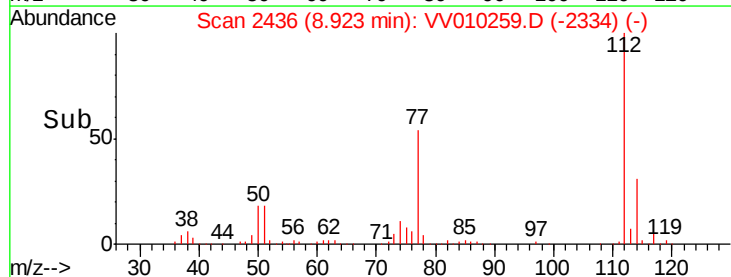
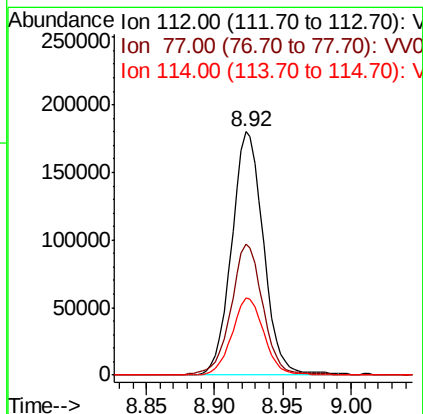
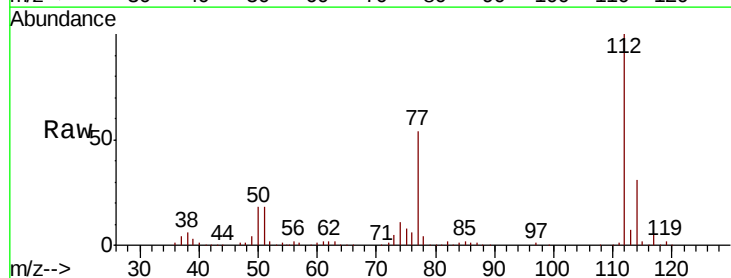
Tgt Ion: 112 Resp: 291858

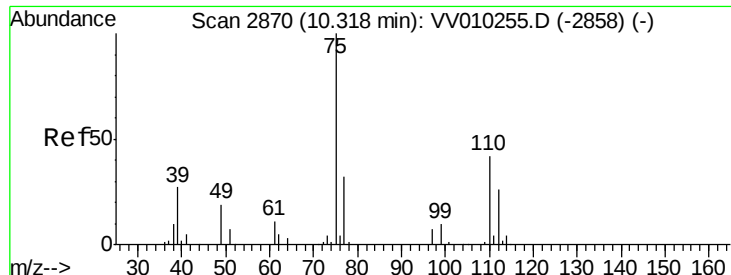
Ion Ratio Lower Upper

112 100

77 54.0 42.2 63.2

114 31.5 23.4 43.4





#59

1,2,3-Trichloropropane

Concen: 5.338 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010259.D

Acq: 11 Apr 2019 23:44

Instrument :

MSVOA_V

ClientSampleId :

DB6Y3MS

Tgt Ion: 75 Resp: 14899

Ion Ratio Lower Upper

75 100

77 39.6 26.9 40.3

