

Data File : VV010281.D
Acq On : 12 Apr 2019 12:27
Operator : SY/MD
Sample : K2328-19MS
Misc : 4.03G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB733MS

Quant Time: Apr 13 04:50:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 04:47:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	228463	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	214492	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91061	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42460	16.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.60%
7) Chloroethane-d5	1.57	69	44590	19.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.92%
10) 1,1-Dichloroethene-d2	2.13	63	129227	19.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.20%
20) 2-Butanone-d5	3.93	46	27943	41.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.98%
24) Chloroform-d	4.40	84	113764	21.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.24%
26) 1,2-Dichloroethane-d4	5.08	65	62741	21.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.44%
29) Benzene-d6	5.10	84	220045	21.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.12%
33) 1,2-Dichloropropane-d6	6.12	67	67812	22.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.16%
37) Toluene-d8	7.36	98	212309	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.20%
38) trans-1,3-Dichloropropene-	7.66	79	24675	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.96%
39) 2-Hexanone-d5	8.13	63	18399	34.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54930	19.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	75742	22.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.08%

Target Compounds

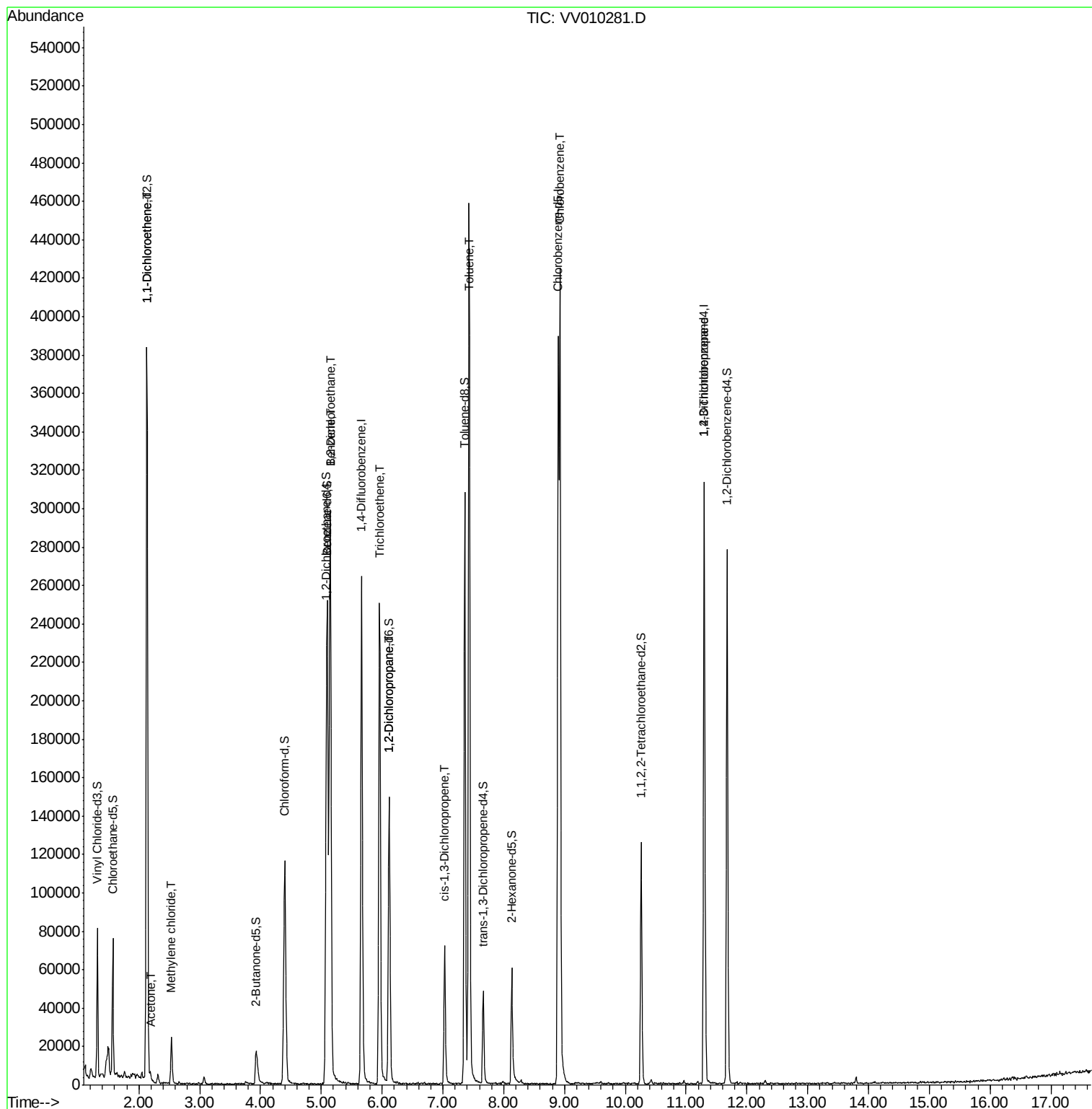
						Qvalue
12) 1,1-Dichloroethene	2.14	96	79269	26.298	ug/L	94
13) Acetone	2.19	43	2557	3.596	ug/L	98
16) Methylene chloride	2.53	84	10331	2.309	ug/L	95
27) 1,2-Dichloroethane	5.14	62	2464	0.688	ug/L #	74
34) Benzene	5.15	78	296598	27.279	ug/L	100
35) Trichloroethene	5.96	95	83275	26.508	ug/L	99
40) 1,2-Dichloropropane	6.12	63	8063	3.031	ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	2187	0.542	ug/L #	73
44) Toluene	7.43	91	335866	27.478	ug/L	99
52) Chlorobenzene	8.93	112	223391	26.191	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	10999	5.358	ug/L #	88

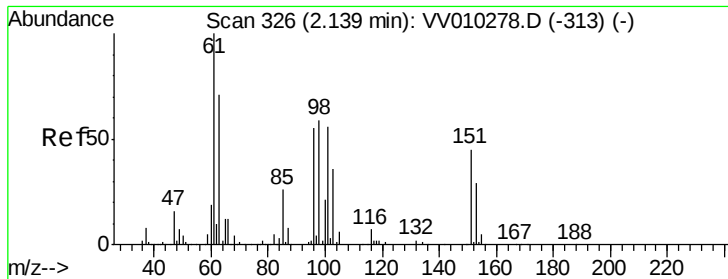
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 26.298 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

Instrument :

MSVOA_V

ClientSampleId :

DB733MS

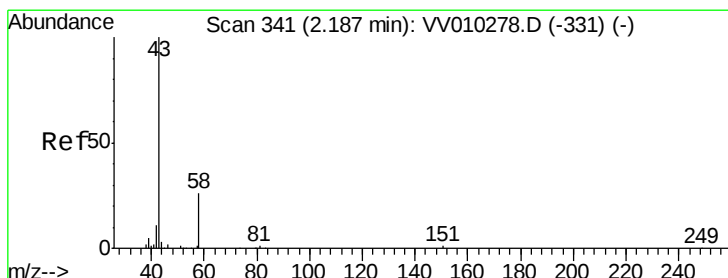
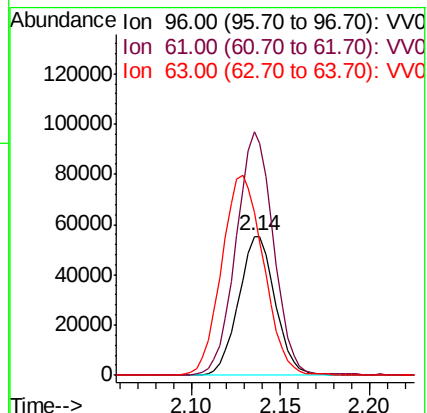
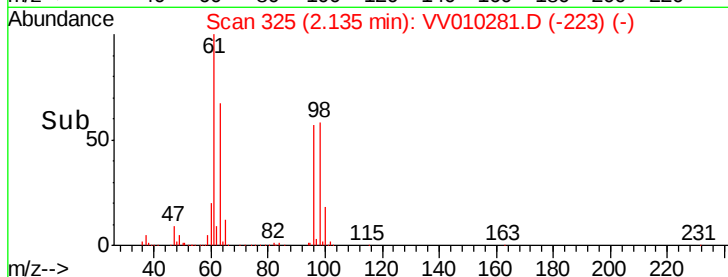
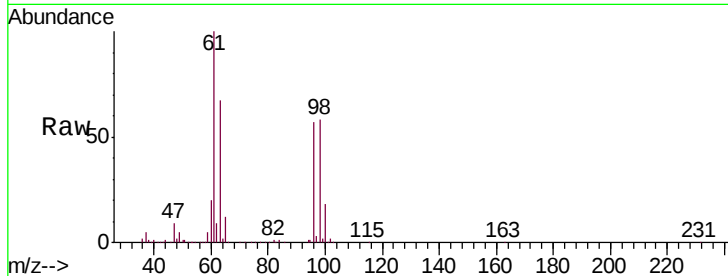
Tgt Ion: 96 Resp: 79269

Ion Ratio Lower Upper

96 100

61 175.1 125.3 232.7

63 117.2 91.3 169.6



#13

Acetone

Concen: 3.596 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010281.D

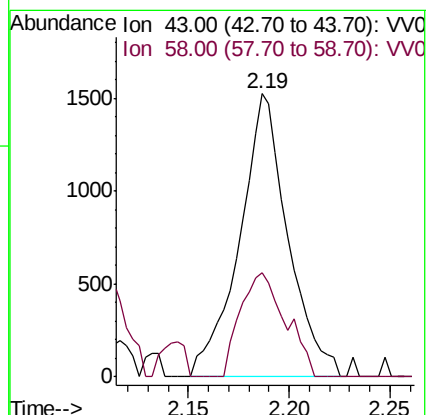
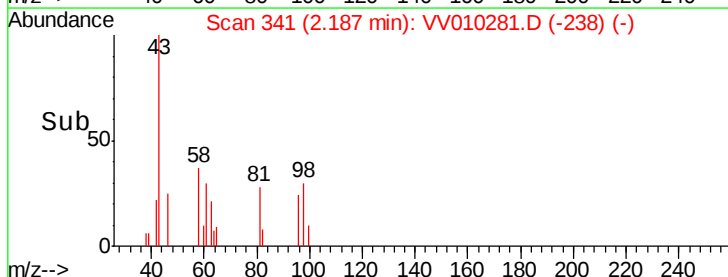
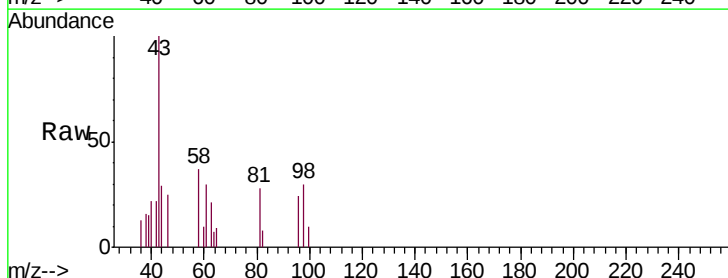
Acq: 12 Apr 2019 12:27

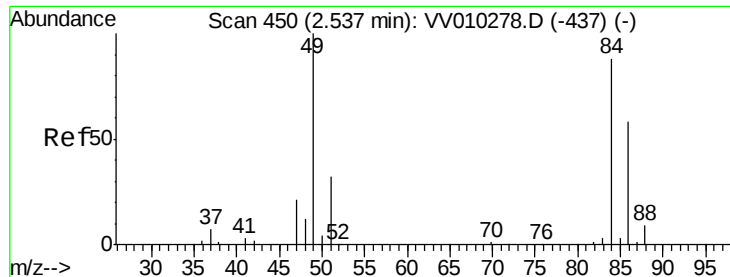
Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.6

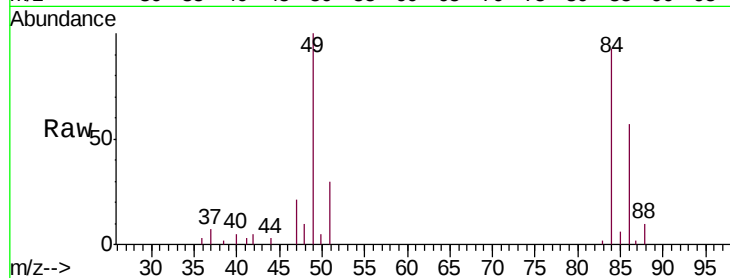




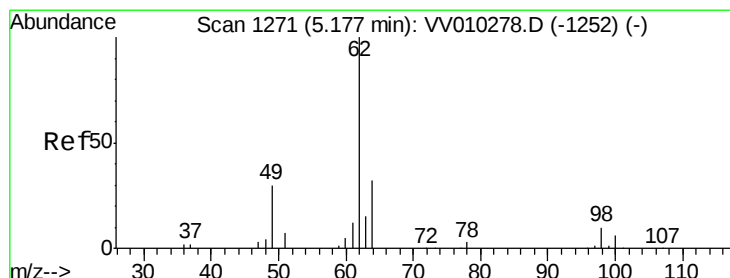
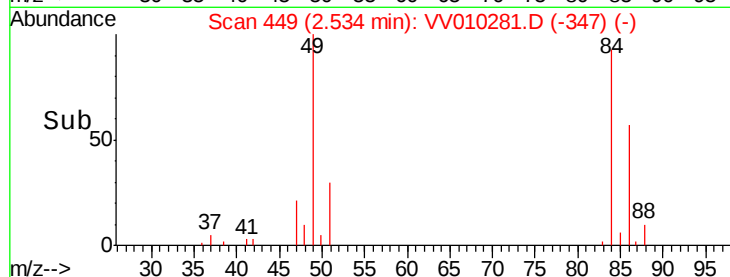
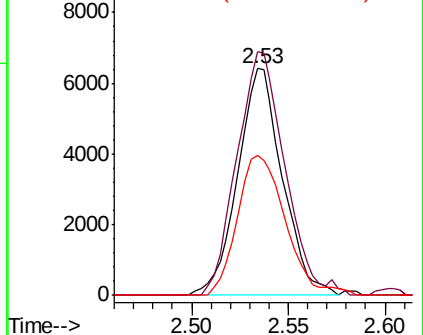
#16
Methylene chloride
Concen: 2.309 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010281.D
Acq: 12 Apr 2019 12:27

Instrument :
MSVOA_V
ClientSampleId :
DB733MS

Tgt Ion: 84 Resp: 10331
Ion Ratio Lower Upper
84 100
49 107.3 79.9 148.5
86 61.5 44.5 82.7

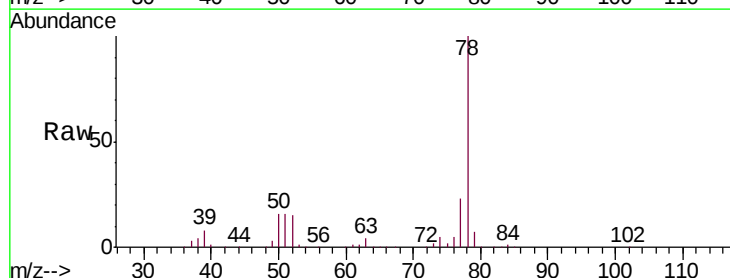


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 49.00 (48.70 to 49.70): VV0
Ion 86.00 (85.70 to 86.70): VV0

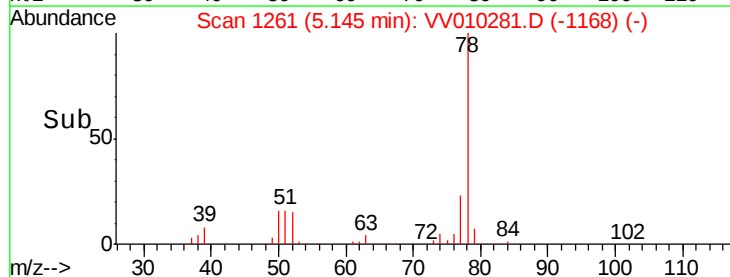
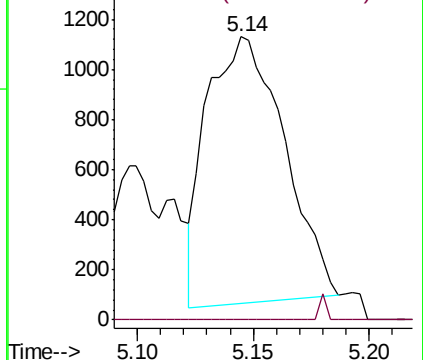


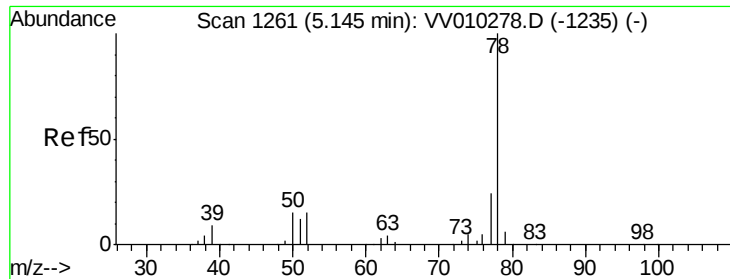
#27
1,2-Dichloroethane
Concen: 0.688 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VV010281.D
Acq: 12 Apr 2019 12:27

Tgt Ion: 62 Resp: 2464
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: 27.279 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

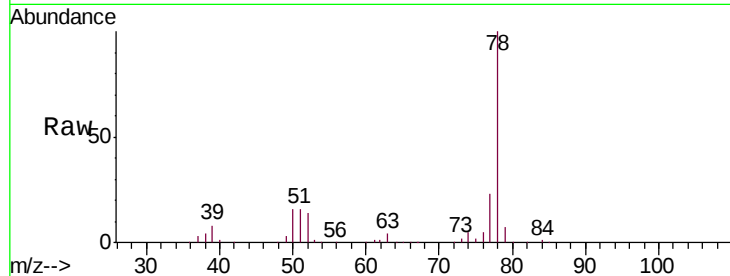
Instrument :

MSVOA_V

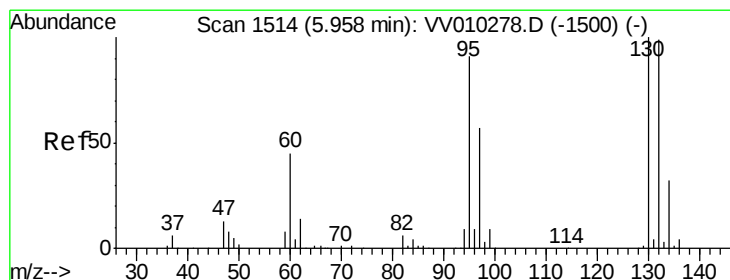
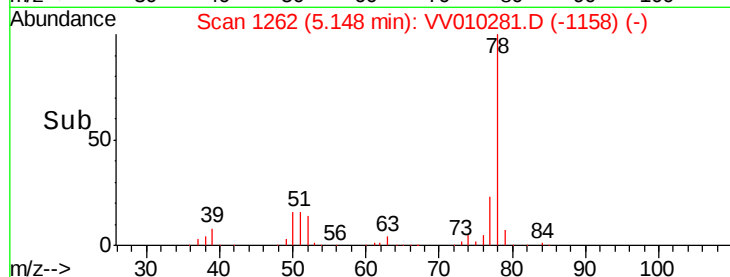
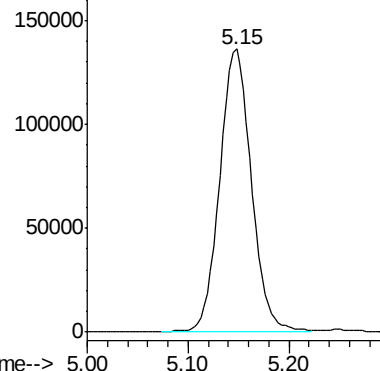
ClientSampleId :

DB733MS

Tgt Ion: 78 Resp: 296598



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 26.508 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

Tgt Ion: 95 Resp: 83275

Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.3	82.3
132	102.4	71.3	132.3
130	106.1	73.4	136.4

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

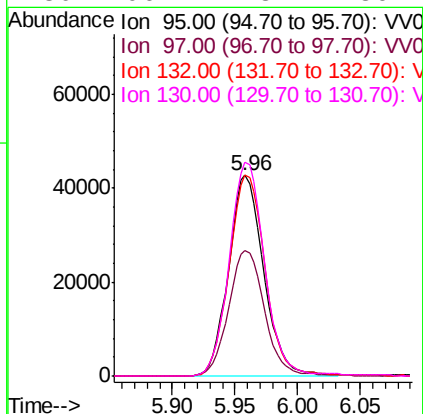
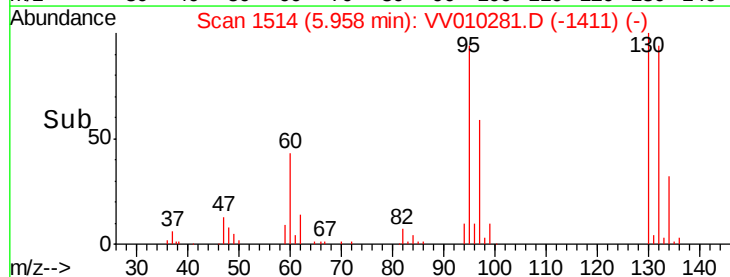
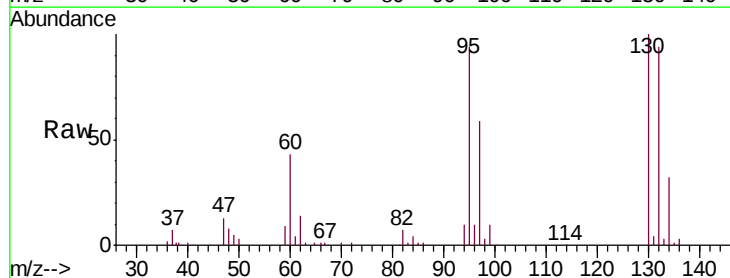
Ion 130.00 (129.70 to 130.70): VV0

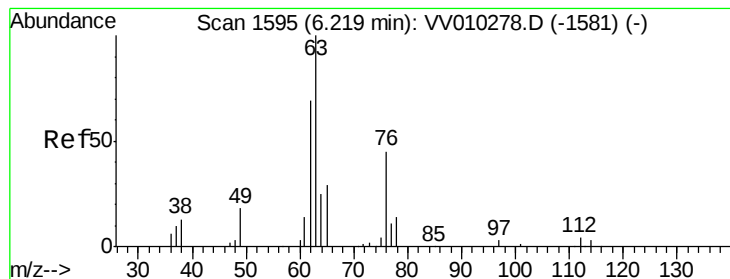
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#40

1,2-Dichloropropane

Concen: 3.031 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

Instrument :

MSVOA_V

ClientSampleId :

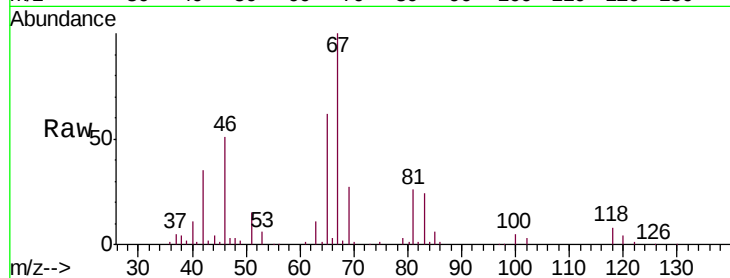
DB733MS

Tgt Ion: 63 Resp: 8063

Ion Ratio Lower Upper

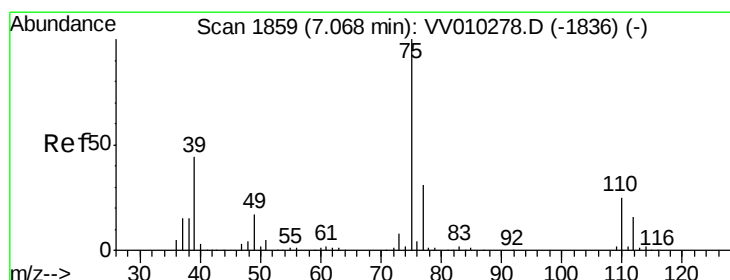
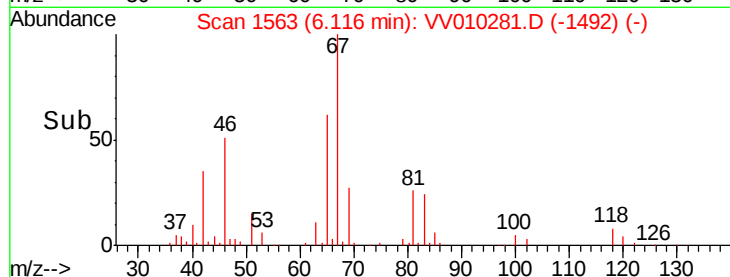
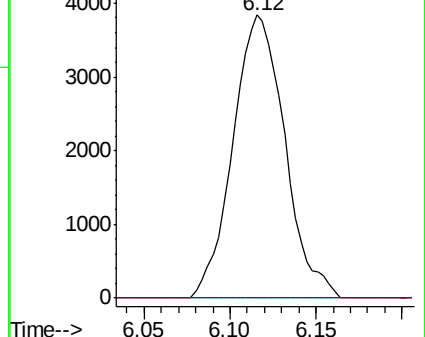
63 100

112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VV010278.D (-1581) (-)

Ion 112.00 (111.70 to 112.70): VV010278.D (-1581) (-)



#42

cis-1,3-Dichloropropene

Concen: 0.542 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV010281.D

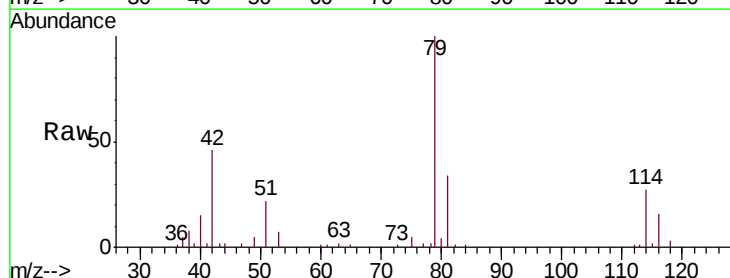
Acq: 12 Apr 2019 12:27

Tgt Ion: 75 Resp: 2187

Ion Ratio Lower Upper

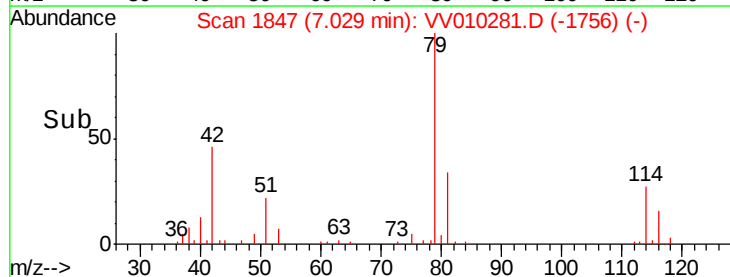
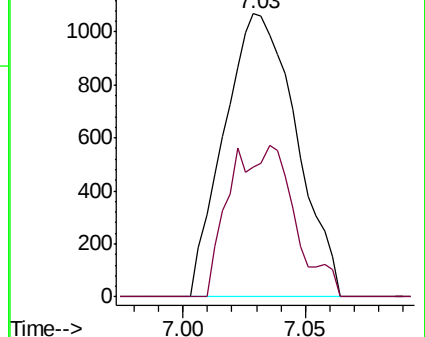
75 100

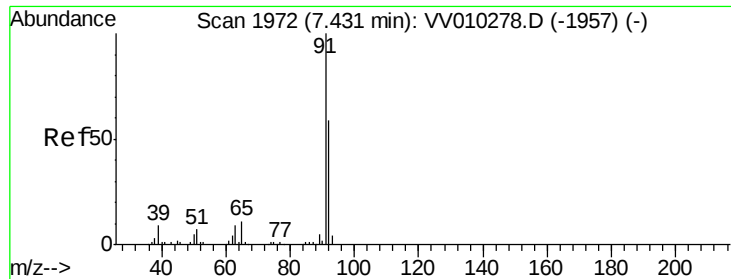
77 46.1 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VV010278.D (-1836) (-)

Ion 77.00 (76.70 to 77.70): VV010278.D (-1836) (-)





#44

Toluene

Concen: 27.478 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

Instrument :

MSVOA_V

ClientSampleId :

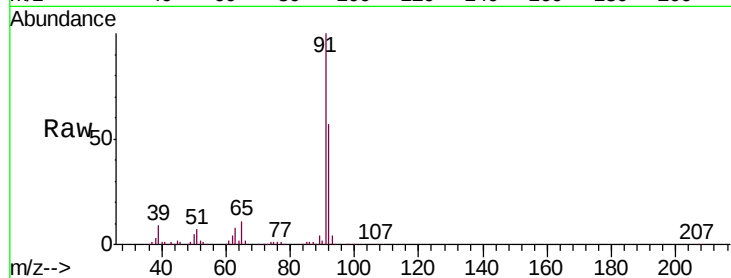
DB733MS

Tgt Ion: 91 Resp: 335866

Ion Ratio Lower Upper

91 100

92 57.5 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010281.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV010281.D (-1869) (-)

7.43

200000

150000

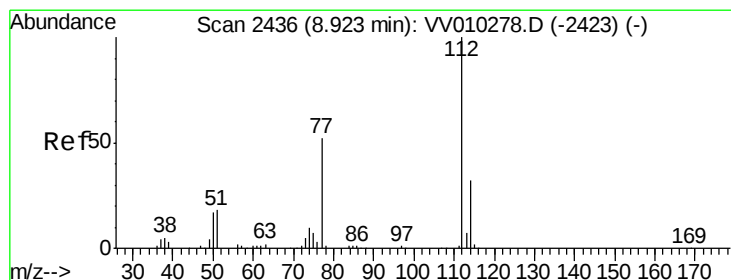
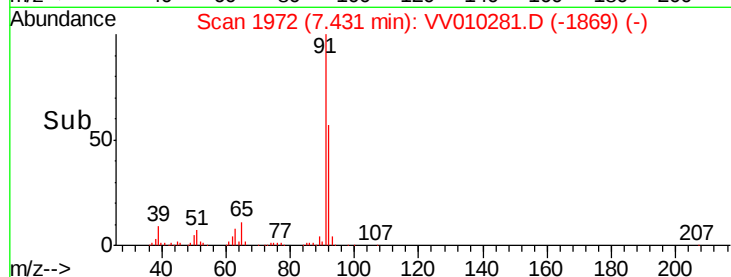
100000

50000

0

7.40 7.45 7.50 7.55 7.60

Time-->



#52

Chlorobenzene

Concen: 26.191 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

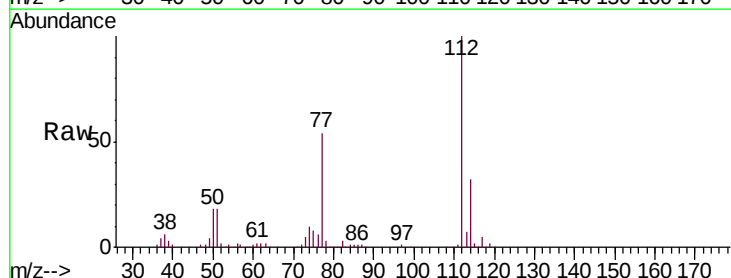
Tgt Ion: 112 Resp: 223391

Ion Ratio Lower Upper

112 100

77 54.1 42.2 63.2

114 31.7 23.4 43.4



Abundance Ion 112.00 (111.70 to 112.70): VV010281.D (-2333) (-)

Ion 77.00 (76.70 to 77.70): VV010281.D (-2333) (-)

Ion 114.00 (113.70 to 114.70): VV010281.D (-2333) (-)

8.93

150000

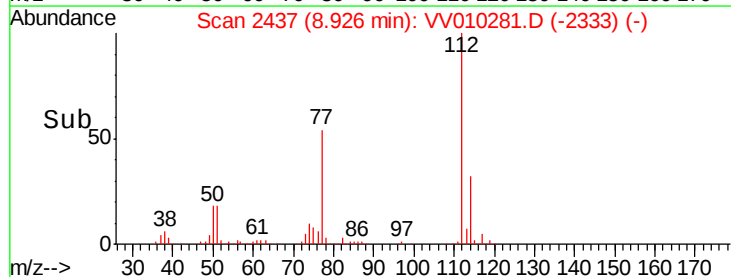
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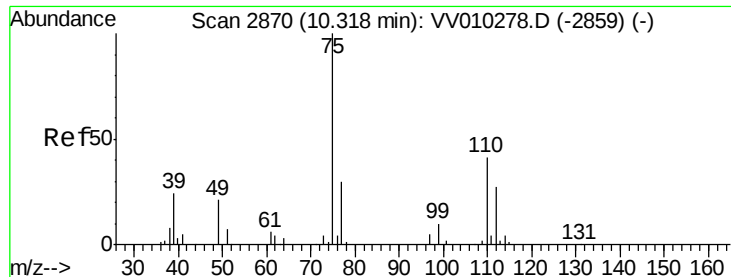
50000

0

8.80 8.85 8.90 8.95 9.00 9.05 9.10

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.358 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010281.D

Acq: 12 Apr 2019 12:27

Instrument :

MSVOA_V

ClientSampleId :

DB733MS

Tgt Ion: 75 Resp: 10999

Ion Ratio Lower Upper

75 100

77 40.5 26.9 40.3#

