

Data File : VV010678.D
Acq On : 06 May 2019 15:14
Operator : SY/MD
Sample : K2603-03MSD
Misc : 5.02G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:05:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Tue May 07 04:01:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	86697	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	86092	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35942	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15160	13.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.24%
7) Chloroethane-d5	1.58	69	12676	16.50	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.00%
10) 1,1-Dichloroethene-d2	2.13	63	33110	17.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.80%
20) 2-Butanone-d5	3.94	46	9935	29.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.50%
24) Chloroform-d	4.40	84	47402	21.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.68%
26) 1,2-Dichloroethane-d4	5.08	65	25764	20.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.32%
29) Benzene-d6	5.10	84	99538	22.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.24%
33) 1,2-Dichloropropane-d6	6.12	67	30930	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.52%
37) Toluene-d8	7.36	98	93704	21.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.44%
38) trans-1,3-Dichloropropene-	7.67	79	10502	18.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.36%
39) 2-Hexanone-d5	8.13	63	7991	32.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	23557	19.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	76.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	34843	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

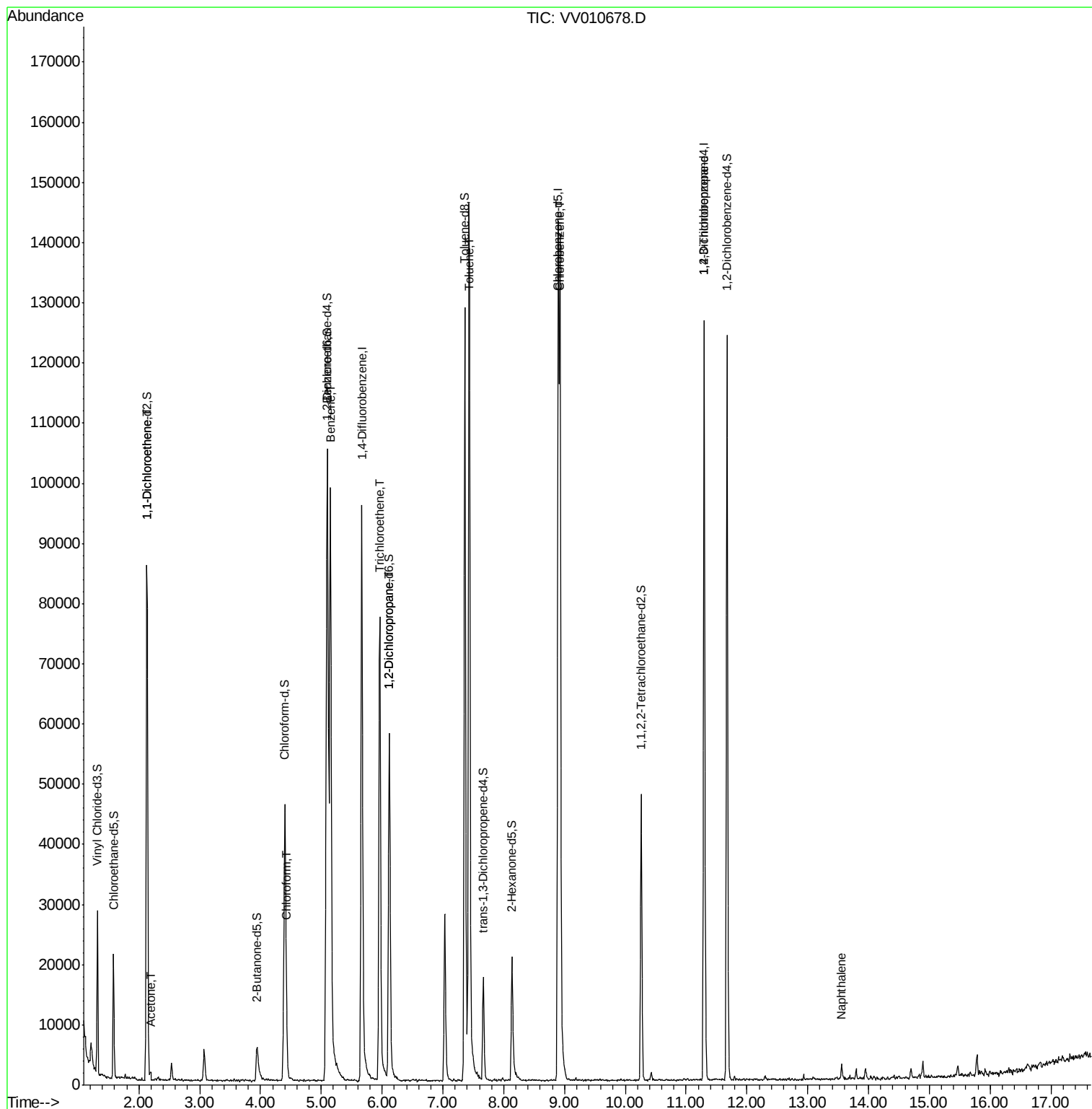
Target Compounds

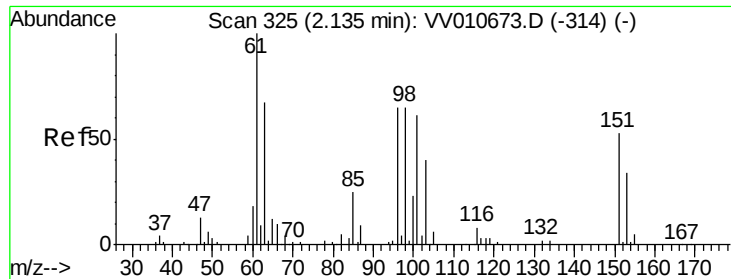
						Qvalue
12) 1,1-Dichloroethene	2.14	96	16639	19.977	ug/L	92
13) Acetone	2.20	43	950	3.318	ug/L	88
25) Chloroform	4.43	83	2125	0.994	ug/L	88
34) Benzene	5.15	78	101511	24.665	ug/L	100
35) Trichloroethene	5.96	95	27929	23.792	ug/L	97
40) 1,2-Dichloropropane	6.12	63	3388	3.165	ug/L #	87
44) Toluene	7.43	91	114390	25.184	ug/L	99
52) Chlorobenzene	8.93	112	79773	25.165	ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	4294	5.119	ug/L	96
69) Naphthalene	13.55	128	2377	1.035	ug/L #	93

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

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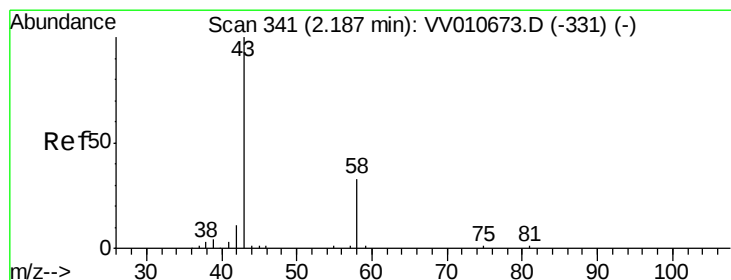
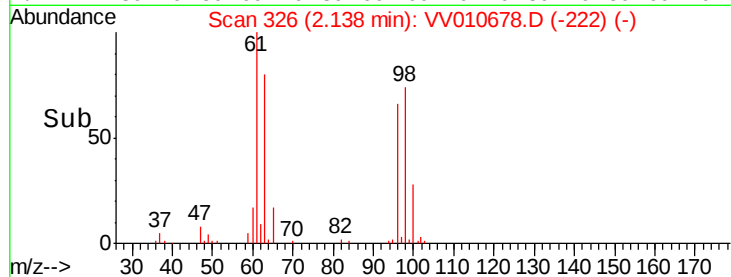
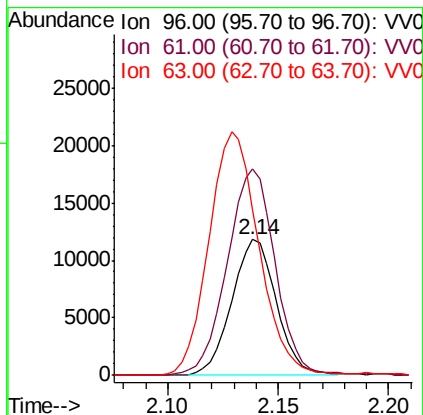
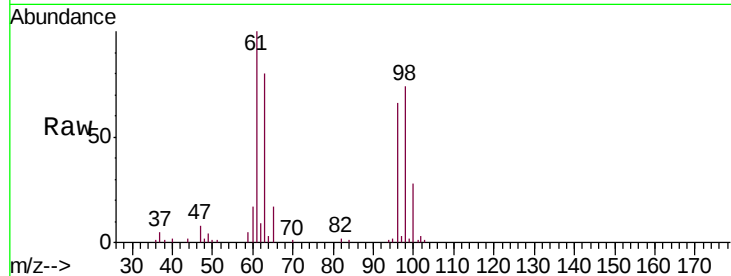
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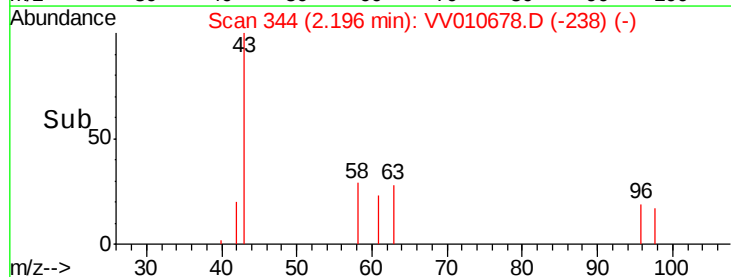
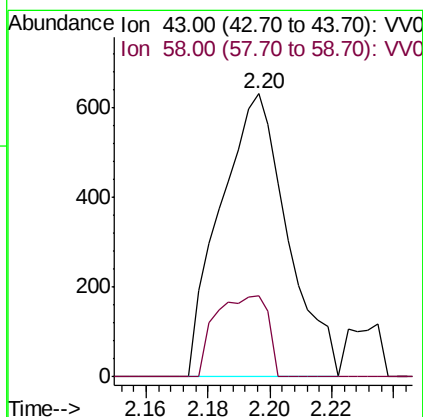
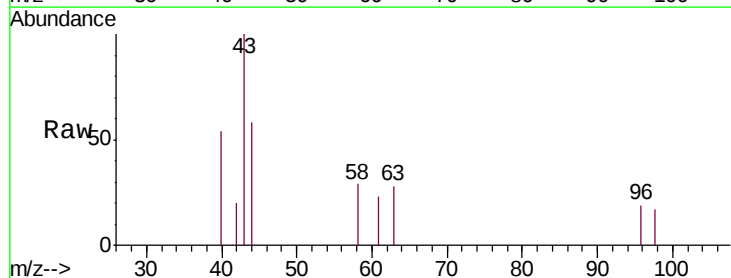
#12
 1,1-Dichloroethene
 Concen: 19.977 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VV010678.D
 Acq: 06 May 2019 15:14

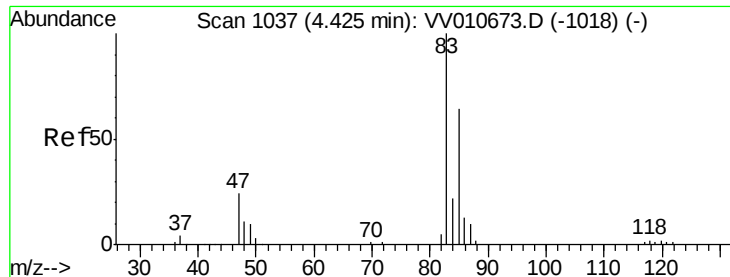
Tgt Ion: 96 Resp: 16639
 Ion Ratio Lower Upper
 96 100
 61 152.2 111.1 206.3
 63 121.9 95.2 176.8



#13
 Acetone
 Concen: 3.318 ug/L
 RT: 2.20 min Scan# 344
 Delta R.T. 0.01 min
 Lab File: VV010678.D
 Acq: 06 May 2019 15:14

Tgt Ion: 43 Resp: 950
 Ion Ratio Lower Upper
 43 100
 58 22.5 0.0 58.2





#25

Chloroform

Concen: 0.994 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV010678.D

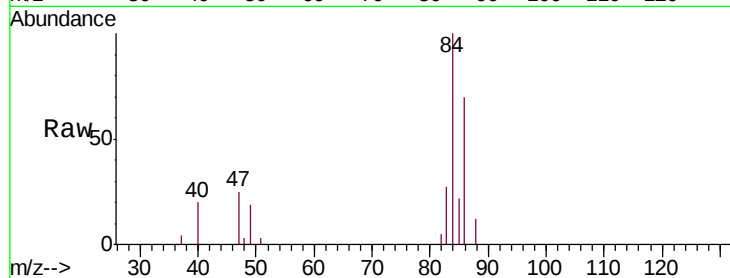
Acq: 06 May 2019 15:14

Tgt Ion: 83 Resp: 2125

Ion Ratio Lower Upper

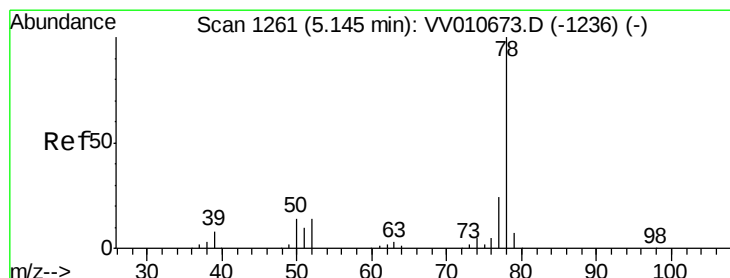
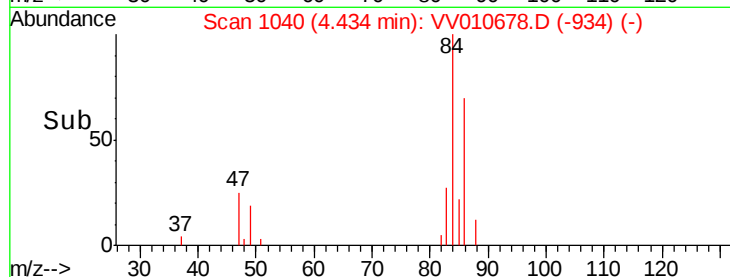
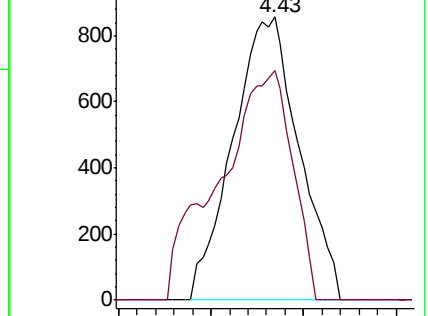
83 100

85 76.0 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#34

Benzene

Concen: 24.665 ug/L

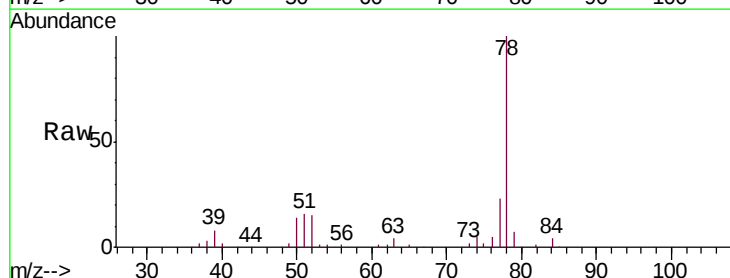
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

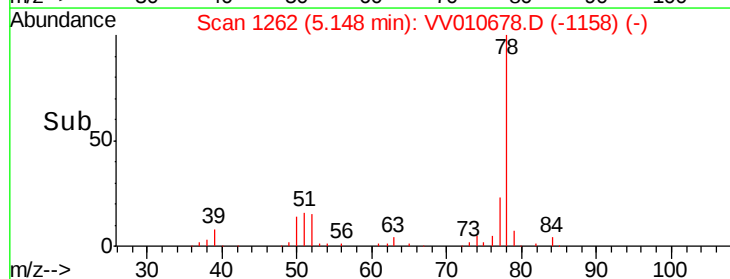
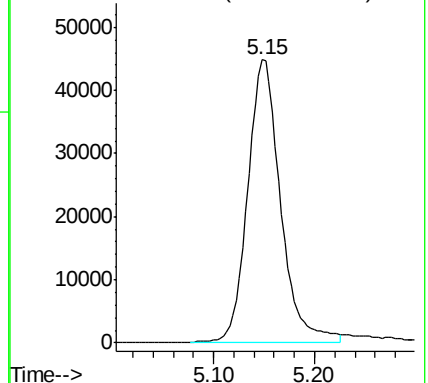
Lab File: VV010678.D

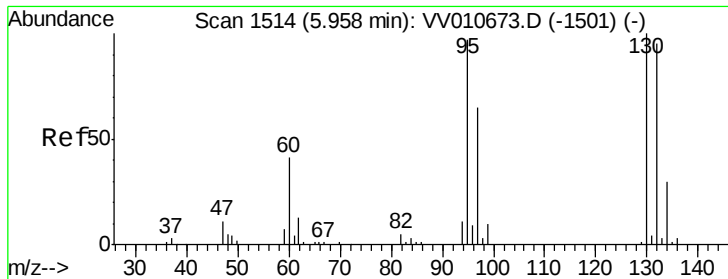
Acq: 06 May 2019 15:14

Tgt Ion: 78 Resp: 101511



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.792 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010678.D

Acq: 06 May 2019 15:14

Tgt Ion: 95 Resp: 27929

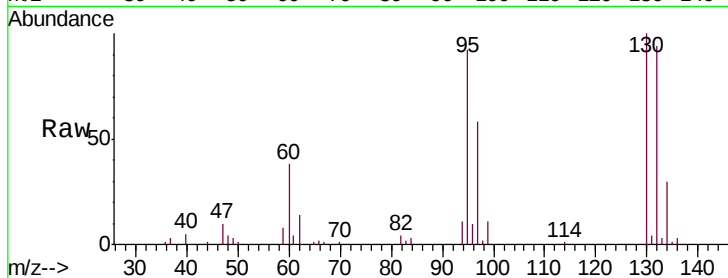
Ion Ratio Lower Upper

95 100

97 63.5 45.0 83.6

132 102.3 69.9 129.9

130 107.1 71.3 132.3

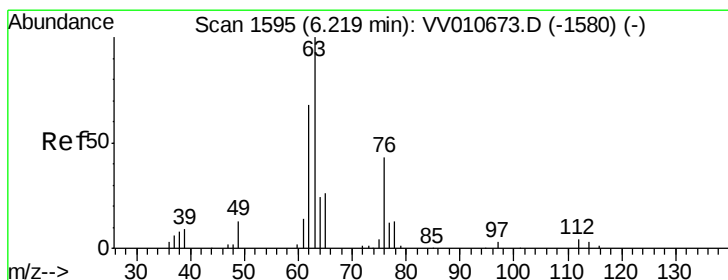
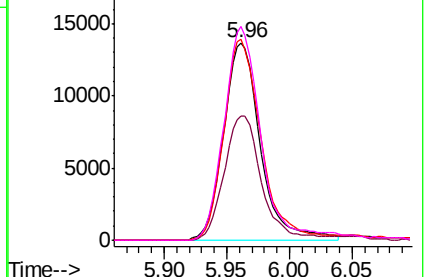
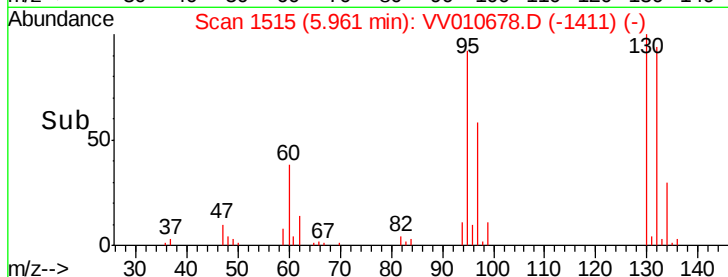


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 3.165 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV010678.D

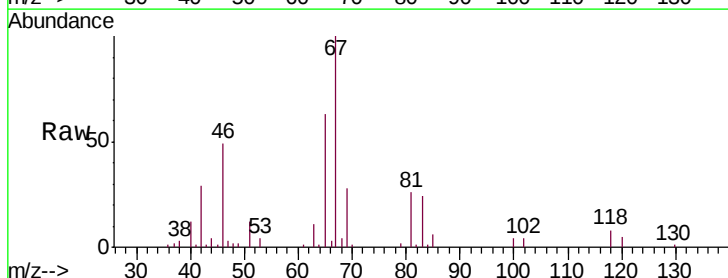
Acq: 06 May 2019 15:14

Tgt Ion: 63 Resp: 3388

Ion Ratio Lower Upper

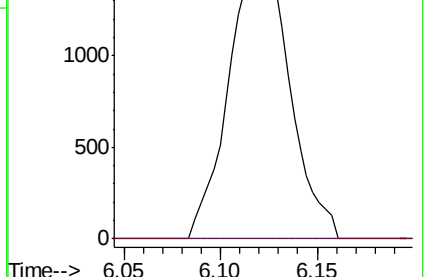
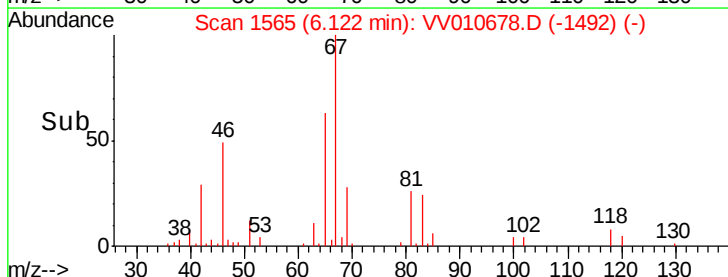
63 100

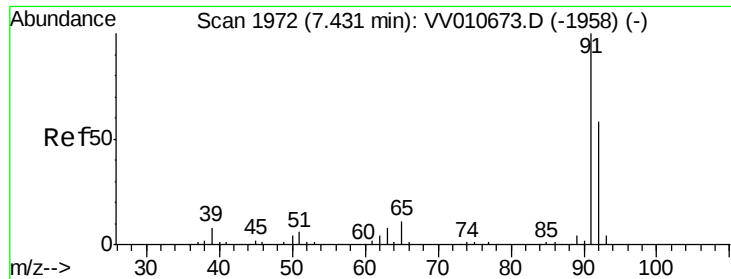
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#44

Toluene

Concen: 25.184 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010678.D

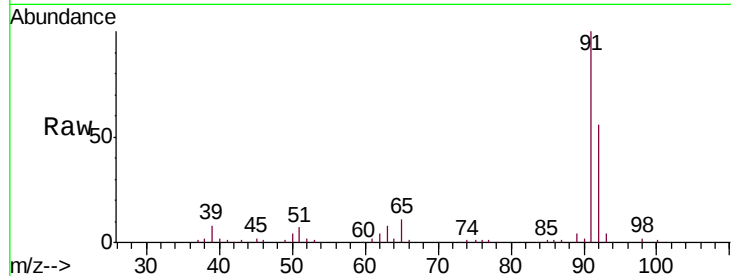
Acq: 06 May 2019 15:14

Tgt Ion: 91 Resp: 114390

Ion Ratio Lower Upper

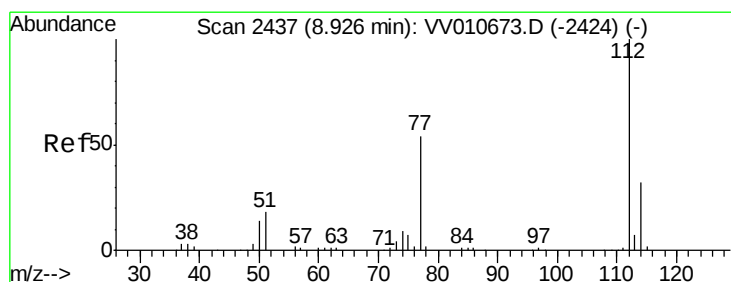
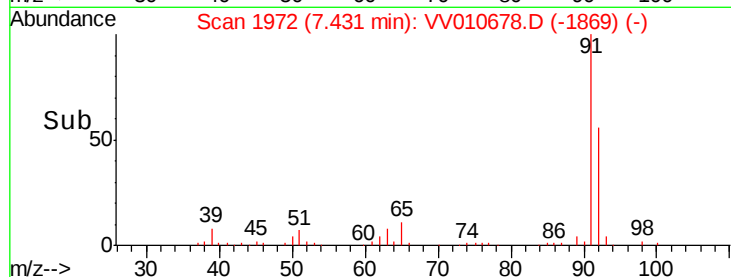
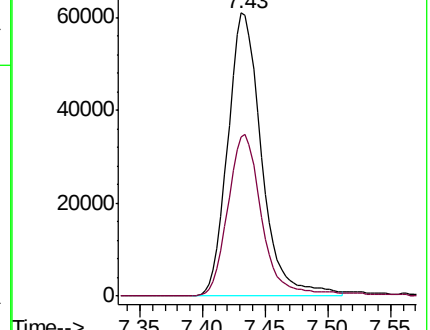
91 100

92 56.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010678.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010678.D (-1958) (-)



#52

Chlorobenzene

Concen: 25.165 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010678.D

Acq: 06 May 2019 15:14

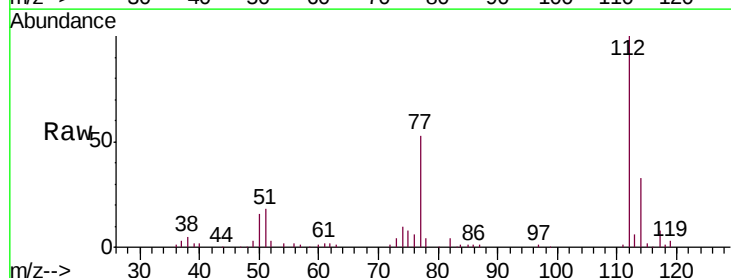
Tgt Ion: 112 Resp: 79773

Ion Ratio Lower Upper

112 100

77 53.2 44.5 66.7

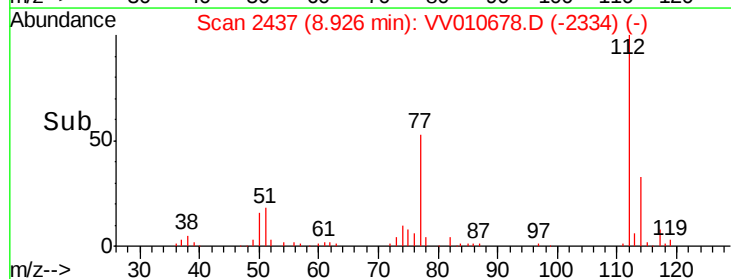
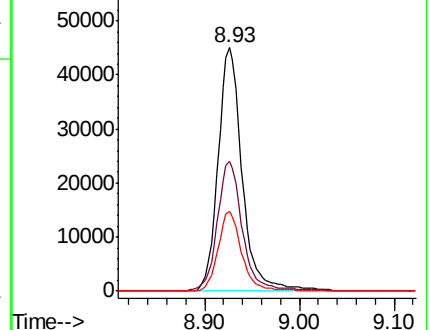
114 33.0 22.5 41.7

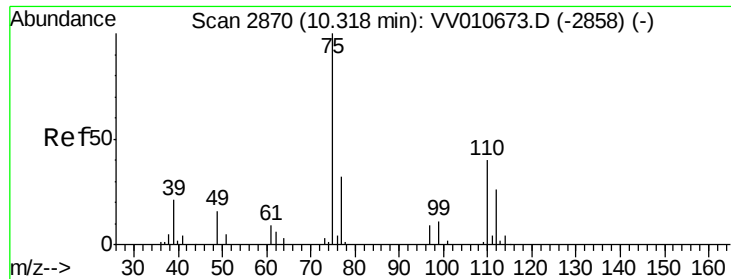


Abundance Ion 112.00 (111.70 to 112.70): VV010678.D (-2434) (-)

Ion 77.00 (76.70 to 77.70): VV010678.D (-2434) (-)

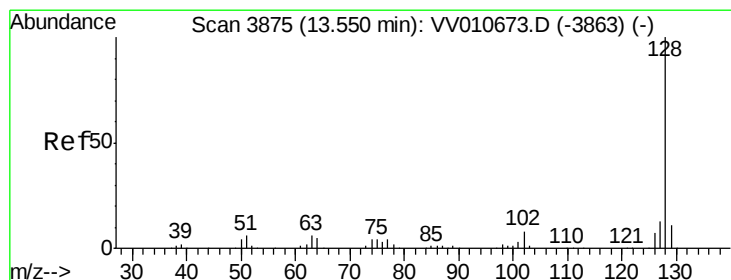
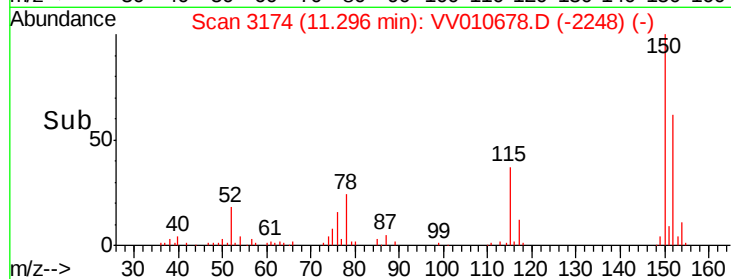
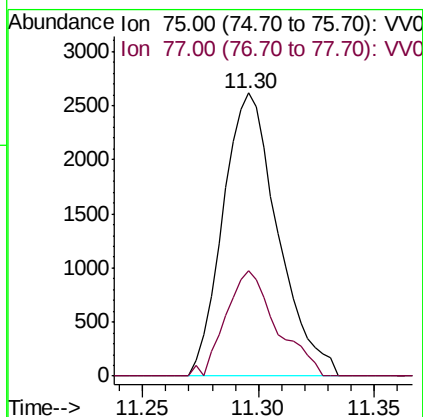
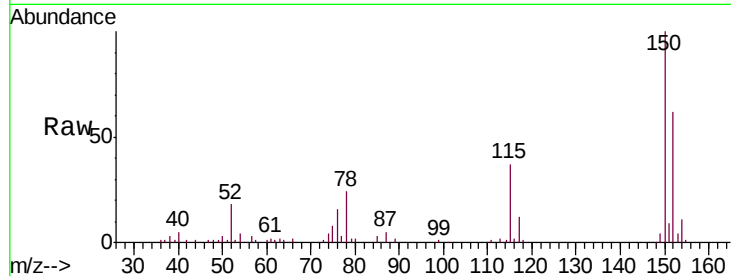
Ion 114.00 (113.70 to 114.70): VV010678.D (-2434) (-)





#59
 1,2,3-Trichloropropane
 Concen: 5.119 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.98 min
 Lab File: VV010678.D
 Acq: 06 May 2019 15:14

Tgt Ion: 75 Resp: 4294
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.6 38.4



#69
 Naphthalene
 Concen: 1.035 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV010678.D
 Acq: 06 May 2019 15:14

Tgt Ion: 128 Resp: 2377
 Ion Ratio Lower Upper
 128 100
 129 5.4 8.6 13.0#
 127 12.6 10.6 15.8

