

Data File : VV010685.D
Acq On : 06 May 2019 19:08
Operator : SY/MD
Sample : K2633-03MSD
Misc : 5.03G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:06:43 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	89226	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	82784	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39756	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13947	12.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	49.40%
7) Chloroethane-d5	1.58	69	10468	13.24	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.96%
10) 1,1-Dichloroethene-d2	2.13	63	30801	15.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.20%
20) 2-Butanone-d5	3.94	46	10549	30.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.38%
24) Chloroform-d	4.40	84	46114	20.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.04%
26) 1,2-Dichloroethane-d4	5.08	65	24359	18.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.76%
29) Benzene-d6	5.10	84	93066	21.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.76%
33) 1,2-Dichloropropane-d6	6.12	67	29086	22.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.52%
37) Toluene-d8	7.36	98	88057	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.44%
38) trans-1,3-Dichloropropene-	7.66	79	10039	18.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.92%
39) 2-Hexanone-d5	8.14	63	9168	39.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	23469	19.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	35737	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%

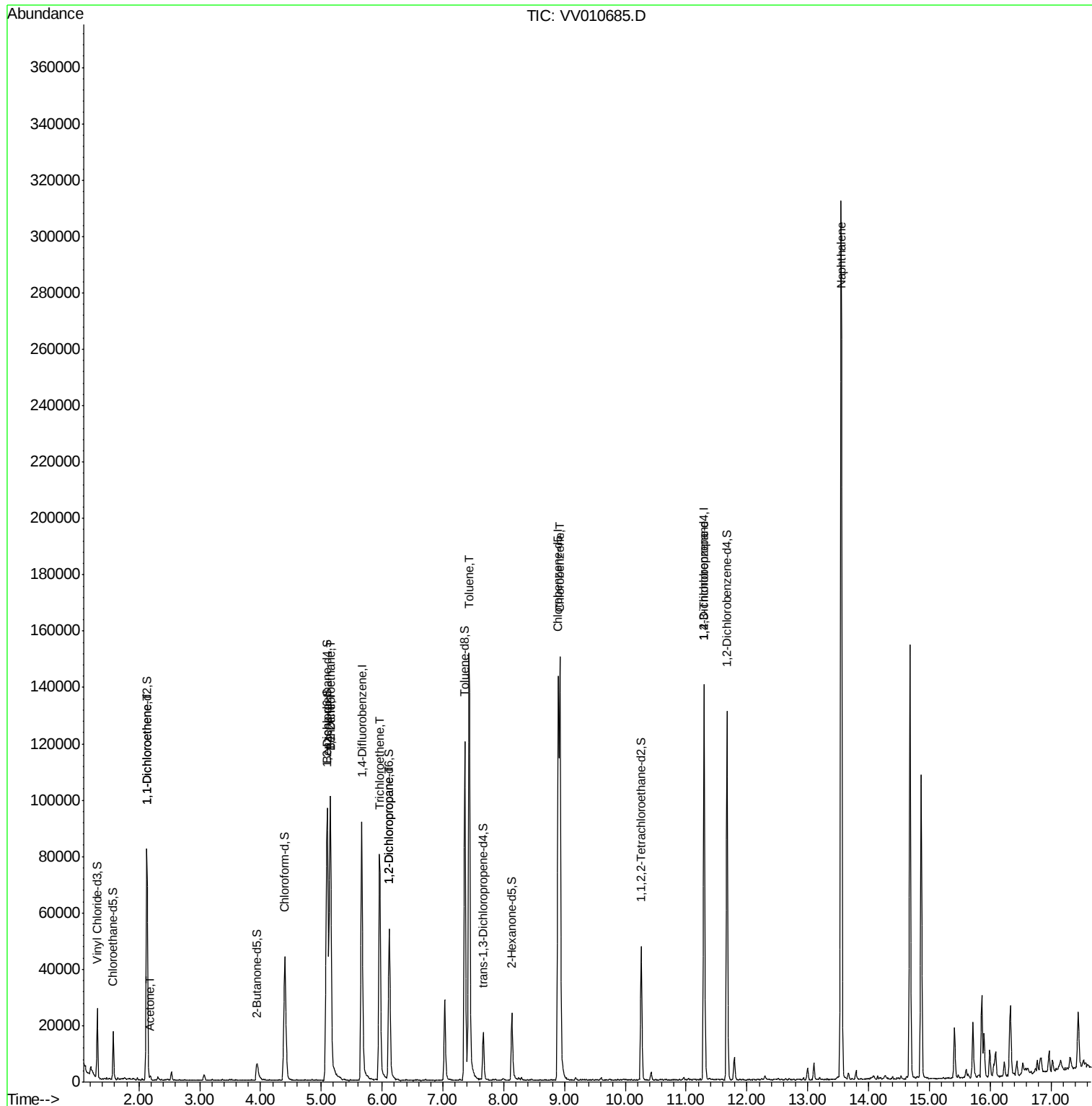
Target Compounds

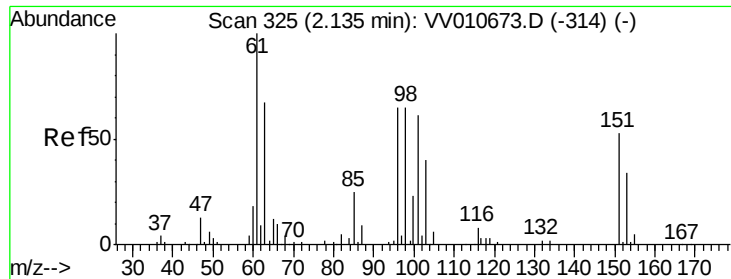
						Qvalue
12) 1,1-Dichloroethene	2.14	96	16743	19.532	ug/L	97
13) Acetone	2.19	43	1153	3.913	ug/L	76
27) 1,2-Dichloroethane	5.15	62	938	0.658	ug/L #	77
34) Benzene	5.15	78	102033	25.783	ug/L	100
35) Trichloroethene	5.96	95	29308	25.964	ug/L	98
40) 1,2-Dichloropropane	6.12	63	3236	3.144	ug/L #	87
44) Toluene	7.43	91	119832	27.437	ug/L	99
52) Chlorobenzene	8.93	112	81629	26.779	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	4234	5.249	ug/L	90
69) Naphthalene	13.55	128	244905	96.376	ug/L	99

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

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QLast Update : Tue May 07 04:01:38 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 19.532 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010685.D

Acq: 06 May 2019 19:08

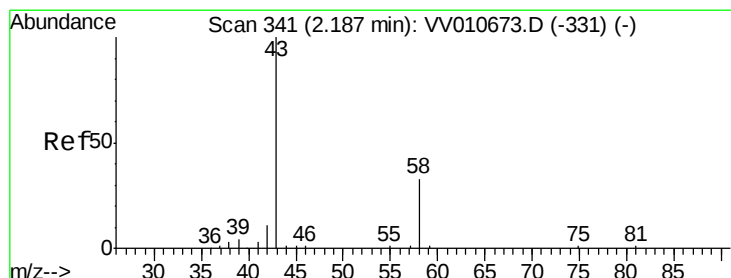
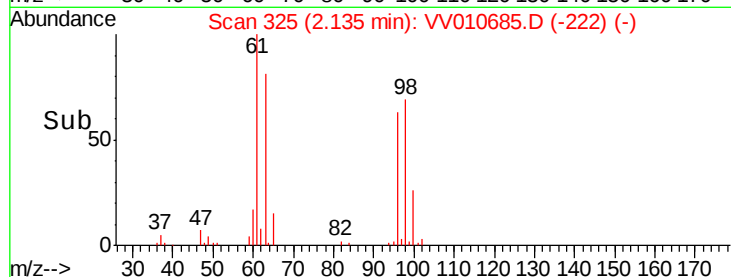
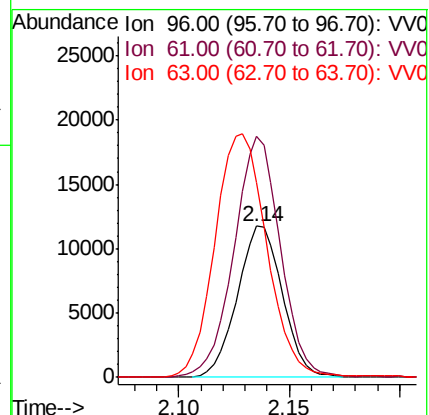
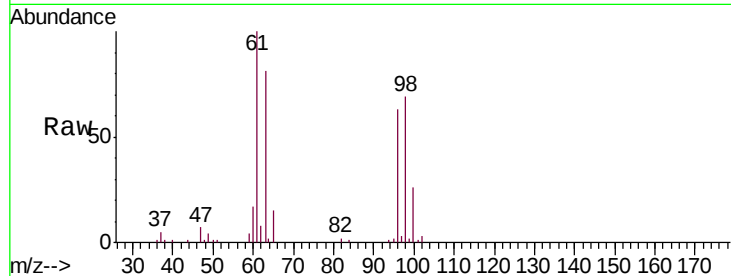
Tgt Ion: 96 Resp: 16743

Ion Ratio Lower Upper

96 100

61 159.6 111.1 206.3

63 129.4 95.2 176.8



#13

Acetone

Concen: 3.913 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010685.D

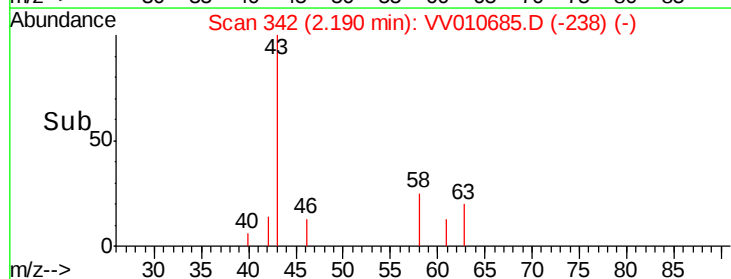
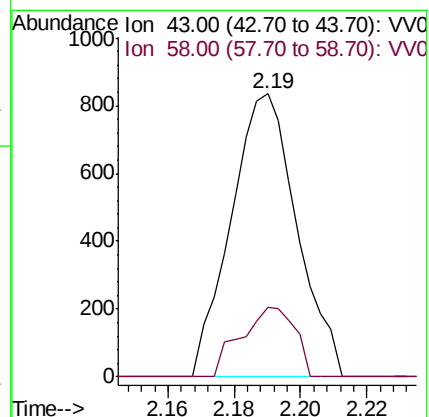
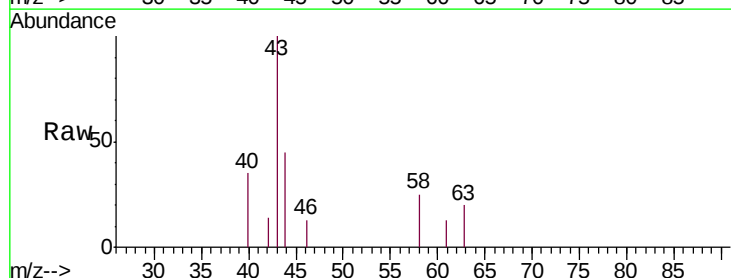
Acq: 06 May 2019 19:08

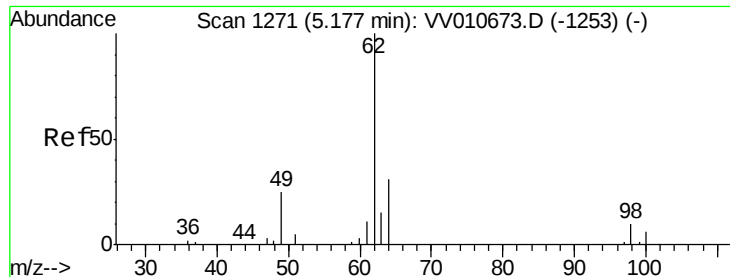
Tgt Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

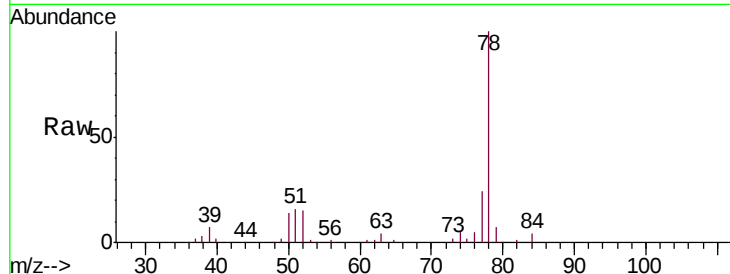
58 16.5 0.0 58.2



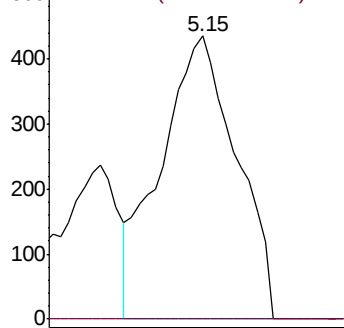


#27
1,2-Dichloroethane
Concen: 0.658 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.03 min
Lab File: VV010685.D
Acq: 06 May 2019 19:08

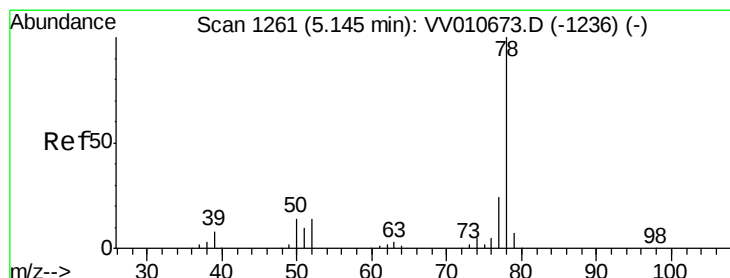
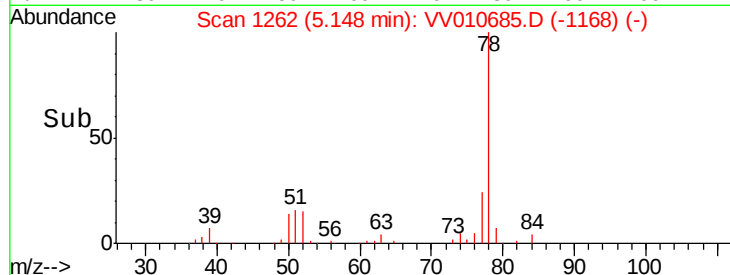
Tgt Ion: 62 Resp: 938
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

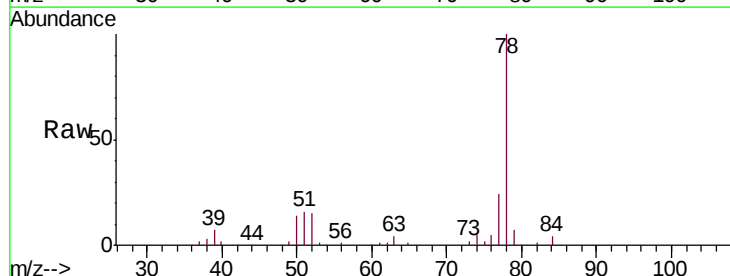


Time-->

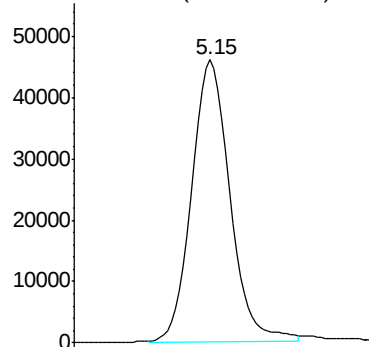


#34
Benzene
Concen: 25.783 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010685.D
Acq: 06 May 2019 19:08

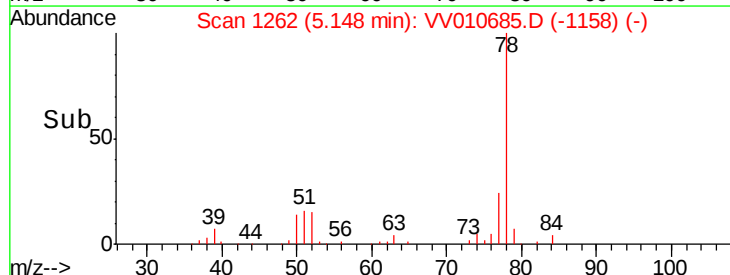
Tgt Ion: 78 Resp: 102033

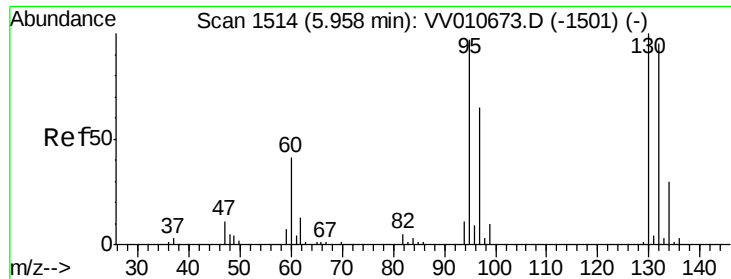


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#35

Trichloroethene

Concen: 25.964 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010685.D

Acq: 06 May 2019 19:08

Tgt Ion: 95 Resp: 29308

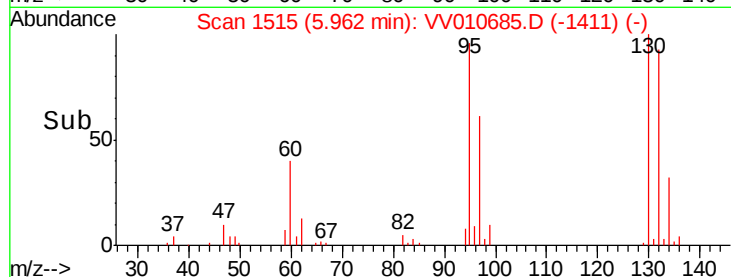
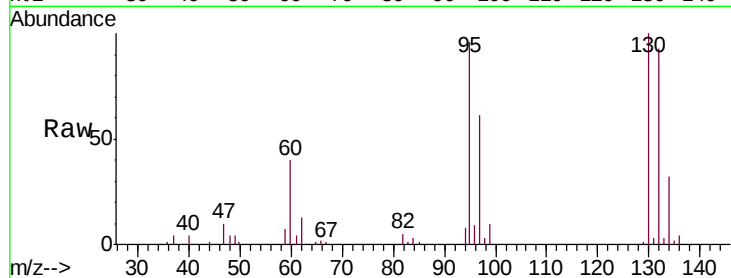
Ion Ratio Lower Upper

95 100

97 62.5 45.0 83.6

132 99.8 69.9 129.9

130 104.8 71.3 132.3

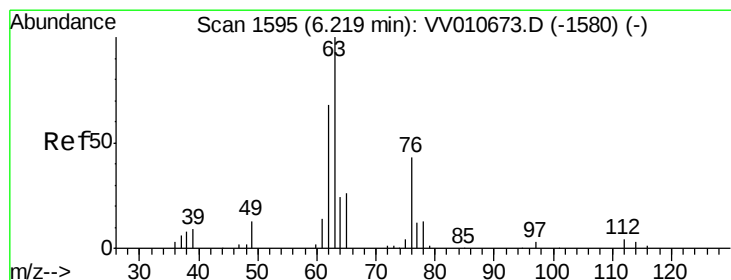
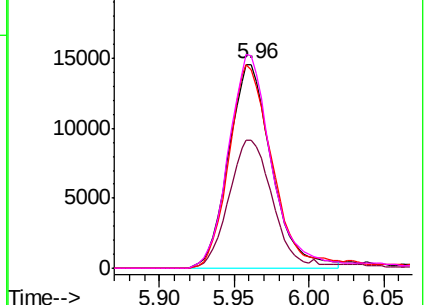


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 3.144 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV010685.D

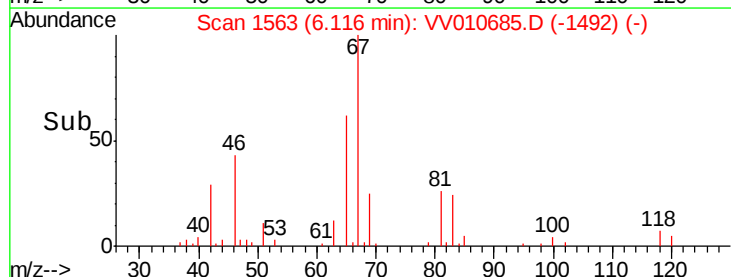
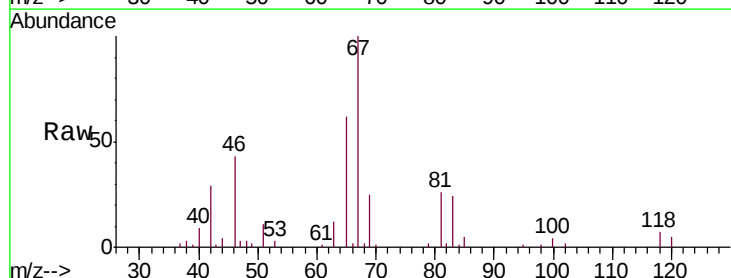
Acq: 06 May 2019 19:08

Tgt Ion: 63 Resp: 3236

Ion Ratio Lower Upper

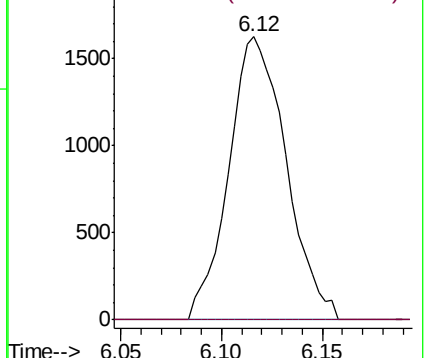
63 100

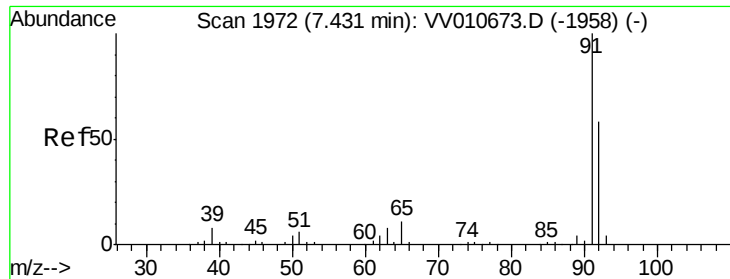
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V





#44

Toluene

Concen: 27.437 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV010685.D

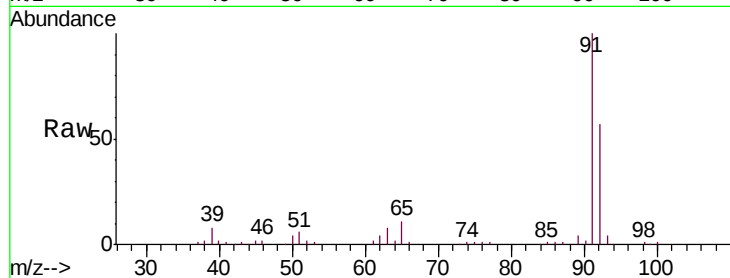
Acq: 06 May 2019 19:08

Tgt Ion: 91 Resp: 119832

Ion Ratio Lower Upper

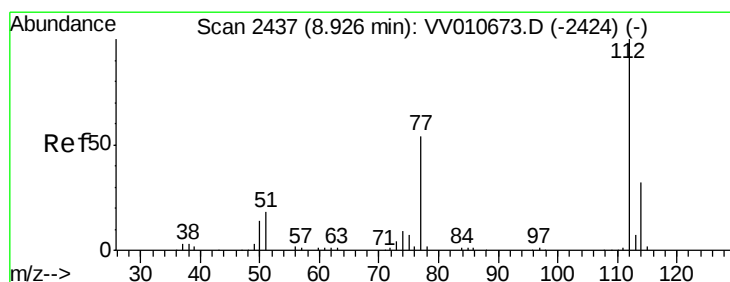
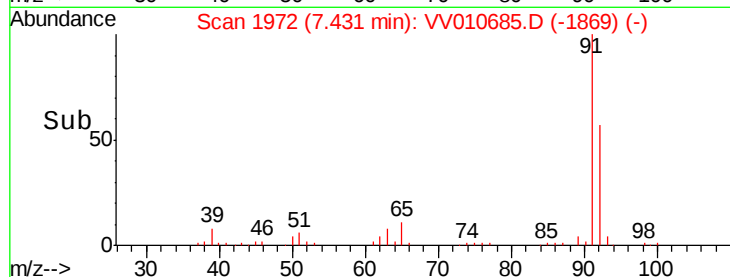
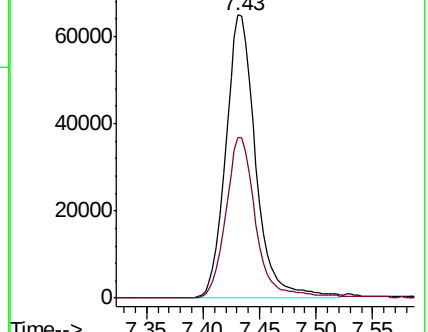
91 100

92 56.7 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010673.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010673.D (-1958) (-)



#52

Chlorobenzene

Concen: 26.779 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV010685.D

Acq: 06 May 2019 19:08

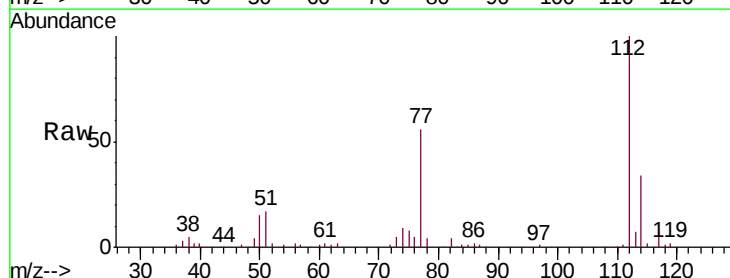
Tgt Ion: 112 Resp: 81629

Ion Ratio Lower Upper

112 100

77 56.0 44.5 66.7

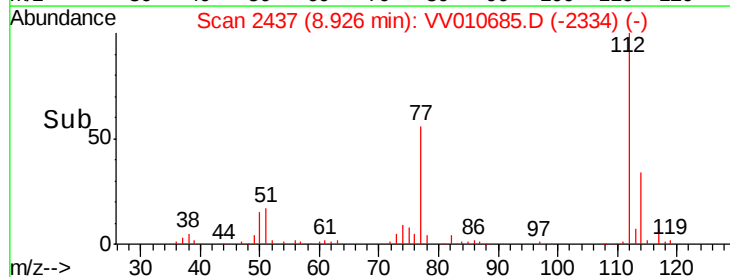
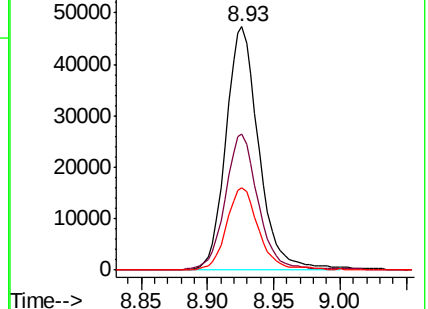
114 34.0 22.5 41.7

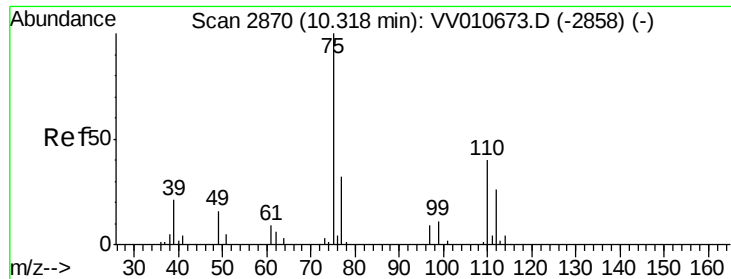


Abundance Ion 112.00 (111.70 to 112.70): VV010673.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV010673.D (-2424) (-)

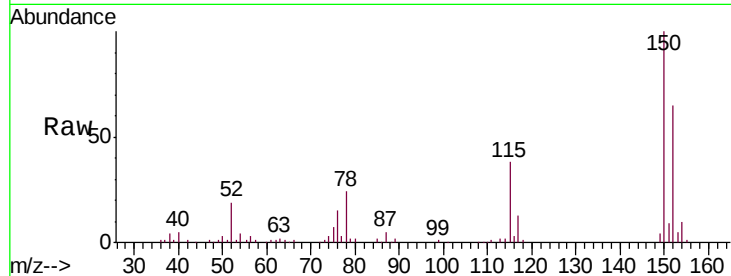
Ion 114.00 (113.70 to 114.70): VV010673.D (-2424) (-)



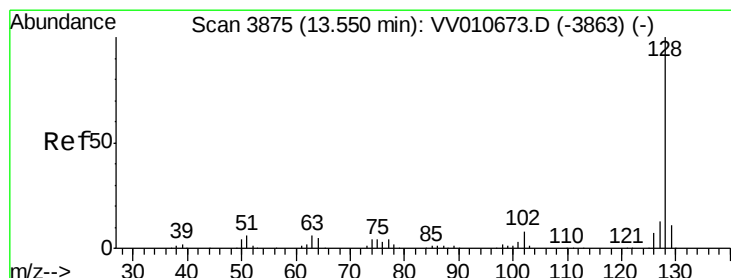
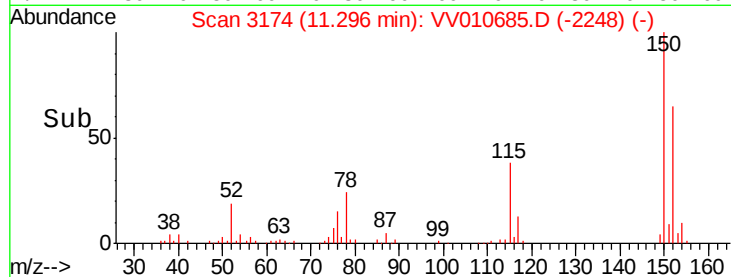
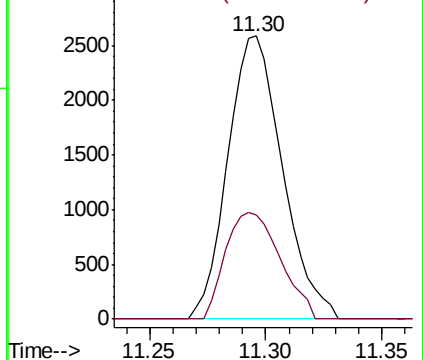


#59
1,2,3-Trichloropropane
Concen: 5.249 ug/L
RT: 11.30 min Scan# 3174
Delta R.T. 0.98 min
Lab File: VV010685.D
Acq: 06 May 2019 19:08

Tgt Ion: 75 Resp: 4234
Ion Ratio Lower Upper
75 100
77 37.7 25.6 38.4

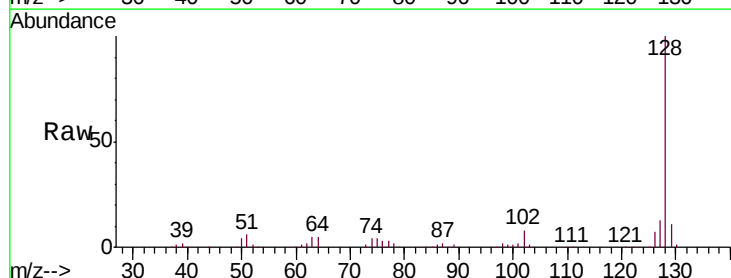


Abundance Ion 75.00 (74.70 to 75.70): VV010685.D (-3174) (-)
Ion 77.00 (76.70 to 77.70): VV010685.D (-3174) (-)



#69
Naphthalene
Concen: 96.376 ug/L
RT: 13.55 min Scan# 3875
Delta R.T. -0.00 min
Lab File: VV010685.D
Acq: 06 May 2019 19:08

Tgt Ion: 128 Resp: 244905
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.7 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): VV010685.D (-3875) (-)
Ion 129.00 (128.70 to 129.70): VV010685.D (-3875) (-)
Ion 127.00 (126.70 to 127.70): VV010685.D (-3875) (-)

