

Data File : VV009460.D
Acq On : 01 Mar 2019 17:32
Operator : SY/MD
Sample : K1624-11
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 02 00:12:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Mar 02 00:06:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	89232	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22876	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	20356	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	44503	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	3.99	46	47489	53.73	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.46%
24) Chloroform-d	4.40	84	43950	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.09	65	23246	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	89840	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.12	67	28143	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	90048	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.67	79	10436	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.14	63	41240	51.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	21491	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	32132	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

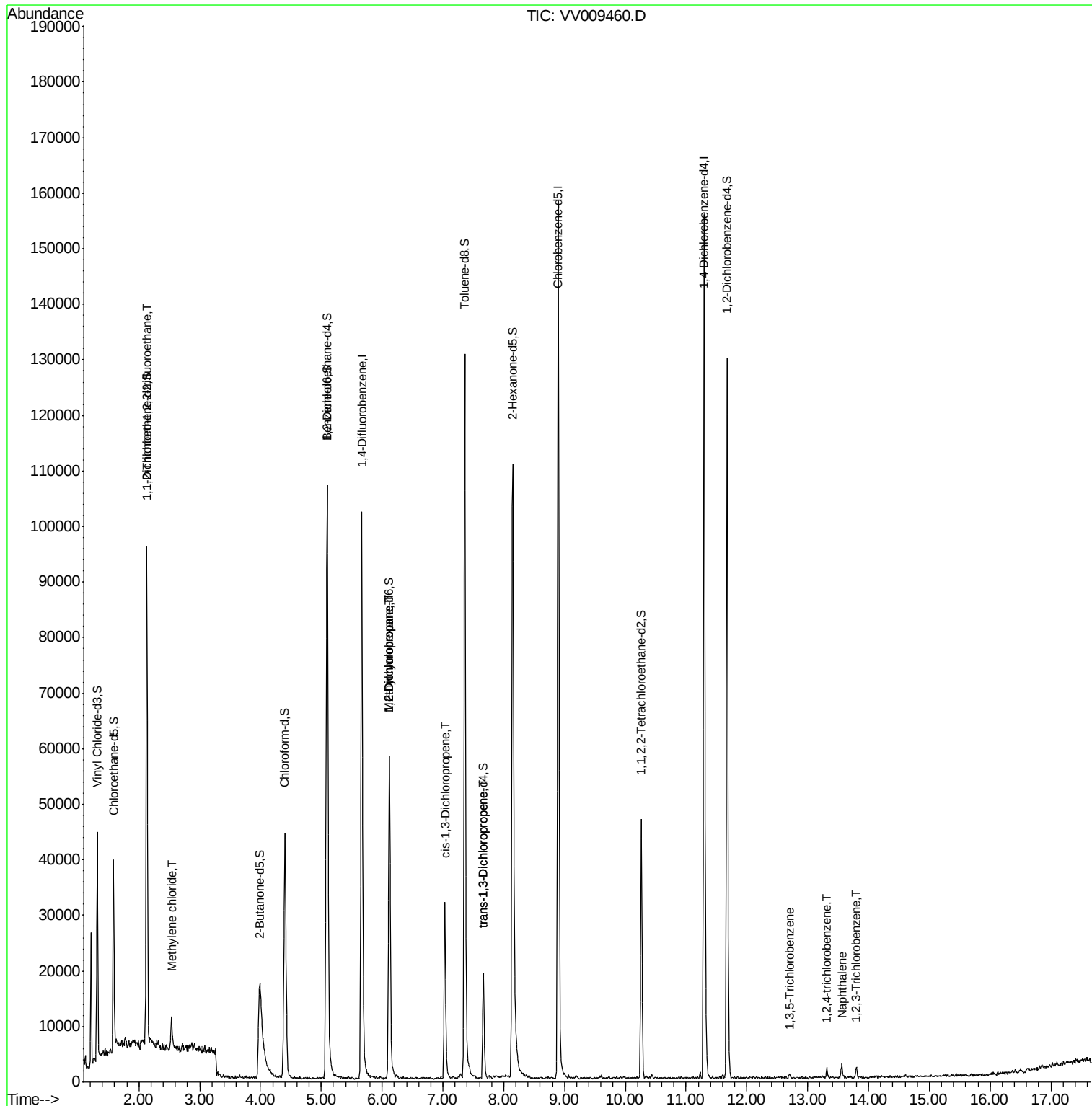
Target Compounds

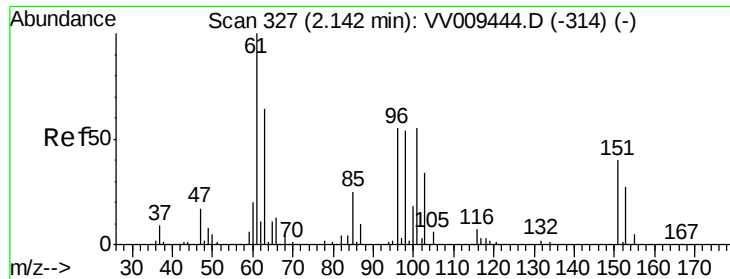
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	541	0.082	ug/L #	24
16) Methylene chloride	2.54	84	2133	0.328	ug/L	86
35) Methylcyclohexane	6.12	83	6439	0.621	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3031	0.554	ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	933	0.108	ug/L #	77
44) trans-1,3-Dichloropropene	7.68	75	611	0.091	ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	524	0.057	ug/L #	48
68) 1,2,4-trichlorobenzene	13.31	180	747	0.106	ug/L #	87
69) Naphthalene	13.56	128	2467	0.210	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	909	0.142	ug/L #	74

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

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.082 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

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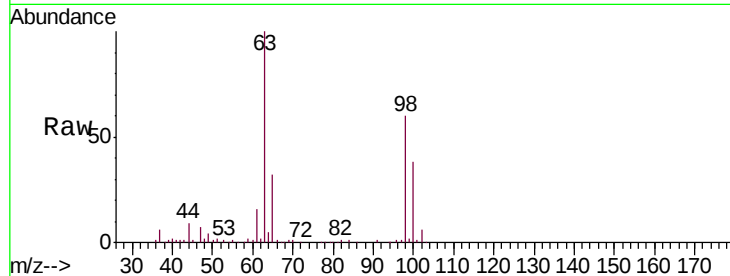
Tgt Ion: 101 Resp: 541

Ion Ratio Lower Upper

101 100

85 7.6 38.2 57.4#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VV009444.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009444.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009444.D (-314) (-)

Time-->

2.10 2.12 2.14 2.16

400

300

200

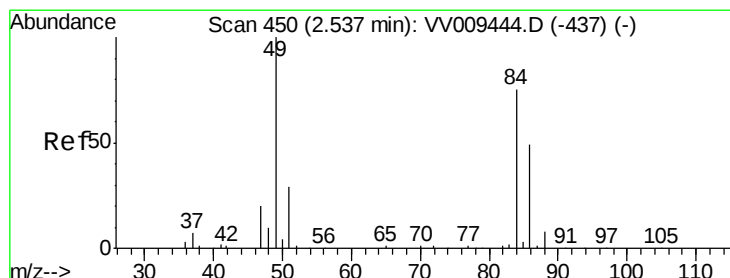
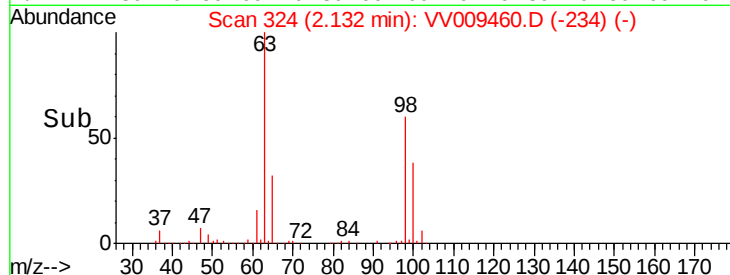
100

0

2.13

Time-->

2.10 2.12 2.14 2.16



#16

Methylene chloride

Concen: 0.328 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009460.D

Acq: 01 Mar 2019 17:32

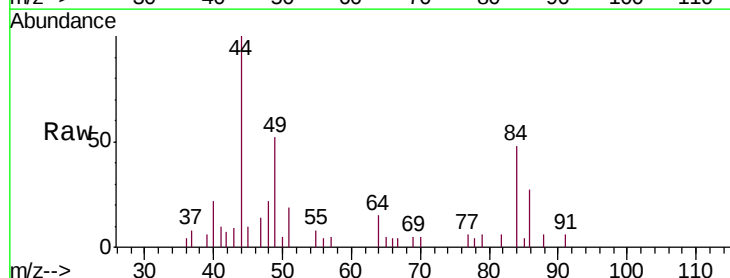
Tgt Ion: 84 Resp: 2133

Ion Ratio Lower Upper

84 100

86 57.4 42.8 79.4

49 108.4 90.6 168.2



Abundance Ion 84.05 (83.75 to 84.75): VV009444.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009444.D (-437) (-)

Ion 49.10 (48.80 to 49.80): VV009444.D (-437) (-)

Time-->

2.50 2.55 2.60

1500

1000

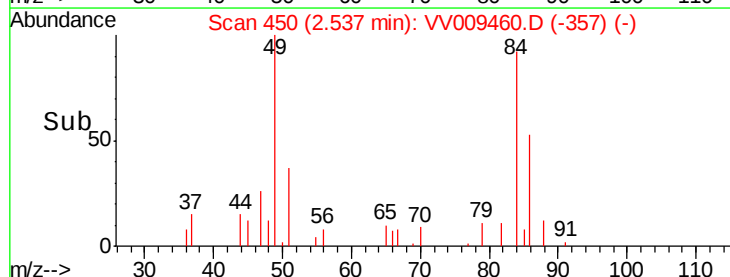
500

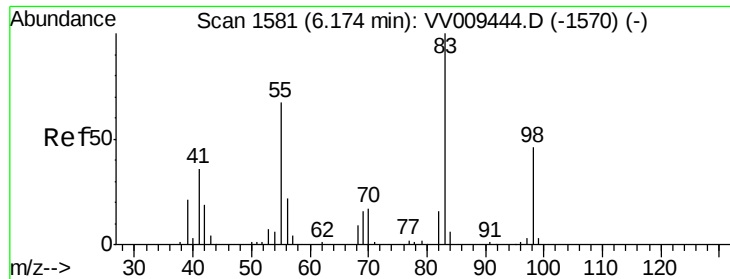
0

2.54

Time-->

2.50 2.55 2.60





#35

Methylcyclohexane

Concen: 0.621 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV009460.D

Acq: 01 Mar 2019 17:32

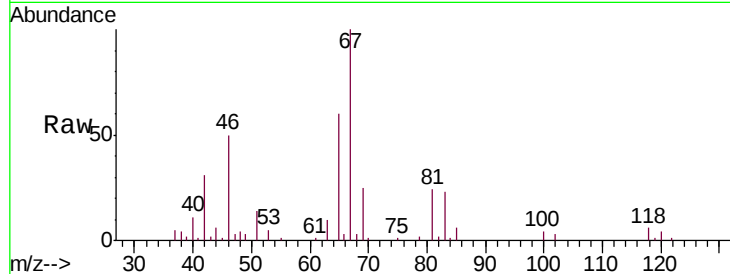
Tgt Ion: 83 Resp: 6439

Ion Ratio Lower Upper

83 100

55 0.7 59.8 89.8#

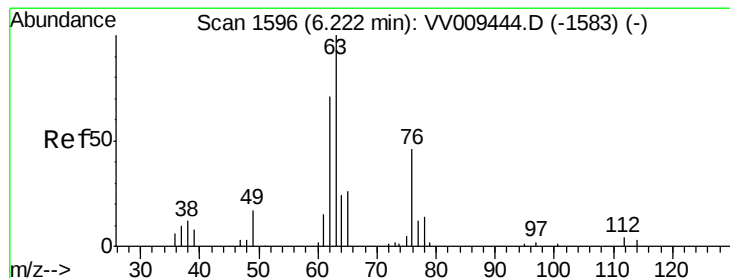
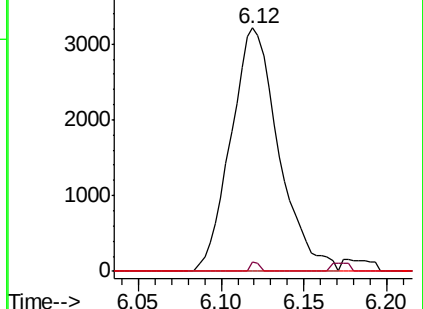
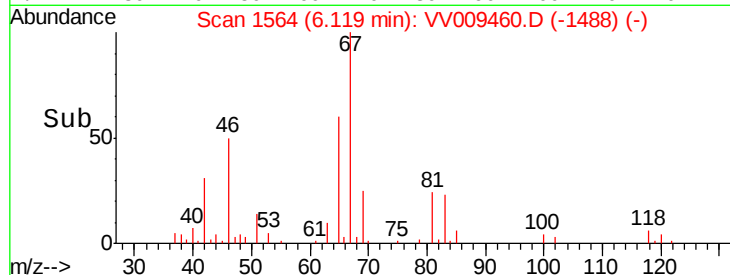
98 0.0 39.9 59.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.554 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.11 min

Lab File: VV009460.D

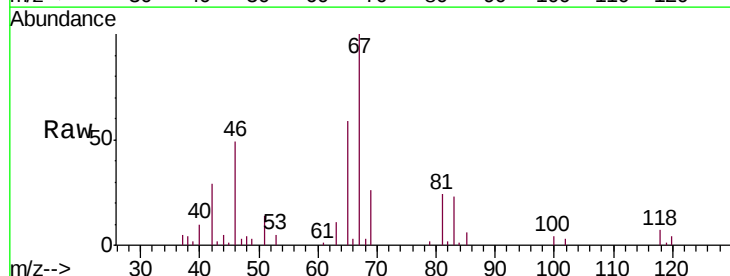
Acq: 01 Mar 2019 17:32

Tgt Ion: 63 Resp: 3031

Ion Ratio Lower Upper

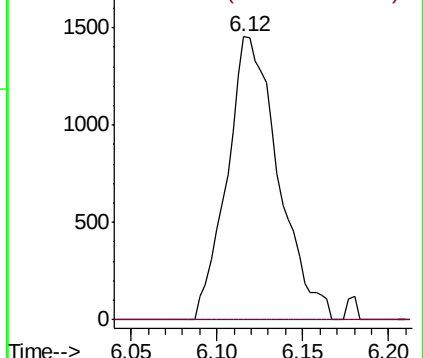
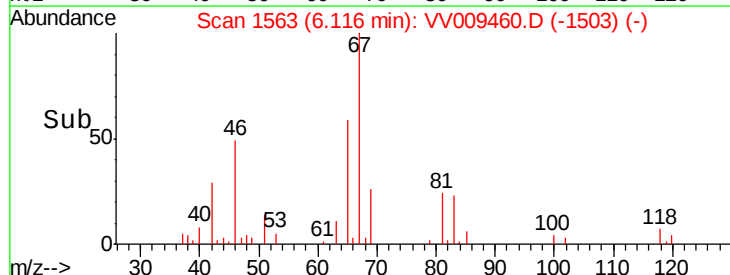
63 100

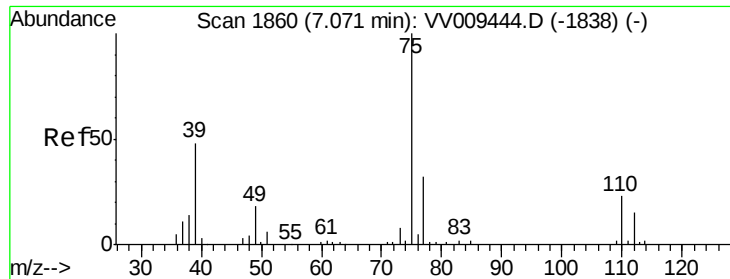
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0

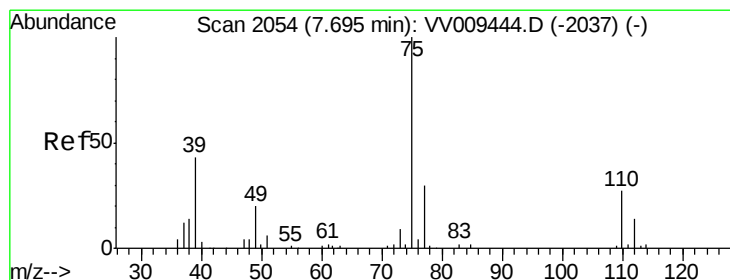
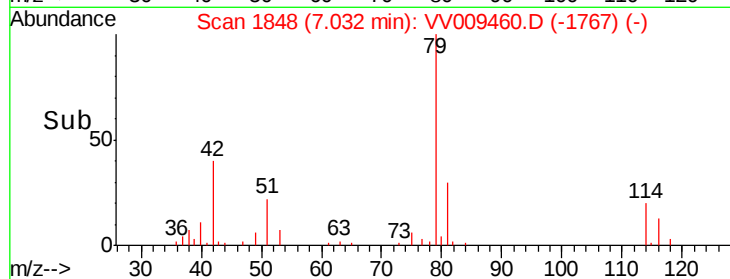
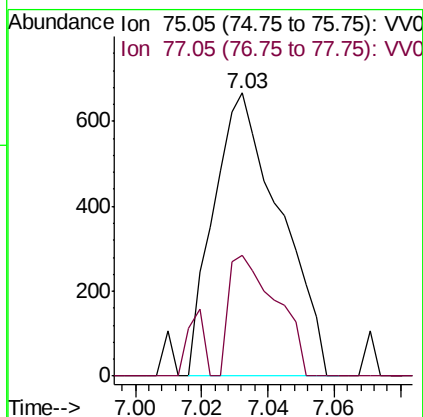
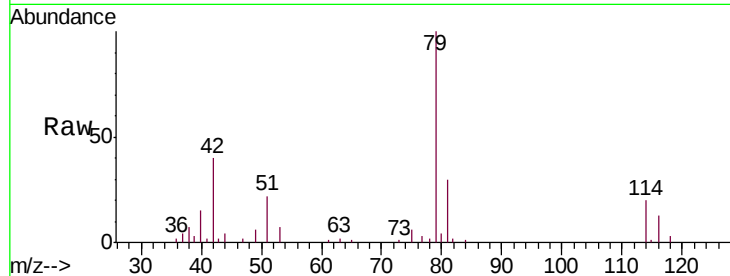
Ion 112.10 (111.80 to 112.80): V





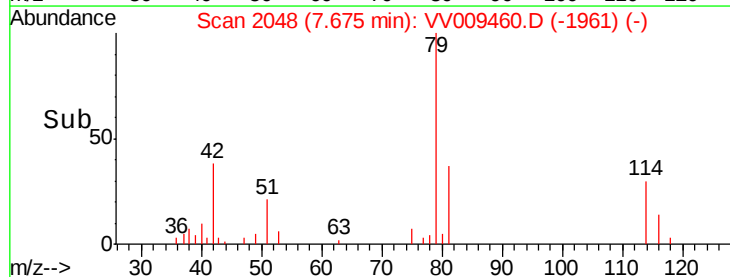
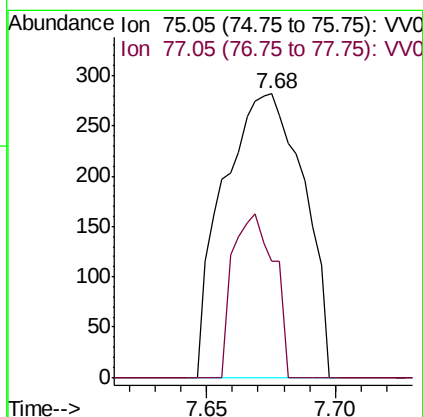
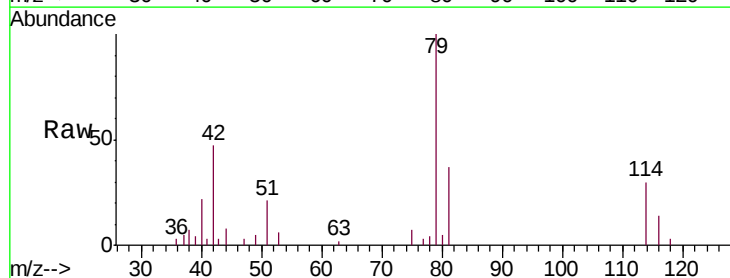
#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV009460.D
 Acq: 01 Mar 2019 17:32

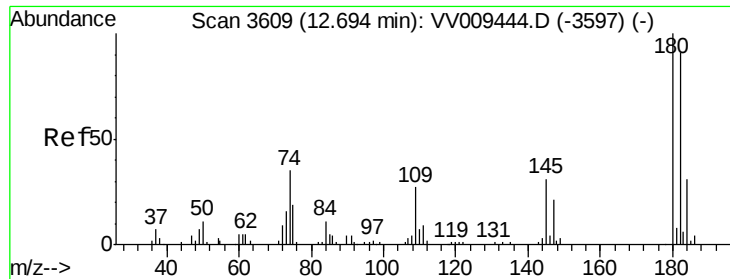
Tgt Ion: 75 Resp: 933
 Ion Ratio Lower Upper
 75 100
 77 42.7 21.1 39.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.68 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: VV009460.D
 Acq: 01 Mar 2019 17:32

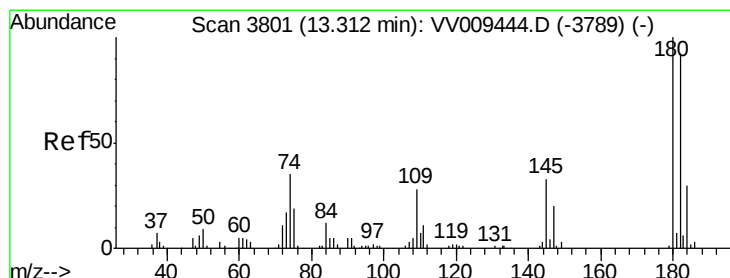
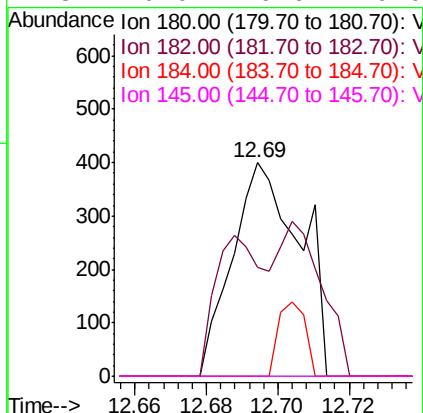
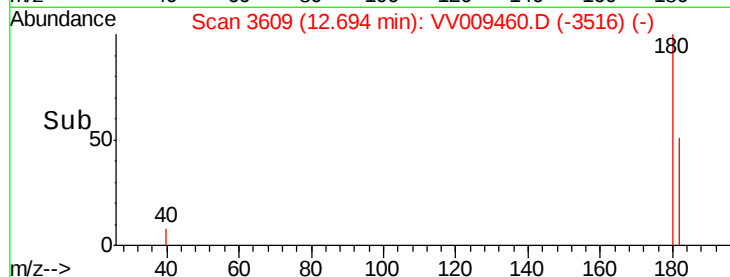
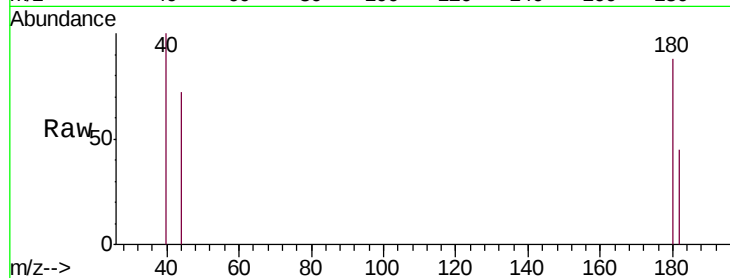
Tgt Ion: 75 Resp: 611
 Ion Ratio Lower Upper
 75 100
 77 40.8 22.2 41.2





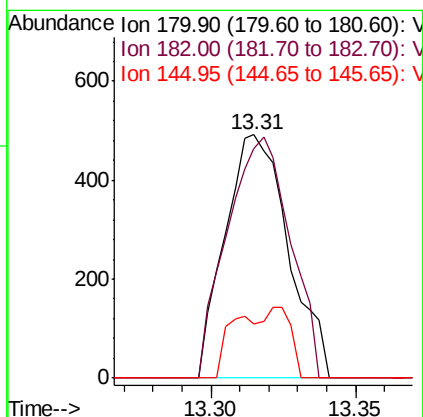
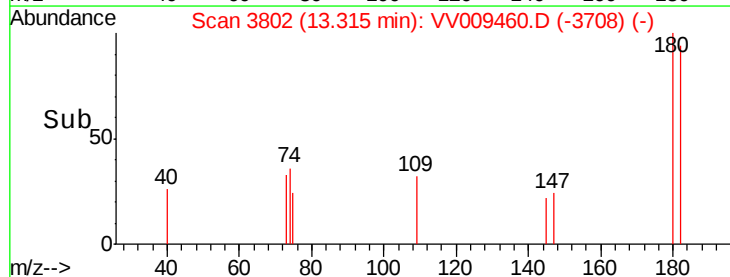
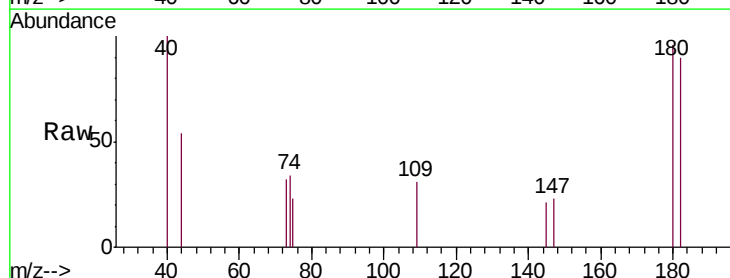
#67
 1,3,5-Trichlorobenzene
 Concen: 0.057 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009460.D
 Acq: 01 Mar 2019 17:32

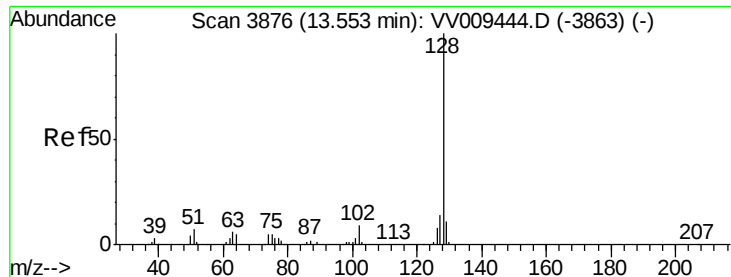
Tgt Ion:180 Resp: 524
 Ion Ratio Lower Upper
 180 100
 182 47.7 75.5 113.3#
 184 0.0 23.4 35.0#
 145 0.0 26.6 40.0#



#68
 1,2,4-trichlorobenzene
 Concen: 0.106 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV009460.D
 Acq: 01 Mar 2019 17:32

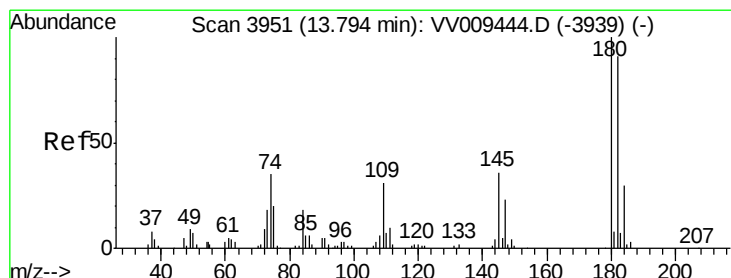
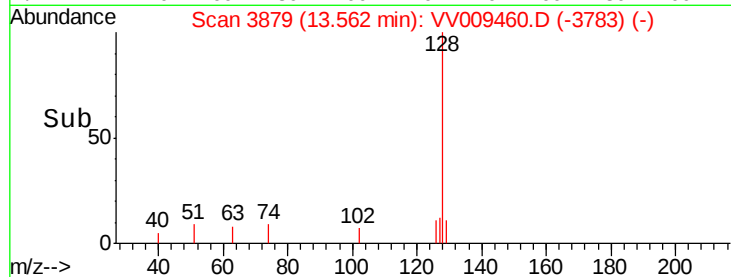
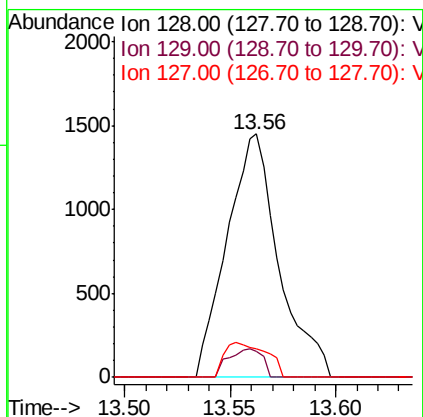
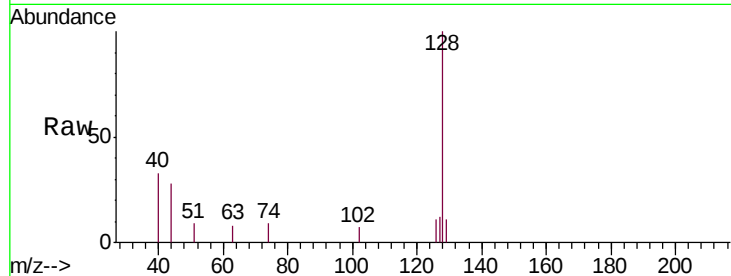
Tgt Ion:180 Resp: 747
 Ion Ratio Lower Upper
 180 100
 182 98.4 74.7 112.1
 145 13.0 26.6 39.8#





#69
Naphthalene
Concen: 0.210 ug/L
RT: 13.56 min Scan# 3879
Delta R.T. 0.01 min
Lab File: VV009460.D
Acq: 01 Mar 2019 17:32

Tgt Ion:128 Resp: 2467
Ion Ratio Lower Upper
128 100
129 7.6 8.5 12.7#
127 11.6 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 0.142 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV009460.D
Acq: 01 Mar 2019 17:32

Tgt Ion:180 Resp: 909
Ion Ratio Lower Upper
180 100
182 73.6 75.7 113.5#
145 12.9 27.6 41.4#

