

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015751.D
 Acq On : 28 Apr 2020 16:51
 Operator : SY/MD
 Sample : L2421-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS7

Quant Time: Apr 29 01:44:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 29 00:40:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	121309	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118421	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23973	3.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.60%
7) Chloroethane-d5	1.58	69	26468	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.12	63	42846	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	3.92	46	112706	55.37	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.74%
24) Chloroform-d	4.38	84	72843	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.06	65	43402	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.08	84	133302	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.10	67	43991	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.34	98	118899	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.64	79	13270	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.11	63	74885	43.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.94%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32223	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	46611	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

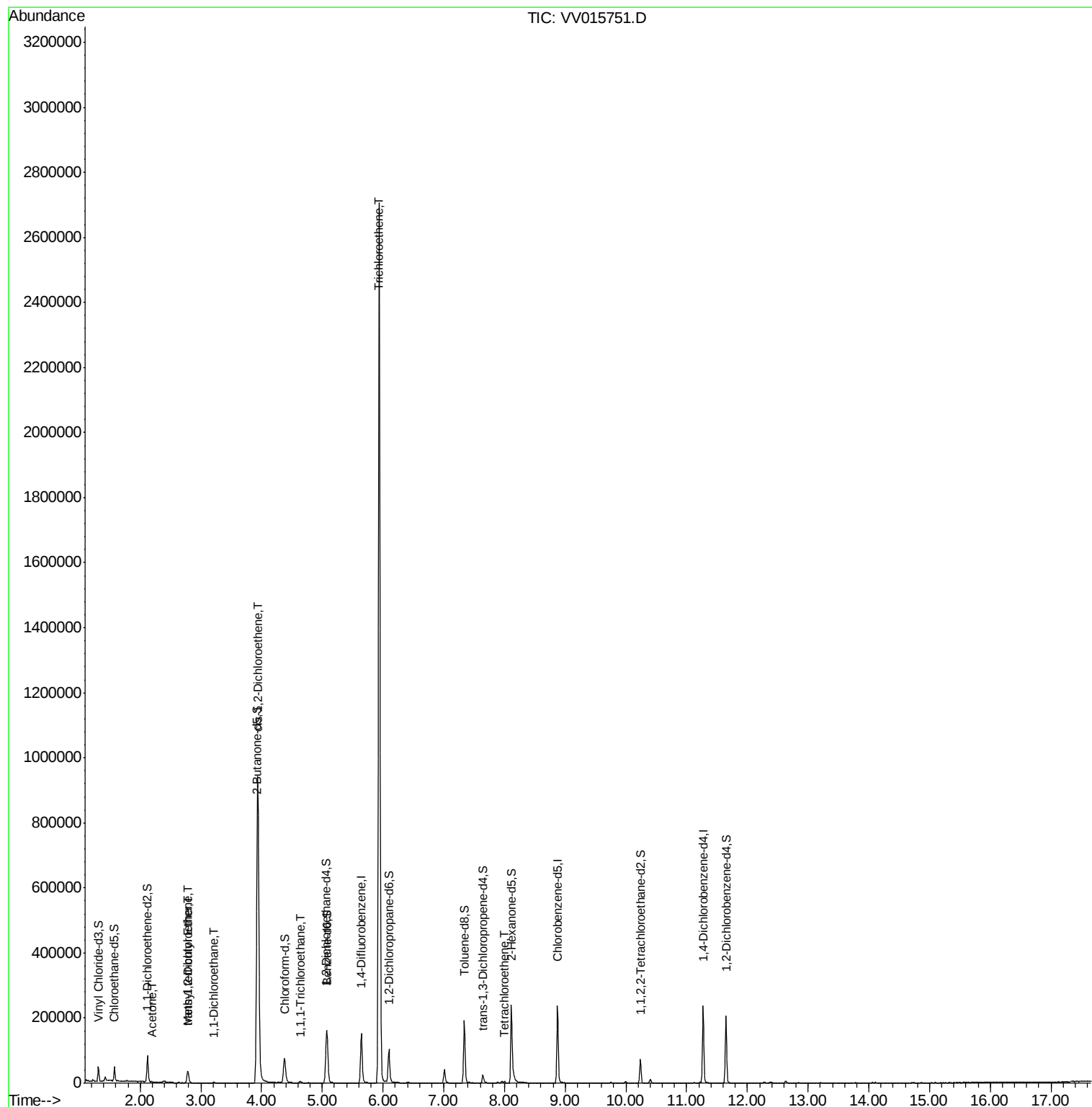
					Ovalue
13) Acetone	2.19	43	3624	2.564	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	22837	1.152	ug/L 96
18) trans-1,2-Dichloroethene	2.78	96	5231	0.662	ug/L 96
19) 1,1-Dichloroethane	3.21	63	1754	0.113	ug/L 95
22) cis-1,2-Dichloroethene	3.94	96	472116	54.013	ug/L 98
29) 1,1,1-Trichloroethane	4.63	97	2808	0.187	ug/L # 89
34) Trichloroethene	5.94	95	914491	97.873	ug/L 98
47) Tetrachloroethene	8.00	164	740	0.110	ug/L 93

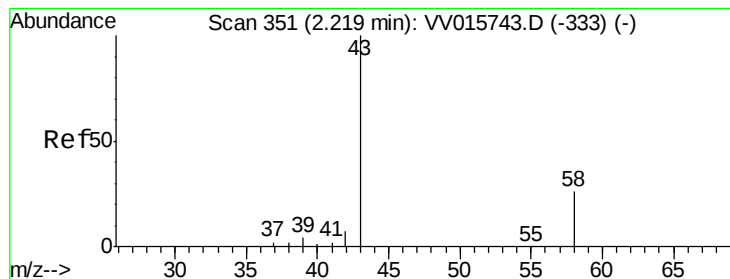
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.564 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

Instrument :

MSVOA_V

ClientSampleId :

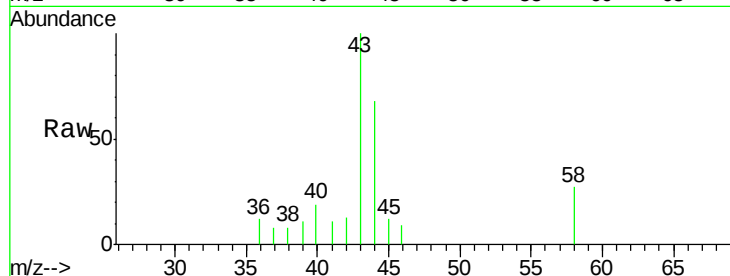
BFSA7

Tot Ion: 43 Resp: 3624

Ion Ratio Lower Upper

43 100

58 26.4 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

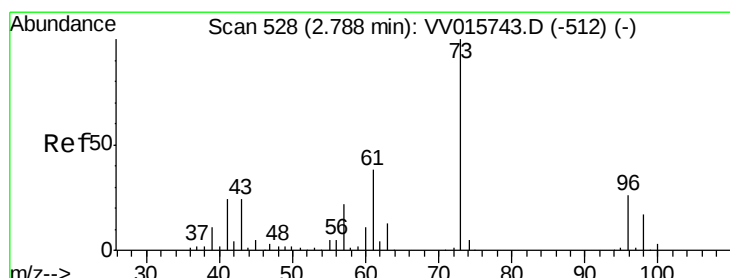
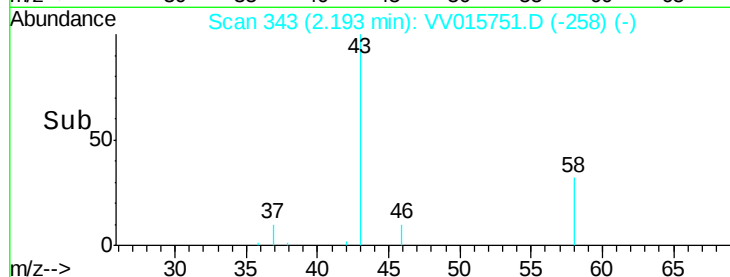
1500

1000

500

0

Time--> 2.10 2.15 2.20 2.25 2.30



#17

Methyl tert-butyl Ether

Concen: 1.152 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

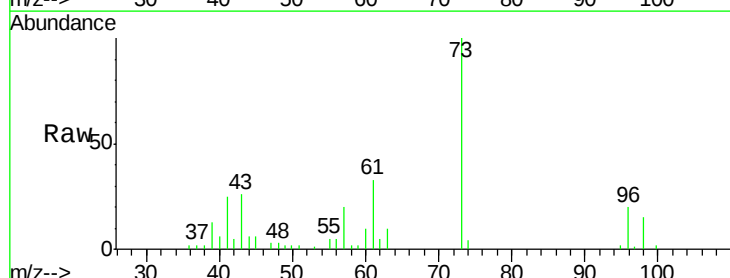
Tgt Ion: 73 Resp: 22837

Ion Ratio Lower Upper

73 100

43 27.5 20.1 30.1

57 21.0 17.8 26.8



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

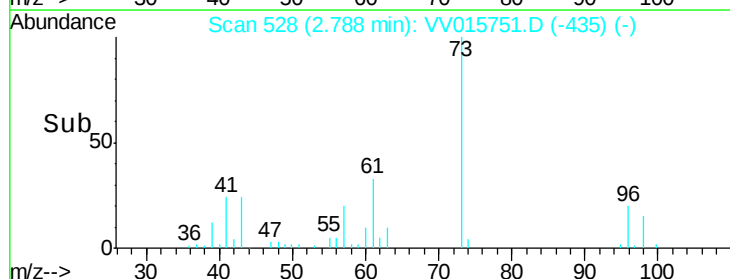
15000

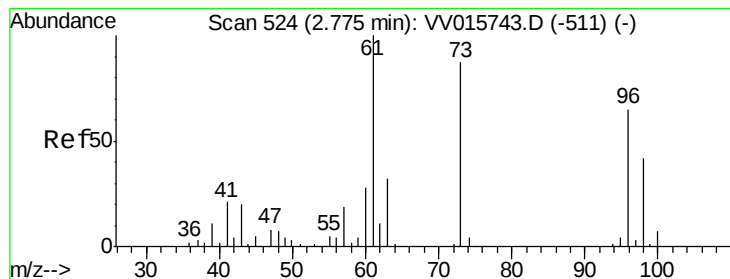
10000

5000

0

Time--> 2.70 2.75 2.80 2.85 2.90





#18

trans-1,2-Dichloroethene

Concen: 0.662 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

Instrument :

MSVOA_V

ClientSampled :

BFS7

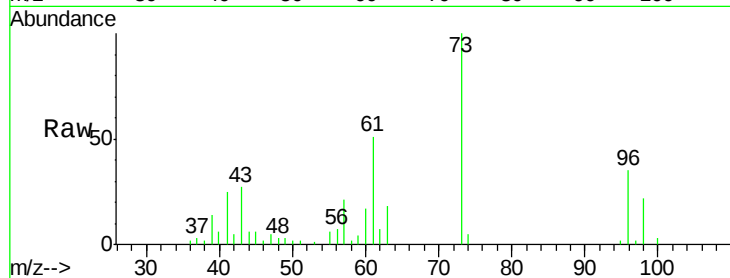
Tot Ion: 96 Resp: 5231

Ion Ratio Lower Upper

96 100

61 144.6 105.5 195.9

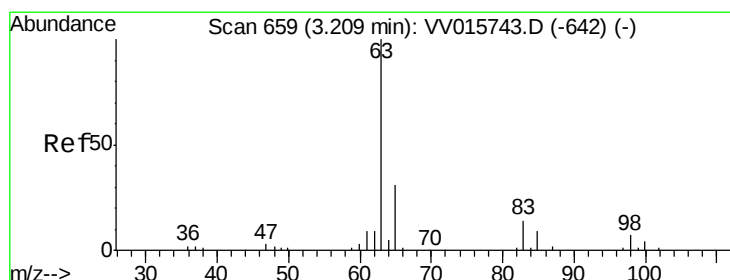
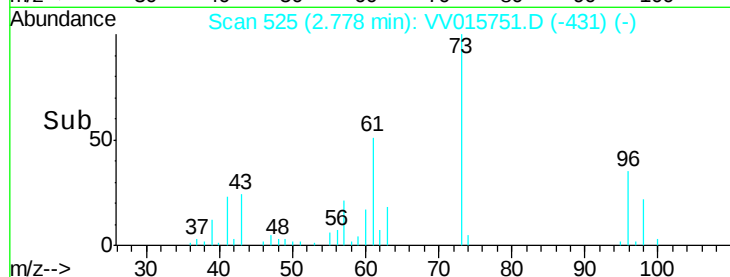
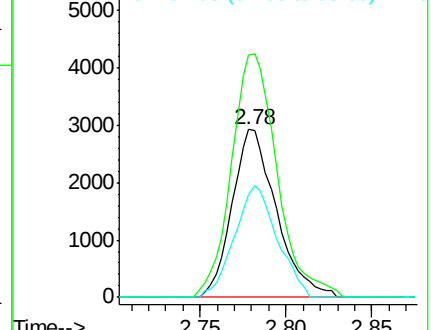
98 61.7 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 0.113 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV015751.D

Acq: 28 Apr 2020 16:51

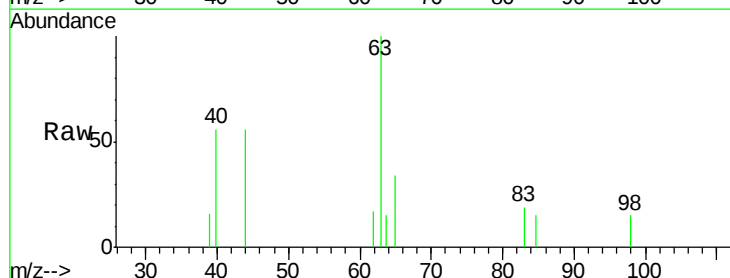
Tgt Ion: 63 Resp: 1754

Ion Ratio Lower Upper

63 100

65 29.6 22.3 41.3

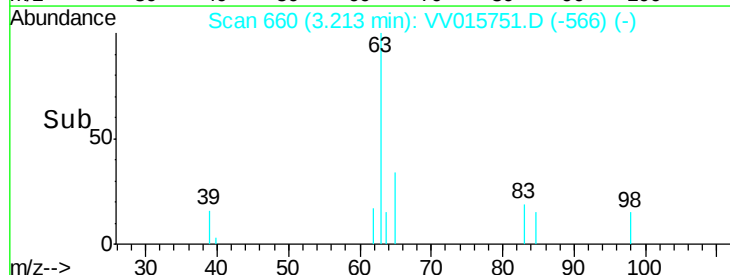
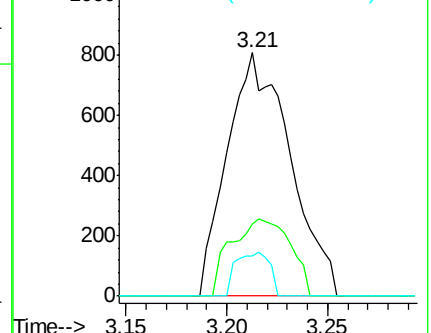
83 16.5 9.3 17.3

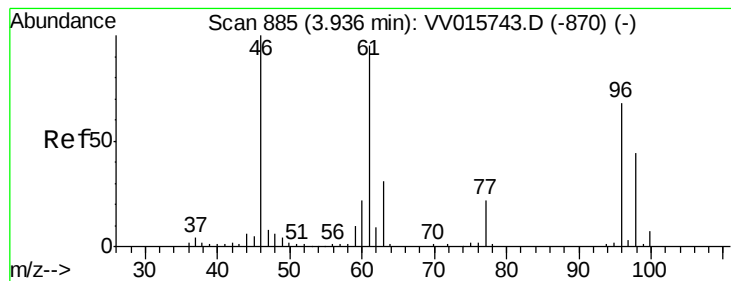


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



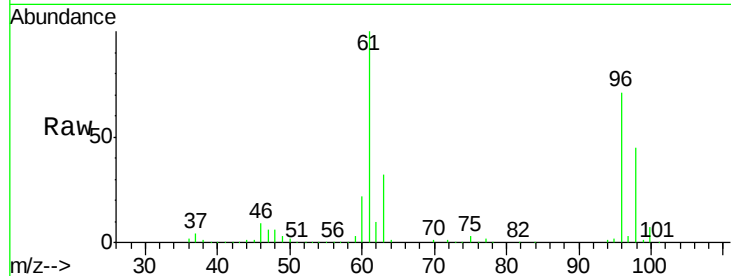


#22

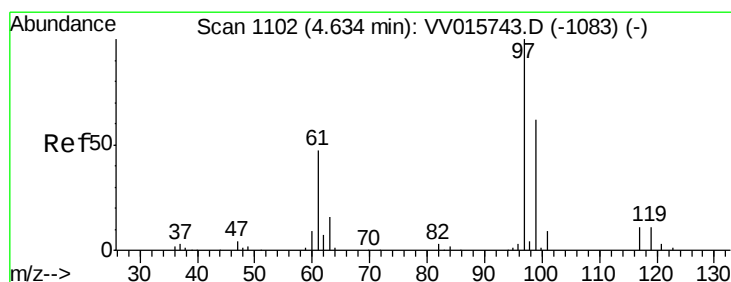
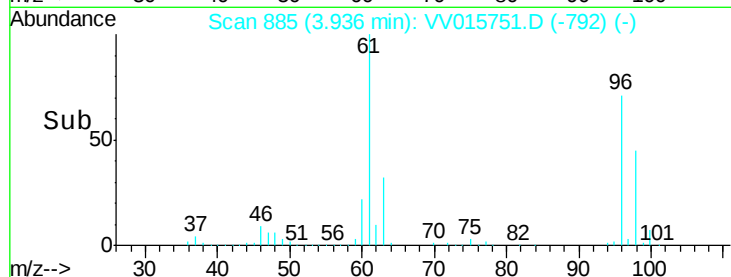
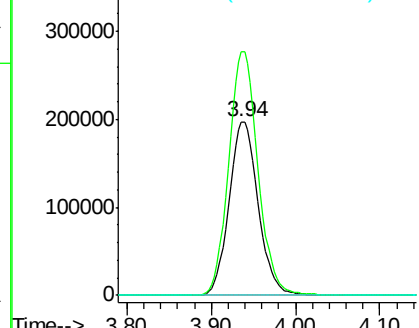
cis-1,2-Dichloroethene
 Concen: 54.013 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS7

Tot Ion: 96 Resp: 472116
 Ion Ratio Lower Upper
 96 100
 61 140.5 96.4 179.0
 68 0.0 0.0 0.0



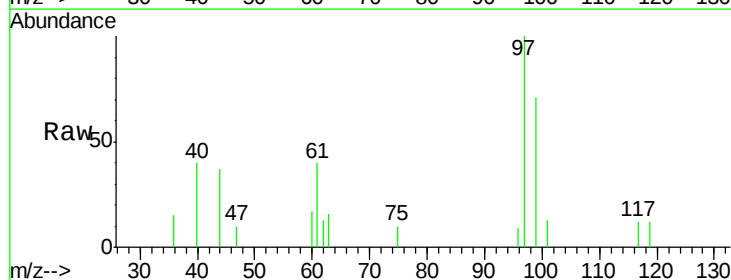
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



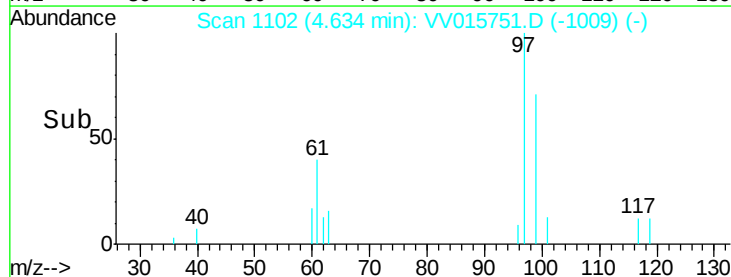
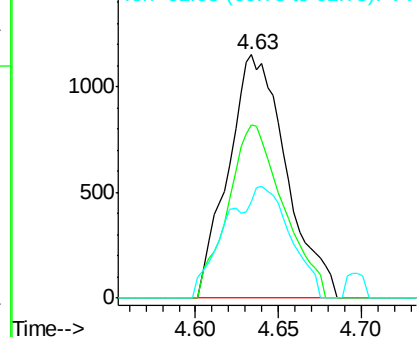
#29

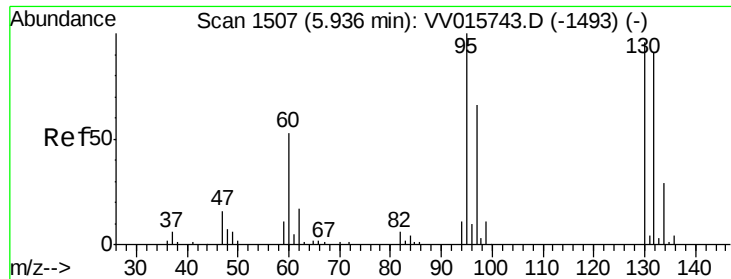
1,1,1-Trichloroethane
 Concen: 0.187 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Tgt Ion: 97 Resp: 2808
 Ion Ratio Lower Upper
 97 100
 99 67.7 51.6 77.4
 61 33.9 38.6 57.8#



Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

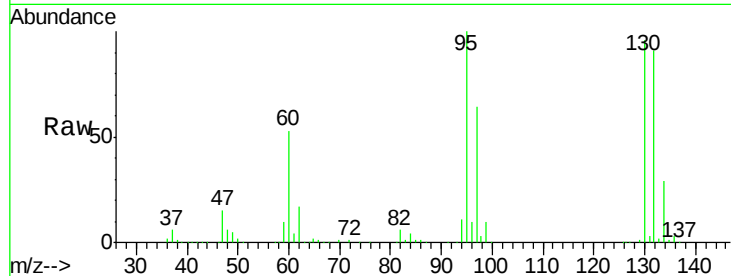




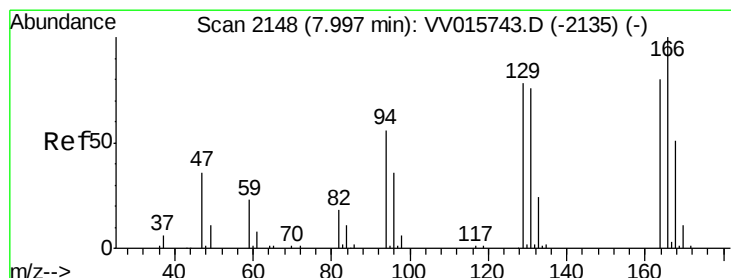
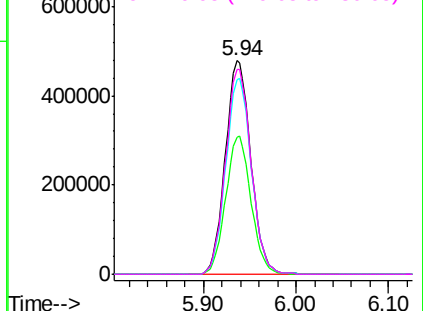
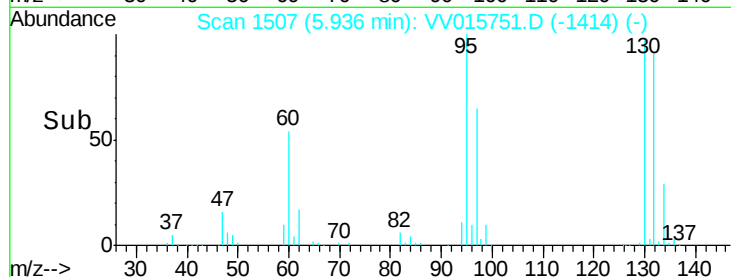
#34
 Trichloroethene
 Concen: 97.873 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS7

Tot Ion: 95 Resp: 914491
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.7 82.9
 132 90.9 65.2 121.0
 130 96.2 65.0 120.6

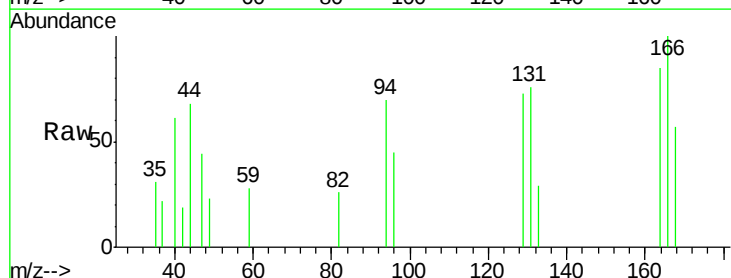


Abundance Ion 95.00 (94.70 to 95.70): VV015751.D (-1414) (-)
 Ion 96.95 (96.65 to 97.65): VV015751.D (-1414) (-)
 Ion 131.95 (131.65 to 132.65): VV015751.D (-1414) (-)
 Ion 129.95 (129.65 to 130.65): VV015751.D (-1414) (-)



#47
 Tetrachloroethene
 Concen: 0.110 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015751.D
 Acq: 28 Apr 2020 16:51

Tgt Ion: 164 Resp: 740
 Ion Ratio Lower Upper
 164 100
 129 85.3 66.7 123.9
 131 89.3 66.6 123.6
 166 117.3 85.3 158.5



Abundance Ion 163.90 (163.60 to 164.60): VV015751.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV015751.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV015751.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV015751.D (-2055) (-)

