

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081318\
 Data File : VV007010.D
 Acq On : 13 Aug 2018 16:55
 Operator : SY/MD
 Sample : J4451-10MS
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 14 05:37:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 14 05:35:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	232871	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	219715	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89274	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60553	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	57018	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.13	63	127915	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	3.97	46	227852	52.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.42%
24) Chloroform-d	4.41	84	145755	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.09	65	78317	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.10	84	263018	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.12	67	96301	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.37	98	191175	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	7.67	79	30882	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.15	63	112226	40.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	75305	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	74813	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

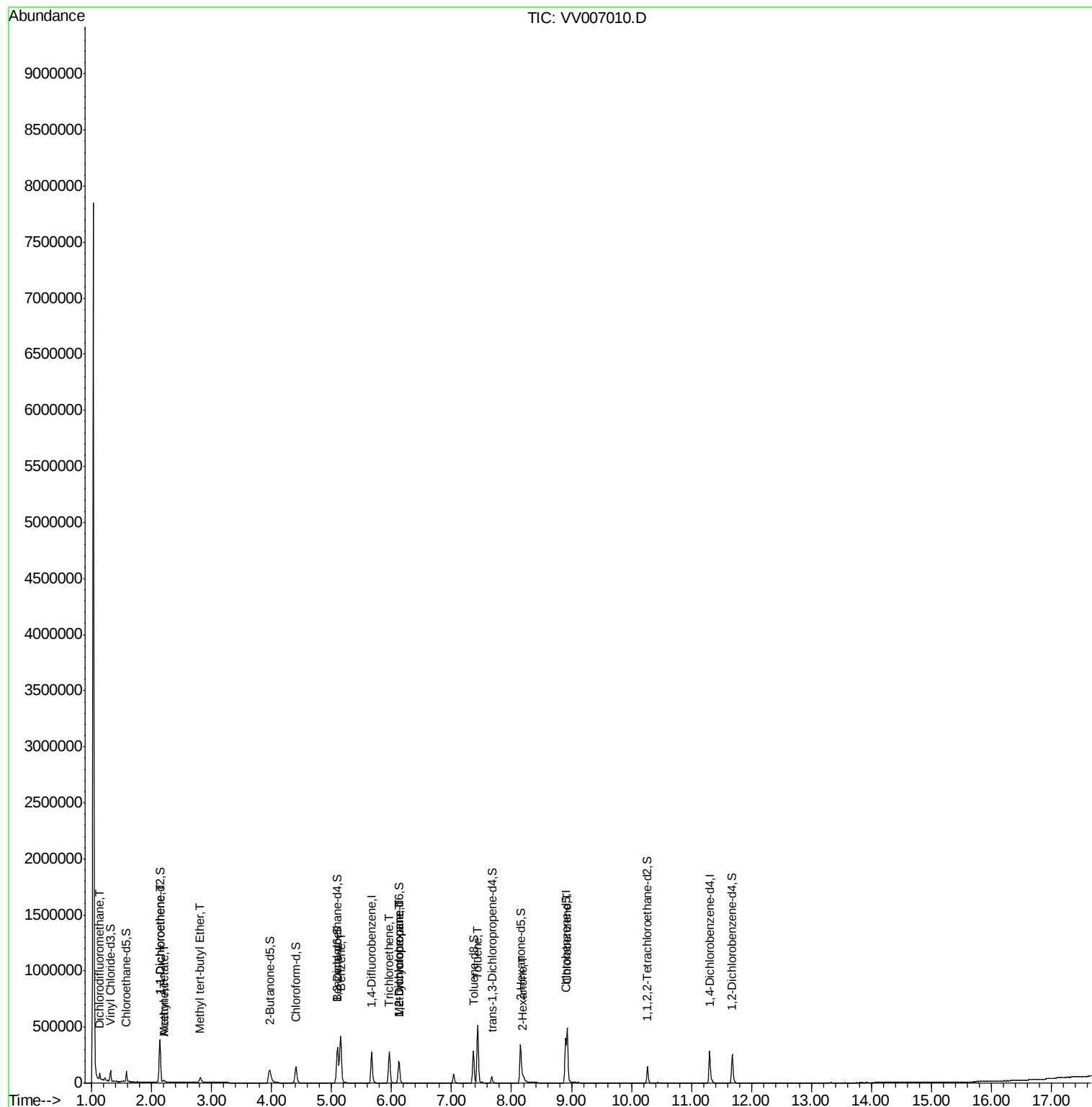
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	29669	1.308	ug/L	98
12) 1,1-Dichloroethene	2.14	96	89313	5.341	ug/L	85
13) Acetone	2.21	43	15099	6.783	ug/L	93
15) Methyl Acetate	2.21	43	14601	2.331	ug/L #	44
17) Methyl tert-butyl Ether	2.82	73	39409	0.983	ug/L	98
33) Benzene	5.15	78	419613	5.513	ug/L	100
34) Trichloroethene	5.96	95	98509	5.397	ug/L	97
35) Methylcyclohexane	6.12	83	22921	0.782	ug/L #	15
37) 1,2-Dichloropropane	6.12	63	10303	0.494	ug/L #	88
42) Toluene	7.44	91	379680	5.191	ug/L	99
48) 2-Hexanone	8.20	43	20421	2.573	ug/L	90
51) Chlorobenzene	8.93	112	255690	5.484	ug/L	99

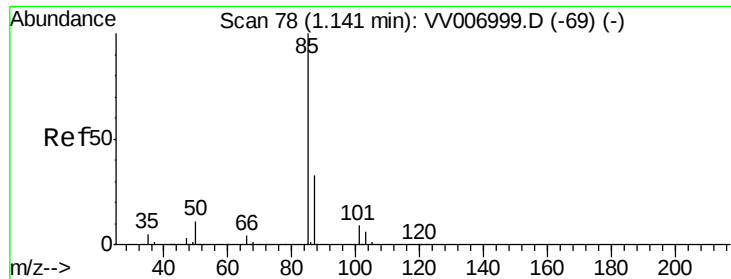
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 14 05:35:33 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.308 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007010.D

Acq: 13 Aug 2018 16:55

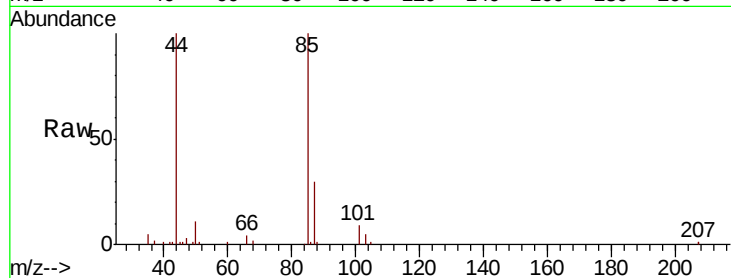
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 29669

Ion Ratio Lower Upper

85 100

87 30.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006999.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV006999.D (-69) (-)

1.14

30000

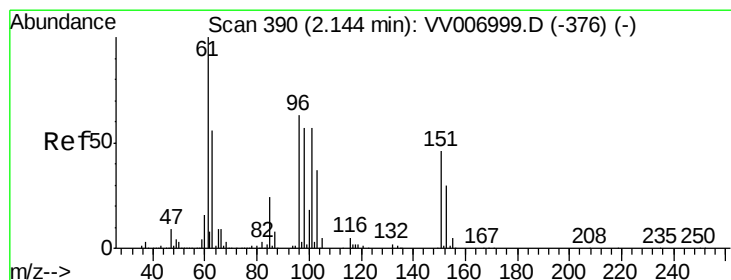
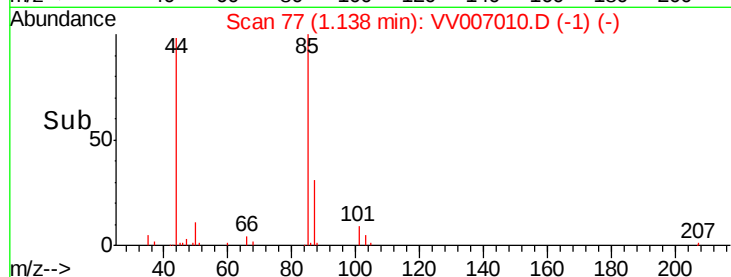
20000

10000

0

Time-->

1.10 1.15 1.20



#12

1,1-Dichloroethene

Concen: 5.341 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV007010.D

Acq: 13 Aug 2018 16:55

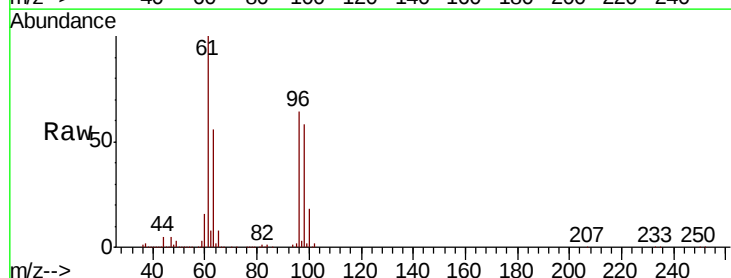
Tgt Ion: 96 Resp: 89313

Ion Ratio Lower Upper

96 100

61 155.8 111.6 207.4

63 87.3 84.9 157.7



Abundance Ion 96.00 (95.70 to 96.70): VV006999.D (-376) (-)

Ion 61.05 (60.75 to 61.75): VV006999.D (-376) (-)

Ion 63.00 (62.70 to 63.70): VV006999.D (-376) (-)

2.14

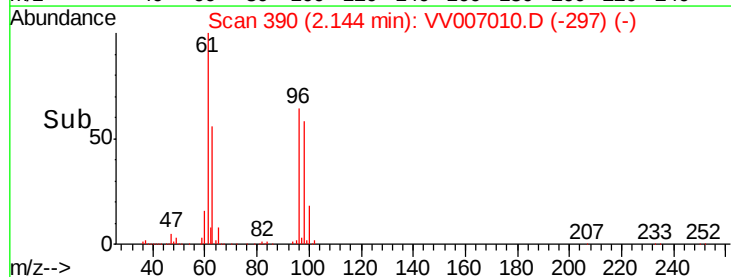
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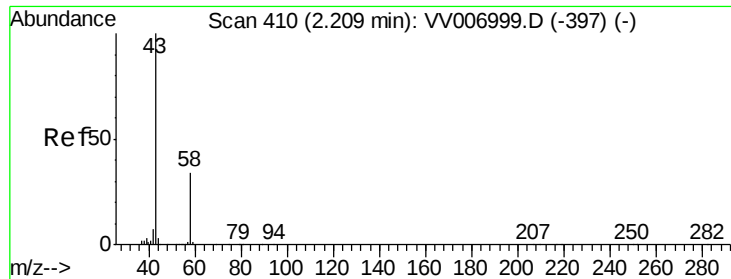
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Time-->

2.05 2.10 2.15 2.20

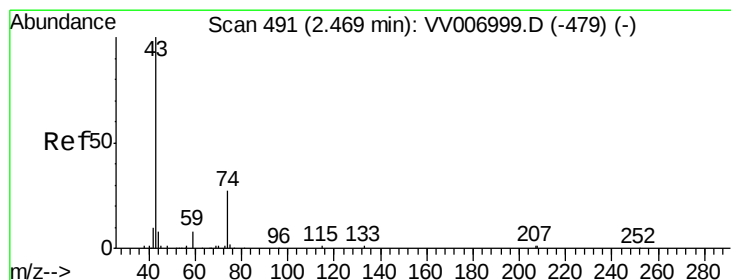
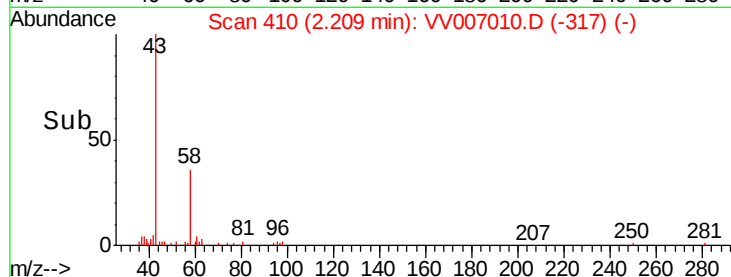
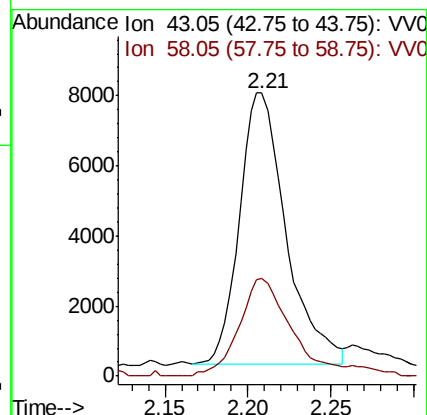
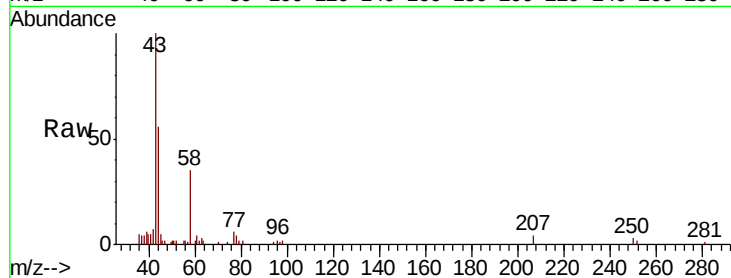




#13
Acetone
Concen: 6.783 ug/L
RT: 2.21 min Scan# 410
Delta R.T. -0.00 min
Lab File: VV007010.D
Acq: 13 Aug 2018 16:55

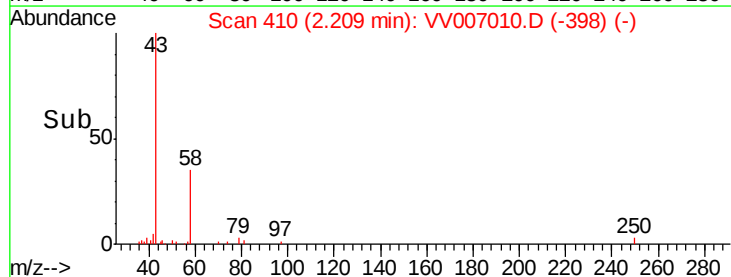
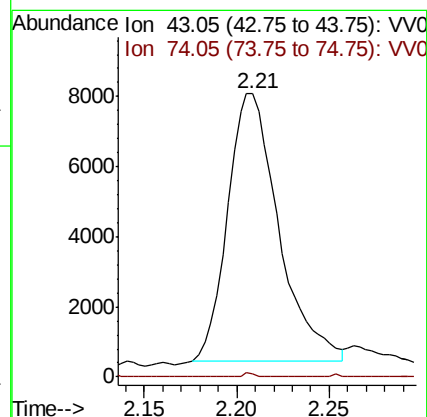
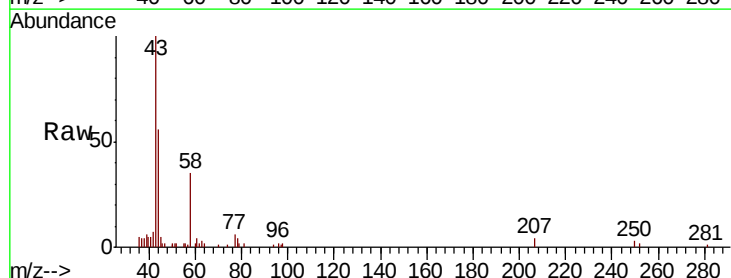
Instrument :
MSVOA_V
ClientSampleId :

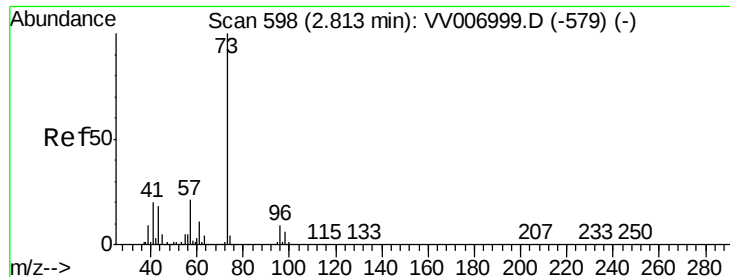
Tot Ion: 43 Resp: 15099
Ion Ratio Lower Upper
43 100
58 39.7 0.0 71.4



#15
Methyl Acetate
Concen: 2.331 ug/L
RT: 2.21 min Scan# 410
Delta R.T. -0.26 min
Lab File: VV007010.D
Acq: 13 Aug 2018 16:55

Tgt Ion: 43 Resp: 14601
Ion Ratio Lower Upper
43 100
74 0.3 24.6 37.0#

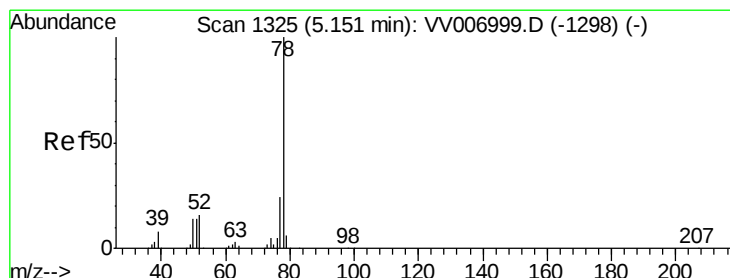
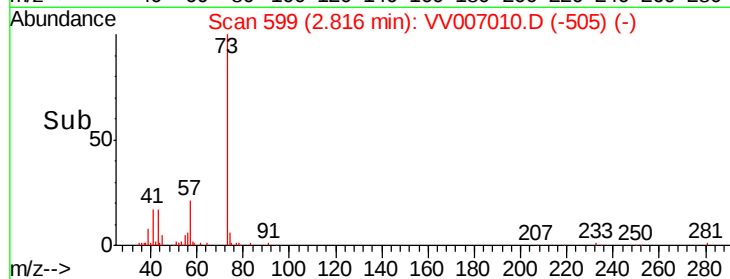
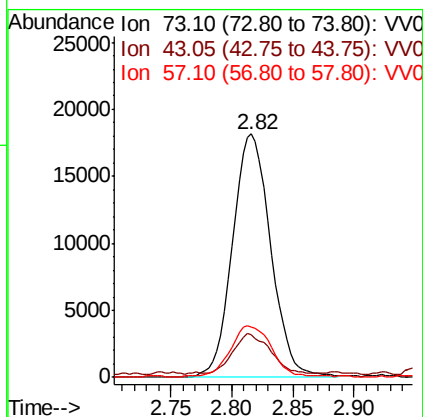
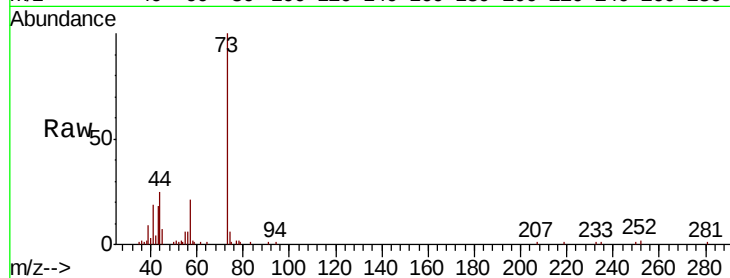




#17
Methvl tert-butvl Ether
Concen: 0.983 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007010.D
Acq: 13 Aug 2018 16:55

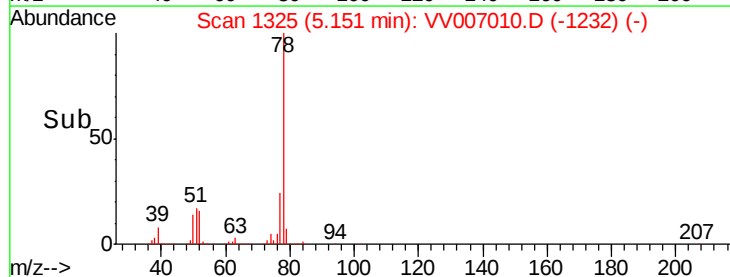
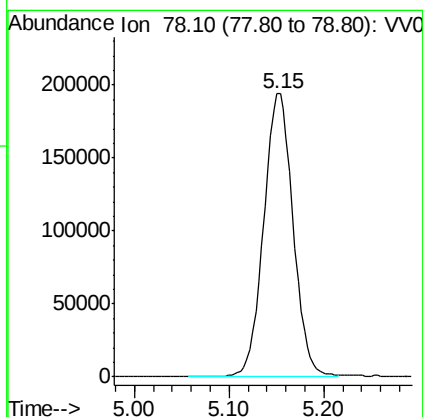
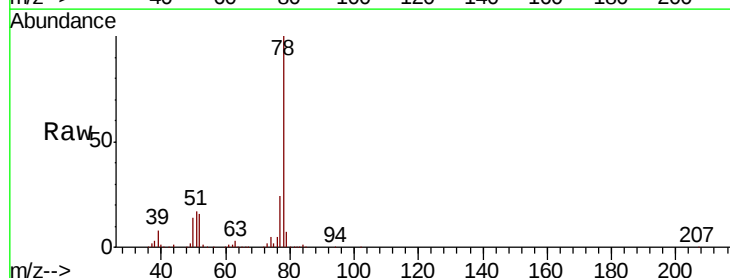
Instrument :
MSVOA_V
ClientSampleId :

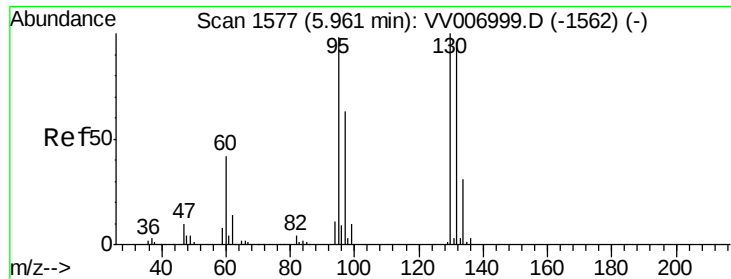
Tot Ion: 73 Resp: 39409
Ion Ratio Lower Upper
73 100
43 16.4 14.4 21.6
57 23.0 17.9 26.9



#33
Benzene
Concen: 5.513 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV007010.D
Acq: 13 Aug 2018 16:55

Tgt Ion: 78 Resp: 419613

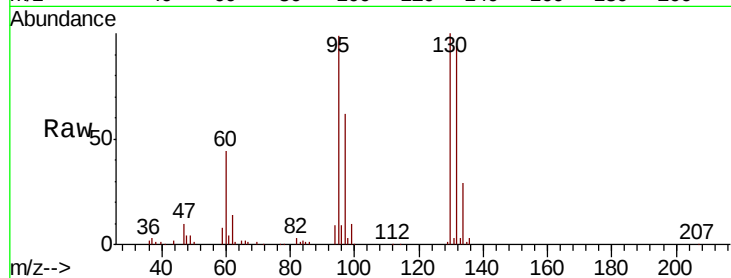




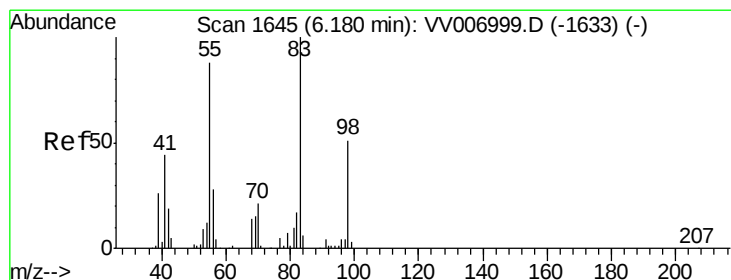
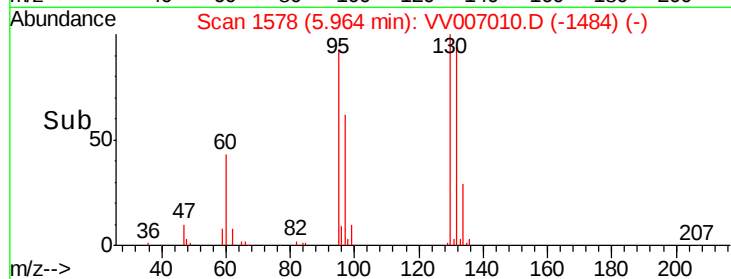
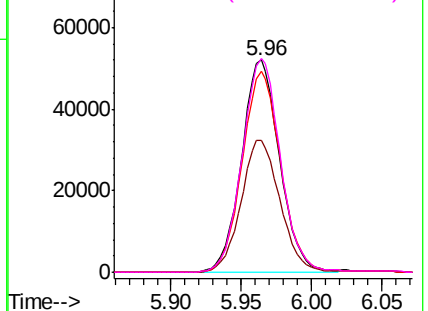
#34
 Trichloroethene
 Concen: 5.397 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007010.D
 Acq: 13 Aug 2018 16:55

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	98509
Ion	Ratio	Lower	Upper
95	100		
97	62.4	44.8	83.2
132	95.0	65.5	121.6
130	100.7	66.4	123.4

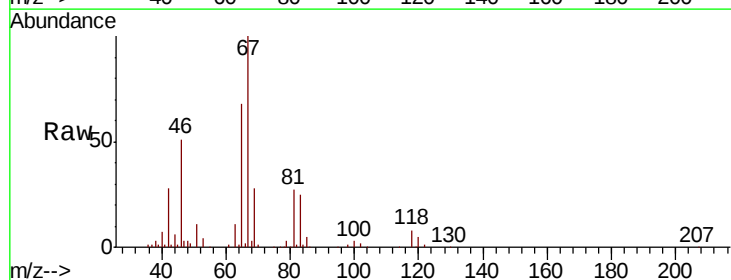


Abundance Ion 95.00 (94.70 to 95.70): VV006999.D (-1562) (-)
 Ion 96.95 (96.65 to 97.65): VV006999.D (-1562) (-)
 Ion 131.95 (131.65 to 132.65): VV006999.D (-1562) (-)
 Ion 129.95 (129.65 to 130.65): VV006999.D (-1562) (-)

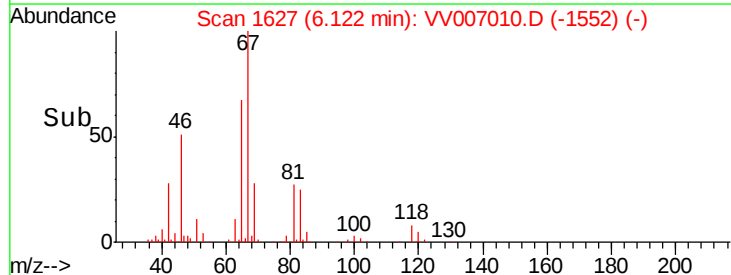
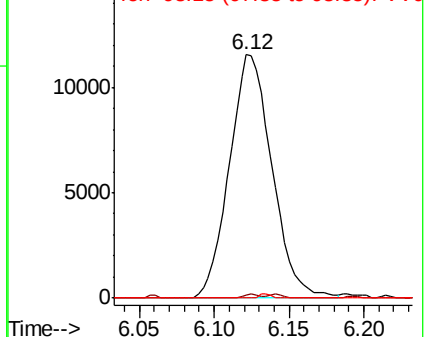


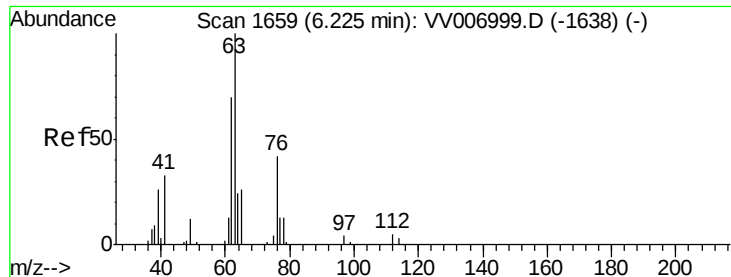
#35
 Methylcyclohexane
 Concen: 0.782 ug/L
 RT: 6.12 min Scan# 1627
 Delta R.T. -0.06 min
 Lab File: VV007010.D
 Acq: 13 Aug 2018 16:55

Tgt Ion:	83	Resp:	22921
Ion	Ratio	Lower	Upper
83	100		
55	0.7	68.1	102.1#
98	0.0	37.9	56.9#



Abundance Ion 83.15 (82.85 to 83.85): VV006999.D (-1633) (-)
 Ion 55.10 (54.80 to 55.80): VV006999.D (-1633) (-)
 Ion 98.15 (97.85 to 98.85): VV006999.D (-1633) (-)





#37

1,2-Dichloropropane

Concen: 0.494 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV007010.D

Acq: 13 Aug 2018 16:55

Instrument :

MSVOA_V

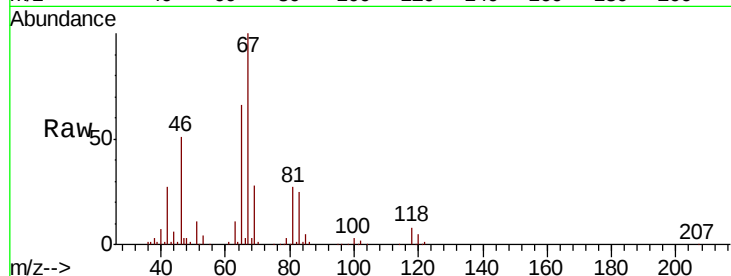
ClientSampleId :

Tot Ion: 63 Resp: 10303

Ion Ratio Lower Upper

63 100

112 0.4 3.5 5.3#



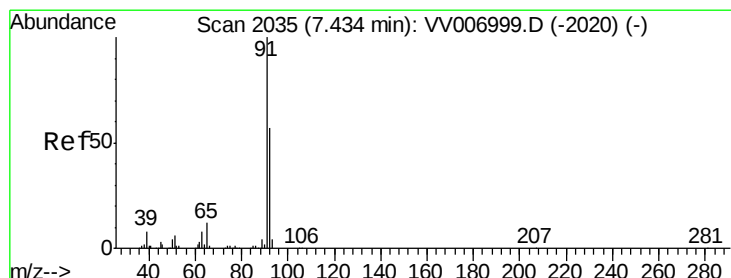
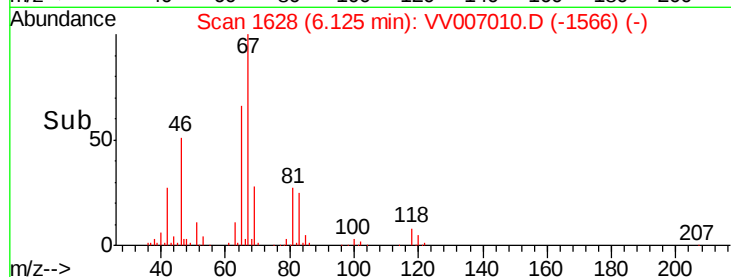
Abundance Ion 63.10 (62.80 to 63.80): VV006999.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VV006999.D (-1638) (-)

6.12

6.05 6.10 6.15 6.20

Time-->



#42

Toluene

Concen: 5.191 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007010.D

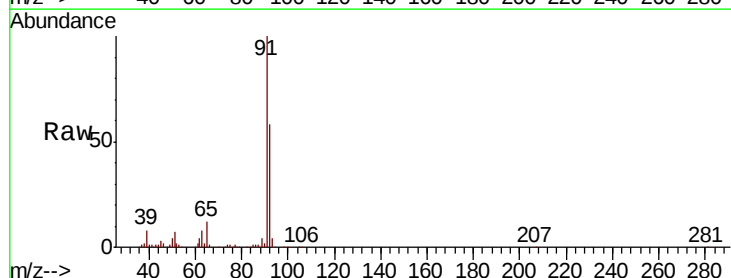
Acq: 13 Aug 2018 16:55

Tgt Ion: 91 Resp: 379680

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



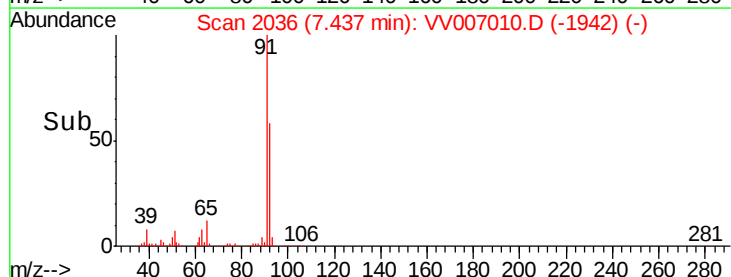
Abundance Ion 91.15 (90.85 to 91.85): VV006999.D (-2020) (-)

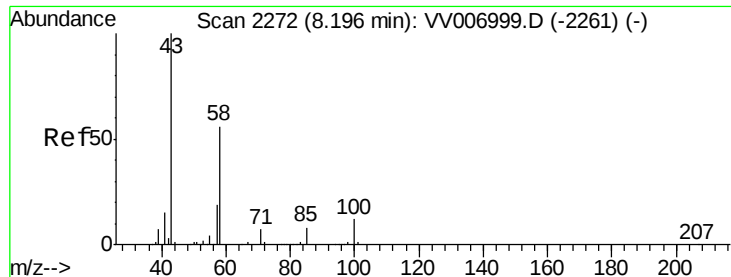
Ion 92.15 (91.85 to 92.85): VV006999.D (-2020) (-)

7.44

7.40 7.50

Time-->

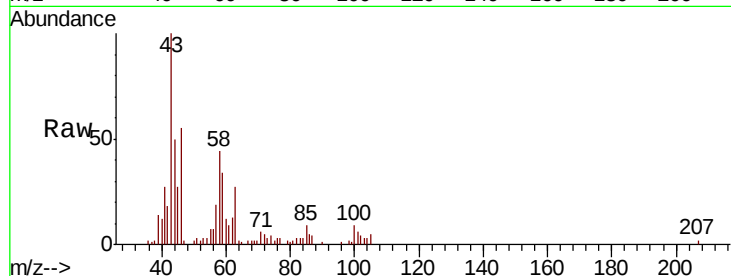




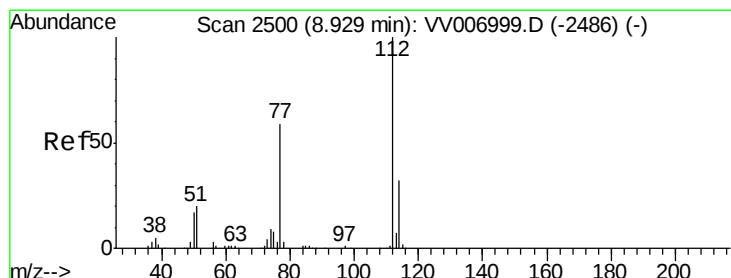
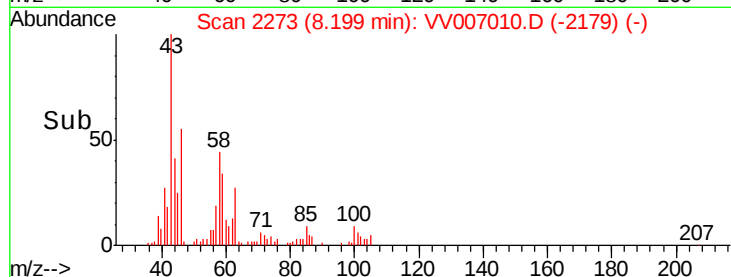
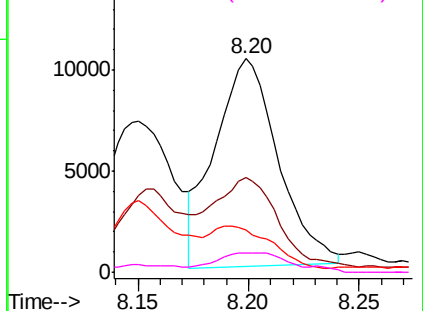
#48
2-Hexanone
Concen: 2.573 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007010.D
Acq: 13 Aug 2018 16:55

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	20421
Ion	Ratio	Lower	Upper
43	100		
58	45.0	44.2	66.2
57	19.4	14.8	22.2
100	11.6	8.8	13.2

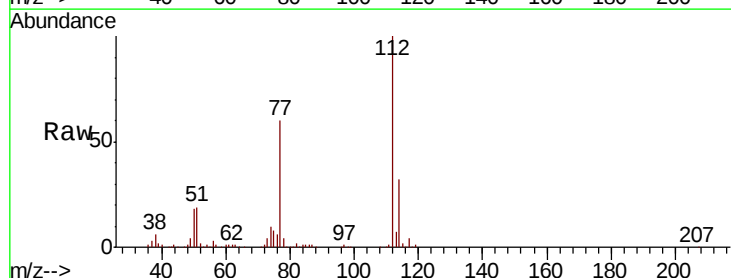


Abundance Ion 43.05 (42.75 to 43.75): VV006999.D (-2261) (-)
Ion 58.05 (57.75 to 58.75): VV006999.D (-2261) (-)
Ion 57.20 (56.90 to 57.90): VV006999.D (-2261) (-)
Ion 100.15 (99.85 to 100.85): VV006999.D (-2261) (-)



#51
Chlorobenzene
Concen: 5.484 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV007010.D
Acq: 13 Aug 2018 16:55

Tgt Ion:	112	Resp:	255690
Ion	Ratio	Lower	Upper
112	100		
114	31.6	21.8	40.6
77	60.5	48.0	72.0



Abundance Ion 112.10 (111.80 to 112.80): VV006999.D (-2486) (-)
Ion 114.05 (113.75 to 114.75): VV006999.D (-2486) (-)
Ion 77.10 (76.80 to 77.80): VV006999.D (-2486) (-)

