

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091218\
 Data File : VV007502.D
 Acq On : 13 Sep 2018 03:41
 Operator : SY/MD
 Sample : J4872-01
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0KN8

Quant Time: Sep 13 07:20:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091218WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 07:19:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	121970	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	113266	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59144	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34046	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.58	69	26339	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.13	63	53123	4.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.80%
20) 2-Butanone-d5	3.96	46	67157	47.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.56%
24) Chloroform-d	4.41	84	63537	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.09	65	34383	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.10	84	127955	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.13	67	38061	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	127919	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.67	79	17211	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.14	63	37025	40.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.78%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	26790	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	52506	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

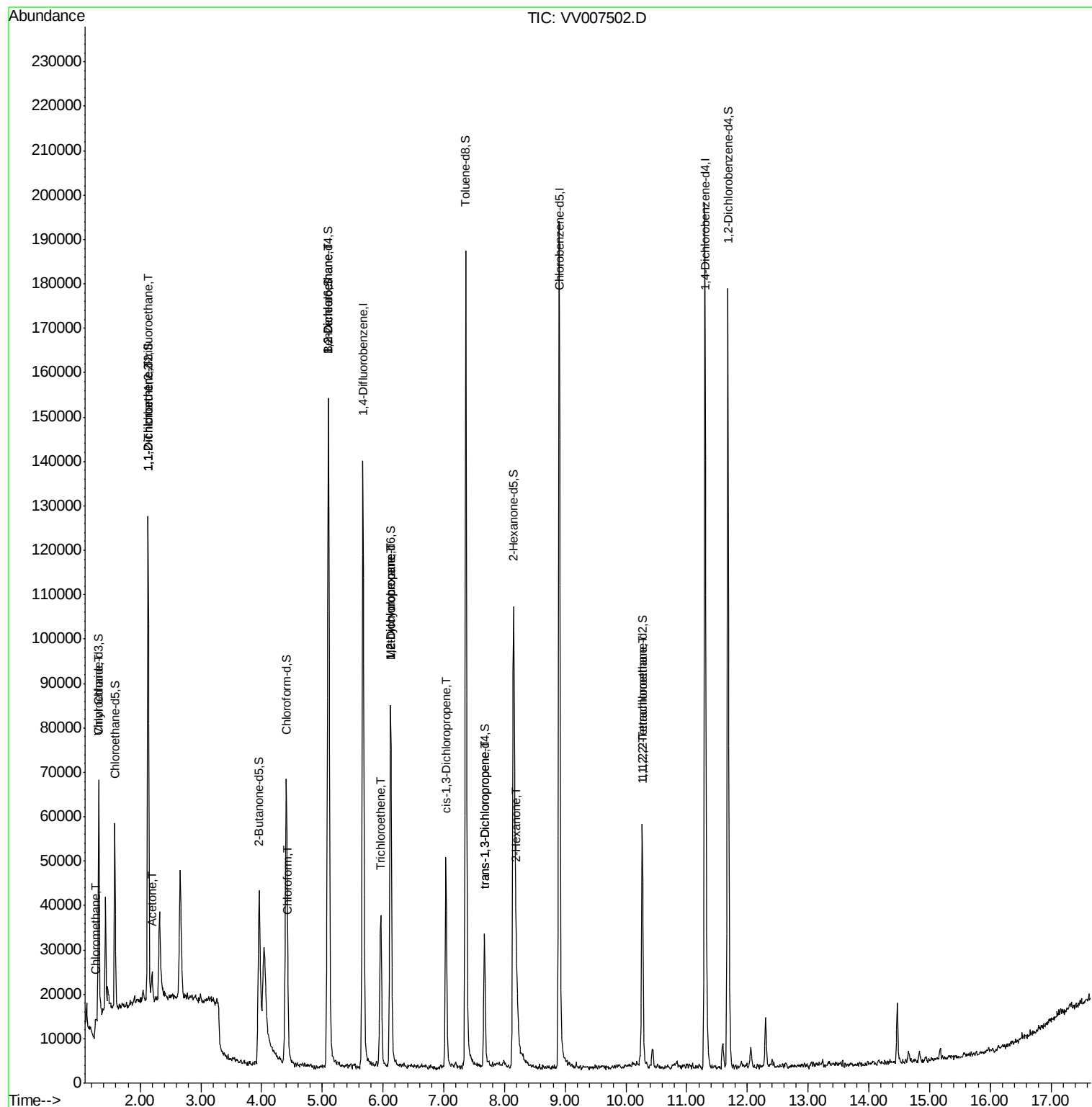
					Qvalue
3) Chloromethane	1.26	50	689	0.111 ug/L	92
8) Chloroethane	1.32	64	502	0.118 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	690	0.097 ug/L #	22
12) 1,1-Dichloroethene	2.14	96	998	0.159 ug/L #	1
13) Acetone	2.20	43	4006	4.883 ug/L	89
25) Chloroform	4.44	83	1001	0.088 ug/L	93
27) 1,2-Dichloroethane	5.10	62	840	0.118 ug/L #	45
34) Trichloroethene	5.96	95	10482	1.407 ug/L	92
35) Methylcyclohexane	6.13	83	10232	0.885 ug/L #	22
37) 1,2-Dichloropropane	6.12	63	4490	0.718 ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1406	0.140 ug/L #	31
44) trans-1,3-Dichloropropene	7.68	75	819	0.097 ug/L	86
48) 2-Hexanone	8.20	43	9218	3.554 ug/L #	80
58) 1,1,2,2-Tetrachloroethane	10.28	83	393	0.076 ug/L #	36

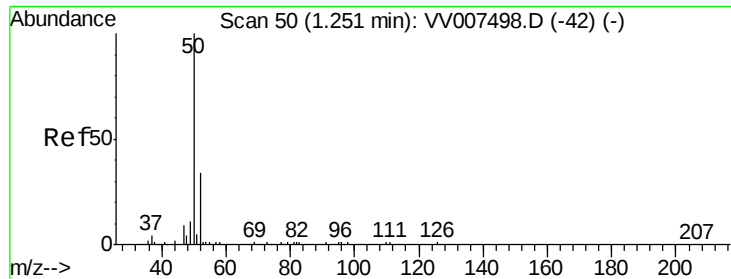
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.111 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007502.D

Acq: 13 Sep 2018 03:41

Instrument :

MSVOA_V

ClientSampleId :

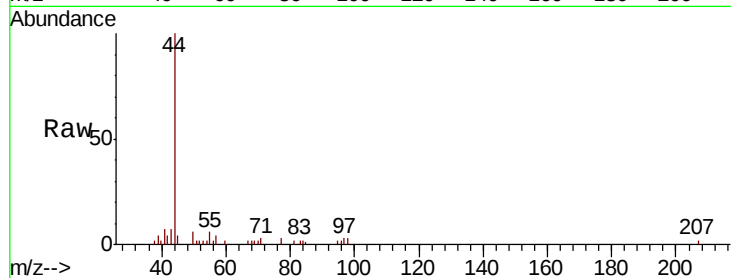
C0KN8

Tgt Ion: 50 Resp: 689

Ion Ratio Lower Upper

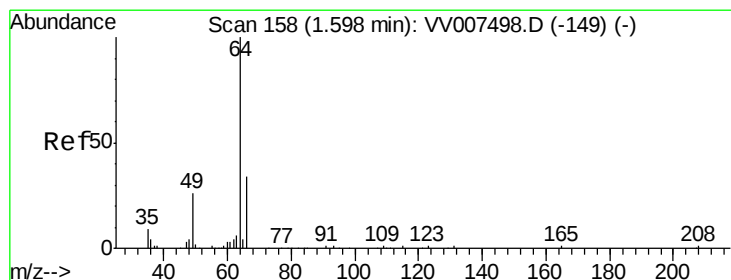
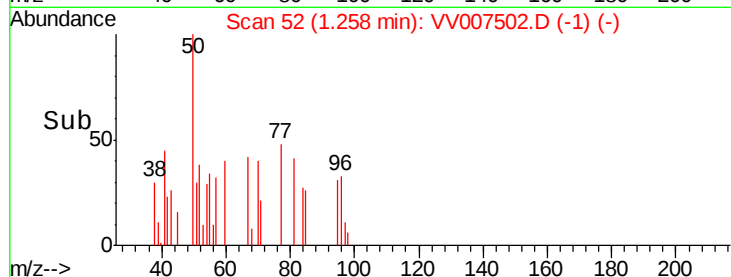
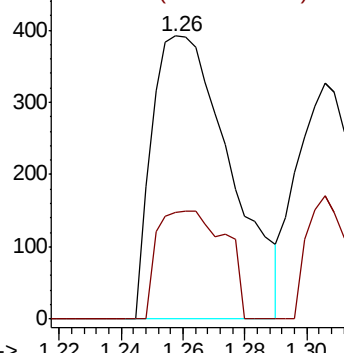
50 100

52 37.8 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.118 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV007502.D

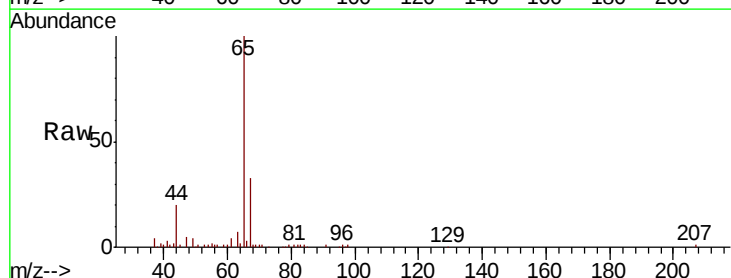
Acq: 13 Sep 2018 03:41

Tgt Ion: 64 Resp: 502

Ion Ratio Lower Upper

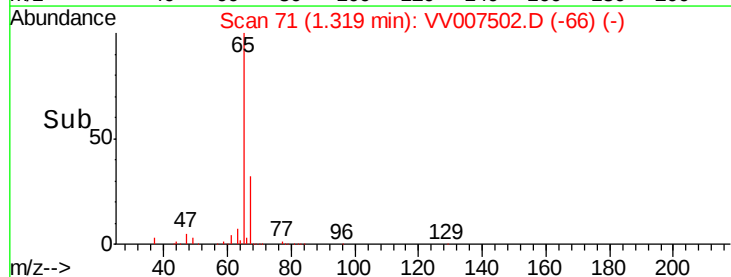
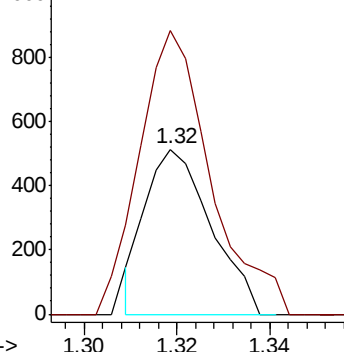
64 100

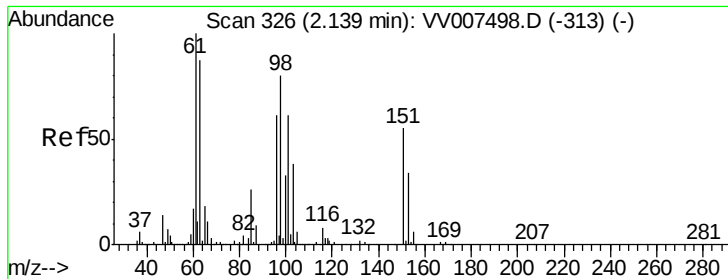
66 171.9 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#10

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

Concen: 0.097 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV007502.D

Acq: 13 Sep 2018 03:41

Instrument :

MSVOA_V

ClientSampled :

C0KN8

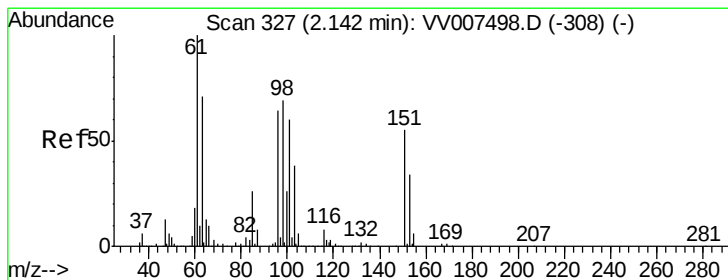
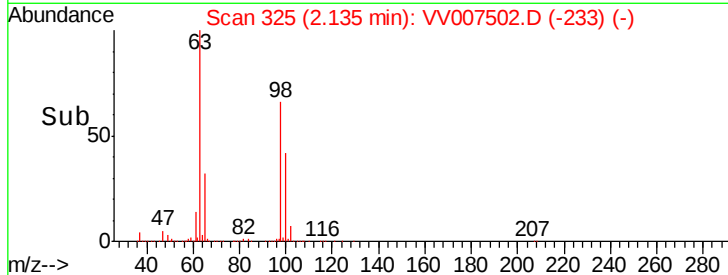
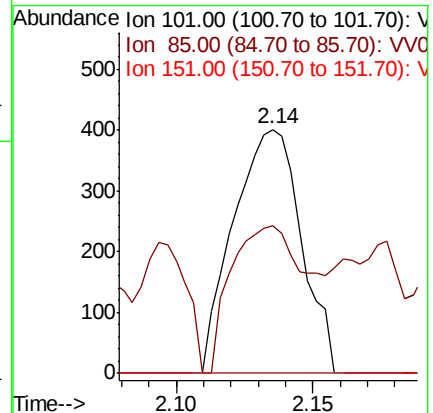
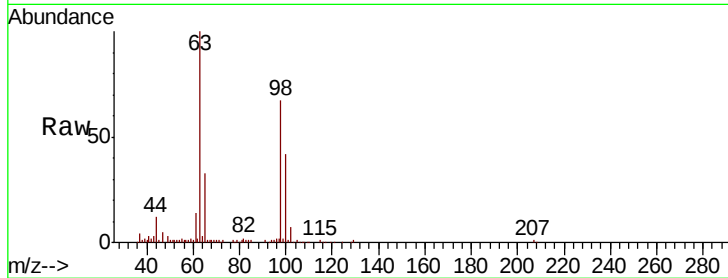
Tgt Ion: 101 Resp: 690

Ion Ratio Lower Upper

101 100

85 70.0 34.5 51.7#

151 0.0 71.4 107.0#



#12

1,1-Dichloroethene

Concen: 0.159 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007502.D

Acq: 13 Sep 2018 03:41

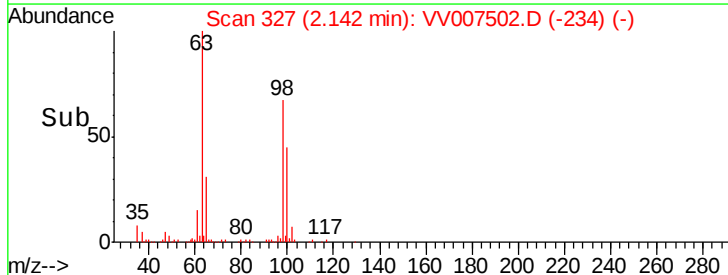
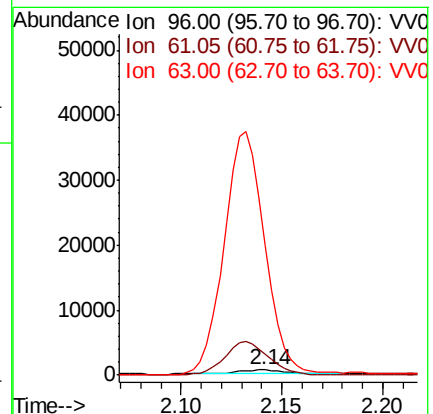
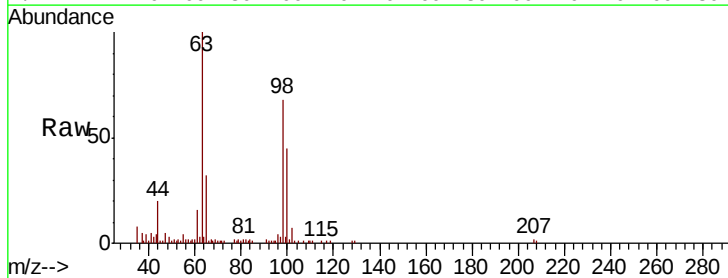
Tgt Ion: 96 Resp: 998

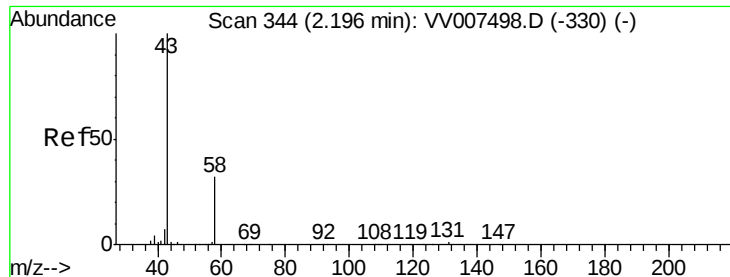
Ion Ratio Lower Upper

96 100

61 389.6 108.0 200.6#

63 2472.2 85.7 159.1#

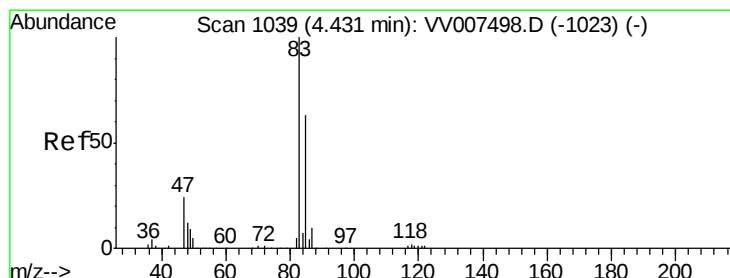
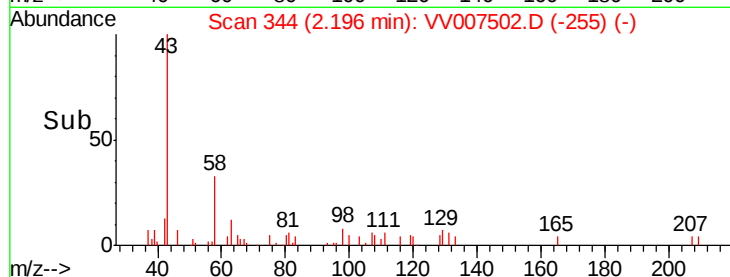
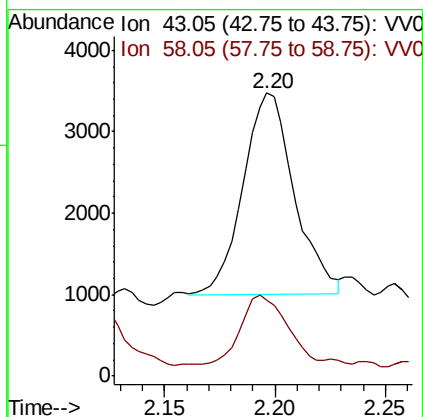
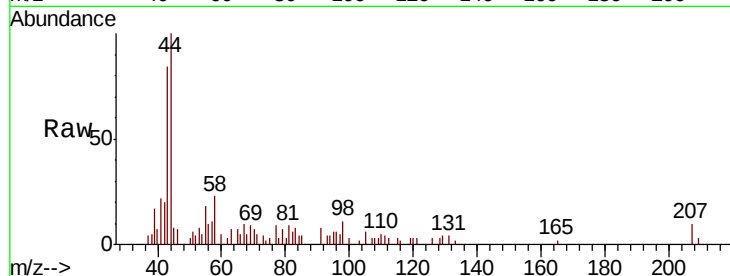




#13
Acetone
Concen: 4.883 ug/L
RT: 2.20 min Scan# 344
Delta R.T. -0.01 min
Lab File: VV007502.D
Acq: 13 Sep 2018 03:41

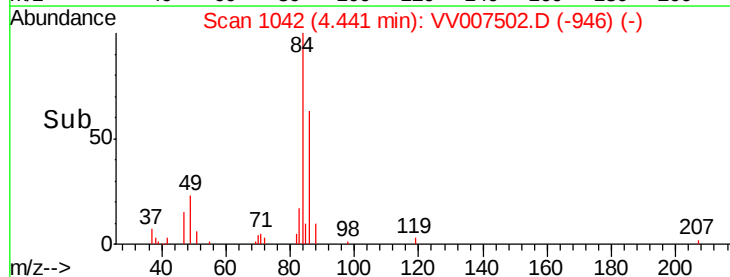
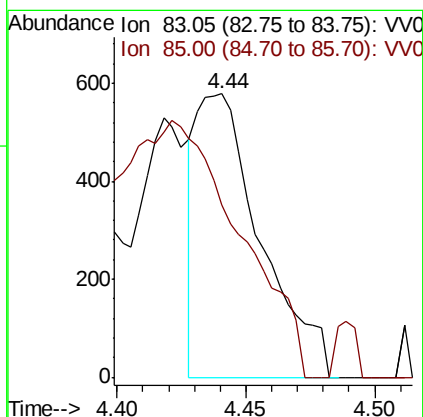
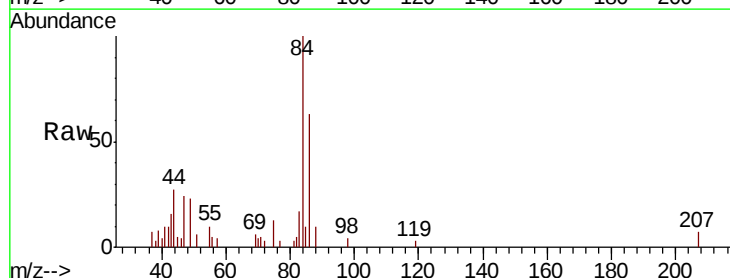
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ClientSampleId :
C0KN8

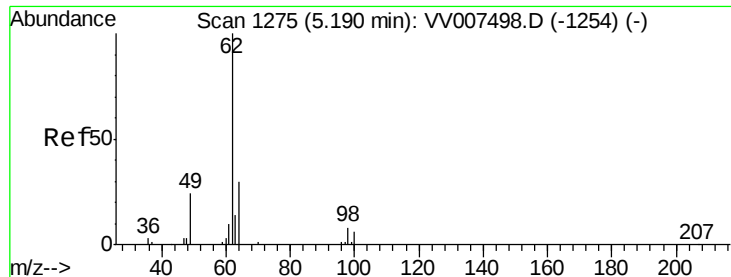
Tgt Ion: 43 Resp: 4006
Ion Ratio Lower Upper
43 100
58 39.1 0.0 65.4



#25
Chloroform
Concen: 0.088 ug/L
RT: 4.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VV007502.D
Acq: 13 Sep 2018 03:41

Tgt Ion: 83 Resp: 1001
Ion Ratio Lower Upper
83 100
85 60.7 46.6 86.6

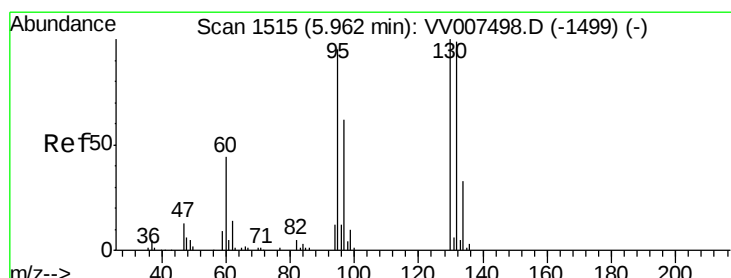
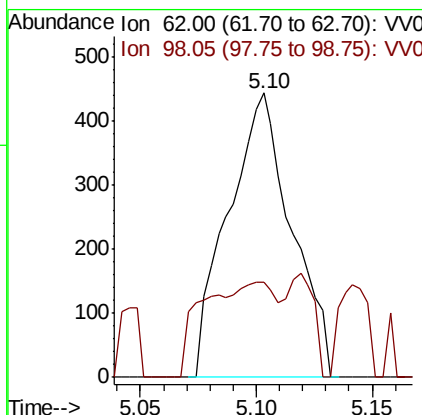
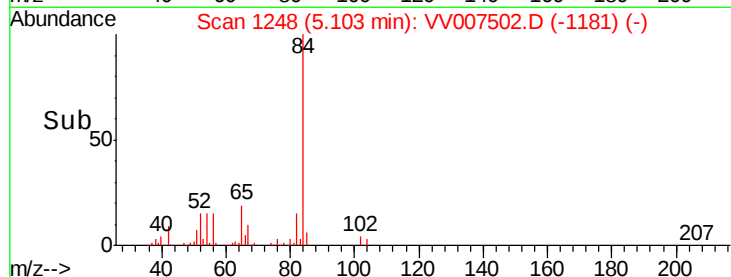
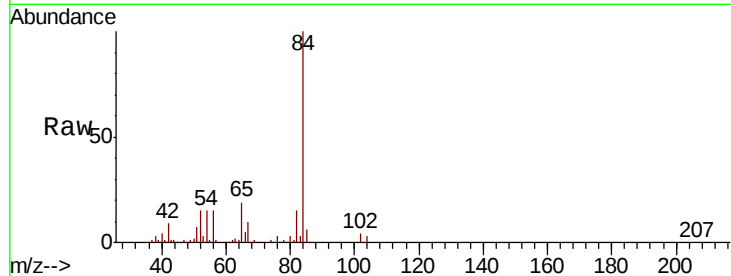




#27
 1,2-Dichloroethane
 Concen: 0.118 ug/L
 RT: 5.10 min Scan# 1248
 Delta R.T. -0.08 min
 Lab File: VV007502.D
 Acq: 13 Sep 2018 03:41

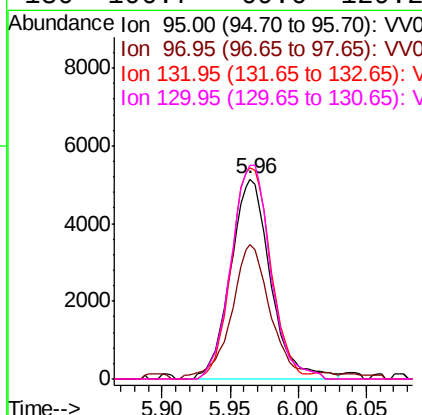
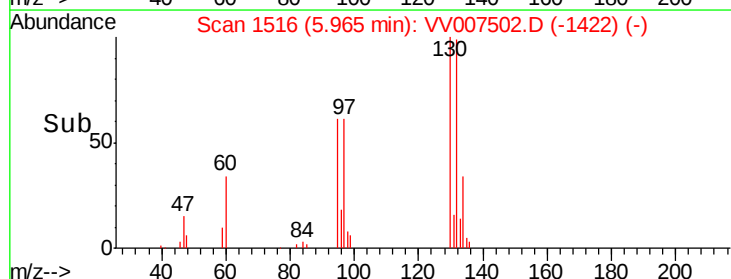
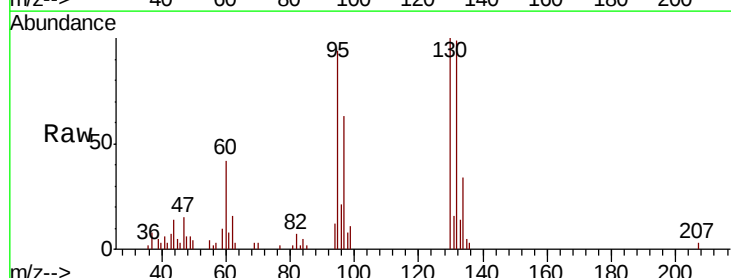
Instrument :
 MSVOA_V
 ClientSampleId :
 C0KN8

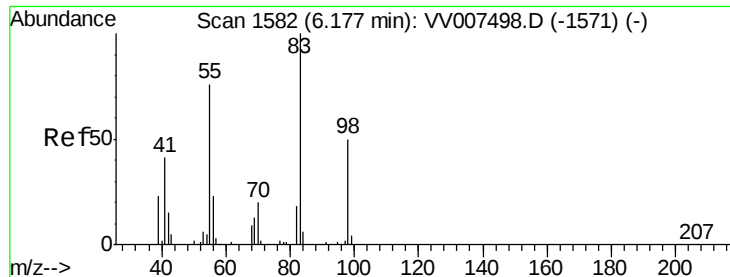
Tgt Ion: 62 Resp: 840
 Ion Ratio Lower Upper
 62 100
 98 33.4 9.5 14.3#



#34
 Trichloroethene
 Concen: 1.407 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007502.D
 Acq: 13 Sep 2018 03:41

Tgt Ion: 95 Resp: 10482
 Ion Ratio Lower Upper
 95 100
 97 67.3 42.8 79.4
 132 105.7 67.6 125.6
 130 106.7 69.6 129.2

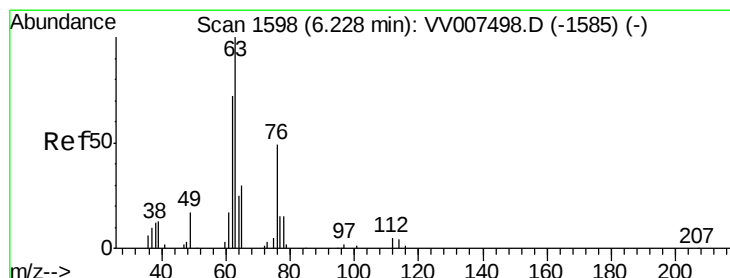
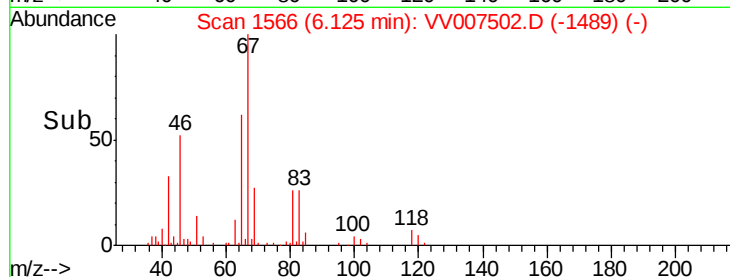
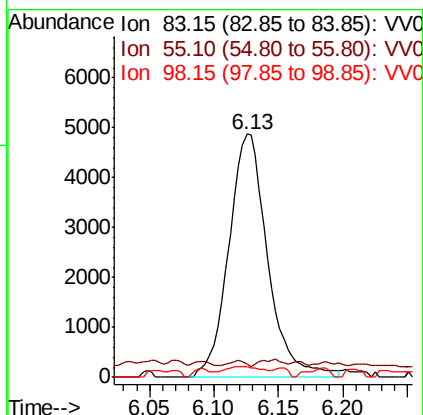
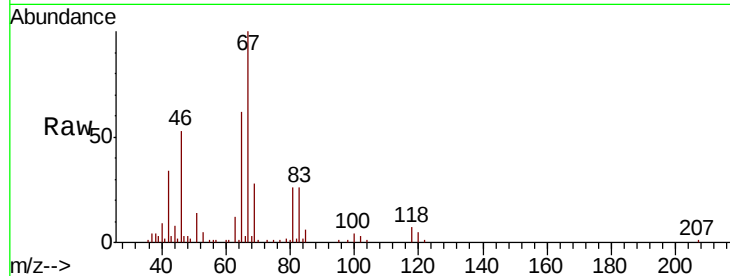




#35
Methylcyclohexane
Concen: 0.885 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV007502.D
Acq: 13 Sep 2018 03:41

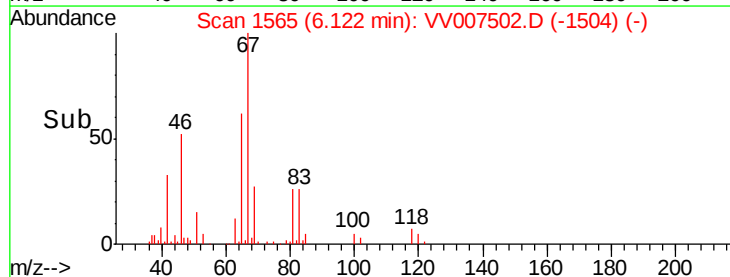
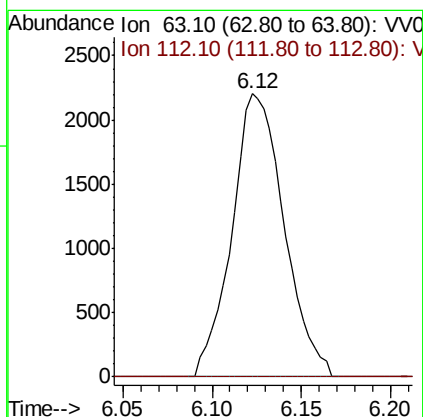
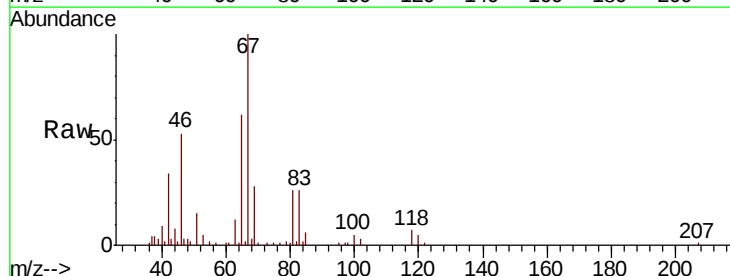
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ClientSampleId :
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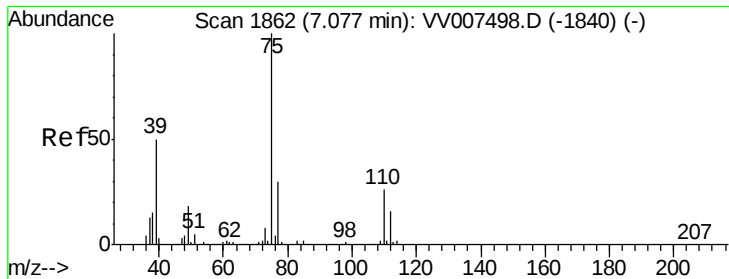
Tgt Ion: 83 Resp: 10232
Ion Ratio Lower Upper
83 100
55 0.8 57.4 86.0#
98 3.1 38.8 58.2#



#37
1,2-Dichloropropane
Concen: 0.718 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV007502.D
Acq: 13 Sep 2018 03:41

Tgt Ion: 63 Resp: 4490
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.140 ug/L

RT: 7.04 min Scan# 1850

Delta R.T. -0.04 min

Lab File: VV007502.D

Acq: 13 Sep 2018 03:41

Instrument :

MSVOA_V

ClientSampleId :

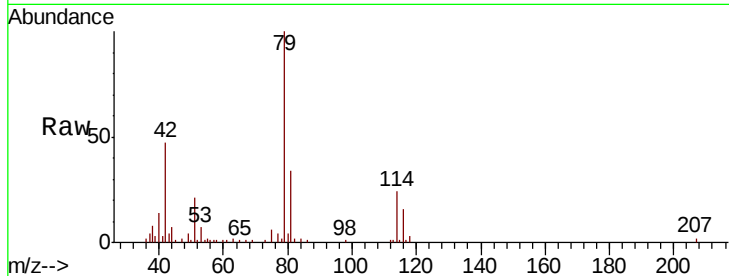
C0KN8

Tgt Ion: 75 Resp: 1406

Ion Ratio Lower Upper

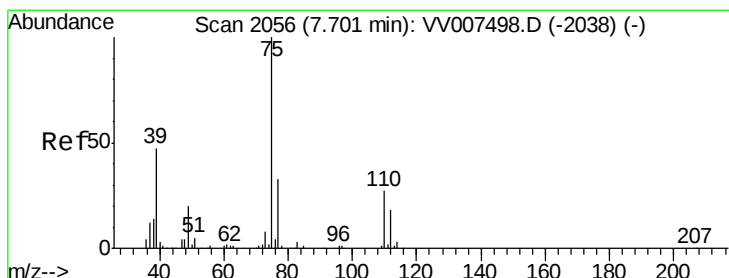
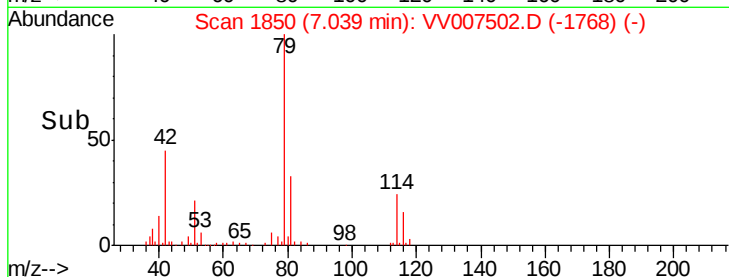
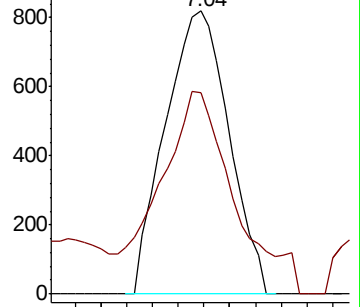
75 100

77 71.3 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. -0.02 min

Lab File: VV007502.D

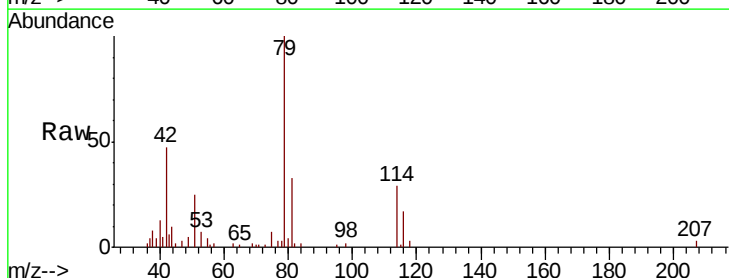
Acq: 13 Sep 2018 03:41

Tgt Ion: 75 Resp: 819

Ion Ratio Lower Upper

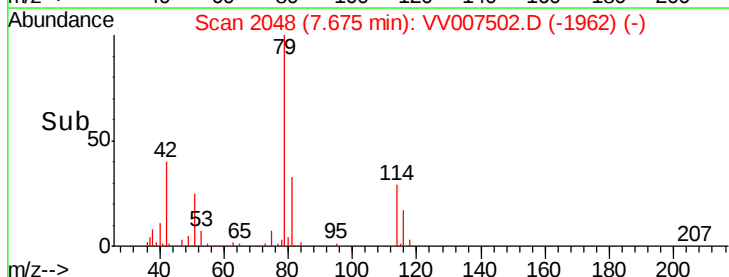
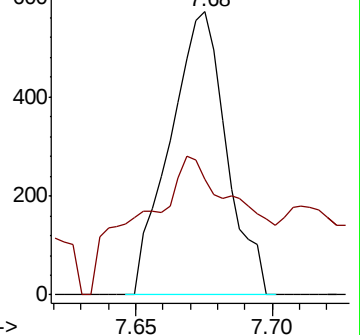
75 100

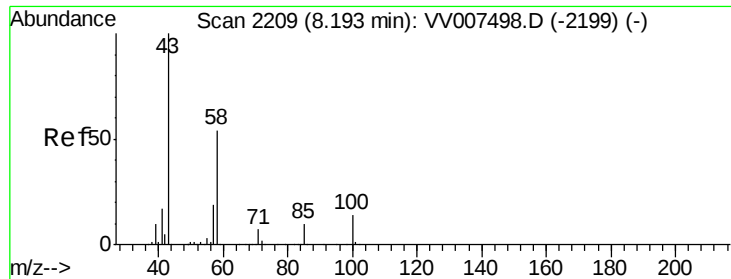
77 40.9 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

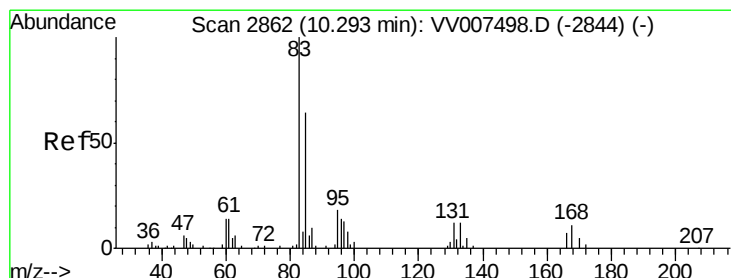
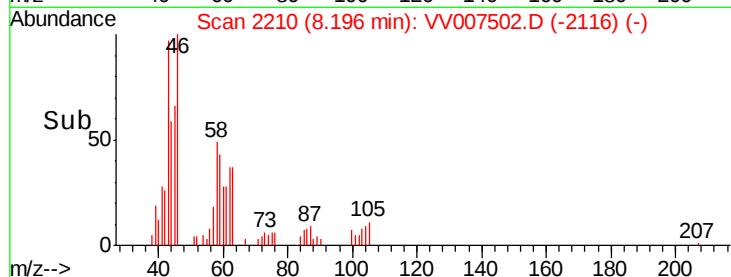
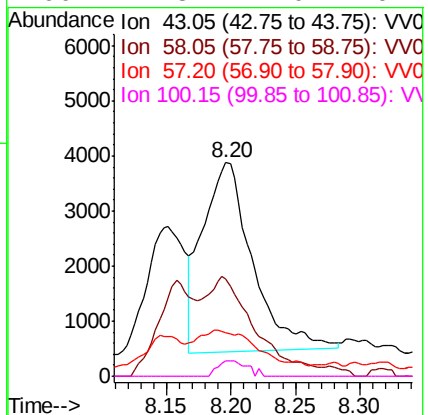
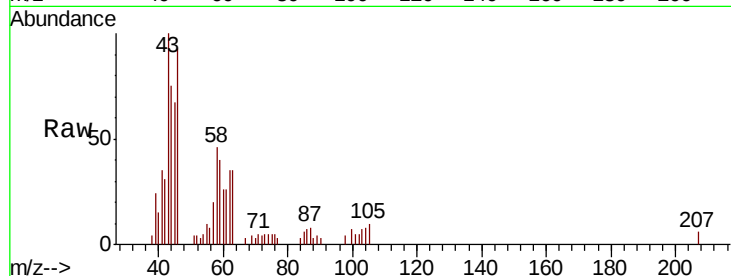




#48
 2-Hexanone
 Concen: 3.554 ug/L
 RT: 8.20 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: VV007502.D
 Acq: 13 Sep 2018 03:41

Instrument :
 MSVOA_V
 ClientSampleId :
 C0KN8

Tgt Ion: 43 Resp: 9218
 Ion Ratio Lower Upper
 43 100
 58 41.1 47.9 71.9#
 57 19.2 16.2 24.2
 100 4.8 11.0 16.4#



#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.076 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: VV007502.D
 Acq: 13 Sep 2018 03:41

Tgt Ion: 83 Resp: 393
 Ion Ratio Lower Upper
 83 100
 85 106.2 48.2 89.4#
 131 78.6 8.9 13.3#

