

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121819\
 Data File : VW014427.D
 Acq On : 18 Dec 2019 12:48
 Operator : SY/VA
 Sample : K6270-11RE
 Misc : 4.73G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETK87RE

Quant Time: Dec 19 01:09:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 19 01:06:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	5899	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	2343	25.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	13.57	152	354	25.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	4963	55.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	222.24%#
7) Chloroethane-d5	2.90	69	4324	65.10	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	260.40%#
10) 1,1-Dichloroethene-d2	4.03	63	5653	35.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	143.32%#
20) 2-Butanone-d5	7.09	46	315	13.53	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	27.06%
24) Chloroform-d	7.64	84	7611	50.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	202.68%#
26) 1,2-Dichloroethane-d4	8.31	65	3784	48.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	192.20%#
29) Benzene-d6	8.27	84	10629	77.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	309.64%#
33) 1,2-Dichloropropane-d6	9.28	67	3803	90.02	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	360.08%#
37) Toluene-d8	10.33	98	2953	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	10.59	79	500	28.21	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.84%
39) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	1211	35.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	140.72%#
61) 1,2-Dichlorobenzene-d4	13.85	152	318	23.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.04%

Target Compounds

					Ovalue
3) Chloromethane	2.21	50	103	1.826	ug/L # 58
8) Chloroethane	2.95	64	97	2.033	ug/L # 44
13) Acetone	4.12	43	379	16.887	ug/L # 72
16) Methylene chloride	4.92	84	296	3.273	ug/L # 31
18) trans-1,2-Dichloroethene	5.71	96	65	0.771	ug/L # 1
21) 2-Butanone	7.18	43	79	2.622	ug/L # 47
22) cis-1,2-Dichloroethene	7.17	96	56	0.624	ug/L # 1
30) Cyclohexane	7.94	56	297	5.078	ug/L # 50
31) 1,1,1-Trichloroethane	7.56	97	52	1.105	ug/L # 25
32) Carbon tetrachloride	7.95	117	27	0.605	ug/L # 2
34) Benzene	8.32	78	402	2.710	ug/L # 100
35) Trichloroethene	8.84	95	158	4.163	ug/L # 2
36) Methylcyclohexane	9.32	83	65	1.019	ug/L # 2
40) 1,2-Dichloropropane	9.29	63	73	1.915	ug/L # 85
41) Bromodichloromethane	9.34	83	279	6.024	ug/L # 25
44) Toluene	10.40	91	76	0.489	ug/L # 79
49) 2-Hexanone	10.94	43	87	4.862	ug/L # 37

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 01:06:45 2019
Response via : Initial Calibration

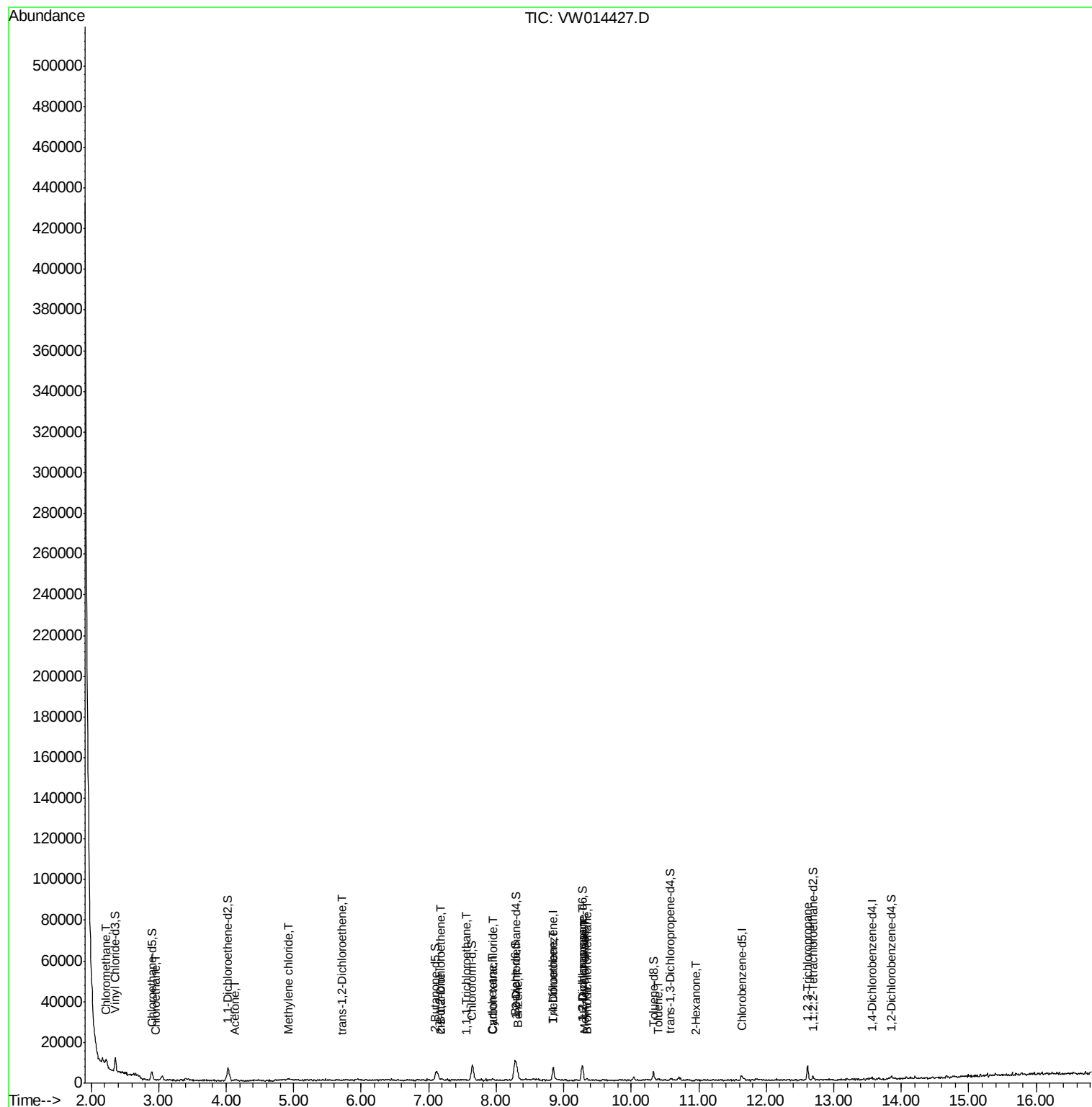
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	12.62	75	59	2.240	ug/L #	42

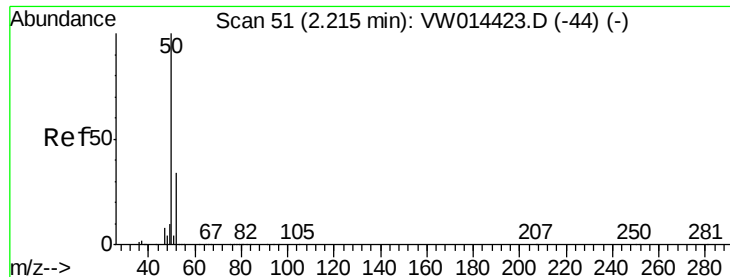
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 19 01:06:45 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.826 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

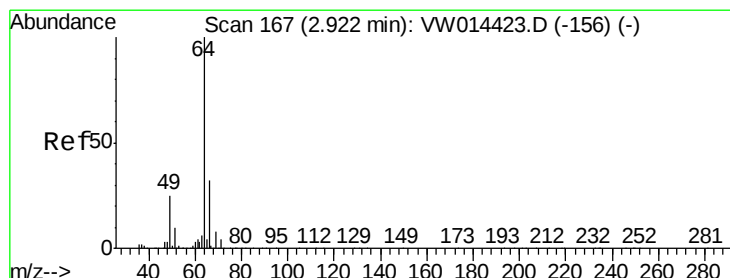
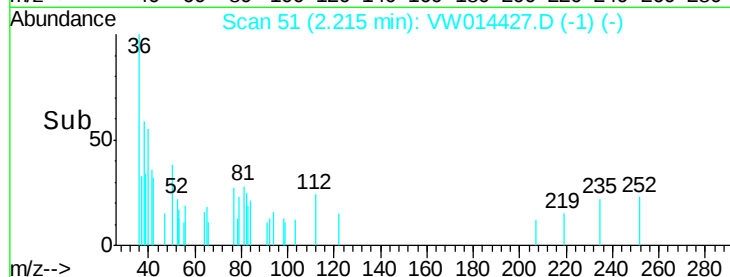
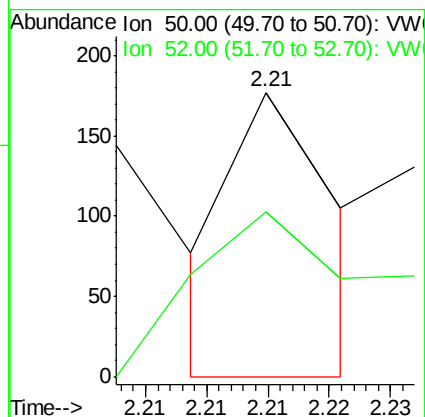
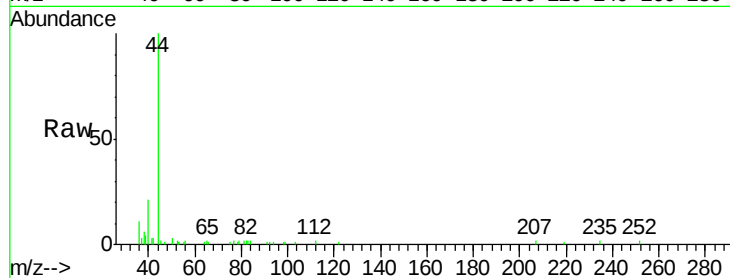
ETK87RE

Tot Ion: 50 Resp: 103

Ion Ratio Lower Upper

50 100

52 58.2 23.8 44.2#



#8

Chloroethane

Concen: 2.033 ug/L

RT: 2.95 min Scan# 172

Delta R.T. 0.03 min

Lab File: VW014427.D

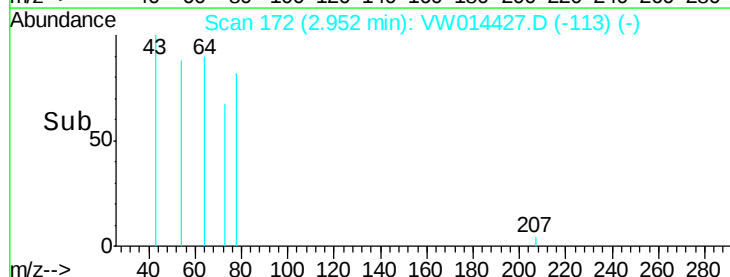
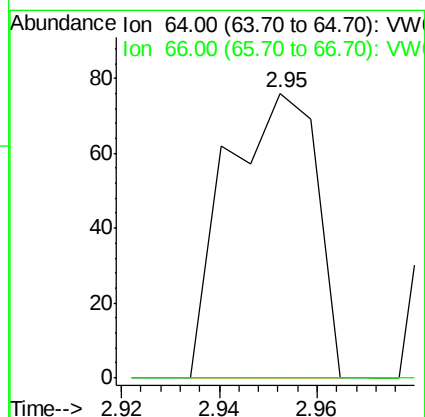
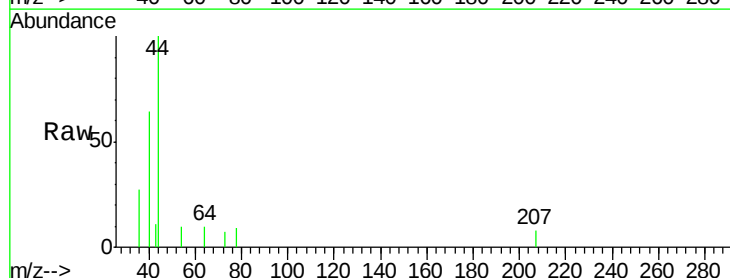
Acq: 18 Dec 2019 12:48

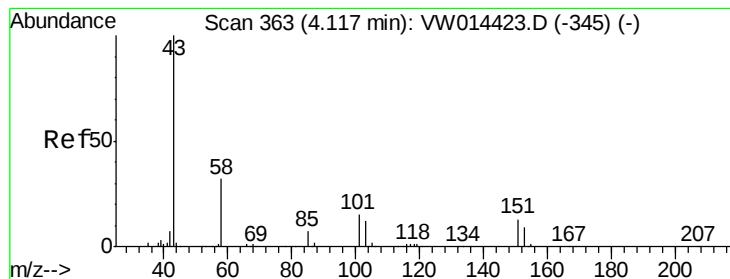
Tgt Ion: 64 Resp: 97

Ion Ratio Lower Upper

64 100

66 0.0 21.2 39.4#





#13

Acetone

Concen: 16.887 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

Instrument :

MSVOA_W

ClientSampleId :

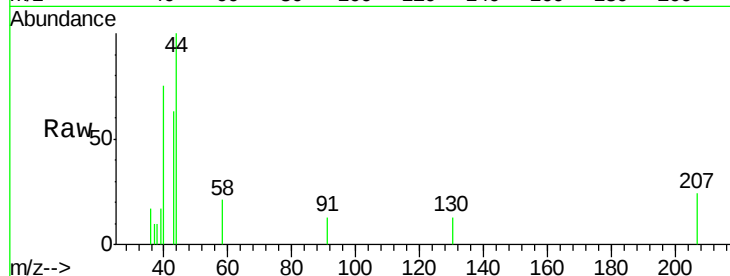
ETK87RE

Tot Ion: 43 Resp: 379

Ion Ratio Lower Upper

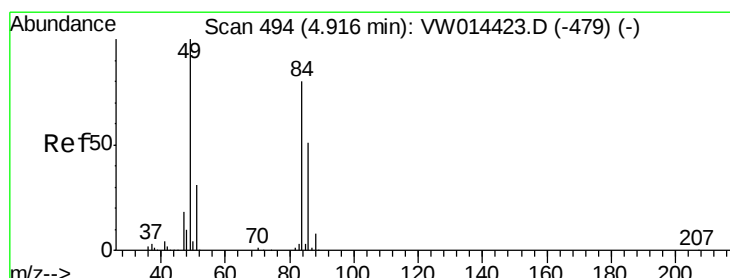
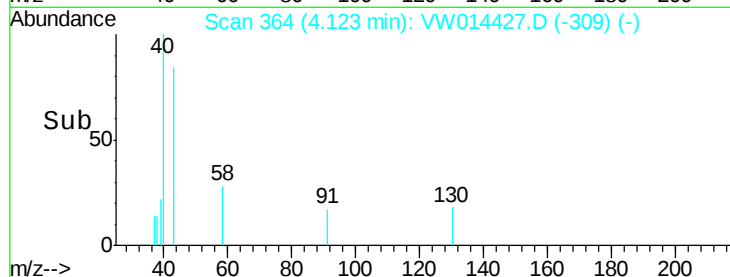
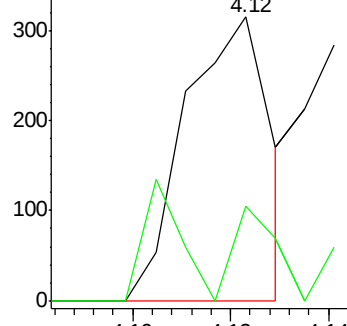
43 100

58 16.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 3.273 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

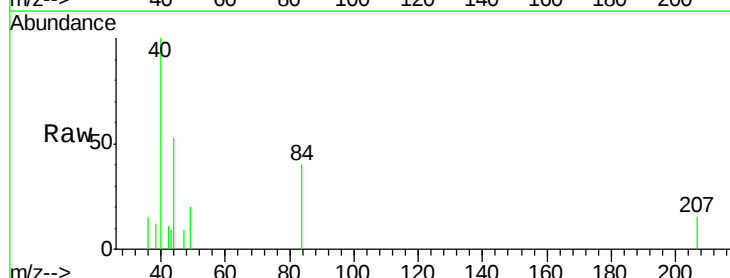
Tgt Ion: 84 Resp: 296

Ion Ratio Lower Upper

84 100

49 50.4 84.2 156.4#

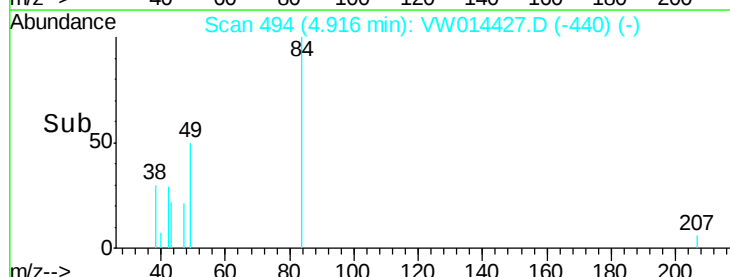
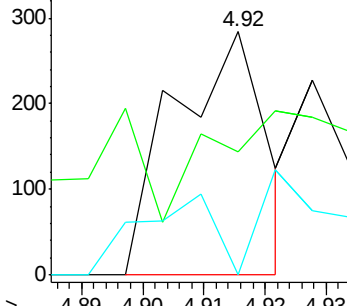
86 0.0 43.7 81.1#

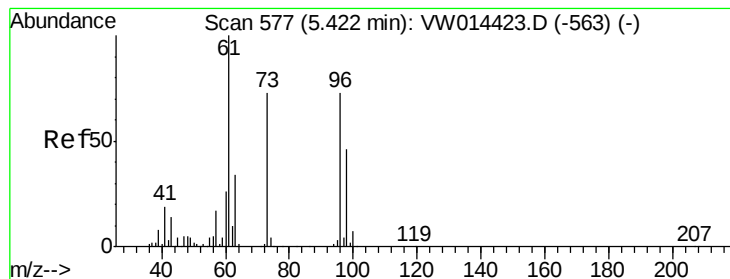


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#18

trans-1,2-Dichloroethene

Concen: 0.771 ug/L

RT: 5.71 min Scan# 625

Delta R.T. 0.29 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

ETK87RE

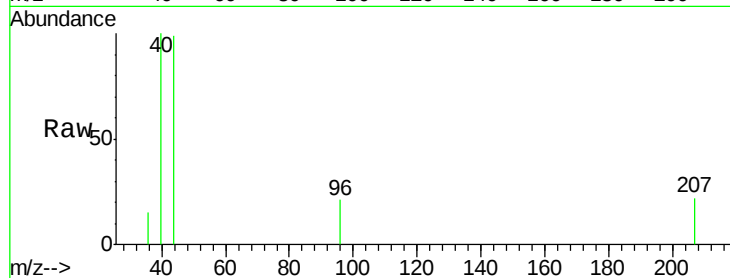
Tot Ion: 96 Resp: 65

Ion Ratio Lower Upper

96 100

61 0.0 90.6 168.2#

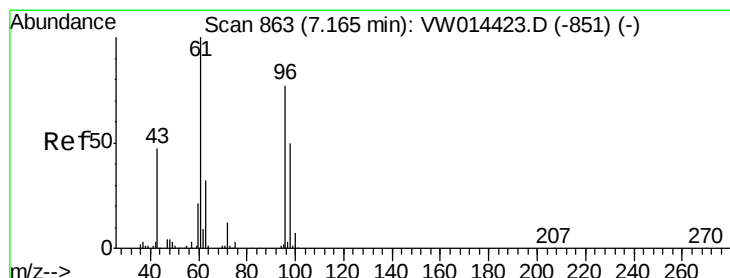
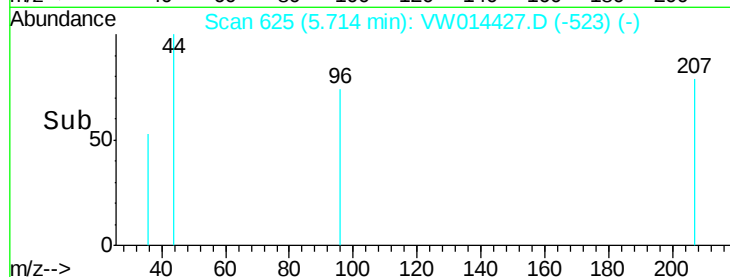
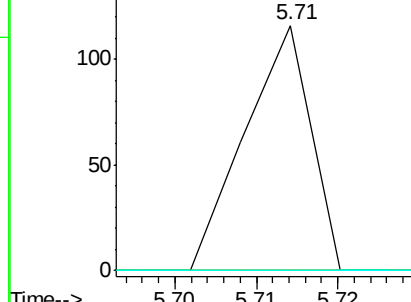
98 0.0 42.9 79.7#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#21

2-Butanone

Concen: 2.622 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014427.D

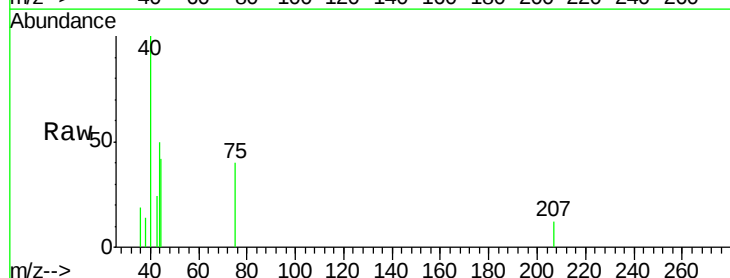
Acq: 18 Dec 2019 12:48

Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

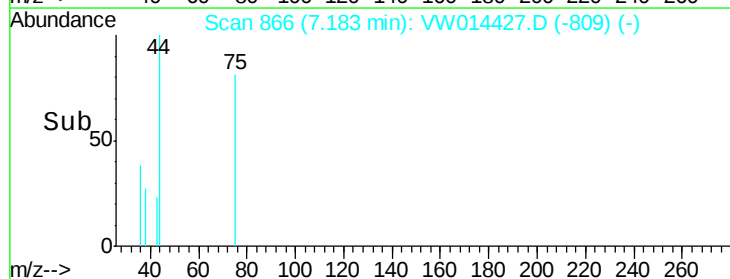
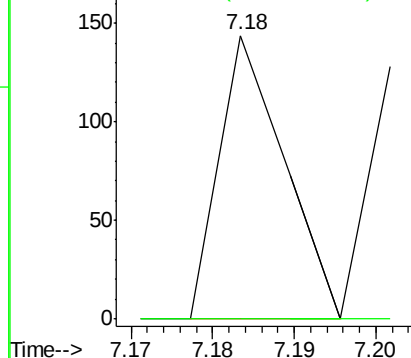
43 100

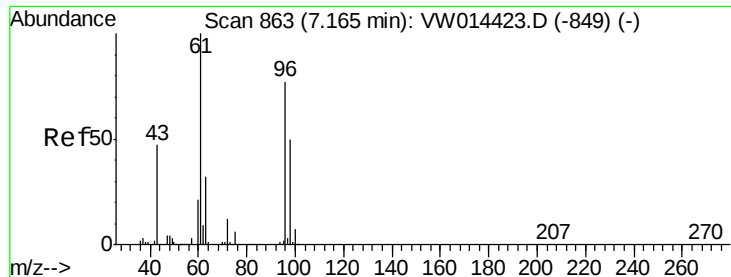
72 0.0 14.1 42.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



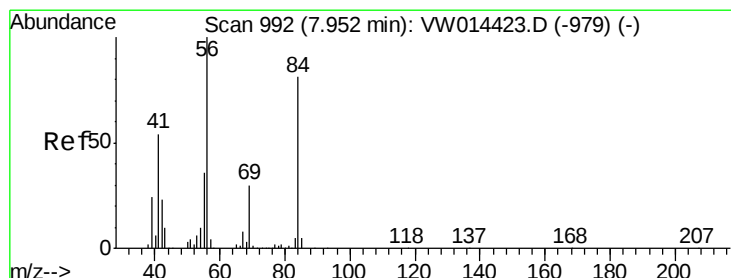
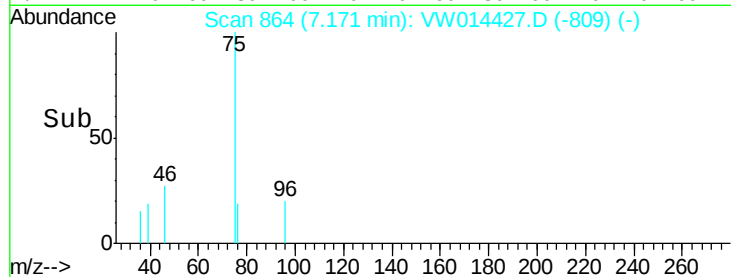
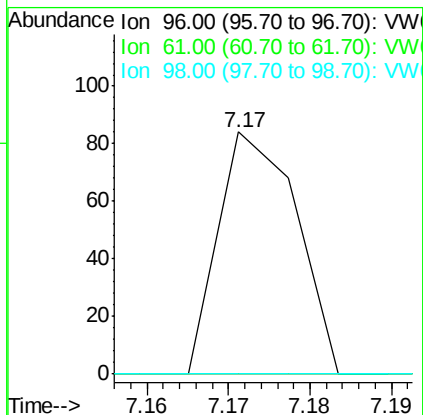
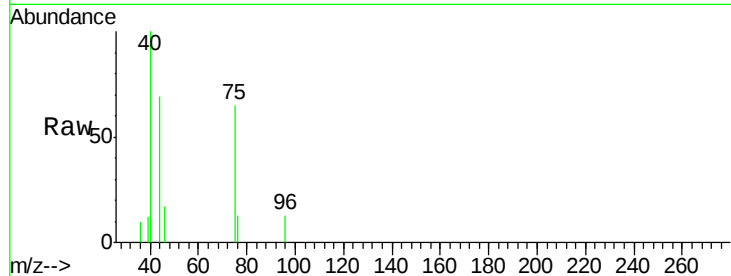


#22

cis-1,2-Dichloroethene
 Concen: 0.624 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014427.D
 Acq: 18 Dec 2019 12:48

Instrument :
 MSVOA_W
 ClientSampled :
 ETK87RE

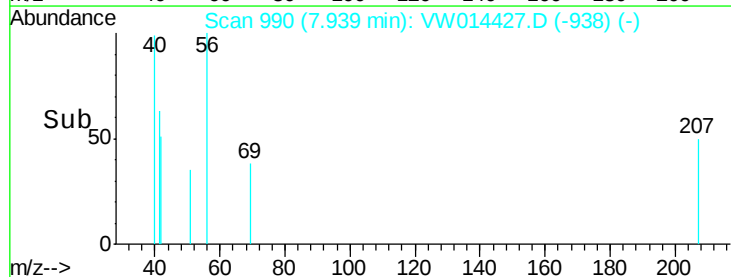
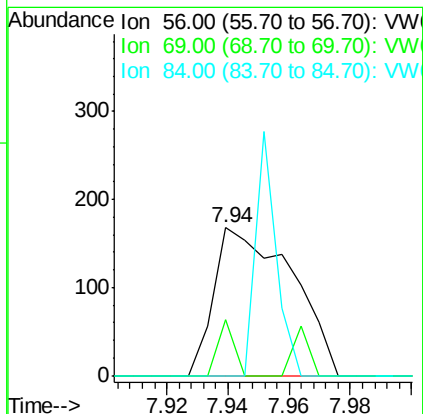
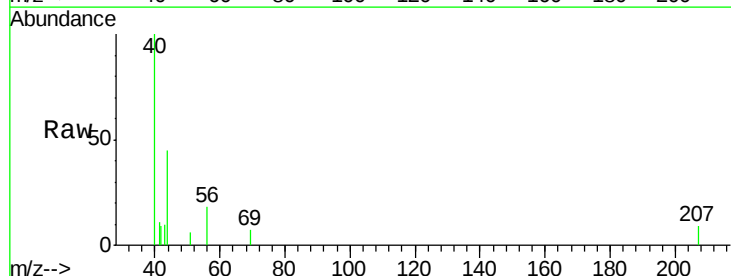
Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	86.9	161.5#
98	0.0	45.5	84.5#

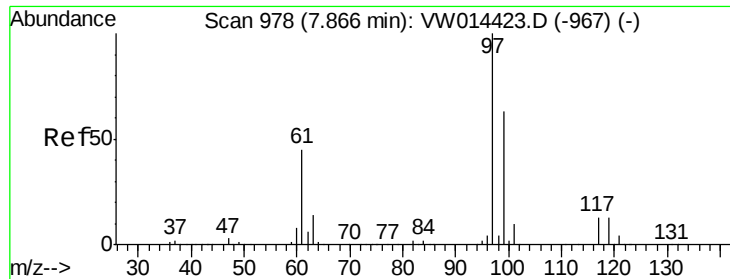


#30

Cyclohexane
 Concen: 5.078 ug/L
 RT: 7.94 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VW014427.D
 Acq: 18 Dec 2019 12:48

Tgt Ion	Ratio	Lower	Upper
56	100		
69	0.0	24.6	37.0#
84	43.8	70.2	105.2#

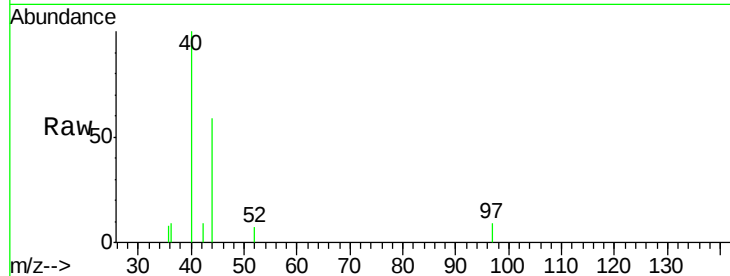




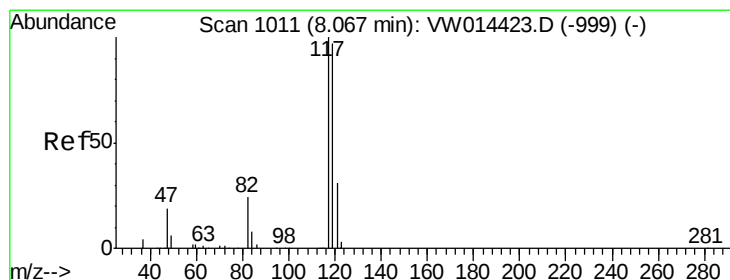
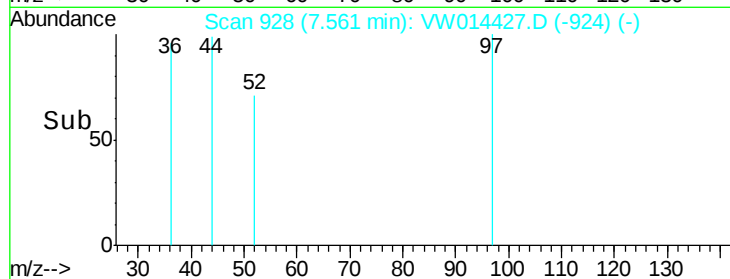
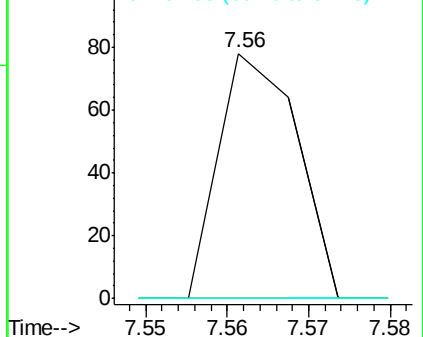
#31
 1,1,1-Trichloroethane
 Concen: 1.105 ug/L
 RT: 7.56 min Scan# 928
 Delta R.T. -0.30 min
 Lab File: VW014427.D
 Acq: 18 Dec 2019 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 ETK87RE

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	0.0	32.8	49.2#

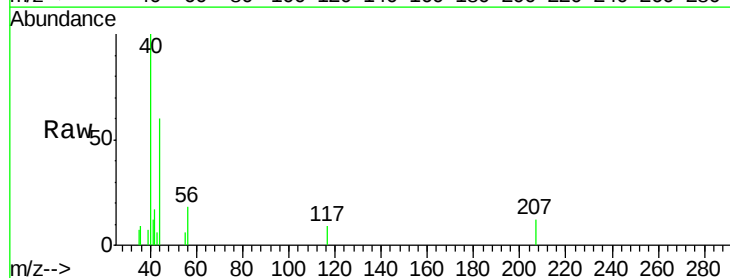


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 99.00 (98.70 to 99.70): VW
 Ion 61.00 (60.70 to 61.70): VW

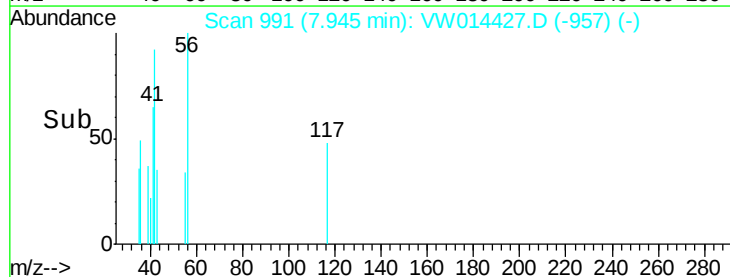
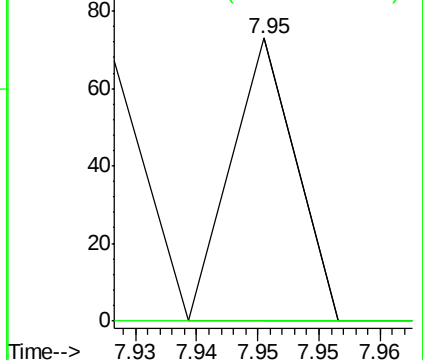


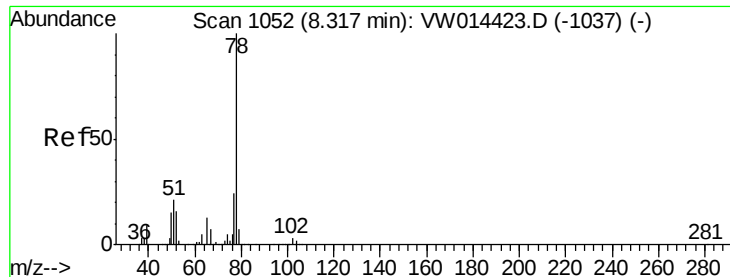
#32
 Carbon tetrachloride
 Concen: 0.605 ug/L
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014427.D
 Acq: 18 Dec 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.7	115.1#



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.710 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

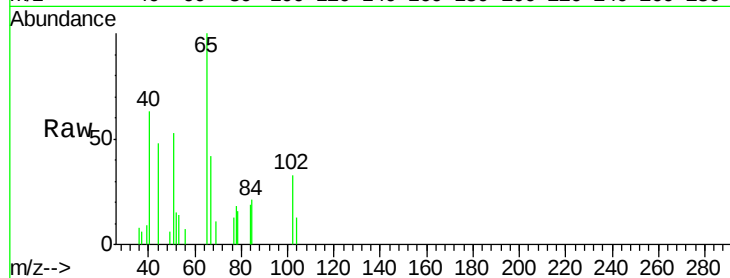
Instrument :

MSVOA_W

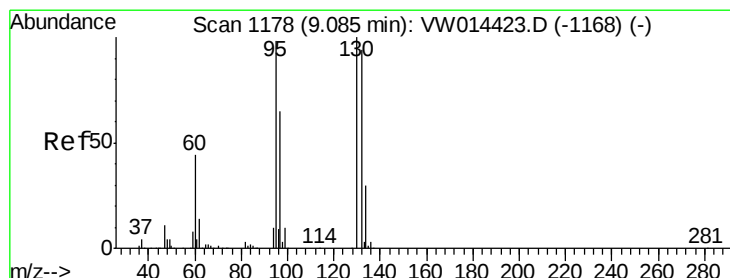
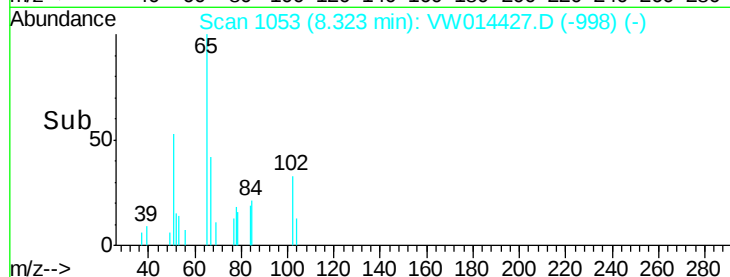
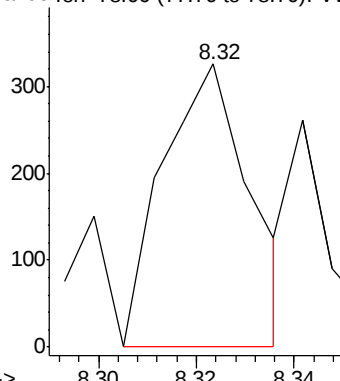
ClientSampleId :

ETK87RE

Tgt Ion: 78 Resp: 402



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 4.163 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.24 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

Tgt Ion: 95 Resp: 158

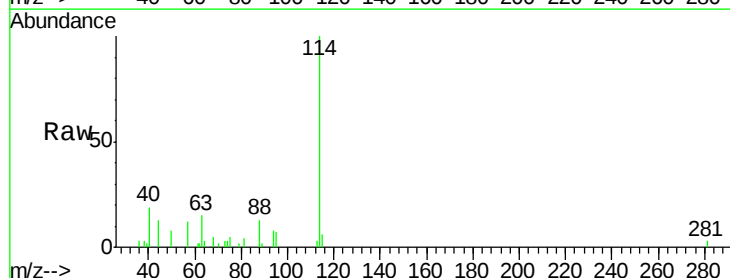
Ion Ratio Lower Upper

95 100

97 0.0 45.1 83.9#

132 0.0 73.7 136.9#

130 0.0 76.6 142.2#

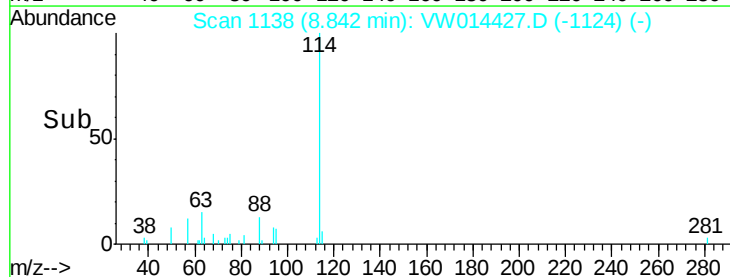
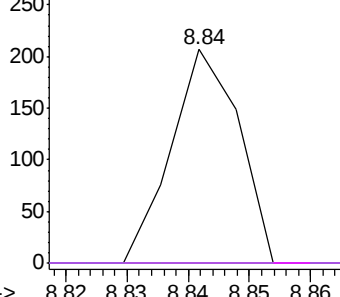


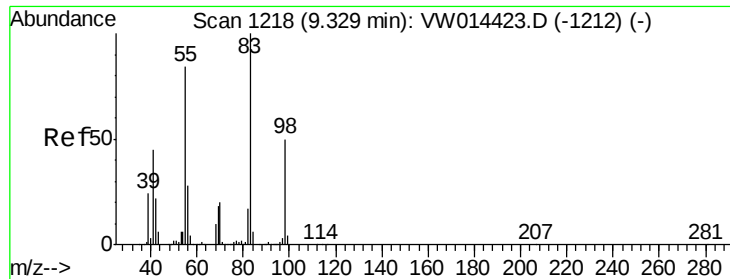
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

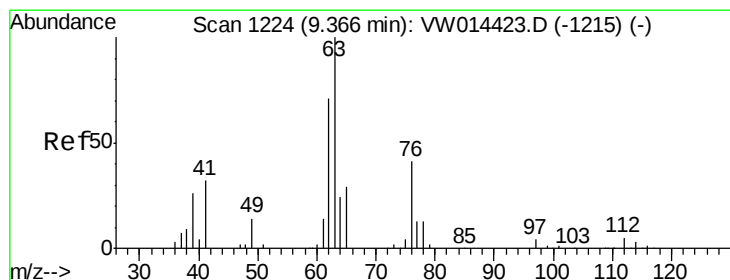
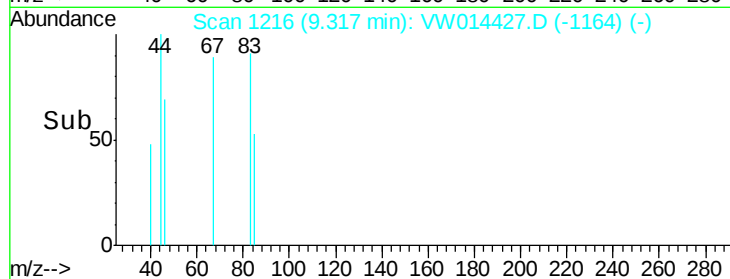
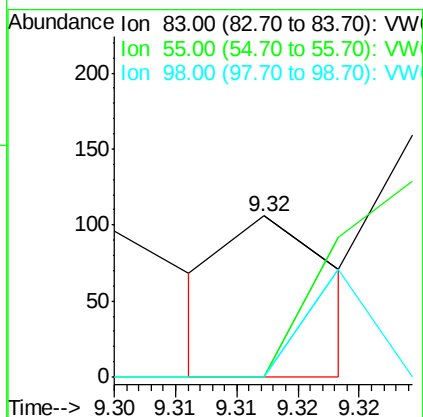
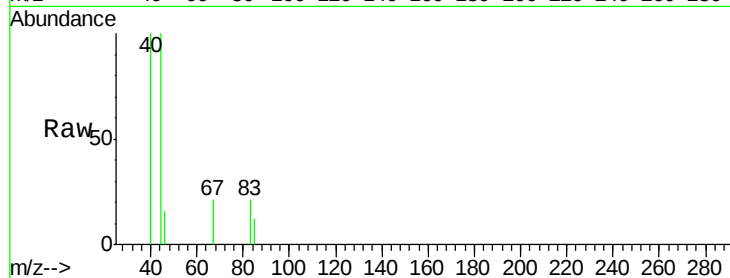




#36
Methylcyclohexane
Concen: 1.019 ug/L
RT: 9.32 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VW014427.D
Acq: 18 Dec 2019 12:48

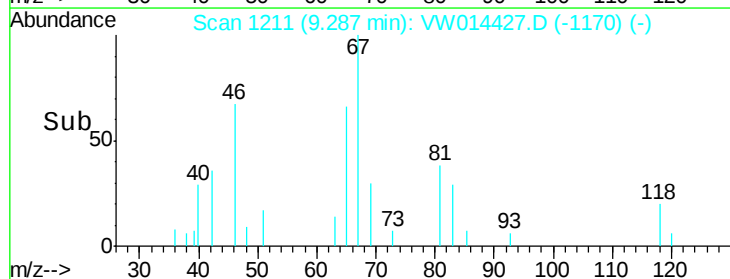
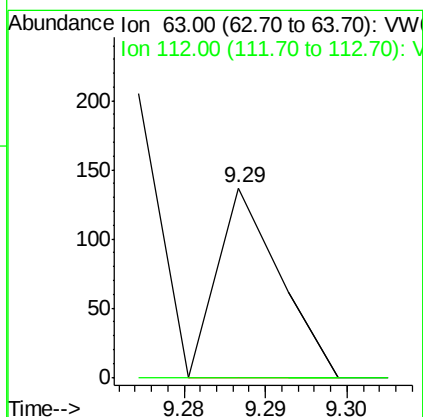
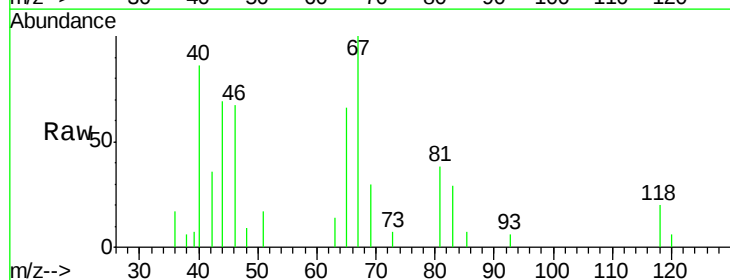
Instrument :
MSVOA_W
ClientSampled :
ETK87RE

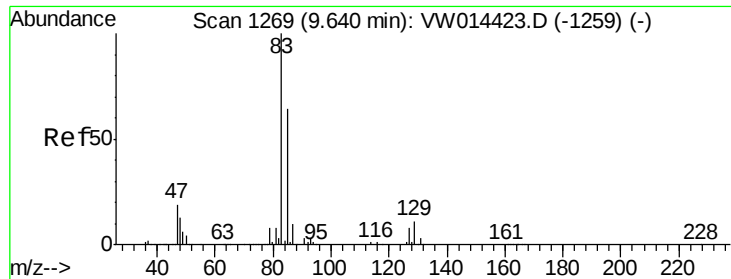
Tot Ion: 83 Resp: 65
Ion Ratio Lower Upper
83 100
55 172.3 59.8 89.8#
98 0.0 39.5 59.3#



#40
1,2-Dichloropropane
Concen: 1.915 ug/L
RT: 9.29 min Scan# 1211
Delta R.T. -0.08 min
Lab File: VW014427.D
Acq: 18 Dec 2019 12:48

Tgt Ion: 63 Resp: 73
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#





#41

Bromodichloromethane

Concen: 6.024 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.30 min

Lab File: VW014427.D

Acq: 18 Dec 2019 12:48

Instrument :

MSVOA_W

ClientSampled :

ETK87RE

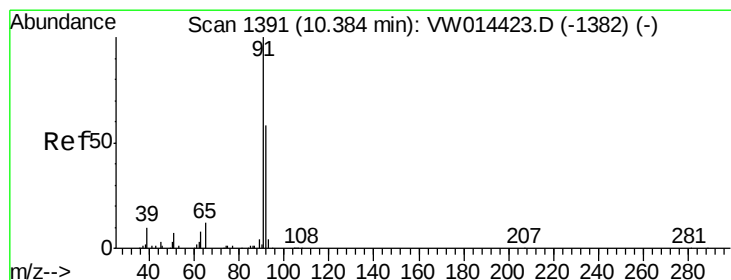
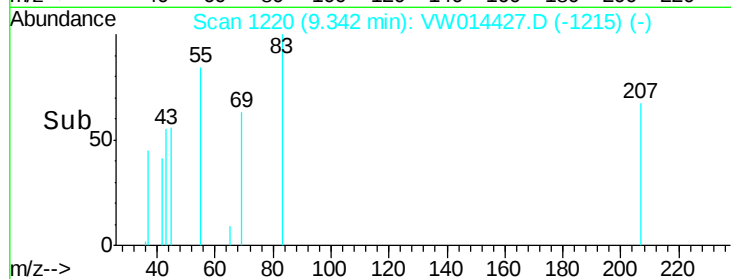
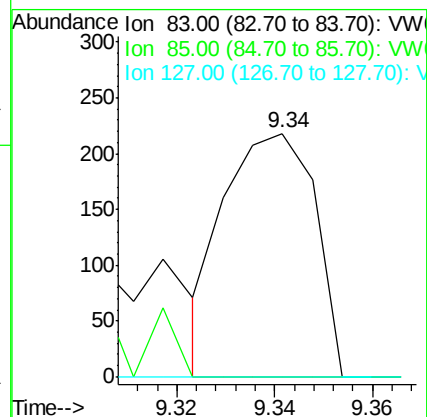
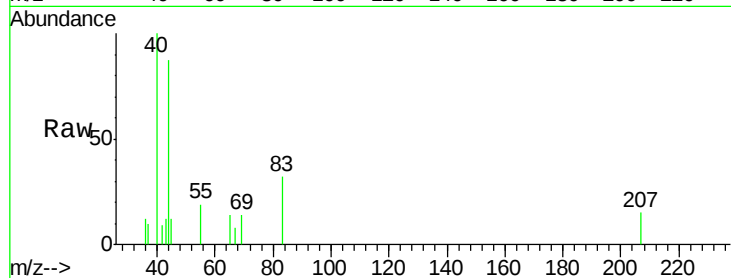
Tot Ion: 83 Resp: 279

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

127 0.0 7.4 11.0#



#44

Toluene

Concen: 0.489 ug/L

RT: 10.40 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW014427.D

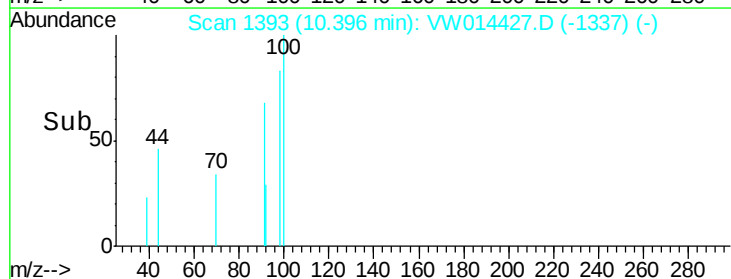
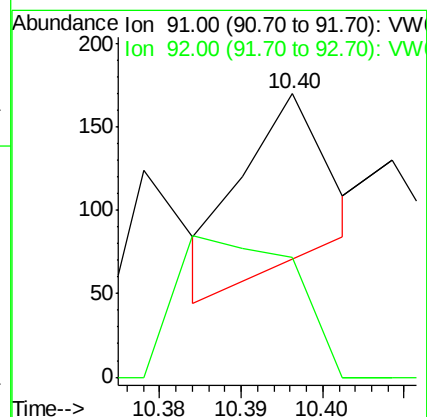
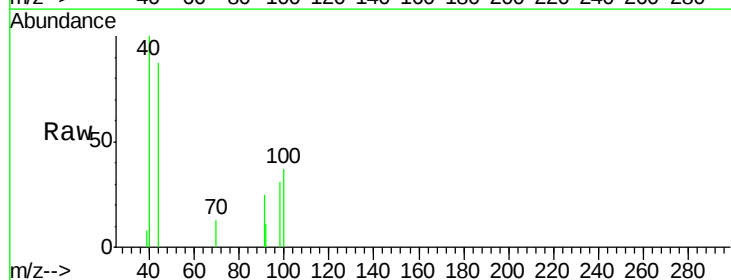
Acq: 18 Dec 2019 12:48

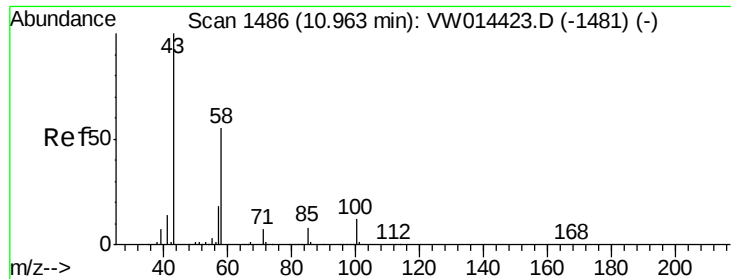
Tgt Ion: 91 Resp: 76

Ion Ratio Lower Upper

91 100

92 42.4 40.7 75.7

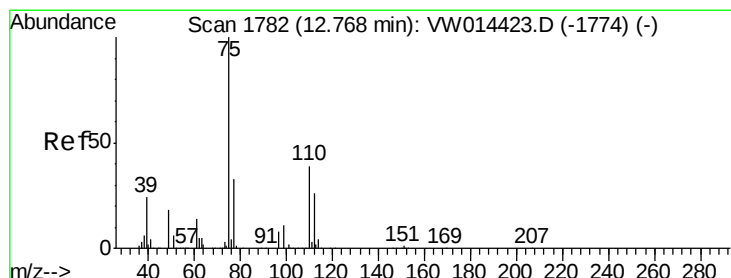
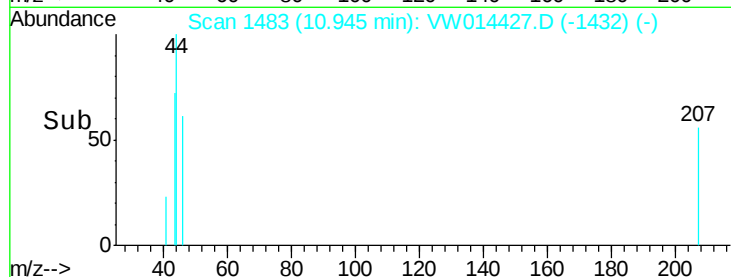
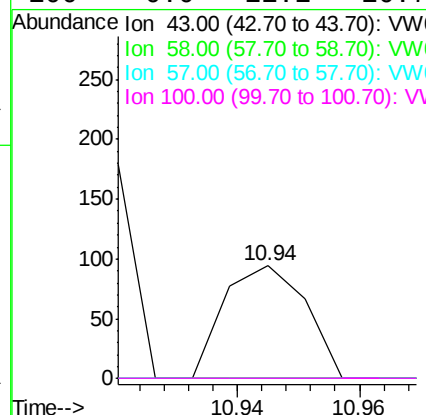
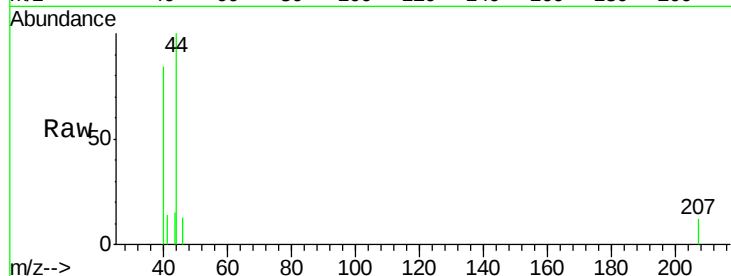




#49
2-Hexanone
Concen: 4.862 ug/L
RT: 10.94 min Scan# 1483
Delta R.T. -0.02 min
Lab File: VW014427.D
Acq: 18 Dec 2019 12:48

Instrument :
MSVOA_W
ClientSampleId :
ETK87RE

Tot Ion:	43	Resp:	87
Ion	Ratio	Lower	Upper
43	100		
58	0.0	44.4	66.6#
57	0.0	16.5	24.7#
100	0.0	11.1	16.7#



#59
1,2,3-Trichloropropane
Concen: 2.240 ug/L
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014427.D
Acq: 18 Dec 2019 12:48

Tgt Ion:	75	Resp:	59
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.9	38.9#

