

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW113018\
 Data File : VW007152.D
 Acq On : 30 Nov 2018 19:49
 Operator : SY/AP
 Sample : J6077-01
 Misc : 6.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 F9Y35

Quant Time: Nov 30 22:55:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 15:51:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	128077	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	125850	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	63379	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	26091	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
7) Chloroethane-d5	2.89	69	19300	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
10) 1,1-Dichloroethene-d2	4.02	63	51219	18.04	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.16%
20) 2-Butanone-d5	7.08	46	21264	48.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.38%
24) Chloroform-d	7.65	84	63142	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.30	65	39192	25.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.96%
29) Benzene-d6	8.28	84	142964	23.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.64%
33) 1,2-Dichloropropane-d6	9.28	67	41989	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.04%
37) Toluene-d8	10.33	98	156065	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.68%
38) trans-1,3-Dichloropropene-	10.58	79	19952	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.28%
39) 2-Hexanone-d5	10.93	63	18929	47.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	38585	24.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	59002	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

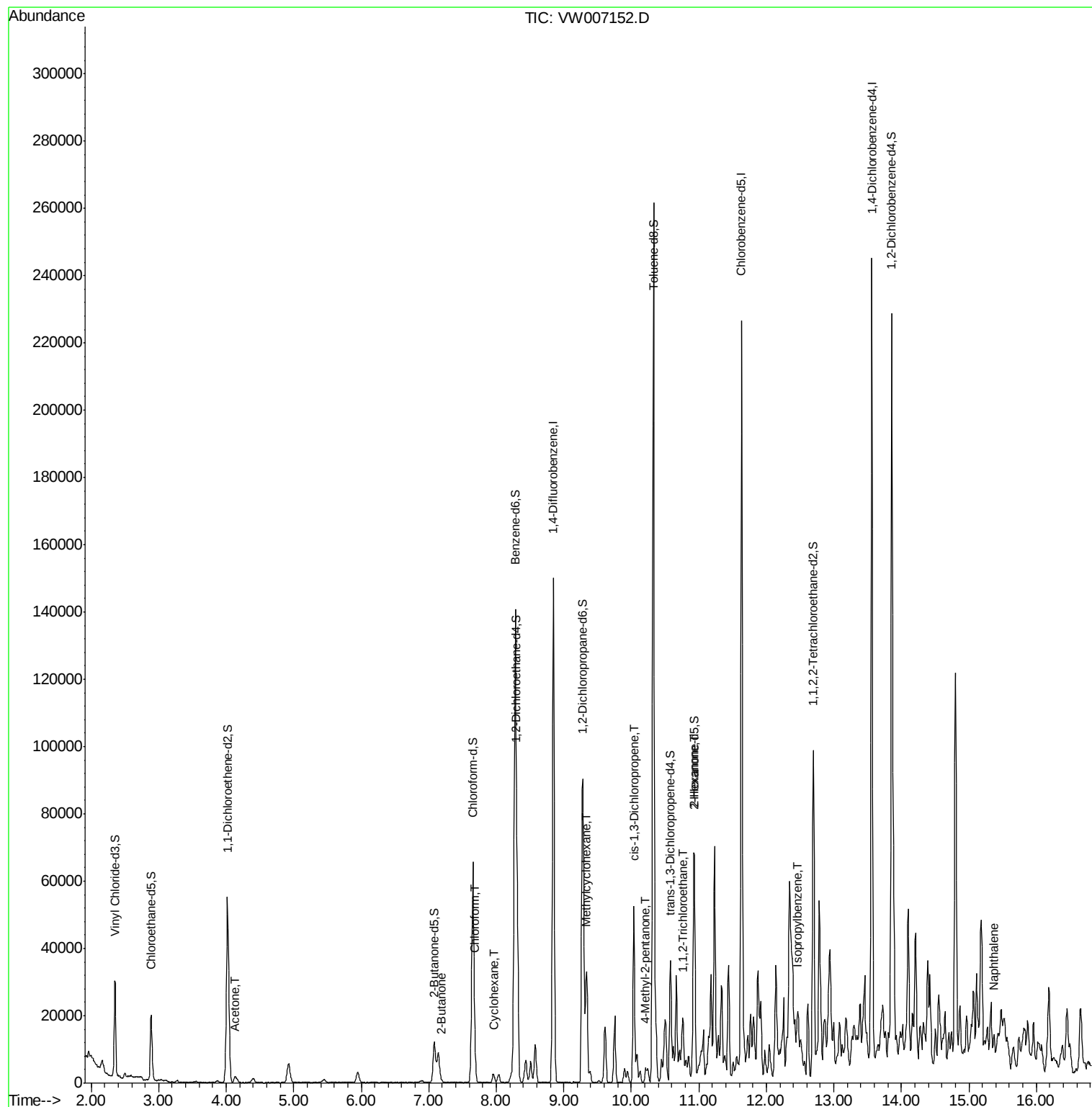
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	4.14	43	3209	10.381	ug/L	89
21) 2-Butanone	7.19	43	326	0.687	ug/L	99
25) Chloroform	7.68	83	5151	1.821	ug/L	80
30) Cyclohexane	7.96	56	1609	0.587	ug/L #	87
36) Methylcyclohexane	9.34	83	13173	4.012	ug/L	99
42) cis-1,3-Dichloropropene	10.04	75	1376	0.554	ug/L #	72
43) 4-Methyl-2-pentanone	10.21	43	813	0.702	ug/L #	61
46) 1,1,2-Trichloroethane	10.76	97	5336	4.332	ug/L #	20
49) 2-Hexanone	10.94	43	9095	11.608	ug/L #	34
57) Isopropylbenzene	12.47	105	6432	0.706	ug/L	96
69) Naphthalene	15.37	128	7039	1.242	ug/L	97

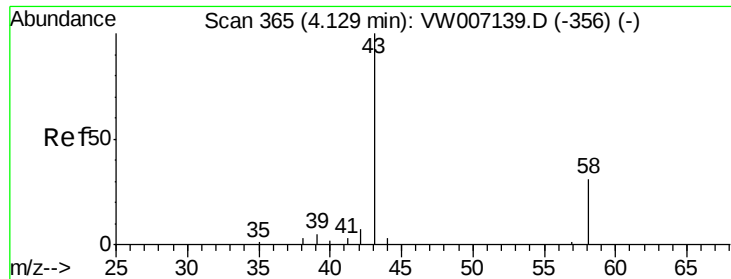
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 30 15:51:51 2018
Response via : Initial Calibration





#13

Acetone

Concen: 10.381 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW007152.D

Acq: 30 Nov 2018 19:49

Instrument :

MSVOA_W

ClientSampled :

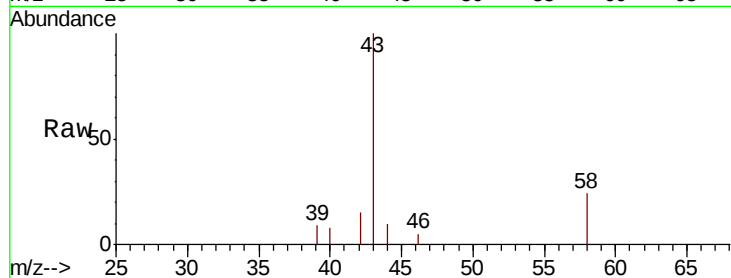
F9Y35

Tgt Ion: 43 Resp: 3209

Ion Ratio Lower Upper

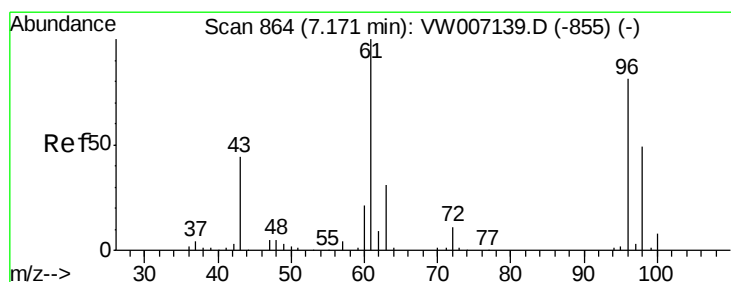
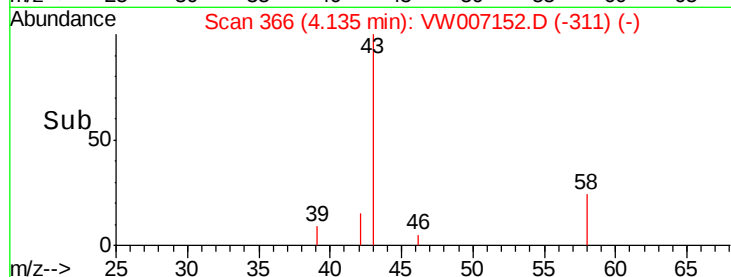
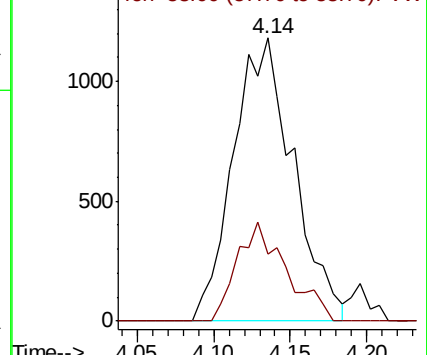
43 100

58 25.0 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 0.687 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW007152.D

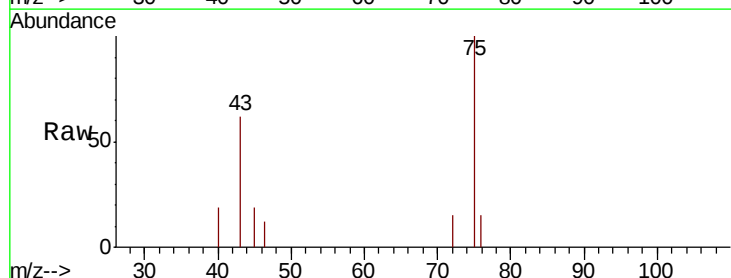
Acq: 30 Nov 2018 19:49

Tgt Ion: 43 Resp: 326

Ion Ratio Lower Upper

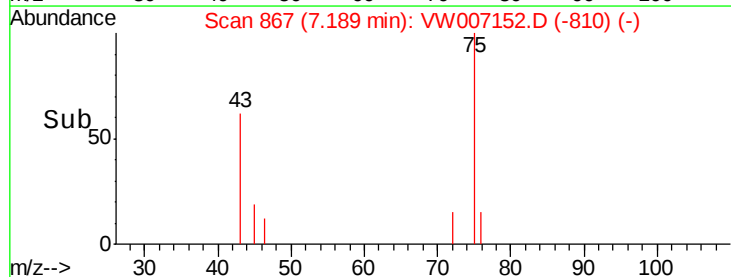
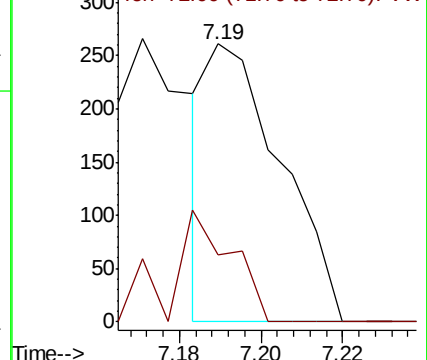
43 100

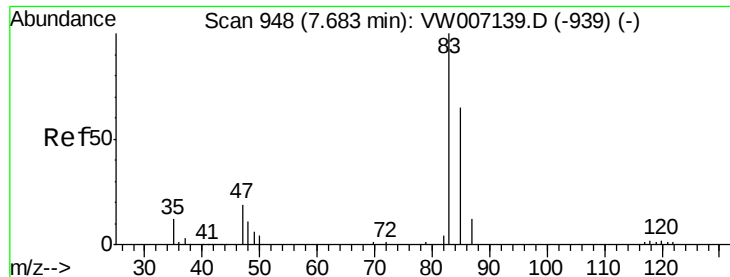
72 26.4 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

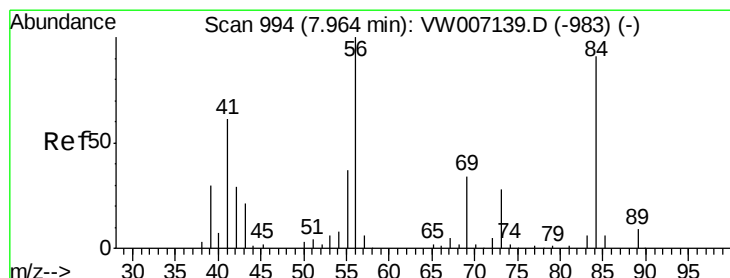
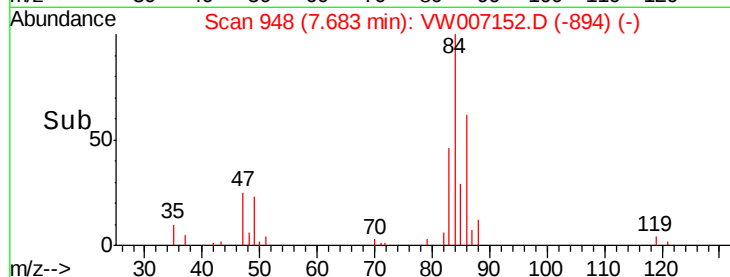
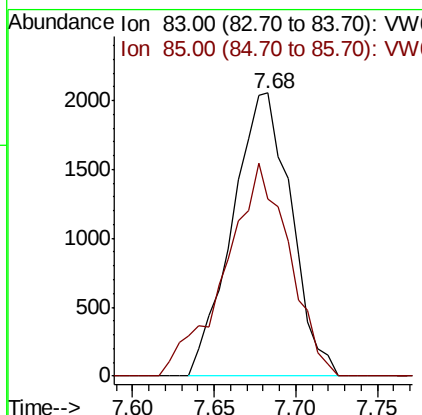
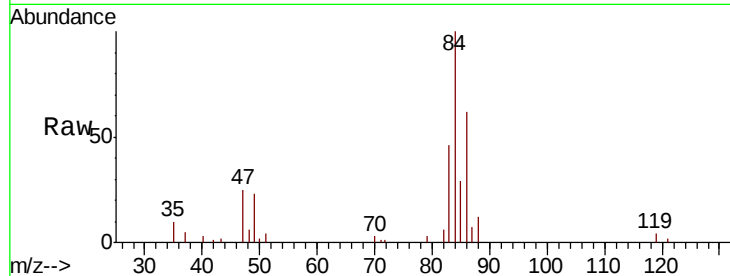




#25
Chloroform
Concen: 1.821 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW007152.D
Acq: 30 Nov 2018 19:49

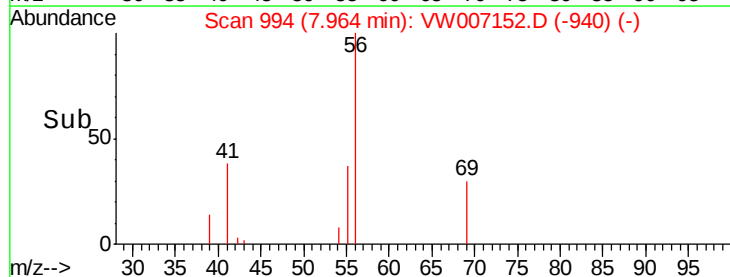
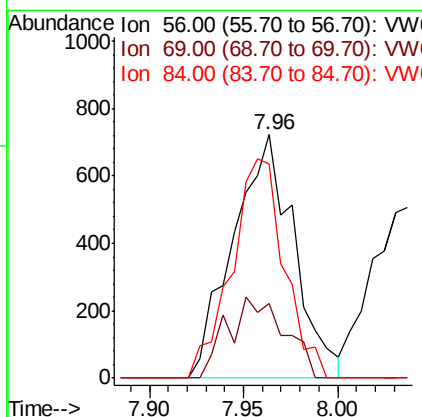
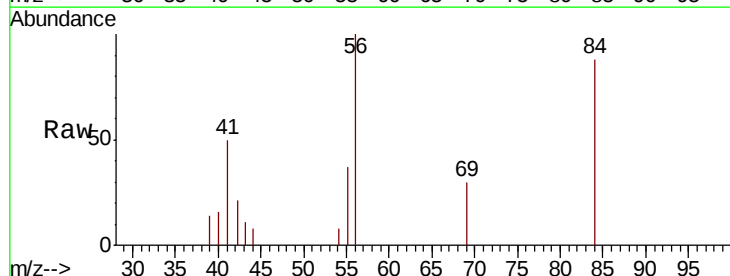
Instrument :
MSVOA_W
ClientSampled :
F9Y35

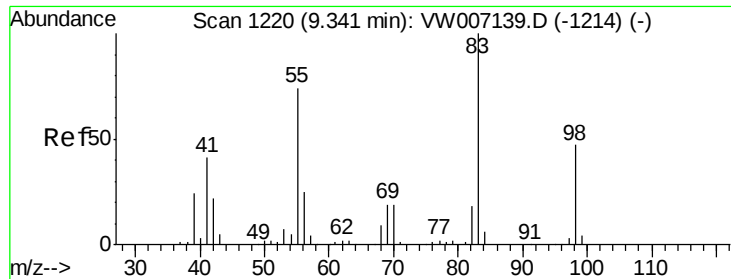
Tgt Ion: 83 Resp: 5151
Ion Ratio Lower Upper
83 100
85 82.0 46.1 85.7



#30
Cyclohexane
Concen: 0.587 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW007152.D
Acq: 30 Nov 2018 19:49

Tgt Ion: 56 Resp: 1609
Ion Ratio Lower Upper
56 100
69 25.9 26.1 39.1#
84 78.5 73.0 109.4

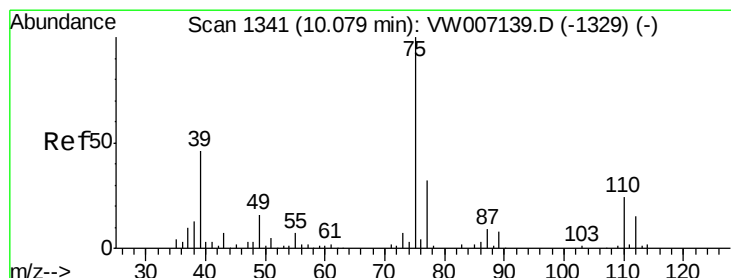
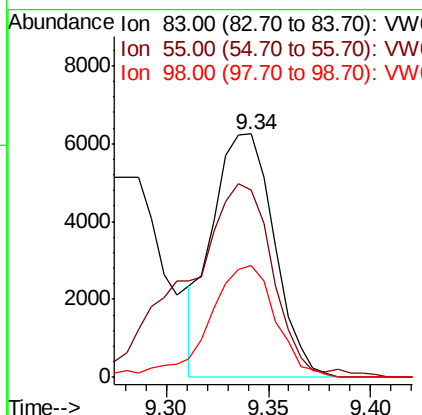
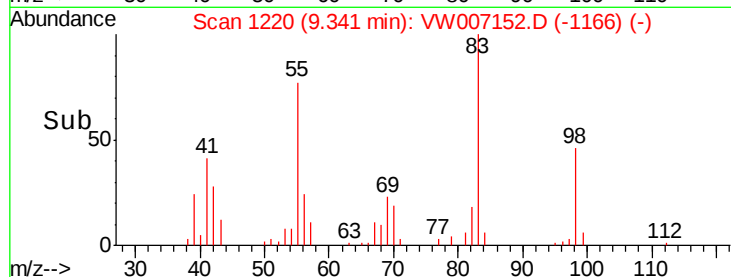
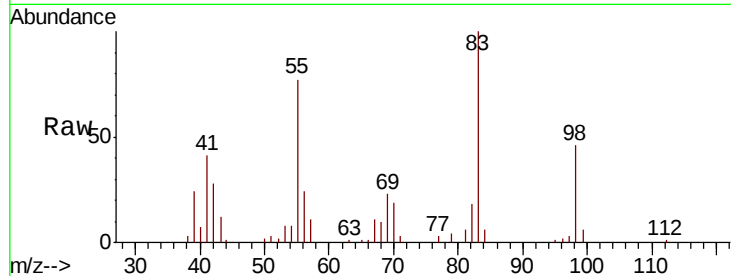




#36
Methylcyclohexane
Concen: 4.012 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW007152.D
Acq: 30 Nov 2018 19:49

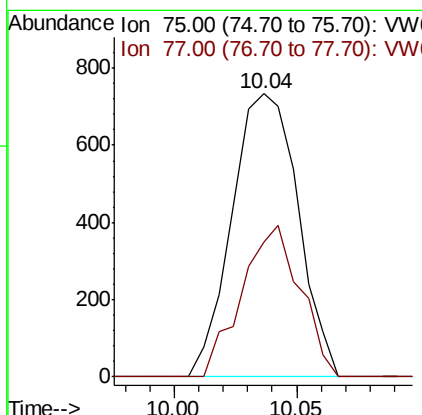
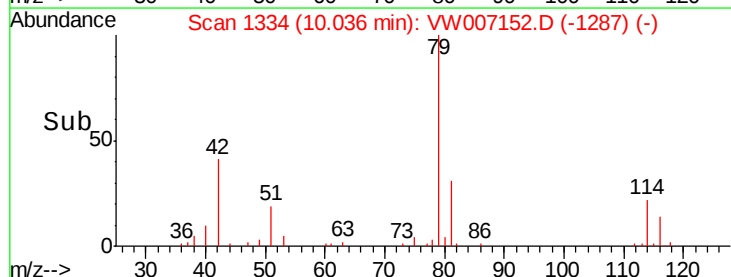
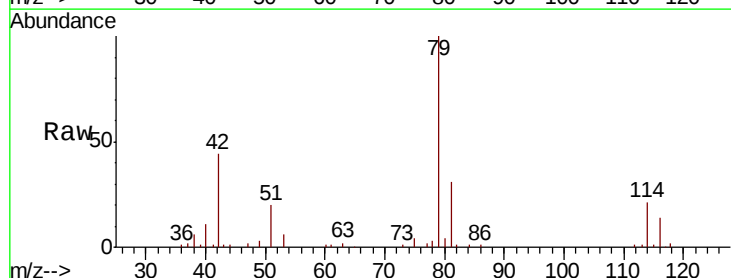
Instrument :
MSVOA_W
ClientSampleId :
F9Y35

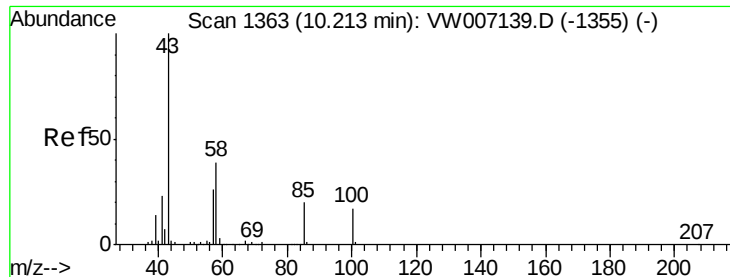
Tgt Ion: 83 Resp: 13173
Ion Ratio Lower Upper
83 100
55 75.7 60.2 90.4
98 50.0 38.8 58.2



#42
cis-1,3-Dichloropropene
Concen: 0.554 ug/L
RT: 10.04 min Scan# 1334
Delta R.T. -0.04 min
Lab File: VW007152.D
Acq: 30 Nov 2018 19:49

Tgt Ion: 75 Resp: 1376
Ion Ratio Lower Upper
75 100
77 47.6 22.3 41.5#





#43

4-Methyl-2-pentanone

Concen: 0.702 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007152.D

Acq: 30 Nov 2018 19:49

Instrument :

MSVOA_W

ClientSampleId :

F9Y35

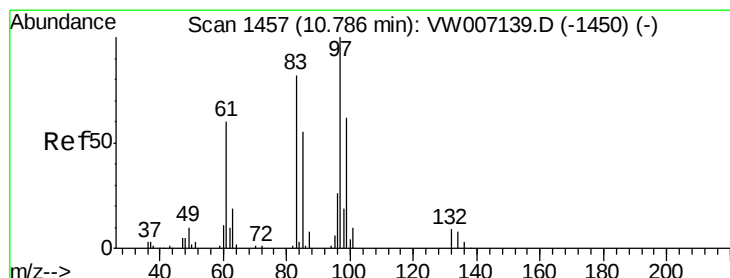
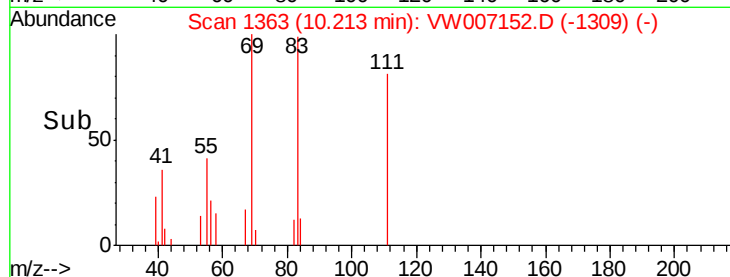
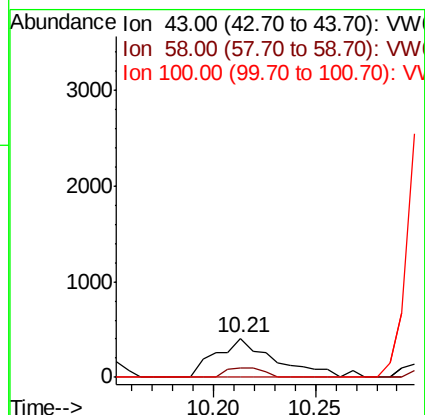
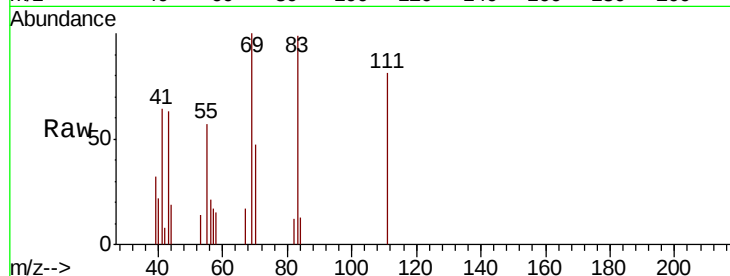
Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

58 15.5 31.4 47.2#

100 0.0 13.1 19.7#



#46

1,1,2-Trichloroethane

Concen: 4.332 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW007152.D

Acq: 30 Nov 2018 19:49

Tgt Ion: 97 Resp: 5336

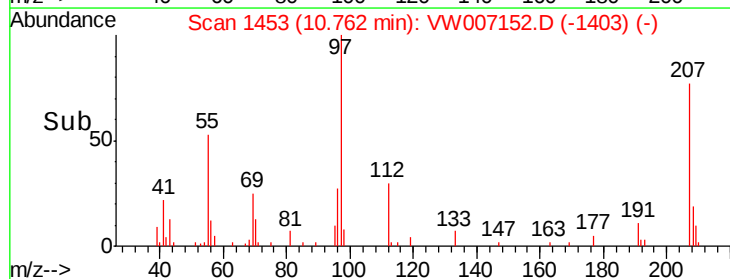
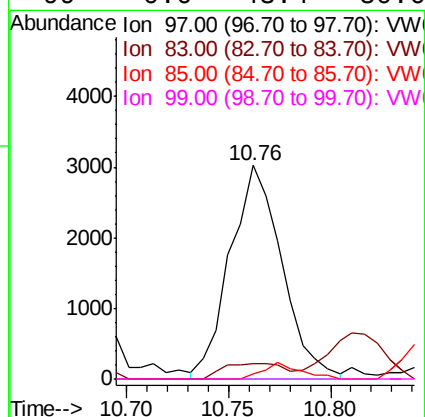
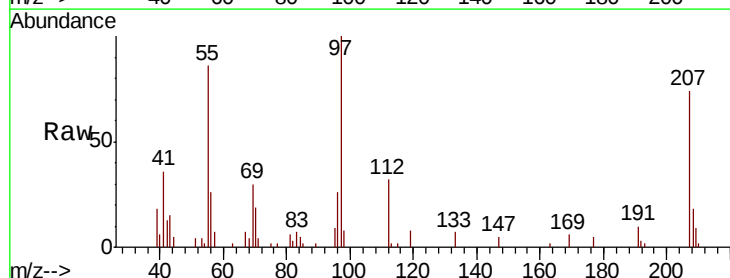
Ion Ratio Lower Upper

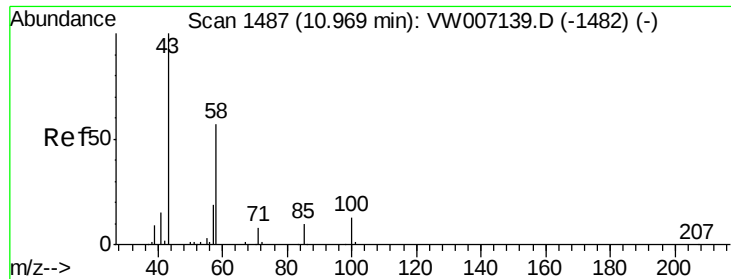
97 100

83 7.3 57.1 106.1#

85 2.3 38.6 71.8#

99 0.0 43.4 80.6#





#49

2-Hexanone

Concen: 11.608 ug/L

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW007152.D

Acq: 30 Nov 2018 19:49

Instrument :

MSVOA_W

ClientSampled :

F9Y35

Tgt Ion: 43 Resp: 9095

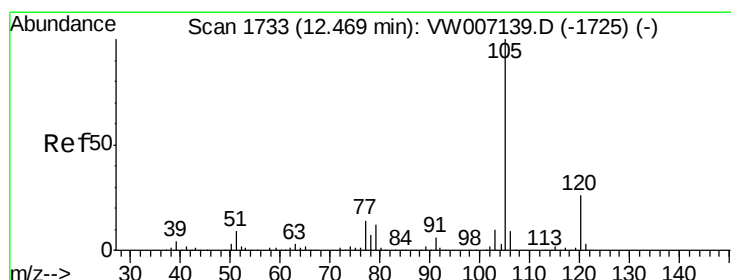
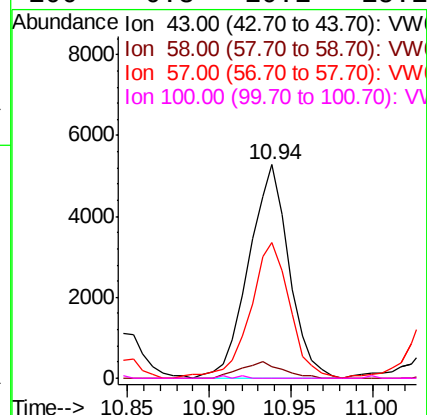
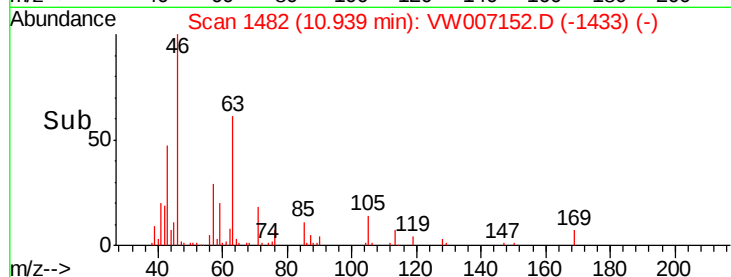
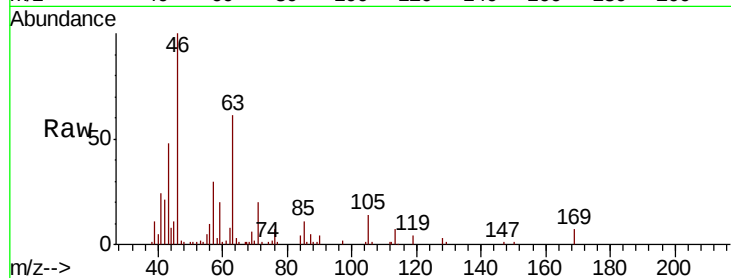
Ion Ratio Lower Upper

43 100

58 8.0 44.2 66.2#

57 62.9 16.3 24.5#

100 0.3 10.1 15.1#



#57

Isopropylbenzene

Concen: 0.706 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007152.D

Acq: 30 Nov 2018 19:49

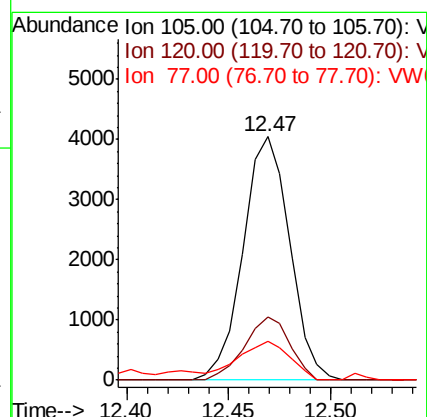
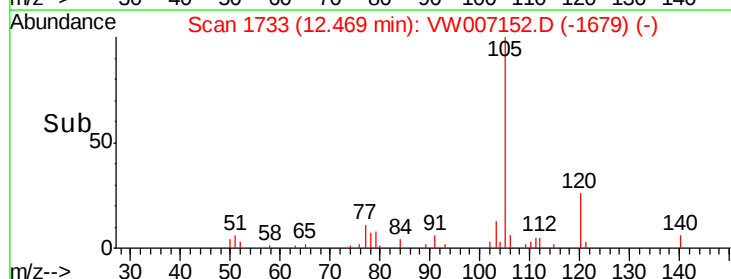
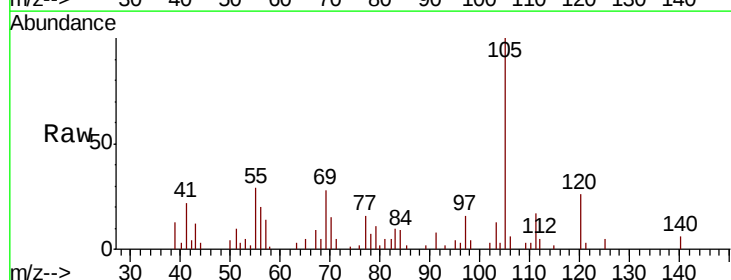
Tgt Ion: 105 Resp: 6432

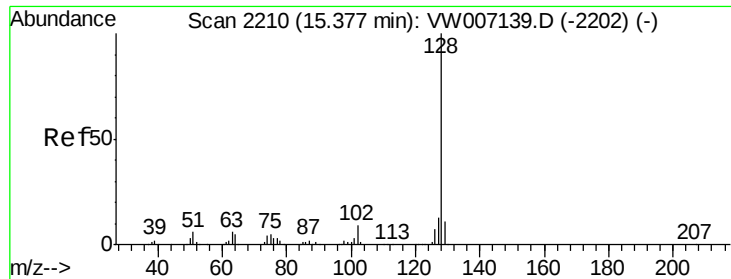
Ion Ratio Lower Upper

105 100

120 25.1 20.8 31.2

77 17.8 12.0 18.0





#69

Naphthalene

Concen: 1.242 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

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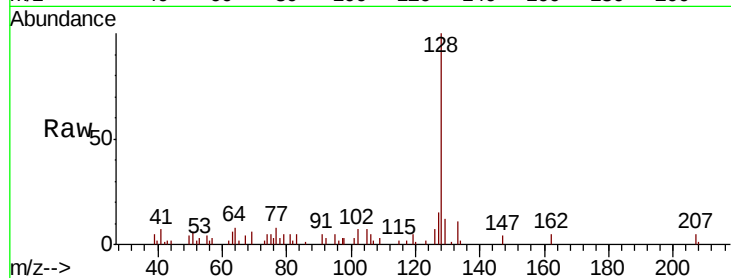
Tgt Ion:128 Resp: 7039

Ion Ratio Lower Upper

128 100

129 8.8 8.7 13.1

127 14.0 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

