

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032620\
 Data File : VW015147.D
 Acq On : 26 Mar 2020 12:52
 Operator : SY/VA
 Sample : L2045-02
 Misc : 9.39G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AB9

Quant Time: Mar 27 01:30:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 01:00:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	244247	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	115170	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	23781	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	166345	39.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	157.76%#
7) Chloroethane-d5	2.89	69	138583	39.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	159.36%#
10) 1,1-Dichloroethene-d2	4.02	63	176231	20.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.16%
20) 2-Butanone-d5	7.08	46	89606	93.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	186.66%#
24) Chloroform-d	7.65	84	219447	30.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	120.28%
26) 1,2-Dichloroethane-d4	8.31	65	161651	38.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	152.96%#
29) Benzene-d6	8.27	84	387711	52.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	210.40%#
33) 1,2-Dichloropropane-d6	9.27	67	141206	57.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	230.68%#
37) Toluene-d8	10.32	98	202657	32.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	129.04%
38) trans-1,3-Dichloropropene-	10.58	79	45981	49.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	196.24%#
39) 2-Hexanone-d5	10.92	63	54258	150.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	300.04%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	53074	31.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.76%#
61) 1,2-Dichlorobenzene-d4	13.85	152	17794	21.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.00%

Target Compounds

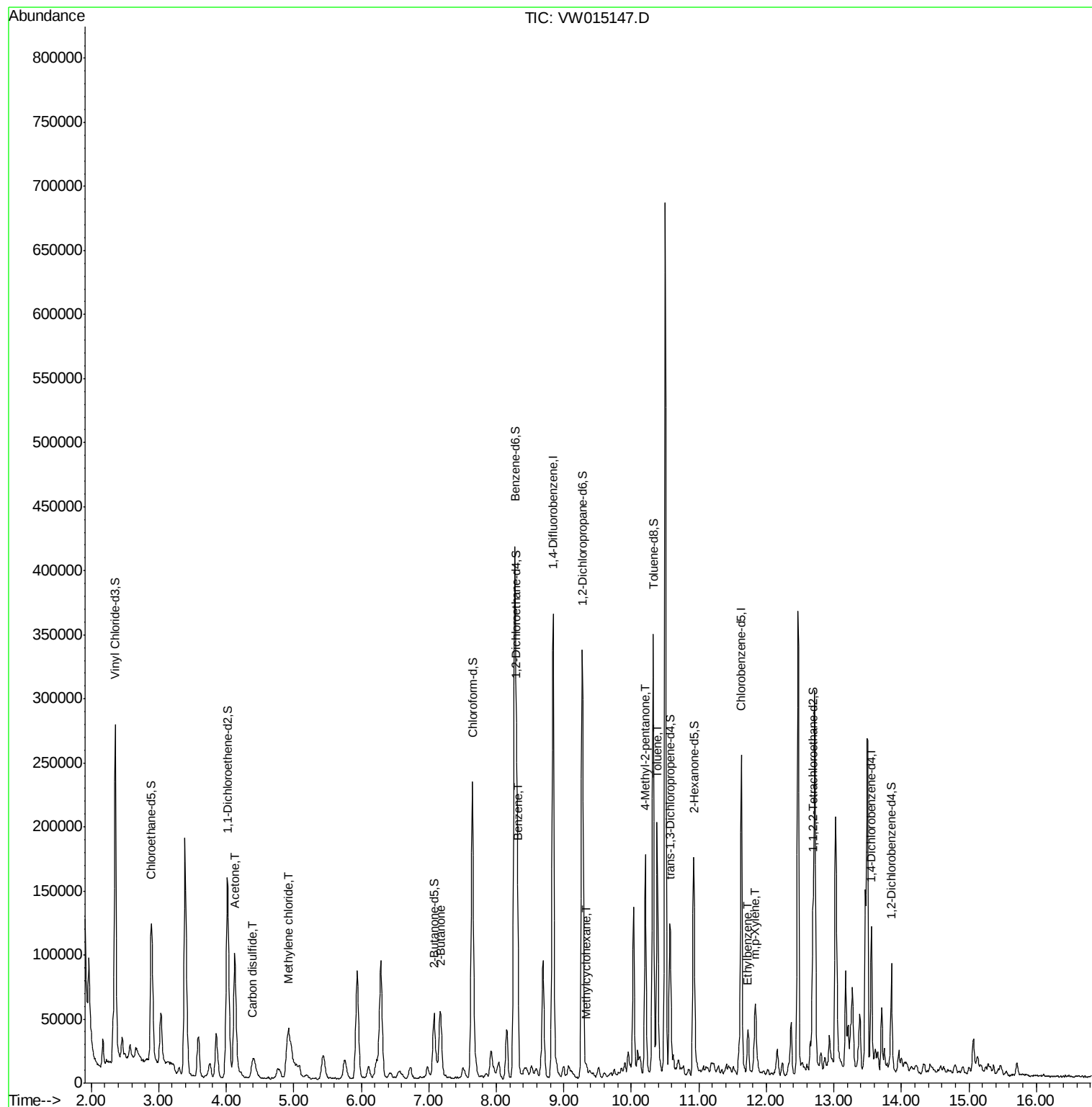
					Ovalue
13) Acetone	4.13	43	177448	207.079	ug/L 99
14) Carbon disulfide	4.38	76	18453	1.371	ug/L 96
16) Methylene chloride	4.92	84	24736	5.925	ug/L 96
21) 2-Butanone	7.17	43	89529	73.766	ug/L 93
34) Benzene	8.32	78	8133	0.955	ug/L 100
36) Methylcyclohexane	9.34	83	2196	0.616	ug/L # 82
43) 4-Methyl-2-pentanone	10.21	43	117938	88.717	ug/L 96
44) Toluene	10.38	91	133022	15.789	ug/L 94
53) Ethylbenzene	11.73	91	15573	1.711	ug/L 99
54) m,p-Xylene	11.83	106	9688	3.037	ug/L 98

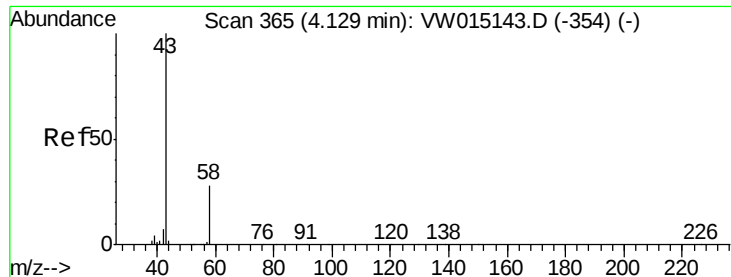
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 01:00:03 2020
Response via : Initial Calibration





#13

Acetone

Concen: 207.079 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015147.D

Acq: 26 Mar 2020 12:52

Instrument :

MSVOA_W

ClientSampleId :

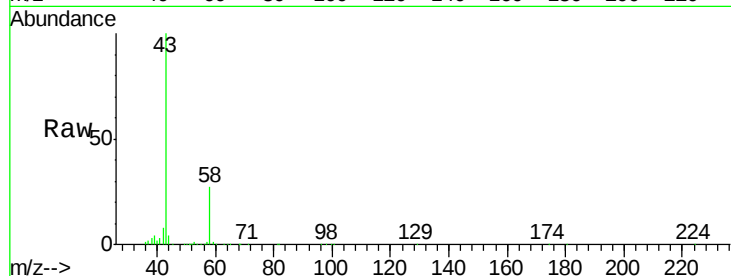
C0AB9

Tot Ion: 43 Resp: 177448

Ion Ratio Lower Upper

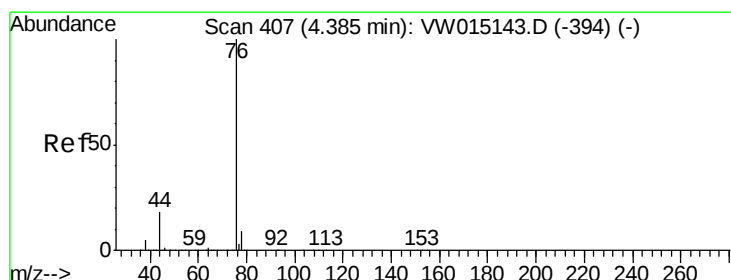
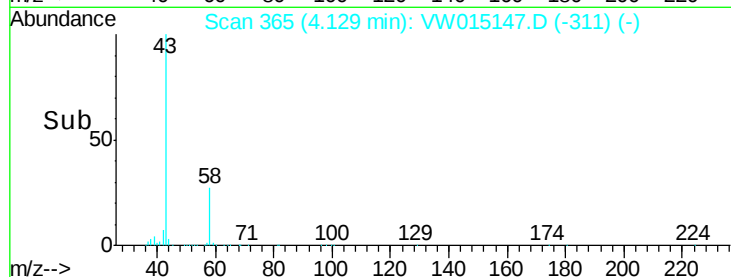
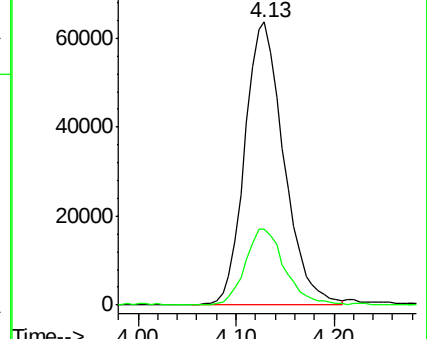
43 100

58 26.9 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.371 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015147.D

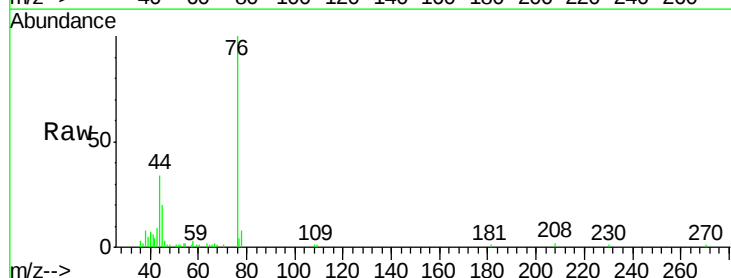
Acq: 26 Mar 2020 12:52

Tgt Ion: 76 Resp: 18453

Ion Ratio Lower Upper

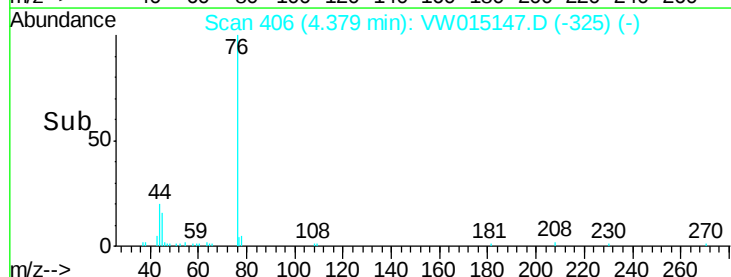
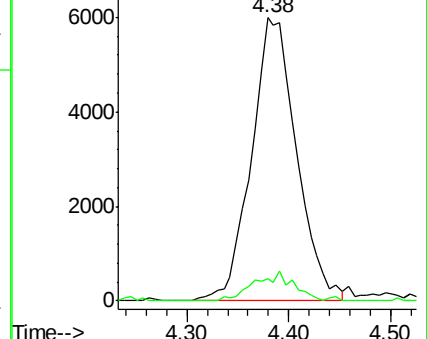
76 100

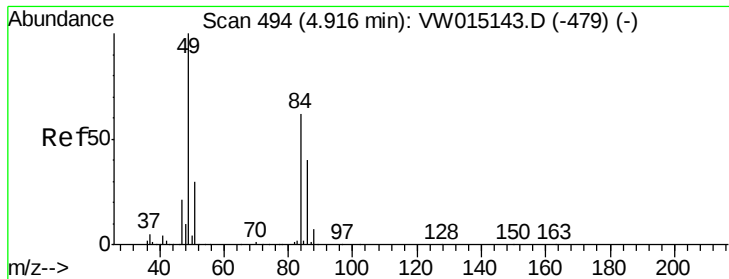
78 7.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

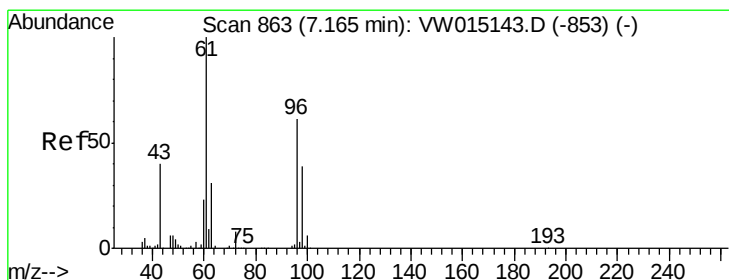
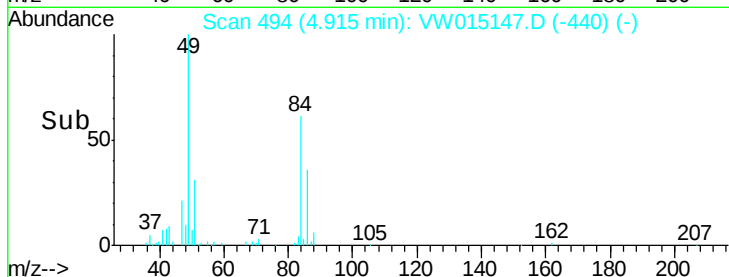
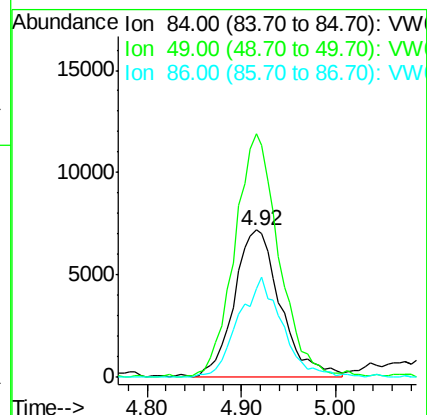
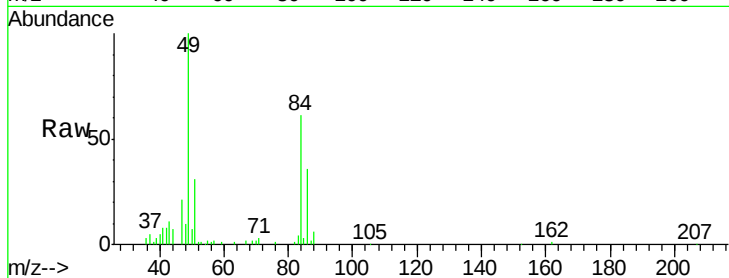




#16
Methvlene chloride
Concen: 5.925 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015147.D
Acq: 26 Mar 2020 12:52

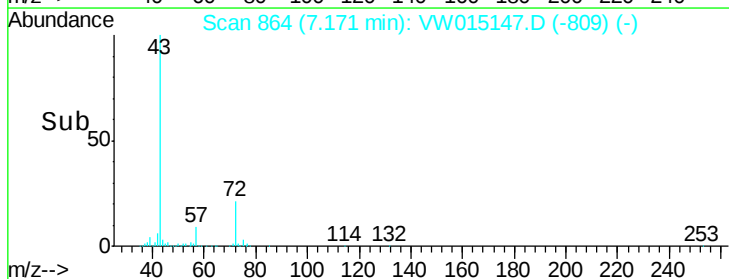
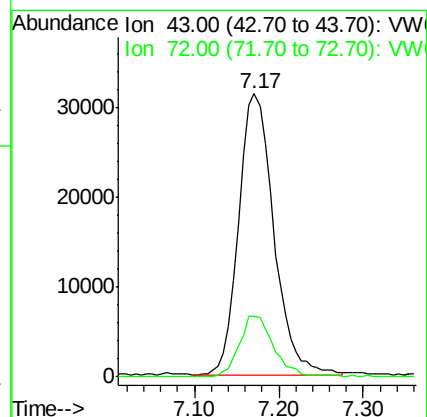
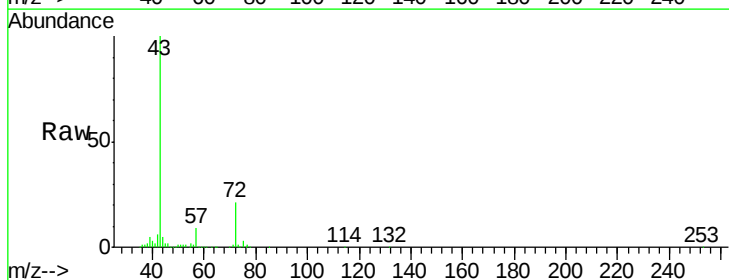
Instrument :
MSVOA_W
ClientSampleId :
C0AB9

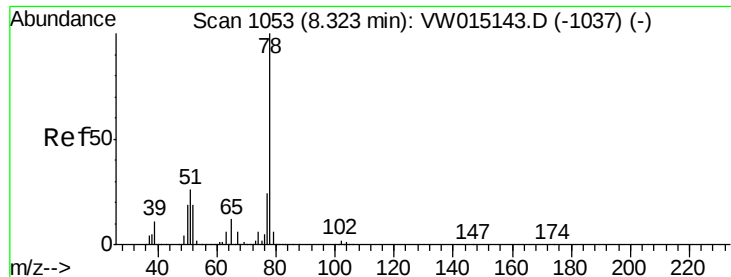
Tot Ion: 84 Resp: 24736
Ion Ratio Lower Upper
84 100
49 165.0 111.7 207.5
86 59.8 44.7 82.9



#21
2-Butanone
Concen: 73.766 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW015147.D
Acq: 26 Mar 2020 12:52

Tgt Ion: 43 Resp: 89529
Ion Ratio Lower Upper
43 100
72 20.0 11.7 35.0





#34

Benzene

Concen: 0.955 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015147.D

Acq: 26 Mar 2020 12:52

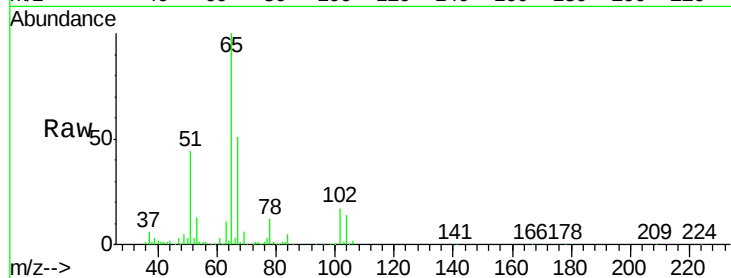
Instrument :

MSVOA_W

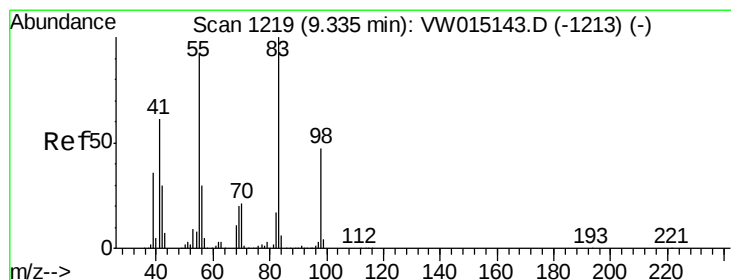
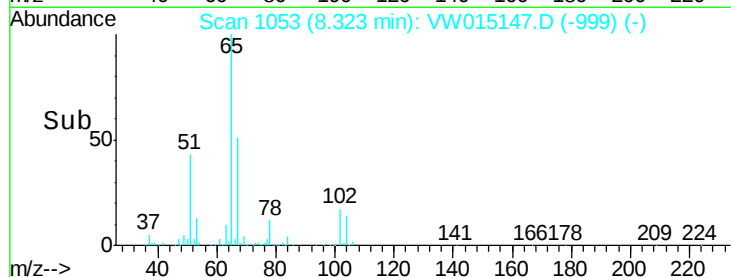
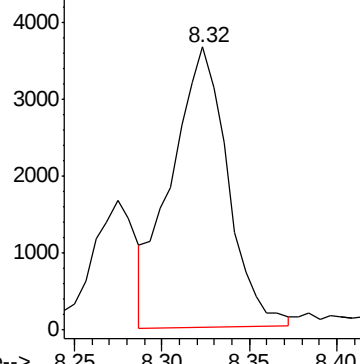
ClientSampleId :

C0AB9

Tgt Ion: 78 Resp: 8133



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 0.616 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015147.D

Acq: 26 Mar 2020 12:52

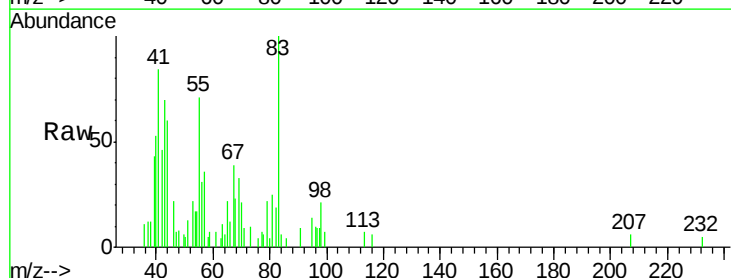
Tgt Ion: 83 Resp: 2196

Ion Ratio Lower Upper

83 100

55 86.4 73.4 110.2

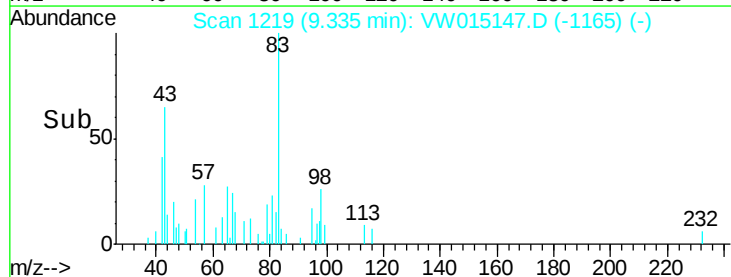
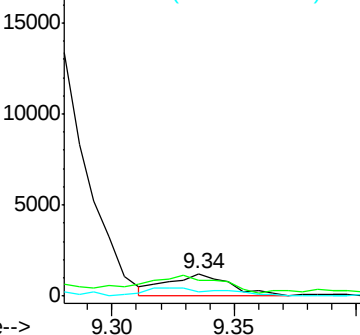
98 18.4 36.6 55.0#

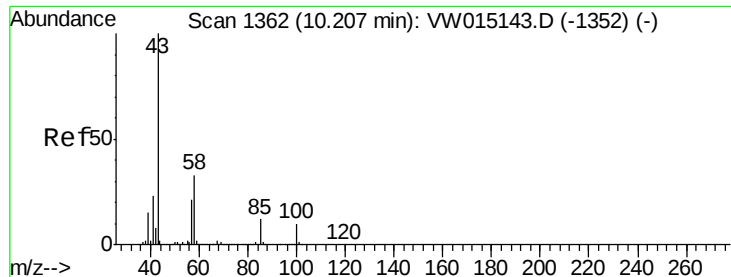


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

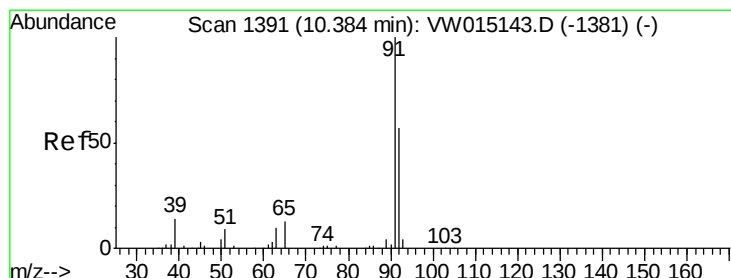
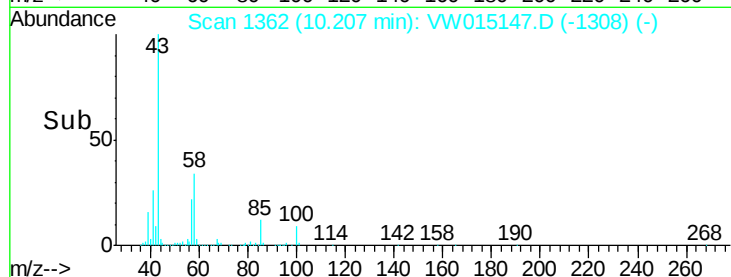
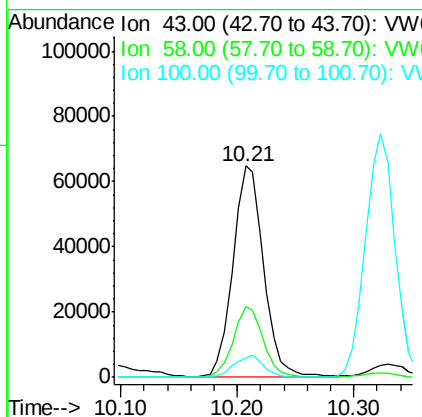
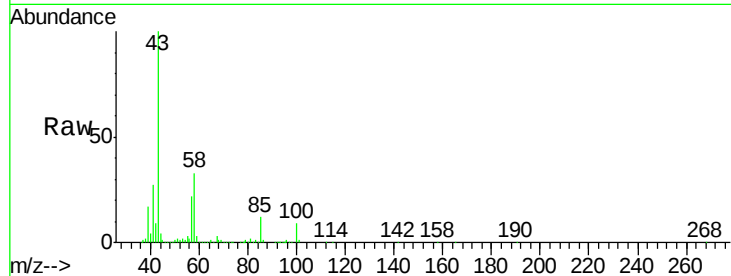




#43
4-Methyl-2-pentanone
Concen: 88.717 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW015147.D
Acq: 26 Mar 2020 12:52

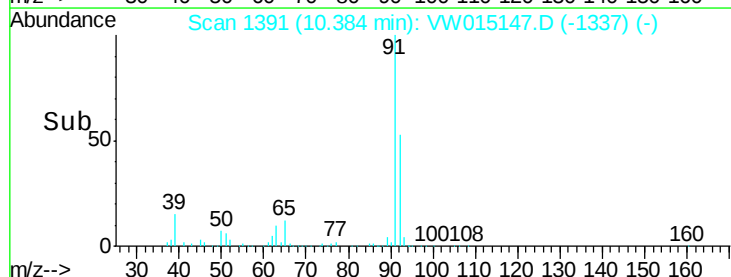
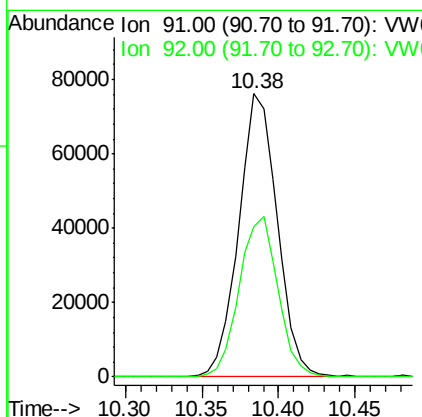
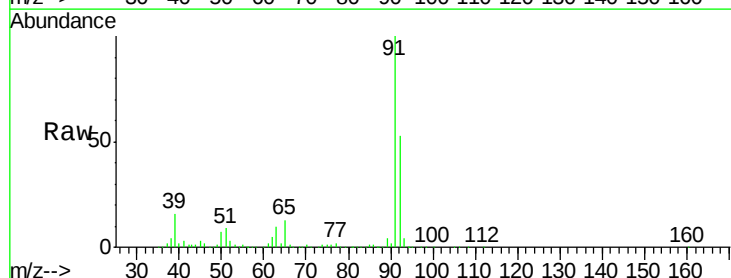
Instrument :
MSVOA_W
ClientSampleId :
C0AB9

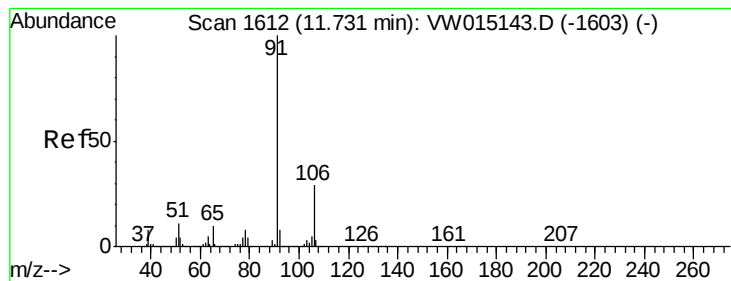
Tot Ion: 43 Resp: 117938
Ion Ratio Lower Upper
43 100
58 32.4 27.9 41.9
100 10.2 8.9 13.3



#44
Toluene
Concen: 15.789 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW015147.D
Acq: 26 Mar 2020 12:52

Tgt Ion: 91 Resp: 133022
Ion Ratio Lower Upper
91 100
92 53.0 40.2 74.6





#53

Ethylbenzene

Concen: 1.711 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015147.D

Acq: 26 Mar 2020 12:52

Instrument :

MSVOA_W

ClientSampled :

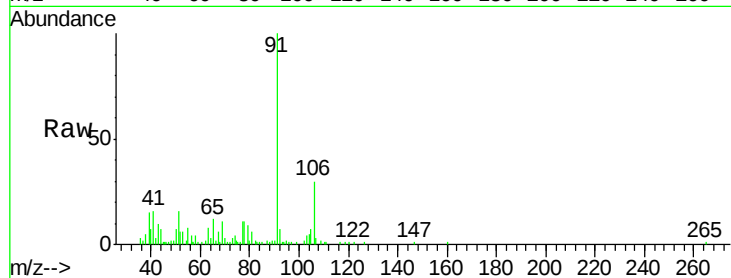
C0AB9

Tot Ion: 91 Resp: 15573

Ion Ratio Lower Upper

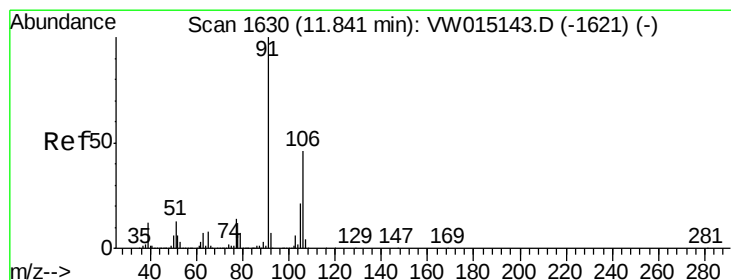
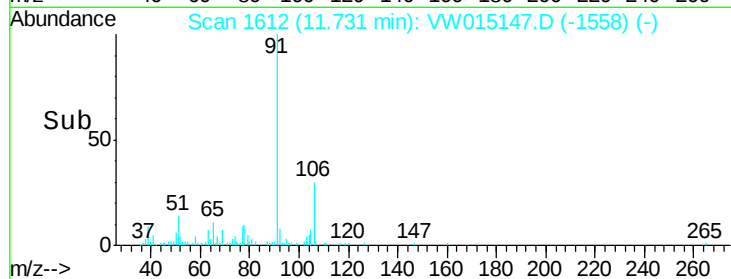
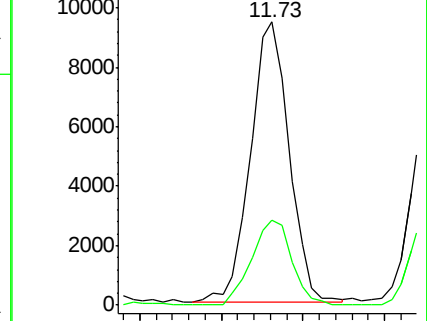
91 100

106 30.0 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 3.037 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015147.D

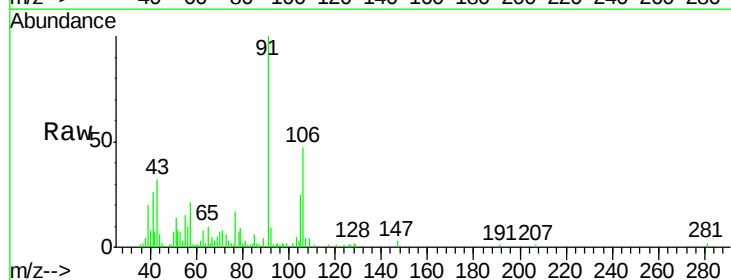
Acq: 26 Mar 2020 12:52

Tgt Ion:106 Resp: 9688

Ion Ratio Lower Upper

106 100

91 213.1 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

