

Data File : VW010939.D
Acq On : 24 Jun 2019 19:28
Operator : SY/VA
Sample : K3456-05
Misc : 4.75G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
YANX5

Quant Time: Jun 25 02:49:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 02:43:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	128013	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	121639	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	40158	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	16034	9.66	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.64%
7) Chloroethane-d5	2.89	69	19028	14.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.52%
10) 1,1-Dichloroethene-d2	4.02	63	35057	8.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	35.76%#
20) 2-Butanone-d5	7.10	46	362	0.46	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.92%#
24) Chloroform-d	7.65	84	97253	28.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.68%
26) 1,2-Dichloroethane-d4	8.31	65	95386	44.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	178.28%#
29) Benzene-d6	8.27	84	175700	24.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.24%
33) 1,2-Dichloropropane-d6	9.27	67	81818	33.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	135.64%#
37) Toluene-d8	10.32	98	143338	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.00%
38) trans-1,3-Dichloropropene-	10.58	79	21084	19.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.96%
39) 2-Hexanone-d5	10.93	63	240	0.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.88%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	87726	44.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	176.44%#
61) 1,2-Dichlorobenzene-d4	13.85	152	40949	27.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.04%

Target Compounds

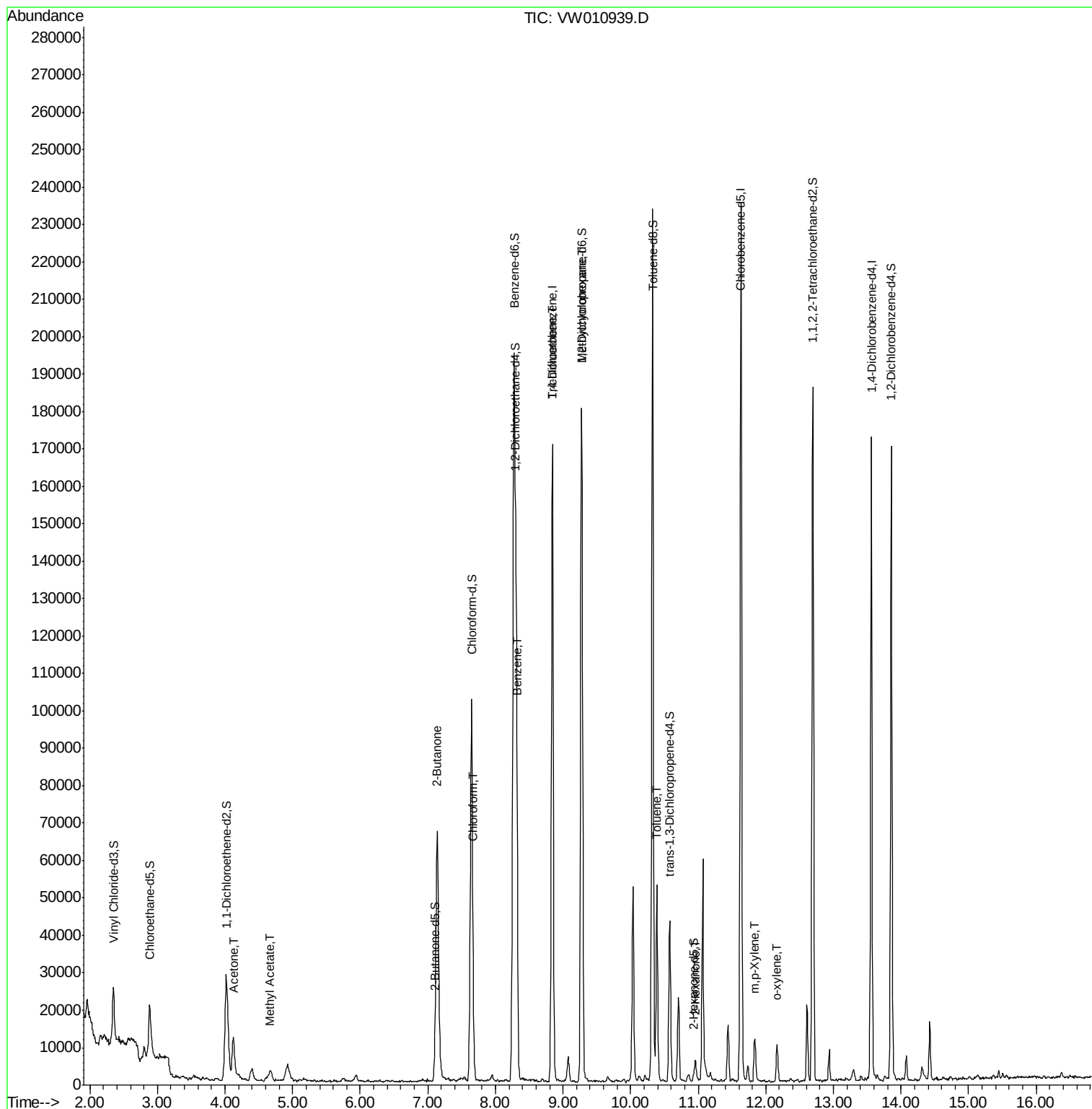
					Qvalue
13) Acetone	4.12	43	20573	27.570 ug/L	99
15) Methyl Acetate	4.67	43	5088	3.939 ug/L #	79
21) 2-Butanone	7.15	43	9386	9.564 ug/L #	67
25) Chloroform	7.67	83	2699	0.799 ug/L #	42
34) Benzene	8.32	78	5008	0.627 ug/L	100
35) Trichloroethene	8.84	95	4327	2.135 ug/L #	7
36) Methylcyclohexane	9.27	83	18691	5.024 ug/L #	14
44) Toluene	10.39	91	35457	4.242 ug/L	96
49) 2-Hexanone	10.96	43	4217	2.903 ug/L #	46
54) m,p-Xylene	11.84	106	3226	0.944 ug/L	87
55) o-xylene	12.16	106	2185	0.666 ug/L	90

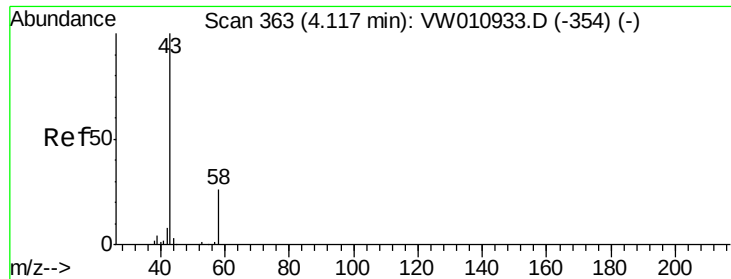
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 27.570 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 24 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

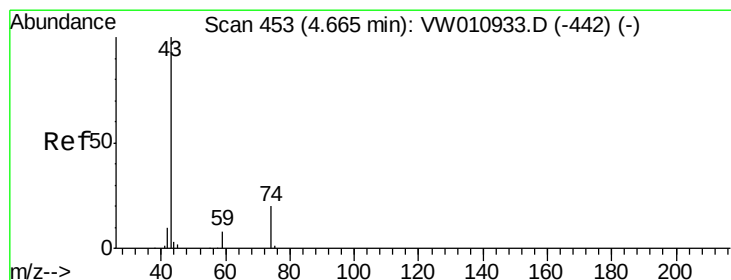
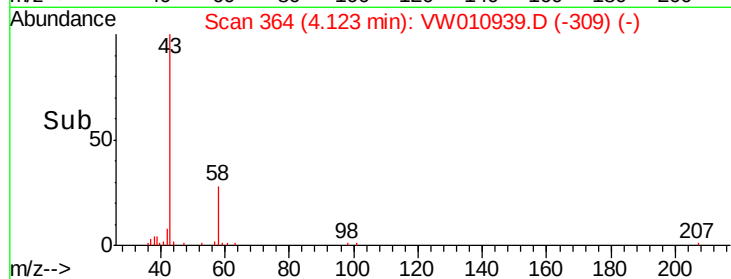
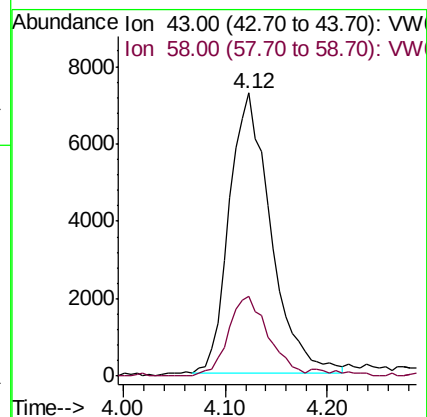
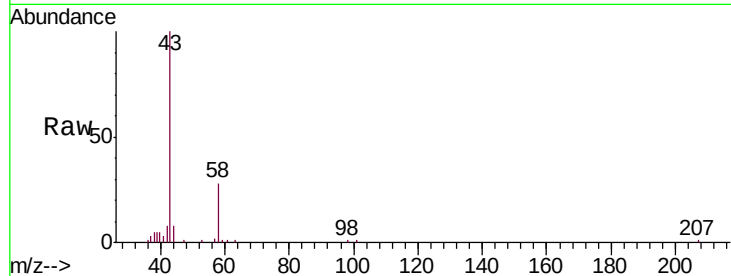
YANX5

Tgt Ion: 43 Resp: 20573

Ion Ratio Lower Upper

43 100

58 27.3 0.0 53.2



#15

Methyl Acetate

Concen: 3.939 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010939.D

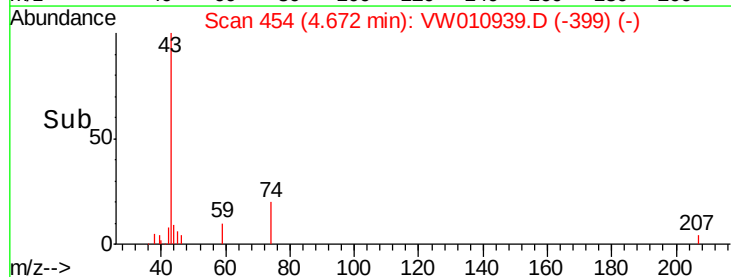
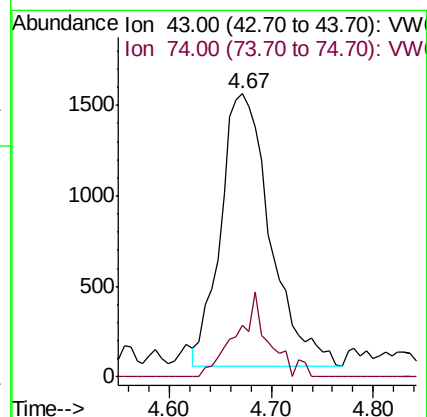
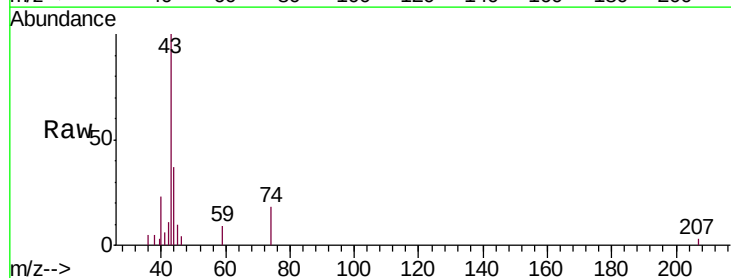
Acq: 24 Jun 2019 19:28

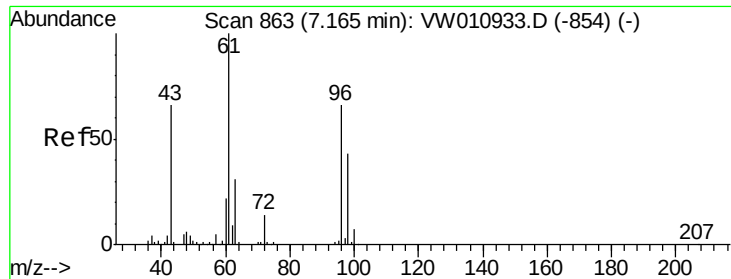
Tgt Ion: 43 Resp: 5088

Ion Ratio Lower Upper

43 100

74 9.7 15.3 22.9#





#21

2-Butanone

Concen: 9.564 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW010939.D

Acq: 24 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampled :

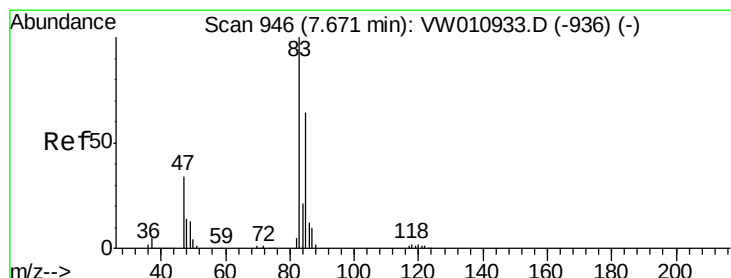
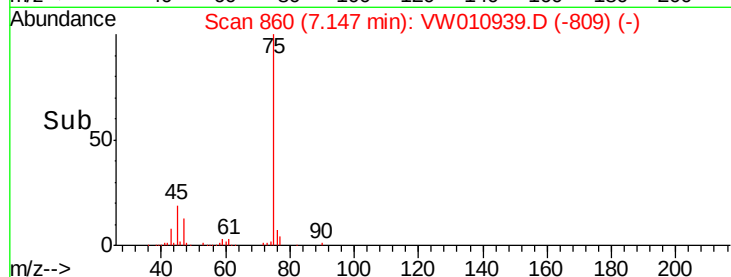
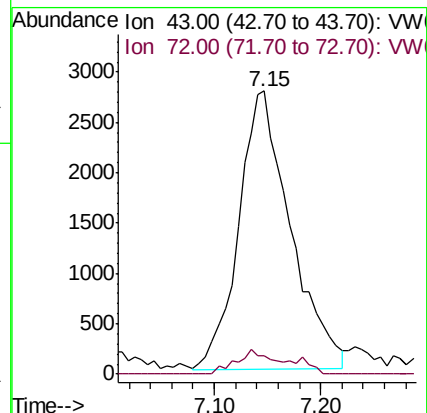
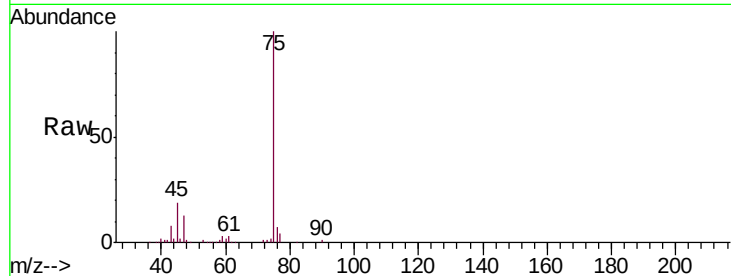
YANX5

Tgt Ion: 43 Resp: 9386

Ion Ratio Lower Upper

43 100

72 6.1 10.9 32.6#



#25

Chloroform

Concen: 0.799 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010939.D

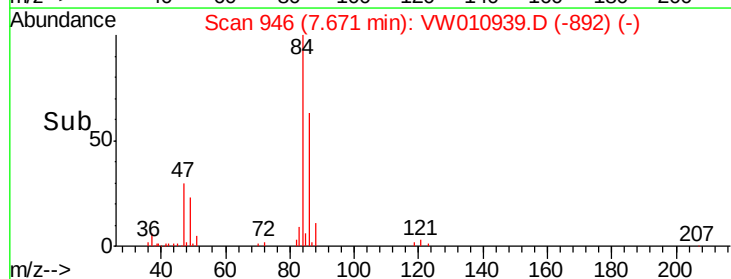
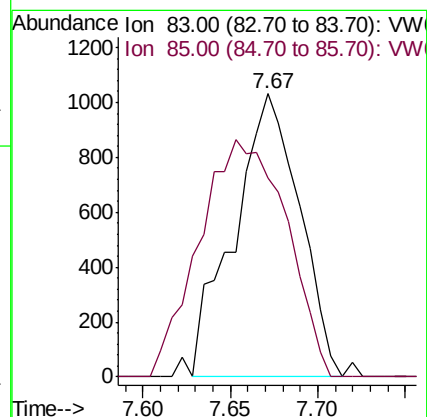
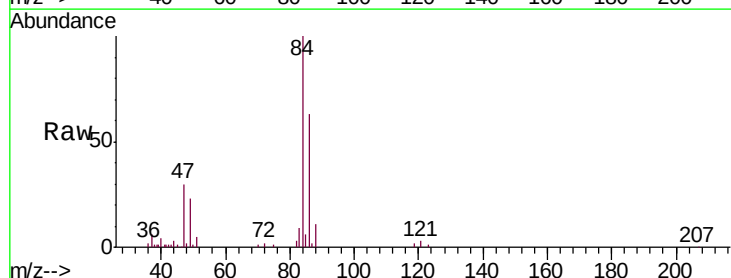
Acq: 24 Jun 2019 19:28

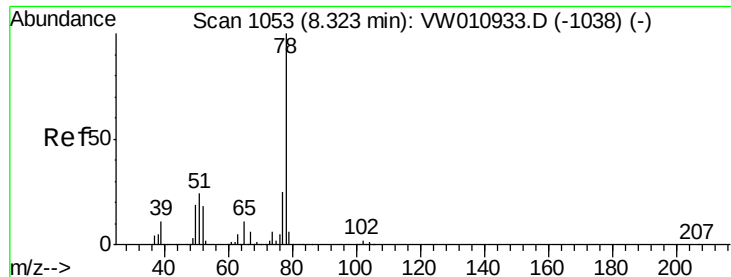
Tgt Ion: 83 Resp: 2699

Ion Ratio Lower Upper

83 100

85 111.0 45.6 84.8#

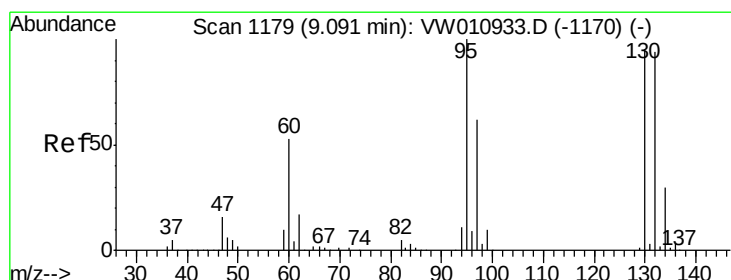
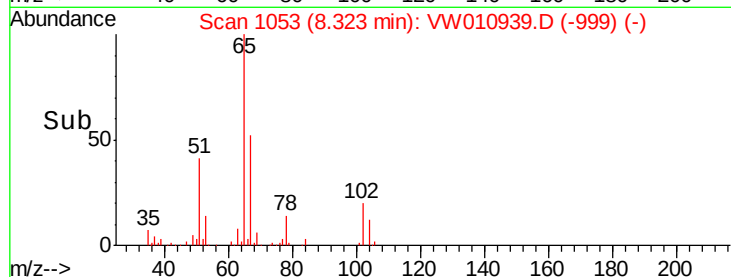
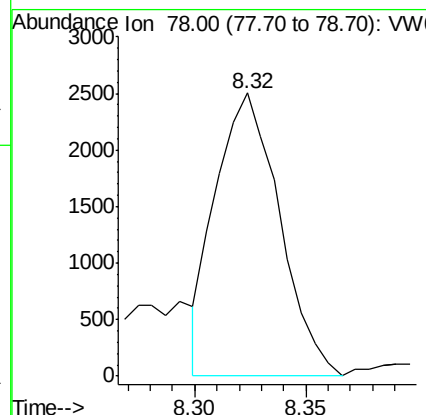
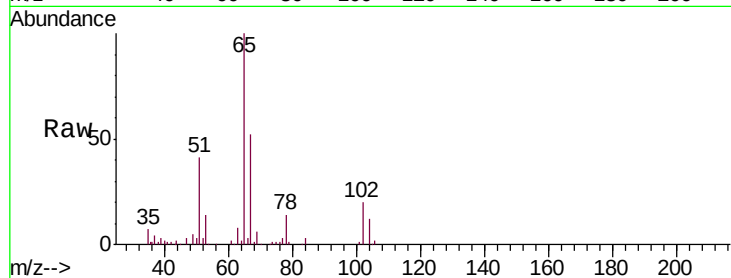




#34
Benzene
Concen: 0.627 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010939.D
Acq: 24 Jun 2019 19:28

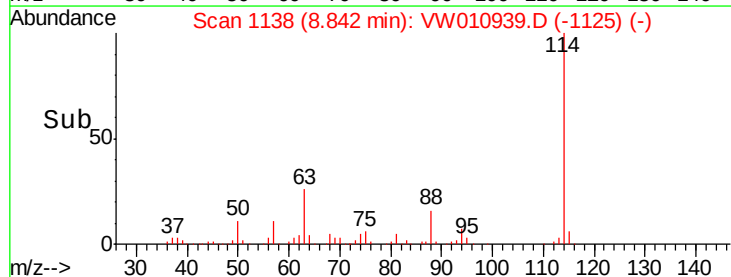
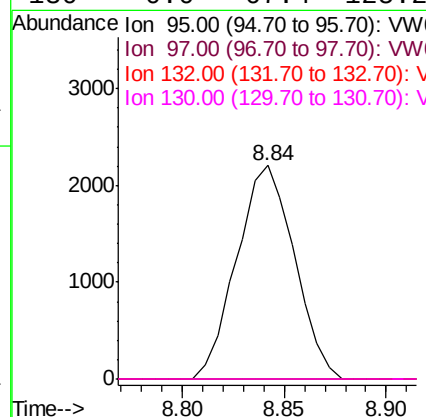
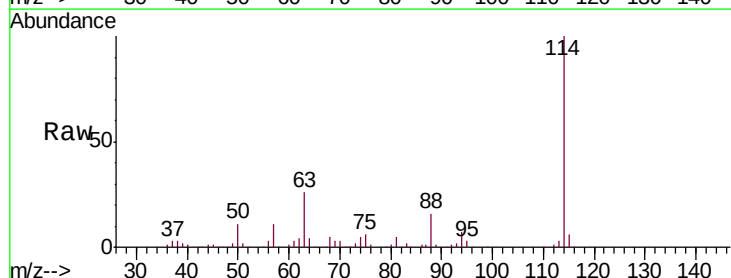
Instrument :
MSVOA_W
ClientSampleId :
YANX5

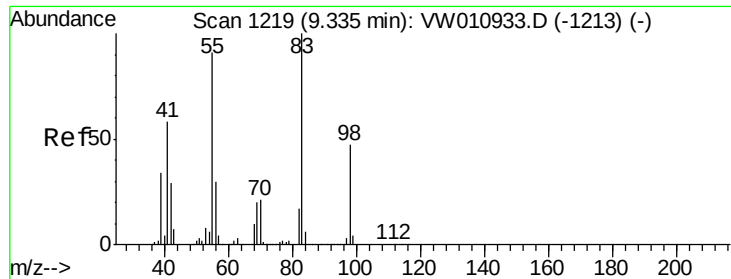
Tgt Ion: 78 Resp: 5008



#35
Trichloroethene
Concen: 2.135 ug/L
RT: 8.84 min Scan# 1138
Delta R.T. -0.25 min
Lab File: VW010939.D
Acq: 24 Jun 2019 19:28

Tgt Ion: 95 Resp: 4327
Ion Ratio Lower Upper
95 100
97 1.2 44.9 83.3#
132 1.0 64.0 119.0#
130 0.0 67.4 125.2#

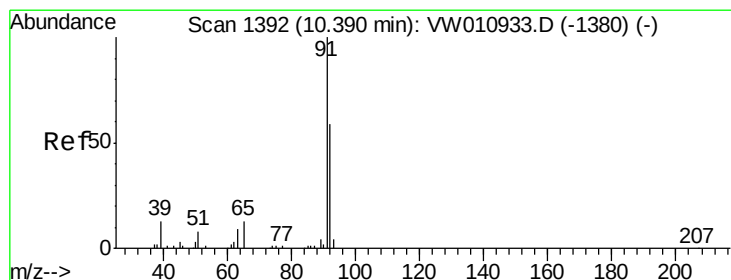
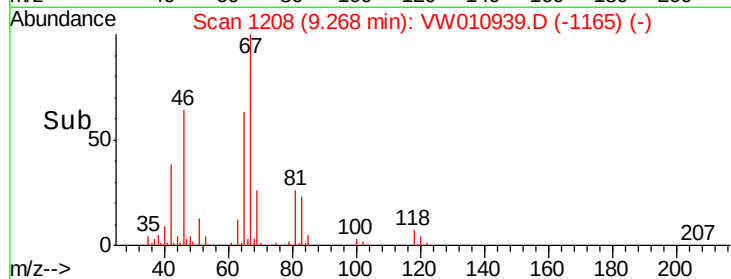
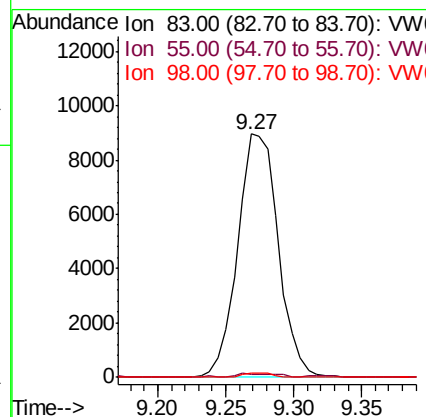
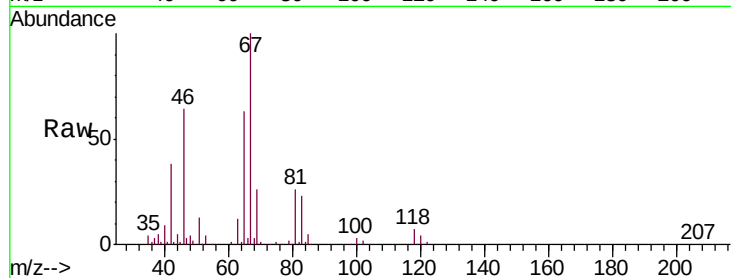




#36
Methylcyclohexane
Concen: 5.024 ug/L
RT: 9.27 min Scan# 1208
Delta R.T. -0.07 min
Lab File: VW010939.D
Acq: 24 Jun 2019 19:28

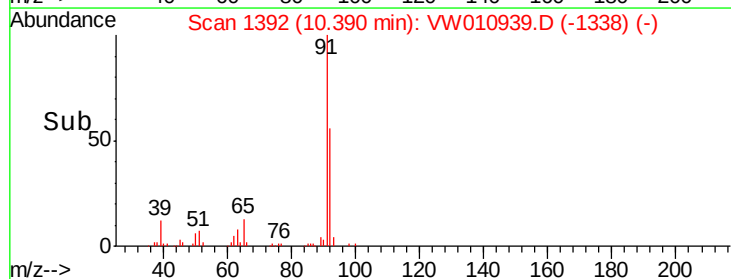
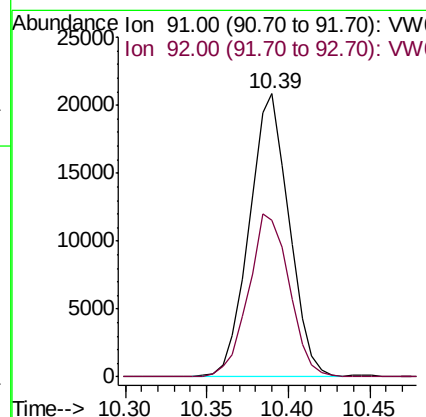
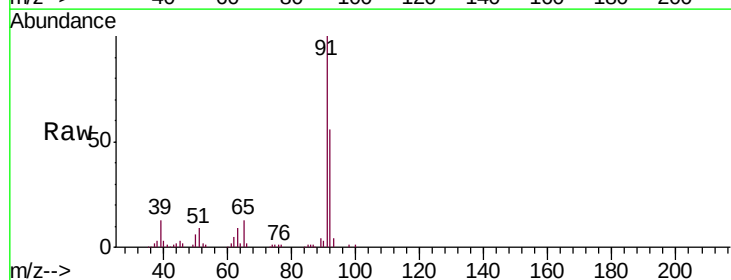
Instrument :
MSVOA_W
ClientSampleId :
YANX5

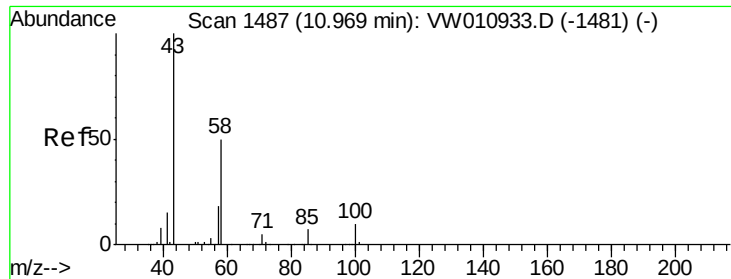
Tgt Ion: 83 Resp: 18691
Ion Ratio Lower Upper
83 100
55 1.0 72.2 108.2#
98 1.4 37.8 56.8#



#44
Toluene
Concen: 4.242 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW010939.D
Acq: 24 Jun 2019 19:28

Tgt Ion: 91 Resp: 35457
Ion Ratio Lower Upper
91 100
92 55.6 41.2 76.4





#49

2-Hexanone

Concen: 2.903 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW010939.D

Acq: 24 Jun 2019 19:28

Instrument :

MSVOA_W

ClientSampleId :

YANX5

Tgt Ion: 43 Resp: 4217

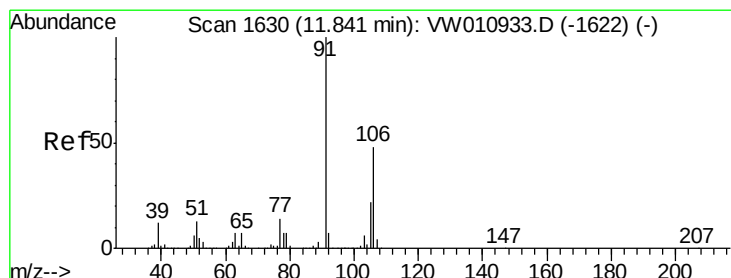
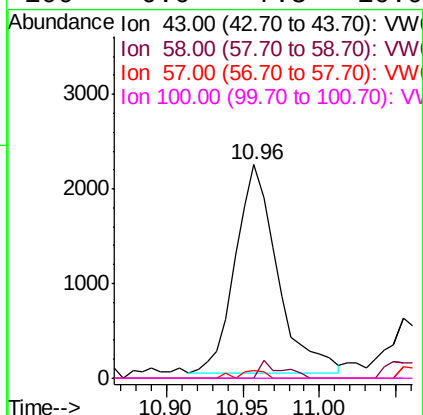
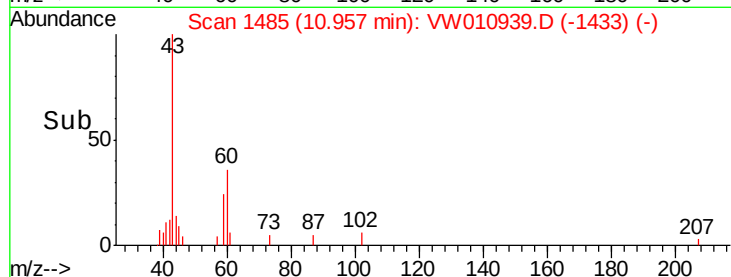
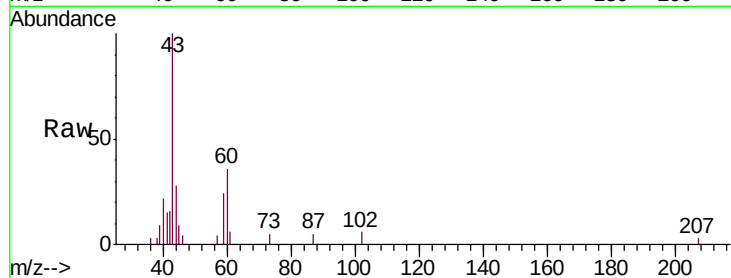
Ion Ratio Lower Upper

43 100

58 3.1 38.3 57.5#

57 1.9 13.8 20.8#

100 0.0 7.3 10.9#



#54

m,p-Xylene

Concen: 0.944 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW010939.D

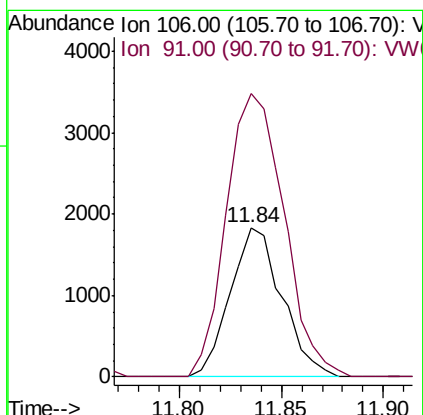
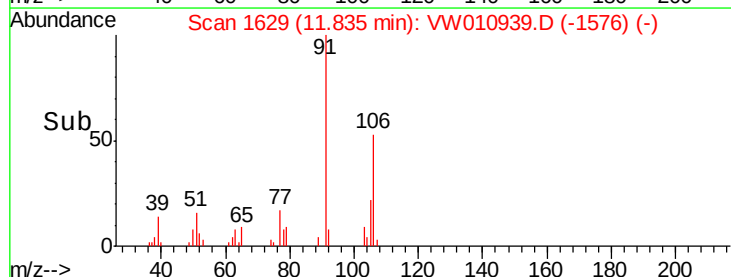
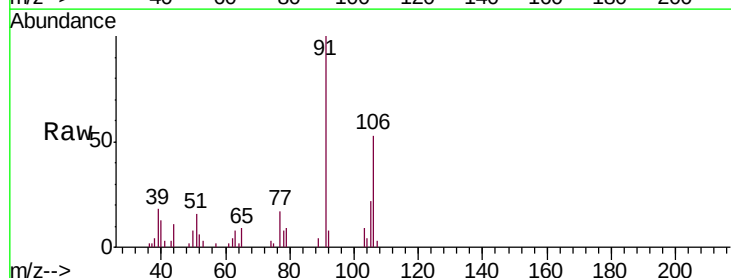
Acq: 24 Jun 2019 19:28

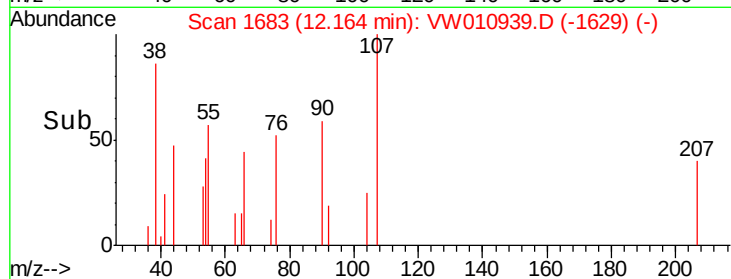
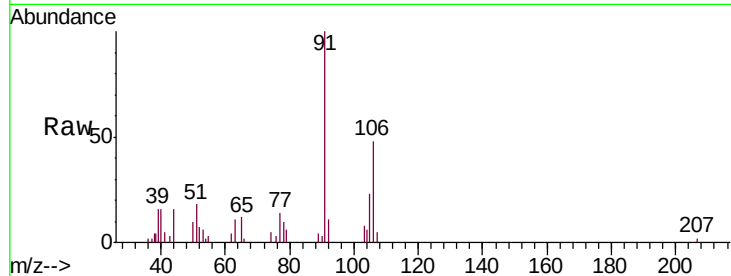
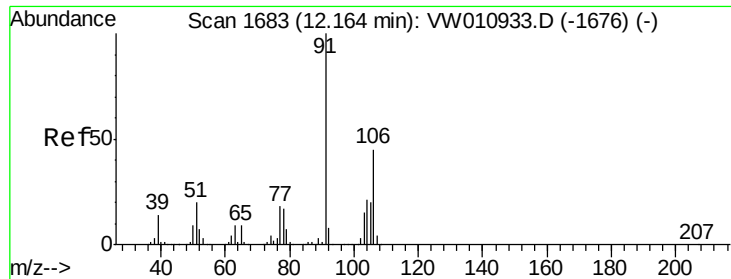
Tgt Ion: 106 Resp: 3226

Ion Ratio Lower Upper

106 100

91 189.5 146.5 272.1





#55
o-xylene
Concen: 0.666 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010939.D
Acq: 24 Jun 2019 19:28

Instrument :
MSVOA_W
ClientSampleId :
YANX5

Tgt Ion:106 Resp: 2185
Ion Ratio Lower Upper
106 100
91 207.5 156.1 289.9

