

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122719\
 Data File : VW014483.D
 Acq On : 28 Dec 2019 00:24
 Operator : SY/VA
 Sample : K6397-01
 Misc : 5.58G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 28 03:27:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 28 03:24:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1368550	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1205980	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	560777	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	350893	18.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.76%
7) Chloroethane-d5	2.89	69	315317	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.72%
10) 1,1-Dichloroethene-d2	4.01	63	532174	15.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.32%
20) 2-Butanone-d5	7.07	46	182151	39.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.36%
24) Chloroform-d	7.64	84	682313	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.30	65	352892	21.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.40%
29) Benzene-d6	8.27	84	1481683	23.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.40%
33) 1,2-Dichloropropane-d6	9.27	67	454606	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.32%
37) Toluene-d8	10.32	98	1342902	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.40%
38) trans-1,3-Dichloropropene-	10.57	79	175275	22.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.04%
39) 2-Hexanone-d5	10.92	63	152067	46.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.24%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	312142	21.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	415767	22.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
3) Chloromethane	2.18	50	5354	0.387 ug/L #	42
13) Acetone	4.12	43	28190	4.435 ug/L	93
14) Carbon disulfide	4.39	76	34147	0.632 ug/L	98
30) Cyclohexane	7.91	56	138938	4.504 ug/L #	50
34) Benzene	8.32	78	70022	0.965 ug/L	100
36) Methylcyclohexane	9.33	83	123930	3.771 ug/L #	59
41) Bromodichloromethane	9.62	83	12115	0.548 ug/L #	29
42) cis-1,3-Dichloropropene	10.03	75	11518	0.420 ug/L #	67
43) 4-Methyl-2-pentanone	10.24	43	34111	2.893 ug/L #	73
44) Toluene	10.38	91	214016	2.822 ug/L	97
46) 1,1,2-Trichloroethane	10.76	97	69242	5.322 ug/L #	24
53) Ethylbenzene	11.73	91	367543	4.408 ug/L	98
54) m,p-Xylene	11.84	106	146245	4.634 ug/L	97
55) o-xylene	12.16	106	67922	2.279 ug/L	94
57) Isopropylbenzene	12.46	105	446279	5.629 ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.45	75	29918	12.694 ug/L #	1
69) Naphthalene	15.36	128	1316797	38.688 ug/L	99

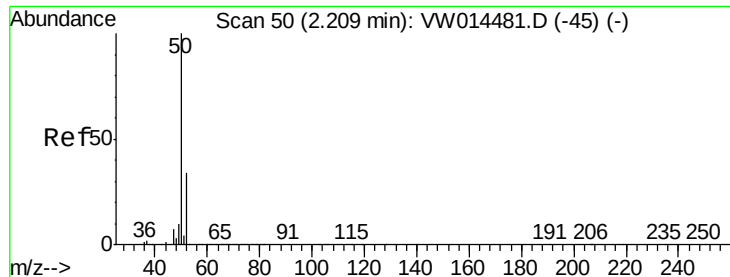
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122719\
Data File : VW014483.D
Acq On : 28 Dec 2019 00:24
Operator : SY/VA
Sample : K6397-01
Misc : 5.58G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Dec 28 03:27:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 28 03:24:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#3

Chloromethane

Concen: 0.387 ug/L

RT: 2.18 min Scan# 45

Delta R.T. -0.03 min

Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

Instrument :

MSVOA_W

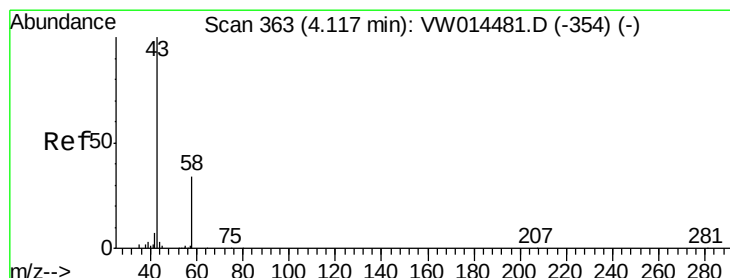
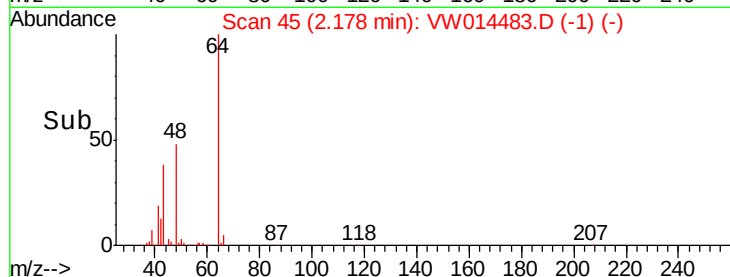
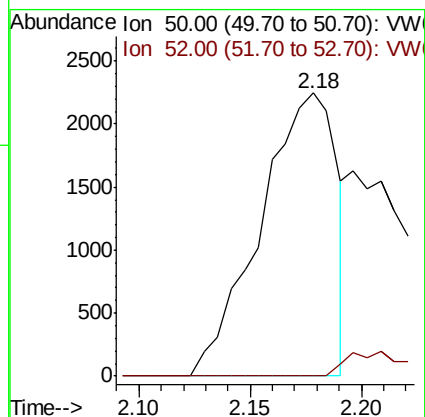
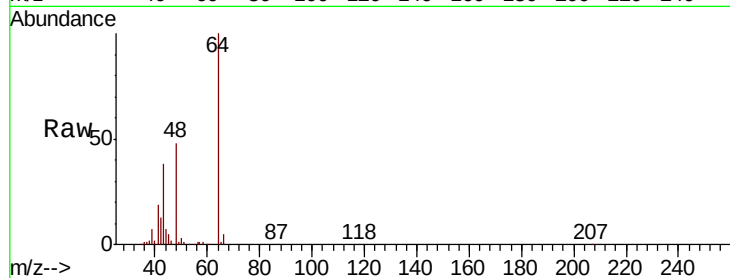
ClientSampled :

Tot Ion: 50 Resp: 5354

Ion Ratio Lower Upper

50 100

52 0.0 23.0 42.8#



#13

Acetone

Concen: 4.435 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014483.D

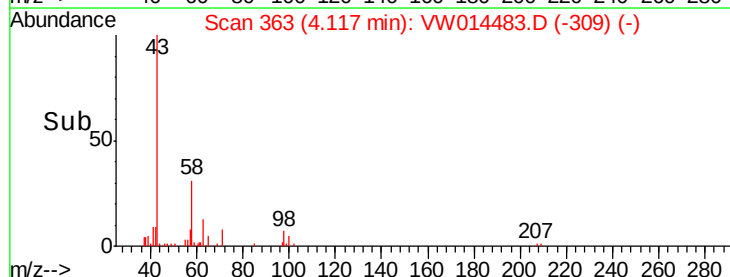
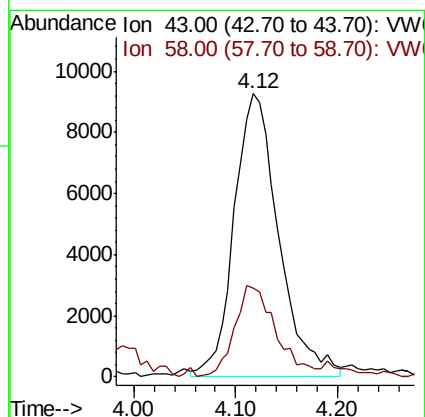
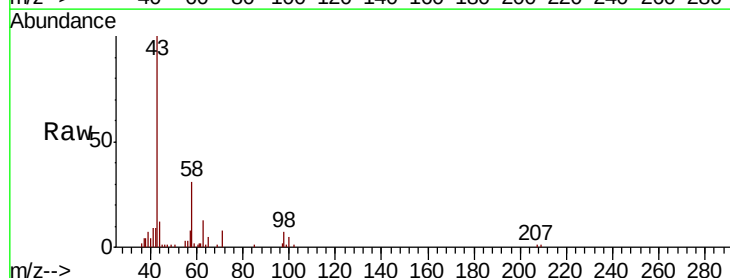
Acq: 28 Dec 2019 00:24

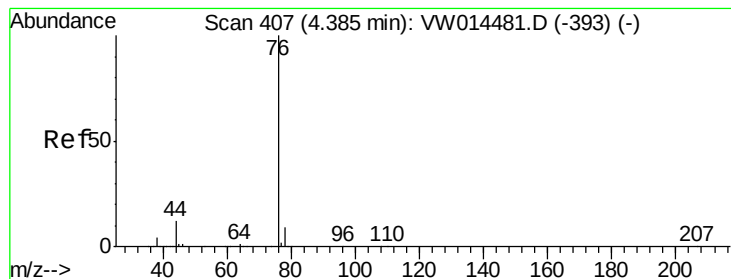
Tgt Ion: 43 Resp: 28190

Ion Ratio Lower Upper

43 100

58 28.4 0.0 64.0





#14

Carbon disulfide

Concen: 0.632 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

Instrument :

MSVOA_W

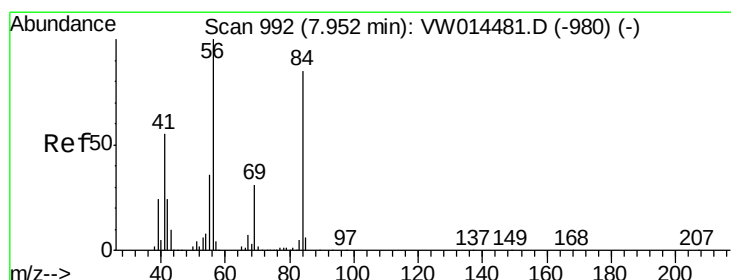
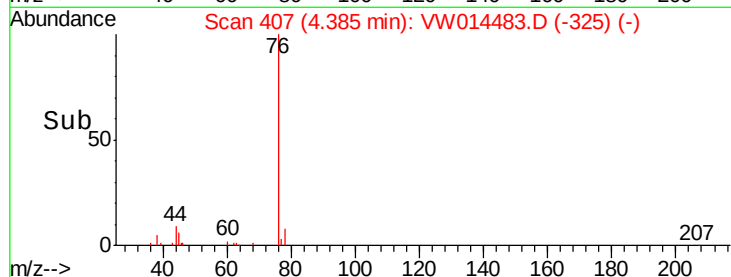
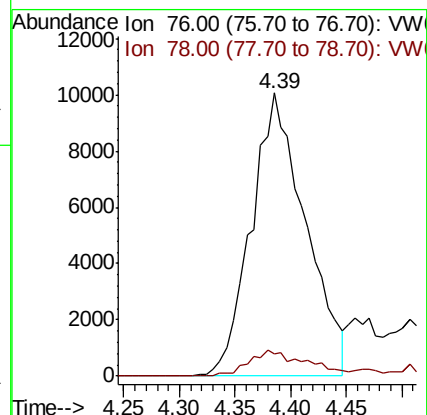
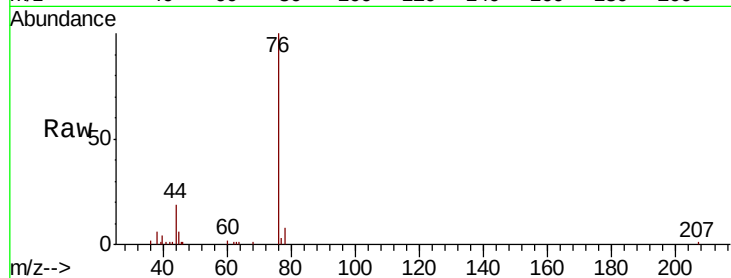
ClientSampled :

Tot Ion: 76 Resp: 34147

Ion Ratio Lower Upper

76 100

78 7.7 6.9 10.3



#30

Cyclohexane

Concen: 4.504 ug/L

RT: 7.91 min Scan# 986

Delta R.T. -0.04 min

Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

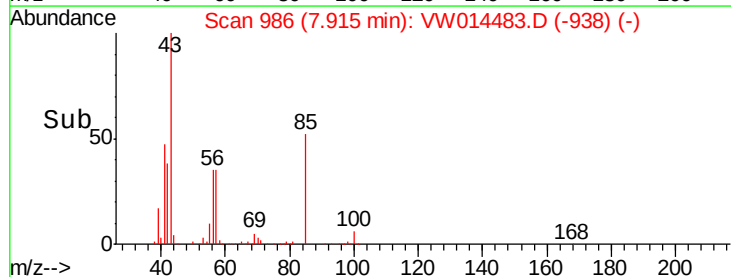
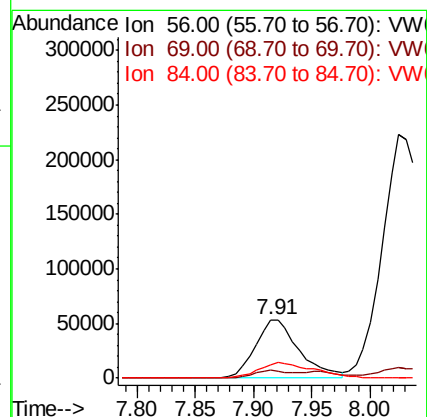
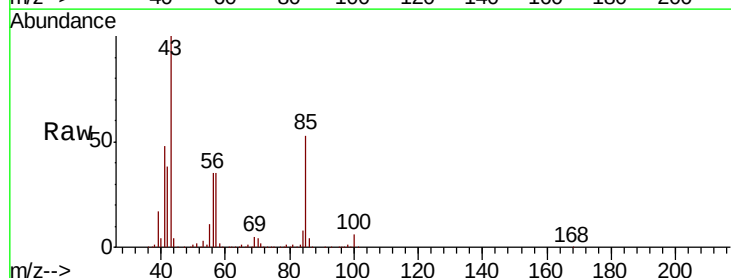
Tgt Ion: 56 Resp: 138938

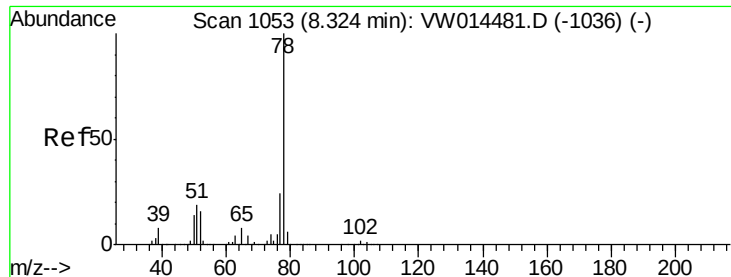
Ion Ratio Lower Upper

56 100

69 12.0 23.8 35.8#

84 34.3 68.2 102.2#





#34

Benzene

Concen: 0.965 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014483.D

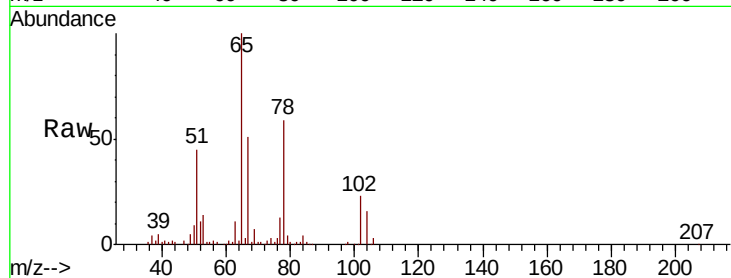
Acq: 28 Dec 2019 00:24

Instrument :

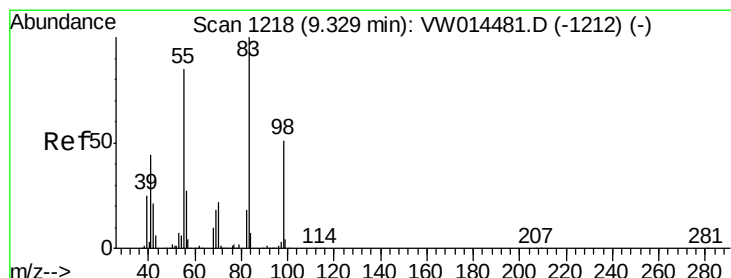
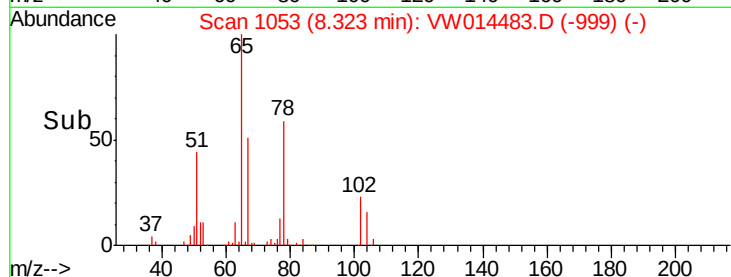
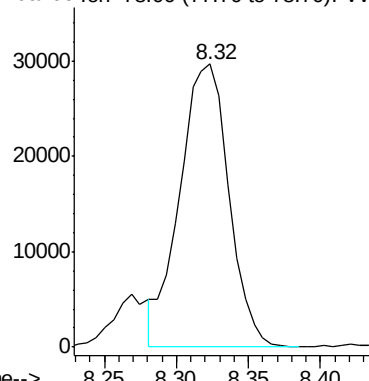
MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 70022



Abundance Ion 78.00 (77.70 to 78.70): VW



#36

Methylcyclohexane

Concen: 3.771 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014483.D

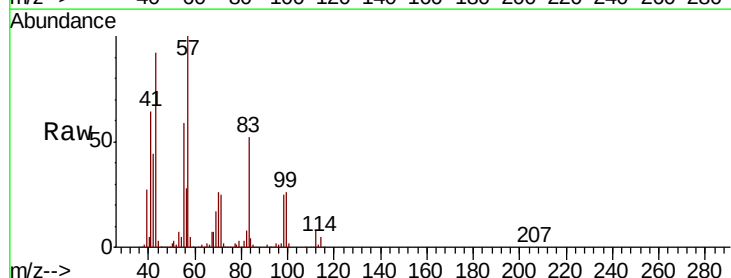
Acq: 28 Dec 2019 00:24

Tgt Ion: 83 Resp: 123930

Ion	Ratio	Lower	Upper
83	100		

55	135.2	63.7	95.5#
----	-------	------	-------

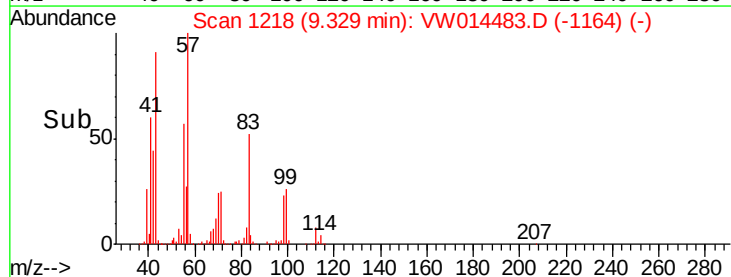
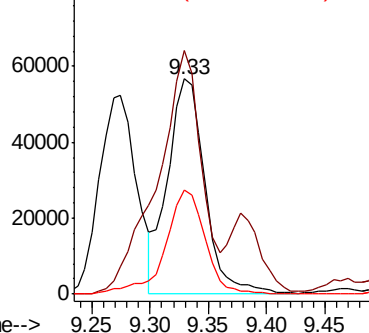
98	52.2	39.4	59.2
----	------	------	------

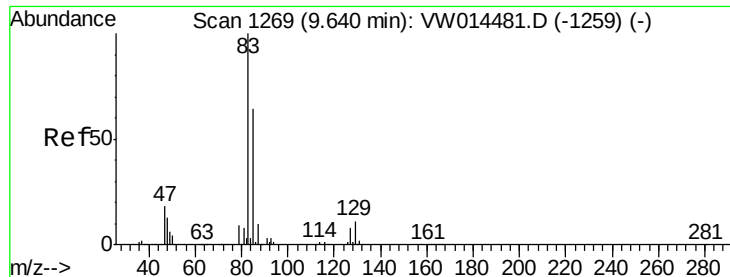


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#41

Bromodichloromethane

Concen: 0.548 ug/L

RT: 9.62 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

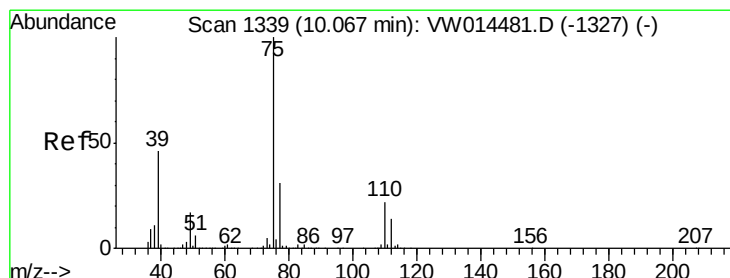
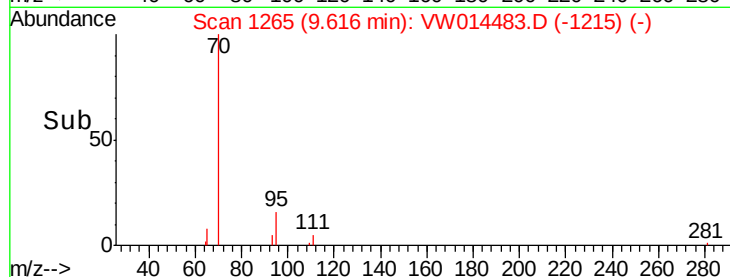
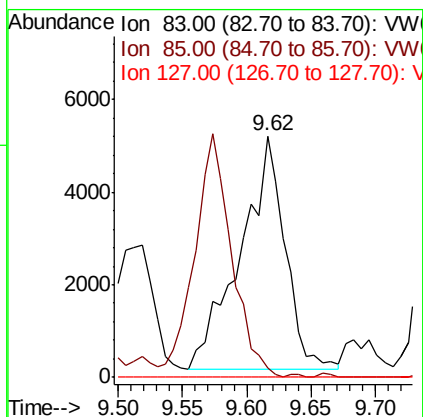
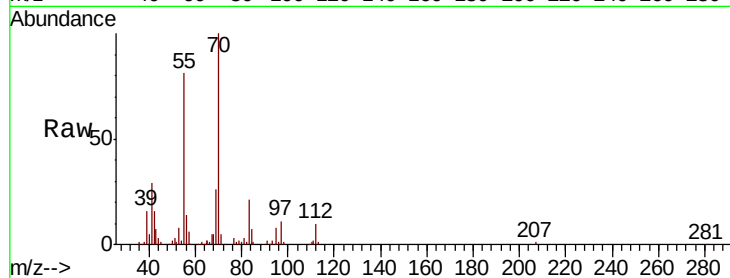
Tot Ion: 83 Resp: 12115

Ion Ratio Lower Upper

83 100

85 4.0 44.7 83.1#

127 0.0 6.3 9.5#



#42

cis-1,3-Dichloropropene

Concen: 0.420 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW014483.D

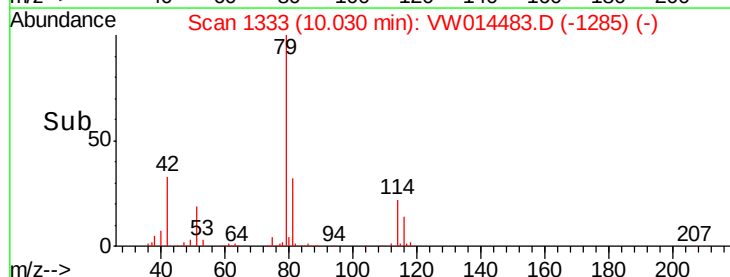
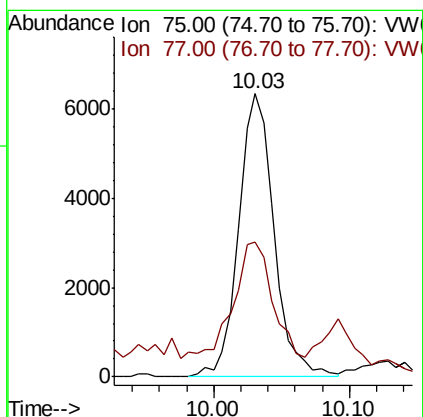
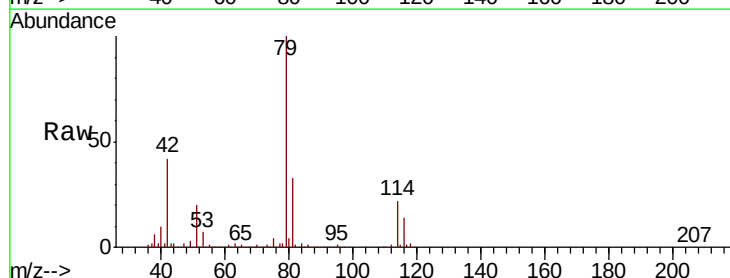
Acq: 28 Dec 2019 00:24

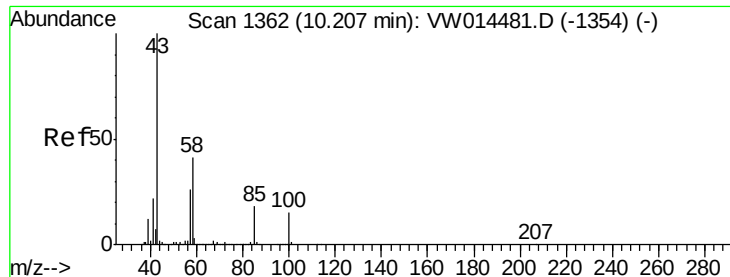
Tgt Ion: 75 Resp: 11518

Ion Ratio Lower Upper

75 100

77 47.7 21.0 39.0#

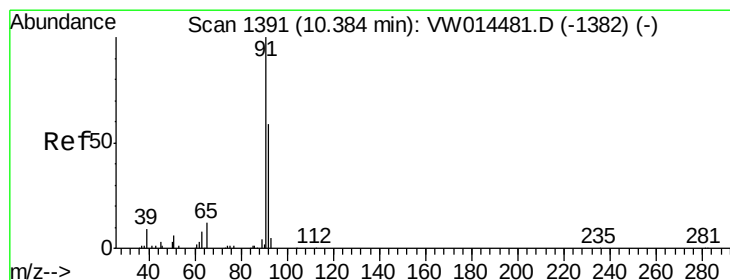
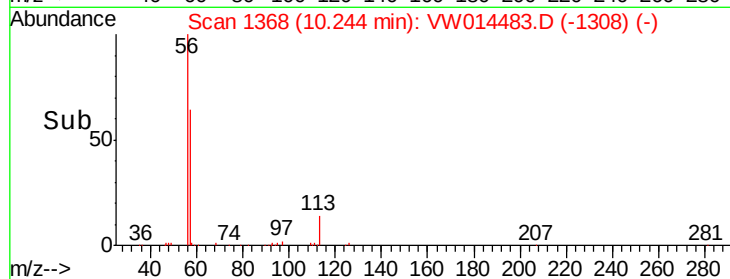
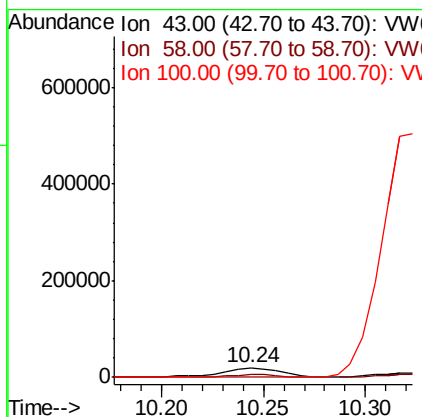
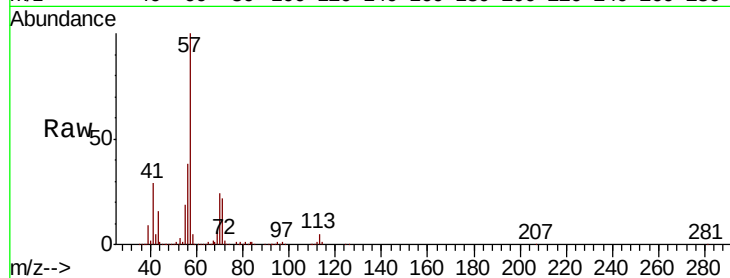




#43
4-Methyl-2-pentanone
Concen: 2.893 ug/L
RT: 10.24 min Scan# 1368
Delta R.T. 0.04 min
Lab File: VW014483.D
Acq: 28 Dec 2019 00:24

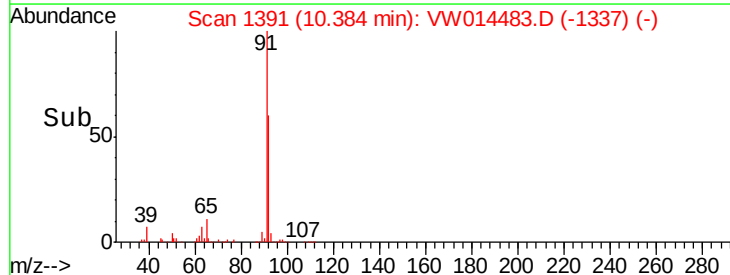
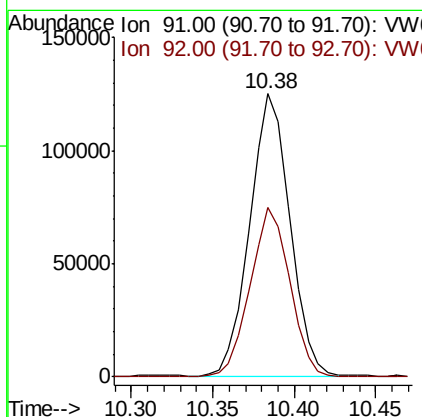
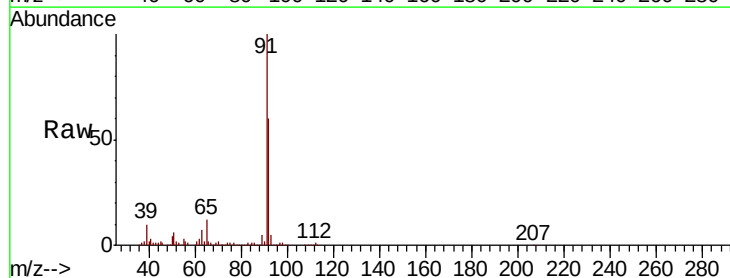
Instrument :
MSVOA_W
ClientSampleId :

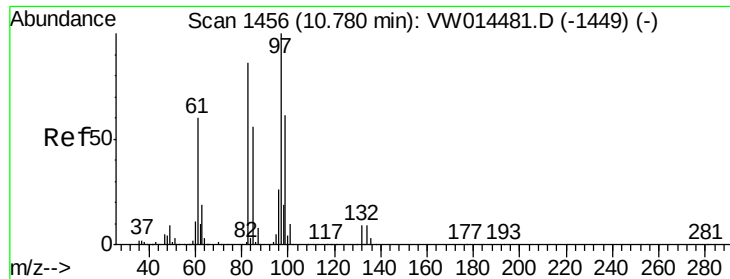
Tot Ion: 43 Resp: 34111
Ion Ratio Lower Upper
43 100
58 26.4 32.6 48.8#
100 0.2 12.6 19.0#



#44
Toluene
Concen: 2.822 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014483.D
Acq: 28 Dec 2019 00:24

Tgt Ion: 91 Resp: 214016
Ion Ratio Lower Upper
91 100
92 59.7 40.2 74.6

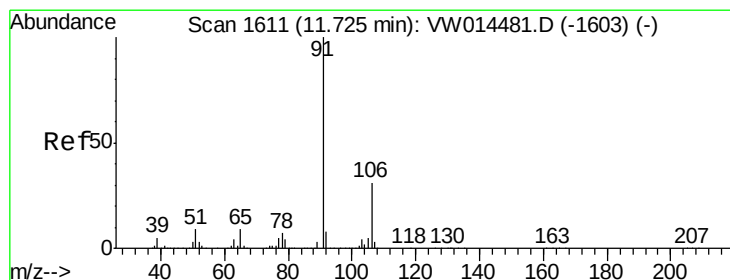
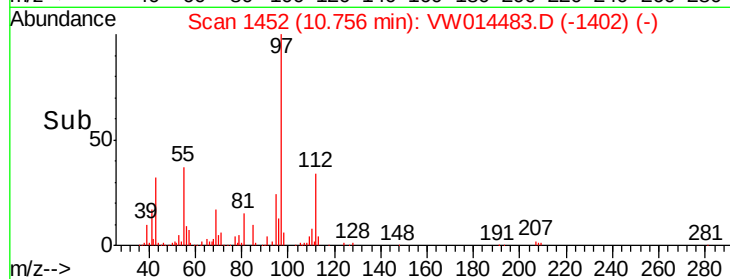
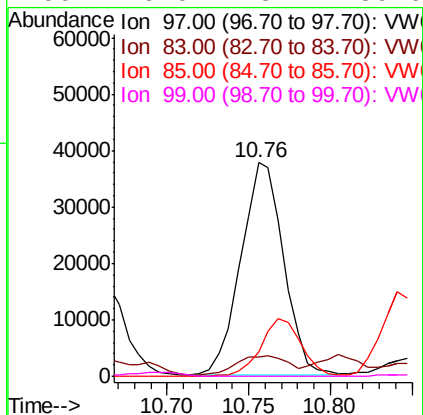
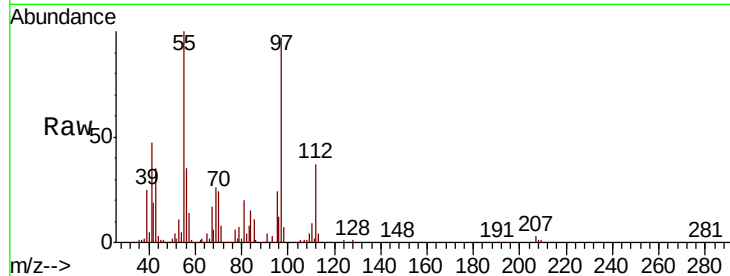




#46
 1,1,2-Trichloroethane
 Concen: 5.322 ug/L
 RT: 10.76 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: VW014483.D
 Acq: 28 Dec 2019 00:24

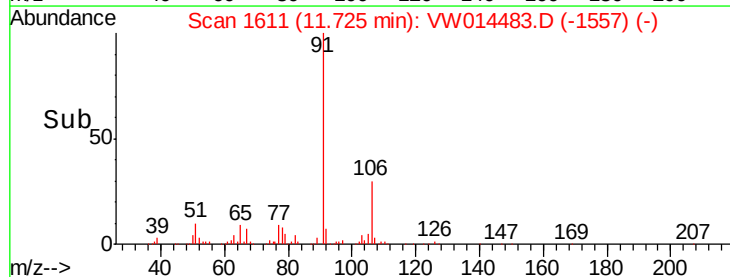
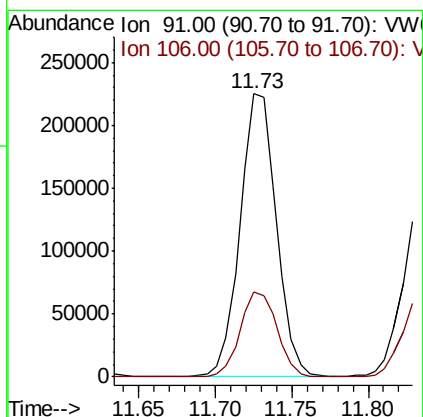
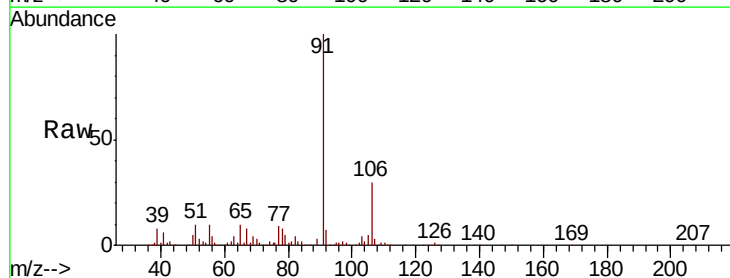
Instrument :
 MSVOA_W
 ClientSampleId :

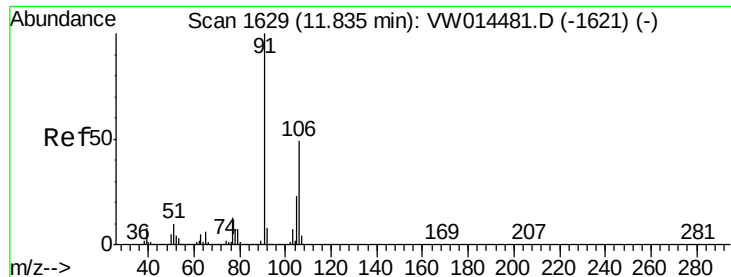
Tot Ion: 97 Resp: 69242
 Ion Ratio Lower Upper
 97 100
 83 8.7 60.1 111.5#
 85 11.7 38.1 70.9#
 99 0.0 43.4 80.6#



#53
 Ethylbenzene
 Concen: 4.408 ug/L
 RT: 11.73 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: VW014483.D
 Acq: 28 Dec 2019 00:24

Tgt Ion: 91 Resp: 367543
 Ion Ratio Lower Upper
 91 100
 106 29.9 21.8 40.6





#54

m,p-Xylene

Concen: 4.634 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

Instrument :

MSVOA_W

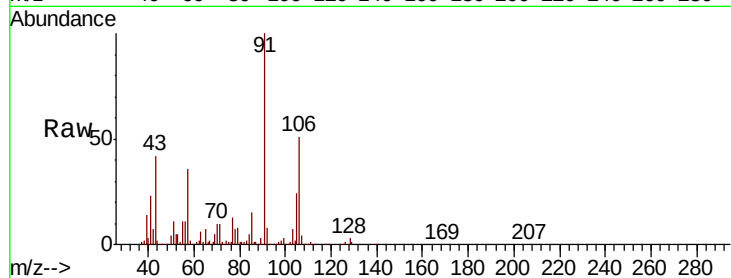
ClientSampled :

Tot Ion:106 Resp: 146245

Ion Ratio Lower Upper

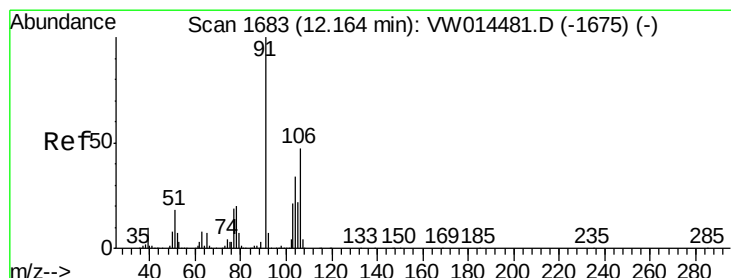
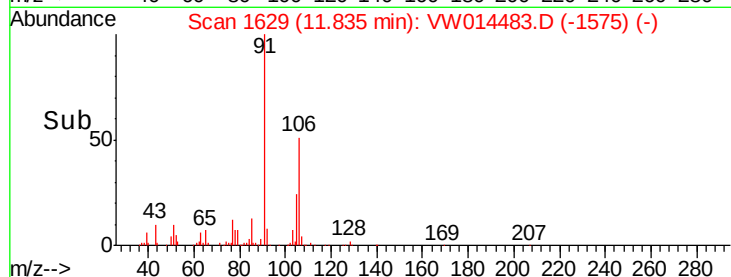
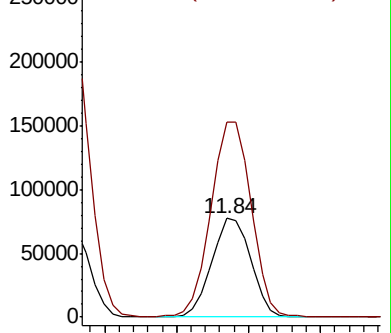
106 100

91 197.8 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.279 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014483.D

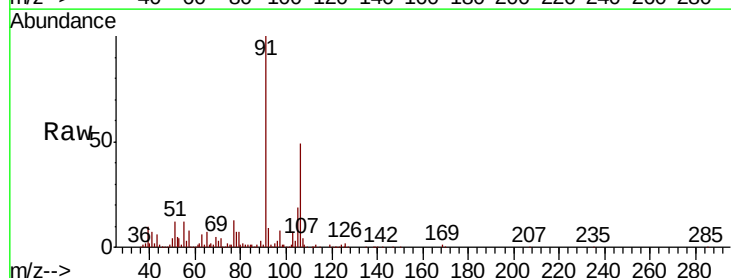
Acq: 28 Dec 2019 00:24

Tgt Ion:106 Resp: 67922

Ion Ratio Lower Upper

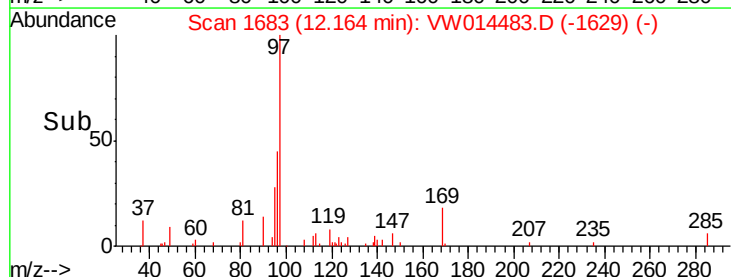
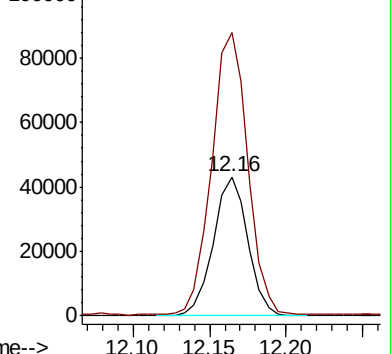
106 100

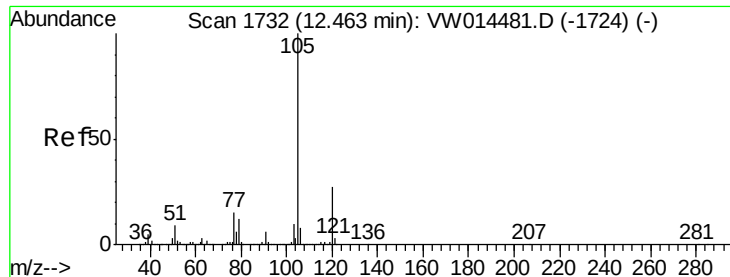
91 203.3 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 5.629 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014483.D

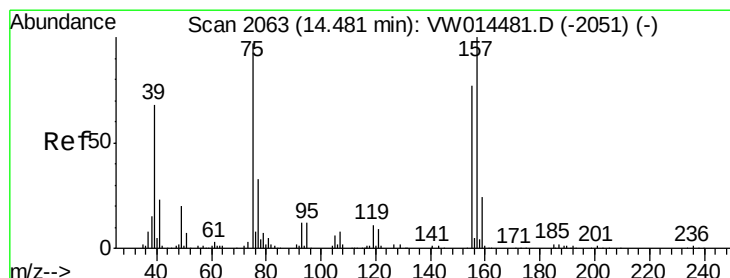
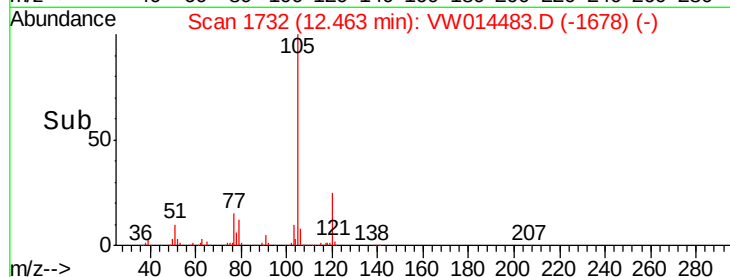
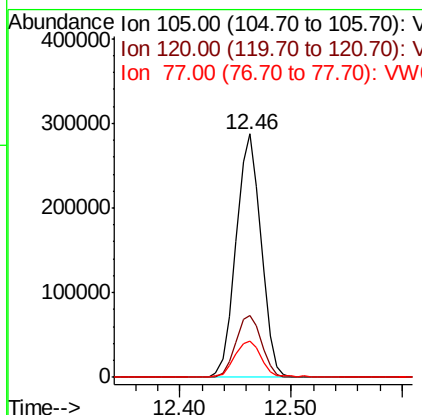
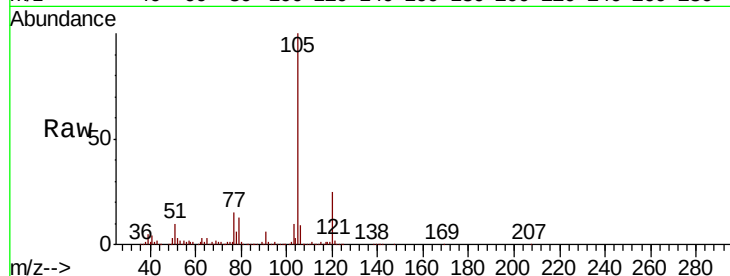
Acq: 28 Dec 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	446279
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.6
77	15.6	12.2	18.2



#66

1,2-Dibromo-3-chloropropane

Concen: 12.694 ug/L

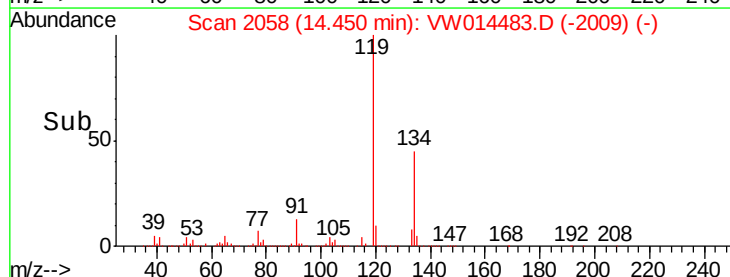
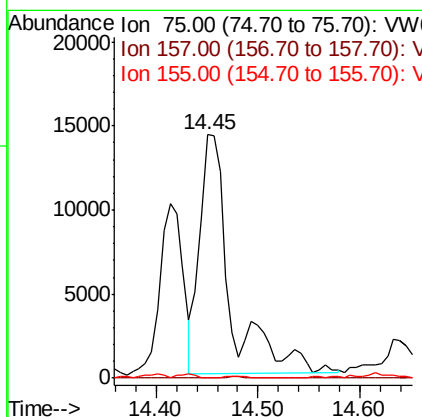
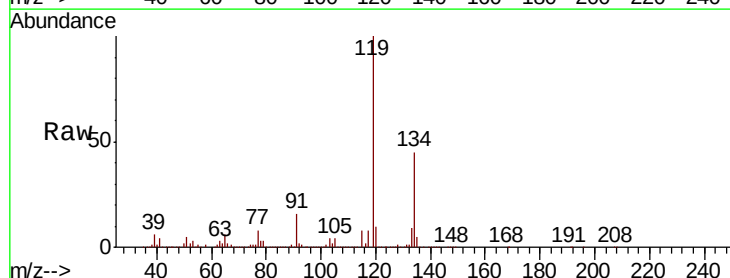
RT: 14.45 min Scan# 2058

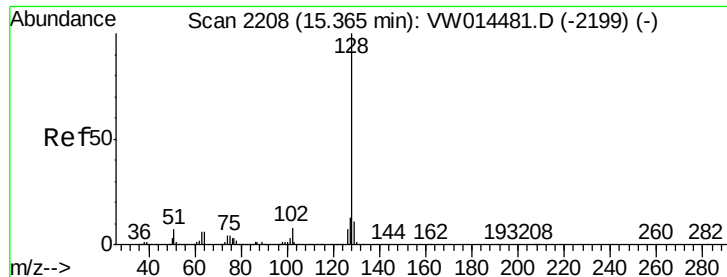
Delta R.T. -0.03 min

Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

Tgt Ion:	75	Resp:	29918
Ion	Ratio	Lower	Upper
75	100		
157	0.0	87.2	130.8#
155	0.0	67.8	101.8#





#69

Naphthalene

Concen: 38.688 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

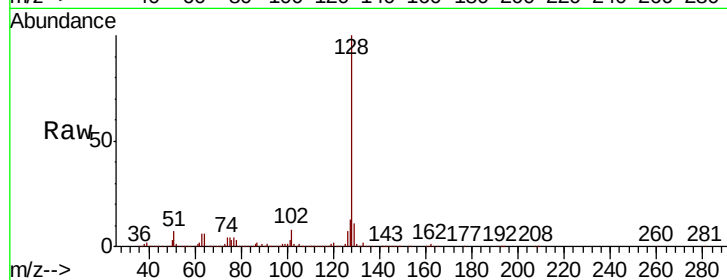
Lab File: VW014483.D

Acq: 28 Dec 2019 00:24

Instrument :

MSVOA_W

ClientSampleId :



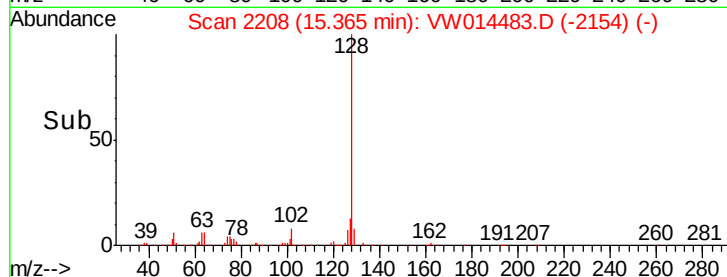
Tot Ion:128 Resp: 1316797

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.9	10.6	16.0

128 100

129 10.5 8.8 13.2

127 12.9 10.6 16.0



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

