

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011520\
 Data File : VW014650.D
 Acq On : 15 Jan 2020 13:24
 Operator : SY/VA
 Sample : L1109-11
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 16 01:21:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 16 01:18:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	718031	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	607803	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.85	152	150562	25.00	ug/L	0.30

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	228955	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.48%
7) Chloroethane-d5	2.89	69	178581	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	4.01	63	323489	17.47	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.88%
20) 2-Butanone-d5	7.07	46	137863	57.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.48%
24) Chloroform-d	7.65	84	416900	25.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.96%
26) 1,2-Dichloroethane-d4	8.31	65	214447	25.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.08%
29) Benzene-d6	8.27	84	887707	27.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.84%
33) 1,2-Dichloropropane-d6	9.27	67	280044	28.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.28%
37) Toluene-d8	10.32	98	785565	26.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.24%
38) trans-1,3-Dichloropropene-	10.58	79	101929	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.56%
39) 2-Hexanone-d5	10.92	63	102923	61.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	161251	22.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	197667	39.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	159.36%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	85451	25.624	ug/L	100
14) Carbon disulfide	4.38	76	8915	0.314	ug/L #	91
16) Methylene chloride	4.90	84	26729	2.283	ug/L	98
21) 2-Butanone	7.17	43	26403	7.379	ug/L	92
36) Methylcyclohexane	9.34	83	89265	5.390	ug/L	94
40) 1,2-Dichloropropane	9.35	63	6620	0.715	ug/L #	94
46) 1,1,2-Trichloroethane	10.76	97	41835	6.380	ug/L #	22
49) 2-Hexanone	10.96	43	37705	9.291	ug/L #	78
52) Chlorobenzene	11.66	112	30281	1.253	ug/L #	88
53) Ethylbenzene	11.73	91	17411359	414.293	ug/L #	77
54) m,p-Xylene	11.73	106	6873187	432.171	ug/L	97
56) Styrene	12.18	104	9449774	373.744	ug/L	81
57) Isopropylbenzene	12.46	105	1128285	28.236	ug/L	99
59) 1,2,3-Trichloropropane	12.74	75	5635	0.945	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	14.49	75	1309690	2069.706	ug/L #	1
69) Naphthalene	15.24	128	12041	1.318	ug/L #	1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 16 01:18:54 2020
Response via : Initial Calibration

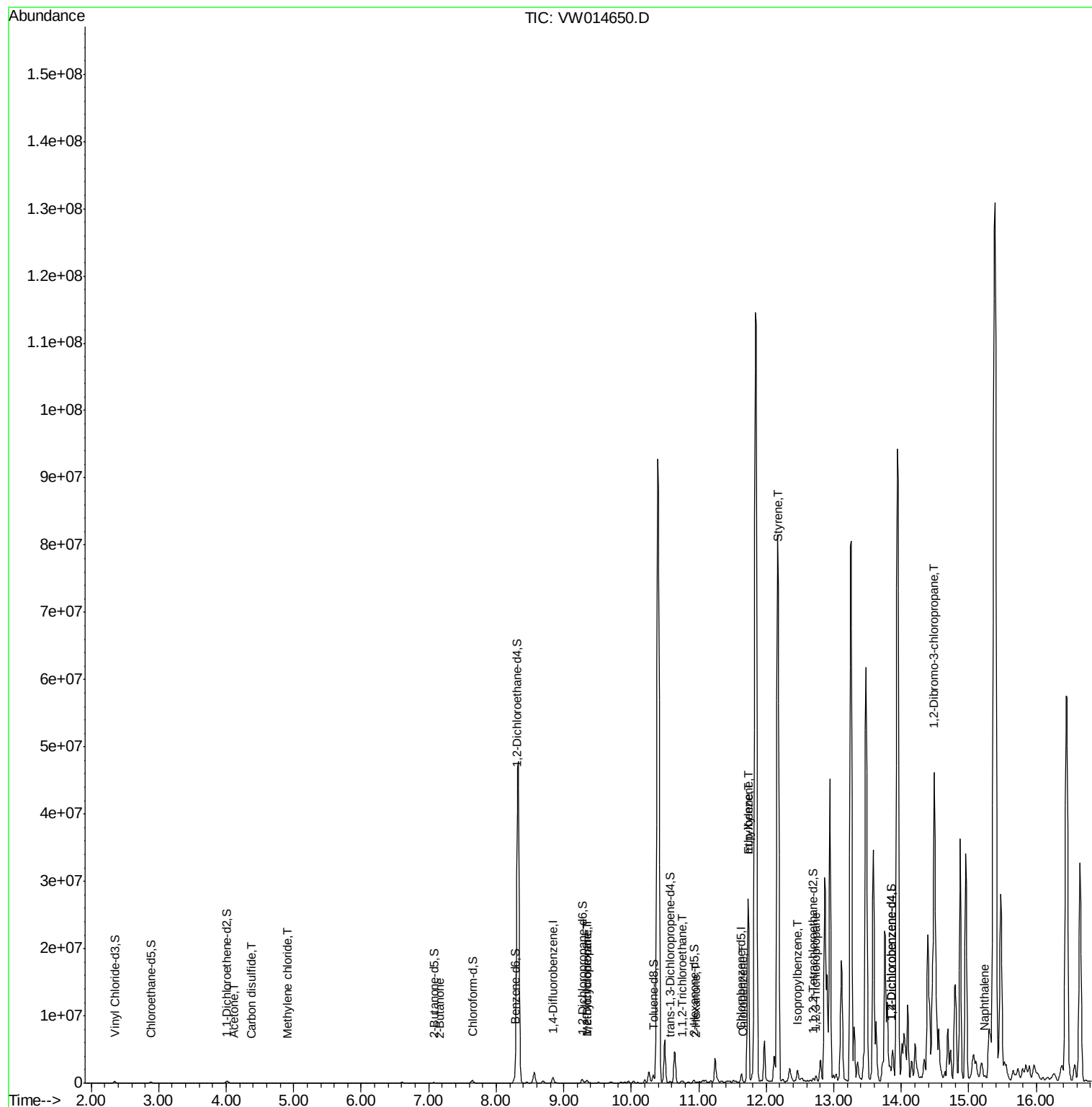
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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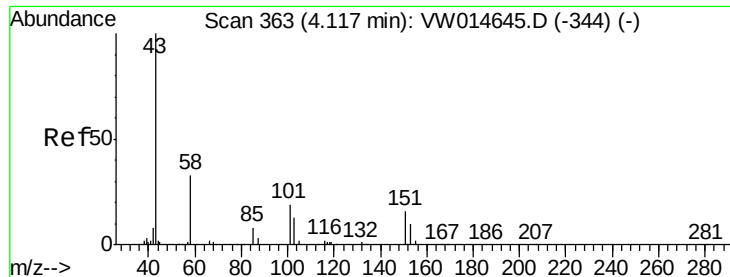
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011520\
Data File : VW014650.D
Acq On : 15 Jan 2020 13:24
Operator : SY/VA
Sample : L1109-11
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#13

Acetone

Concen: 25.624 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014650.D

Acq: 15 Jan 2020 13:24

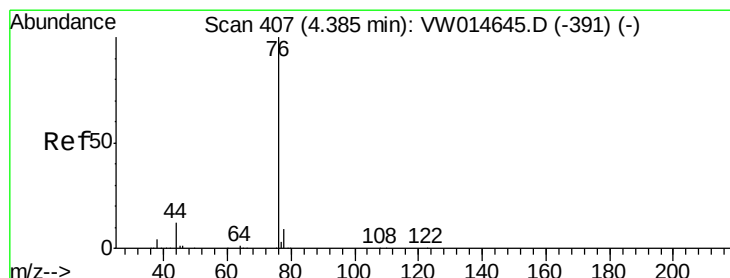
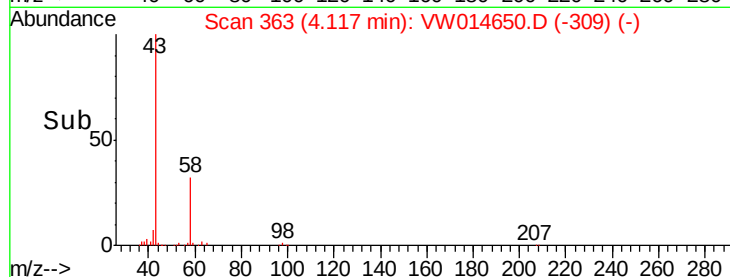
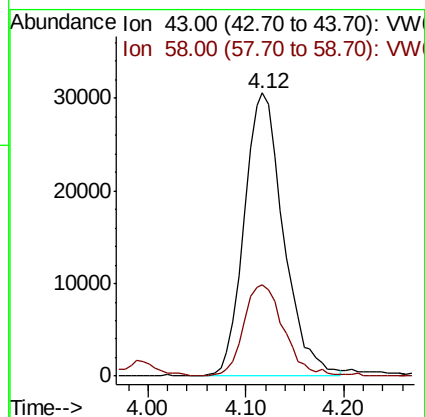
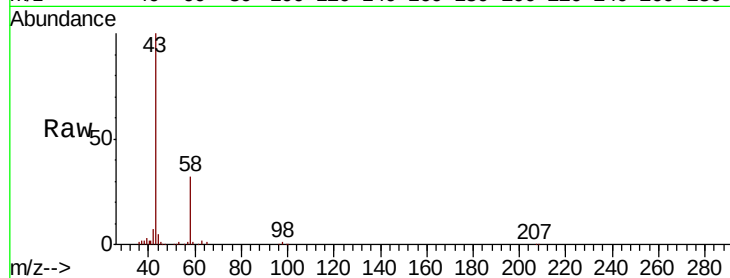
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 85451

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.0



#14

Carbon disulfide

Concen: 0.314 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014650.D

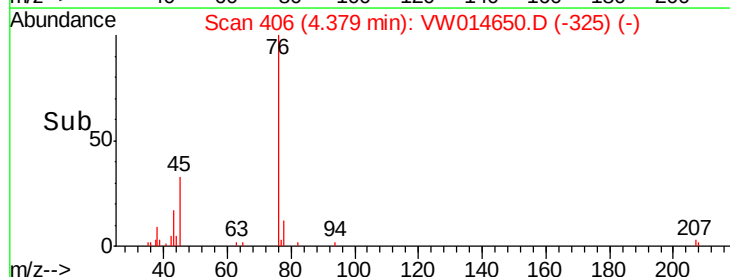
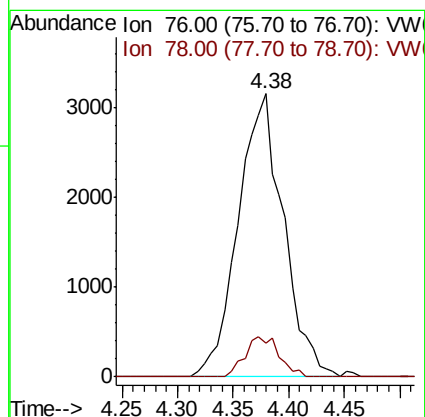
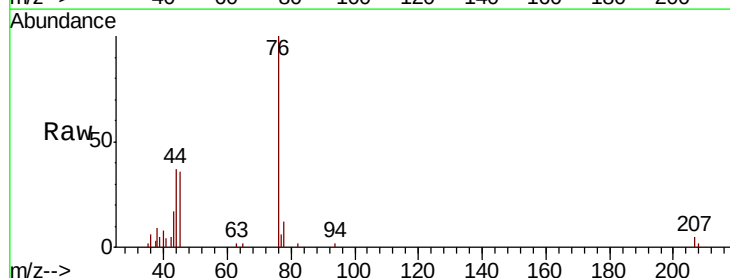
Acq: 15 Jan 2020 13:24

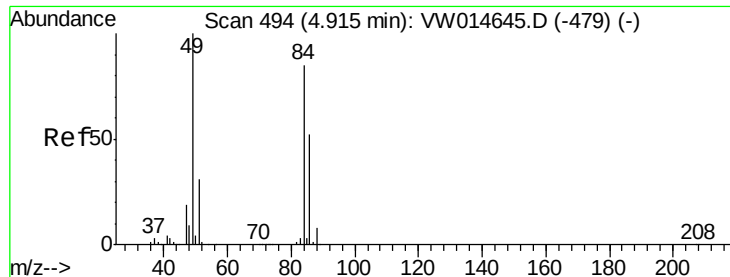
Tgt Ion: 76 Resp: 8915

Ion Ratio Lower Upper

76 100

78 11.8 6.9 10.3#

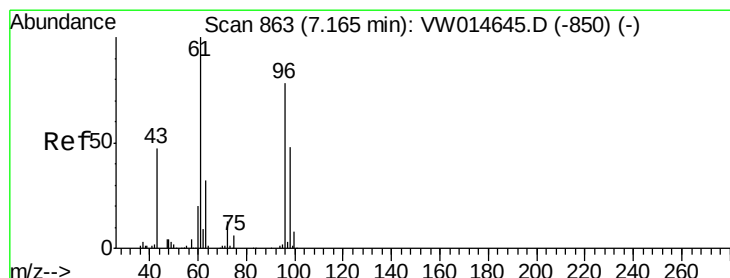
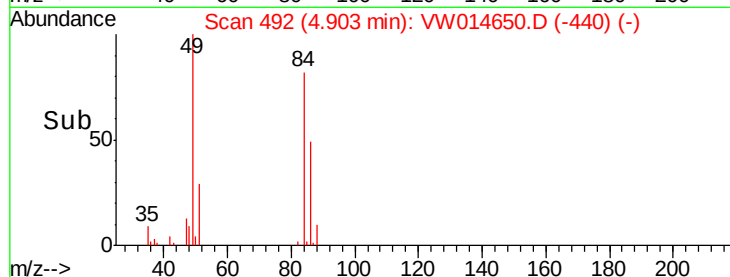
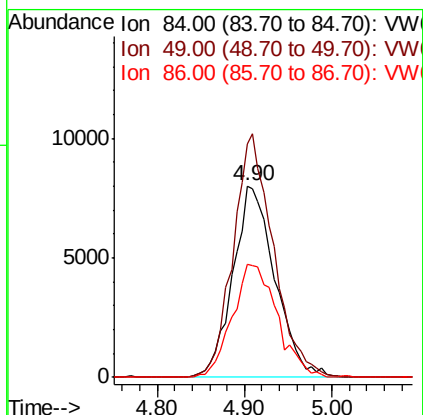
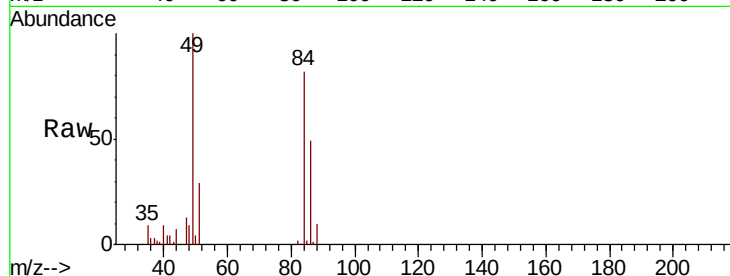




#16
Methylene chloride
Concen: 2.283 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

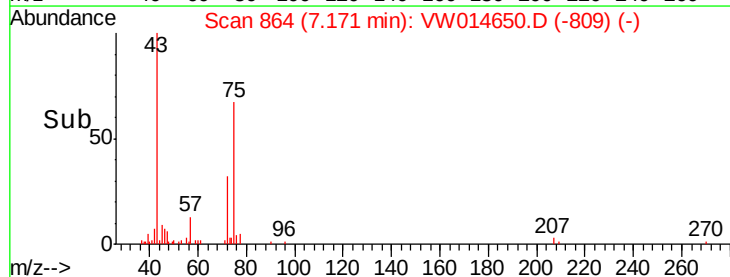
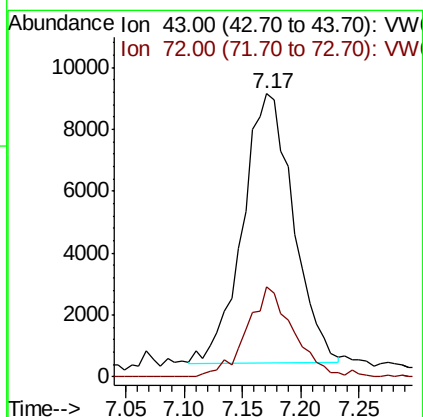
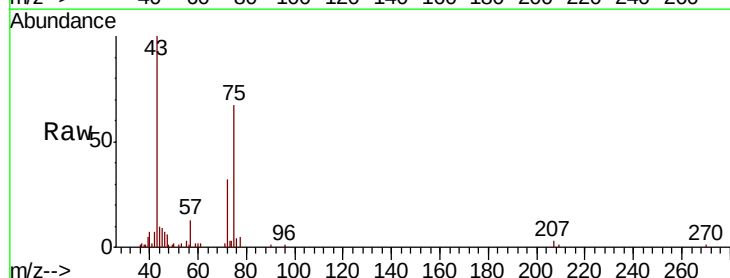
Instrument :
MSVOA_W
ClientSampleId :

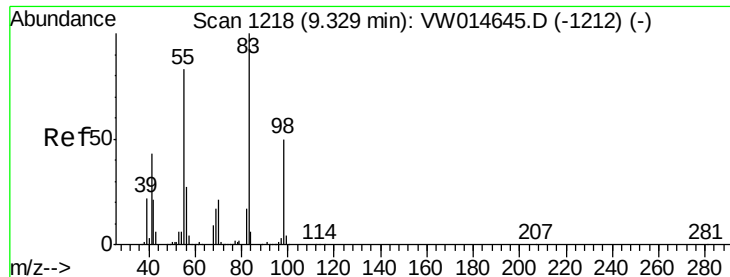
Tot Ion: 84 Resp: 26729
Ion Ratio Lower Upper
84 100
49 121.8 85.8 159.4
86 59.4 44.5 82.7



#21
2-Butanone
Concen: 7.379 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 43 Resp: 26403
Ion Ratio Lower Upper
43 100
72 30.4 13.3 39.8

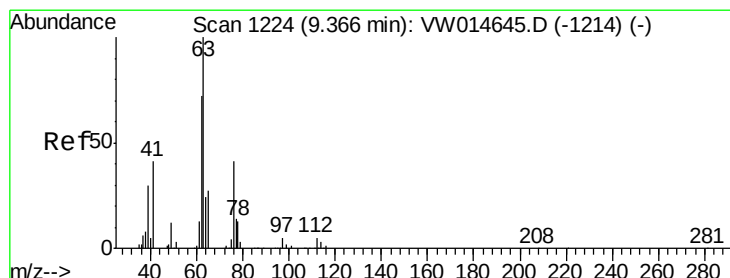
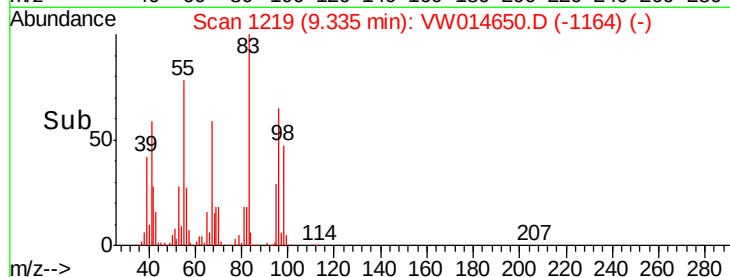
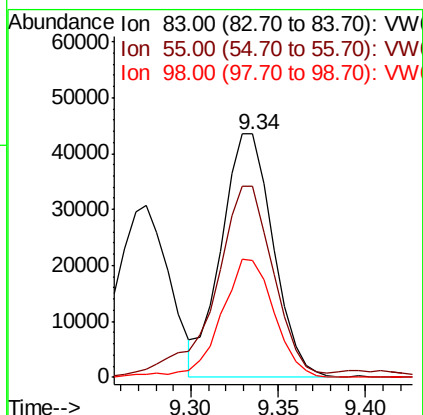
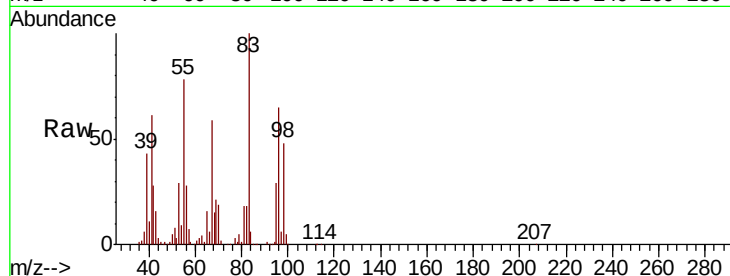




#36
Methvlcvclohexane
Concen: 5.390 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

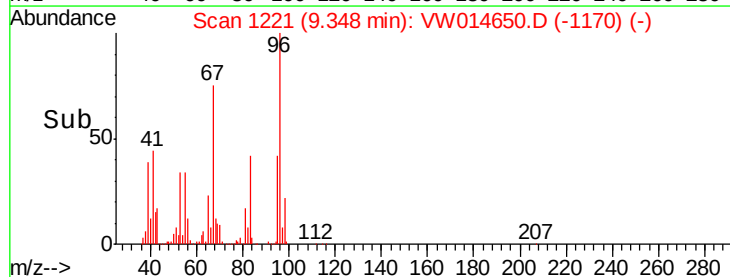
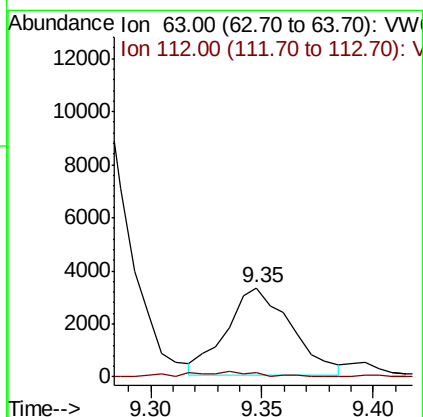
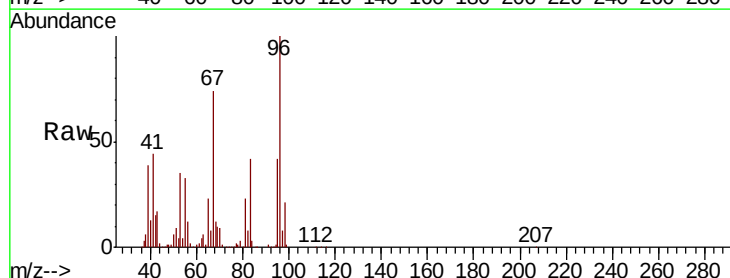
Instrument :
MSVOA_W
ClientSampleId :

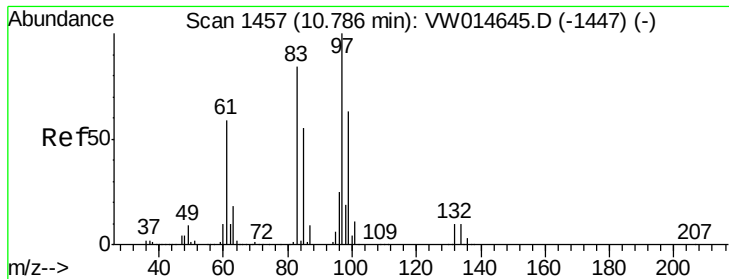
Tot Ion: 83 Resp: 89265
Ion Ratio Lower Upper
83 100
55 87.5 63.7 95.5
98 49.2 39.4 59.2



#40
1,2-Dichloropropane
Concen: 0.715 ug/L
RT: 9.35 min Scan# 1221
Delta R.T. -0.02 min
Lab File: VW014650.D
Acq: 15 Jan 2020 13:24

Tgt Ion: 63 Resp: 6620
Ion Ratio Lower Upper
63 100
112 2.7 3.7 5.5#

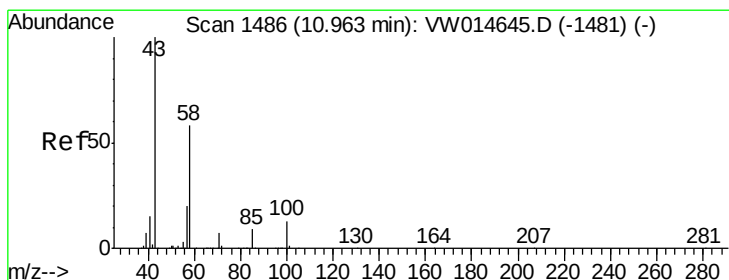
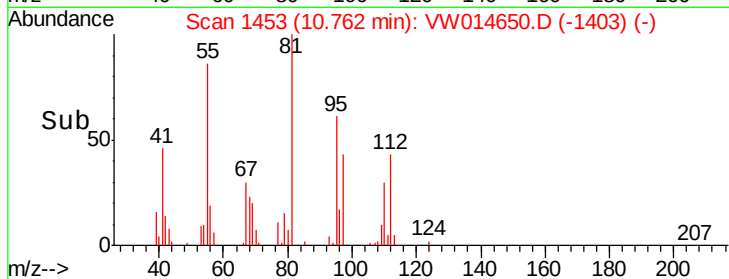
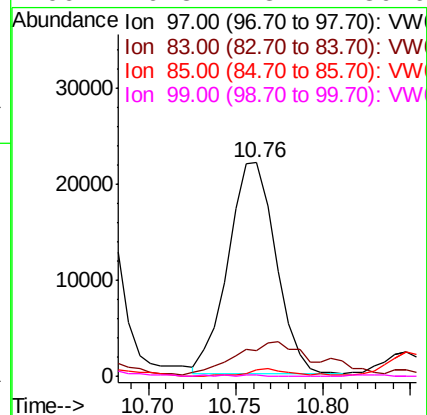
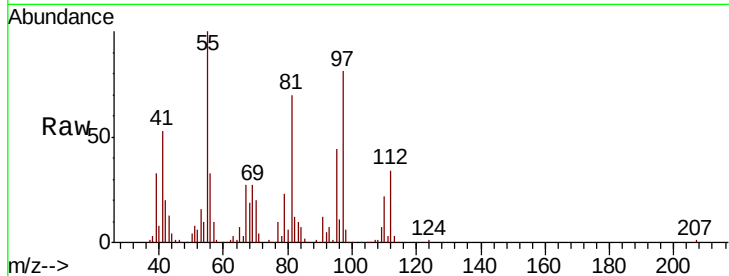




#46
 1,1,2-Trichloroethane
 Concen: 6.380 ug/L
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW014650.D
 Acq: 15 Jan 2020 13:24

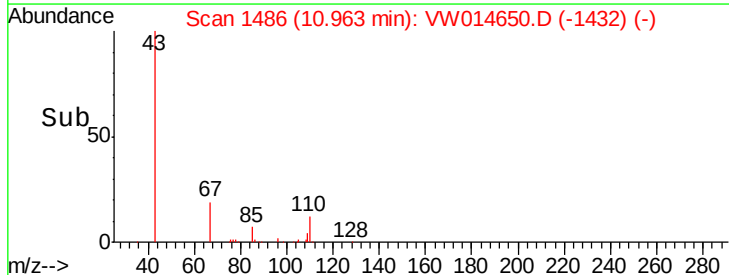
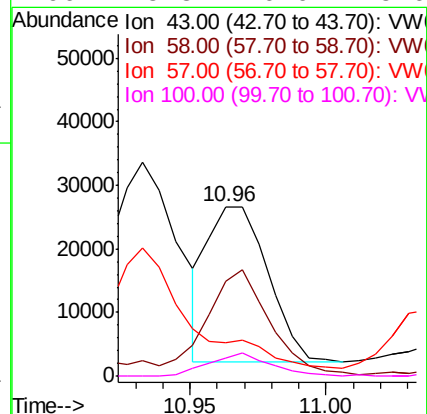
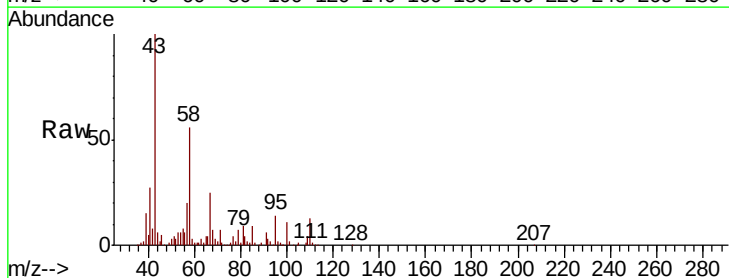
Instrument :
 MSVOA_W
 ClientSampled :

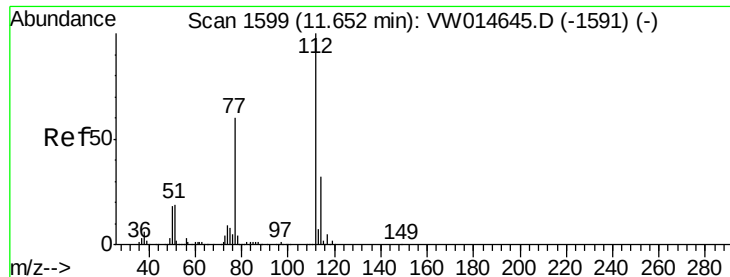
Tot Ion	97	Resp	41835
Ion	Ratio	Lower	Upper
97	100		
83	11.9	60.1	111.5#
85	2.9	38.1	70.9#
99	0.3	43.4	80.6#



#49
 2-Hexanone
 Concen: 9.291 ug/L
 RT: 10.96 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VW014650.D
 Acq: 15 Jan 2020 13:24

Tgt Ion	43	Resp	37705
Ion	Ratio	Lower	Upper
43	100		
58	69.4	44.9	67.3#
57	0.0	15.3	22.9#
100	15.3	10.0	15.0#





#52

Chlorobenzene

Concen: 1.253 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW014650.D

Acq: 15 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampled :

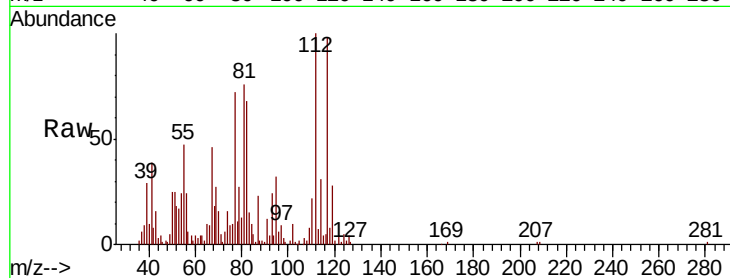
Tot Ion:112 Resp: 30281

Ion Ratio Lower Upper

112 100

77 72.4 48.2 72.2#

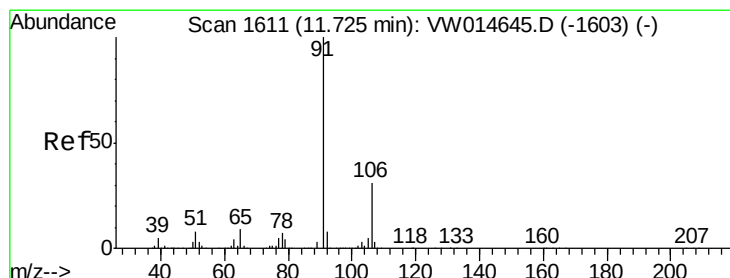
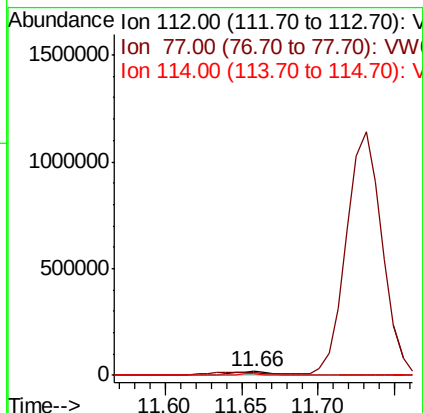
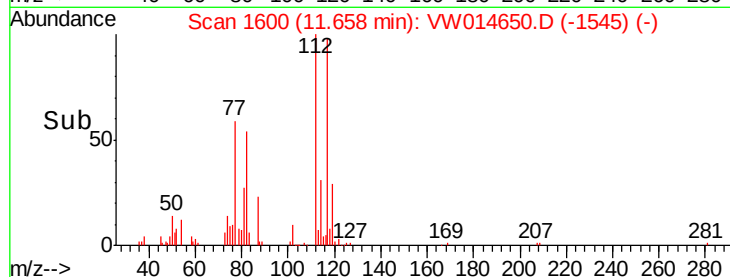
114 30.9 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 414.293 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014650.D

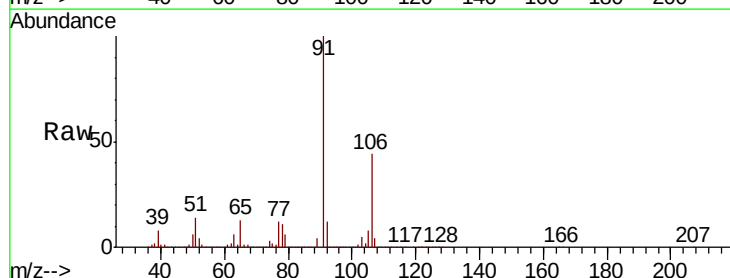
Acq: 15 Jan 2020 13:24

Tgt Ion: 91 Resp:17411359

Ion Ratio Lower Upper

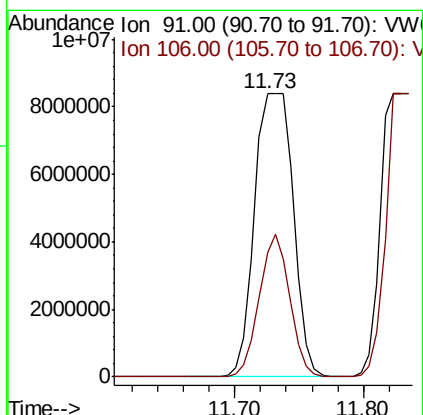
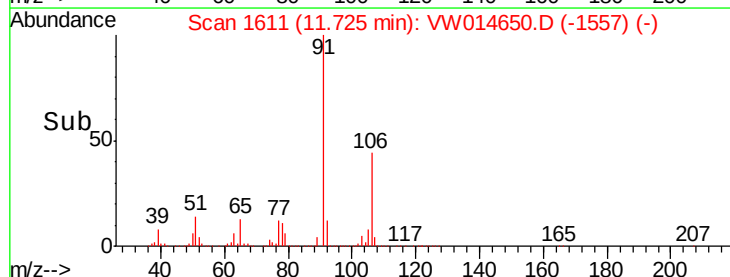
91 100

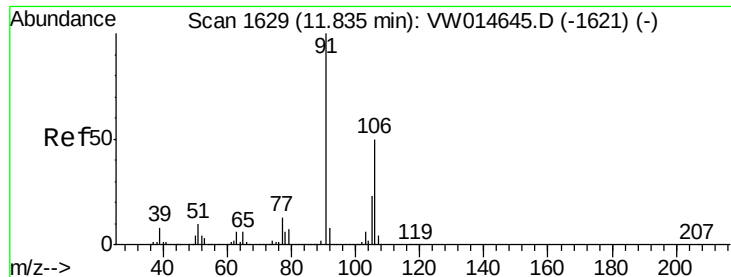
106 44.1 21.8 40.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m.p-Xylene

Concen: 432.171 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.10 min

Lab File: VW014650.D

Acq: 15 Jan 2020 13:24

Instrument :

MSVOA_W

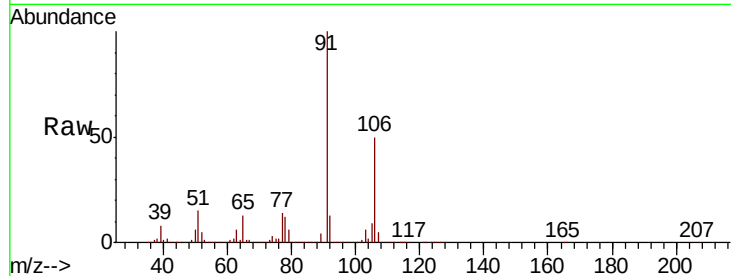
ClientSampleId :

Tot Ion:106 Resp: 6873187

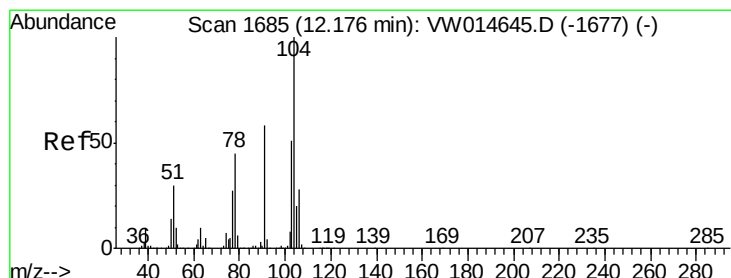
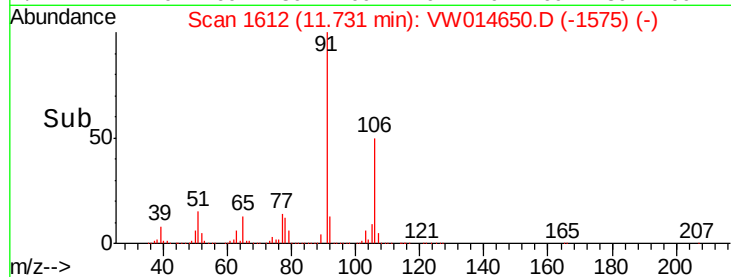
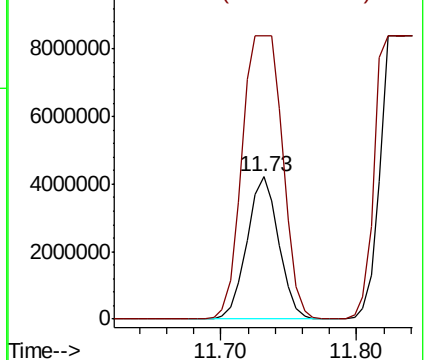
Ion Ratio Lower Upper

106 100

91 199.0 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 373.744 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014650.D

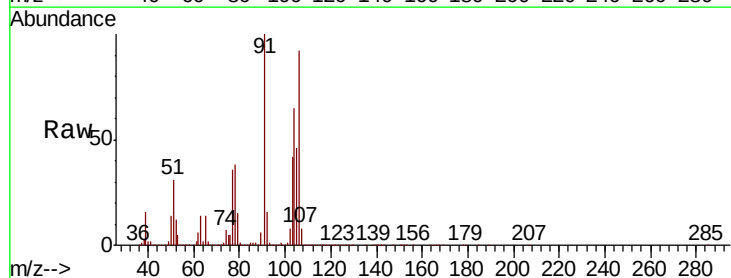
Acq: 15 Jan 2020 13:24

Tgt Ion:104 Resp: 9449774

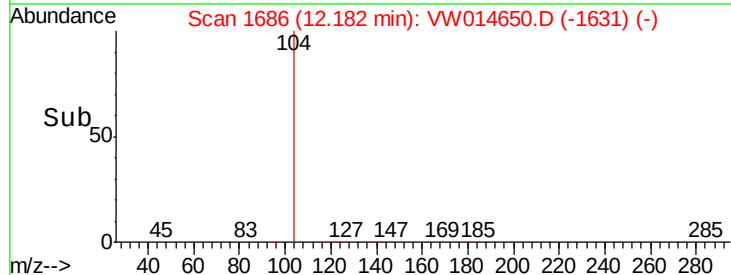
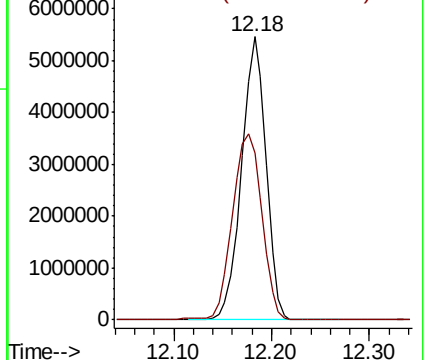
Ion Ratio Lower Upper

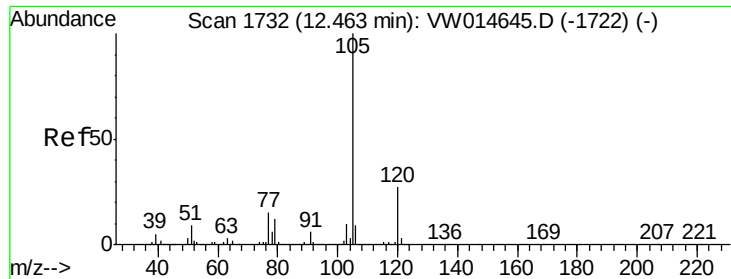
104 100

78 59.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.236 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014650.D

Acq: 15 Jan 2020 13:24

Instrument :

MSVOA_W

ClientSampled :

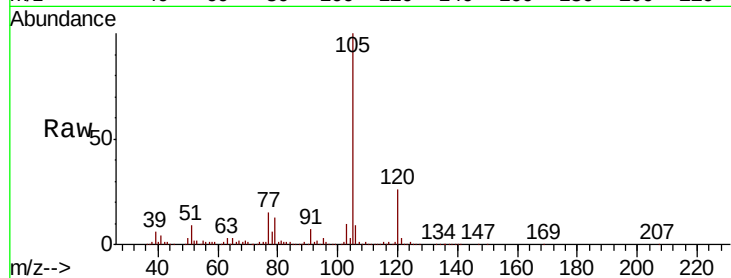
Tot Ion:105 Resp: 1128285

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

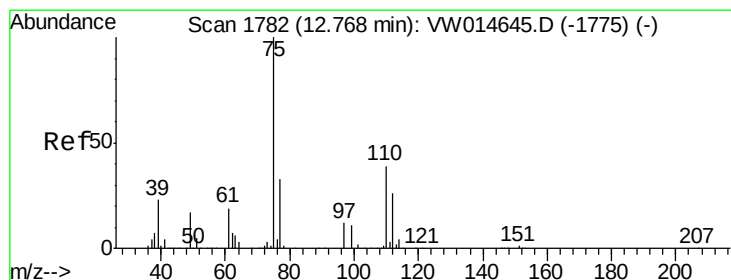
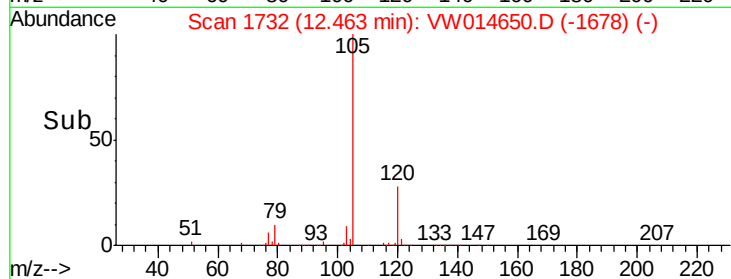
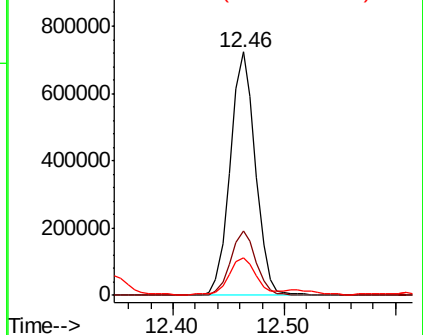
77 16.0 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 0.945 ug/L

RT: 12.74 min Scan# 1777

Delta R.T. -0.03 min

Lab File: VW014650.D

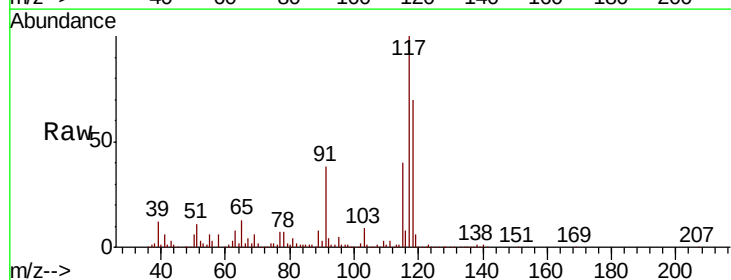
Acq: 15 Jan 2020 13:24

Tgt Ion: 75 Resp: 5635

Ion Ratio Lower Upper

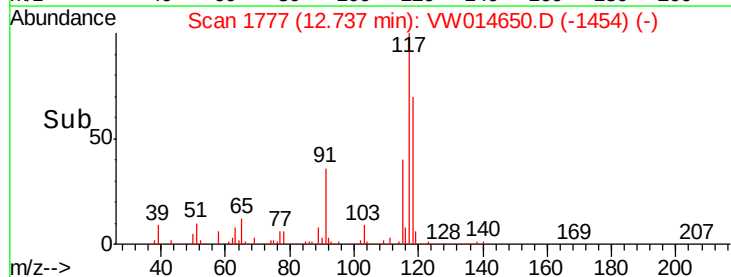
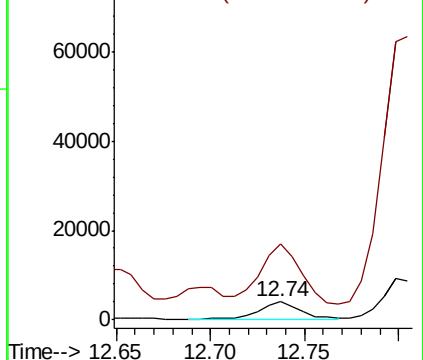
75 100

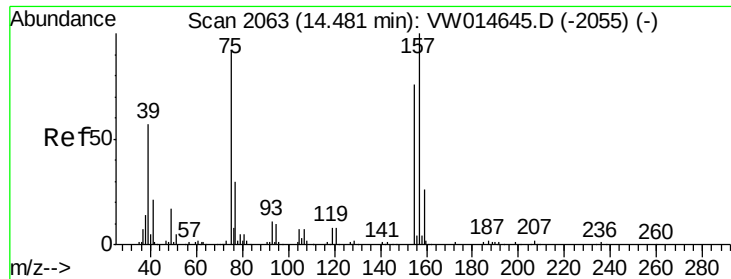
77 349.1 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

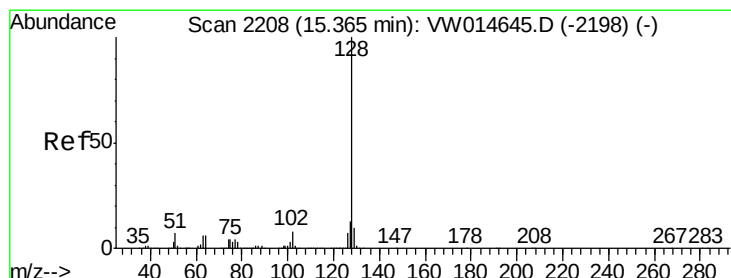
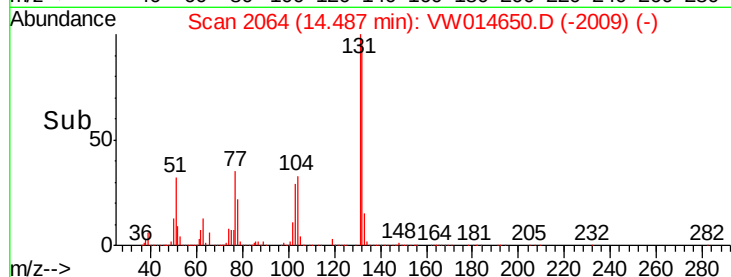
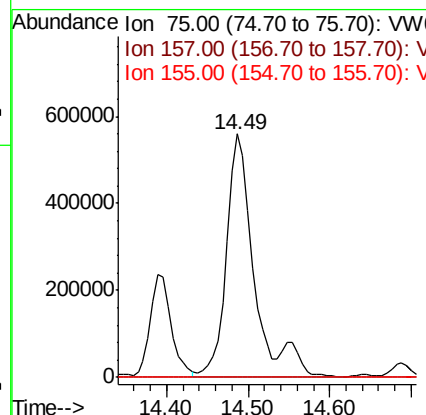
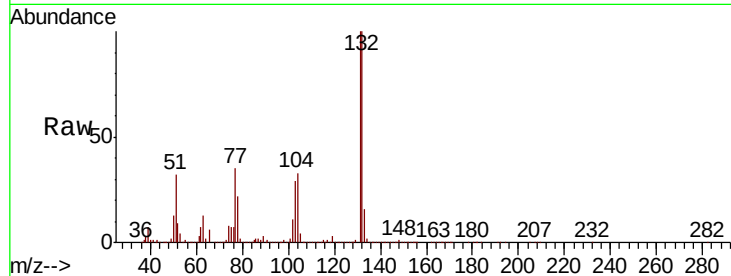




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2069.706 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014650.D
 Acq: 15 Jan 2020 13:24

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 1309690
 Ion Ratio Lower Upper
 75 100
 157 0.0 87.2 130.8#
 155 0.1 67.8 101.8#



#69
 Naphthalene
 Concen: 1.318 ug/L
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.13 min
 Lab File: VW014650.D
 Acq: 15 Jan 2020 13:24

Tgt Ion: 128 Resp: 12041
 Ion Ratio Lower Upper
 128 100
 129 692.4 8.8 13.2#
 127 0.0 10.6 16.0#

