

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073020\
 Data File : VW016010.D
 Acq On : 30 Jul 2020 14:45
 Operator : SY/VA
 Sample : L3492-16
 Misc : 3.50G/10ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 31 06:37:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 06:34:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	25680	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	23299	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	6218	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	9679	26.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.84%
7) Chloroethane-d5	2.89	69	8953	30.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.68%
10) 1,1-Dichloroethene-d2	4.03	63	13784	18.82	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.28%
20) 2-Butanone-d5	7.09	46	6834	71.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.60%#
24) Chloroform-d	7.65	84	19183	26.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	8.31	65	11538	29.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	116.56%
29) Benzene-d6	8.28	84	36231	25.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.20%
33) 1,2-Dichloropropane-d6	9.28	67	12111	28.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.96%
37) Toluene-d8	10.33	98	27257	21.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.88%
38) trans-1,3-Dichloropropene-	10.58	79	4004	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.36%
39) 2-Hexanone-d5	10.93	63	3092	43.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	10342	31.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.60%#
61) 1,2-Dichlorobenzene-d4	13.86	152	6635	27.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.48%

Target Compounds

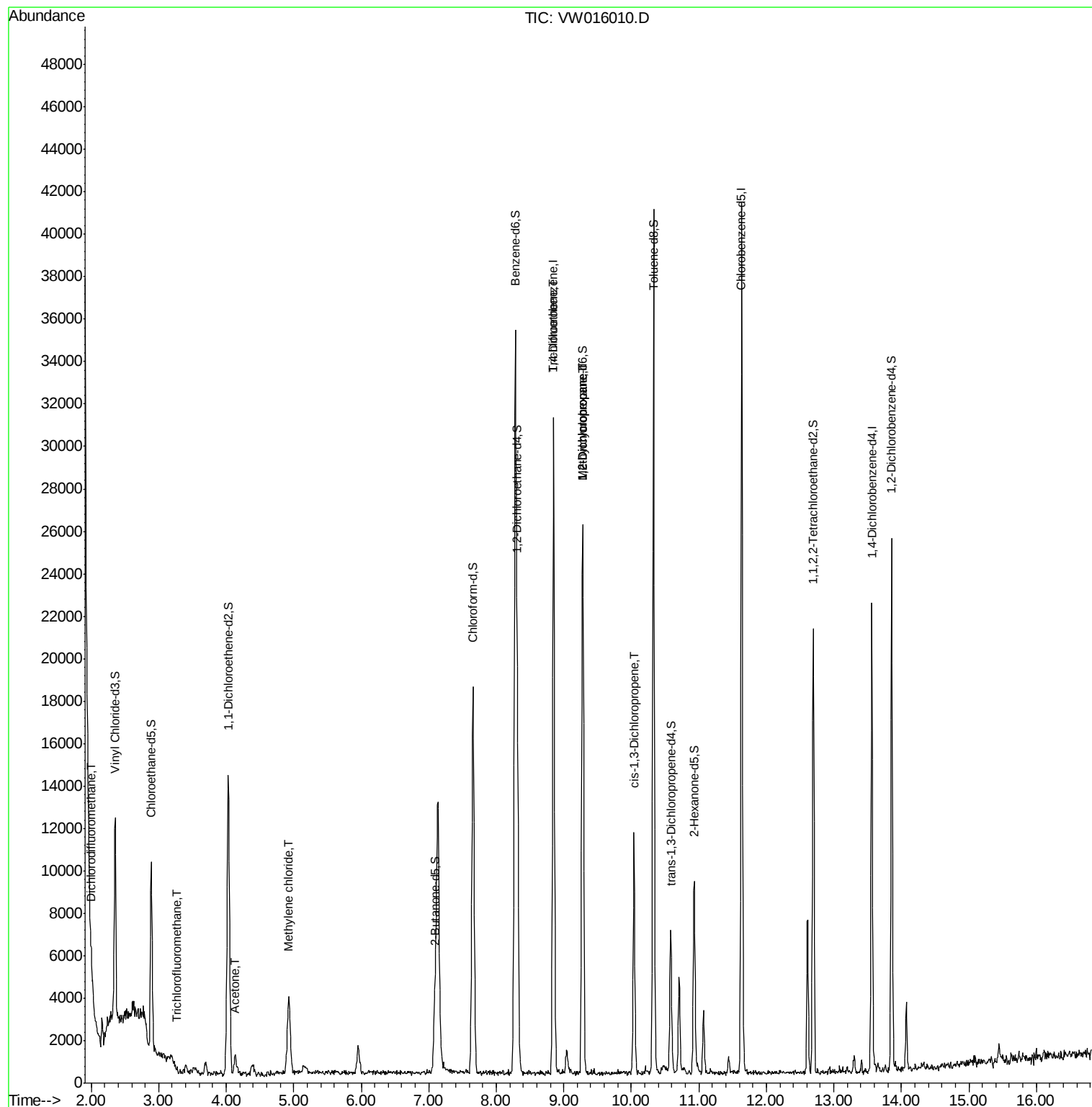
					Ovalue
2) Dichlorodifluoromethane	2.00	85	59	0.272 ug/L #	45
9) Trichlorofluoromethane	3.28	101	136	0.499 ug/L #	17
13) Acetone	4.13	43	1640	20.517 ug/L	53
16) Methylene chloride	4.93	84	2888	6.863 ug/L	96
35) Trichloroethene	8.85	95	730	1.950 ug/L #	6
36) Methylcyclohexane	9.28	83	3076	4.789 ug/L #	17
40) 1,2-Dichloropropane	9.28	63	1303	3.717 ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	199	0.373 ug/L #	38

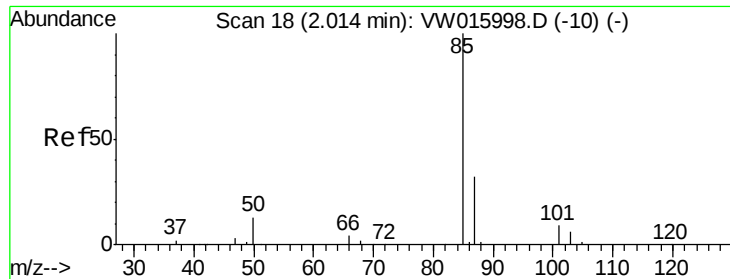
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jul 31 06:34:21 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.272 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW016010.D

Acq: 30 Jul 2020 14:45

Instrument :

MSVOA_W

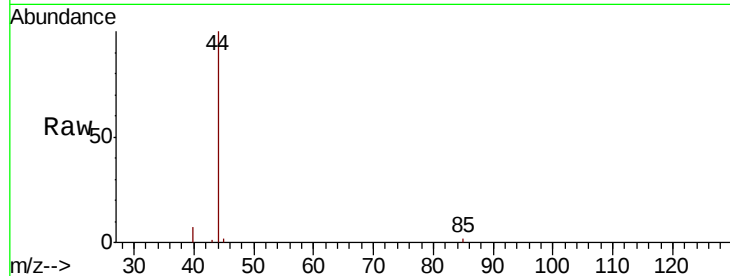
ClientSampled :

Tot Ion: 85 Resp: 59

Ion Ratio Lower Upper

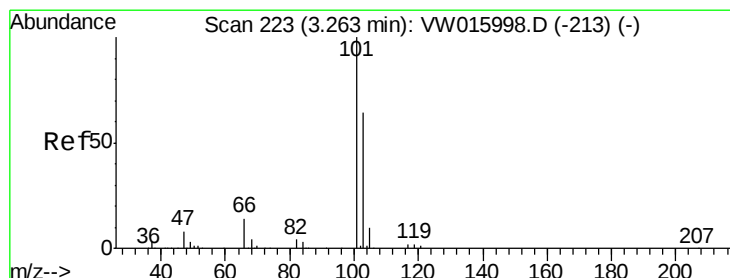
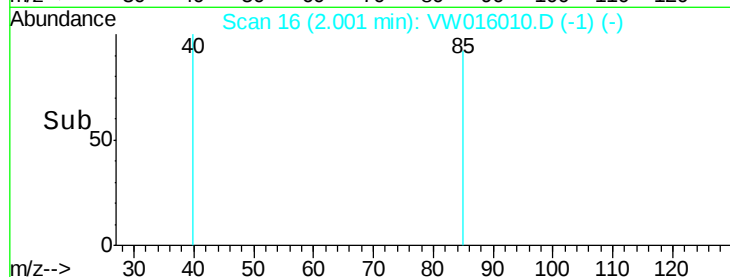
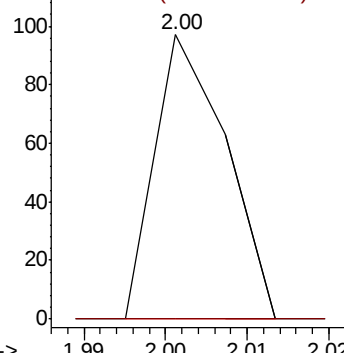
85 100

87 0.0 21.0 39.0#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#9

Trichlorofluoromethane

Concen: 0.499 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016010.D

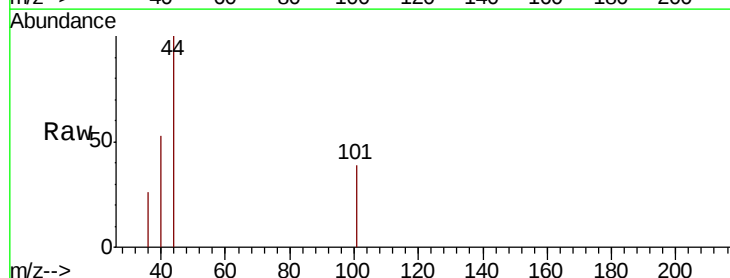
Acq: 30 Jul 2020 14:45

Tgt Ion: 101 Resp: 136

Ion Ratio Lower Upper

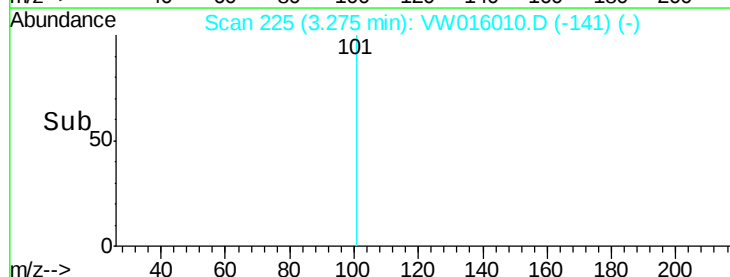
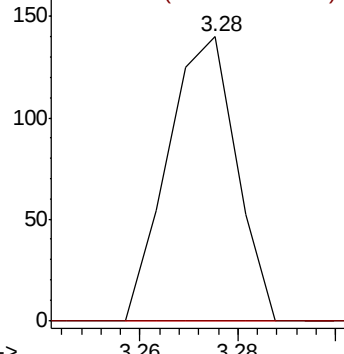
101 100

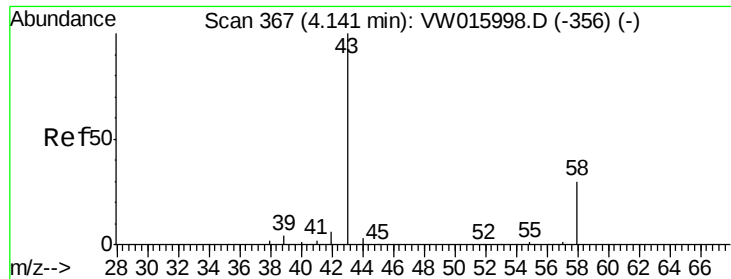
103 0.0 45.8 85.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#13

Acetone

Concen: 20.517 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016010.D

Acq: 30 Jul 2020 14:45

Instrument :

MSVOA_W

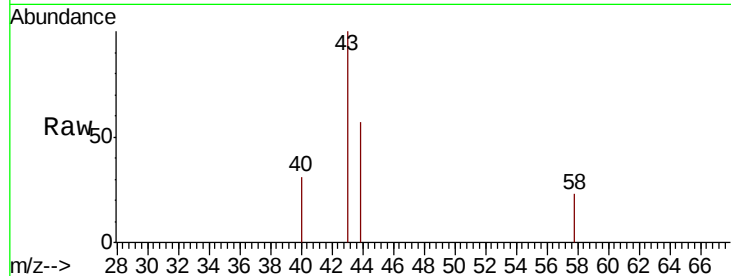
ClientSampleId :

Tot Ion: 43 Resp: 1640

Ion Ratio Lower Upper

43 100

58 4.1 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

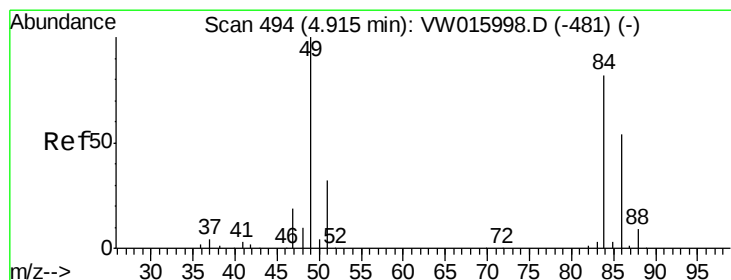
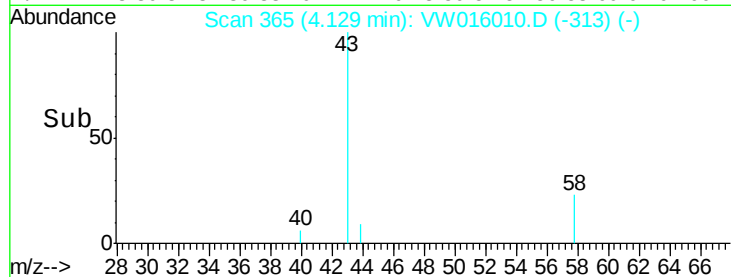
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 6.863 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.02 min

Lab File: VW016010.D

Acq: 30 Jul 2020 14:45

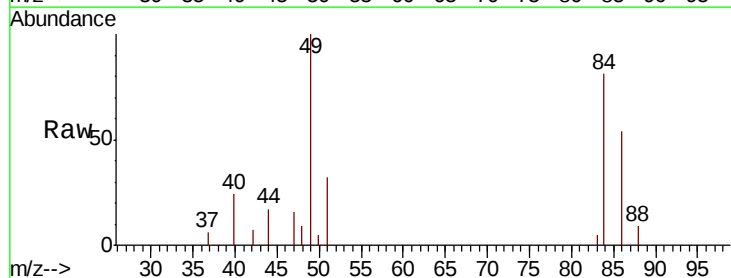
Tgt Ion: 84 Resp: 2888

Ion Ratio Lower Upper

84 100

49 123.2 91.1 169.1

86 66.9 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

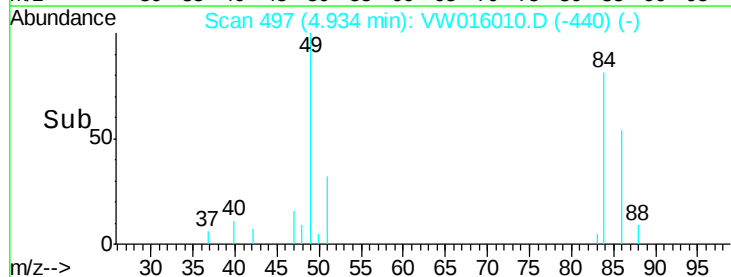
1500

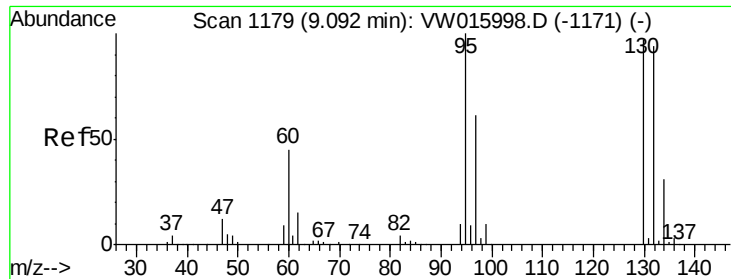
1000

500

0

Time-->

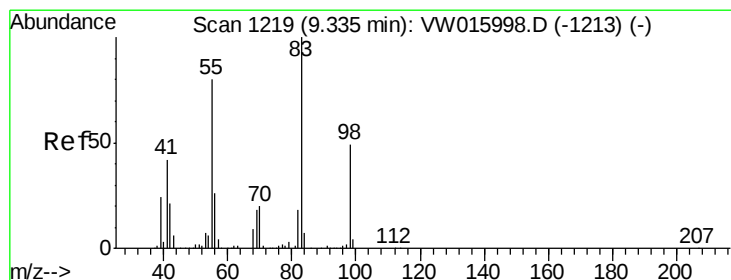
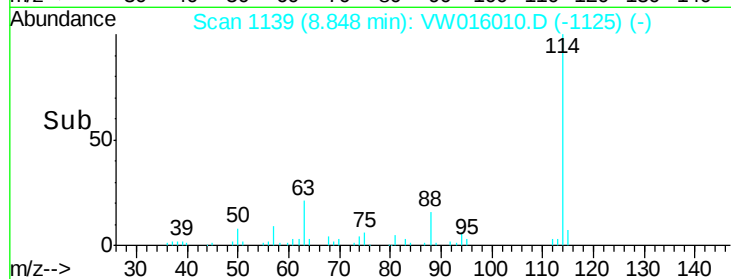
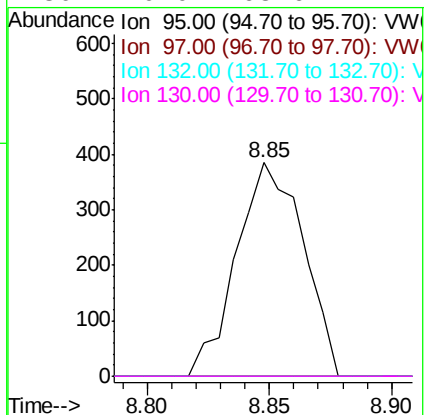
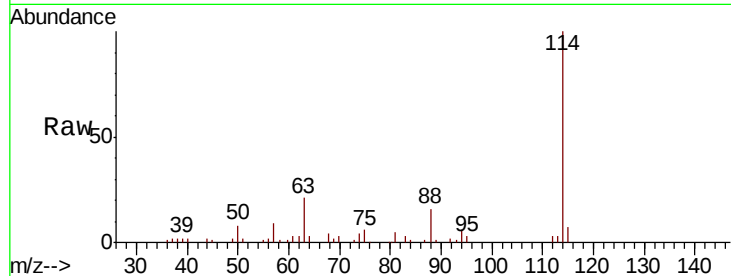




#35
 Trichloroethene
 Concen: 1.950 ug/L
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.24 min
 Lab File: VW016010.D
 Acq: 30 Jul 2020 14:45

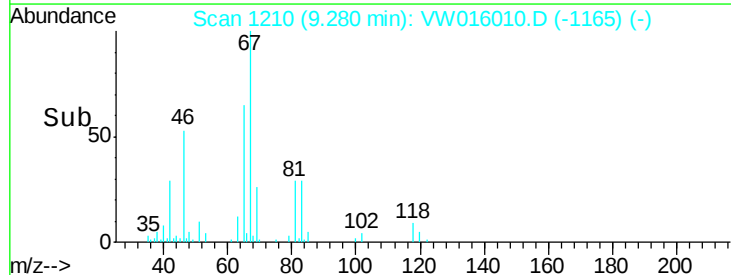
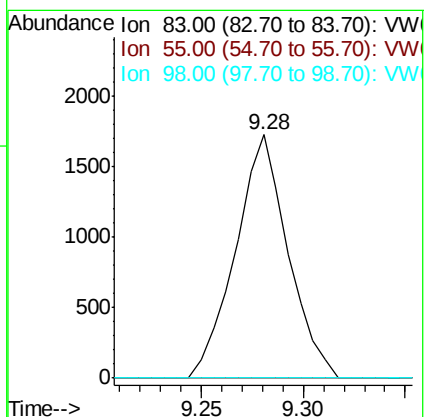
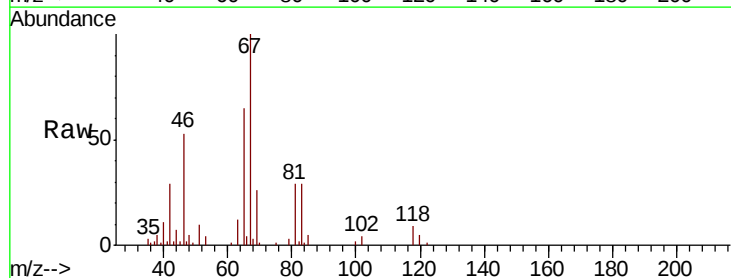
Instrument :
 MSVOA_W
 ClientSampleId :

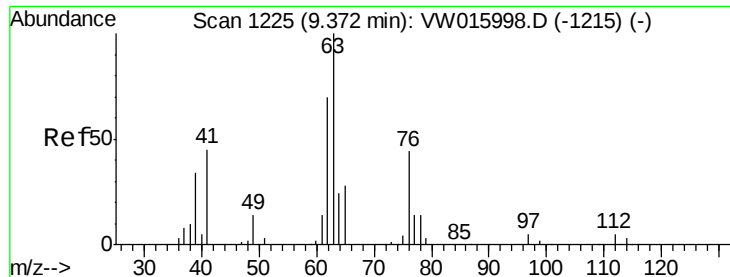
Tot Ion: 95 Resp: 730
 Ion Ratio Lower Upper
 95 100
 97 0.0 44.4 82.4#
 132 0.0 65.1 120.9#
 130 0.0 68.6 127.4#



#36
 Methylcyclohexane
 Concen: 4.789 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.05 min
 Lab File: VW016010.D
 Acq: 30 Jul 2020 14:45

Tgt Ion: 83 Resp: 3076
 Ion Ratio Lower Upper
 83 100
 55 0.0 63.5 95.3#
 98 0.0 39.0 58.4#

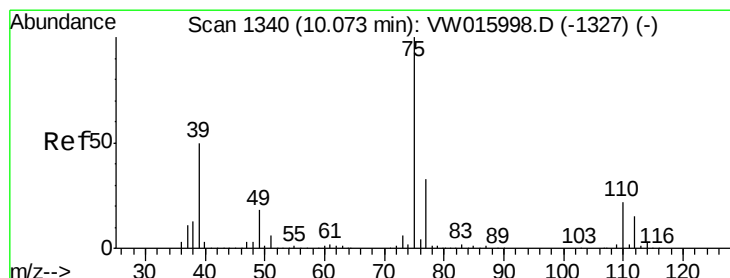
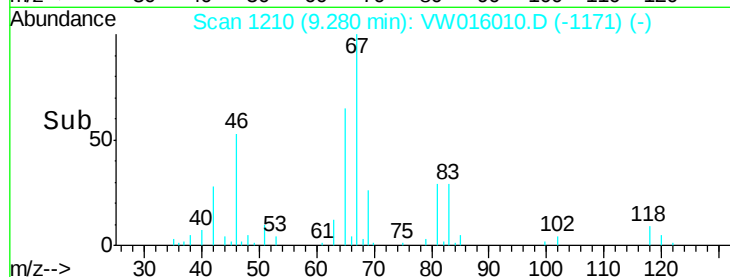
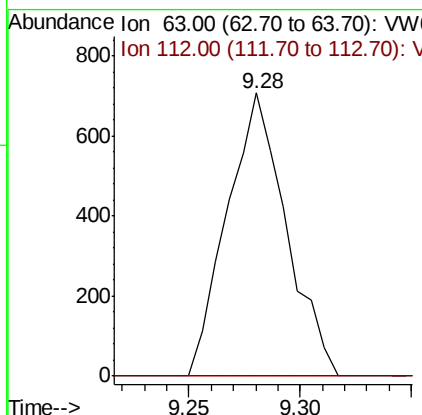
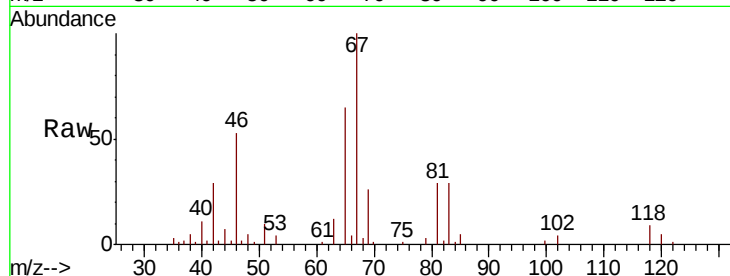




#40
 1,2-Dichloropropane
 Concen: 3.717 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016010.D
 Acq: 30 Jul 2020 14:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 63 Resp: 1303
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#42
 cis-1,3-Dichloropropene
 Concen: 0.373 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016010.D
 Acq: 30 Jul 2020 14:45

Tgt Ion: 75 Resp: 199
 Ion Ratio Lower Upper
 75 100
 77 66.2 22.2 41.2#

