

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
 Data File : VW016827.D
 Acq On : 07 Oct 2020 11:44
 Operator : SY/VA
 Sample : L4235-16RE
 Misc : 4.05G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AQ2RE

Quant Time: Oct 08 08:39:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 08:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	468340	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	339153	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	107607	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	141934	30.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.88%
7) Chloroethane-d5	2.90	69	119474	30.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.32%
10) 1,1-Dichloroethene-d2	4.03	63	195285	19.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.60%
20) 2-Butanone-d5	7.08	46	51384	49.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.20%
24) Chloroform-d	7.65	84	261794	26.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.96%
26) 1,2-Dichloroethane-d4	8.31	65	134920	28.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.08%
29) Benzene-d6	8.28	84	525546	34.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	136.48%#
33) 1,2-Dichloropropane-d6	9.28	67	143438	34.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	138.60%#
37) Toluene-d8	10.33	98	444905	30.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	122.44%
38) trans-1,3-Dichloropropene-	10.58	79	51417	28.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.64%
39) 2-Hexanone-d5	10.93	63	40704	63.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	91374	27.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	90963	26.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.60%

Target Compounds

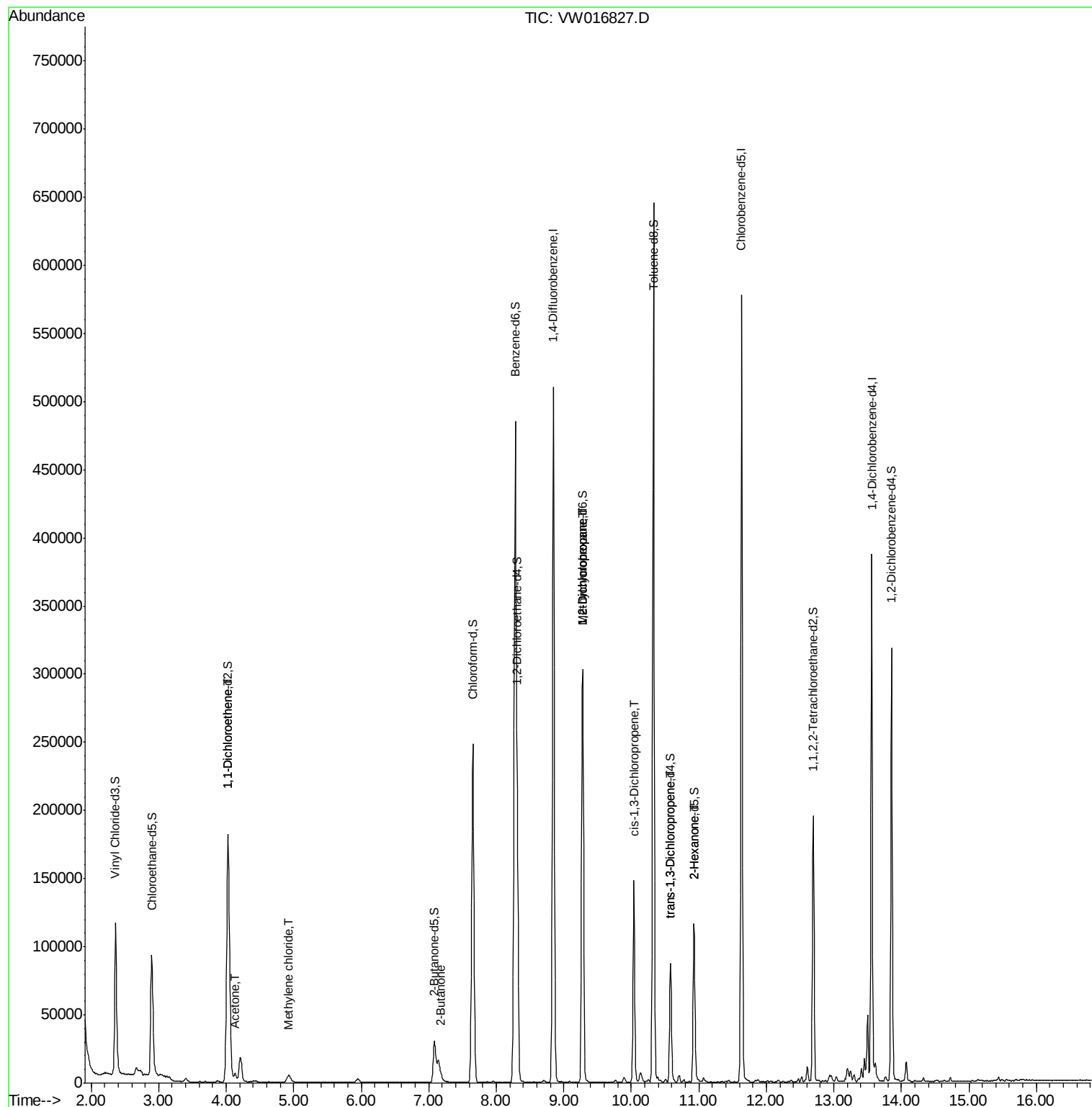
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.03	96	1803	0.298	ug/L #	1
13) Acetone	4.13	43	10151	12.818	ug/L	97
16) Methylene chloride	4.92	84	4781	0.740	ug/L	92
21) 2-Butanone	7.18	43	6784	5.103	ug/L	80
36) Methylcyclohexane	9.28	83	38036	4.391	ug/L #	22
40) 1,2-Dichloropropane	9.27	63	16297	3.957	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4066	0.619	ug/L #	60
45) trans-1,3-Dichloropropene	10.59	75	2342	0.424	ug/L #	77
49) 2-Hexanone	10.93	43	7020	5.130	ug/L #	61

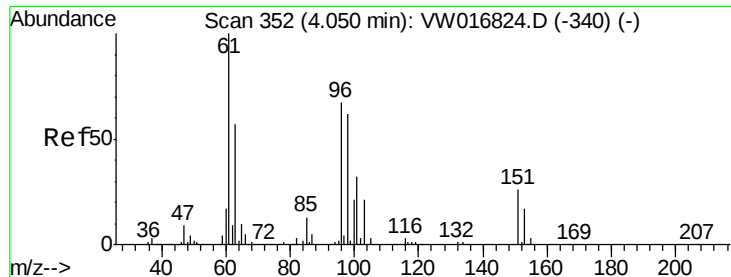
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 08 08:32:41 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.298 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.02 min

Lab File: VW016827.D

Acq: 07 Oct 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

C0AQ2RE

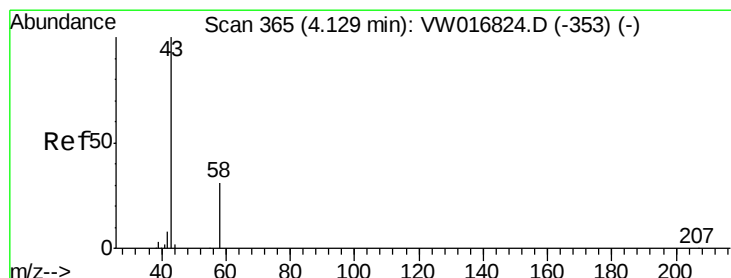
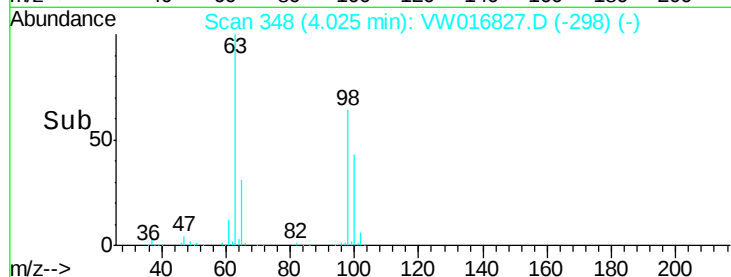
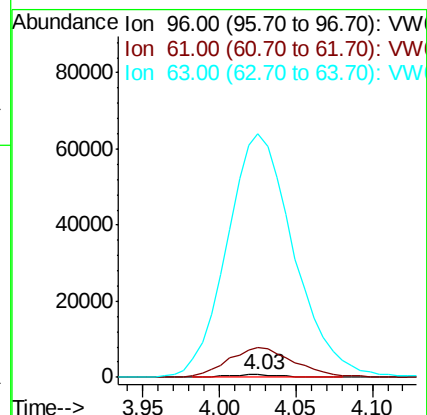
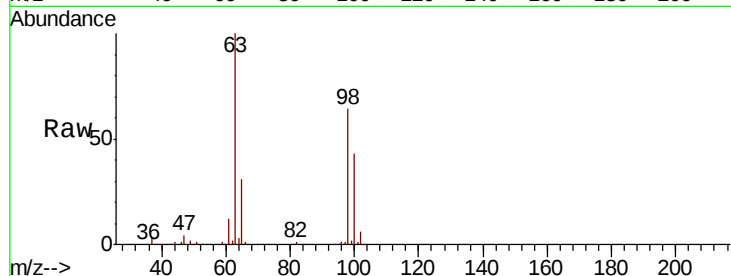
Tot Ion: 96 Resp: 1803

Ion Ratio Lower Upper

96 100

61 1091.6 105.1 195.1#

63 8999.2 69.9 129.7#



#13

Acetone

Concen: 12.818 ug/L

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016827.D

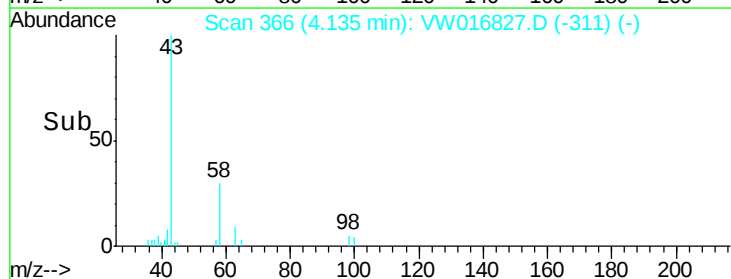
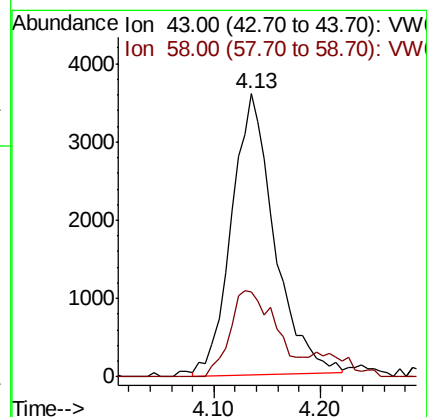
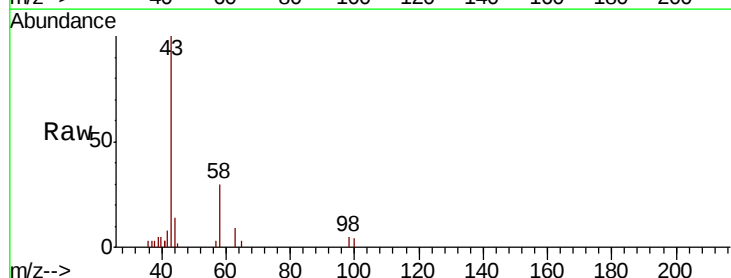
Acq: 07 Oct 2020 11:44

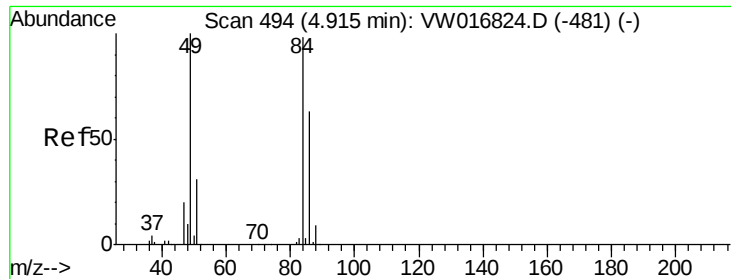
Tgt Ion: 43 Resp: 10151

Ion Ratio Lower Upper

43 100

58 32.2 0.0 67.6

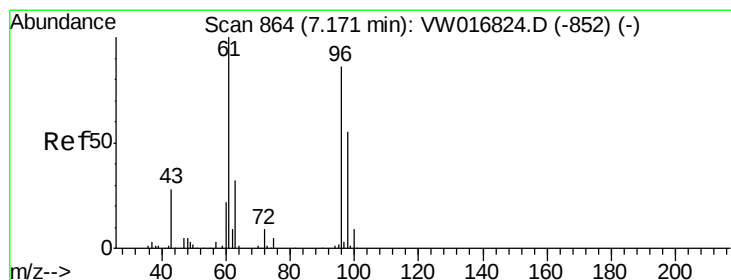
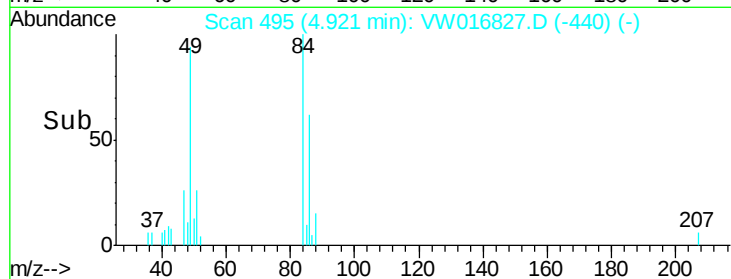
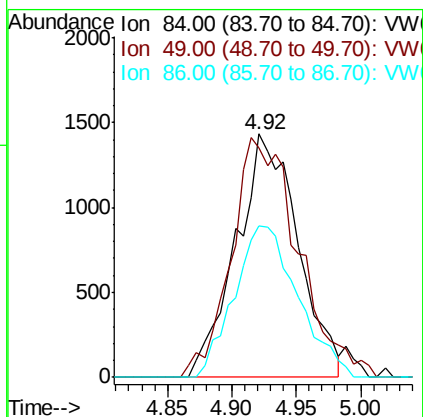
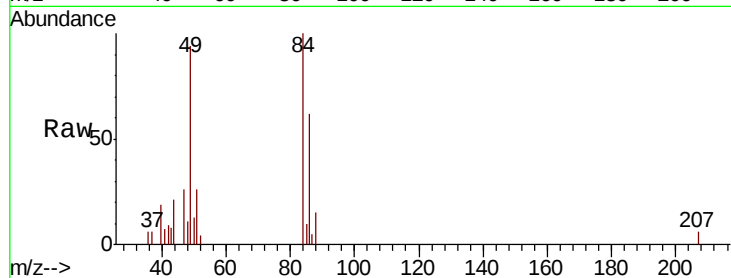




#16
Methylene chloride
Concen: 0.740 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW016827.D
Acq: 07 Oct 2020 11:44

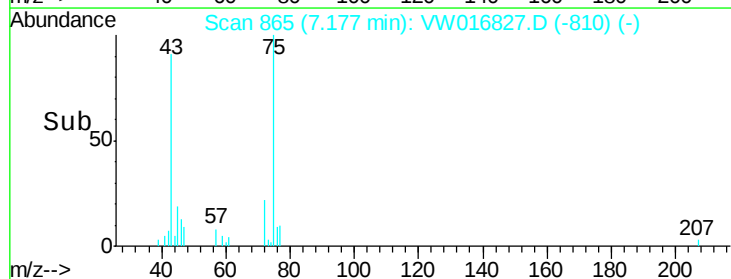
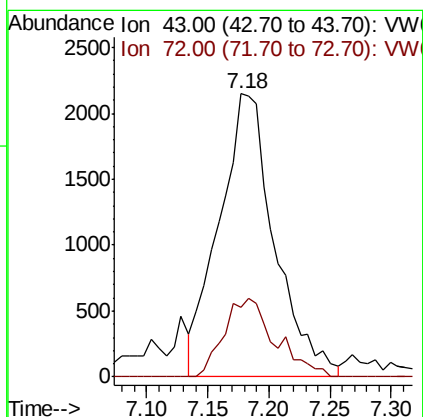
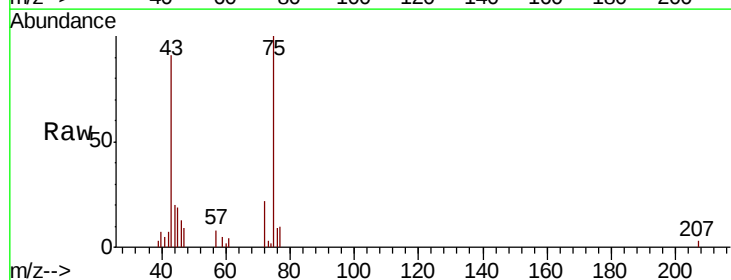
Instrument :
MSVOA_W
ClientSampleId :
C0AQ2RE

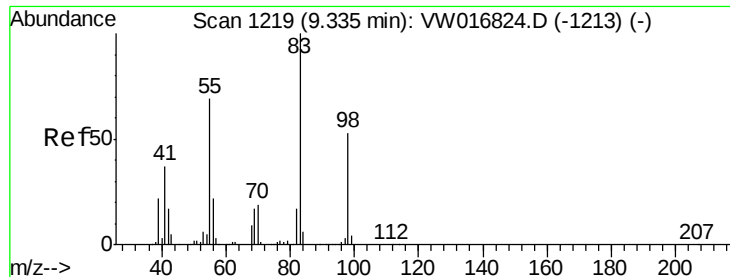
Tot Ion: 84 Resp: 4781
Ion Ratio Lower Upper
84 100
49 94.3 73.1 135.8
86 62.5 46.0 85.4



#21
2-Butanone
Concen: 5.103 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016827.D
Acq: 07 Oct 2020 11:44

Tgt Ion: 43 Resp: 6784
Ion Ratio Lower Upper
43 100
72 21.3 16.2 48.5

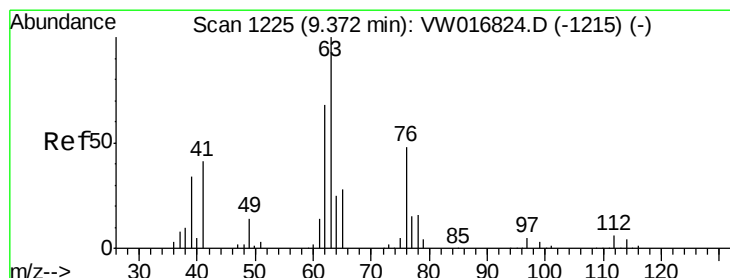
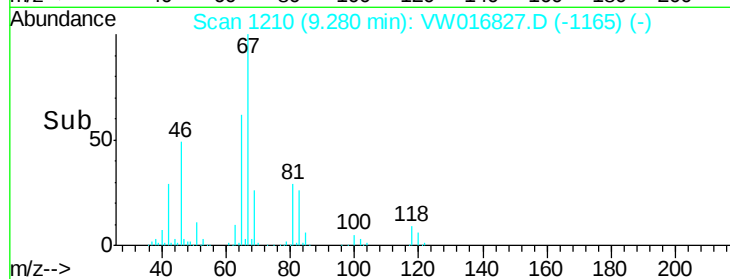
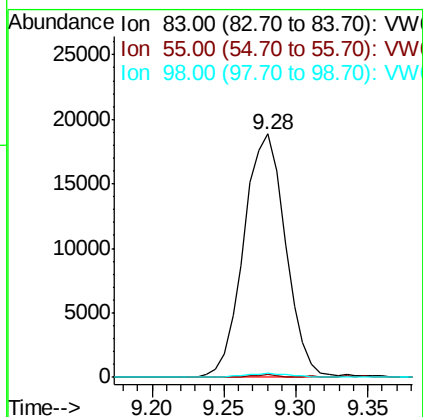
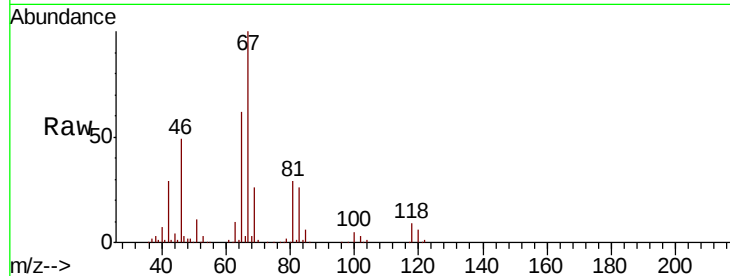




#36
Methvlcvclohexane
Concen: 4.391 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW016827.D
Acq: 07 Oct 2020 11:44

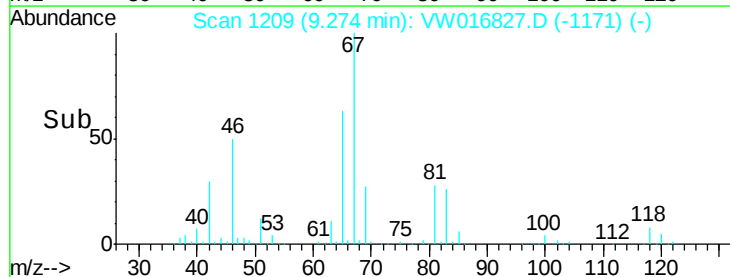
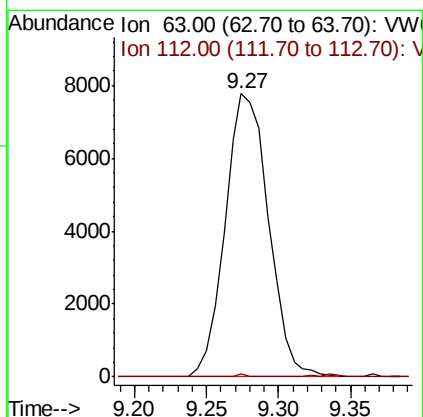
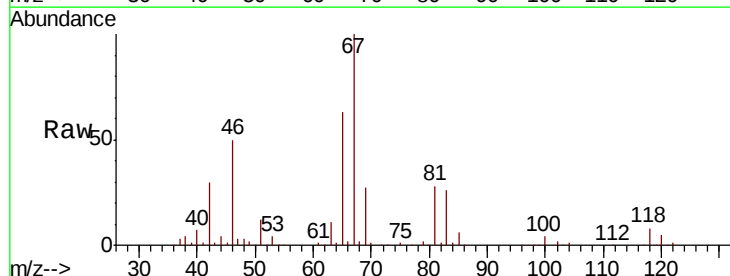
Instrument :
MSVOA_W
ClientSampleId :
C0AQ2RE

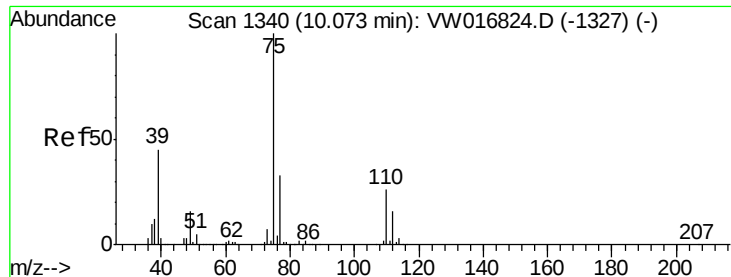
Tot Ion: 83 Resp: 38036
Ion Ratio Lower Upper
83 100
55 0.7 54.2 81.4#
98 1.1 41.4 62.2#



#40
1,2-Dichloropropane
Concen: 3.957 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016827.D
Acq: 07 Oct 2020 11:44

Tgt Ion: 63 Resp: 16297
Ion Ratio Lower Upper
63 100
112 0.1 4.5 6.7#





#42

cis-1,3-Dichloropropene

Concen: 0.619 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016827.D

Acq: 07 Oct 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

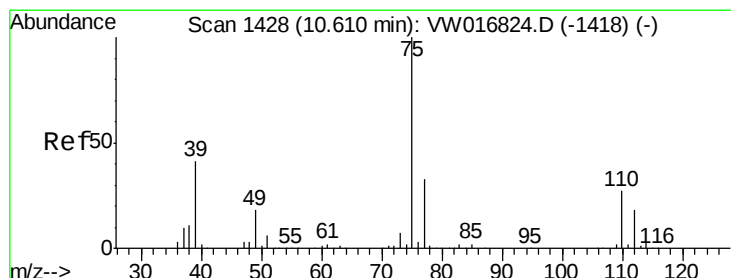
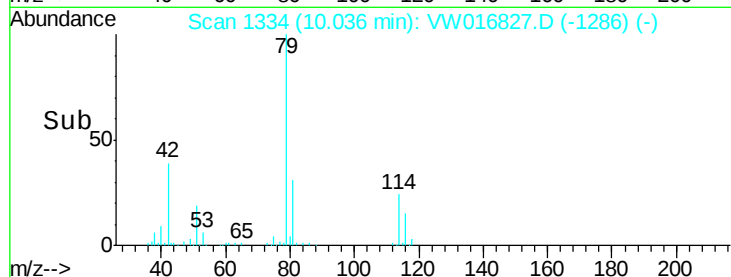
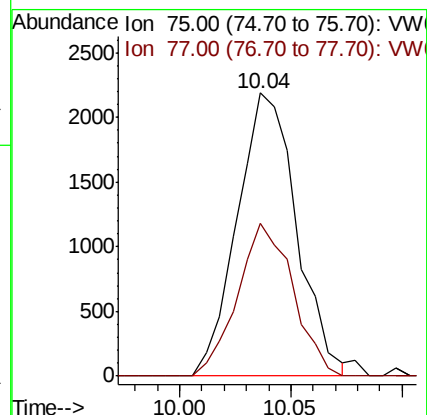
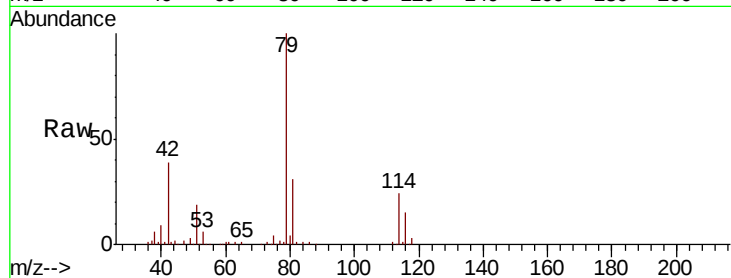
C0AQ2RE

Tot Ion: 75 Resp: 4066

Ion Ratio Lower Upper

75 100

77 54.0 22.1 41.1#



#45

trans-1,3-Dichloropropene

Concen: 0.424 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016827.D

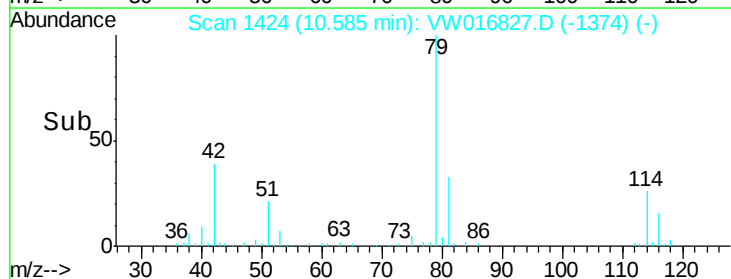
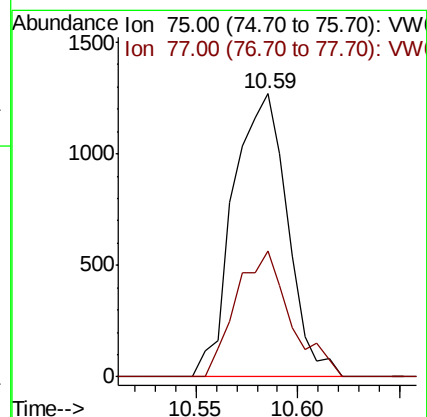
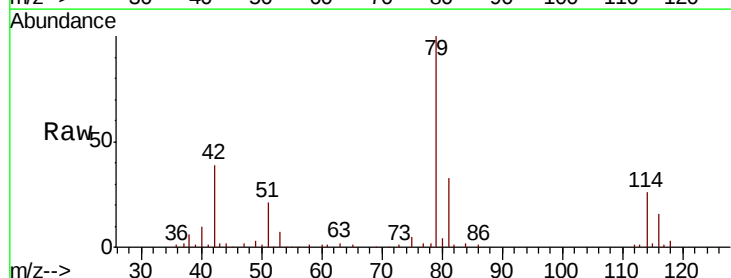
Acq: 07 Oct 2020 11:44

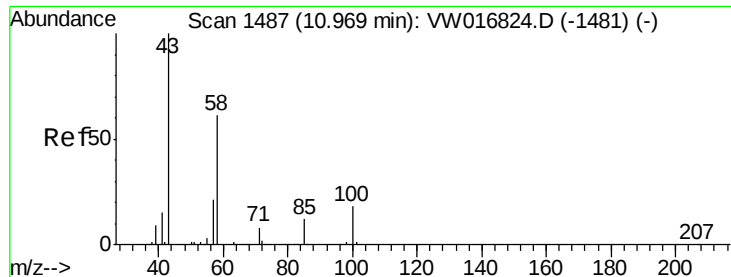
Tgt Ion: 75 Resp: 2342

Ion Ratio Lower Upper

75 100

77 44.4 22.2 41.2#





#49

2-Hexanone

Concen: 5.130 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016827.D

Acq: 07 Oct 2020 11:44

Instrument :

MSVOA_W

ClientSampleId :

C0AQ2RE

Tot Ion: 43 Resp: 7020

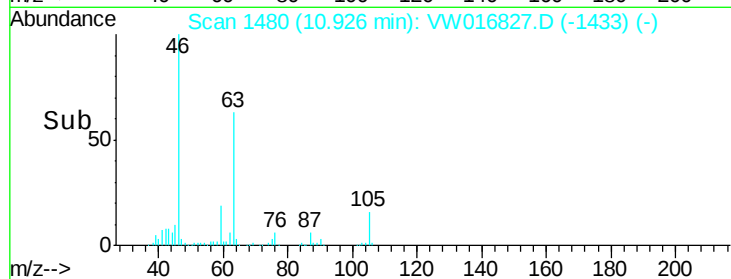
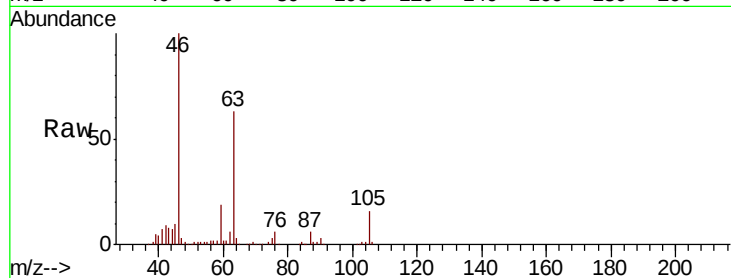
Ion Ratio Lower Upper

43 100

58 19.9 47.1 70.7#

57 20.8 16.2 24.4

100 0.0 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

