

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016689.D
 Acq On : 29 Sep 2020 16:15
 Operator : SY/VA
 Sample : L4184-11
 Misc : 4.63G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL5

Quant Time: Sep 30 07:17:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 07:14:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	607529	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	509417	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190654	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	116290	19.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.12%
7) Chloroethane-d5	2.91	69	107457	22.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.52%
10) 1,1-Dichloroethene-d2	4.03	63	194537	14.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.20%
20) 2-Butanone-d5	7.09	46	60184	37.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.08%
24) Chloroform-d	7.65	84	310470	24.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.72%
26) 1,2-Dichloroethane-d4	8.31	65	160925	24.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.68%
29) Benzene-d6	8.28	84	584405	25.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.32%
33) 1,2-Dichloropropane-d6	9.28	67	165908	26.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.20%
37) Toluene-d8	10.33	98	544780	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.96%
38) trans-1,3-Dichloropropene-	10.59	79	65108	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.44%
39) 2-Hexanone-d5	10.93	63	49536	43.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	123070	23.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	148109	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

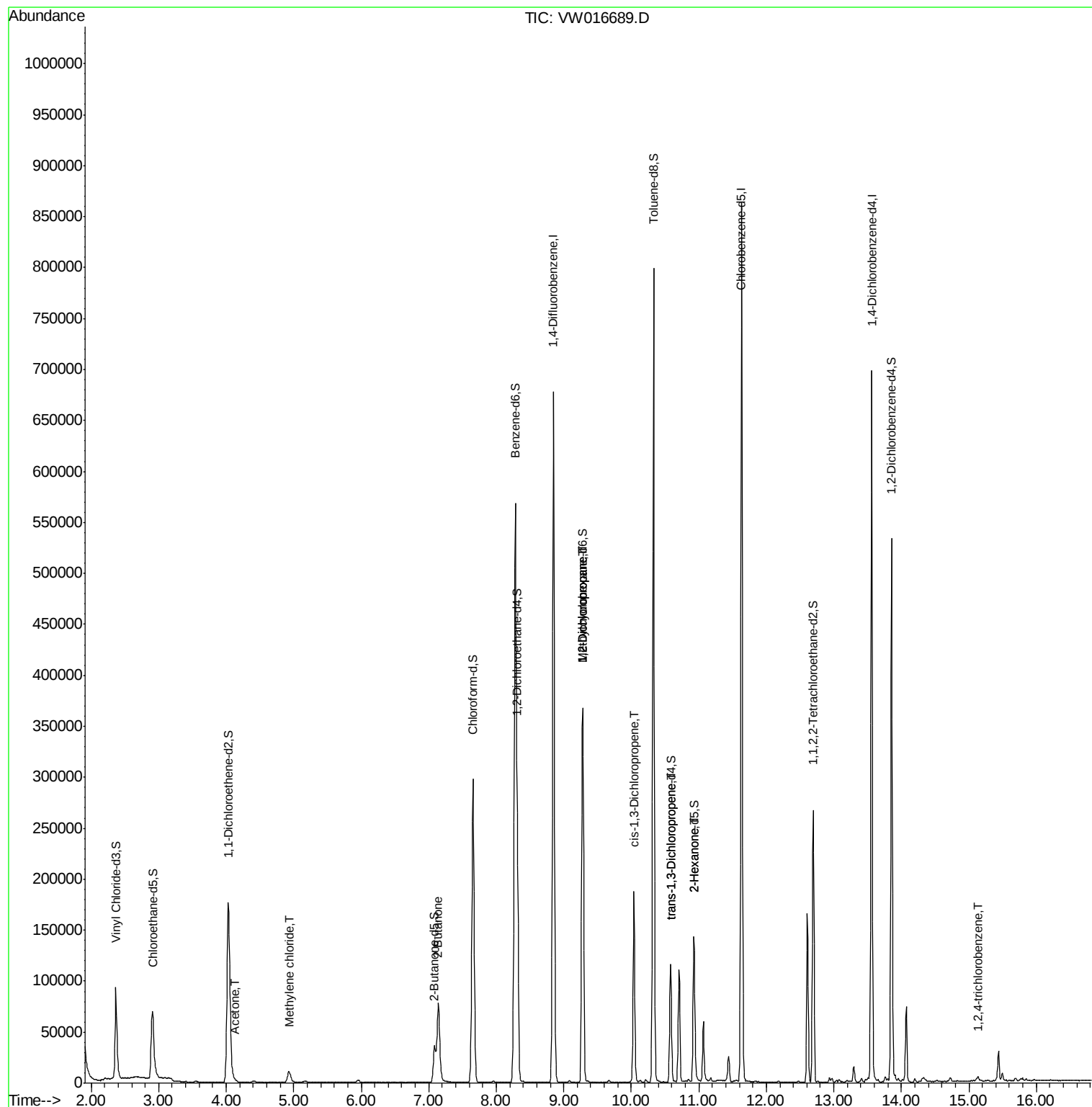
					Ovalue
13) Acetone	4.13	43	1023	0.815 ug/L	89
16) Methylene chloride	4.93	84	10036	1.071 ug/L	92
21) 2-Butanone	7.15	43	7016	3.284 ug/L #	58
36) Methylcyclohexane	9.28	83	44625	3.330 ug/L #	21
40) 1,2-Dichloropropane	9.28	63	19826	3.122 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	5241	0.483 ug/L	87
45) trans-1,3-Dichloropropene	10.59	75	3036	0.322 ug/L #	60
49) 2-Hexanone	10.93	43	7879	3.077 ug/L #	63
68) 1,2,4-trichlorobenzene	15.13	180	1576	0.215 ug/L	98

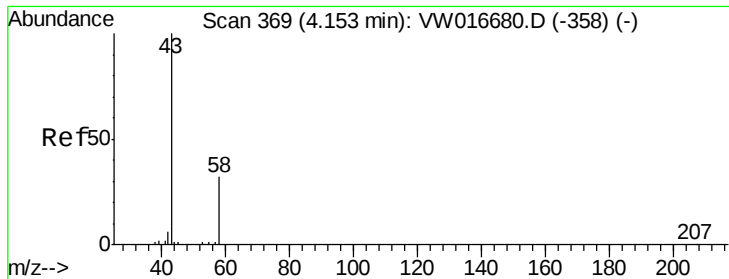
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Sep 30 07:14:58 2020
Response via : Initial Calibration





#13

Acetone

Concen: 0.815 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW016689.D

Acq: 29 Sep 2020 16:15

Instrument :

MSVOA_W

ClientSampled :

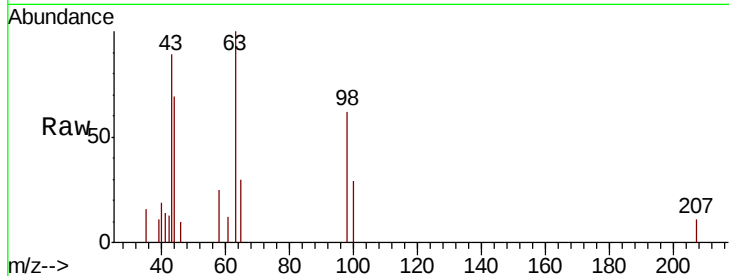
C0AL5

Tot Ion: 43 Resp: 1023

Ion Ratio Lower Upper

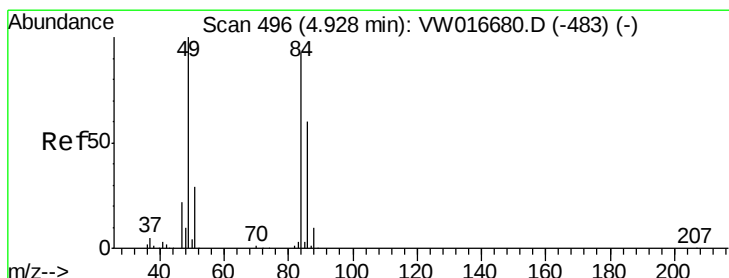
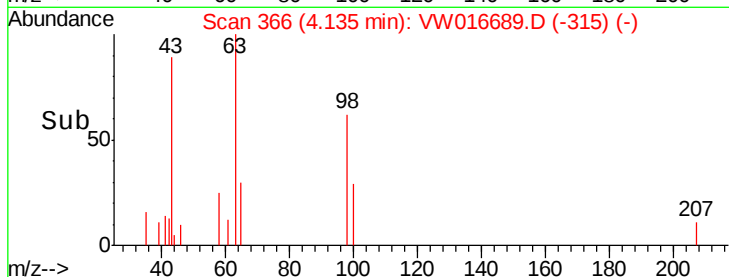
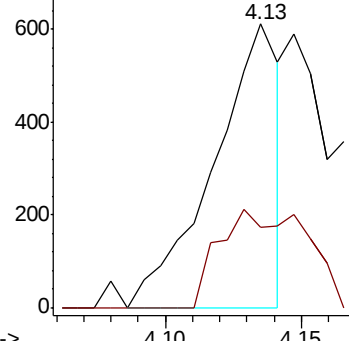
43 100

58 23.9 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 1.071 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016689.D

Acq: 29 Sep 2020 16:15

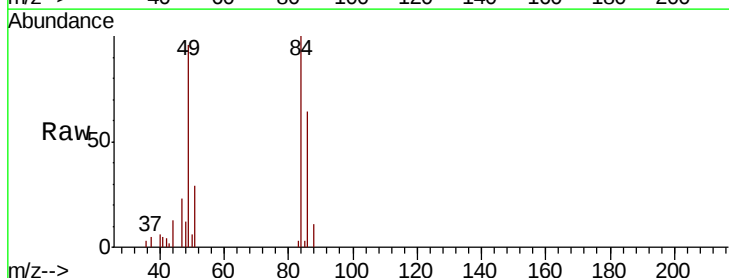
Tgt Ion: 84 Resp: 10036

Ion Ratio Lower Upper

84 100

49 96.2 76.0 141.2

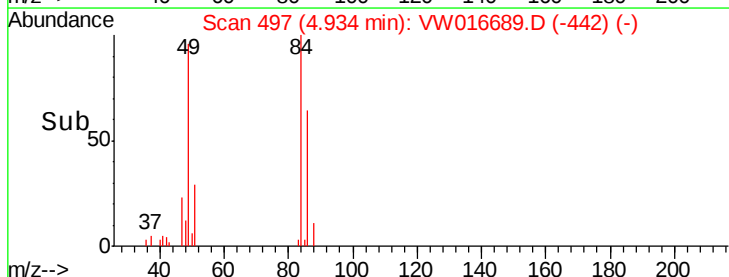
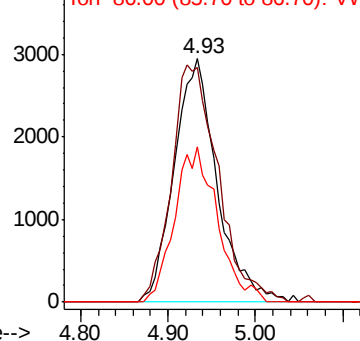
86 63.9 45.6 84.6

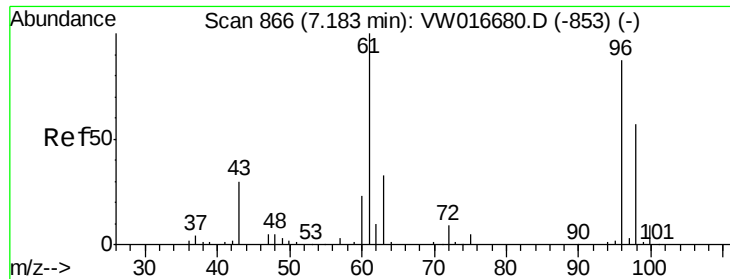


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

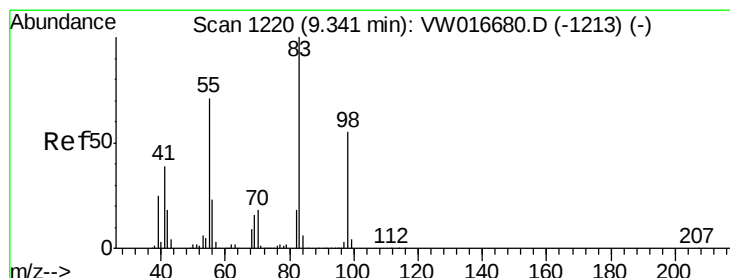
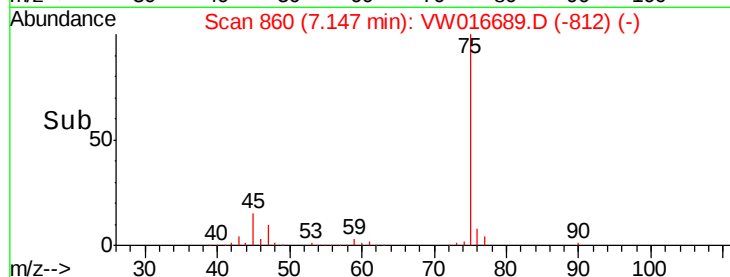
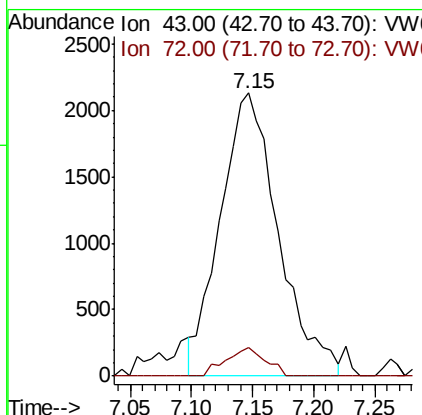
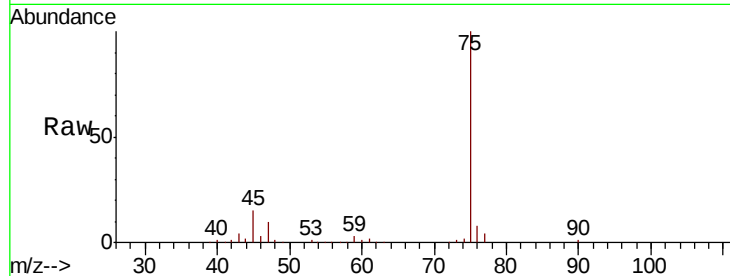




#21
2-Butanone
Concen: 3.284 ug/L
RT: 7.15 min Scan# 860
Delta R.T. -0.04 min
Lab File: VW016689.D
Acq: 29 Sep 2020 16:15

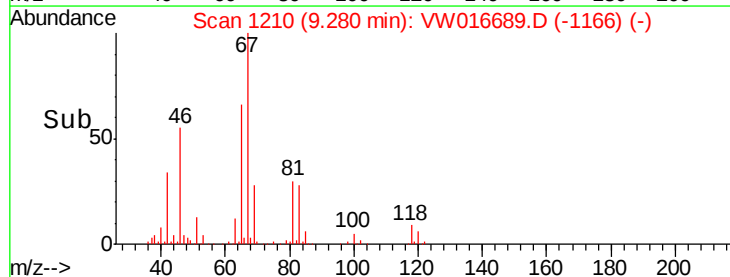
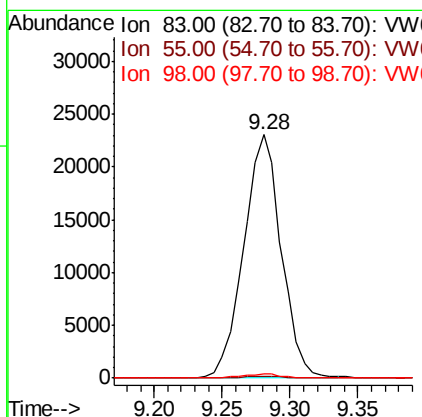
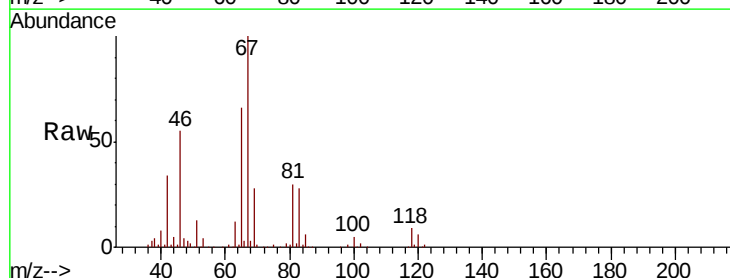
Instrument :
MSVOA_W
ClientSampleId :
C0AL5

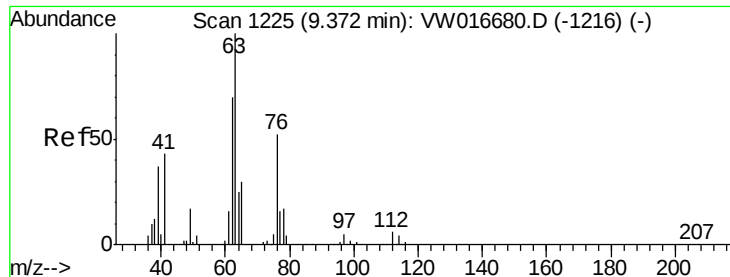
Tot Ion: 43 Resp: 7016
Ion Ratio Lower Upper
43 100
72 6.8 14.6 43.8#



#36
Methylcyclohexane
Concen: 3.330 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW016689.D
Acq: 29 Sep 2020 16:15

Tgt Ion: 83 Resp: 44625
Ion Ratio Lower Upper
83 100
55 0.7 55.9 83.9#
98 1.7 42.1 63.1#





#40

1,2-Dichloropropane

Concen: 3.122 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016689.D

Acq: 29 Sep 2020 16:15

Instrument :

MSVOA_W

ClientSampled :

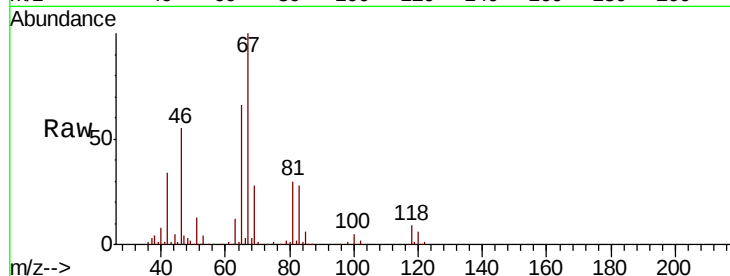
C0AL5

Tot Ion: 63 Resp: 19826

Ion Ratio Lower Upper

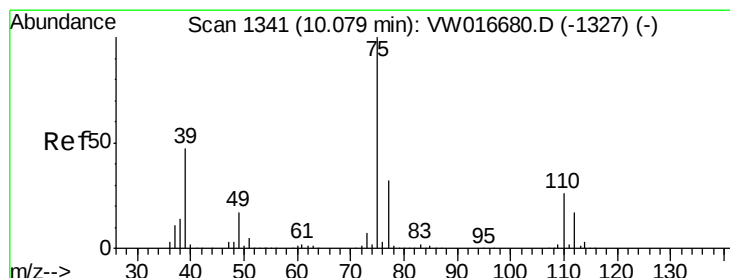
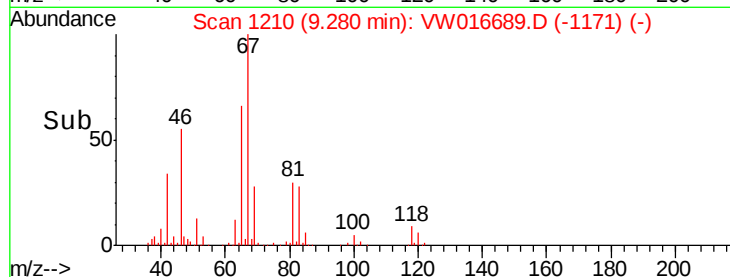
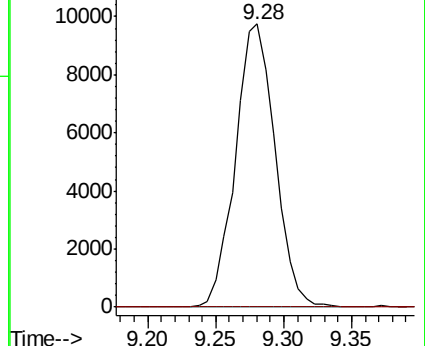
63 100

112 0.0 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.483 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.04 min

Lab File: VW016689.D

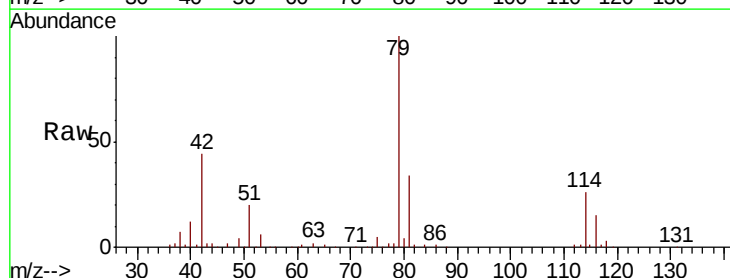
Acq: 29 Sep 2020 16:15

Tgt Ion: 75 Resp: 5241

Ion Ratio Lower Upper

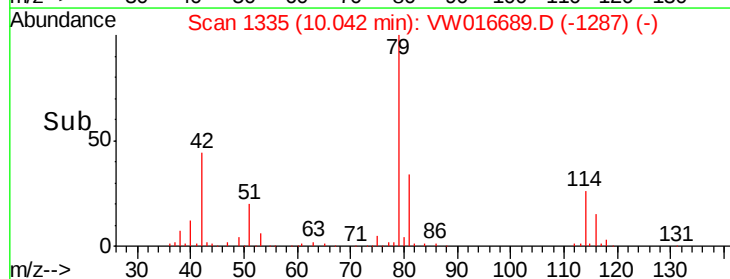
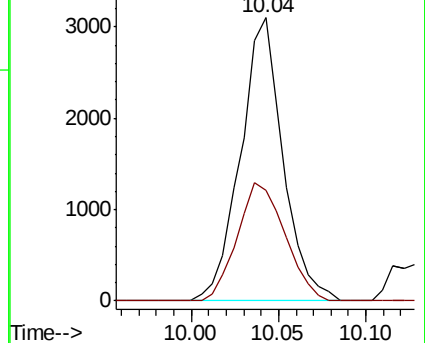
75 100

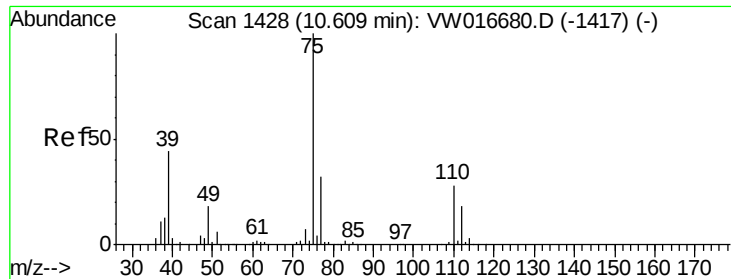
77 38.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

trans-1,3-Dichloropropene

Concen: 0.322 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016689.D

Acq: 29 Sep 2020 16:15

Instrument :

MSVOA_W

ClientSampleId :

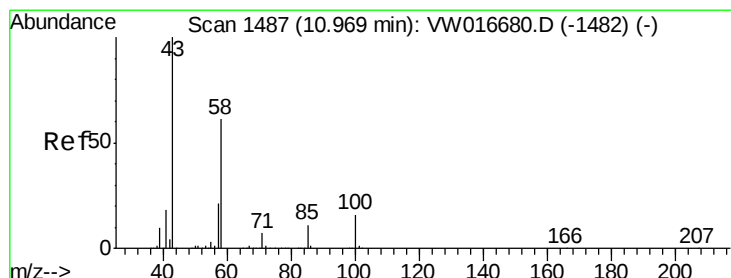
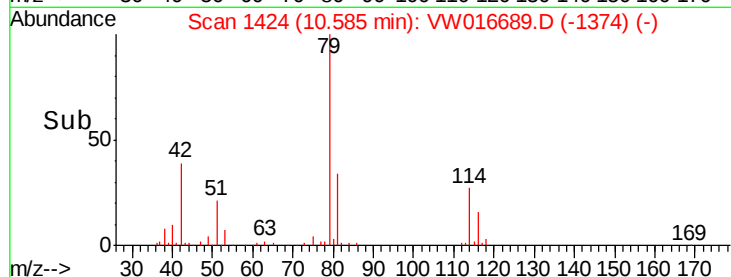
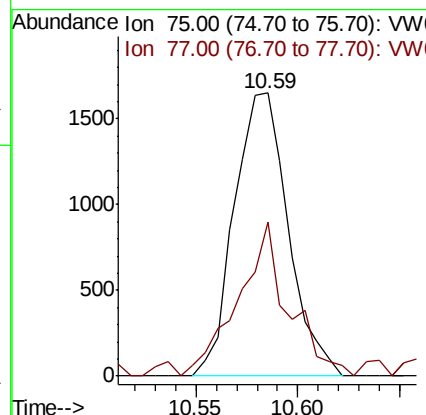
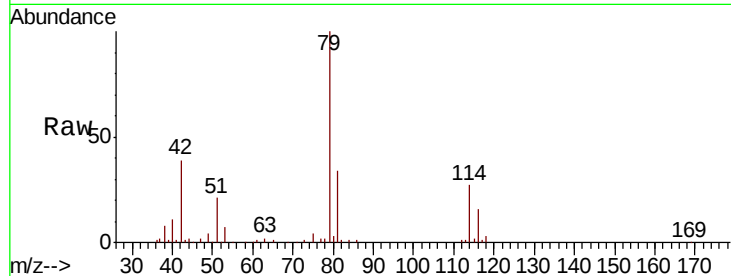
C0AL5

Tot Ion: 75 Resp: 3036

Ion Ratio Lower Upper

75 100

77 54.3 22.5 41.9#



#49

2-Hexanone

Concen: 3.077 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016689.D

Acq: 29 Sep 2020 16:15

Tgt Ion: 43 Resp: 7879

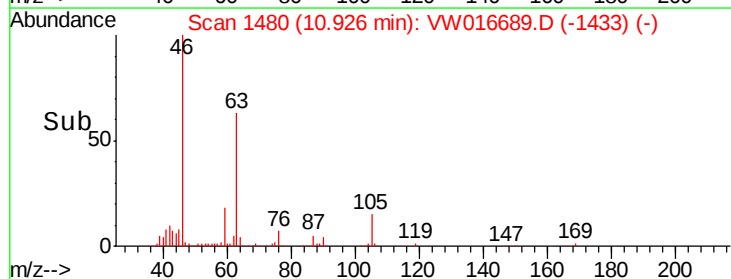
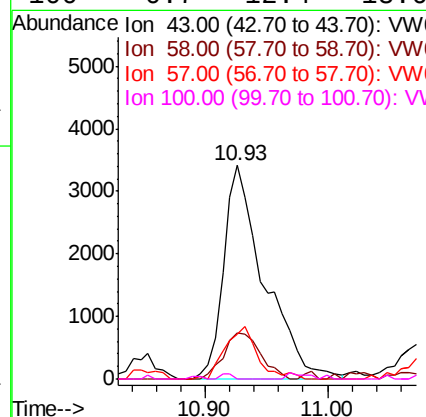
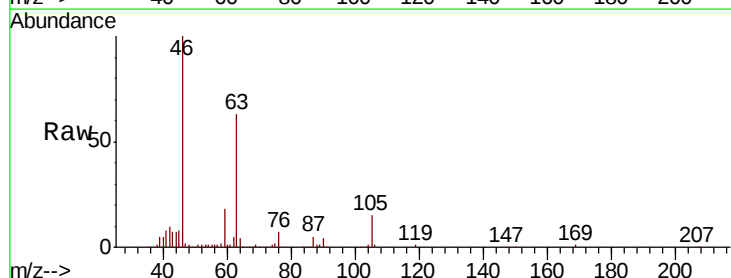
Ion Ratio Lower Upper

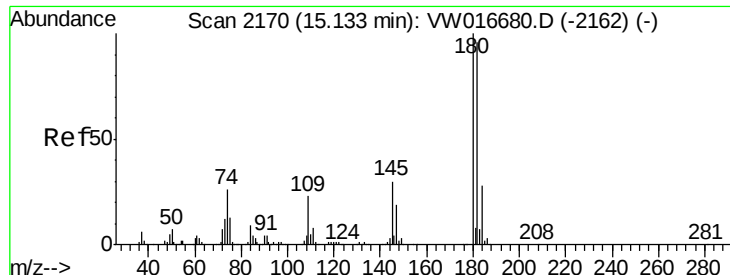
43 100

58 19.5 44.2 66.2#

57 18.6 16.3 24.5

100 0.7 12.4 18.6#

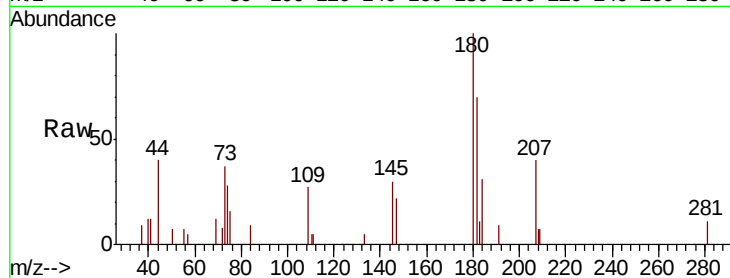




#68
 1,2,4-trichlorobenzene
 Concen: 0.215 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016689.D
 Acq: 29 Sep 2020 16:15

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL5

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	74.5	111.7
145	33.7	23.1	34.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

