

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092920\
 Data File : VW016686.D
 Acq On : 29 Sep 2020 15:04
 Operator : SY/VA
 Sample : L4184-12
 Misc : 5.40G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL6

Quant Time: Sep 30 07:16:45 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	623147	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	511595	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	195132	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	117943	19.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.20%
7) Chloroethane-d5	2.91	69	107363	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
10) 1,1-Dichloroethene-d2	4.03	63	198650	14.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.92%
20) 2-Butanone-d5	7.08	46	64153	39.01	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.02%
24) Chloroform-d	7.66	84	303904	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.31	65	157675	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.24%
29) Benzene-d6	8.28	84	581081	25.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.32%
33) 1,2-Dichloropropane-d6	9.28	67	163047	26.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.88%
37) Toluene-d8	10.33	98	537106	23.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.16%
38) trans-1,3-Dichloropropene-	10.58	79	68627	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.56%
39) 2-Hexanone-d5	10.93	63	51433	45.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122021	23.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	149704	24.01	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.04%

Target Compounds

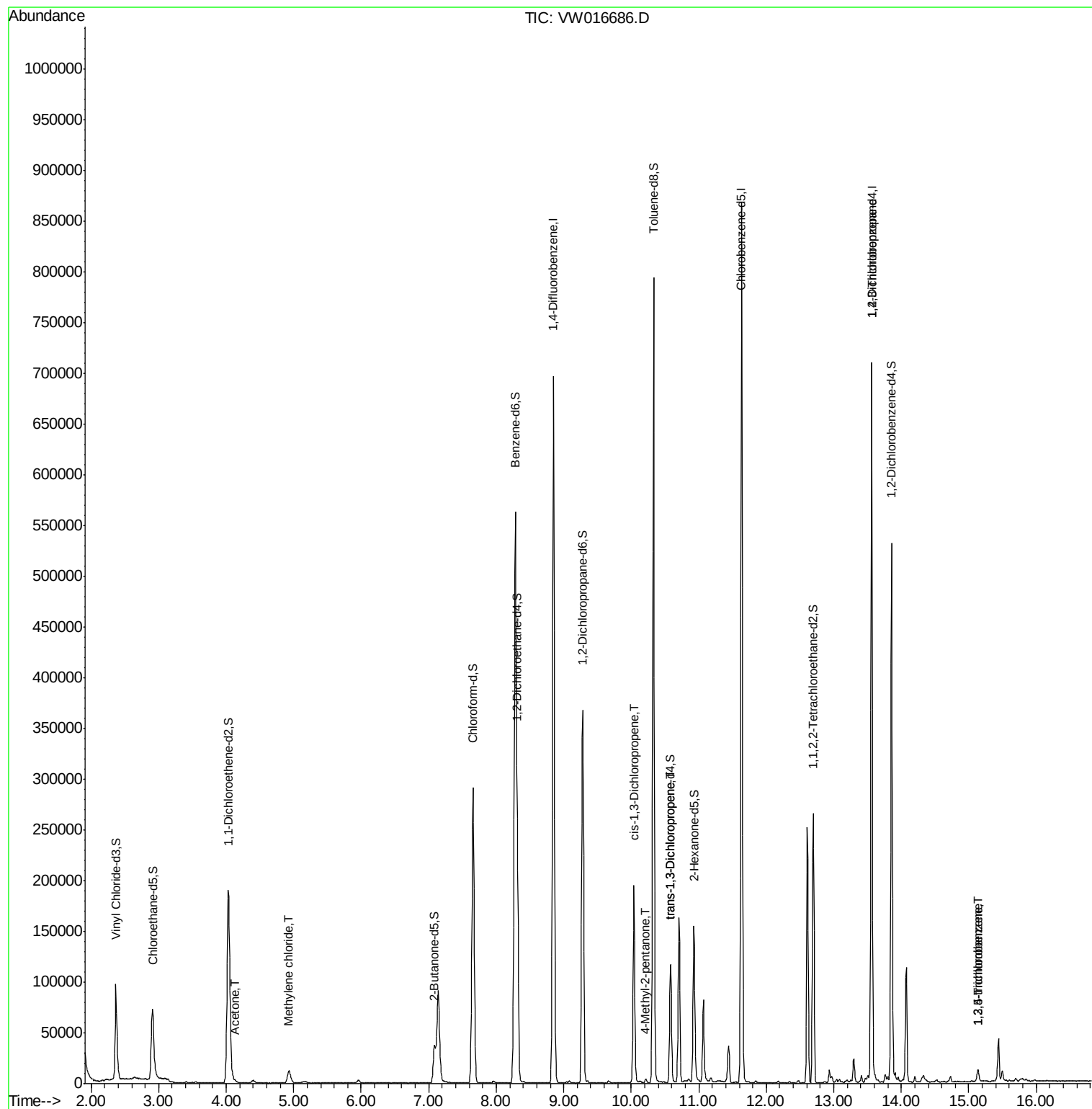
					Ovalue
13) Acetone	4.13	43	545	0.423 ug/L	# 1
16) Methylene chloride	4.93	84	10771	1.121 ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	5701	0.523 ug/L	91
43) 4-Methyl-2-pentanone	10.22	43	3095	0.764 ug/L	98
45) trans-1,3-Dichloropropene	10.58	75	3438	0.363 ug/L	90
59) 1,2,3-Trichloropropane	13.56	75	19856	4.437 ug/L	91
67) 1,3,5-Trichlorobenzene	15.14	180	3958	0.426 ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	3958	0.527 ug/L	96

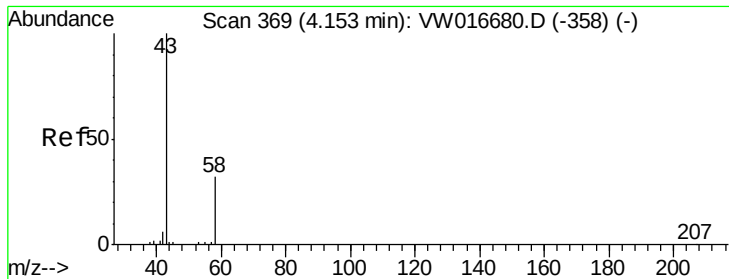
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#13

Acetone

Concen: 0.423 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016686.D

Acq: 29 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

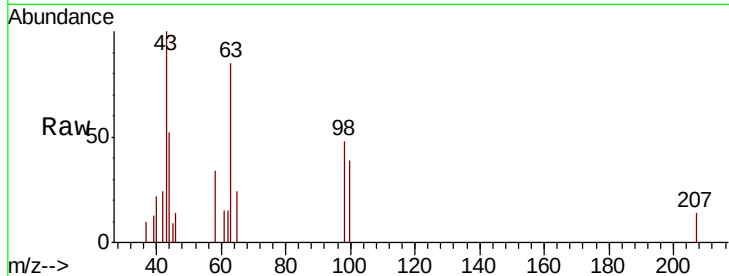
C0AL6

Tot Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 103.5 0.0 60.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

800

600

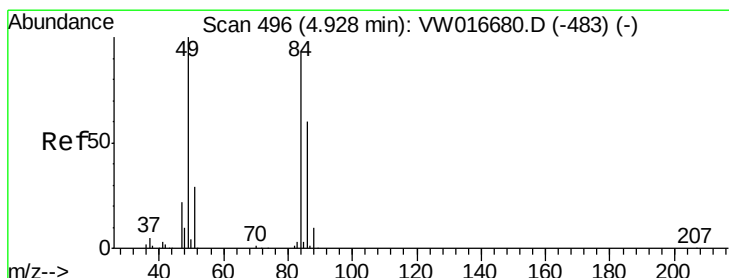
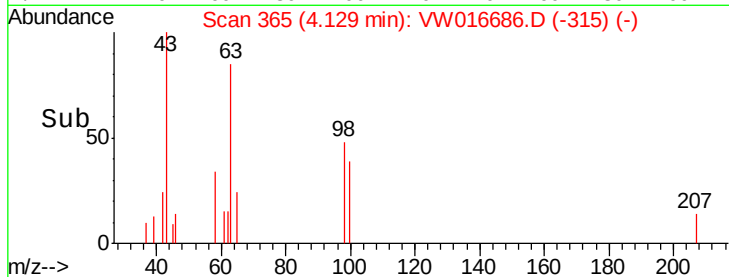
400

200

0

4.11 4.12 4.13 4.14 4.15

Time-->



#16

Methylene chloride

Concen: 1.121 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016686.D

Acq: 29 Sep 2020 15:04

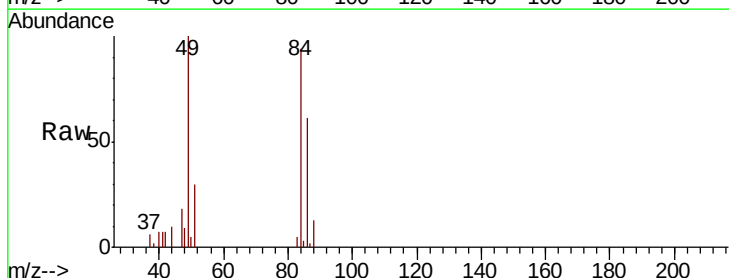
Tgt Ion: 84 Resp: 10771

Ion Ratio Lower Upper

84 100

49 105.9 76.0 141.2

86 64.6 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

4000

3000

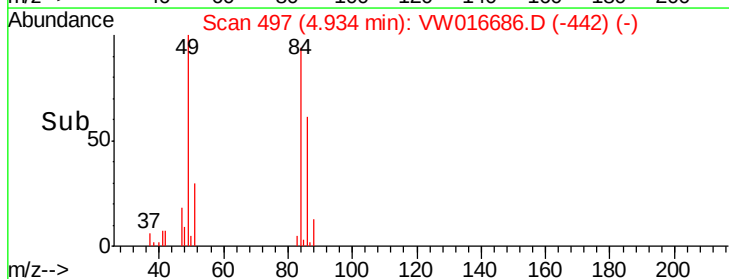
2000

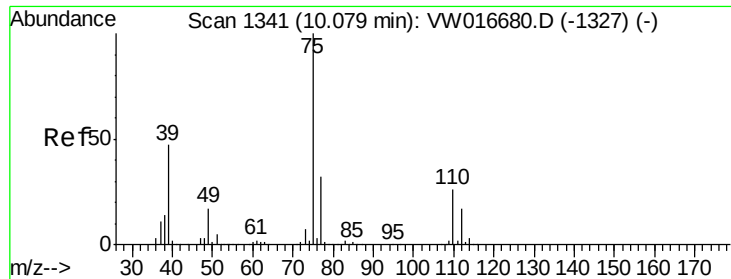
1000

0

4.85 4.90 4.95 5.00

Time-->





#42

cis-1,3-Dichloropropene

Concen: 0.523 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016686.D

Acq: 29 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

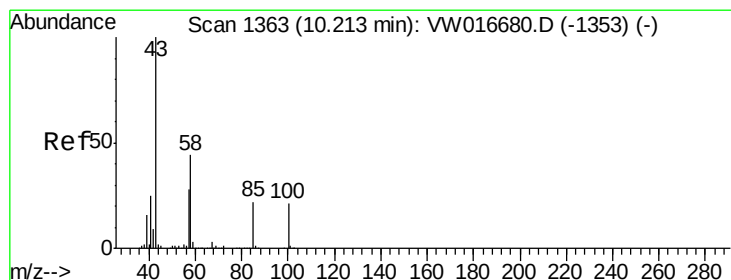
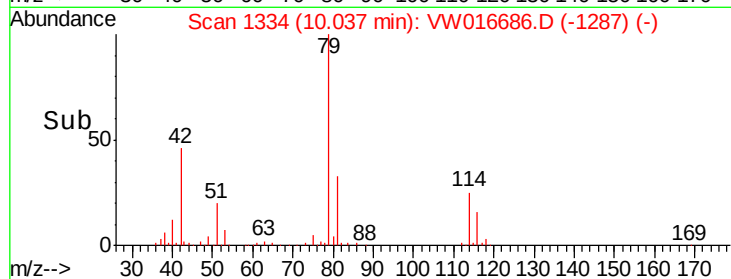
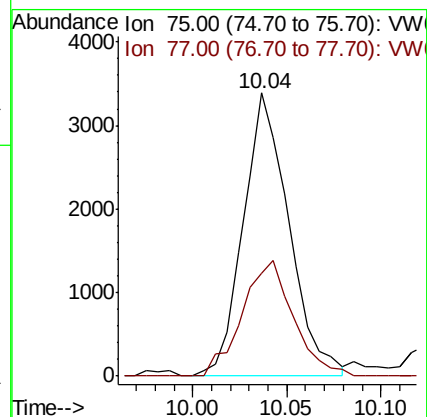
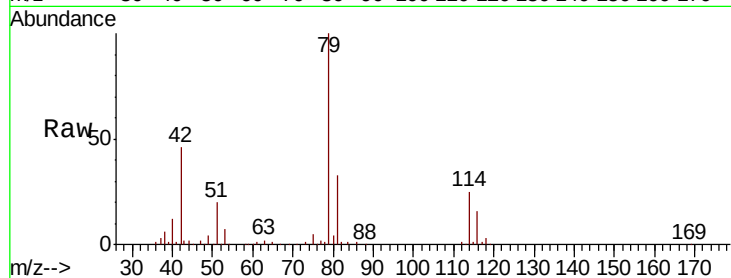
COAL6

Tot Ion: 75 Resp: 5701

Ion Ratio Lower Upper

75 100

77 36.5 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 0.764 ug/L

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW016686.D

Acq: 29 Sep 2020 15:04

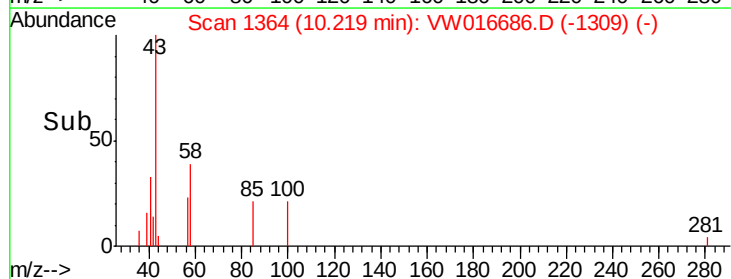
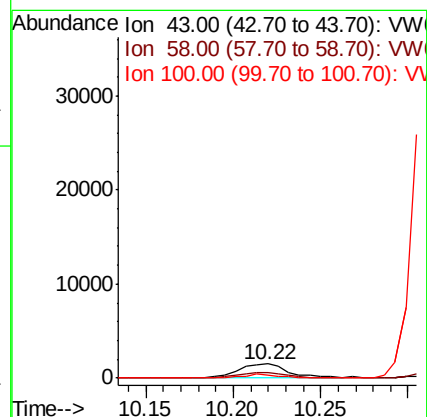
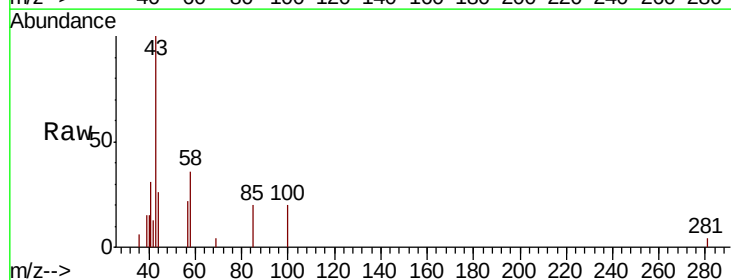
Tgt Ion: 43 Resp: 3095

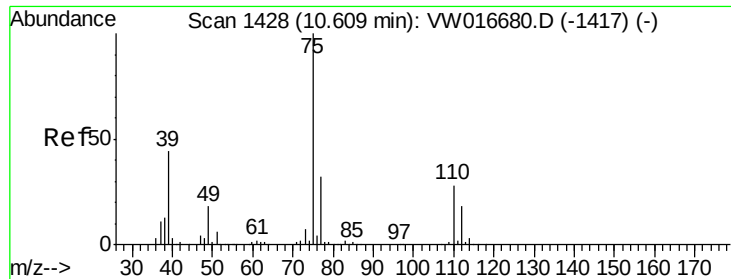
Ion Ratio Lower Upper

43 100

58 39.7 32.2 48.4

100 18.4 15.8 23.6





#45

trans-1,3-Dichloropropene

Concen: 0.363 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016686.D

Acq: 29 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

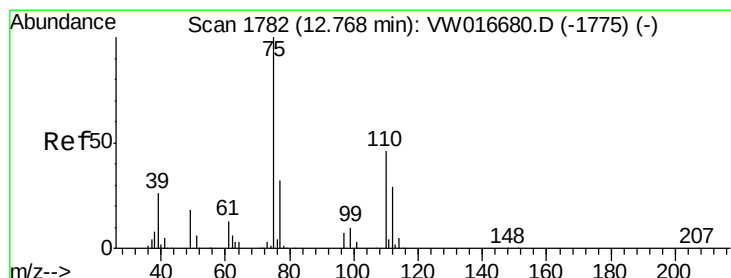
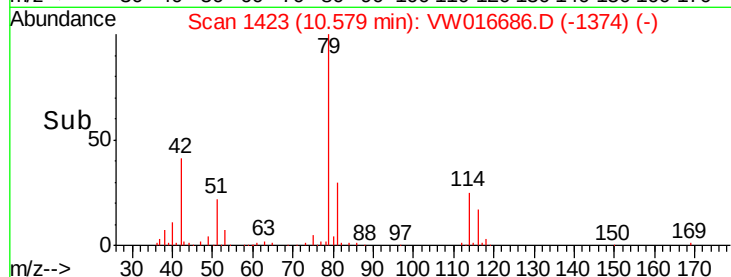
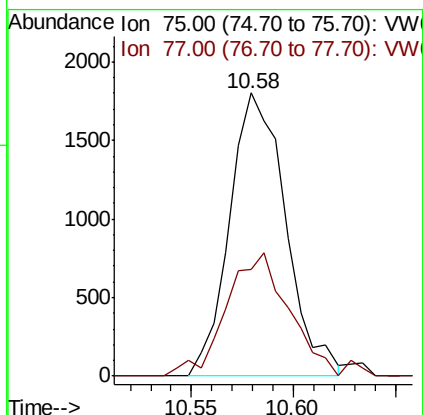
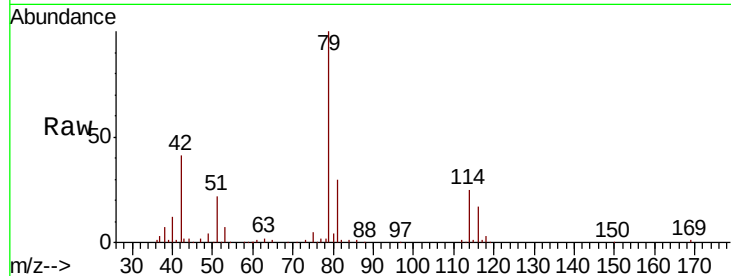
C0AL6

Tot Ion: 75 Resp: 3438

Ion Ratio Lower Upper

75 100

77 37.8 22.5 41.9



#59

1,2,3-Trichloropropane

Concen: 4.437 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016686.D

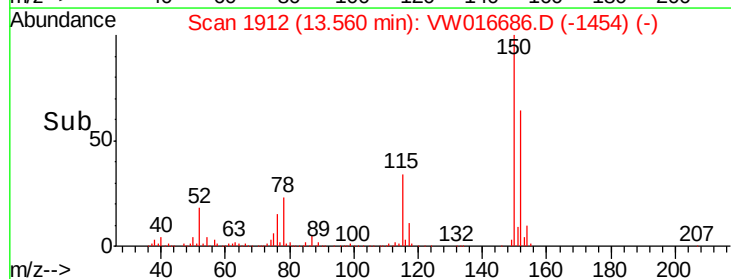
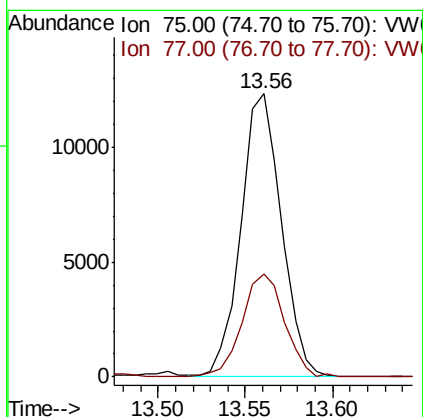
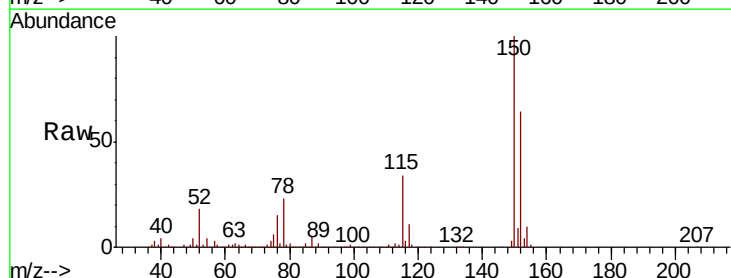
Acq: 29 Sep 2020 15:04

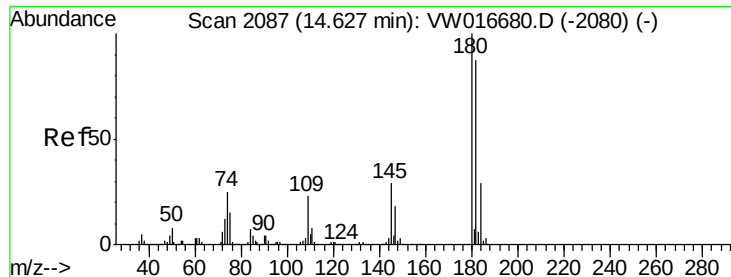
Tgt Ion: 75 Resp: 19856

Ion Ratio Lower Upper

75 100

77 38.0 26.2 39.4

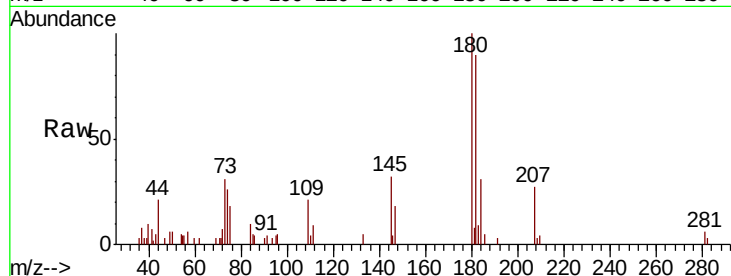




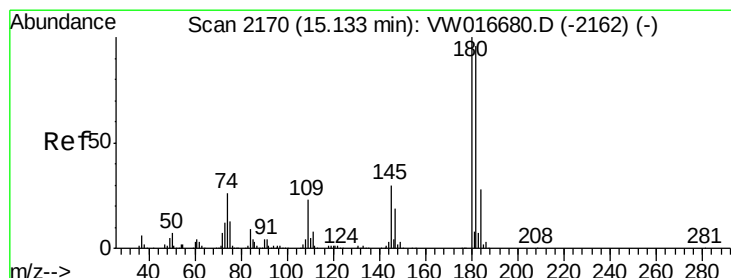
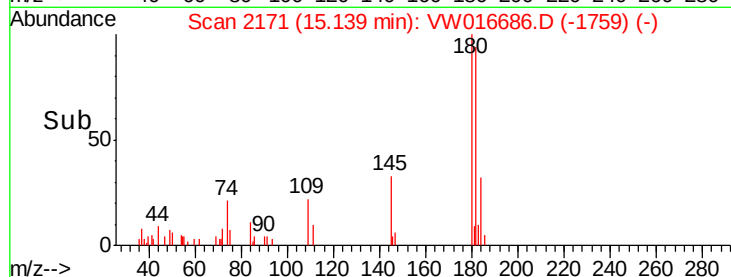
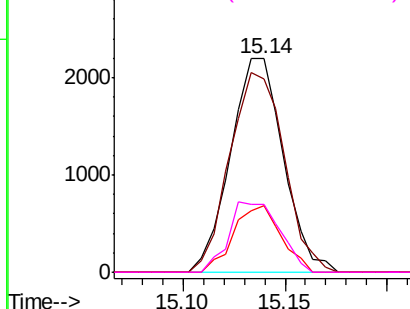
#67
 1,3,5-Trichlorobenzene
 Concen: 0.426 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.51 min
 Lab File: VW016686.D
 Acq: 29 Sep 2020 15:04

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL6

Tot Ion:180 Resp: 3958
 Ion Ratio Lower Upper
 180 100
 182 96.4 73.8 110.8
 184 28.1 23.7 35.5
 145 31.4 22.8 34.2

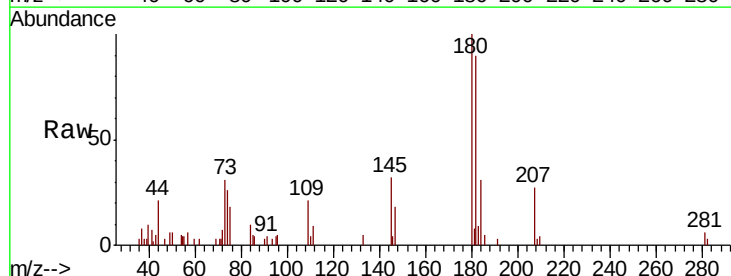


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.527 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016686.D
 Acq: 29 Sep 2020 15:04

Tgt Ion:180 Resp: 3958
 Ion Ratio Lower Upper
 180 100
 182 96.4 74.5 111.7
 145 31.4 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

