

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016717.D
 Acq On : 30 Sep 2020 17:15
 Operator : SY/VA
 Sample : L4201-02
 Misc : 4.28G/10ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AK9

Quant Time: Oct 01 05:07:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 05:05:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	648832	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	532494	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	211109	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	109473	17.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.72%
7) Chloroethane-d5	2.91	69	104532	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
10) 1,1-Dichloroethene-d2	4.03	63	197988	14.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.40%
20) 2-Butanone-d5	7.09	46	52933	30.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.82%
24) Chloroform-d	7.65	84	312645	23.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.12%
26) 1,2-Dichloroethane-d4	8.31	65	152589	21.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.60%
29) Benzene-d6	8.28	84	590656	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	9.28	67	163210	25.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.88%
37) Toluene-d8	10.33	98	545252	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.84%
38) trans-1,3-Dichloropropene-	10.58	79	56963	17.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.84%
39) 2-Hexanone-d5	10.93	63	40007	33.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108480	19.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	153826	22.80	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.20%

Target Compounds

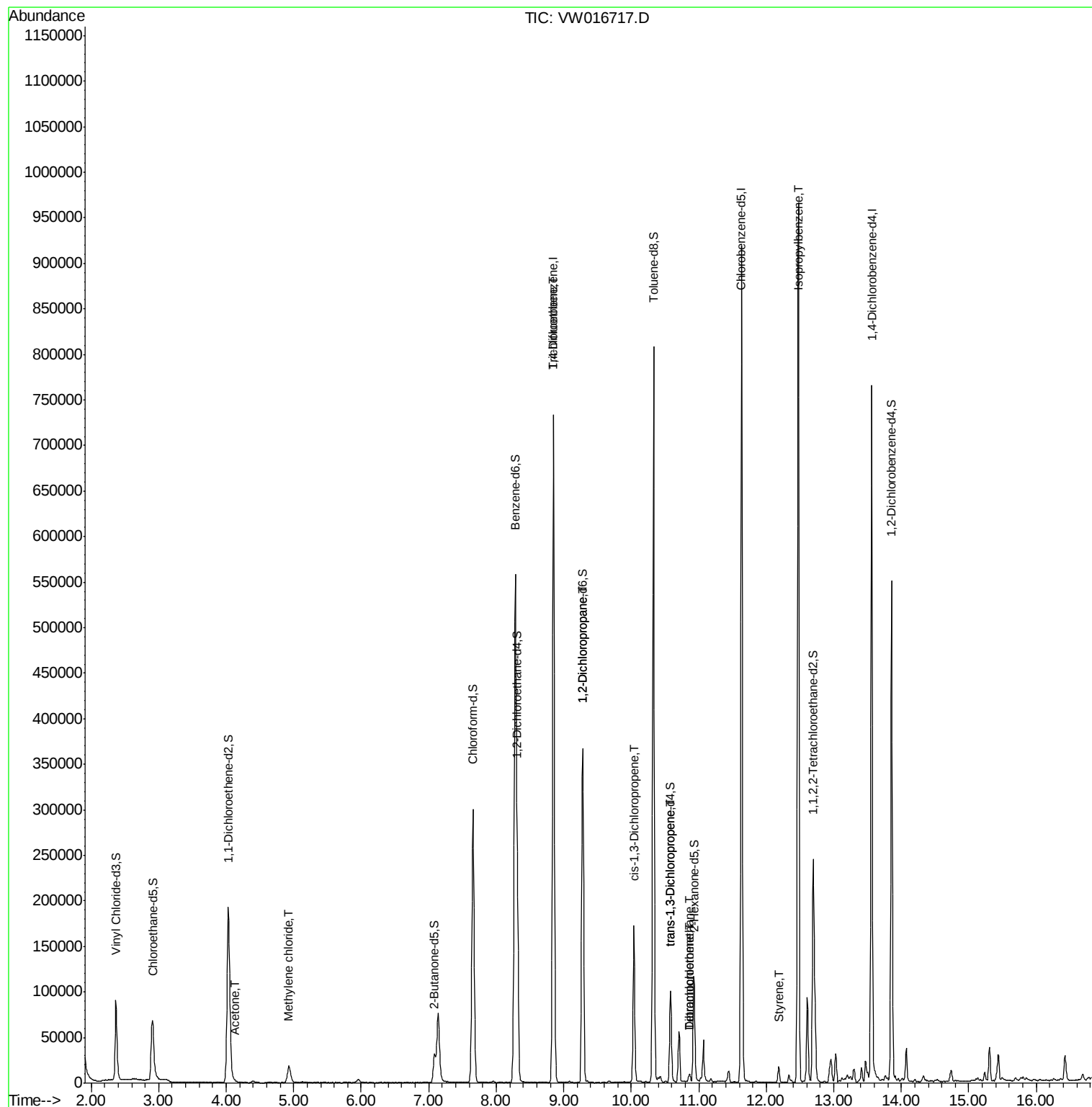
					Ovalue
13) Acetone	4.13	43	2258	1.683 ug/L	98
16) Methylene chloride	4.93	84	15799	1.579 ug/L	99
35) Trichloroethene	8.84	95	18888	2.287 ug/L #	2
40) 1,2-Dichloropropane	9.28	63	19866	2.993 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	4993	0.440 ug/L #	67
45) trans-1,3-Dichloropropene	10.59	75	2783	0.282 ug/L	95
47) Tetrachloroethene	10.87	164	2022	0.271 ug/L	93
50) Dibromochloromethane	10.86	129	1723	0.236 ug/L #	12
56) Styrene	12.18	104	8580	0.378 ug/L	88
57) Isopropylbenzene	12.48	105	43431	1.163 ug/L #	1

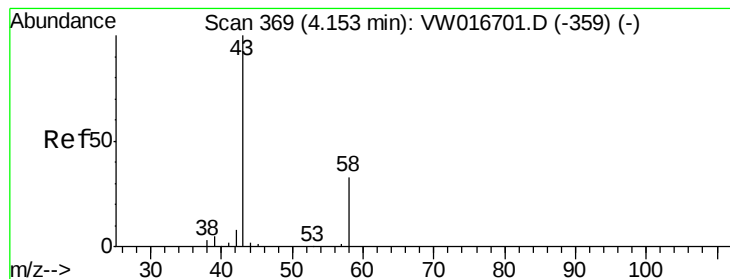
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 01 05:05:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.683 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_W

ClientSampled :

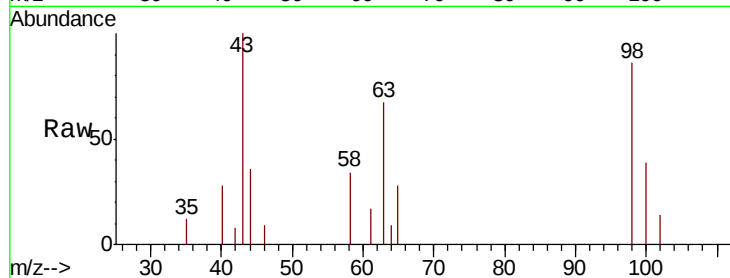
C0AK9

Tot Ion: 43 Resp: 2258

Ion Ratio Lower Upper

43 100

58 31.0 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

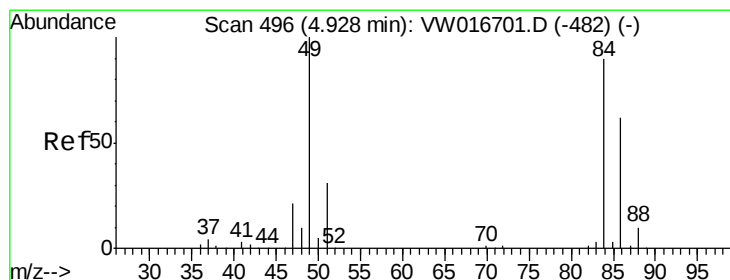
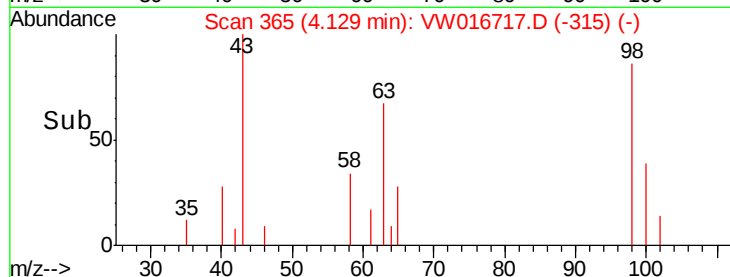
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 1.579 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

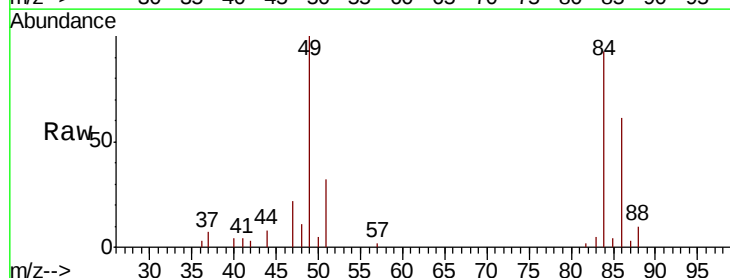
Tgt Ion: 84 Resp: 15799

Ion Ratio Lower Upper

84 100

49 107.7 76.0 141.2

86 65.9 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

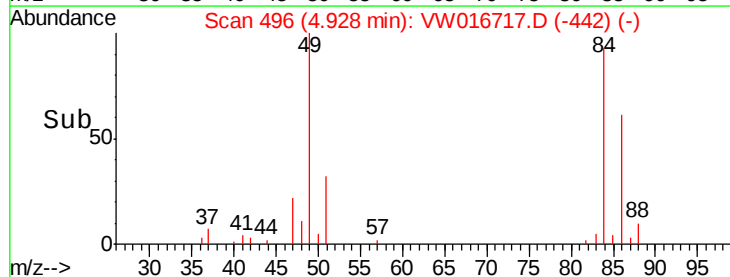
6000

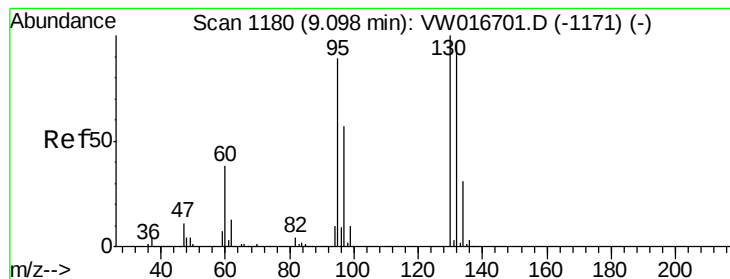
4000

2000

0

Time-->





#35

Trichloroethene

Concen: 2.287 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.26 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

C0AK9

Tot Ion: 95 Resp: 18888

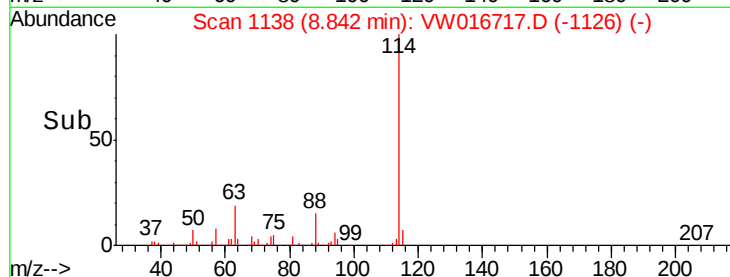
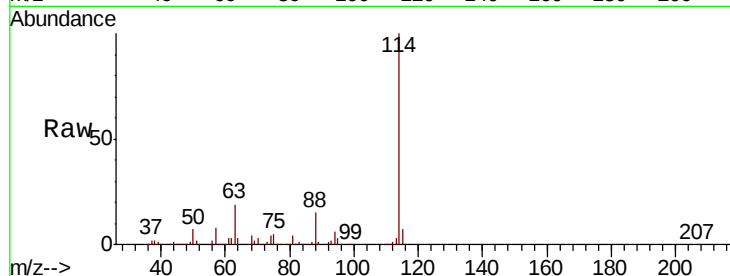
Ion Ratio Lower Upper

95 100

97 0.3 45.2 84.0#

132 0.3 73.3 136.1#

130 0.3 77.5 143.9#

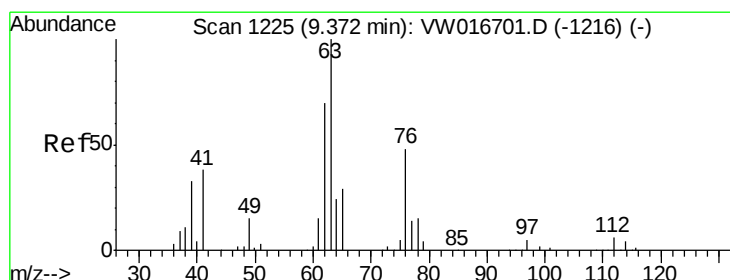
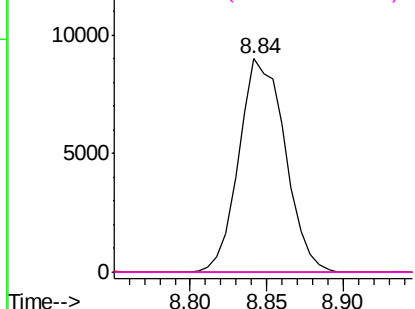


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#40

1,2-Dichloropropane

Concen: 2.993 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016717.D

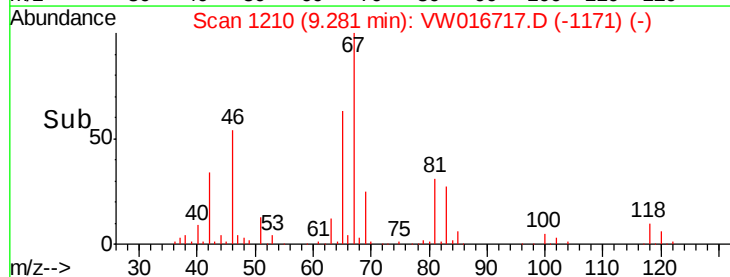
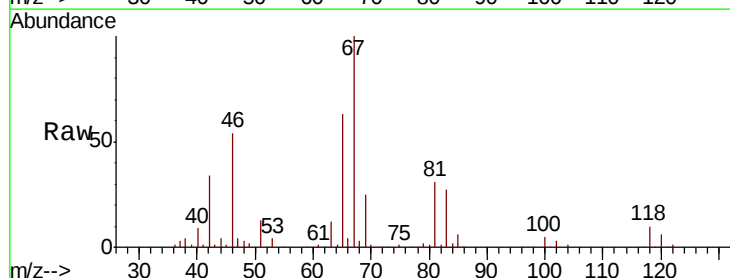
Acq: 30 Sep 2020 17:15

Tgt Ion: 63 Resp: 19866

Ion Ratio Lower Upper

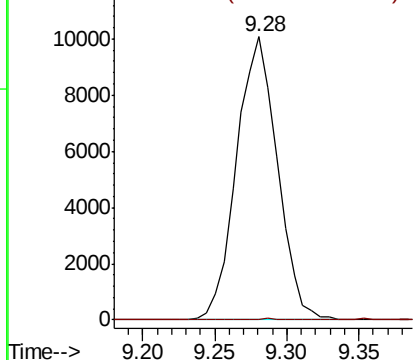
63 100

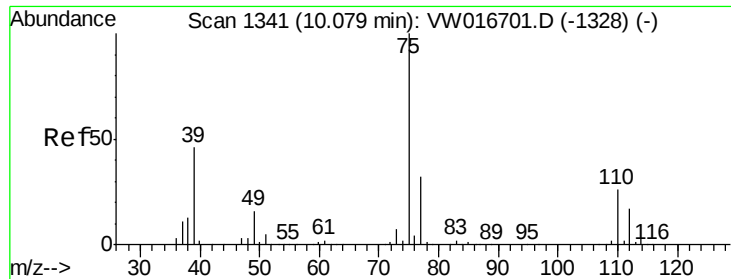
112 0.0 4.5 6.7#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.440 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_W

ClientSampled :

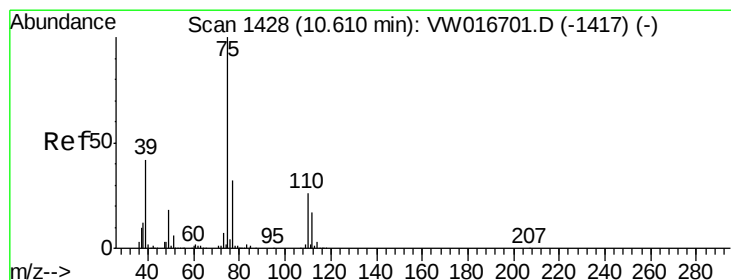
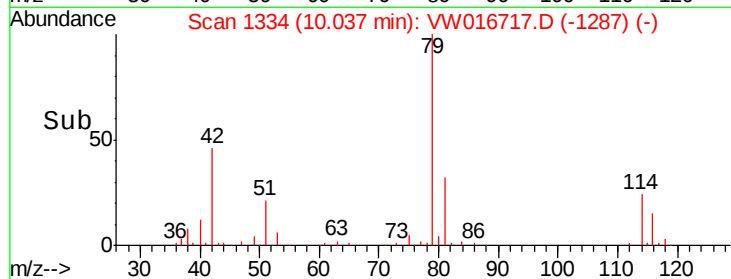
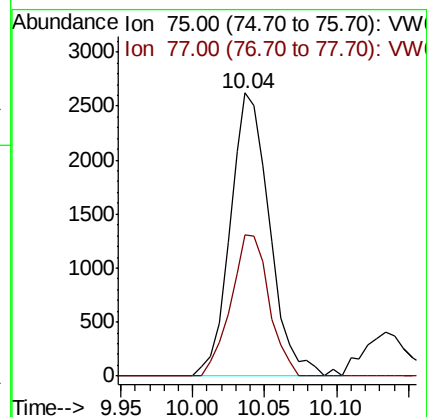
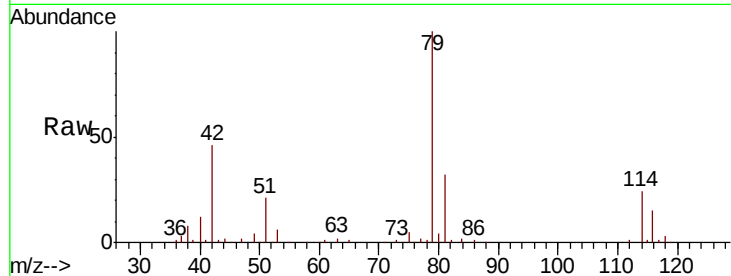
C0AK9

Tot Ion: 75 Resp: 4993

Ion Ratio Lower Upper

75 100

77 50.0 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.282 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016717.D

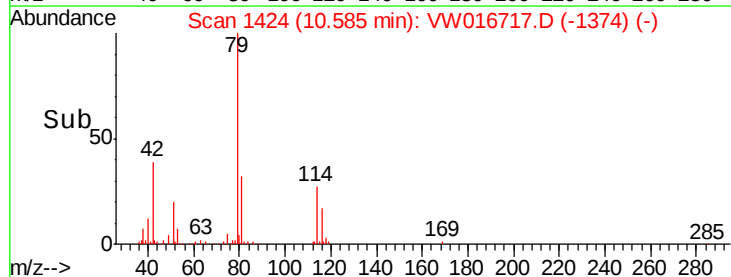
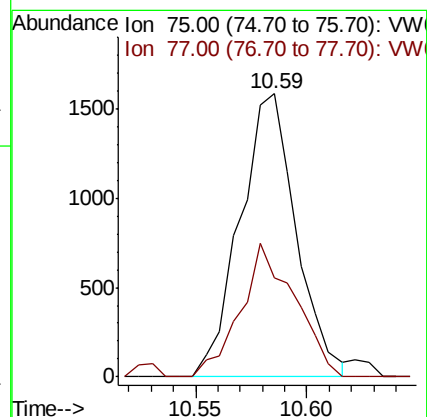
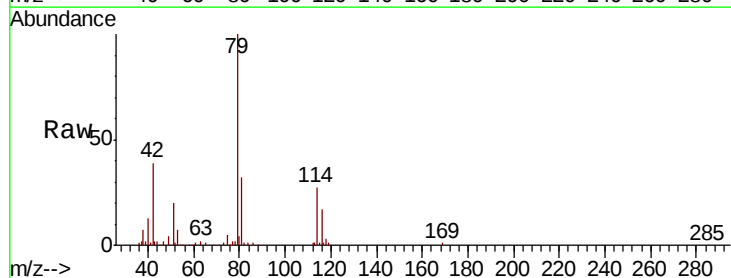
Acq: 30 Sep 2020 17:15

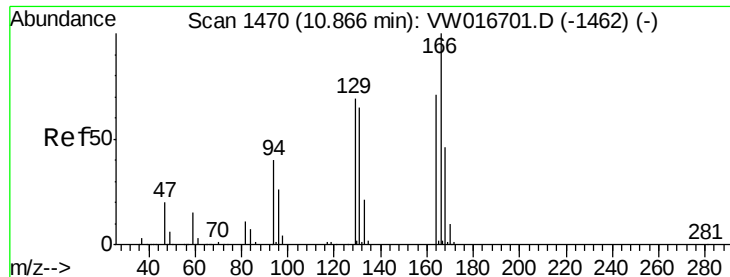
Tgt Ion: 75 Resp: 2783

Ion Ratio Lower Upper

75 100

77 35.0 22.5 41.9





#47

Tetrachloroethene

Concen: 0.271 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

C0AK9

Tot Ion:164 Resp: 2022

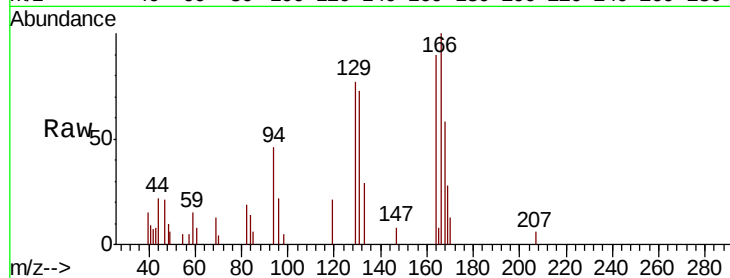
Ion Ratio Lower Upper

164 100

129 85.6 55.6 103.2

131 80.8 57.2 106.2

166 111.1 86.5 160.6

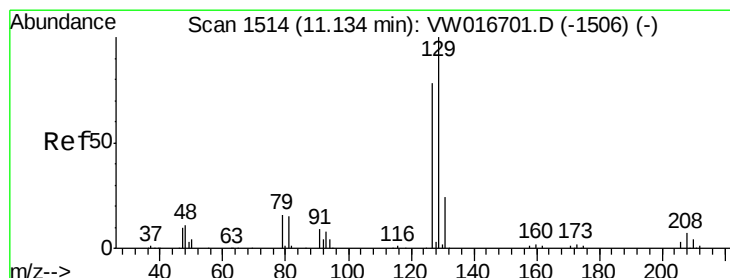
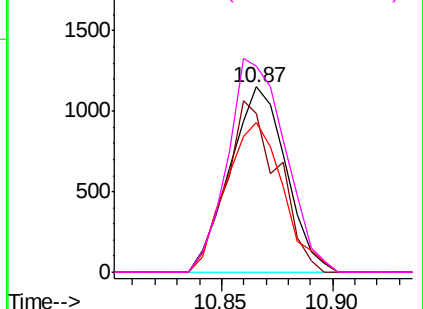
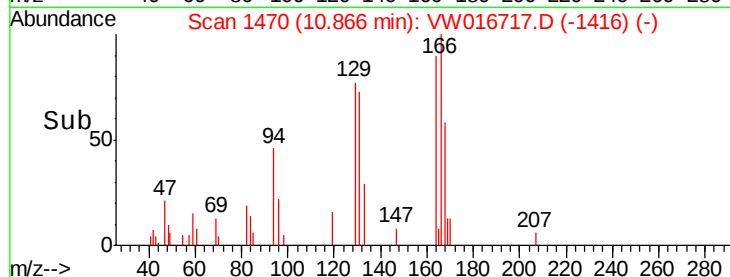


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#50

Dibromochloromethane

Concen: 0.236 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW016717.D

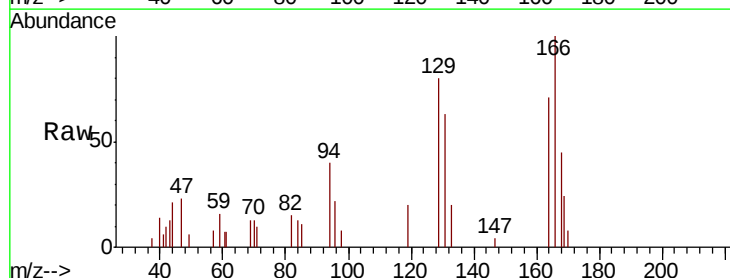
Acq: 30 Sep 2020 17:15

Tgt Ion:129 Resp: 1723

Ion Ratio Lower Upper

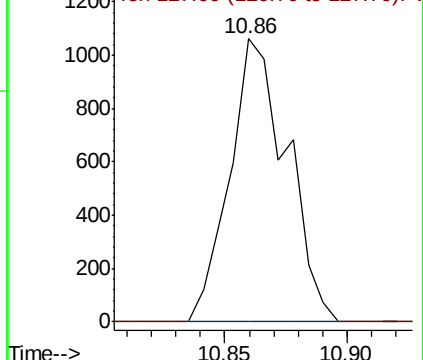
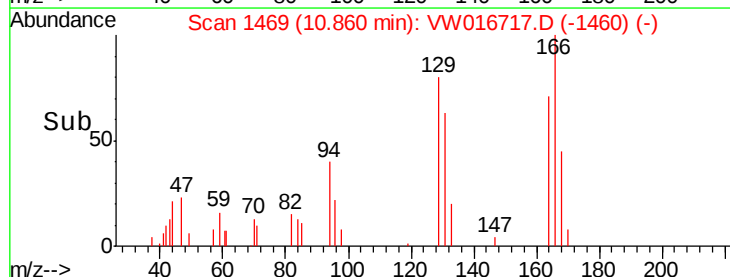
129 100

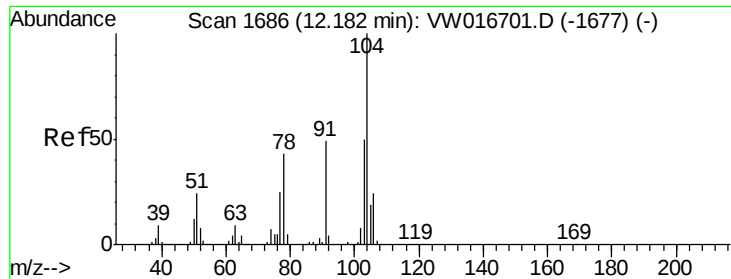
127 0.0 52.4 97.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#56

Stvrene

Concen: 0.378 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

Instrument :

MSVOA_W

ClientSampleId :

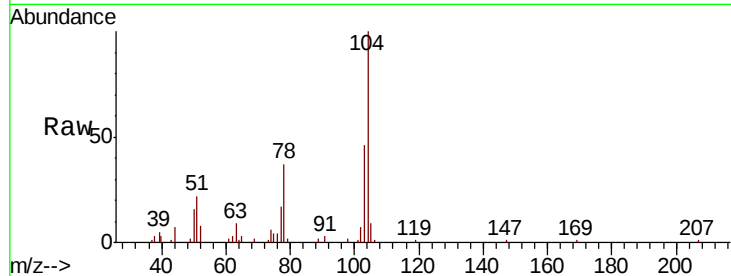
C0AK9

Tot Ion:104 Resp: 8580

Ion Ratio Lower Upper

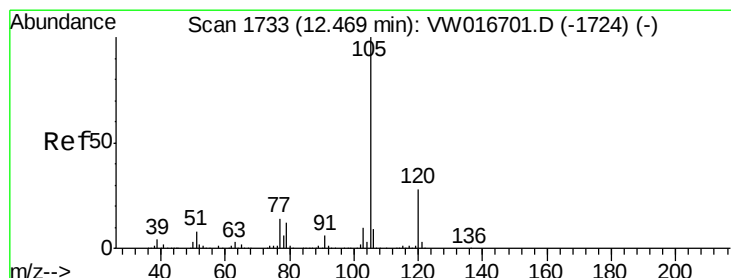
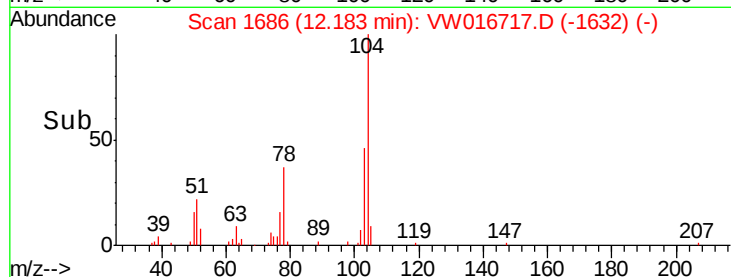
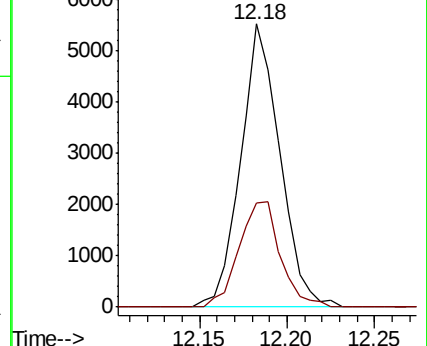
104 100

78 36.7 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 1.163 ug/L

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW016717.D

Acq: 30 Sep 2020 17:15

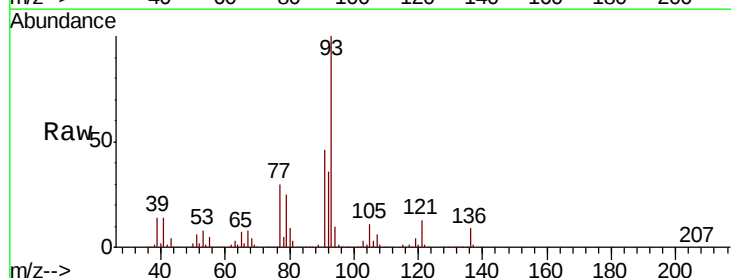
Tgt Ion:105 Resp: 43431

Ion Ratio Lower Upper

105 100

120 6.2 21.8 32.8#

77 260.8 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

