

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016722.D
 Acq On : 30 Sep 2020 19:13
 Operator : SY/VA
 Sample : L4201-10
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AL8

Quant Time: Oct 01 05:08:11 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	79225	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	63006	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	18512	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	13448	17.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.16%
7) Chloroethane-d5	2.90	69	14160	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.48%
10) 1,1-Dichloroethene-d2	4.03	63	22107	12.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.56%
20) 2-Butanone-d5	7.09	46	6564	31.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.80%
24) Chloroform-d	7.65	84	39091	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.31	65	21177	24.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.56%
29) Benzene-d6	8.28	84	72681	25.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.88%
33) 1,2-Dichloropropane-d6	9.28	67	21524	28.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.44%
37) Toluene-d8	10.33	98	61146	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	10.59	79	6076	15.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	62.96%
39) 2-Hexanone-d5	10.93	63	2906	20.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	41.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13561	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	13884	23.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.88%

Target Compounds

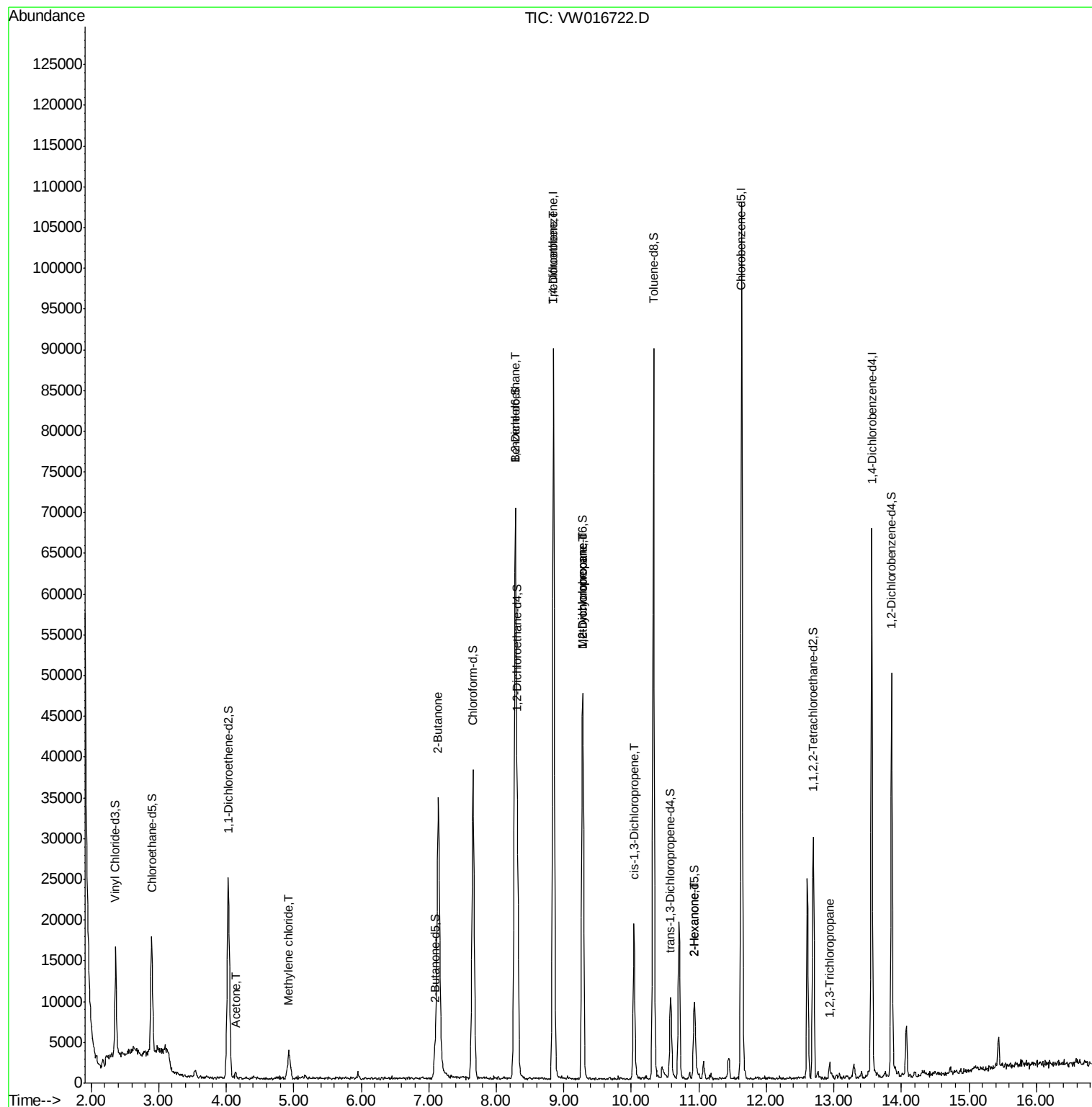
					Ovalue
13) Acetone	4.14	43	371	2.265 ug/L	93
16) Methylene chloride	4.93	84	2726	2.231 ug/L	89
21) 2-Butanone	7.13	43	1052	3.776 ug/L #	58
27) 1,2-Dichloroethane	8.27	62	444	0.386 ug/L #	73
35) Trichloroethene	8.85	95	2609	2.670 ug/L #	2
36) Methylcyclohexane	9.28	83	5891	3.555 ug/L #	20
40) 1,2-Dichloropropane	9.28	63	2703	3.441 ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	565	0.421 ug/L	99
49) 2-Hexanone	10.94	43	586	1.850 ug/L #	77
59) 1,2,3-Trichloropropane	12.94	75	193	0.350 ug/L	94

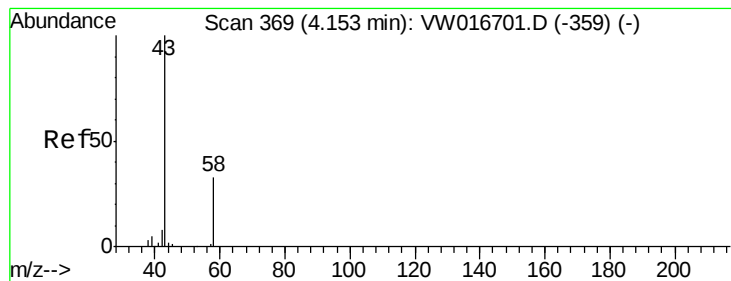
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 05:05:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.265 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

Instrument :

MSVOA_W

ClientSampled :

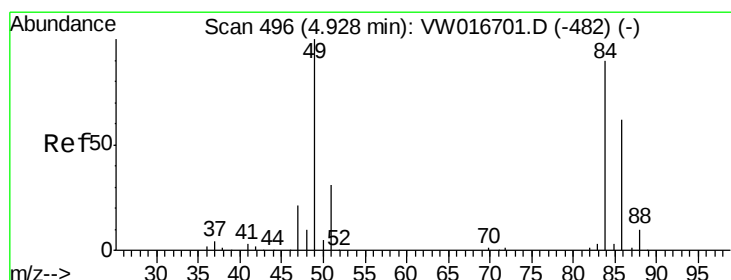
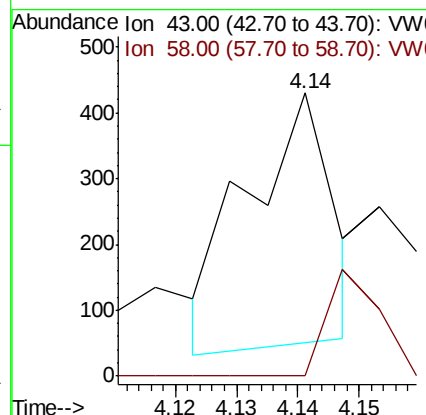
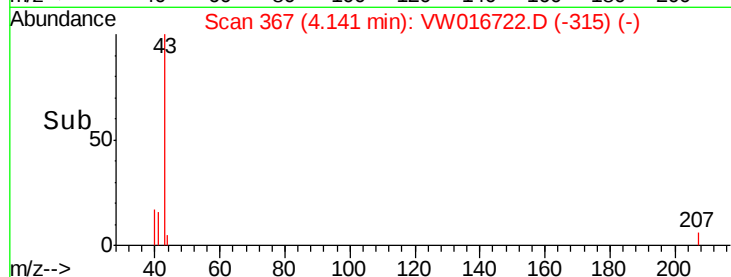
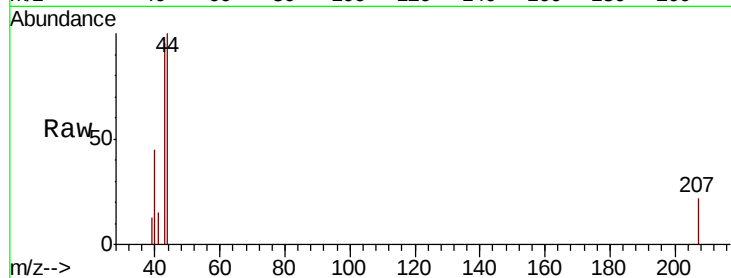
C0AL8

Tot Ion: 43 Resp: 371

Ion Ratio Lower Upper

43 100

58 26.1 0.0 60.2



#16

Methylene chloride

Concen: 2.231 ug/L

RT: 4.93 min Scan# 496

Delta R.T. -0.00 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

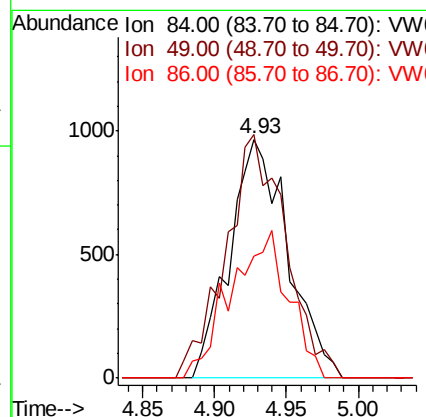
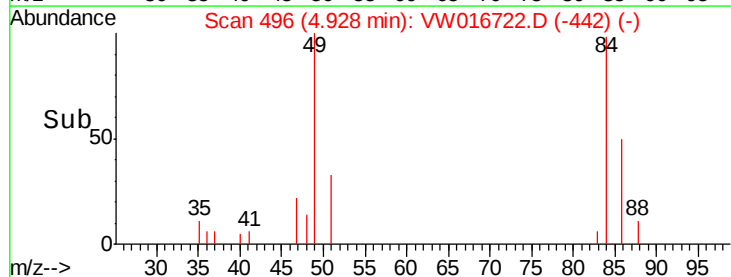
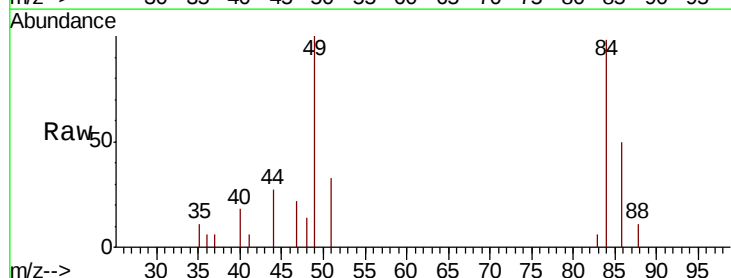
Tgt Ion: 84 Resp: 2726

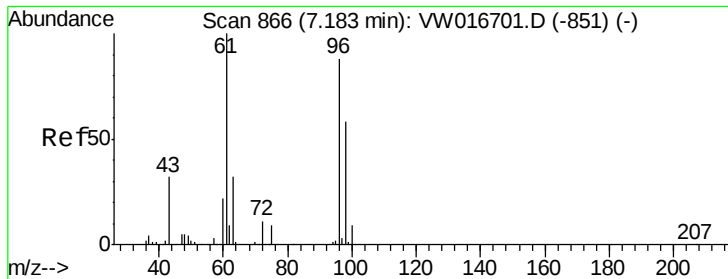
Ion Ratio Lower Upper

84 100

49 101.9 76.0 141.2

86 51.1 45.6 84.6





#21

2-Butanone

Concen: 3.776 ug/L

RT: 7.13 min Scan# 858

Delta R.T. -0.05 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

Instrument :

MSVOA_W

ClientSampleId :

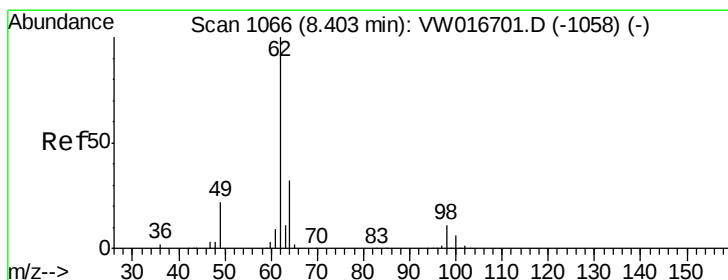
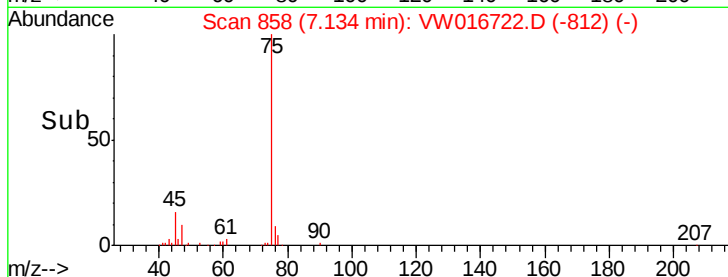
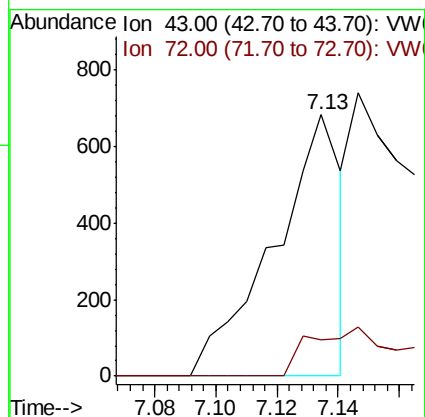
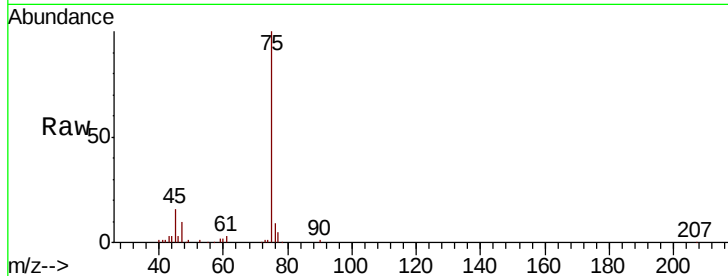
C0AL8

Tot Ion: 43 Resp: 1052

Ion Ratio Lower Upper

43 100

72 6.9 14.6 43.8#



#27

1,2-Dichloroethane

Concen: 0.386 ug/L

RT: 8.27 min Scan# 1045

Delta R.T. -0.13 min

Lab File: VW016722.D

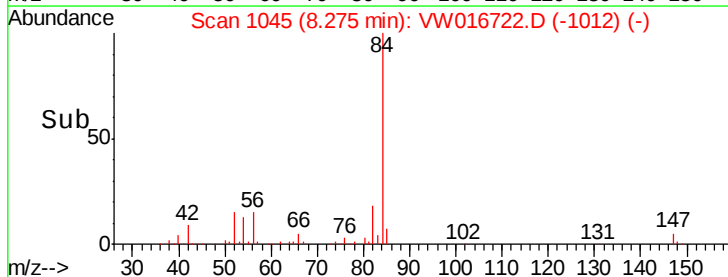
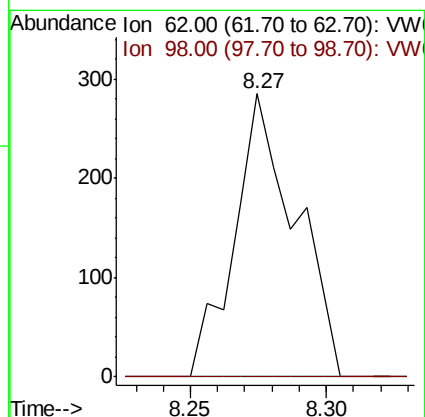
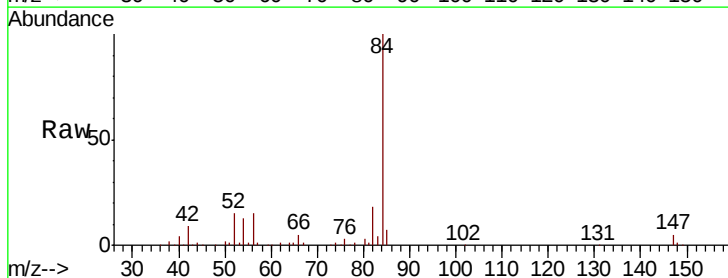
Acq: 30 Sep 2020 19:13

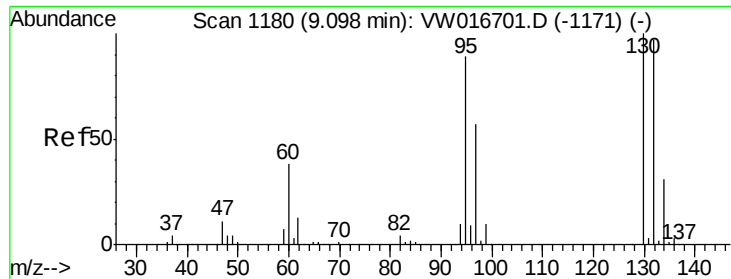
Tgt Ion: 62 Resp: 444

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#





#35

Trichloroethene

Concen: 2.670 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.25 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

Instrument :

MSVOA_W

ClientSampleId :

C0AL8

Tot Ion: 95 Resp: 2609

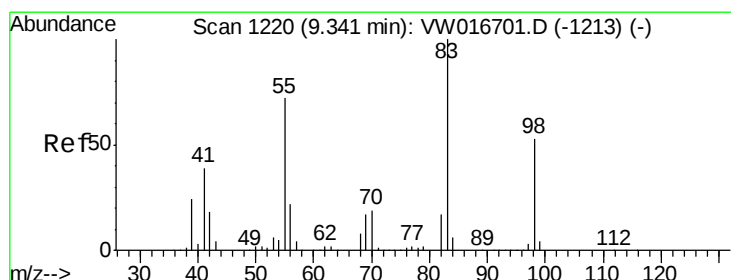
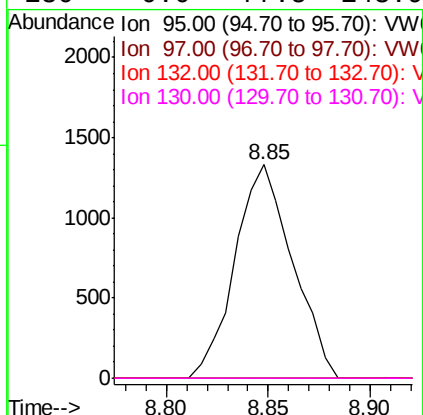
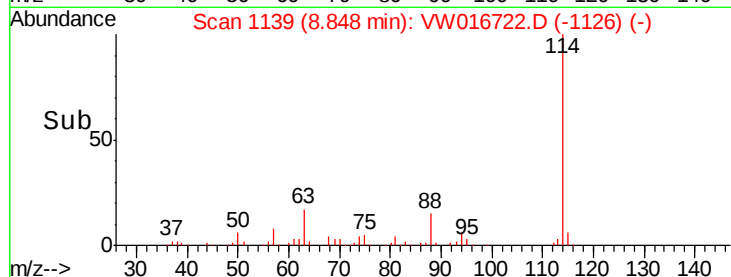
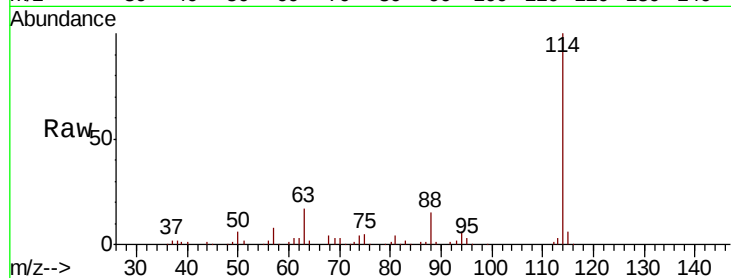
Ion Ratio Lower Upper

95 100

97 0.0 45.2 84.0#

132 0.0 73.3 136.1#

130 0.0 77.5 143.9#



#36

Methylcyclohexane

Concen: 3.555 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.06 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

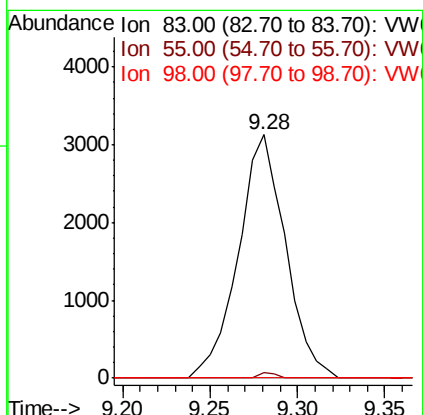
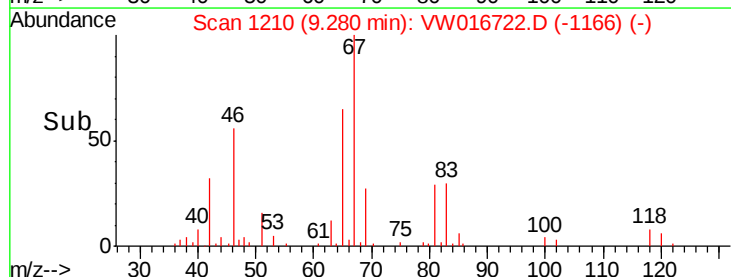
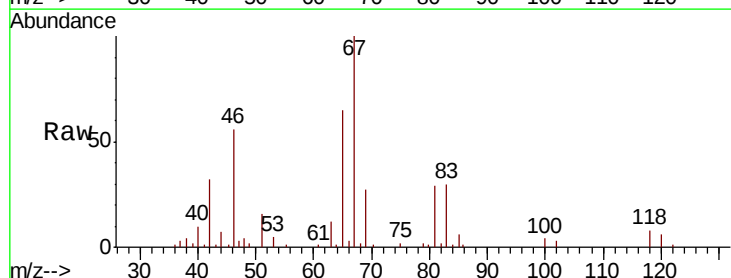
Tgt Ion: 83 Resp: 5891

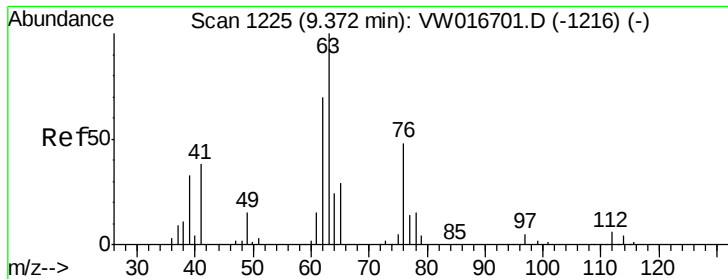
Ion Ratio Lower Upper

83 100

55 0.8 55.9 83.9#

98 0.0 42.1 63.1#





#40

1,2-Dichloropropane

Concen: 3.441 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

Instrument :

MSVOA_W

ClientSampled :

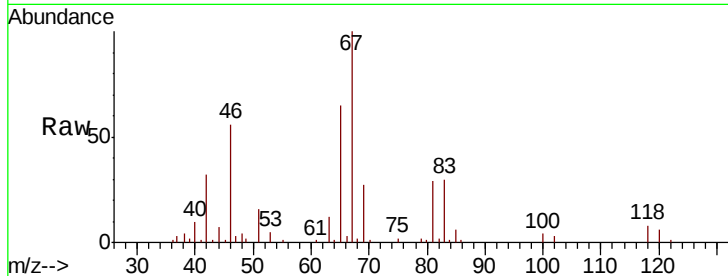
C0AL8

Tot Ion: 63 Resp: 2703

Ion Ratio Lower Upper

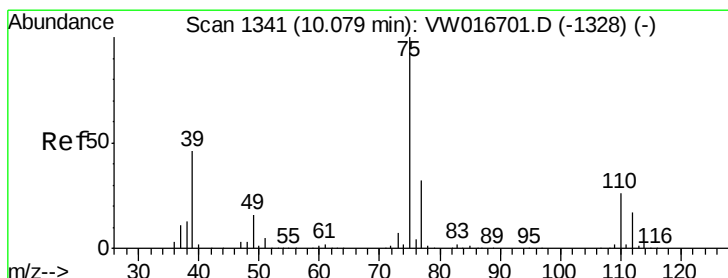
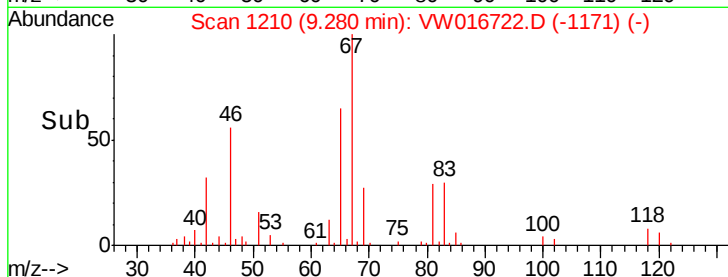
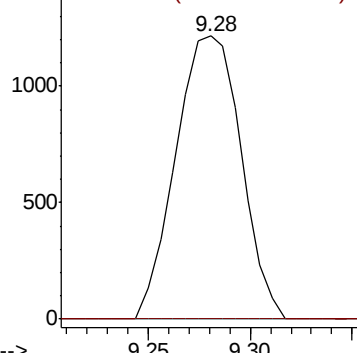
63 100

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: 0.421 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016722.D

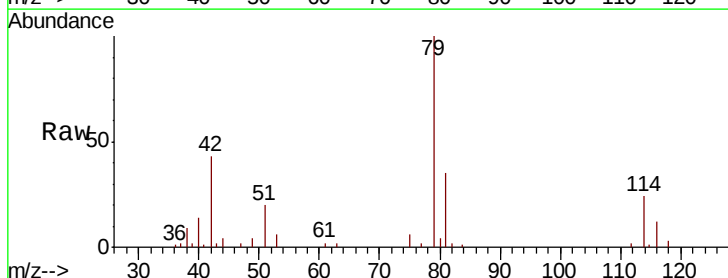
Acq: 30 Sep 2020 19:13

Tgt Ion: 75 Resp: 565

Ion Ratio Lower Upper

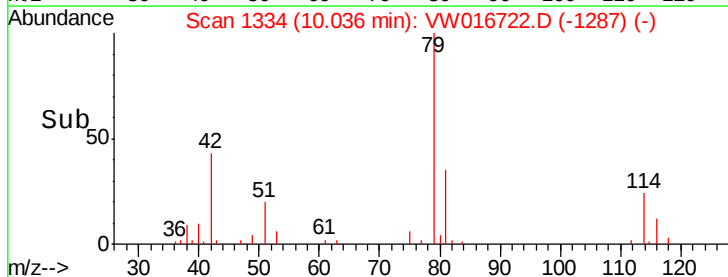
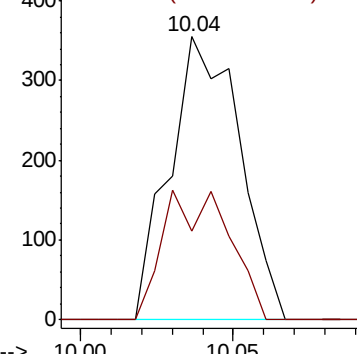
75 100

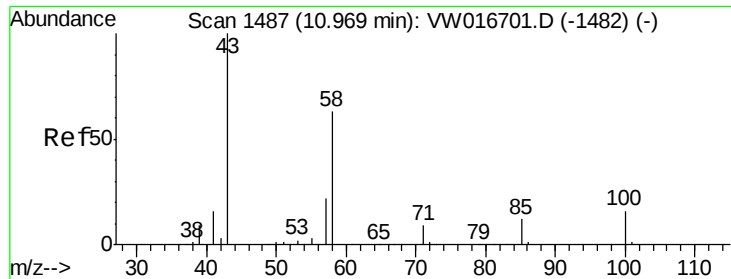
77 31.3 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#49

2-Hexanone

Concen: 1.850 ug/L

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

Instrument :

MSVOA_W

ClientSampled :

COAL8

Tot Ion: 43 Resp: 586

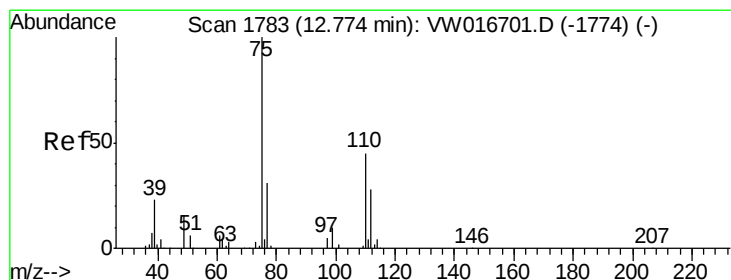
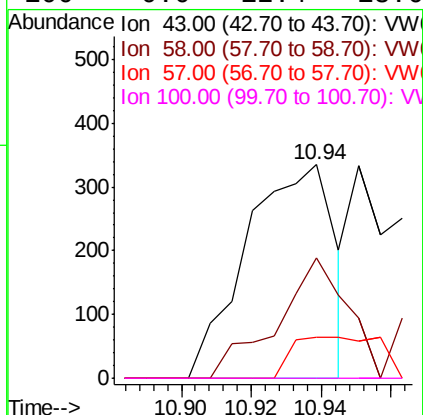
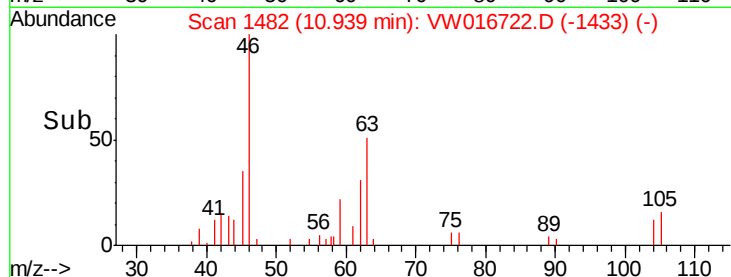
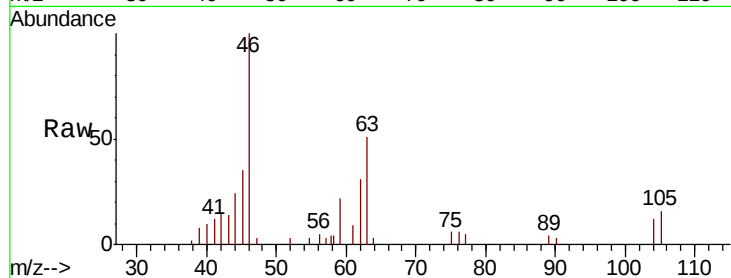
Ion Ratio Lower Upper

43 100

58 38.2 44.2 66.2#

57 15.5 16.3 24.5#

100 0.0 12.4 18.6#



#59

1,2,3-Trichloropropane

Concen: 0.350 ug/L

RT: 12.94 min Scan# 1810

Delta R.T. 0.16 min

Lab File: VW016722.D

Acq: 30 Sep 2020 19:13

Tgt Ion: 75 Resp: 193

Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.4

