

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100720\
 Data File : VW016810.D
 Acq On : 06 Oct 2020 22:19
 Operator : SY/VA
 Sample : L4235-16
 Misc : 4.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AQ2

Quant Time: Oct 07 03:14:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 07 03:05:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	478099	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337281	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	94605	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	142985	30.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.28%
7) Chloroethane-d5	2.90	69	126507	31.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.88%
10) 1,1-Dichloroethene-d2	4.03	63	206341	20.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.40%
20) 2-Butanone-d5	7.09	46	37112	34.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.48%
24) Chloroform-d	7.65	84	268145	26.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.32%
26) 1,2-Dichloroethane-d4	8.31	65	138318	28.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.56%
29) Benzene-d6	8.28	84	552985	36.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	144.40%#
33) 1,2-Dichloropropane-d6	9.28	67	150678	36.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	146.40%#
37) Toluene-d8	10.33	98	454094	31.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	125.68%
38) trans-1,3-Dichloropropene-	10.59	79	40337	22.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.88%
39) 2-Hexanone-d5	10.93	63	29639	46.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.12%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84709	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	81349	27.11	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.44%

Target Compounds

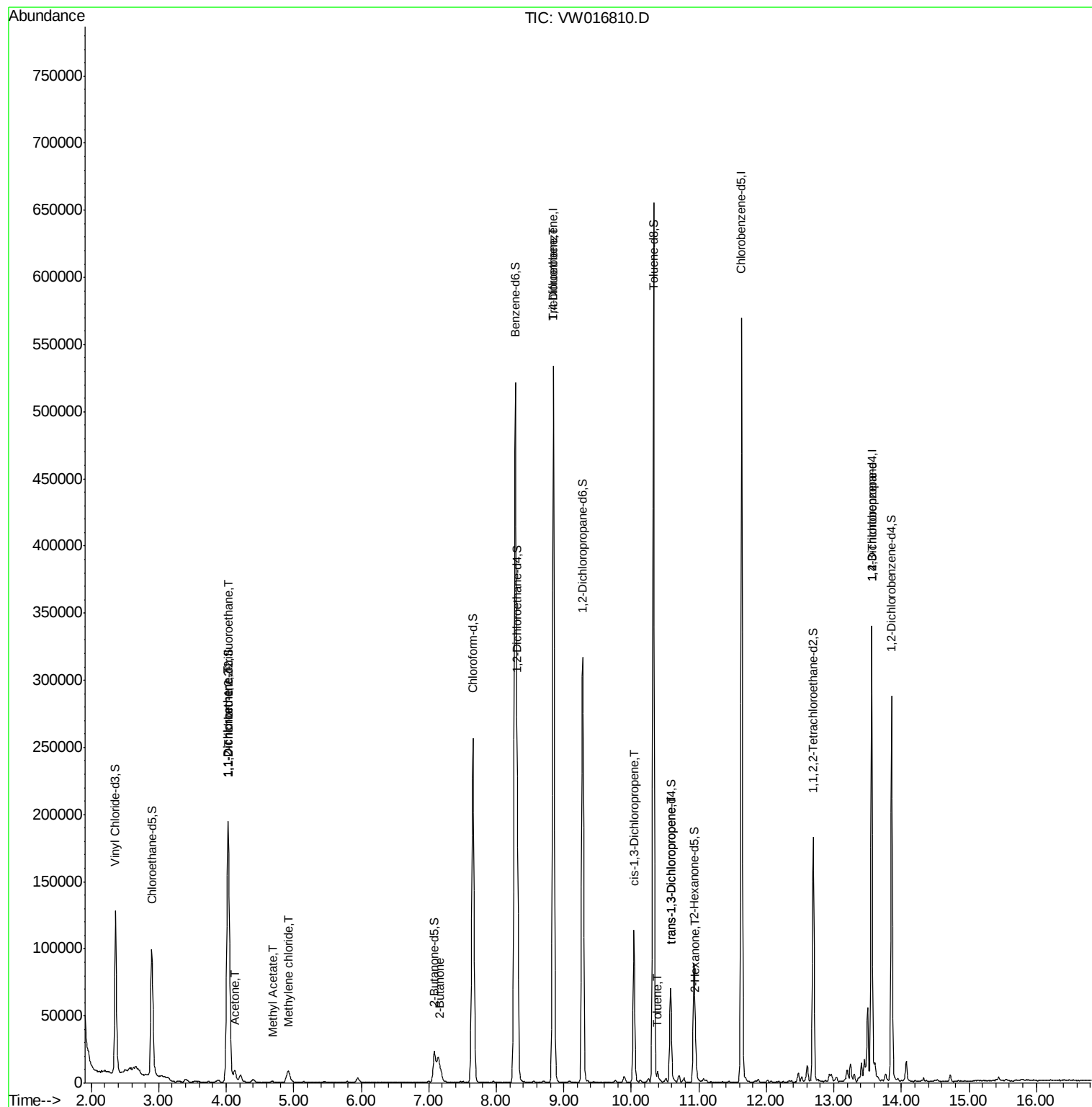
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.03	101	2223	0.345	ug/L #	17
12) 1,1-Dichloroethene	4.02	96	1826	0.295	ug/L #	1
13) Acetone	4.13	43	15161	18.753	ug/L	97
15) Methyl Acetate	4.68	43	674	0.349	ug/L #	67
16) Methylene chloride	4.93	84	5965	0.904	ug/L	98
21) 2-Butanone	7.16	43	8393	6.184	ug/L	93
35) Trichloroethene	8.85	95	13747	2.683	ug/L #	2
42) cis-1,3-Dichloropropene	10.04	75	3308	0.507	ug/L #	72
44) Toluene	10.39	91	5259	0.262	ug/L	99
45) trans-1,3-Dichloropropene	10.58	75	1931	0.351	ug/L #	74
49) 2-Hexanone	10.96	43	13180	9.684	ug/L #	38
59) 1,2,3-Trichloropropane	13.56	75	10379	3.894	ug/L	92

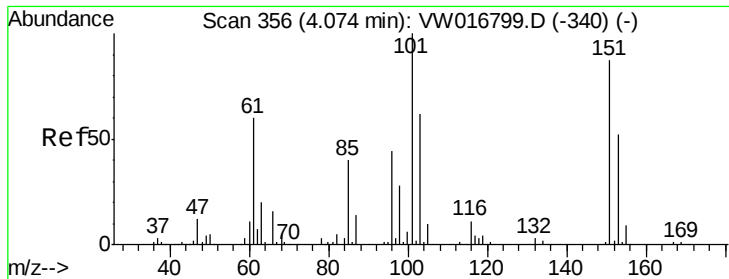
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 03:14:56 2020
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Quant Title : VOC Analysis
QLast Update : Wed Oct 07 03:05:19 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.345 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.04 min

Lab File: VW016810.D

Acq: 06 Oct 2020 22:19

Instrument :

MSVOA_W

ClientSampleId :

C0AQ2

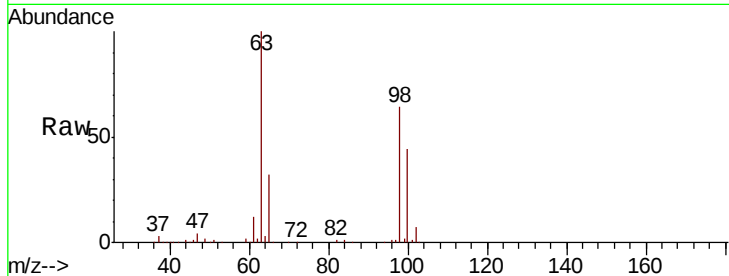
Tot Ion: 101 Resp: 2223

Ion Ratio Lower Upper

101 100

85 0.0 31.7 47.5#

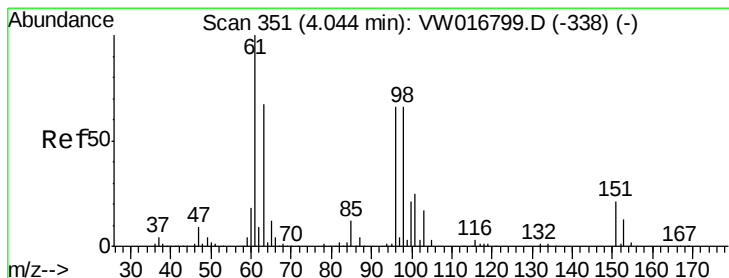
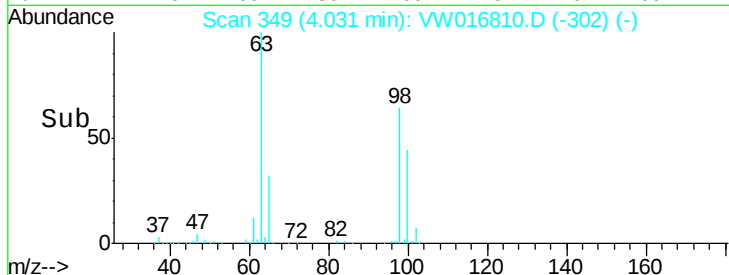
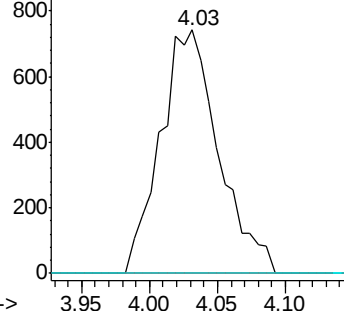
151 0.0 66.6 99.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.295 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW016810.D

Acq: 06 Oct 2020 22:19

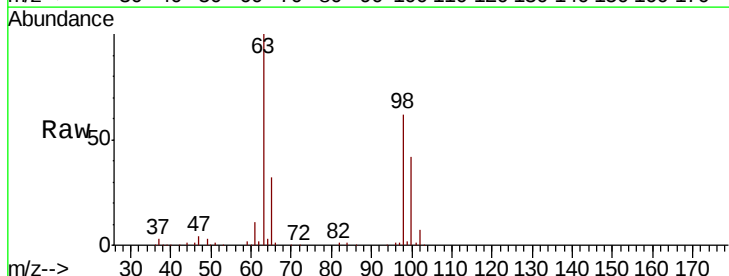
Tgt Ion: 96 Resp: 1826

Ion Ratio Lower Upper

96 100

61 1084.4 105.1 195.1#

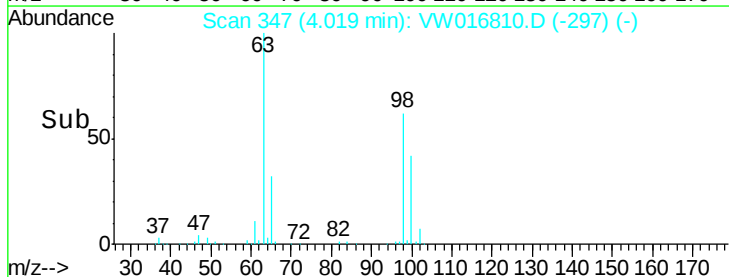
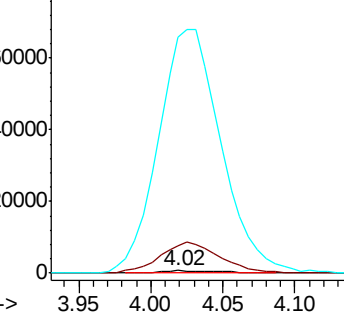
63 9456.7 69.9 129.7#

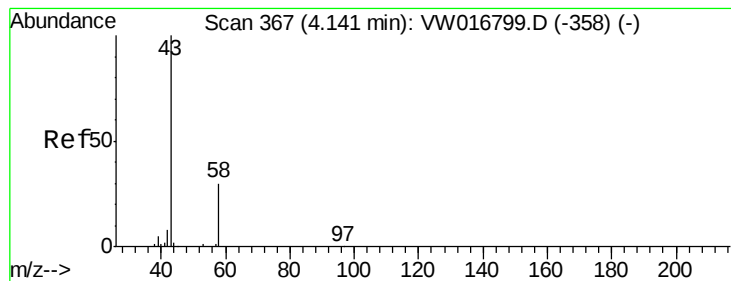


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 18.753 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016810.D

Acq: 06 Oct 2020 22:19

Instrument :

MSVOA_W

ClientSampled :

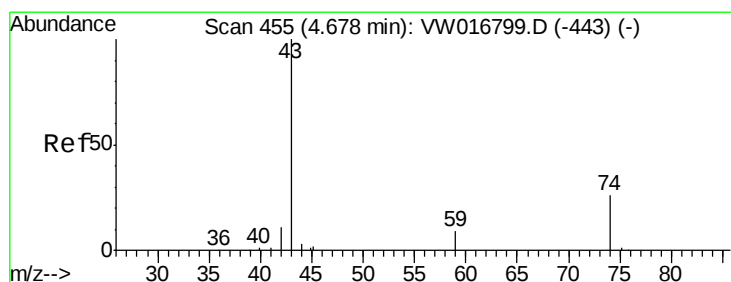
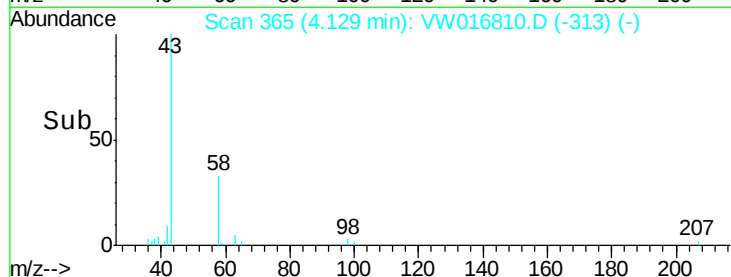
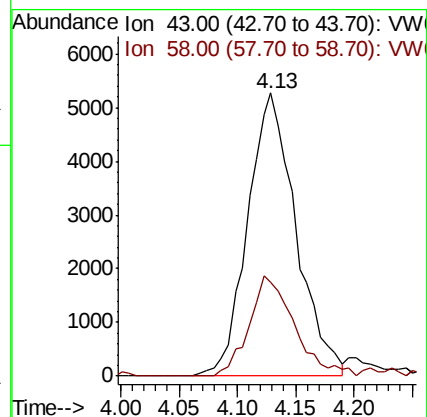
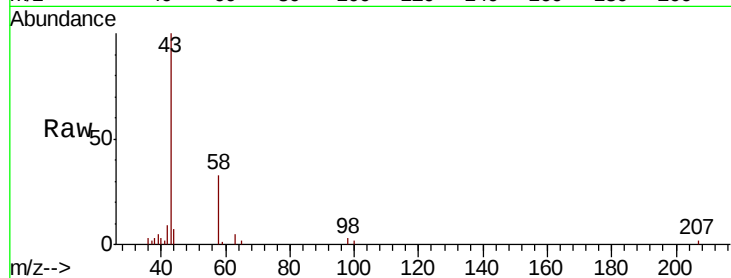
C0AQ2

Tot Ion: 43 Resp: 15161

Ion Ratio Lower Upper

43 100

58 31.8 0.0 67.6



#15

Methyl Acetate

Concen: 0.349 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW016810.D

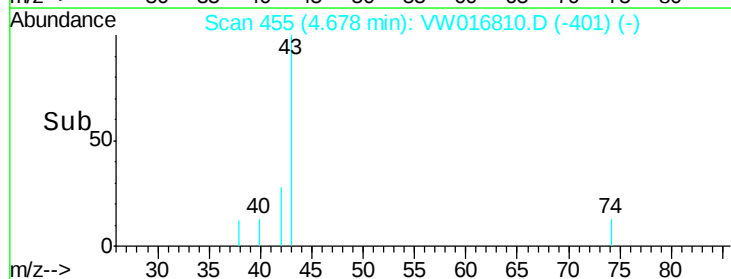
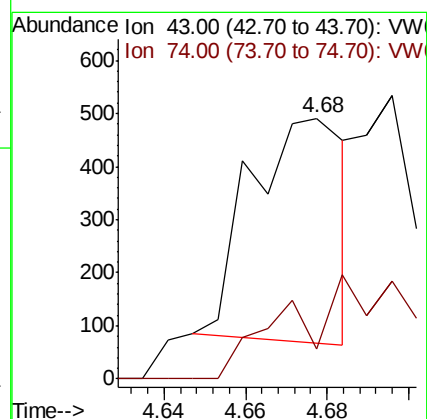
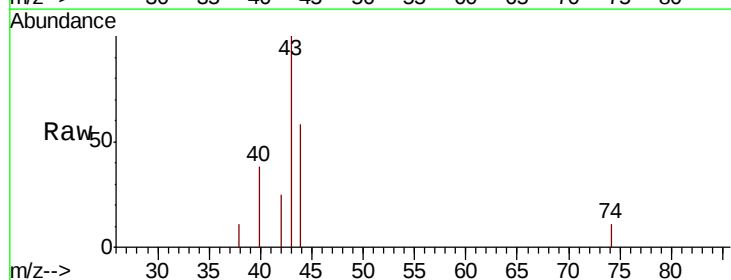
Acq: 06 Oct 2020 22:19

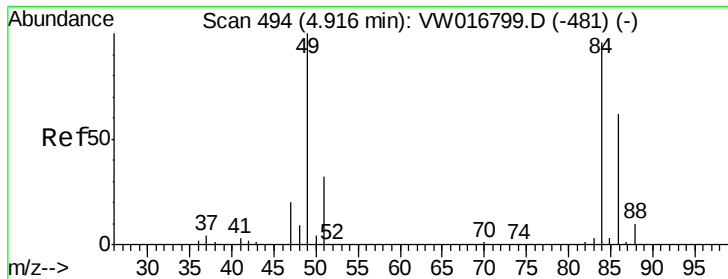
Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

74 11.1 22.7 34.1#

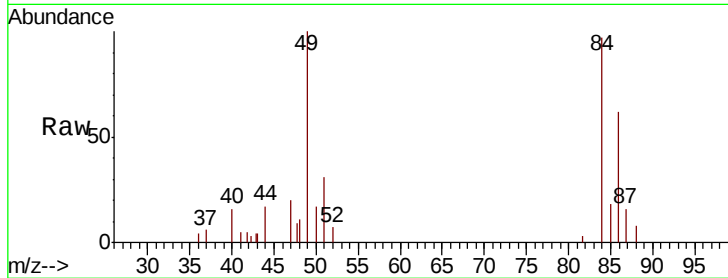




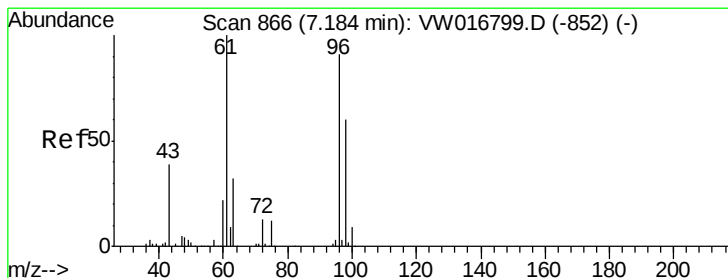
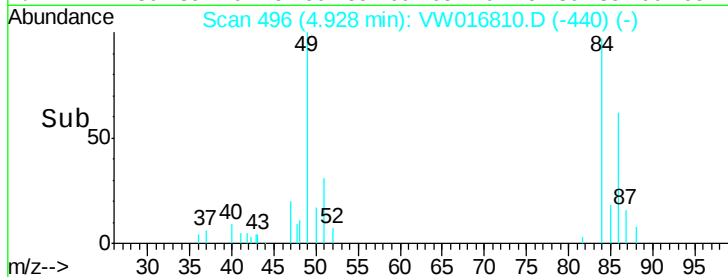
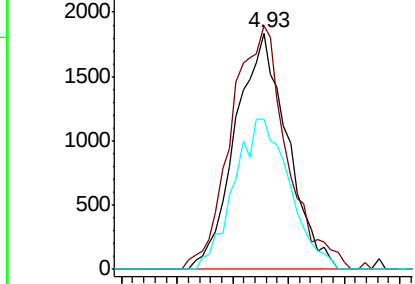
#16
Methylene chloride
Concen: 0.904 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016810.D
Acq: 06 Oct 2020 22:19

Instrument :
MSVOA_W
ClientSampleId :
C0AQ2

Tot Ion: 84 Resp: 5965
Ion Ratio Lower Upper
84 100
49 103.1 73.1 135.8
86 63.8 46.0 85.4

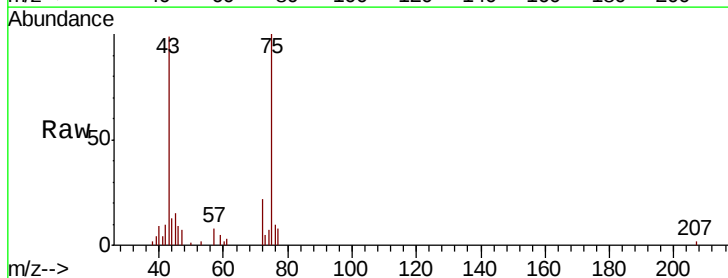


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

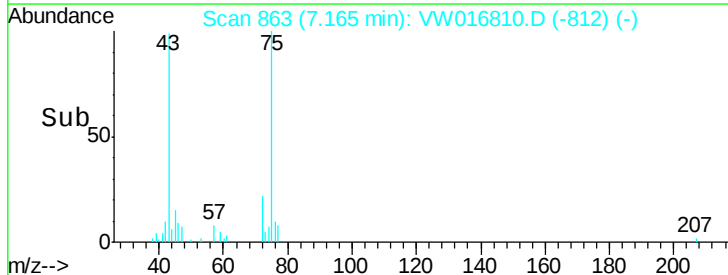
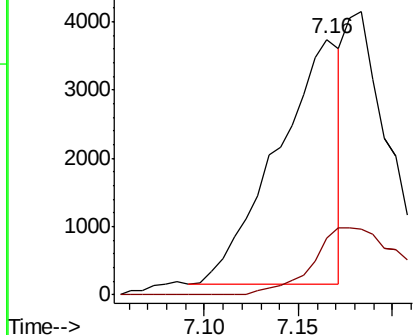


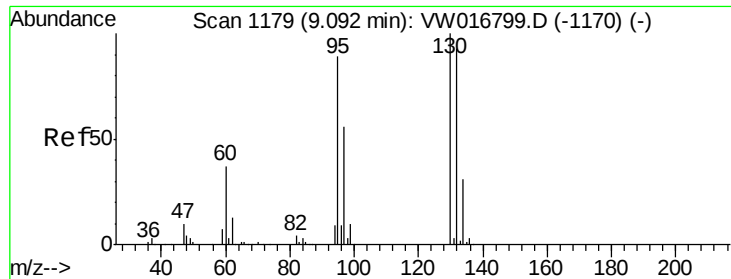
#21
2-Butanone
Concen: 6.184 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.02 min
Lab File: VW016810.D
Acq: 06 Oct 2020 22:19

Tgt Ion: 43 Resp: 8393
Ion Ratio Lower Upper
43 100
72 36.2 16.2 48.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#35

Trichloroethene

Concen: 2.683 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW016810.D

Acq: 06 Oct 2020 22:19

Instrument :

MSVOA_W

ClientSampleId :

C0AQ2

Tot Ion: 95 Resp: 13747

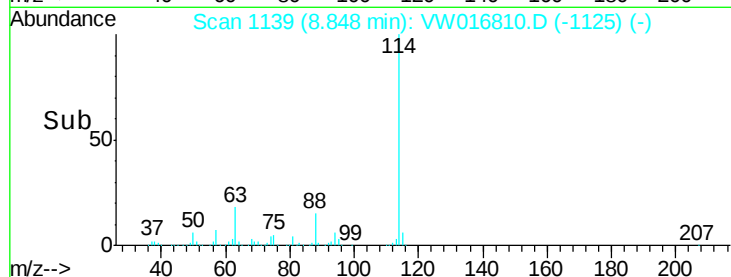
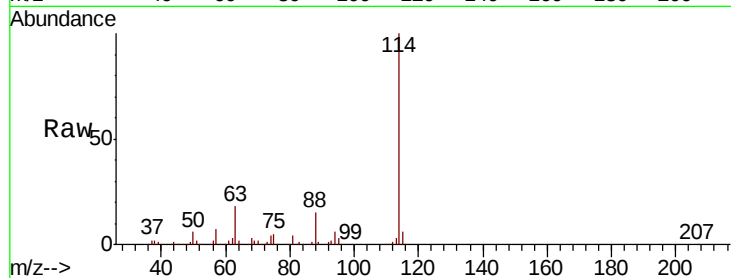
Ion Ratio Lower Upper

95 100

97 0.0 44.7 83.1#

132 0.0 73.8 137.2#

130 0.0 77.1 143.3#

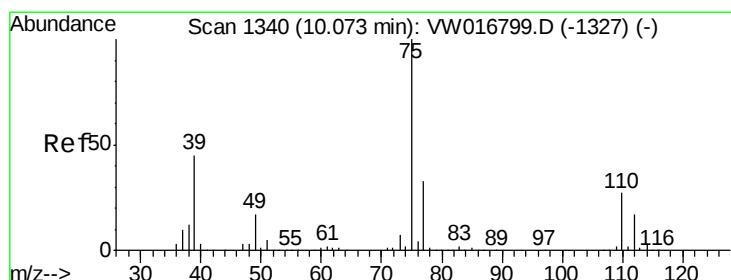
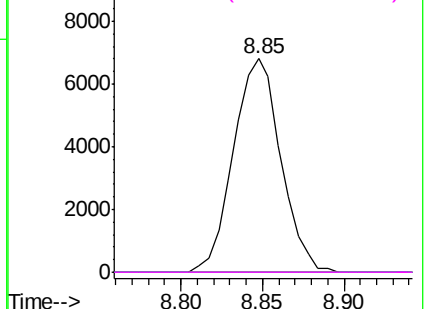


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#42

cis-1,3-Dichloropropene

Concen: 0.507 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016810.D

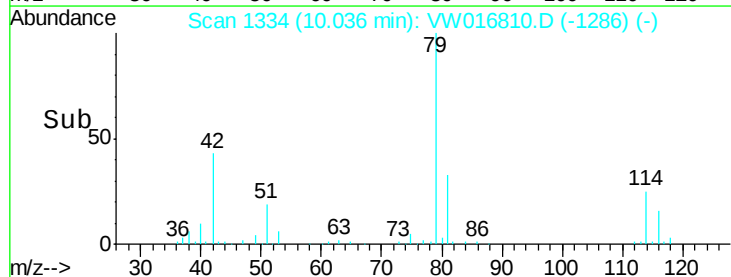
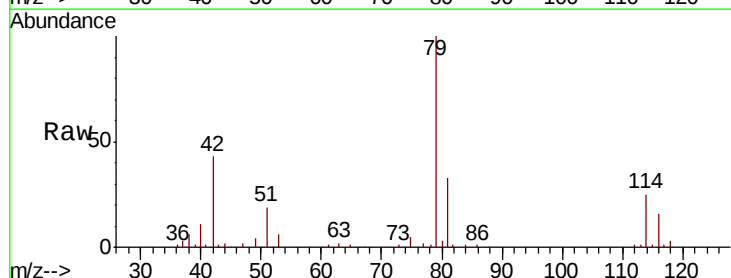
Acq: 06 Oct 2020 22:19

Tgt Ion: 75 Resp: 3308

Ion Ratio Lower Upper

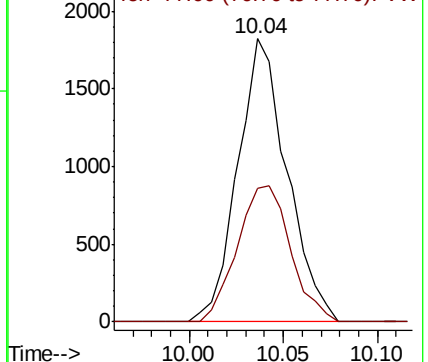
75 100

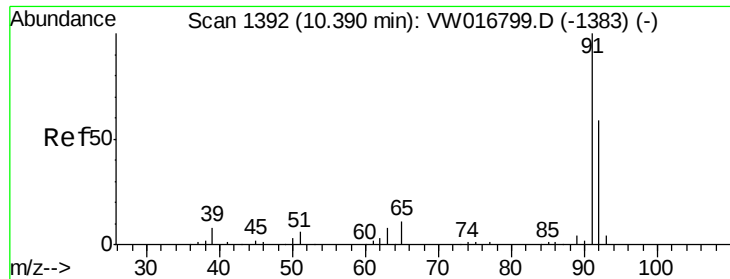
77 47.2 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#44

Toluene

Concen: 0.262 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016810.D

Acq: 06 Oct 2020 22:19

Instrument :

MSVOA_W

ClientSampled :

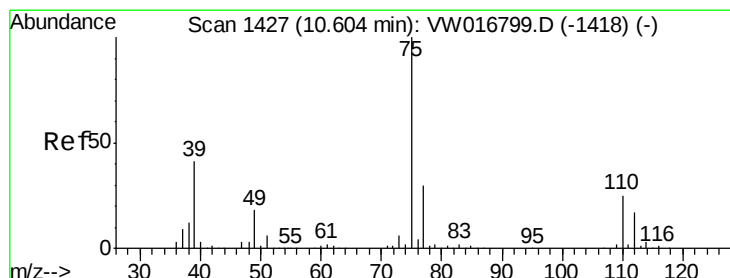
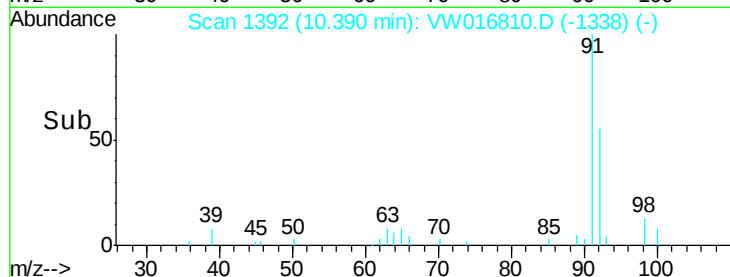
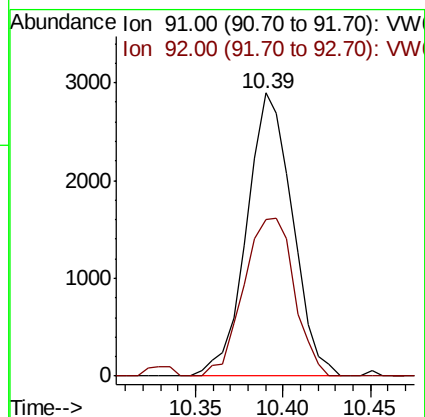
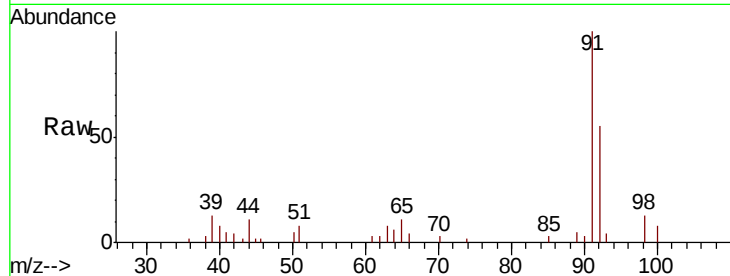
C0AQ2

Tot Ion: 91 Resp: 5259

Ion Ratio Lower Upper

91 100

92 55.4 39.4 73.2



#45

trans-1,3-Dichloropropene

Concen: 0.351 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW016810.D

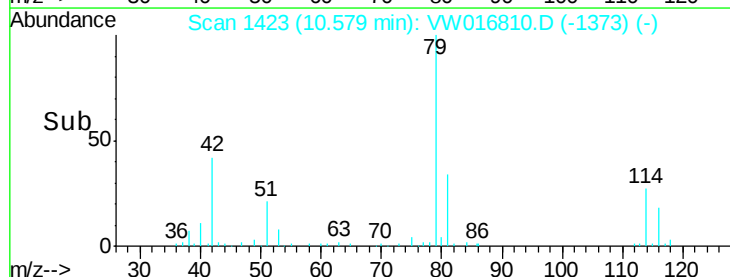
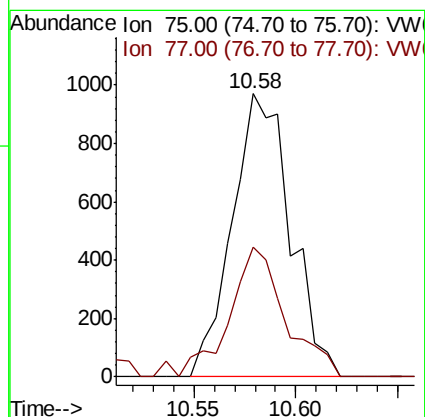
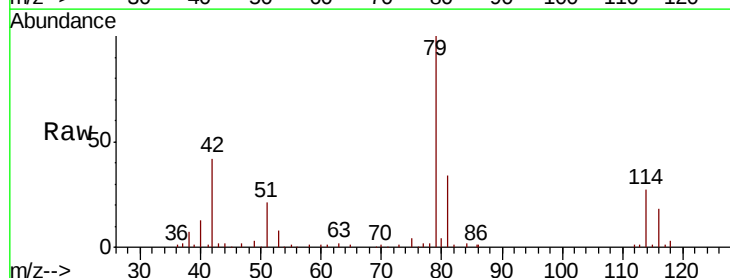
Acq: 06 Oct 2020 22:19

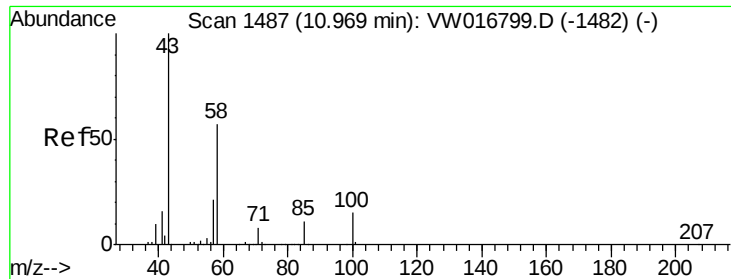
Tgt Ion: 75 Resp: 1931

Ion Ratio Lower Upper

75 100

77 45.9 22.2 41.2#





#49

2-Hexanone

Concen: 9.684 ug/L

RT: 10.96 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VW016810.D

Acq: 06 Oct 2020 22:19

Instrument :

MSVOA_W

ClientSampleId :

C0AQ2

Tot Ion: 43 Resp: 13180

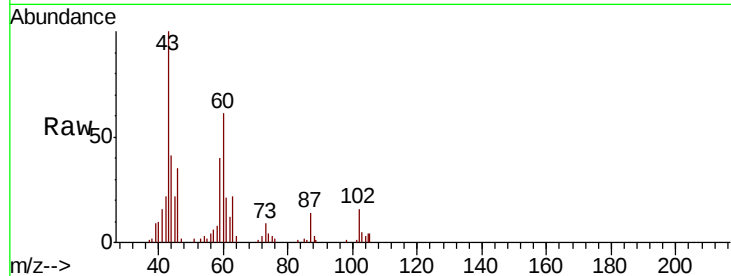
Ion Ratio Lower Upper

43 100

58 3.2 47.1 70.7#

57 0.2 16.2 24.4#

100 0.0 13.3 19.9#

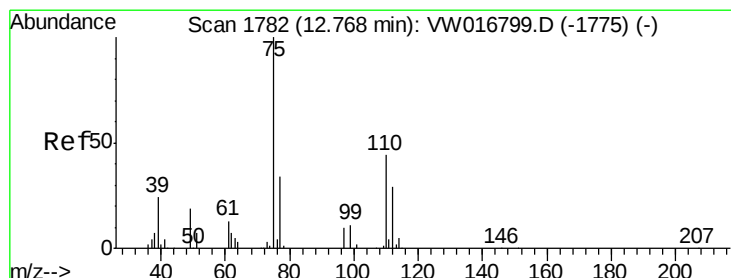
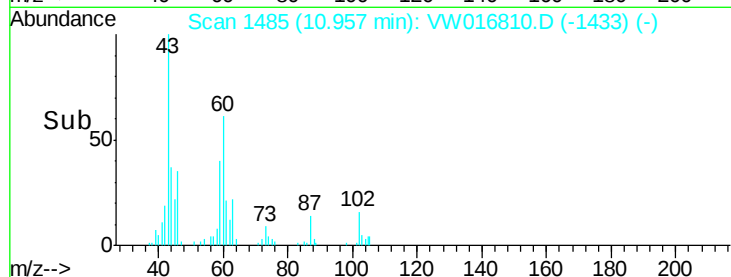
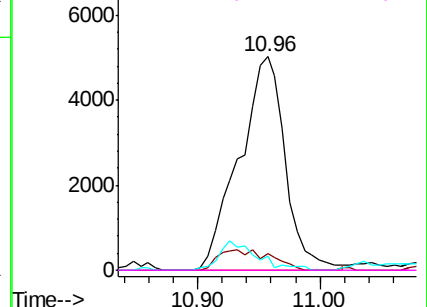


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#59

1,2,3-Trichloropropane

Concen: 3.894 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016810.D

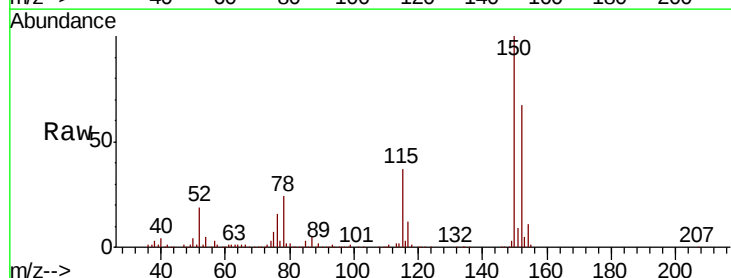
Acq: 06 Oct 2020 22:19

Tgt Ion: 75 Resp: 10379

Ion Ratio Lower Upper

75 100

77 37.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

