

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016337.D
 Acq On : 24 Aug 2020 17:52
 Operator : SY/VA
 Sample : L3789-11
 Misc : 6.16G/10ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWQ8

Quant Time: Aug 25 05:30:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 05:29:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	321539	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	293526	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	123445	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	55102	16.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.20%
7) Chloroethane-d5	2.89	69	48054	18.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.76%
10) 1,1-Dichloroethene-d2	4.01	63	107333	13.16	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.64%
20) 2-Butanone-d5	7.07	46	47195	48.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.68%
24) Chloroform-d	7.65	84	180228	21.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	8.31	65	96948	22.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.76%
29) Benzene-d6	8.27	84	329500	20.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.44%
33) 1,2-Dichloropropane-d6	9.27	67	98511	21.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.88%
37) Toluene-d8	10.32	98	304768	19.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.84%
38) trans-1,3-Dichloropropene-	10.58	79	45278	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.76%
39) 2-Hexanone-d5	10.93	63	42573	58.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93824	24.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	110226	23.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.16%

Target Compounds

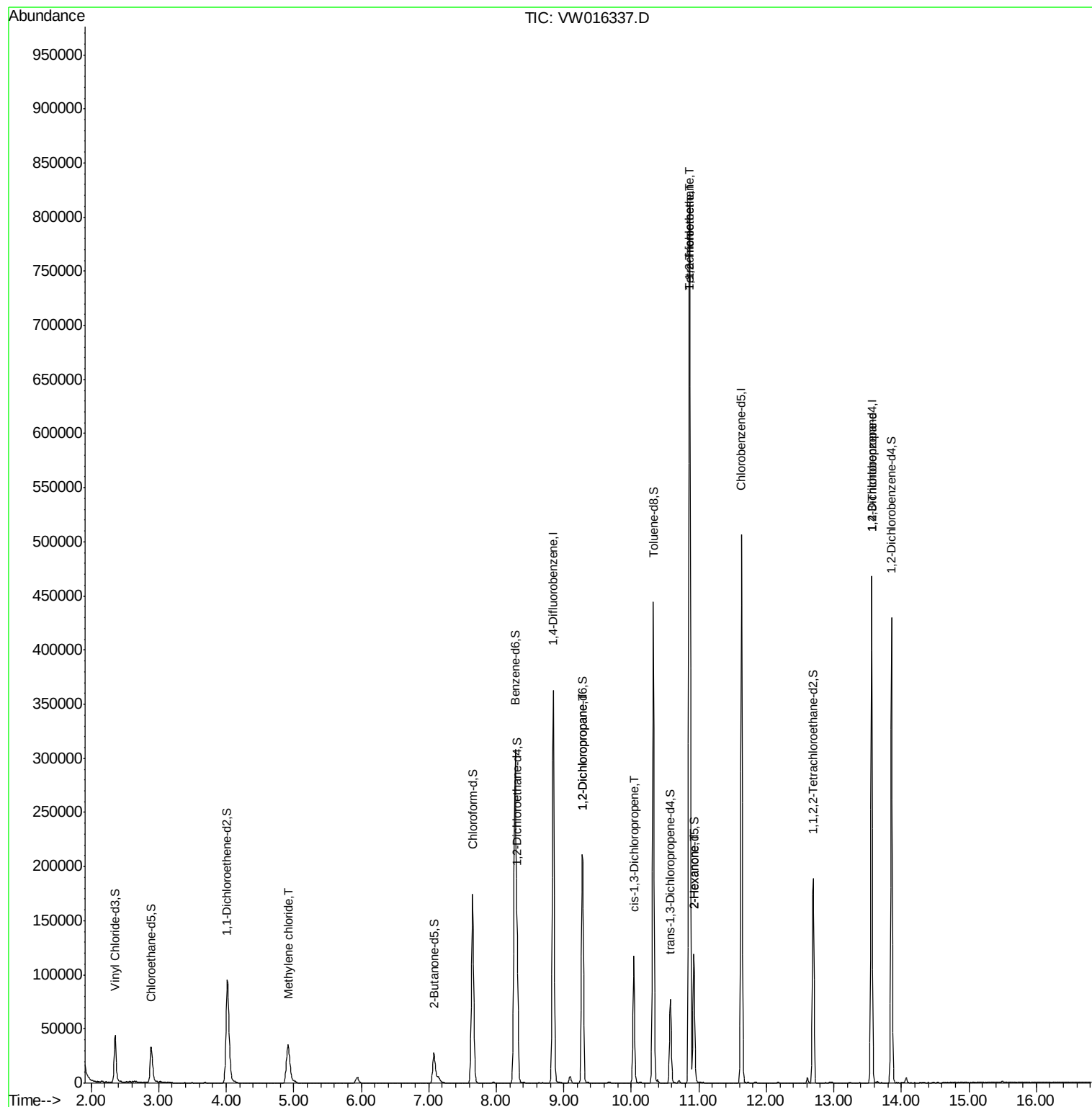
					Ovalue
16) Methylene chloride	4.92	84	34615	5.823 ug/L	99
40) 1,2-Dichloropropane	9.27	63	11354	2.868 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	2801	0.432 ug/L #	62
46) 1,1,2-Trichloroethane	10.87	97	1639	0.502 ug/L #	1
47) Tetrachloroethene	10.87	164	186525	49.619 ug/L	98
49) 2-Hexanone	10.93	43	5285	3.446 ug/L #	61
59) 1,2,3-Trichloropropane	13.56	75	13562	4.802 ug/L	88

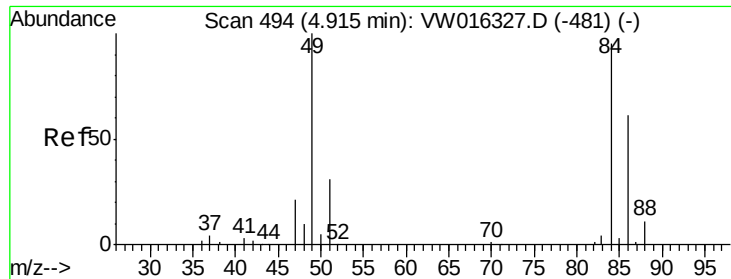
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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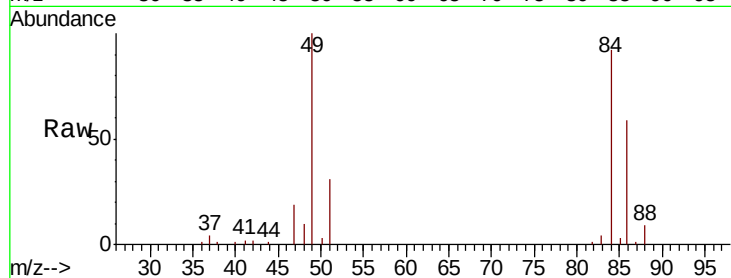




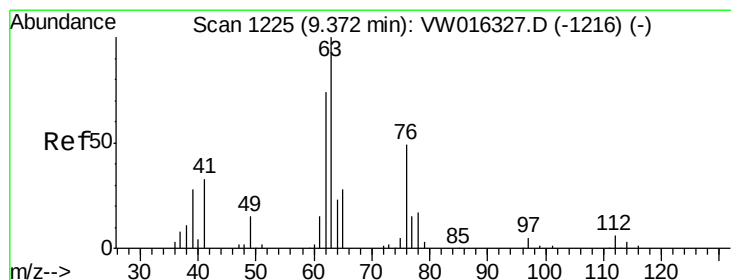
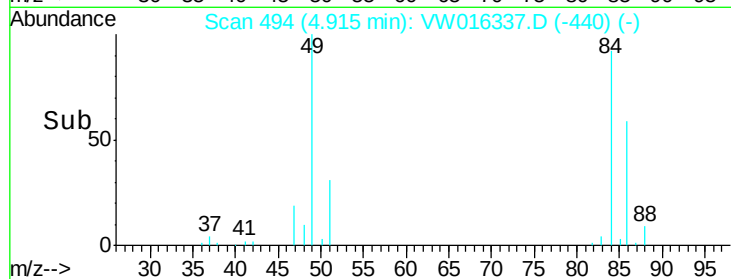
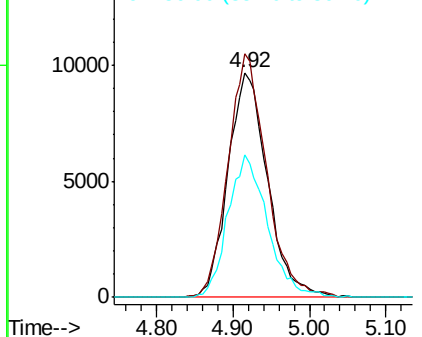
#16
Methylene chloride
Concen: 5.823 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016337.D
Acq: 24 Aug 2020 17:52

Instrument :
MSVOA_W
ClientSampleId :
BFWQ8

Tot Ion: 84 Resp: 34615
Ion Ratio Lower Upper
84 100
49 108.3 75.3 139.9
86 63.7 43.3 80.3

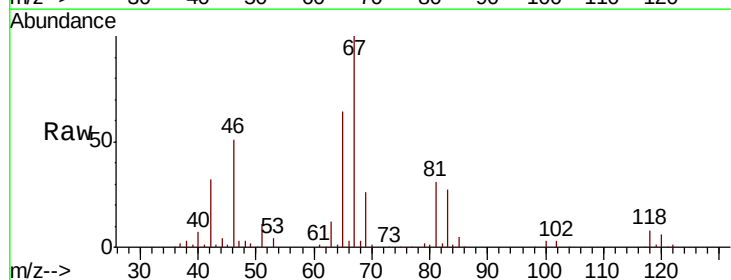


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 49.00 (48.70 to 49.70): VW
Ion 86.00 (85.70 to 86.70): VW

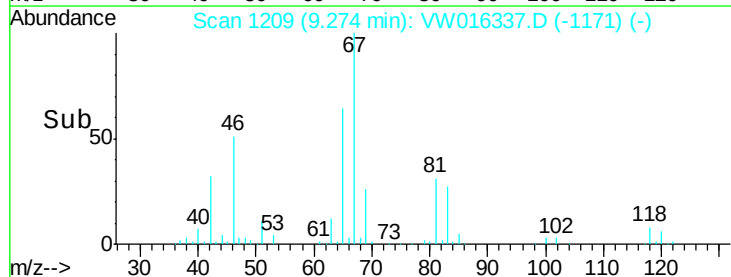
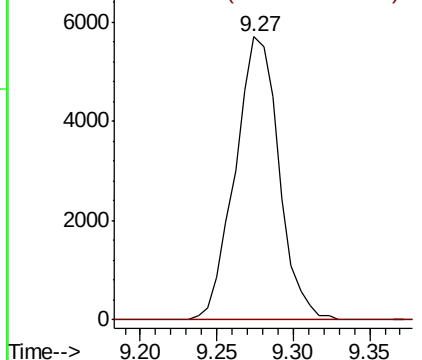


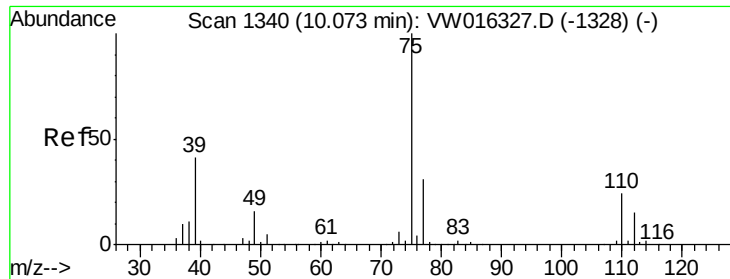
#40
1,2-Dichloropropane
Concen: 2.868 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016337.D
Acq: 24 Aug 2020 17:52

Tgt Ion: 63 Resp: 11354
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#



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: 0.432 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016337.D

Acq: 24 Aug 2020 17:52

Instrument :

MSVOA_W

ClientSampleId :

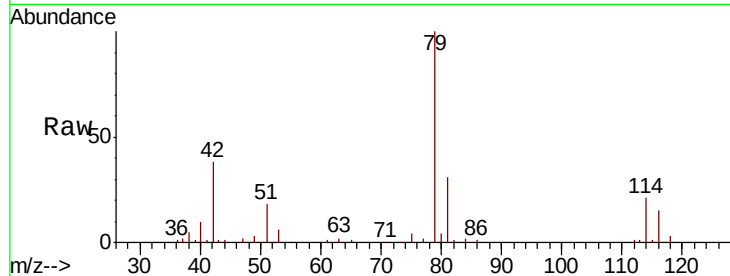
BFWQ8

Tot Ion: 75 Resp: 2801

Ion Ratio Lower Upper

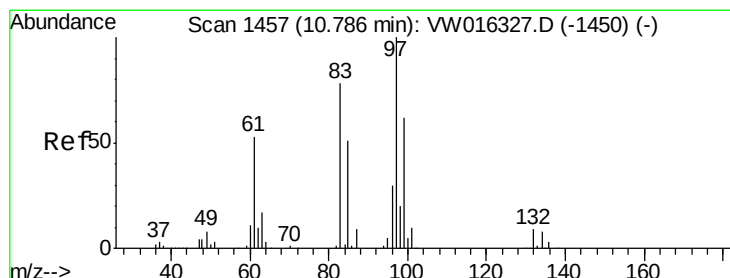
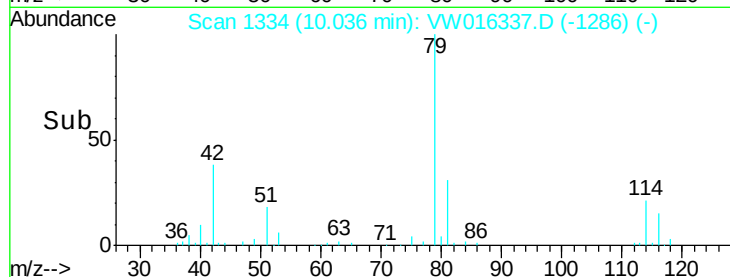
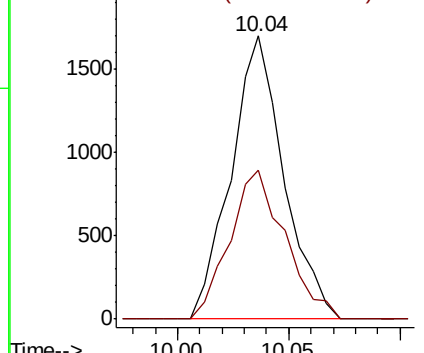
75 100

77 52.4 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 0.502 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.08 min

Lab File: VW016337.D

Acq: 24 Aug 2020 17:52

Tgt Ion: 97 Resp: 1639

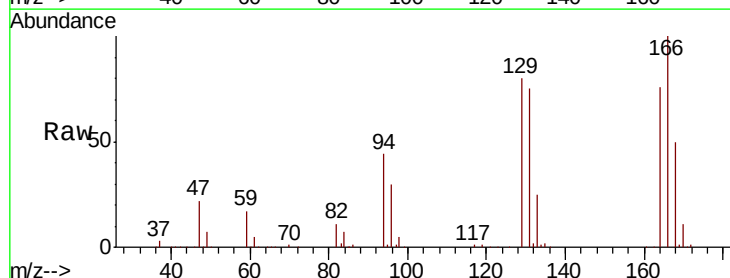
Ion Ratio Lower Upper

97 100

83 246.8 57.9 107.5#

85 69.6 38.8 72.0

99 16.7 46.4 86.2#

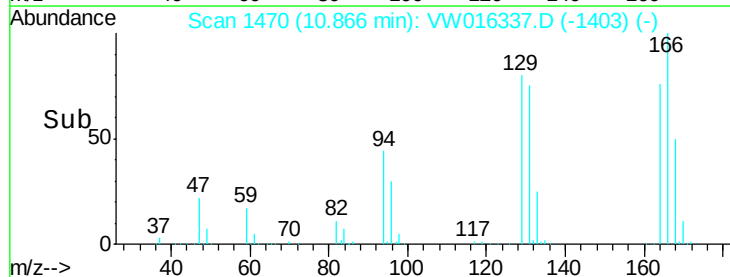
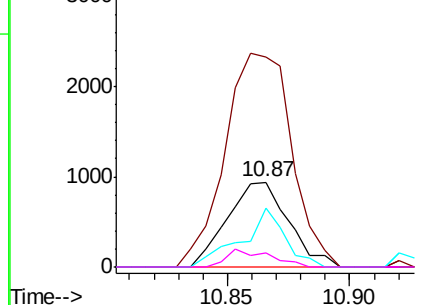


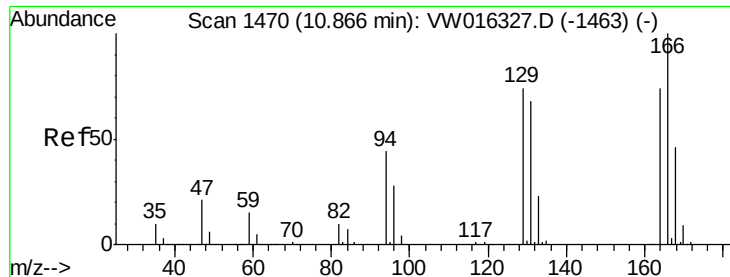
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW





#47

Tetrachloroethene

Concen: 49.619 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016337.D

Acq: 24 Aug 2020 17:52

Instrument :

MSVOA_W

ClientSampleId :

BFWQ8

Tot Ion:164 Resp: 186525

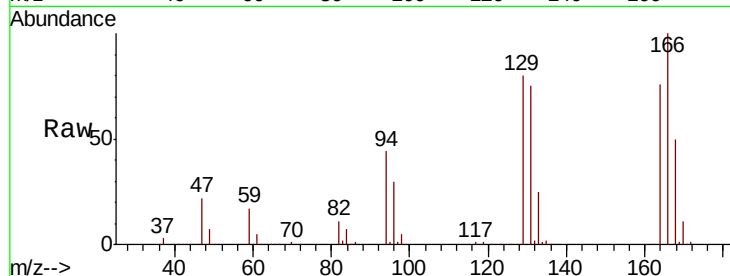
Ion Ratio Lower Upper

164 100

129 105.0 71.5 132.7

131 99.2 67.4 125.2

166 132.1 92.5 171.9

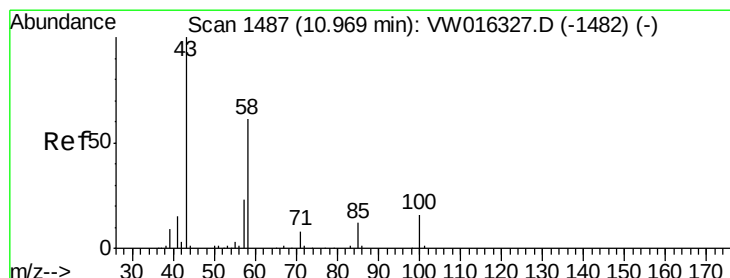
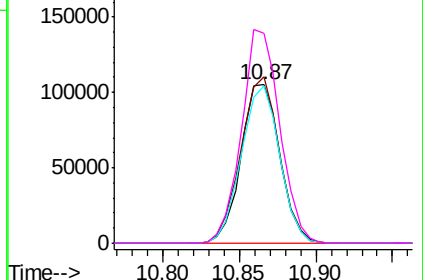
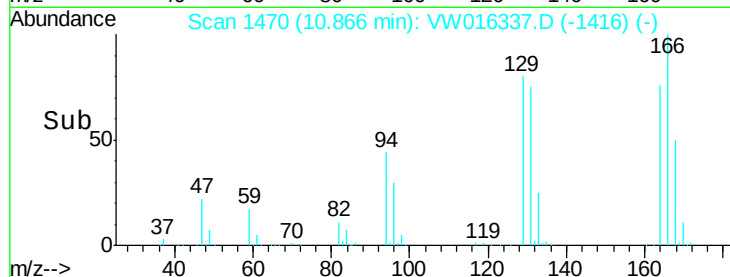


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 3.446 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016337.D

Acq: 24 Aug 2020 17:52

Tgt Ion: 43 Resp: 5285

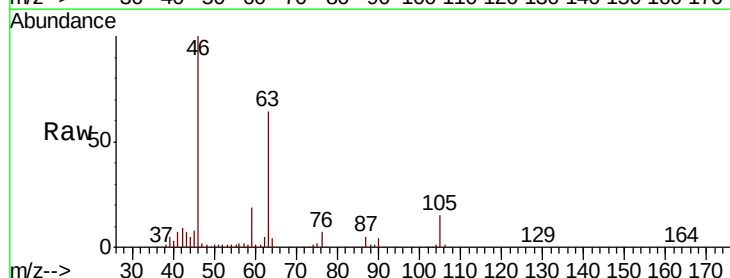
Ion Ratio Lower Upper

43 100

58 21.6 49.5 74.3#

57 23.6 17.7 26.5

100 0.0 12.9 19.3#

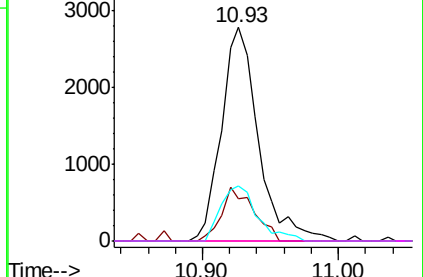
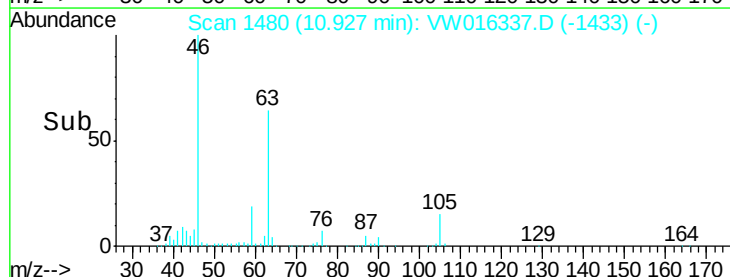


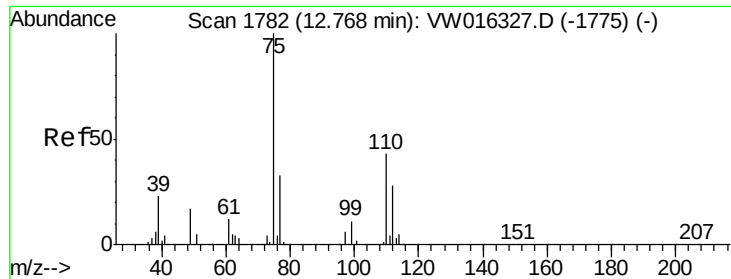
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.802 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016337.D

Acq: 24 Aug 2020 17:52

Instrument :

MSVOA_W

ClientSampleId :

BFWQ8

Tot Ion: 75 Resp: 13562

Ion Ratio Lower Upper

75 100

77 40.7 27.1 40.7

