

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016342.D
 Acq On : 24 Aug 2020 19:51
 Operator : SY/VA
 Sample : L3789-04
 Misc : 6.07G/10ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK9

Quant Time: Aug 25 05:31:39 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	303352	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	275717	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	122624	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	48936	15.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.44%
7) Chloroethane-d5	2.89	69	41017	16.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.72%
10) 1,1-Dichloroethene-d2	4.01	63	92071	11.97	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	47.88%
20) 2-Butanone-d5	7.08	46	40641	44.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.24%
24) Chloroform-d	7.65	84	153653	19.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.72%
26) 1,2-Dichloroethane-d4	8.31	65	82404	20.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.88%
29) Benzene-d6	8.27	84	290916	18.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.60%
33) 1,2-Dichloropropane-d6	9.27	67	87155	20.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.84%
37) Toluene-d8	10.33	98	258812	17.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.28%
38) trans-1,3-Dichloropropene-	10.58	79	37705	18.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.36%
39) 2-Hexanone-d5	10.93	63	35173	51.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82557	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	96426	20.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.04%

Target Compounds

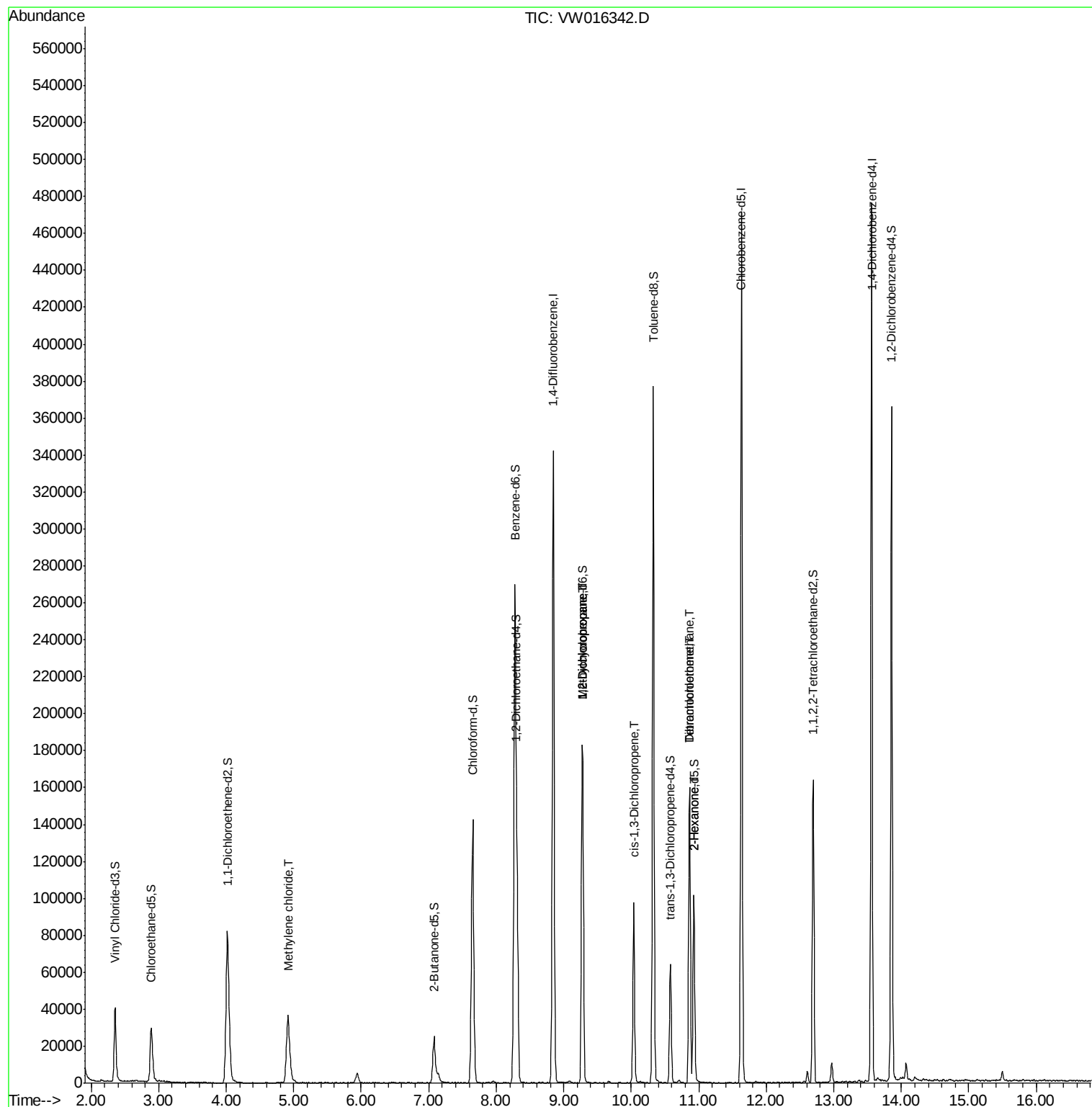
					Ovalue
16) Methylene chloride	4.92	84	33685	6.007 ug/L	95
36) Methylcyclohexane	9.27	83	22994	3.146 ug/L #	21
40) 1,2-Dichloropropane	9.28	63	9976	2.682 ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	2629	0.432 ug/L #	76
47) Tetrachloroethene	10.87	164	35902	10.167 ug/L	92
49) 2-Hexanone	10.92	43	4418	3.067 ug/L #	62
50) Dibromochloromethane	10.87	129	35421	9.265 ug/L #	11

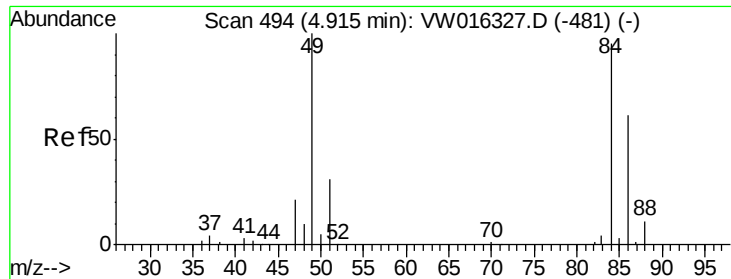
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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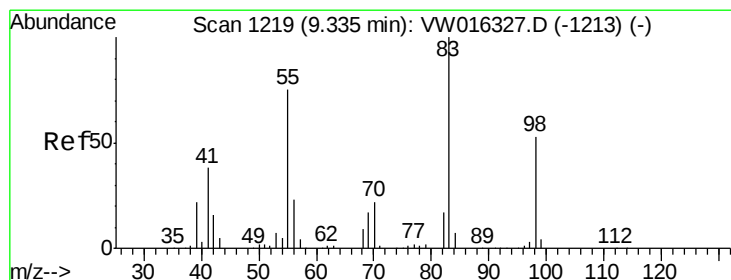
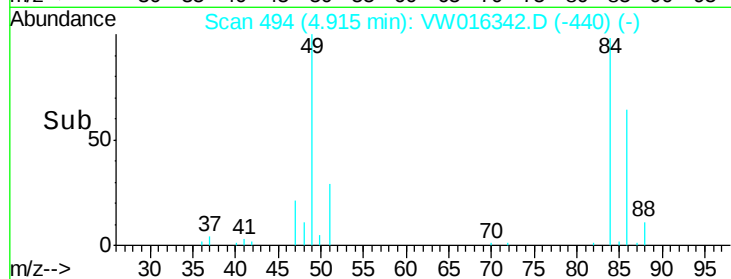
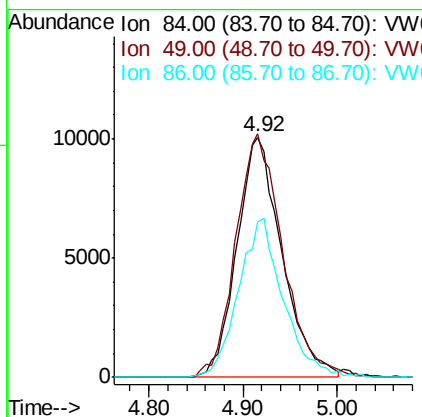
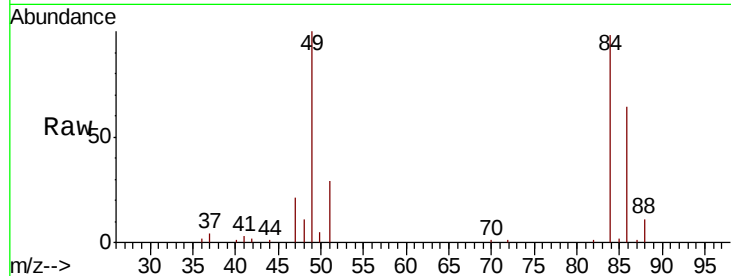




#16
Methvlene chloride
Concen: 6.007 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016342.D
Acq: 24 Aug 2020 19:51

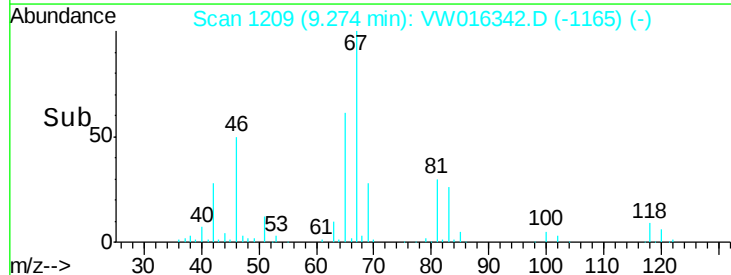
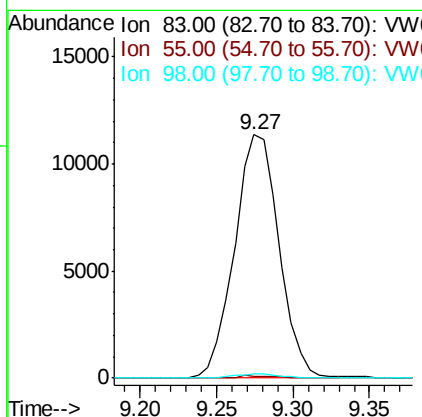
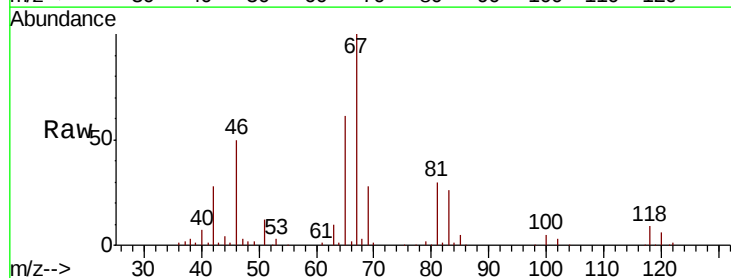
Instrument :
MSVOA_W
ClientSampled :
BFSK9

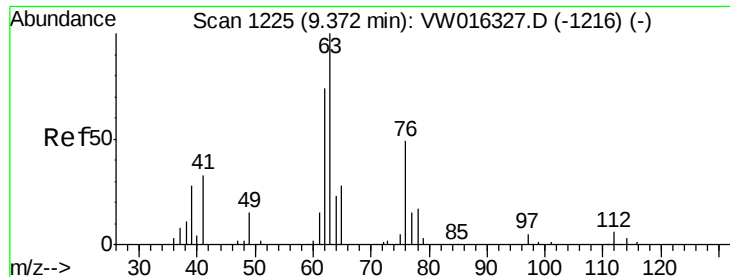
Tot Ion: 84 Resp: 33685
Ion Ratio Lower Upper
84 100
49 101.5 75.3 139.9
86 64.7 43.3 80.3



#36
Methylcyclohexane
Concen: 3.146 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW016342.D
Acq: 24 Aug 2020 19:51

Tgt Ion: 83 Resp: 22994
Ion Ratio Lower Upper
83 100
55 0.4 55.6 83.4#
98 1.6 40.6 61.0#

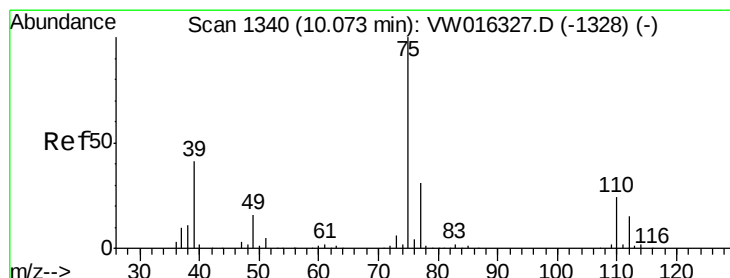
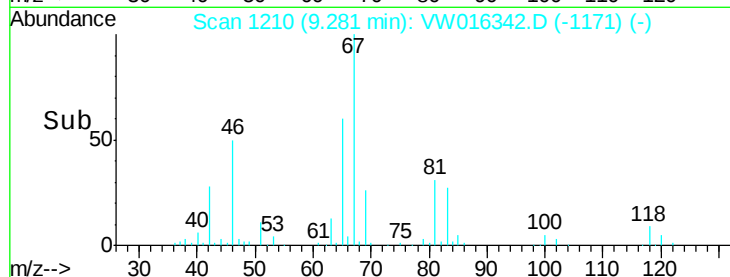
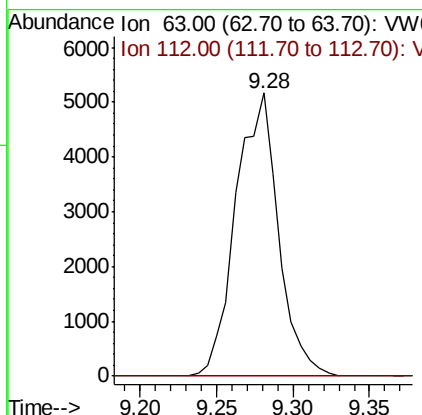
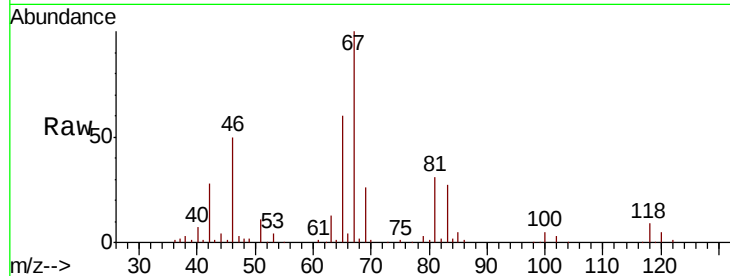




#40
 1,2-Dichloropropane
 Concen: 2.682 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016342.D
 Acq: 24 Aug 2020 19:51

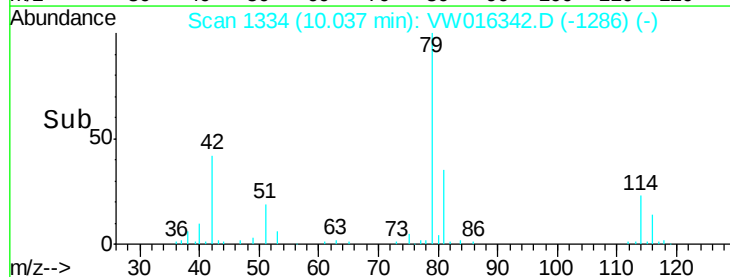
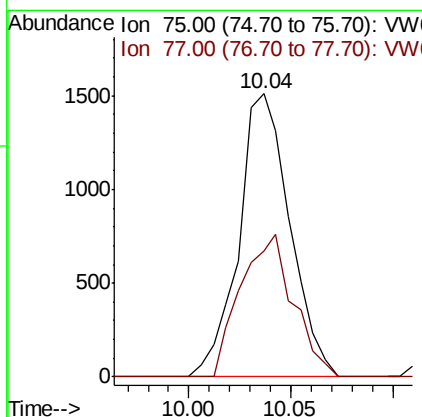
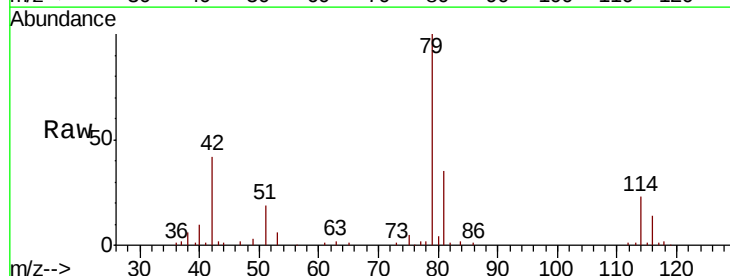
Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK9

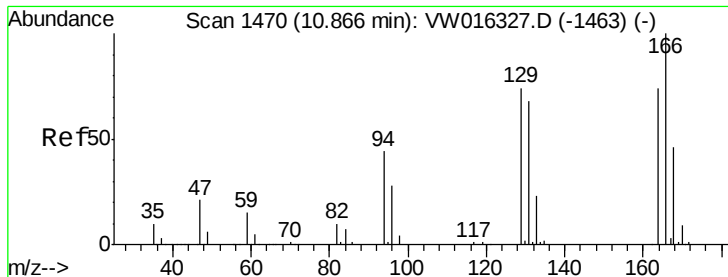
Tot Ion: 63 Resp: 9976
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#42
 cis-1,3-Dichloropropene
 Concen: 0.432 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016342.D
 Acq: 24 Aug 2020 19:51

Tgt Ion: 75 Resp: 2629
 Ion Ratio Lower Upper
 75 100
 77 44.4 22.0 40.8#





#47

Tetrachloroethene

Concen: 10.167 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016342.D

Acq: 24 Aug 2020 19:51

Instrument :

MSVOA_W

ClientSampleId :

BFSK9

Tot Ion:164 Resp: 35902

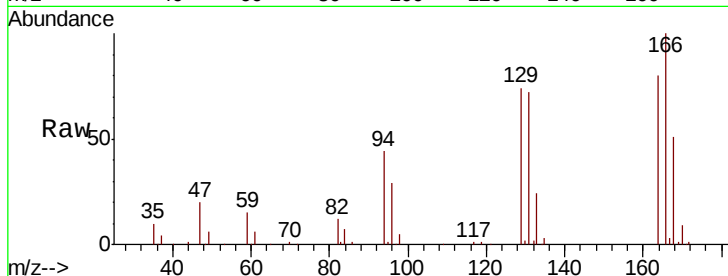
Ion Ratio Lower Upper

164 100

129 91.6 71.5 132.7

131 89.2 67.4 125.2

166 124.6 92.5 171.9

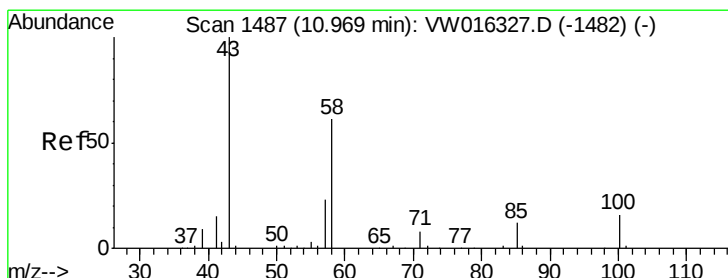
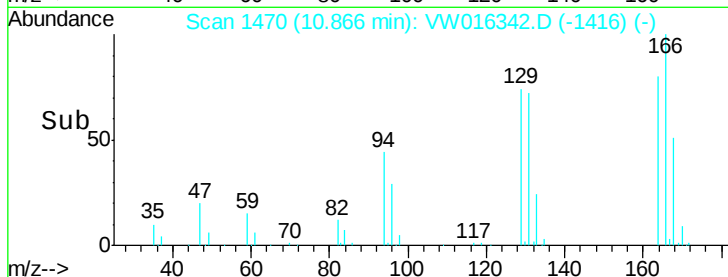
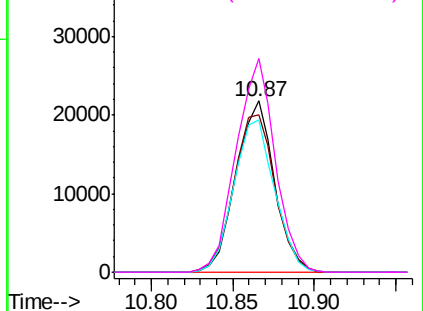


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.067 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW016342.D

Acq: 24 Aug 2020 19:51

Tgt Ion: 43 Resp: 4418

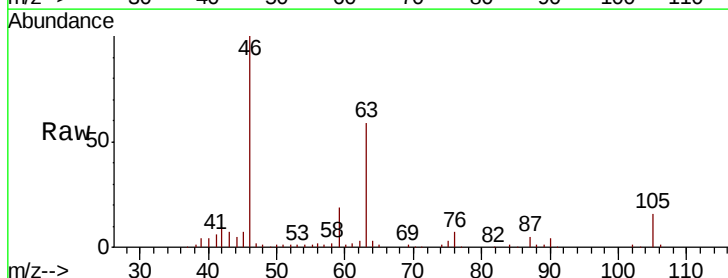
Ion Ratio Lower Upper

43 100

58 23.2 49.5 74.3#

57 24.4 17.7 26.5

100 0.9 12.9 19.3#

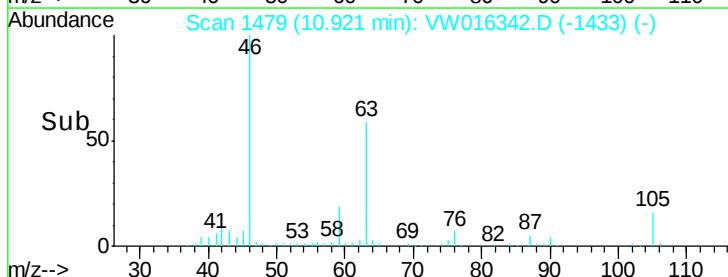
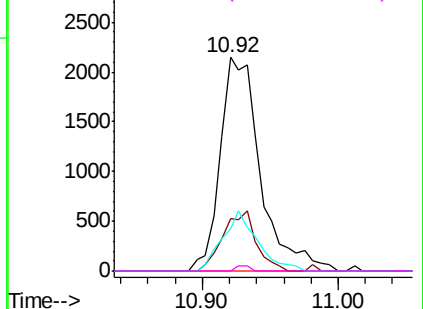


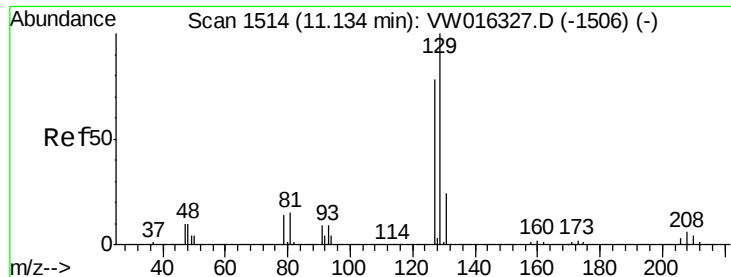
Abundance Ion 43.00 (42.70 to 43.70): VW

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

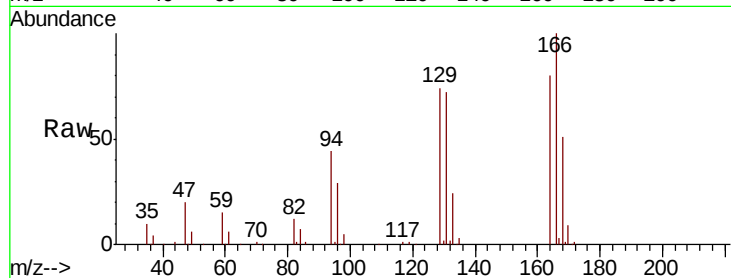




#50
 Dibromochloromethane
 Concen: 9.265 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.27 min
 Lab File: VW016342.D
 Acq: 24 Aug 2020 19:51

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK9

Tot Ion:129 Resp: 35421
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.8 99.8#



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

