

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082420\
 Data File : VW016331.D
 Acq On : 24 Aug 2020 15:30
 Operator : SY/VA
 Sample : L3782-06
 Misc : 5.83G/10ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSK3

Quant Time: Aug 25 15:04:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 25 15:01:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	286840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	214707	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	56894	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	48638	15.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.52%
7) Chloroethane-d5	2.89	69	40254	17.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.28%
10) 1,1-Dichloroethene-d2	4.01	63	87623	12.04	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.16%
20) 2-Butanone-d5	7.08	46	36594	42.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.02%
24) Chloroform-d	7.65	84	146591	19.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.40%
26) 1,2-Dichloroethane-d4	8.31	65	78185	20.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.16%
29) Benzene-d6	8.27	84	268068	22.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.44%
33) 1,2-Dichloropropane-d6	9.28	67	79238	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.56%
37) Toluene-d8	10.32	98	211844	18.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.92%
38) trans-1,3-Dichloropropene-	10.58	79	34565	21.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.36%
39) 2-Hexanone-d5	10.93	63	32252	60.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	63484	23.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	44589	20.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.76%

Target Compounds

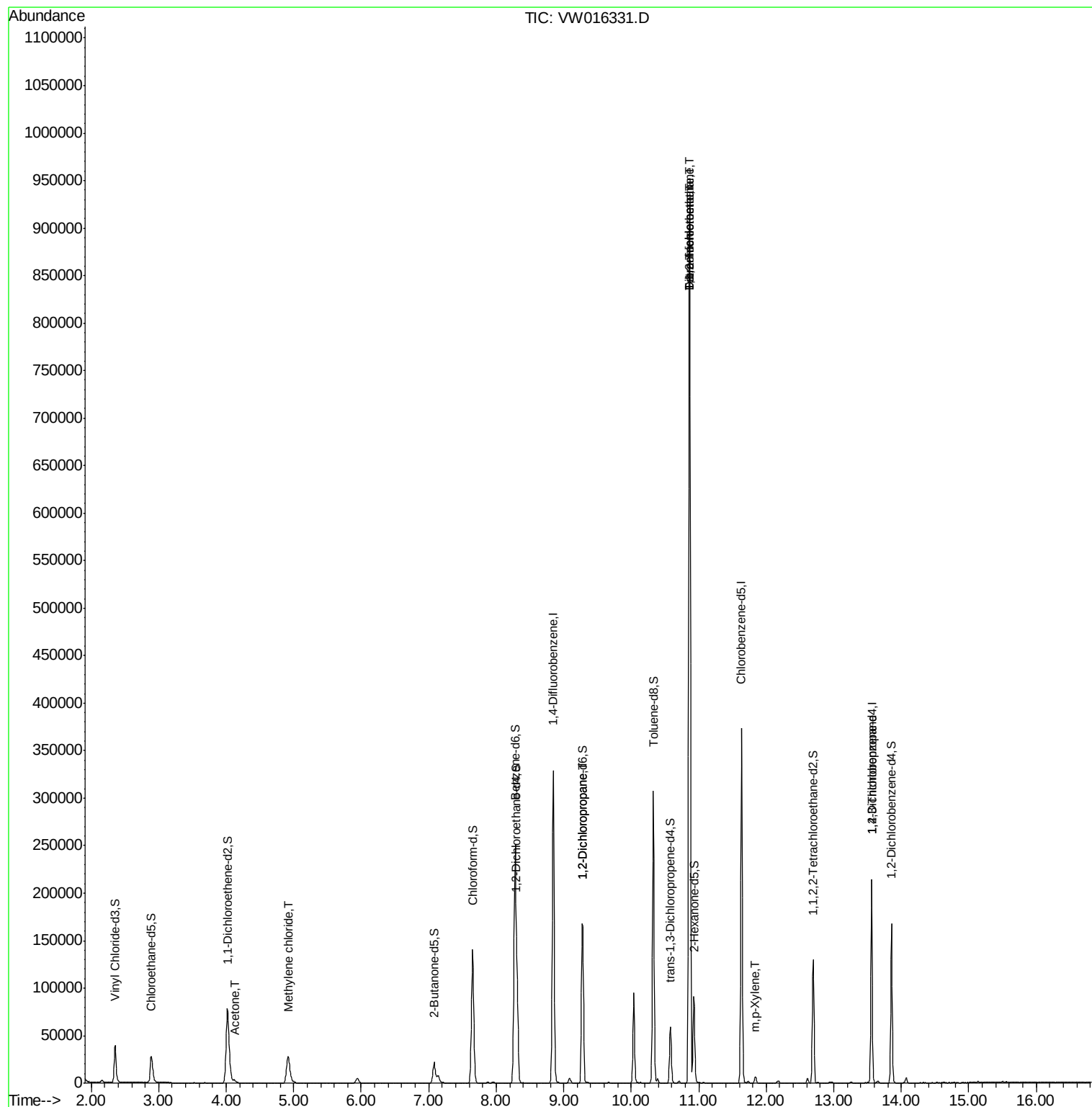
					Qvalue
13) Acetone	4.12	43	4606	6.372 ug/L	99
16) Methylene chloride	4.92	84	26668	5.029 ug/L	94
40) 1,2-Dichloropropane	9.28	63	9212	3.181 ug/L #	84
46) 1,1,2-Trichloroethane	10.86	97	1913	0.800 ug/L #	5
47) Tetrachloroethene	10.87	164	217520	79.106 ug/L	96
50) Dibromochloromethane	10.87	129	215506	72.384 ug/L #	11
54) m,p-Xylene	11.84	106	2129	0.359 ug/L	85
59) 1,2,3-Trichloropropane	13.56	75	6731	3.258 ug/L	91

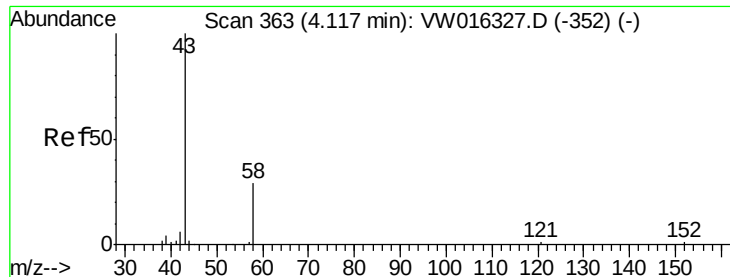
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 25 15:01:07 2020
Response via : Initial Calibration





#13

Acetone

Concen: 6.372 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW016331.D

Acq: 24 Aug 2020 15:30

Instrument :

MSVOA_W

ClientSampled :

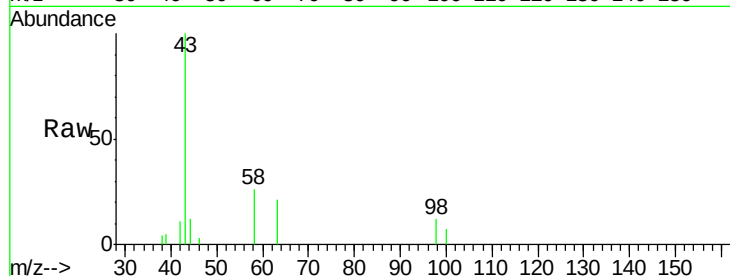
BFSK3

Tgt Ion: 43 Resp: 4606

Ion Ratio Lower Upper

43 100

58 32.4 0.0 63.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

2000

1500

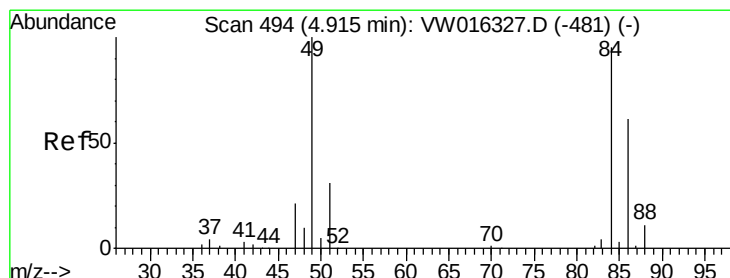
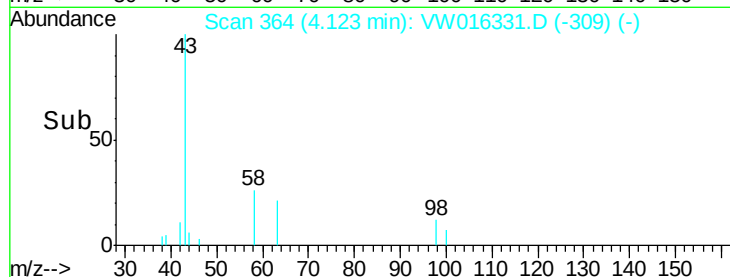
1000

500

0

Time-->

4.05 4.10 4.15 4.20 4.25



#16

Methylene chloride

Concen: 5.029 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016331.D

Acq: 24 Aug 2020 15:30

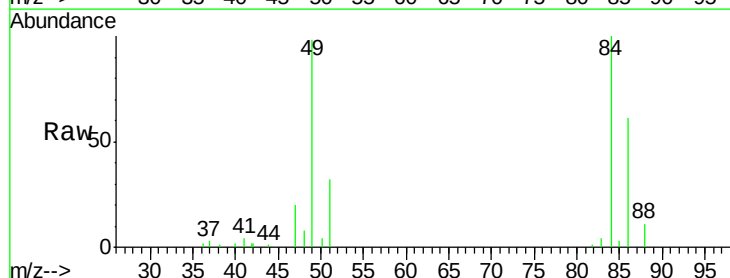
Tgt Ion: 84 Resp: 26668

Ion Ratio Lower Upper

84 100

49 97.8 75.3 139.9

86 61.4 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

10000

8000

6000

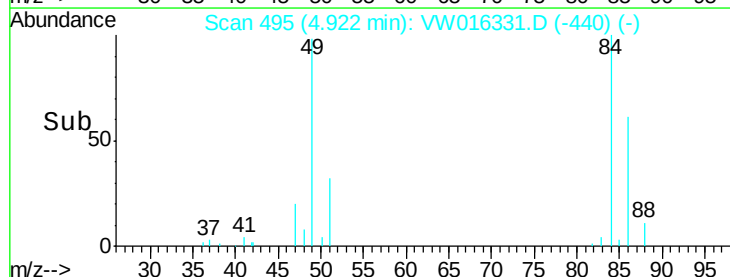
4000

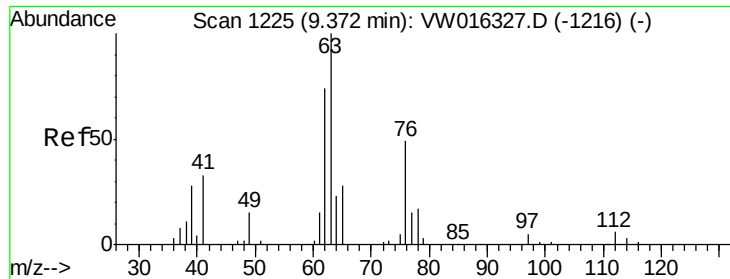
2000

0

Time-->

4.80 4.90 5.00





#40

1,2-Dichloropropane

Concen: 3.181 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.09 min

Lab File: VW016331.D

Acq: 24 Aug 2020 15:30

Instrument :

MSVOA_W

ClientSampled :

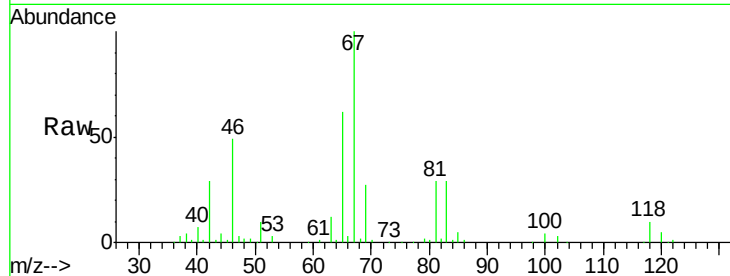
BFSK3

Tgt Ion: 63 Resp: 9212

Ion Ratio Lower Upper

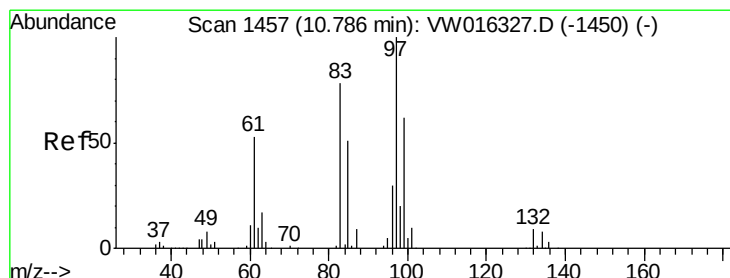
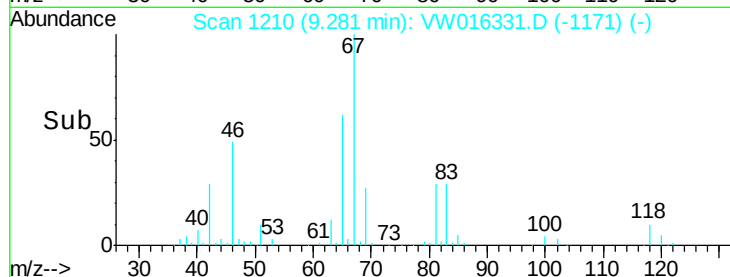
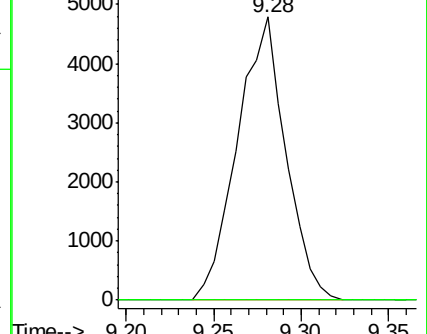
63 100

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



#46

1,1,2-Trichloroethane

Concen: 0.800 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.07 min

Lab File: VW016331.D

Acq: 24 Aug 2020 15:30

Tgt Ion: 97 Resp: 1913

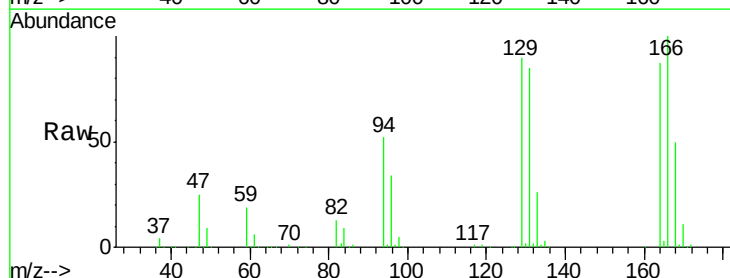
Ion Ratio Lower Upper

97 100

83 225.2 57.9 107.5#

85 27.5 38.8 72.0#

99 16.6 46.4 86.2#

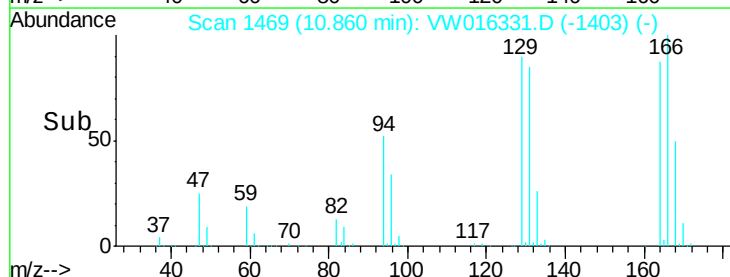
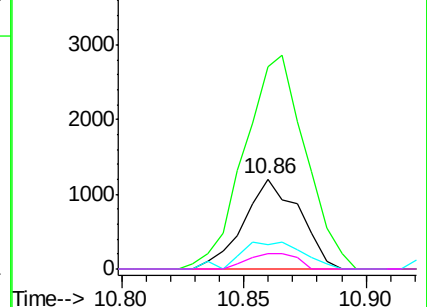


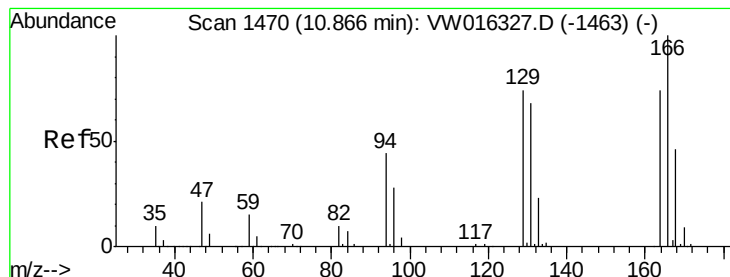
Abundance Ion 97.00 (96.70 to 97.70): VW

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: 79.106 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016331.D

Acq: 24 Aug 2020 15:30

Instrument :

MSVOA_W

ClientSampleId :

BFSK3

Tgt Ion:164 Resp: 217520

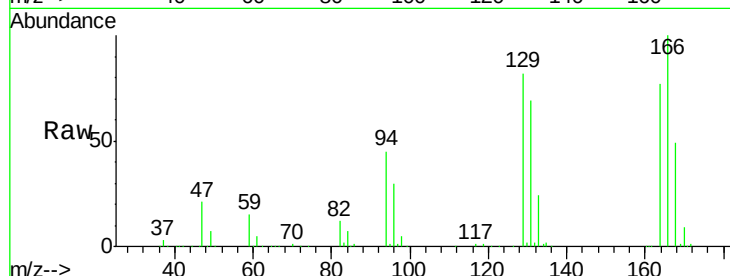
Ion Ratio Lower Upper

164 100

129 105.8 71.5 132.7

131 89.5 67.4 125.2

166 129.2 92.5 171.9

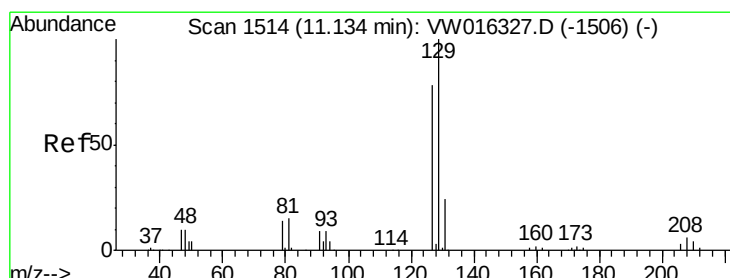
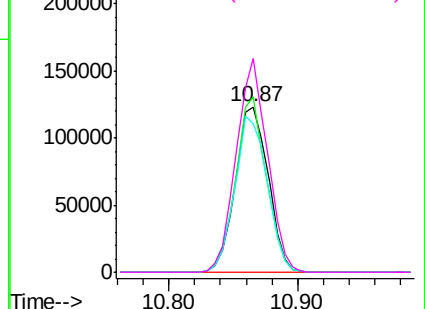
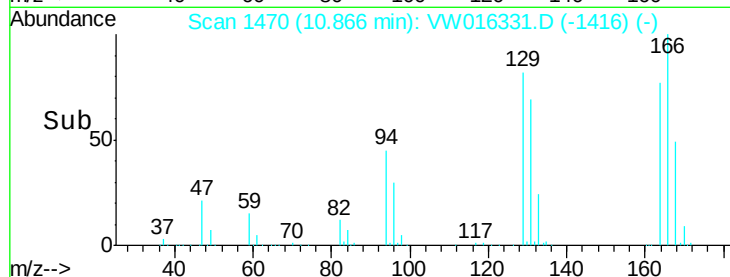


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 72.384 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016331.D

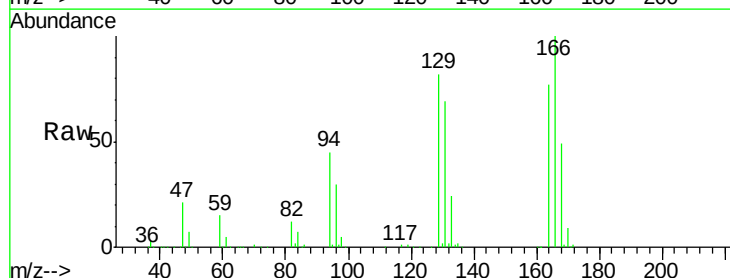
Acq: 24 Aug 2020 15:30

Tgt Ion:129 Resp: 215506

Ion Ratio Lower Upper

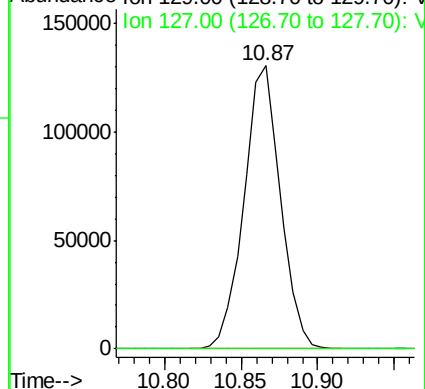
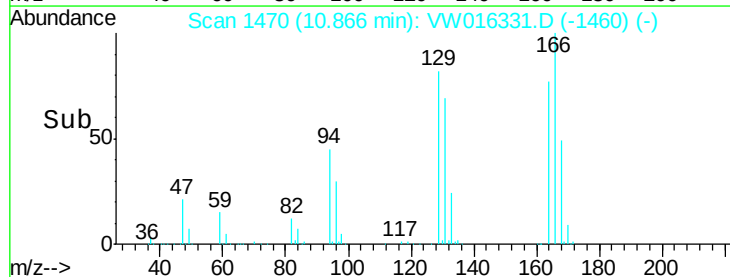
129 100

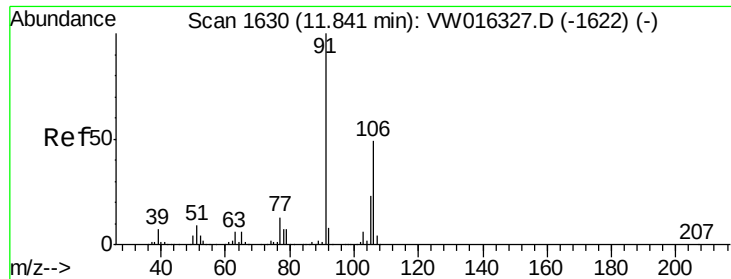
127 0.0 53.8 99.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#54

m,p-Xylene

Concen: 0.359 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW016331.D

Acq: 24 Aug 2020 15:30

Instrument :

MSVOA_W

ClientSampleId :

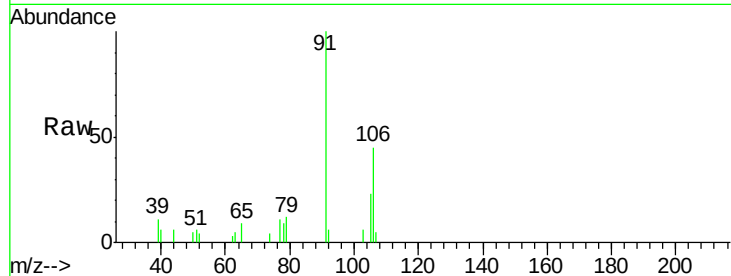
BFSK3

Tgt Ion: 106 Resp: 2129

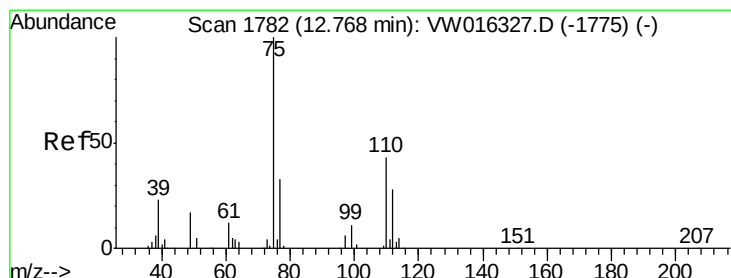
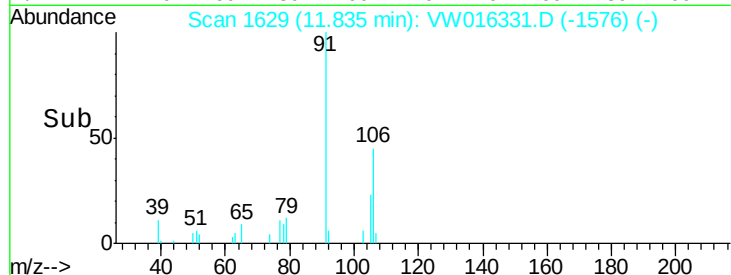
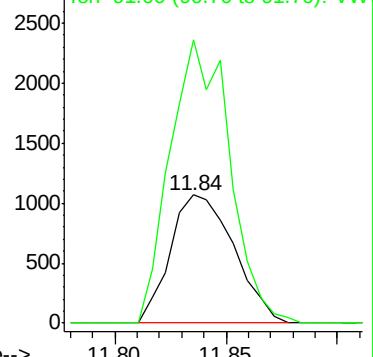
Ion Ratio Lower Upper

106 100

91 221.1 138.8 257.8



Abundance Ion 106.00 (105.70 to 106.70): VW



#59

1,2,3-Trichloropropane

Concen: 3.258 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016331.D

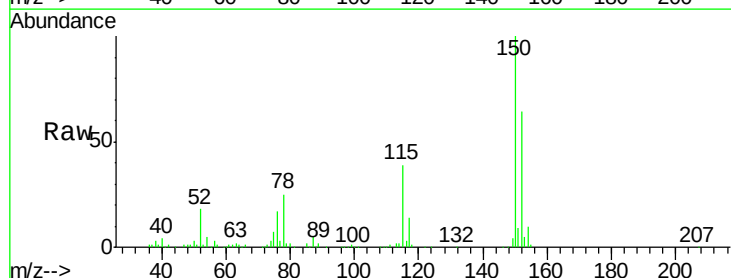
Acq: 24 Aug 2020 15:30

Tgt Ion: 75 Resp: 6731

Ion Ratio Lower Upper

75 100

77 38.8 27.1 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

