

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\
 Data File : VW016369.D
 Acq On : 26 Aug 2020 15:59
 Operator : SY/VA
 Sample : L3807-14
 Misc : 7.52G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSS1

Quant Time: Aug 27 02:44:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 27 02:40:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	266530	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	238477	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	92254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	46167	16.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	64.88%
7) Chloroethane-d5	2.89	69	41807	19.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.40%
10) 1,1-Dichloroethene-d2	4.02	63	93159	13.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.12%
20) 2-Butanone-d5	7.08	46	35132	43.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.82%
24) Chloroform-d	7.65	84	155392	22.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.44%
26) 1,2-Dichloroethane-d4	8.31	65	82353	23.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.00%
29) Benzene-d6	8.27	84	286481	21.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.08%
33) 1,2-Dichloropropane-d6	9.27	67	84094	22.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.32%
37) Toluene-d8	10.33	98	259927	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.76%
38) trans-1,3-Dichloropropene-	10.58	79	35493	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.84%
39) 2-Hexanone-d5	10.93	63	28719	48.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	72102	23.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.04%
61) 1,2-Dichlorobenzene-d4	13.85	152	81550	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

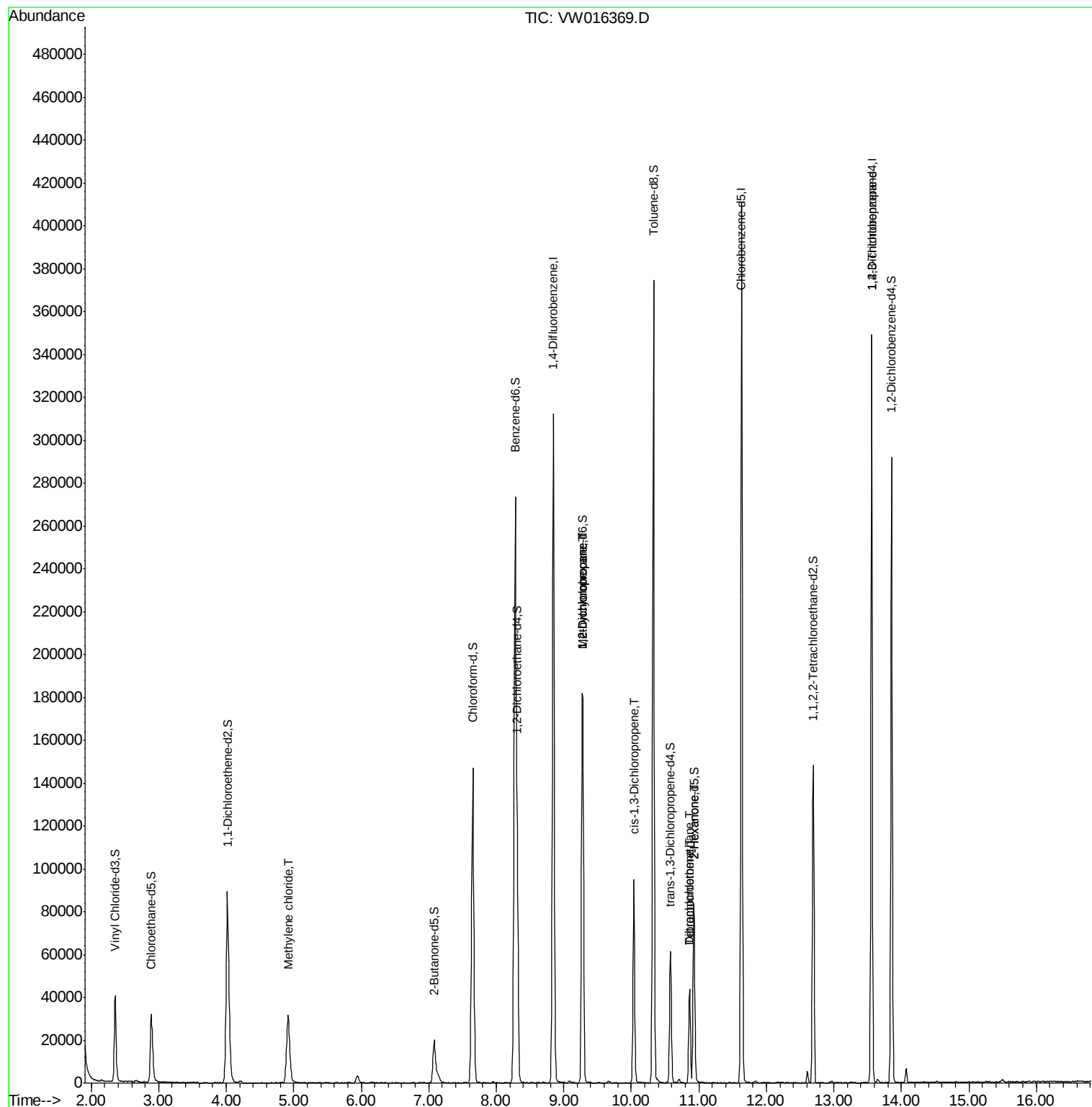
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	4.92	84	27910	5.665	ug/L	95
36) Methylcyclohexane	9.28	83	22737	3.596	ug/L #	21
40) 1,2-Dichloropropane	9.27	63	9946	3.092	ug/L #	84
42) cis-1,3-Dichloropropene	10.03	75	2678	0.508	ug/L	84
47) Tetrachloroethene	10.87	164	9798	3.208	ug/L	89
49) 2-Hexanone	10.93	43	3765	3.022	ug/L #	67
50) Dibromochloromethane	10.87	129	9910	2.997	ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	10579	4.610	ug/L	96

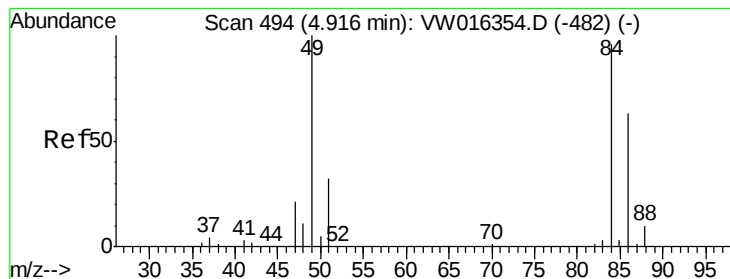
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#16

Methvlene chloride

Concen: 5.665 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016369.D

Acq: 26 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

BFSS1

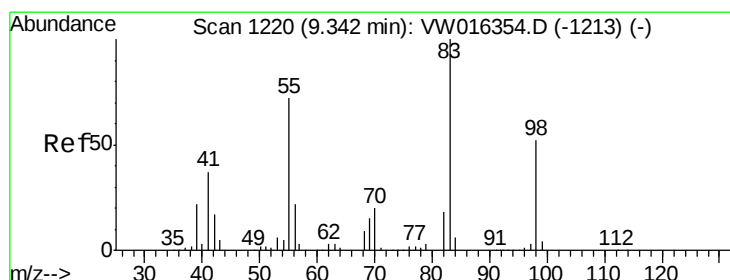
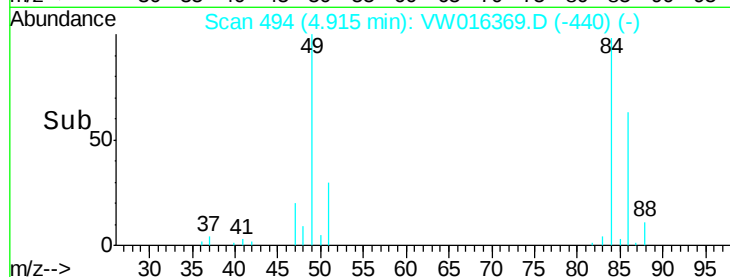
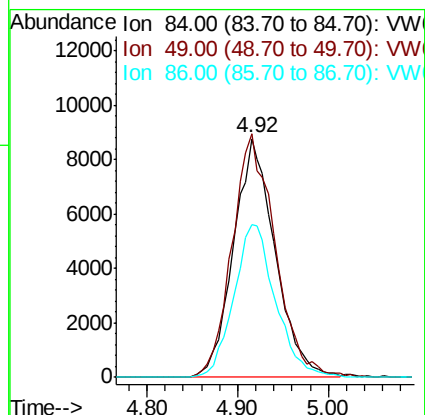
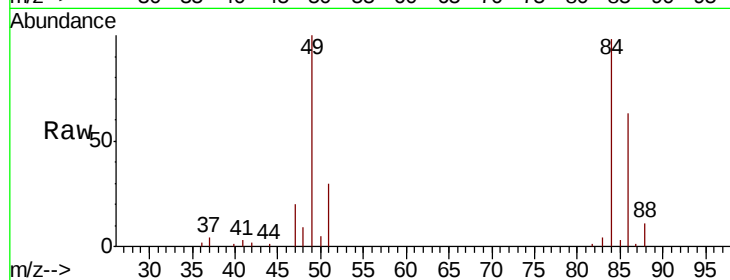
Tot Ion: 84 Resp: 27910

Ion Ratio Lower Upper

84 100

49 101.9 75.3 139.9

86 64.1 43.3 80.3



#36

Methylcyclohexane

Concen: 3.596 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.06 min

Lab File: VW016369.D

Acq: 26 Aug 2020 15:59

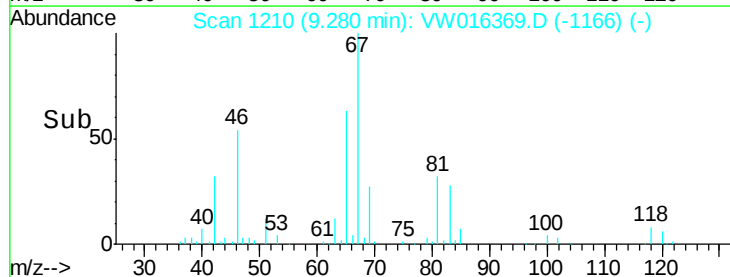
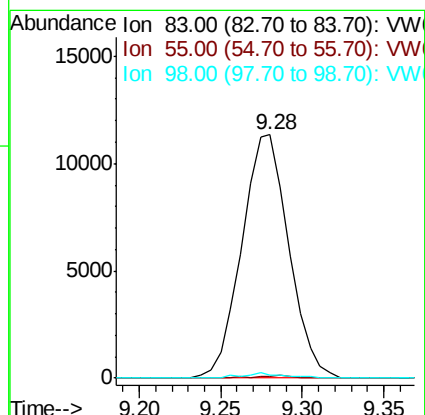
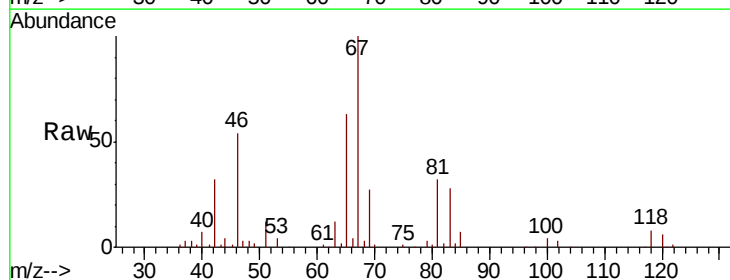
Tgt Ion: 83 Resp: 22737

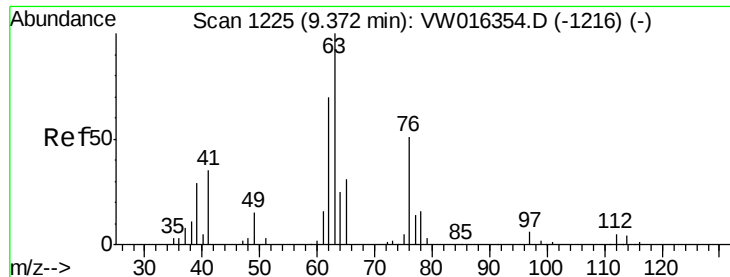
Ion Ratio Lower Upper

83 100

55 0.5 55.6 83.4#

98 1.8 40.6 61.0#





#40

1,2-Dichloropropane

Concen: 3.092 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.10 min

Lab File: VW016369.D

Acq: 26 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampled :

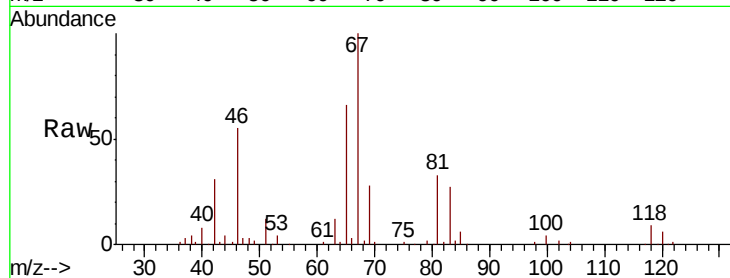
BFSS1

Tot Ion: 63 Resp: 9946

Ion Ratio Lower Upper

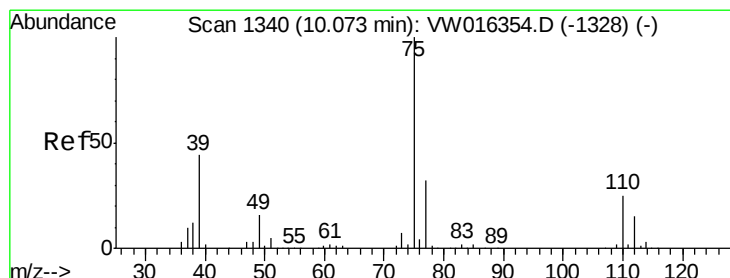
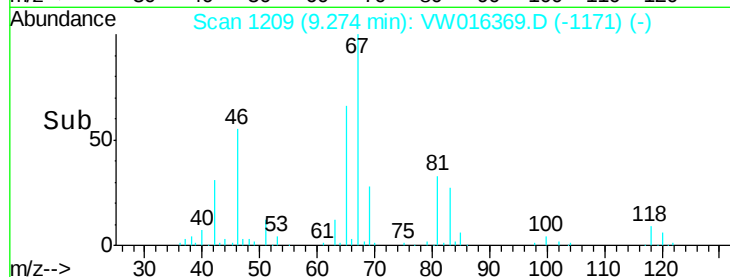
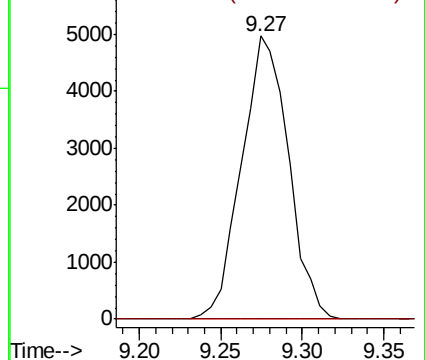
63 100

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: 0.508 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW016369.D

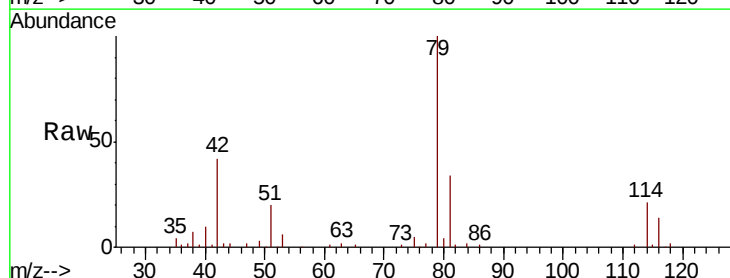
Acq: 26 Aug 2020 15:59

Tgt Ion: 75 Resp: 2678

Ion Ratio Lower Upper

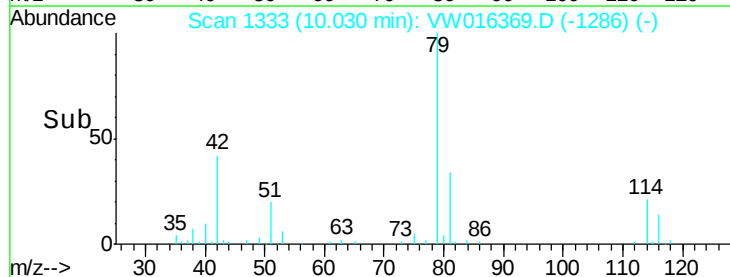
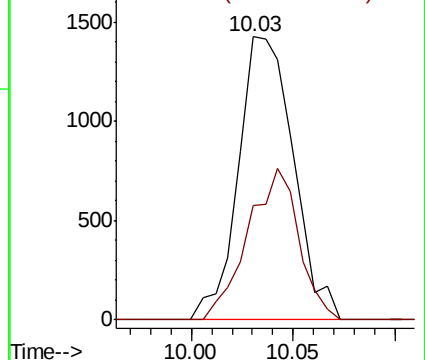
75 100

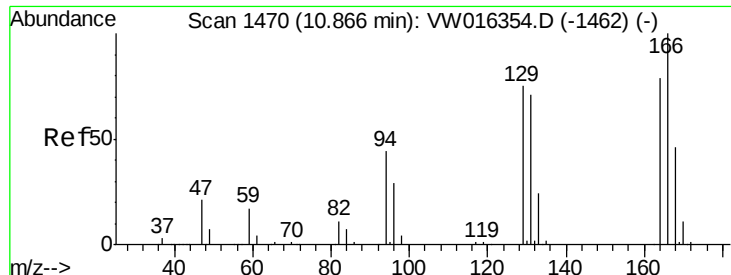
77 40.3 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#47

Tetrachloroethene

Concen: 3.208 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016369.D

Acq: 26 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

BFSS1

Tot Ion:164 Resp: 9798

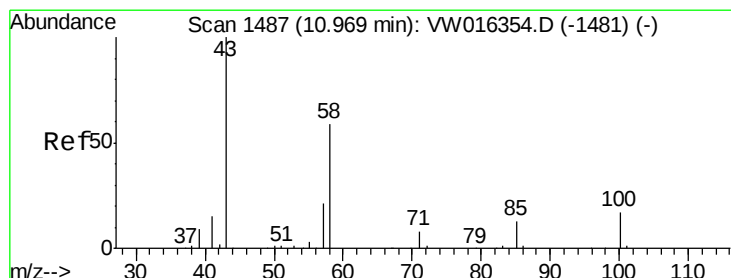
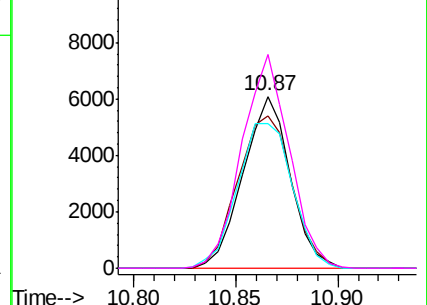
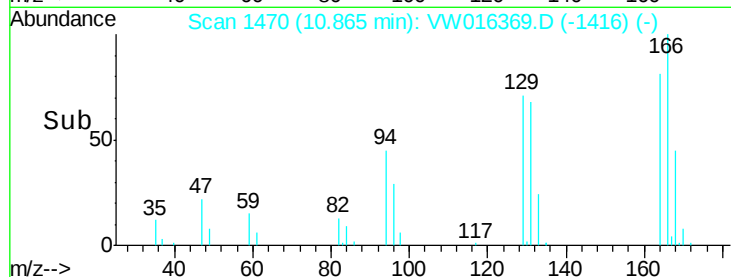
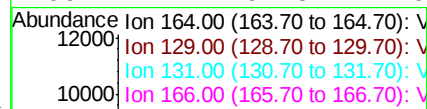
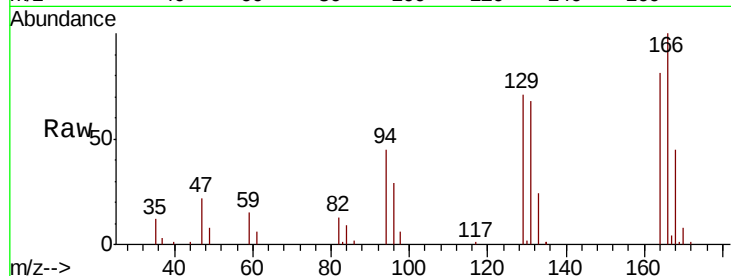
Ion Ratio Lower Upper

164 100

129 88.3 71.5 132.7

131 84.2 67.4 125.2

166 124.2 92.5 171.9



#49

2-Hexanone

Concen: 3.022 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016369.D

Acq: 26 Aug 2020 15:59

Tgt Ion: 43 Resp: 3765

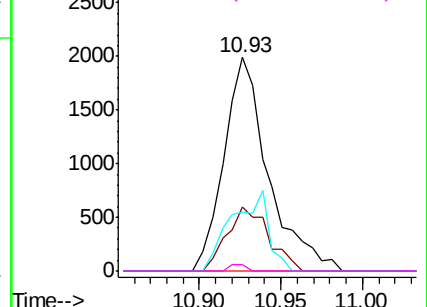
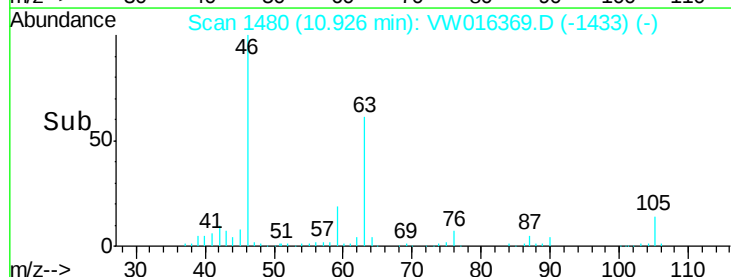
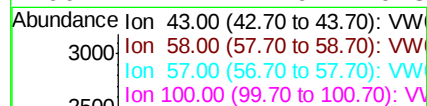
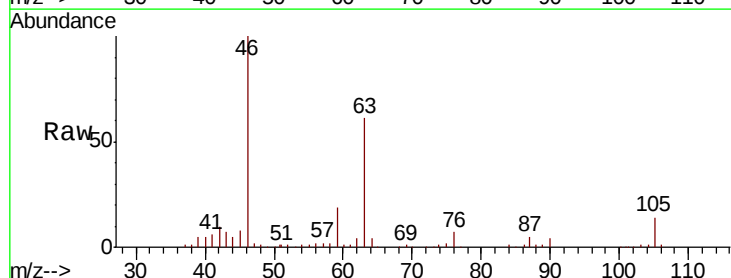
Ion Ratio Lower Upper

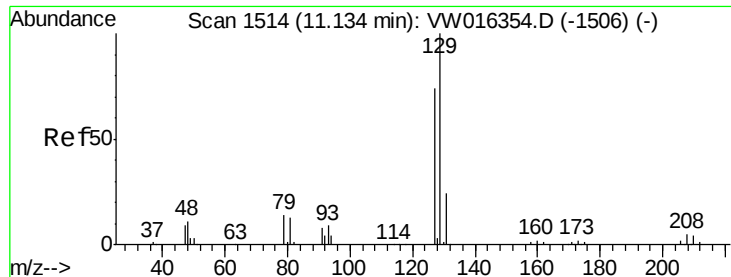
43 100

58 28.2 49.5 74.3#

57 21.2 17.7 26.5

100 1.1 12.9 19.3#





#50

Dibromochloromethane

Concen: 2.997 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.27 min

Lab File: VW016369.D

Acq: 26 Aug 2020 15:59

Instrument :

MSVOA_W

ClientSampleId :

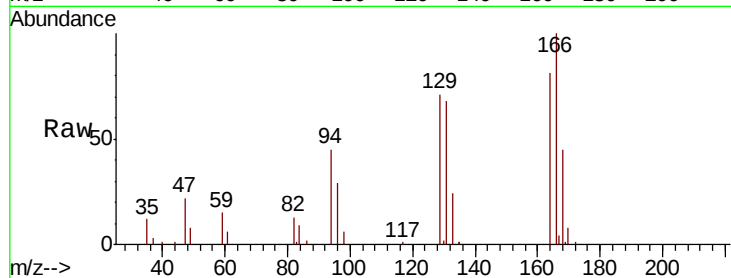
BFSS1

Tot Ion:129 Resp: 9910

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

10.87

6000

5000

4000

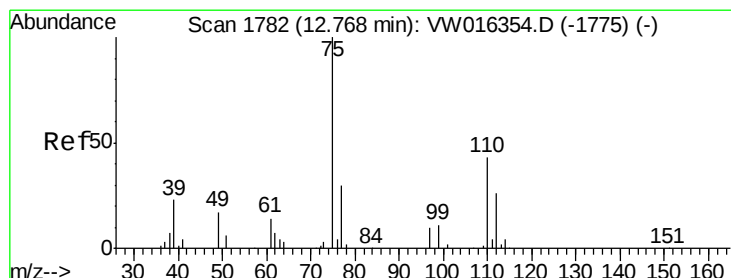
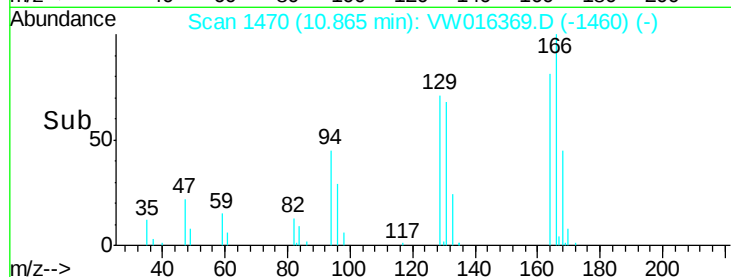
3000

2000

1000

0

Time--> 10.80 10.85 10.90



#59

1,2,3-Trichloropropane

Concen: 4.610 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016369.D

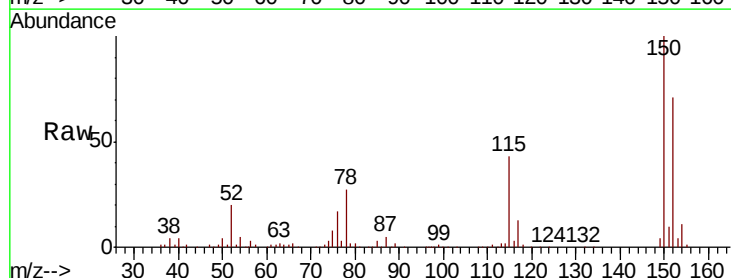
Acq: 26 Aug 2020 15:59

Tgt Ion: 75 Resp: 10579

Ion Ratio Lower Upper

75 100

77 36.2 27.1 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

8000

6000

4000

2000

0

Time--> 13.50 13.55 13.60

