

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016239.D
 Acq On : 18 Aug 2020 14:14
 Operator : SY/VA
 Sample : L3709-08
 Misc : 6.69G/10ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSR1

Quant Time: Aug 19 05:52:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 19 05:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	372116	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346857	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	144780	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76754	16.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.56%
7) Chloroethane-d5	2.90	69	61712	17.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.48%
10) 1,1-Dichloroethene-d2	4.14	63	216	0.02	ug/L	0.12
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.08%#
20) 2-Butanone-d5	7.09	46	40740	33.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.12%
24) Chloroform-d	7.65	84	196356	19.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.64%
26) 1,2-Dichloroethane-d4	8.31	65	96419	18.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	72.72%
29) Benzene-d6	8.27	84	376367	19.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.80%
33) 1,2-Dichloropropane-d6	9.28	67	112911	20.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.40%
37) Toluene-d8	10.33	98	336530	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.80%
38) trans-1,3-Dichloropropene-	10.58	79	43762	17.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.20%
39) 2-Hexanone-d5	10.93	63	33979	35.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88372	19.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	116783	22.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.04%

Target Compounds

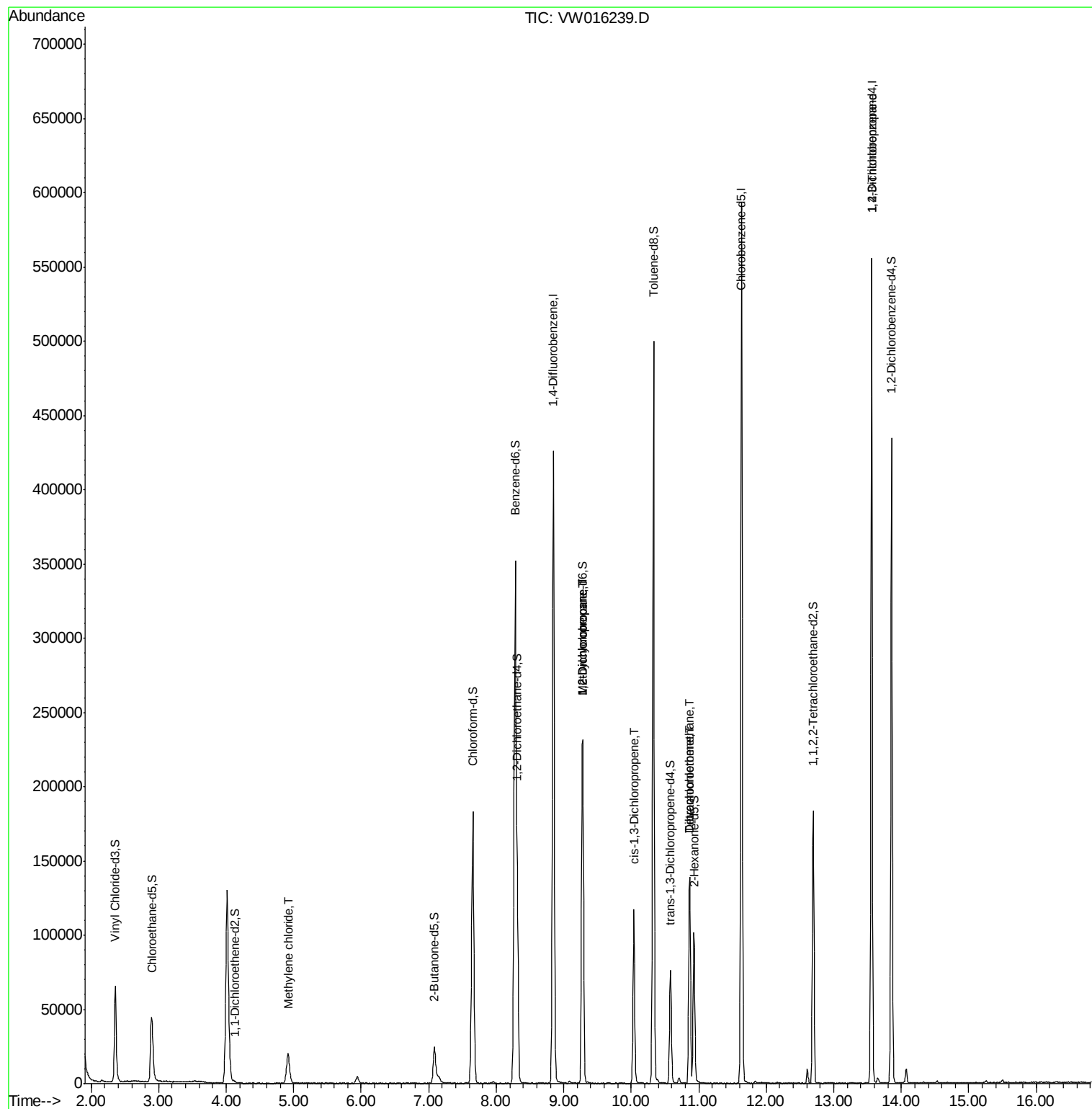
					Ovalue
16) Methylene chloride	4.92	84	16648	2.833	ug/L 94
36) Methylcyclohexane	9.27	83	29169	3.292	ug/L # 18
40) 1,2-Dichloropropane	9.28	63	12294	2.503	ug/L # 86
42) cis-1,3-Dichloropropene	10.04	75	2843	0.380	ug/L # 64
47) Tetrachloroethene	10.86	164	32305	8.012	ug/L 91
50) Dibromochloromethane	10.87	129	32386	7.112	ug/L # 10
59) 1,2,3-Trichloropropane	13.56	75	16320	4.775	ug/L 92

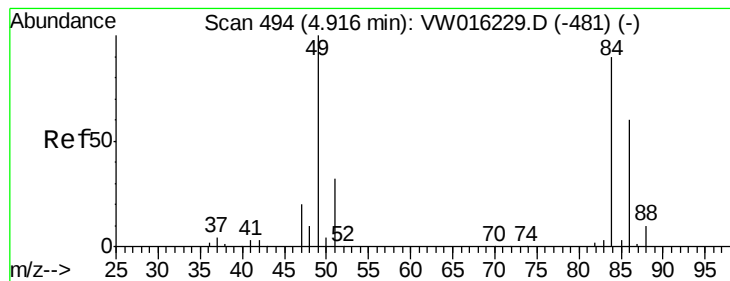
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 19 05:49:31 2020
Response via : Initial Calibration





#16

Methylene chloride

Concen: 2.833 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016239.D

Acq: 18 Aug 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

BFSR1

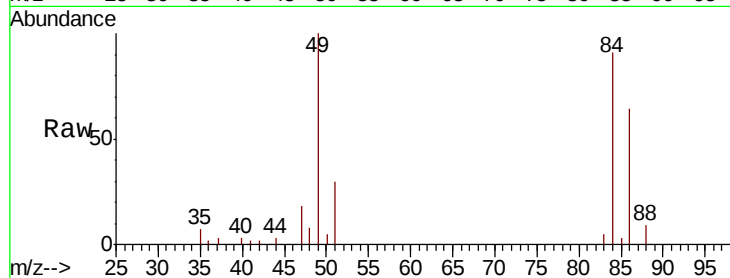
Tot Ion: 84 Resp: 16648

Ion Ratio Lower Upper

84 100

49 110.4 80.4 149.4

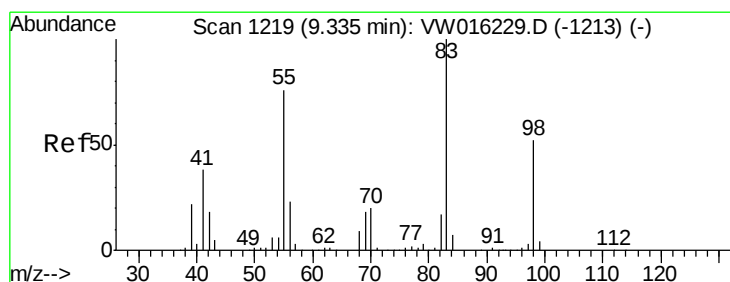
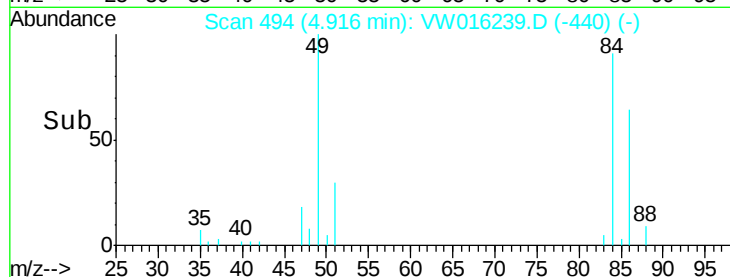
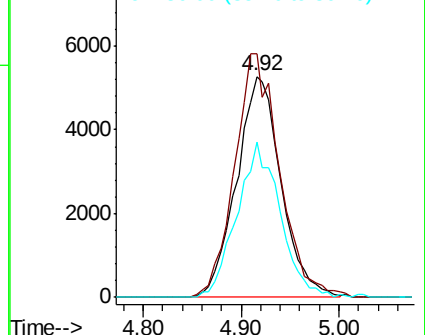
86 70.7 43.8 81.3



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



#36

Methylcyclohexane

Concen: 3.292 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW016239.D

Acq: 18 Aug 2020 14:14

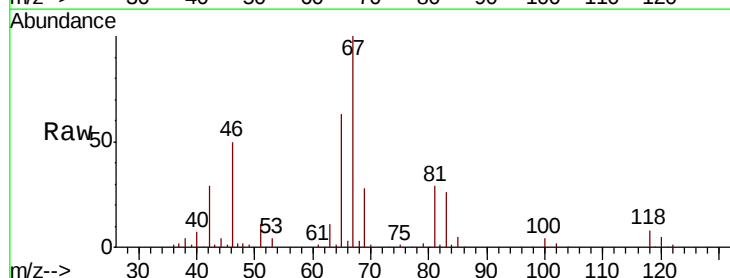
Tgt Ion: 83 Resp: 29169

Ion Ratio Lower Upper

83 100

55 0.2 60.7 91.1#

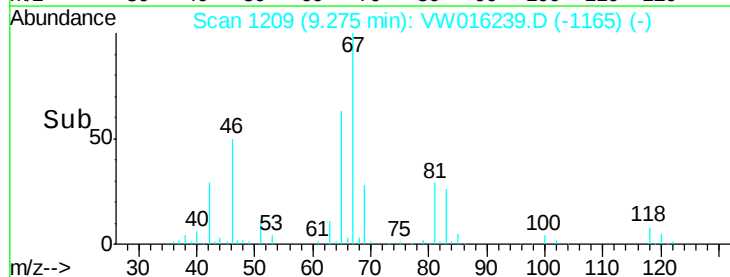
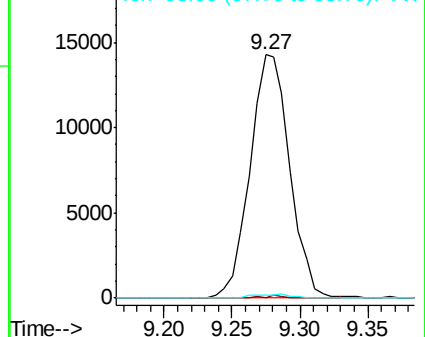
98 0.4 39.4 59.0#

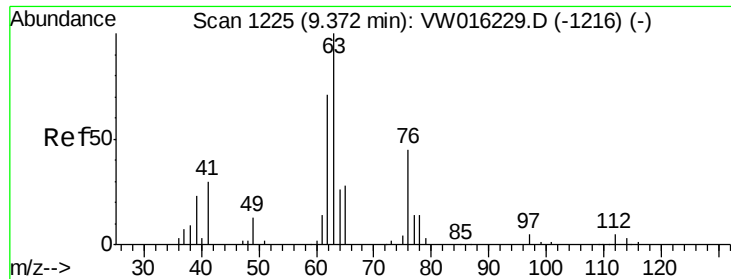


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

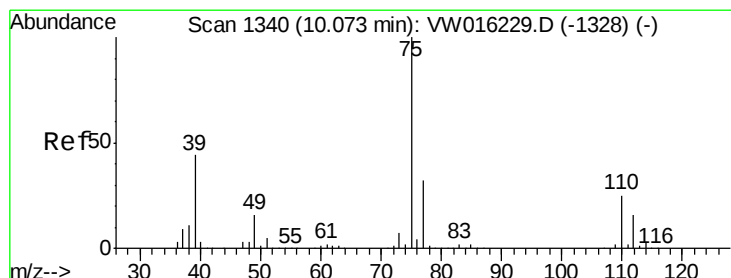
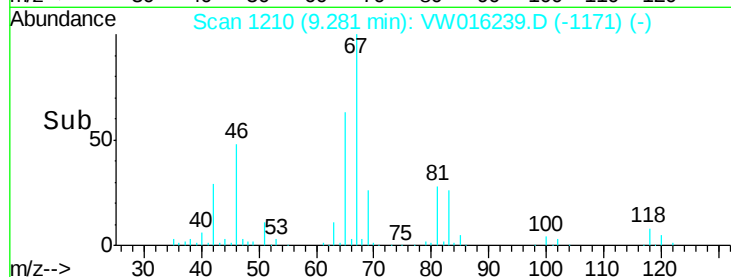
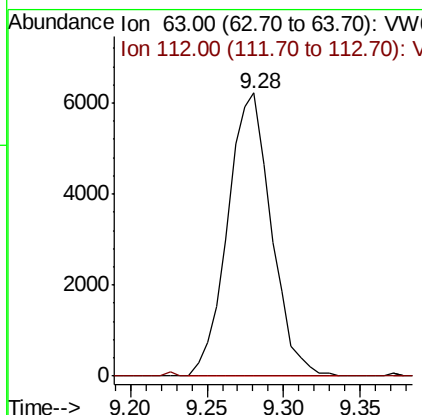
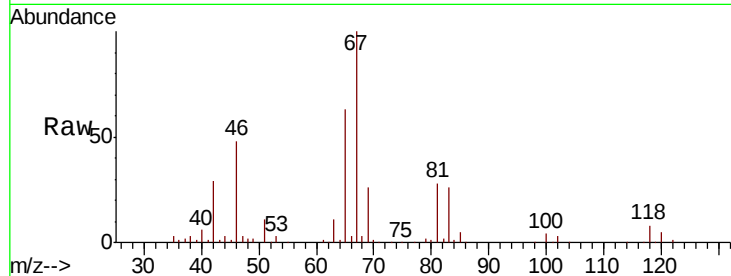




#40
 1,2-Dichloropropane
 Concen: 2.503 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016239.D
 Acq: 18 Aug 2020 14:14

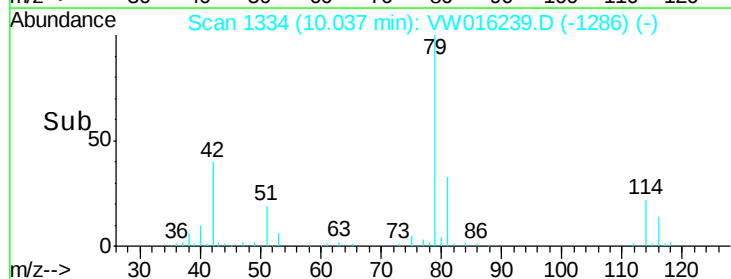
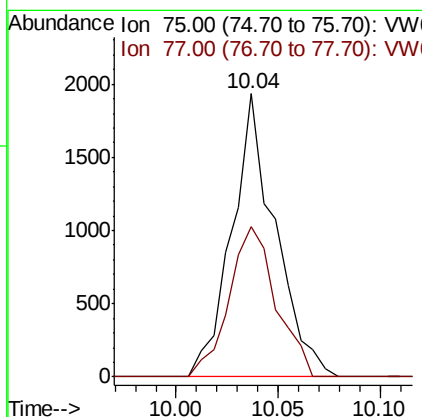
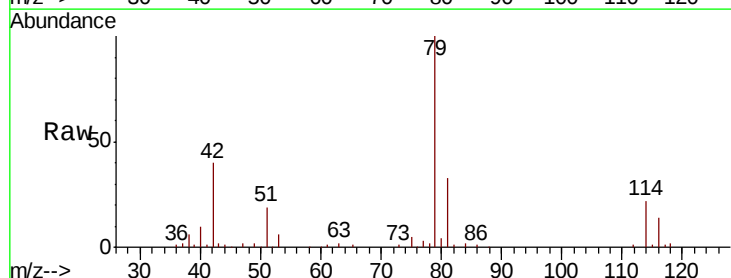
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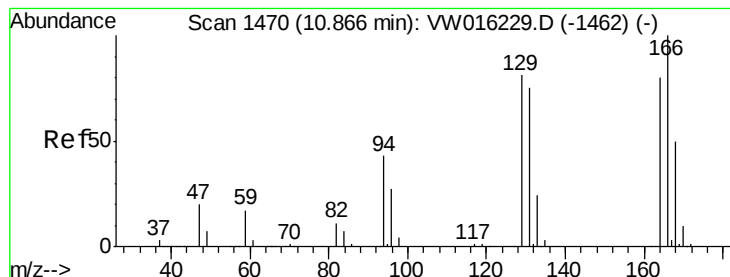
Tot Ion: 63 Resp: 12294
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.0 6.0#



#42
 cis-1,3-Dichloropropene
 Concen: 0.380 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016239.D
 Acq: 18 Aug 2020 14:14

Tgt Ion: 75 Resp: 2843
 Ion Ratio Lower Upper
 75 100
 77 53.1 22.9 42.5#





#47

Tetrachloroethene

Concen: 8.012 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016239.D

Acq: 18 Aug 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

BFSR1

Tot Ion:164 Resp: 32305

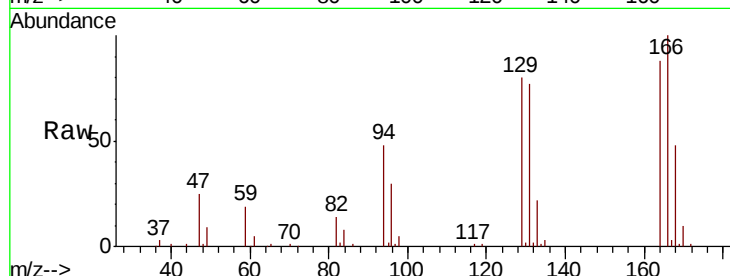
Ion Ratio Lower Upper

164 100

129 91.2 71.5 132.9

131 87.7 65.4 121.4

166 114.1 86.9 161.5

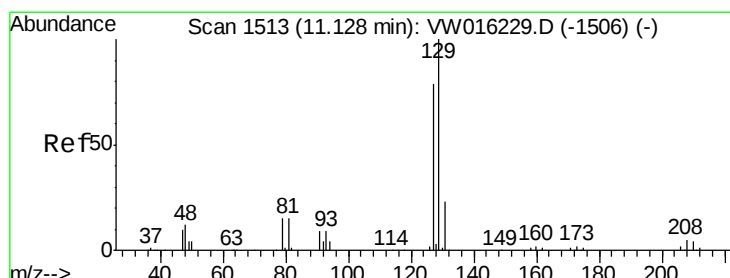
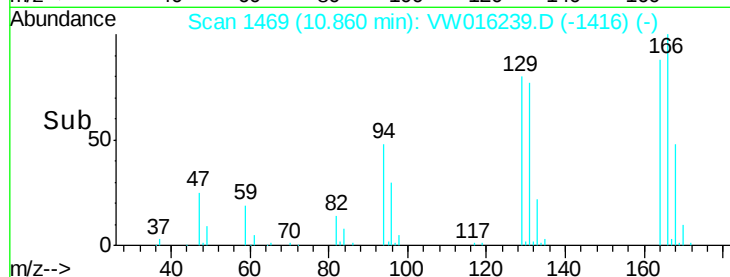
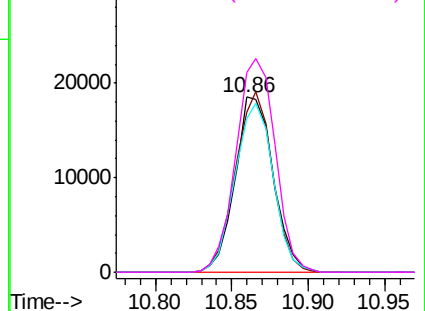


Abundance Ion 164.00 (163.70 to 164.70): V

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: 7.112 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW016239.D

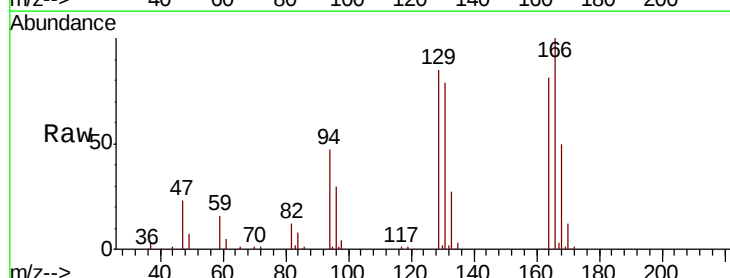
Acq: 18 Aug 2020 14:14

Tgt Ion:129 Resp: 32386

Ion Ratio Lower Upper

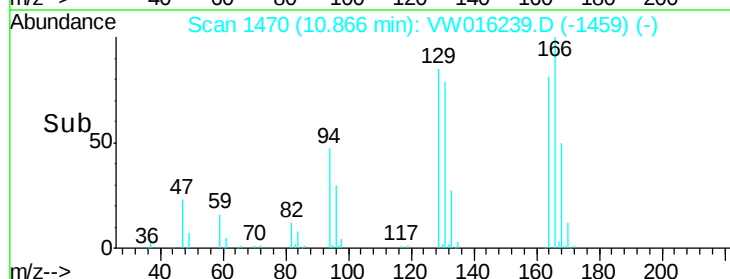
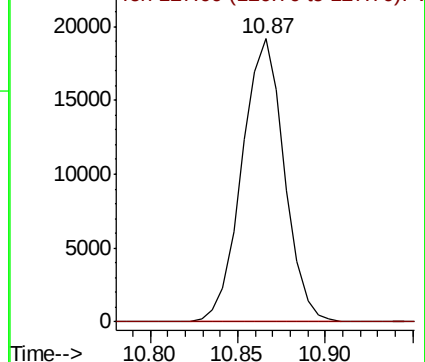
129 100

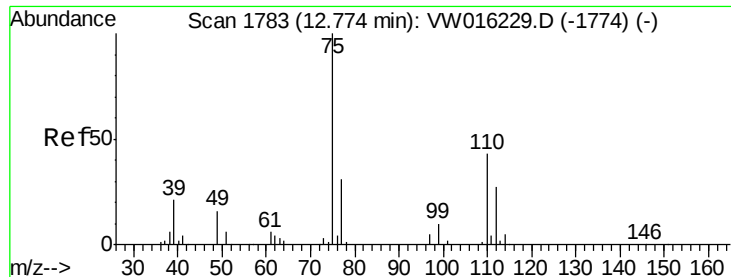
127 0.0 55.4 102.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.775 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016239.D

Acq: 18 Aug 2020 14:14

Instrument :

MSVOA_W

ClientSampleId :

BFSR1

Tot Ion: 75 Resp: 16320

Ion Ratio Lower Upper

75 100

77 37.1 25.9 38.9

