

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082420\
 Data File : VW016344.D
 Acq On : 24 Aug 2020 20:39
 Operator : SY/VA
 Sample : L3789-08
 Misc : 6.18G/10ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFS3

Quant Time: Aug 25 05:31:59 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	321944	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	273335	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	105198	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	54881	15.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.88%
7) Chloroethane-d5	2.89	69	48925	18.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.00%
10) 1,1-Dichloroethene-d2	4.01	63	104408	12.79	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	51.16%
20) 2-Butanone-d5	7.07	46	38811	39.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.40%
24) Chloroform-d	7.65	84	174723	20.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.28%
26) 1,2-Dichloroethane-d4	8.31	65	90399	20.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.60%
29) Benzene-d6	8.27	84	321473	21.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.28%
33) 1,2-Dichloropropane-d6	9.27	67	97831	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.68%
37) Toluene-d8	10.32	98	285726	19.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.40%
38) trans-1,3-Dichloropropene-	10.58	79	40052	19.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	78.60%
39) 2-Hexanone-d5	10.93	63	33633	49.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	76859	21.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	84194	20.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.48%

Target Compounds

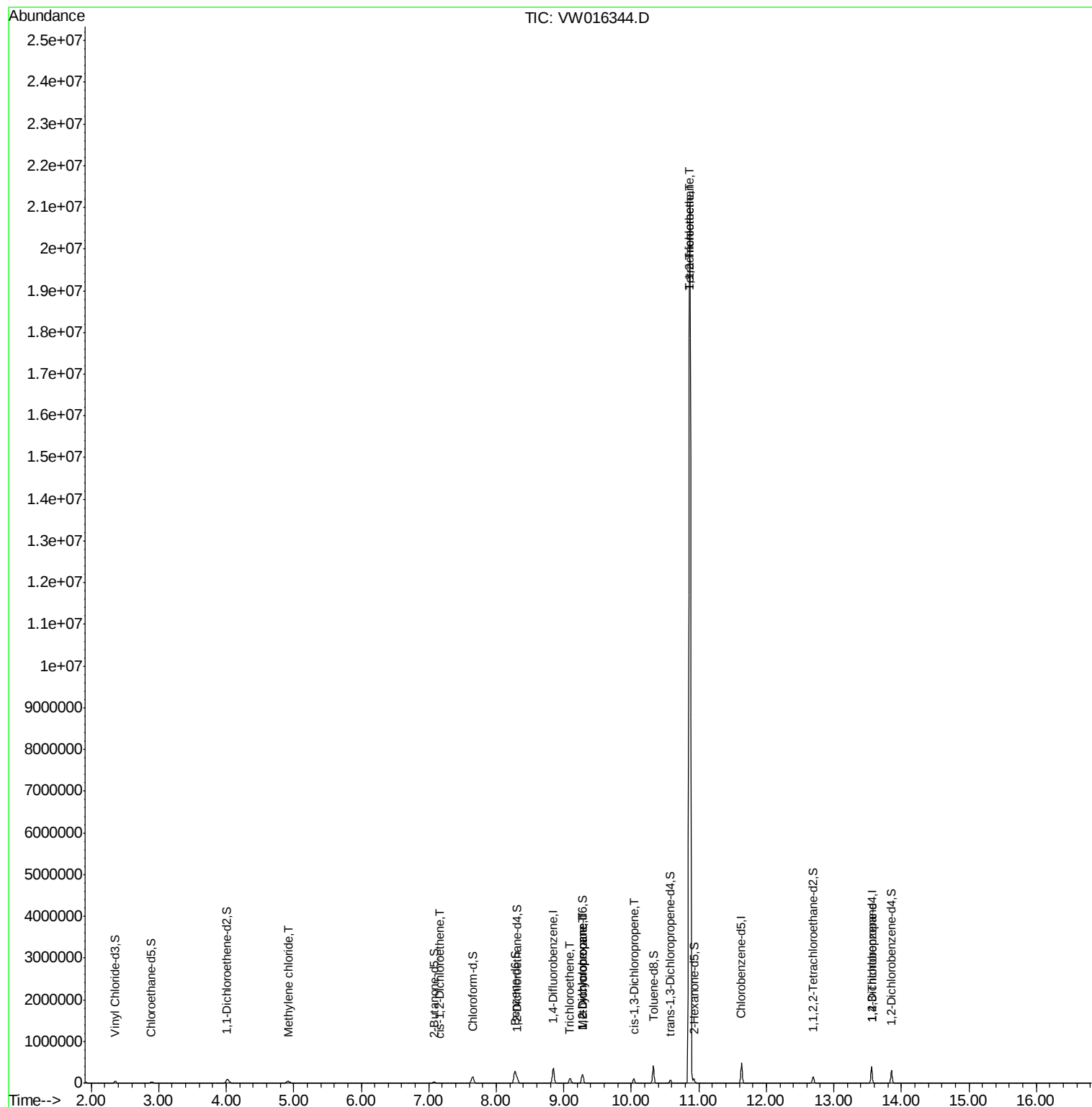
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	4.92	84	36831	6.189	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	2283	0.484	ug/L	89
35) Trichloroethene	9.09	95	40978	9.231	ug/L	97
36) Methylcyclohexane	9.28	83	25558	3.527	ug/L #	21
40) 1,2-Dichloropropane	9.28	63	10817	2.934	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	2797	0.463	ug/L #	72
46) 1,1,2-Trichloroethane	10.87	97	49053	16.118	ug/L #	15
47) Tetrachloroethene	10.87	164	5115100	1461.227	ug/L	94
59) 1,2,3-Trichloropropane	13.56	75	11593	4.408	ug/L	94

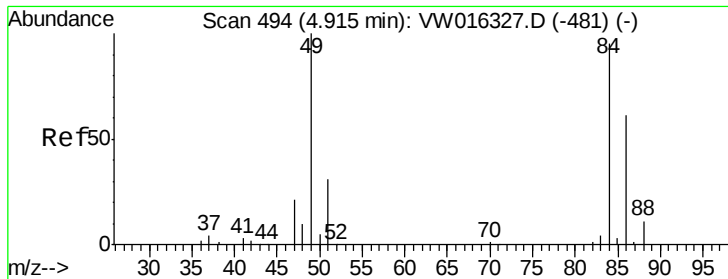
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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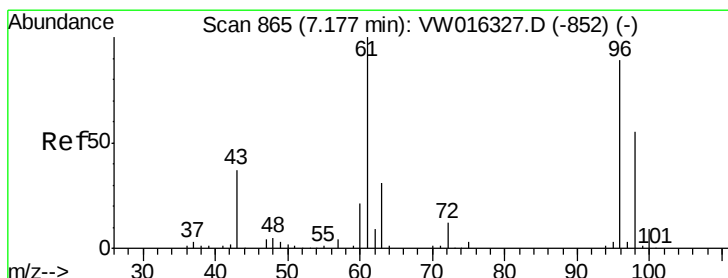
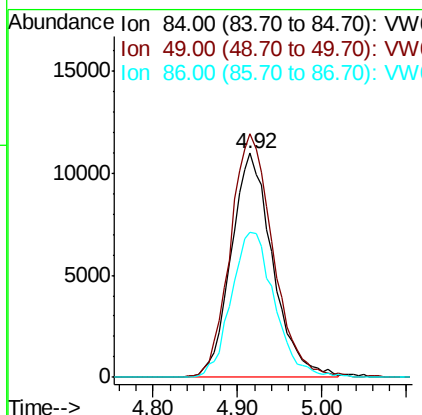
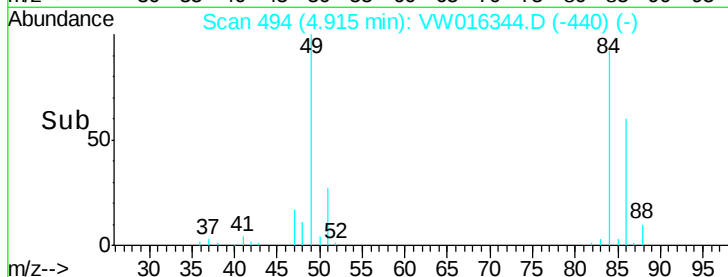
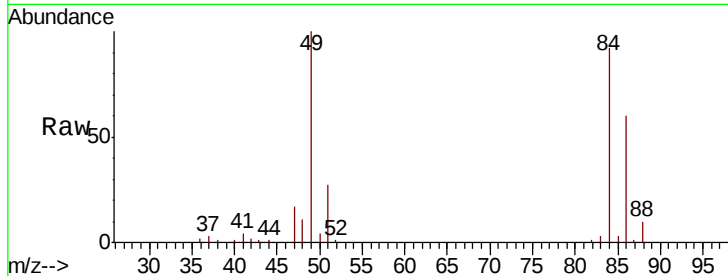




#16
Methylene chloride
Concen: 6.189 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW016344.D
Acq: 24 Aug 2020 20:39

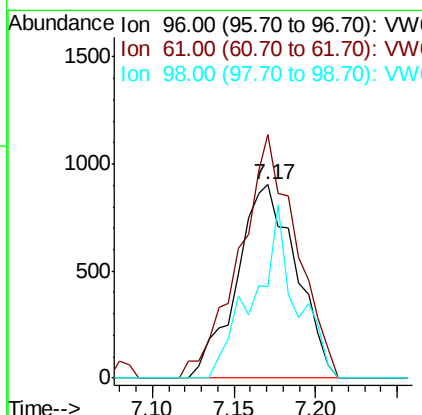
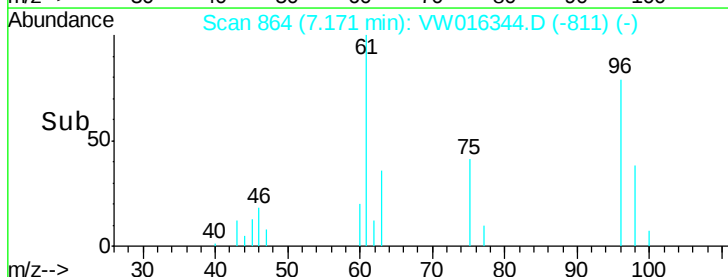
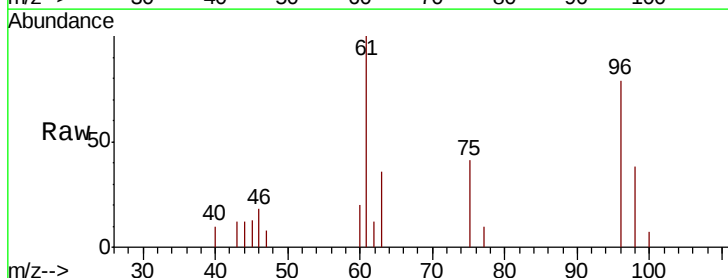
Instrument :
MSVOA_W
ClientSampleId :
BFS3

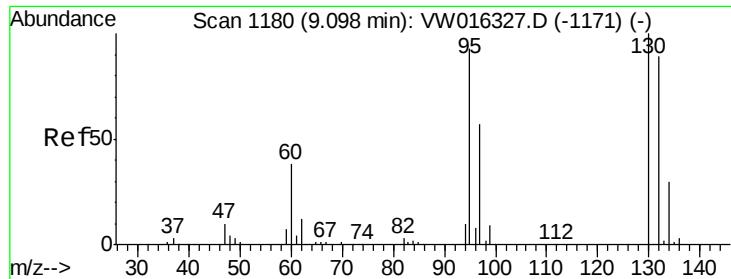
Tot Ion: 84 Resp: 36831
Ion Ratio Lower Upper
84 100
49 108.5 75.3 139.9
86 64.8 43.3 80.3



#22
cis-1,2-Dichloroethene
Concen: 0.484 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW016344.D
Acq: 24 Aug 2020 20:39

Tgt Ion: 96 Resp: 2283
Ion Ratio Lower Upper
96 100
61 125.9 84.9 157.7
98 47.4 46.8 86.8





#35

Trichloroethene

Concen: 9.231 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW016344.D

Acq: 24 Aug 2020 20:39

Instrument :

MSVOA_W

ClientSampleId :

BFSL3

Tot Ion: 95 Resp: 40978

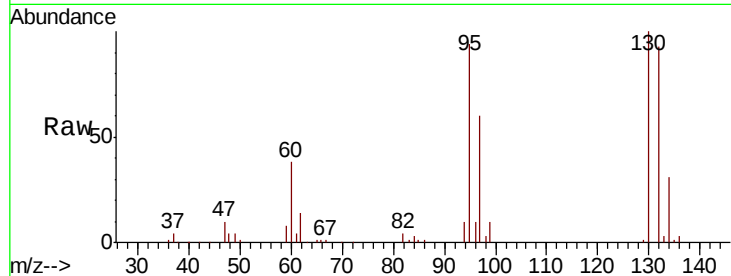
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.5

132 100.5 68.2 126.6

130 105.9 71.5 132.9

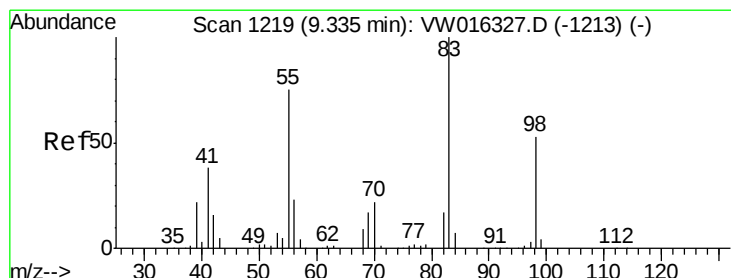
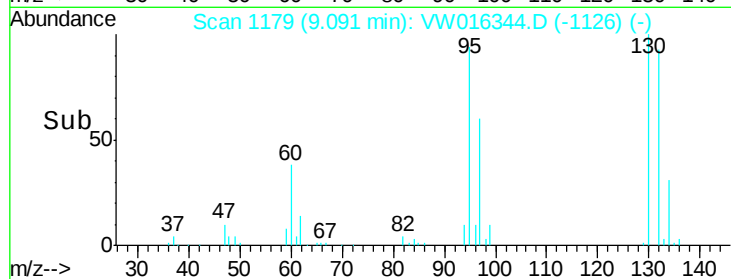
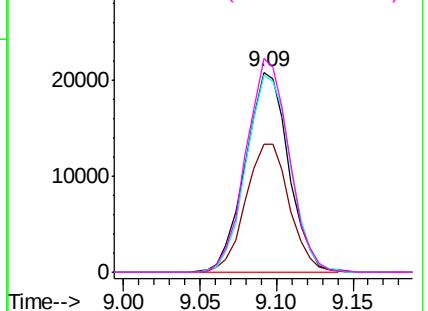


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 3.527 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.05 min

Lab File: VW016344.D

Acq: 24 Aug 2020 20:39

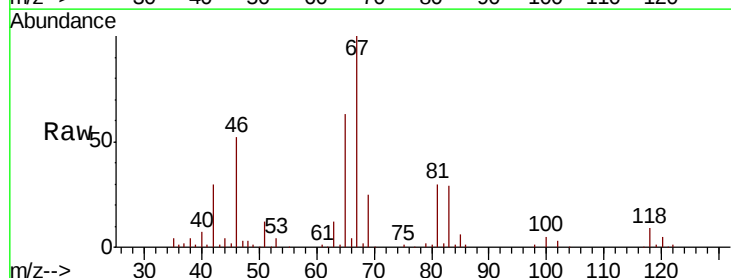
Tgt Ion: 83 Resp: 25558

Ion Ratio Lower Upper

83 100

55 0.3 55.6 83.4#

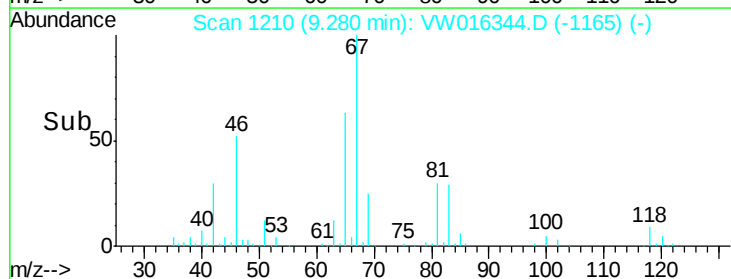
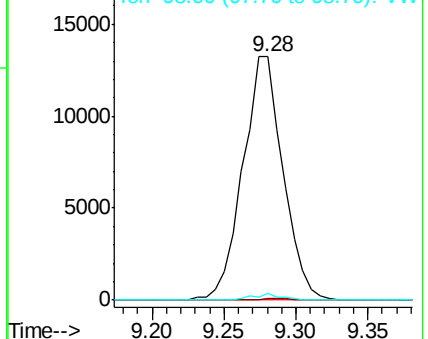
98 1.8 40.6 61.0#

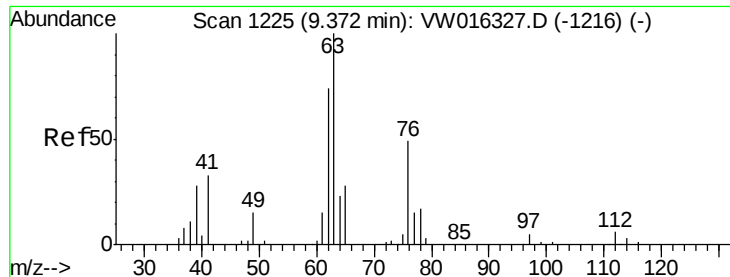


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

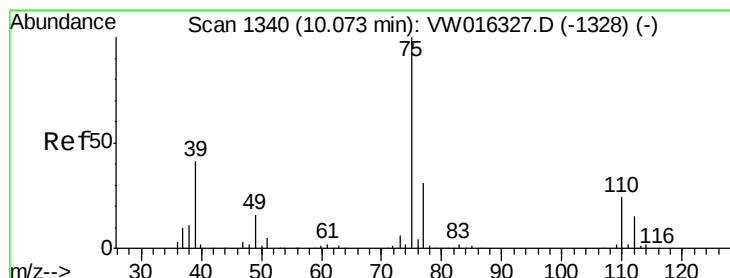
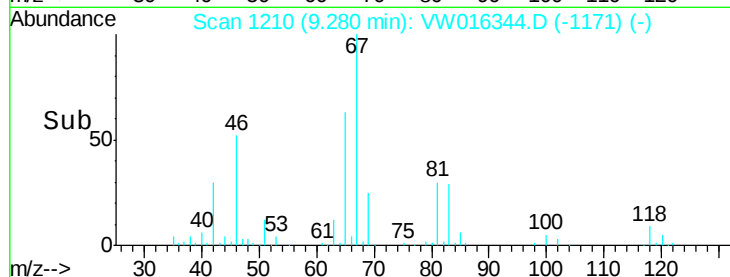
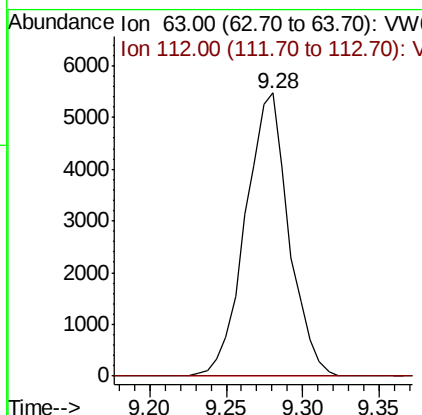
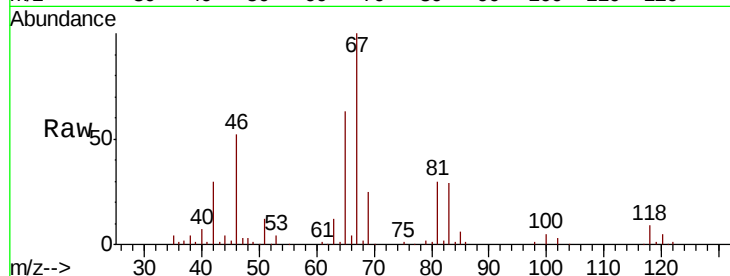




#40
 1,2-Dichloropropane
 Concen: 2.934 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016344.D
 Acq: 24 Aug 2020 20:39

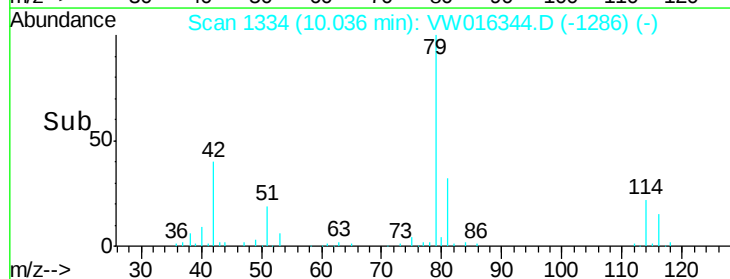
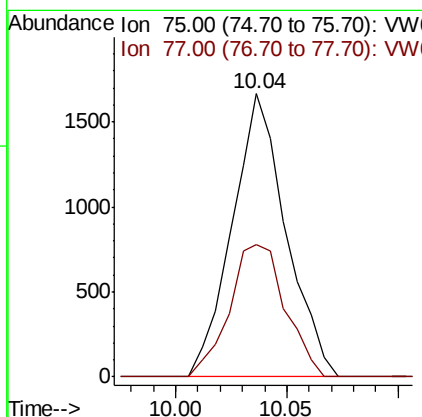
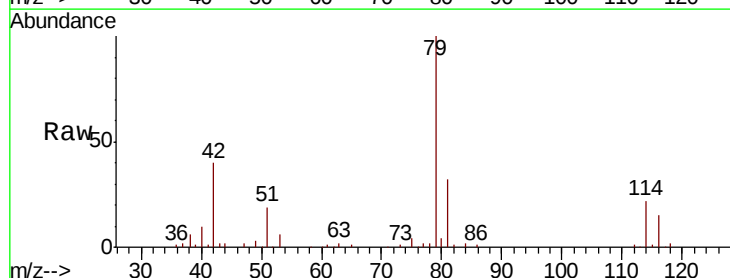
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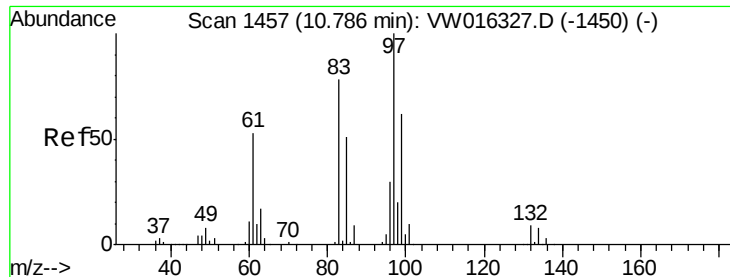
Tot Ion: 63 Resp: 10817
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#42
 cis-1,3-Dichloropropene
 Concen: 0.463 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW016344.D
 Acq: 24 Aug 2020 20:39

Tgt Ion: 75 Resp: 2797
 Ion Ratio Lower Upper
 75 100
 77 47.0 22.0 40.8#

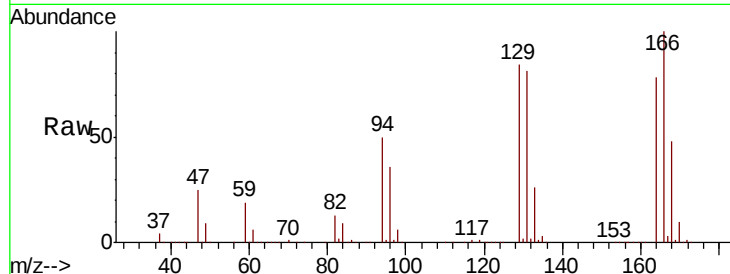




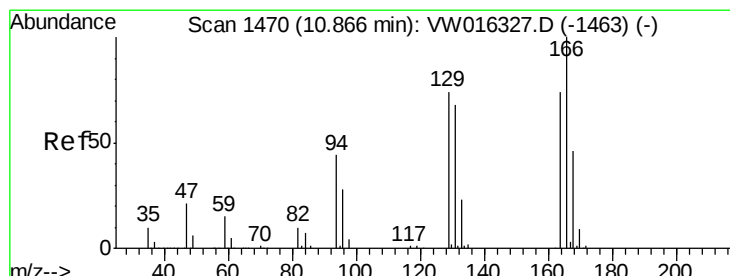
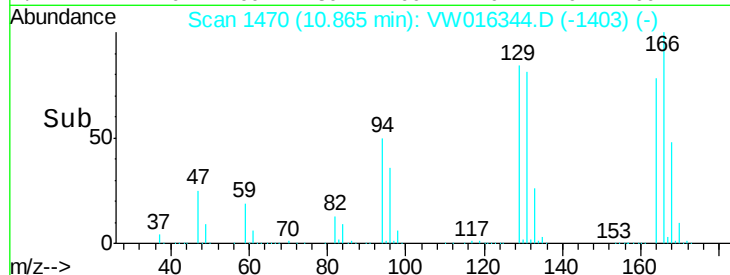
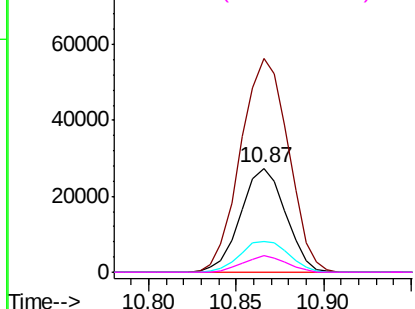
#46
1,1,2-Trichloroethane
Concen: 16.118 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.08 min
Lab File: VW016344.D
Acq: 24 Aug 2020 20:39

Instrument :
MSVOA_W
ClientSampleId :
BFS3

Tot Ion: 97 Resp: 49053
Ion Ratio Lower Upper
97 100
83 205.0 57.9 107.5#
85 29.0 38.8 72.0#
99 15.8 46.4 86.2#



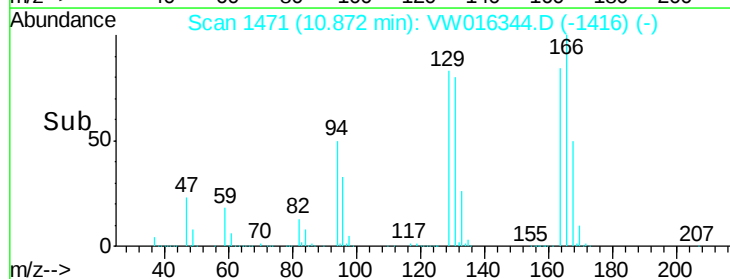
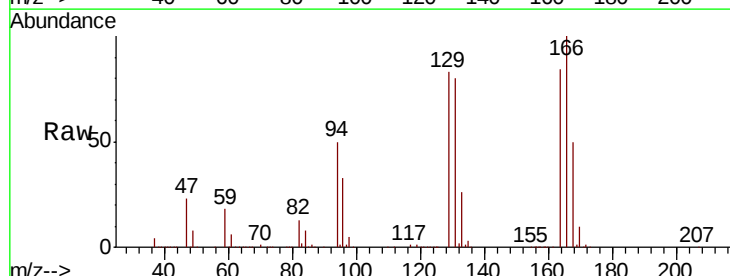
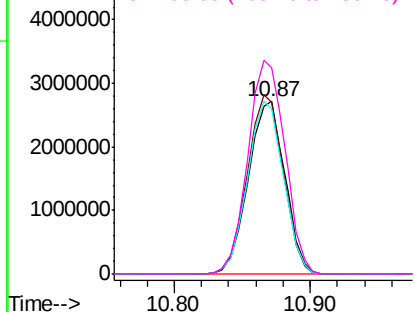
Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

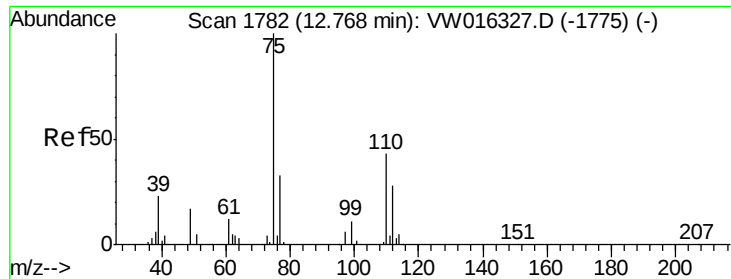


#47
Tetrachloroethene
Concen: 1461.227 ug/L
RT: 10.87 min Scan# 1471
Delta R.T. 0.01 min
Lab File: VW016344.D
Acq: 24 Aug 2020 20:39

Tgt Ion: 164 Resp: 5115100
Ion Ratio Lower Upper
164 100
129 99.4 71.5 132.7
131 95.4 67.4 125.2
166 119.2 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





#59

1,2,3-Trichloropropane

Concen: 4.408 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016344.D

Acq: 24 Aug 2020 20:39

Instrument :

MSVOA_W

ClientSampleId :

BFSL3

Tot Ion: 75 Resp: 11593

Ion Ratio Lower Upper

75 100

77 37.4 27.1 40.7

