

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016245.D
 Acq On : 18 Aug 2020 17:41
 Operator : SY/VA
 Sample : L3709-13
 Misc : 6.68G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWQ6

Quant Time: Aug 19 05:53:11 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	349558	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	289985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	88540	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	72496	16.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.92%
7) Chloroethane-d5	2.89	69	58074	17.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.60%
10) 1,1-Dichloroethene-d2	4.01	63	122863	13.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.40%
20) 2-Butanone-d5	7.08	46	44465	38.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.98%
24) Chloroform-d	7.65	84	188961	20.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.56%
26) 1,2-Dichloroethane-d4	8.31	65	98169	19.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.80%
29) Benzene-d6	8.27	84	355580	22.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.16%
33) 1,2-Dichloropropane-d6	9.27	67	109848	23.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.72%
37) Toluene-d8	10.33	98	307503	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.00%
38) trans-1,3-Dichloropropene-	10.58	79	44142	21.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.68%
39) 2-Hexanone-d5	10.93	63	38961	48.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	88568	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	73857	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

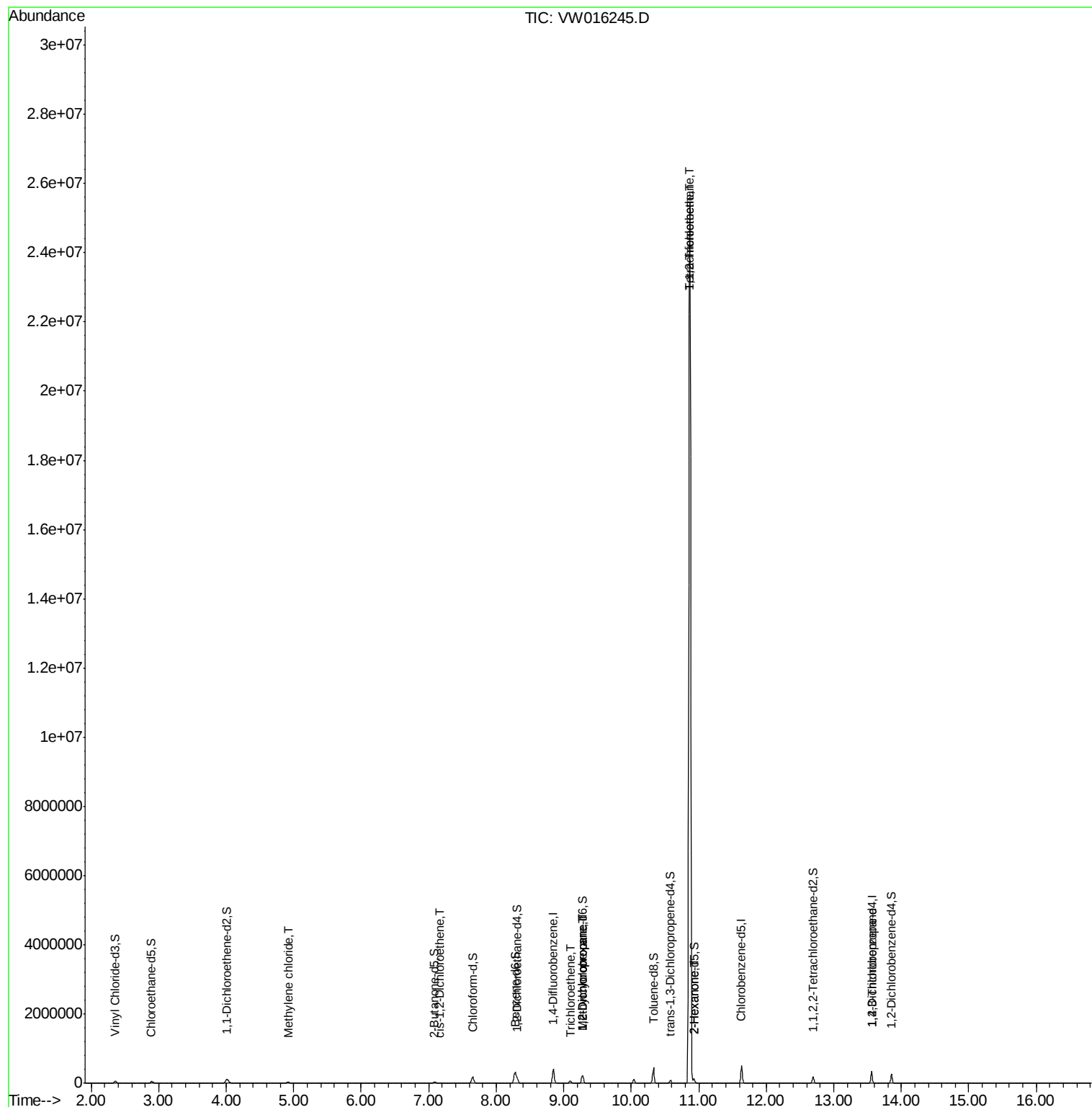
					Ovalue
16) Methylene chloride	4.92	84	21285	3.856 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	3453	0.694 ug/L	93
35) Trichloroethene	9.09	95	21163	4.707 ug/L	97
36) Methylcyclohexane	9.27	83	28754	3.882 ug/L #	19
40) 1,2-Dichloropropane	9.28	63	11795	2.872 ug/L #	86
46) 1,1,2-Trichloroethane	10.87	97	56675	17.533 ug/L #	1
47) Tetrachloroethene	10.87	164	5948282	1764.589 ug/L	96
49) 2-Hexanone	10.93	43	4416	2.650 ug/L #	68
59) 1,2,3-Trichloropropane	13.56	75	10636	3.722 ug/L	93

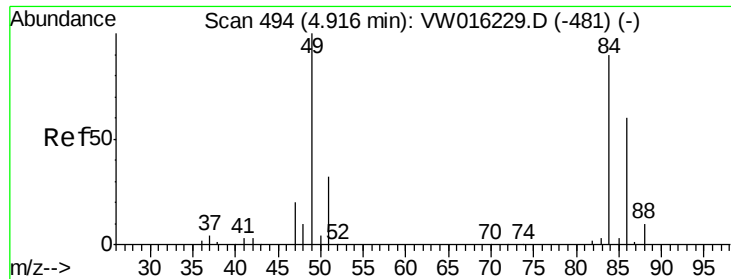
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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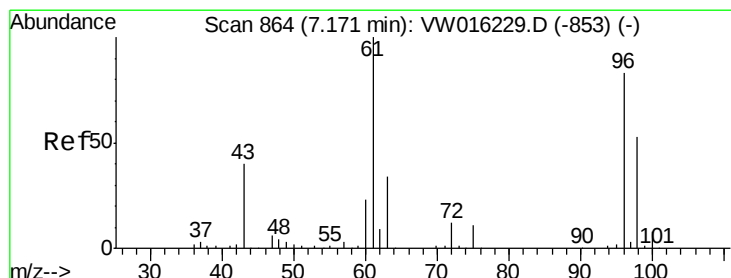
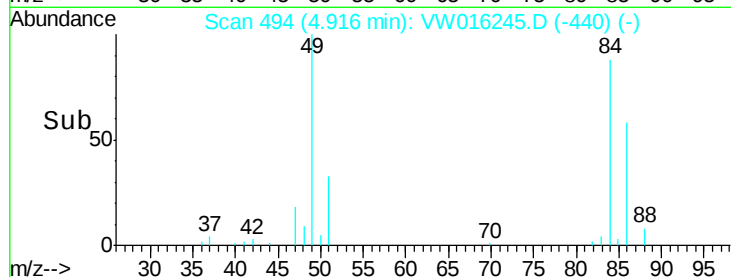
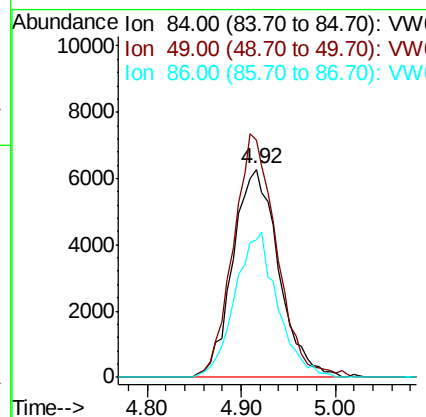
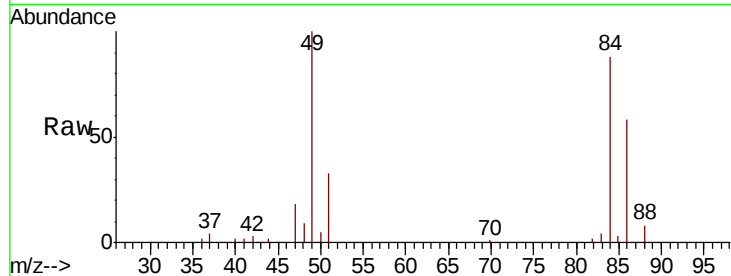




#16
Methylene chloride
Concen: 3.856 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016245.D
Acq: 18 Aug 2020 17:41

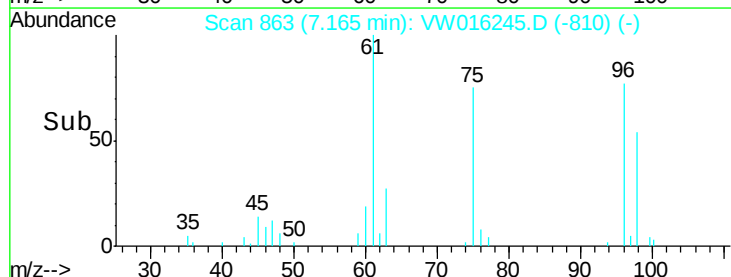
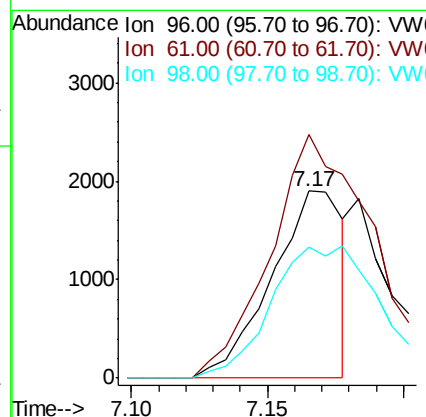
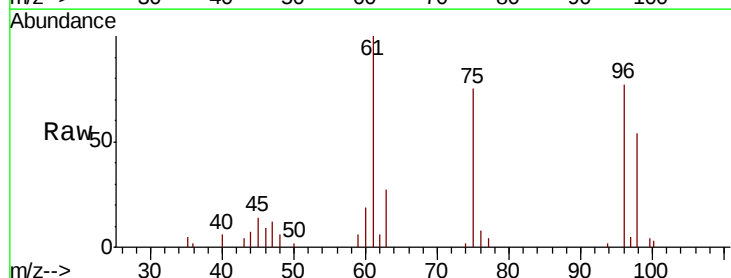
Instrument :
MSVOA_W
ClientSampled :
BFWQ6

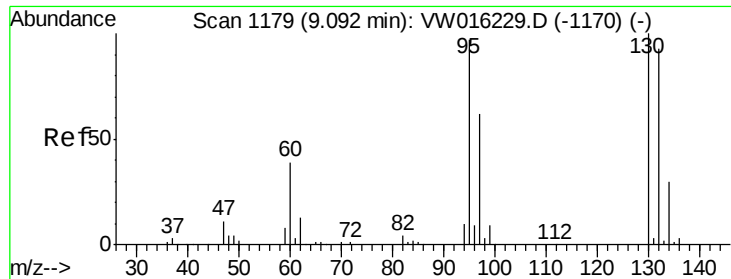
Tot Ion: 84 Resp: 21285
Ion Ratio Lower Upper
84 100
49 114.2 80.4 149.4
86 66.2 43.8 81.3



#22
cis-1,2-Dichloroethene
Concen: 0.694 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW016245.D
Acq: 18 Aug 2020 17:41

Tgt Ion: 96 Resp: 3453
Ion Ratio Lower Upper
96 100
61 130.1 87.0 161.6
98 70.3 44.0 81.6

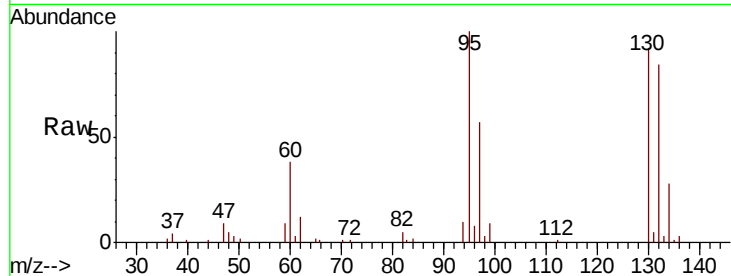




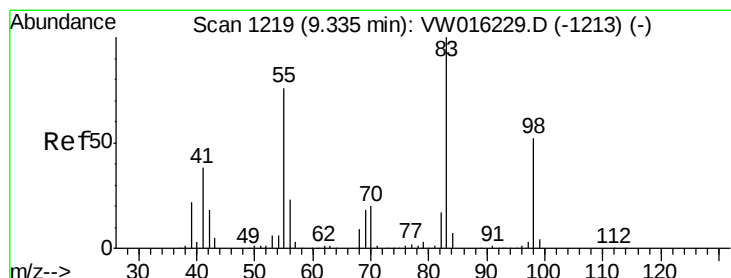
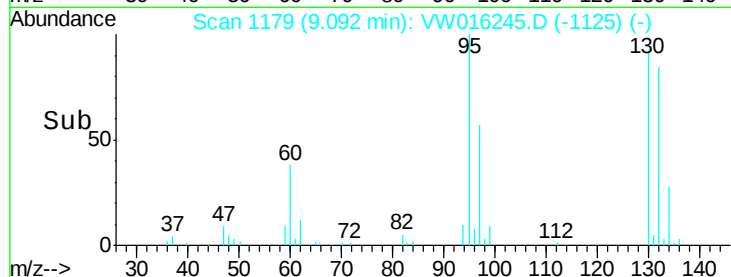
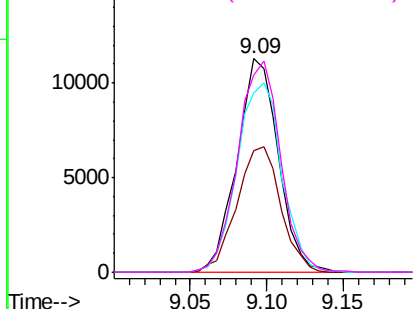
#35
 Trichloroethene
 Concen: 4.707 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016245.D
 Acq: 18 Aug 2020 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWQ6

Tot Ion: 95 Resp: 21163
 Ion Ratio Lower Upper
 95 100
 97 62.4 44.9 83.3
 132 96.5 65.8 122.2
 130 102.8 69.5 129.1

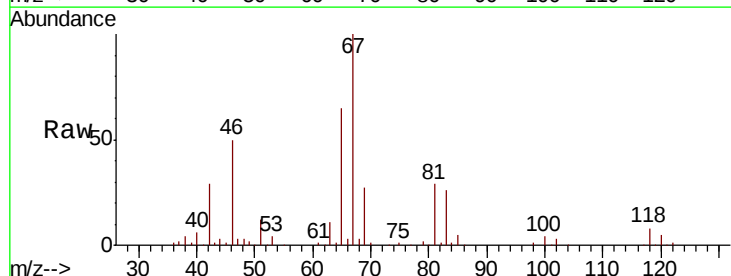


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

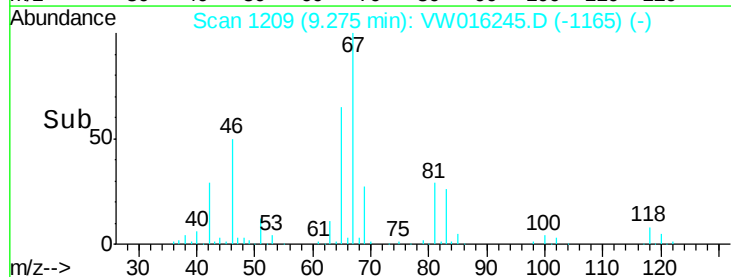
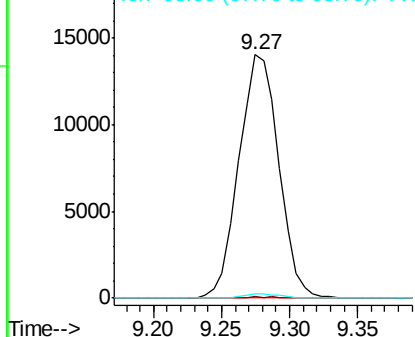


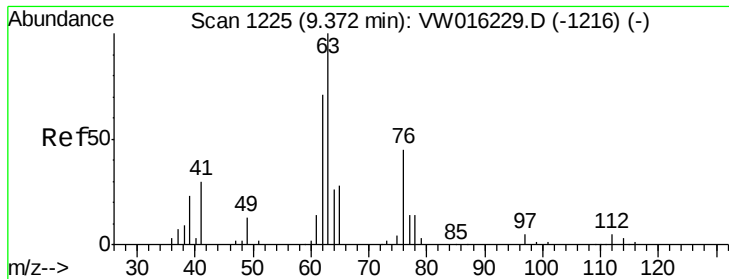
#36
 Methylcyclohexane
 Concen: 3.882 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.06 min
 Lab File: VW016245.D
 Acq: 18 Aug 2020 17:41

Tgt Ion: 83 Resp: 28754
 Ion Ratio Lower Upper
 83 100
 55 0.3 60.7 91.1#
 98 1.6 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

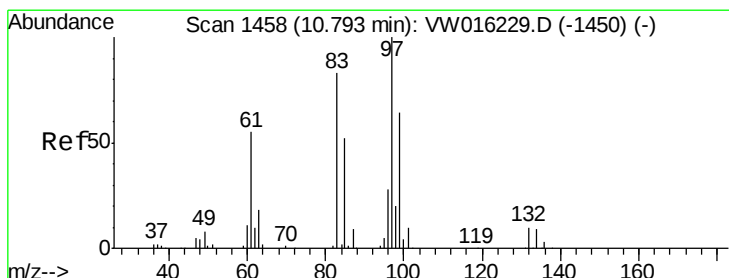
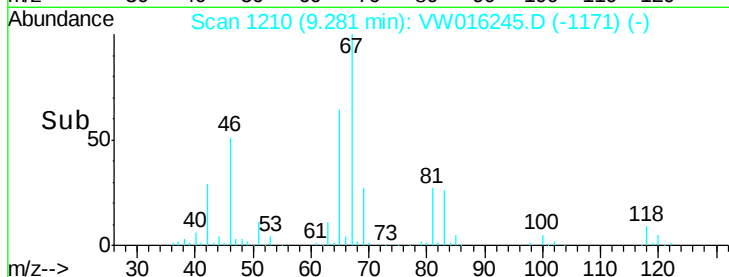
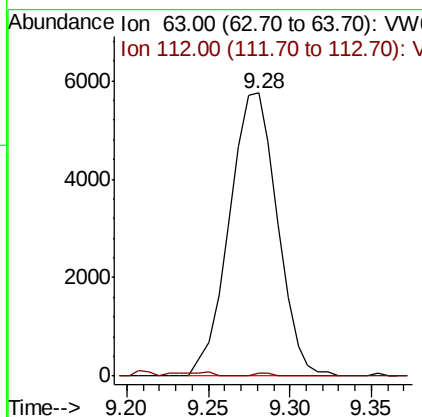
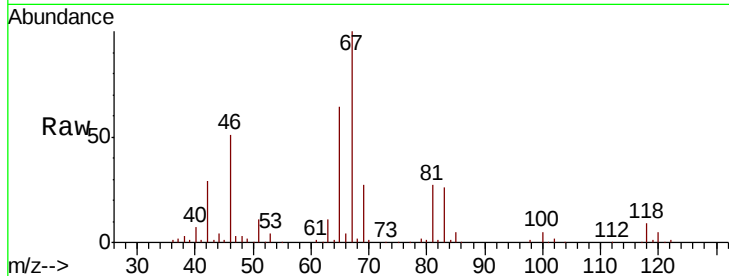




#40
 1,2-Dichloropropane
 Concen: 2.872 ug/L
 RT: 9.28 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: VW016245.D
 Acq: 18 Aug 2020 17:41

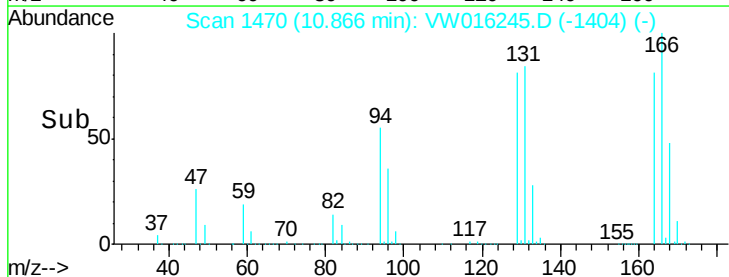
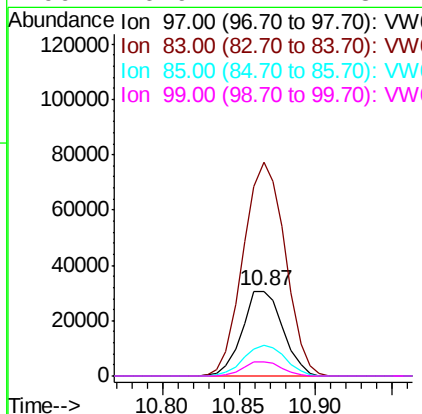
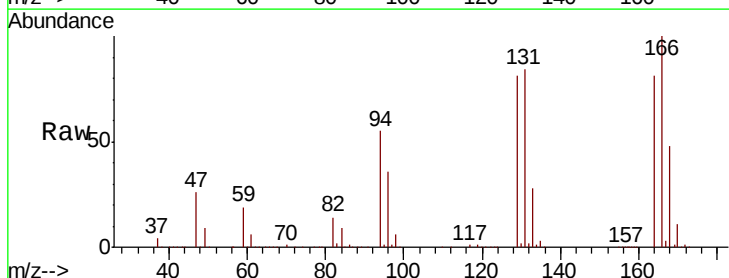
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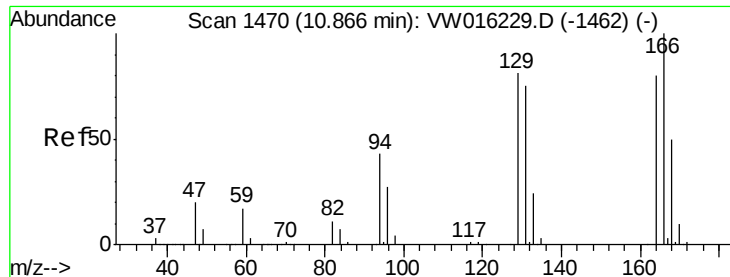
Tot Ion: 63 Resp: 11795
 Ion Ratio Lower Upper
 63 100
 112 0.4 4.0 6.0#



#46
 1,1,2-Trichloroethane
 Concen: 17.533 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.07 min
 Lab File: VW016245.D
 Acq: 18 Aug 2020 17:41

Tgt Ion: 97 Resp: 56675
 Ion Ratio Lower Upper
 97 100
 83 251.7 57.8 107.4#
 85 36.0 38.0 70.6#
 99 16.9 44.4 82.4#



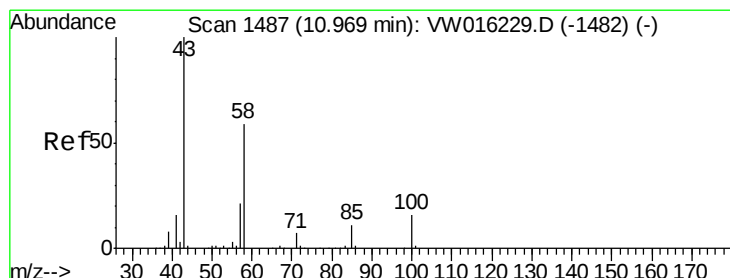
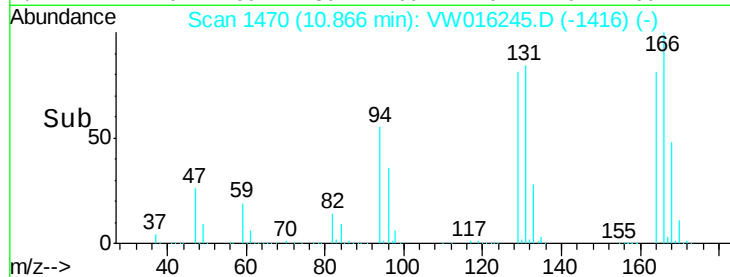
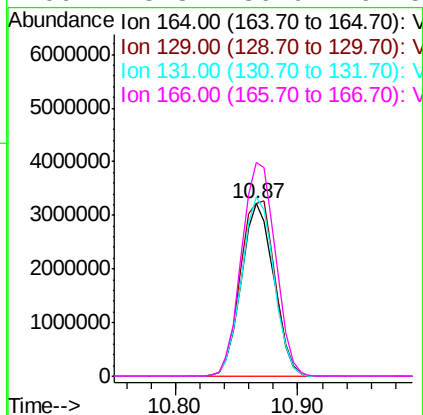
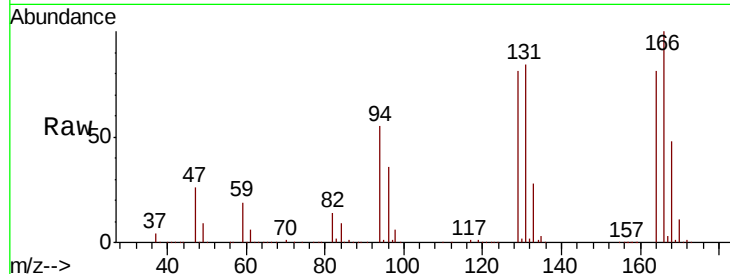


#47
 Tetrachloroethene
 Concen: 1764.589 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016245.D
 Acq: 18 Aug 2020 17:41

Instrument :
 MSVOA_W
 ClientSampleId :
 BFWQ6

Tot Ion:164 Resp: 5948282

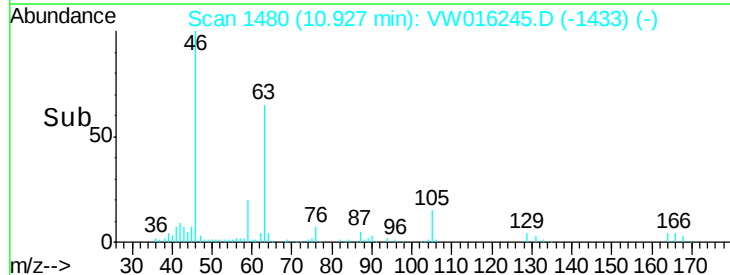
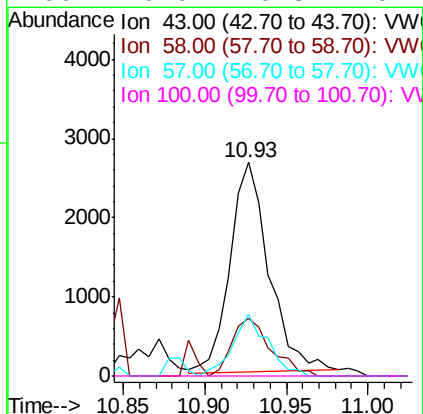
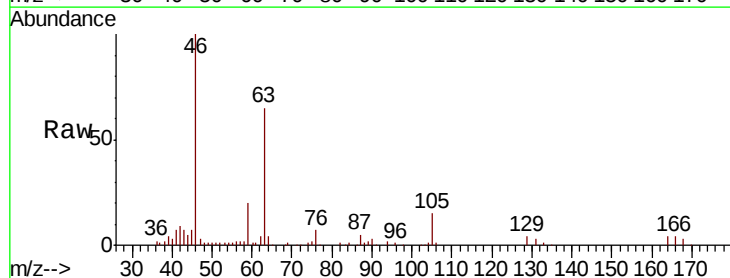
Ion	Ratio	Lower	Upper
164	100		
129	99.8	71.5	132.9
131	104.2	65.4	121.4
166	123.8	86.9	161.5

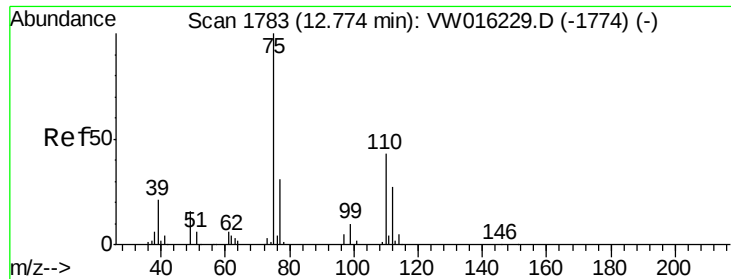


#49
 2-Hexanone
 Concen: 2.650 ug/L
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: VW016245.D
 Acq: 18 Aug 2020 17:41

Tgt Ion: 43 Resp: 4416

Ion	Ratio	Lower	Upper
43	100		
58	27.4	44.2	66.2#
57	26.2	15.8	23.6#
100	0.0	10.8	16.2#





#59

1,2,3-Trichloropropane

Concen: 3.722 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016245.D

Acq: 18 Aug 2020 17:41

Instrument :

MSVOA_W

ClientSampleId :

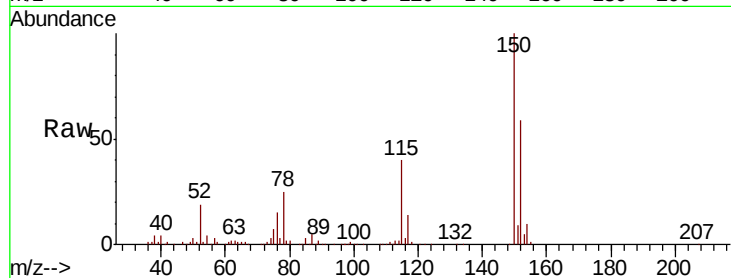
BFWQ6

Tot Ion: 75 Resp: 10636

Ion Ratio Lower Upper

75 100

77 36.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

