

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\
 Data File : VW016237.D
 Acq On : 18 Aug 2020 13:27
 Operator : SY/VA
 Sample : L3709-10
 Misc : 5.52G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFSR3

Quant Time: Aug 19 05:51:52 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	96784	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	80291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	19472	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	27268	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	2.89	69	23427	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
10) 1,1-Dichloroethene-d2	4.01	63	41677	16.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.40%
20) 2-Butanone-d5	7.09	46	14890	47.16	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.32%
24) Chloroform-d	7.65	84	62281	23.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.92%
26) 1,2-Dichloroethane-d4	8.31	65	33222	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.32%
29) Benzene-d6	8.28	84	115267	26.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.56%
33) 1,2-Dichloropropane-d6	9.28	67	36188	28.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.68%
37) Toluene-d8	10.33	98	87491	21.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.36%
38) trans-1,3-Dichloropropene-	10.58	79	13050	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.44%
39) 2-Hexanone-d5	10.93	63	12201	55.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	29907	28.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	21129	30.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	122.44%#

Target Compounds

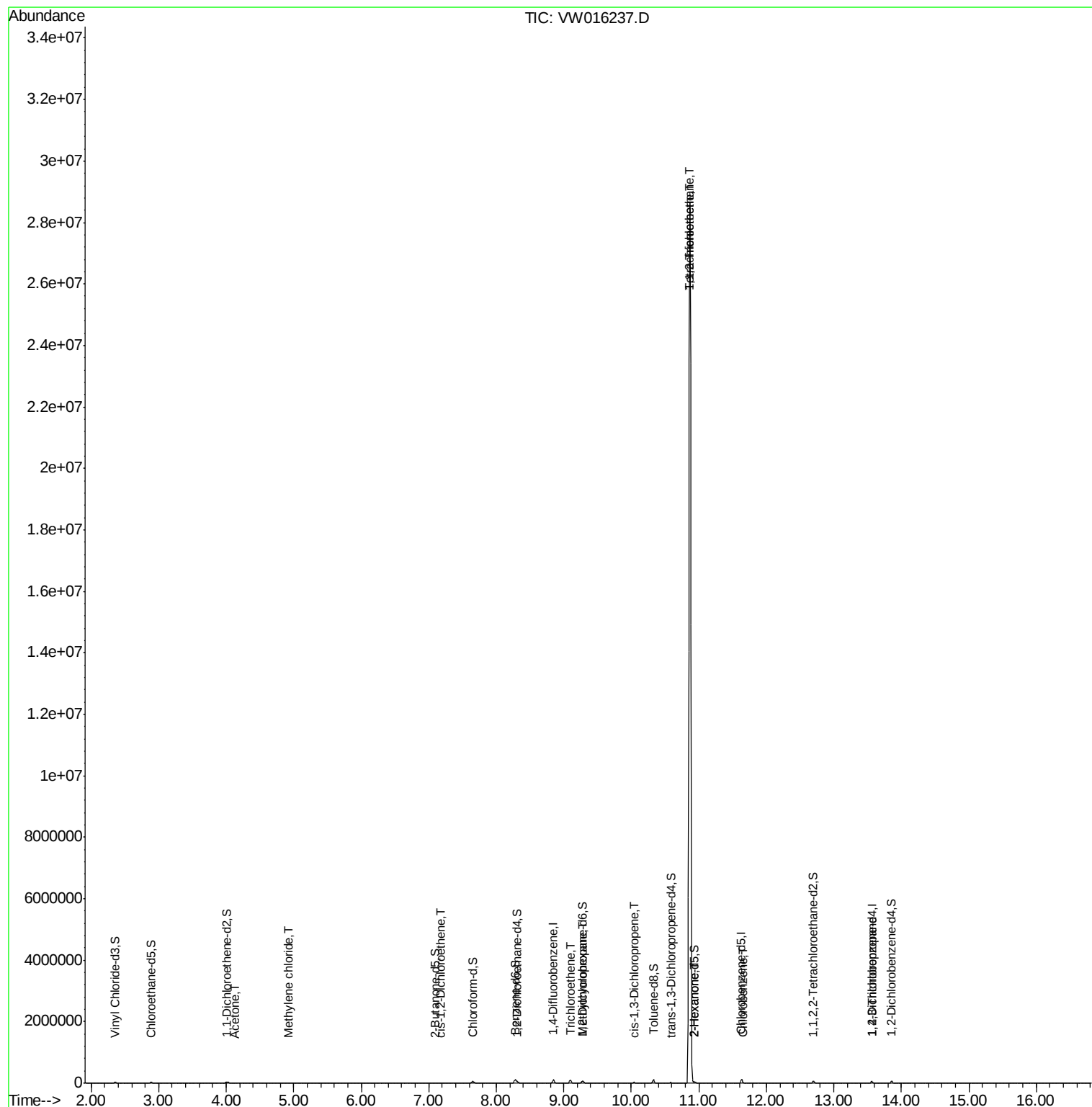
					Ovalue
13) Acetone	4.13	43	857	3.588	ug/L 99
16) Methylene chloride	4.91	84	4019	2.630	ug/L 94
22) cis-1,2-Dichloroethene	7.18	96	6233	4.522	ug/L 87
35) Trichloroethene	9.09	95	36597	29.395	ug/L 96
36) Methylcyclohexane	9.28	83	9529	4.646	ug/L # 18
42) cis-1,3-Dichloropropene	10.04	75	827	0.478	ug/L 83
46) 1,1,2-Trichloroethane	10.87	97	67643	75.577	ug/L # 7
47) Tetrachloroethene	10.87	164	6964541	7461.965	ug/L 93
49) 2-Hexanone	10.93	43	1549	3.357	ug/L # 59
52) Chlorobenzene	11.66	112	1368	0.423	ug/L # 84
59) 1,2,3-Trichloropropane	13.56	75	2395	3.027	ug/L 91

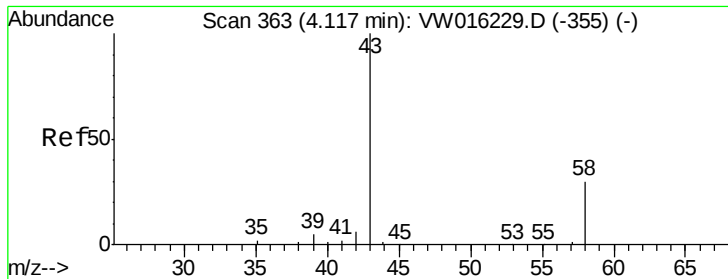
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Aug 19 05:49:31 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.588 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW016237.D

Acq: 18 Aug 2020 13:27

Instrument :

MSVOA_W

ClientSampled :

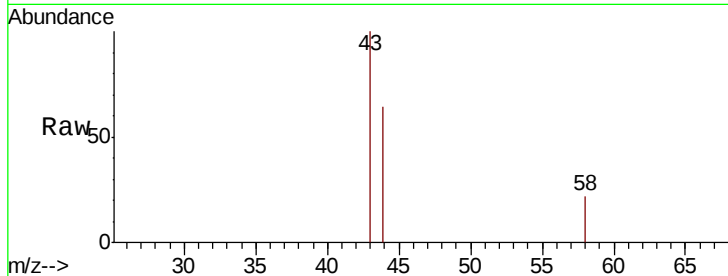
BFSR3

Tot Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

58 30.2 0.0 59.4



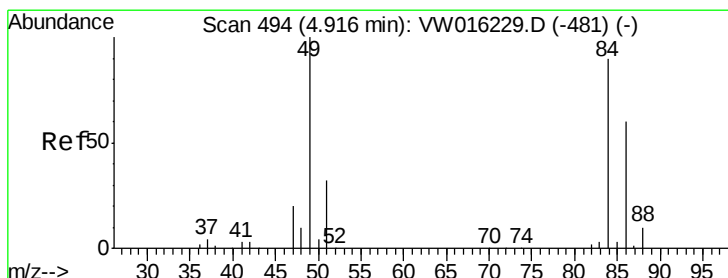
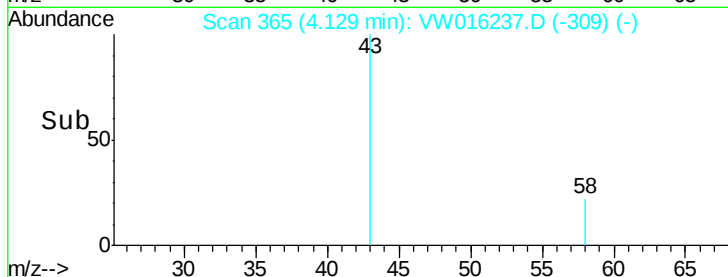
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

4.15

Time-->



#16

Methylene chloride

Concen: 2.630 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW016237.D

Acq: 18 Aug 2020 13:27

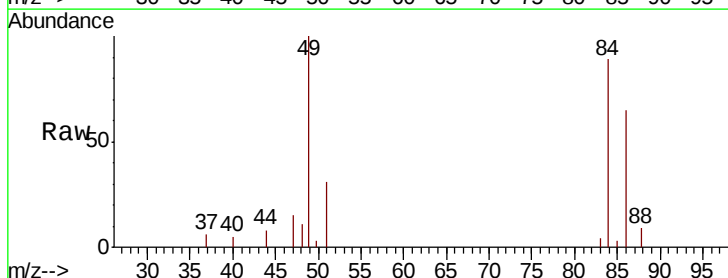
Tgt Ion: 84 Resp: 4019

Ion Ratio Lower Upper

84 100

49 112.7 80.4 149.4

86 72.8 43.8 81.3



Abundance Ion 84.00 (83.70 to 84.70): VW

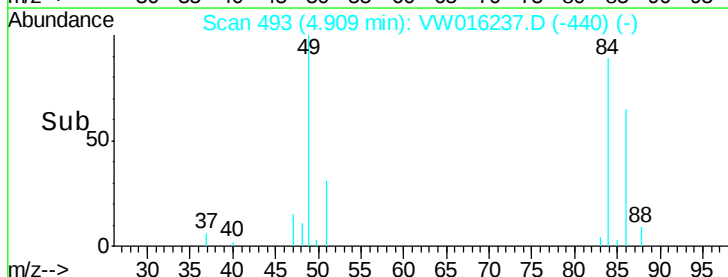
Ion 49.00 (48.70 to 49.70): VW

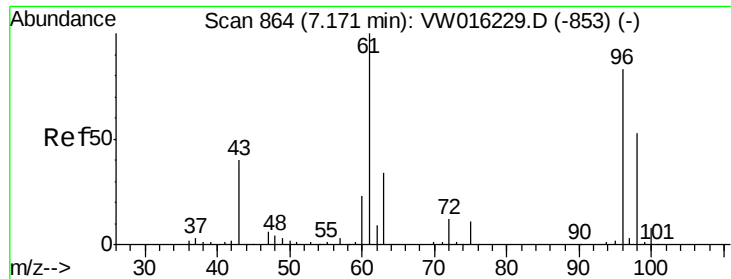
Ion 86.00 (85.70 to 86.70): VW

4.91

4.95

Time-->



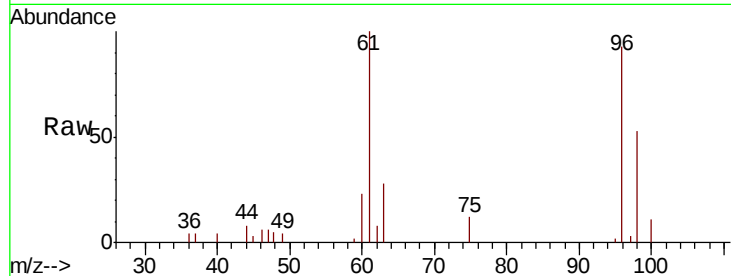


#22

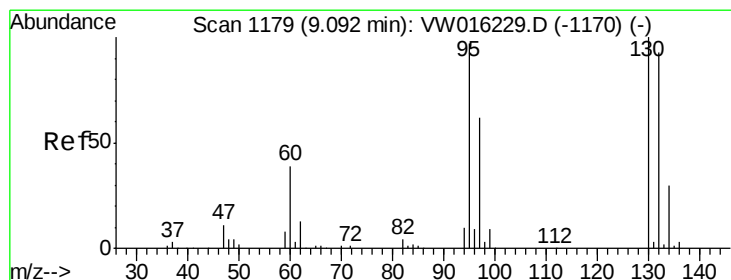
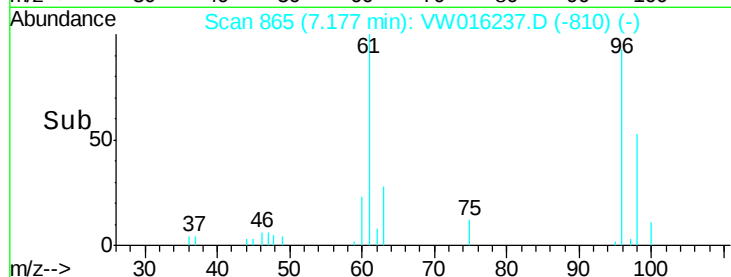
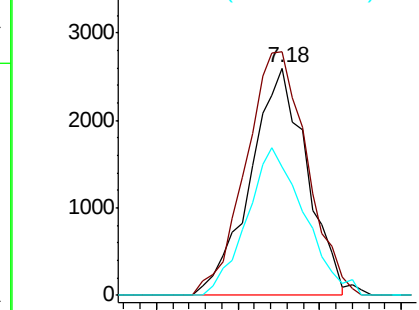
cis-1,2-Dichloroethene
Concen: 4.522 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016237.D
Acq: 18 Aug 2020 13:27

Instrument :
MSVOA_W
ClientSampleId :
BFSR3

Tot Ion: 96 Resp: 6233
Ion Ratio Lower Upper
96 100
61 107.0 87.0 161.6
98 56.7 44.0 81.6



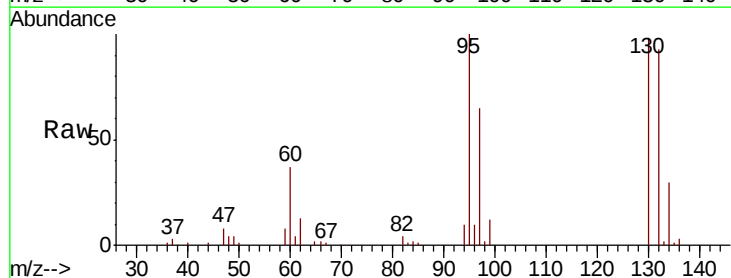
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



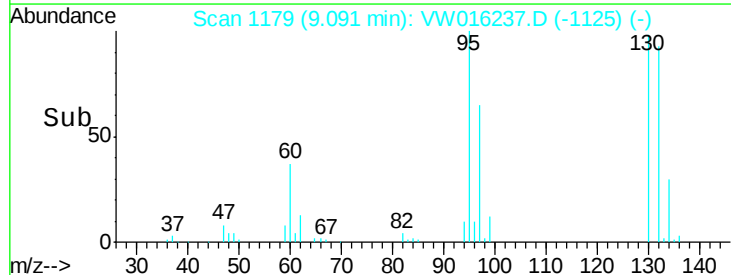
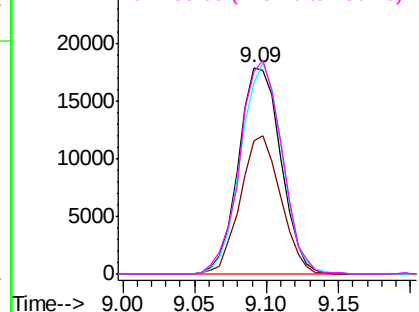
#35

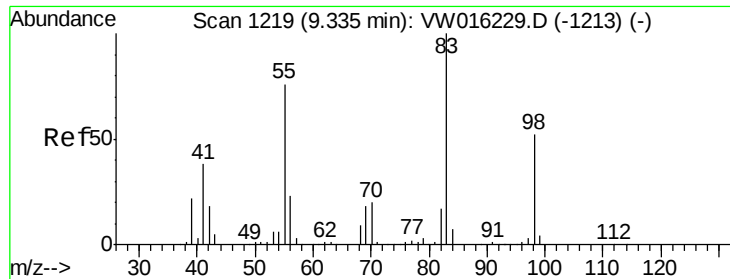
Trichloroethene
Concen: 29.395 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW016237.D
Acq: 18 Aug 2020 13:27

Tgt Ion: 95 Resp: 36597
Ion Ratio Lower Upper
95 100
97 64.1 44.9 83.3
132 99.7 65.8 122.2
130 102.9 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

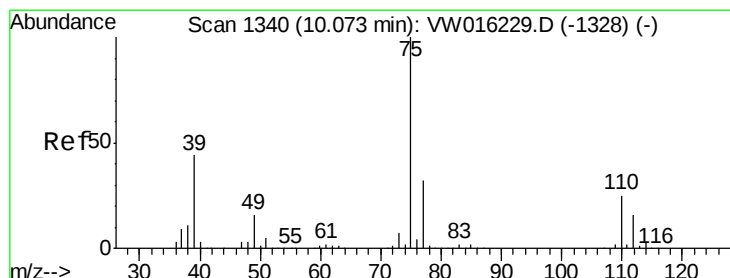
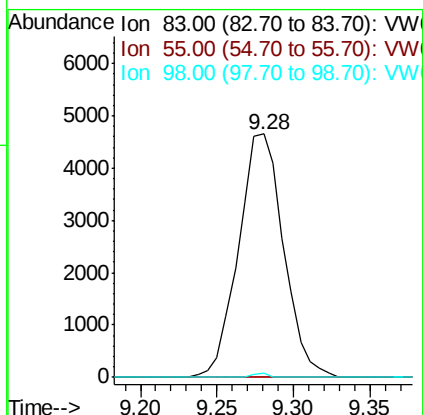
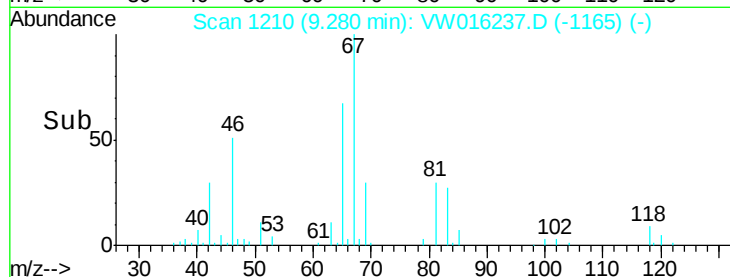
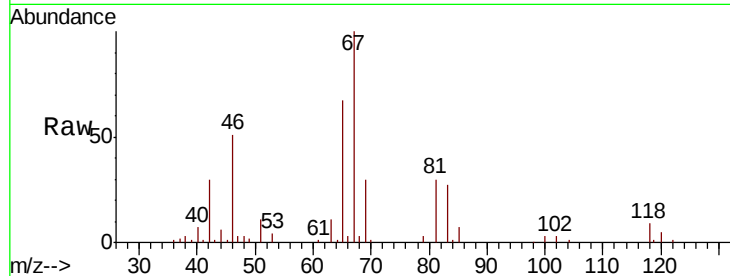




#36
Methylcyclohexane
Concen: 4.646 ug/L
RT: 9.28 min Scan# 1210
Delta R.T. -0.06 min
Lab File: VW016237.D
Acq: 18 Aug 2020 13:27

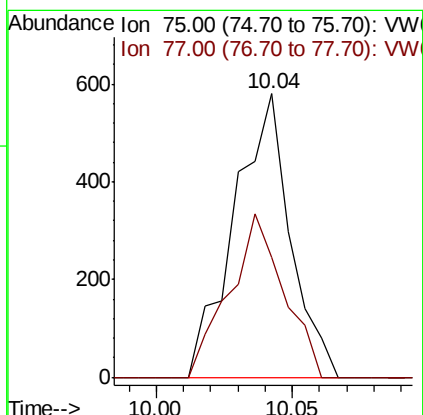
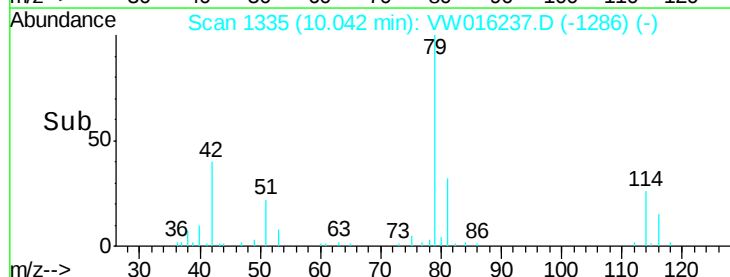
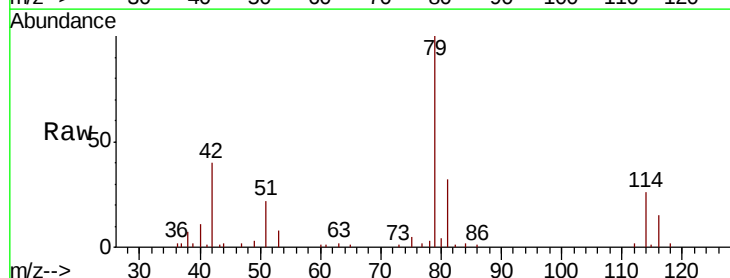
Instrument :
MSVOA_W
ClientSampled :
BFSR3

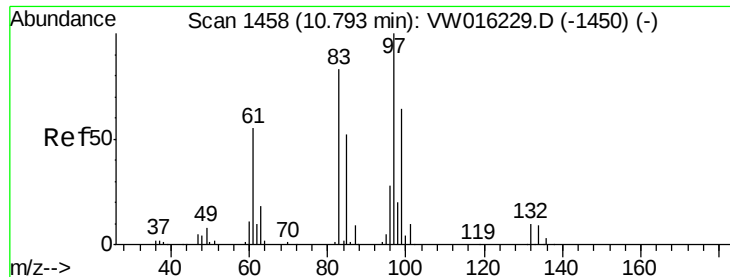
Tot Ion: 83 Resp: 9529
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 0.5 39.4 59.0#



#42
cis-1,3-Dichloropropene
Concen: 0.478 ug/L
RT: 10.04 min Scan# 1335
Delta R.T. -0.03 min
Lab File: VW016237.D
Acq: 18 Aug 2020 13:27

Tgt Ion: 75 Resp: 827
Ion Ratio Lower Upper
75 100
77 42.2 22.9 42.5

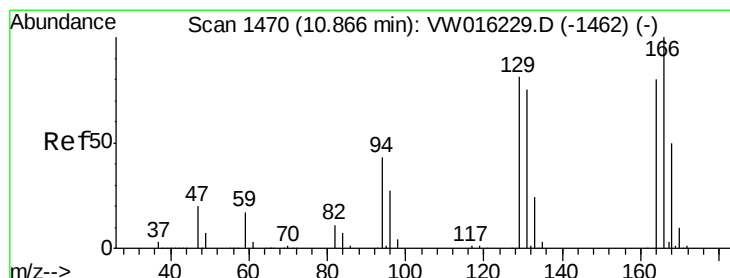
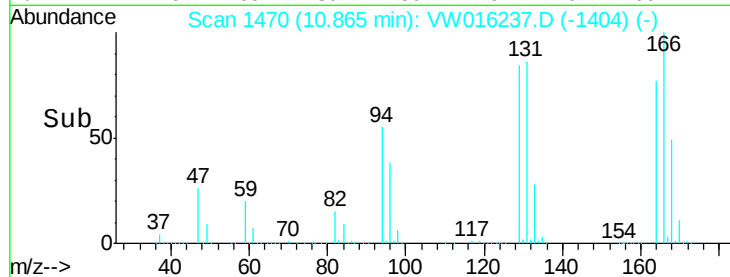
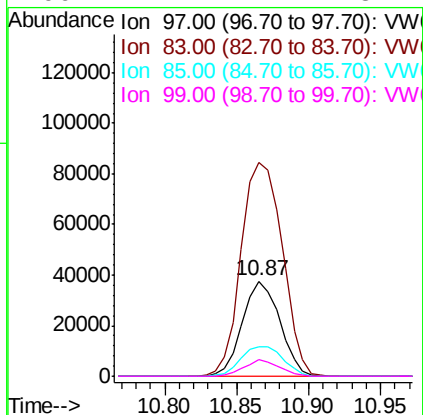
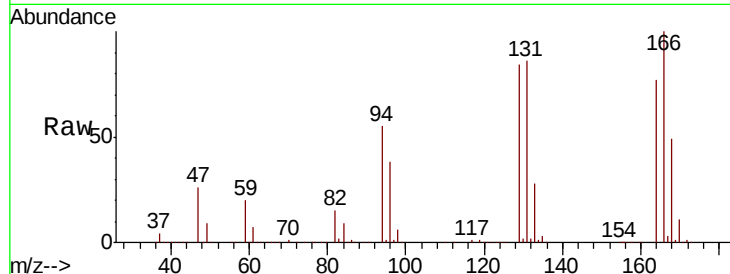




#46
 1,1,2-Trichloroethane
 Concen: 75.577 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.07 min
 Lab File: VW016237.D
 Acq: 18 Aug 2020 13:27

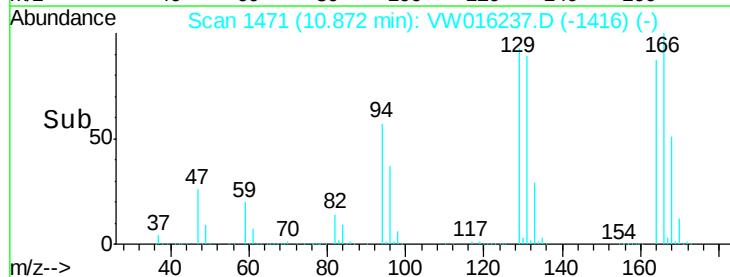
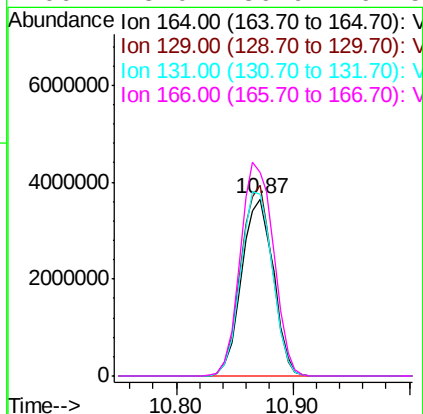
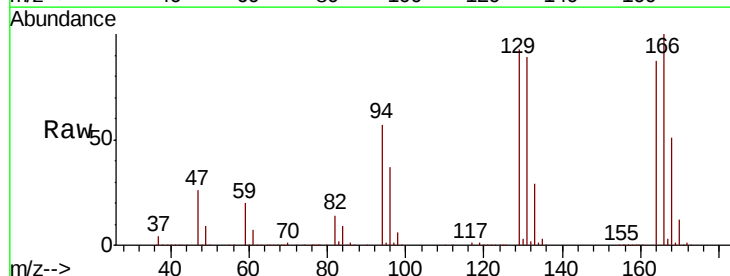
Instrument :
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 ClientSampleId :
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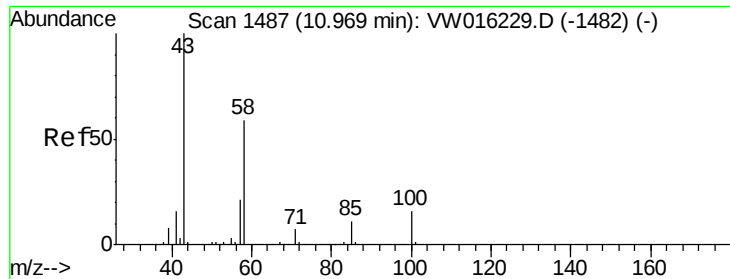
Tot Ion: 97 Resp: 67643
 Ion Ratio Lower Upper
 97 100
 83 225.0 57.8 107.4#
 85 31.6 38.0 70.6#
 99 17.1 44.4 82.4#



#47
 Tetrachloroethene
 Concen: 7461.965 ug/L
 RT: 10.87 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: VW016237.D
 Acq: 18 Aug 2020 13:27

Tgt Ion: 164 Resp: 6964541
 Ion Ratio Lower Upper
 164 100
 129 107.3 71.5 132.9
 131 102.3 65.4 121.4
 166 115.0 86.9 161.5

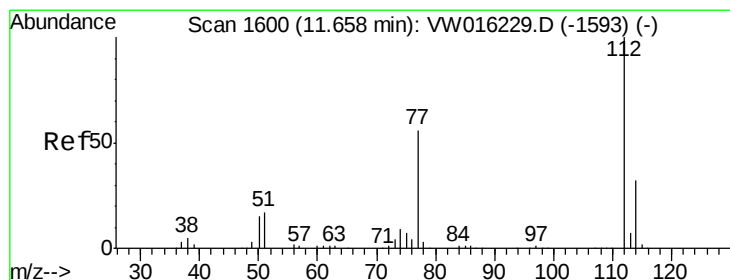
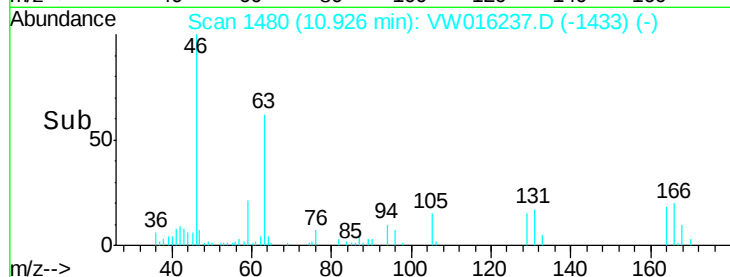
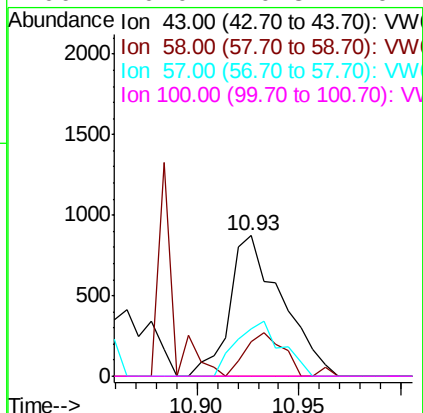
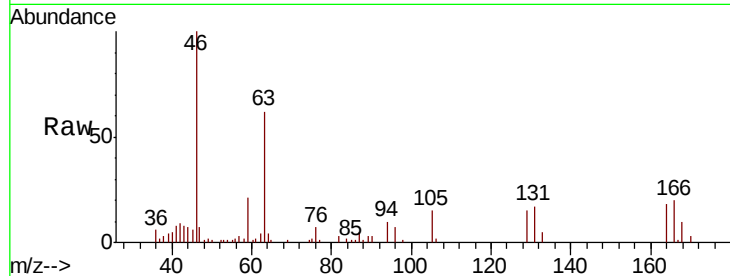




#49
2-Hexanone
Concen: 3.357 ug/L
RT: 10.93 min Scan# 1480
Delta R.T. -0.04 min
Lab File: VW016237.D
Acq: 18 Aug 2020 13:27

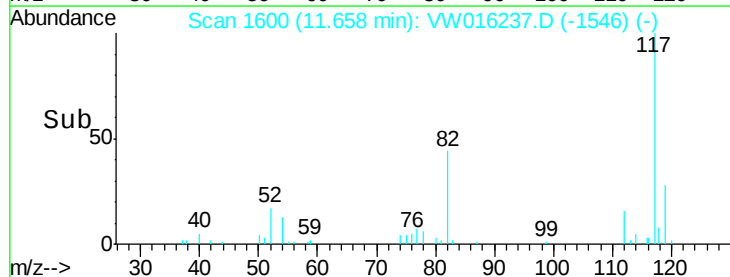
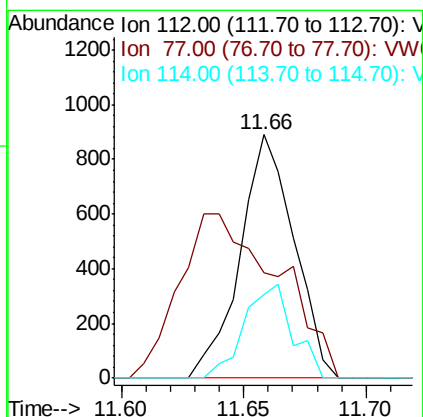
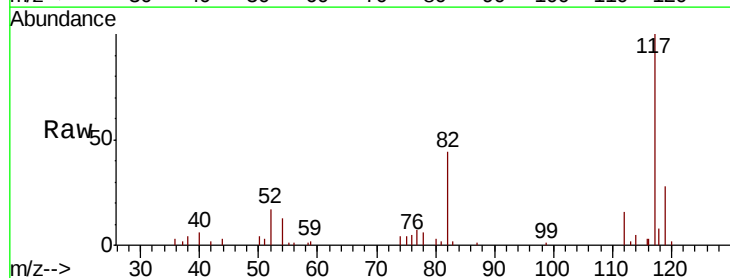
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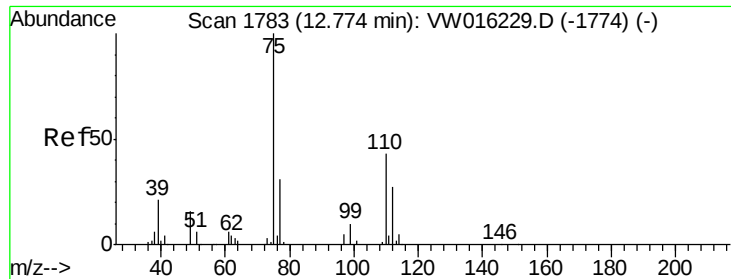
Tot Ion: 43 Resp: 1549
Ion Ratio Lower Upper
43 100
58 22.1 44.2 66.2#
57 34.5 15.8 23.6#
100 0.0 10.8 16.2#



#52
Chlorobenzene
Concen: 0.423 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016237.D
Acq: 18 Aug 2020 13:27

Tgt Ion: 112 Resp: 1368
Ion Ratio Lower Upper
112 100
77 43.3 49.1 73.7#
114 34.5 23.5 43.7





#59

1,2,3-Trichloropropane

Concen: 3.027 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016237.D

Acq: 18 Aug 2020 13:27

Instrument :

MSVOA_W

ClientSampleId :

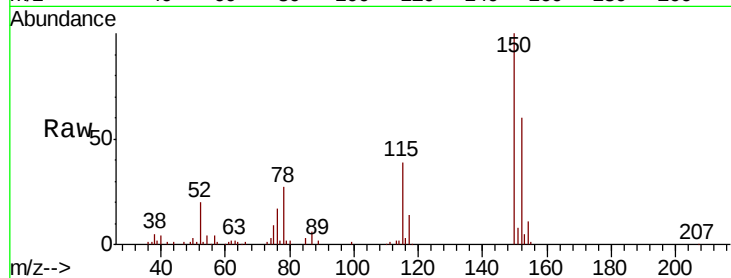
BFSR3

Tot Ion: 75 Resp: 2395

Ion Ratio Lower Upper

75 100

77 37.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

13.56

2000

1500

1000

500

0

13.50 13.55 13.60

Time-->

