

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082620\
 Data File : VW016375.D
 Acq On : 26 Aug 2020 18:21
 Operator : SY/VA
 Sample : L3800-05
 Misc : 6.42G/10ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3H5

Quant Time: Aug 27 02:45:28 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	6666	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	5276	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	731	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	1684	23.66	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.64%
7) Chloroethane-d5	2.89	69	1842	34.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	136.36%
10) 1,1-Dichloroethene-d2	4.03	63	2614	15.46	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.84%
20) 2-Butanone-d5	7.09	46	632	31.22	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.44%
24) Chloroform-d	7.65	84	4582	26.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.48%
26) 1,2-Dichloroethane-d4	8.31	65	2356	26.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.24%
29) Benzene-d6	8.27	84	7711	26.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.72%
33) 1,2-Dichloropropane-d6	9.28	67	2295	28.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.64%
37) Toluene-d8	10.32	98	6137	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.36%
38) trans-1,3-Dichloropropene-	10.59	79	685	17.41	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.64%
39) 2-Hexanone-d5	10.93	63	370	28.33	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.66%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	1636	24.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	764	27.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.04%

Target Compounds

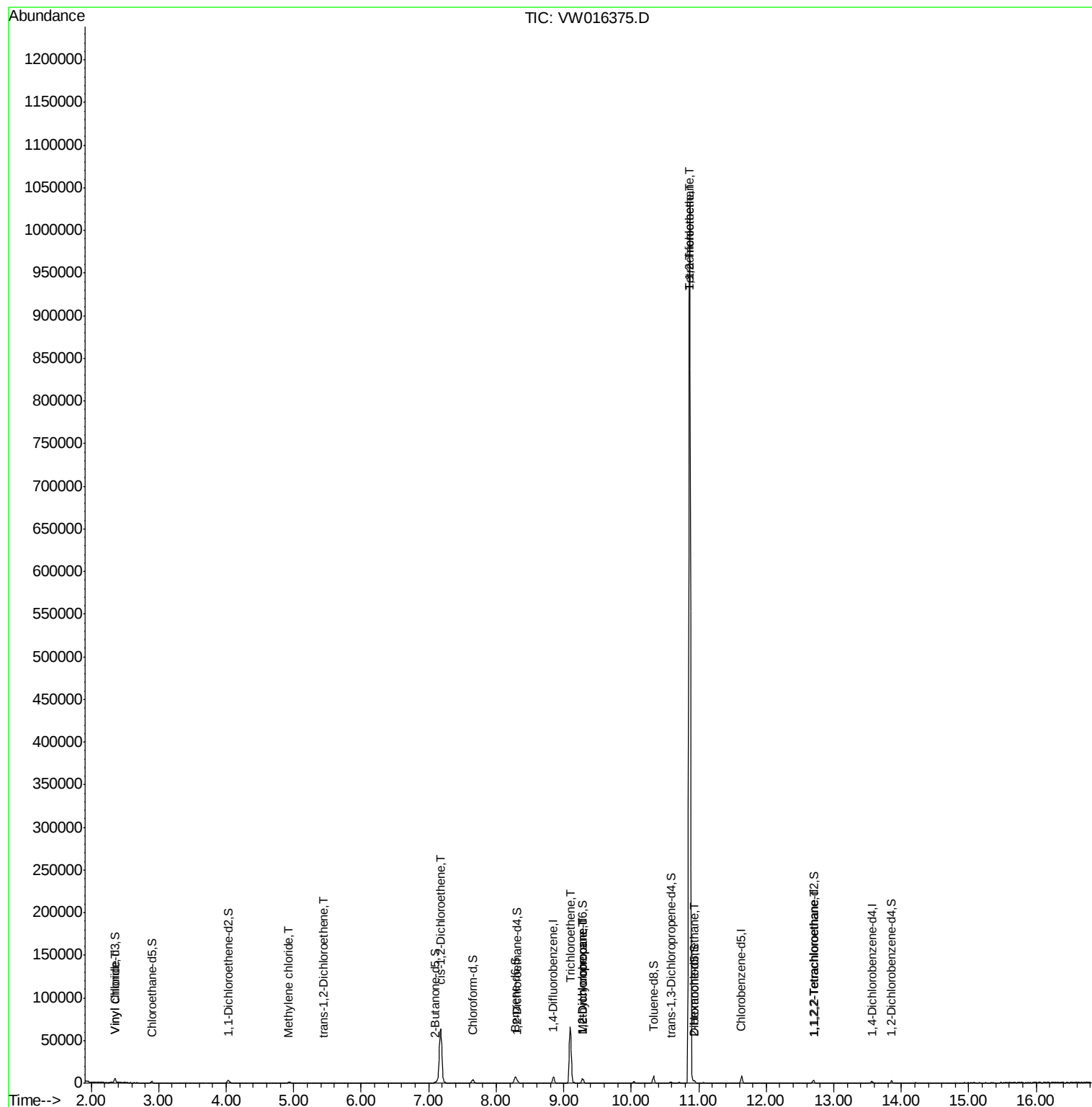
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.35	62	3244	41.649	ug/L	97
16) Methylene chloride	4.92	84	535	4.342	ug/L #	54
18) trans-1,2-Dichloroethene	5.43	96	112	1.205	ug/L #	42
22) cis-1,2-Dichloroethene	7.18	96	41167	421.079	ug/L	97
35) Trichloroethene	9.10	95	23630	275.775	ug/L	97
36) Methylcyclohexane	9.28	83	764	5.462	ug/L #	20
40) 1,2-Dichloropropane	9.27	63	277	3.892	ug/L #	84
46) 1,1,2-Trichloroethane	10.86	97	2202	37.485	ug/L #	1
47) Tetrachloroethene	10.87	164	238999	3537.121	ug/L	99
50) Dibromochloromethane	10.94	129	304	4.155	ug/L #	11
58) 1,1,2,2-Tetrachloroethane	12.71	83	199	2.903	ug/L #	77

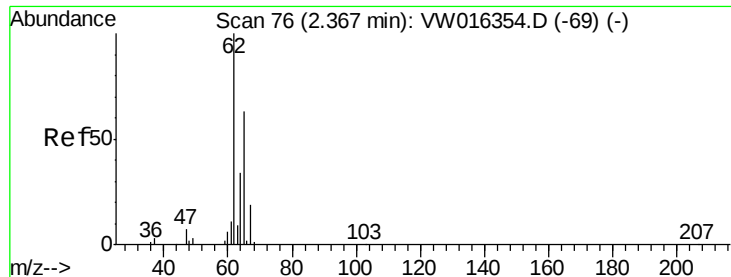
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 27 02:40:32 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 41.649 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW016375.D

Acq: 26 Aug 2020 18:21

Instrument :

MSVOA_W

ClientSampled :

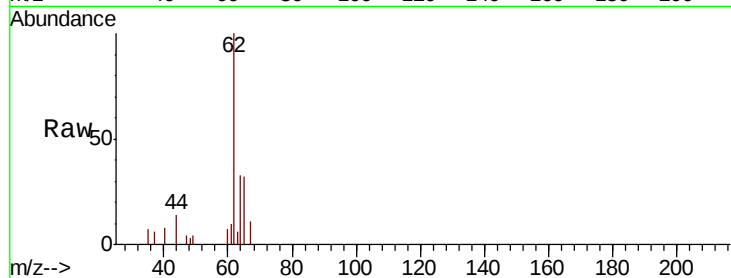
BG3H5

Tot Ion: 62 Resp: 3244

Ion Ratio Lower Upper

62 100

64 33.3 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.35

2500

2000

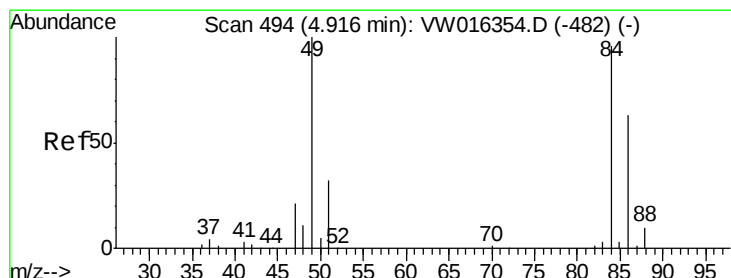
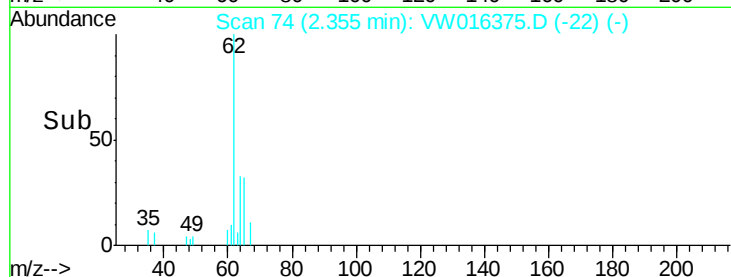
1500

1000

500

0

Time--> 2.30 2.35 2.40



#16

Methylene chloride

Concen: 4.342 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016375.D

Acq: 26 Aug 2020 18:21

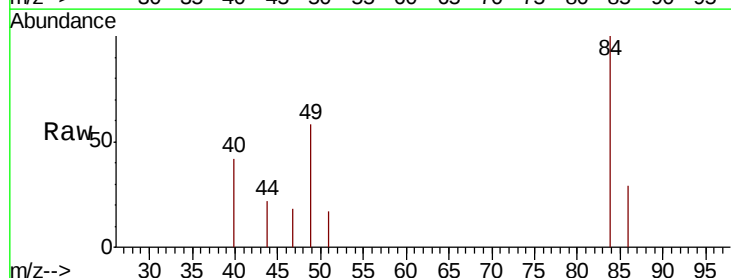
Tgt Ion: 84 Resp: 535

Ion Ratio Lower Upper

84 100

49 57.8 75.3 139.9#

86 28.6 43.3 80.3#



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

4.92

500

400

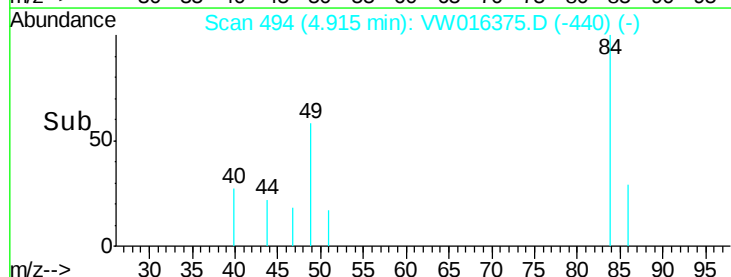
300

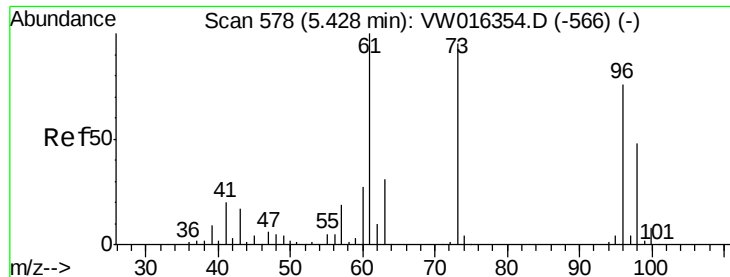
200

100

0

Time--> 4.88 4.90 4.92 4.94

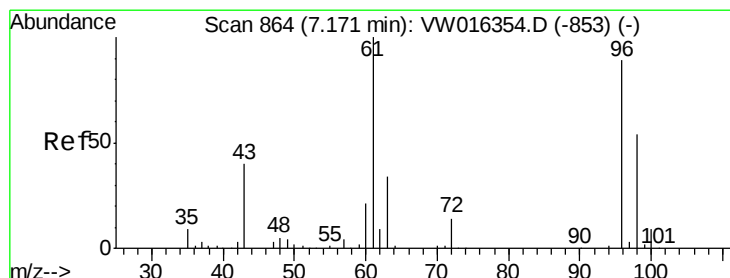
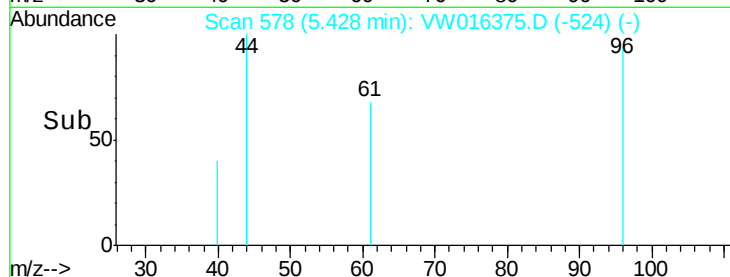
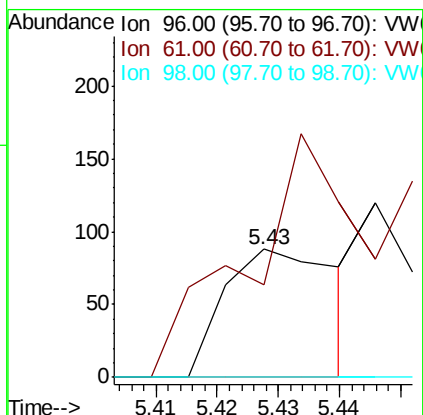
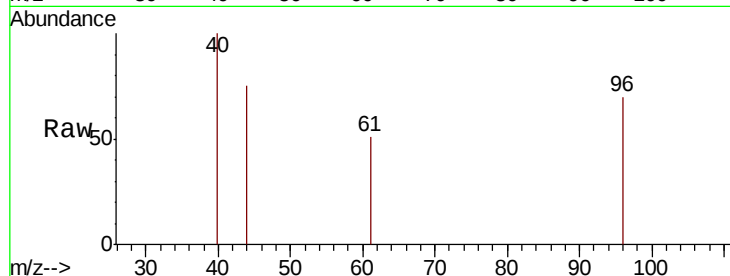




#18
trans-1,2-Dichloroethene
Concen: 1.205 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016375.D
Acq: 26 Aug 2020 18:21

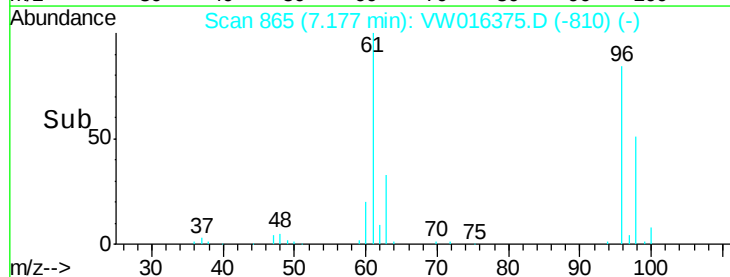
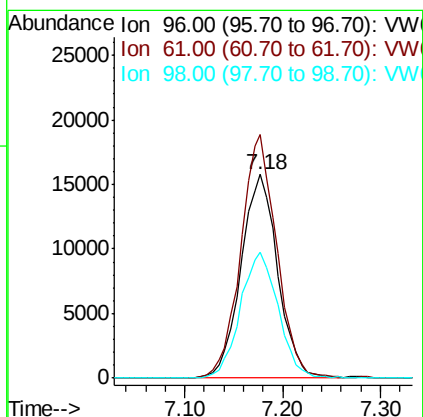
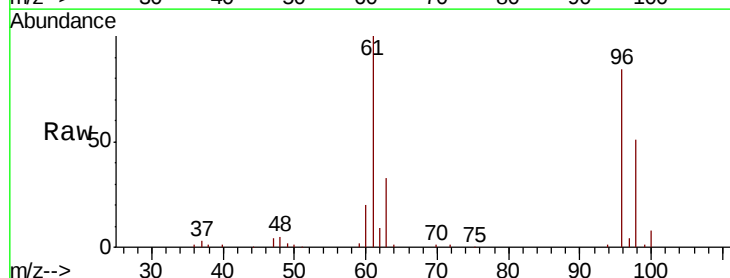
Instrument :
MSVOA_W
ClientSampled :
BG3H5

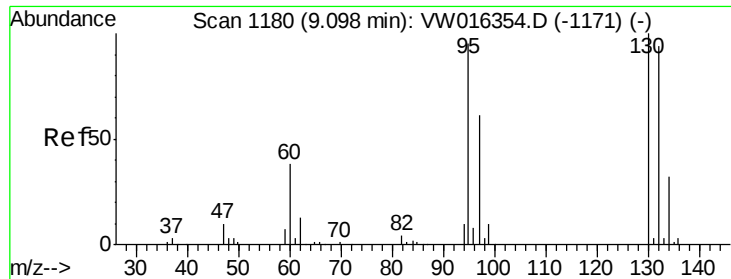
Tot Ion: 96 Resp: 112
Ion Ratio Lower Upper
96 100
61 72.7 89.9 167.0#
98 0.0 41.6 77.2#



#22
cis-1,2-Dichloroethene
Concen: 421.079 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016375.D
Acq: 26 Aug 2020 18:21

Tgt Ion: 96 Resp: 41167
Ion Ratio Lower Upper
96 100
61 119.6 84.9 157.7
98 61.6 46.8 86.8





#35

Trichloroethene

Concen: 275.775 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016375.D

Acq: 26 Aug 2020 18:21

Instrument :

MSVOA_W

ClientSampled :

BG3H5

Tot Ion: 95 Resp: 23630

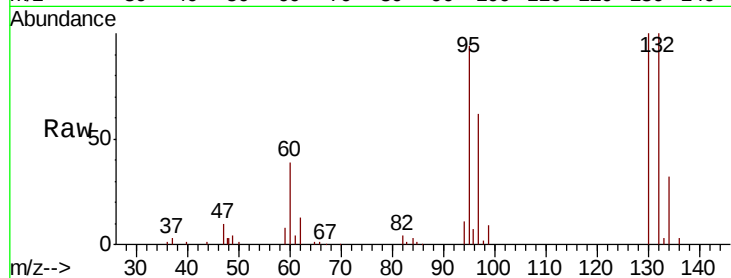
Ion Ratio Lower Upper

95 100

97 64.7 44.9 83.5

132 102.1 68.2 126.6

130 104.6 71.5 132.9

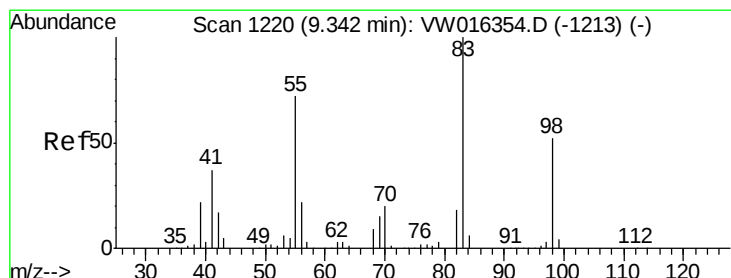
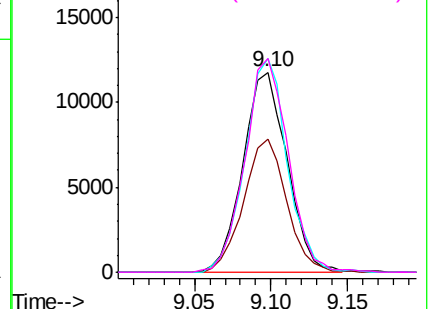
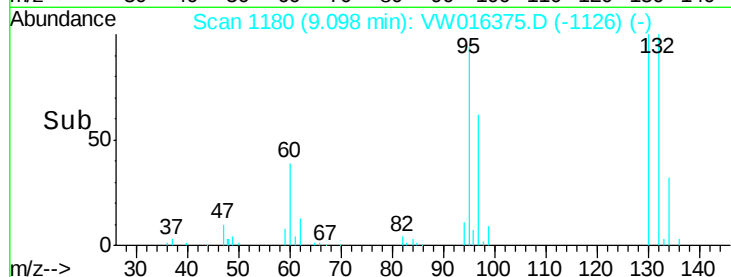


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 5.462 ug/L

RT: 9.28 min Scan# 1210

Delta R.T. -0.06 min

Lab File: VW016375.D

Acq: 26 Aug 2020 18:21

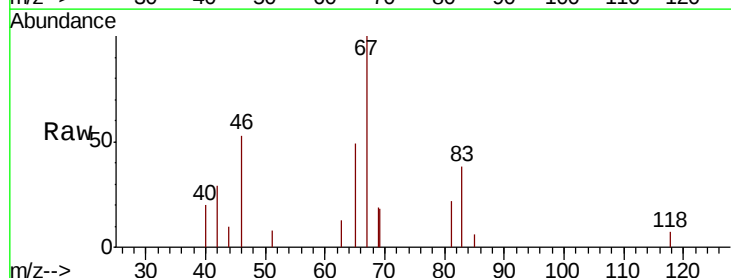
Tgt Ion: 83 Resp: 764

Ion Ratio Lower Upper

83 100

55 0.0 55.6 83.4#

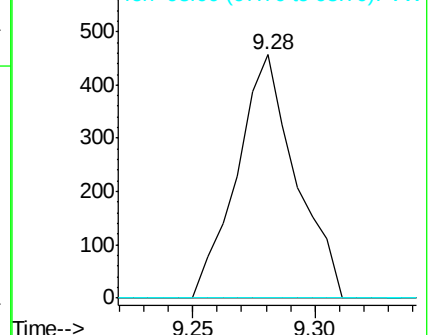
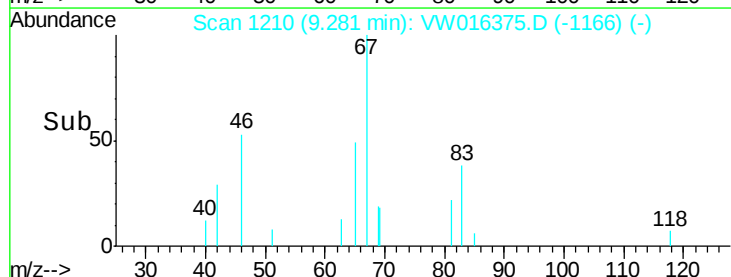
98 0.0 40.6 61.0#

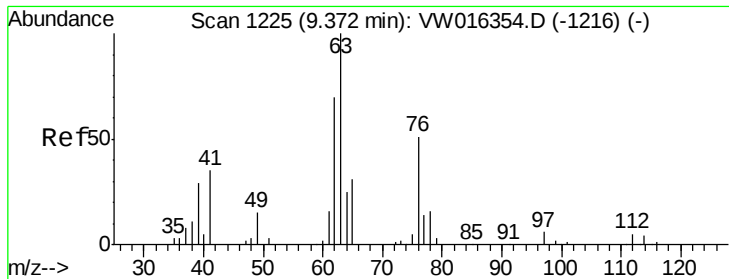


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

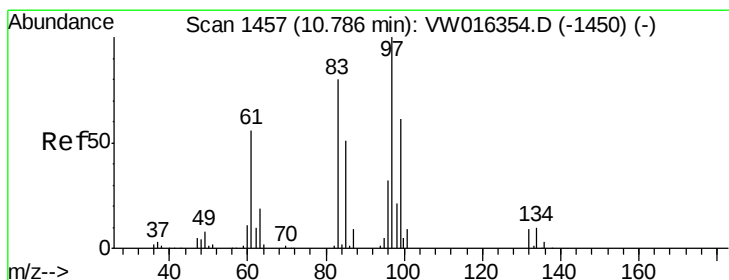
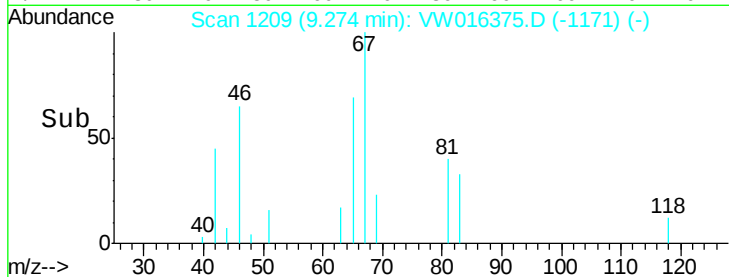
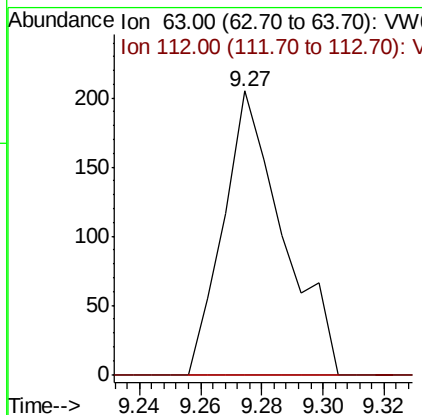
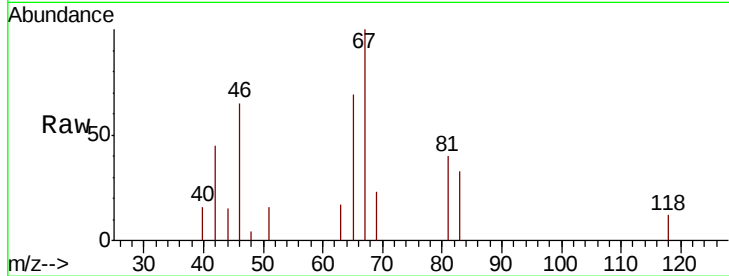




#40
 1,2-Dichloropropane
 Concen: 3.892 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016375.D
 Acq: 26 Aug 2020 18:21

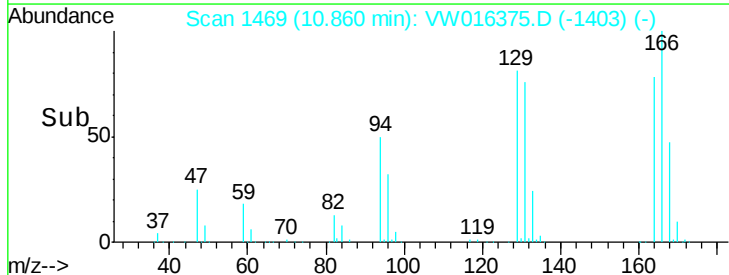
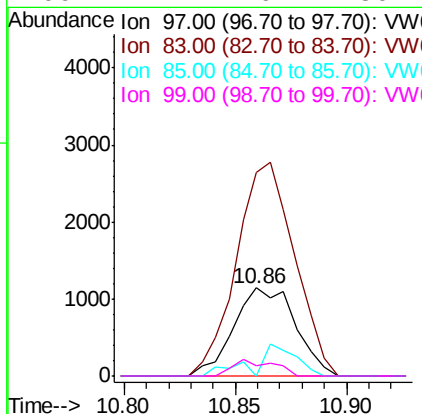
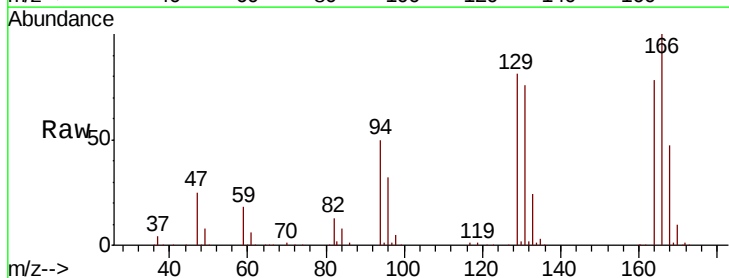
Instrument :
 MSVOA_W
 ClientSampleId :
 BG3H5

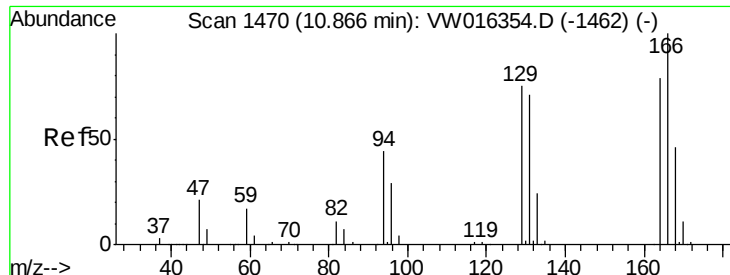
Tot Ion: 63 Resp: 277
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.4 6.6#



#46
 1,1,2-Trichloroethane
 Concen: 37.485 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.07 min
 Lab File: VW016375.D
 Acq: 26 Aug 2020 18:21

Tgt Ion: 97 Resp: 2202
 Ion Ratio Lower Upper
 97 100
 83 231.7 57.9 107.5#
 85 0.0 38.8 72.0#
 99 11.1 46.4 86.2#





#47

Tetrachloroethene

Concen: 3537.121 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016375.D

Acq: 26 Aug 2020 18:21

Instrument :

MSVOA_W

ClientSampleId :

BG3H5

Tot Ion:164 Resp: 238999

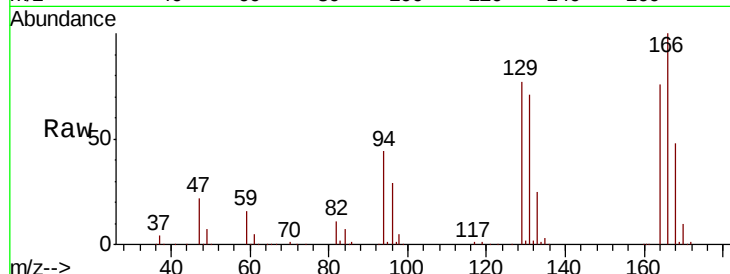
Ion Ratio Lower Upper

164 100

129 101.9 71.5 132.7

131 92.8 67.4 125.2

166 131.6 92.5 171.9

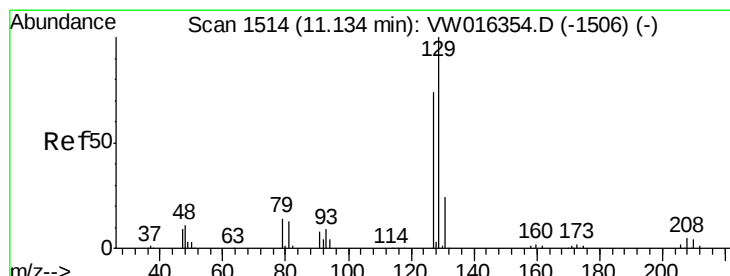
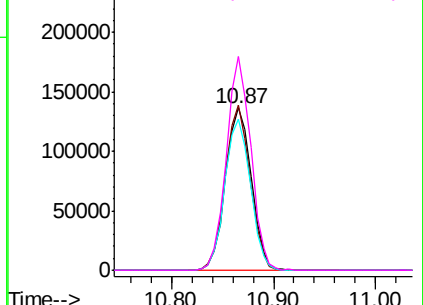
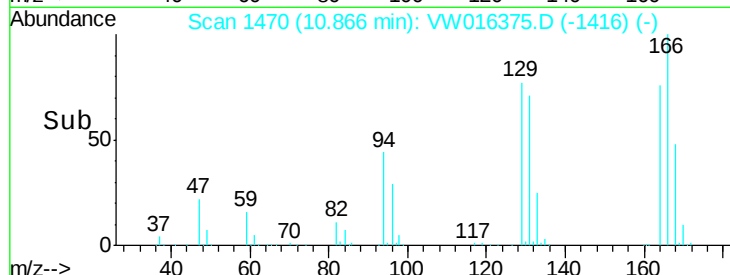


Abundance Ion 164.00 (163.70 to 164.70): V

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



#50

Dibromochloromethane

Concen: 4.155 ug/L

RT: 10.94 min Scan# 1482

Delta R.T. -0.20 min

Lab File: VW016375.D

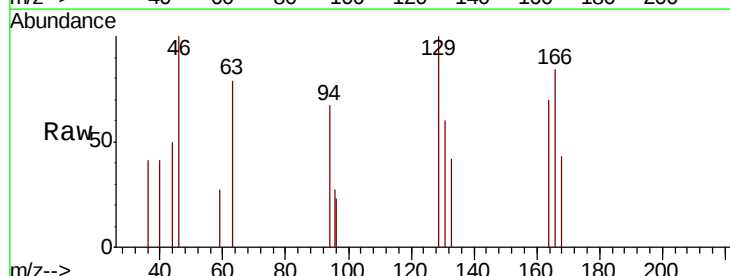
Acq: 26 Aug 2020 18:21

Tgt Ion:129 Resp: 304

Ion Ratio Lower Upper

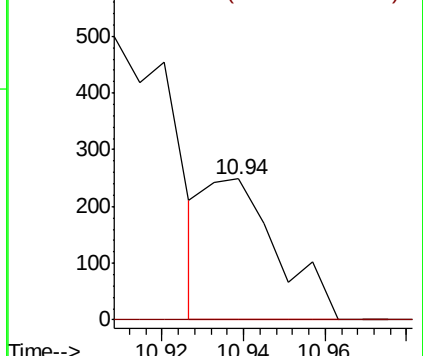
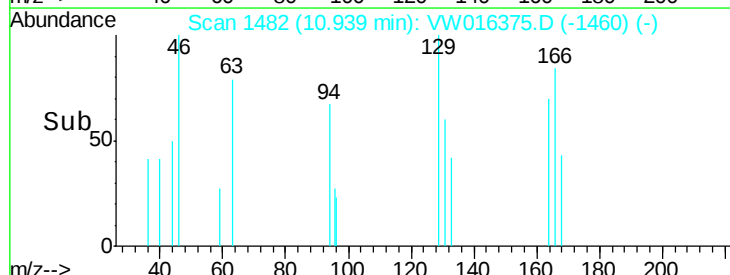
129 100

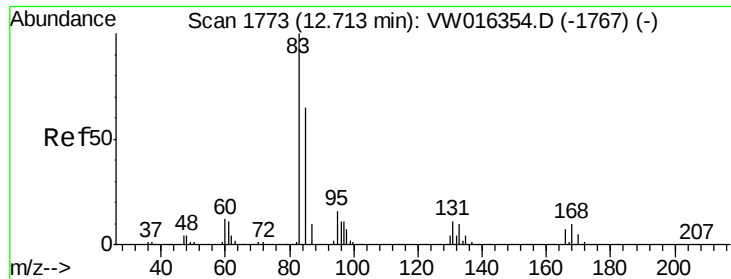
127 0.0 53.8 99.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#58

1,1,2,2-Tetrachloroethane

Concen: 2.903 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016375.D

Acq: 26 Aug 2020 18:21

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ClientSampleId :

BG3H5

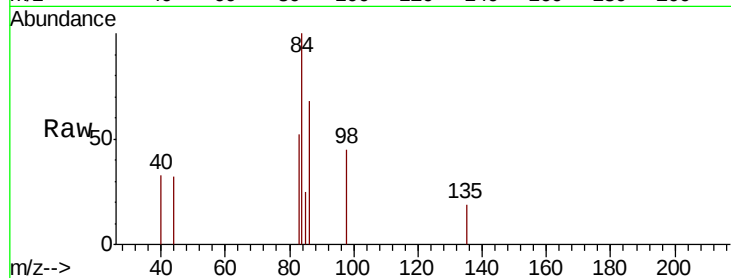
Tot Ion: 83 Resp: 199

Ion Ratio Lower Upper

83 100

85 48.3 46.0 85.4

131 0.0 8.8 13.2#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

200

150

100

50

0

12.68 12.70 12.72 12.74

12.71

12.72

12.73

12.74

12.75

12.76

12.77

12.78

12.79

12.80

12.81

12.82

12.83

12.84

12.85

12.86

12.87

12.88

12.89

12.90

12.91

12.92

12.93

12.94

12.95

12.96

12.97

12.98

12.99

13.00

13.01

13.02

13.03

13.04

13.05

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13.22

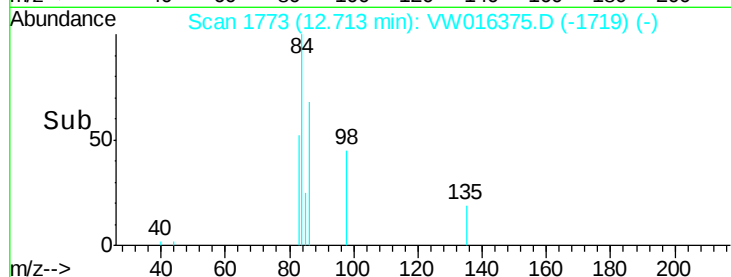
13.23

13.24

13.25

13.26

13.27



Time-->