

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017566.D
 Acq On : 04 Dec 2020 19:12
 Operator : SY/VA
 Sample : L4955-10
 Misc : 5.49G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4K5

Quant Time: Dec 05 07:39:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 05 07:36:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	378303	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	326825	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	128708	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	86990	17.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.88%
7) Chloroethane-d5	2.89	69	81186	19.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.12%
10) 1,1-Dichloroethene-d2	4.03	63	150573	13.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.56%
20) 2-Butanone-d5	7.08	46	52222	47.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.70%
24) Chloroform-d	7.65	84	232033	21.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.32%
26) 1,2-Dichloroethane-d4	8.31	65	120485	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.32%
29) Benzene-d6	8.28	84	436608	21.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.36%
33) 1,2-Dichloropropane-d6	9.27	67	129429	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.52%
37) Toluene-d8	10.33	98	385370	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.12%
38) trans-1,3-Dichloropropene-	10.58	79	47816	18.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.32%
39) 2-Hexanone-d5	10.93	63	30704	42.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	94609	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	108399	22.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.28%

Target Compounds

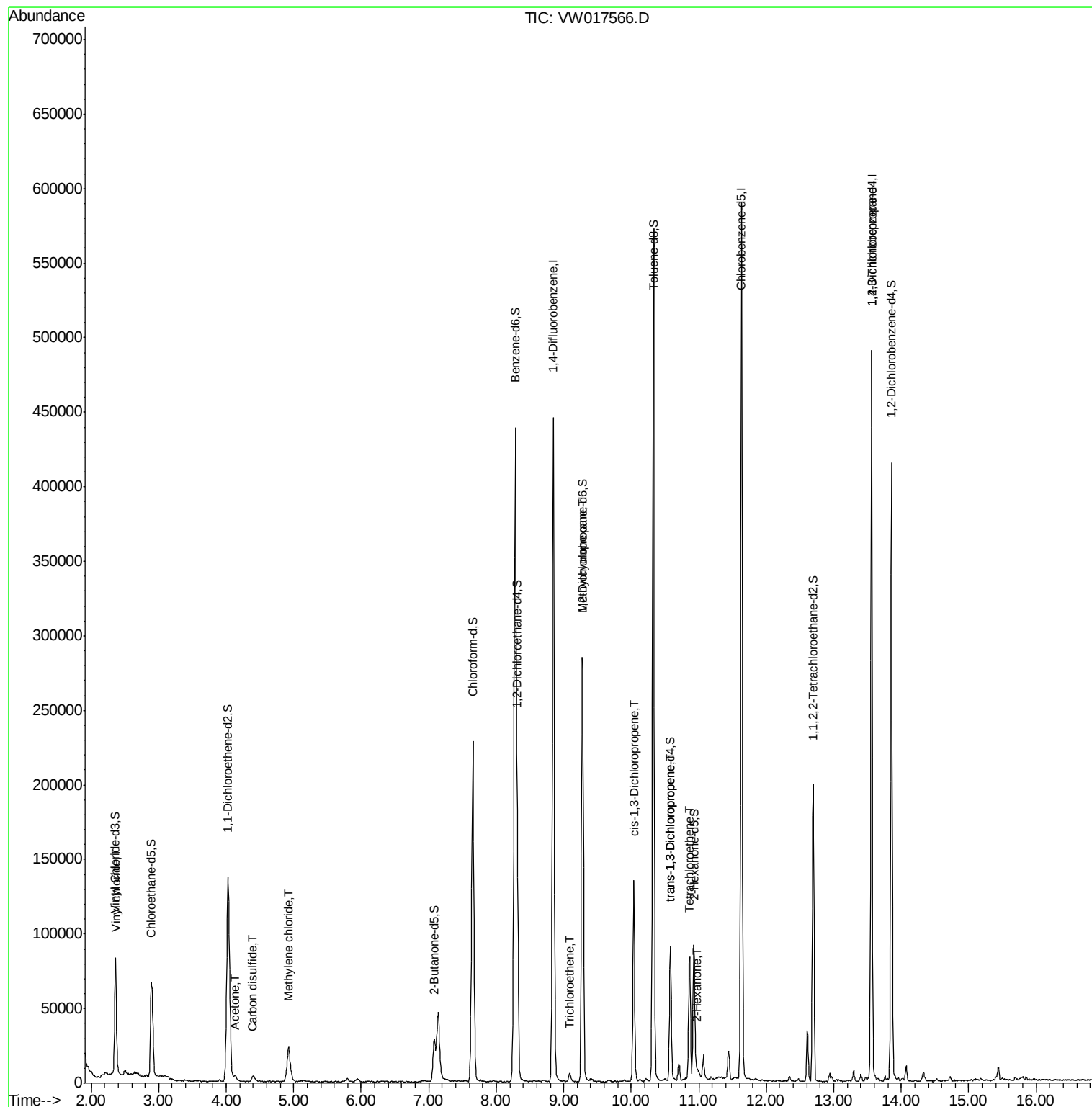
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	4458	0.959	ug/L #	55
13) Acetone	4.12	43	6402	6.026	ug/L	97
14) Carbon disulfide	4.39	76	4947	0.330	ug/L #	92
16) Methylene chloride	4.92	84	18591	3.259	ug/L	92
35) Trichloroethene	9.10	95	1169	0.213	ug/L	89
36) Methylcyclohexane	9.27	83	33328	3.690	ug/L #	20
42) cis-1,3-Dichloropropene	10.04	75	4017	0.554	ug/L #	59
45) trans-1,3-Dichloropropene	10.58	75	2481	0.398	ug/L	93
47) Tetrachloroethene	10.87	164	20062	4.311	ug/L	89
49) 2-Hexanone	10.98	43	696	0.438	ug/L #	26
59) 1,2,3-Trichloropropane	13.56	75	15119	5.377	ug/L	93

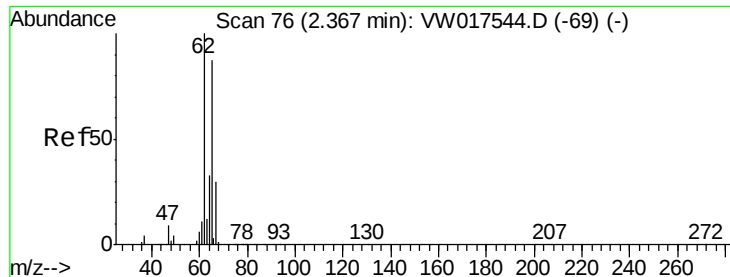
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120420\
Data File : VW017566.D
Acq On : 04 Dec 2020 19:12
Operator : SY/VA
Sample : L4955-10
Misc : 5.49G/10ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4K5

Quant Time: Dec 05 07:39:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 05 07:36:07 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.959 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

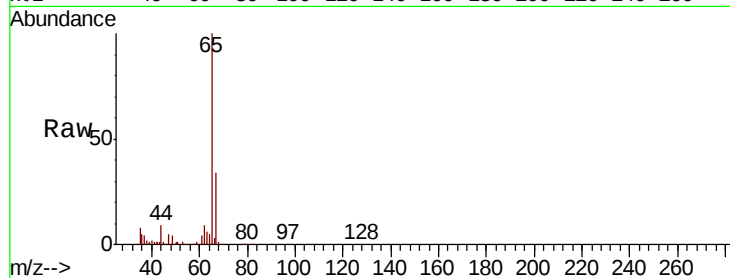
BG4K5

Tot Ion: 62 Resp: 4458

Ion Ratio Lower Upper

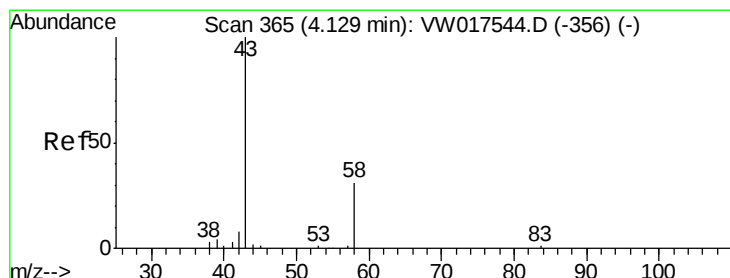
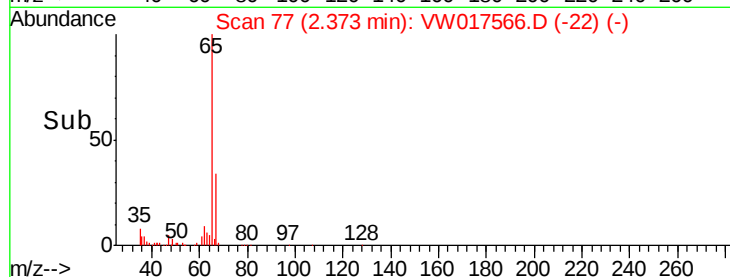
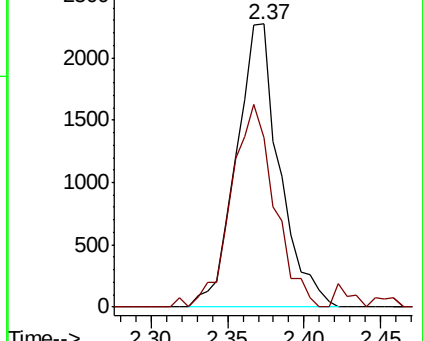
62 100

64 59.8 23.9 44.5#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#13

Acetone

Concen: 6.026 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017566.D

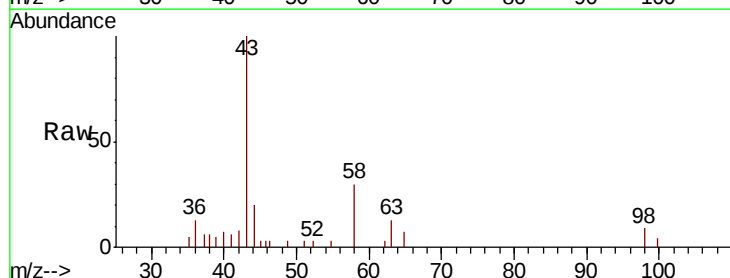
Acq: 04 Dec 2020 19:12

Tgt Ion: 43 Resp: 6402

Ion Ratio Lower Upper

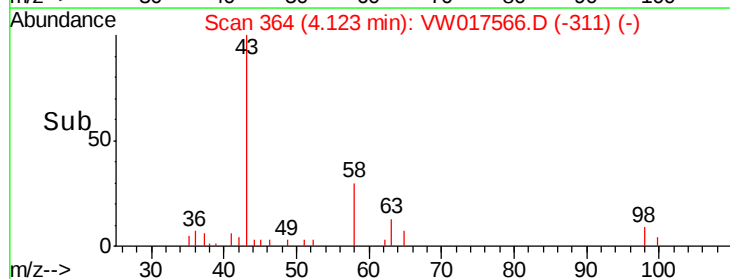
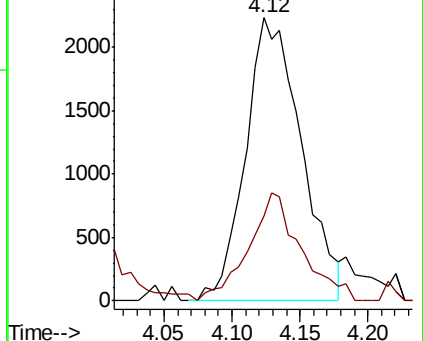
43 100

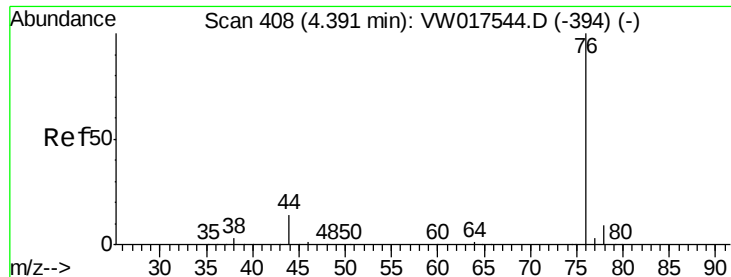
58 35.7 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 0.330 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

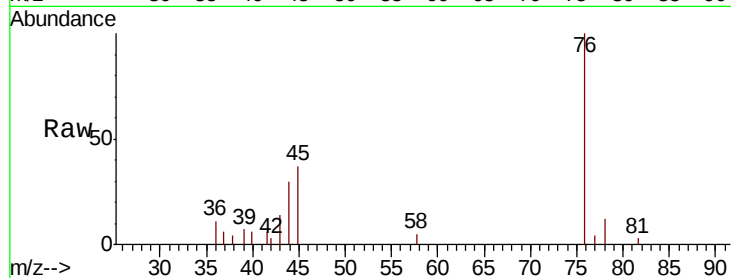
BG4K5

Tot Ion: 76 Resp: 4947

Ion Ratio Lower Upper

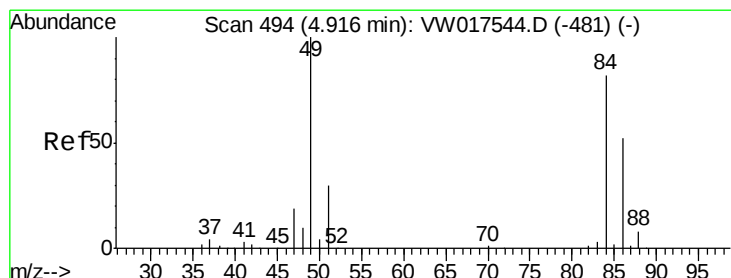
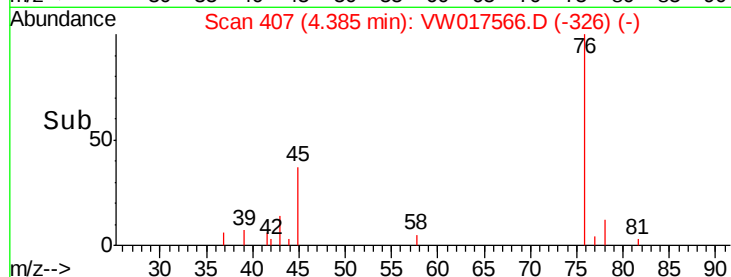
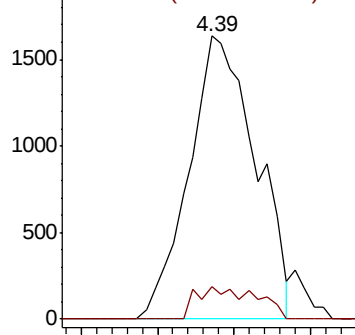
76 100

78 11.7 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 3.259 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

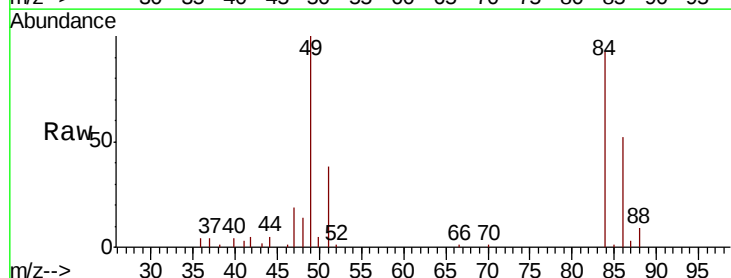
Tgt Ion: 84 Resp: 18591

Ion Ratio Lower Upper

84 100

49 108.0 81.2 150.8

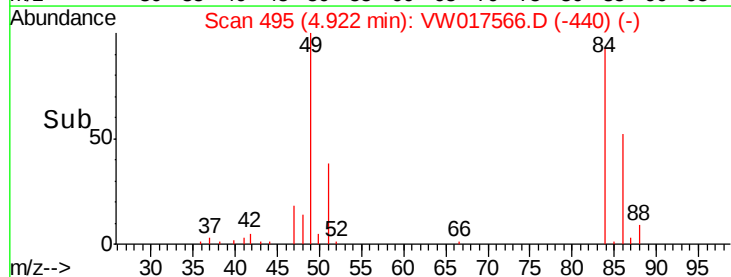
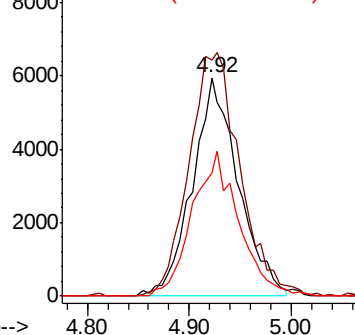
86 56.4 44.5 82.7

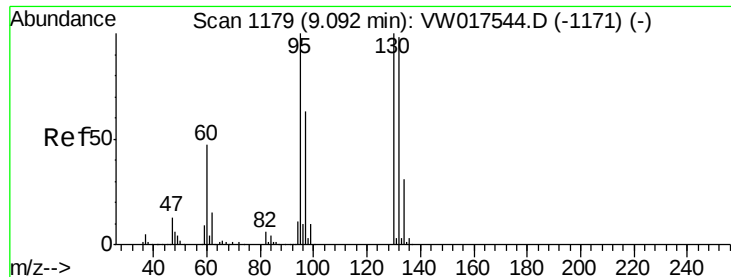


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#35

Trichloroethene

Concen: 0.213 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

BG4K5

Tot Ion: 95 Resp: 1169

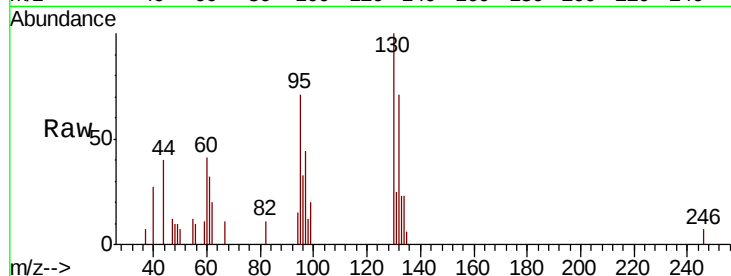
Ion Ratio Lower Upper

95 100

97 70.0 45.0 83.6

132 85.1 71.0 131.8

130 116.9 75.6 140.4



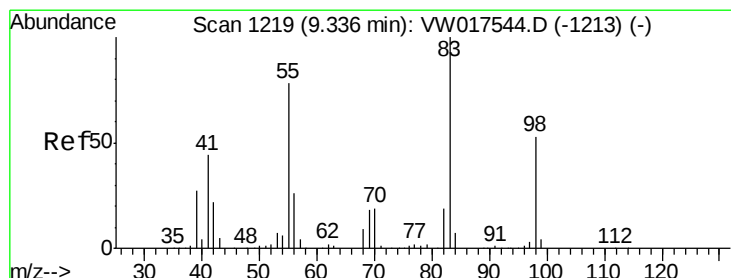
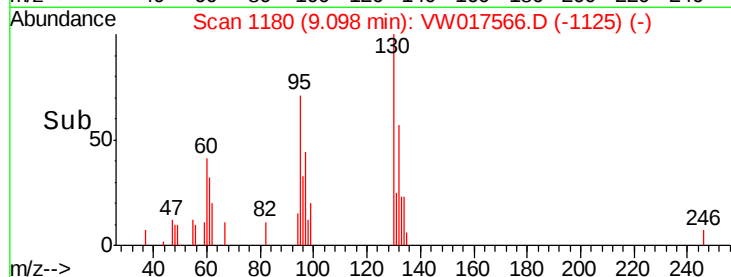
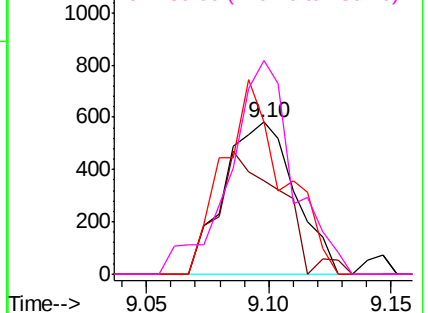
Abundance

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: 3.690 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

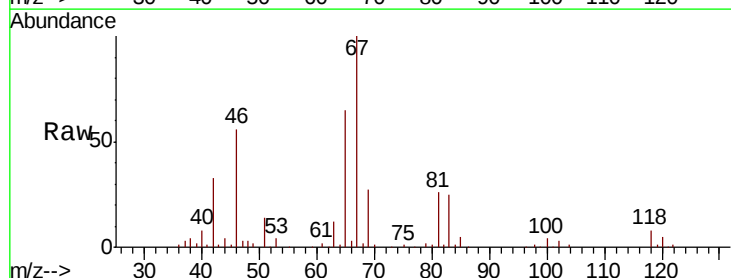
Tgt Ion: 83 Resp: 33328

Ion Ratio Lower Upper

83 100

55 0.9 59.4 89.0#

98 1.9 40.7 61.1#

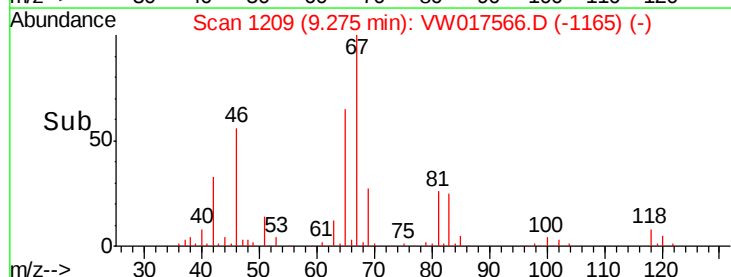
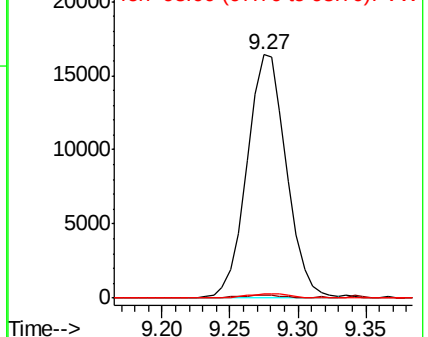


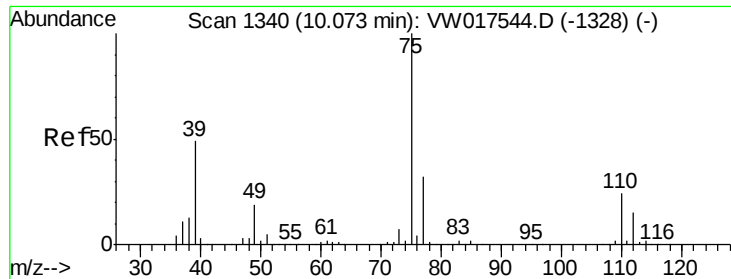
Abundance

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

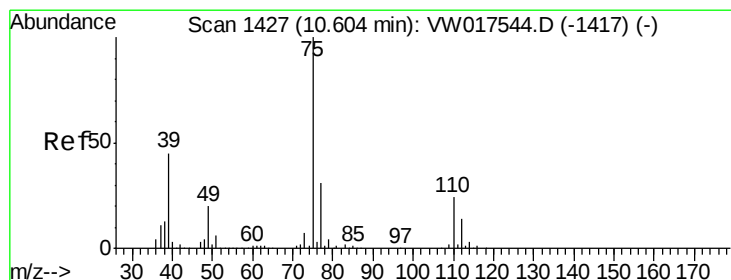
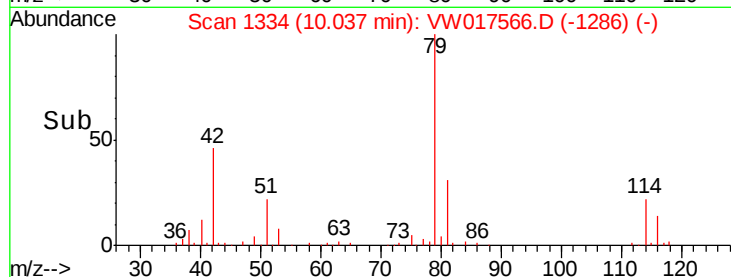
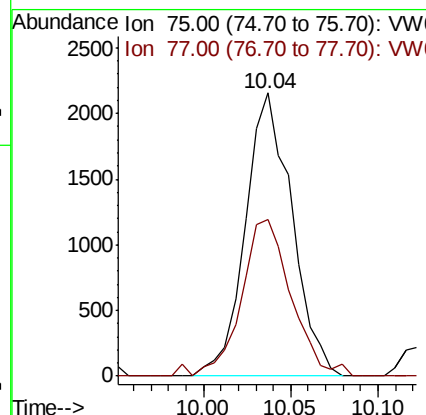
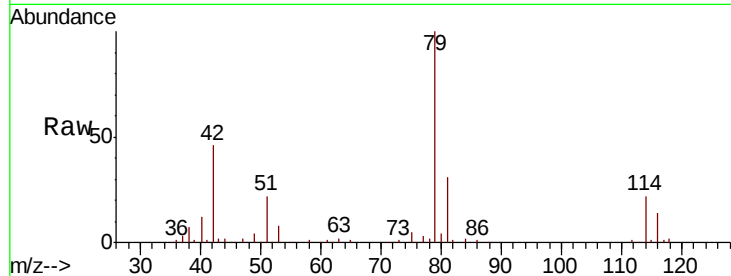




#42
 cis-1,3-Dichloropropene
 Concen: 0.554 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017566.D
 Acq: 04 Dec 2020 19:12

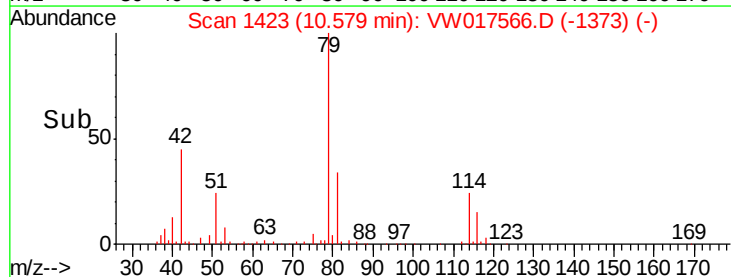
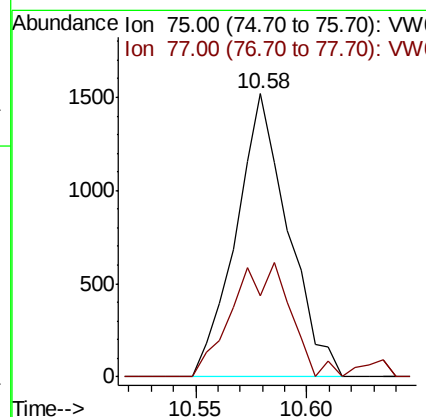
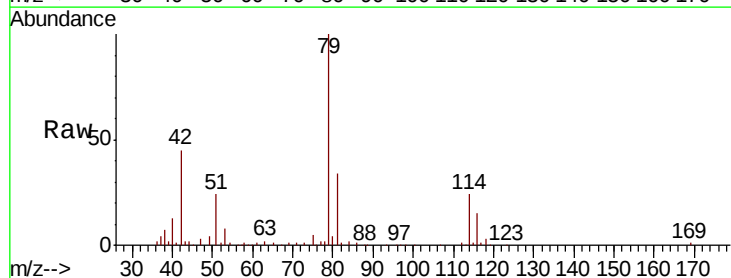
Instrument :
 MSVOA_W
 ClientSampleId :
 BG4K5

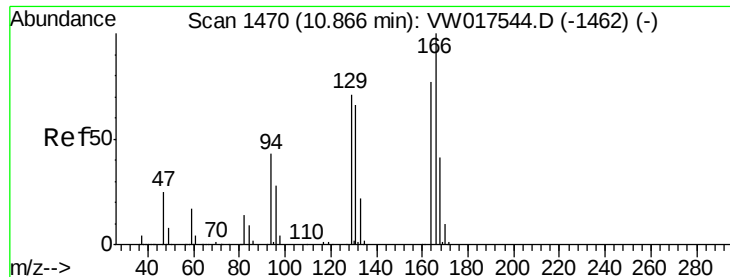
Tot Ion: 75 Resp: 4017
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.7 42.3#



#45
 trans-1,3-Dichloropropene
 Concen: 0.398 ug/L
 RT: 10.58 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: VW017566.D
 Acq: 04 Dec 2020 19:12

Tgt Ion: 75 Resp: 2481
 Ion Ratio Lower Upper
 75 100
 77 28.4 22.6 42.0





#47

Tetrachloroethene

Concen: 4.311 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

Instrument :

MSVOA_W

ClientSampled :

BG4K5

Tot Ion:164 Resp: 20062

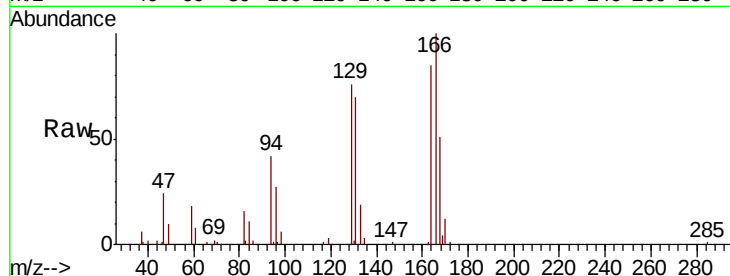
Ion Ratio Lower Upper

164 100

129 89.5 67.6 125.6

131 82.2 65.2 121.2

166 118.2 93.2 173.2

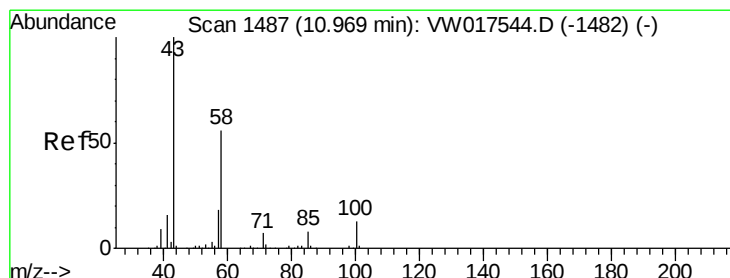
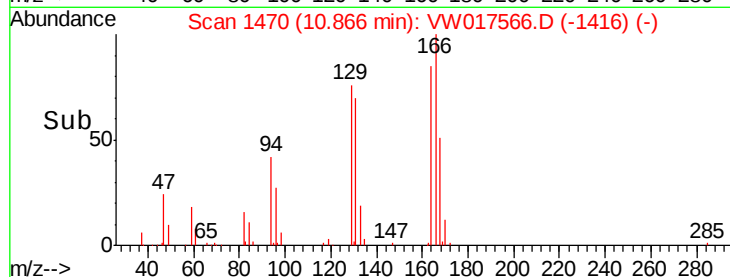
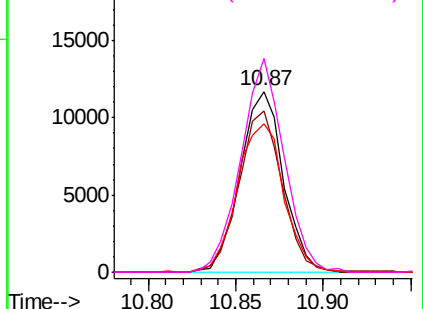


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 0.438 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

Tgt Ion: 43 Resp: 696

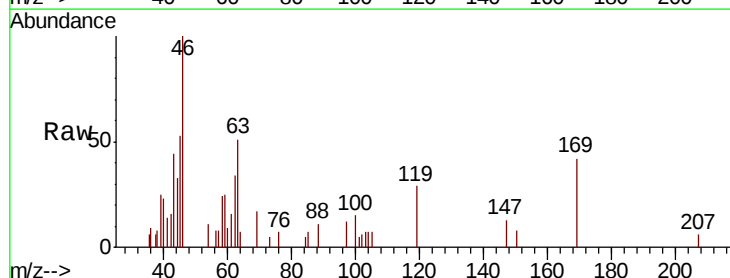
Ion Ratio Lower Upper

43 100

58 0.0 51.3 76.9#

57 15.2 15.0 22.6

100 65.1 12.2 18.2#

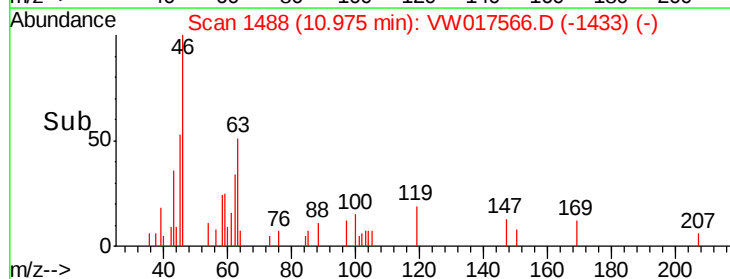
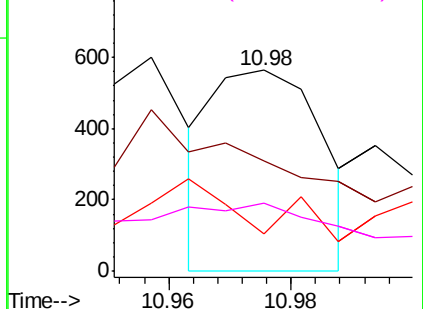


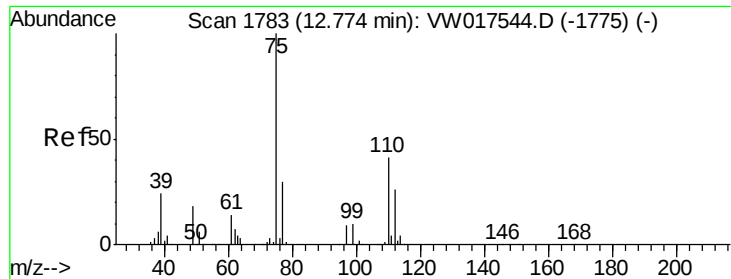
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 5.377 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017566.D

Acq: 04 Dec 2020 19:12

Instrument :

MSVOA_W

ClientSampleId :

BG4K5

Tot Ion: 75 Resp: 15119

Ion Ratio Lower Upper

75 100

77 37.4 26.6 39.8

