

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016672.D
 Acq On : 28 Sep 2020 16:50
 Operator : SY/VA
 Sample : L4149-10
 Misc : 5.76G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3N1

Quant Time: Sep 29 05:29:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 29 05:26:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	705980	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	631109	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	301482	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	149893	21.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.76%
7) Chloroethane-d5	2.90	69	135686	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.28%
10) 1,1-Dichloroethene-d2	4.03	63	249699	16.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.36%
20) 2-Butanone-d5	7.09	46	74719	40.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.20%
24) Chloroform-d	7.66	84	373504	25.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.16%
26) 1,2-Dichloroethane-d4	8.31	65	188472	24.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.44%
29) Benzene-d6	8.28	84	728195	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
33) 1,2-Dichloropropane-d6	9.28	67	201419	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.04%
37) Toluene-d8	10.33	98	692622	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.48%
38) trans-1,3-Dichloropropene-	10.58	79	86142	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.12%
39) 2-Hexanone-d5	10.93	63	60870	43.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	149345	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	255851	26.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.24%

Target Compounds

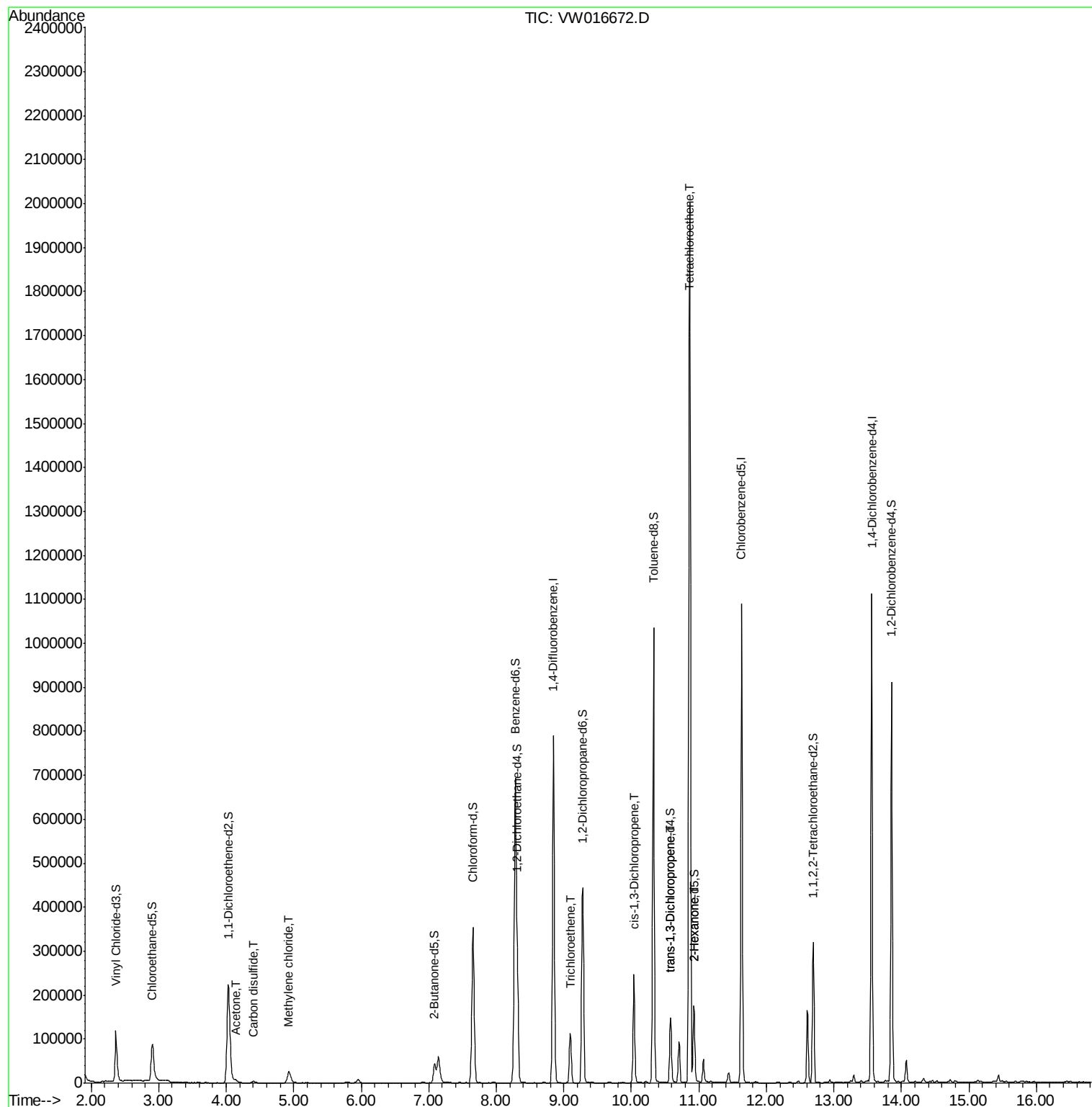
					Ovalue
13) Acetone	4.14	43	10978	7.522 ug/L	67
14) Carbon disulfide	4.40	76	6560	0.243 ug/L	96
16) Methylene chloride	4.92	84	23763	2.182 ug/L	92
35) Trichloroethene	9.10	95	37669	3.849 ug/L	100
42) cis-1,3-Dichloropropene	10.04	75	6763	0.503 ug/L #	73
45) trans-1,3-Dichloropropene	10.58	75	4356	0.373 ug/L	92
47) Tetrachloroethene	10.87	164	470331	53.221 ug/L	94
49) 2-Hexanone	10.93	43	7343	2.315 ug/L #	57

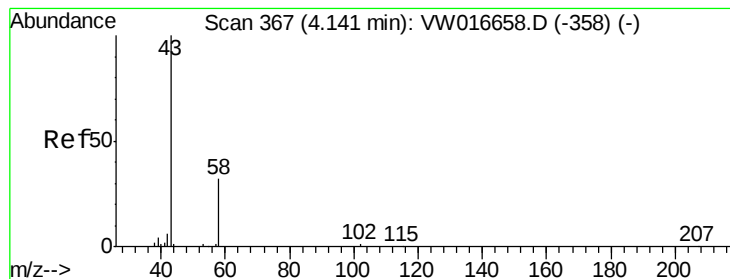
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 29 05:26:53 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.522 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW016672.D

Acq: 28 Sep 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

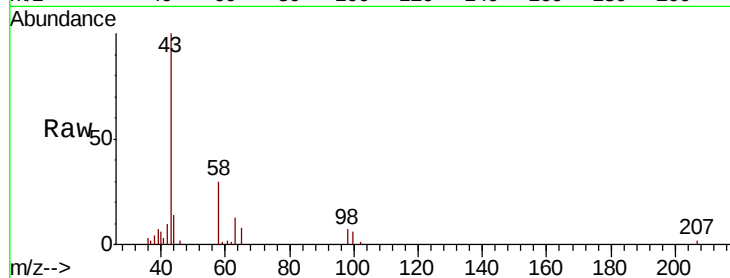
BG3N1

Tot Ion: 43 Resp: 10978

Ion Ratio Lower Upper

43 100

58 12.4 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

4000

3000

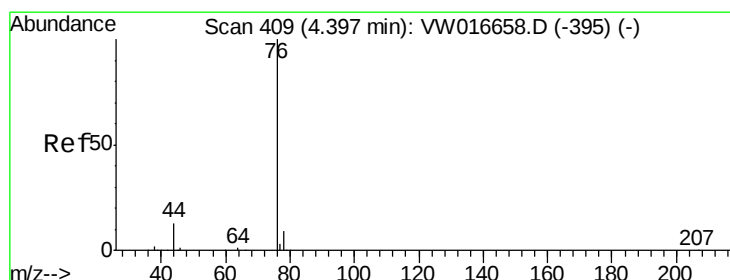
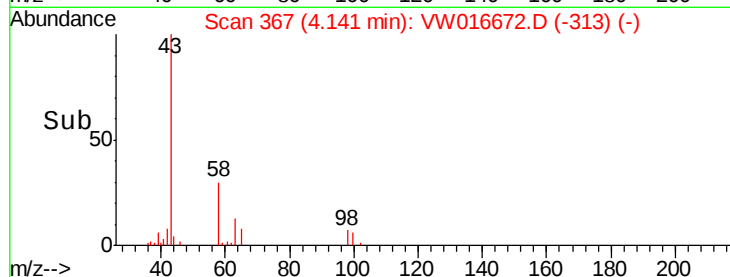
2000

1000

0

4.05 4.10 4.15 4.20 4.25

Time-->



#14

Carbon disulfide

Concen: 0.243 ug/L

RT: 4.40 min Scan# 410

Delta R.T. 0.01 min

Lab File: VW016672.D

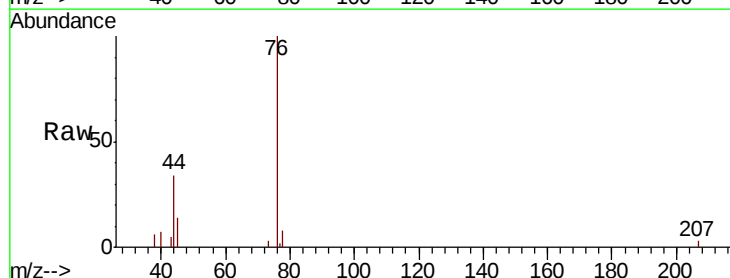
Acq: 28 Sep 2020 16:50

Tgt Ion: 76 Resp: 6560

Ion Ratio Lower Upper

76 100

78 7.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.40

2500

2000

1500

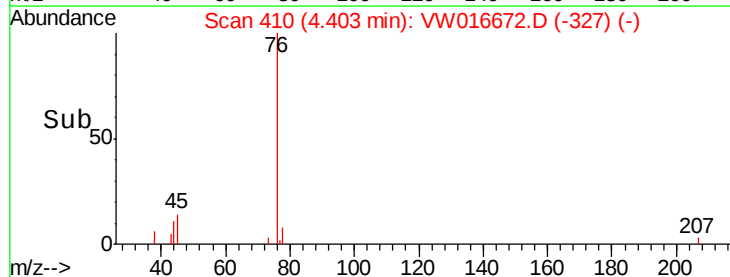
1000

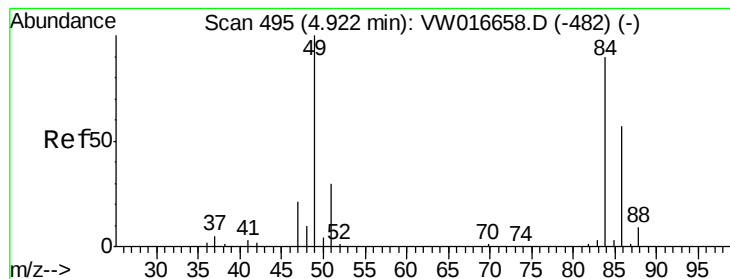
500

0

4.30 4.35 4.40 4.45 4.50

Time-->





#16

Methvlene chloride

Concen: 2.182 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW016672.D

Acq: 28 Sep 2020 16:50

Instrument :

MSVOA_W

ClientSampled :

BG3N1

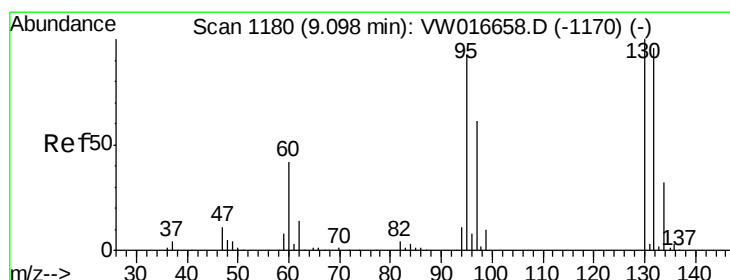
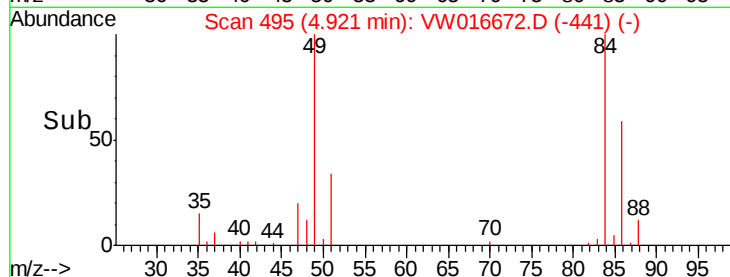
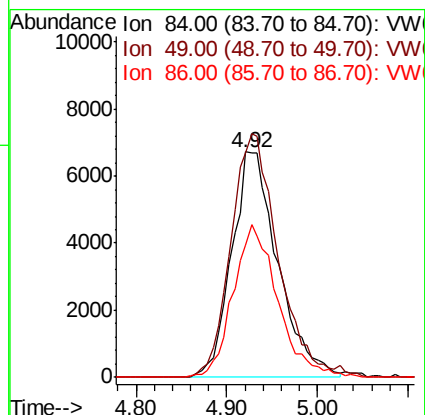
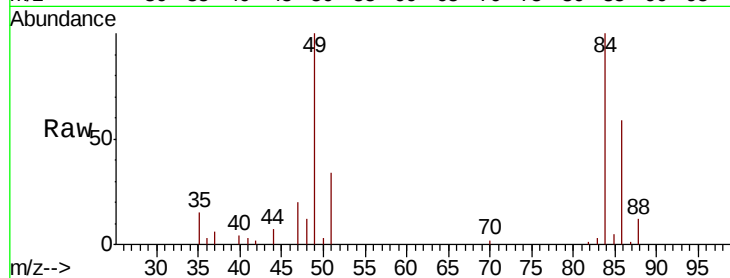
Tot Ion: 84 Resp: 23763

Ion Ratio Lower Upper

84 100

49 99.7 76.0 141.2

86 58.7 45.6 84.6



#35

Trichloroethene

Concen: 3.849 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW016672.D

Acq: 28 Sep 2020 16:50

Tgt Ion: 95 Resp: 37669

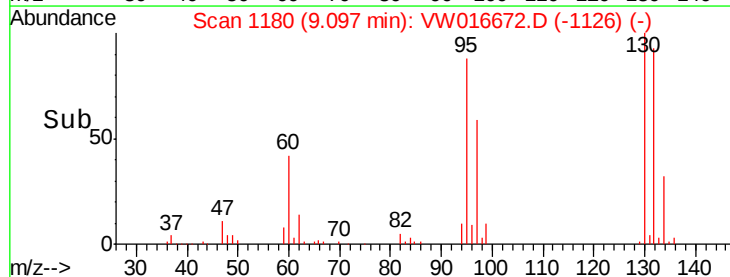
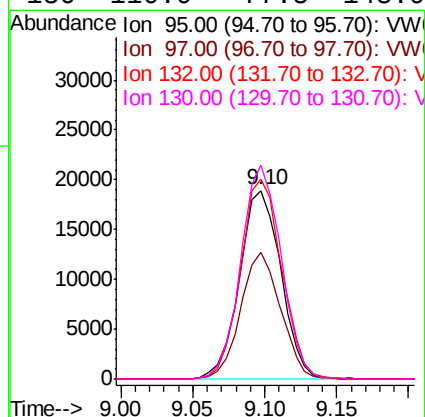
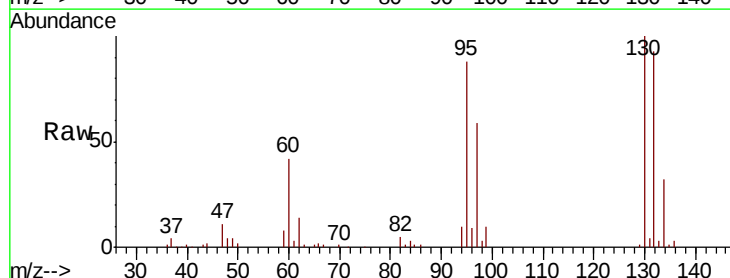
Ion Ratio Lower Upper

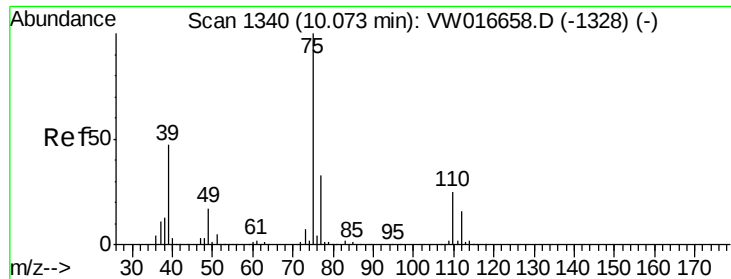
95 100

97 65.0 45.2 84.0

132 105.3 73.3 136.1

130 110.9 77.5 143.9





#42

cis-1,3-Dichloropropene

Concen: 0.503 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016672.D

Acq: 28 Sep 2020 16:50

Instrument :

MSVOA_W

ClientSampleId :

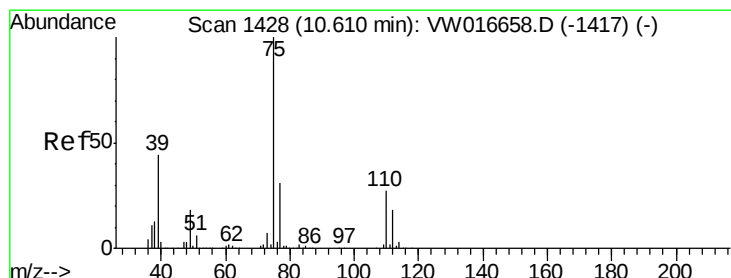
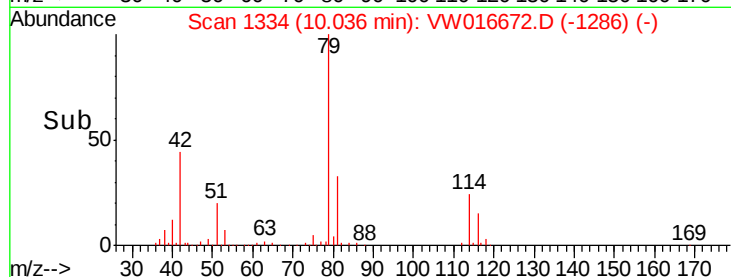
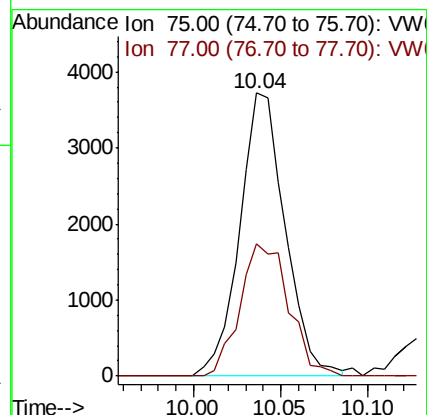
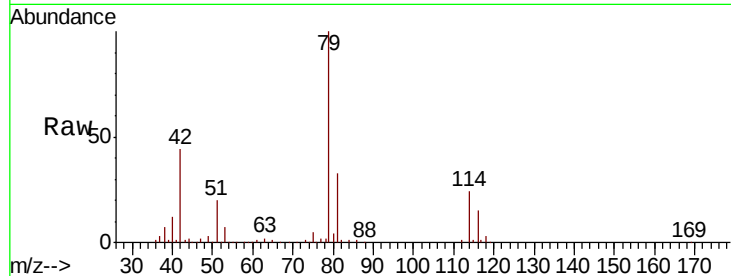
BG3N1

Tot Ion: 75 Resp: 6763

Ion Ratio Lower Upper

75 100

77 46.6 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.373 ug/L

RT: 10.58 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016672.D

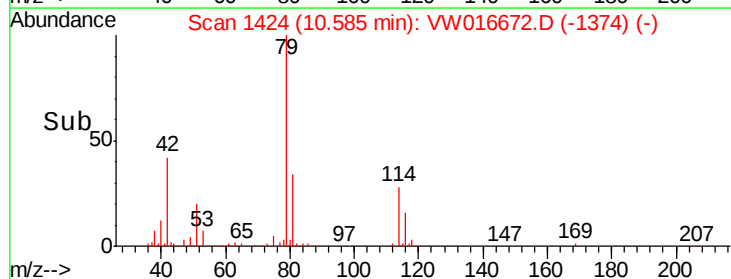
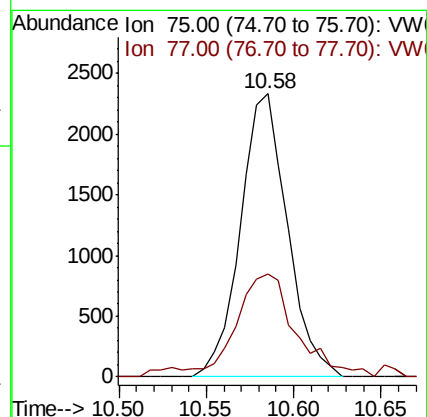
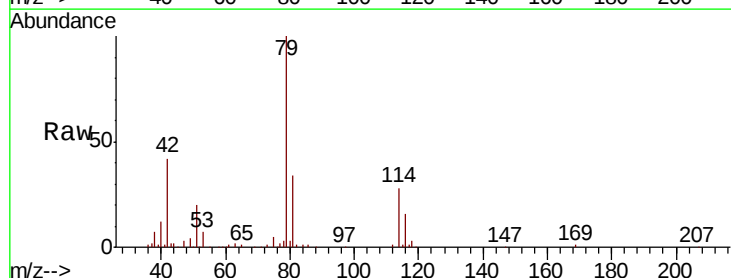
Acq: 28 Sep 2020 16:50

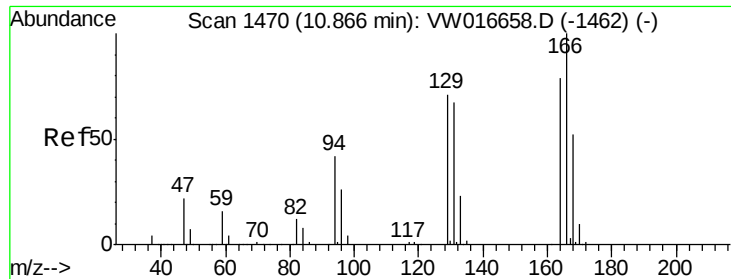
Tgt Ion: 75 Resp: 4356

Ion Ratio Lower Upper

75 100

77 36.5 22.5 41.9





#47

Tetrachloroethene

Concen: 53.221 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016672.D

Acq: 28 Sep 2020 16:50

Instrument :

MSVOA_W

ClientSampled :

BG3N1

Tot Ion:164 Resp: 470331

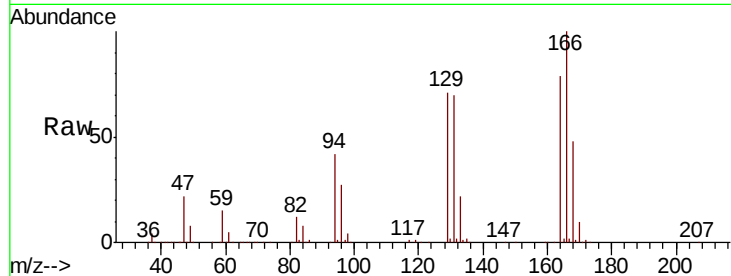
Ion Ratio Lower Upper

164 100

129 89.1 55.6 103.2

131 87.9 57.2 106.2

166 125.9 86.5 160.6

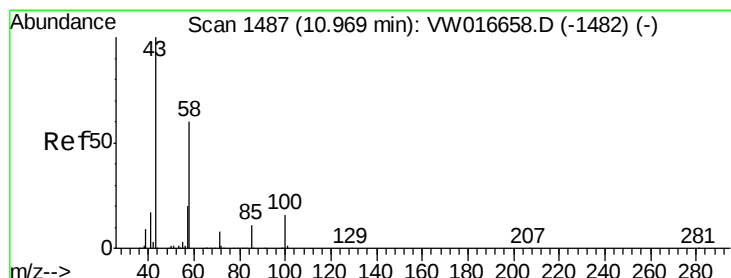
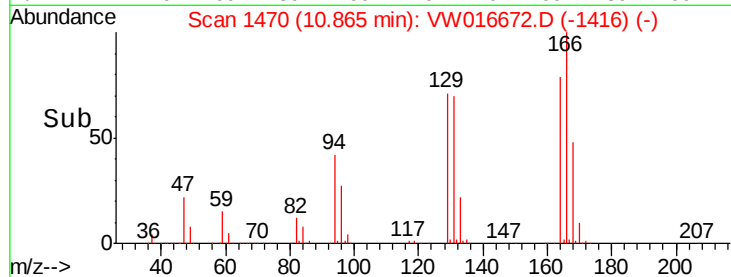
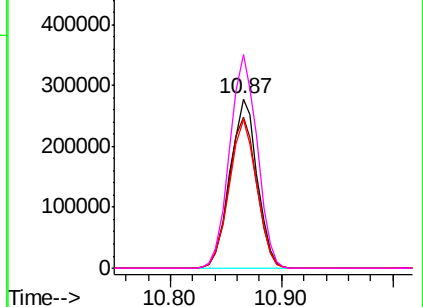


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.315 ug/L

RT: 10.93 min Scan# 1480

Delta R.T. -0.04 min

Lab File: VW016672.D

Acq: 28 Sep 2020 16:50

Tgt Ion: 43 Resp: 7343

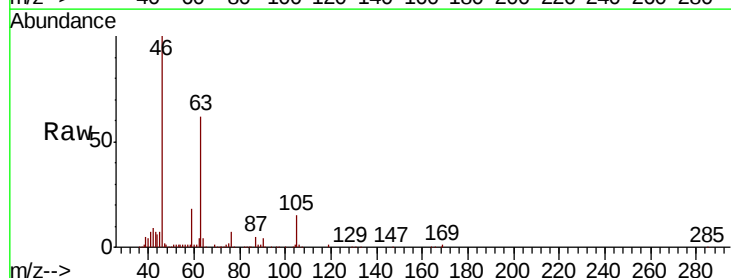
Ion Ratio Lower Upper

43 100

58 12.4 44.2 66.2#

57 22.6 16.3 24.5

100 1.0 12.4 18.6#



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

