

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016671.D
 Acq On : 28 Sep 2020 16:26
 Operator : SY/VA
 Sample : L4149-09
 Misc : 5.80G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3N0

Quant Time: Sep 29 05:29:27 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	706476	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	614317	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	283136	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	143444	20.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.92%
7) Chloroethane-d5	2.90	69	128682	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.20%
10) 1,1-Dichloroethene-d2	4.03	63	239583	15.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.68%
20) 2-Butanone-d5	7.09	46	77746	41.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.40%
24) Chloroform-d	7.65	84	364327	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.31	65	188616	24.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.44%
29) Benzene-d6	8.28	84	707306	25.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.68%
33) 1,2-Dichloropropane-d6	9.28	67	196094	26.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.04%
37) Toluene-d8	10.33	98	666460	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloropropene-	10.58	79	86713	23.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.16%
39) 2-Hexanone-d5	10.93	63	66413	48.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	153544	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	239946	26.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.08%

Target Compounds

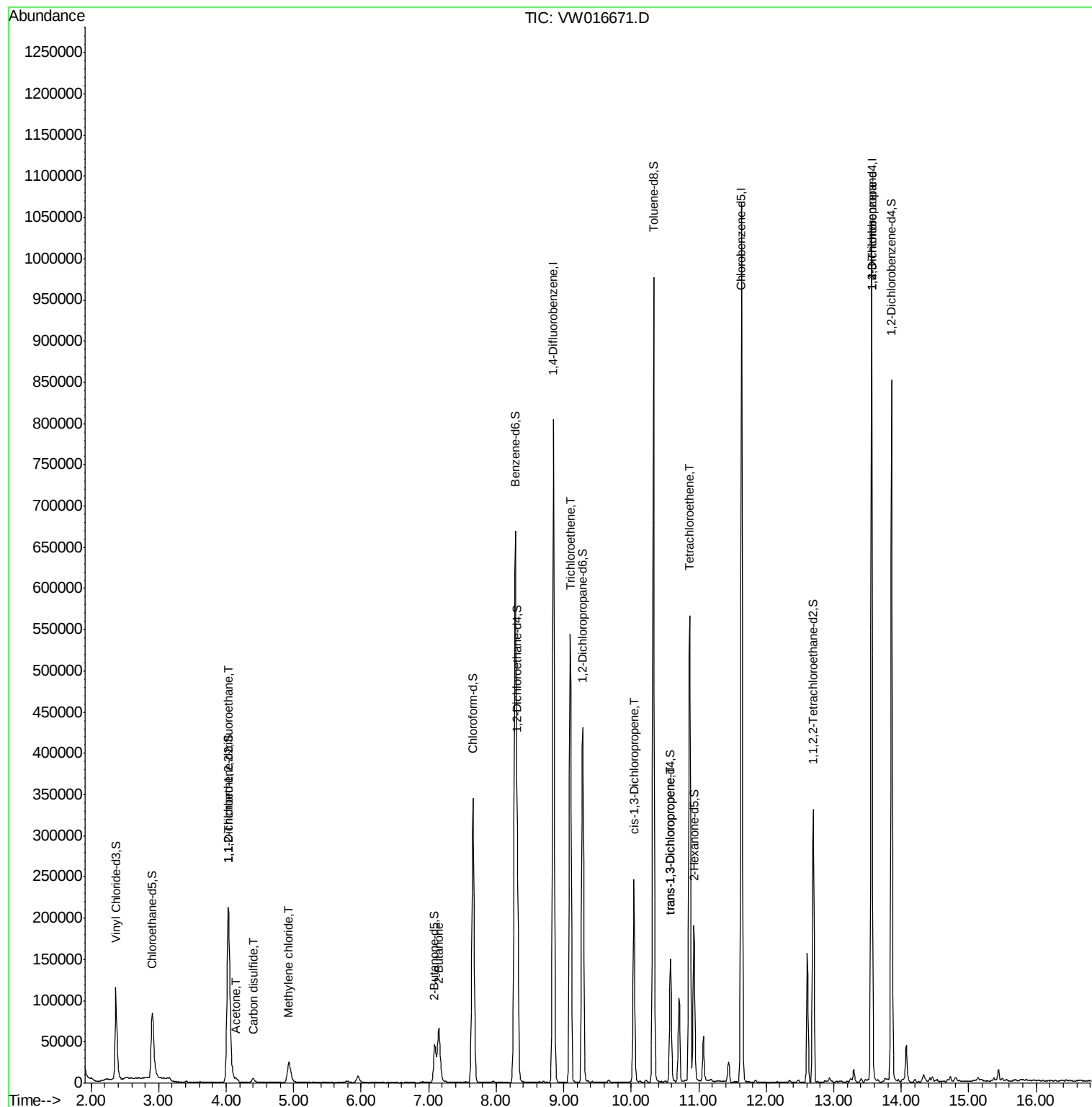
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	2402	0.264	ug/L #	17
13) Acetone	4.15	43	7791	5.335	ug/L	83
14) Carbon disulfide	4.40	76	11630	0.431	ug/L	99
16) Methylene chloride	4.93	84	23005	2.111	ug/L	95
21) 2-Butanone	7.15	43	1909	0.768	ug/L	91
35) Trichloroethene	9.10	95	185833	19.507	ug/L	100
42) cis-1,3-Dichloropropene	10.04	75	6826	0.522	ug/L #	77
45) trans-1,3-Dichloropropene	10.59	75	3968	0.349	ug/L	93
47) Tetrachloroethene	10.87	164	135033	15.698	ug/L	90
59) 1,2,3-Trichloropropane	13.56	75	29954	5.574	ug/L	90

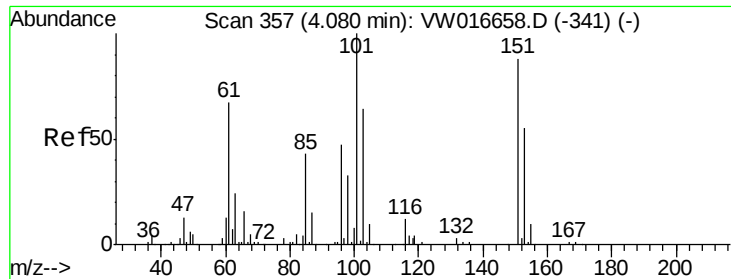
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Sep 29 05:26:53 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.264 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.04 min

Lab File: VW016671.D

Acq: 28 Sep 2020 16:26

Instrument :

MSVOA_W

ClientSampleId :

BG3N0

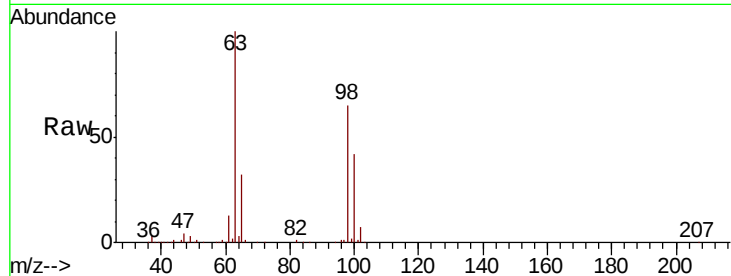
Tot Ion:101 Resp: 2402

Ion Ratio Lower Upper

101 100

85 0.0 32.6 49.0#

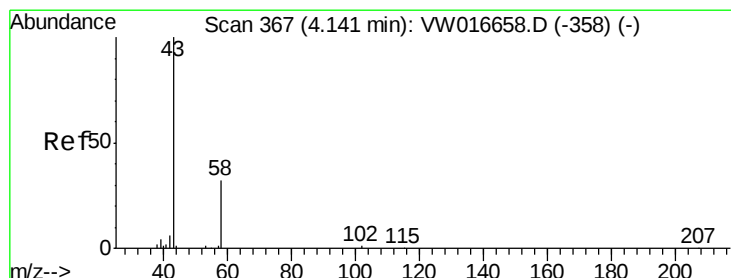
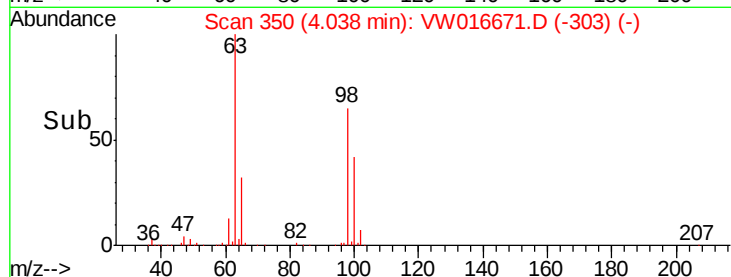
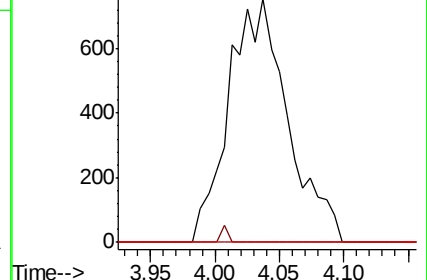
151 0.0 66.0 99.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 5.335 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW016671.D

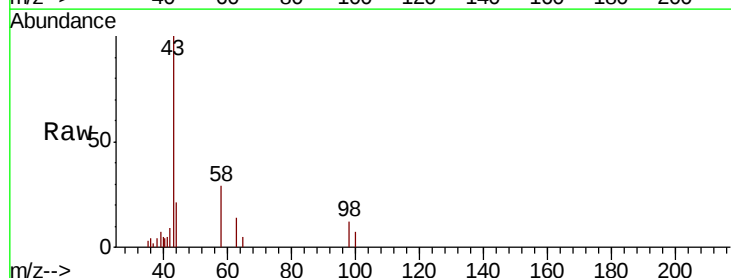
Acq: 28 Sep 2020 16:26

Tgt Ion: 43 Resp: 7791

Ion Ratio Lower Upper

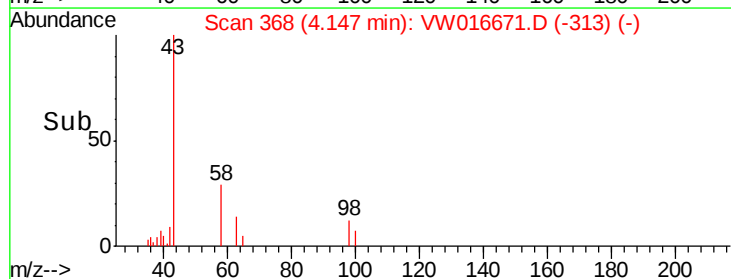
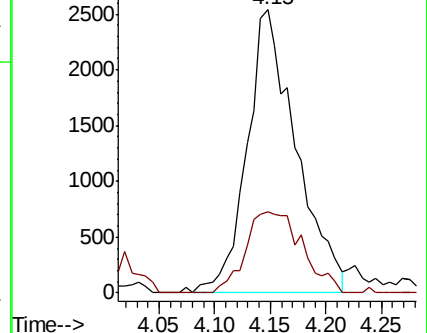
43 100

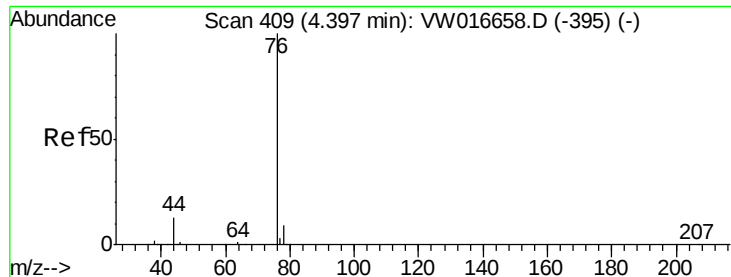
58 21.1 0.0 60.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 0.431 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016671.D

Acq: 28 Sep 2020 16:26

Instrument :

MSVOA_W

ClientSampleId :

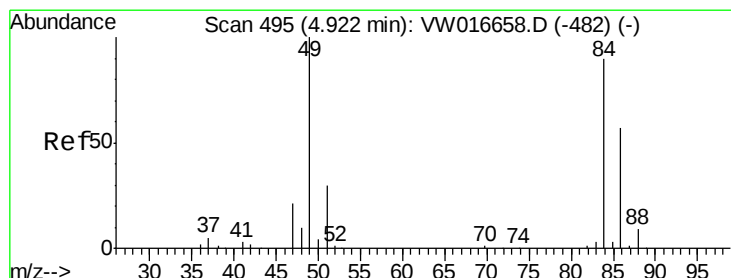
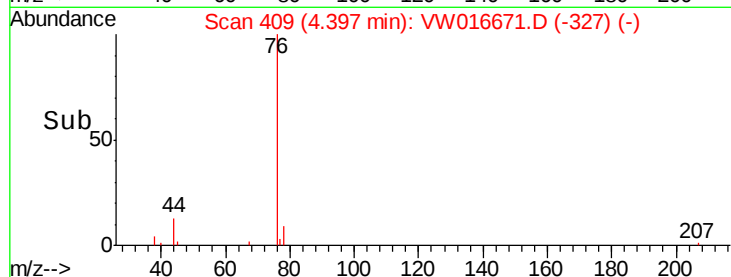
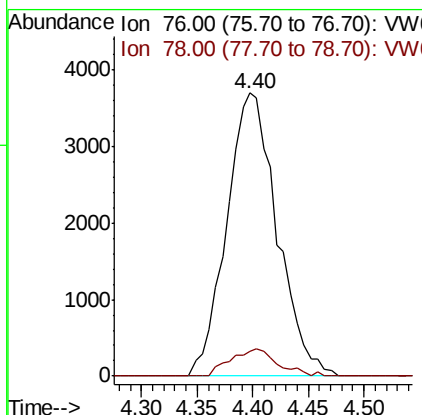
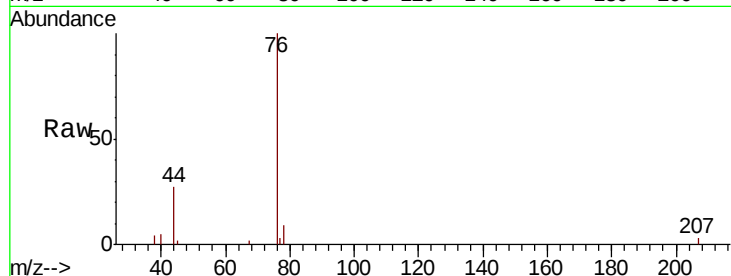
BG3N0

Tot Ion: 76 Resp: 11630

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#16

Methylene chloride

Concen: 2.111 ug/L

RT: 4.93 min Scan# 497

Delta R.T. 0.01 min

Lab File: VW016671.D

Acq: 28 Sep 2020 16:26

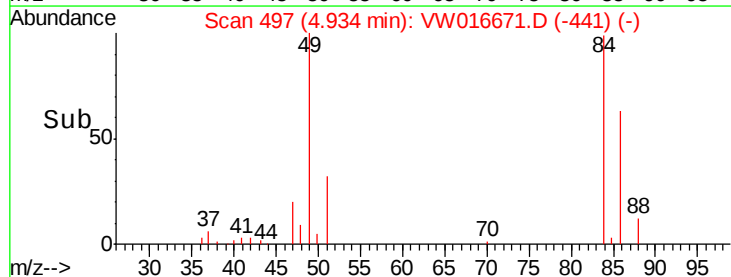
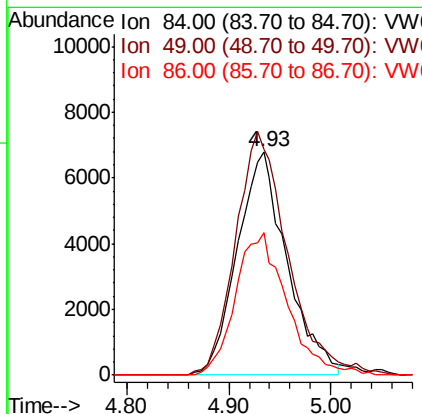
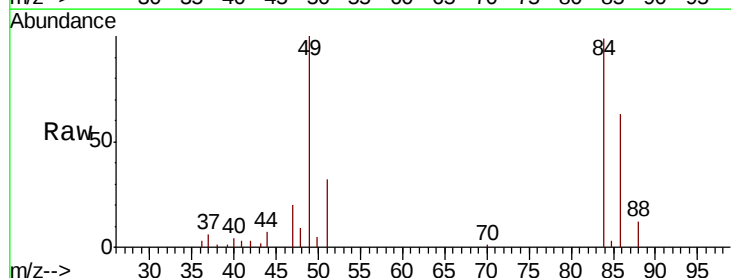
Tgt Ion: 84 Resp: 23005

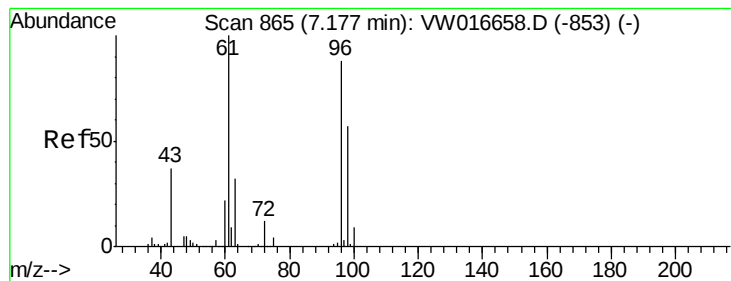
Ion Ratio Lower Upper

84 100

49 101.1 76.0 141.2

86 63.8 45.6 84.6





#21

2-Butanone

Concen: 0.768 ug/L

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW016671.D

Acq: 28 Sep 2020 16:26

Instrument :

MSVOA_W

ClientSampled :

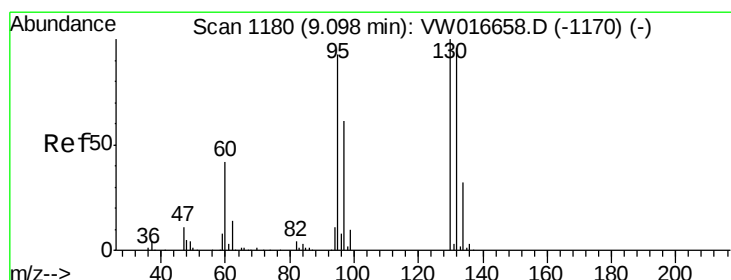
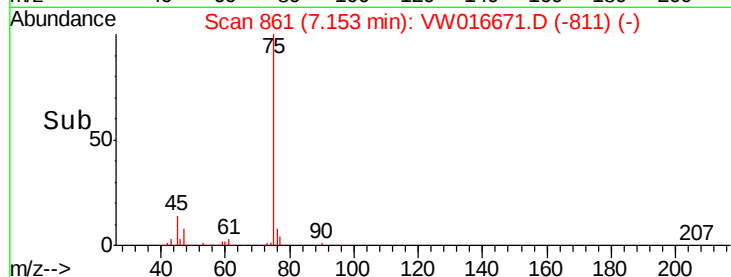
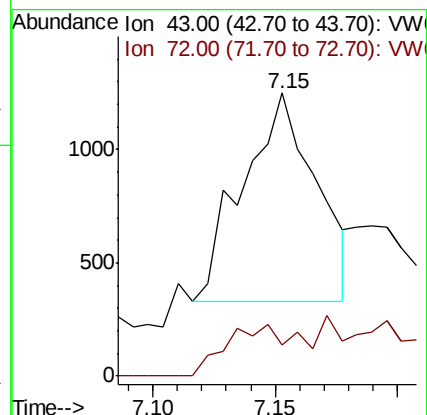
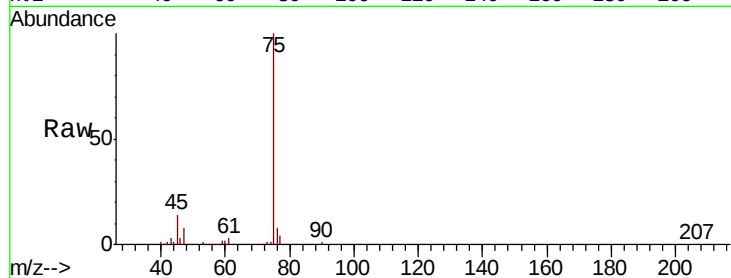
BG3N0

Tot Ion: 43 Resp: 1909

Ion Ratio Lower Upper

43 100

72 24.4 14.6 43.8



#35

Trichloroethene

Concen: 19.507 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016671.D

Acq: 28 Sep 2020 16:26

Tgt Ion: 95 Resp: 185833

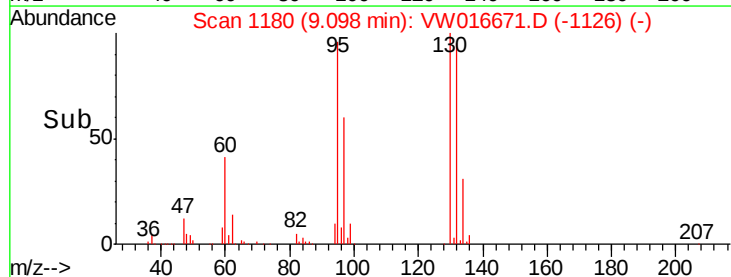
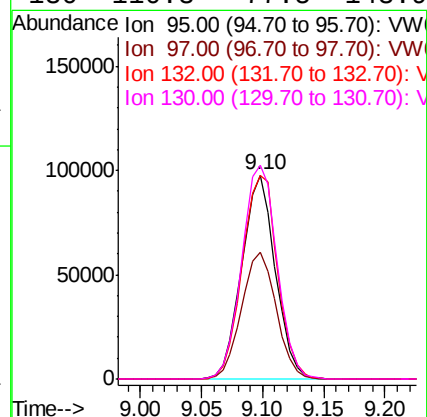
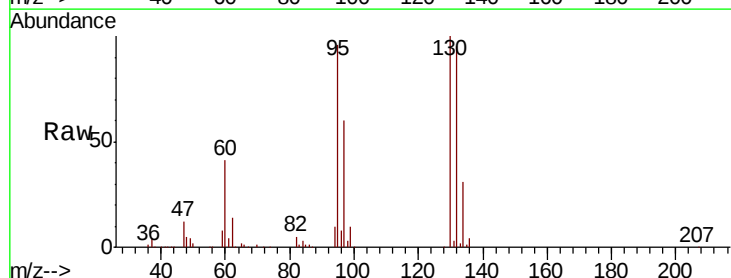
Ion Ratio Lower Upper

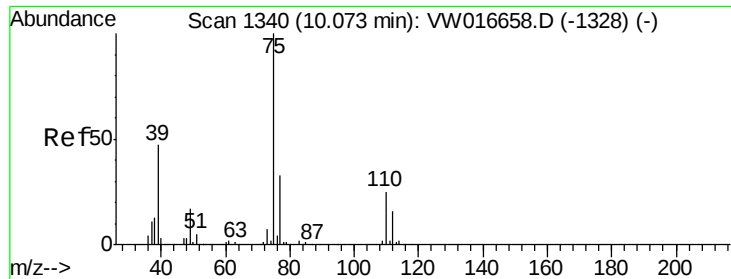
95 100

97 64.6 45.2 84.0

132 105.3 73.3 136.1

130 110.3 77.5 143.9





#42

cis-1,3-Dichloropropene

Concen: 0.522 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016671.D

Acq: 28 Sep 2020 16:26

Instrument :

MSVOA_W

ClientSampleId :

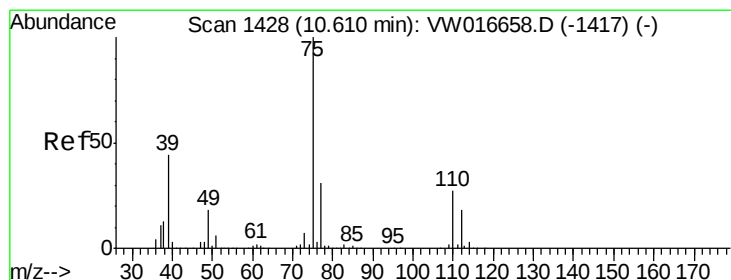
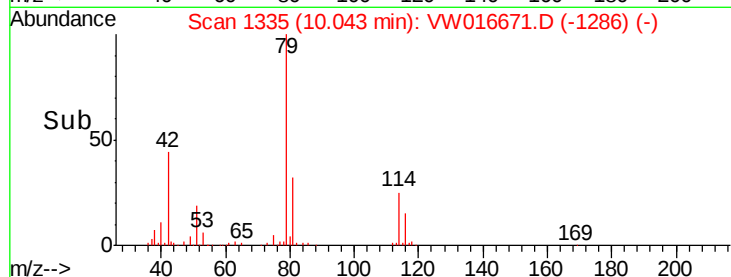
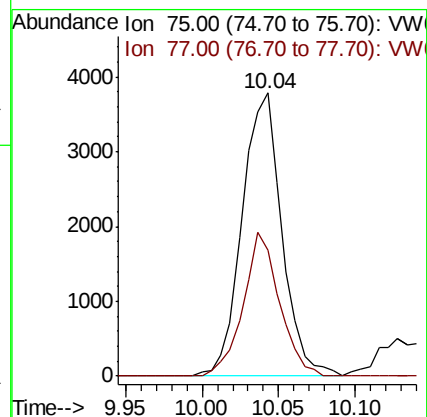
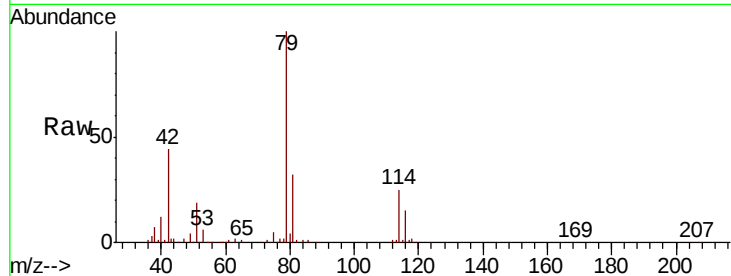
BG3N0

Tot Ion: 75 Resp: 6826

Ion Ratio Lower Upper

75 100

77 44.7 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.349 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016671.D

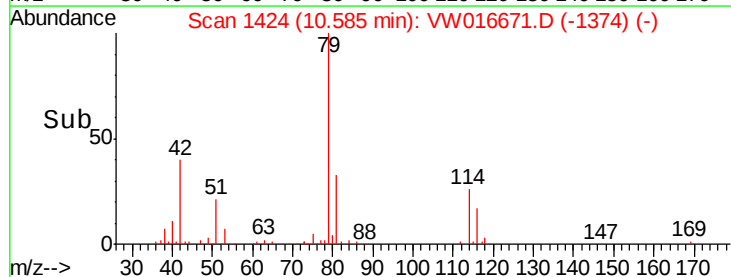
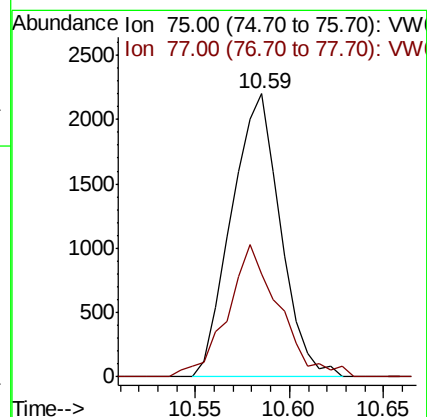
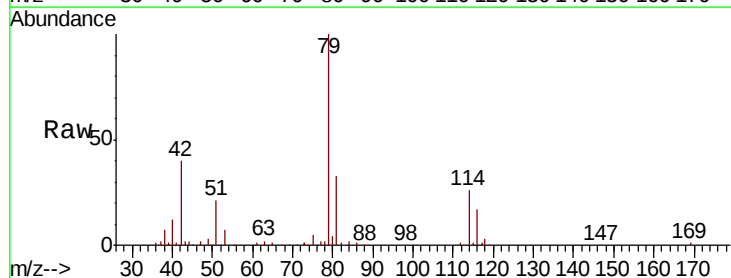
Acq: 28 Sep 2020 16:26

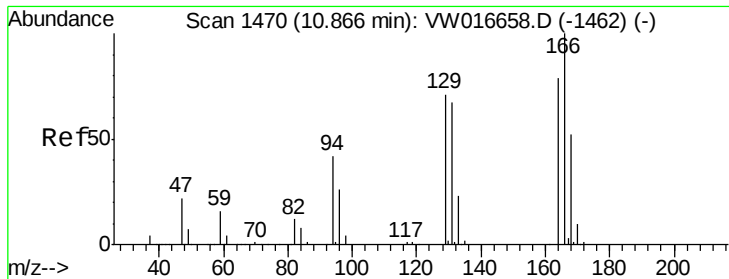
Tgt Ion: 75 Resp: 3968

Ion Ratio Lower Upper

75 100

77 36.2 22.5 41.9

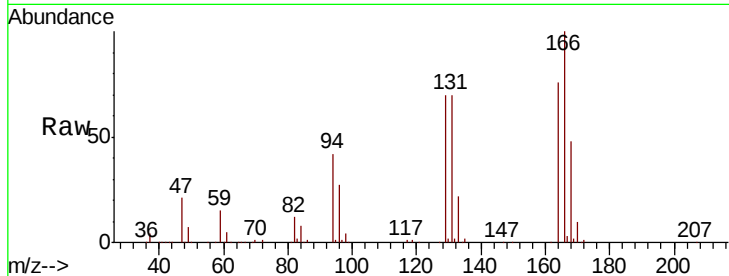




#47
Tetrachloroethene
Concen: 15.698 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016671.D
Acq: 28 Sep 2020 16:26

Instrument :
MSVOA_W
ClientSampled :
BG3N0

Tot Ion	Ratio	Lower	Upper
164	100		
129	92.3	55.6	103.2
131	91.7	57.2	106.2
166	131.5	86.5	160.6



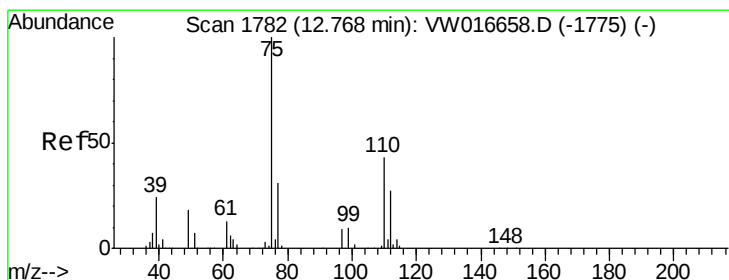
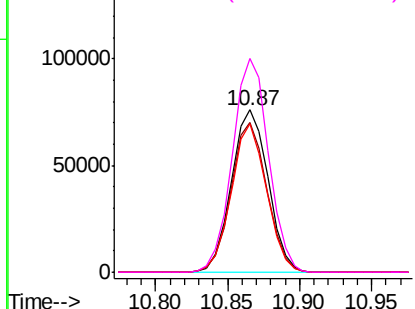
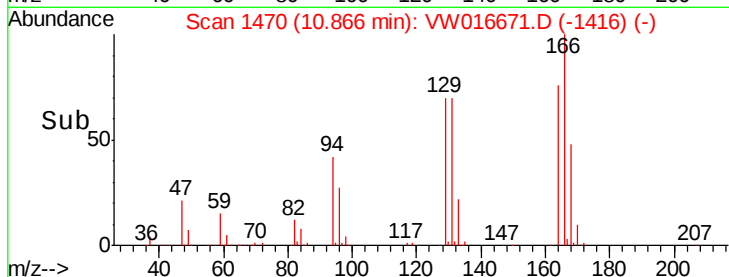
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

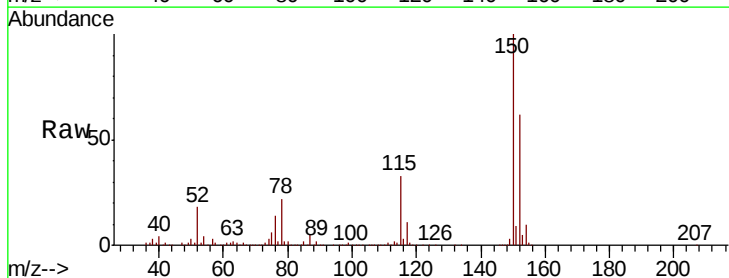
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59
1,2,3-Trichloropropane
Concen: 5.574 ug/L
RT: 13.56 min Scan# 1912
Delta R.T. 0.79 min
Lab File: VW016671.D
Acq: 28 Sep 2020 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.3	26.2	39.4



Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

