

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092820\
 Data File : VW016670.D
 Acq On : 28 Sep 2020 16:03
 Operator : SY/VA
 Sample : L4149-08
 Misc : 6.08G/10ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3L9

Quant Time: Sep 29 05:29:18 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	741076	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	626650	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	273351	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	146011	20.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.44%
7) Chloroethane-d5	2.90	69	131771	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.00%
10) 1,1-Dichloroethene-d2	4.03	63	249139	15.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.12%
20) 2-Butanone-d5	7.09	46	79730	40.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.54%
24) Chloroform-d	7.65	84	374380	24.15	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	8.31	65	192275	24.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.64%
29) Benzene-d6	8.28	84	727870	25.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.60%
33) 1,2-Dichloropropane-d6	9.27	67	201837	26.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.00%
37) Toluene-d8	10.33	98	686341	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.28%
38) trans-1,3-Dichloropropene-	10.58	79	86306	22.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.92%
39) 2-Hexanone-d5	10.93	63	66794	48.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	156054	24.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	225026	25.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.04%

Target Compounds

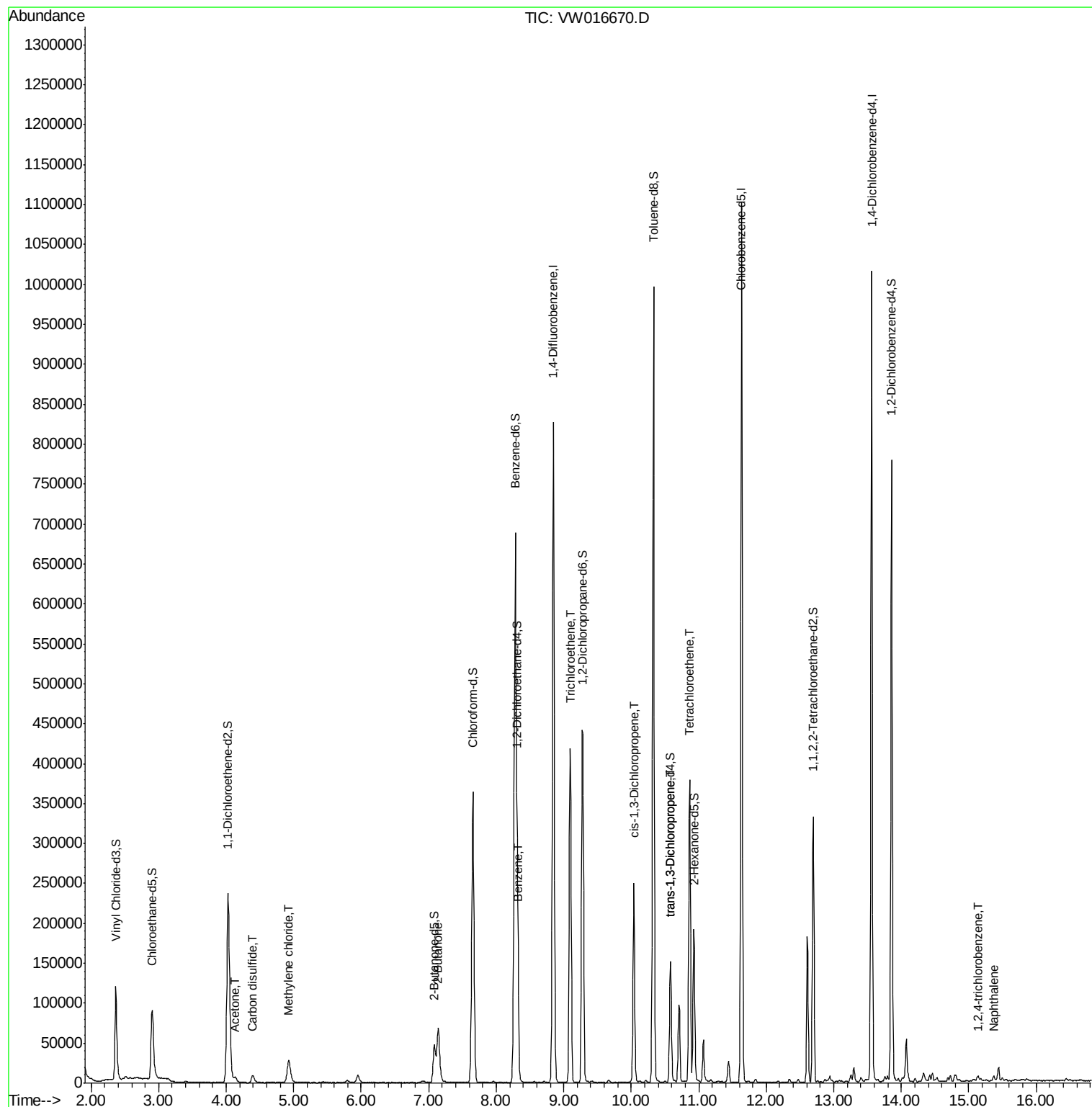
					Ovalue
13) Acetone	4.14	43	9814	6.406 ug/L	96
14) Carbon disulfide	4.39	76	19226	0.679 ug/L	99
16) Methylene chloride	4.92	84	24636	2.155 ug/L	95
21) 2-Butanone	7.14	43	3341	1.282 ug/L	74
34) Benzene	8.33	78	9395	0.280 ug/L	100
35) Trichloroethene	9.10	95	141288	14.539 ug/L	98
42) cis-1,3-Dichloropropene	10.04	75	6906	0.518 ug/L #	71
45) trans-1,3-Dichloropropene	10.59	75	4201	0.362 ug/L	88
47) Tetrachloroethene	10.87	164	85665	9.763 ug/L	95
68) 1,2,4-trichlorobenzene	15.14	180	2242	0.213 ug/L	96
69) Naphthalene	15.37	128	5405	0.290 ug/L	97

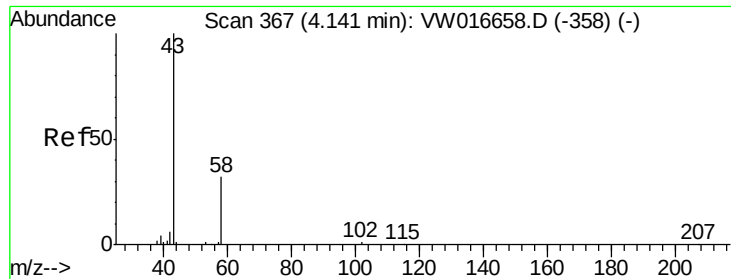
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 6.406 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

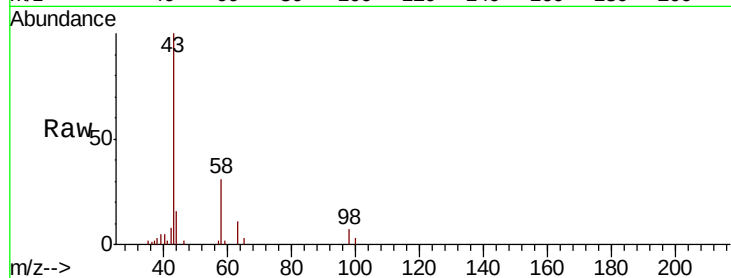
BG3L9

Tot Ion: 43 Resp: 9814

Ion Ratio Lower Upper

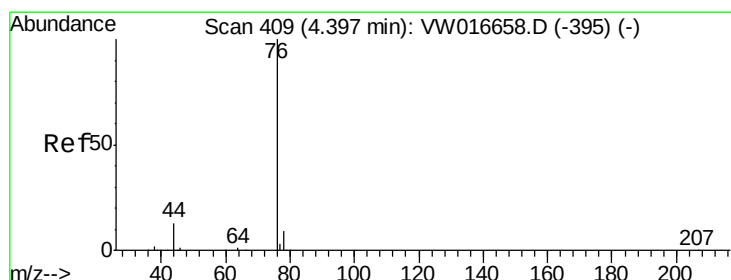
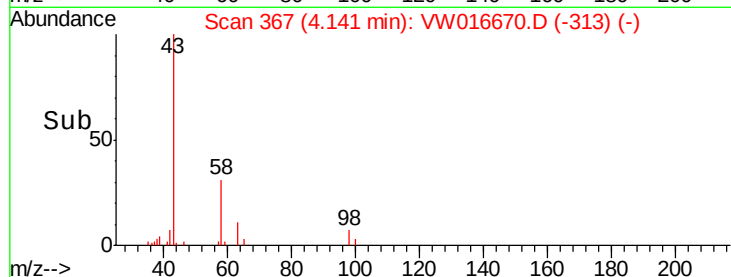
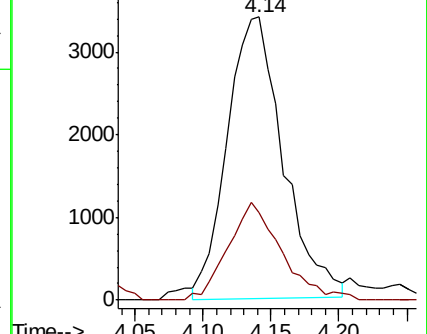
43 100

58 32.1 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: 0.679 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.01 min

Lab File: VW016670.D

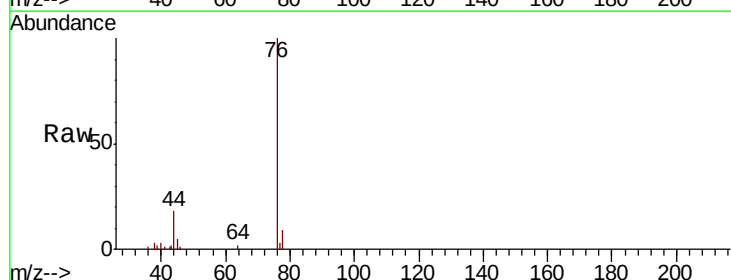
Acq: 28 Sep 2020 16:03

Tgt Ion: 76 Resp: 19226

Ion Ratio Lower Upper

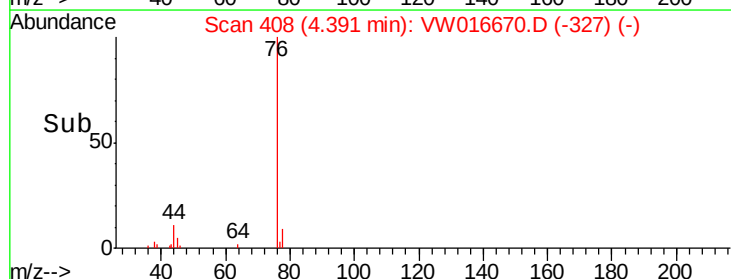
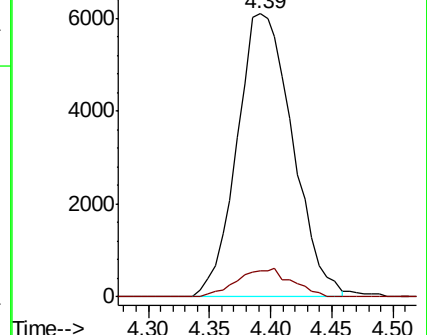
76 100

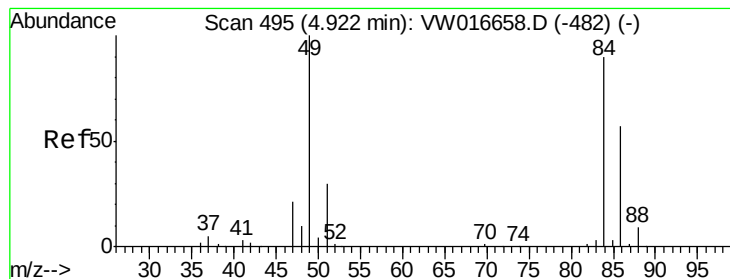
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 2.155 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

BG3L9

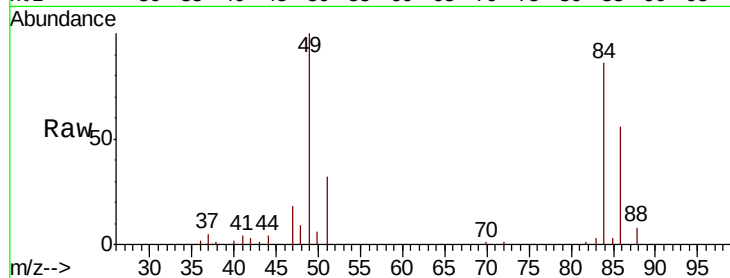
Tot Ion: 84 Resp: 24636

Ion Ratio Lower Upper

84 100

49 115.7 76.0 141.2

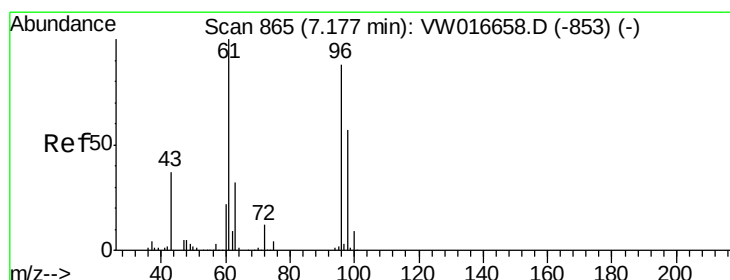
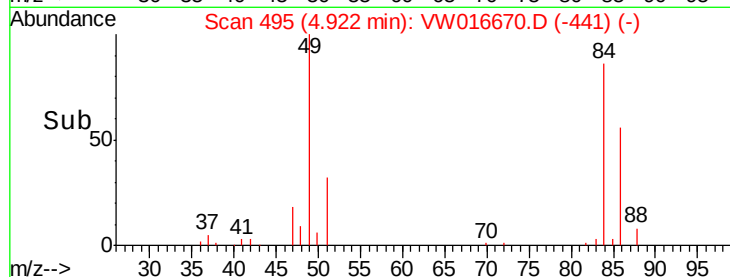
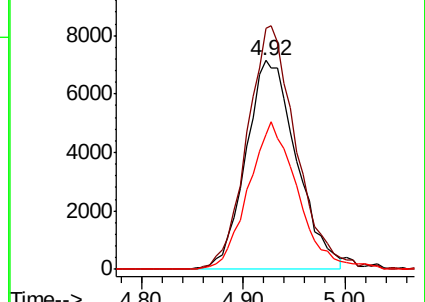
86 64.4 45.6 84.6



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



#21

2-Butanone

Concen: 1.282 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.04 min

Lab File: VW016670.D

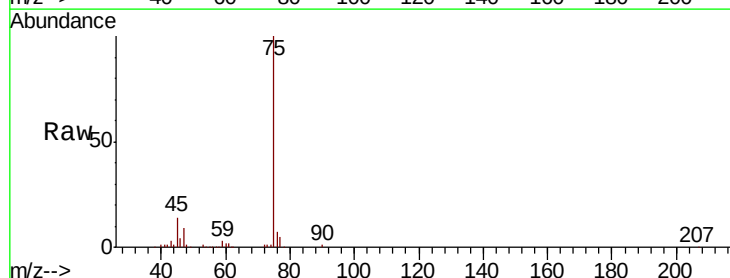
Acq: 28 Sep 2020 16:03

Tgt Ion: 43 Resp: 3341

Ion Ratio Lower Upper

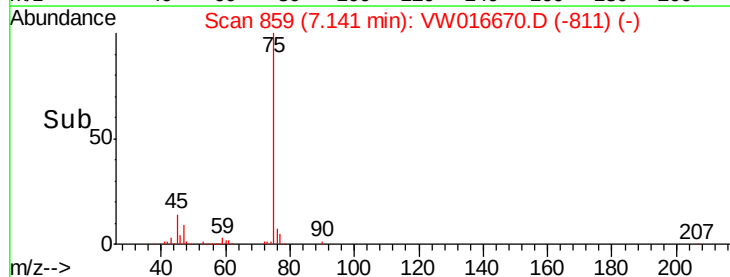
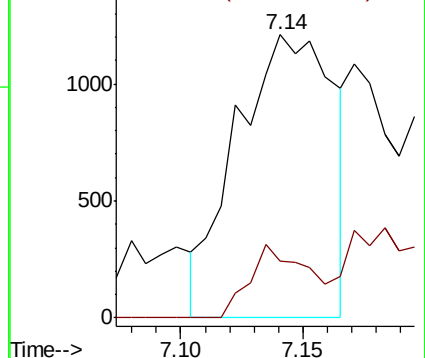
43 100

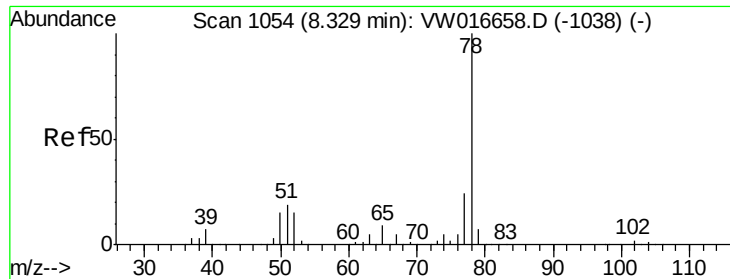
72 15.4 14.6 43.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#34

Benzene

Concen: 0.280 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

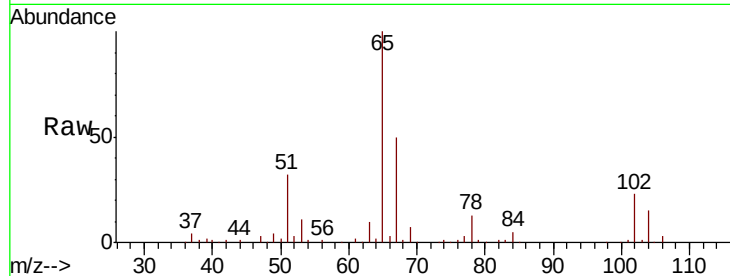
Instrument :

MSVOA_W

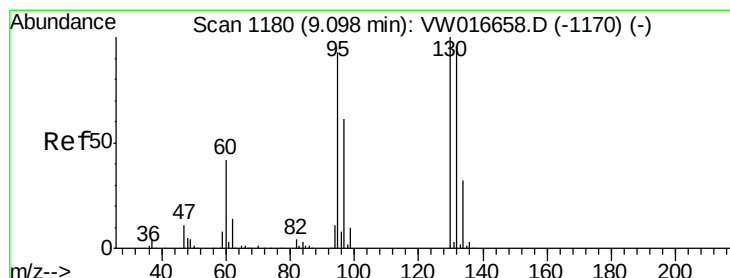
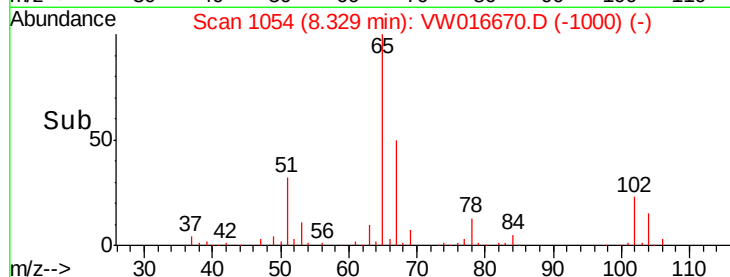
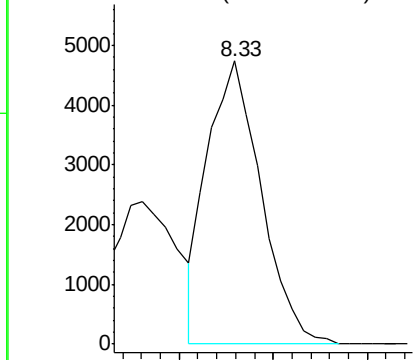
ClientSampleId :

BG3L9

Tgt Ion: 78 Resp: 9395



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 14.539 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

Tgt Ion: 95 Resp: 141288

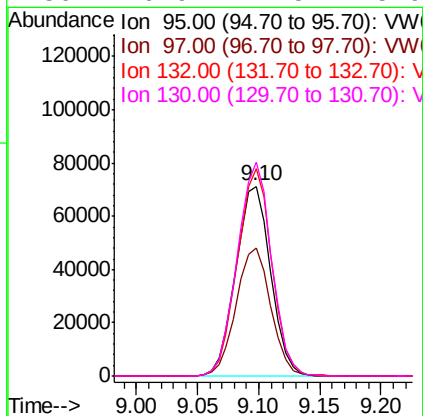
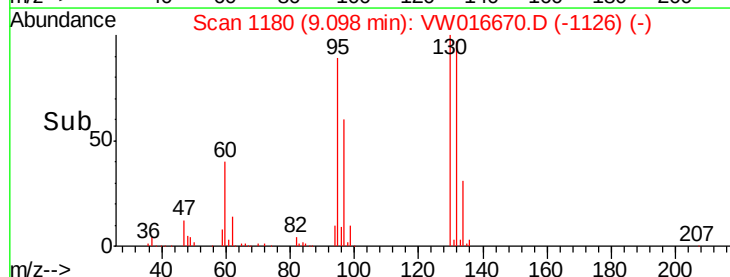
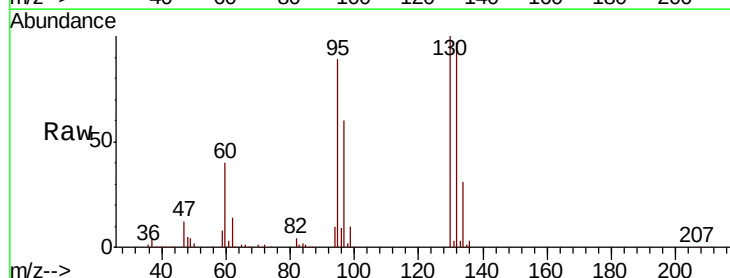
Ion	Ratio	Lower	Upper
95	100		
97	66.8	45.2	84.0
132	107.2	73.3	136.1
130	110.9	77.5	143.9

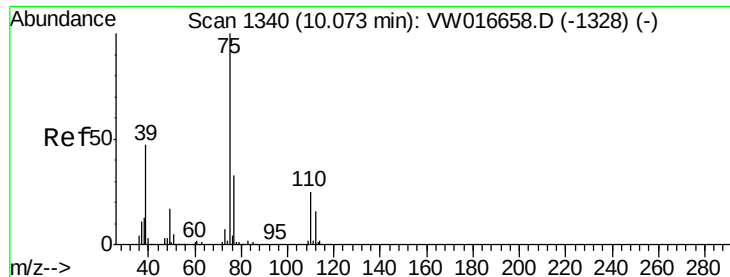
Abundance Ion 95.00 (94.70 to 95.70): VW

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





#42

cis-1,3-Dichloropropene

Concen: 0.518 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

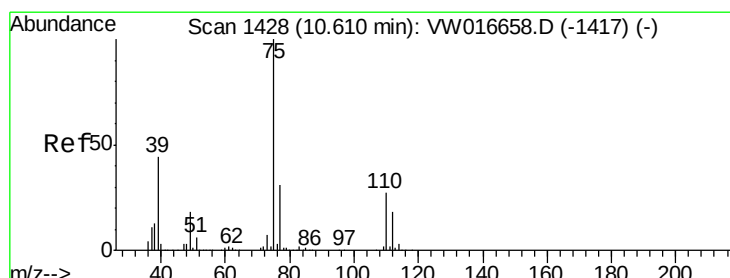
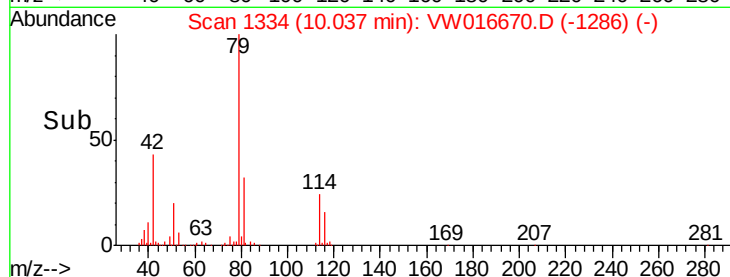
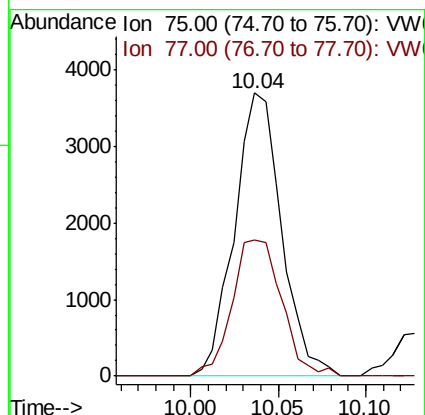
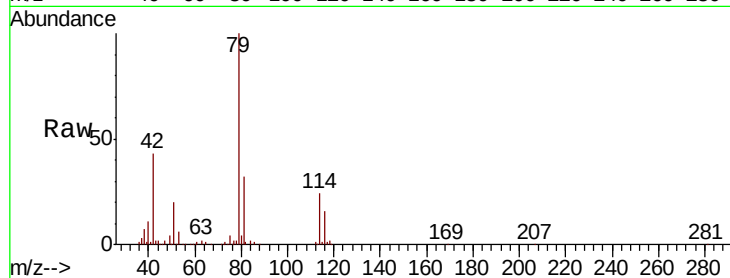
BG3L9

Tot Ion: 75 Resp: 6906

Ion Ratio Lower Upper

75 100

77 48.1 22.2 41.2#



#45

trans-1,3-Dichloropropene

Concen: 0.362 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016670.D

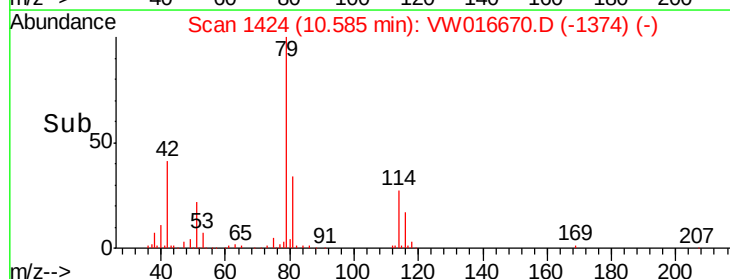
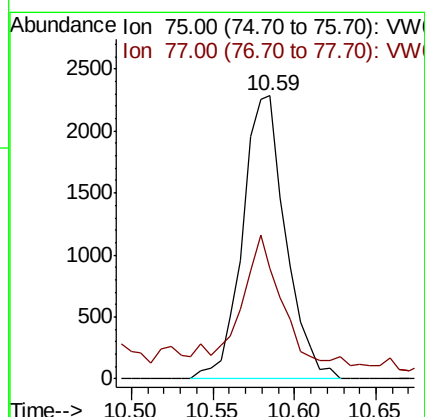
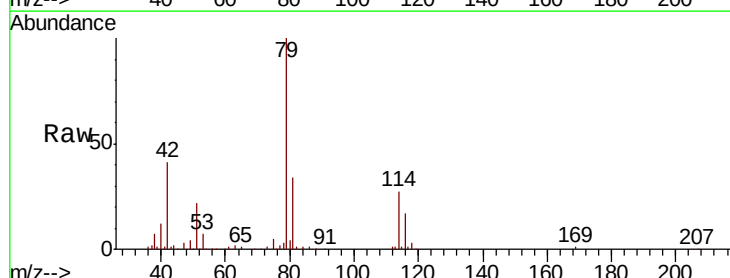
Acq: 28 Sep 2020 16:03

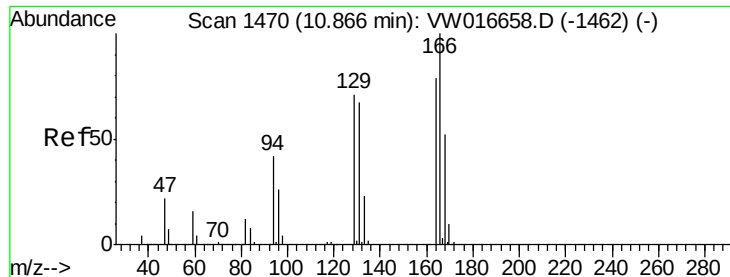
Tgt Ion: 75 Resp: 4201

Ion Ratio Lower Upper

75 100

77 39.1 22.5 41.9





#47

Tetrachloroethene

Concen: 9.763 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

BG3L9

Tot Ion:164 Resp: 85665

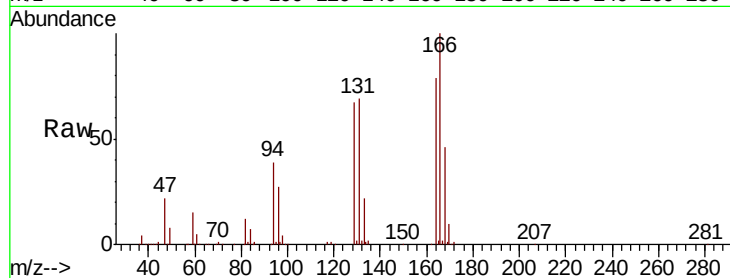
Ion Ratio Lower Upper

164 100

129 84.8 55.6 103.2

131 86.9 57.2 106.2

166 126.6 86.5 160.6

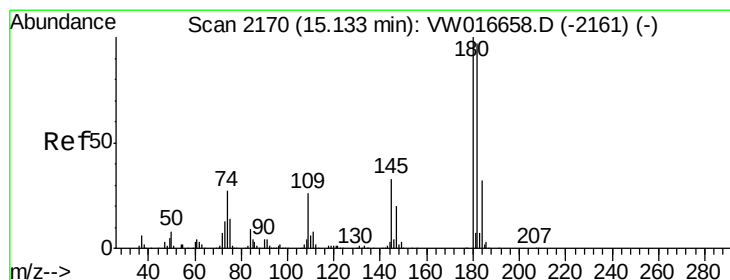
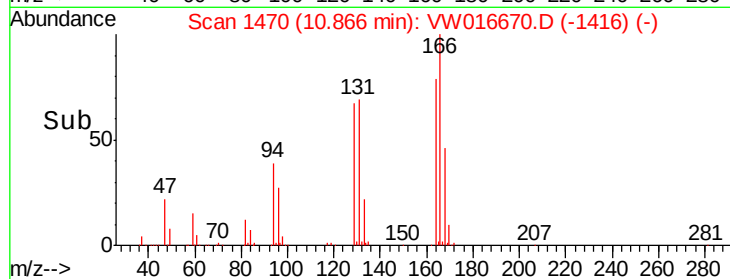
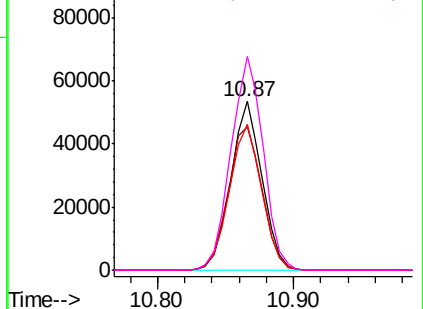


Abundance Ion 164.00 (163.70 to 164.70): V

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



#68

1,2,4-trichlorobenzene

Concen: 0.213 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VW016670.D

Acq: 28 Sep 2020 16:03

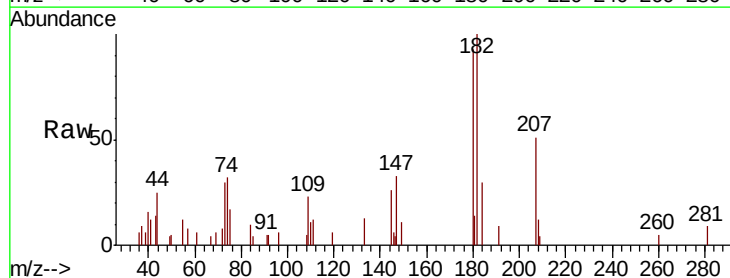
Tgt Ion:180 Resp: 2242

Ion Ratio Lower Upper

180 100

182 98.4 74.5 111.7

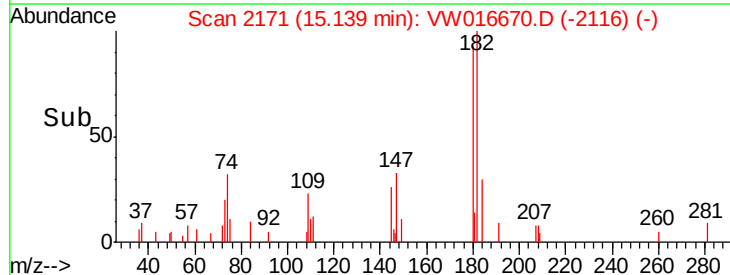
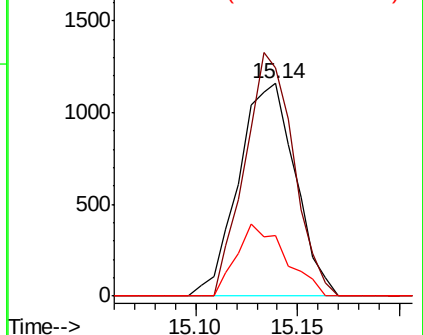
145 29.3 23.1 34.7

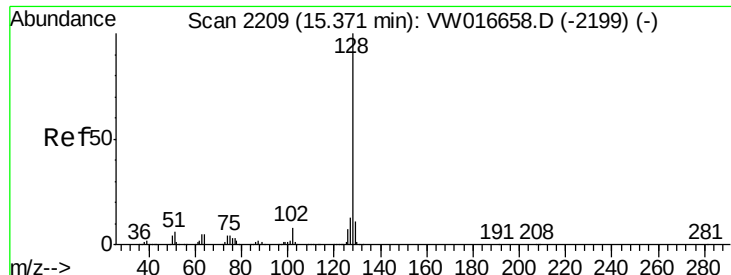


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 0.290 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016670.D

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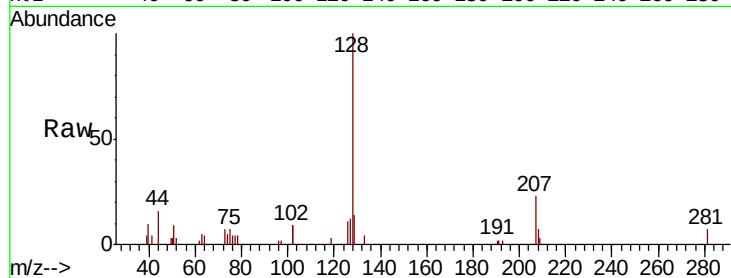
Tot Ion:128 Resp: 5405

Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

127 15.1 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

