

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102920\
 Data File : VW017026.D
 Acq On : 29 Oct 2020 15:27
 Operator : SY/VA
 Sample : L4543-05
 Misc : 5.71G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 30 01:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 01:03:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	34398	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	27012	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	5955	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12104	30.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.96%
7) Chloroethane-d5	2.90	69	10182	33.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	132.40%
10) 1,1-Dichloroethene-d2	4.03	63	15830	20.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.00%
20) 2-Butanone-d5	7.15	46	201	2.69	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	=	5.38%#
24) Chloroform-d	7.65	84	20806	26.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.88%
26) 1,2-Dichloroethane-d4	8.31	65	9487	25.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.64%
29) Benzene-d6	8.28	84	40685	29.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	117.28%
33) 1,2-Dichloropropane-d6	9.28	67	11178	29.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.40%
37) Toluene-d8	10.33	98	32618	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	10.59	79	3177	19.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.96%
39) 2-Hexanone-d5	10.93	63	1446	27.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	55.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	6141	21.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	5748	27.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.84%

Target Compounds

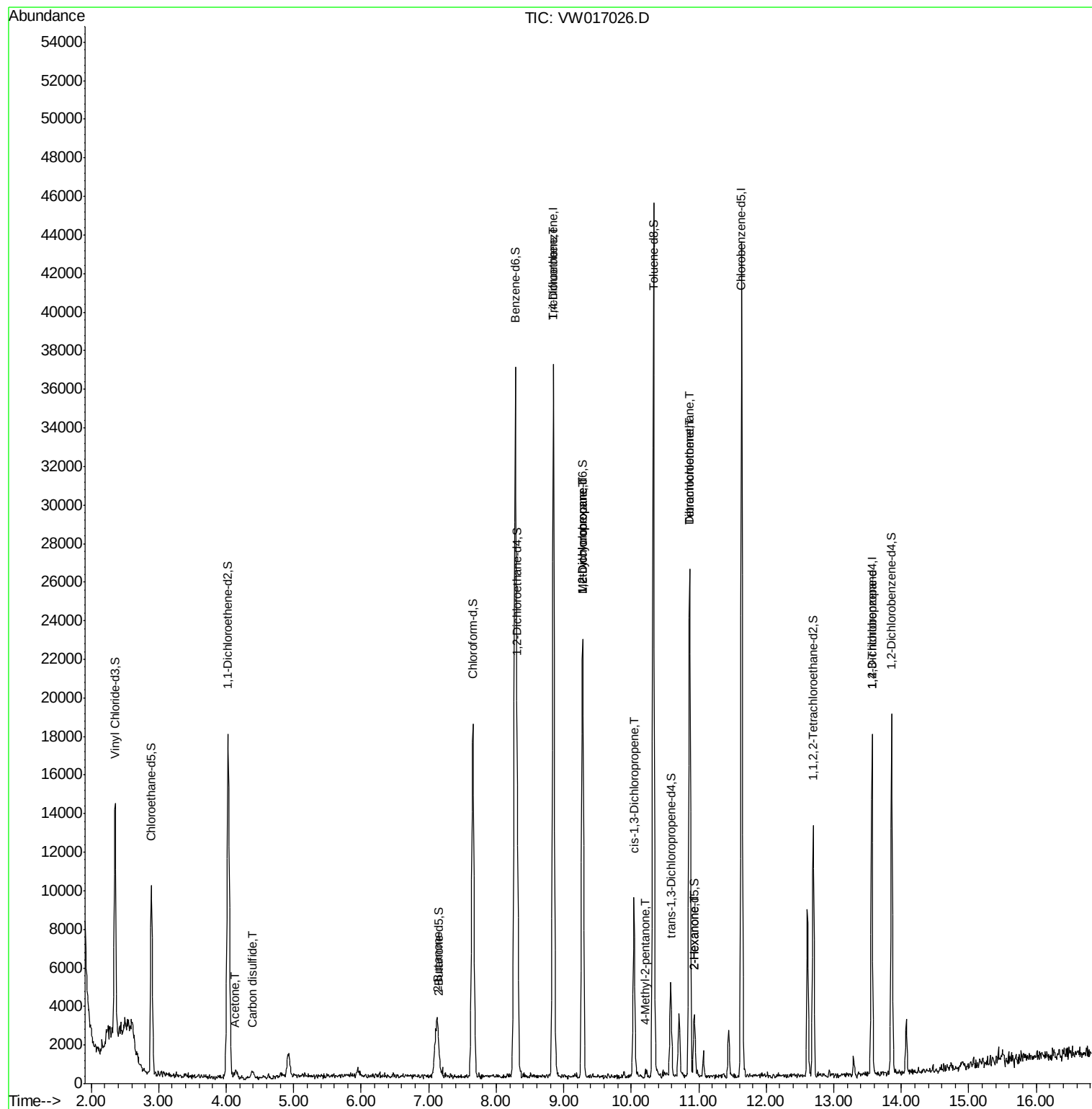
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	247	4.908	ug/L	73
14) Carbon disulfide	4.39	76	525	0.385	ug/L #	75
21) 2-Butanone	7.15	43	61	0.724	ug/L #	43
35) Trichloroethene	8.84	95	1005	2.432	ug/L #	1
36) Methylcyclohexane	9.27	83	2649	3.817	ug/L #	20
40) 1,2-Dichloropropane	9.27	63	1253	3.760	ug/L #	83
42) cis-1,3-Dichloropropene	10.04	75	182	0.349	ug/L #	55
43) 4-Methyl-2-pentanone	10.21	43	219	1.386	ug/L #	75
47) Tetrachloroethene	10.87	164	6363	16.738	ug/L	95
49) 2-Hexanone	10.94	43	187	1.857	ug/L #	34
50) Dibromochloromethane	10.87	129	5913	18.196	ug/L #	10
59) 1,2,3-Trichloropropane	13.56	75	589	2.875	ug/L	96

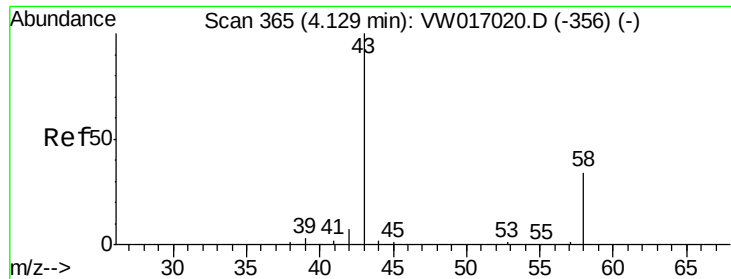
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 30 01:03:22 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.908 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017026.D

Acq: 29 Oct 2020 15:27

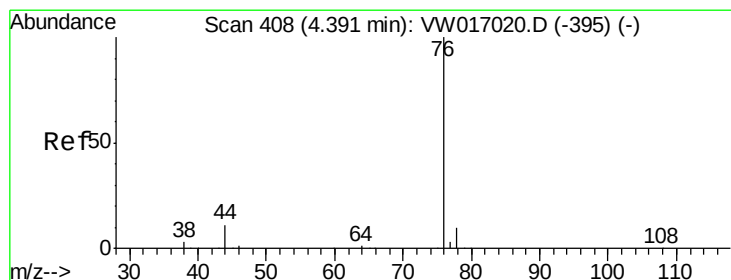
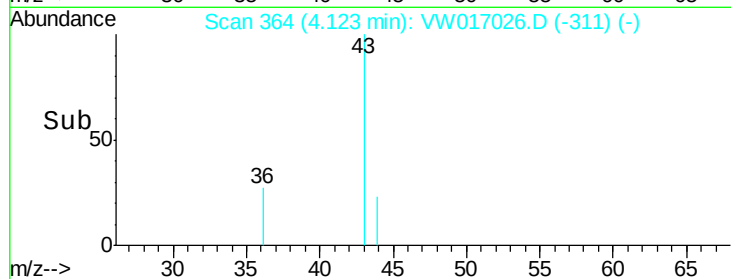
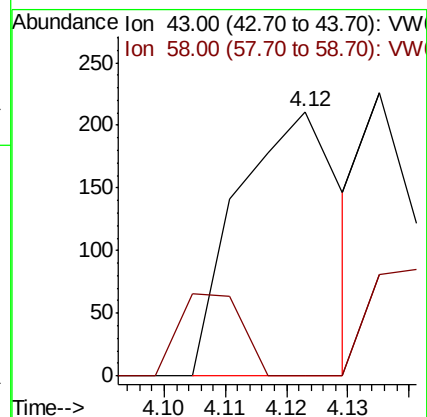
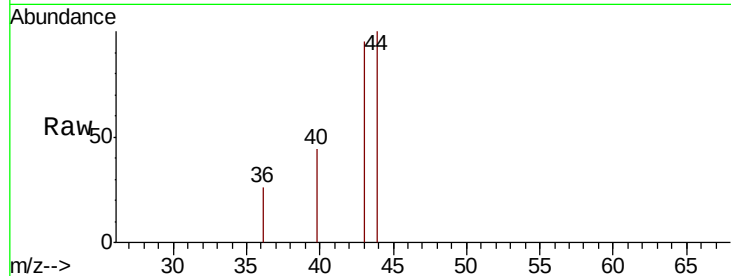
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 247

Ion Ratio Lower Upper

43 100

58 19.4 0.0 69.8



#14

Carbon disulfide

Concen: 0.385 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017026.D

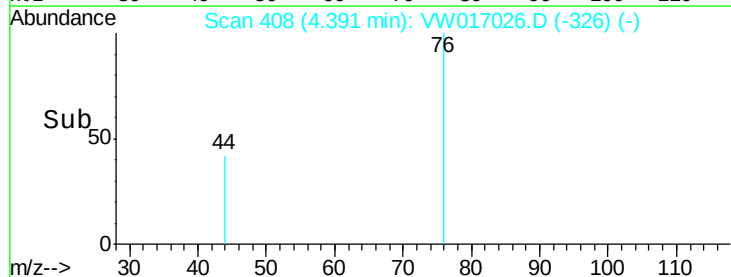
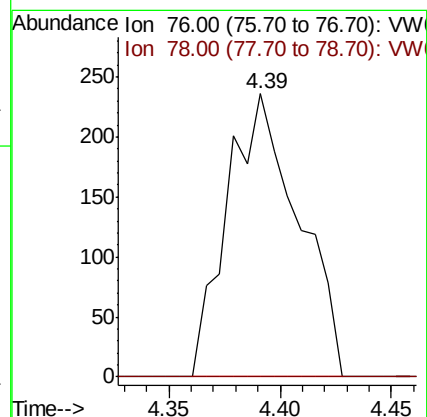
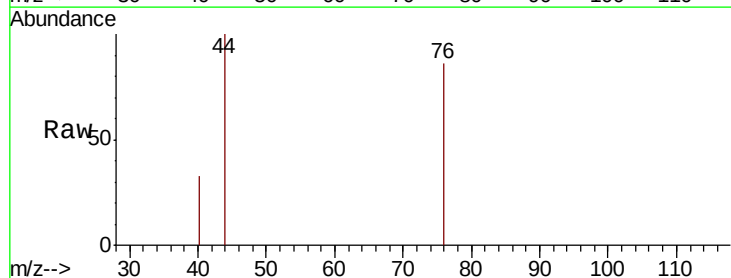
Acq: 29 Oct 2020 15:27

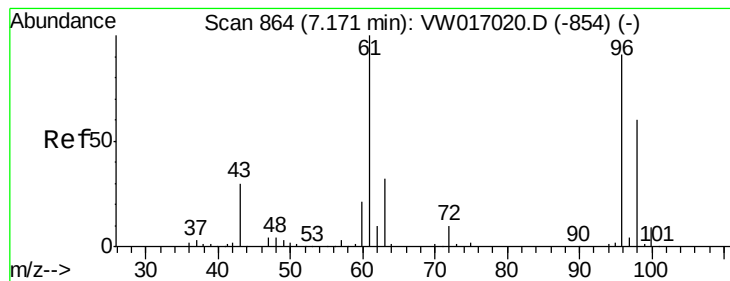
Tgt Ion: 76 Resp: 525

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#21

2-Butanone

Concen: 0.724 ug/L

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW017026.D

Acq: 29 Oct 2020 15:27

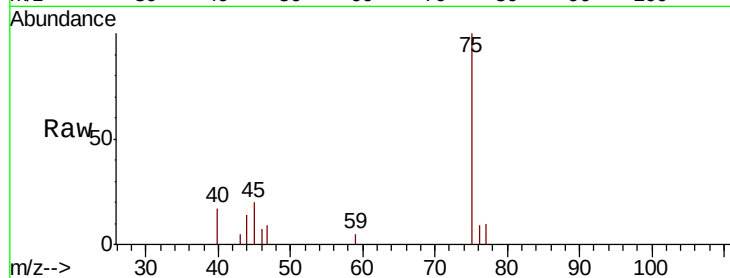
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

72 0.0 16.1 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.15

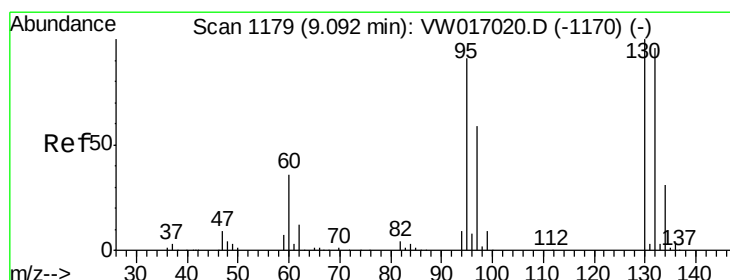
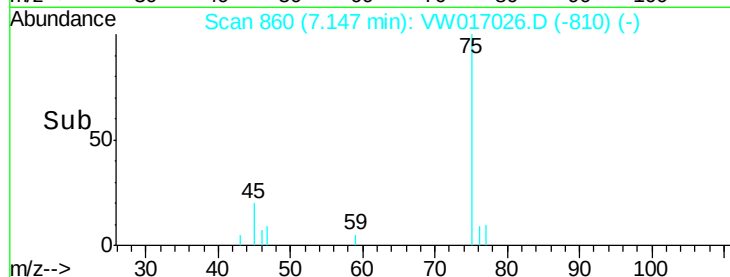
60

40

20

0

Time--> 7.13 7.14 7.15 7.16 7.17



#35

Trichloroethene

Concen: 2.432 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW017026.D

Acq: 29 Oct 2020 15:27

Tgt Ion: 95 Resp: 1005

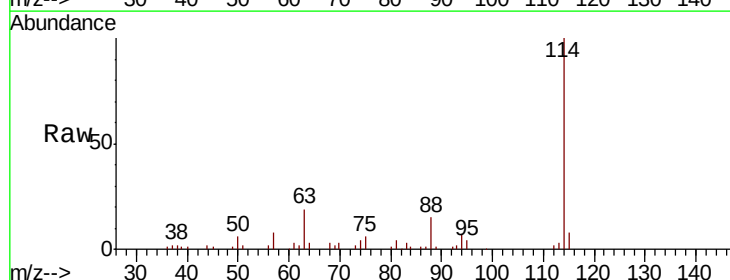
Ion Ratio Lower Upper

95 100

97 0.0 46.0 85.4#

132 0.0 73.9 137.3#

130 0.0 77.6 144.2#



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): VW

Ion 130.00 (129.70 to 130.70): VW

800

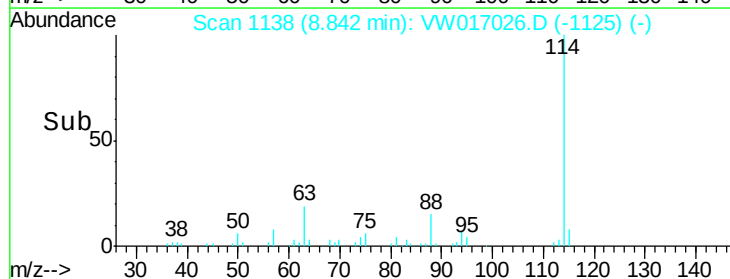
600

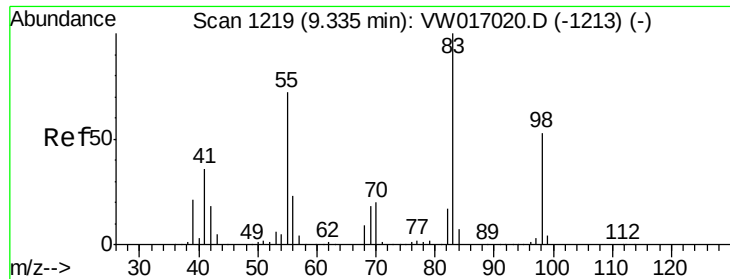
400

200

0

Time--> 8.80 8.85 8.90

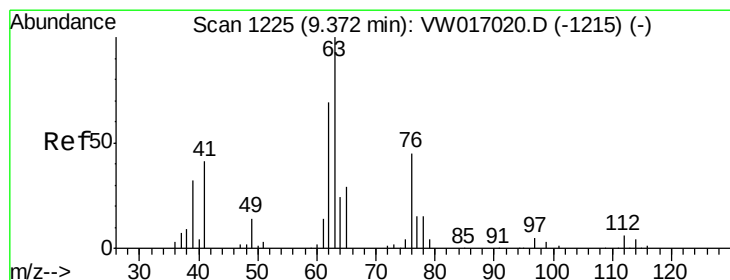
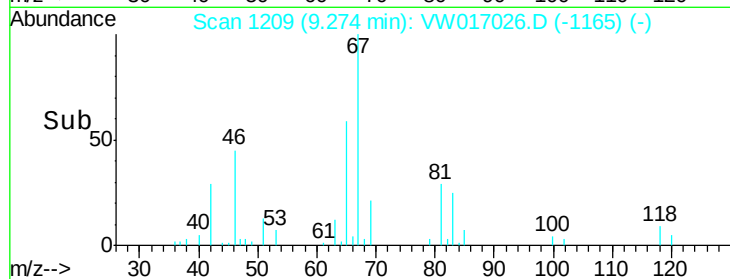
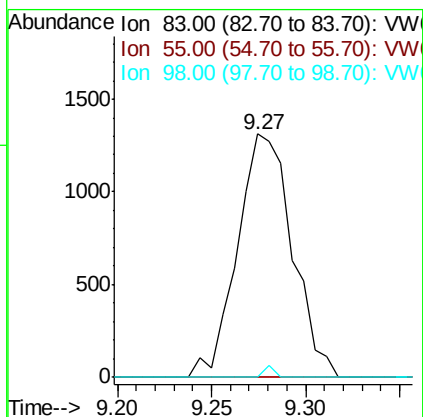
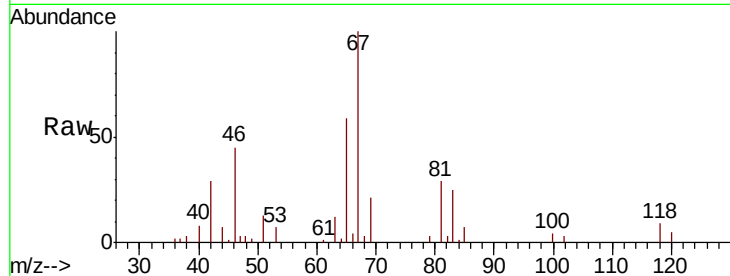




#36
Methylvlcyclohexane
Concen: 3.817 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017026.D
Acq: 29 Oct 2020 15:27

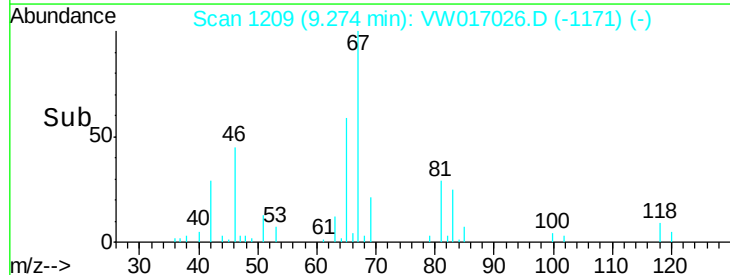
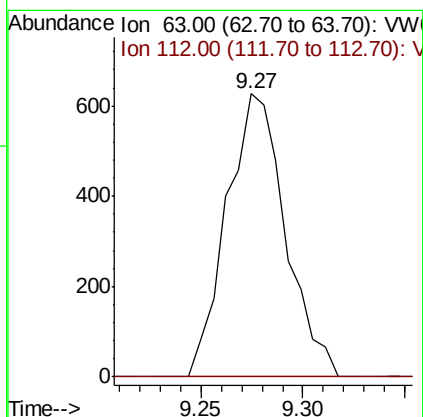
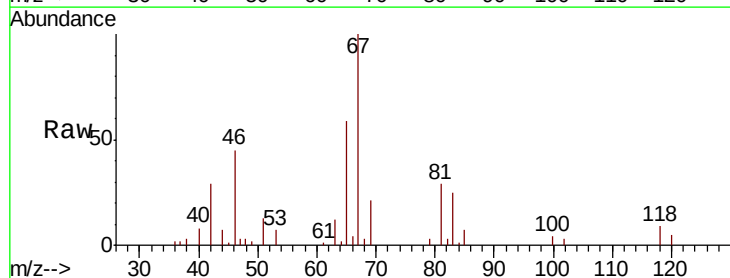
Instrument :
MSVOA_W
ClientSampleId :

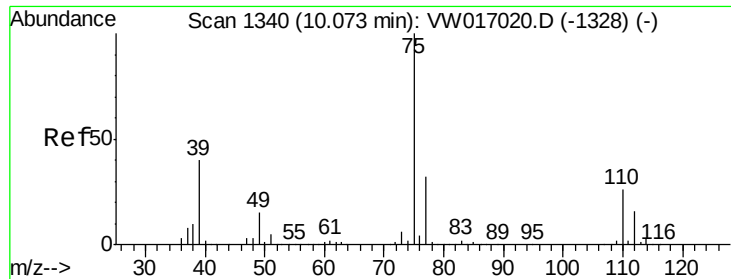
Tot Ion: 83 Resp: 2649
Ion Ratio Lower Upper
83 100
55 0.0 54.5 81.7#
98 0.0 40.8 61.2#



#40
1,2-Dichloropropane
Concen: 3.760 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW017026.D
Acq: 29 Oct 2020 15:27

Tgt Ion: 63 Resp: 1253
Ion Ratio Lower Upper
63 100
112 0.0 4.5 6.7#





#42

cis-1,3-Dichloropropene

Concen: 0.349 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017026.D

Acq: 29 Oct 2020 15:27

Instrument :

MSVOA_W

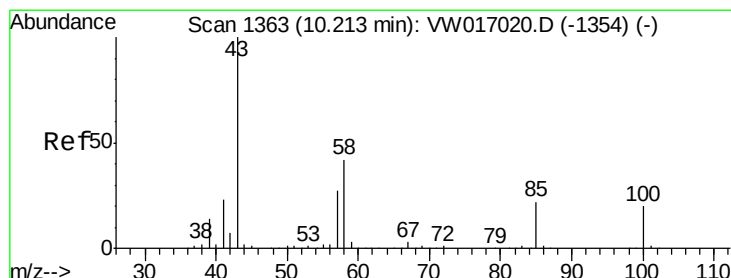
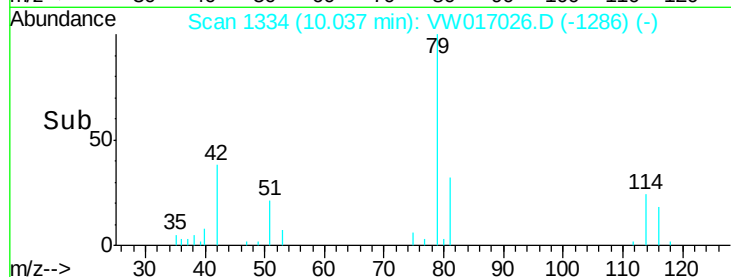
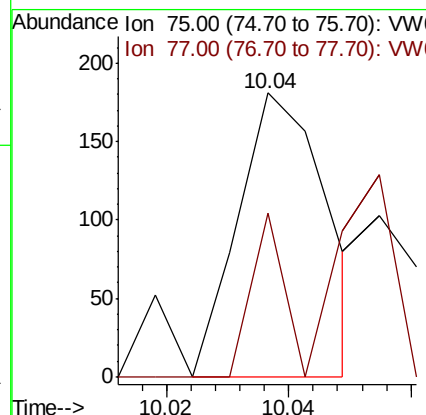
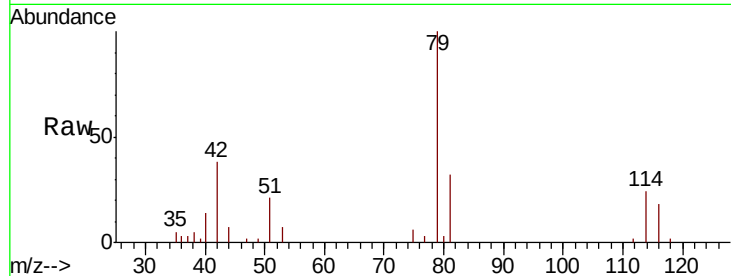
ClientSampled :

Tot Ion: 75 Resp: 182

Ion Ratio Lower Upper

75 100

77 57.5 22.7 42.1#



#43

4-Methyl-2-pentanone

Concen: 1.386 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017026.D

Acq: 29 Oct 2020 15:27

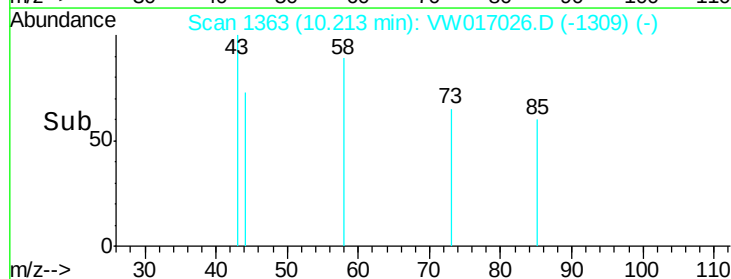
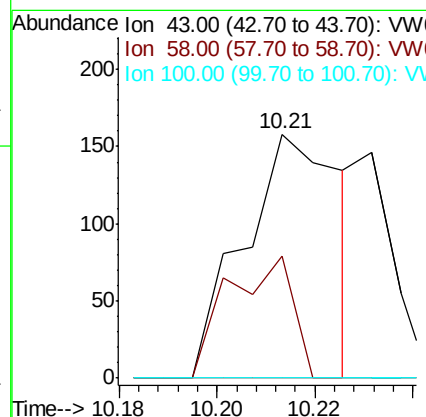
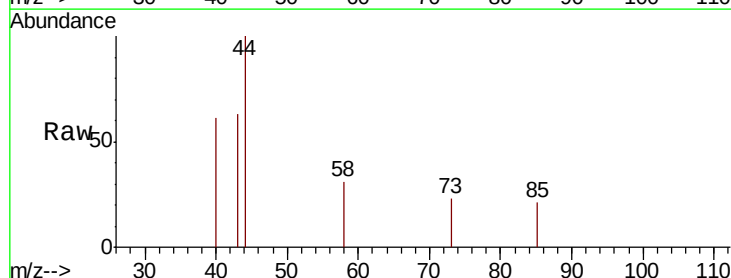
Tgt Ion: 43 Resp: 219

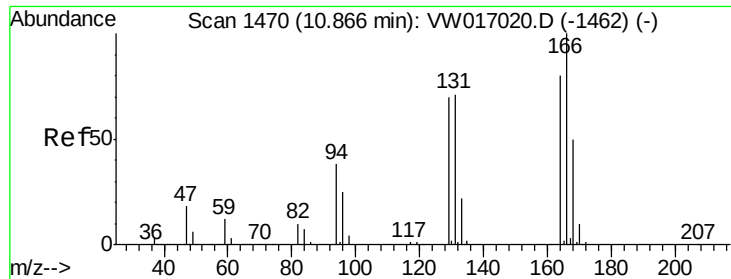
Ion Ratio Lower Upper

43 100

58 32.9 34.4 51.6#

100 0.0 16.2 24.2#

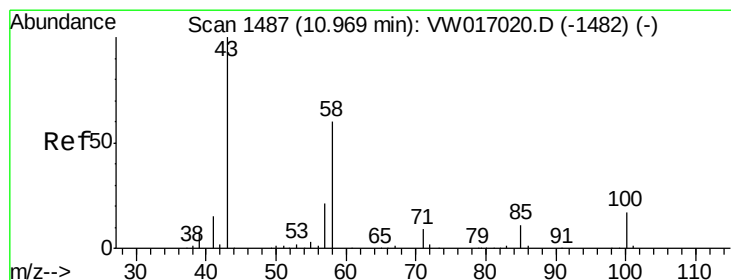
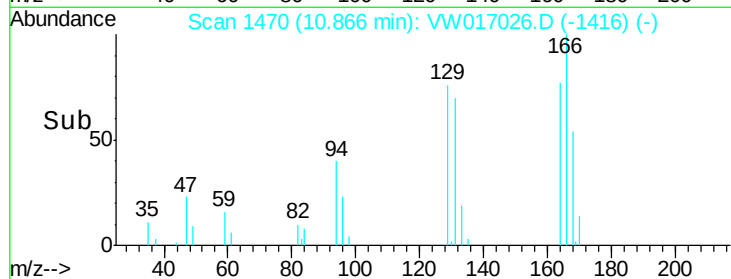
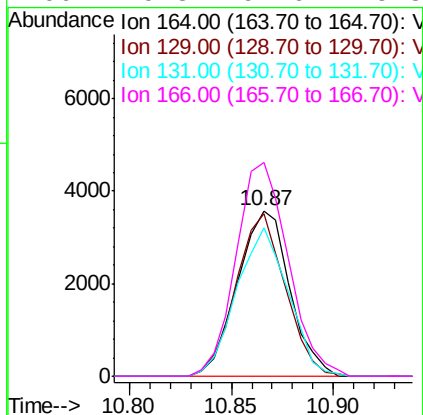
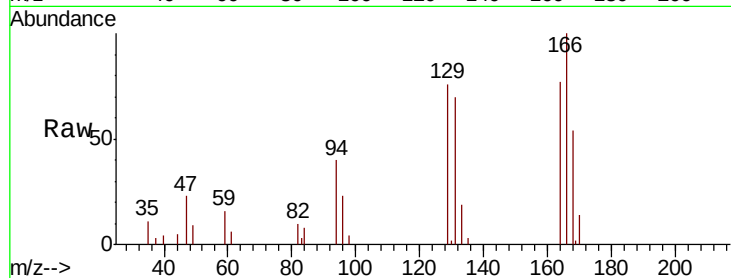




#47
Tetrachloroethene
Concen: 16.738 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW017026.D
Acq: 29 Oct 2020 15:27

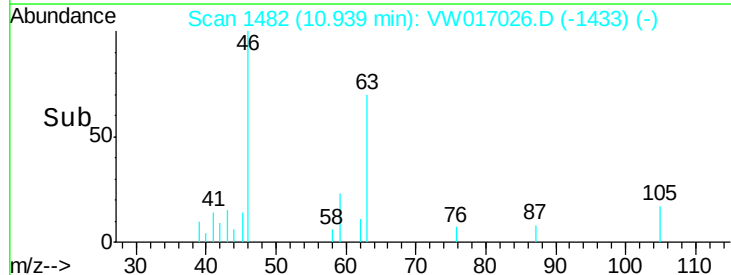
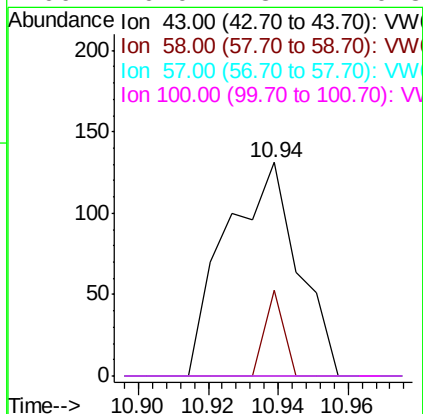
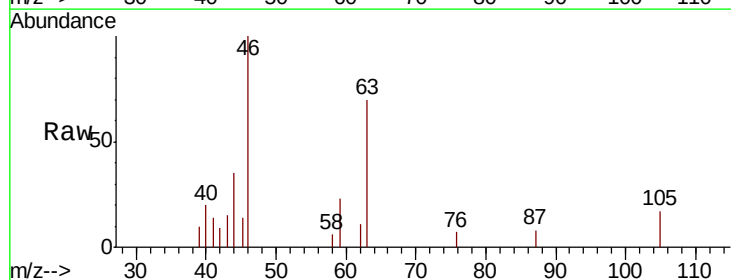
Instrument :
MSVOA_W
ClientSampleId :

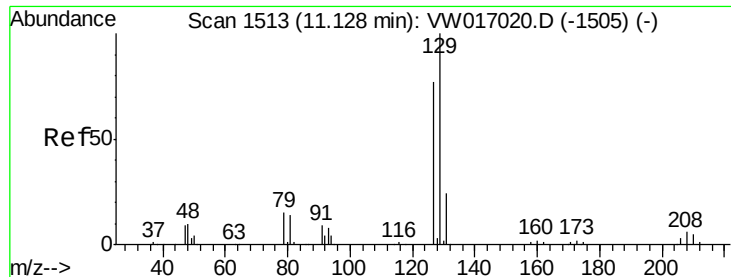
Tot Ion:164 Resp: 6363
Ion Ratio Lower Upper
164 100
129 98.4 64.0 119.0
131 90.0 61.7 114.5
166 129.3 94.6 175.8



#49
2-Hexanone
Concen: 1.857 ug/L
RT: 10.94 min Scan# 1482
Delta R.T. -0.03 min
Lab File: VW017026.D
Acq: 29 Oct 2020 15:27

Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
58 0.0 49.2 73.8#
57 0.0 17.0 25.4#
100 0.0 13.2 19.8#





#50

Dibromochloromethane

Concen: 18.196 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017026.D

Acq: 29 Oct 2020 15:27

Instrument :

MSVOA_W

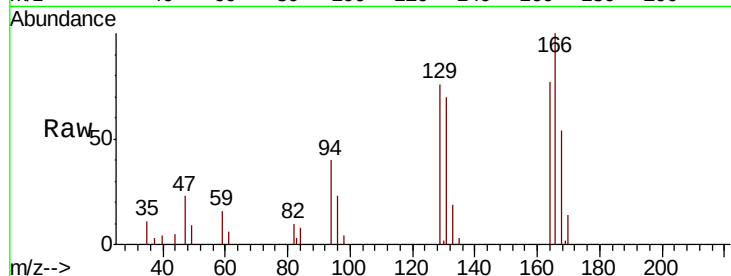
ClientSampleId :

Tot Ion:129 Resp: 5913

Ion Ratio Lower Upper

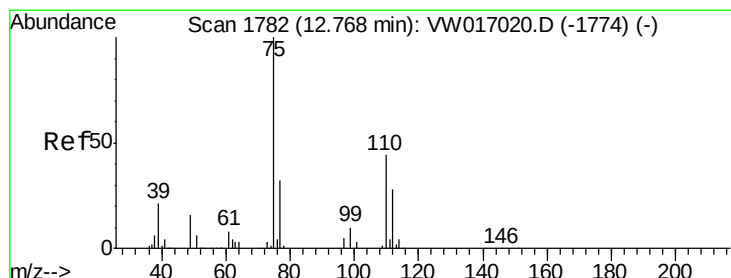
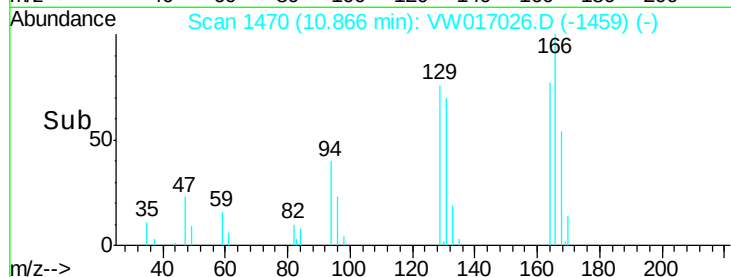
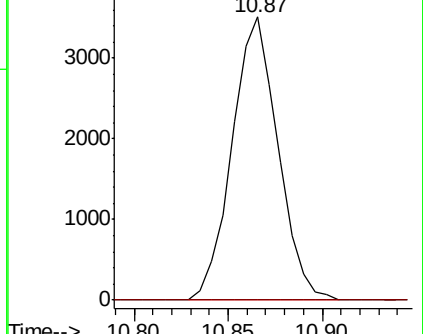
129 100

127 0.0 55.4 102.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 2.875 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017026.D

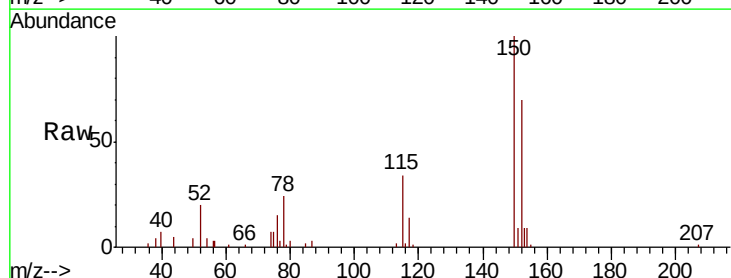
Acq: 29 Oct 2020 15:27

Tgt Ion: 75 Resp: 589

Ion Ratio Lower Upper

75 100

77 34.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

