

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017539.D
 Acq On : 03 Dec 2020 17:33
 Operator : SY/VA
 Sample : L4920-16
 Misc : 4.52G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 00:35:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 00:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	399173	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	332886	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	138524	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90380	17.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.84%
7) Chloroethane-d5	2.89	69	80380	18.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.56%
10) 1,1-Dichloroethene-d2	4.03	63	153522	13.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	52.52%
20) 2-Butanone-d5	7.09	46	62498	56.44	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.88%
24) Chloroform-d	7.65	84	241455	21.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.16%
26) 1,2-Dichloroethane-d4	8.31	65	130675	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.96%
29) Benzene-d6	8.27	84	464099	22.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.68%
33) 1,2-Dichloropropane-d6	9.27	67	138440	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.32	98	402960	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.48%
38) trans-1,3-Dichloropropene-	10.58	79	53896	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.16%
39) 2-Hexanone-d5	10.93	63	39098	55.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	103753	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	112672	21.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.88%

Target Compounds

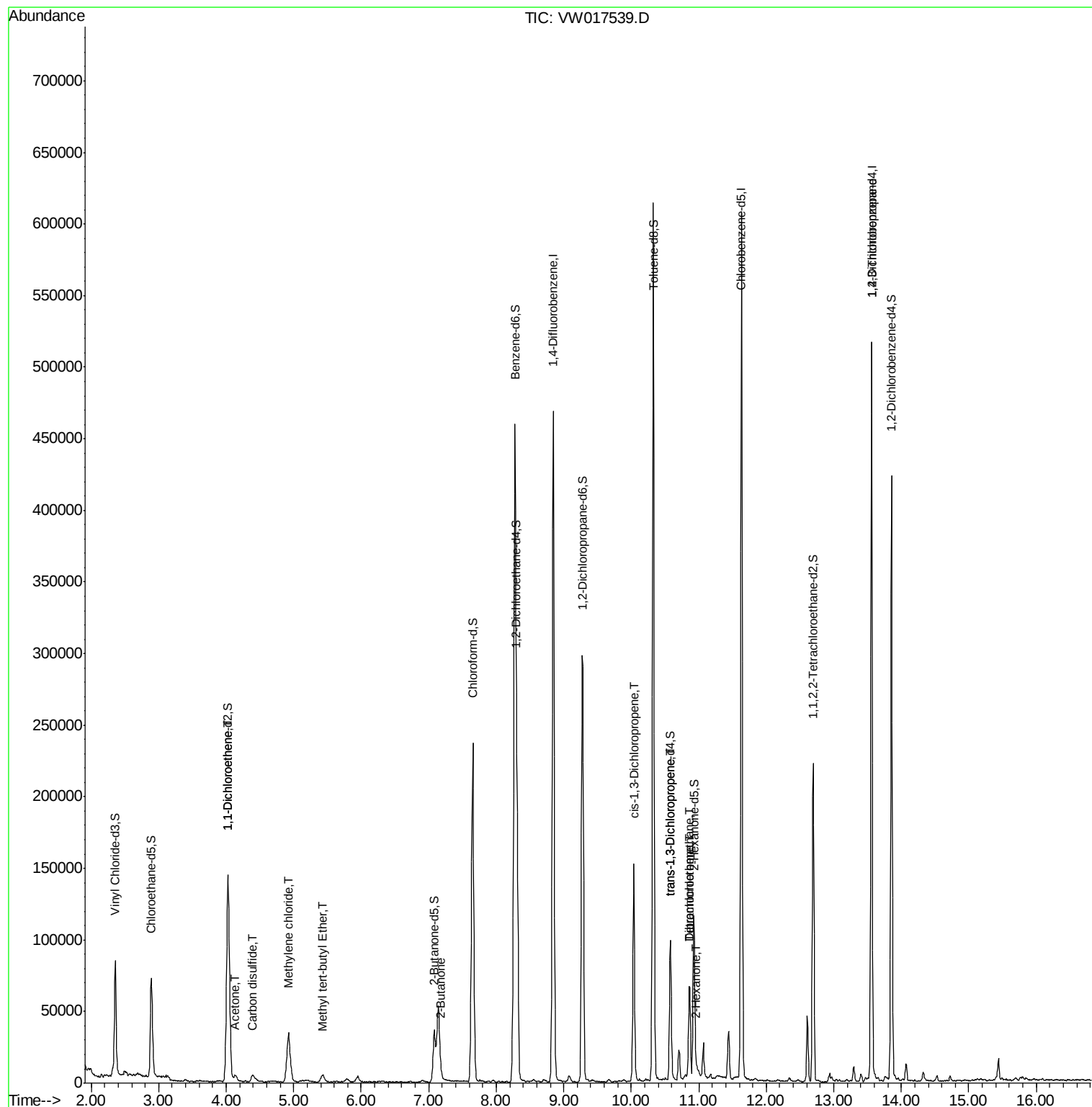
					Ovalue
12) 1,1-Dichloroethene	4.02	96	1551	0.280 ug/L #	1
13) Acetone	4.14	43	8816	8.274 ug/L	78
14) Carbon disulfide	4.40	76	8916	0.563 ug/L #	93
16) Methylene chloride	4.92	84	28880	4.819 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	3789	0.636 ug/L #	63
21) 2-Butanone	7.18	43	1534	1.203 ug/L	81
42) cis-1,3-Dichloropropene	10.04	75	4197	0.577 ug/L #	69
45) trans-1,3-Dichloropropene	10.57	75	2653	0.425 ug/L	85
47) Tetrachloroethene	10.87	164	15096	3.194 ug/L	93
49) 2-Hexanone	10.97	43	1237	0.810 ug/L #	60
50) Dibromochloromethane	10.87	129	13990	3.181 ug/L #	11
59) 1,2,3-Trichloropropane	13.56	75	15259	5.455 ug/L	91

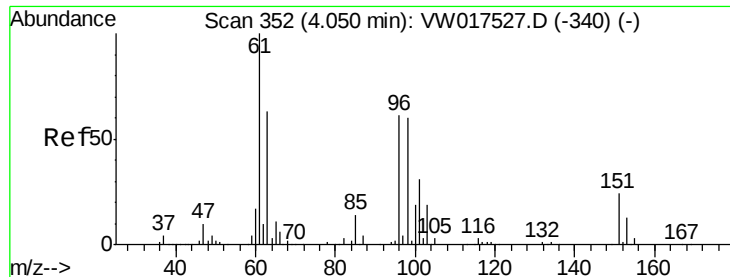
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sun Dec 20 00:31:51 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.280 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.03 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

ClientSampleId :

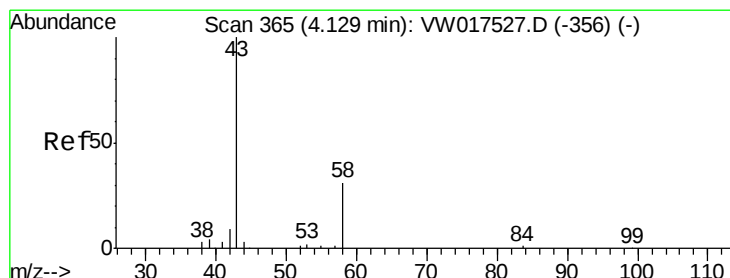
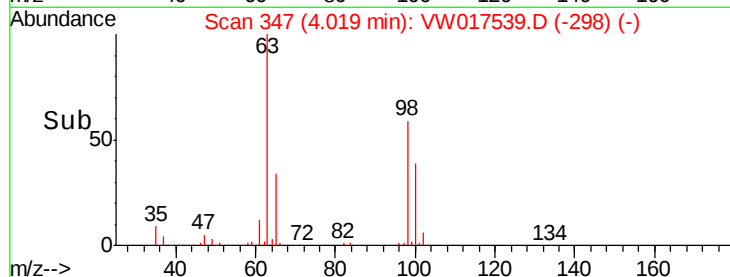
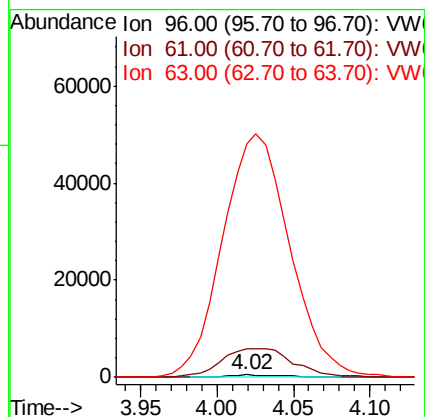
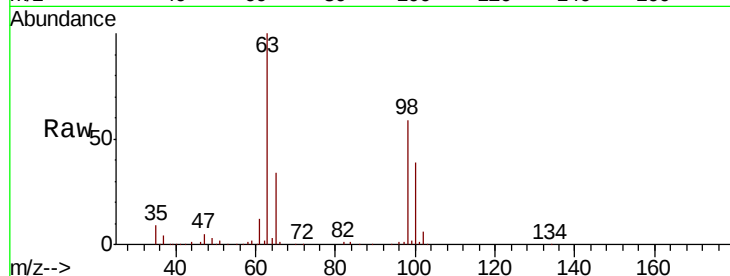
Tot Ion: 96 Resp: 1551

Ion Ratio Lower Upper

96 100

61 1181.0 112.5 208.9#

63 9749.0 83.1 154.3#



#13

Acetone

Concen: 8.274 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017539.D

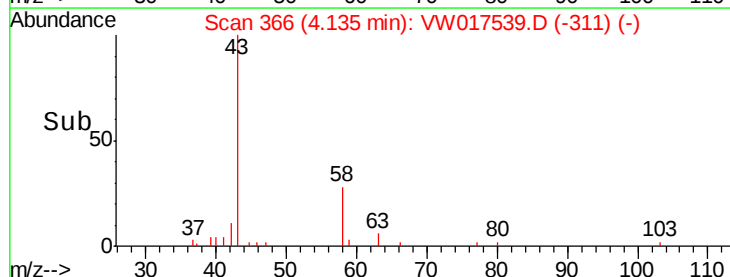
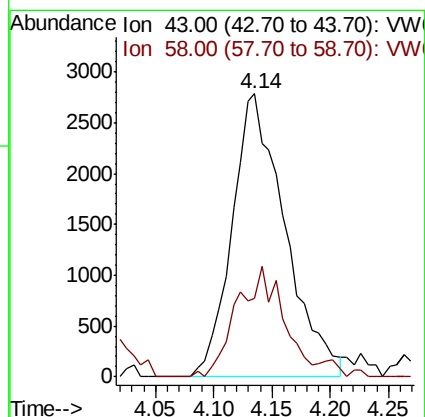
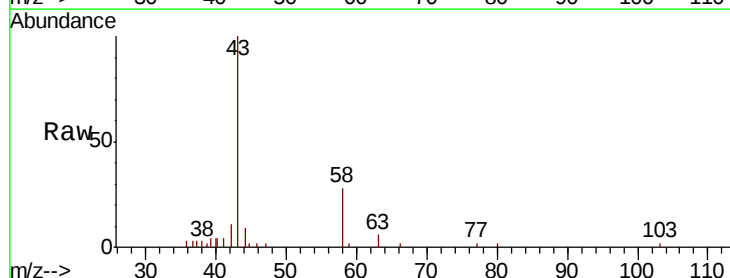
Acq: 03 Dec 2020 17:33

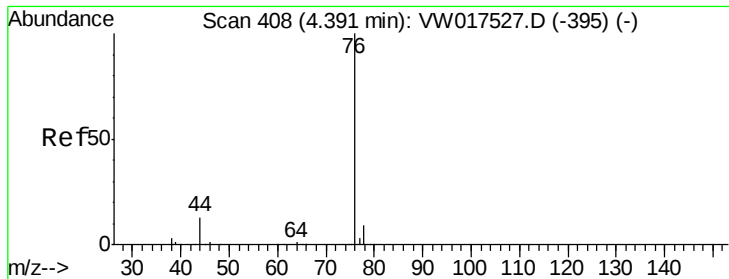
Tgt Ion: 43 Resp: 8816

Ion Ratio Lower Upper

43 100

58 21.3 0.0 68.4





#14

Carbon disulfide

Concen: 0.563 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

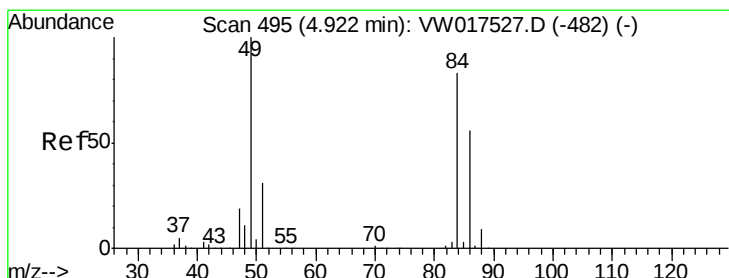
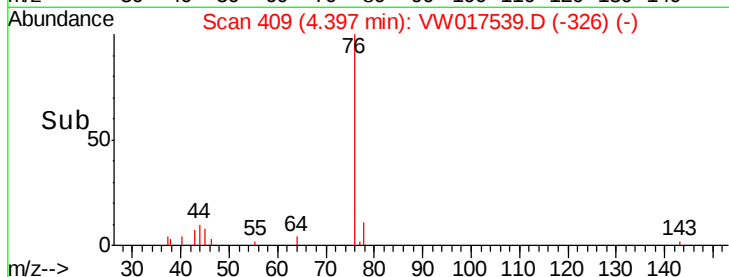
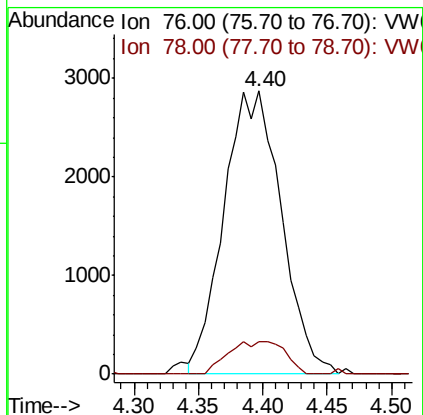
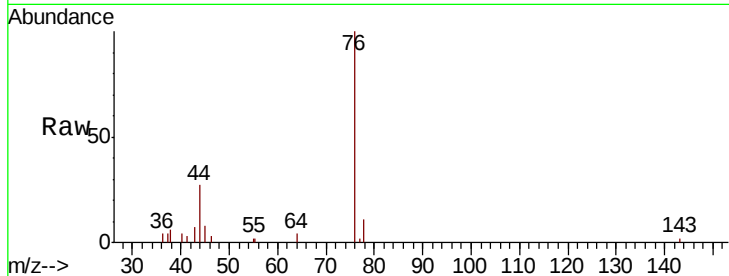
ClientSampleId :

Tot Ion: 76 Resp: 8916

Ion Ratio Lower Upper

76 100

78 11.3 7.0 10.4#



#16

Methylene chloride

Concen: 4.819 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

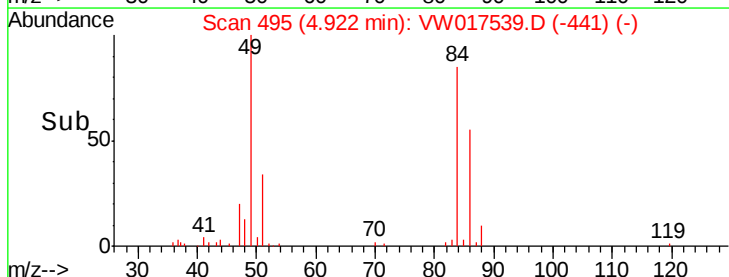
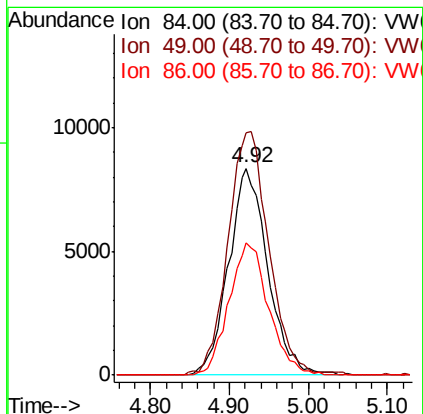
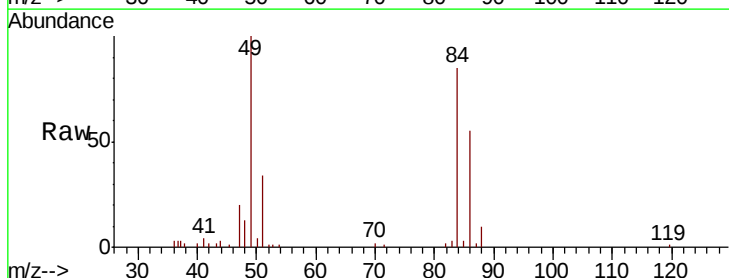
Tgt Ion: 84 Resp: 28880

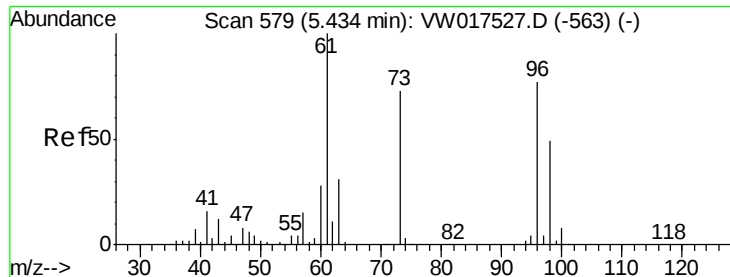
Ion Ratio Lower Upper

84 100

49 117.0 81.2 150.8

86 63.9 44.5 82.7

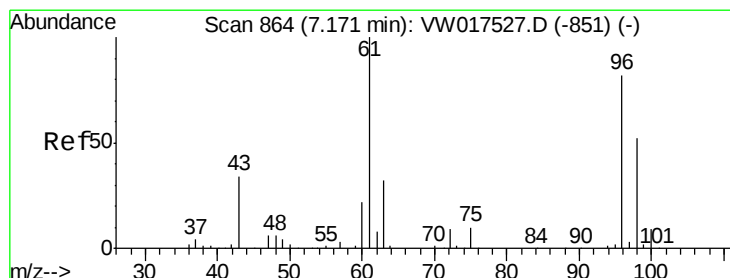
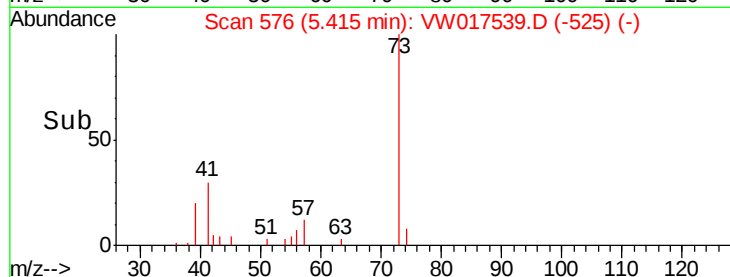
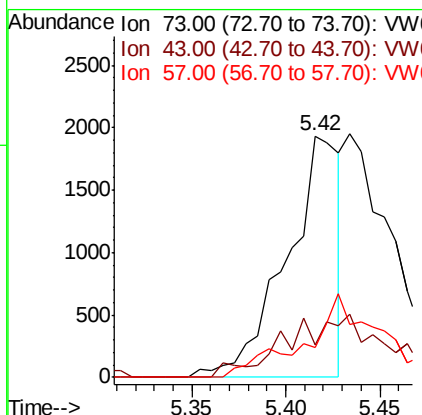
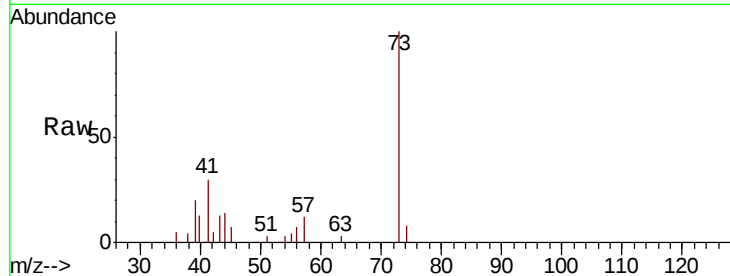




#17
Methvl tert-butvl Ether
Concen: 0.636 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.02 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

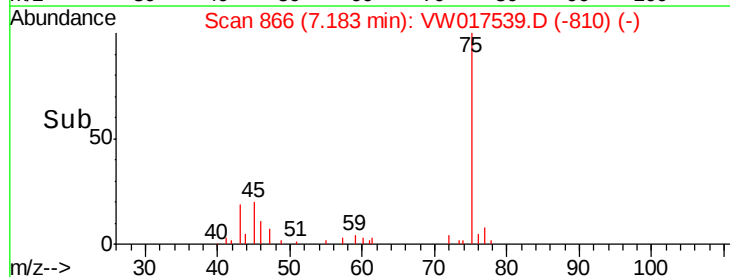
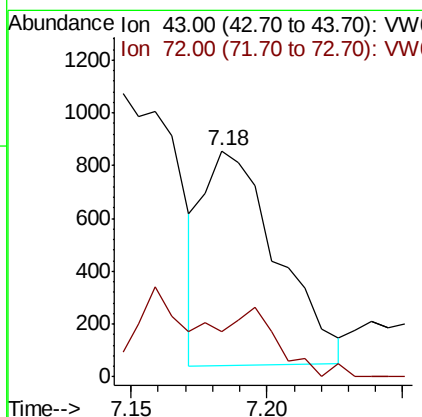
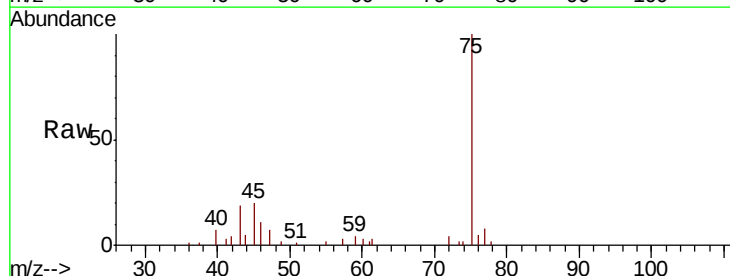
Instrument :
MSVOA_W
ClientSampled :

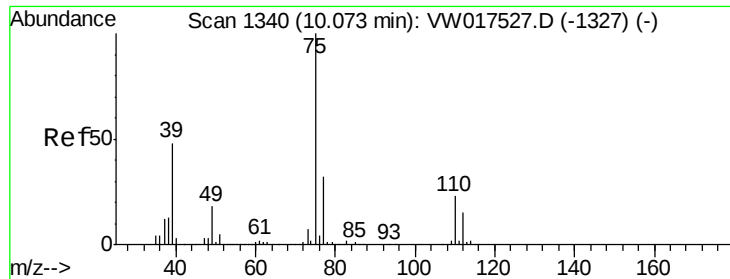
Tot Ion: 73 Resp: 3789
Ion Ratio Lower Upper
73 100
43 7.1 16.2 24.4#
57 0.0 17.2 25.8#



#21
2-Butanone
Concen: 1.203 ug/L
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

Tgt Ion: 43 Resp: 1534
Ion Ratio Lower Upper
43 100
72 18.6 14.4 43.2





#42

cis-1,3-Dichloropropene

Concen: 0.577 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

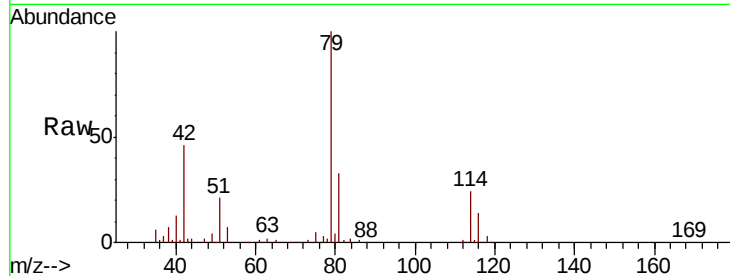
ClientSampleId :

Tot Ion: 75 Resp: 4197

Ion Ratio Lower Upper

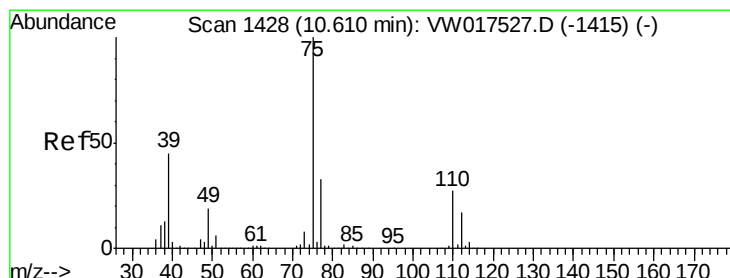
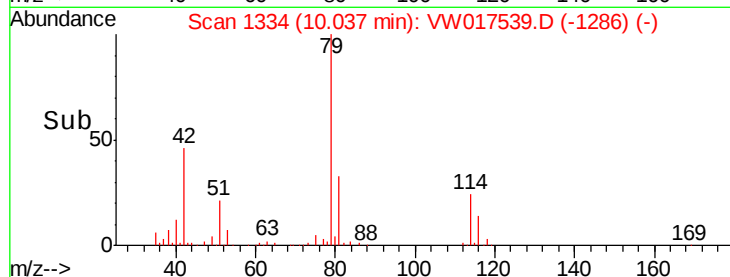
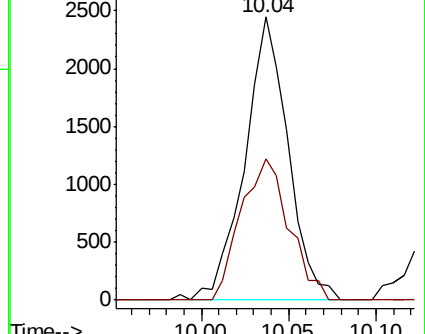
75 100

77 50.0 22.7 42.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.425 ug/L

RT: 10.57 min Scan# 1422

Delta R.T. -0.04 min

Lab File: VW017539.D

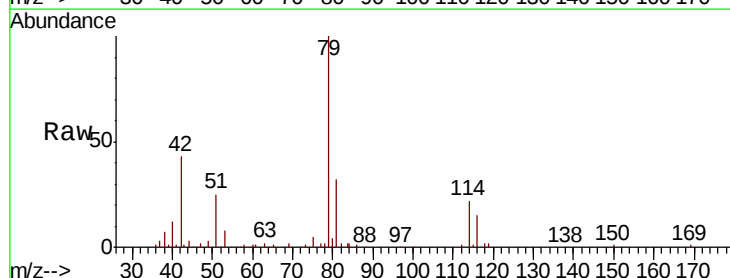
Acq: 03 Dec 2020 17:33

Tgt Ion: 75 Resp: 2653

Ion Ratio Lower Upper

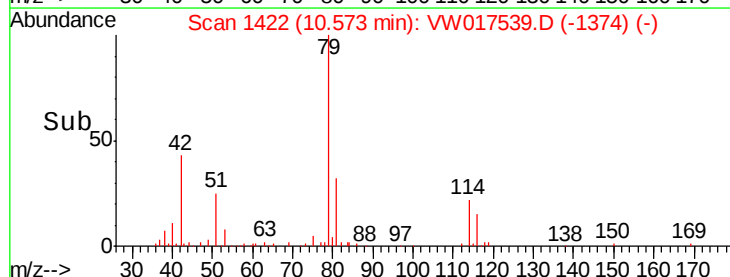
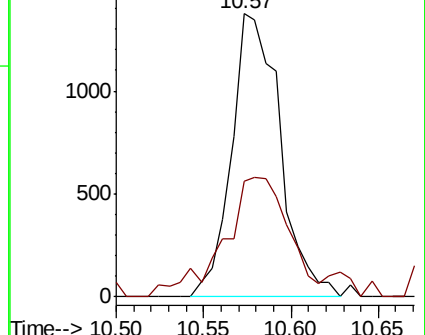
75 100

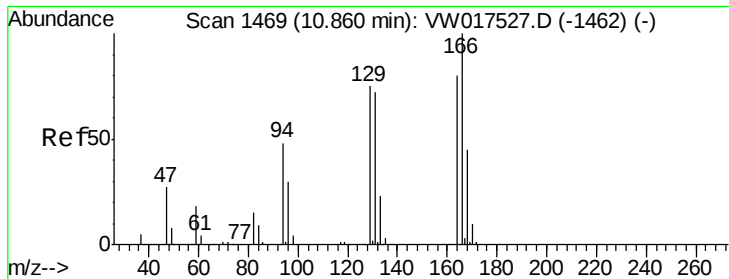
77 40.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

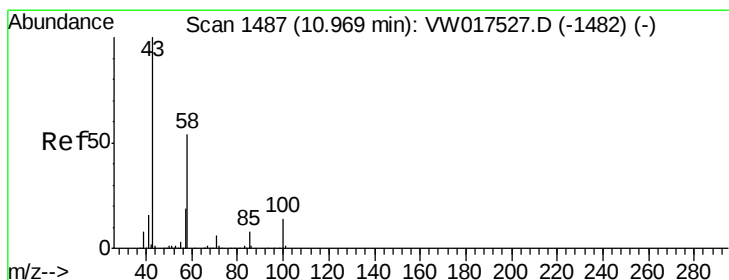
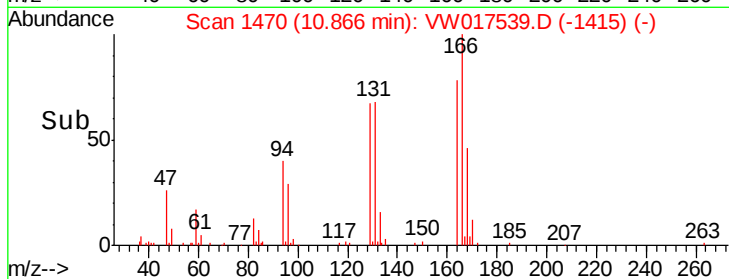
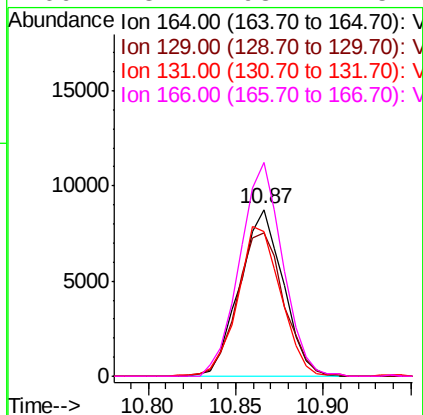
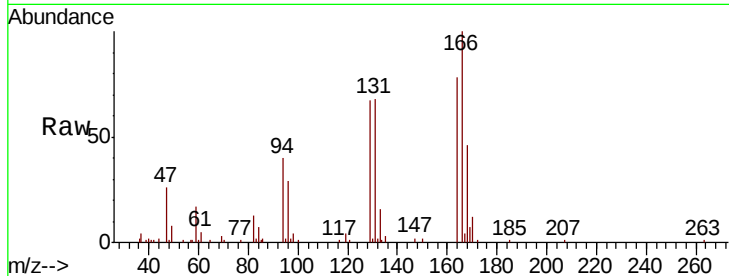




#47
Tetrachloroethene
Concen: 3.194 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

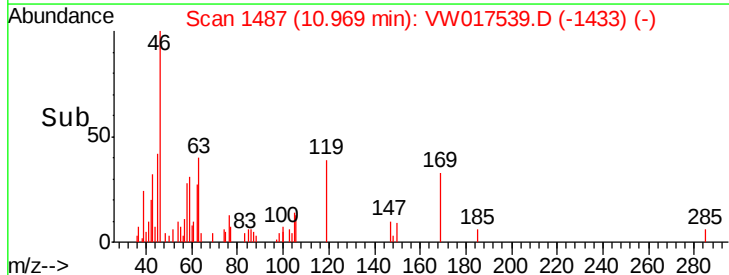
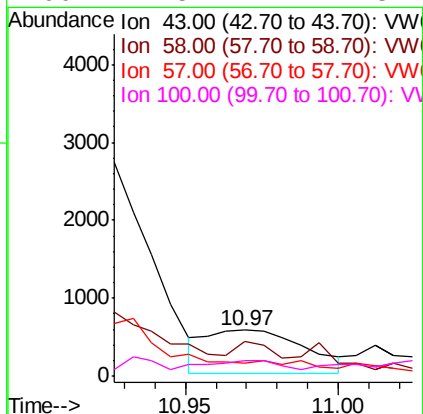
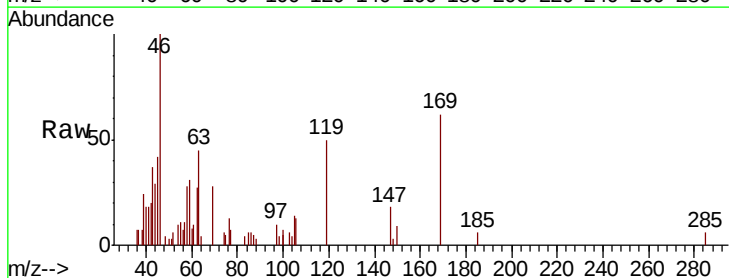
Instrument :
MSVOA_W
ClientSampleId :

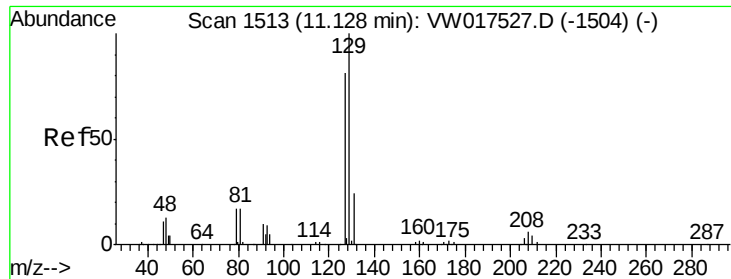
Tot Ion:	164	Resp:	15096
Ion	Ratio	Lower	Upper
164	100		
129	86.4	67.6	125.6
131	86.9	65.2	121.2
166	128.2	93.2	173.2



#49
2-Hexanone
Concen: 0.810 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017539.D
Acq: 03 Dec 2020 17:33

Tgt Ion:	43	Resp:	1237
Ion	Ratio	Lower	Upper
43	100		
58	29.0	51.3	76.9#
57	0.0	15.0	22.6#
100	22.5	12.2	18.2#





#50

Dibromochloromethane

Concen: 3.181 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.26 min

Lab File: VW017539.D

Acq: 03 Dec 2020 17:33

Instrument :

MSVOA_W

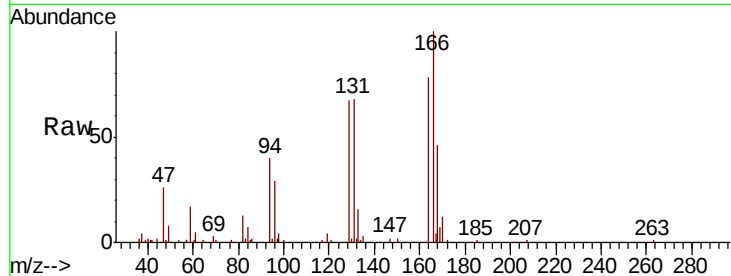
ClientSampleId :

Tot Ion:129 Resp: 13990

Ion Ratio Lower Upper

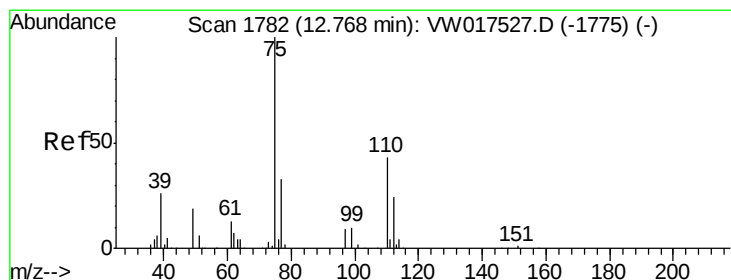
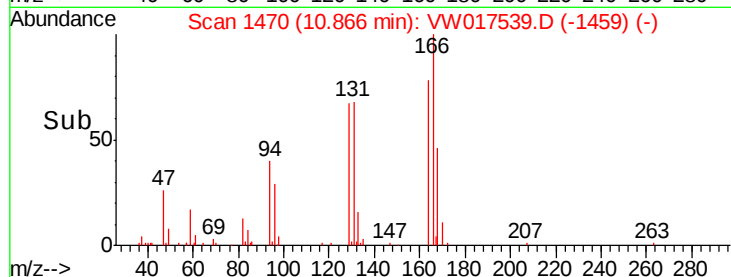
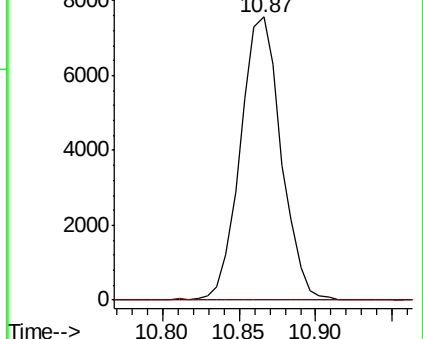
129 100

127 0.0 53.2 98.8#



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: 5.455 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017539.D

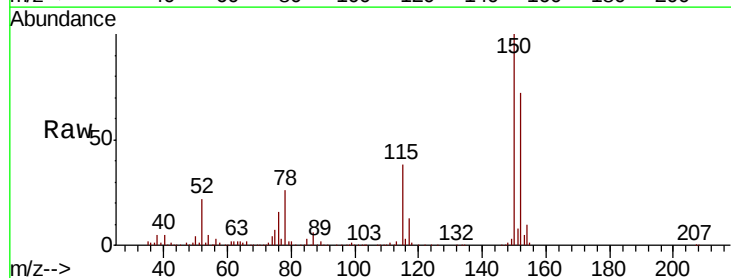
Acq: 03 Dec 2020 17:33

Tgt Ion: 75 Resp: 15259

Ion Ratio Lower Upper

75 100

77 38.4 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

