

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017746.D
 Acq On : 24 Dec 2020 19:09
 Operator : SY/VA
 Sample : L5173-11
 Misc : 5.33G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 07:50:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 25 07:46:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	374684	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	311196	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	120391	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111746	19.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.08%
7) Chloroethane-d5	2.89	69	95420	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
10) 1,1-Dichloroethene-d2	4.02	63	146023	14.46	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.84%
20) 2-Butanone-d5	7.08	46	42182	44.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.78%
24) Chloroform-d	7.65	84	200167	20.44	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.76%
26) 1,2-Dichloroethane-d4	8.31	65	111945	22.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.36%
29) Benzene-d6	8.27	84	389609	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	113556	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.00%
37) Toluene-d8	10.32	98	359042	21.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.32%
38) trans-1,3-Dichloropropene-	10.58	79	44262	20.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.20%
39) 2-Hexanone-d5	10.93	63	29710	48.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79476	22.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	88799	21.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.72%

Target Compounds

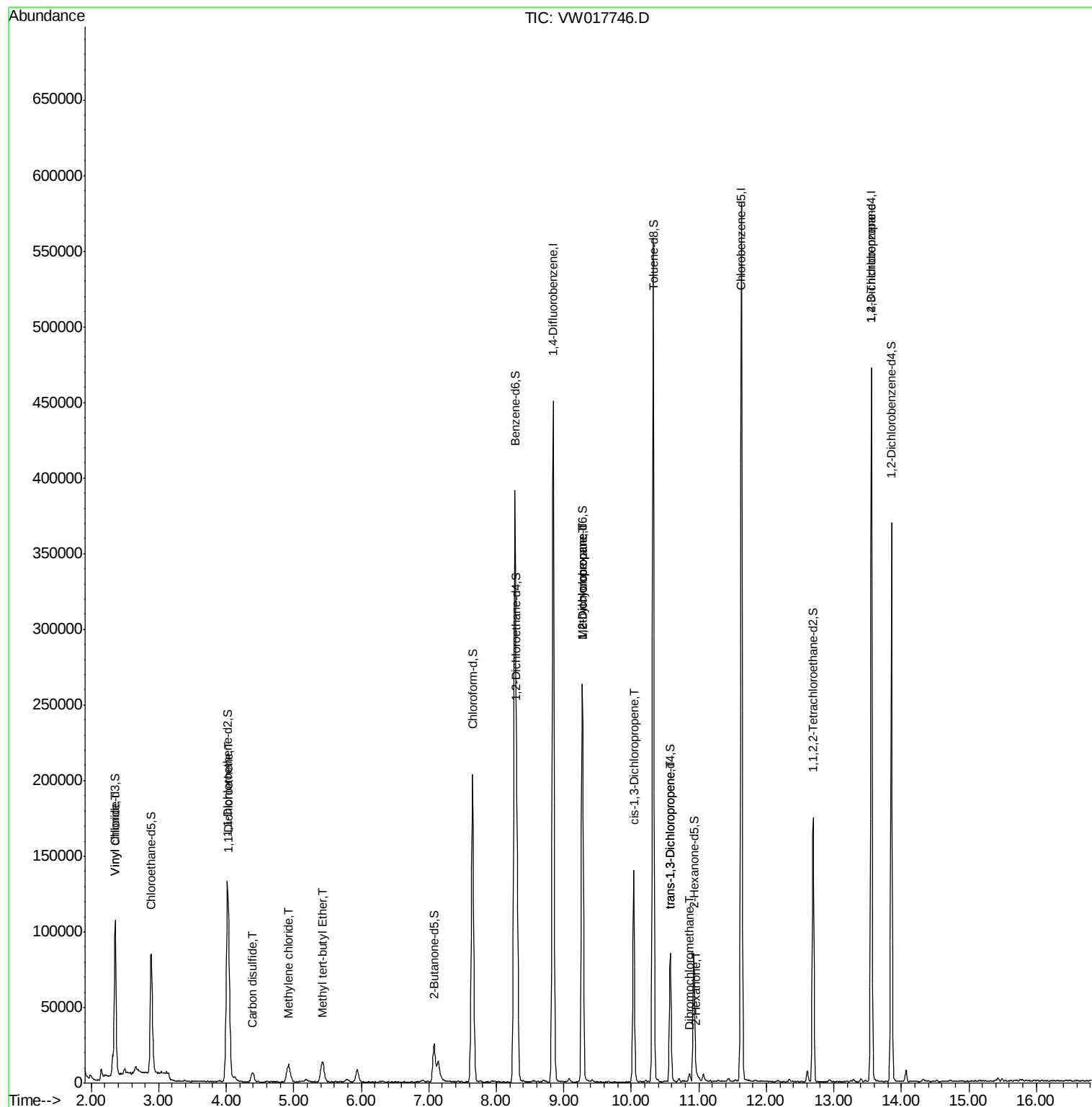
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	1912	0.307	ug/L #	1
12) 1,1-Dichloroethene	4.04	96	1273	0.276	ug/L #	1
14) Carbon disulfide	4.38	76	13132	0.952	ug/L	96
16) Methylene chloride	4.92	84	9458	1.765	ug/L	81
17) Methyl tert-butyl Ether	5.42	73	14975	2.559	ug/L	97
36) Methylcyclohexane	9.27	83	28976	3.365	ug/L #	21
40) 1,2-Dichloropropane	9.27	63	13832	3.293	ug/L #	86
42) cis-1,3-Dichloropropene	10.04	75	4286	0.639	ug/L #	75
45) trans-1,3-Dichloropropene	10.59	75	2605	0.456	ug/L	85
49) 2-Hexanone	10.97	43	1709	1.180	ug/L #	58
50) Dibromochloromethane	10.86	129	936	0.253	ug/L #	9
59) 1,2,3-Trichloropropane	13.55	75	17261	6.738	ug/L	95

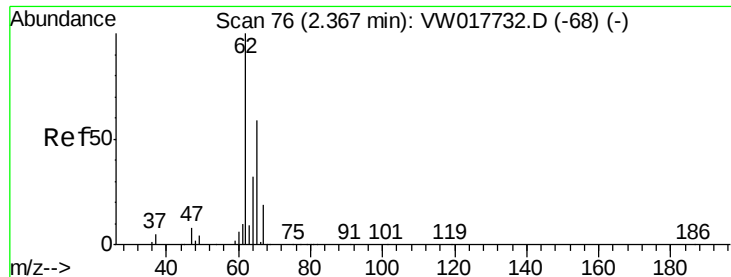
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 25 07:46:43 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.307 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017746.D

Acq: 24 Dec 2020 19:09

Instrument :

MSVOA_W

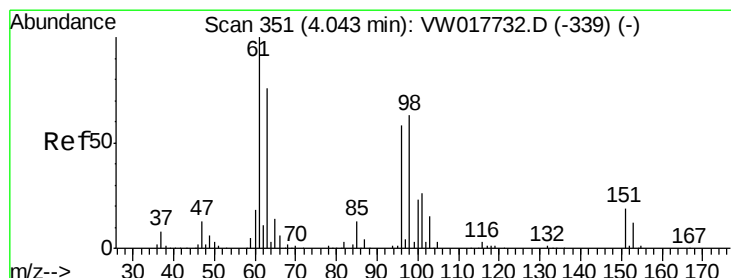
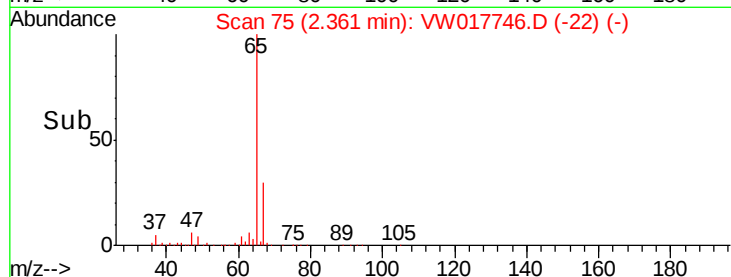
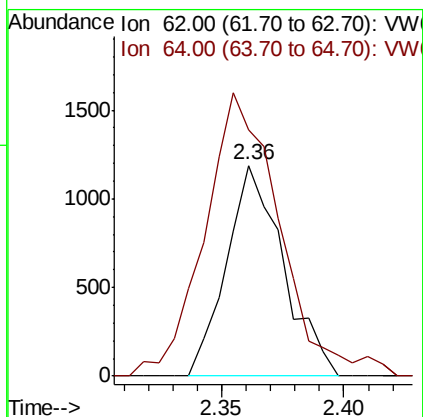
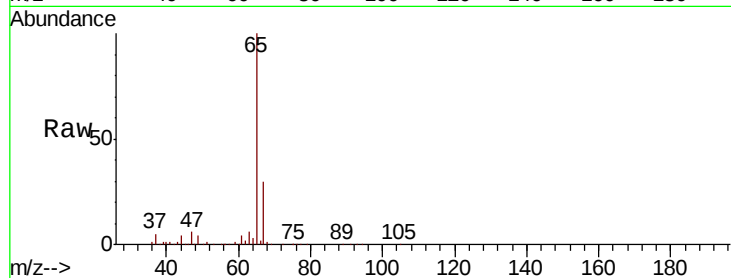
ClientSampleId :

Tot Ion: 62 Resp: 1912

Ion Ratio Lower Upper

62 100

64 117.1 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 0.276 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017746.D

Acq: 24 Dec 2020 19:09

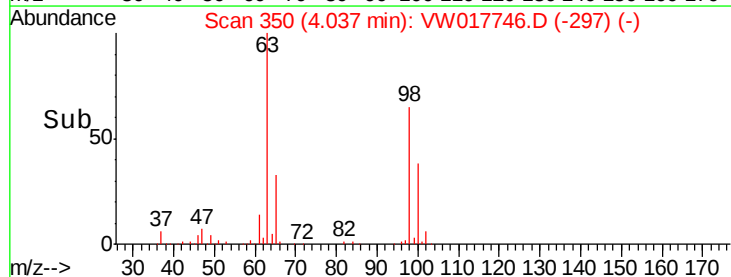
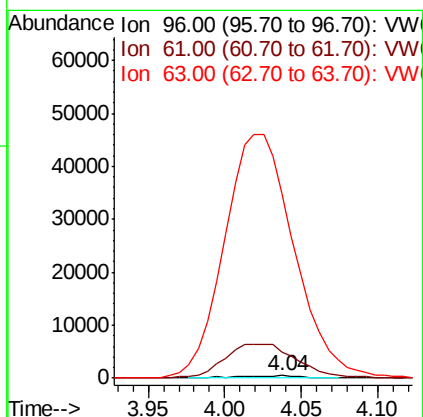
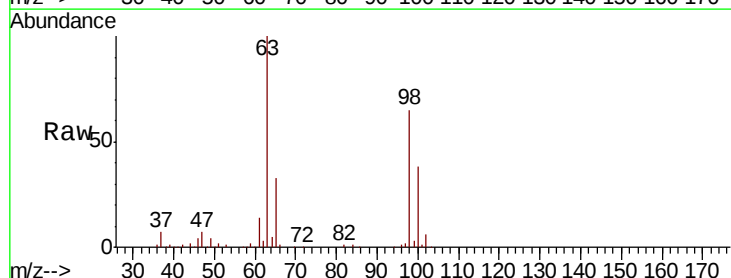
Tgt Ion: 96 Resp: 1273

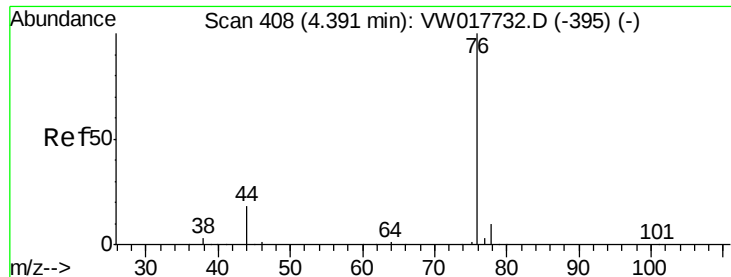
Ion Ratio Lower Upper

96 100

61 1066.9 126.1 234.1#

63 7752.9 90.0 167.2#





#14

Carbon disulfide

Concen: 0.952 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017746.D

Acq: 24 Dec 2020 19:09

Instrument :

MSVOA_W

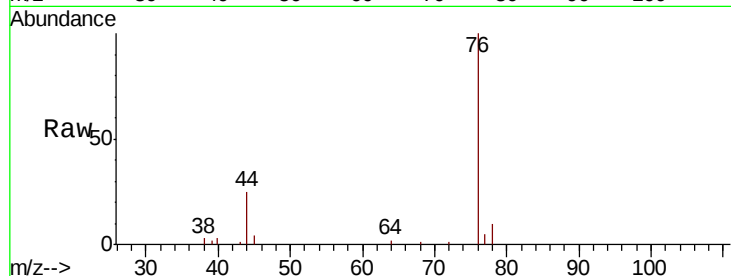
ClientSampleId :

Tot Ion: 76 Resp: 13132

Ion Ratio Lower Upper

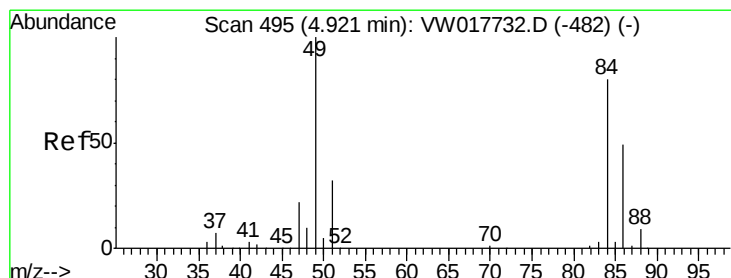
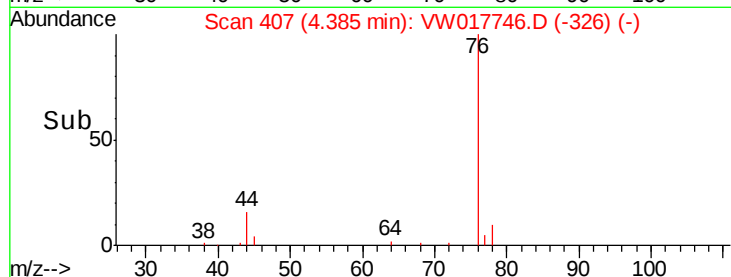
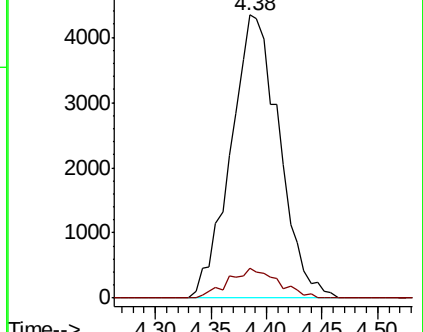
76 100

78 10.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 1.765 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017746.D

Acq: 24 Dec 2020 19:09

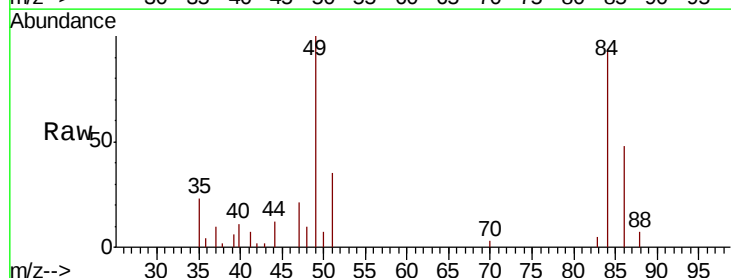
Tgt Ion: 84 Resp: 9458

Ion Ratio Lower Upper

84 100

49 106.1 90.5 168.1

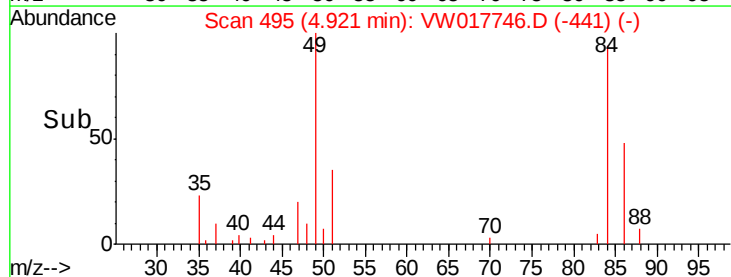
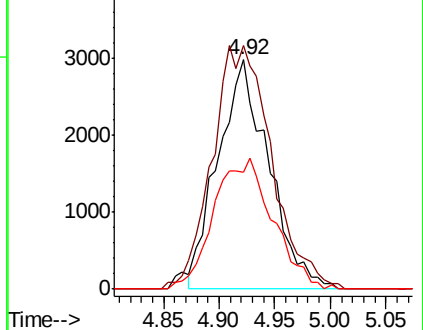
86 51.1 44.8 83.2

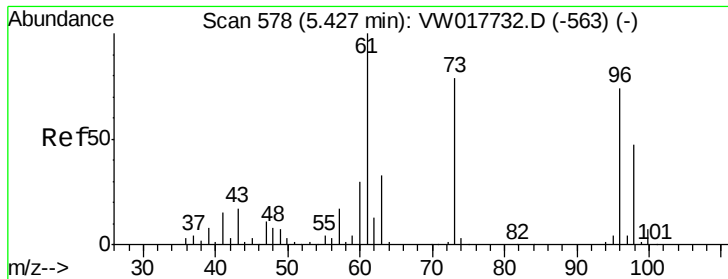


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

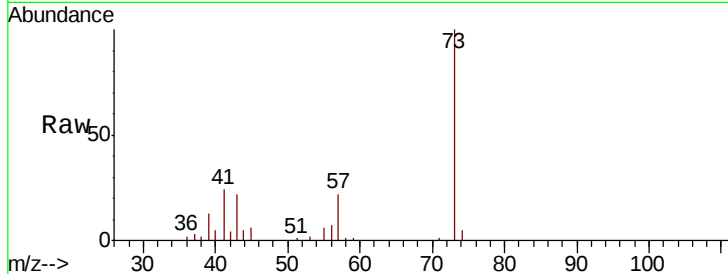




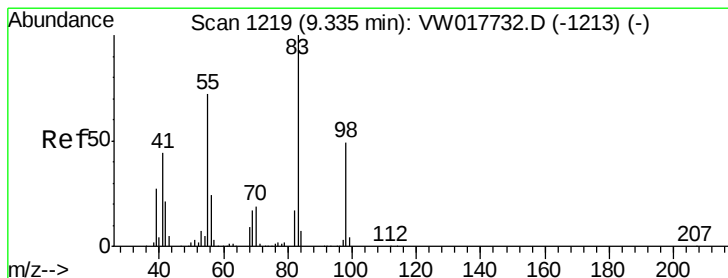
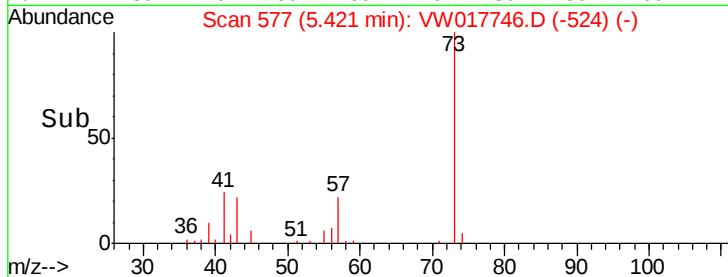
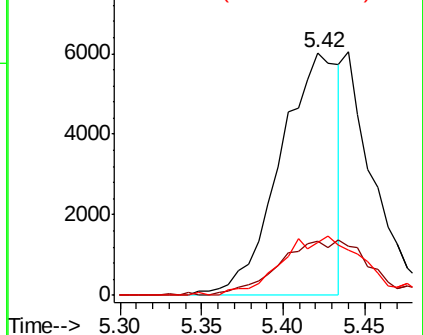
#17
Methyl tert-butyl Ether
Concen: 2.559 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017746.D
Acq: 24 Dec 2020 19:09

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 14975
Ion Ratio Lower Upper
73 100
43 20.1 17.1 25.7
57 19.5 16.6 25.0

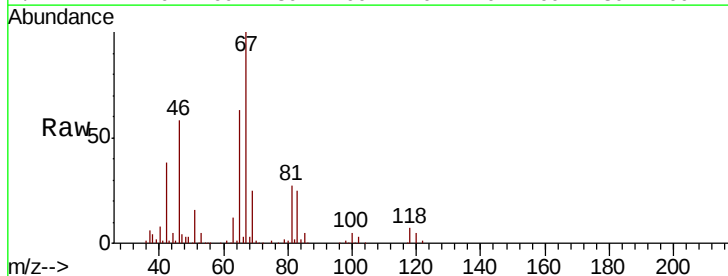


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

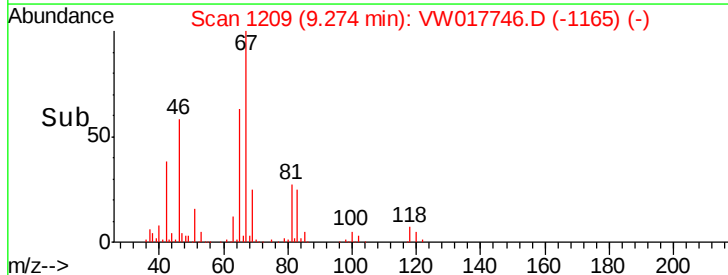
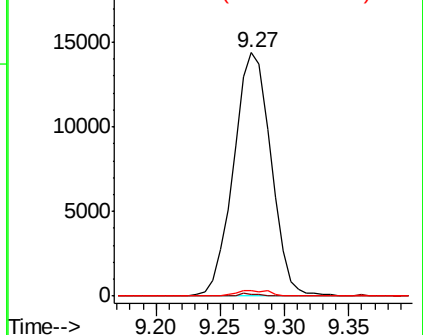


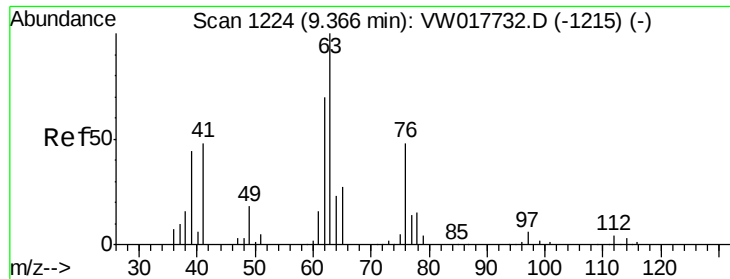
#36
Methylcyclohexane
Concen: 3.365 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017746.D
Acq: 24 Dec 2020 19:09

Tgt Ion: 83 Resp: 28976
Ion Ratio Lower Upper
83 100
55 0.4 57.6 86.4#
98 1.5 39.7 59.5#



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

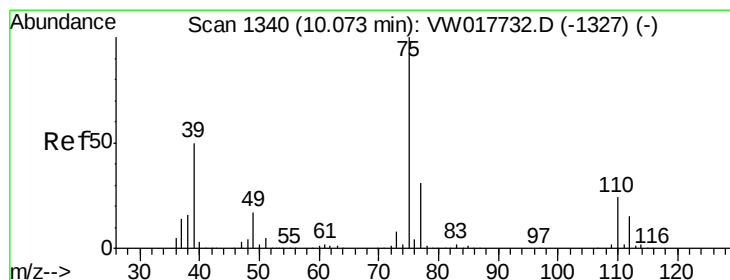
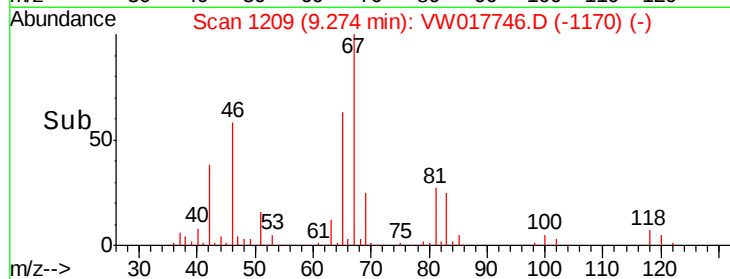
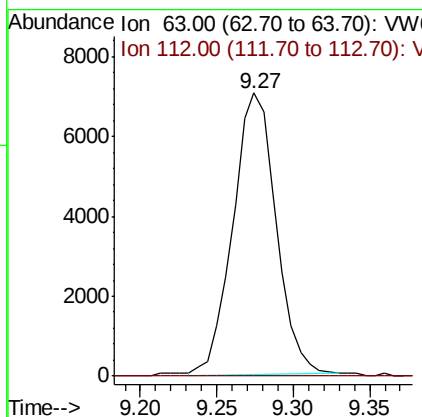
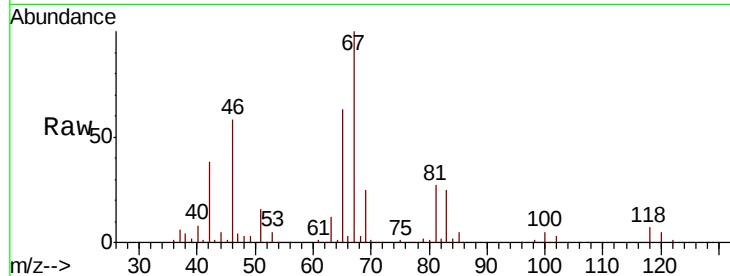




#40
 1,2-Dichloropropane
 Concen: 3.293 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.09 min
 Lab File: VW017746.D
 Acq: 24 Dec 2020 19:09

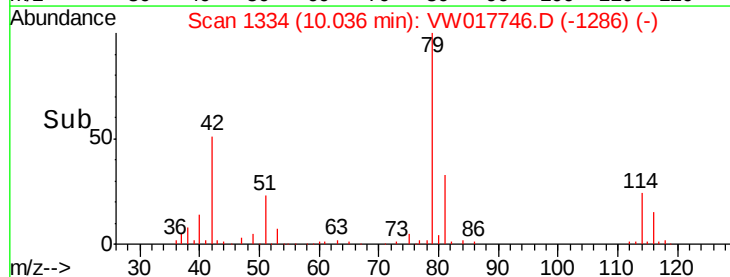
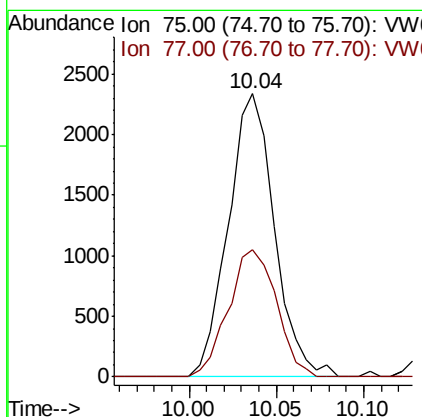
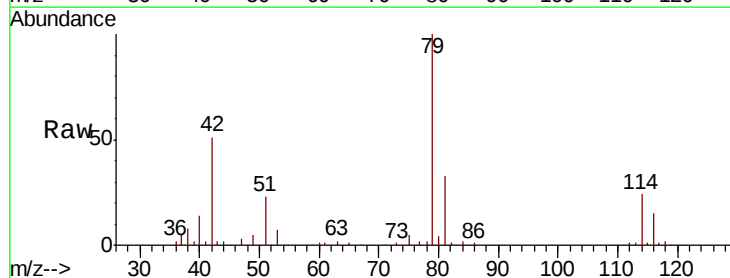
Instrument :
 MSVOA_W
 ClientSampleId :

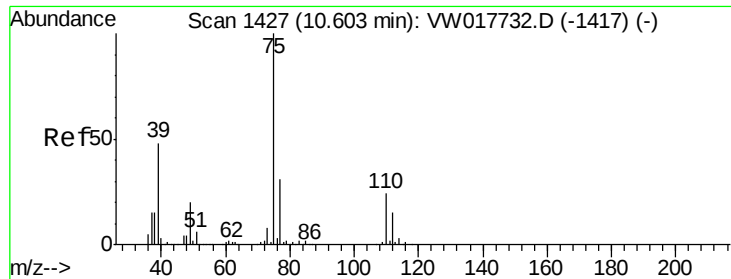
Tot Ion: 63 Resp: 13832
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#42
 cis-1,3-Dichloropropene
 Concen: 0.639 ug/L
 RT: 10.04 min Scan# 1334
 Delta R.T. -0.04 min
 Lab File: VW017746.D
 Acq: 24 Dec 2020 19:09

Tgt Ion: 75 Resp: 4286
 Ion Ratio Lower Upper
 75 100
 77 44.9 21.6 40.2#

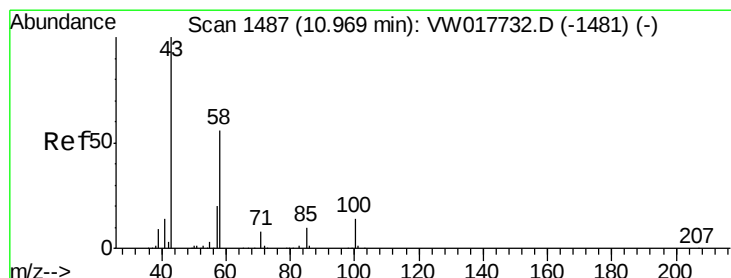
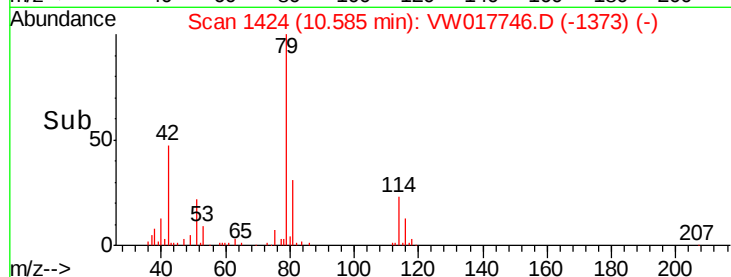
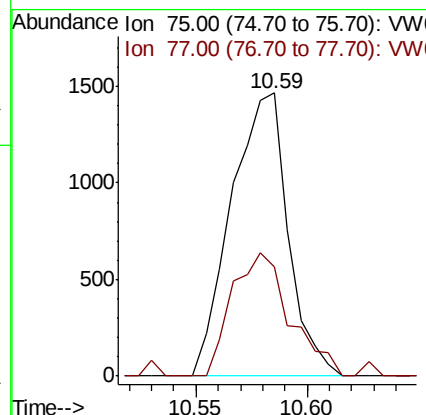
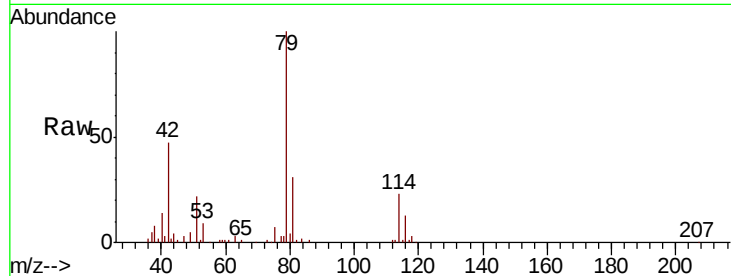




#45
trans-1,3-Dichloropropene
Concen: 0.456 ug/L
RT: 10.59 min Scan# 1424
Delta R.T. -0.02 min
Lab File: VW017746.D
Acq: 24 Dec 2020 19:09

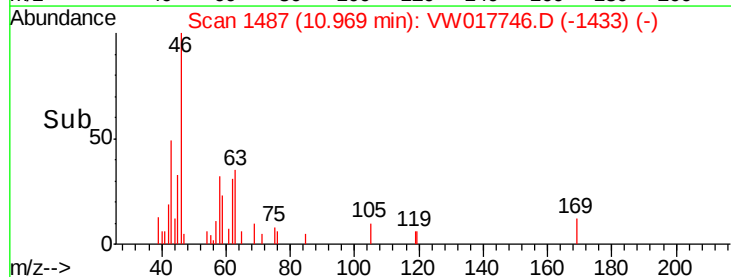
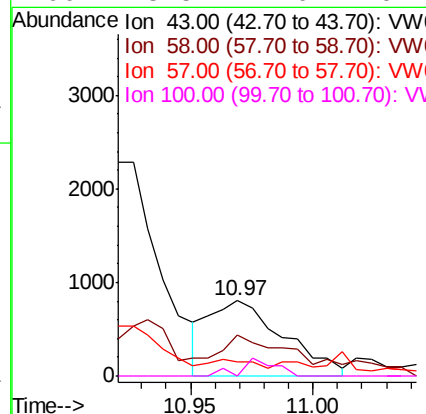
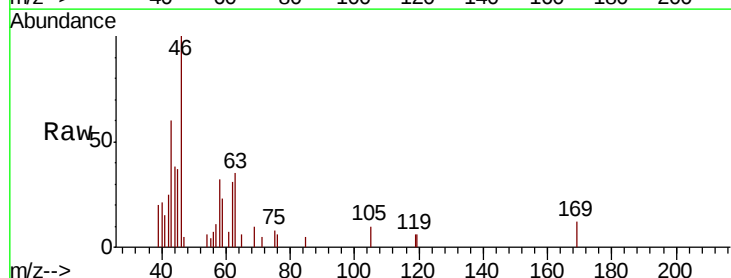
Instrument :
MSVOA_W
ClientSampleId :

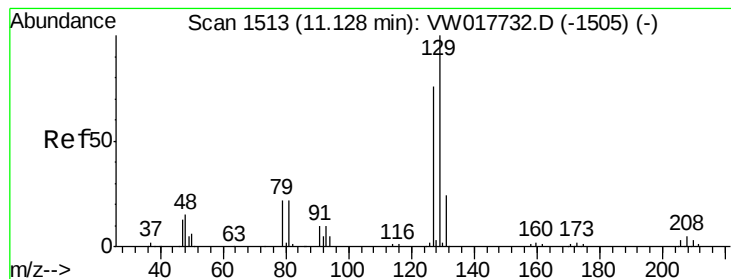
Tot Ion: 75 Resp: 2605
Ion Ratio Lower Upper
75 100
77 38.8 21.6 40.0



#49
2-Hexanone
Concen: 1.180 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017746.D
Acq: 24 Dec 2020 19:09

Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
58 16.7 44.2 66.4#
57 5.4 16.1 24.1#
100 8.5 11.0 16.4#





#50

Dibromochloromethane

Concen: 0.253 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.27 min

Lab File: VW017746.D

Acq: 24 Dec 2020 19:09

Instrument :

MSVOA_W

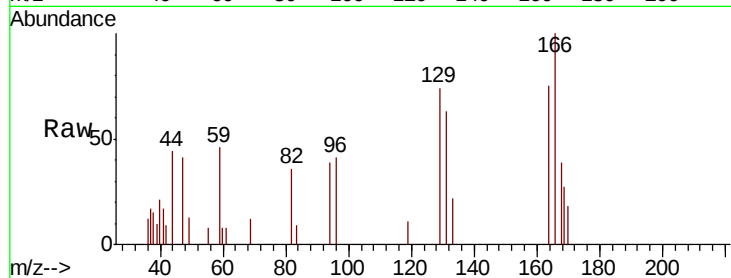
ClientSampleId :

Tot Ion:129 Resp: 936

Ion Ratio Lower Upper

129 100

127 0.0 56.1 104.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.86

500

400

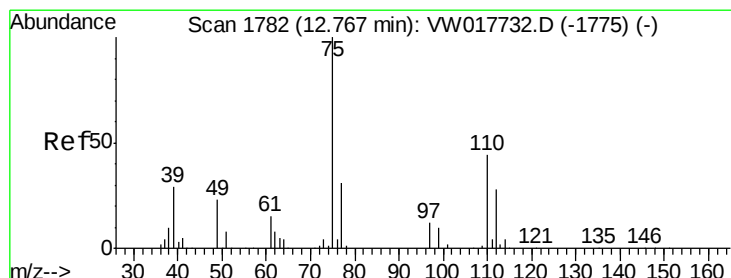
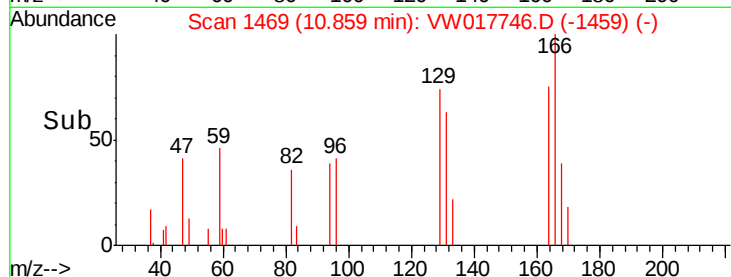
300

200

100

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 6.738 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW017746.D

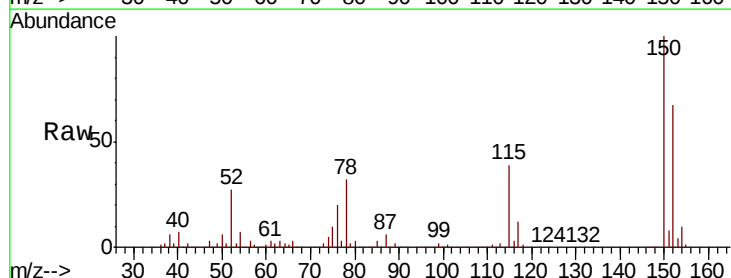
Acq: 24 Dec 2020 19:09

Tgt Ion: 75 Resp: 17261

Ion Ratio Lower Upper

75 100

77 34.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12000

10000

8000

6000

4000

2000

0

Time-->

