

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081220\
 Data File : VW016152.D
 Acq On : 12 Aug 2020 11:34
 Operator : SY/VA
 Sample : L3599-18
 Misc : 6.92G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 13 01:26:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 01:23:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	398763	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	373088	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	160997	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	105570	21.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.40%
7) Chloroethane-d5	2.89	69	79000	21.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.20%
10) 1,1-Dichloroethene-d2	4.01	63	187194	17.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.32%
20) 2-Butanone-d5	7.09	46	104042	79.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	159.96%#
24) Chloroform-d	7.65	84	239440	22.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	8.31	65	145153	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
29) Benzene-d6	8.27	84	483936	23.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.36%
33) 1,2-Dichloropropane-d6	9.27	67	155614	26.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.28%
37) Toluene-d8	10.32	98	447849	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.24%
38) trans-1,3-Dichloropropene-	10.58	79	72710	27.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.44%
39) 2-Hexanone-d5	10.93	63	90361	87.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	175.52%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	163621	33.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	134.68%#
61) 1,2-Dichlorobenzene-d4	13.85	152	146310	25.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.56%

Target Compounds

					Ovalue
5) Vinyl chloride	2.36	62	59881	11.278	ug/L 98
12) 1,1-Dichloroethene	4.04	96	25688	5.019	ug/L # 5
13) Acetone	4.13	43	6311	6.413	ug/L 95
18) trans-1,2-Dichloroethene	5.42	96	136714	25.395	ug/L 87
19) 1,1-Dichloroethane	6.21	63	34801	3.654	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	9698468	1707.676	ug/L 94
31) 1,1,1-Trichloroethane	7.87	97	11357	1.325	ug/L 97
35) Trichloroethene	9.10	95	12731286	2200.701	ug/L 98
36) Methylcyclohexane	9.34	83	10337	1.085	ug/L # 1
40) 1,2-Dichloropropane	9.27	63	18257	3.456	ug/L # 86
42) cis-1,3-Dichloropropene	10.03	75	4352	0.541	ug/L # 65
44) Toluene	10.39	91	24129	1.062	ug/L 96
46) 1,1,2-Trichloroethane	10.76	97	7231	1.739	ug/L # 23
47) Tetrachloroethene	10.86	164	8776	2.024	ug/L 92
49) 2-Hexanone	10.93	43	17893	8.344	ug/L # 48
54) m,p-Xylene	11.85	106	4793	0.494	ug/L 91
55) o-xylene	12.17	106	2534	0.278	ug/L 84

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ClientSampleId :

Quant Time: Aug 13 01:26:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 13 01:23:48 2020
Response via : Initial Calibration

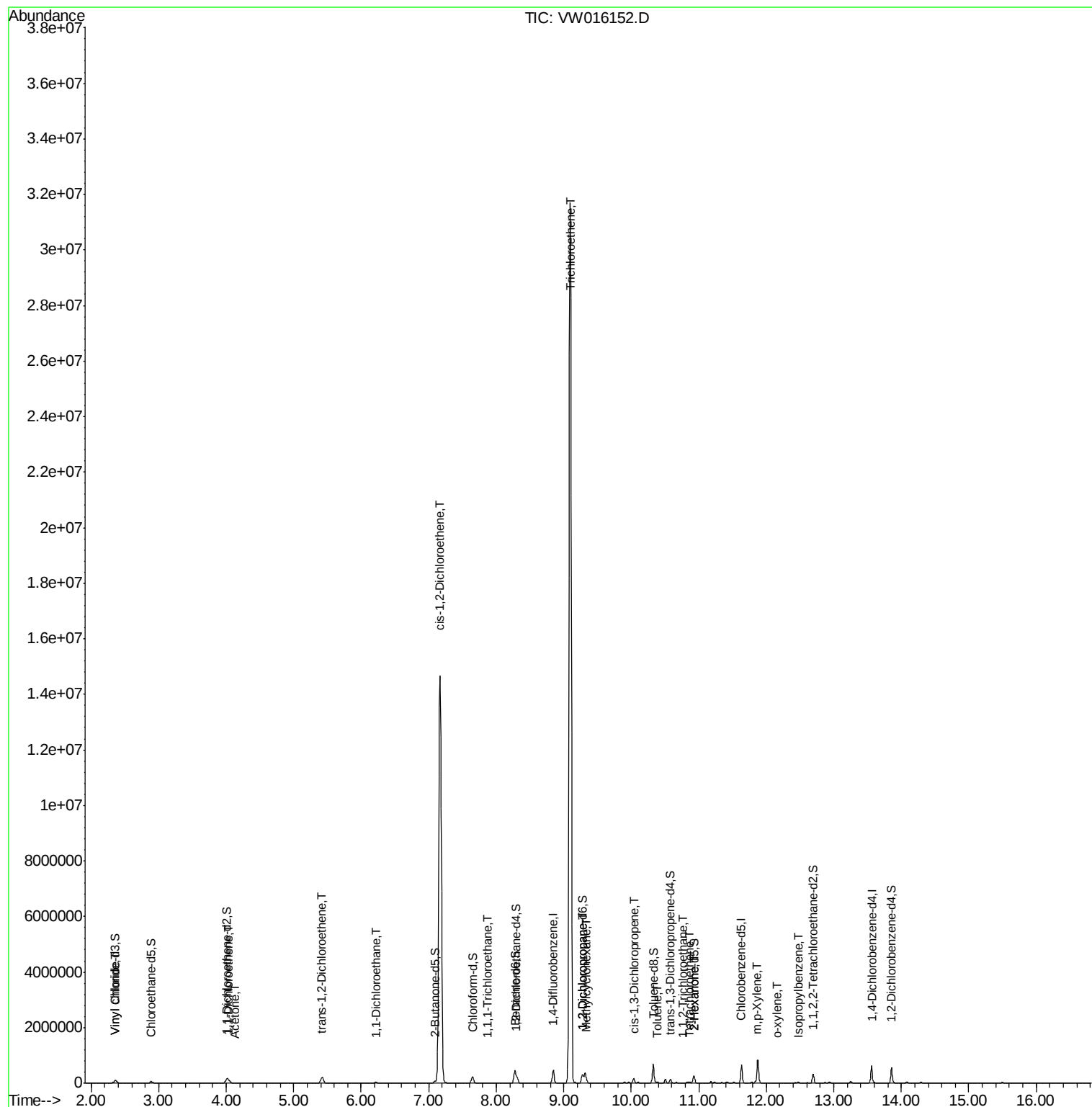
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
57) Isopropylbenzene	12.46	105	15682	0.637	ug/L #	95
-----	-----	-----	-----	-----	-----	-----

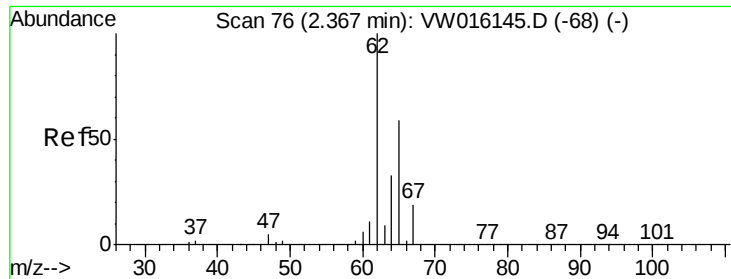
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 01:23:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.278 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

Instrument :

MSVOA_W

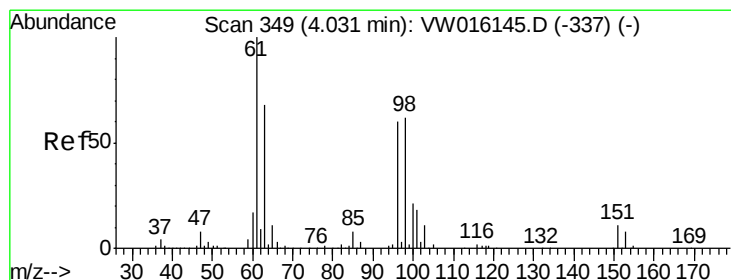
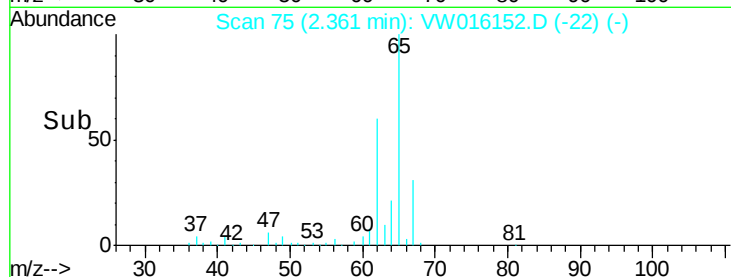
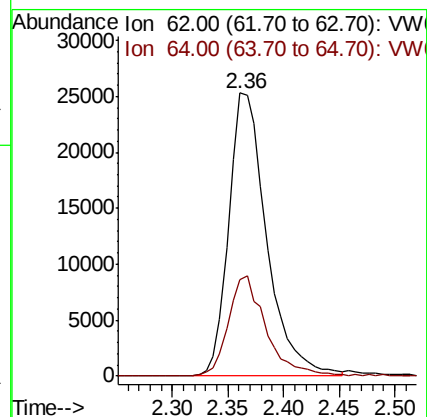
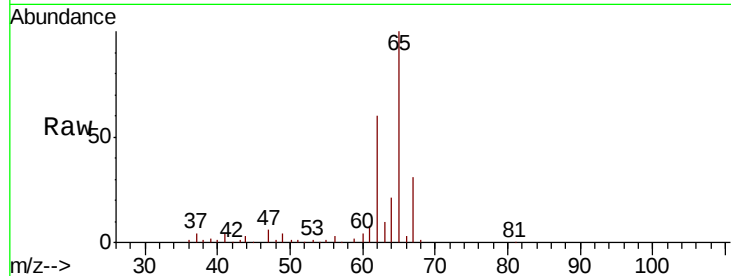
ClientSampled :

Tot Ion: 62 Resp: 59881

Ion Ratio Lower Upper

62 100

64 34.2 23.0 42.8



#12

1,1-Dichloroethene

Concen: 5.019 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

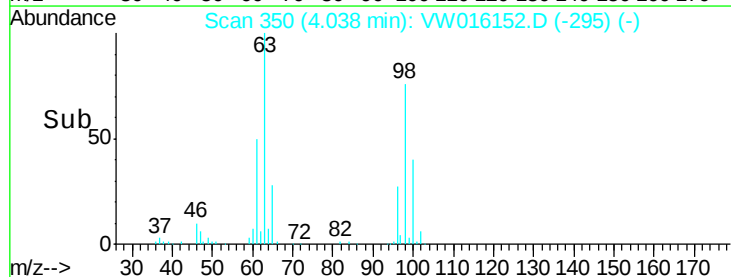
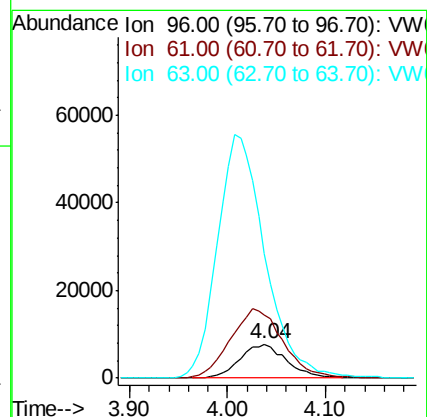
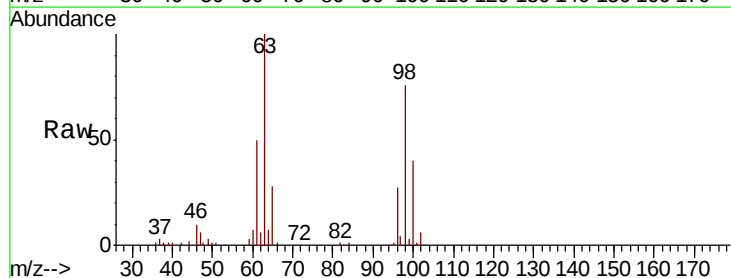
Tgt Ion: 96 Resp: 25688

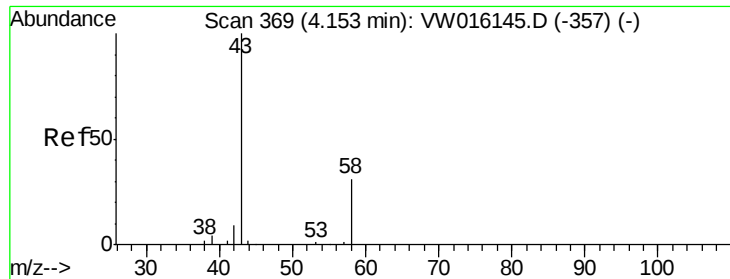
Ion Ratio Lower Upper

96 100

61 184.3 120.2 223.2

63 366.0 86.4 160.4#





#13

Acetone

Concen: 6.413 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

Instrument :

MSVOA_W

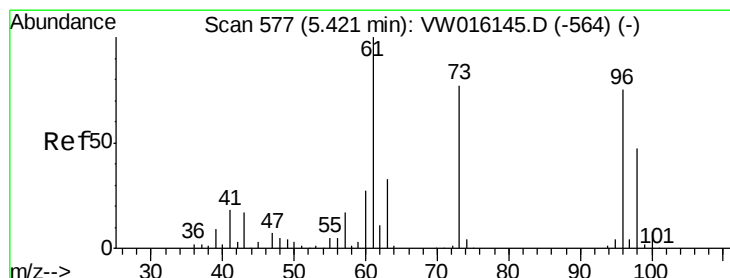
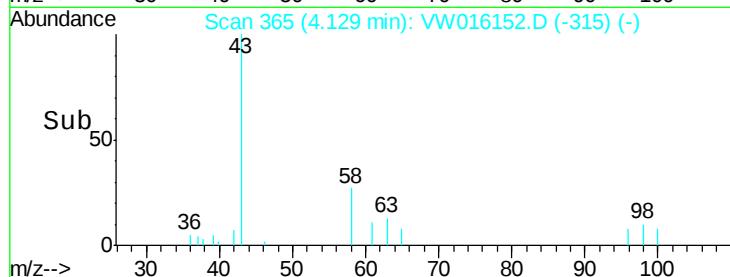
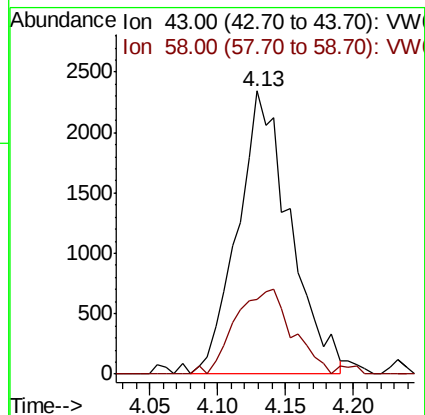
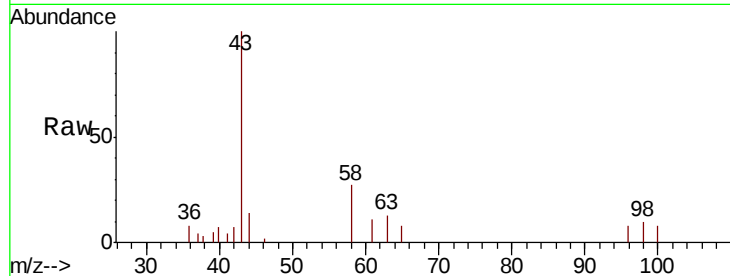
ClientSampled :

Tot Ion: 43 Resp: 6311

Ion Ratio Lower Upper

43 100

58 32.4 0.0 59.4



#18

trans-1,2-Dichloroethene

Concen: 25.395 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

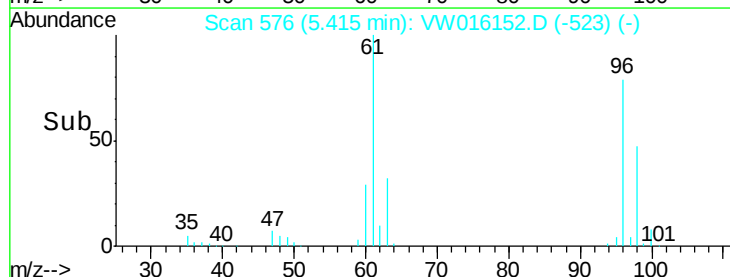
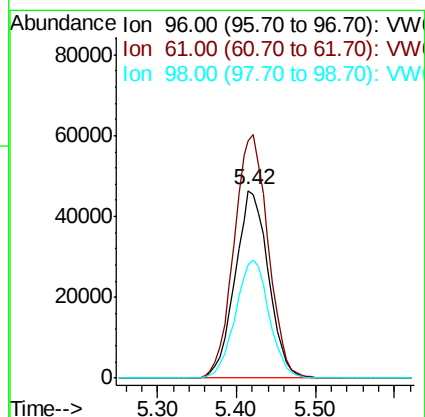
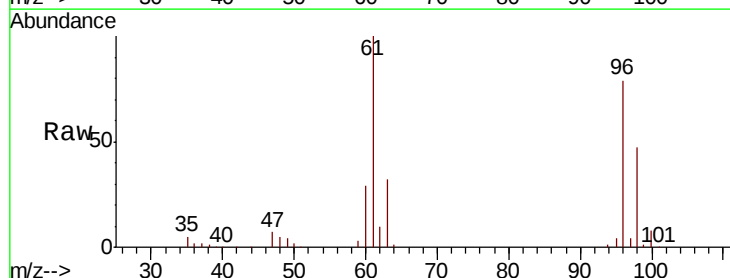
Tgt Ion: 96 Resp: 136714

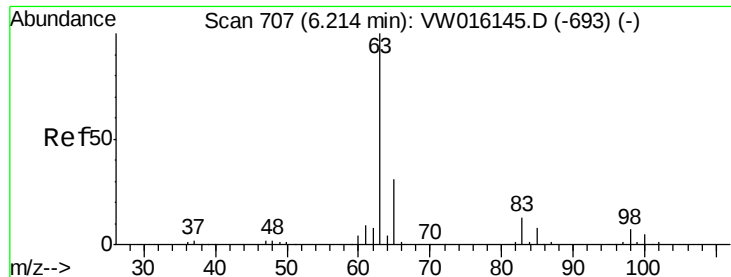
Ion Ratio Lower Upper

96 100

61 126.5 101.6 188.8

98 59.9 47.7 88.7

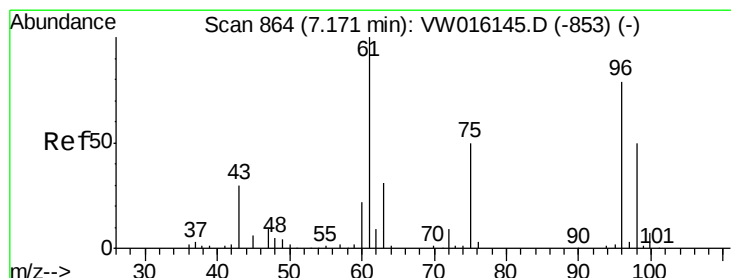
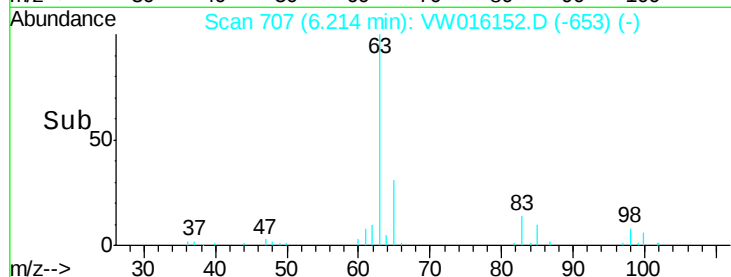
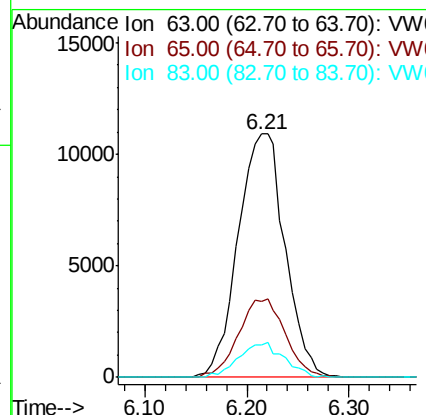
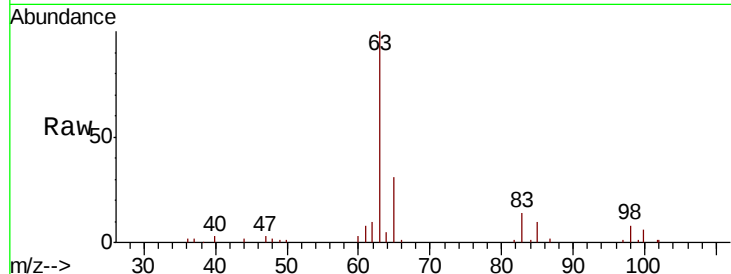




#19
 1,1-Dichloroethane
 Concen: 3.654 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW016152.D
 Acq: 12 Aug 2020 11:34

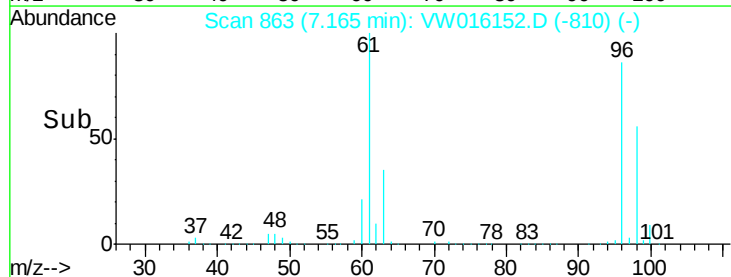
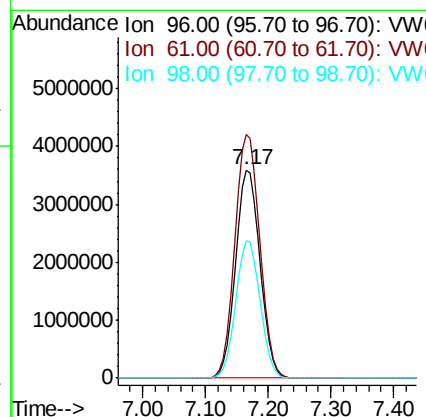
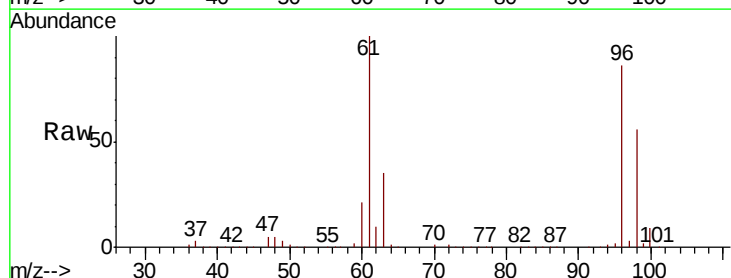
Instrument :
 MSVOA_W
 ClientSampled :

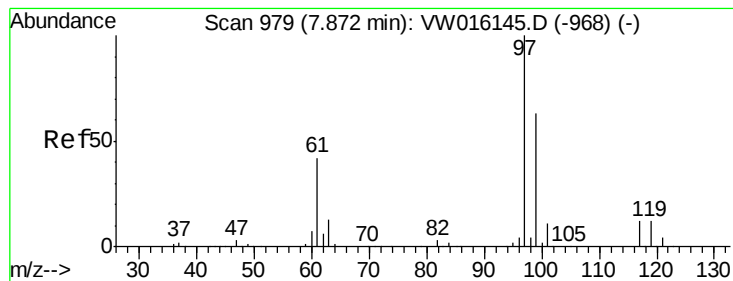
Tot Ion: 63 Resp: 34801
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.6 40.0
 83 13.6 9.8 18.2



#22
 cis-1,2-Dichloroethene
 Concen: 1707.676 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW016152.D
 Acq: 12 Aug 2020 11:34

Tgt Ion: 96 Resp: 9698468
 Ion Ratio Lower Upper
 96 100
 61 116.9 87.0 161.6
 98 65.9 44.0 81.6





#31

1,1,1-Trichloroethane

Concen: 1.325 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :

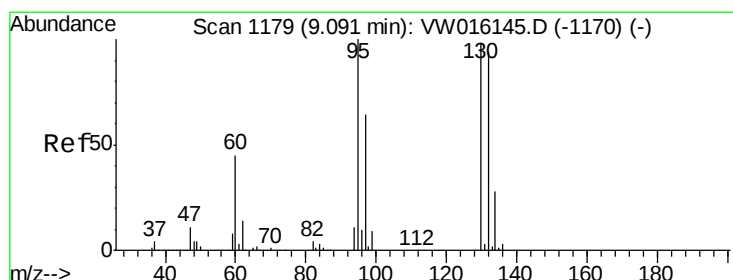
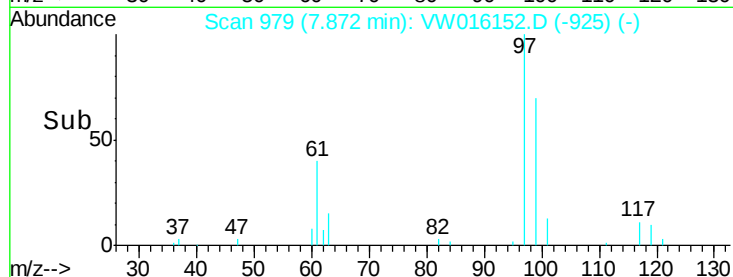
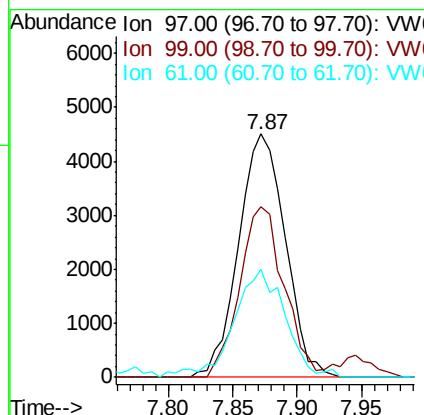
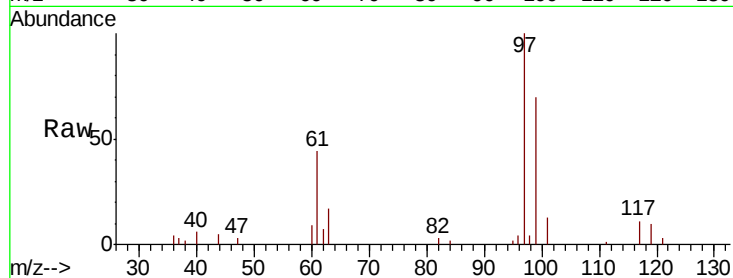
Tot Ion: 97 Resp: 11357

Ion Ratio Lower Upper

97 100

99 66.2 51.6 77.4

61 45.4 34.5 51.7



#35

Trichloroethene

Concen: 2200.701 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

Tgt Ion: 95 Resp: 12731286

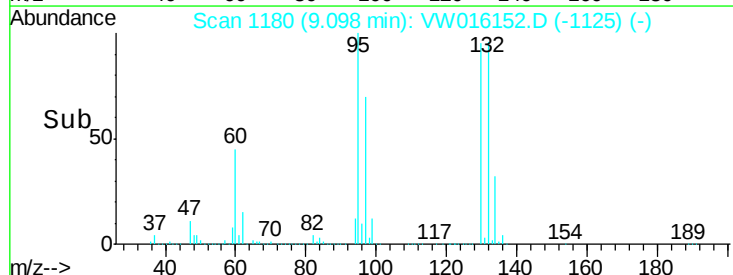
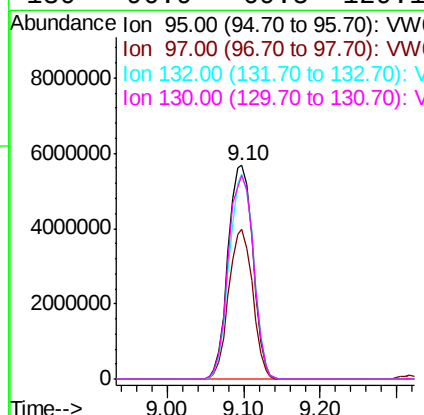
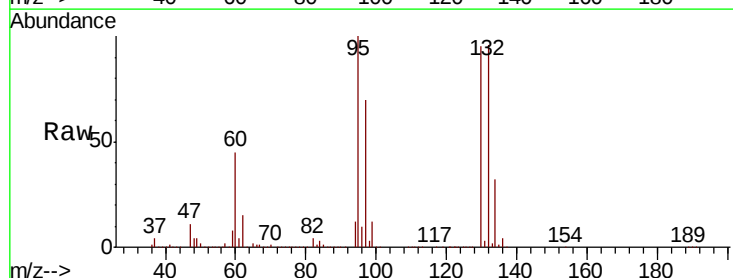
Ion Ratio Lower Upper

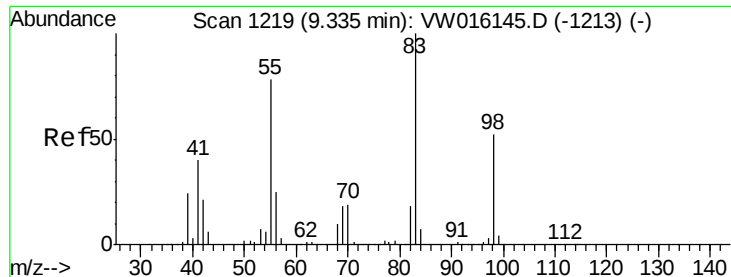
95 100

97 67.9 44.9 83.3

132 94.4 65.8 122.2

130 96.9 69.5 129.1

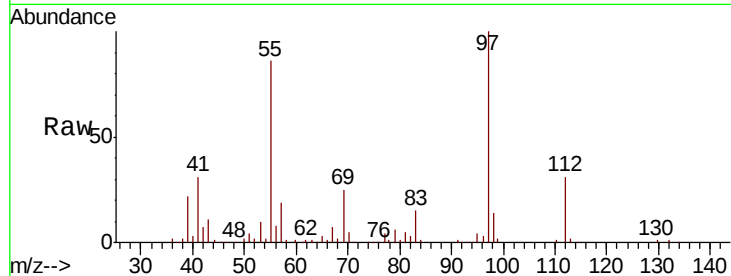




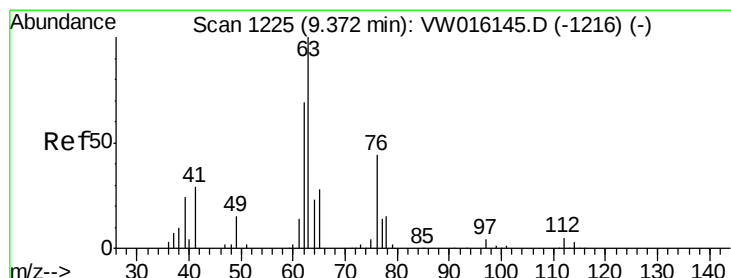
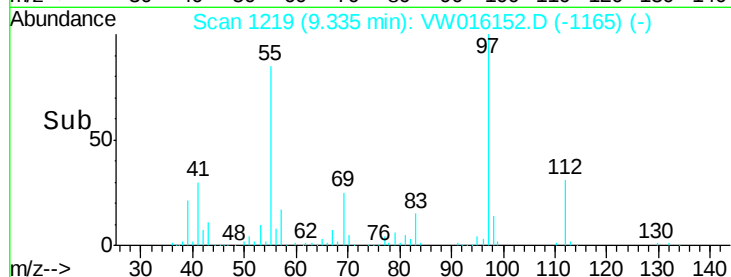
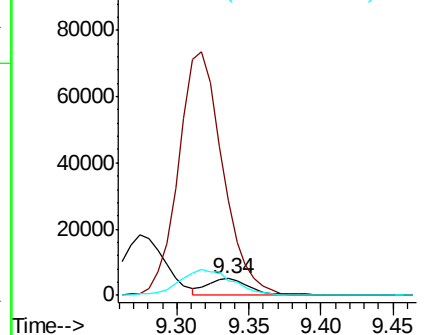
#36
Methylcyclohexane
Concen: 1.085 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW016152.D
Acq: 12 Aug 2020 11:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 10337
Ion Ratio Lower Upper
83 100
55 1527.4 60.7 91.1#
98 196.4 39.4 59.0#

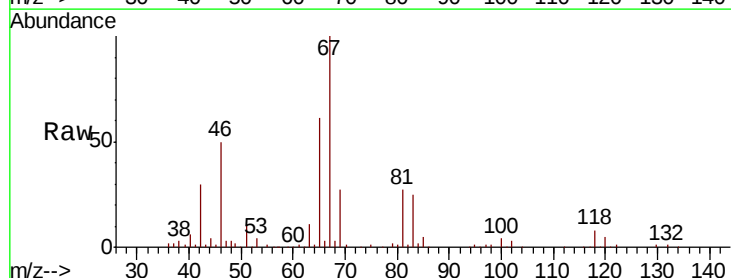


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

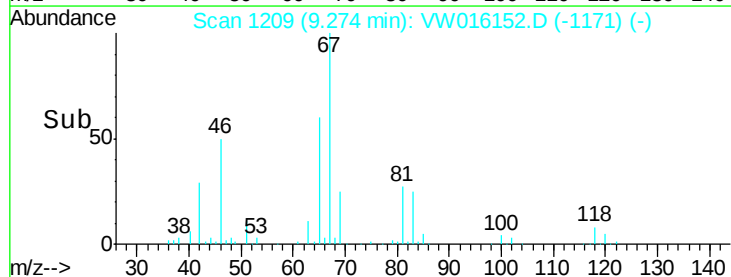
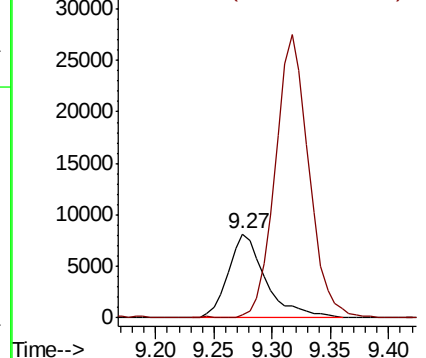


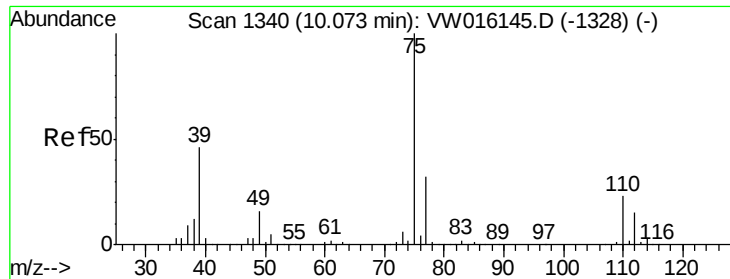
#40
1,2-Dichloropropane
Concen: 3.456 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW016152.D
Acq: 12 Aug 2020 11:34

Tgt Ion: 63 Resp: 18257
Ion Ratio Lower Upper
63 100
112 0.5 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.541 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

Instrument :

MSVOA_W

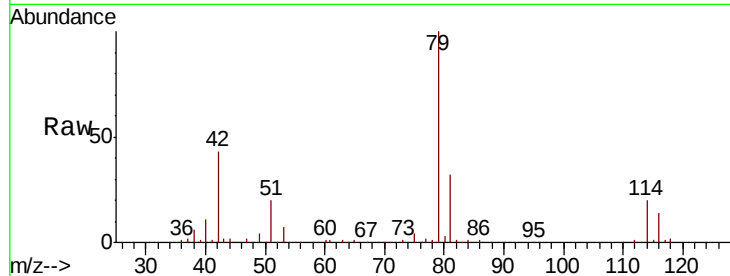
ClientSampleId :

Tot Ion: 75 Resp: 4352

Ion Ratio Lower Upper

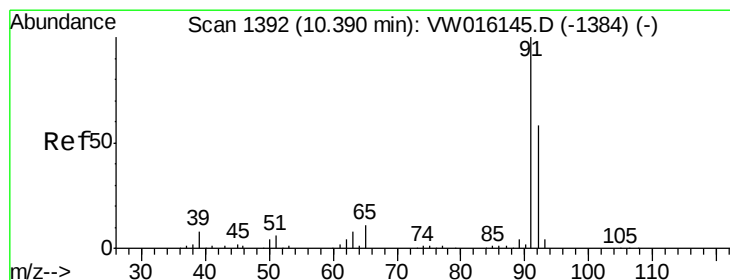
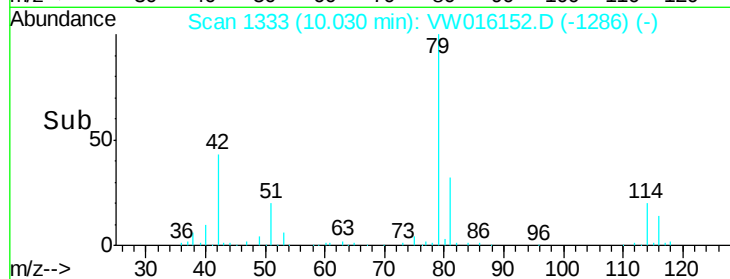
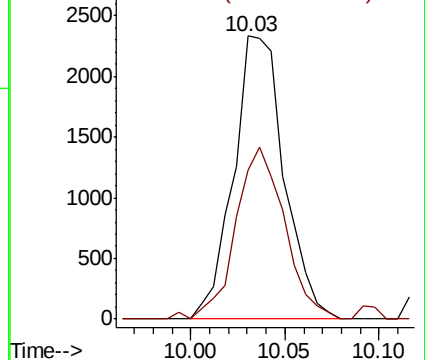
75 100

77 52.6 22.9 42.5#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#44

Toluene

Concen: 1.062 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016152.D

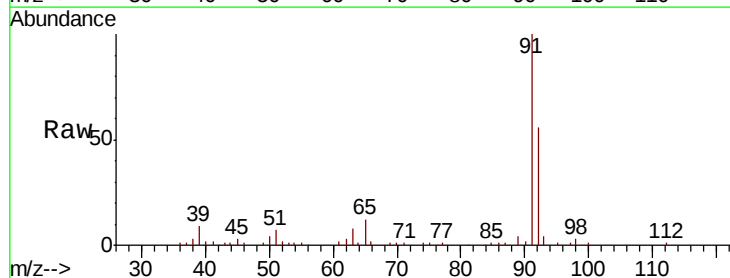
Acq: 12 Aug 2020 11:34

Tgt Ion: 91 Resp: 24129

Ion Ratio Lower Upper

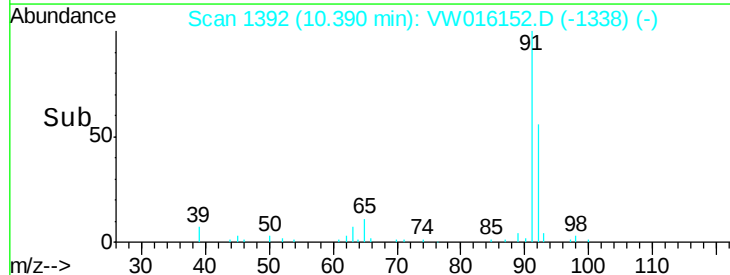
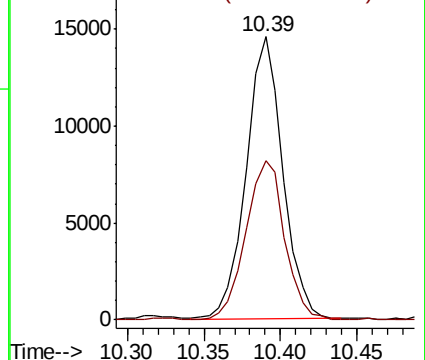
91 100

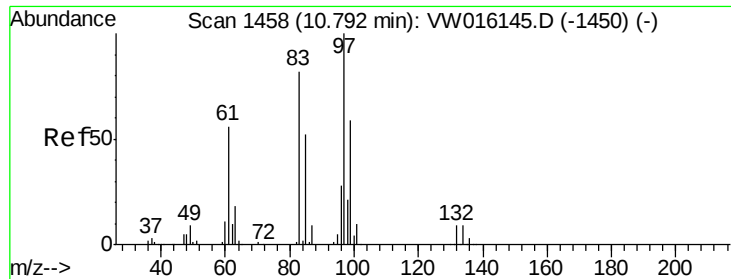
92 56.4 41.8 77.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

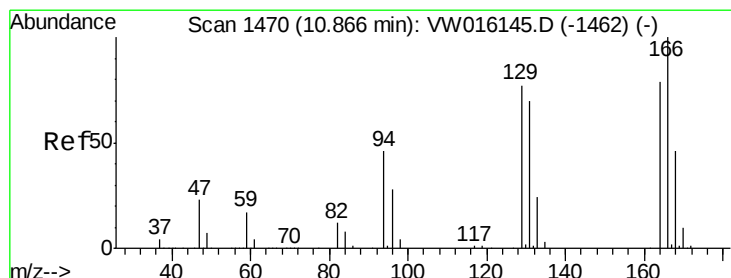
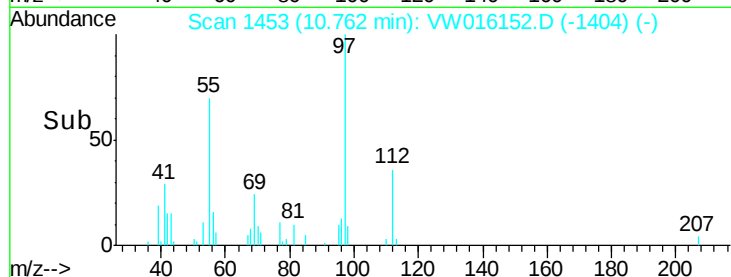
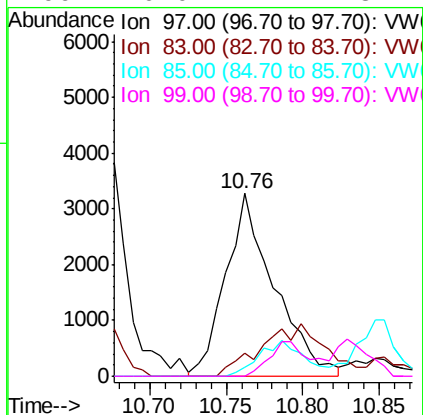
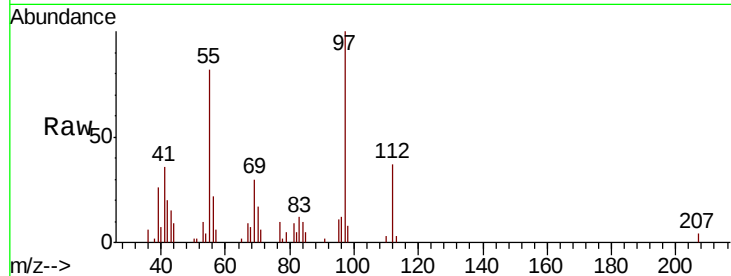




#46
1,1,2-Trichloroethane
Concen: 1.739 ug/L
RT: 10.76 min Scan# 1453
Delta R.T. -0.03 min
Lab File: VW016152.D
Acq: 12 Aug 2020 11:34

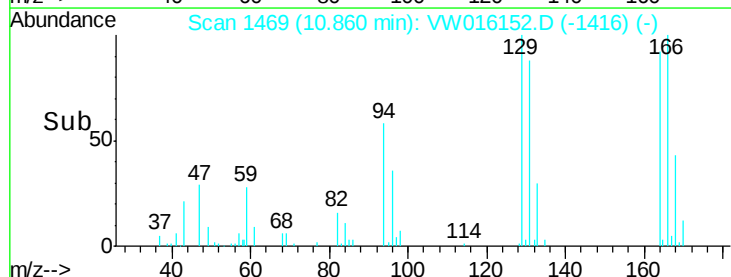
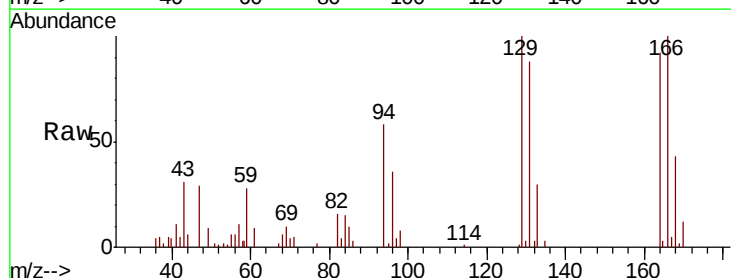
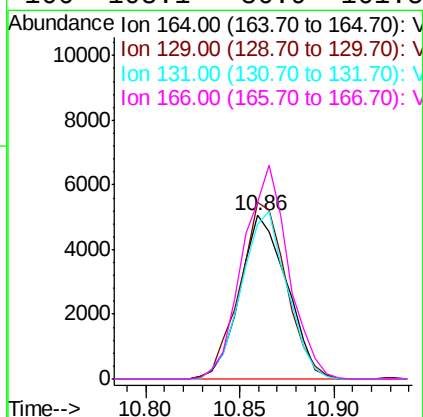
Instrument :
MSVOA_W
ClientSampleId :

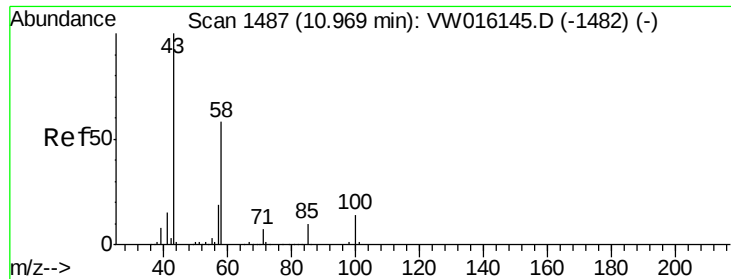
Tot Ion: 97 Resp: 7231
Ion Ratio Lower Upper
97 100
83 12.3 57.8 107.4#
85 4.9 38.0 70.6#
99 0.0 44.4 82.4#



#47
Tetrachloroethene
Concen: 2.024 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW016152.D
Acq: 12 Aug 2020 11:34

Tgt Ion: 164 Resp: 8776
Ion Ratio Lower Upper
164 100
129 108.5 71.5 132.9
131 95.0 65.4 121.4
166 108.1 86.9 161.5





#49

2-Hexanone

Concen: 8.344 ug/L

RT: 10.93 min Scan# 1481

Delta R.T. -0.04 min

Lab File: VW016152.D

Acq: 12 Aug 2020 11:34

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 17893

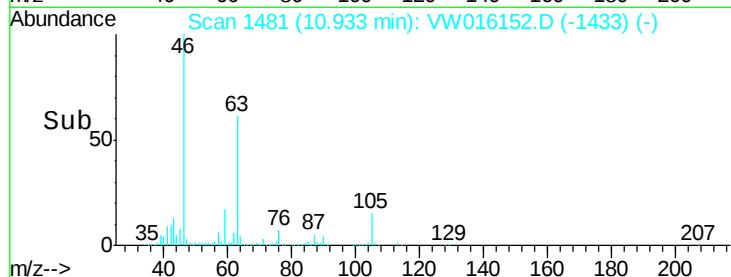
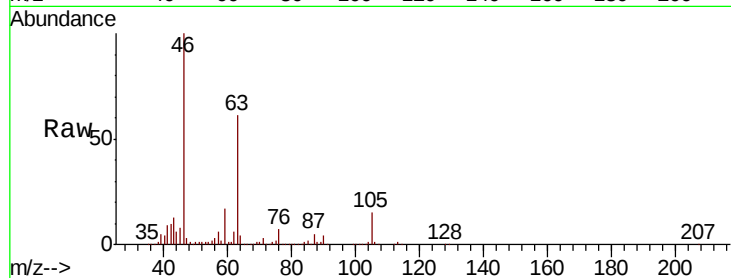
Ion Ratio Lower Upper

43 100

58 16.6 44.2 66.2#

57 48.7 15.8 23.6#

100 1.1 10.8 16.2#

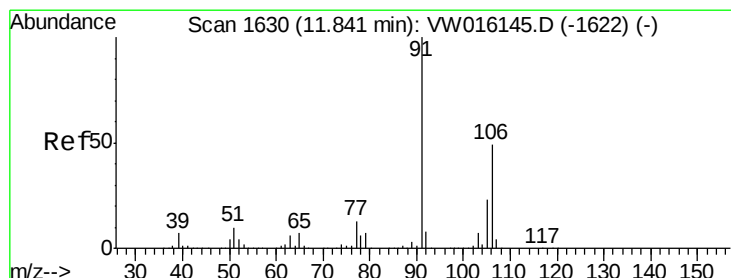
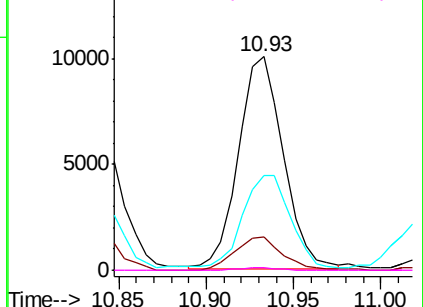


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#54

m,p-Xylene

Concen: 0.494 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW016152.D

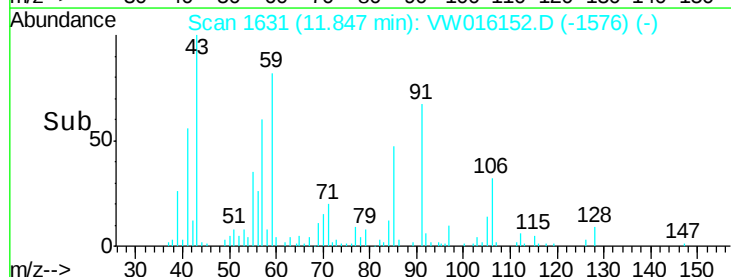
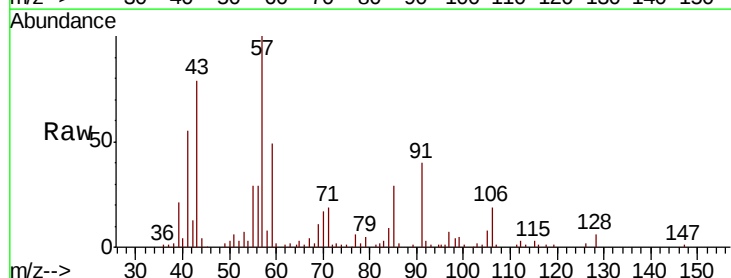
Acq: 12 Aug 2020 11:34

Tgt Ion: 106 Resp: 4793

Ion Ratio Lower Upper

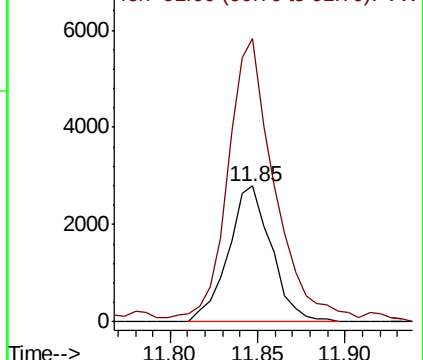
106 100

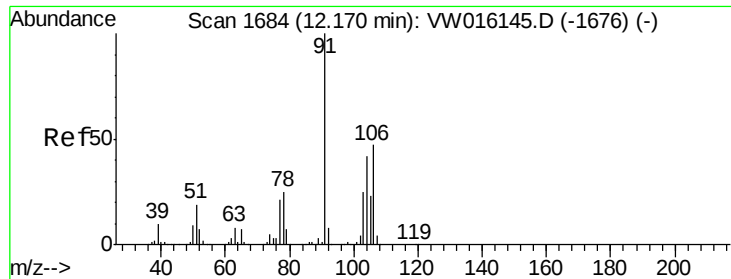
91 208.7 136.4 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

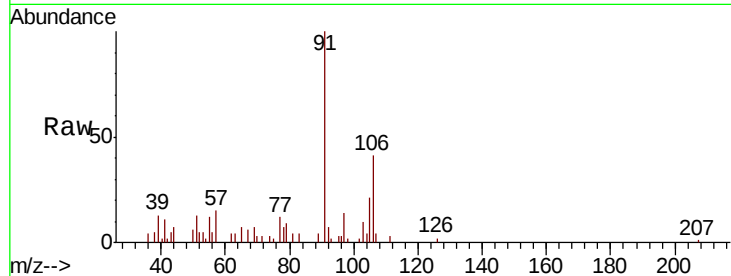




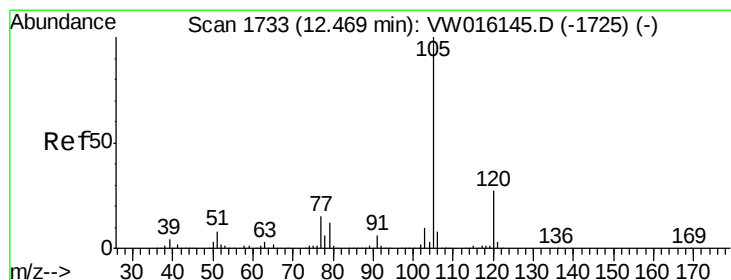
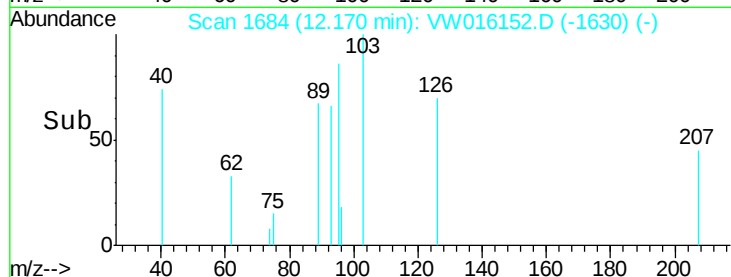
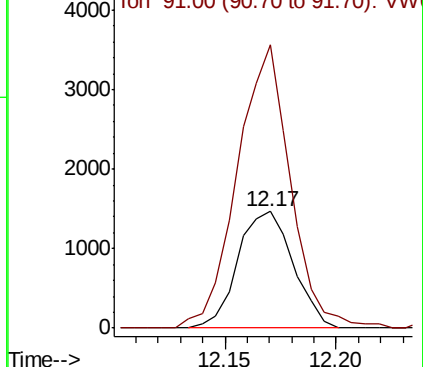
#55
o-xylene
Concen: 0.278 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016152.D
Acq: 12 Aug 2020 11:34

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 2534
Ion Ratio Lower Upper
106 100
91 242.1 151.3 281.1

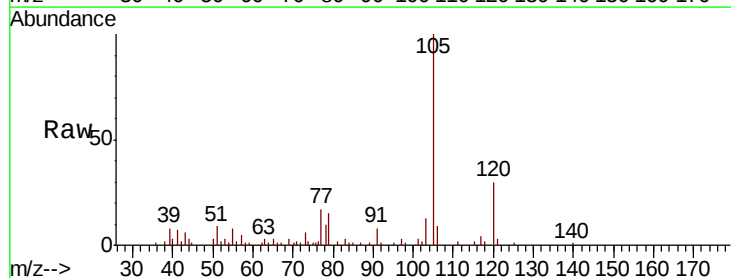


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V



#57
Isopropylbenzene
Concen: 0.637 ug/L
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW016152.D
Acq: 12 Aug 2020 11:34

Tgt Ion:105 Resp: 15682
Ion Ratio Lower Upper
105 100
120 27.4 21.0 31.4
77 19.6 12.6 18.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

