

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101620\
 Data File : VW016919.D
 Acq On : 15 Oct 2020 18:06
 Operator : SY/VA
 Sample : L4426-01
 Misc : 5.87G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y3

Quant Time: Oct 16 08:16:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 08:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	523112	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	397096	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	152803	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	116169	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
7) Chloroethane-d5	2.89	69	101912	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	4.02	63	177596	16.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.84%
20) 2-Butanone-d5	7.08	46	48234	41.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.54%
24) Chloroform-d	7.65	84	267455	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.31	65	128969	24.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.76%
29) Benzene-d6	8.27	84	534082	29.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.44%
33) 1,2-Dichloropropane-d6	9.27	67	150767	31.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	124.44%#
37) Toluene-d8	10.33	98	488126	28.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.72%
38) trans-1,3-Dichloropropene-	10.58	79	52776	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.76%
39) 2-Hexanone-d5	10.93	63	36325	48.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	96664	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	126871	26.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.72%

Target Compounds

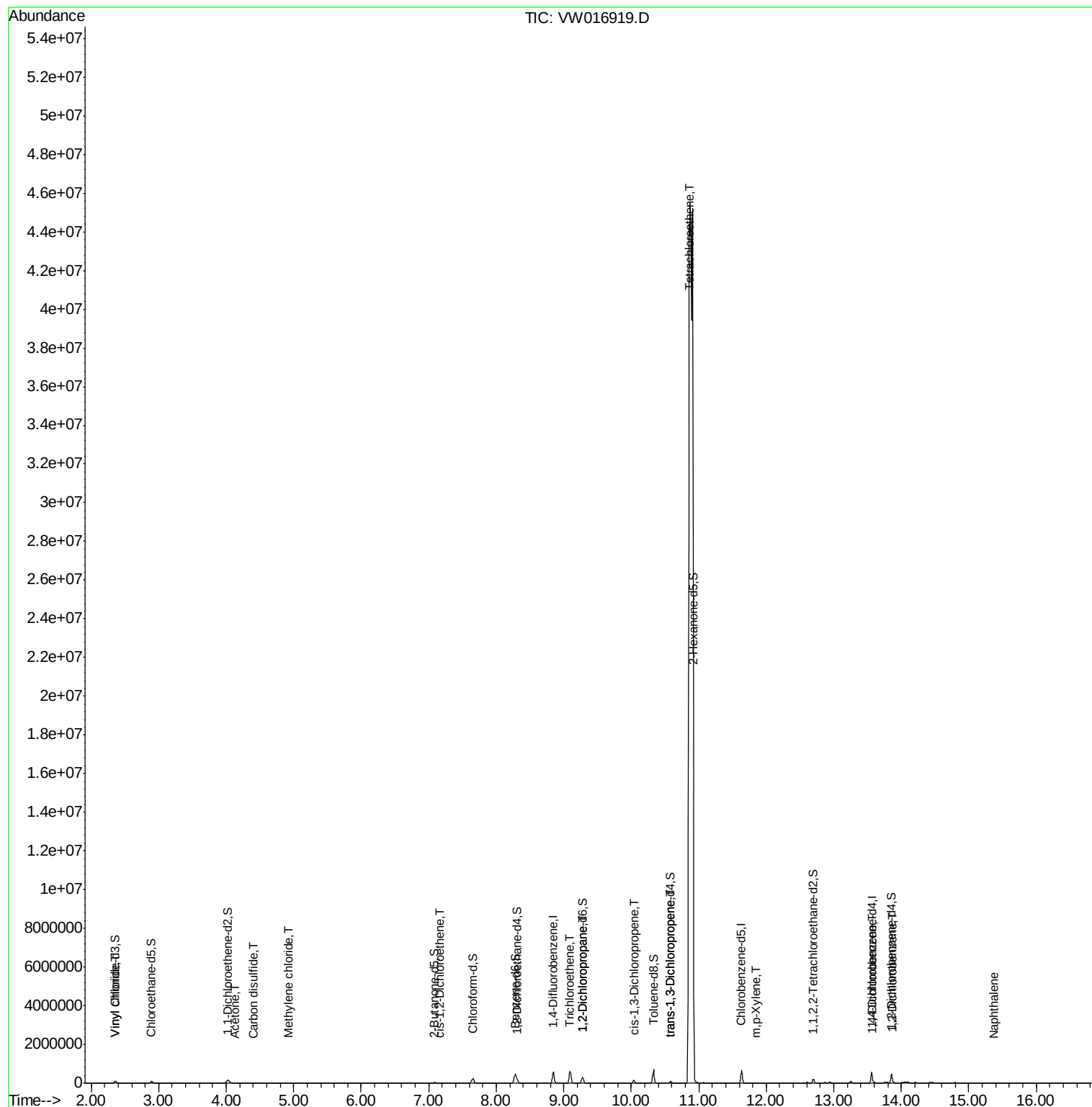
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.37	62	6655	0.930	ug/L #	58
13) Acetone	4.14	43	4776	5.399	ug/L	94
14) Carbon disulfide	4.40	76	15547	0.802	ug/L	98
16) Methylene chloride	4.93	84	21218	2.939	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	2008	0.279	ug/L	92
35) Trichloroethene	9.09	95	215364	35.704	ug/L	99
40) 1,2-Dichloropropane	9.27	63	16598	3.442	ug/L #	84
42) cis-1,3-Dichloropropene	10.04	75	4013	0.522	ug/L #	69
45) trans-1,3-Dichloropropene	10.58	75	2547	0.394	ug/L #	81
47) Tetrachloroethene	10.86	164	6447540	1152.948	ug/L	95
54) m,p-Xylene	11.83	106	3104	0.301	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	5762	0.592	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	8141	0.935	ug/L #	88
69) Naphthalene	15.36	128	5161	0.525	ug/L	95

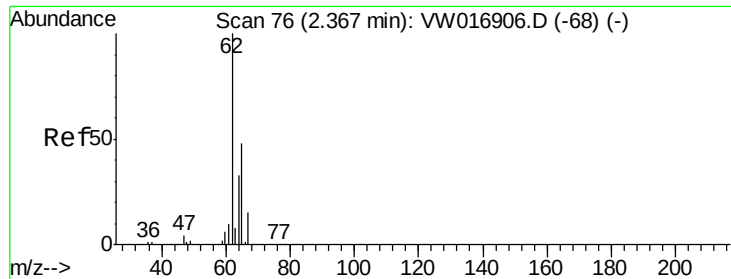
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BG3Y3

Quant Time: Oct 16 08:16:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 16 08:07:29 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.930 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Instrument :

MSVOA_W

ClientSampled :

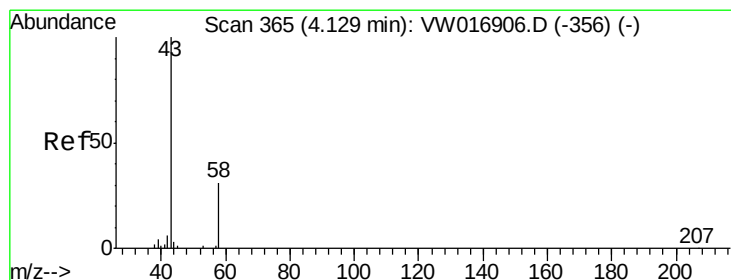
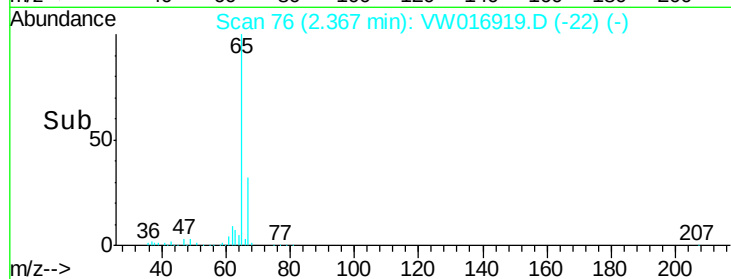
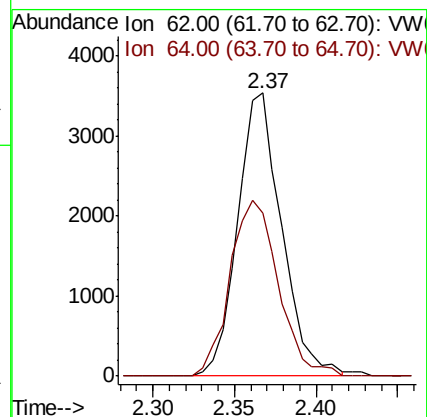
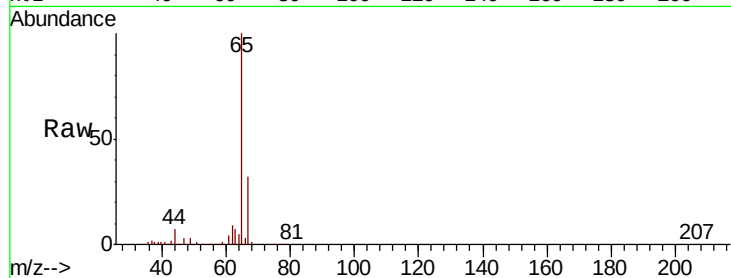
BG3Y3

Tot Ion: 62 Resp: 6655

Ion Ratio Lower Upper

62 100

64 57.7 23.5 43.7#



#13

Acetone

Concen: 5.399 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016919.D

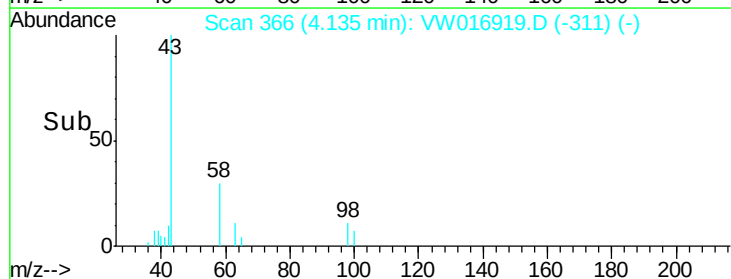
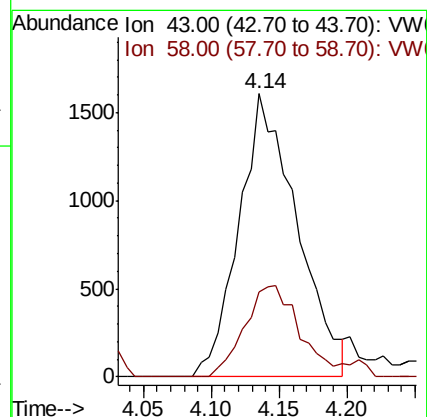
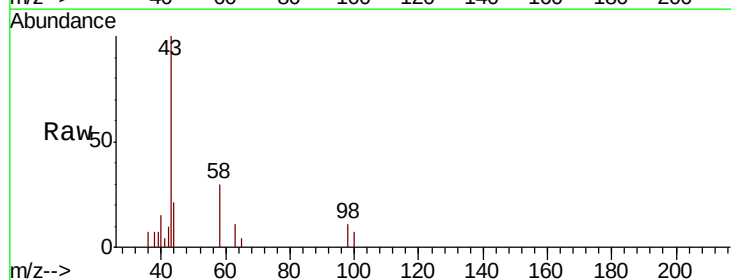
Acq: 15 Oct 2020 18:06

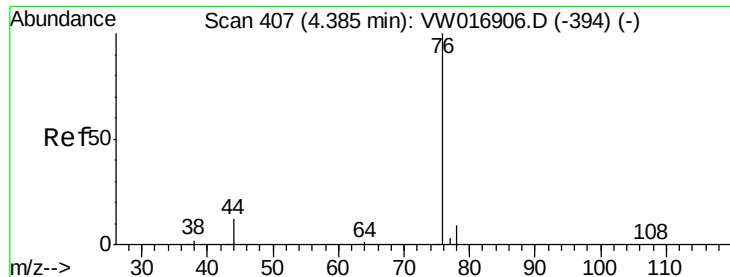
Tgt Ion: 43 Resp: 4776

Ion Ratio Lower Upper

43 100

58 30.3 0.0 67.6





#14

Carbon disulfide

Concen: 0.802 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Instrument :

MSVOA_W

ClientSampleId :

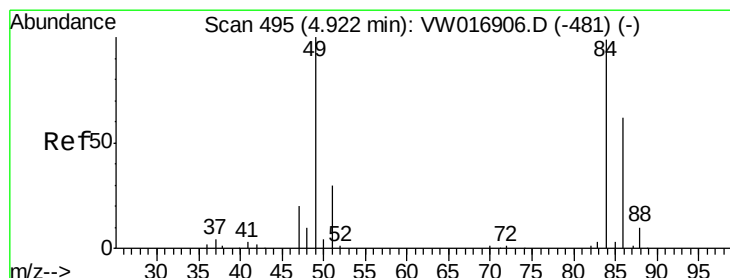
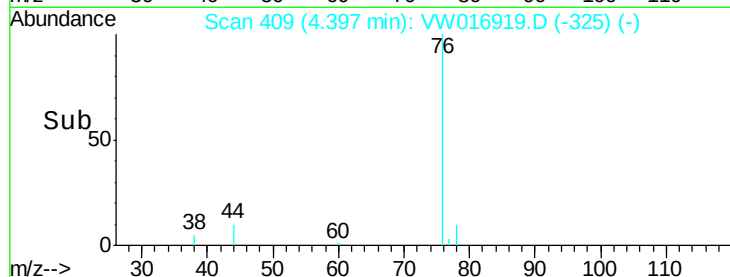
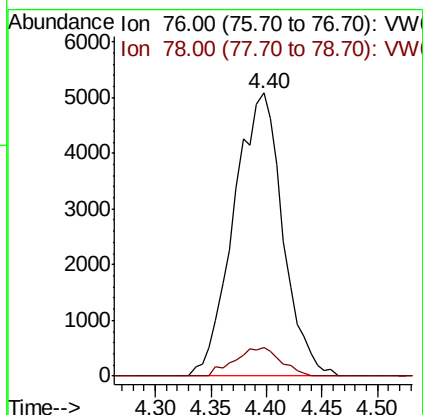
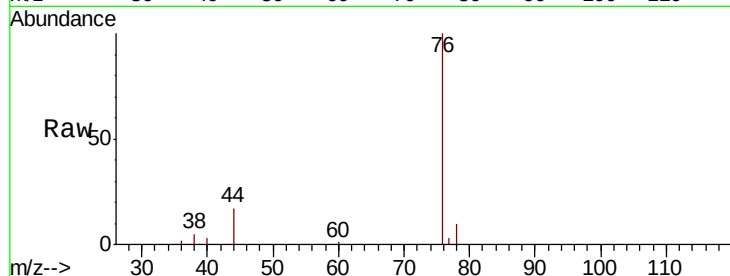
BG3Y3

Tot Ion: 76 Resp: 15547

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0



#16

Methylene chloride

Concen: 2.939 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

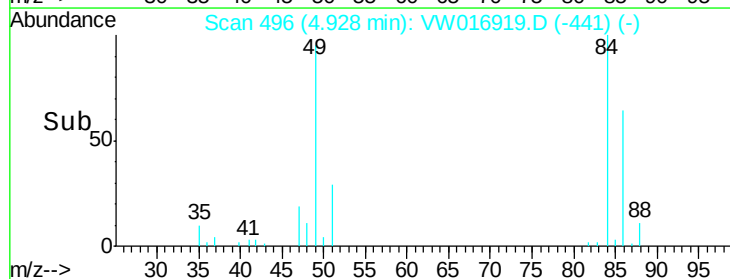
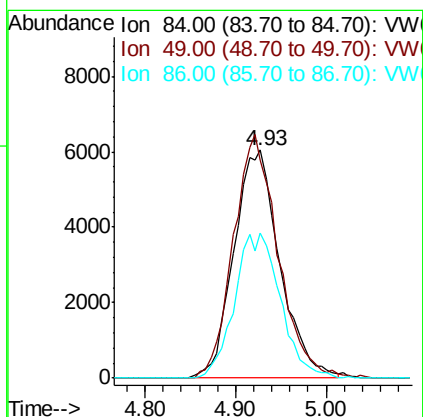
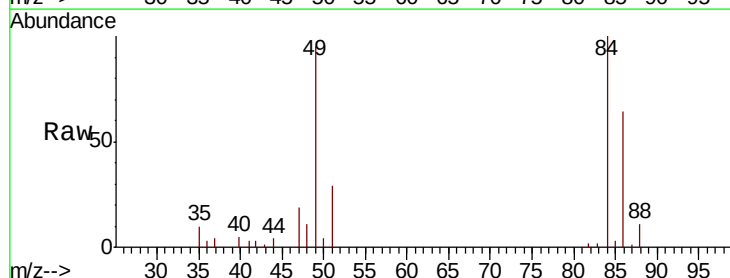
Tgt Ion: 84 Resp: 21218

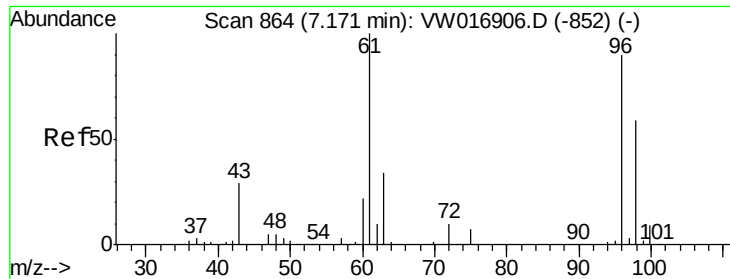
Ion Ratio Lower Upper

84 100

49 95.5 73.1 135.8

86 63.7 46.0 85.4



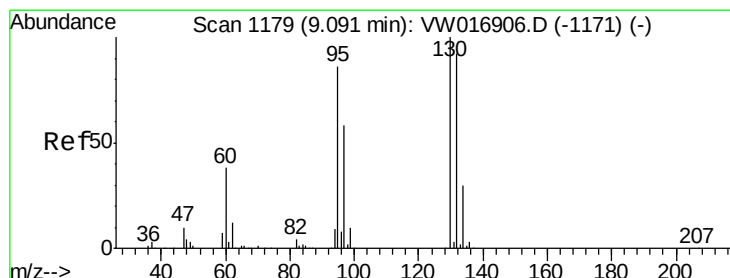
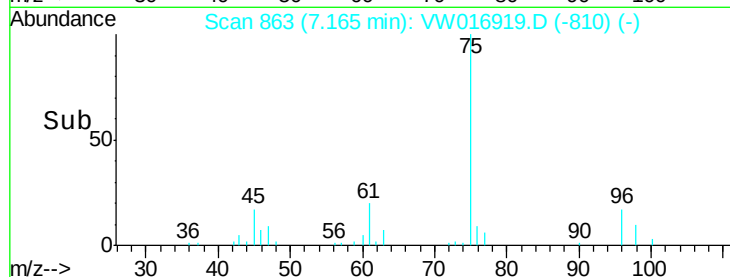
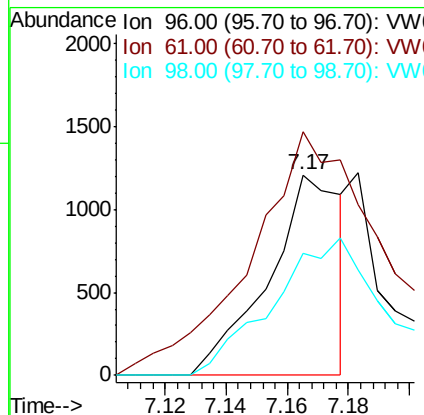
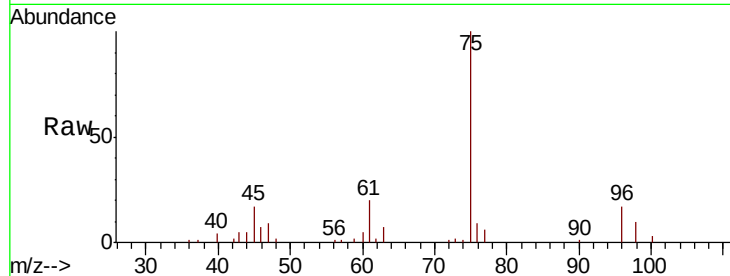


#22

cis-1,2-Dichloroethene
Concen: 0.279 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Instrument :
MSVOA_W
ClientSampleId :
BG3Y3

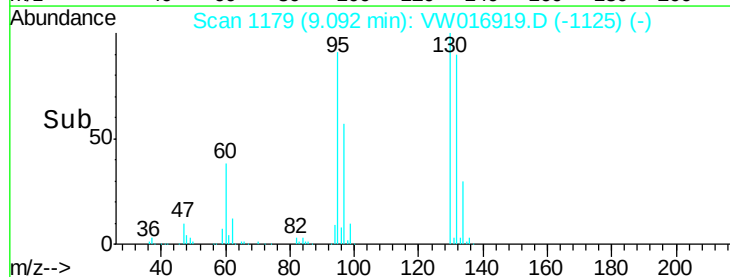
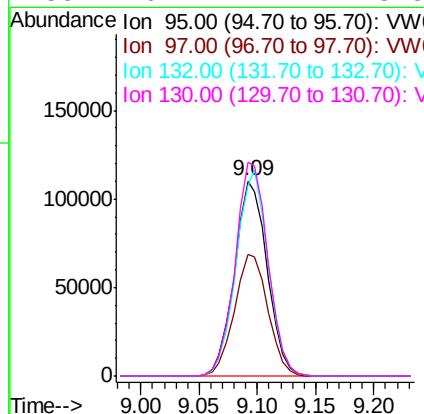
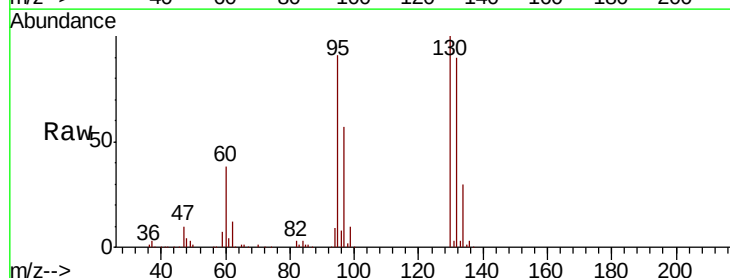
Tot Ion: 96 Resp: 2008
Ion Ratio Lower Upper
96 100
61 121.6 76.0 141.2
98 60.8 42.7 79.3

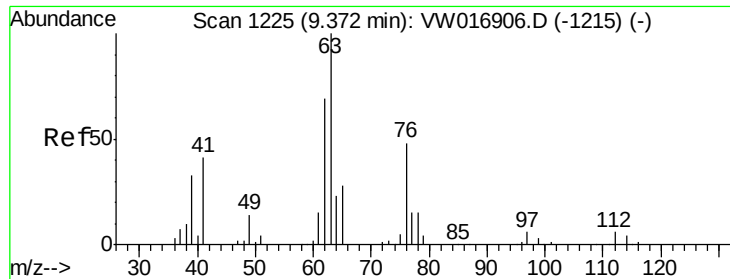


#35

Trichloroethene
Concen: 35.704 ug/L
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW016919.D
Acq: 15 Oct 2020 18:06

Tgt Ion: 95 Resp: 215364
Ion Ratio Lower Upper
95 100
97 64.0 44.7 83.1
132 103.6 73.8 137.2
130 110.2 77.1 143.3

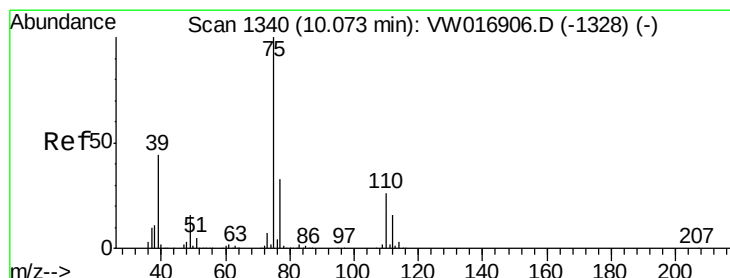
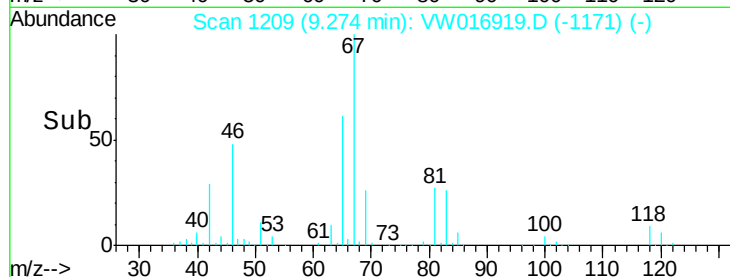
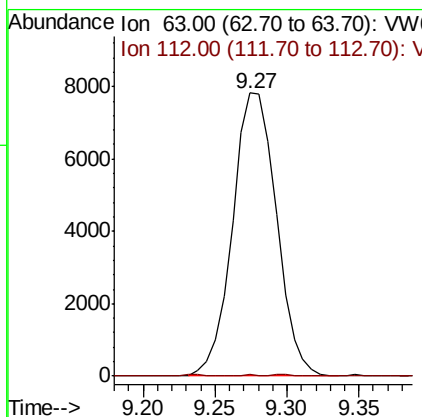
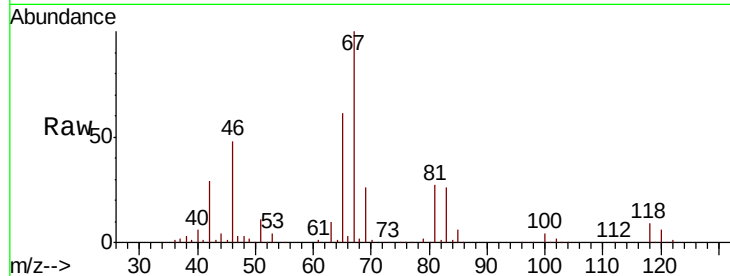




#40
 1,2-Dichloropropane
 Concen: 3.442 ug/L
 RT: 9.27 min Scan# 1209
 Delta R.T. -0.10 min
 Lab File: VW016919.D
 Acq: 15 Oct 2020 18:06

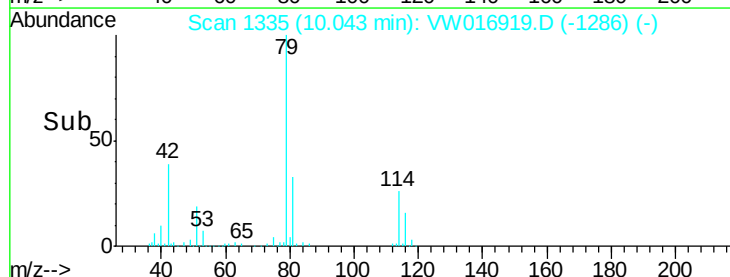
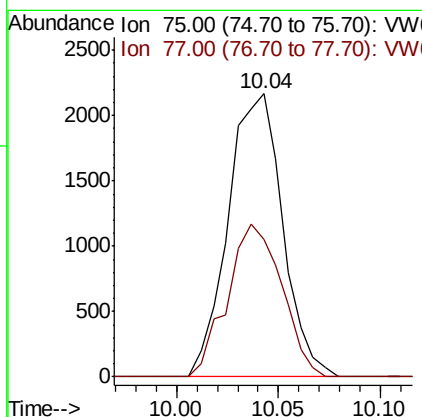
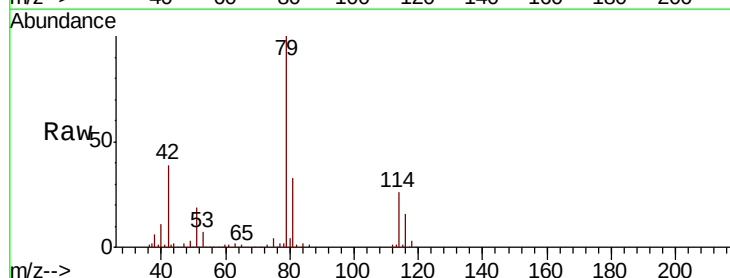
Instrument :
 MSVOA_W
 ClientSampled :
 BG3Y3

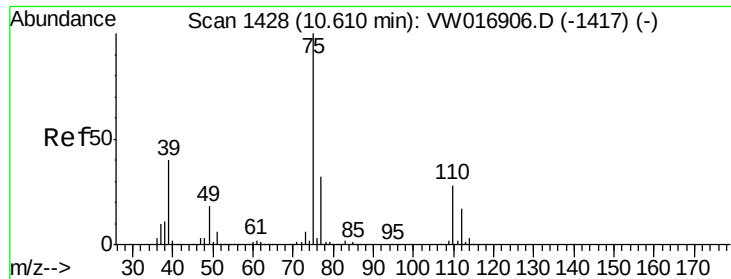
Tot Ion: 63 Resp: 16598
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.5 6.7#



#42
 cis-1,3-Dichloropropene
 Concen: 0.522 ug/L
 RT: 10.04 min Scan# 1335
 Delta R.T. -0.03 min
 Lab File: VW016919.D
 Acq: 15 Oct 2020 18:06

Tgt Ion: 75 Resp: 4013
 Ion Ratio Lower Upper
 75 100
 77 48.6 22.1 41.1#





#45

trans-1,3-Dichloropropene

Concen: 0.394 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Instrument :

MSVOA_W

ClientSampleId :

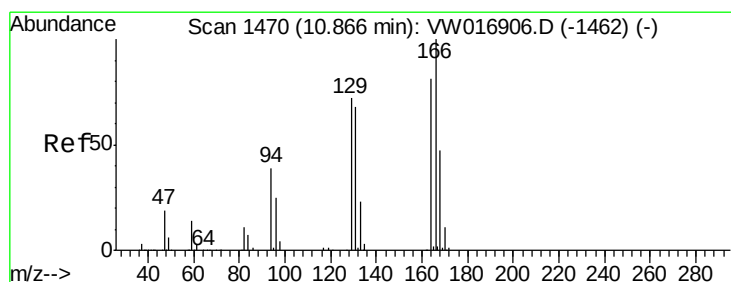
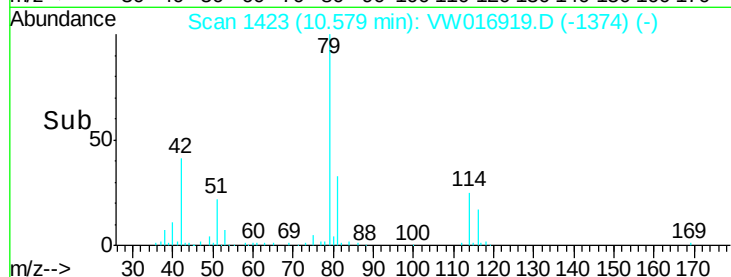
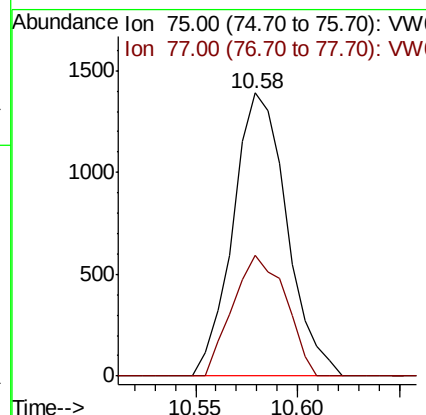
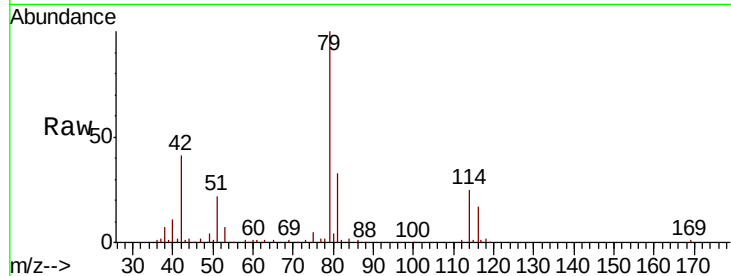
BG3Y3

Tot Ion: 75 Resp: 2547

Ion Ratio Lower Upper

75 100

77 42.5 22.2 41.2#



#47

Tetrachloroethene

Concen: 1152.948 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Tgt Ion: 164 Resp: 6447540

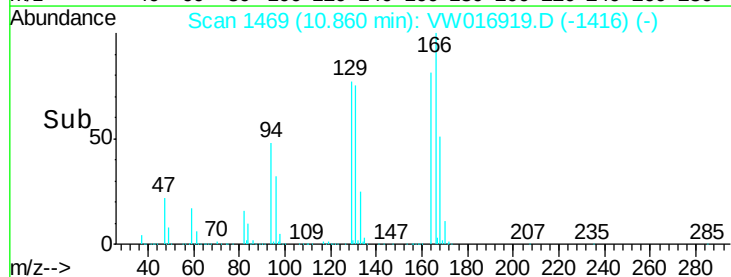
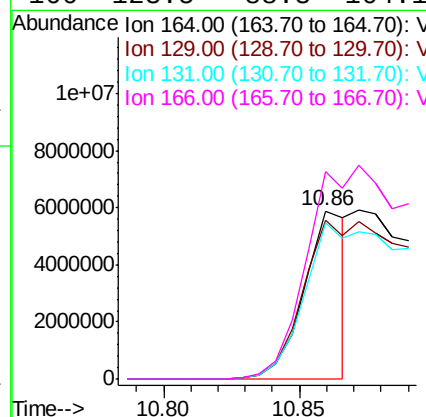
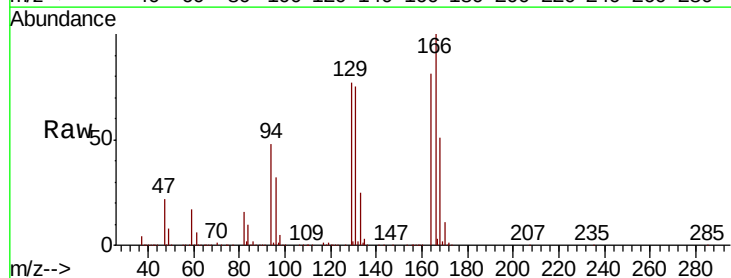
Ion Ratio Lower Upper

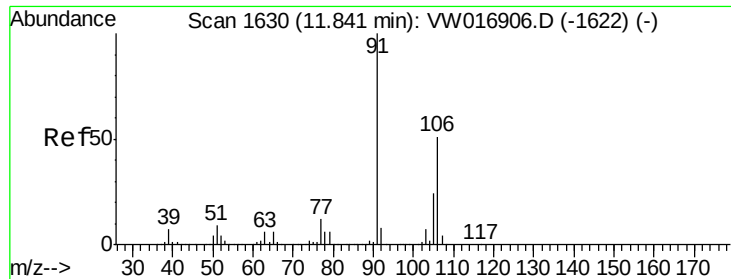
164 100

129 94.5 61.7 114.7

131 93.1 59.7 110.9

166 123.5 88.3 164.1





#54

m,p-Xylene

Concen: 0.301 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

Instrument :

MSVOA_W

ClientSampleId :

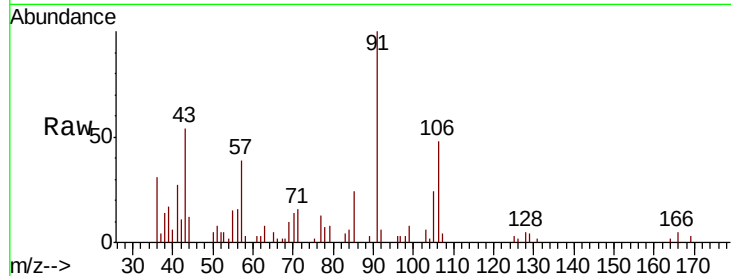
BG3Y3

Tot Ion:106 Resp: 3104

Ion Ratio Lower Upper

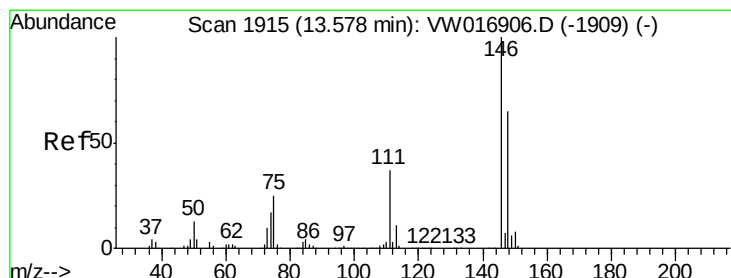
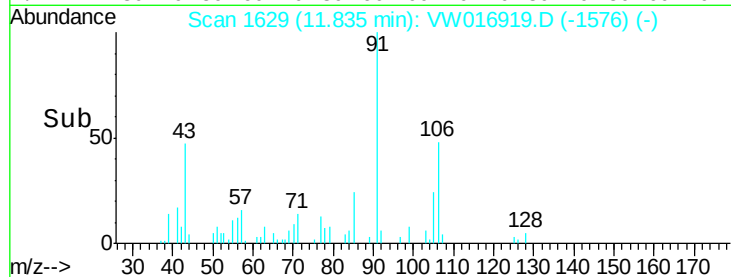
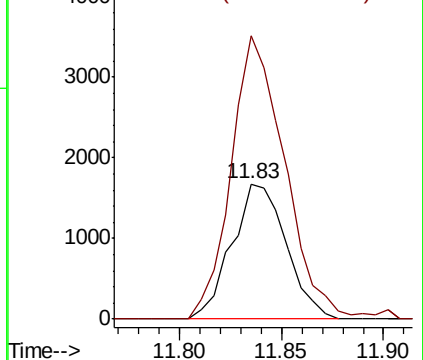
106 100

91 209.0 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV



#64

1,4-Dichlorobenzene

Concen: 0.592 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW016919.D

Acq: 15 Oct 2020 18:06

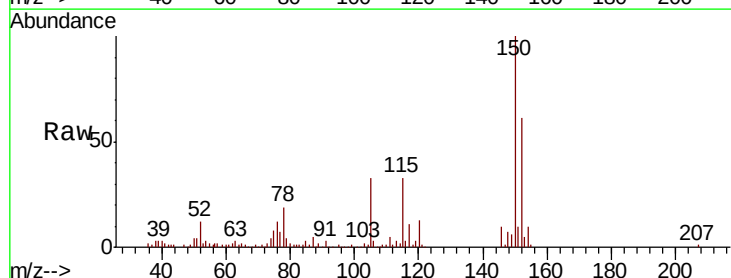
Tgt Ion:146 Resp: 5762

Ion Ratio Lower Upper

146 100

111 45.4 26.0 48.4

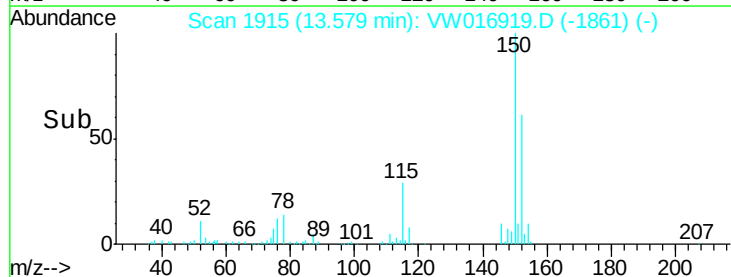
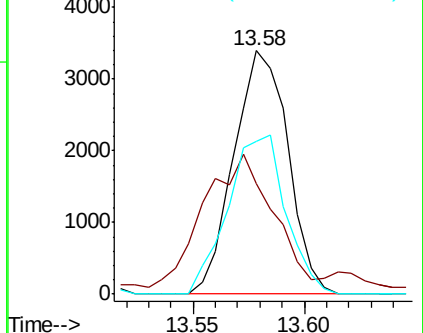
148 62.9 43.9 81.5

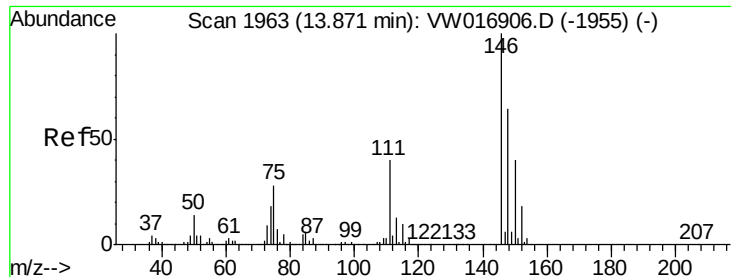


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

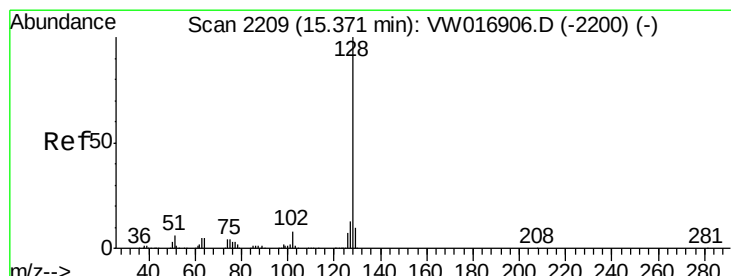
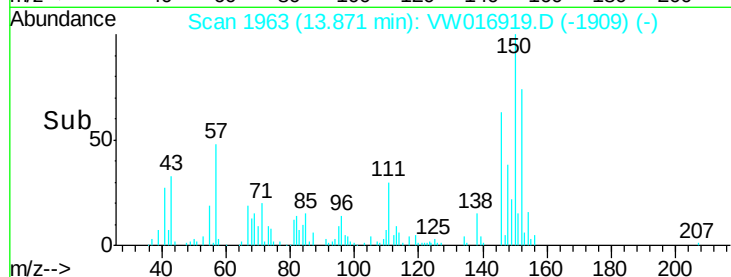
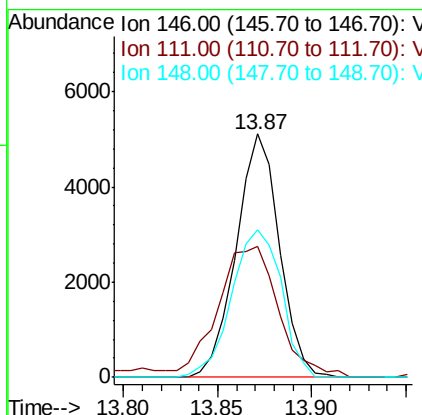
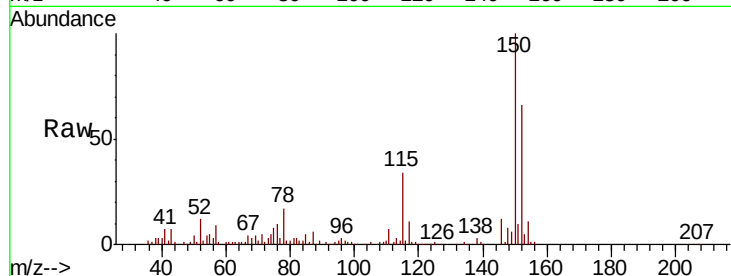




#65
 1,2-Dichlorobenzene
 Concen: 0.935 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016919.D
 Acq: 15 Oct 2020 18:06

Instrument :
 MSVOA_W
 ClientSampled :
 BG3Y3

Tot Ion:146 Resp: 8141
 Ion Ratio Lower Upper
 146 100
 111 53.5 32.1 48.1#
 148 60.5 51.8 77.6



#69
 Naphthalene
 Concen: 0.525 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW016919.D
 Acq: 15 Oct 2020 18:06

Tgt Ion:128 Resp: 5161
 Ion Ratio Lower Upper
 128 100
 129 12.4 8.7 13.1
 127 14.8 10.1 15.1

