

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081020\
 Data File : VW016103.D
 Acq On : 10 Aug 2020 14:19
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 11 01:15:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:14:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	418173	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	403026	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	186246	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	129837	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.16%
7) Chloroethane-d5	2.89	69	101390	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.04%
10) 1,1-Dichloroethene-d2	4.01	63	276954	25.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.60%
20) 2-Butanone-d5	7.09	46	77111	56.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.04%
24) Chloroform-d	7.65	84	286851	25.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.24%
26) 1,2-Dichloroethane-d4	8.31	65	158224	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.16%
29) Benzene-d6	8.27	84	557377	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
33) 1,2-Dichloropropane-d6	9.27	67	158862	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.56%
37) Toluene-d8	10.32	98	511787	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.80%
38) trans-1,3-Dichloropropene-	10.58	79	76947	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.20%
39) 2-Hexanone-d5	10.93	63	63839	57.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	141475	26.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	173169	26.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	111764	26.457	ug/L	95
3) Chloromethane	2.21	50	105503	25.149	ug/L	97
5) Vinyl chloride	2.37	62	139445	25.045	ug/L	99
6) Bromomethane	2.78	94	85115	24.409	ug/L	99
8) Chloroethane	2.92	64	77543	24.733	ug/L	94
9) Trichlorofluoromethane	3.26	101	89415	22.498	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135409	24.109	ug/L	98
12) 1,1-Dichloroethene	4.03	96	130353	24.287	ug/L	93
13) Acetone	4.14	43	49066	47.543	ug/L	97
14) Carbon disulfide	4.38	76	420861	24.981	ug/L	99
15) Methyl Acetate	4.67	43	61892	25.505	ug/L	98
16) Methylene chloride	4.92	84	147733	22.374	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	191754	25.212	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137392	24.336	ug/L	93
19) 1,1-Dichloroethane	6.21	63	239483	23.975	ug/L	99
21) 2-Butanone	7.17	43	78981	48.287	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	145129	24.368	ug/L	99

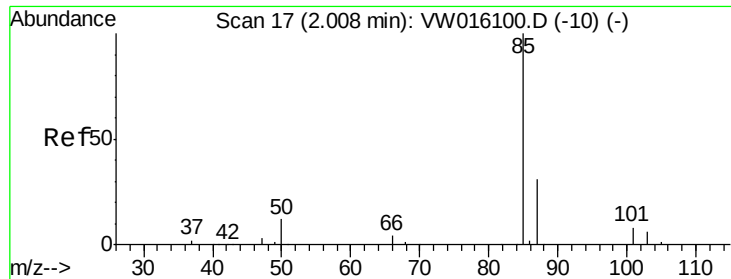
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 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 01:14:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66559	24.350	ug/L	98
25) Chloroform	7.68	83	251643	23.679	ug/L	100
27) 1,2-Dichloroethane	8.40	62	169527	23.948	ug/L	100
30) Cyclohexane	7.95	56	214907	24.507	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	211647	22.854	ug/L	100
32) Carbon tetrachloride	8.07	117	202080	23.071	ug/L	100
34) Benzene	8.32	78	553643	23.822	ug/L	100
35) Trichloroethene	9.09	95	145138	23.225	ug/L	100
36) Methylcyclohexane	9.34	83	244450	23.745	ug/L	99
40) 1,2-Dichloropropane	9.37	63	134957	23.646	ug/L	100
41) Bromodichloromethane	9.65	83	182325	23.255	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	212012	24.391	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	175810	51.214	ug/L	99
44) Toluene	10.39	91	585400	23.861	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	190424	24.388	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	104937	23.358	ug/L	96
47) Tetrachloroethene	10.87	164	106315	22.693	ug/L	97
49) 2-Hexanone	10.97	43	121684	52.532	ug/L	99
50) Dibromochloromethane	11.13	129	123602	23.359	ug/L	99
51) 1,2-Dibromoethane	11.24	107	104082	24.437	ug/L	99
52) Chlorobenzene	11.66	112	376900	23.218	ug/L	99
53) Ethylbenzene	11.73	91	678955	24.392	ug/L	98
54) m,p-Xylene	11.84	106	255425	24.394	ug/L	95
55) o-xylene	12.17	106	244744	24.815	ug/L	98
56) Styrene	12.18	104	423926	24.826	ug/L	96
57) Isopropylbenzene	12.46	105	654827	24.625	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	128700	24.552	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	95510	24.050	ug/L	99
62) Bromoform	12.35	173	66496	23.611	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	280534	23.848	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	287023	23.952	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	256893	23.819	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22679	23.980	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	181332	24.430	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	154781	25.729	ug/L	99
69) Naphthalene	15.37	128	359994	28.350	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	139955	25.607	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.457 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

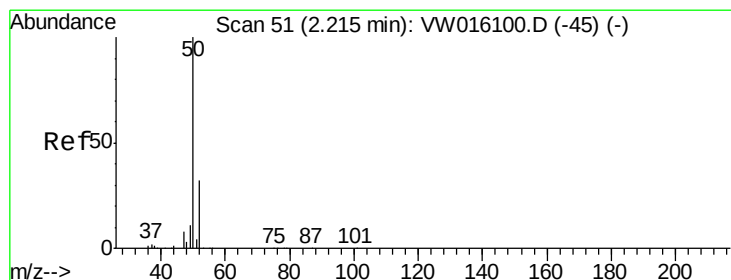
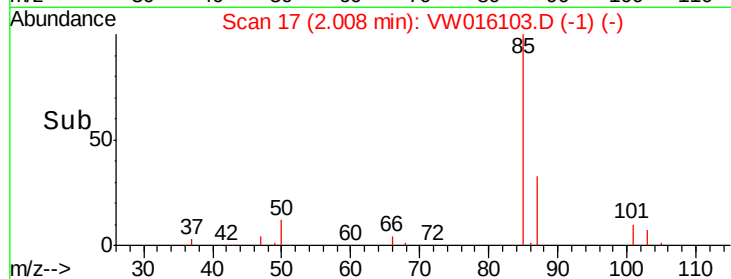
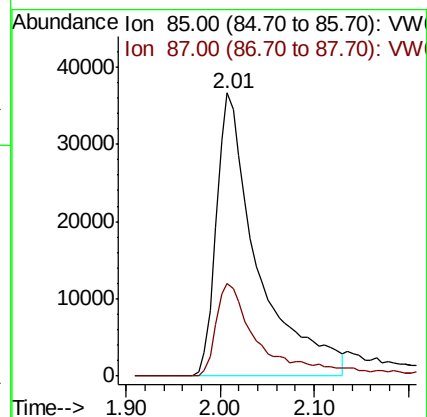
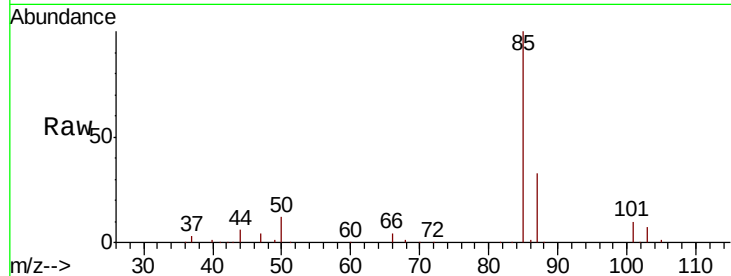
ClientSampleId :

Tot Ion: 85 Resp: 111764

Ion Ratio Lower Upper

85 100

87 28.5 22.0 41.0



#3

Chloromethane

Concen: 25.149 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016103.D

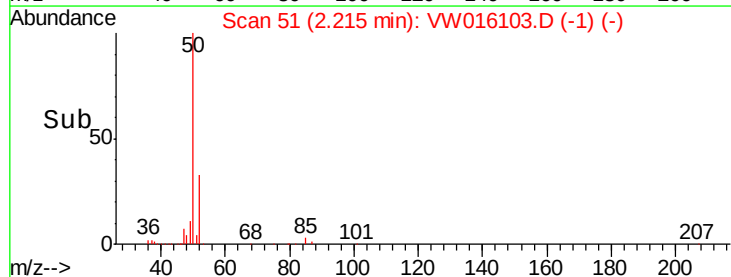
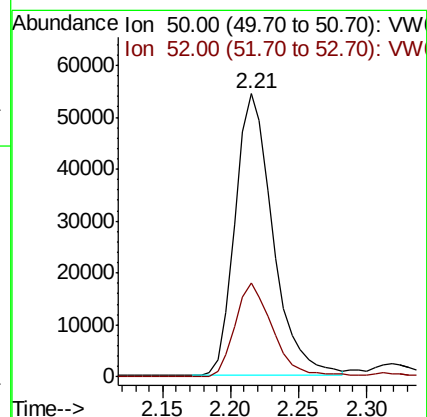
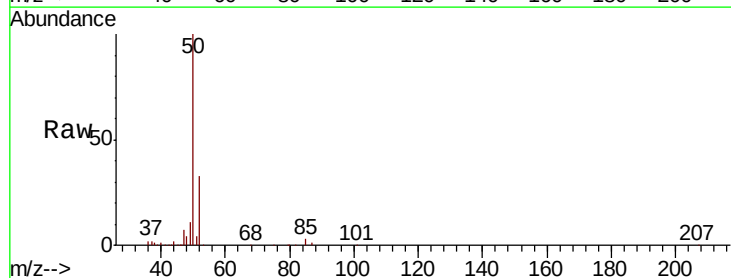
Acq: 10 Aug 2020 14:19

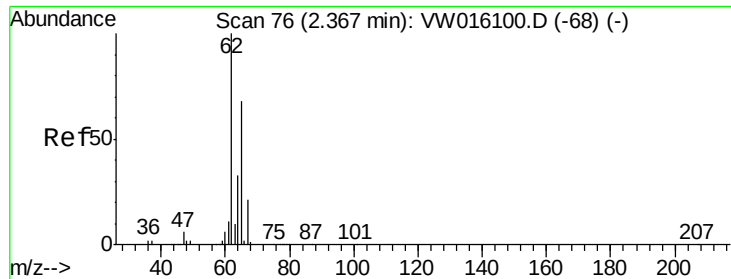
Tgt Ion: 50 Resp: 105503

Ion Ratio Lower Upper

50 100

52 33.0 22.0 40.8





#5

Vinyl chloride

Concen: 25.045 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

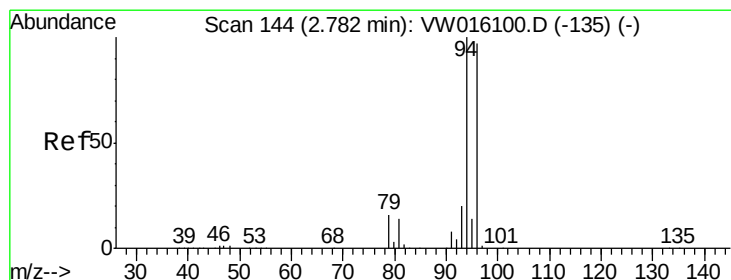
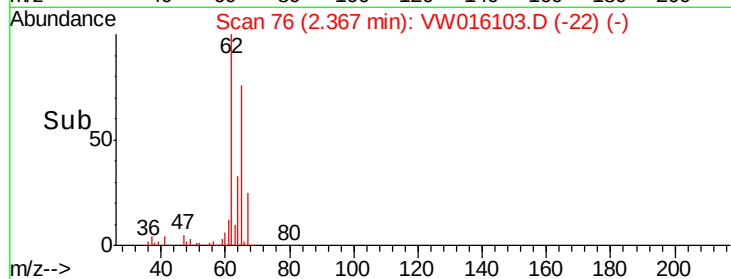
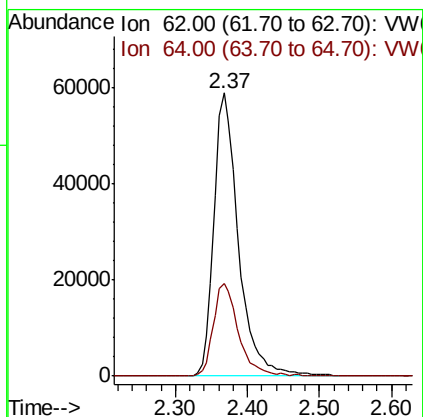
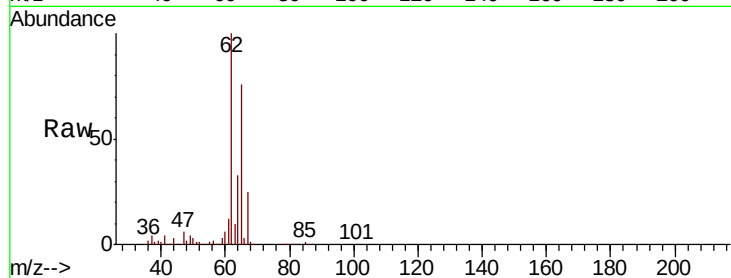
ClientSampled :

Tot Ion: 62 Resp: 139445

Ion Ratio Lower Upper

62 100

64 32.5 23.0 42.8



#6

Bromomethane

Concen: 24.409 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW016103.D

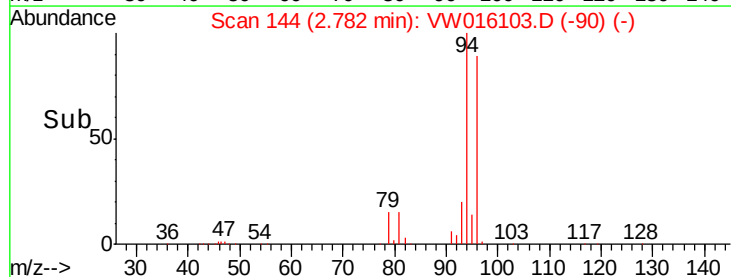
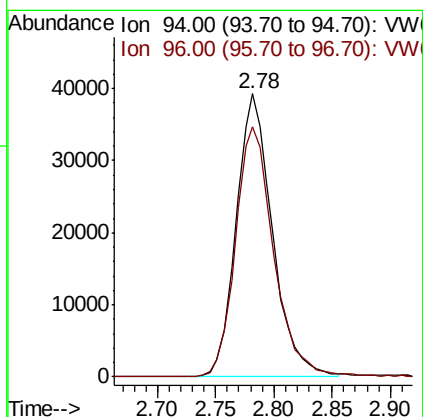
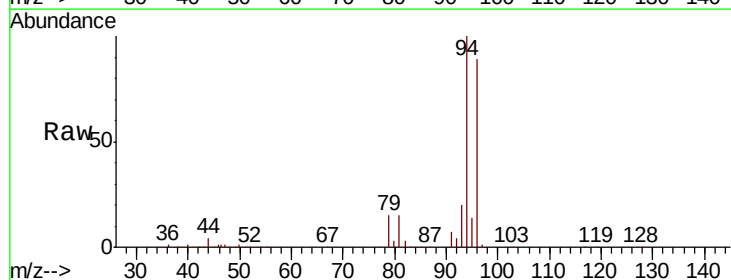
Acq: 10 Aug 2020 14:19

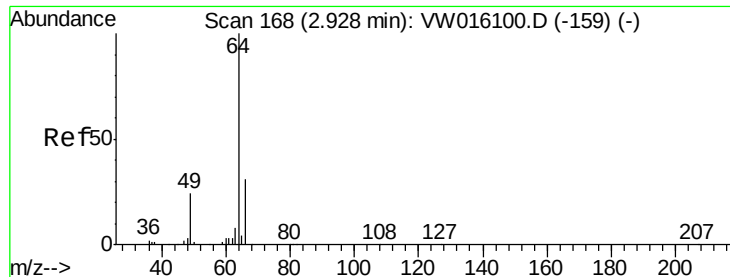
Tgt Ion: 94 Resp: 85115

Ion Ratio Lower Upper

94 100

96 93.3 9.4 178.2





#8

Chloroethane

Concen: 24.733 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

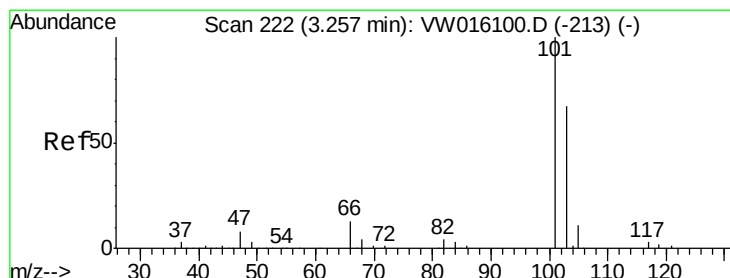
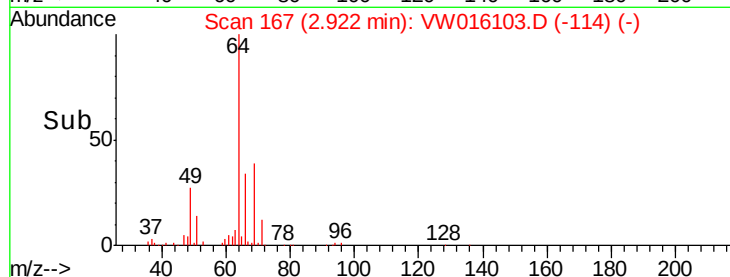
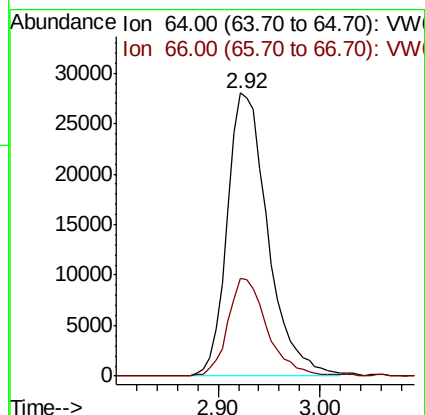
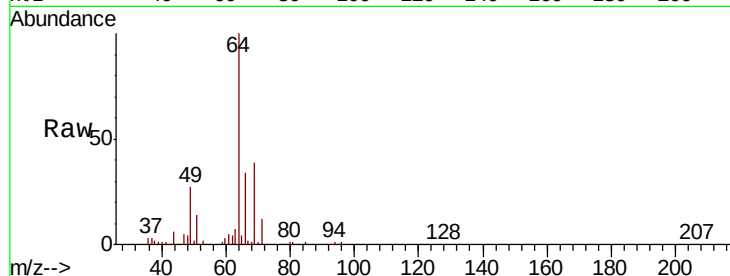
ClientSampleId :

Tot Ion: 64 Resp: 77543

Ion Ratio Lower Upper

64 100

66 34.4 21.8 40.4



#9

Trichlorofluoromethane

Concen: 22.498 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016103.D

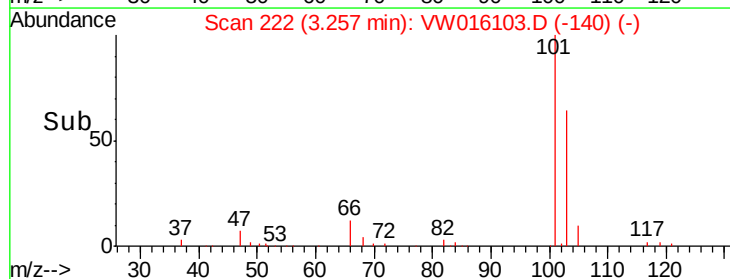
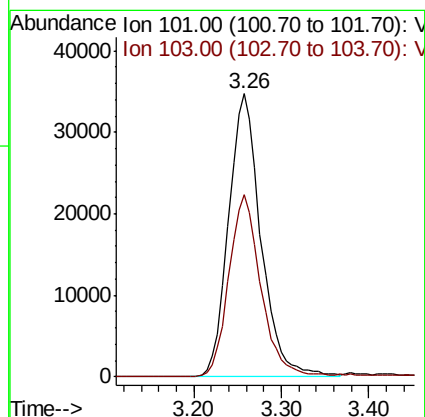
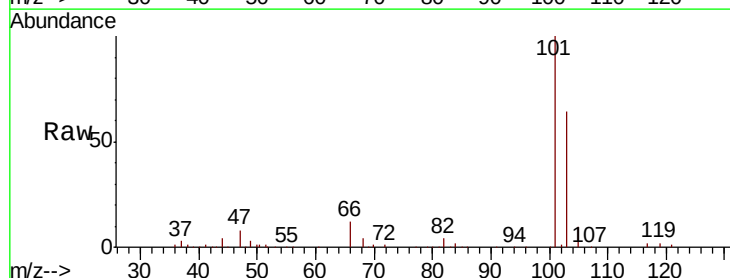
Acq: 10 Aug 2020 14:19

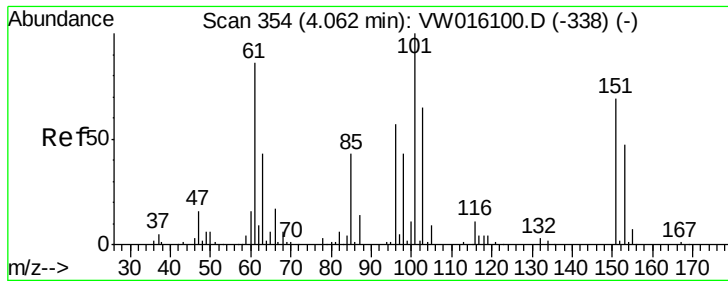
Tgt Ion:101 Resp: 89415

Ion Ratio Lower Upper

101 100

103 63.3 45.6 84.6





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.109 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampleId :

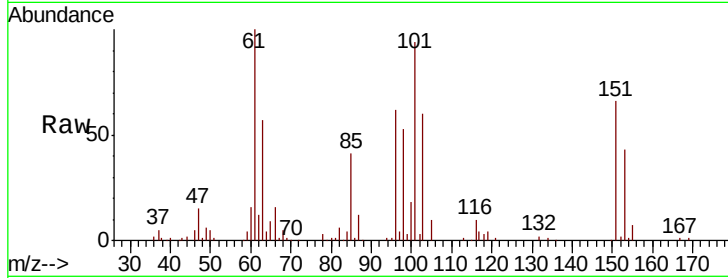
Tot Ion:101 Resp: 135409

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.4

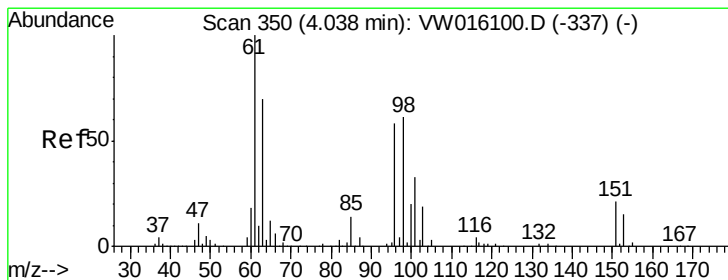
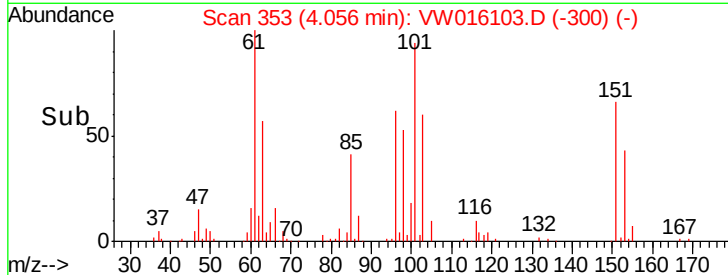
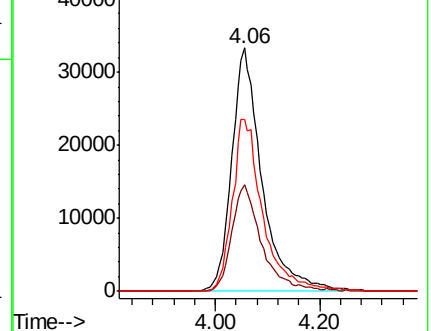
151 69.0 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.287 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

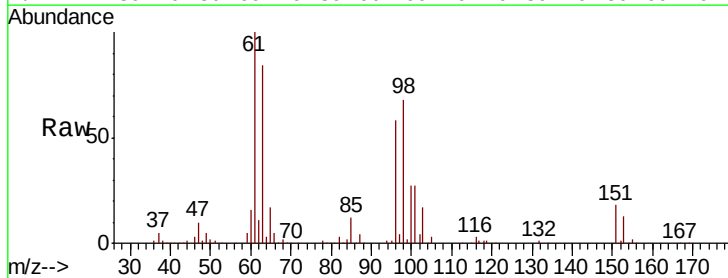
Tgt Ion: 96 Resp: 130353

Ion Ratio Lower Upper

96 100

61 171.4 120.2 223.2

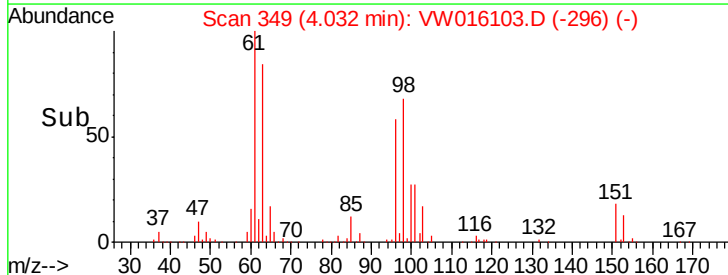
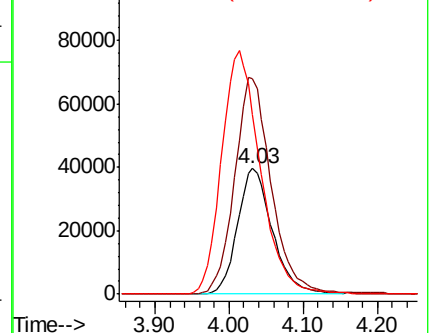
63 143.1 86.4 160.4

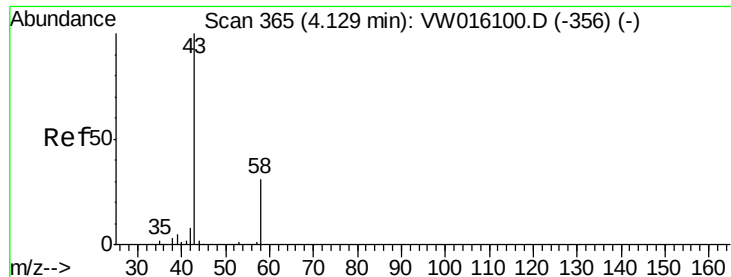


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.543 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

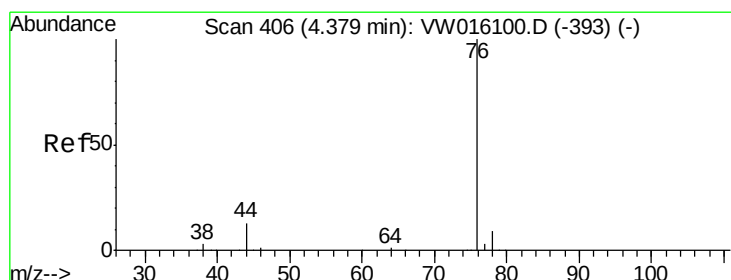
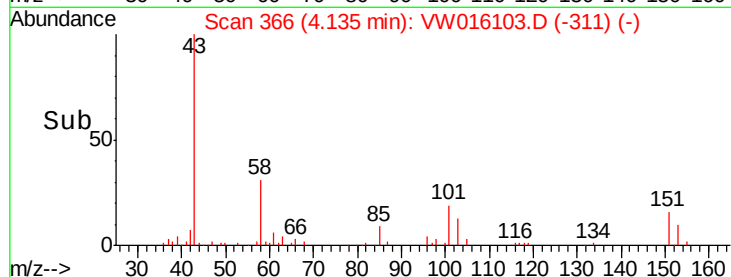
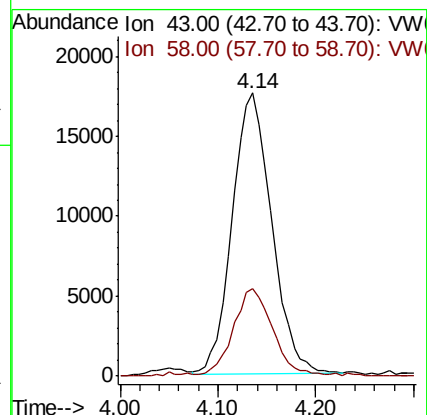
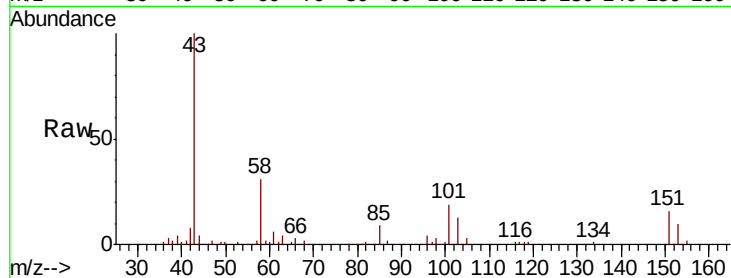
ClientSampled :

Tot Ion: 43 Resp: 49066

Ion Ratio Lower Upper

43 100

58 31.1 0.0 59.4



#14

Carbon disulfide

Concen: 24.981 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW016103.D

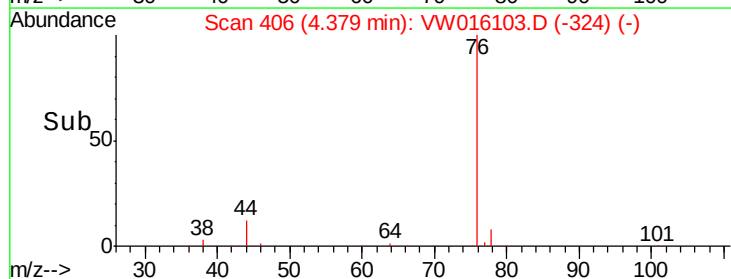
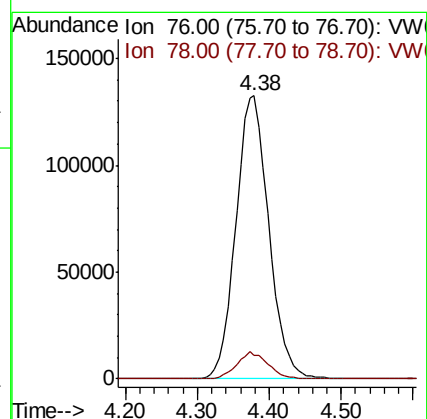
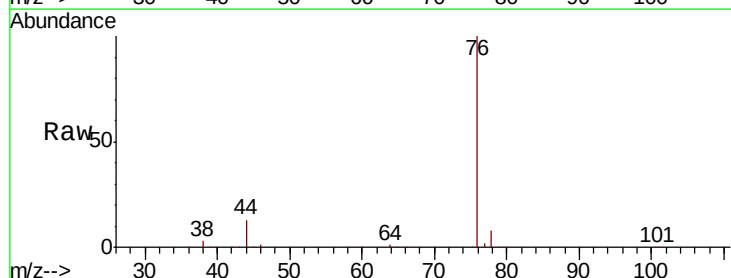
Acq: 10 Aug 2020 14:19

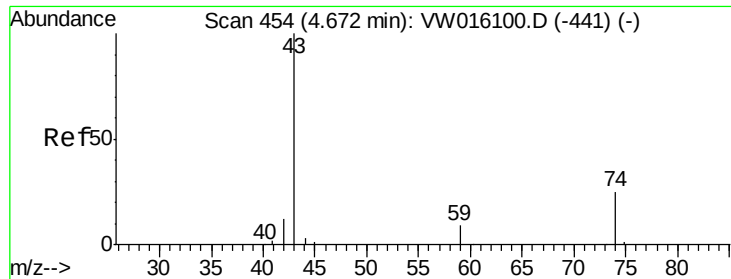
Tgt Ion: 76 Resp: 420861

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.4





#15

Methvl Acetate

Concen: 25.505 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

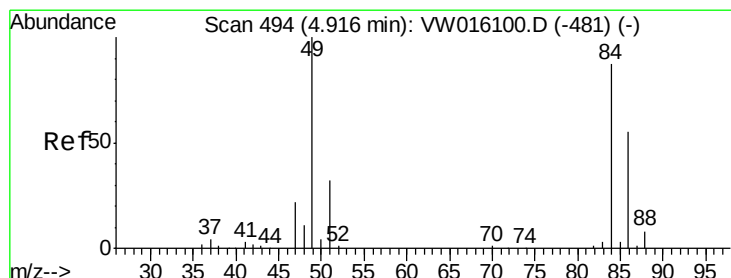
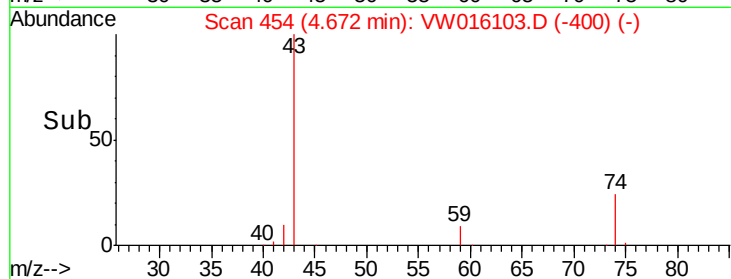
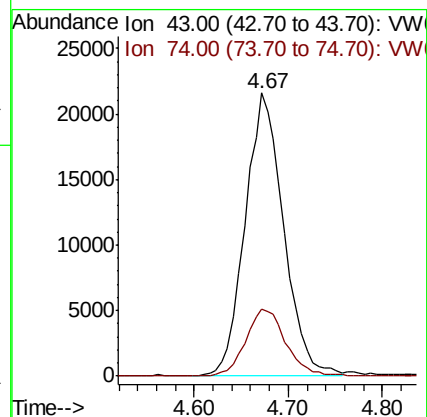
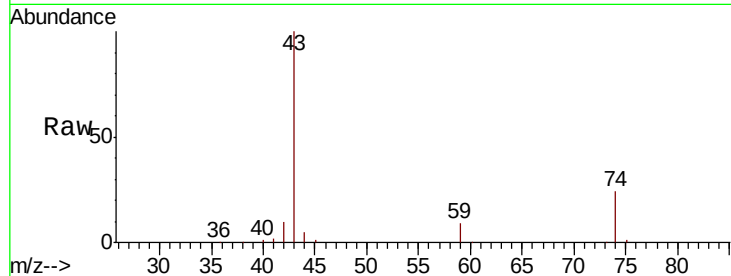
ClientSampled :

Tot Ion: 43 Resp: 61892

Ion Ratio Lower Upper

43 100

74 24.4 18.9 28.3



#16

Methylene chloride

Concen: 22.374 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

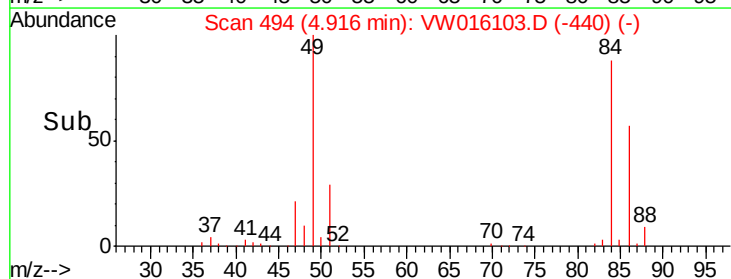
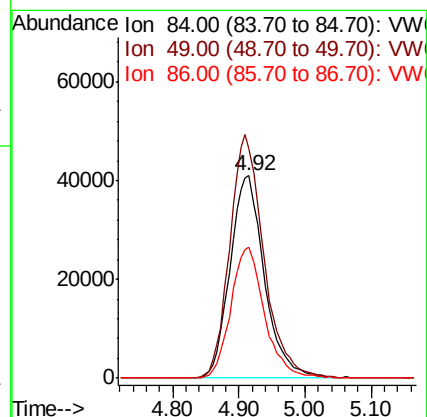
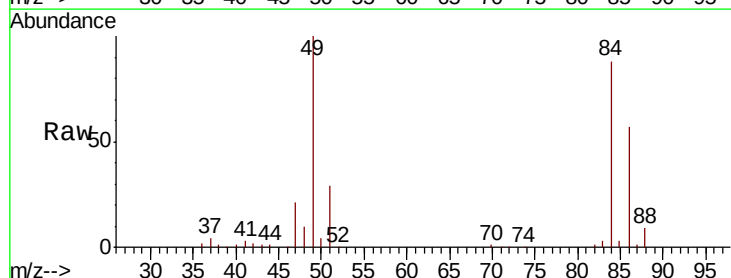
Tgt Ion: 84 Resp: 147733

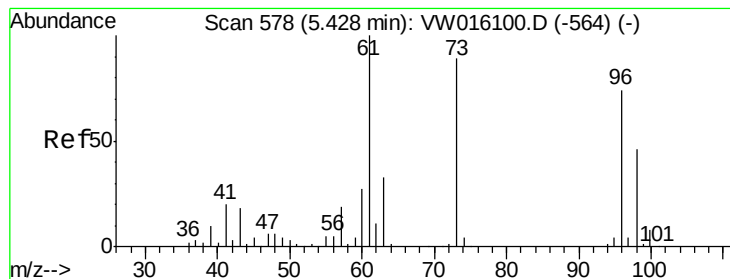
Ion Ratio Lower Upper

84 100

49 113.0 80.4 149.4

86 64.6 43.8 81.3





#17

Methyl tert-butyl Ether

Concen: 25.212 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampled :

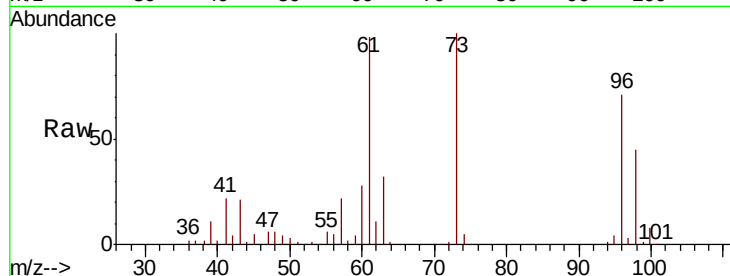
Tot Ion: 73 Resp: 191754

Ion Ratio Lower Upper

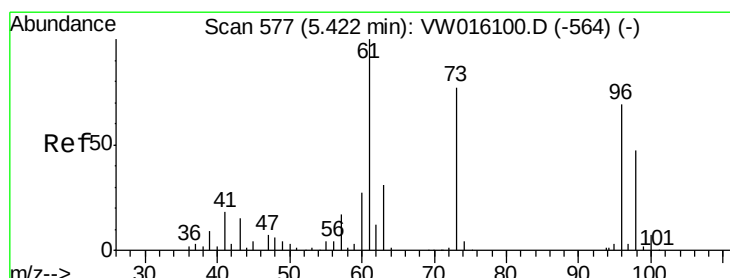
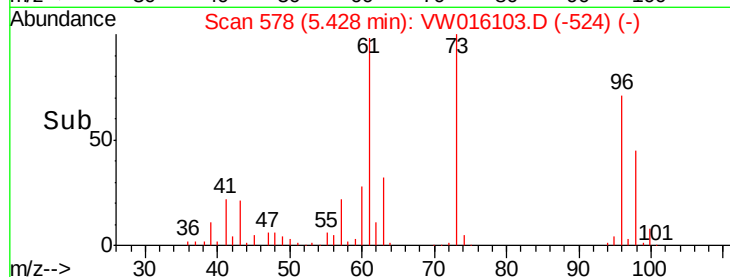
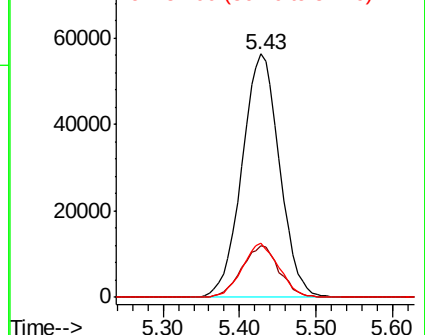
73 100

43 21.1 16.6 24.8

57 21.7 17.1 25.7



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



#18

trans-1,2-Dichloroethene

Concen: 24.336 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

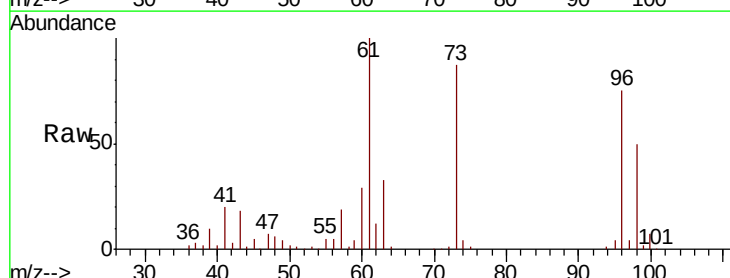
Tgt Ion: 96 Resp: 137392

Ion Ratio Lower Upper

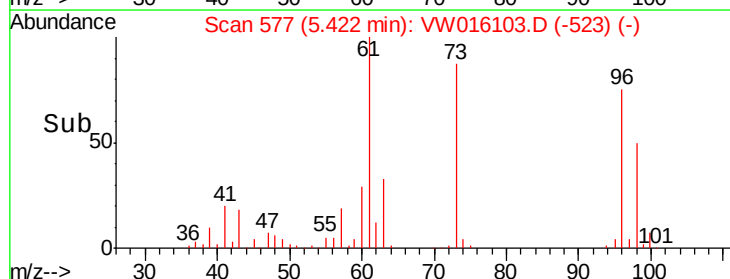
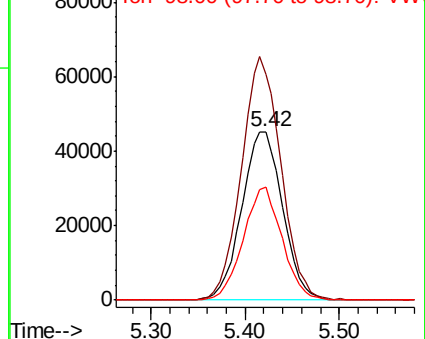
96 100

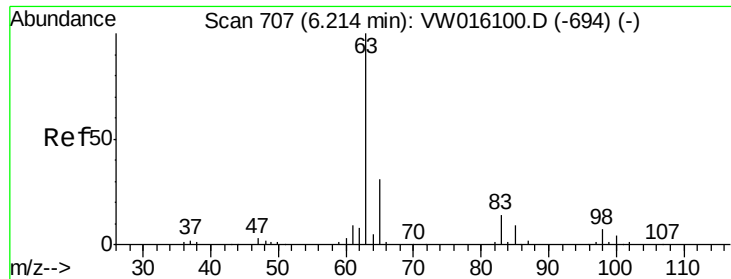
61 134.0 101.6 188.8

98 67.1 47.7 88.7



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

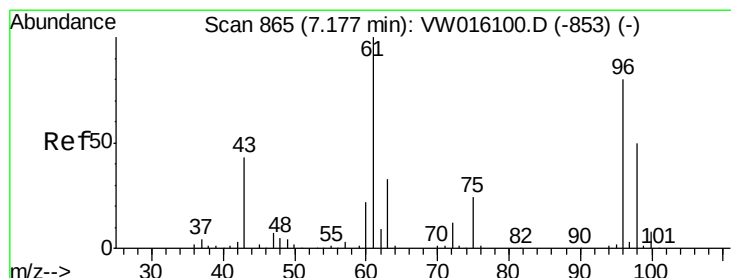
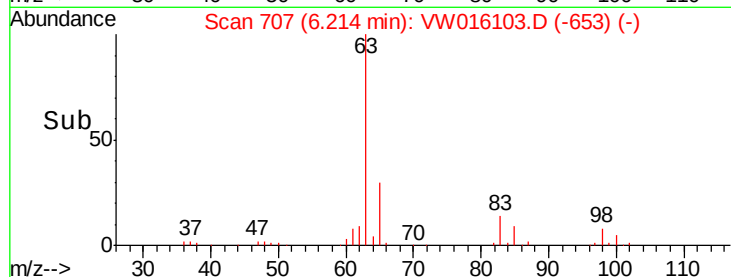
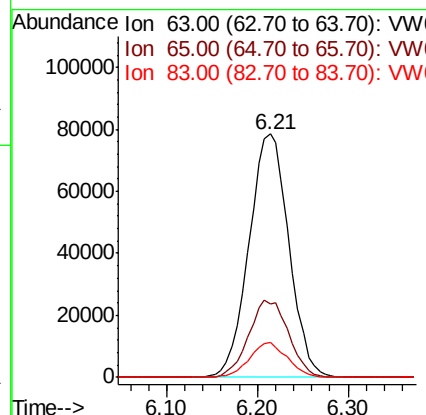
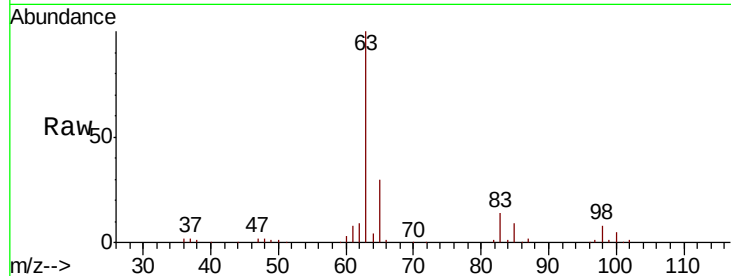




#19
 1,1-Dichloroethane
 Concen: 23.975 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

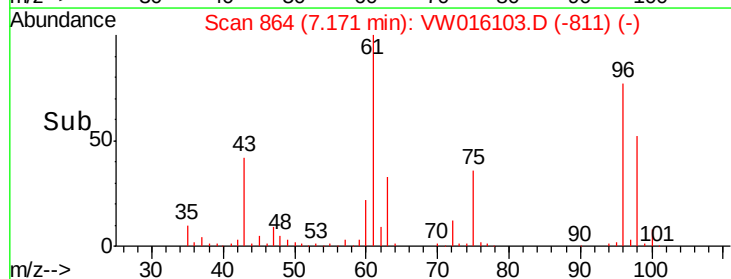
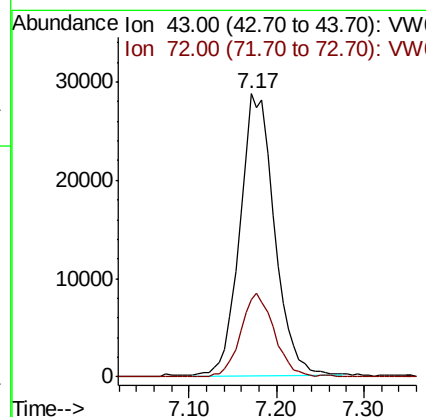
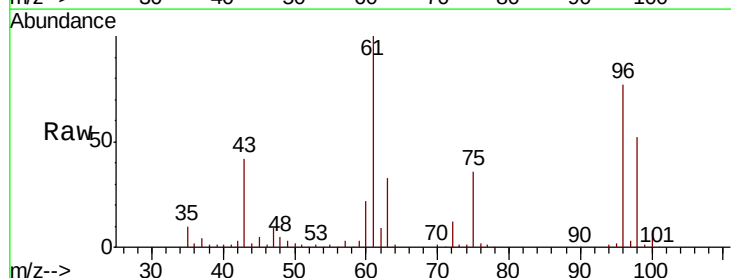
Instrument :
 MSVOA_W
 ClientSampleId :

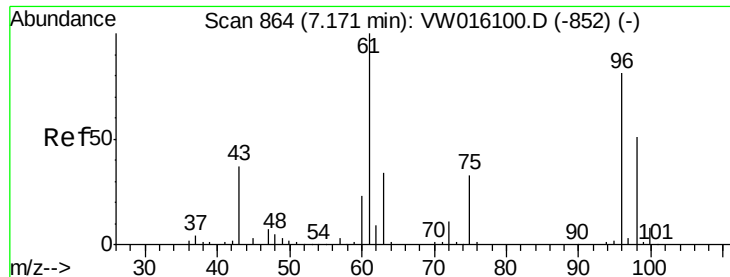
Tot Ion: 63 Resp: 239483
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.6 40.0
 83 14.4 9.8 18.2



#21
 2-Butanone
 Concen: 48.287 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Tgt Ion: 43 Resp: 78981
 Ion Ratio Lower Upper
 43 100
 72 28.7 13.9 41.7



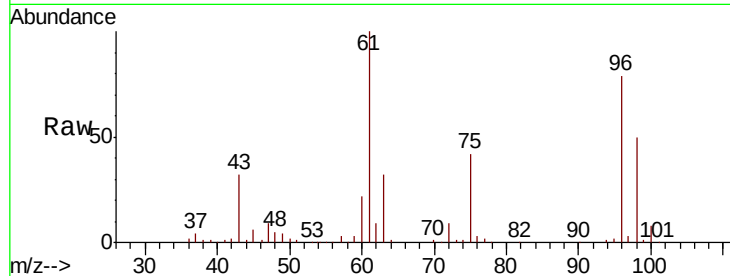


#22

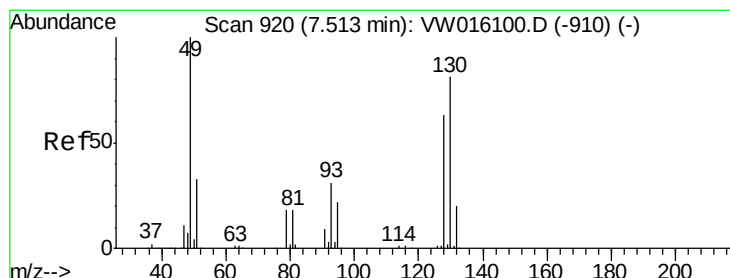
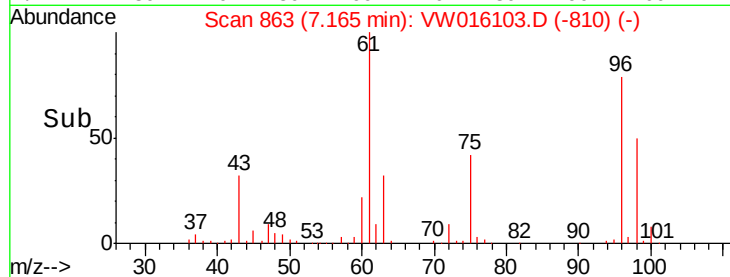
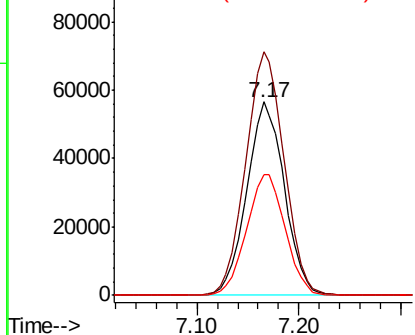
cis-1,2-Dichloroethene
 Concen: 24.368 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 96 Resp: 145129
 Ion Ratio Lower Upper
 96 100
 61 125.9 87.0 161.6
 98 62.3 44.0 81.6



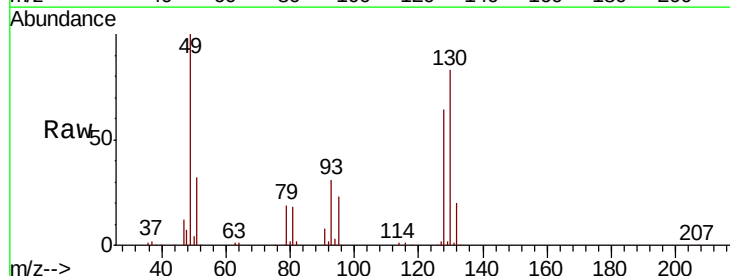
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



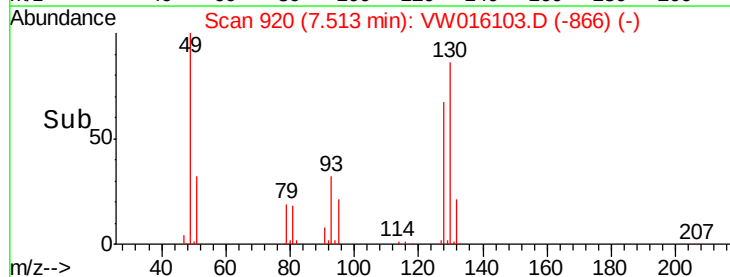
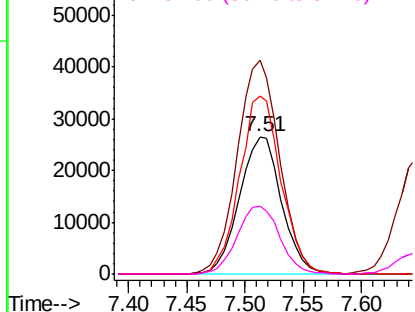
#23

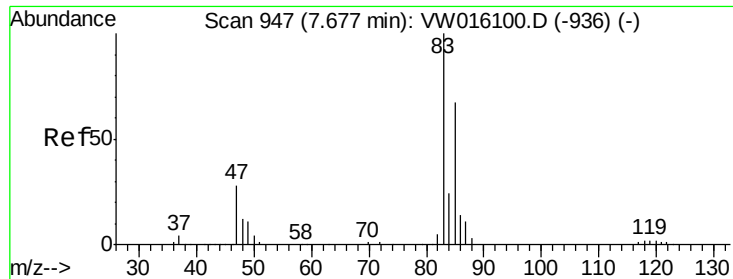
Bromochloromethane
 Concen: 24.350 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Tgt Ion: 128 Resp: 66559
 Ion Ratio Lower Upper
 128 100
 49 155.3 111.8 207.6
 130 129.0 90.6 168.3
 51 49.8 42.6 63.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

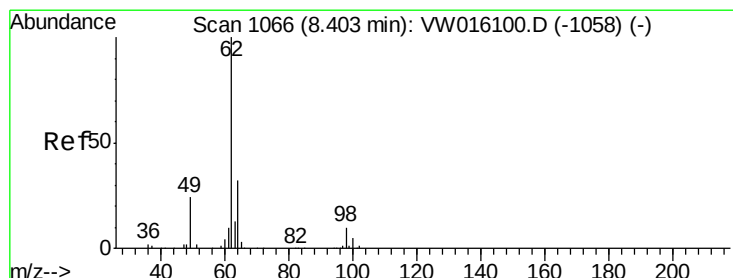
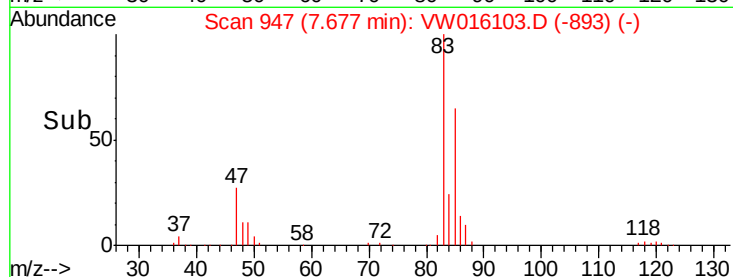
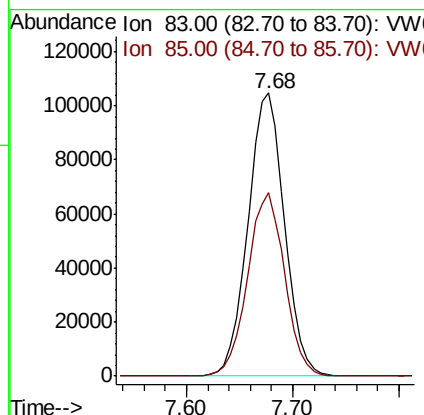
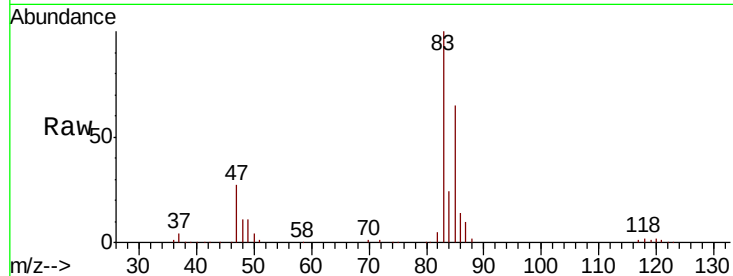




#25
Chloroform
Concen: 23.679 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

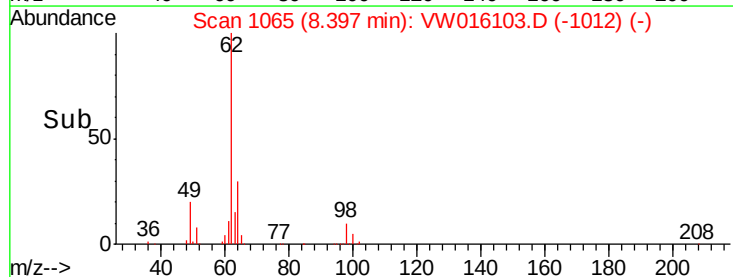
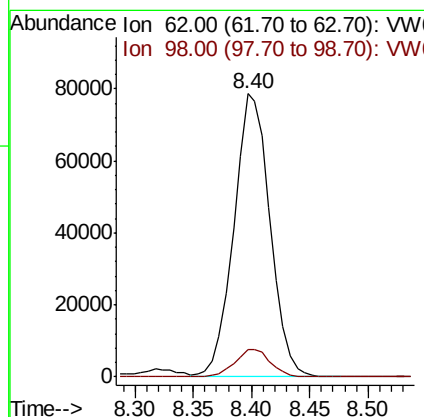
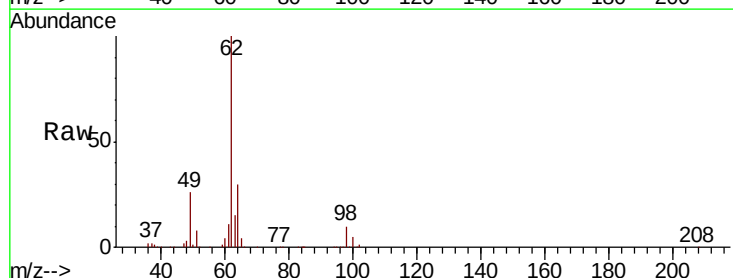
Instrument :
MSVOA_W
ClientSampleId :

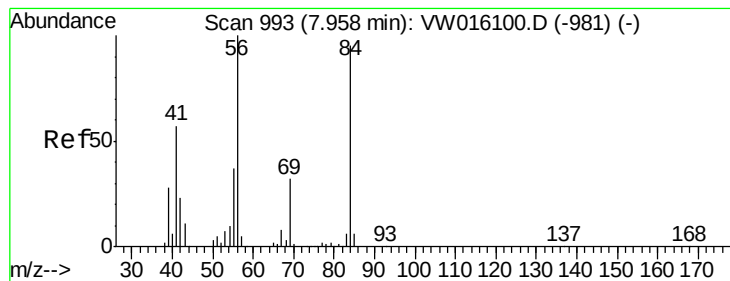
Tot Ion: 83 Resp: 251643
Ion Ratio Lower Upper
83 100
85 65.8 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.948 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

Tgt Ion: 62 Resp: 169527
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5





#30

Cyclohexane

Concen: 24.507 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampleId :

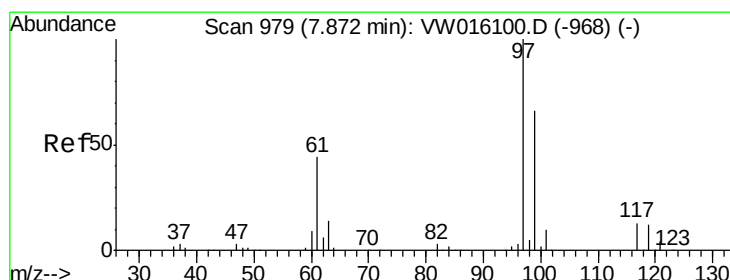
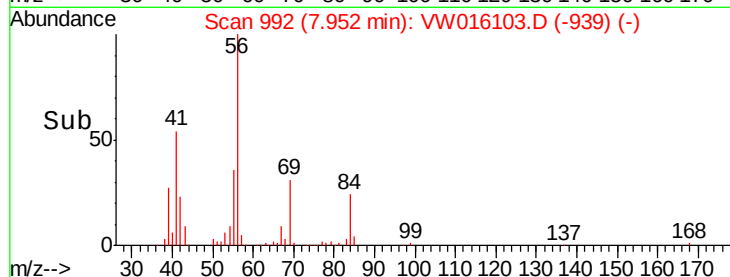
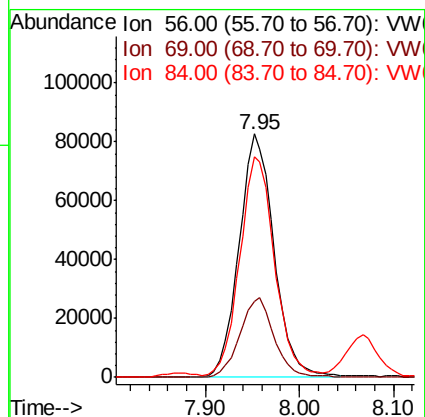
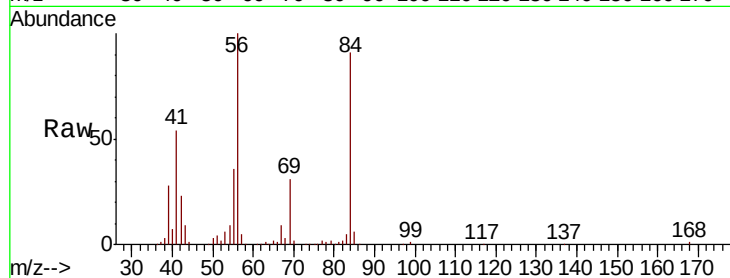
Tot Ion: 56 Resp: 214907

Ion Ratio Lower Upper

56 100

69 32.2 25.4 38.0

84 90.4 73.0 109.6



#31

1,1,1-Trichloroethane

Concen: 22.854 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

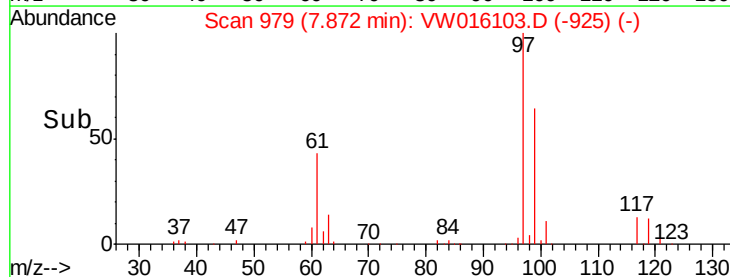
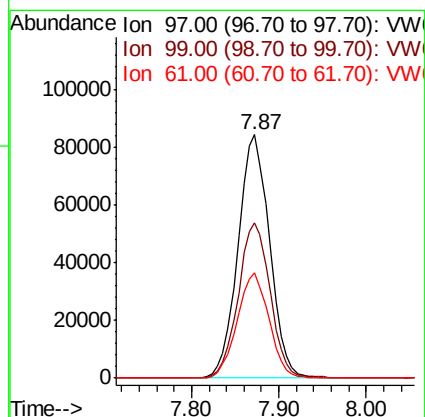
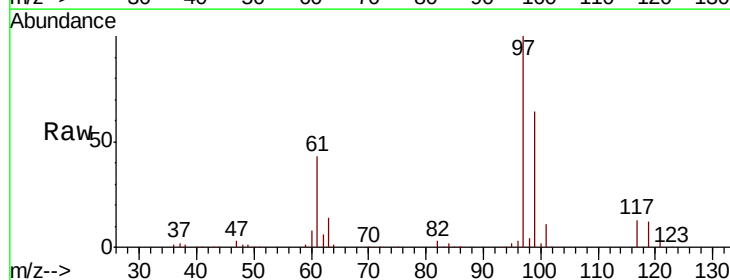
Tgt Ion: 97 Resp: 211647

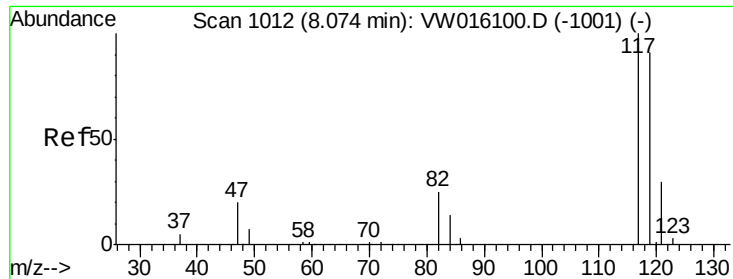
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 43.6 34.5 51.7





#32

Carbon tetrachloride

Concen: 23.071 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

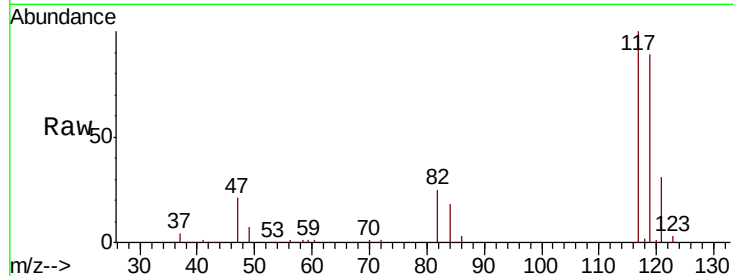
ClientSampleId :

Tot Ion:117 Resp: 202080

Ion Ratio Lower Upper

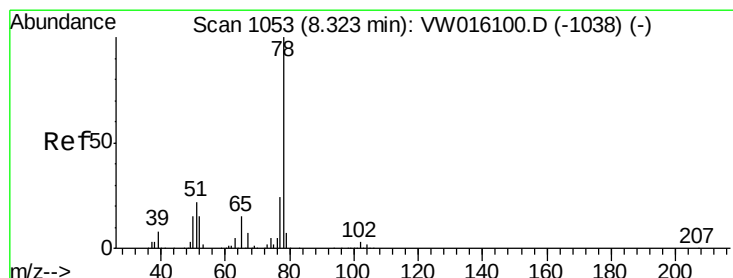
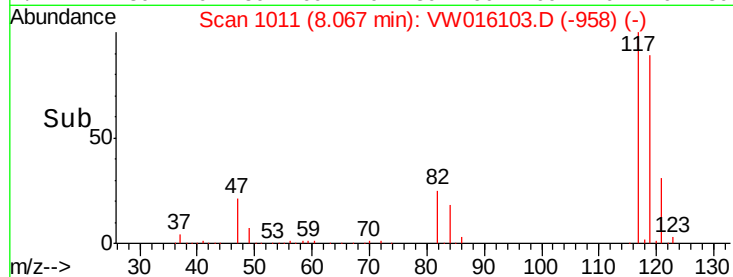
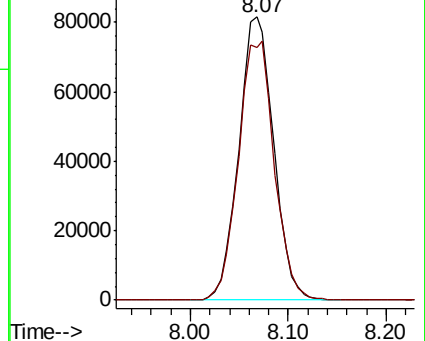
117 100

119 94.4 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.822 ug/L

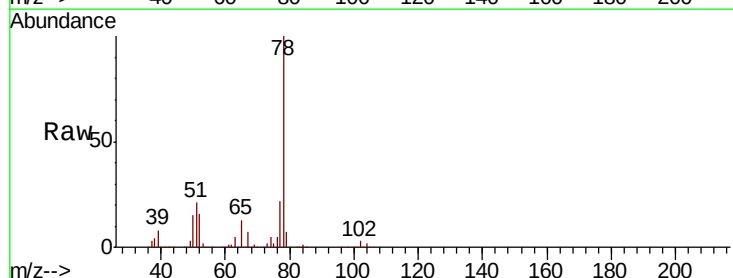
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

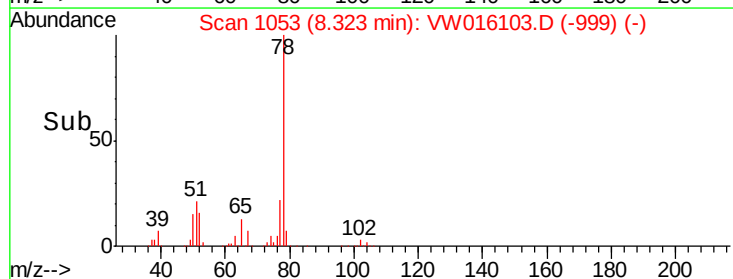
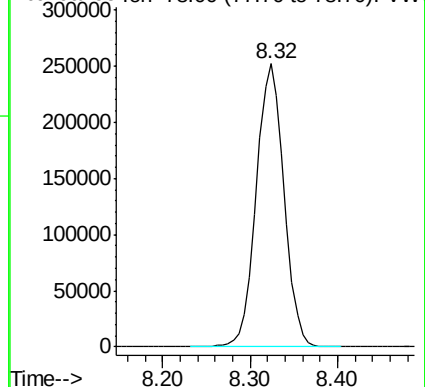
Lab File: VW016103.D

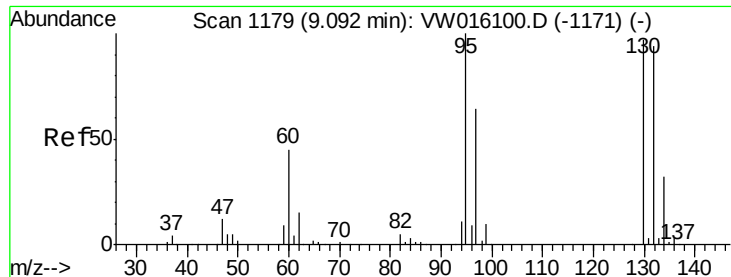
Acq: 10 Aug 2020 14:19

Tgt Ion: 78 Resp: 553643



Abundance Ion 78.00 (77.70 to 78.70): VW

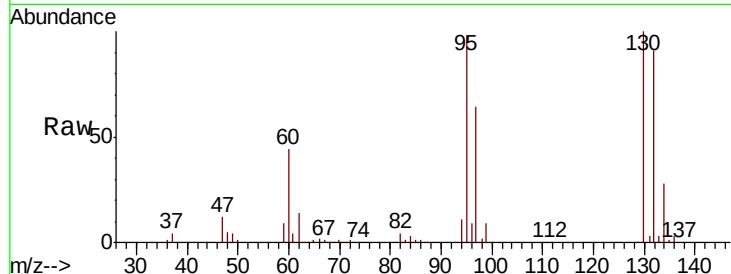




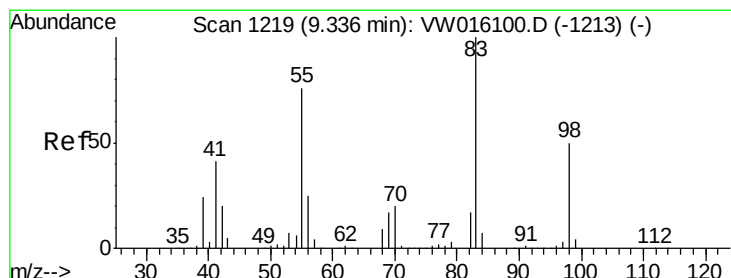
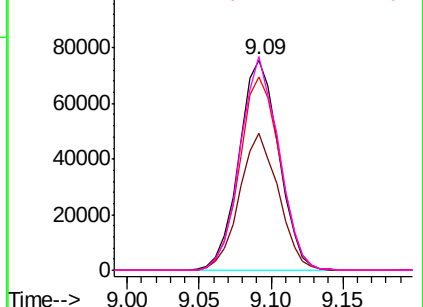
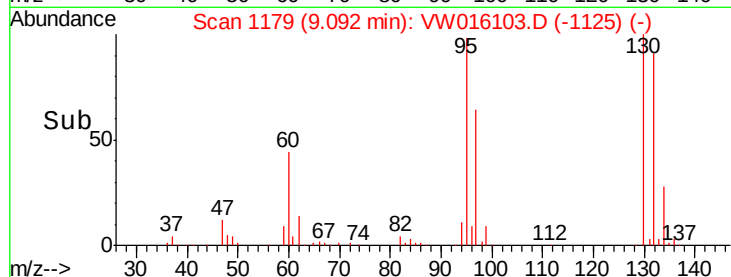
#35
 Trichloroethene
 Concen: 23.225 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	145138
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.9	83.3
132	93.7	65.8	122.2
130	98.7	69.5	129.1

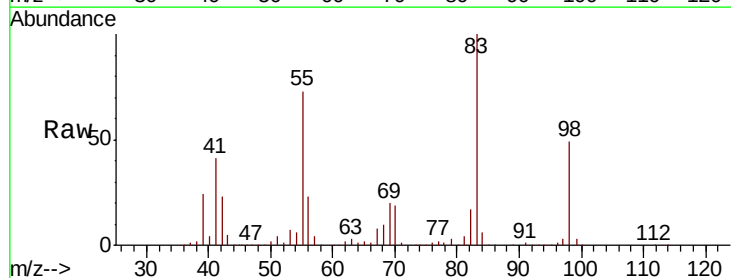


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

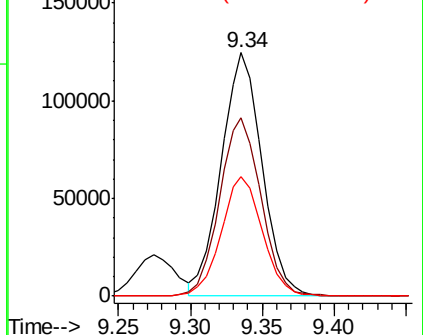
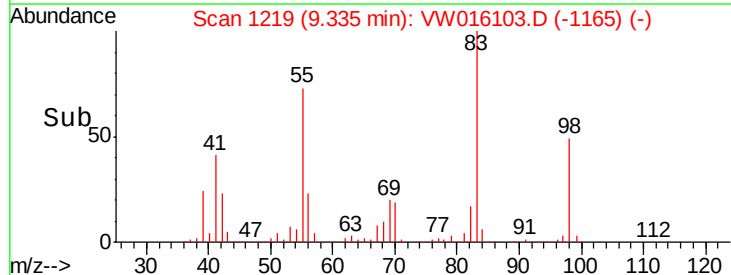


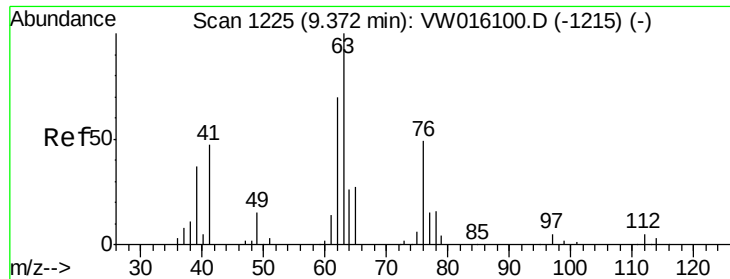
#36
 Methylcyclohexane
 Concen: 23.745 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Tgt Ion:	83	Resp:	244450
Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.7	91.1
98	50.3	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: 23.646 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

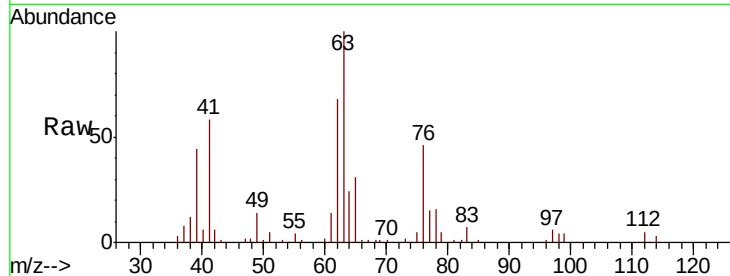
ClientSampleId :

Tot Ion: 63 Resp: 134957

Ion Ratio Lower Upper

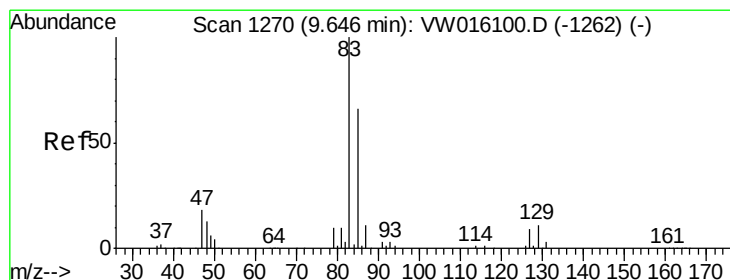
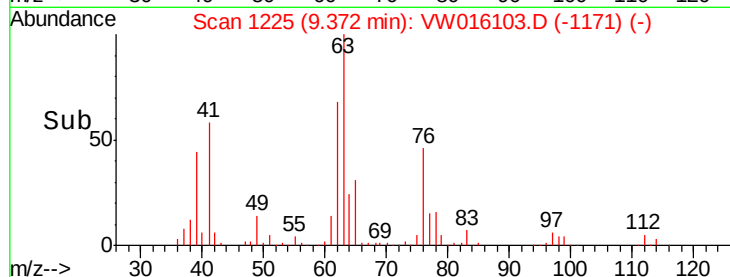
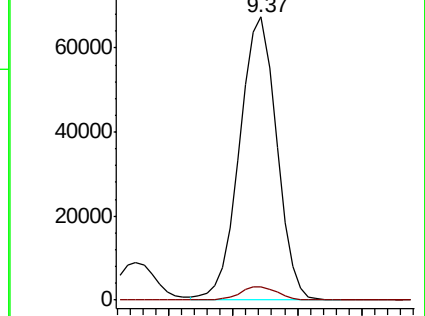
63 100

112 4.8 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.255 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

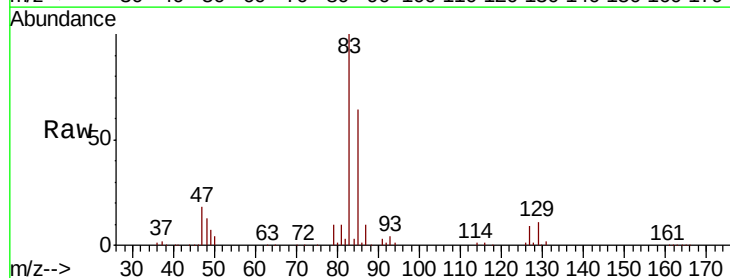
Tgt Ion: 83 Resp: 182325

Ion Ratio Lower Upper

83 100

85 63.8 46.1 85.5

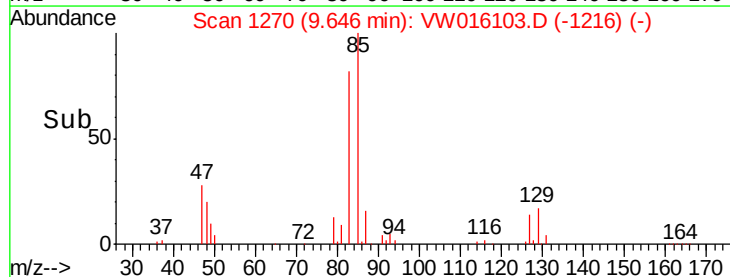
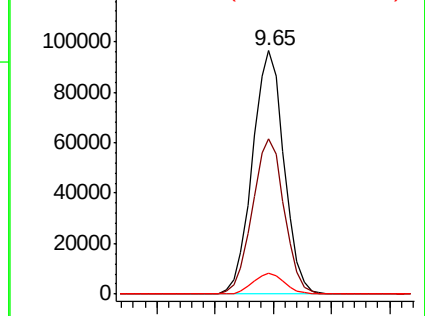
127 8.7 7.2 10.8

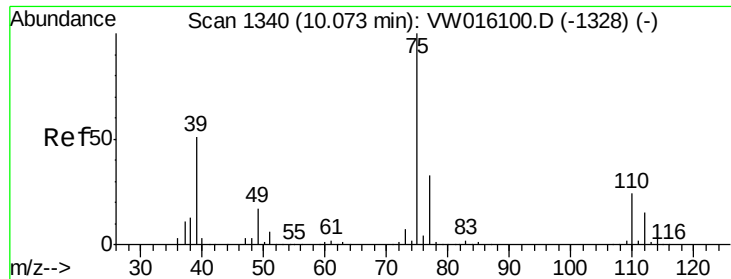


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.391 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

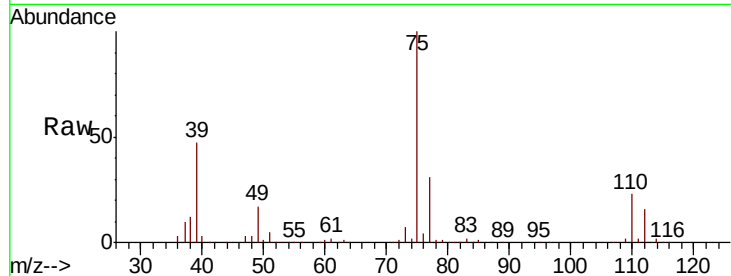
ClientSampleId :

Tot Ion: 75 Resp: 212012

Ion Ratio Lower Upper

75 100

77 31.3 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

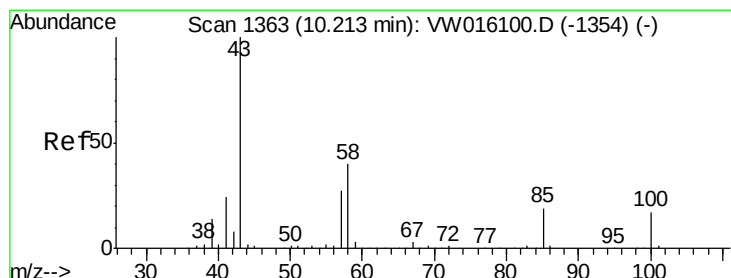
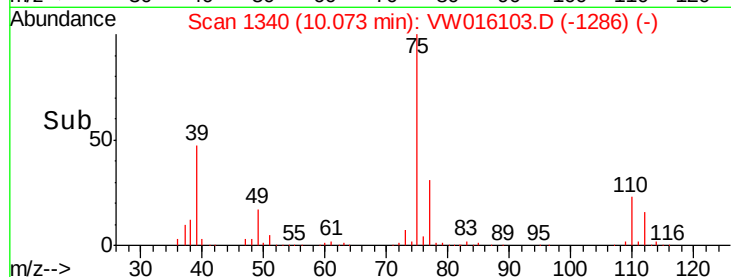
10.07

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 51.214 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

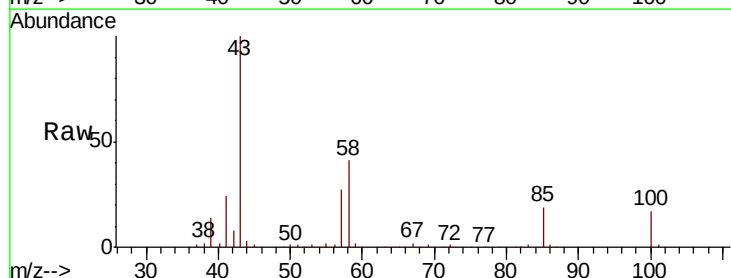
Tgt Ion: 43 Resp: 175810

Ion Ratio Lower Upper

43 100

58 39.4 32.1 48.1

100 17.1 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

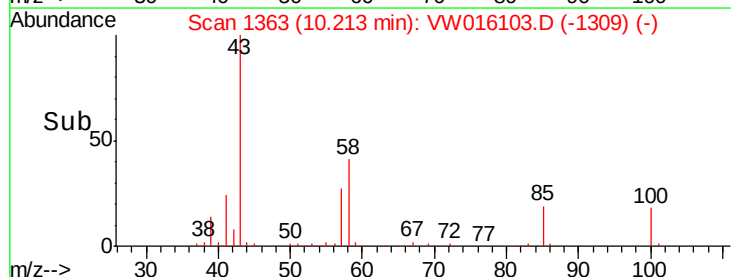
150000

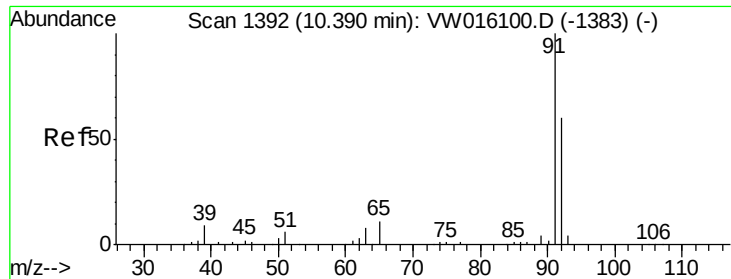
100000

50000

0

Time-->





#44

Toluene

Concen: 23.861 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

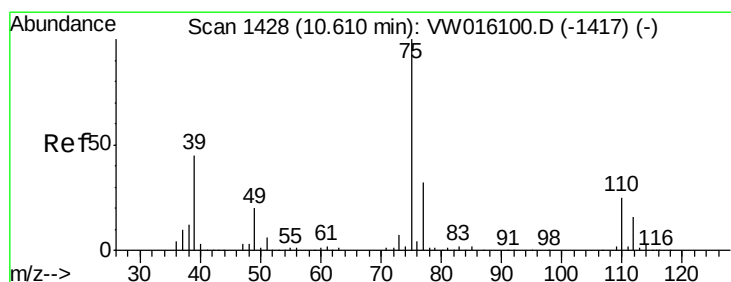
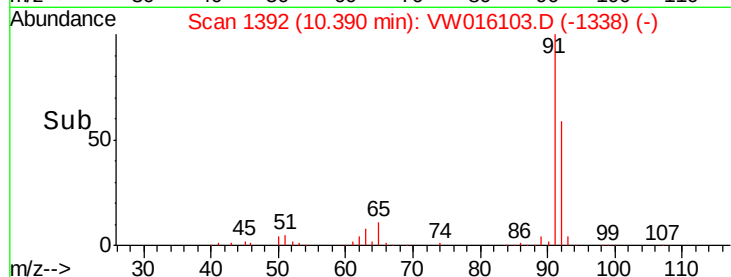
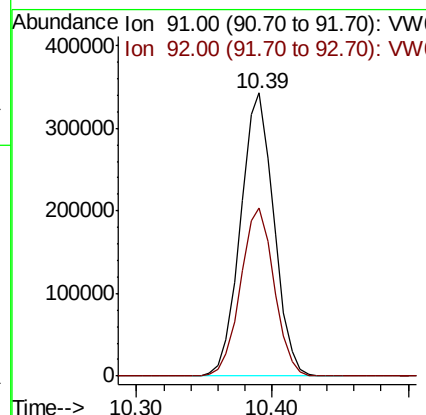
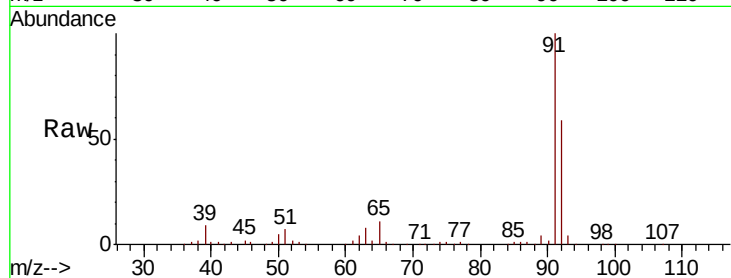
ClientSampleId :

Tot Ion: 91 Resp: 585400

Ion Ratio Lower Upper

91 100

92 59.5 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 24.388 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016103.D

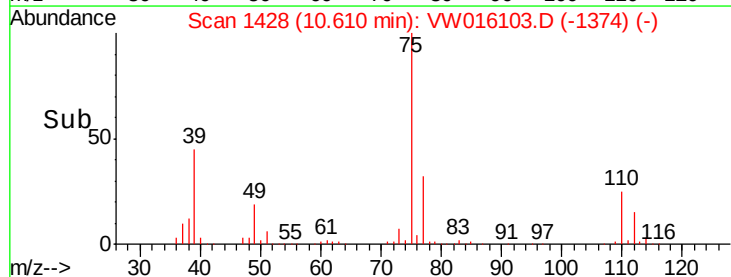
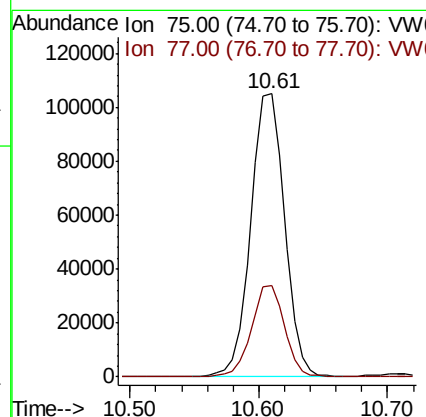
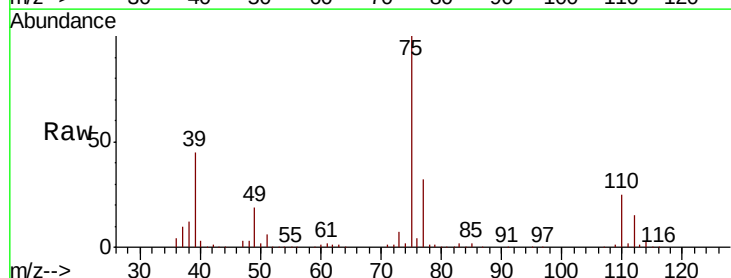
Acq: 10 Aug 2020 14:19

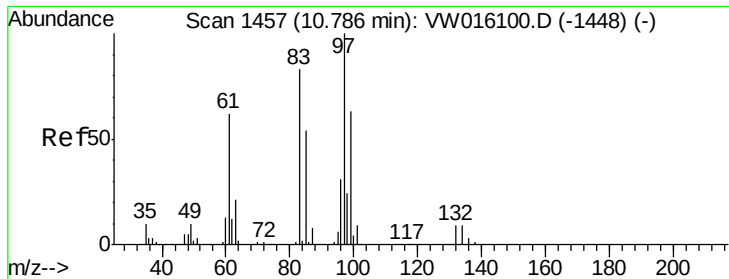
Tgt Ion: 75 Resp: 190424

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 23.358 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 104937

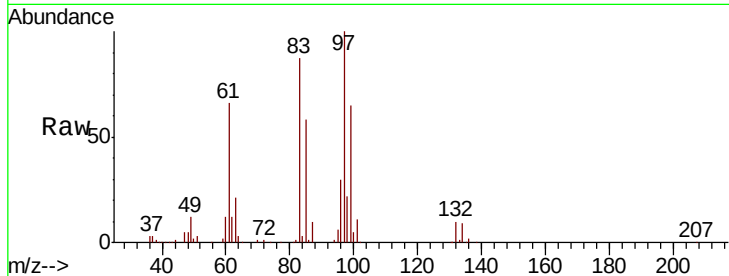
Ion Ratio Lower Upper

97 100

83 87.1 57.8 107.4

85 57.6 38.0 70.6

99 65.0 44.4 82.4



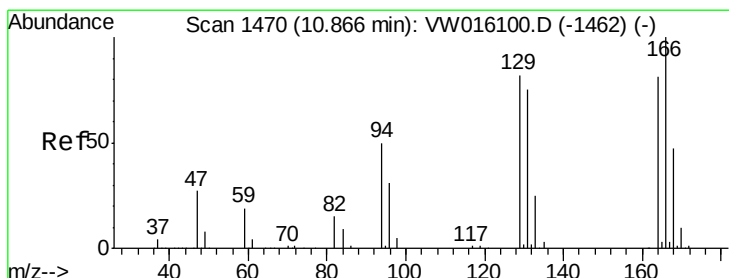
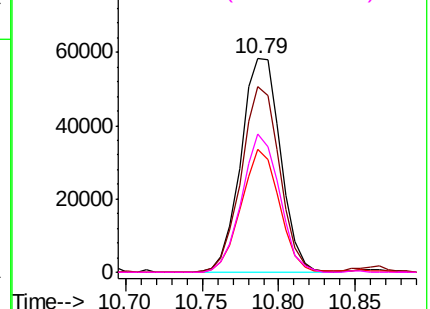
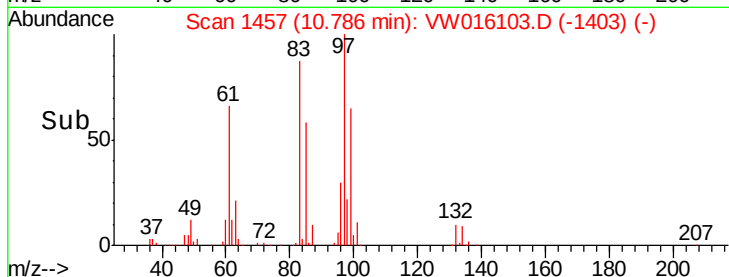
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.693 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Tgt Ion: 164 Resp: 106315

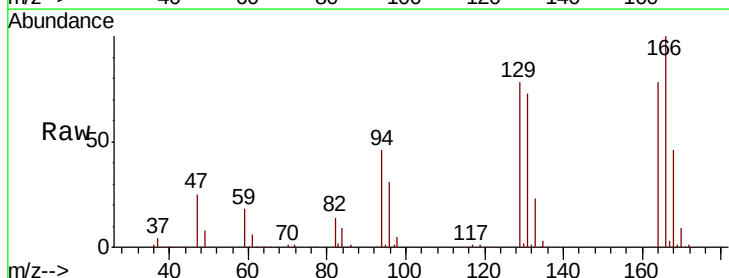
Ion Ratio Lower Upper

164 100

129 99.8 71.5 132.9

131 94.2 65.4 121.4

166 128.8 86.9 161.5



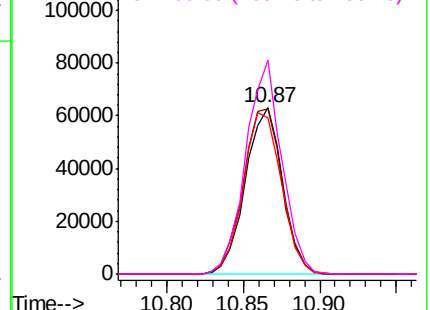
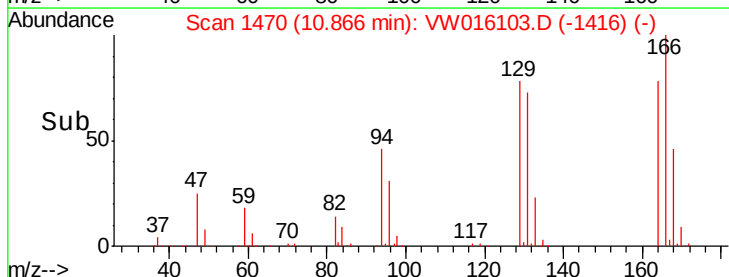
Abundance

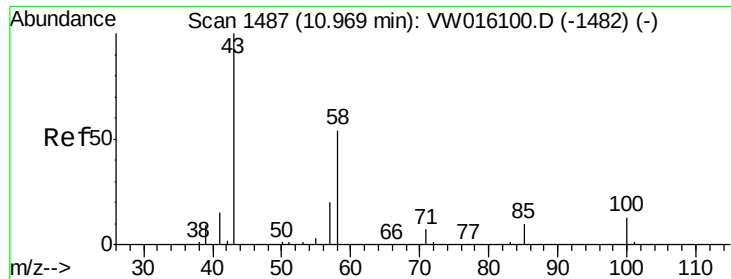
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

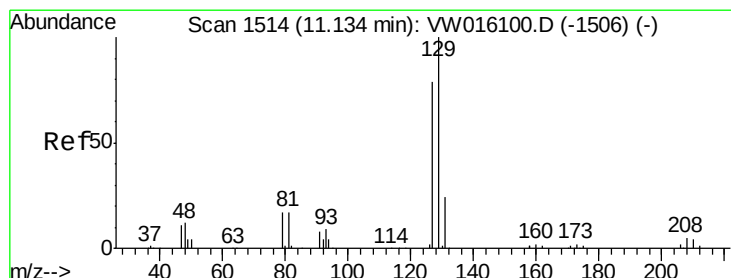
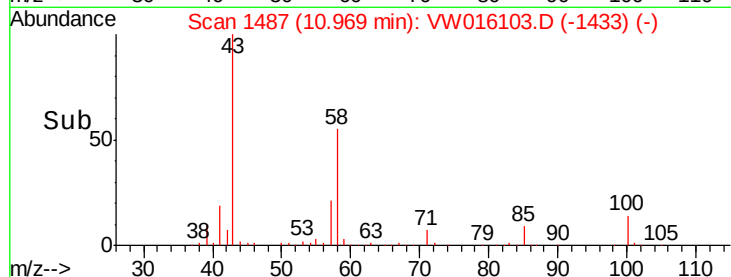
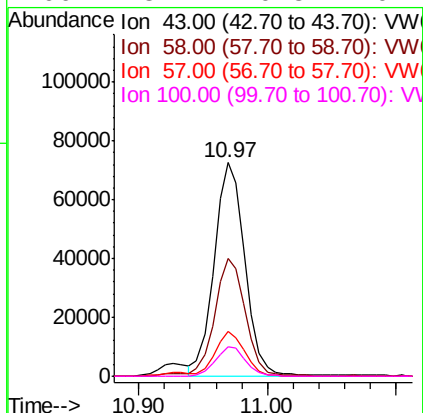
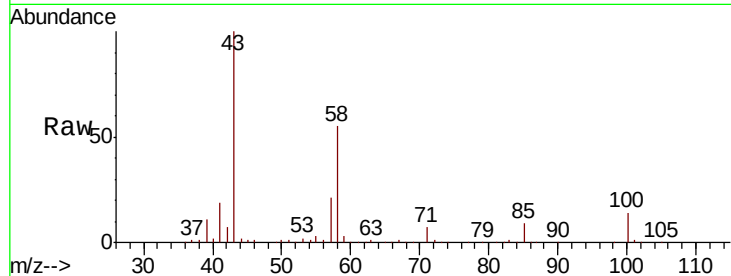




#49
2-Hexanone
Concen: 52.532 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

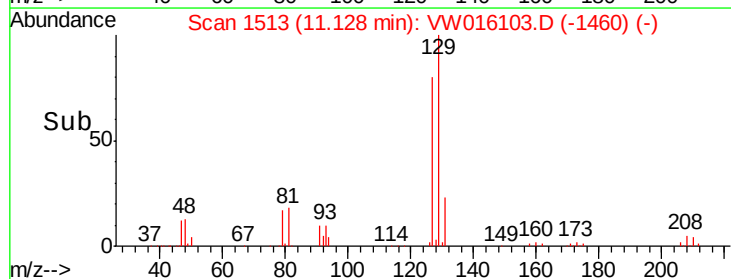
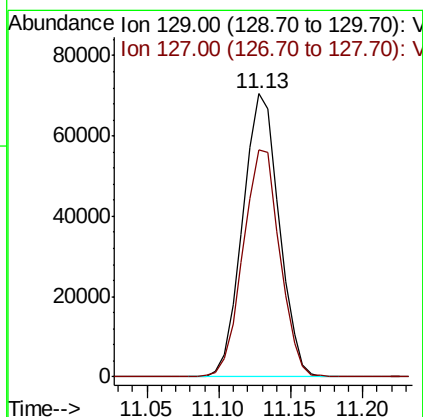
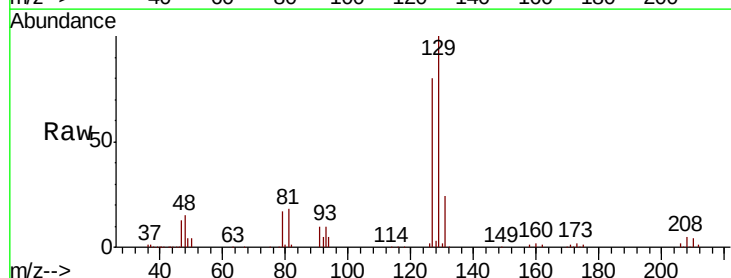
Instrument :
MSVOA_W
ClientSampleId :

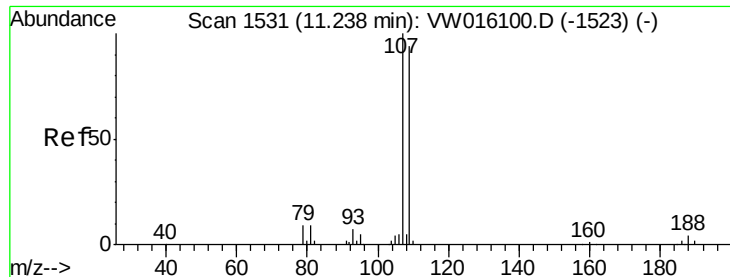
Tot Ion:	43	Resp:	121684
Ion	Ratio	Lower	Upper
43	100		
58	54.7	44.2	66.2
57	20.0	15.8	23.6
100	13.7	10.8	16.2



#50
Dibromochloromethane
Concen: 23.359 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

Tgt Ion:	129	Resp:	123602
Ion	Ratio	Lower	Upper
129	100		
127	80.0	55.4	102.8

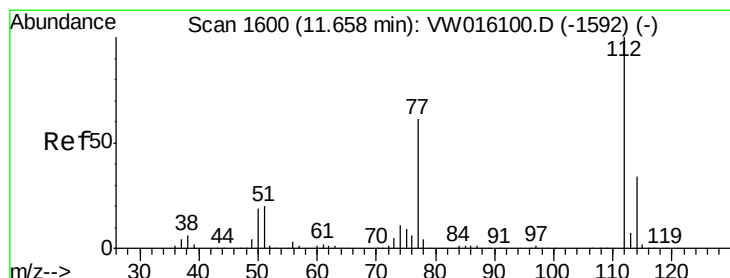
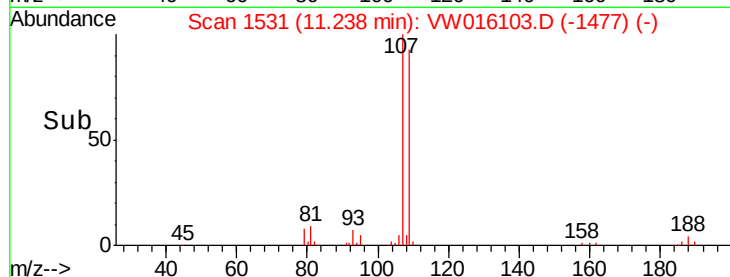
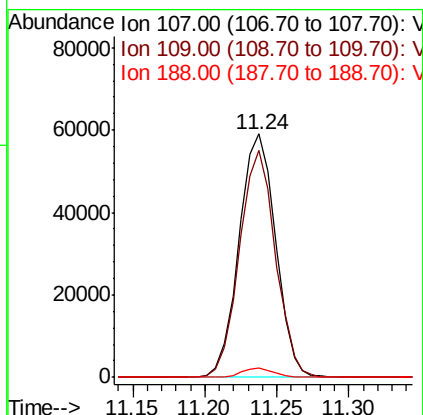
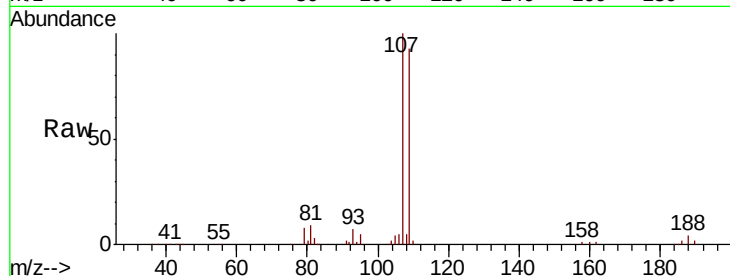




#51
 1,2-Dibromoethane
 Concen: 24.437 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

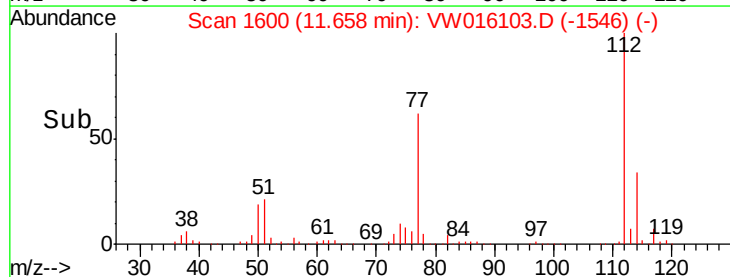
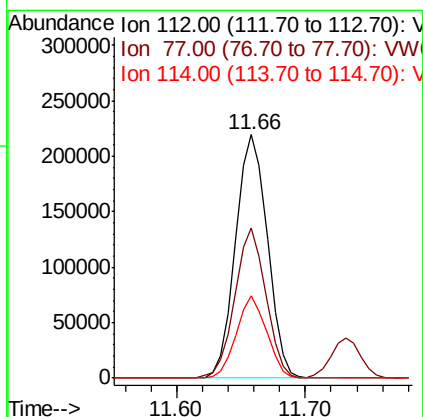
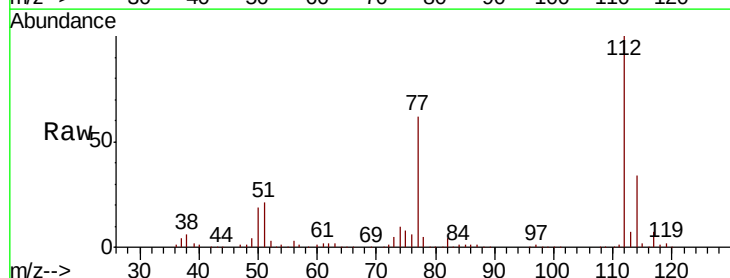
Instrument :
 MSVOA_W
 ClientSampleId :

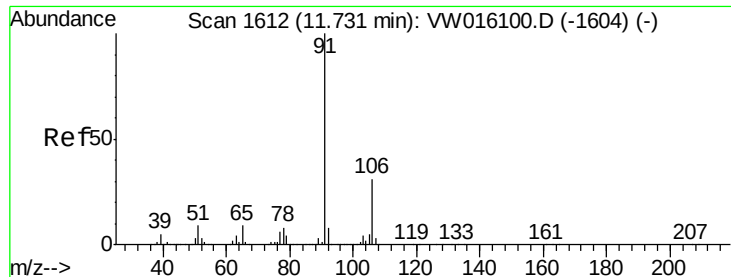
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	66.0	122.6
188	3.7	2.8	4.2



#52
 Chlorobenzene
 Concen: 23.218 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.8	49.1	73.7
114	34.0	23.5	43.7

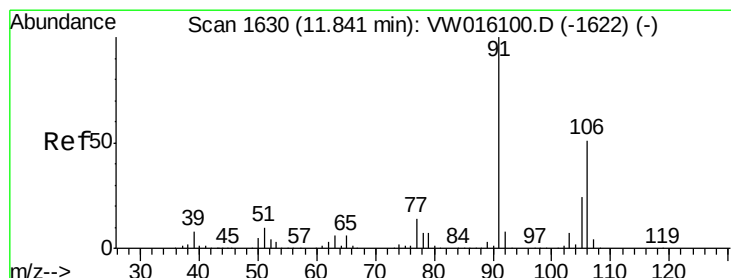
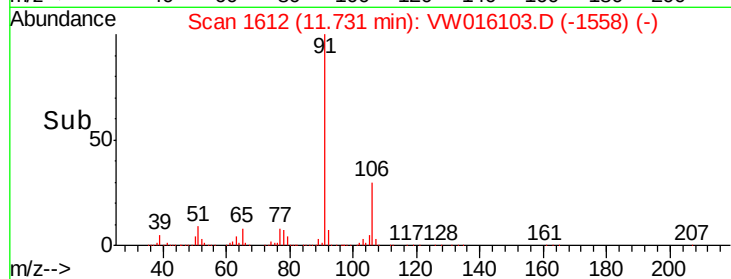
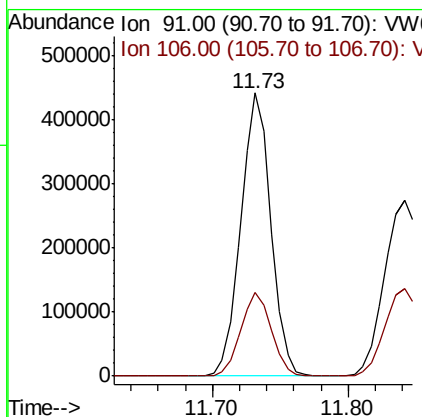
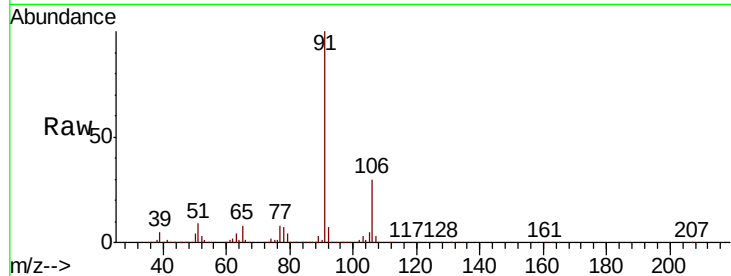




#53
Ethylbenzene
Concen: 24.392 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

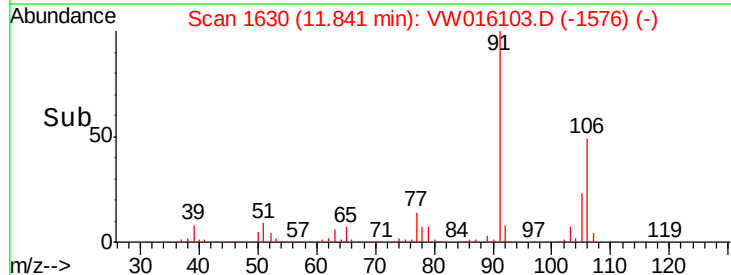
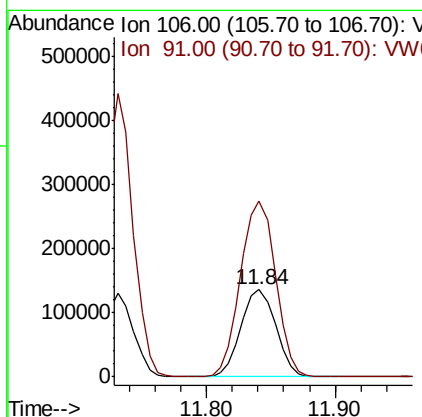
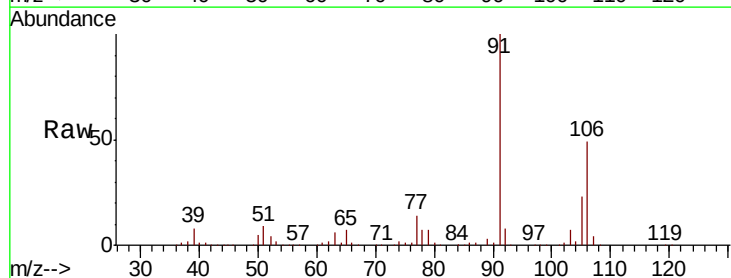
Instrument :
MSVOA_W
ClientSampled :

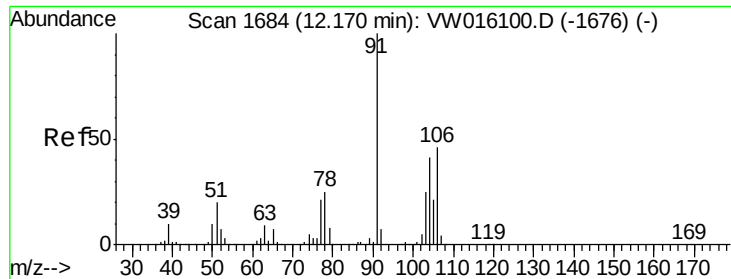
Tot Ion: 91 Resp: 678955
Ion Ratio Lower Upper
91 100
106 29.7 21.8 40.4



#54
m,p-Xylene
Concen: 24.394 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

Tgt Ion: 106 Resp: 255425
Ion Ratio Lower Upper
106 100
91 202.8 136.4 253.2

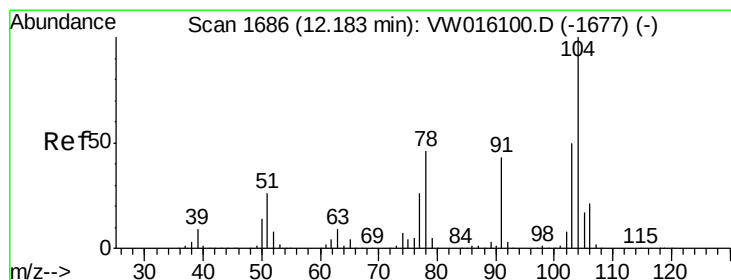
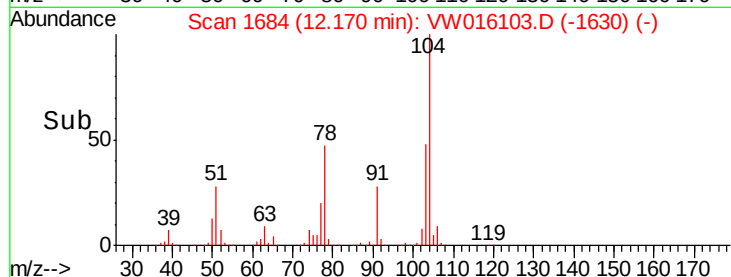
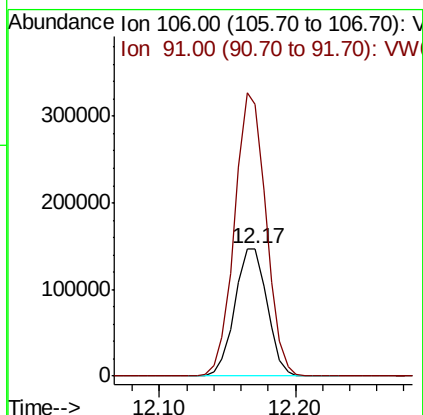
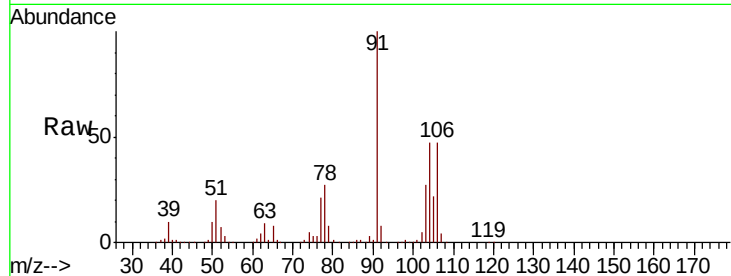




#55
o-xylene
Concen: 24.815 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

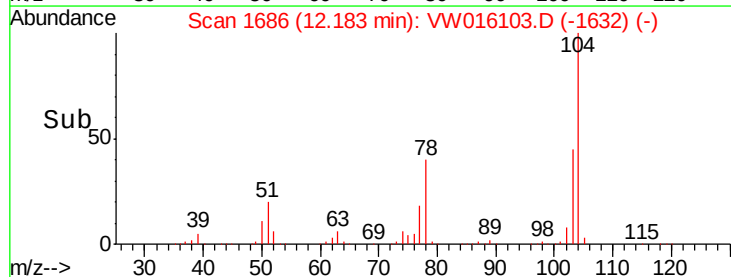
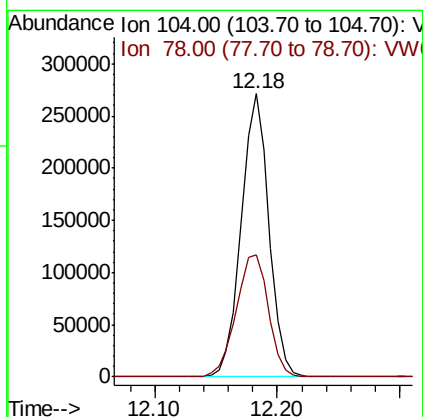
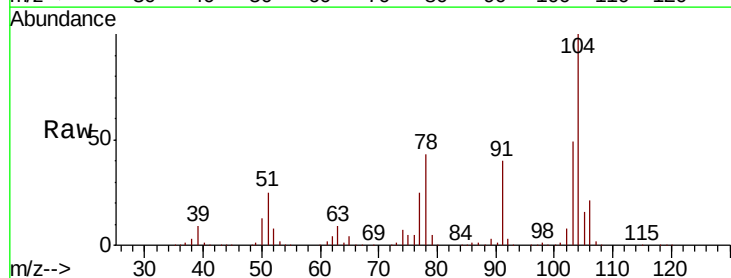
Instrument :
MSVOA_W
ClientSampled :

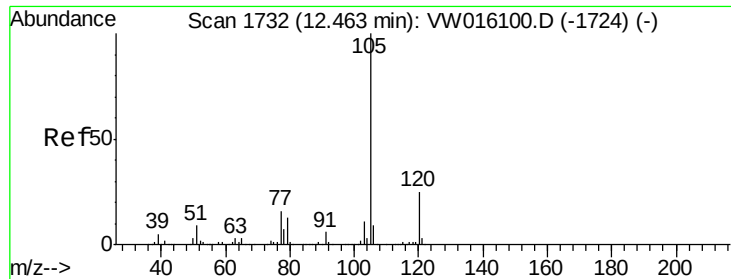
Tot Ion:106 Resp: 244744
Ion Ratio Lower Upper
106 100
91 212.7 151.3 281.1



#56
Styrene
Concen: 24.826 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016103.D
Acq: 10 Aug 2020 14:19

Tgt Ion:104 Resp: 423926
Ion Ratio Lower Upper
104 100
78 43.1 32.0 59.4





#57

Isopropylbenzene

Concen: 24.625 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016103.D

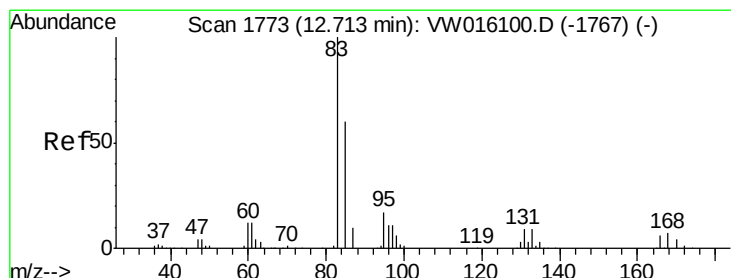
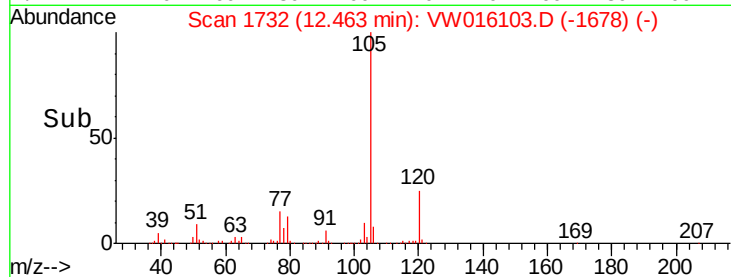
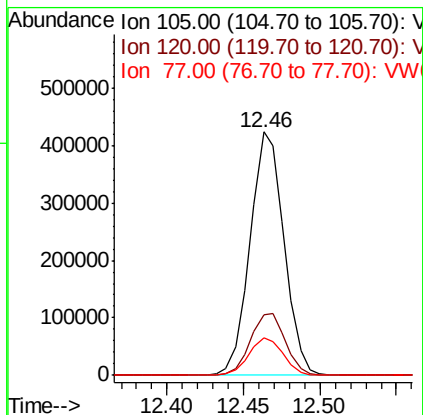
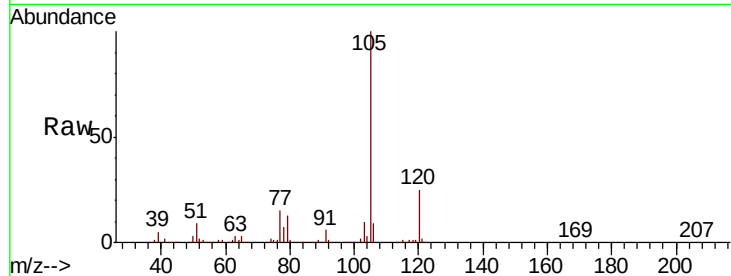
Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	105	Resp:	654827
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.4
77	15.5	12.6	18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 24.552 ug/L

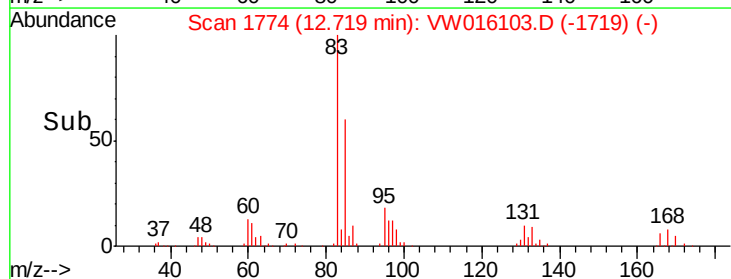
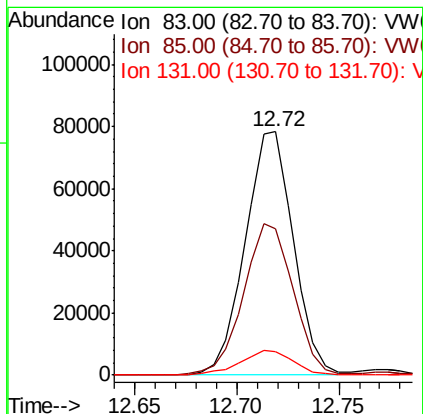
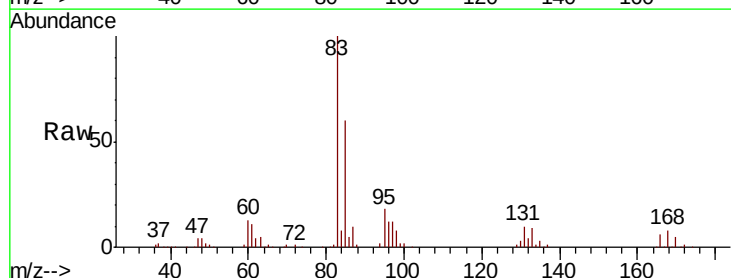
RT: 12.72 min Scan# 1774

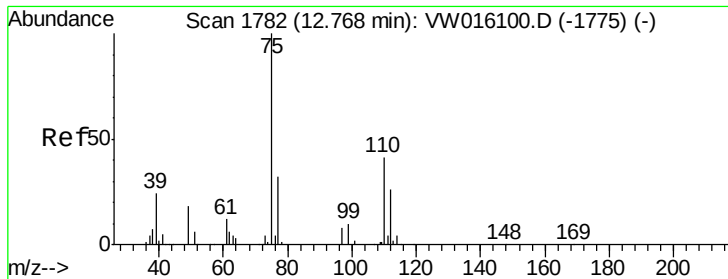
Delta R.T. 0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Tgt Ion:	83	Resp:	128700
Ion	Ratio	Lower	Upper
83	100		
85	60.3	42.4	78.8
131	9.9	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 24.050 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

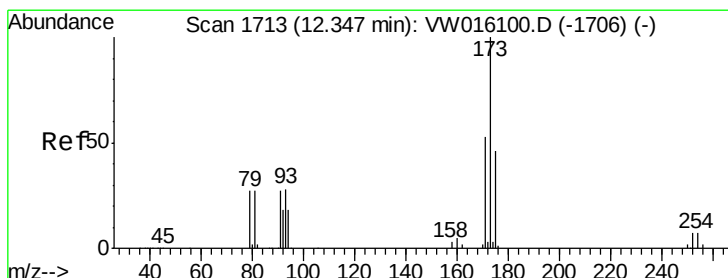
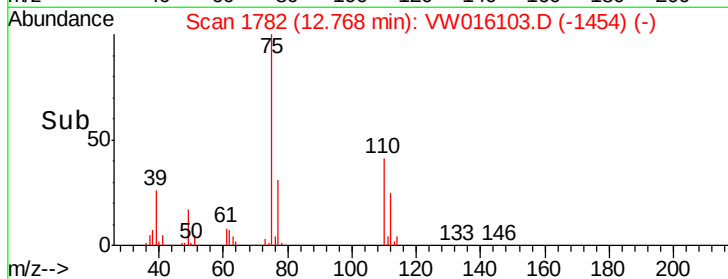
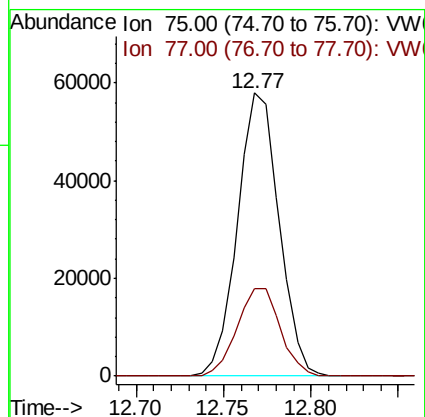
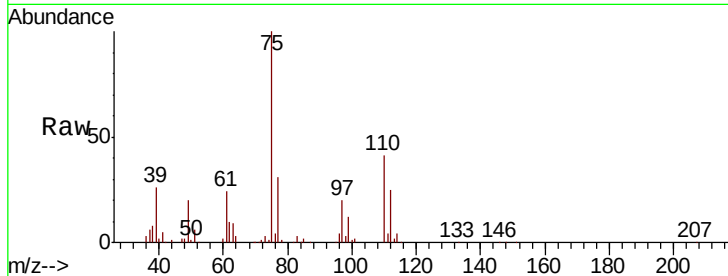
ClientSampleId :

Tot Ion: 75 Resp: 95510

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9



#62

Bromoform

Concen: 23.611 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

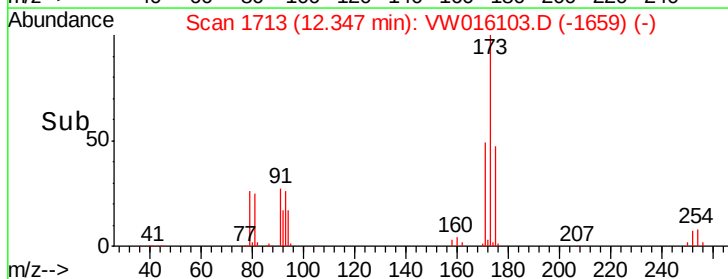
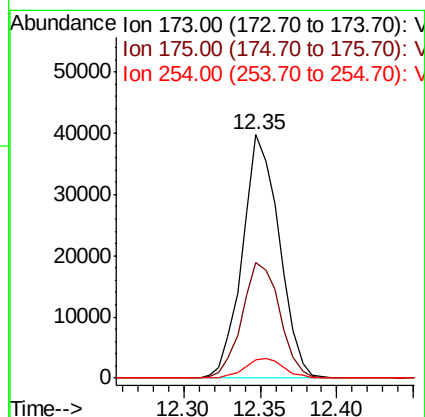
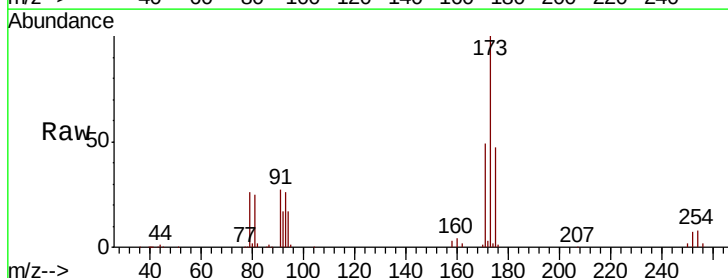
Tgt Ion: 173 Resp: 66496

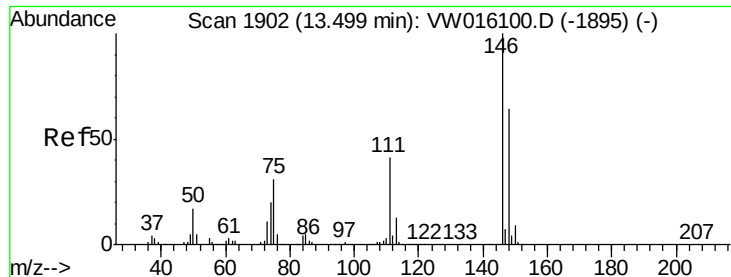
Ion Ratio Lower Upper

173 100

175 48.9 37.8 56.6

254 8.5 6.8 10.2

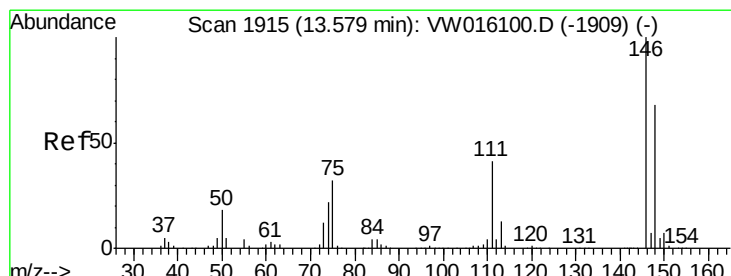
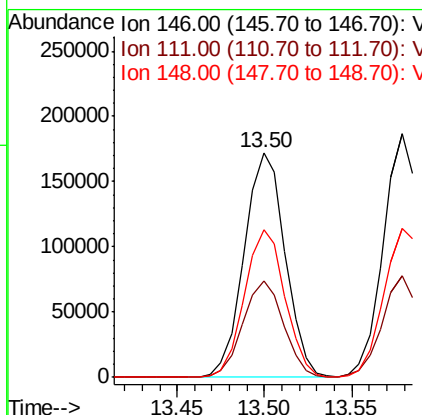
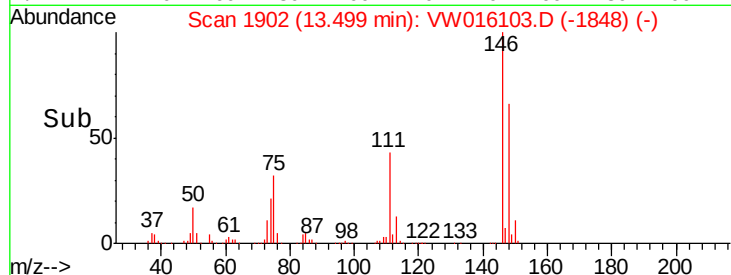
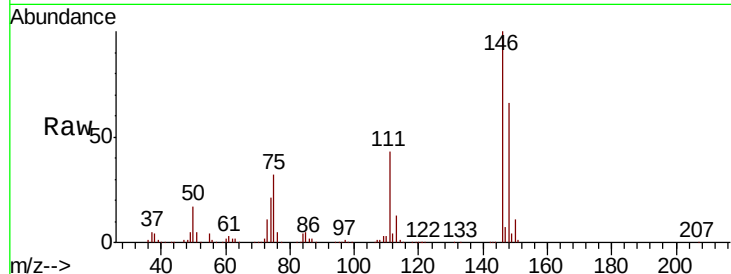




#63
 1,3-Dichlorobenzene
 Concen: 23.848 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

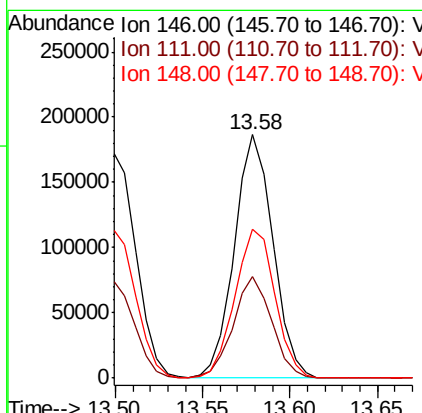
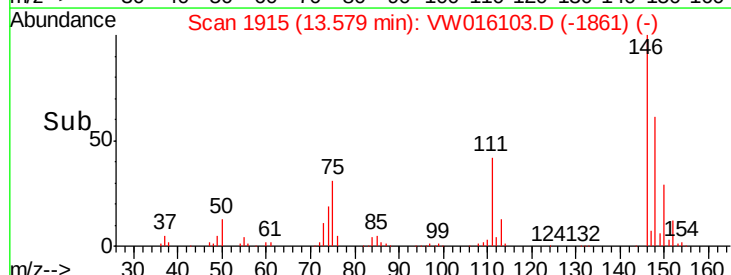
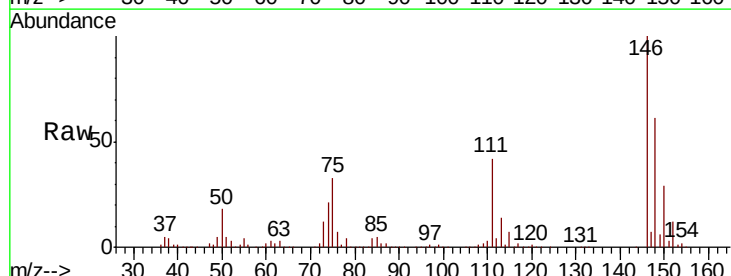
Instrument :
 MSVOA_W
 ClientSampleId :

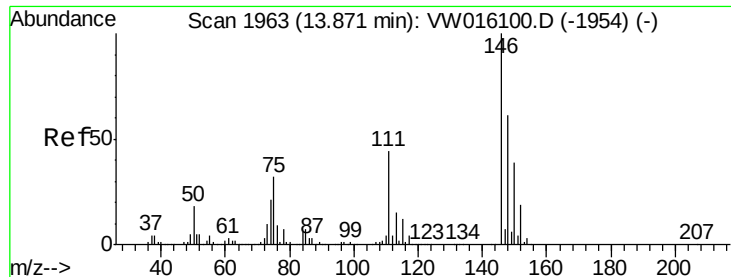
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	28.9	53.7
148	65.9	44.7	82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.952 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.6	53.2
148	61.2	47.7	88.5





#65

1,2-Dichlorobenzene

Concen: 23.819 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016103.D

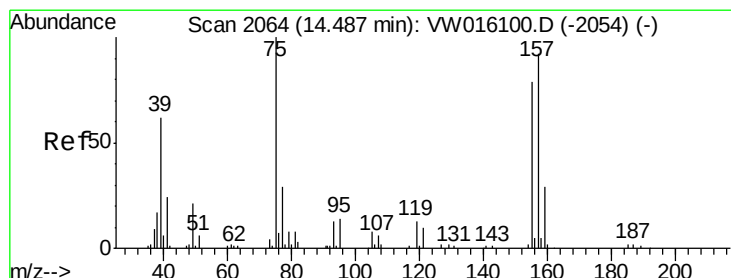
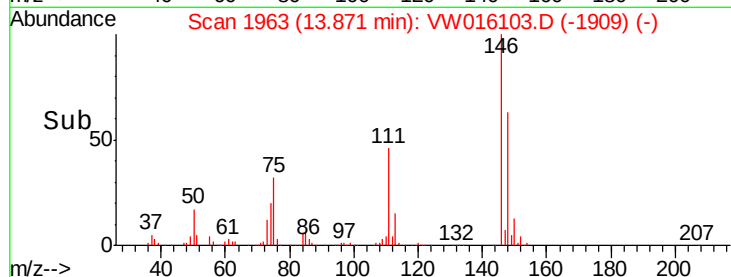
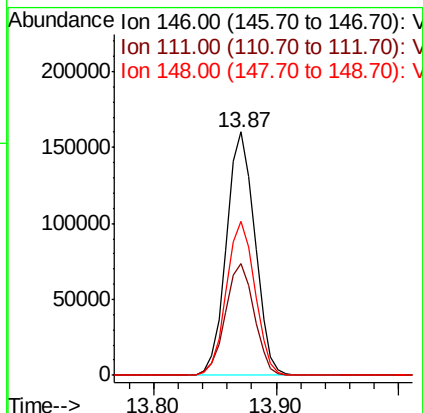
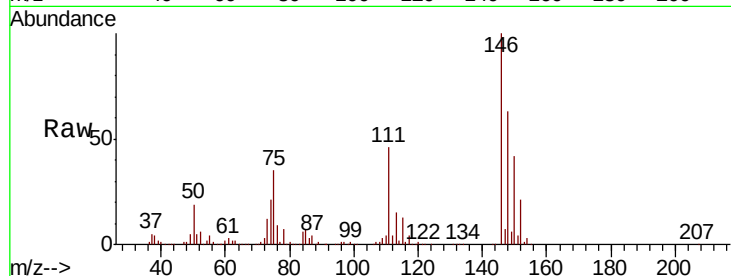
Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	256893
Ion	Ratio	Lower	Upper
146	100		
111	46.1	35.3	52.9
148	63.4	49.0	73.4



#66

1,2-Dibromo-3-chloropropane

Concen: 23.980 ug/L

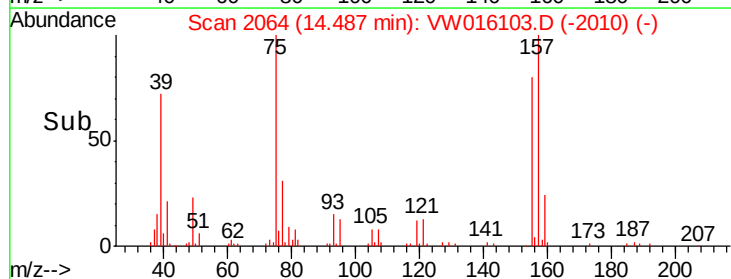
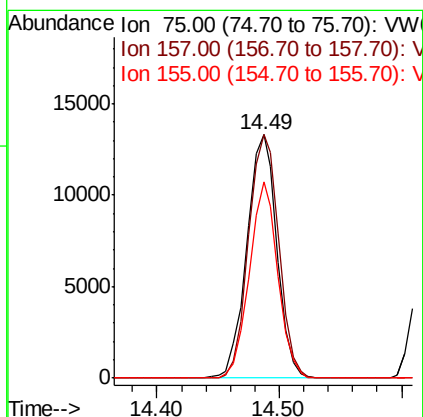
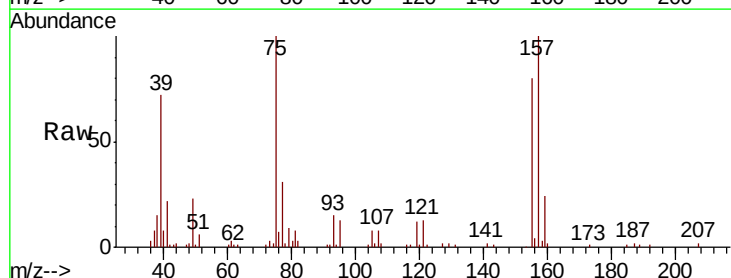
RT: 14.49 min Scan# 2064

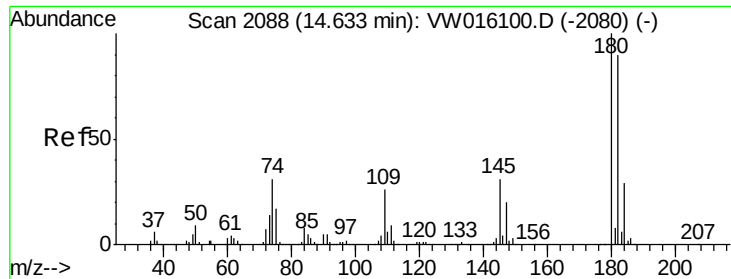
Delta R.T. -0.00 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Tgt Ion:	75	Resp:	22679
Ion	Ratio	Lower	Upper
75	100		
157	100.2	73.9	110.9
155	80.6	63.4	95.2

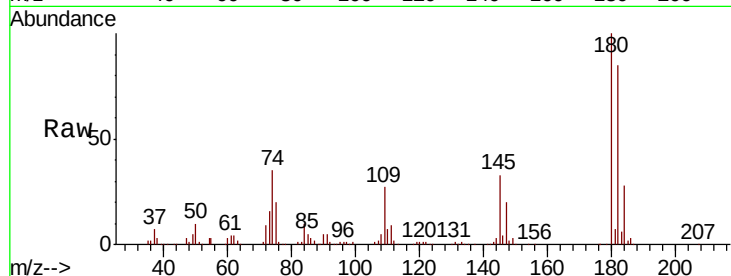




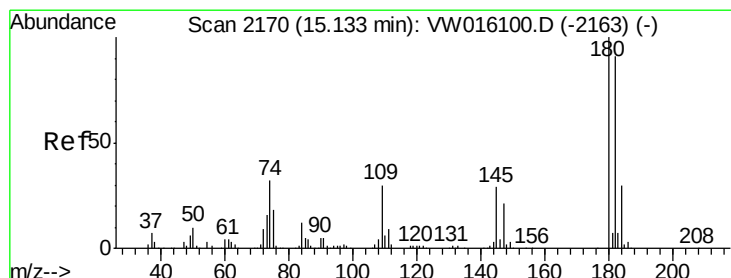
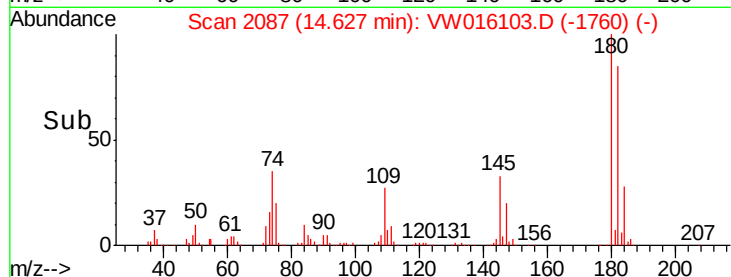
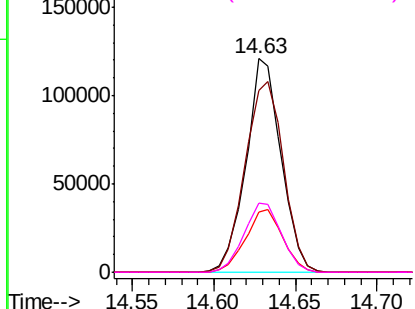
#67
 1,3,5-Trichlorobenzene
 Concen: 24.430 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	181332
Ion Ratio	Lower	Upper
180	100	
182	97.8	76.3 114.5
184	30.9	25.1 37.7
145	34.6	26.9 40.3

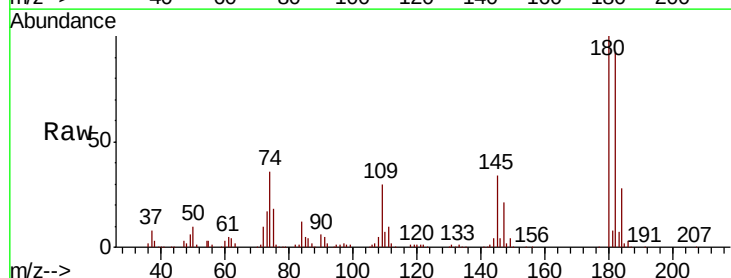


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

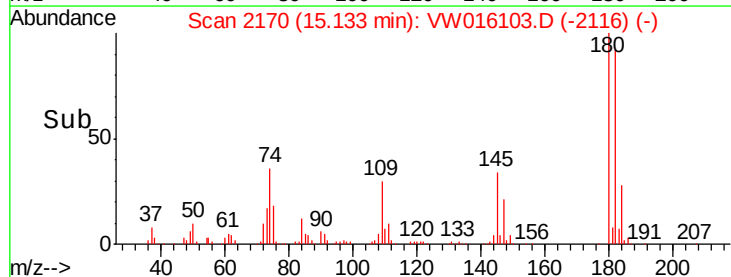
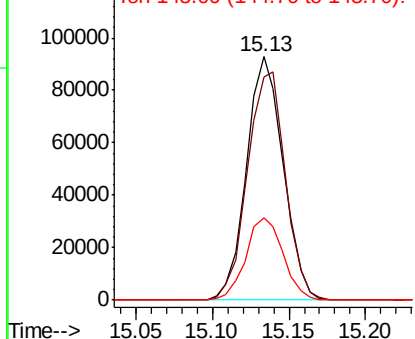


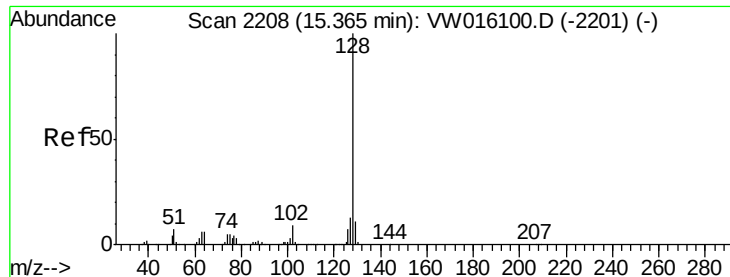
#68
 1,2,4-trichlorobenzene
 Concen: 25.729 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016103.D
 Acq: 10 Aug 2020 14:19

Tgt Ion:180	Resp:	154781
Ion Ratio	Lower	Upper
180	100	
182	97.0	77.8 116.8
145	34.3	26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 28.350 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

Instrument :

MSVOA_W

ClientSampled :

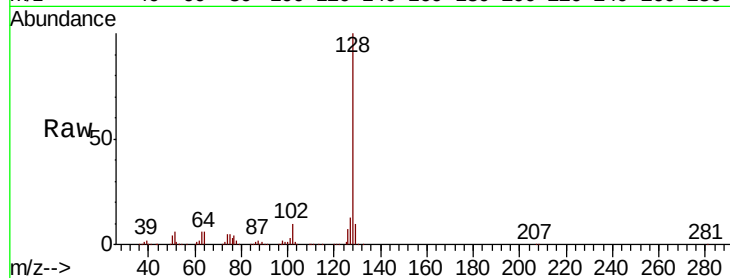
Tot Ion:128 Resp: 359994

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

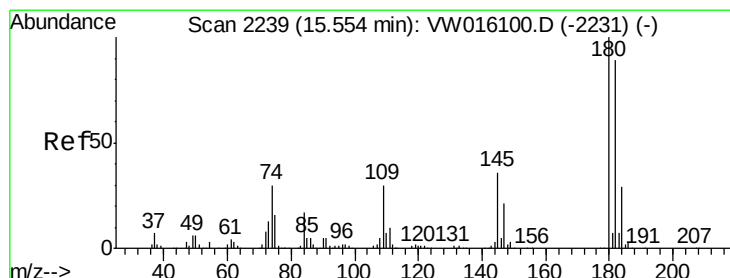
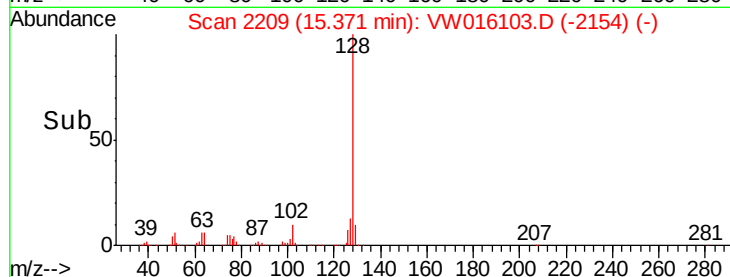
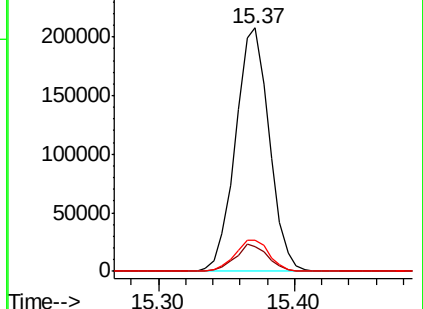
127 13.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.607 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016103.D

Acq: 10 Aug 2020 14:19

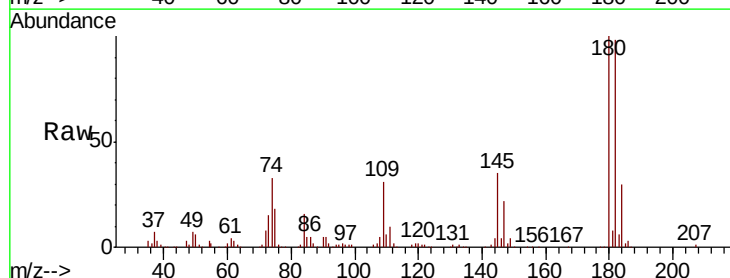
Tgt Ion:180 Resp: 139955

Ion Ratio Lower Upper

180 100

182 97.4 76.0 114.0

145 37.7 29.9 44.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

