

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080320\
 Data File : VW016027.D
 Acq On : 03 Aug 2020 11:22
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 04 03:32:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 03 12:28:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	438137	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	387160	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	180555	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	180956	29.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	117.08%
7) Chloroethane-d5	2.89	69	139719	27.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.32%
10) 1,1-Dichloroethene-d2	4.01	63	352111	28.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	112.68%#
20) 2-Butanone-d5	7.08	46	68720	42.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.64%
24) Chloroform-d	7.65	84	315161	25.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	8.31	65	150635	22.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.20%
29) Benzene-d6	8.27	84	660418	28.02	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	112.08%
33) 1,2-Dichloropropane-d6	9.27	67	189411	26.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.24%
37) Toluene-d8	10.32	98	600124	28.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.44%
38) trans-1,3-Dichloropropene-	10.58	79	76821	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.04%
39) 2-Hexanone-d5	10.93	63	53910	45.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.66%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124282	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	177609	25.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	91773	24.754	ug/L	98
3) Chloromethane	2.21	50	119491	26.649	ug/L	100
5) Vinyl chloride	2.37	62	172397	24.928	ug/L	100
6) Bromomethane	2.79	94	101410	24.579	ug/L	98
8) Chloroethane	2.93	64	107239	26.470	ug/L	100
9) Trichlorofluoromethane	3.26	101	141853	30.515	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	158882	27.960	ug/L	98
12) 1,1-Dichloroethene	4.04	96	157644	27.990	ug/L	96
13) Acetone	4.12	43	68988	50.585	ug/L	94
14) Carbon disulfide	4.38	76	453598	25.501	ug/L	99
15) Methyl Acetate	4.67	43	58114	22.599	ug/L	98
16) Methylene chloride	4.92	84	174335	24.283	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	209882	26.352	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	160386	26.967	ug/L	98
19) 1,1-Dichloroethane	6.21	63	299778	27.352	ug/L	99
21) 2-Butanone	7.17	43	80376	47.659	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	169322	27.211	ug/L	95

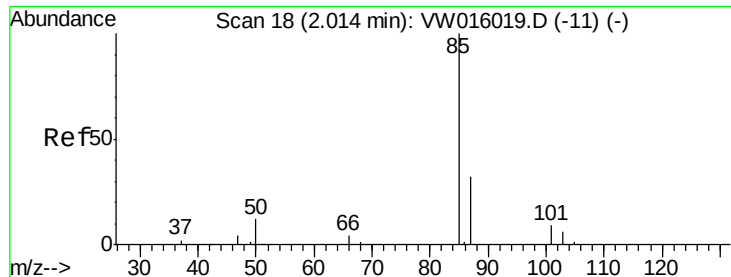
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080320\
 Data File : VW016027.D
 Acq On : 03 Aug 2020 11:22
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Quant Time: Aug 04 03:32:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 03 12:28:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	69328	25.408	ug/L	97
25) Chloroform	7.68	83	289570	26.658	ug/L	99
27) 1,2-Dichloroethane	8.40	62	167497	22.662	ug/L	97
30) Cyclohexane	7.96	56	272954	27.960	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	251049	27.770	ug/L	98
32) Carbon tetrachloride	8.07	117	223985	27.323	ug/L	98
34) Benzene	8.32	78	664123	28.243	ug/L	100
35) Trichloroethene	9.09	95	170972	27.486	ug/L	98
36) Methylcyclohexane	9.34	83	305510	28.623	ug/L	99
40) 1,2-Dichloropropane	9.37	63	162168	27.839	ug/L	100
41) Bromodichloromethane	9.65	83	199091	26.464	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	241001	27.164	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	161891	47.613	ug/L	98
44) Toluene	10.39	91	705640	28.612	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	201314	26.178	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	107240	25.601	ug/L	98
47) Tetrachloroethene	10.87	164	136831	28.339	ug/L	95
49) 2-Hexanone	10.97	43	117531	48.710	ug/L	97
50) Dibromochloromethane	11.13	129	124117	25.592	ug/L	98
51) 1,2-Dibromoethane	11.24	107	98776	24.649	ug/L	98
52) Chlorobenzene	11.66	112	435364	27.549	ug/L	99
53) Ethylbenzene	11.73	91	788610	28.436	ug/L	98
54) m,p-Xylene	11.84	106	296464	28.573	ug/L	98
55) o-xylene	12.17	106	281841	28.848	ug/L	99
56) Styrene	12.18	104	473864	28.521	ug/L	98
57) Isopropylbenzene	12.46	105	771861	29.022	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	120983	24.595	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	89354	24.245	ug/L	99
62) Bromoform	12.35	173	67288	25.334	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	320494	27.734	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	318364	27.146	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	284788	27.132	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	17764	22.485	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	221608	27.274	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	174441	27.029	ug/L	99
69) Naphthalene	15.37	128	294264	24.202	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	148496	25.823	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 24.754 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

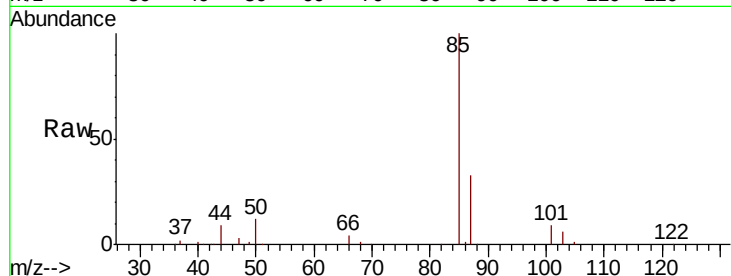
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 85 Resp: 91773

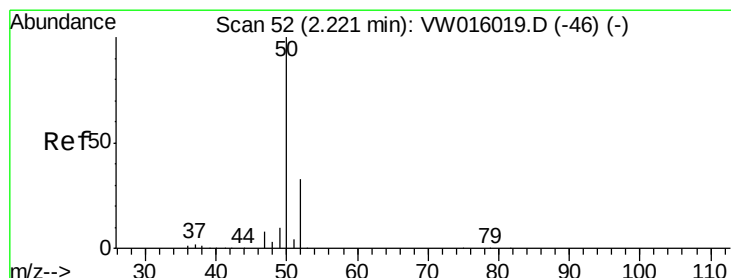
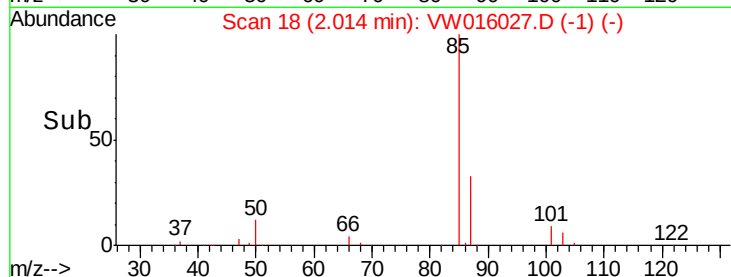
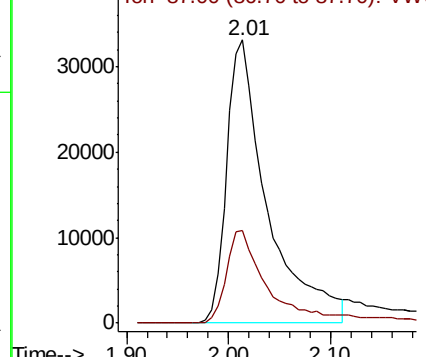
Ion Ratio Lower Upper

85 100

87 31.3 21.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 26.649 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW016027.D

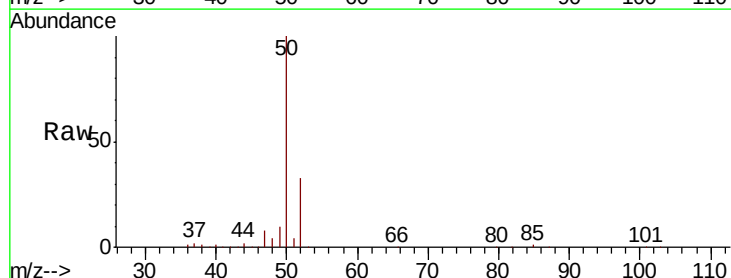
Acq: 03 Aug 2020 11:22

Tgt Ion: 50 Resp: 119491

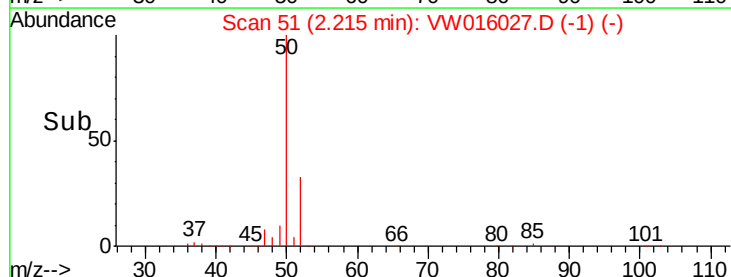
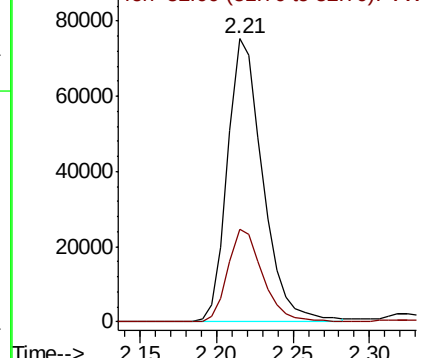
Ion Ratio Lower Upper

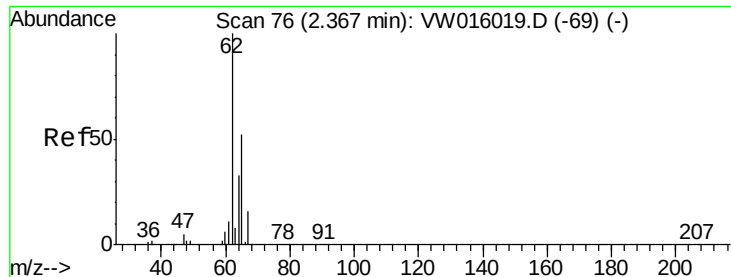
50 100

52 32.8 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.928 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

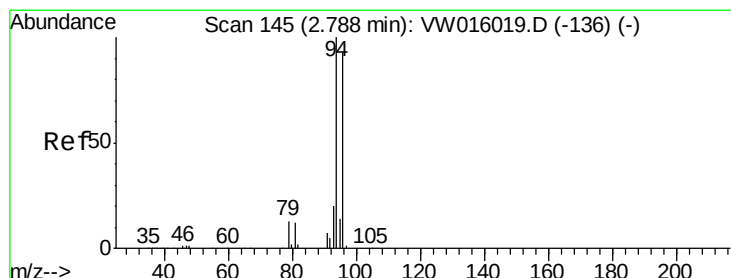
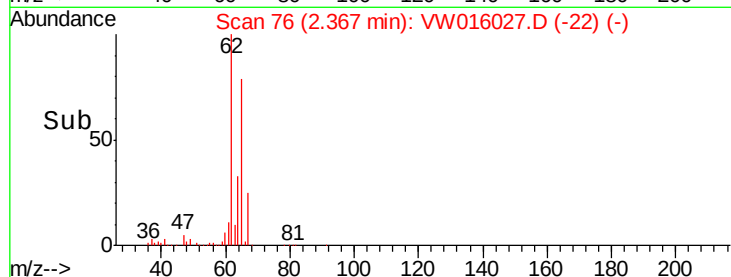
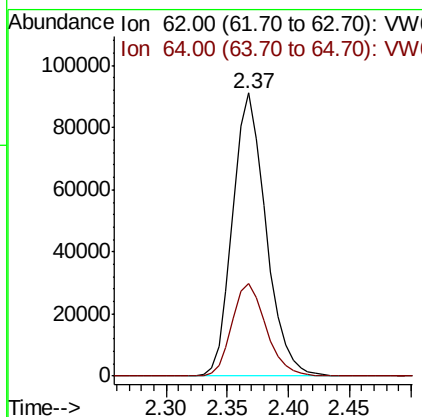
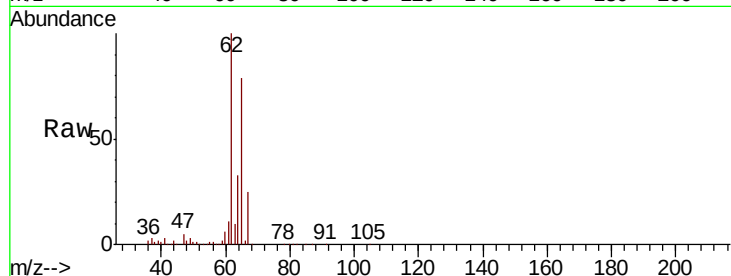
ClientSampleId :

Tot Ion: 62 Resp: 172397

Ion Ratio Lower Upper

62 100

64 32.9 23.2 43.0



#6

Bromomethane

Concen: 24.579 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016027.D

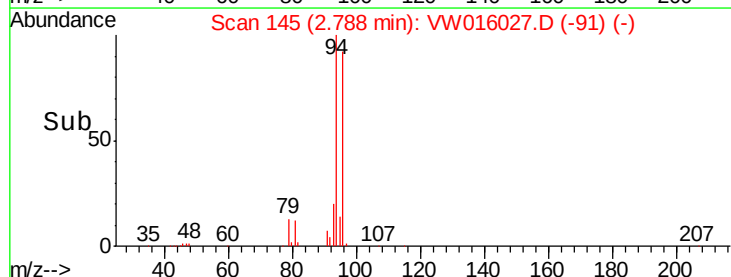
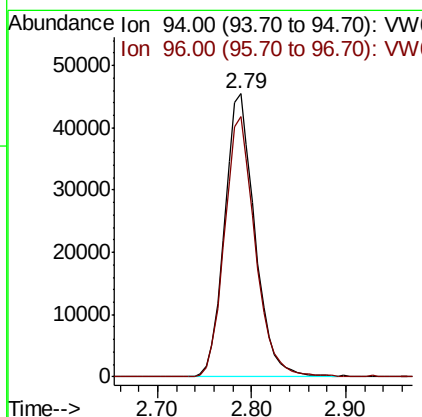
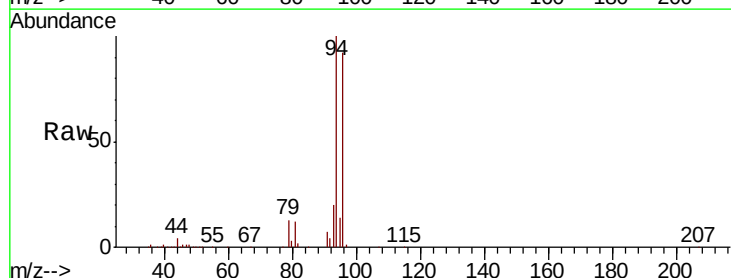
Acq: 03 Aug 2020 11:22

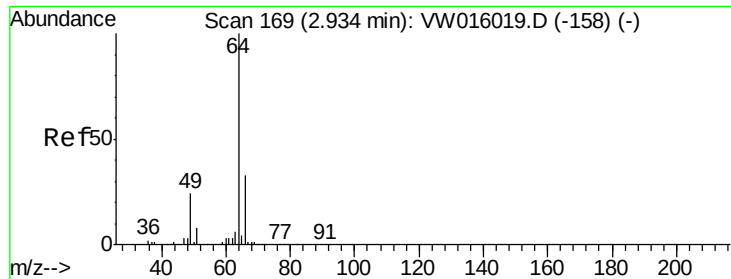
Tgt Ion: 94 Resp: 101410

Ion Ratio Lower Upper

94 100

96 93.2 9.5 180.1





#8

Chloroethane

Concen: 26.470 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

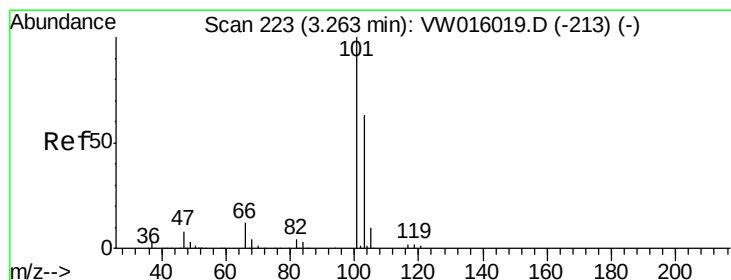
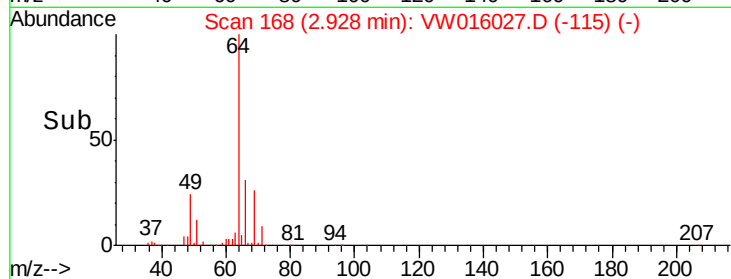
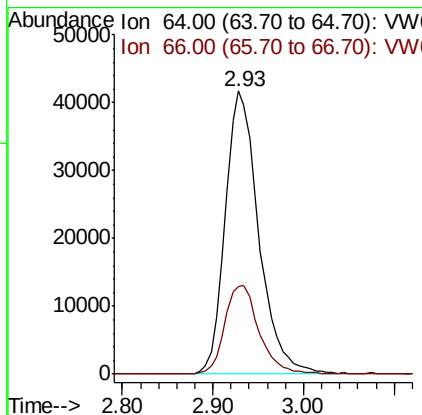
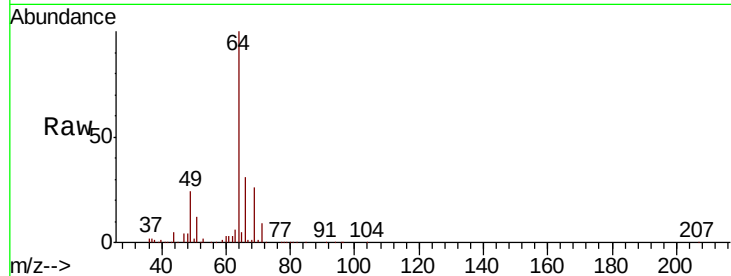
ClientSampleId :

Tot Ion: 64 Resp: 107239

Ion Ratio Lower Upper

64 100

66 31.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 30.515 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW016027.D

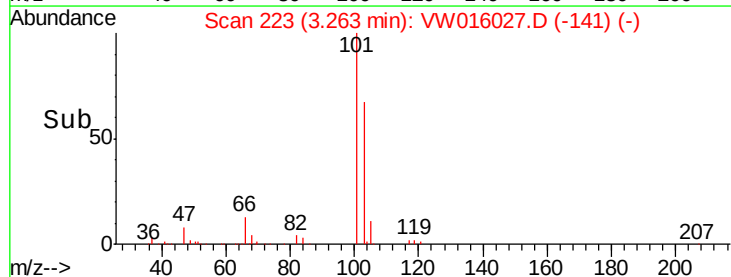
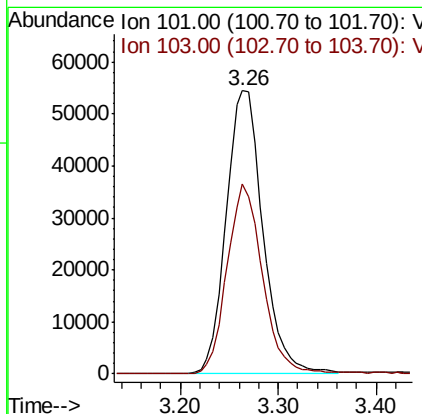
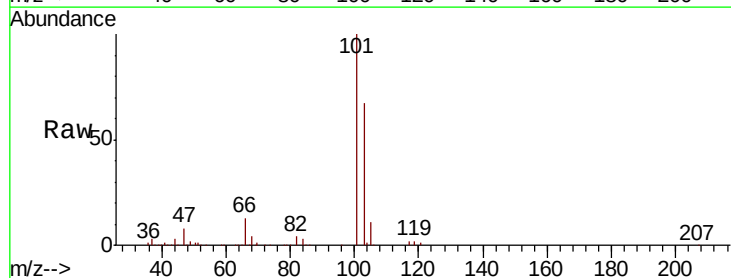
Acq: 03 Aug 2020 11:22

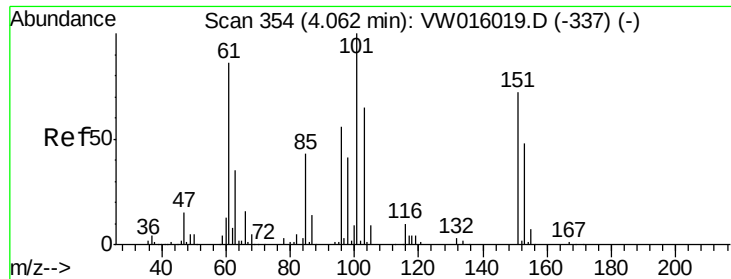
Tgt Ion: 101 Resp: 141853

Ion Ratio Lower Upper

101 100

103 64.8 45.8 85.2





#11

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

Concen: 27.960 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

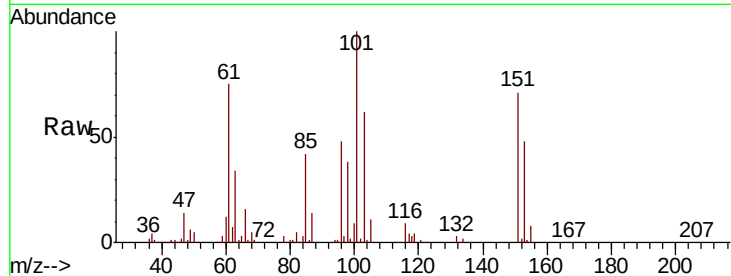
Tot Ion:101 Resp: 158882

Ion Ratio Lower Upper

101 100

85 42.9 35.5 53.3

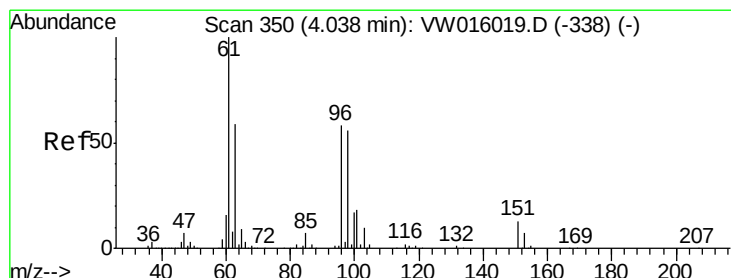
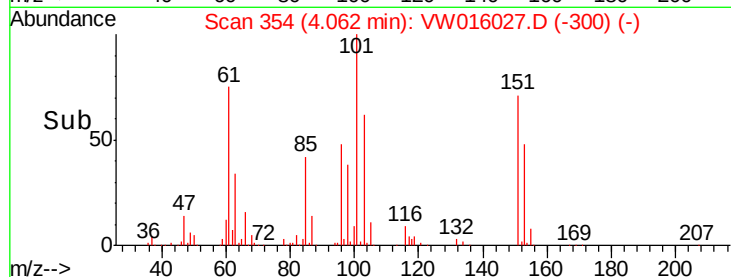
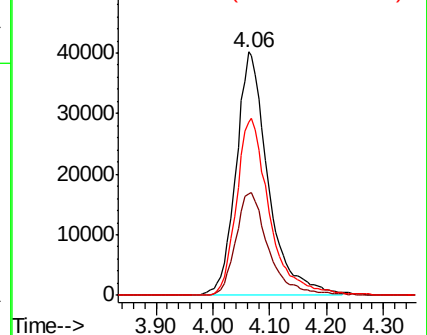
151 74.0 58.4 87.6



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: 27.990 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

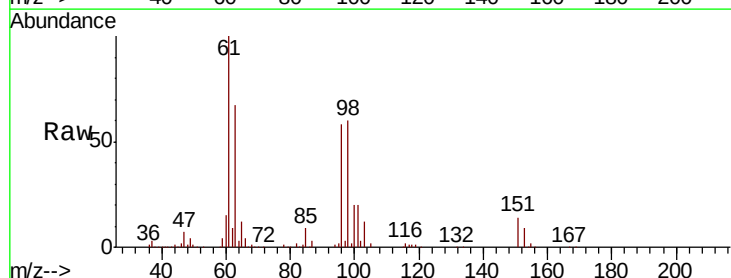
Tgt Ion: 96 Resp: 157644

Ion Ratio Lower Upper

96 100

61 171.3 125.0 232.2

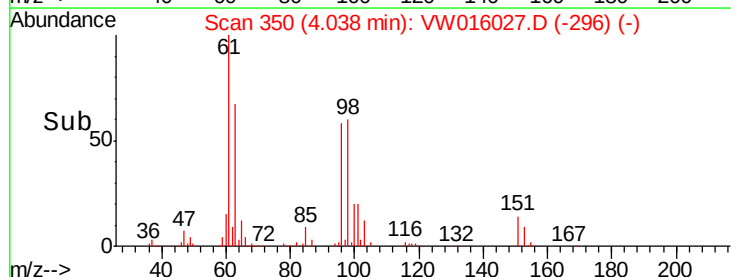
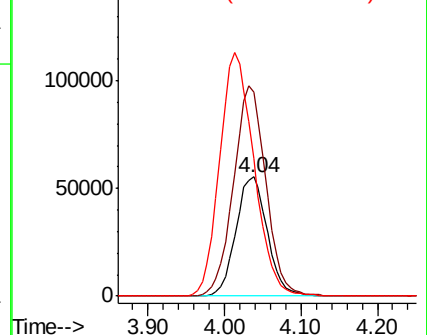
63 115.3 82.3 152.8

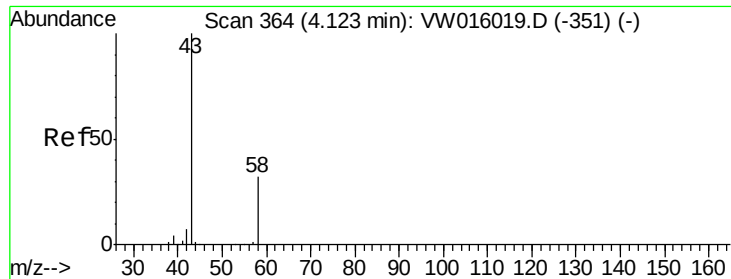


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.585 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

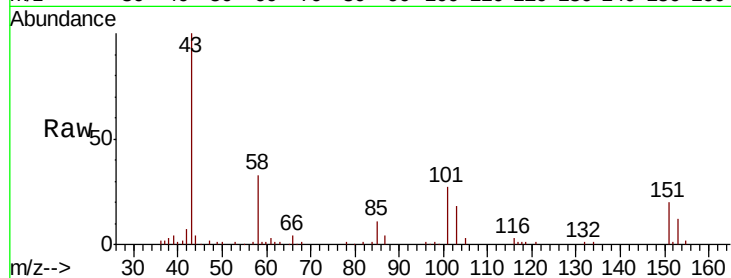
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 68988

Ion Ratio Lower Upper

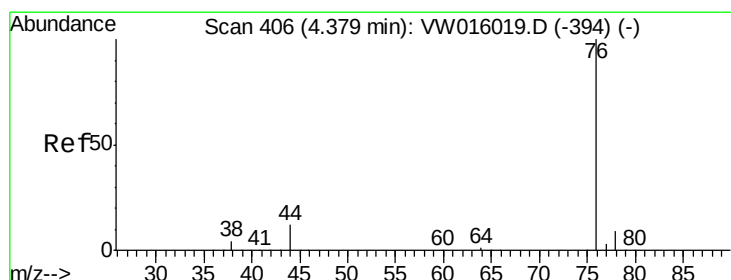
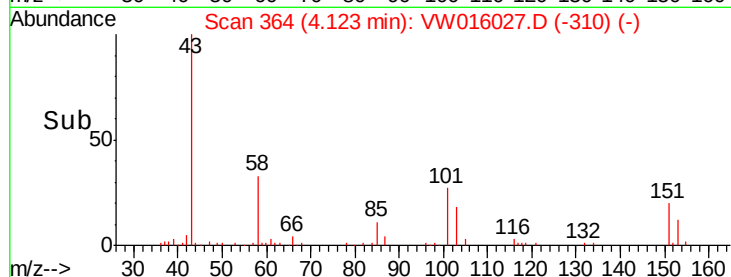
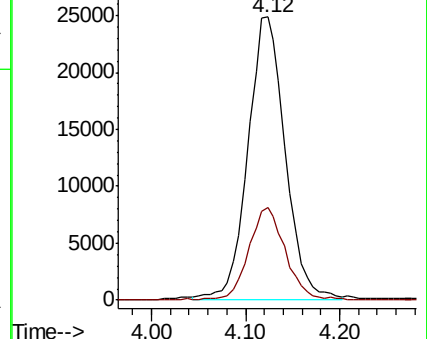
43 100

58 32.2 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.501 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW016027.D

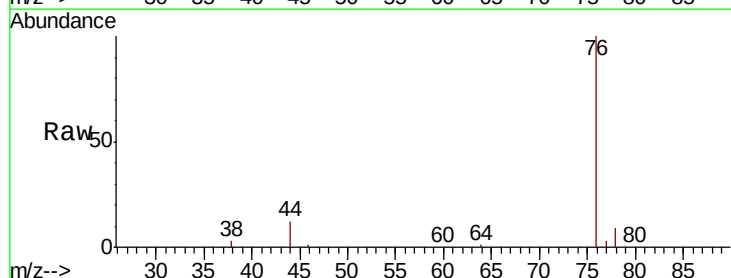
Acq: 03 Aug 2020 11:22

Tgt Ion: 76 Resp: 453598

Ion Ratio Lower Upper

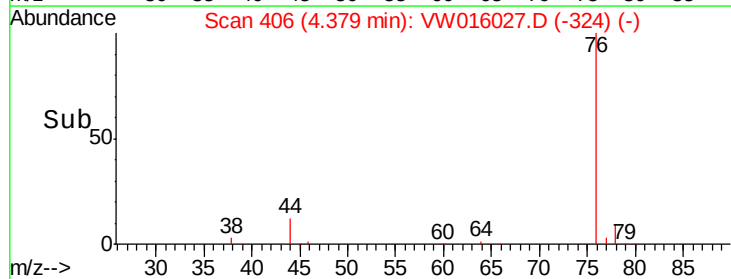
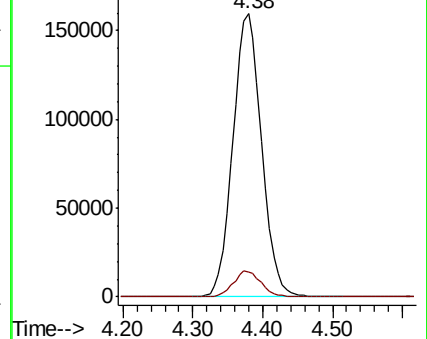
76 100

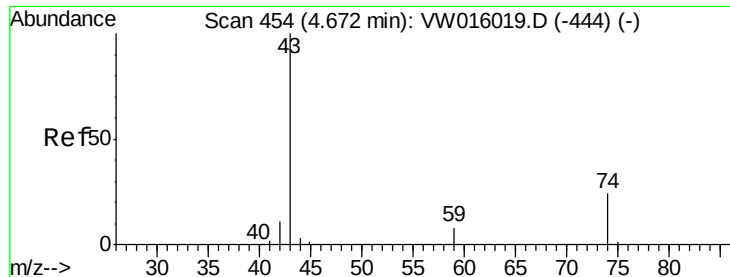
78 8.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

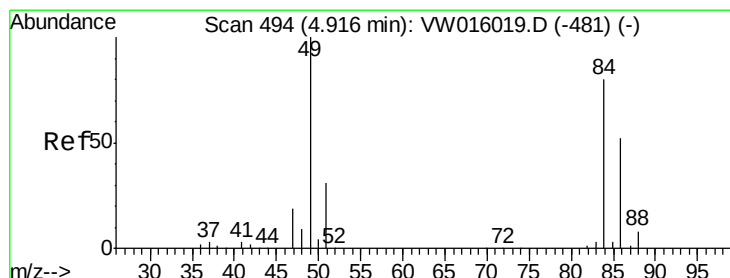
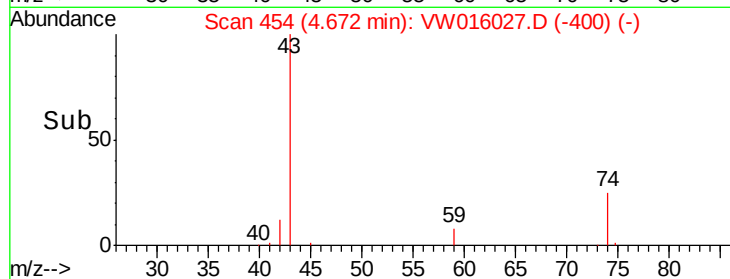
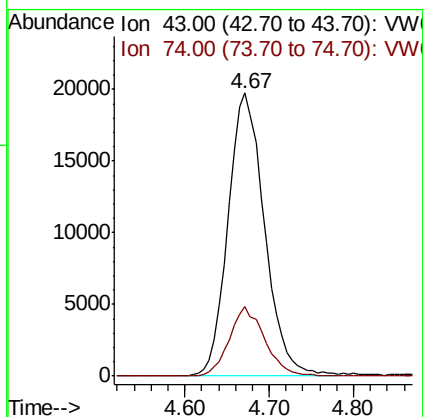
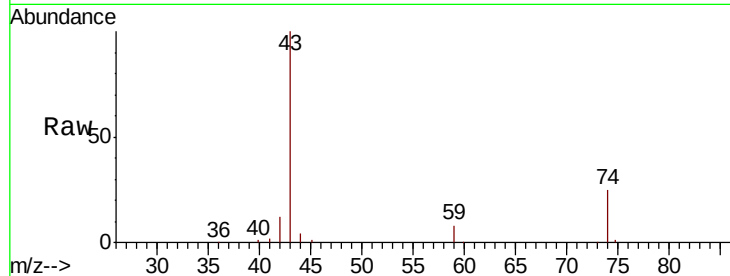




#15
Methyl Acetate
Concen: 22.599 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

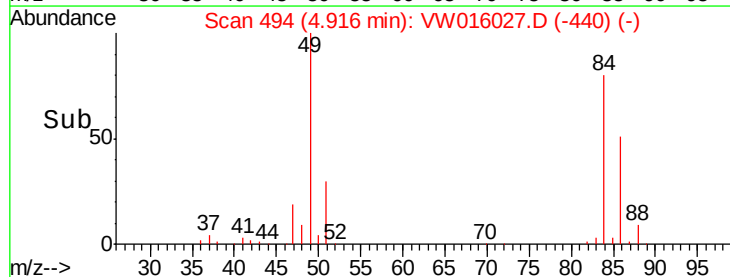
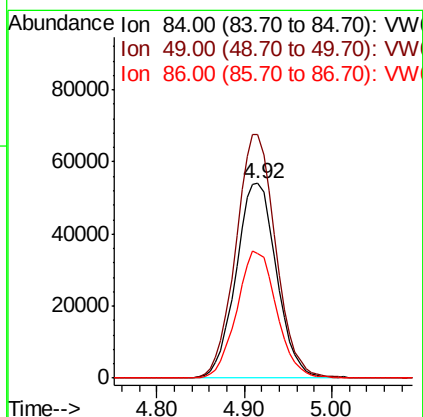
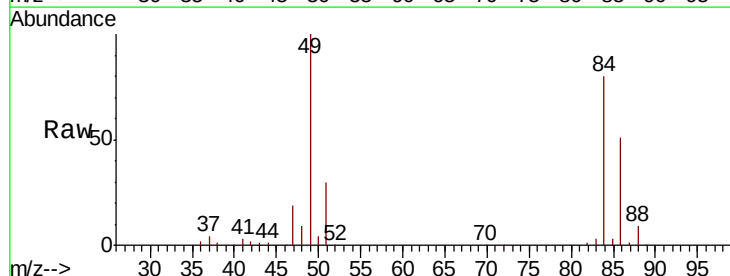
Instrument :
MSVOA_W
ClientSampleId :

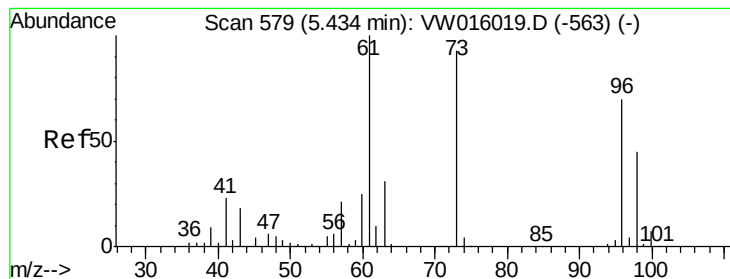
Tot Ion: 43 Resp: 58114
Ion Ratio Lower Upper
43 100
74 23.9 18.2 27.2



#16
Methylene chloride
Concen: 24.283 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Tgt Ion: 84 Resp: 174335
Ion Ratio Lower Upper
84 100
49 124.9 91.1 169.1
86 64.1 46.0 85.4





#17

Methyl tert-butyl Ether

Concen: 26.352 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

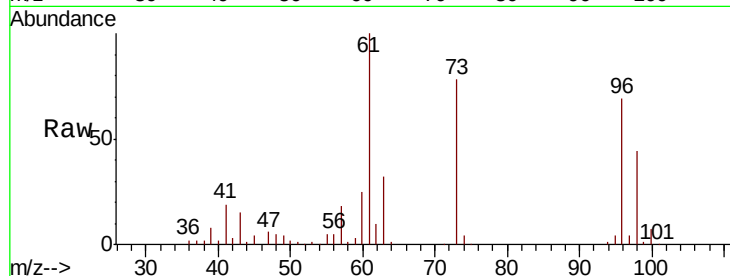
Tot Ion: 73 Resp: 209882

Ion Ratio Lower Upper

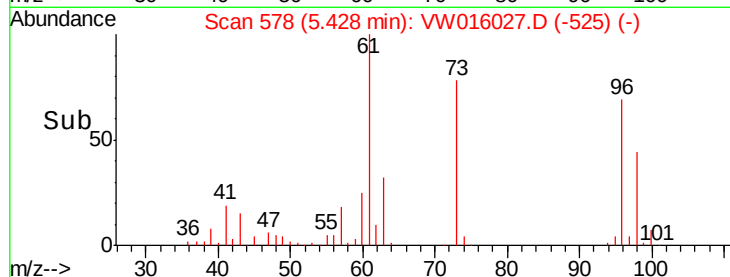
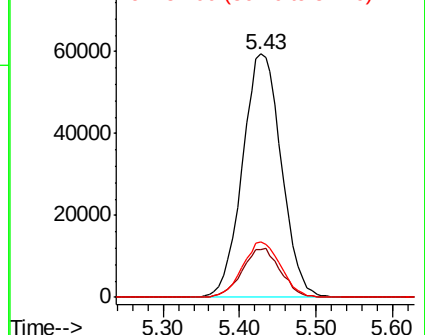
73 100

43 19.8 18.4 27.6

57 22.4 17.8 26.8



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: 26.967 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

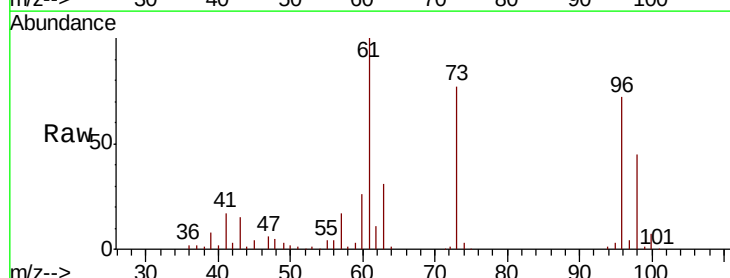
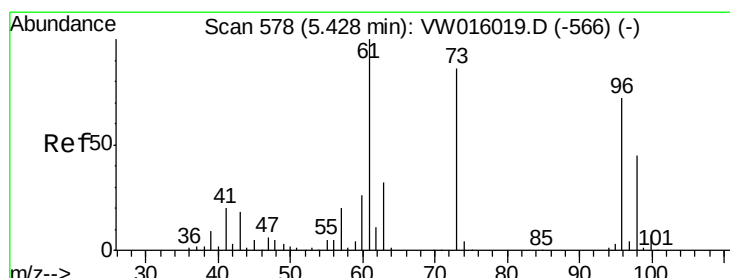
Tgt Ion: 96 Resp: 160386

Ion Ratio Lower Upper

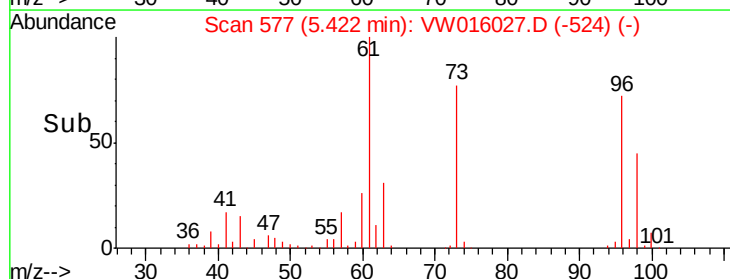
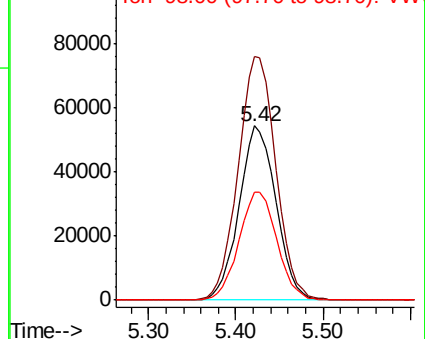
96 100

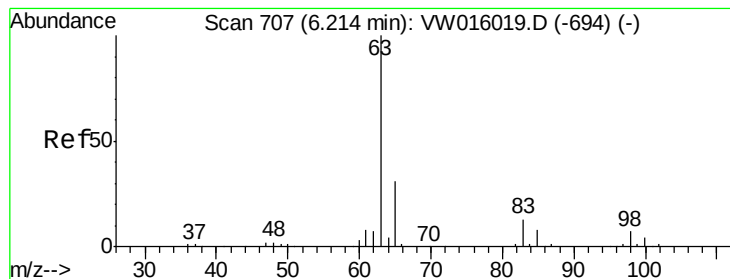
61 139.6 99.3 184.5

98 62.1 42.9 79.7



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: 27.352 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

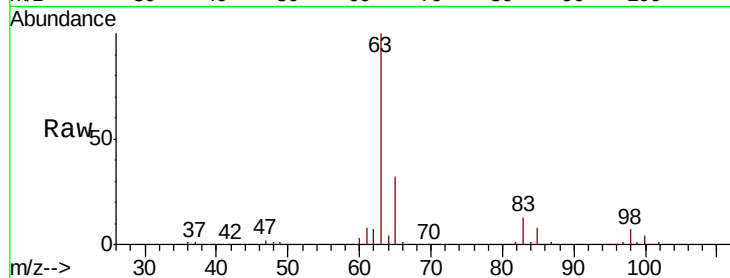
Tot Ion: 63 Resp: 299778

Ion Ratio Lower Upper

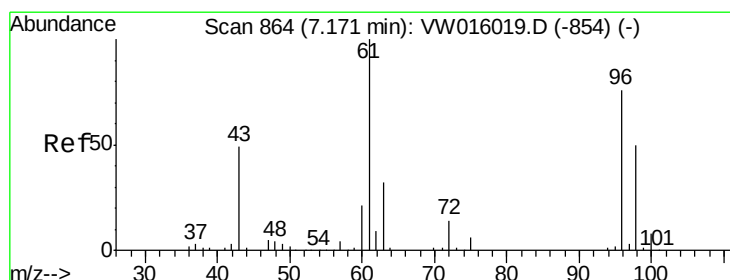
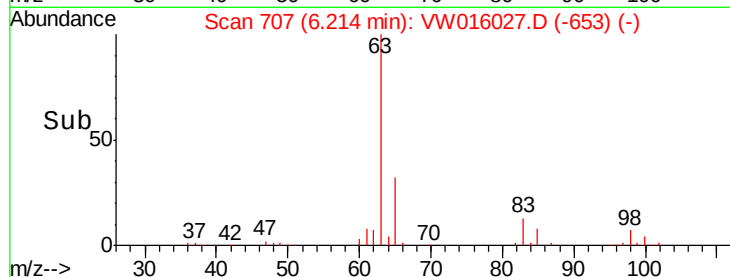
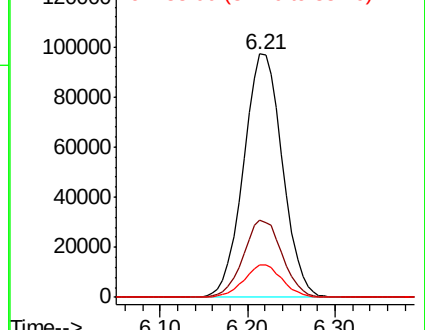
63 100

65 31.7 22.2 41.2

83 13.2 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 47.659 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016027.D

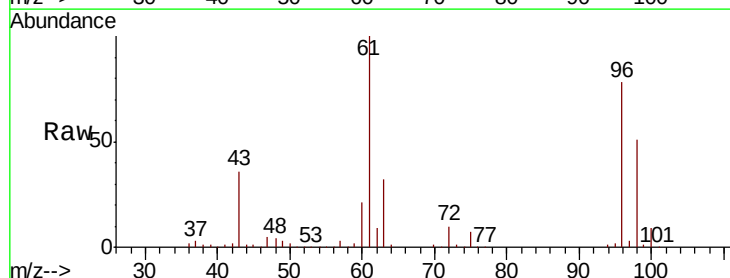
Acq: 03 Aug 2020 11:22

Tgt Ion: 43 Resp: 80376

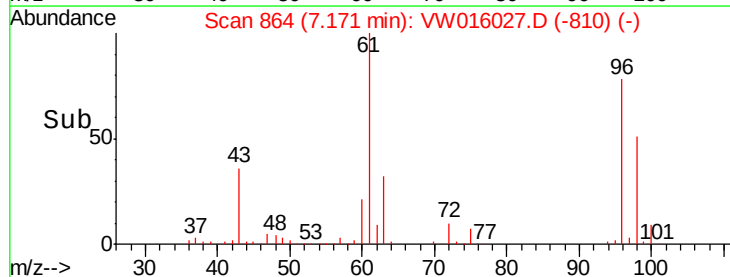
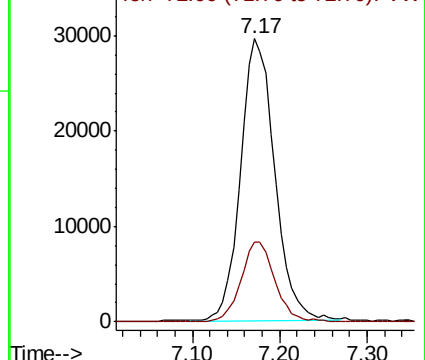
Ion Ratio Lower Upper

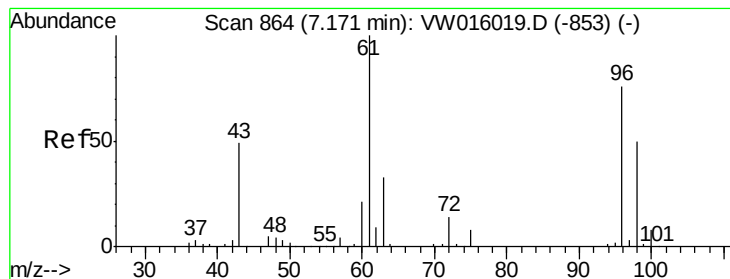
43 100

72 28.1 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#22

cis-1,2-Dichloroethene

Concen: 27.211 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :
MSVOA_W
ClientSampled :

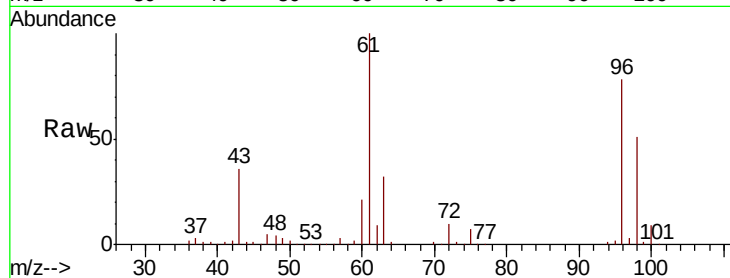
Tot Ion: 96 Resp: 169322

Ion Ratio Lower Upper

96 100

61 128.8 94.6 175.8

98 65.5 44.3 82.3

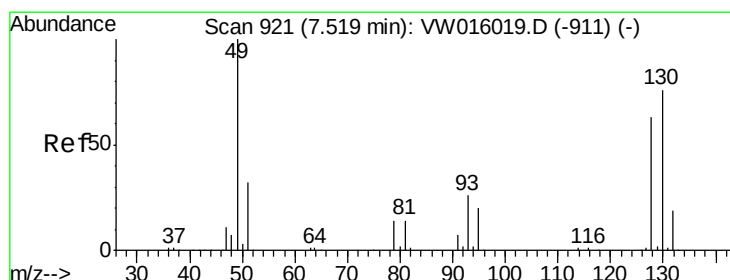
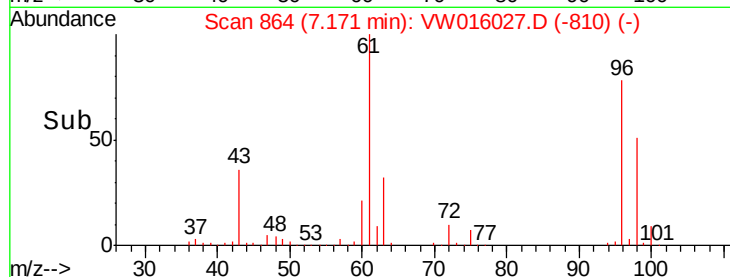
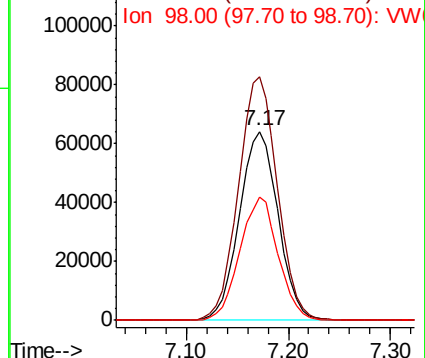


Abundance

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: 25.408 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Tgt Ion: 128 Resp: 69328

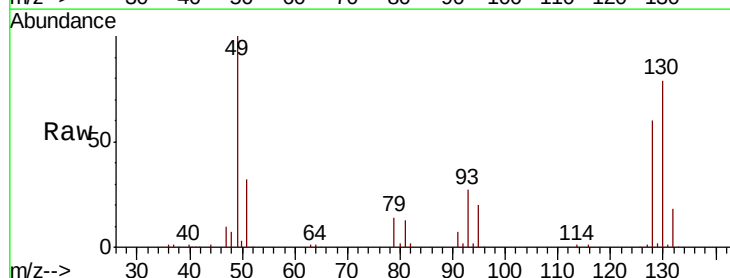
Ion Ratio Lower Upper

128 100

49 167.3 122.4 227.2

130 132.3 93.9 174.5

51 53.2 43.2 64.8



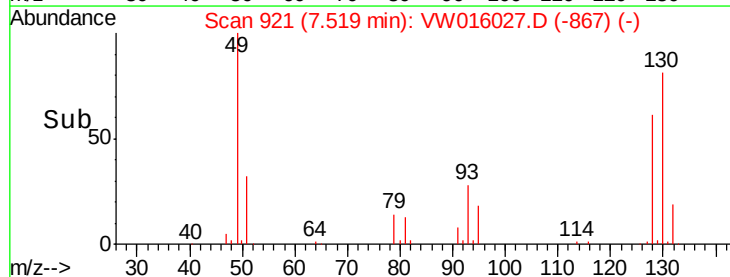
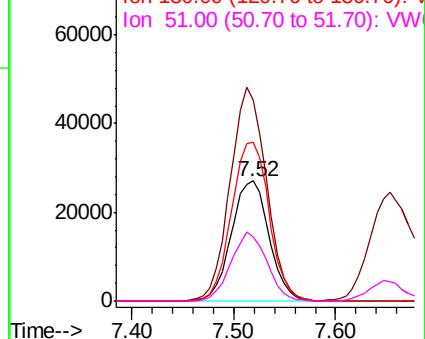
Abundance

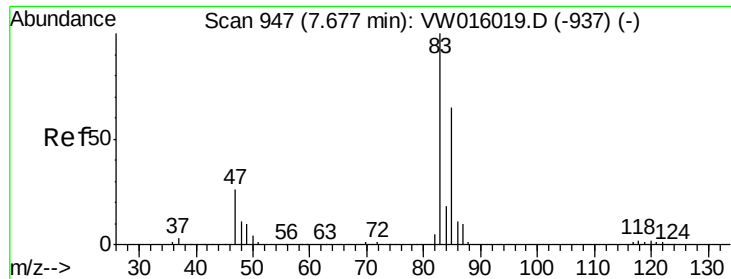
Ion 128.00 (127.70 to 128.70): V

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

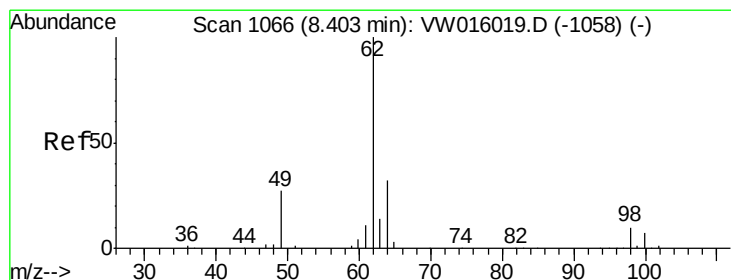
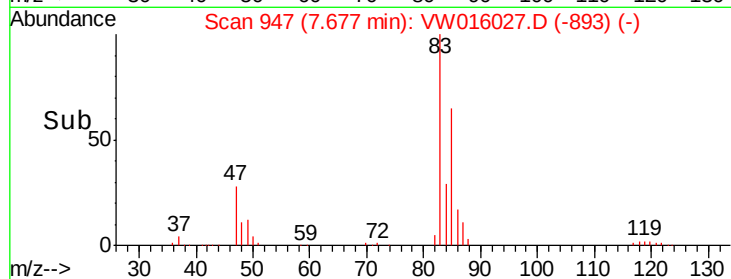
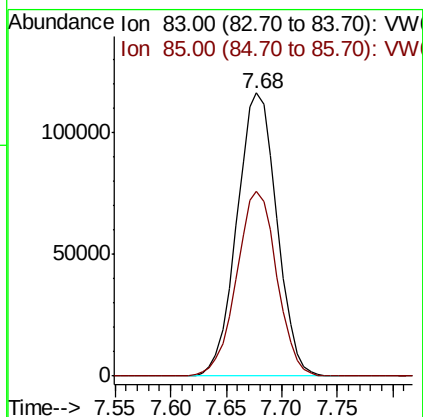
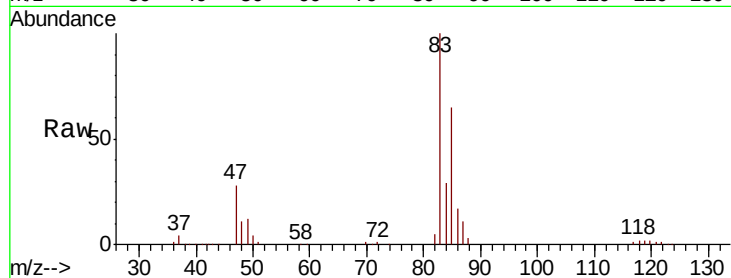




#25
Chloroform
Concen: 26.658 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

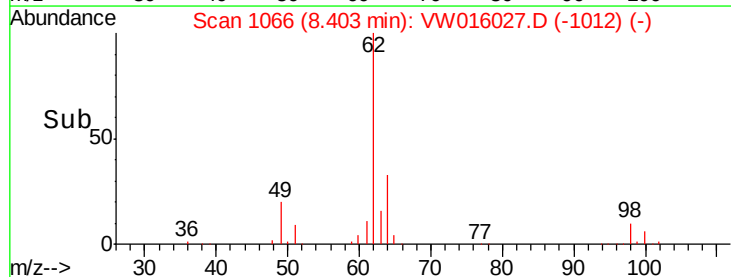
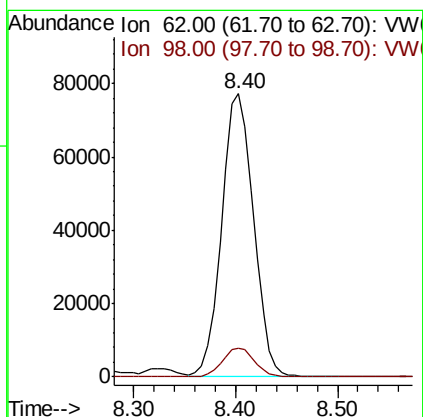
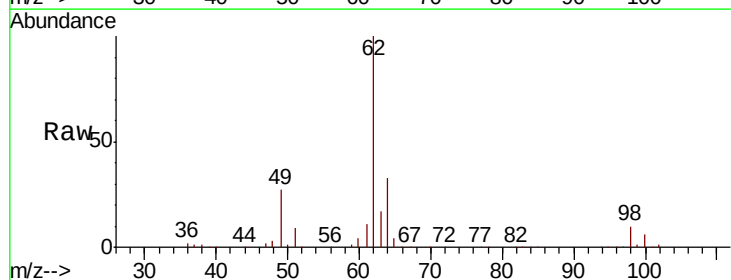
Instrument :
MSVOA_W
ClientSampled :

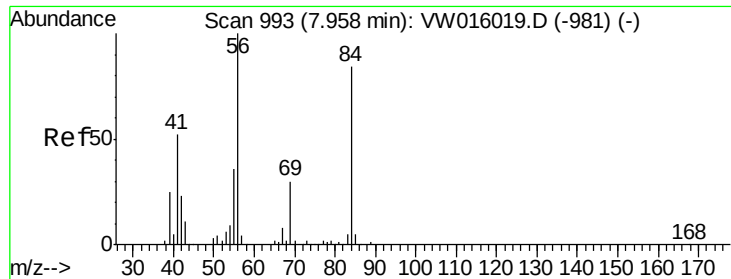
Tot Ion: 83 Resp: 289570
Ion Ratio Lower Upper
83 100
85 65.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 22.662 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Tgt Ion: 62 Resp: 167497
Ion Ratio Lower Upper
62 100
98 10.0 7.0 10.6

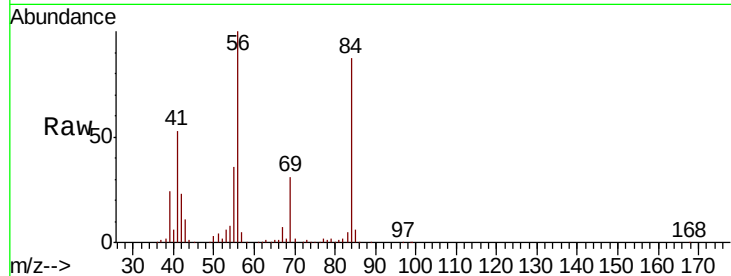




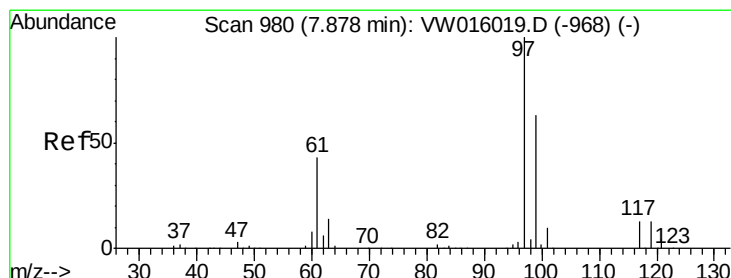
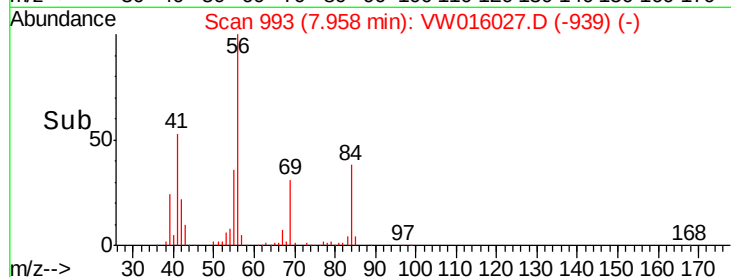
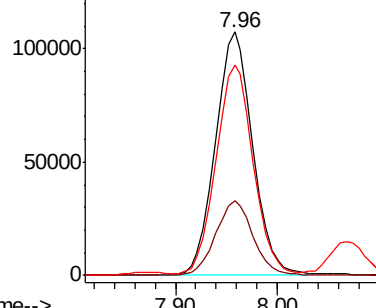
#30
Cyclohexane
Concen: 27.960 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	56	Resp	272954
Ion Ratio	100	Lower	Upper
69	30.8	24.4	36.6
84	86.8	69.3	103.9

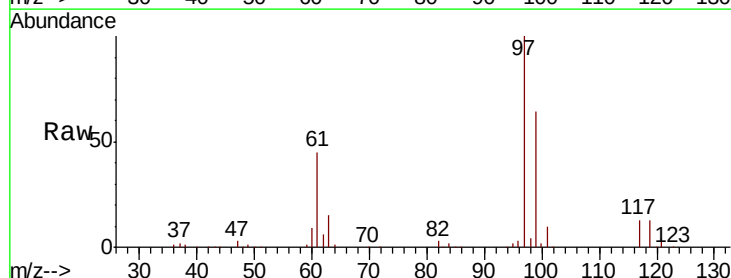


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

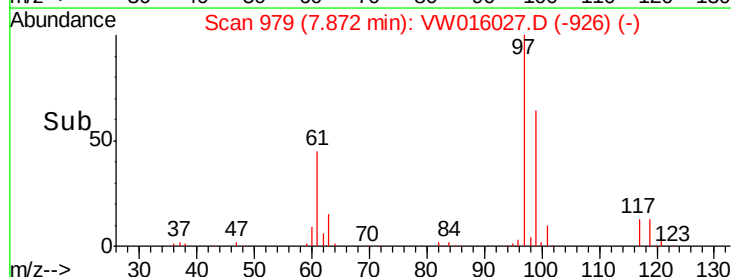
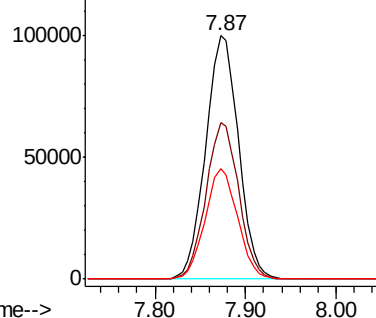


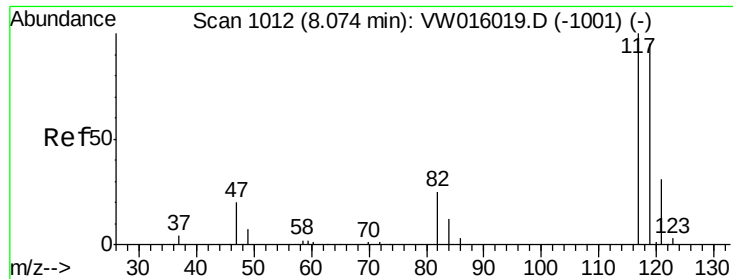
#31
1,1,1-Trichloroethane
Concen: 27.770 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Tgt Ion	97	Resp	251049
Ion Ratio	100	Lower	Upper
99	64.1	51.9	77.9
61	45.0	37.6	56.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.323 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

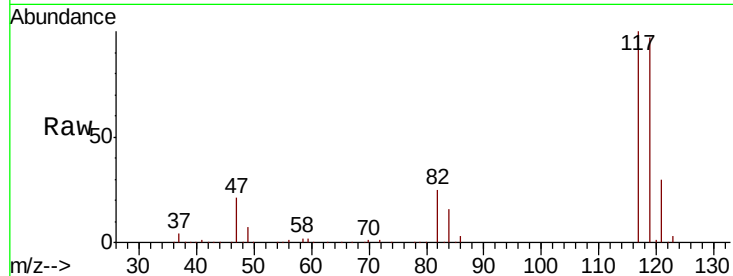
ClientSampled :

Tot Ion:117 Resp: 223985

Ion Ratio Lower Upper

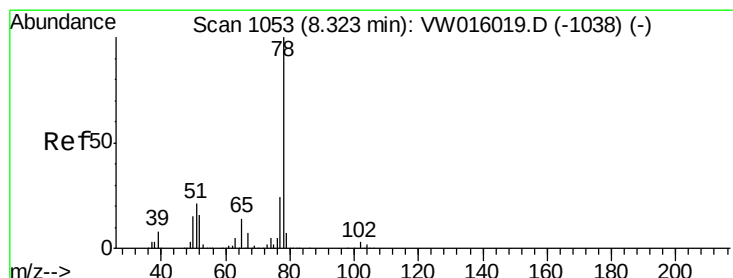
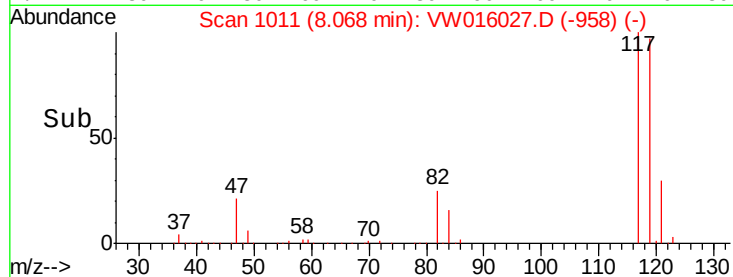
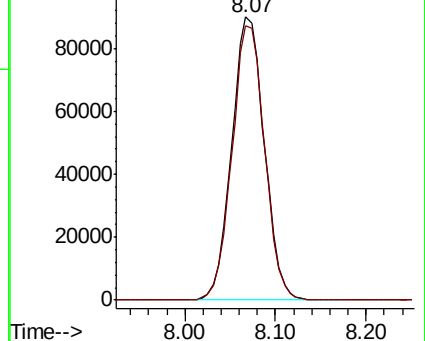
117 100

119 97.0 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.243 ug/L

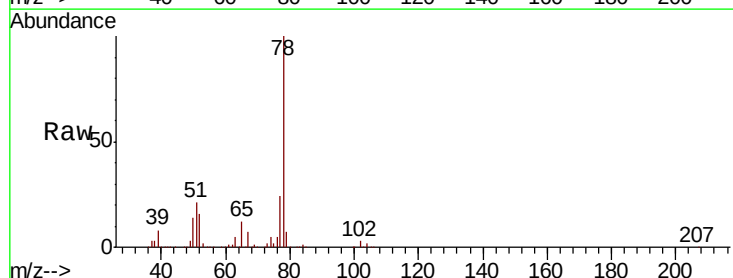
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

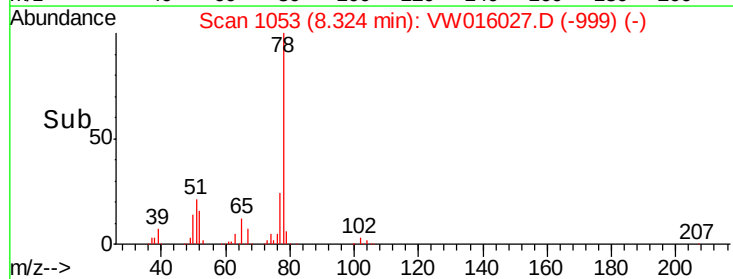
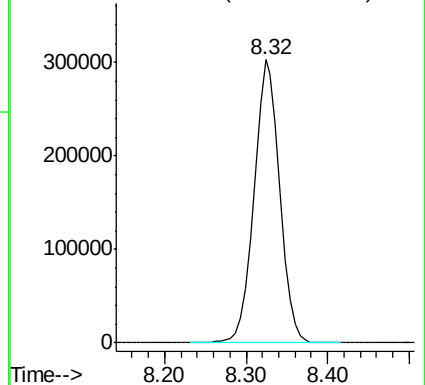
Lab File: VW016027.D

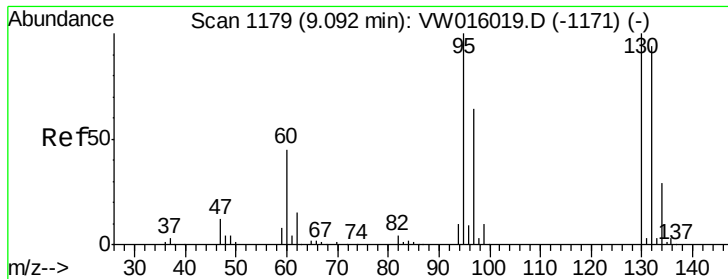
Acq: 03 Aug 2020 11:22

Tgt Ion: 78 Resp: 664123



Abundance Ion 78.00 (77.70 to 78.70): VW

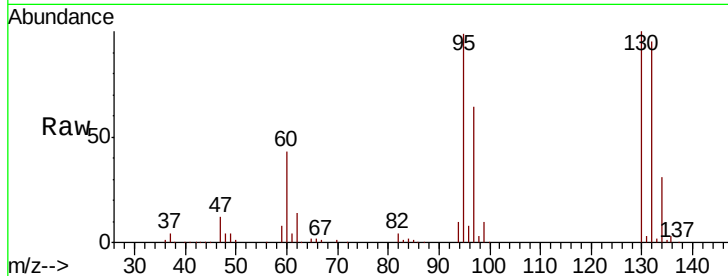




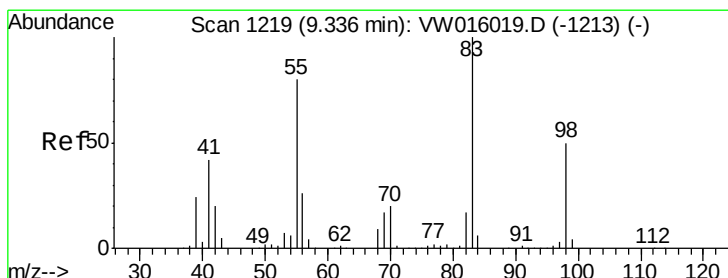
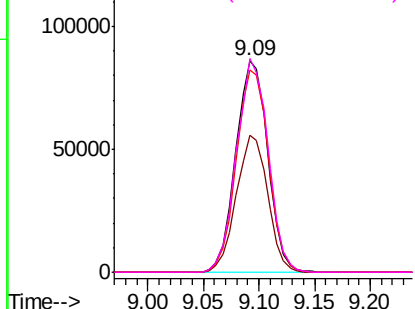
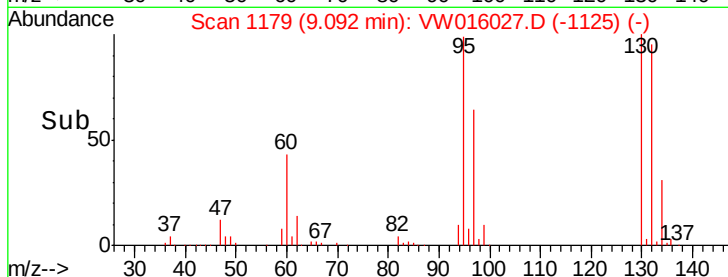
#35
 Trichloroethene
 Concen: 27.486 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:	95	Resp:	170972
Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.4	82.4
132	96.0	65.1	120.9
130	100.0	68.6	127.4

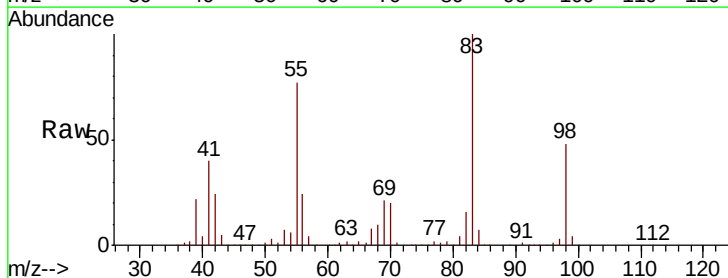


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

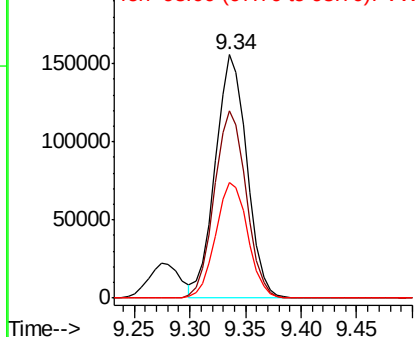
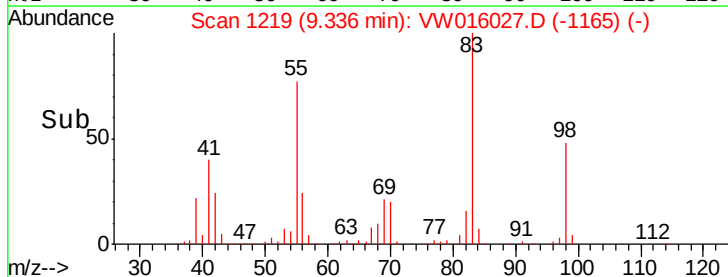


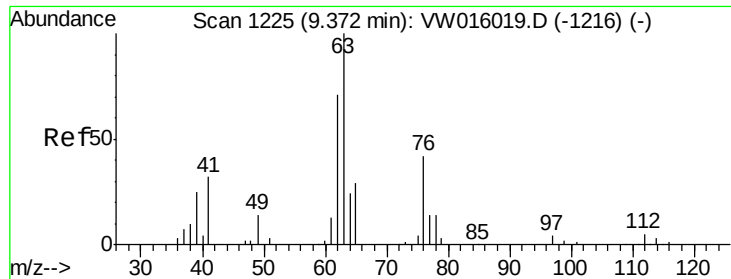
#36
 Methylcyclohexane
 Concen: 28.623 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Tgt Ion:	83	Resp:	305510
Ion	Ratio	Lower	Upper
83	100		
55	77.9	63.5	95.3
98	48.4	39.0	58.4



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

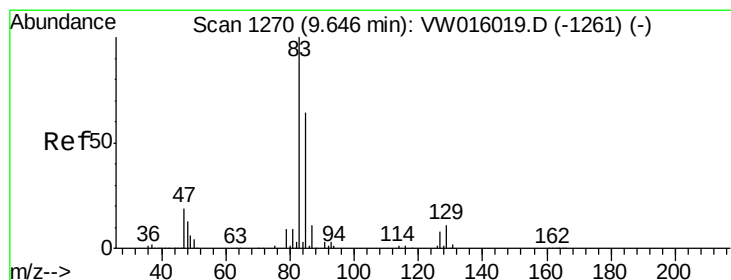
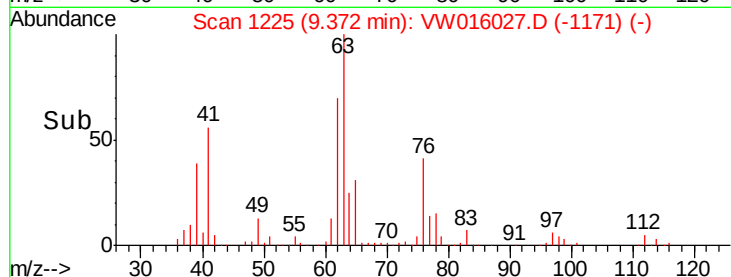
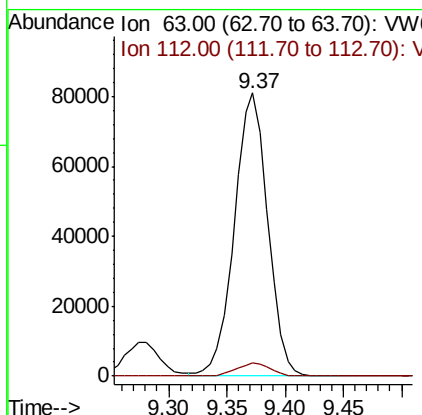
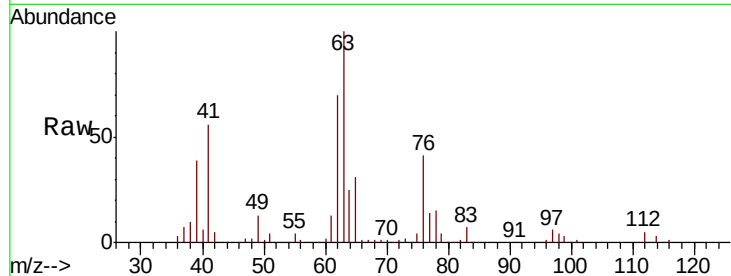




#40
 1,2-Dichloropropane
 Concen: 27.839 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

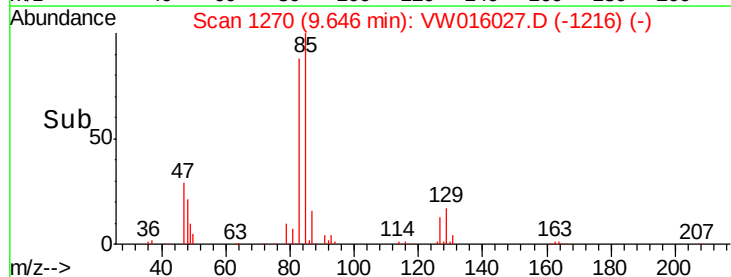
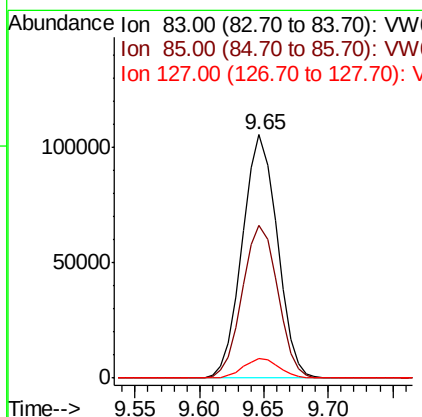
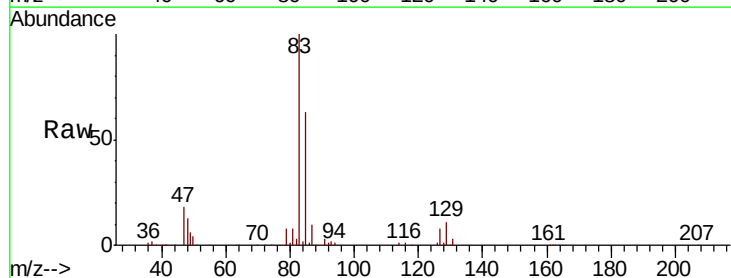
Instrument :
 MSVOA_W
 ClientSampleId :

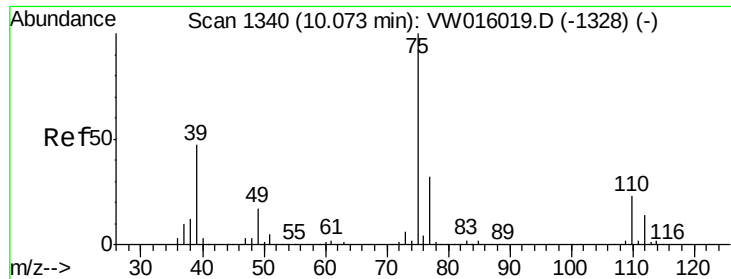
Tot Ion: 63 Resp: 162168
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#41
 Bromodichloromethane
 Concen: 26.464 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Tgt Ion: 83 Resp: 199091
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.7 81.1
 127 8.0 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 27.164 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

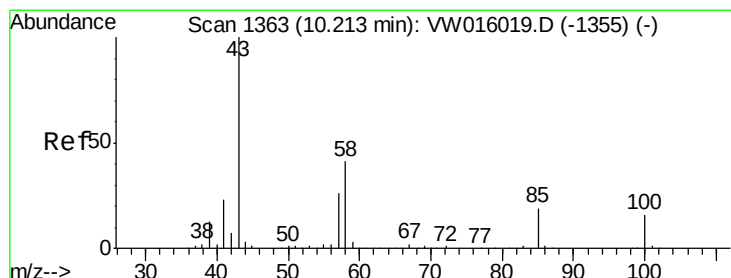
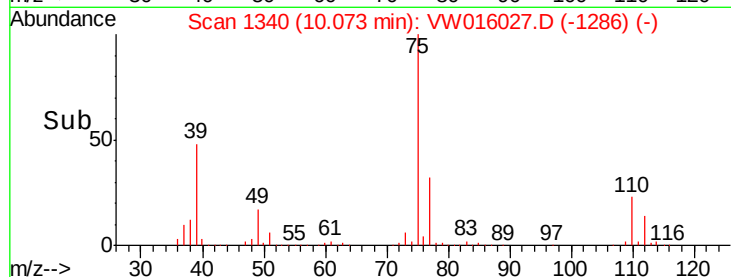
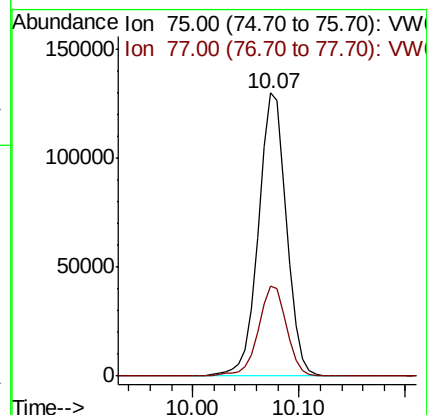
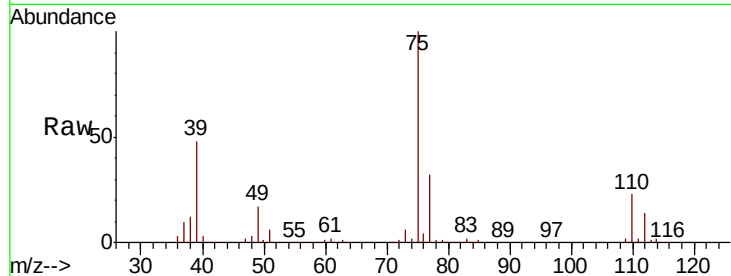
ClientSampled :

Tot Ion: 75 Resp: 241001

Ion Ratio Lower Upper

75 100

77 32.0 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 47.613 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

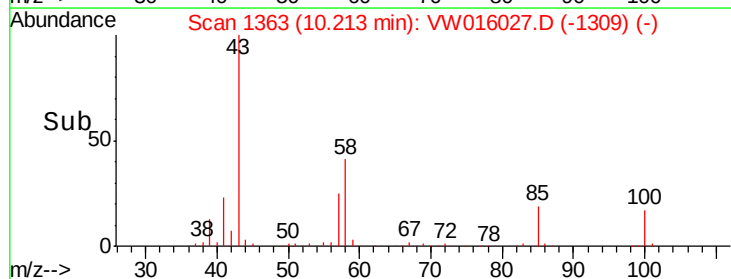
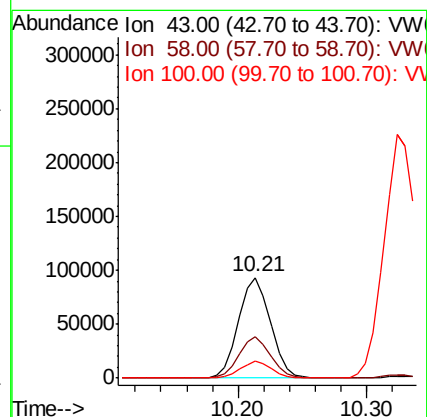
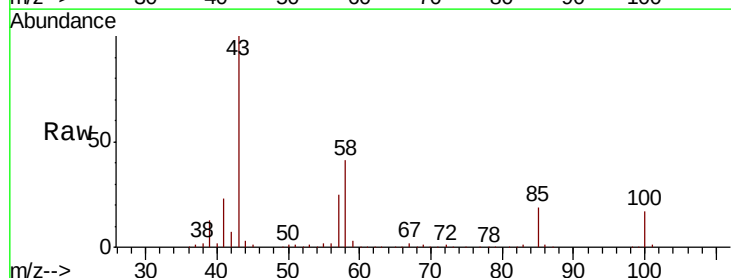
Tgt Ion: 43 Resp: 161891

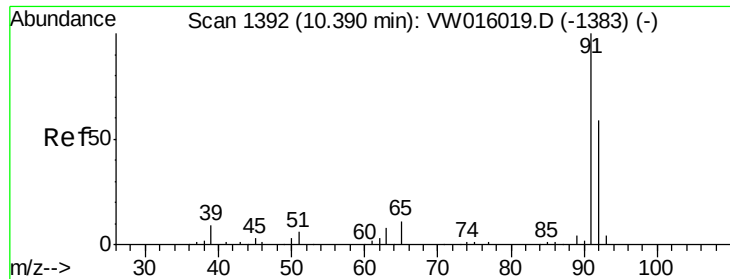
Ion Ratio Lower Upper

43 100

58 40.3 31.0 46.4

100 16.4 12.6 19.0





#44

Toluene

Concen: 28.612 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

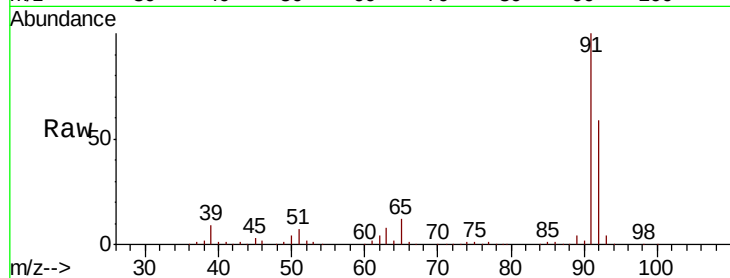
ClientSampleId :

Tot Ion: 91 Resp: 705640

Ion Ratio Lower Upper

91 100

92 59.1 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

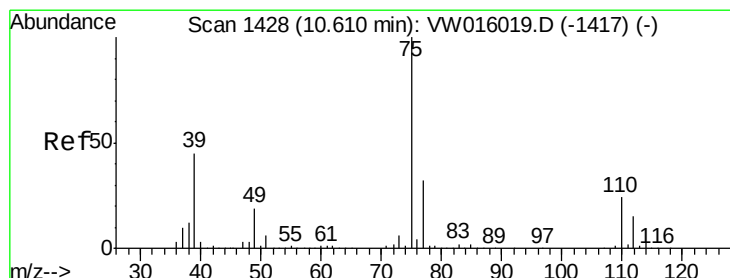
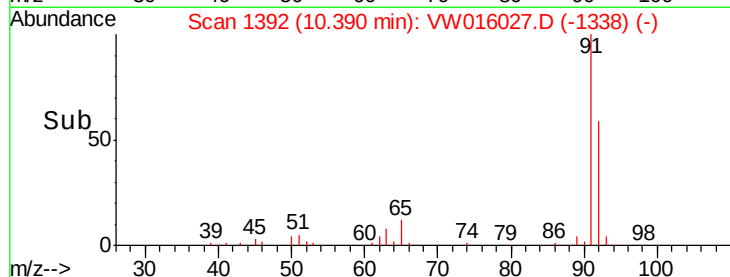
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.178 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016027.D

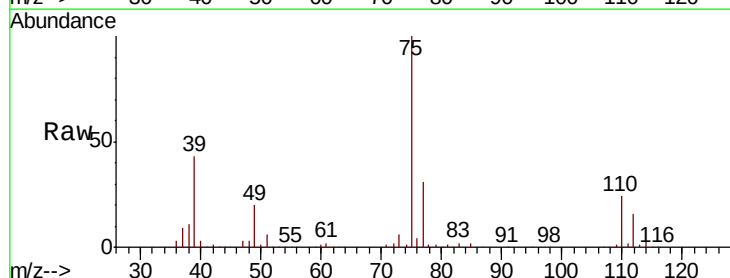
Acq: 03 Aug 2020 11:22

Tgt Ion: 75 Resp: 201314

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

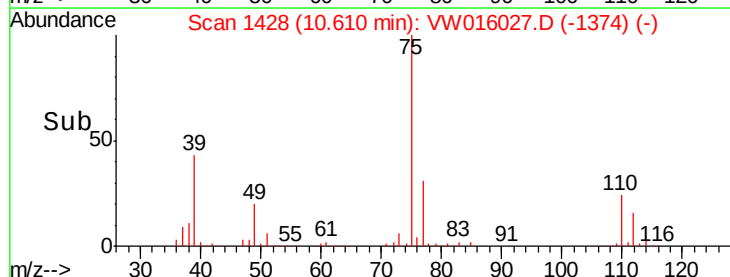
10.61

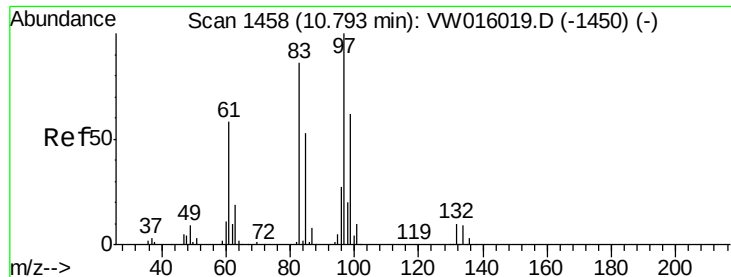
100000

50000

0

Time-->

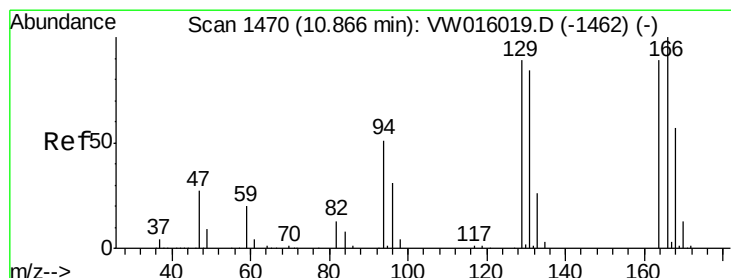
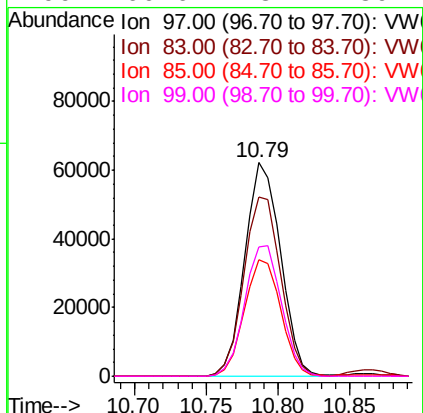
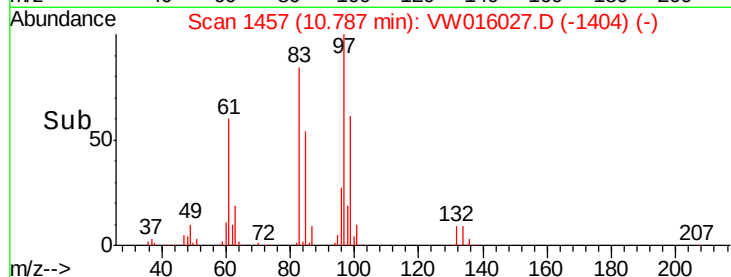
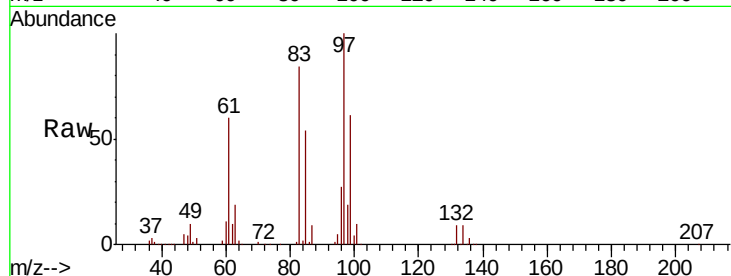




#46
1,1,2-Trichloroethane
Concen: 25.601 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

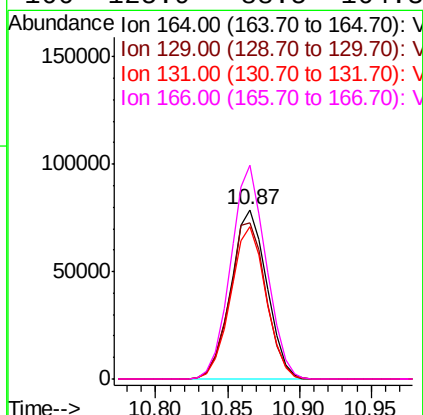
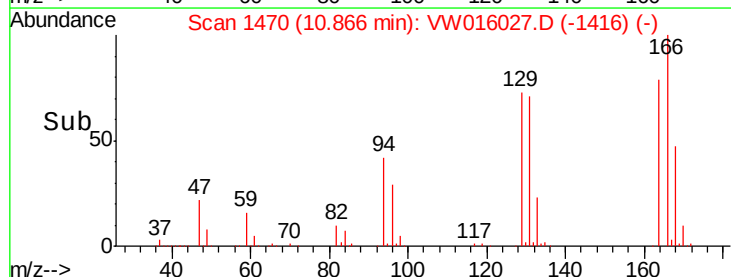
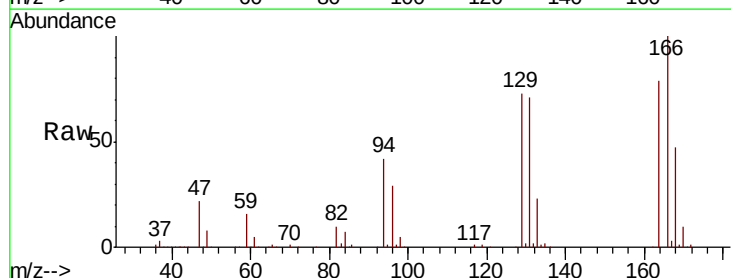
Instrument :
MSVOA_W
ClientSampleId :

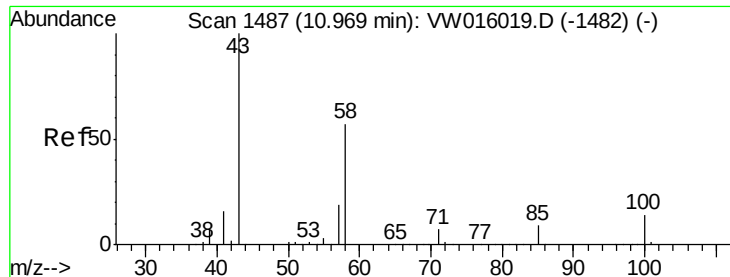
Tot Ion:	97	Resp:	107240
Ion	Ratio	Lower	Upper
97	100		
83	83.7	60.6	112.6
85	54.4	38.9	72.2
99	60.6	43.1	80.1



#47
Tetrachloroethene
Concen: 28.339 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Tgt Ion:	164	Resp:	136831
Ion	Ratio	Lower	Upper
164	100		
129	92.0	70.0	130.0
131	89.6	67.3	124.9
166	125.9	88.5	164.3





#49

2-Hexanone

Concen: 48.710 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 117531

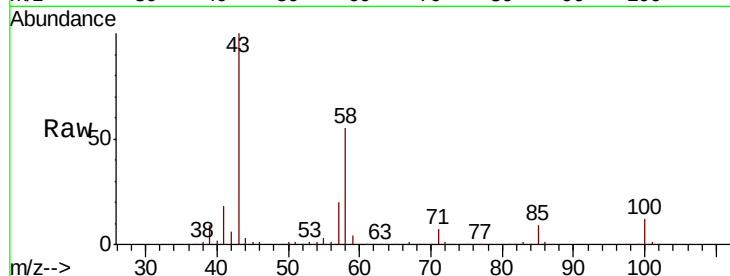
Ion Ratio Lower Upper

43 100

58 55.7 42.4 63.6

57 19.3 15.6 23.4

100 12.5 9.8 14.6

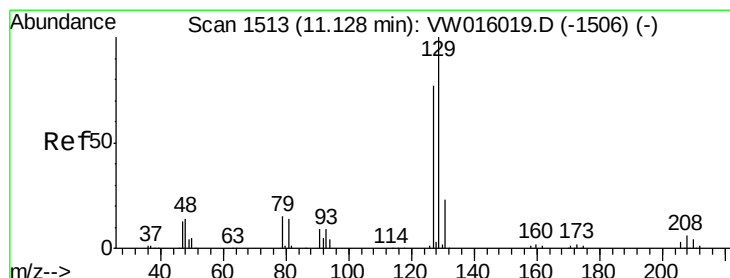
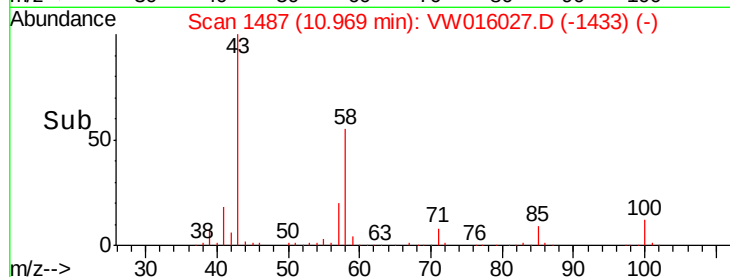
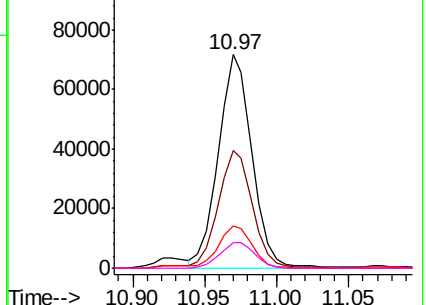


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#50

Dibromochloromethane

Concen: 25.592 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016027.D

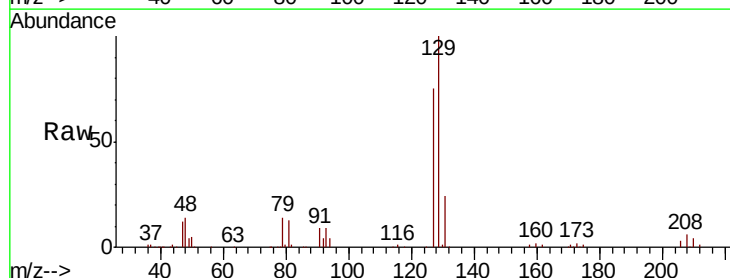
Acq: 03 Aug 2020 11:22

Tgt Ion: 129 Resp: 124117

Ion Ratio Lower Upper

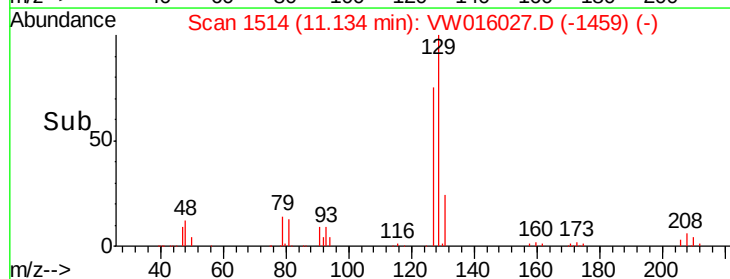
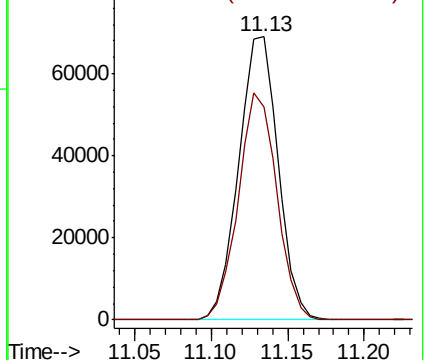
129 100

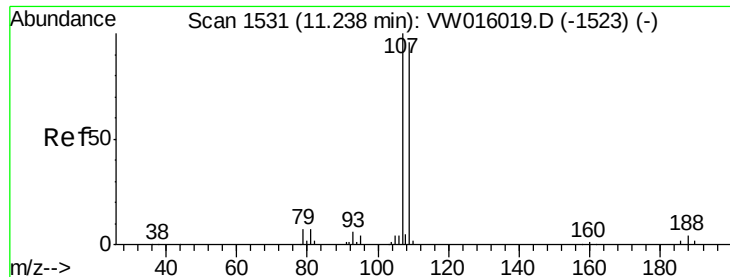
127 75.1 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

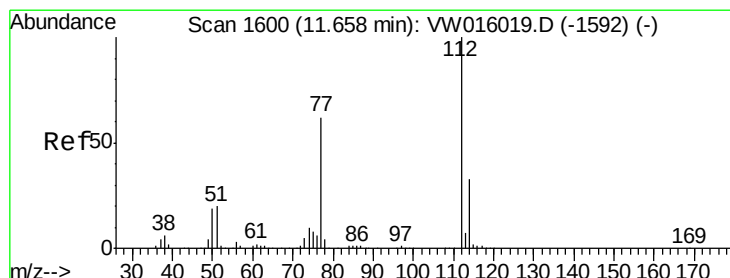
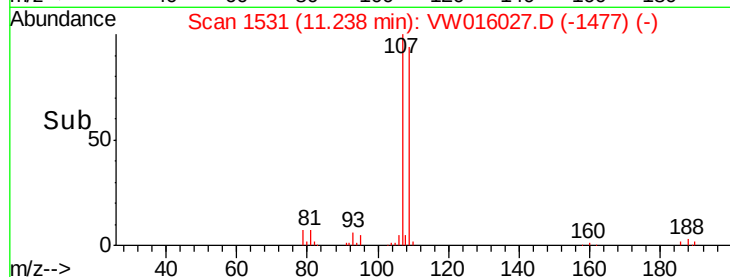
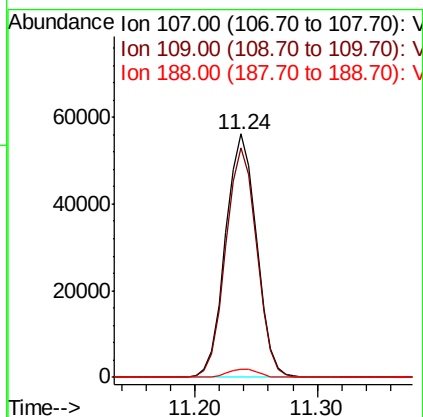
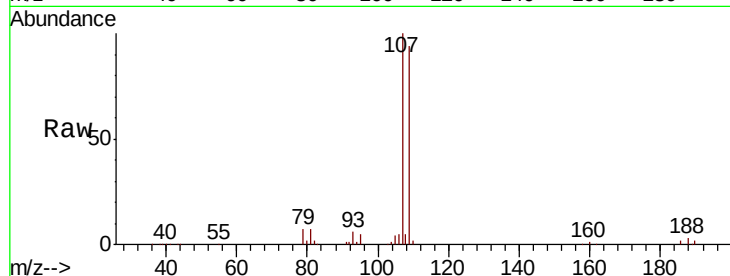




#51
1,2-Dibromoethane
Concen: 24.649 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

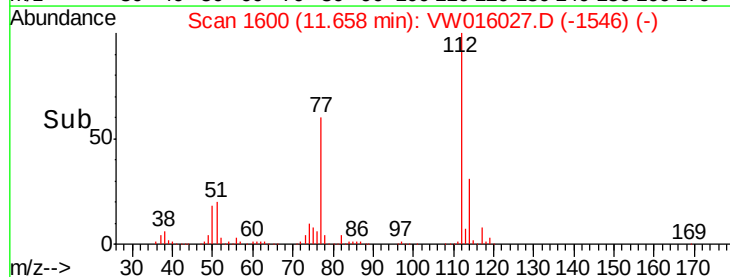
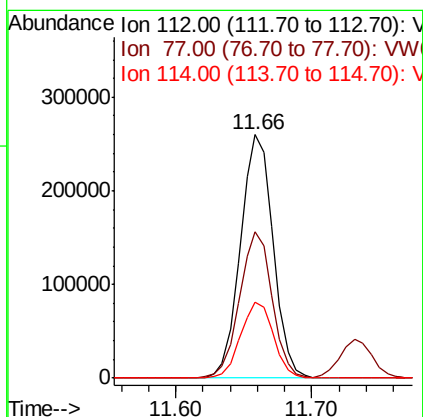
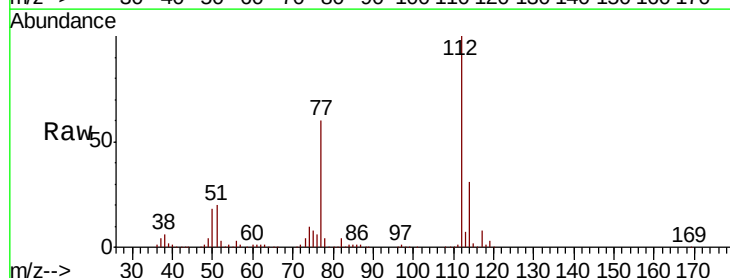
Instrument :
MSVOA_W
ClientSampleId :

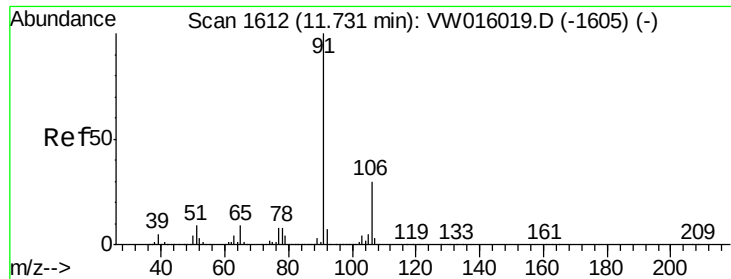
Tot Ion:107 Resp: 98776
Ion Ratio Lower Upper
107 100
109 94.1 66.9 124.3
188 3.5 3.2 4.8



#52
Chlorobenzene
Concen: 27.549 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Tgt Ion:112 Resp: 435364
Ion Ratio Lower Upper
112 100
77 60.1 47.8 71.6
114 31.1 22.1 41.1

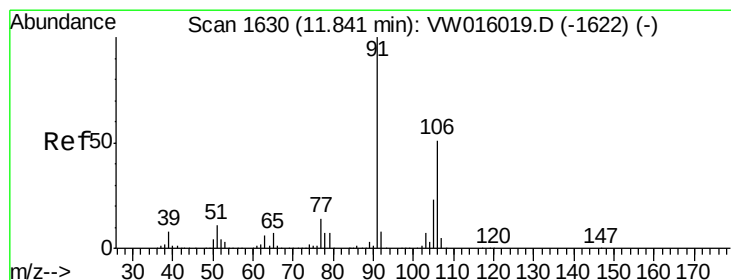
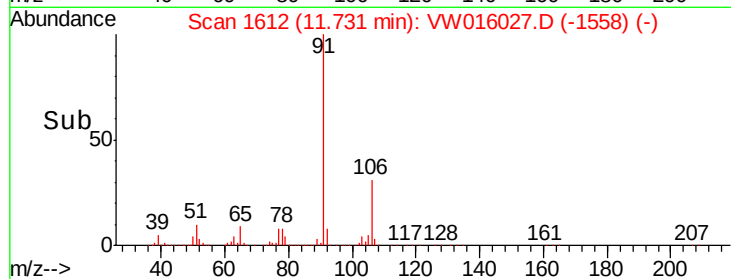
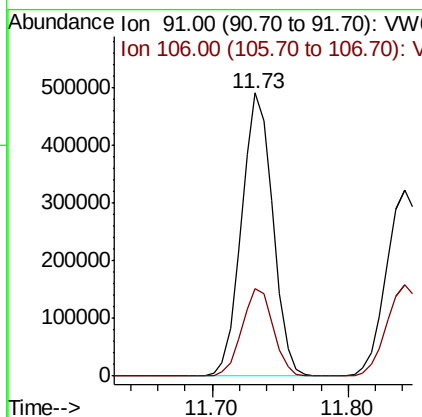
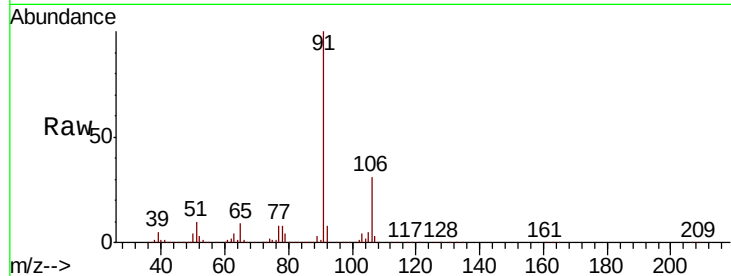




#53
Ethylbenzene
Concen: 28.436 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

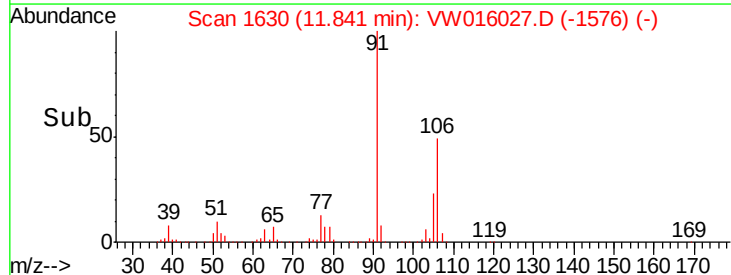
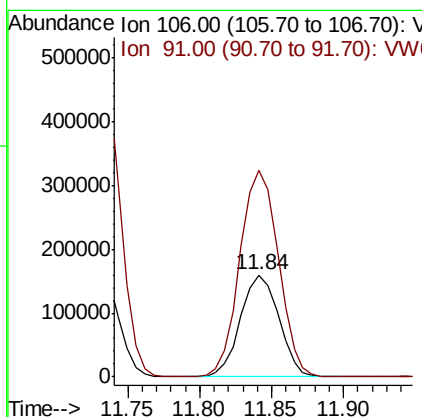
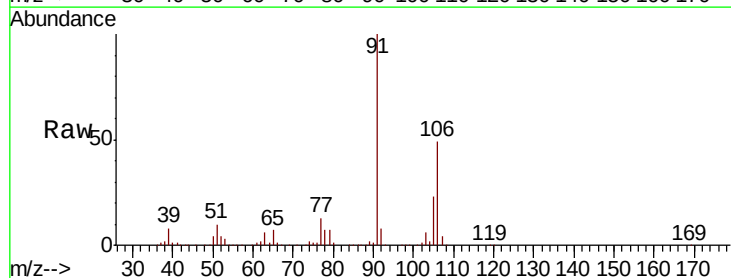
Instrument :
MSVOA_W
ClientSampled :

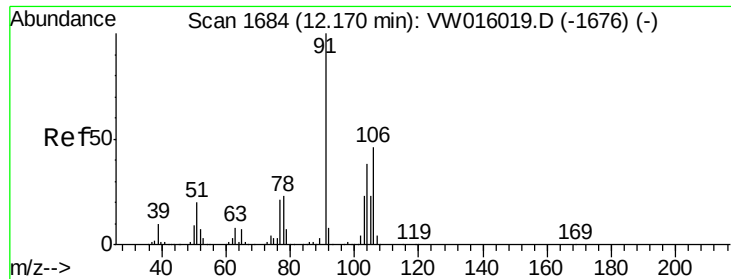
Tot Ion: 91 Resp: 788610
Ion Ratio Lower Upper
91 100
106 30.8 22.4 41.6



#54
m,p-Xylene
Concen: 28.573 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016027.D
Acq: 03 Aug 2020 11:22

Tgt Ion: 106 Resp: 296464
Ion Ratio Lower Upper
106 100
91 202.4 144.1 267.5





#55

o-xylene

Concen: 28.848 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

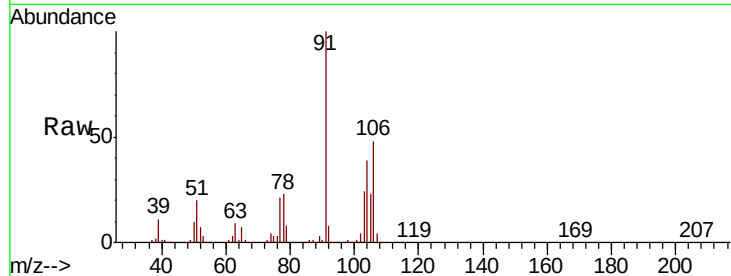
ClientSampled :

Tot Ion:106 Resp: 281841

Ion Ratio Lower Upper

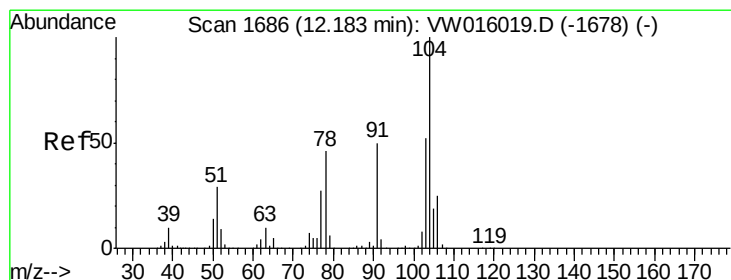
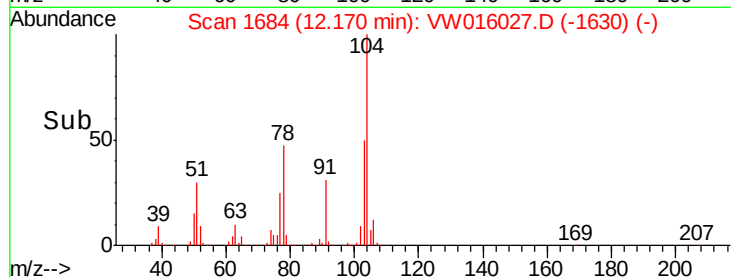
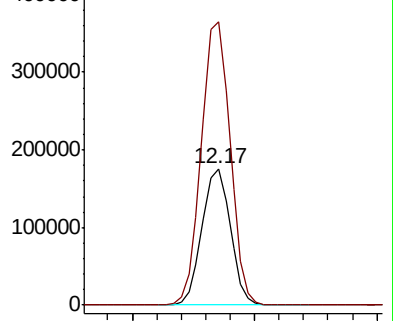
106 100

91 207.7 146.8 272.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.521 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016027.D

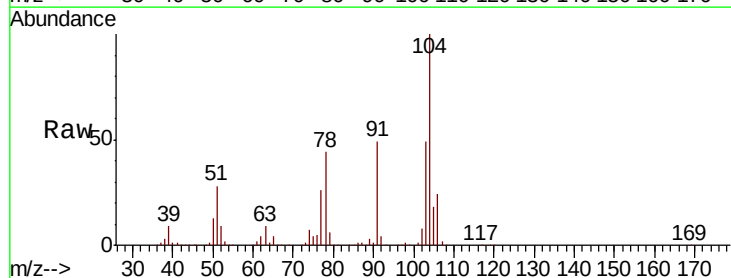
Acq: 03 Aug 2020 11:22

Tgt Ion:104 Resp: 473864

Ion Ratio Lower Upper

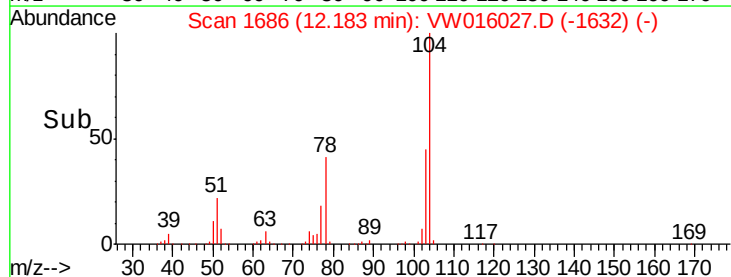
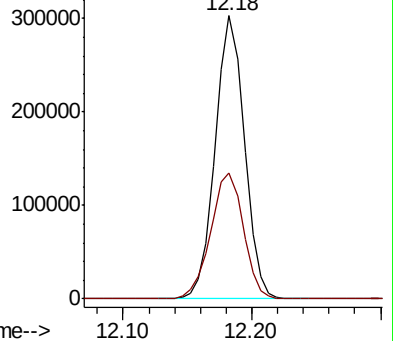
104 100

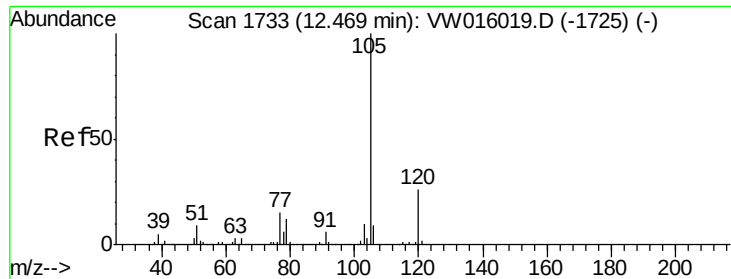
78 44.5 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 29.022 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

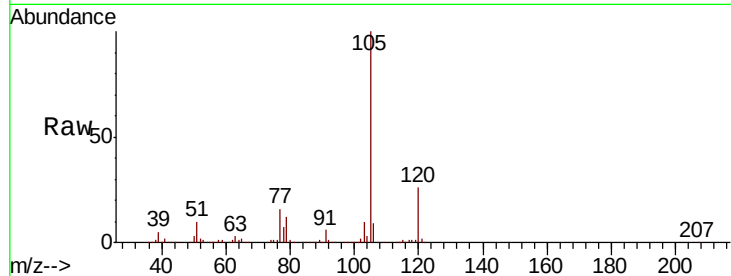
Tot Ion: 105 Resp: 771861

Ion Ratio Lower Upper

105 100

120 26.1 20.4 30.6

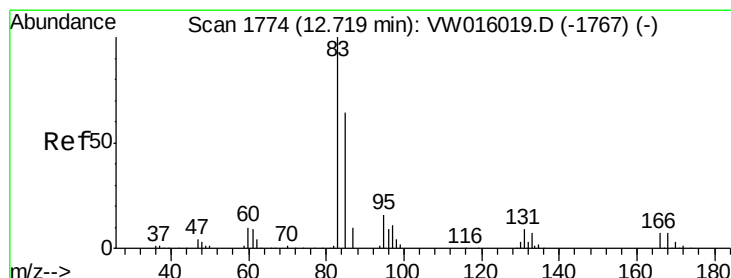
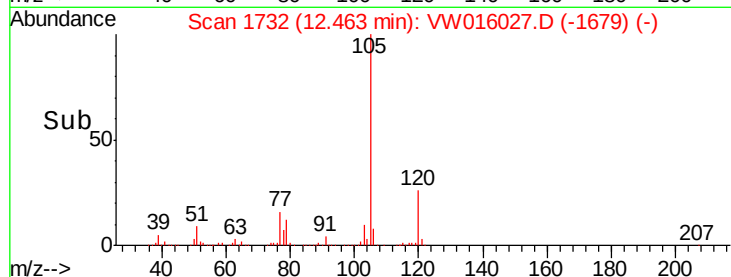
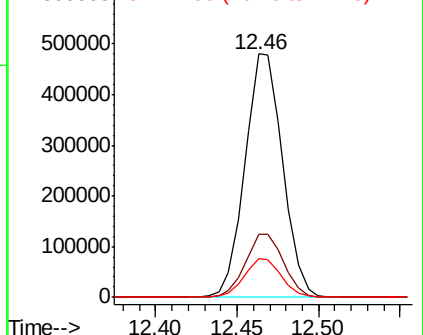
77 15.7 12.9 19.3



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



#58

1,1,2,2-Tetrachloroethane

Concen: 24.595 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

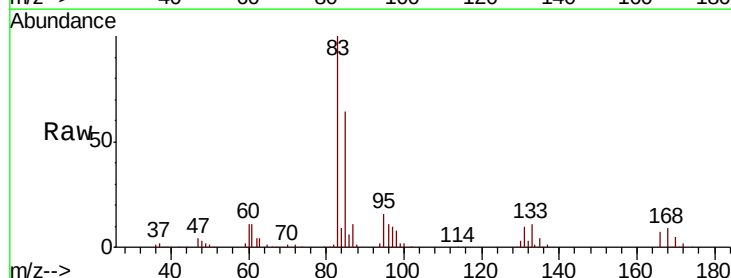
Tgt Ion: 83 Resp: 120983

Ion Ratio Lower Upper

83 100

85 64.2 45.1 83.7

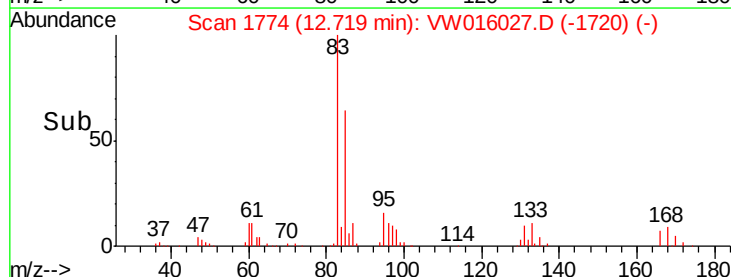
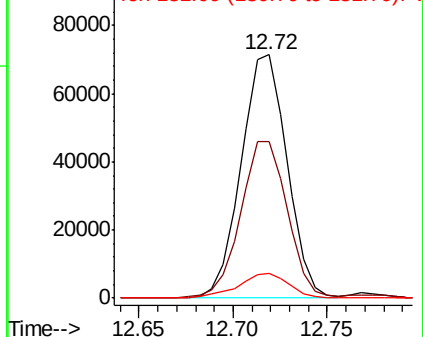
131 10.4 8.2 12.4

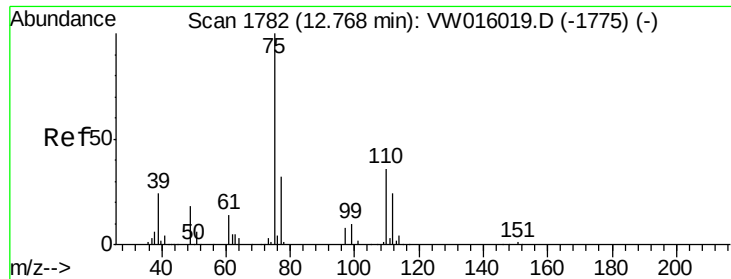


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

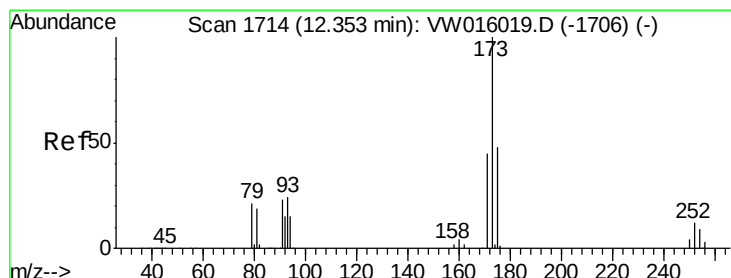
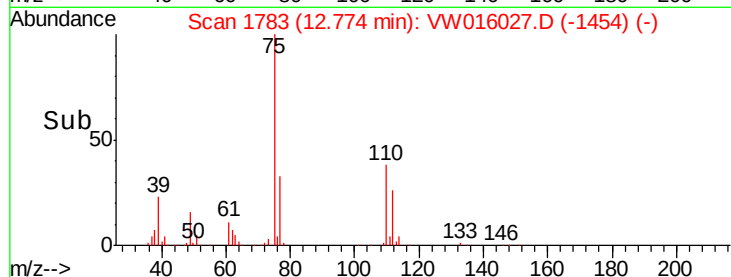
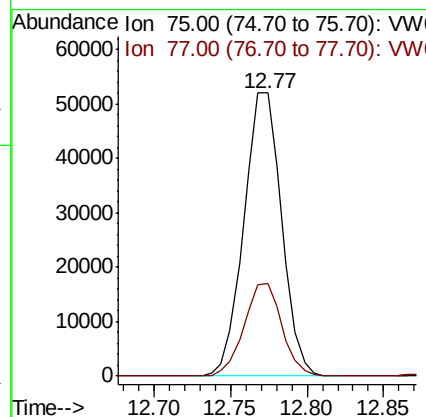
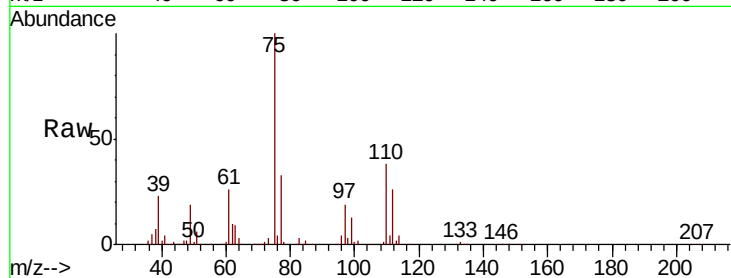




#59
 1,2,3-Trichloropropane
 Concen: 24.245 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

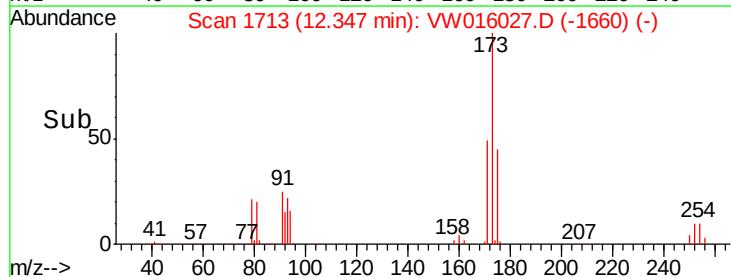
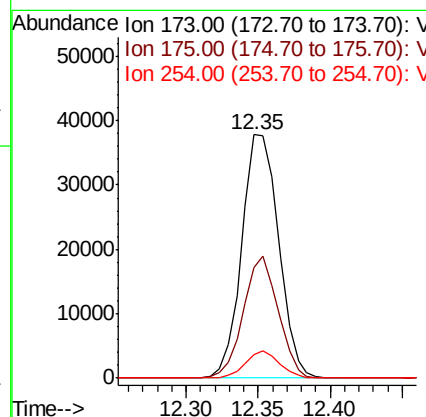
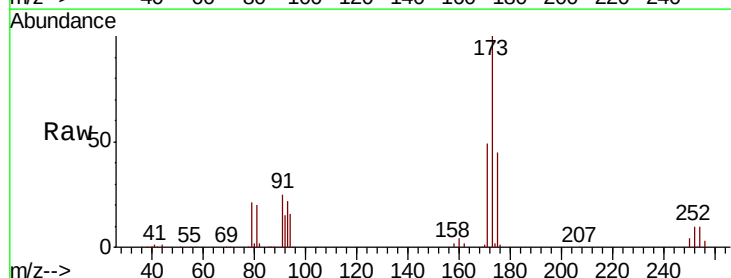
Instrument :
 MSVOA_W
 ClientSampleId :

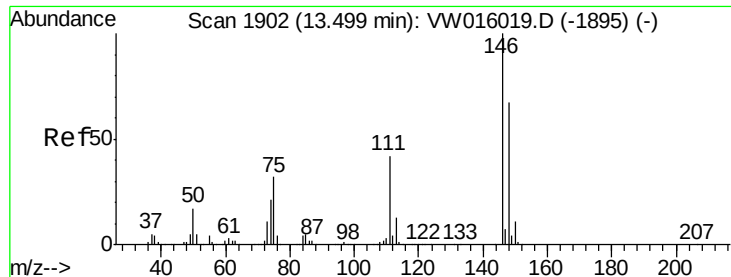
Tot Ion: 75 Resp: 89354
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.0 39.0



#62
 Bromoform
 Concen: 25.334 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Tgt Ion: 173 Resp: 67288
 Ion Ratio Lower Upper
 173 100
 175 47.1 38.7 58.1
 254 10.1 7.9 11.9

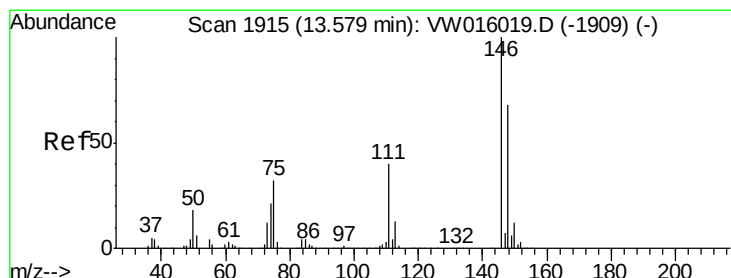
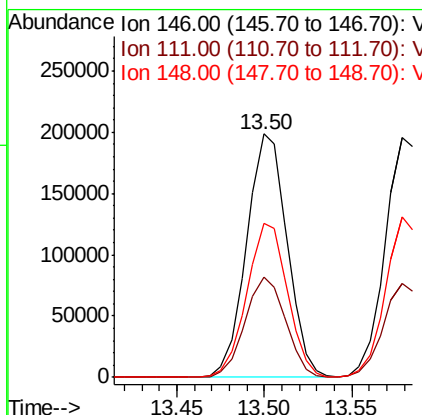
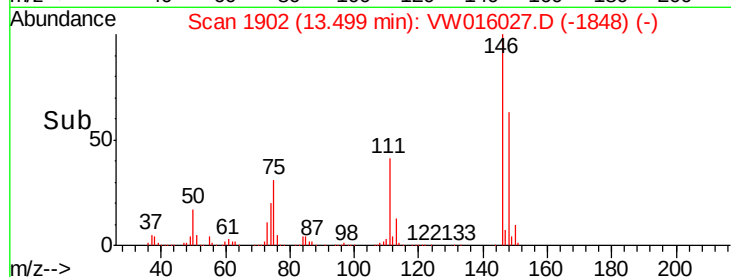
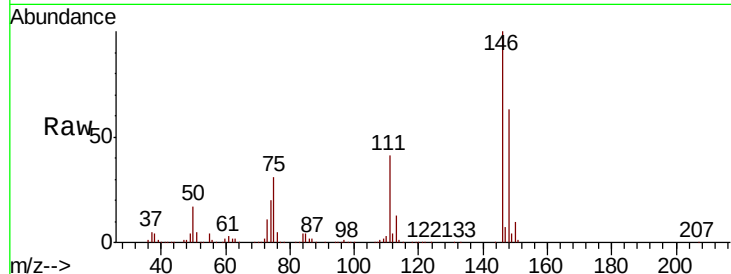




#63
 1,3-Dichlorobenzene
 Concen: 27.734 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

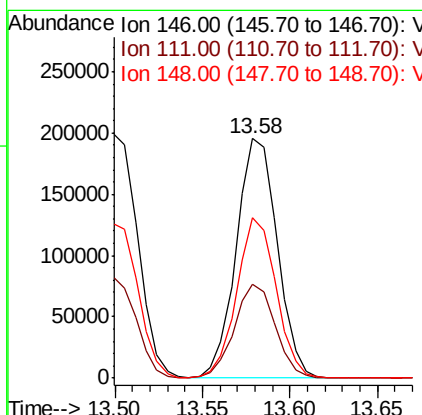
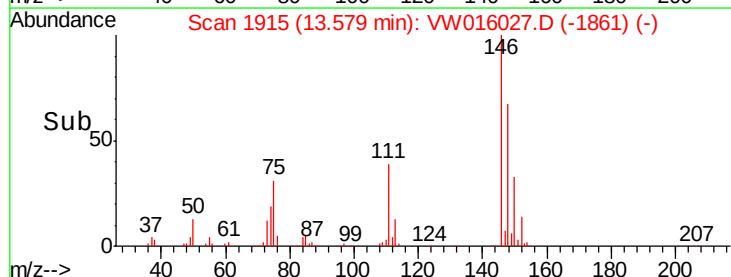
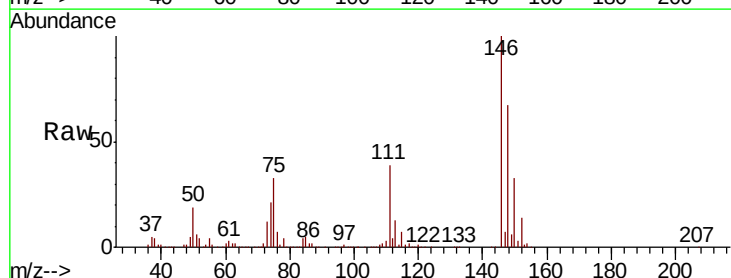
Instrument :
 MSVOA_W
 ClientSampleId :

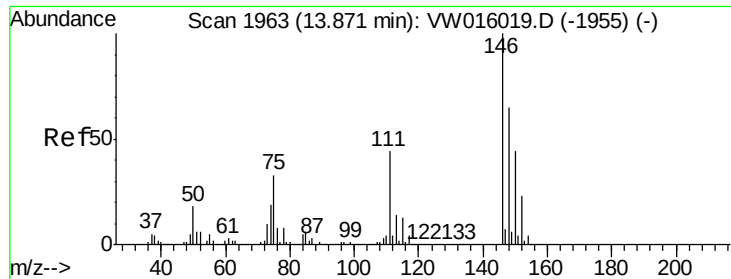
Tot Ion:146 Resp: 320494
 Ion Ratio Lower Upper
 146 100
 111 41.3 27.9 51.7
 148 63.1 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 27.146 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Tgt Ion:146 Resp: 318364
 Ion Ratio Lower Upper
 146 100
 111 39.3 29.3 54.3
 148 67.0 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 27.132 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampled :

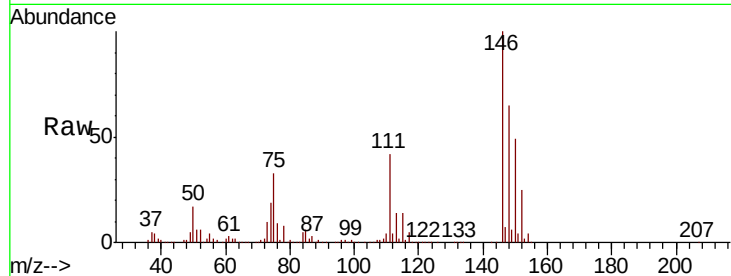
Tot Ion:146 Resp: 284788

Ion Ratio Lower Upper

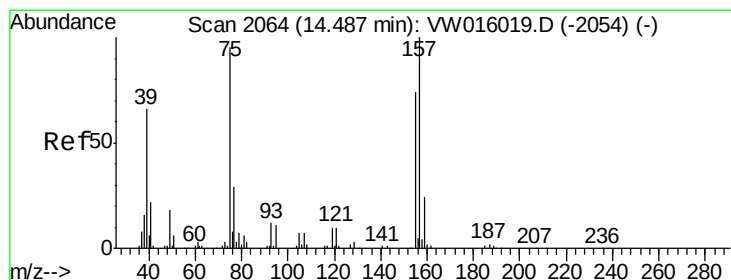
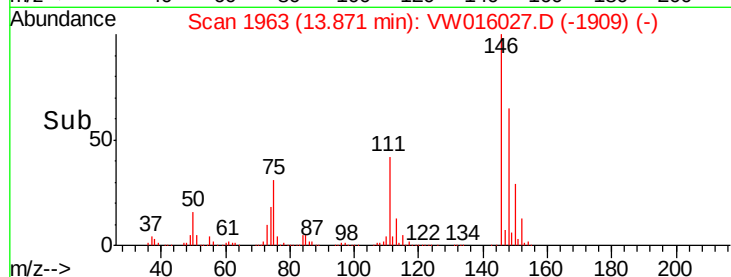
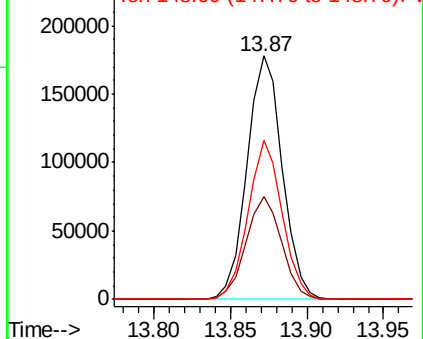
146 100

111 42.4 32.9 49.3

148 65.2 48.8 73.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 22.485 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

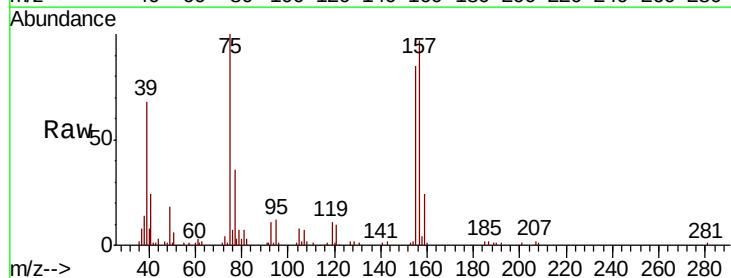
Tgt Ion: 75 Resp: 17764

Ion Ratio Lower Upper

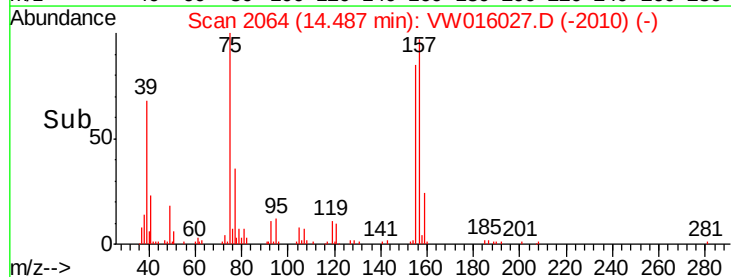
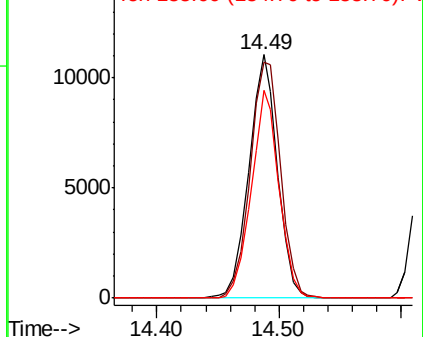
75 100

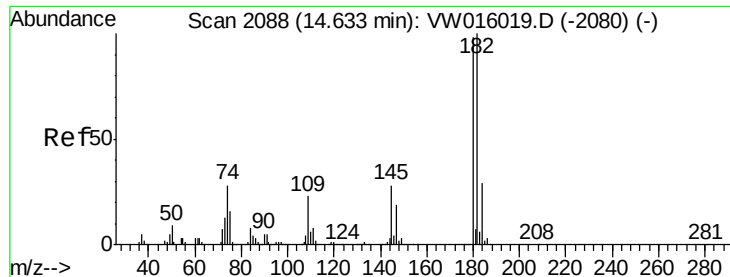
157 96.6 83.0 124.4

155 85.2 66.9 100.3



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

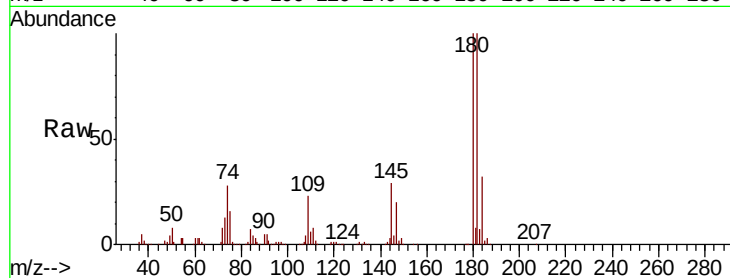




#67
 1,3,5-Trichlorobenzene
 Concen: 27.274 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	221608
Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.4	113.0
184	30.8	24.6	37.0
145	30.8	24.1	36.1



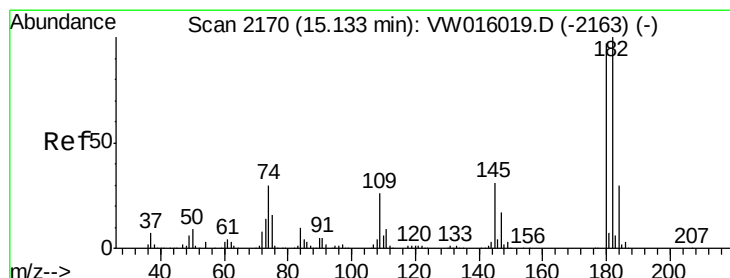
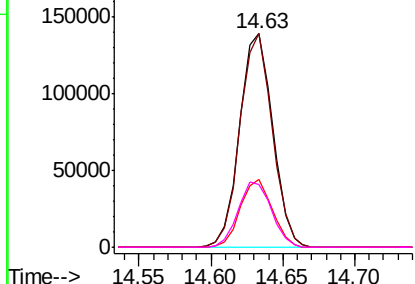
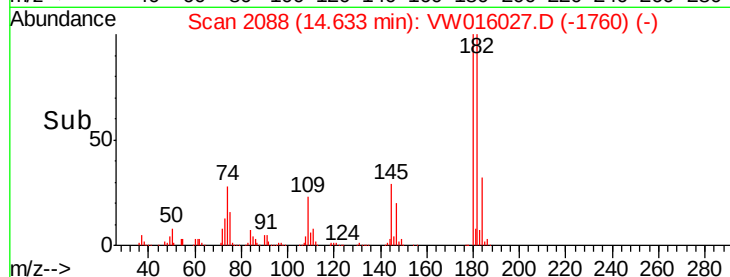
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

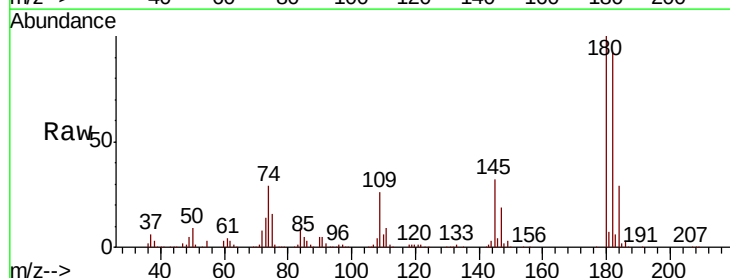
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.029 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016027.D
 Acq: 03 Aug 2020 11:22

Tgt Ion:	180	Resp:	174441
Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.0	114.0
145	30.5	24.3	36.5

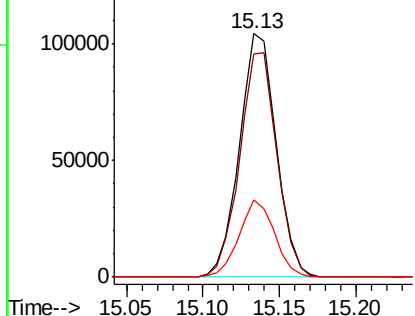
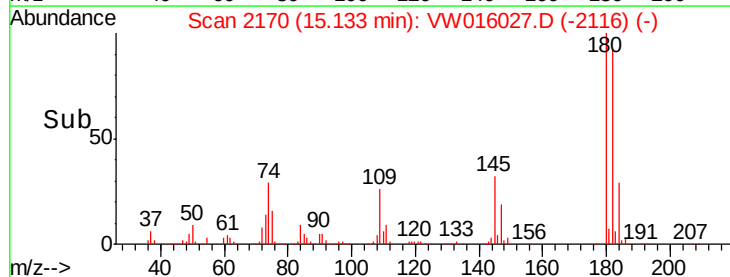


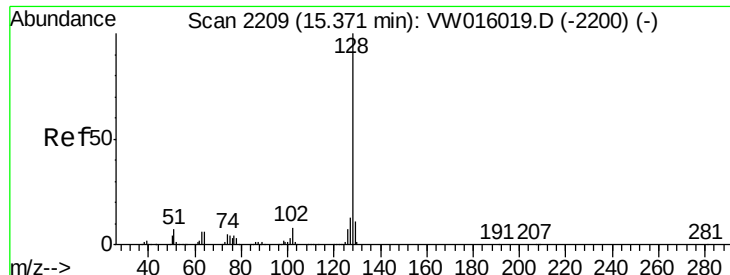
Abundance

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: 24.202 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

Instrument :

MSVOA_W

ClientSampleId :

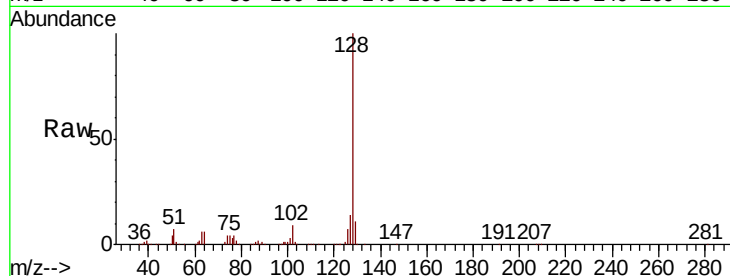
Tot Ion:128 Resp: 294264

Ion Ratio Lower Upper

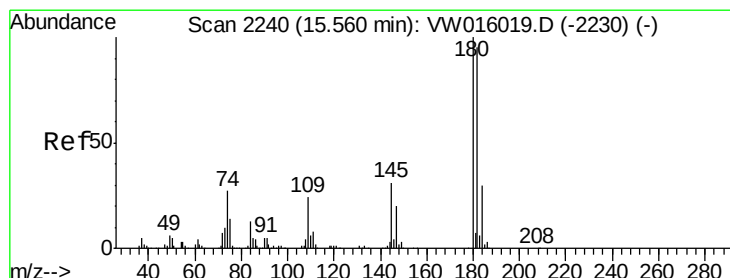
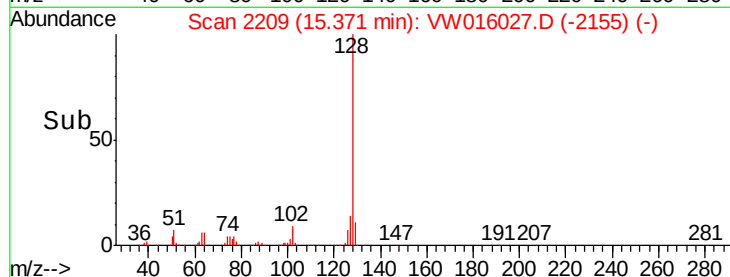
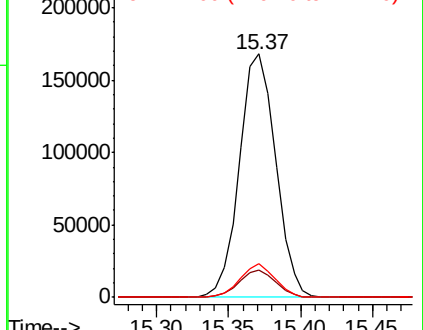
128 100

129 11.0 8.6 12.8

127 13.1 10.5 15.7



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: 25.823 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016027.D

Acq: 03 Aug 2020 11:22

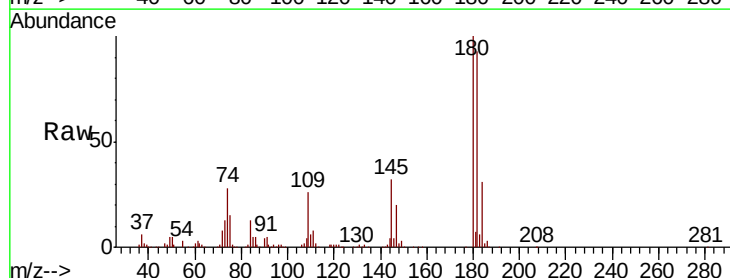
Tgt Ion:180 Resp: 148496

Ion Ratio Lower Upper

180 100

182 94.9 74.0 111.0

145 32.6 25.9 38.9



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

