

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
 Data File : VW015134.D
 Acq On : 25 Mar 2020 13:16
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 05:04:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 14:13:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	638887	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	575139	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	251552	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	274555	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.56%
7) Chloroethane-d5	2.89	69	229995	25.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.12%
10) 1,1-Dichloroethene-d2	4.02	63	568790	25.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.60%
20) 2-Butanone-d5	7.08	46	150672	59.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.98%
24) Chloroform-d	7.65	84	475971	24.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.72%
26) 1,2-Dichloroethane-d4	8.31	65	281293	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.76%
29) Benzene-d6	8.27	84	951097	25.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.36%
33) 1,2-Dichloropropane-d6	9.27	67	312315	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.16%
37) Toluene-d8	10.32	98	831420	26.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.00%
38) trans-1,3-Dichloropropene-	10.58	79	126617	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.24%
39) 2-Hexanone-d5	10.92	63	107822	59.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	227311	27.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	224022	25.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	112238	22.580	ug/L	98
3) Chloromethane	2.21	50	210618	22.915	ug/L	99
5) Vinyl chloride	2.37	62	304193	23.753	ug/L	99
6) Bromomethane	2.78	94	166778	23.593	ug/L	100
8) Chloroethane	2.93	64	183798	23.575	ug/L	98
9) Trichlorofluoromethane	3.26	101	180814	25.226	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	243995	24.469	ug/L	99
12) 1,1-Dichloroethene	4.04	96	232759	24.597	ug/L	97
13) Acetone	4.13	43	145957	65.117	ug/L	99
14) Carbon disulfide	4.39	76	855351	24.300	ug/L	100
15) Methyl Acetate	4.67	43	139665	26.378	ug/L	98
16) Methylene chloride	4.92	84	254711	23.325	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	333239	27.120	ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	240221	24.423	ug/L	95
19) 1,1-Dichloroethane	6.21	63	510428	24.217	ug/L	96
21) 2-Butanone	7.17	43	191899	60.446	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	246618	25.248	ug/L	98

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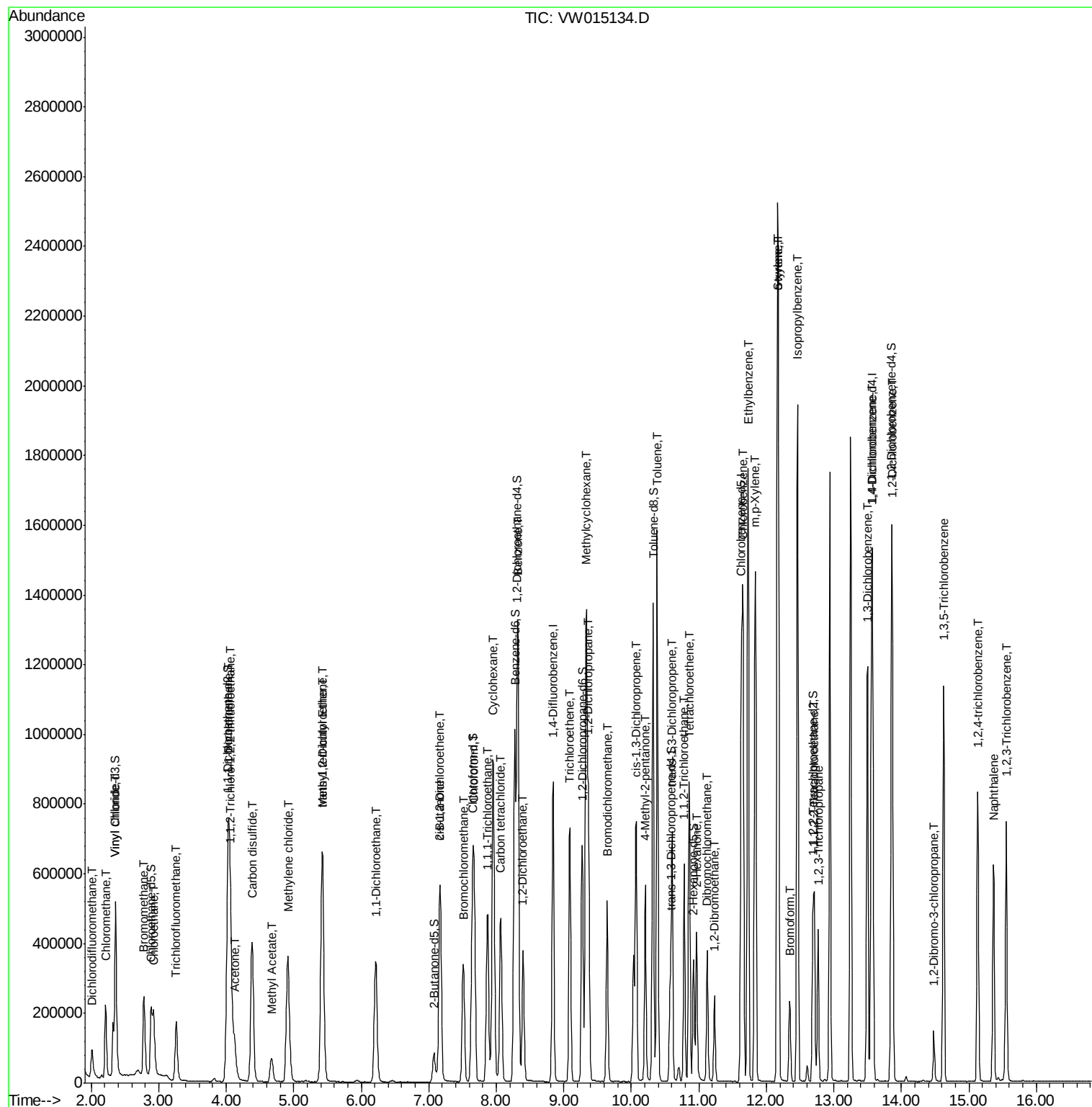
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	98176	24.482	ug/L	95
25) Chloroform	7.67	83	461444	24.235	ug/L	99
27) 1,2-Dichloroethane	8.40	62	343737	25.137	ug/L	100
30) Cyclohexane	7.95	56	508080	27.075	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	373847	24.743	ug/L	99
32) Carbon tetrachloride	8.07	117	324519	24.756	ug/L	100
34) Benzene	8.32	78	1079335	25.367	ug/L	100
35) Trichloroethene	9.09	95	254687	24.589	ug/L	99
36) Methylcyclohexane	9.34	83	478257	26.877	ug/L	100
40) 1,2-Dichloropropane	9.37	63	291988	24.884	ug/L	100
41) Bromodichloromethane	9.64	83	330021	24.720	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	405910	26.328	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	391789	59.016	ug/L	99
44) Toluene	10.38	91	1090322	25.915	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	358931	26.625	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	174873	25.353	ug/L	99
47) Tetrachloroethene	10.86	164	161533	24.166	ug/L	97
49) 2-Hexanone	10.97	43	284943	64.358	ug/L	98
50) Dibromochloromethane	11.13	129	180162	25.407	ug/L	97
51) 1,2-Dibromoethane	11.23	107	161074	26.369	ug/L	100
52) Chlorobenzene	11.66	112	610664	24.832	ug/L	99
53) Ethylbenzene	11.73	91	1188716	26.158	ug/L	99
54) m,p-Xylene	11.83	106	418028	26.239	ug/L	98
55) o-xylene	12.16	106	394702	26.427	ug/L	98
56) Styrene	12.18	104	683235	26.878	ug/L	95
57) Isopropylbenzene	12.46	105	1114814	27.091	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	229030	26.530	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	172797	26.760	ug/L	100
62) Bromoform	12.35	173	93085	25.454	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	415937	25.229	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	416243	24.677	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	380469	25.359	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	37533	26.262	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	276343	26.037	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	222523	27.817	ug/L	100
69) Naphthalene	15.36	128	467795	30.075	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	203346	27.354	ug/L	99

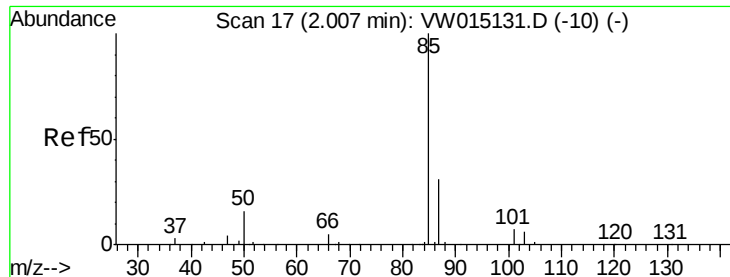
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.580 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

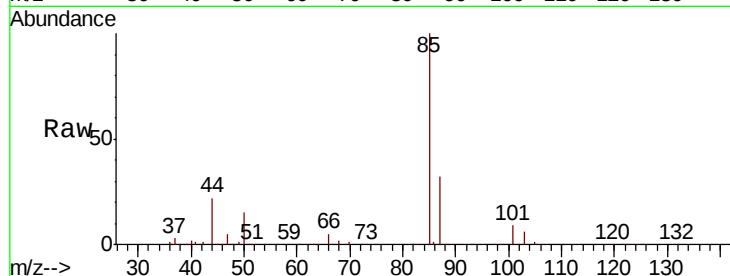
ClientSampled :

Tot Ion: 85 Resp: 112238

Ion Ratio Lower Upper

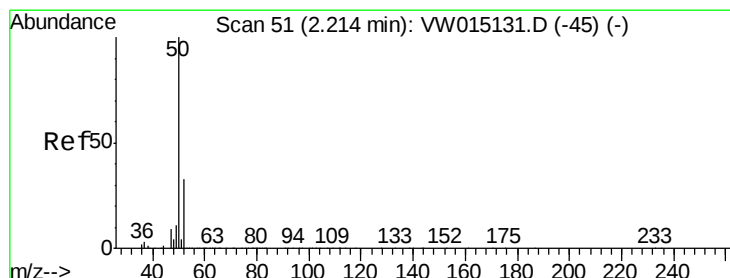
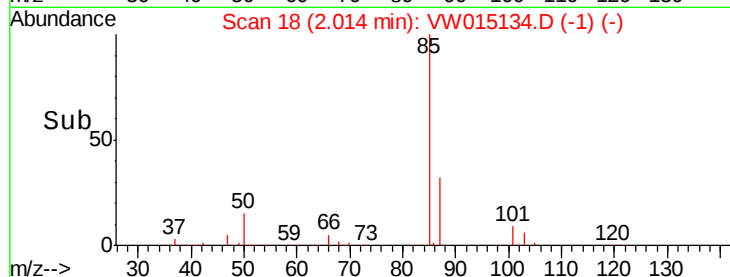
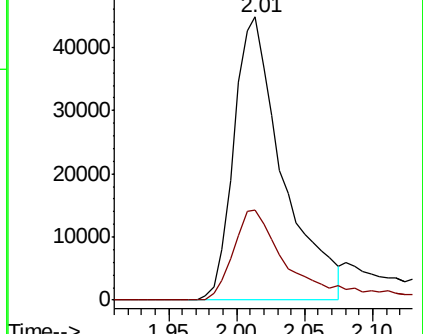
85 100

87 32.2 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.915 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015134.D

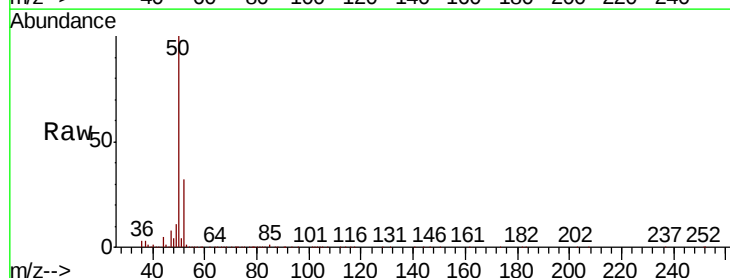
Acq: 25 Mar 2020 13:16

Tgt Ion: 50 Resp: 210618

Ion Ratio Lower Upper

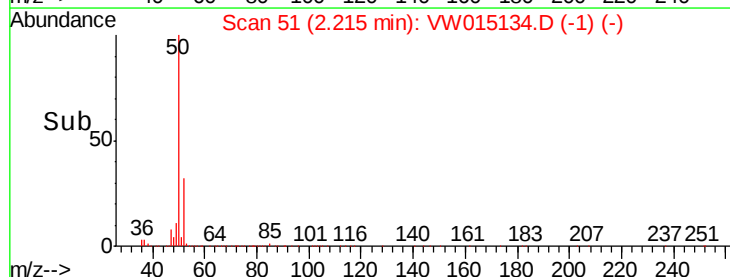
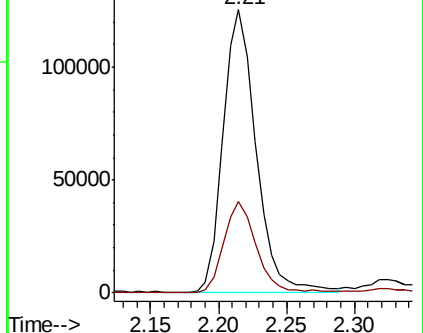
50 100

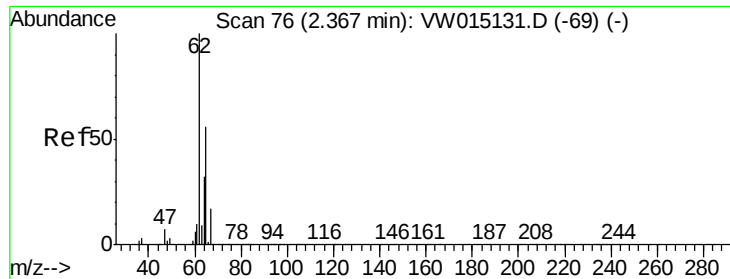
52 32.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.753 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

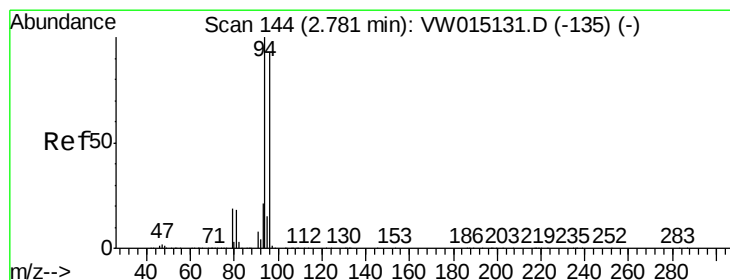
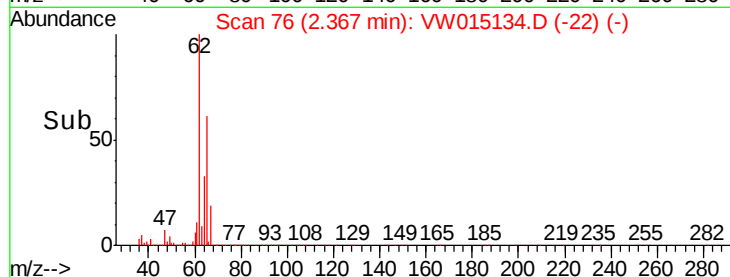
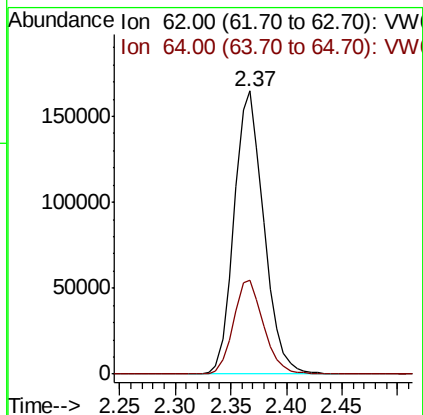
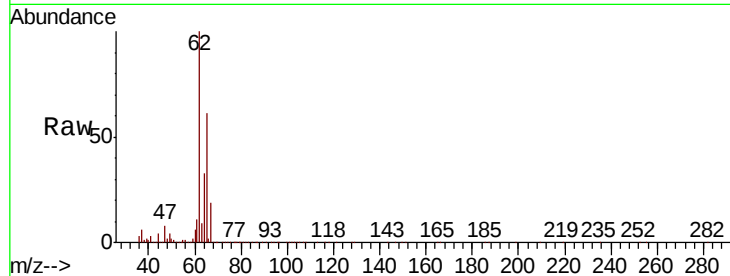
ClientSampleId :

Tot Ion: 62 Resp: 304193

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



#6

Bromomethane

Concen: 23.593 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015134.D

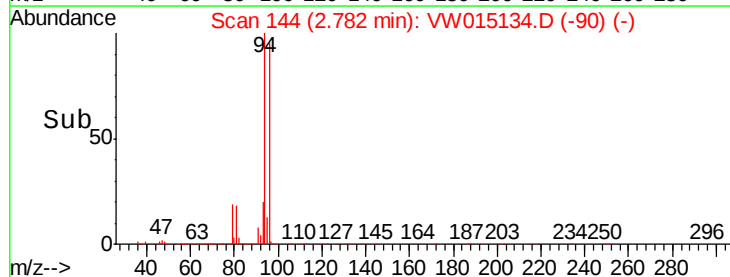
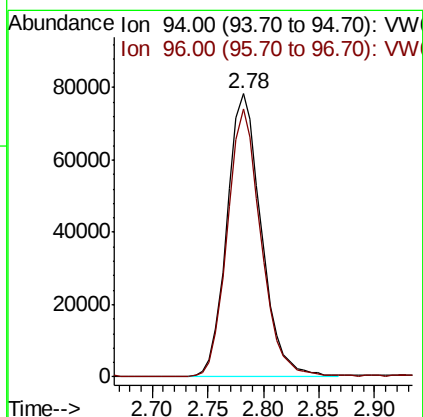
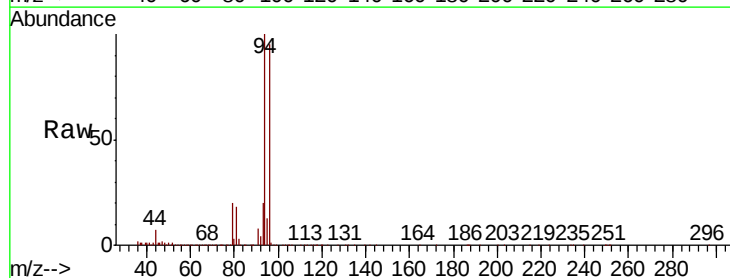
Acq: 25 Mar 2020 13:16

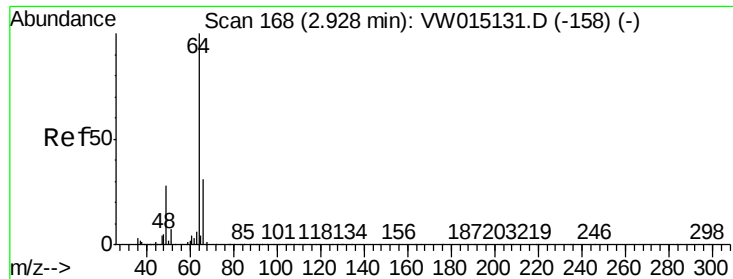
Tgt Ion: 94 Resp: 166778

Ion Ratio Lower Upper

94 100

96 92.8 9.3 177.3





#8

Chloroethane

Concen: 23.575 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

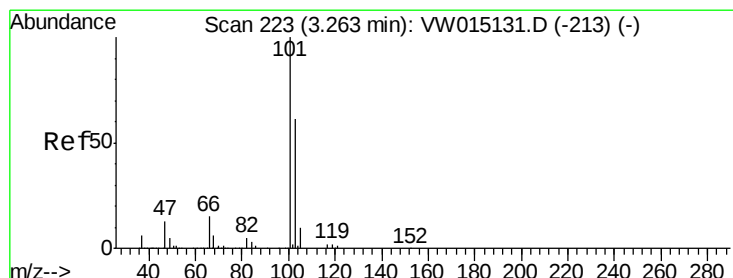
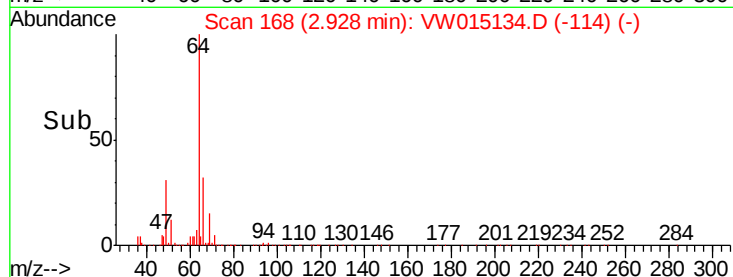
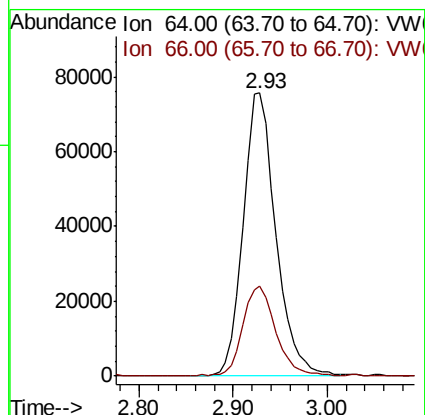
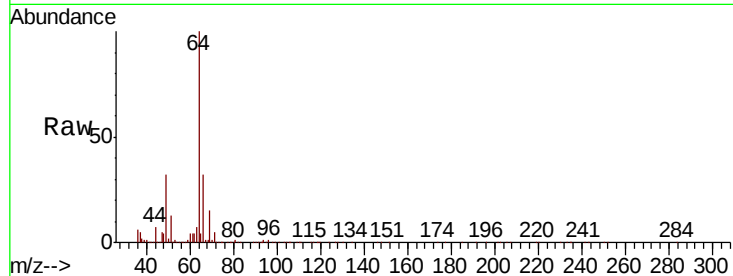
ClientSampleId :

Tot Ion: 64 Resp: 183798

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.6



#9

Trichlorofluoromethane

Concen: 25.226 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015134.D

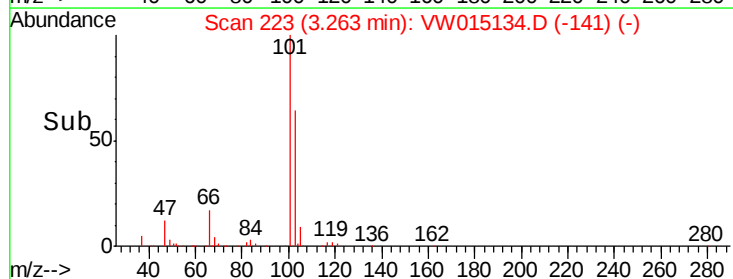
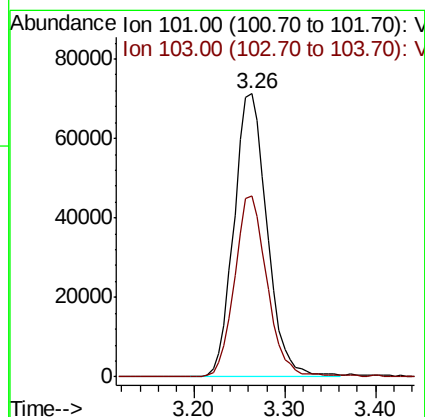
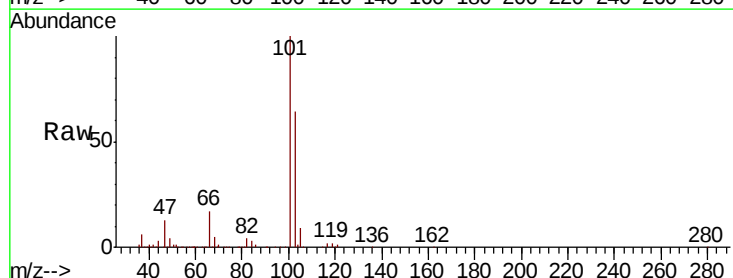
Acq: 25 Mar 2020 13:16

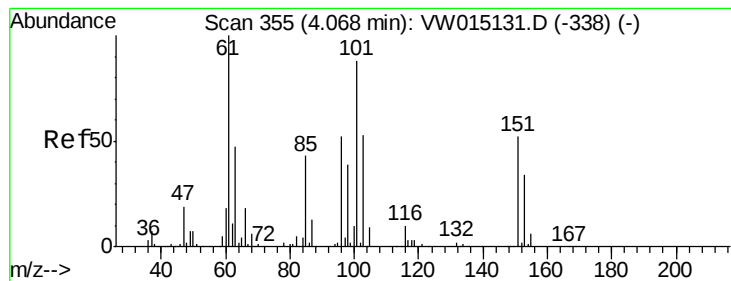
Tgt Ion: 101 Resp: 180814

Ion Ratio Lower Upper

101 100

103 62.7 43.8 81.4





#11

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

Concen: 24.469 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

ClientSampled :

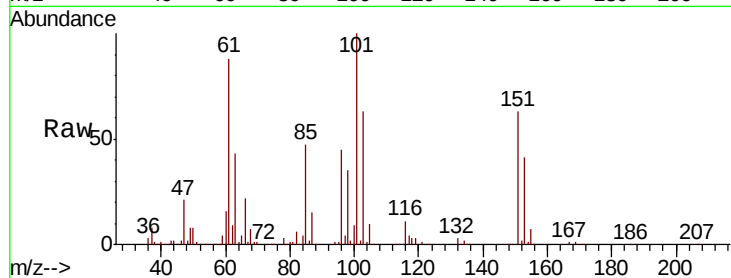
Tot Ion:101 Resp: 243995

Ion Ratio Lower Upper

101 100

85 47.2 37.8 56.6

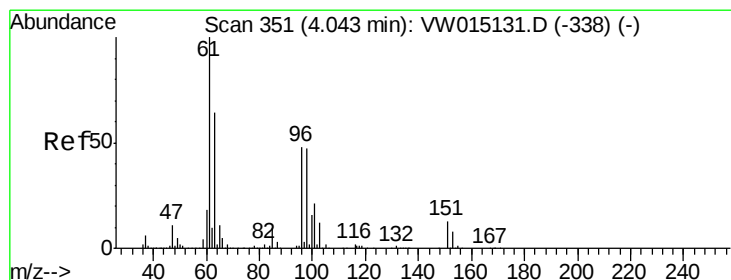
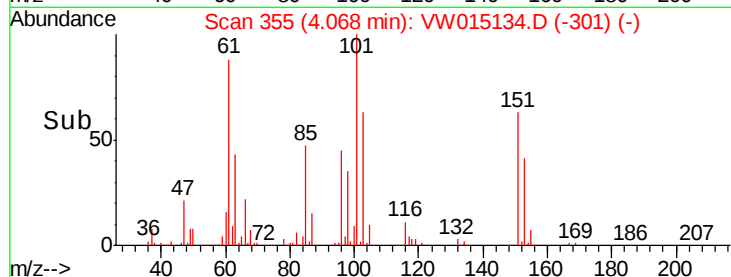
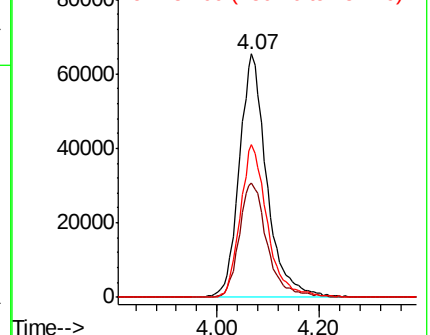
151 61.8 50.2 75.4



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: 24.597 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

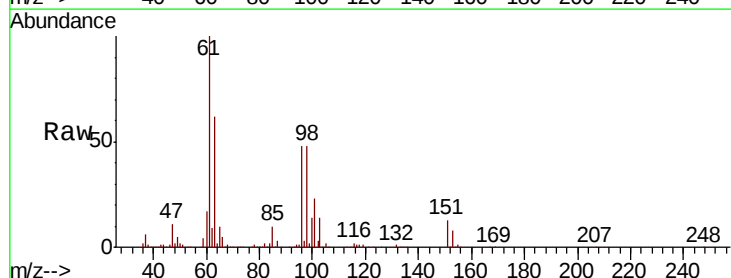
Tgt Ion: 96 Resp: 232759

Ion Ratio Lower Upper

96 100

61 207.0 146.2 271.4

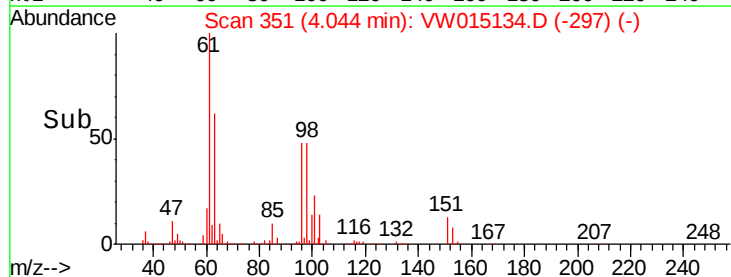
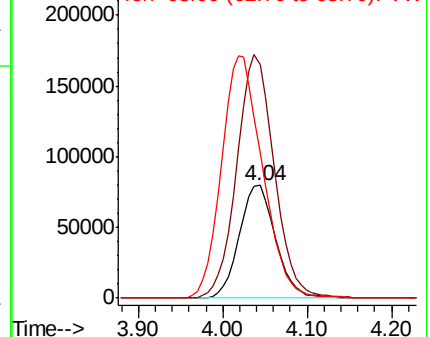
63 129.2 95.0 176.4

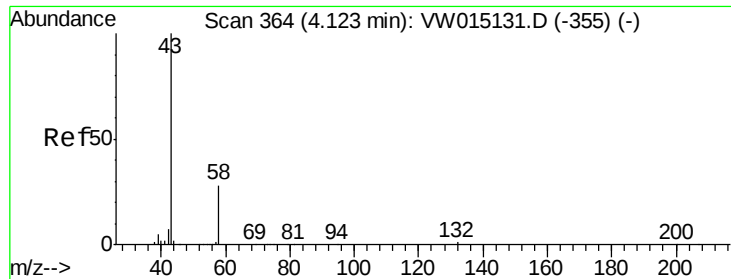


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 65.117 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

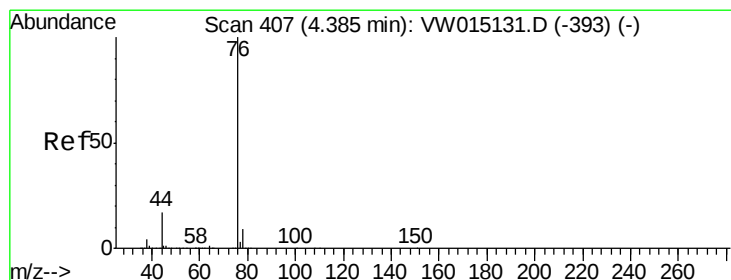
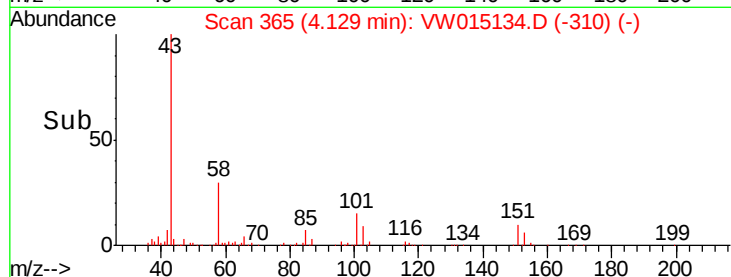
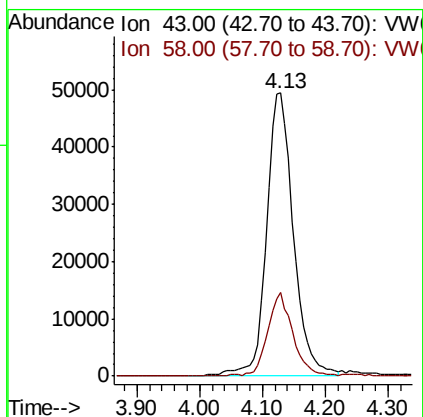
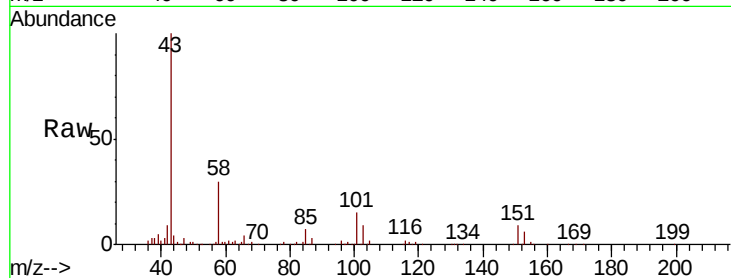
ClientSampled :

Tot Ion: 43 Resp: 145957

Ion Ratio Lower Upper

43 100

58 26.7 0.0 54.4



#14

Carbon disulfide

Concen: 24.300 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015134.D

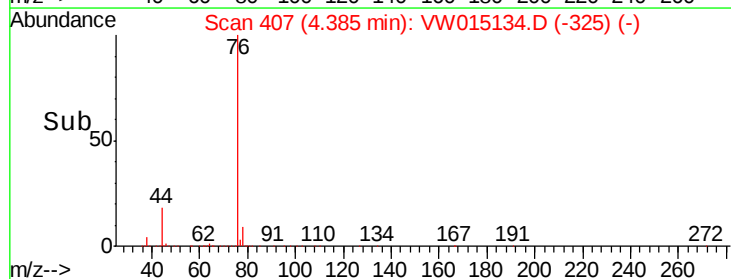
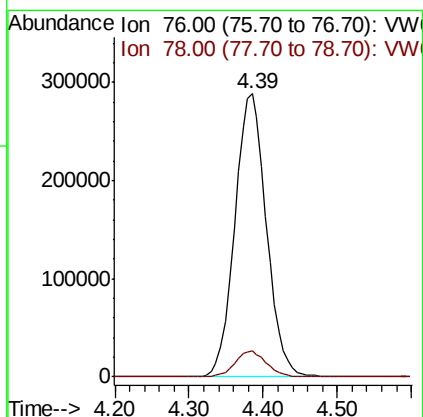
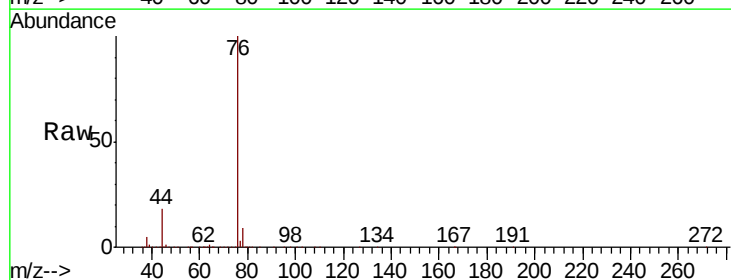
Acq: 25 Mar 2020 13:16

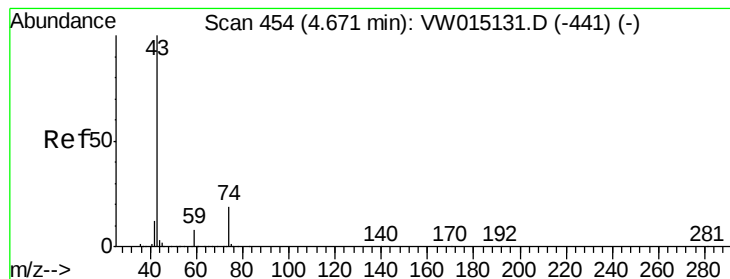
Tgt Ion: 76 Resp: 855351

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methvl Acetate

Concen: 26.378 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

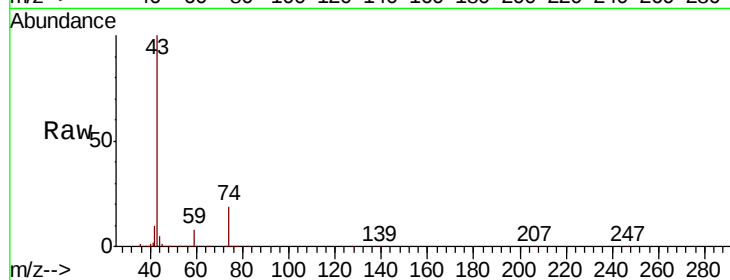
ClientSampled :

Tot Ion: 43 Resp: 139665

Ion Ratio Lower Upper

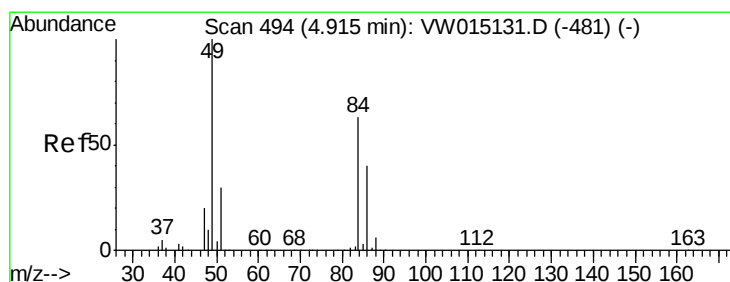
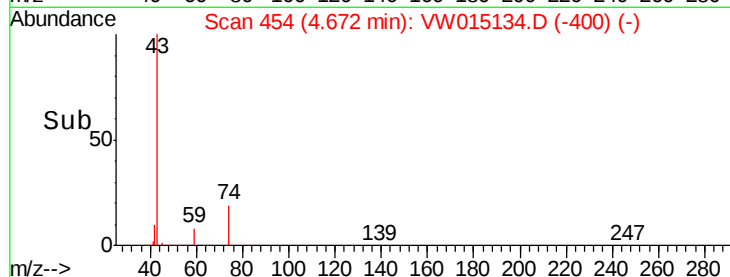
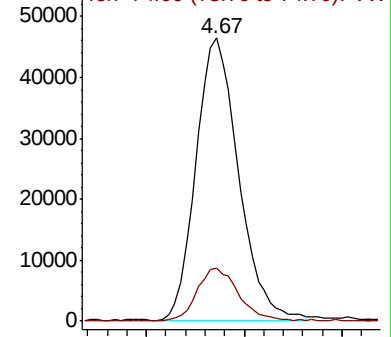
43 100

74 18.5 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.325 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

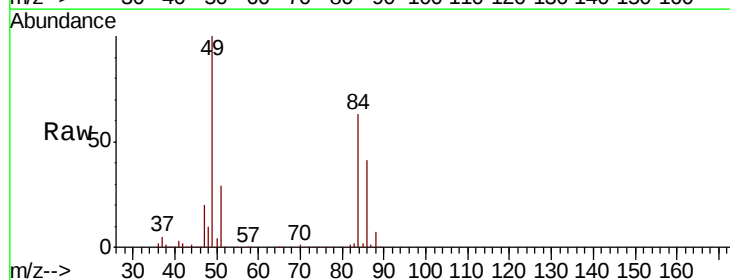
Tgt Ion: 84 Resp: 254711

Ion Ratio Lower Upper

84 100

49 158.6 111.7 207.5

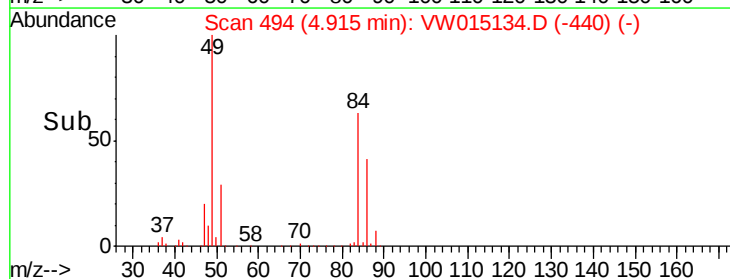
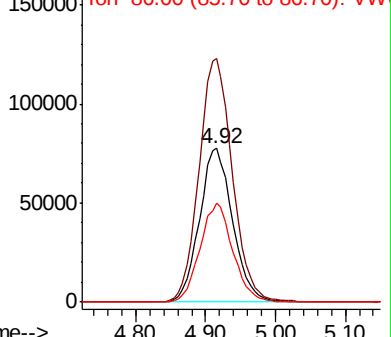
86 64.4 44.7 82.9

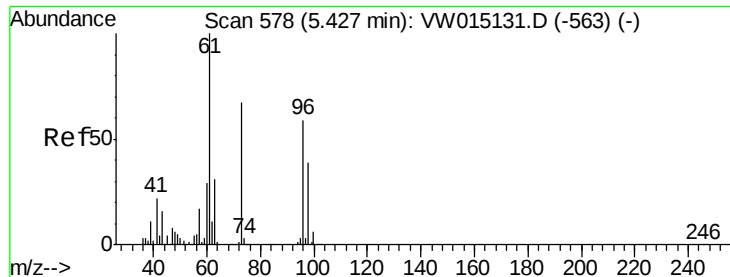


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

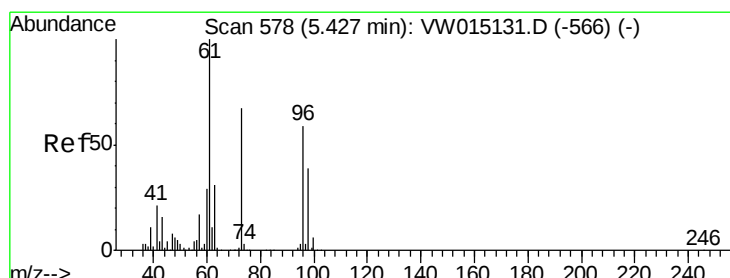
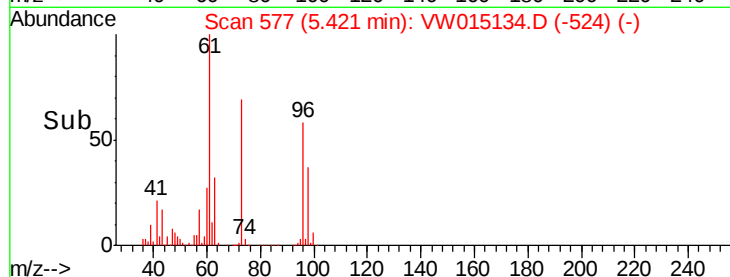
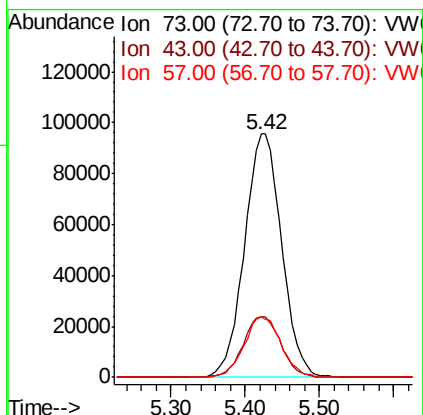
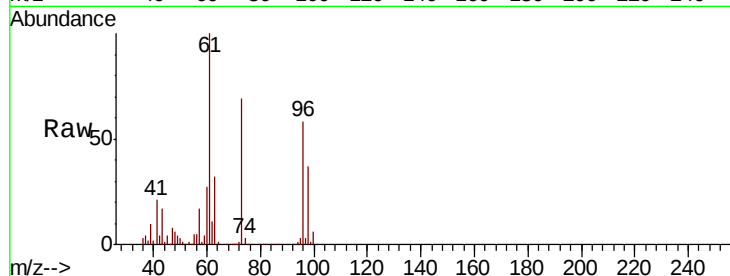




#17
Methvl tert-butvl Ether
Concen: 27.120 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

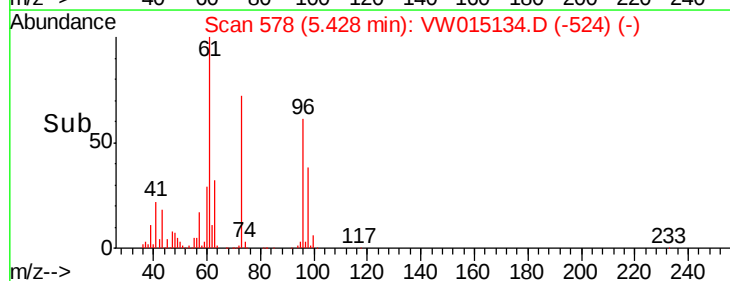
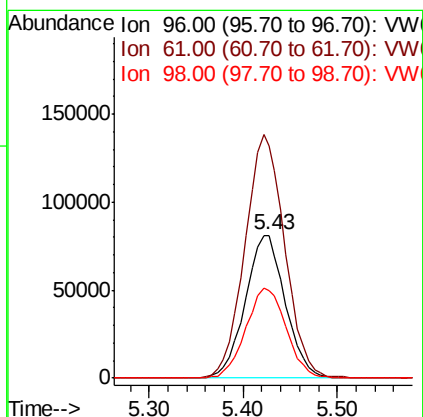
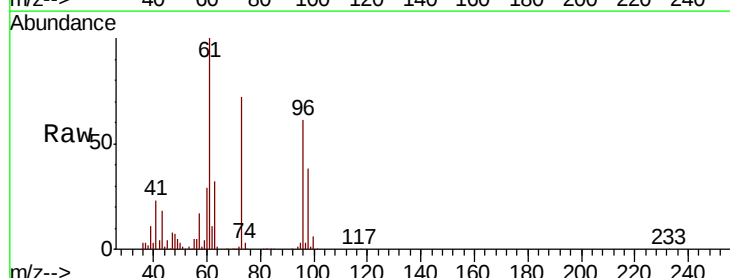
Instrument :
MSVOA_W
ClientSampleId :

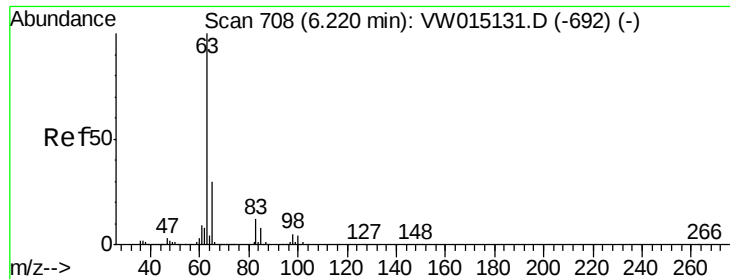
Tot Ion: 73 Resp: 333239
Ion Ratio Lower Upper
73 100
43 25.1 20.2 30.2
57 24.8 19.7 29.5



#18
trans-1,2-Dichloroethene
Concen: 24.423 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Tgt Ion: 96 Resp: 240221
Ion Ratio Lower Upper
96 100
61 162.8 118.1 219.3
98 61.5 45.8 85.2

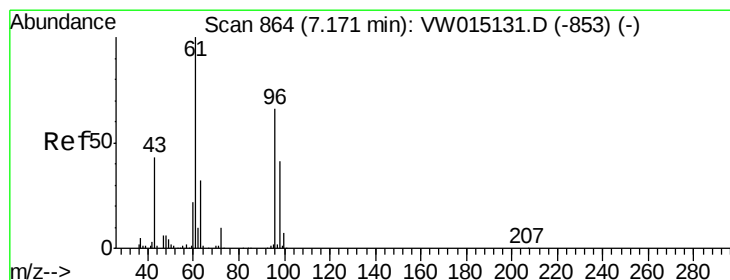
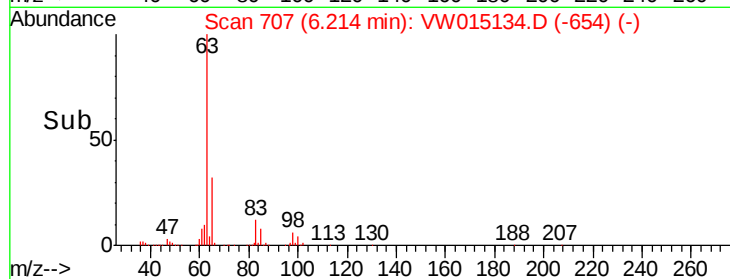
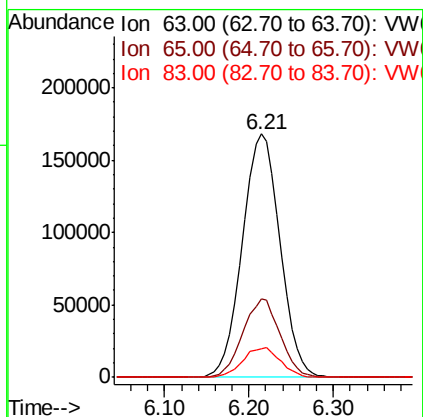
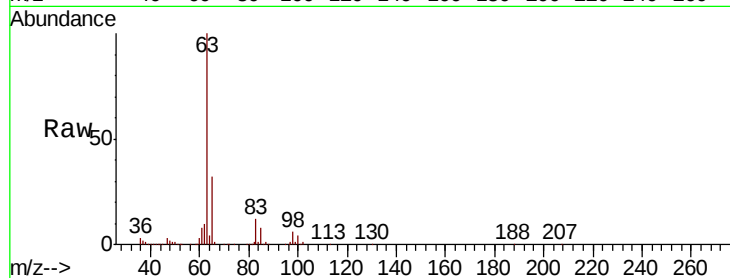




#19
 1,1-Dichloroethane
 Concen: 24.217 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

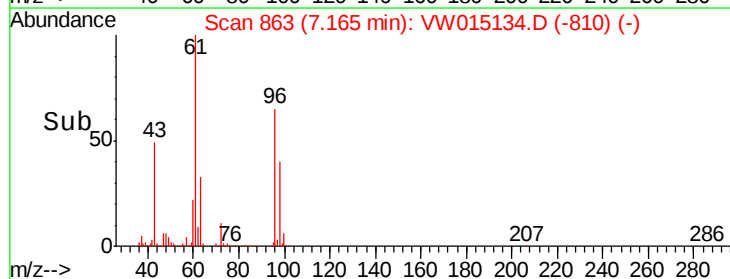
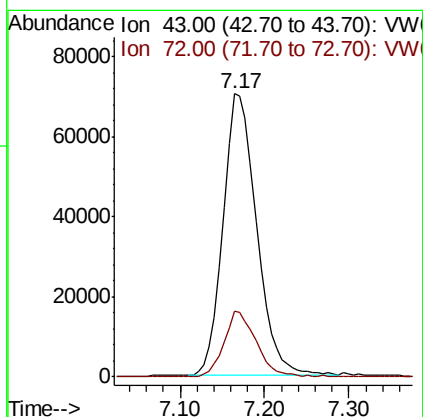
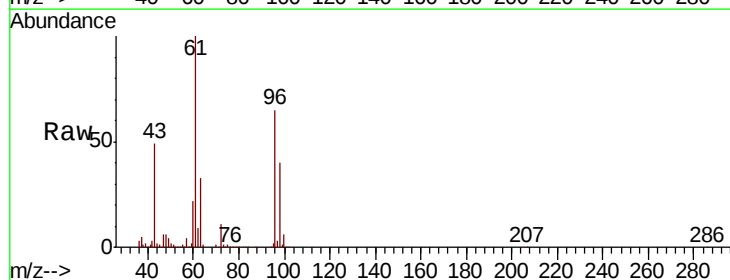
Instrument :
 MSVOA_W
 ClientSampled :

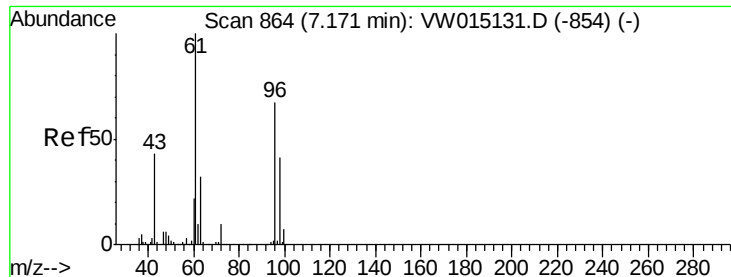
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	20.6	38.4
83	11.7	8.1	15.1



#21
 2-Butanone
 Concen: 60.446 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	11.7	35.0



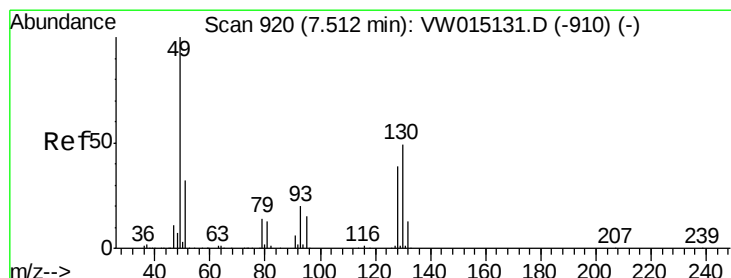
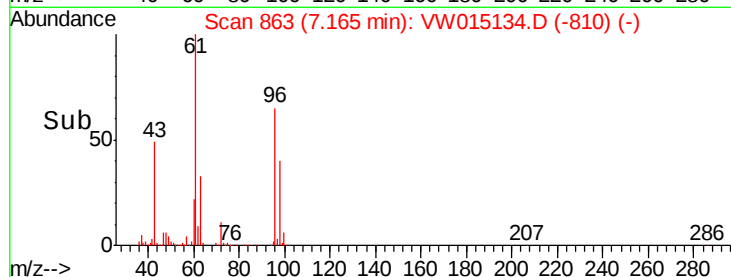
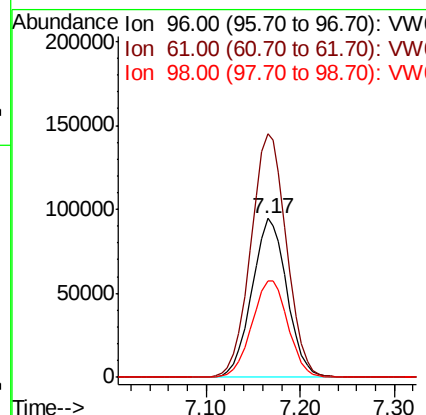
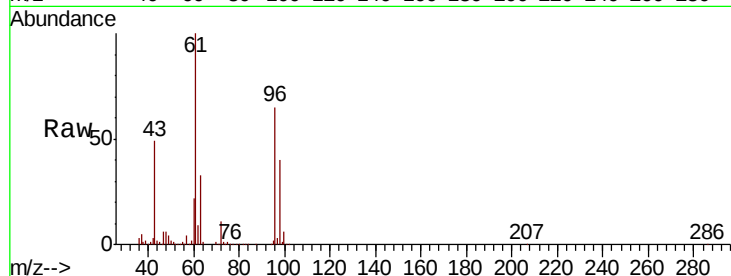


#22

cis-1,2-Dichloroethene
Concen: 25.248 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Instrument :
MSVOA_W
ClientSampleId :

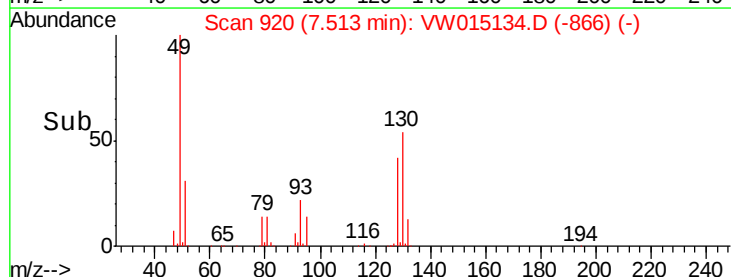
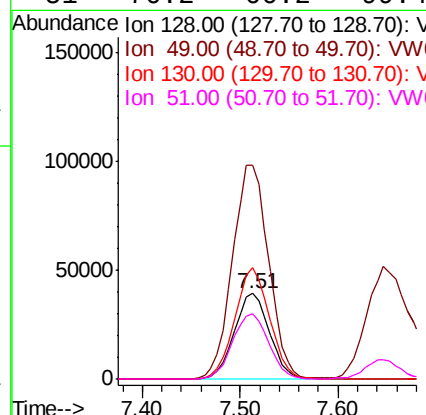
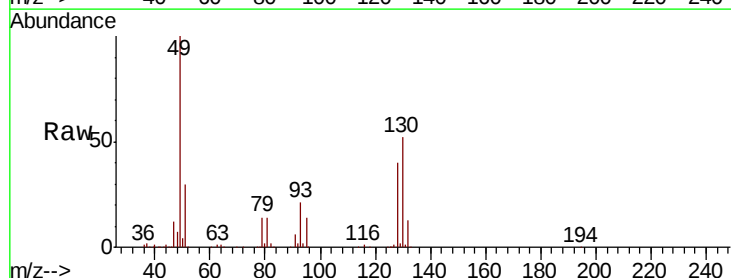
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.3	105.6	196.0
98	60.8	43.3	80.5

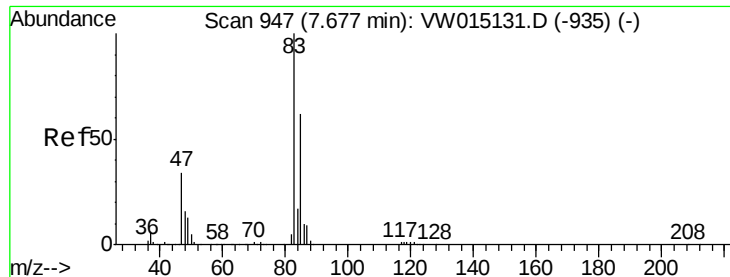


#23

Bromochloromethane
Concen: 24.482 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Tgt Ion	Ratio	Lower	Upper
128	100		
49	250.3	181.2	336.6
130	130.4	88.4	164.2
51	76.2	66.2	99.4





#25

Chloroform

Concen: 24.235 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

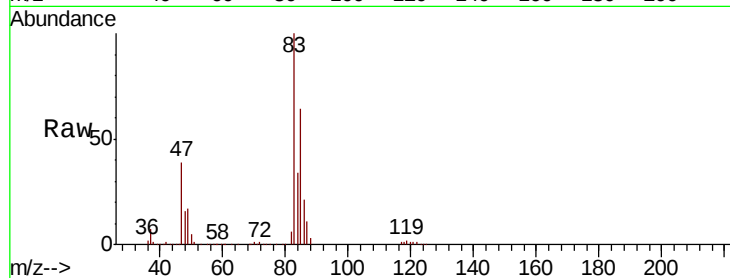
ClientSampleId :

Tot Ion: 83 Resp: 461444

Ion Ratio Lower Upper

83 100

85 65.4 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

200000

150000

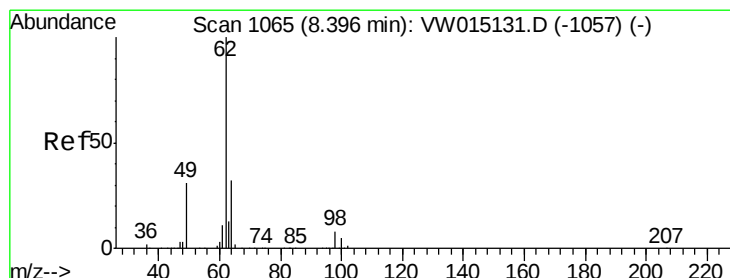
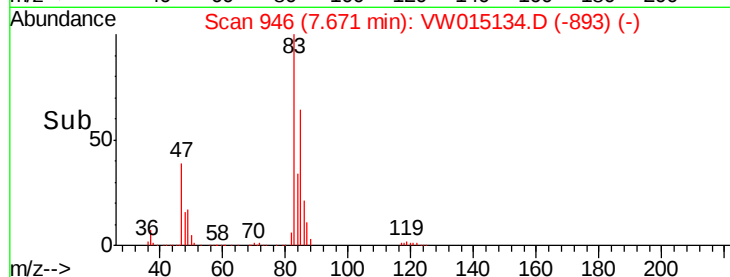
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#27

1,2-Dichloroethane

Concen: 25.137 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015134.D

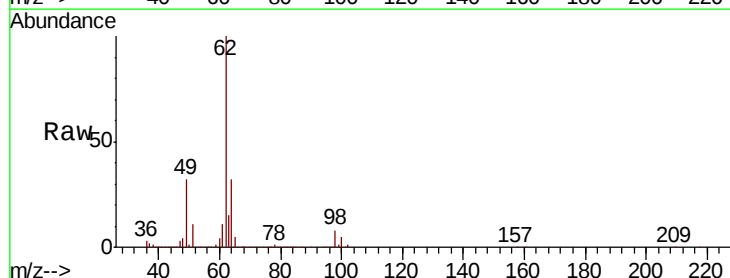
Acq: 25 Mar 2020 13:16

Tgt Ion: 62 Resp: 343737

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

150000

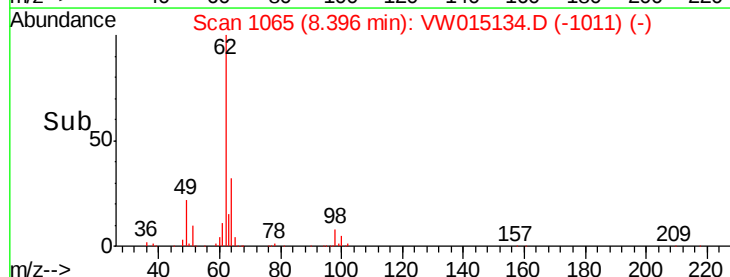
100000

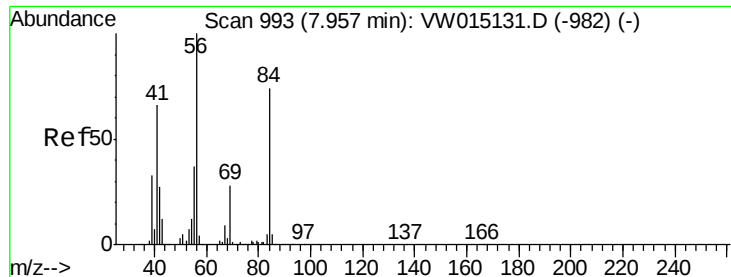
50000

0

Time-->

8.30 8.40 8.50

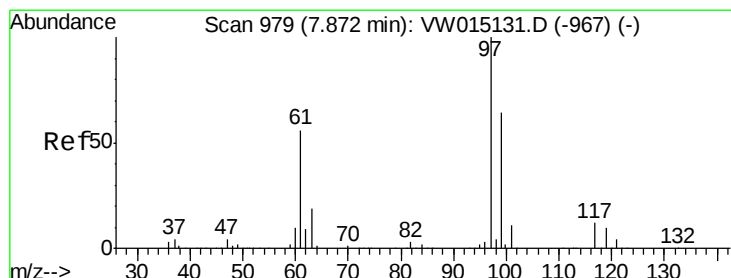
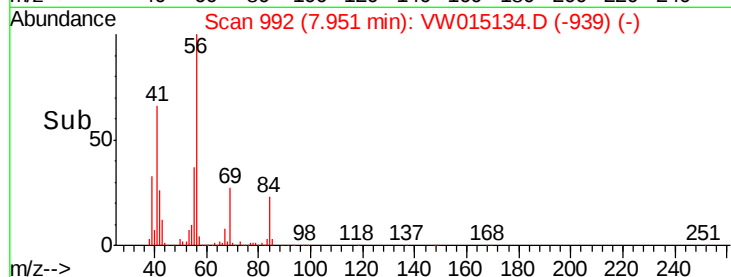
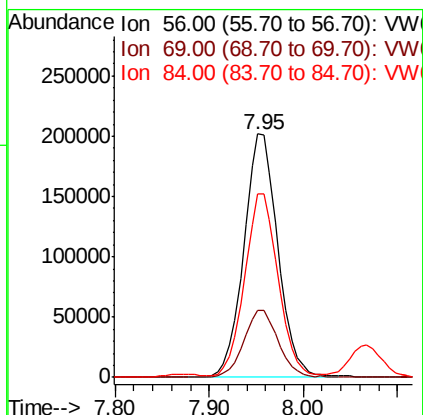
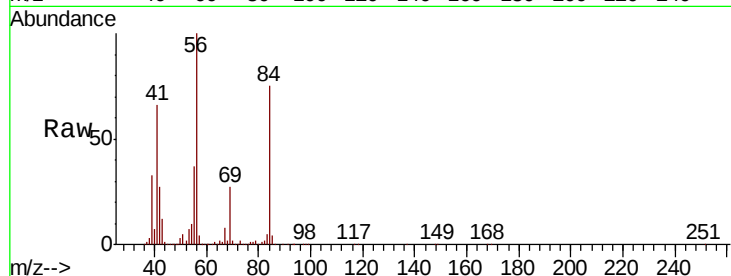




#30
Cyclohexane
Concen: 27.075 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

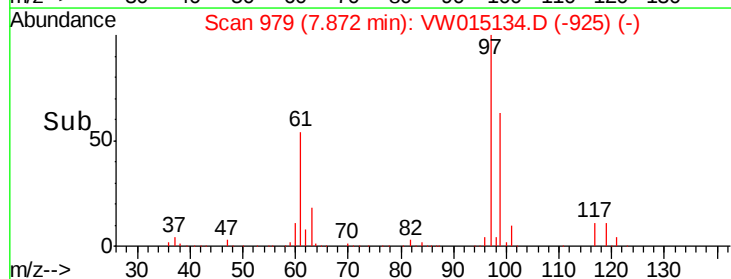
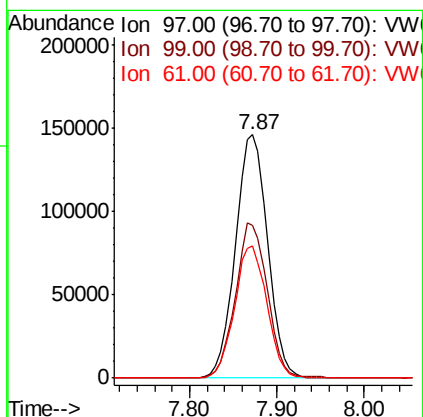
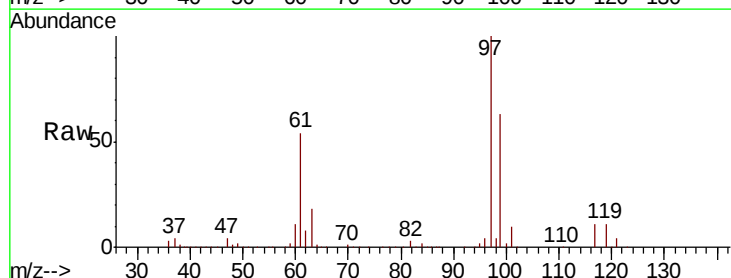
Instrument :
MSVOA_W
ClientSampled :

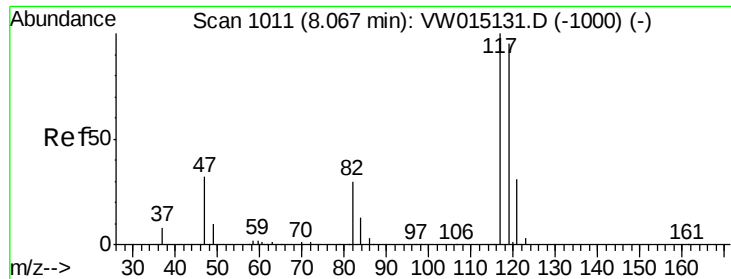
Tot Ion: 56 Resp: 508080
Ion Ratio Lower Upper
56 100
69 27.9 22.0 33.0
84 74.9 58.9 88.3



#31
1,1,1-Trichloroethane
Concen: 24.743 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Tgt Ion: 97 Resp: 373847
Ion Ratio Lower Upper
97 100
99 62.9 51.0 76.4
61 54.8 44.8 67.2





#32

Carbon tetrachloride

Concen: 24.756 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

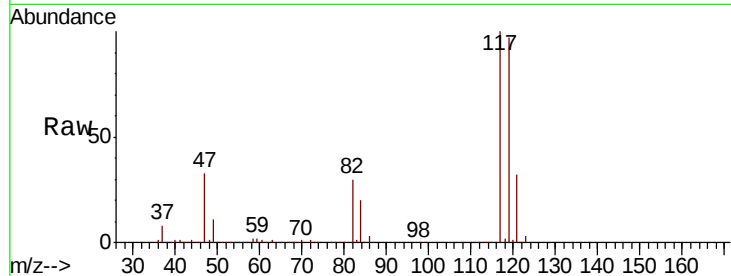
ClientSampled :

Tot Ion:117 Resp: 324519

Ion Ratio Lower Upper

117 100

119 95.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

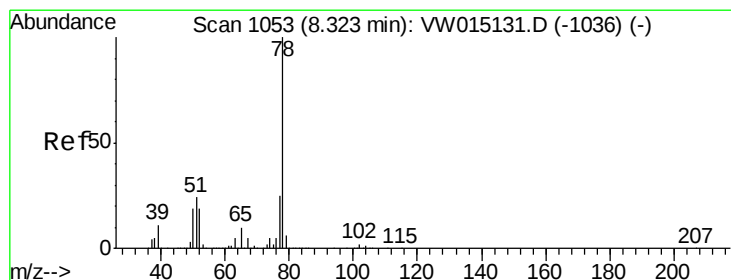
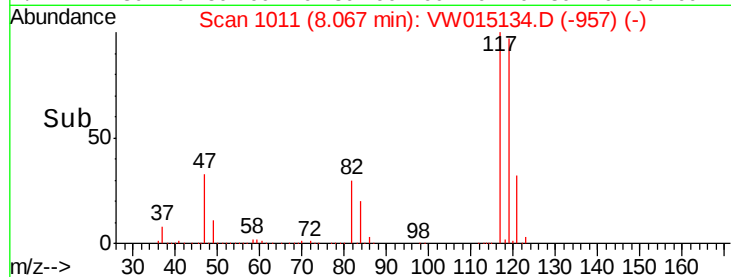
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.367 ug/L

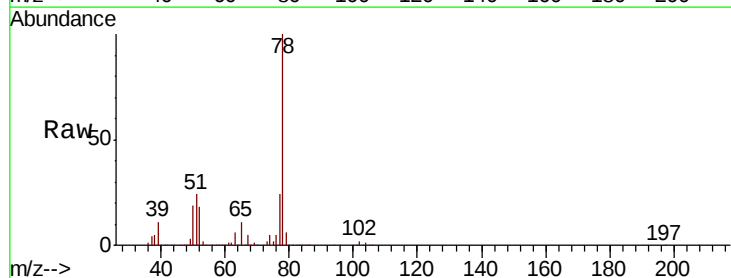
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Tgt Ion: 78 Resp: 1079335



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

500000

400000

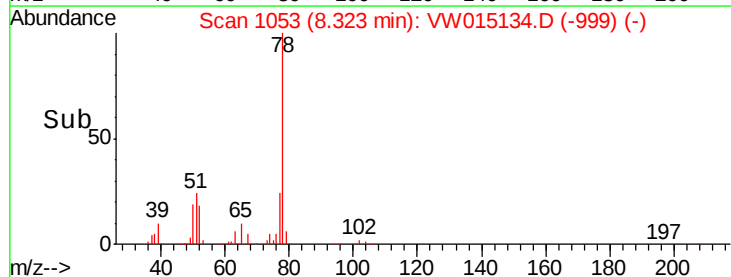
300000

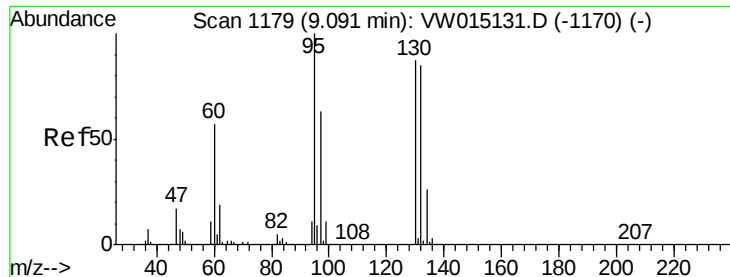
200000

100000

0

Time-->

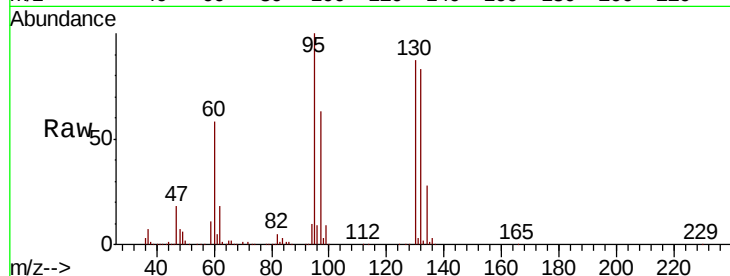




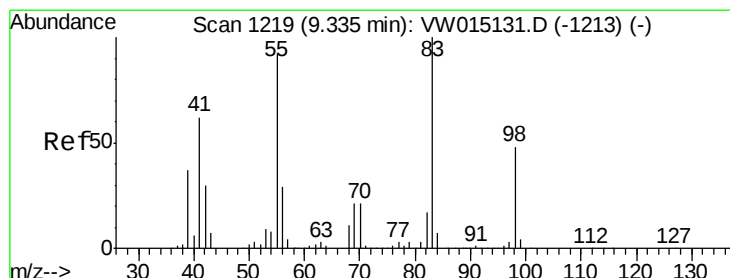
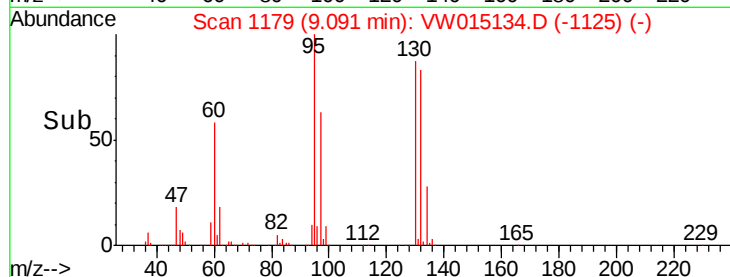
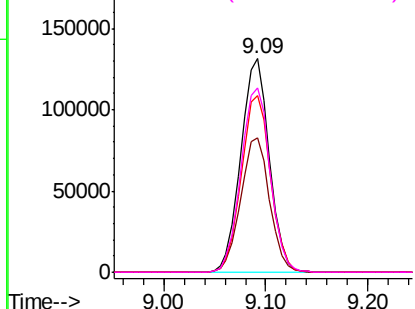
#35
 Trichloroethene
 Concen: 24.589 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 254687
 Ion Ratio Lower Upper
 95 100
 97 63.6 43.7 81.1
 132 84.7 58.7 109.1
 130 88.7 61.3 113.9

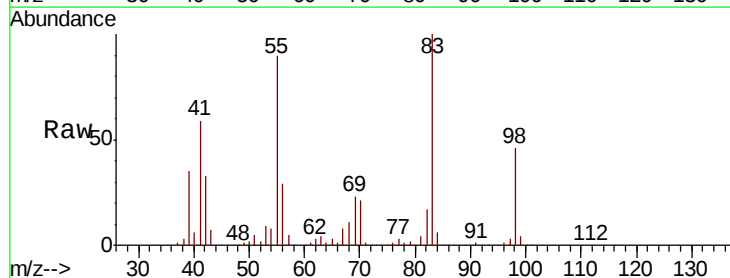


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

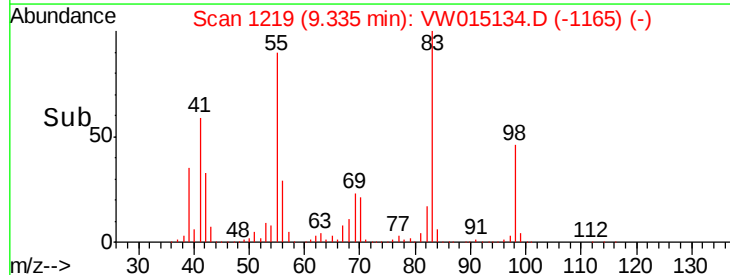
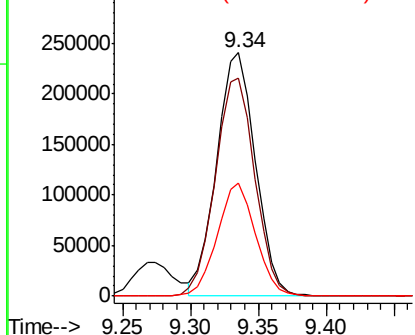


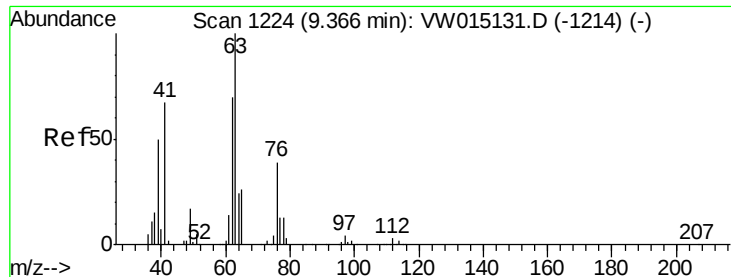
#36
 Methylcyclohexane
 Concen: 26.877 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Tgt Ion: 83 Resp: 478257
 Ion Ratio Lower Upper
 83 100
 55 91.2 73.4 110.2
 98 45.7 36.6 55.0



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

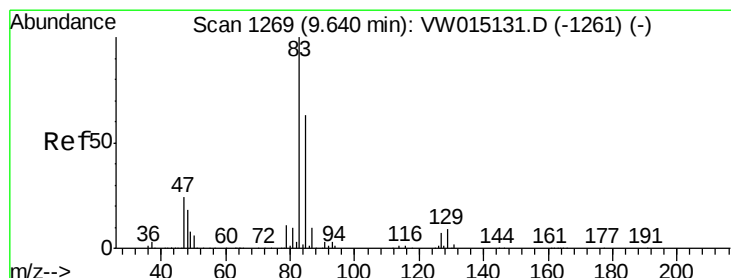
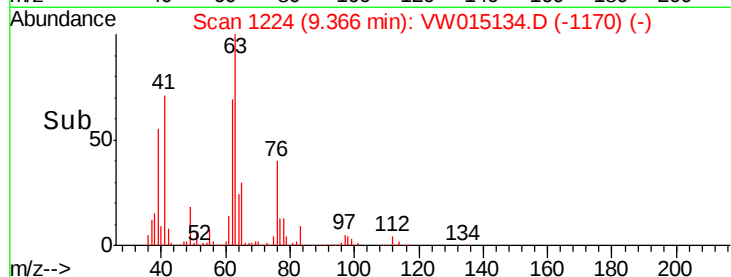
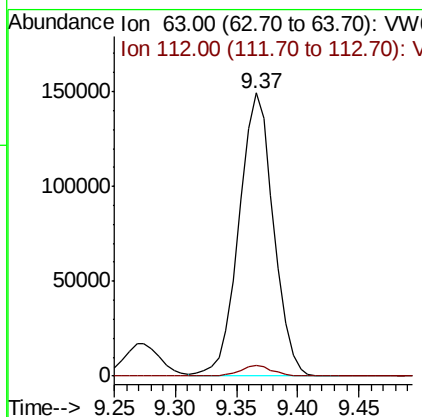
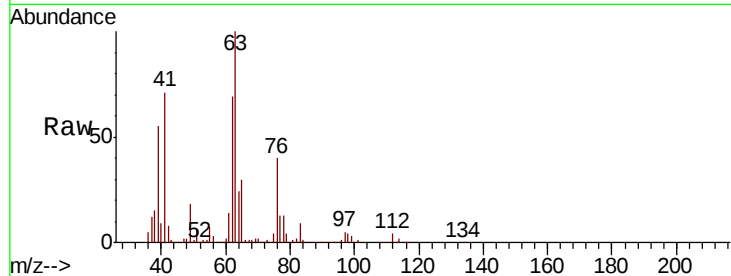




#40
 1,2-Dichloropropane
 Concen: 24.884 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

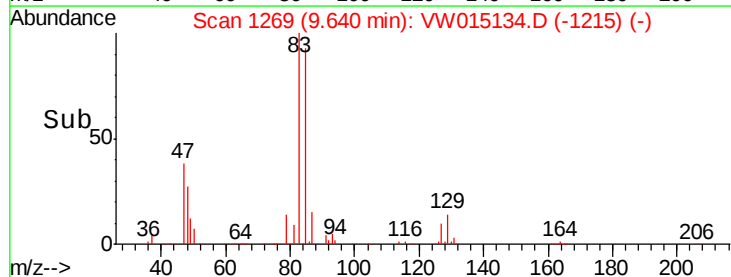
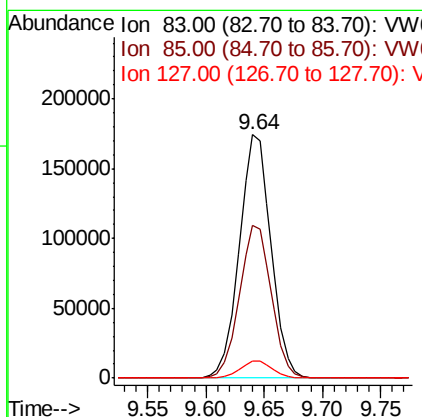
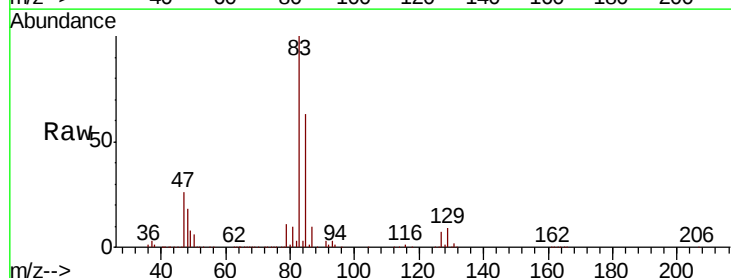
Instrument :
 MSVOA_W
 ClientSampleId :

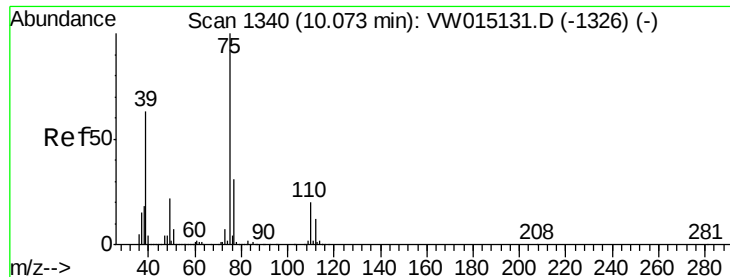
Tot Ion: 63 Resp: 291988
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#41
 Bromodichloromethane
 Concen: 24.720 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Tgt Ion: 83 Resp: 330021
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.1 81.9
 127 7.0 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 26.328 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

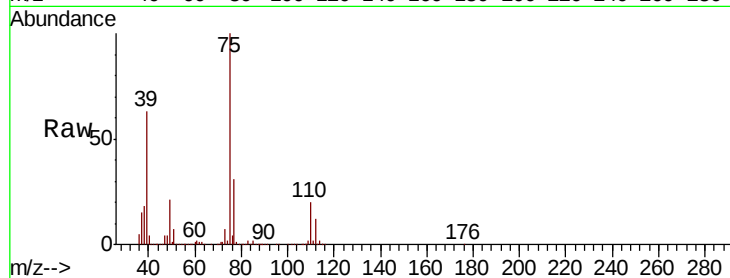
ClientSampled :

Tot Ion: 75 Resp: 405910

Ion Ratio Lower Upper

75 100

77 31.0 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

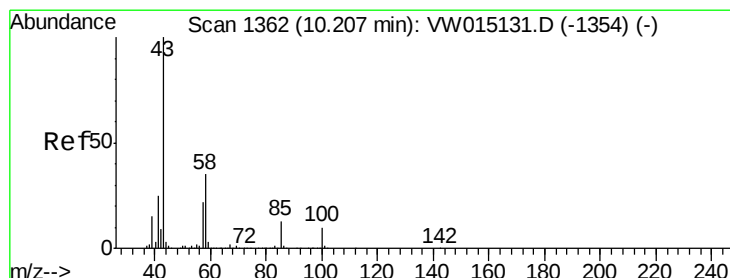
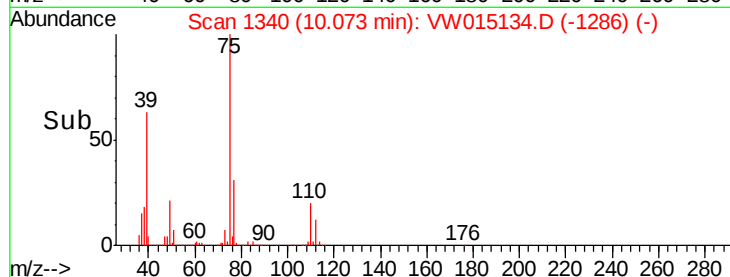
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 59.016 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

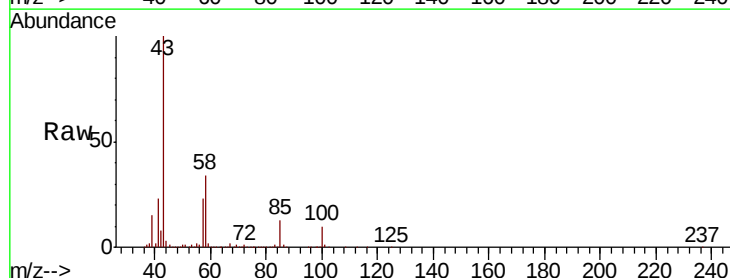
Tgt Ion: 43 Resp: 391789

Ion Ratio Lower Upper

43 100

58 34.6 27.9 41.9

100 10.9 8.9 13.3



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

400000

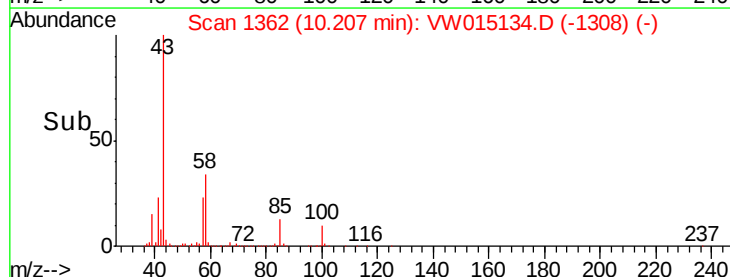
300000

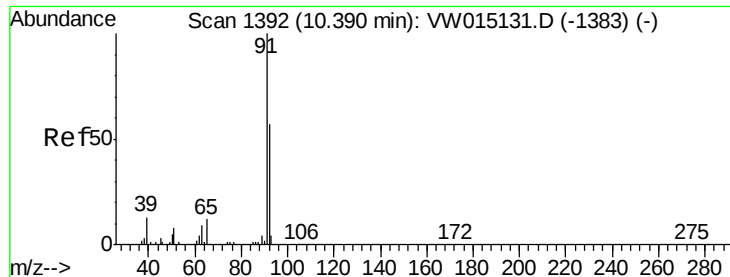
200000

100000

0

Time-->





#44

Toluene

Concen: 25.915 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

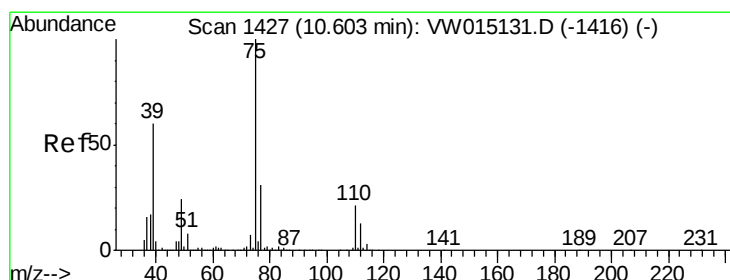
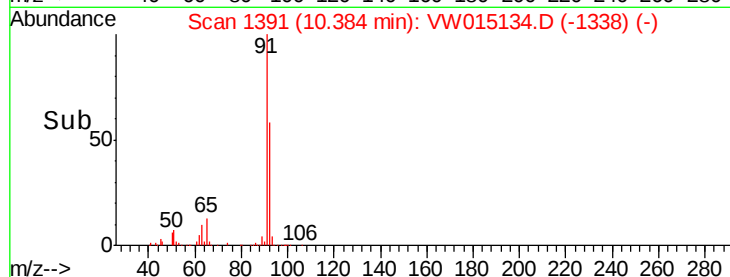
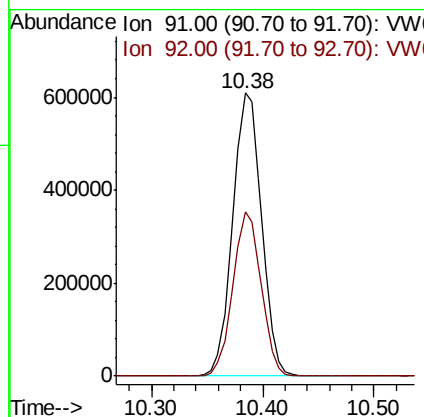
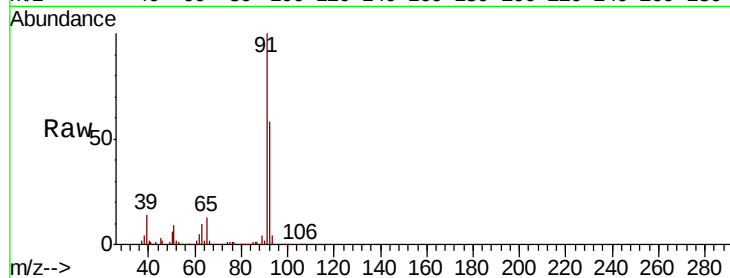
ClientSampleId :

Tot Ion: 91 Resp: 1090322

Ion Ratio Lower Upper

91 100

92 58.2 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 26.625 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015134.D

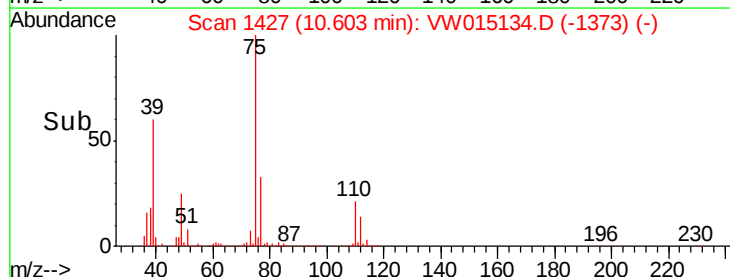
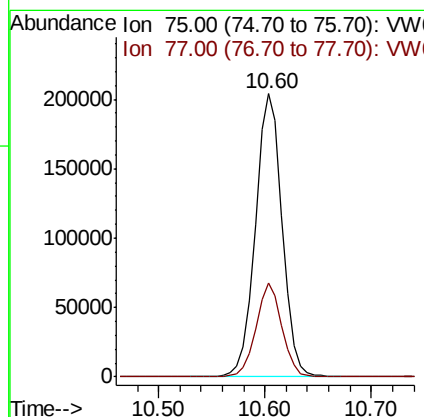
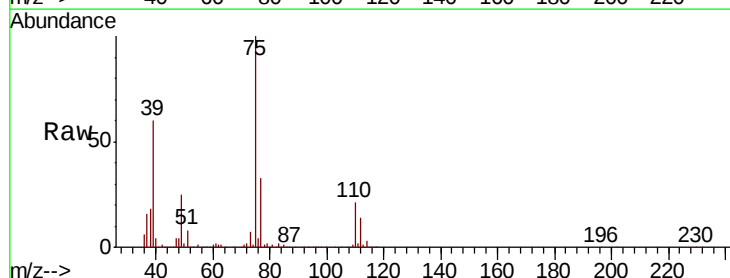
Acq: 25 Mar 2020 13:16

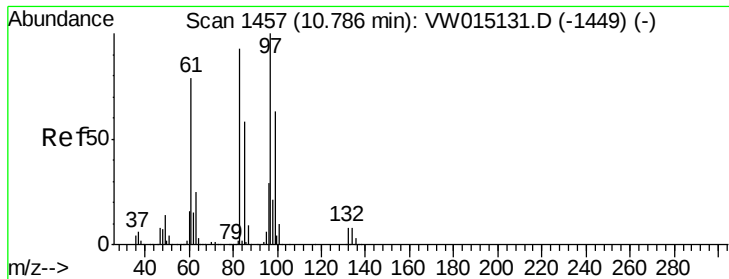
Tgt Ion: 75 Resp: 358931

Ion Ratio Lower Upper

75 100

77 33.0 21.8 40.4

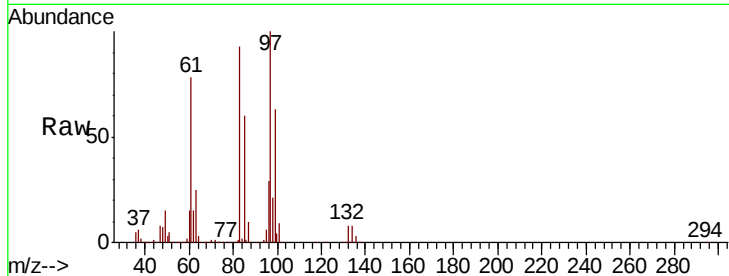




#46
1,1,2-Trichloroethane
Concen: 25.353 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	97	Resp:	174873
Ion	Ratio	Lower	Upper
97	100		
83	92.6	64.8	120.4
85	60.3	40.9	75.9
99	63.4	43.8	81.4



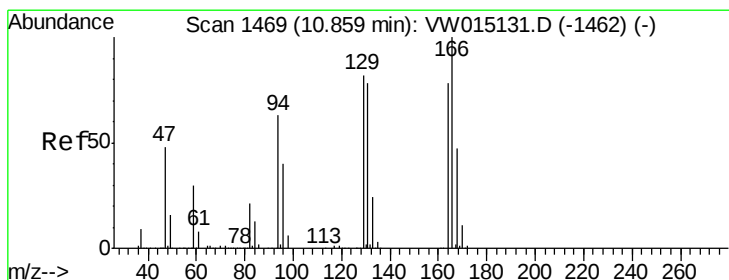
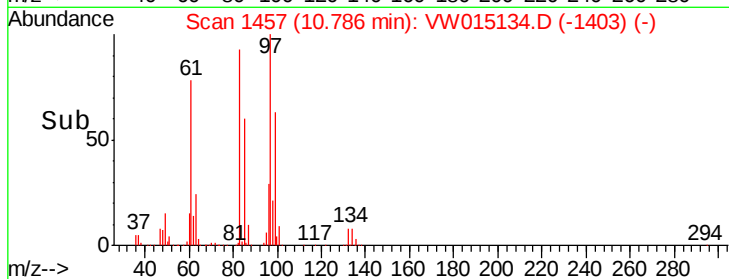
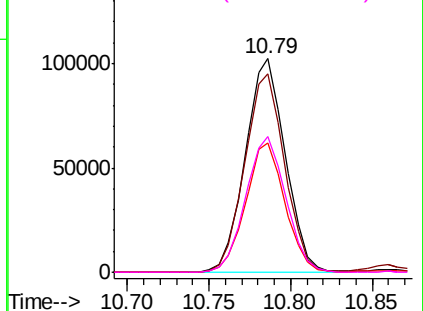
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

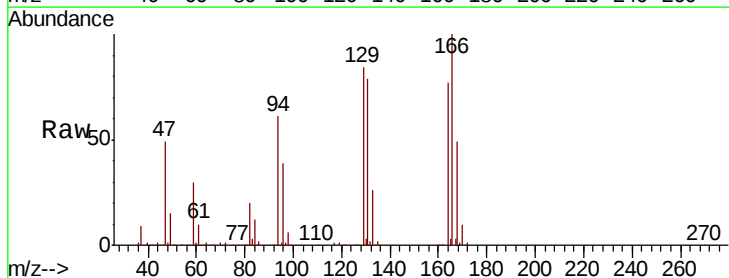
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
Tetrachloroethene
Concen: 24.166 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Tgt Ion:	164	Resp:	161533
Ion	Ratio	Lower	Upper
164	100		
129	109.5	73.2	136.0
131	102.3	69.4	128.8
166	129.9	89.5	166.3



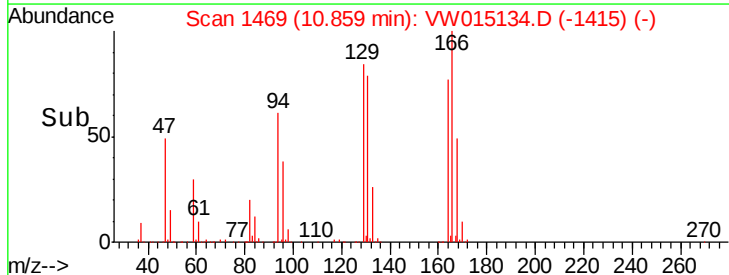
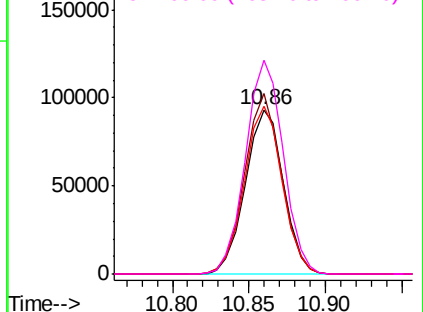
Abundance

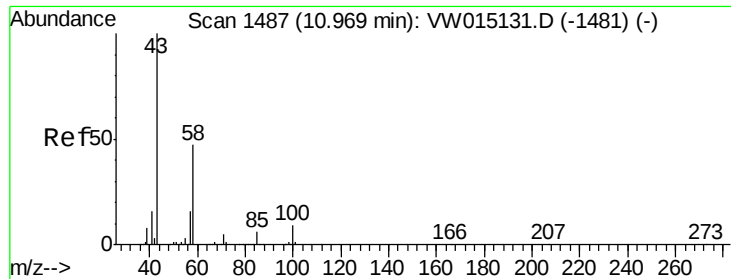
Ion 164.00 (163.70 to 164.70): V

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: 64.358 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 284943

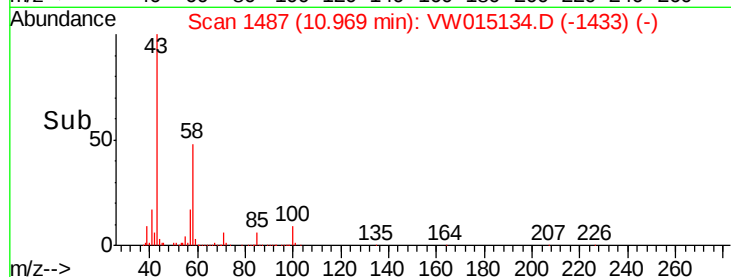
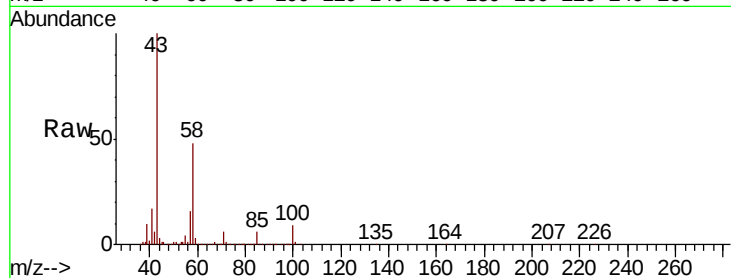
Ion Ratio Lower Upper

43 100

58 49.2 38.5 57.7

57 17.3 12.9 19.3

100 8.9 6.9 10.3

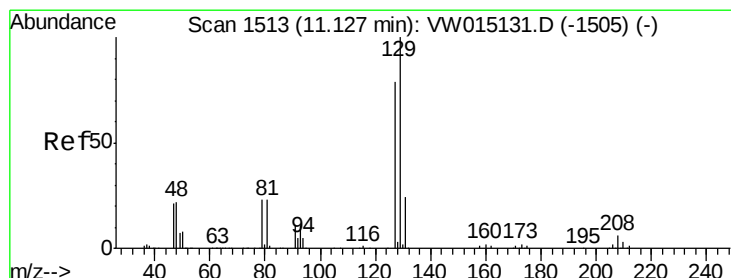
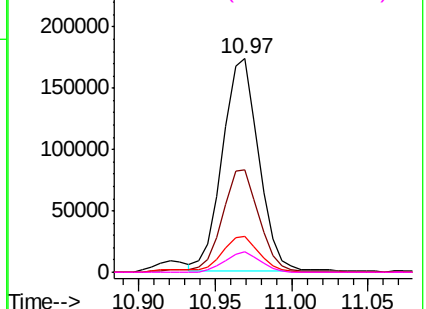


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.407 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015134.D

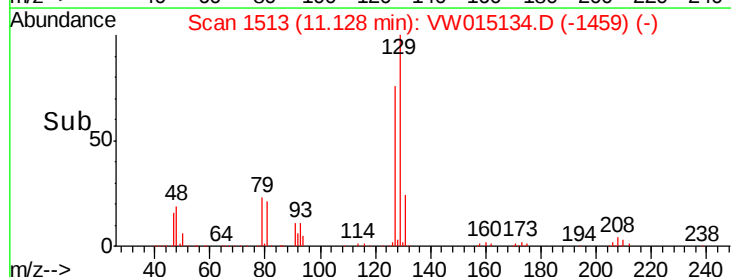
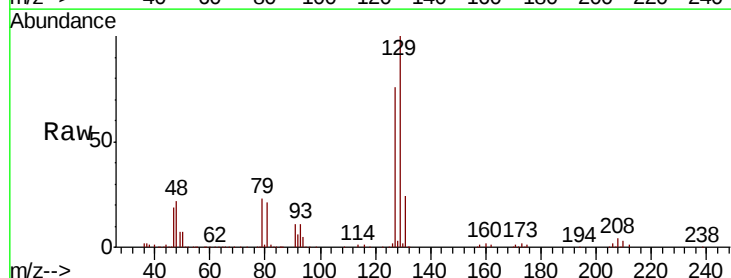
Acq: 25 Mar 2020 13:16

Tgt Ion: 129 Resp: 180162

Ion Ratio Lower Upper

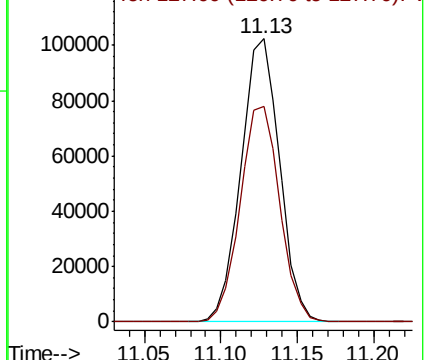
129 100

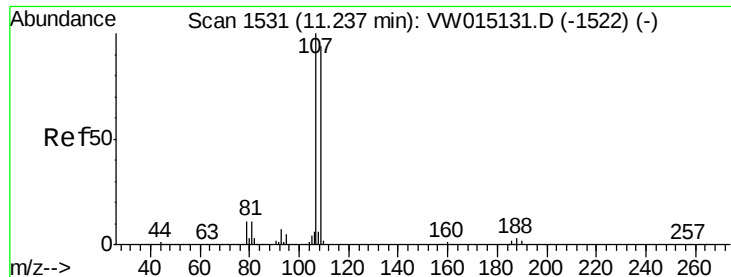
127 76.2 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

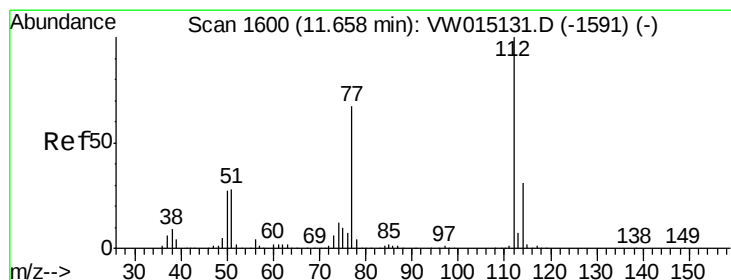
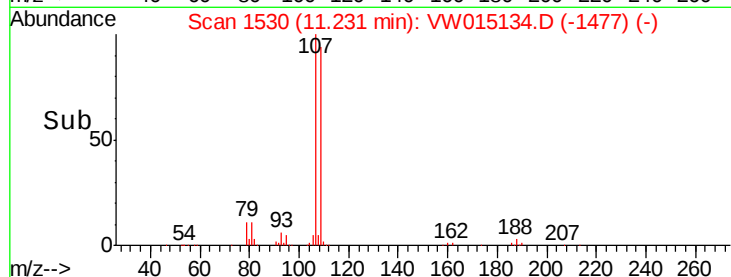
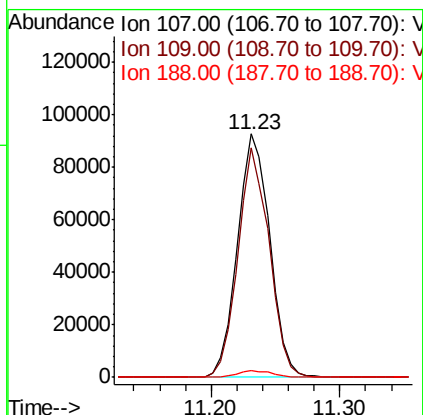
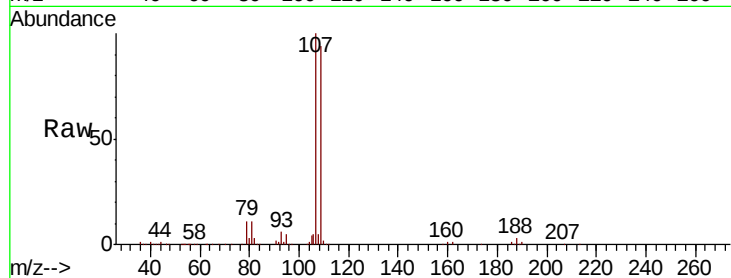




#51
1,2-Dibromoethane
Concen: 26.369 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

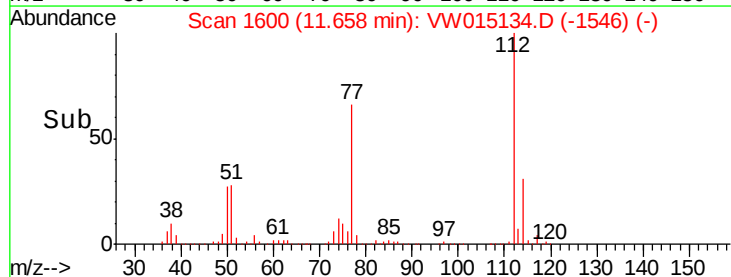
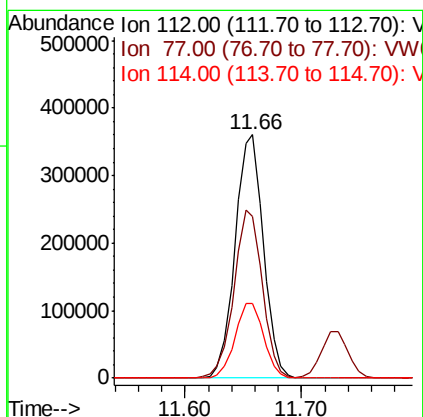
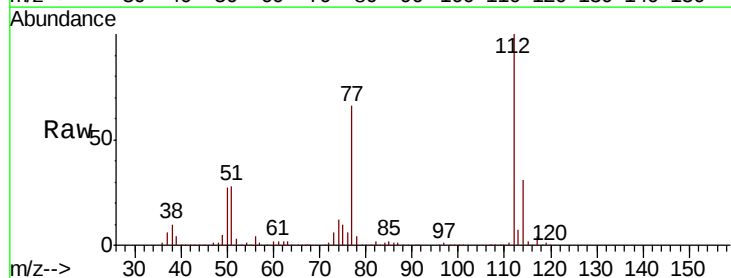
Instrument :
MSVOA_W
ClientSampleId :

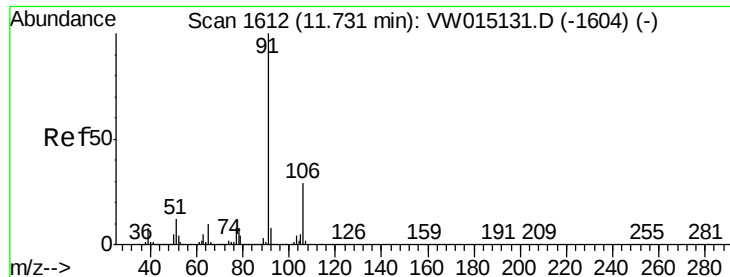
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	65.9	122.5
188	2.8	2.3	3.5



#52
Chlorobenzene
Concen: 24.832 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015134.D
Acq: 25 Mar 2020 13:16

Tgt Ion	Ratio	Lower	Upper
112	100		
77	66.2	53.5	80.3
114	30.8	22.0	40.8





#53

Ethylbenzene

Concen: 26.158 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

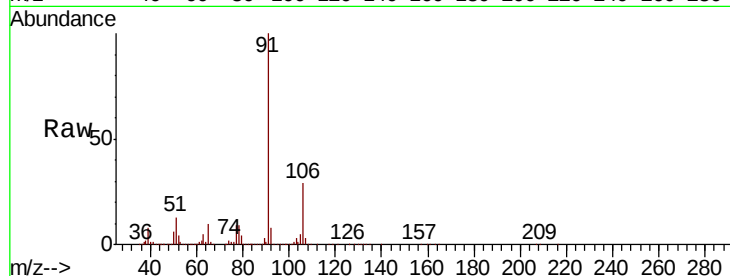
ClientSampleId :

Tot Ion: 91 Resp: 1188716

Ion Ratio Lower Upper

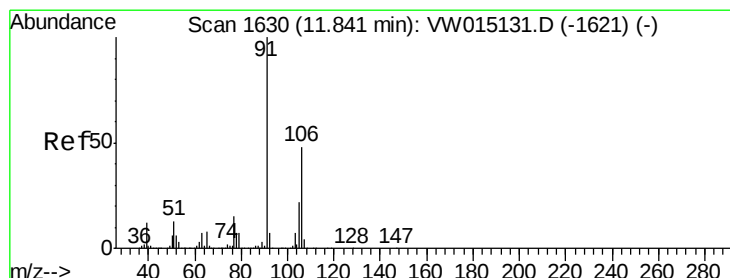
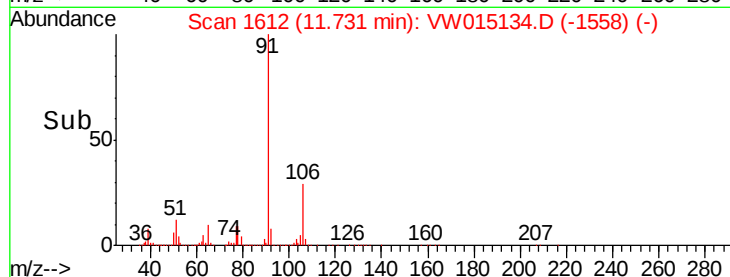
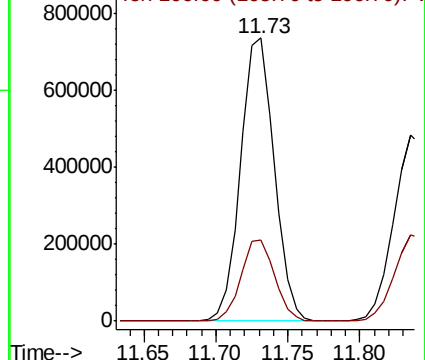
91 100

106 28.8 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.239 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015134.D

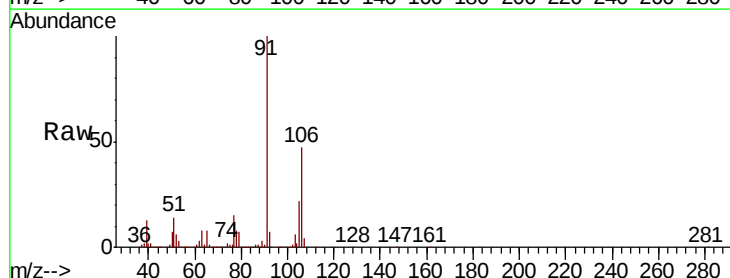
Acq: 25 Mar 2020 13:16

Tgt Ion: 106 Resp: 418028

Ion Ratio Lower Upper

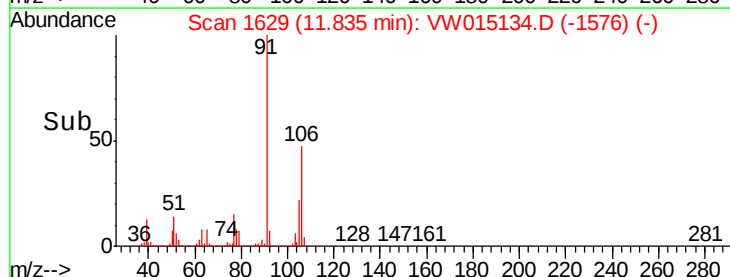
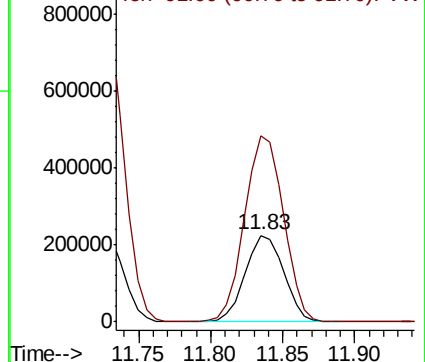
106 100

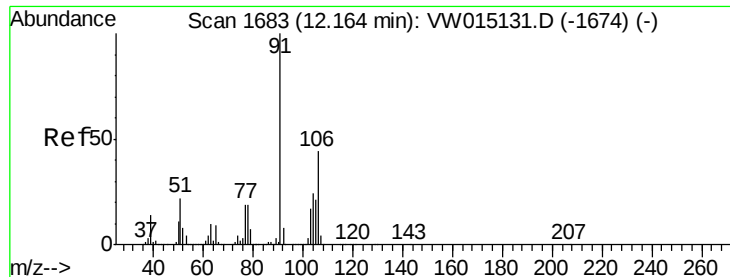
91 214.0 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 26.427 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

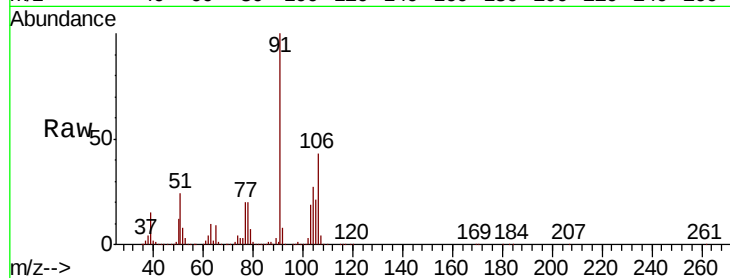
ClientSampled :

Tot Ion:106 Resp: 394702

Ion Ratio Lower Upper

106 100

91 230.4 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

600000

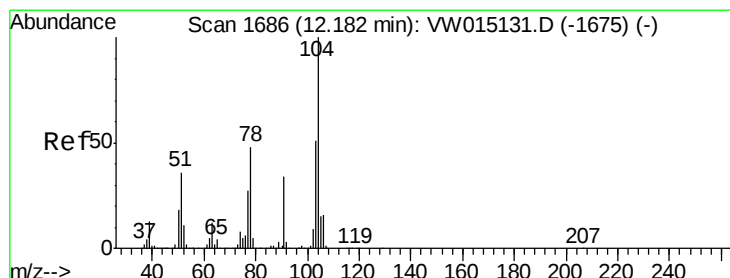
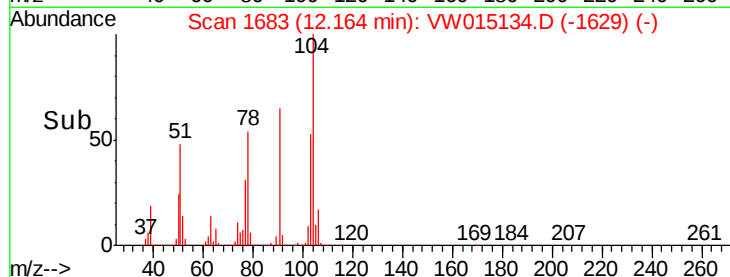
400000

200000

0

12.16

Time-->



#56

Styrene

Concen: 26.878 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015134.D

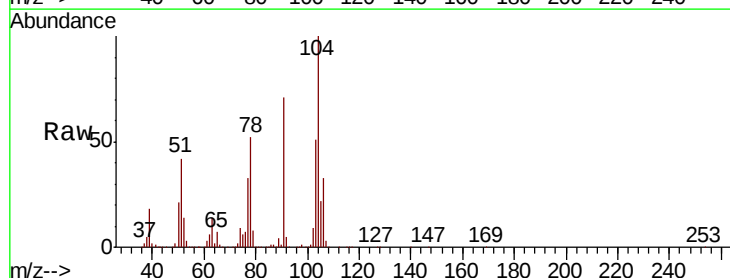
Acq: 25 Mar 2020 13:16

Tgt Ion:104 Resp: 683235

Ion Ratio Lower Upper

104 100

78 51.9 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

400000

300000

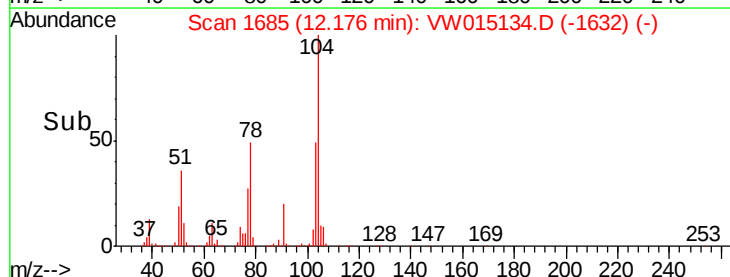
200000

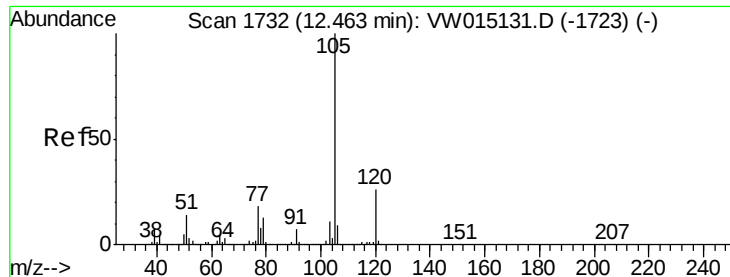
100000

0

12.18

Time-->





#57

Isopropylbenzene

Concen: 27.091 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

ClientSampled :

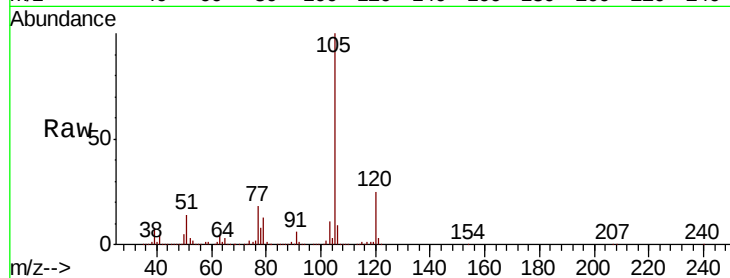
Tot Ion:105 Resp: 1114814

Ion Ratio Lower Upper

105 100

120 24.8 20.0 30.0

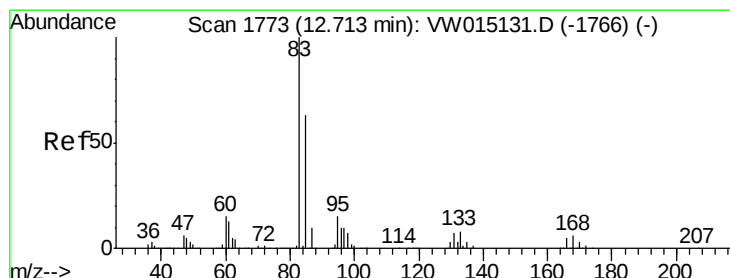
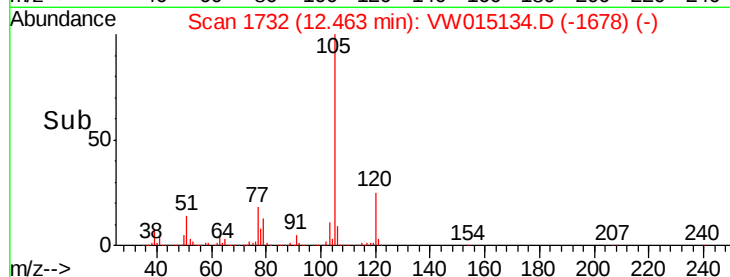
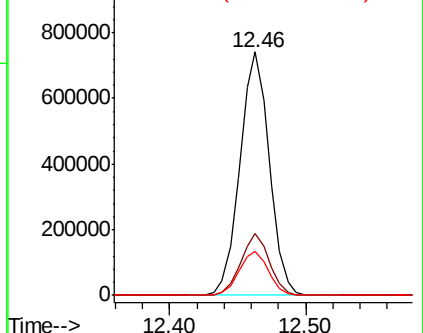
77 18.0 14.5 21.7



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: 26.530 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

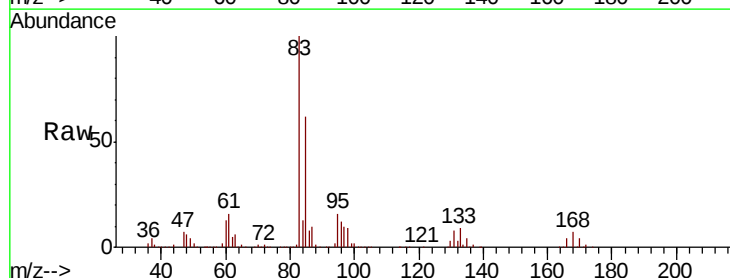
Tgt Ion: 83 Resp: 229030

Ion Ratio Lower Upper

83 100

85 62.0 44.1 81.9

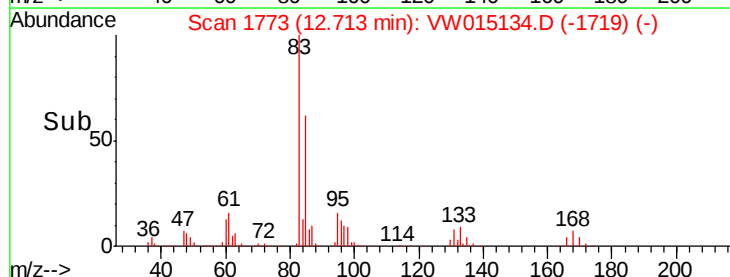
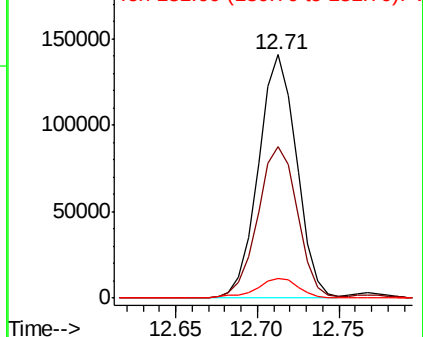
131 8.0 5.9 8.9

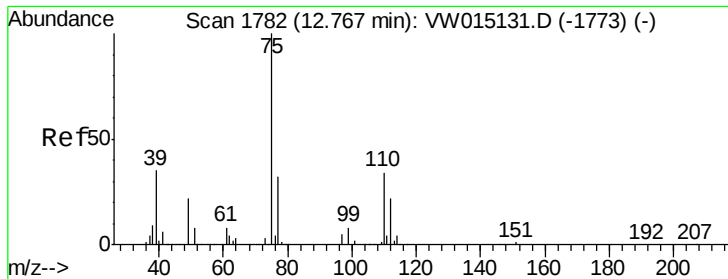


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.760 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

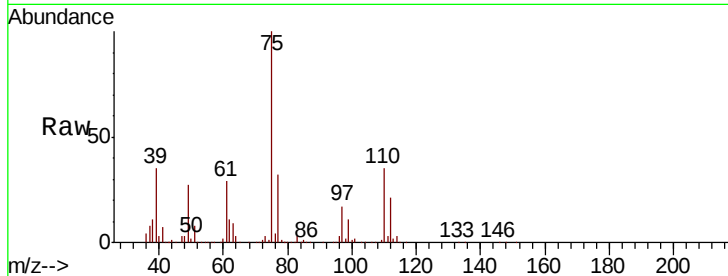
ClientSampleId :

Tot Ion: 75 Resp: 172797

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

100000

80000

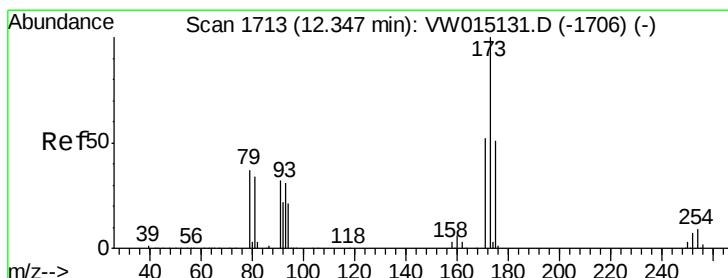
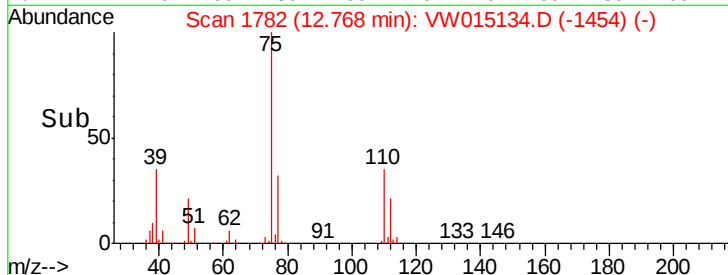
60000

40000

20000

0

Time-->



#62

Bromoform

Concen: 25.454 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

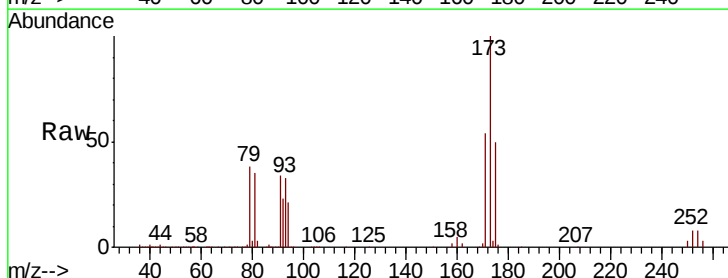
Tgt Ion: 173 Resp: 93085

Ion Ratio Lower Upper

173 100

175 47.9 38.0 57.0

254 8.2 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

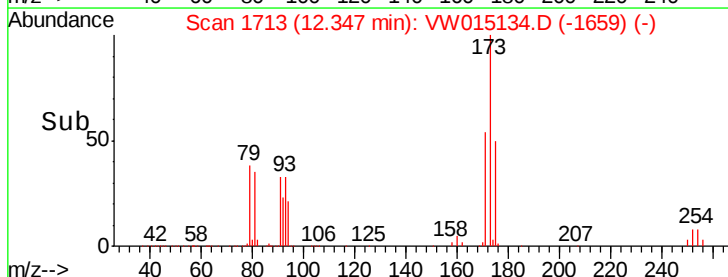
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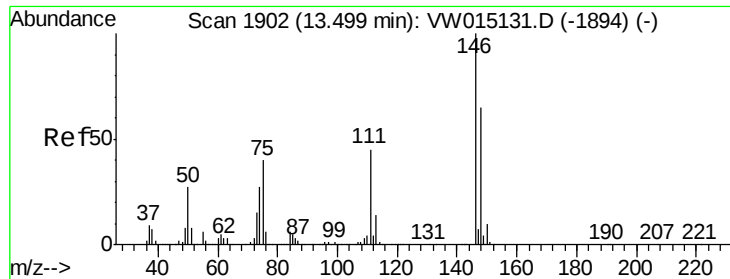
40000

20000

0

Time-->

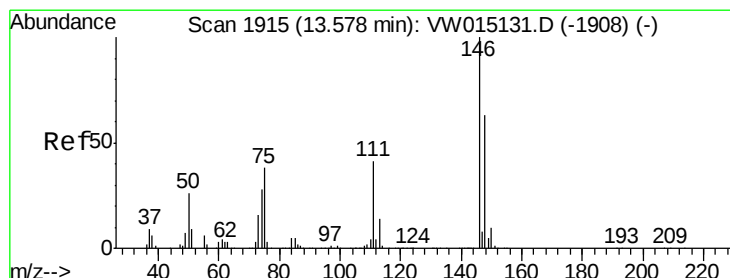
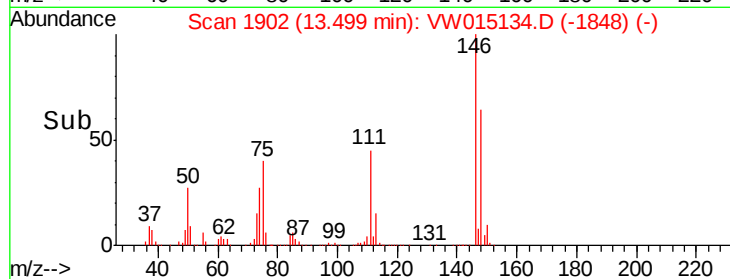
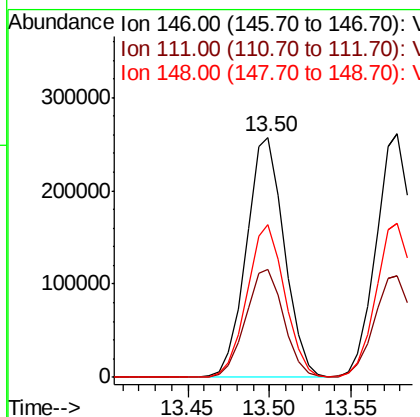
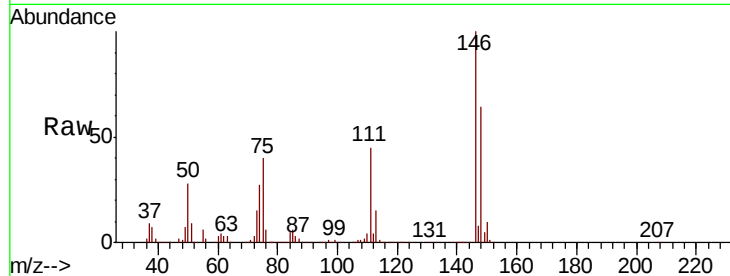




#63
 1,3-Dichlorobenzene
 Concen: 25.229 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

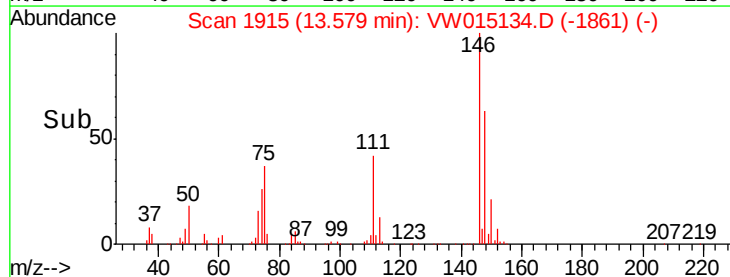
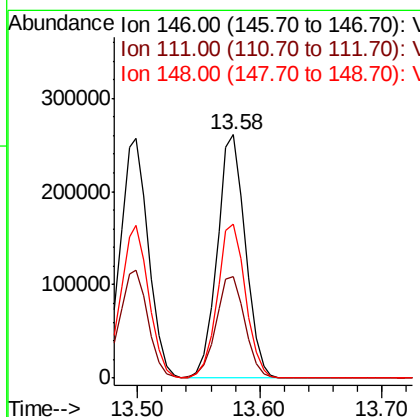
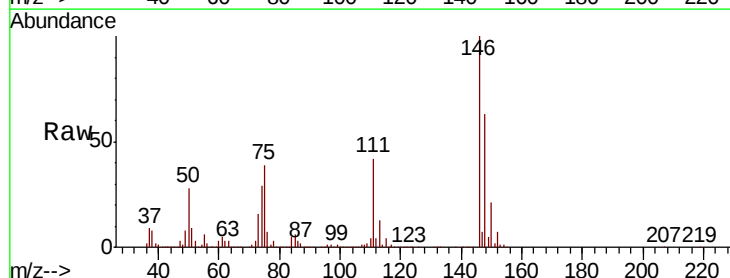
Instrument :
 MSVOA_W
 ClientSampleId :

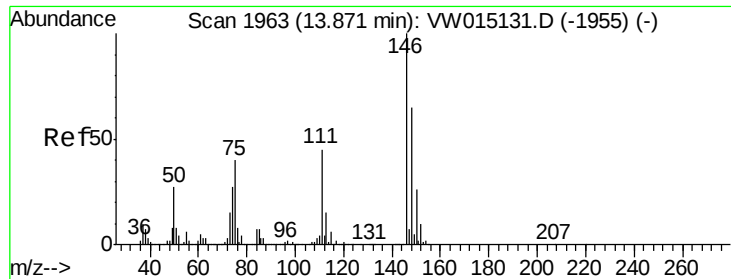
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	31.9	59.2
148	63.8	45.2	84.0



#64
 1,4-Dichlorobenzene
 Concen: 24.677 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	28.8	53.4
148	63.2	44.0	81.6

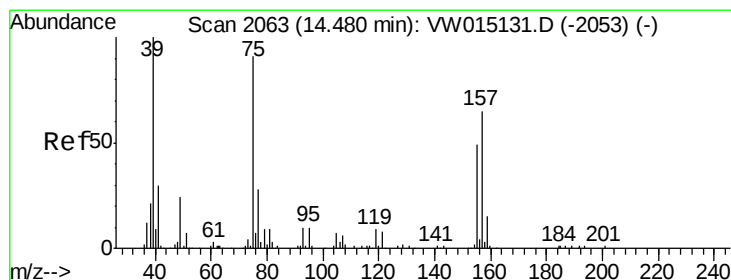
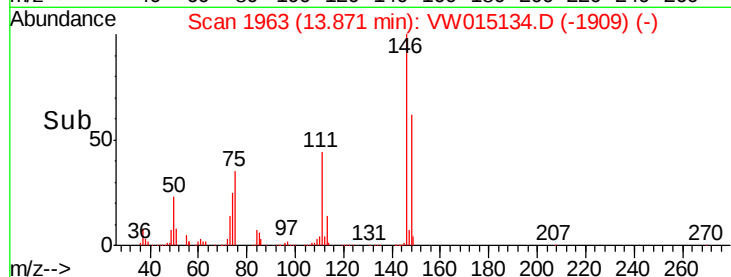
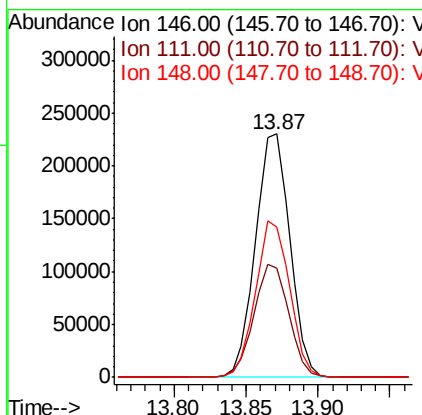
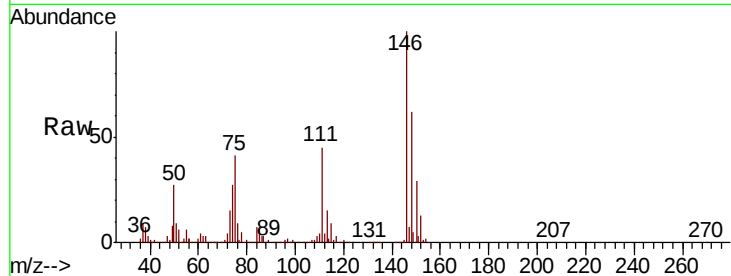




#65
 1,2-Dichlorobenzene
 Concen: 25.359 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

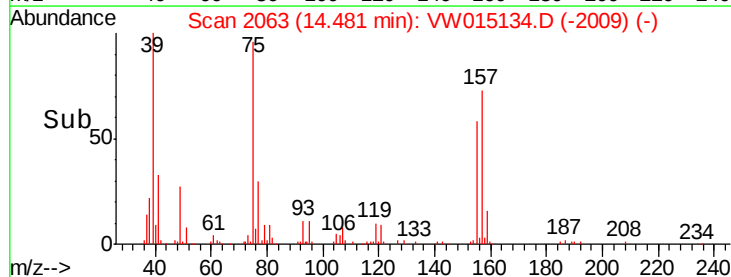
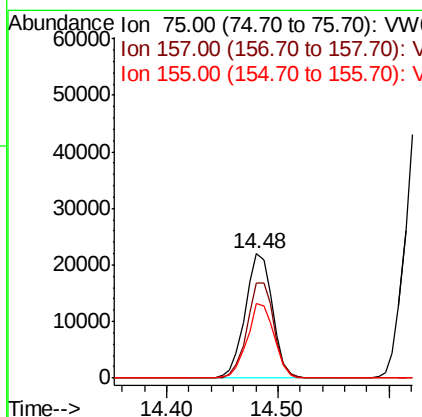
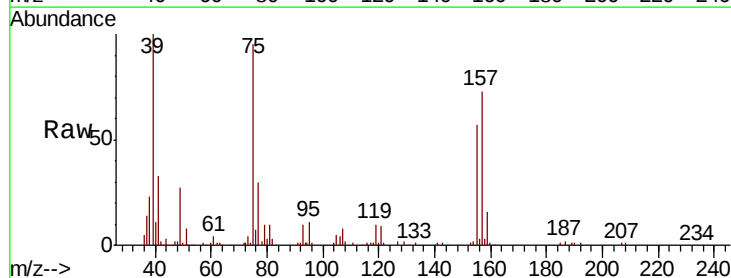
Instrument :
 MSVOA_W
 ClientSampleId :

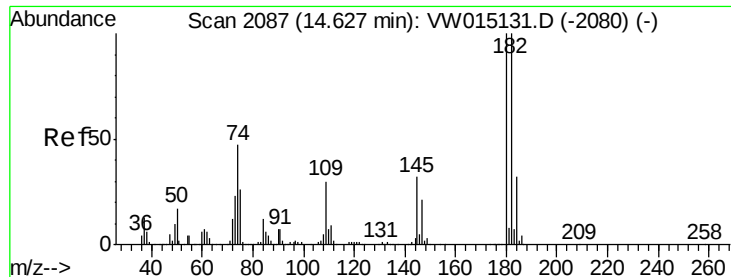
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	35.8	53.8
148	61.8	52.3	78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.262 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
157	76.6	57.3	85.9
155	60.3	43.2	64.8

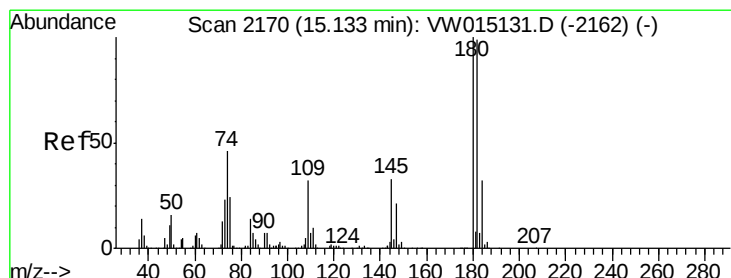
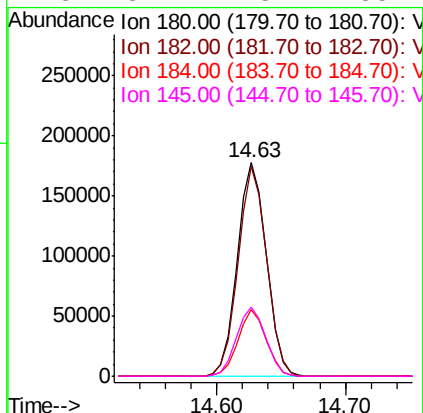
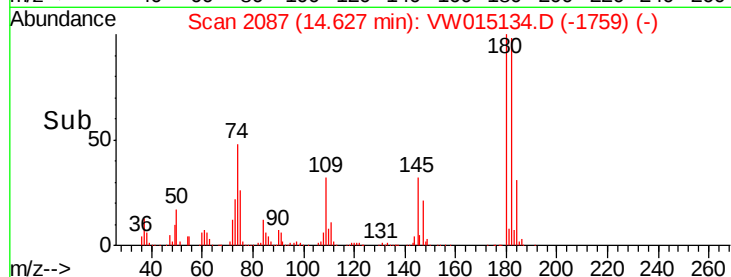
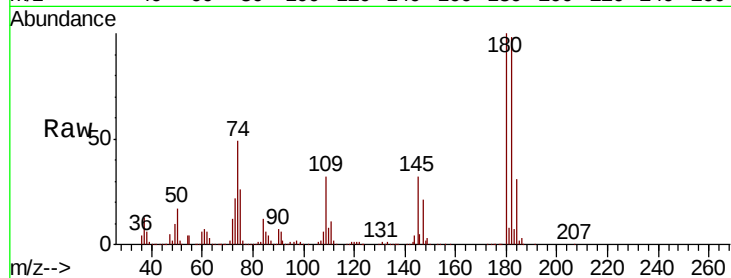




#67
 1,3,5-Trichlorobenzene
 Concen: 26.037 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

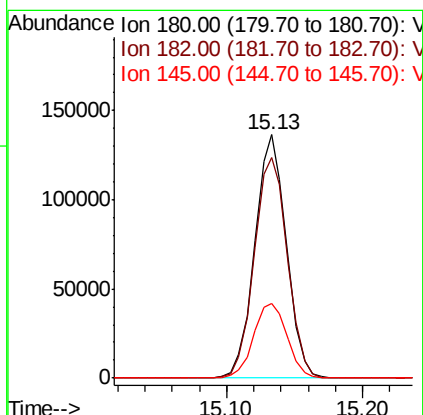
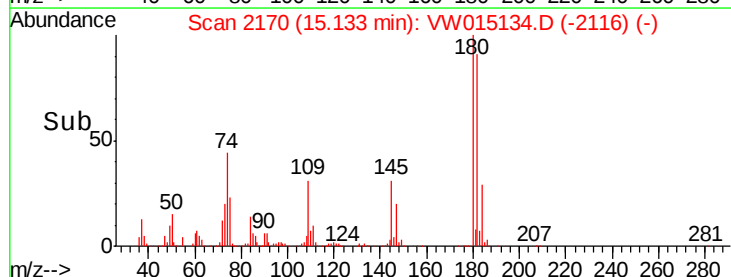
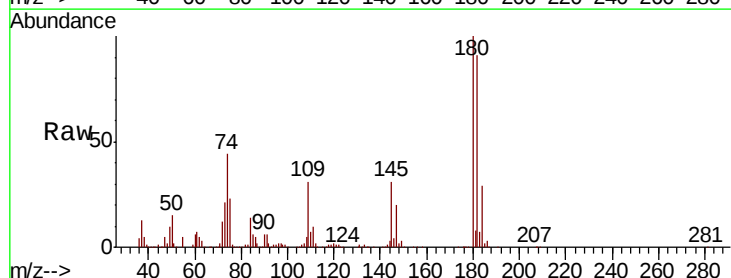
Instrument :
 MSVOA_W
 ClientSampleId :

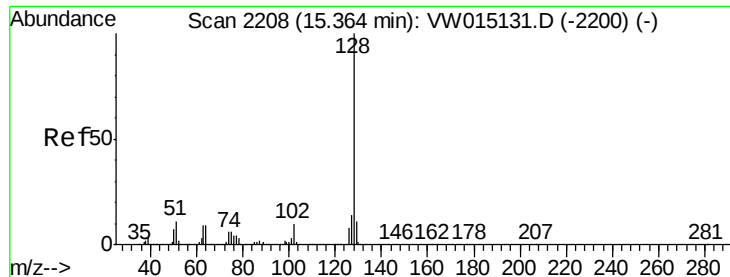
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.6
184	30.3	24.0	36.0
145	32.4	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.817 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015134.D
 Acq: 25 Mar 2020 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	32.6	25.8	38.6





#69

Naphthalene

Concen: 30.075 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

Instrument :

MSVOA_W

ClientSampleId :

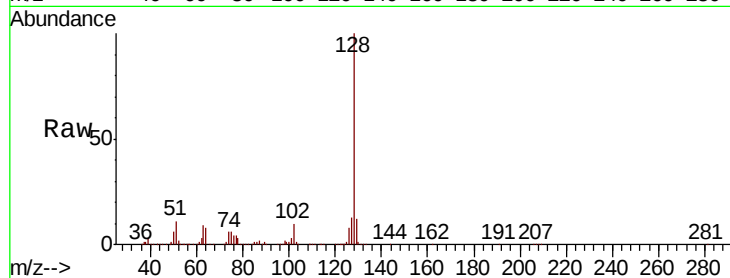
Tot Ion:128 Resp: 467795

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

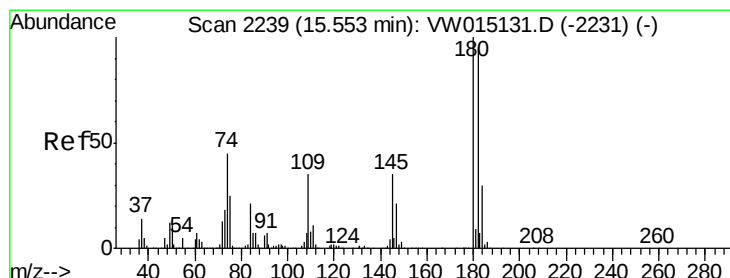
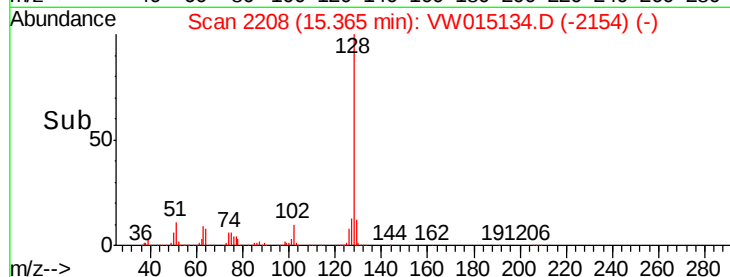
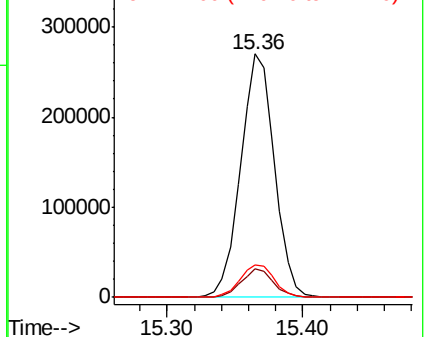
127 13.6 11.0 16.4



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: 27.354 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015134.D

Acq: 25 Mar 2020 13:16

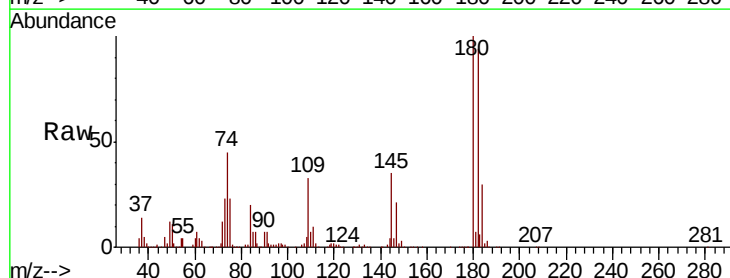
Tgt Ion:180 Resp: 203346

Ion Ratio Lower Upper

180 100

182 94.3 75.9 113.9

145 35.6 27.6 41.4



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

