

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032620\
 Data File : VW015149.D
 Acq On : 26 Mar 2020 16:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 01:07:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 01:00:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	606319	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	543739	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	236840	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	248987	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
7) Chloroethane-d5	2.89	69	215009	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
10) 1,1-Dichloroethene-d2	4.02	63	506961	24.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.36%
20) 2-Butanone-d5	7.07	46	129612	54.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.76%
24) Chloroform-d	7.65	84	446040	24.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.48%
26) 1,2-Dichloroethane-d4	8.30	65	258008	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	8.27	84	872417	25.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.28%
33) 1,2-Dichloropropane-d6	9.27	67	289831	25.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.28%
37) Toluene-d8	10.32	98	766960	25.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.44%
38) trans-1,3-Dichloropropene-	10.58	79	111555	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.84%
39) 2-Hexanone-d5	10.92	63	93354	54.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	199866	25.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	199357	24.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	161615	34.261	ug/L	93
3) Chloromethane	2.21	50	213712	24.500	ug/L	98
5) Vinyl chloride	2.37	62	294211	24.208	ug/L	99
6) Bromomethane	2.78	94	162966	24.292	ug/L	99
8) Chloroethane	2.93	64	186325	25.183	ug/L	96
9) Trichlorofluoromethane	3.26	101	170008	24.993	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	231885	24.503	ug/L	97
12) 1,1-Dichloroethene	4.04	96	217081	24.172	ug/L	90
13) Acetone	4.12	43	132485	62.282	ug/L	99
14) Carbon disulfide	4.38	76	794095	23.771	ug/L	100
15) Methyl Acetate	4.67	43	124977	24.871	ug/L	99
16) Methylene chloride	4.92	84	245227	23.663	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	290854	24.942	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	227789	24.403	ug/L	97
19) 1,1-Dichloroethane	6.21	63	497677	24.881	ug/L	98
21) 2-Butanone	7.17	43	168430	55.903	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	229672	24.777	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032620\
 Data File : VW015149.D
 Acq On : 26 Mar 2020 16:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 27 01:07:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 01:00:03 2020
 Response via : Initial Calibration

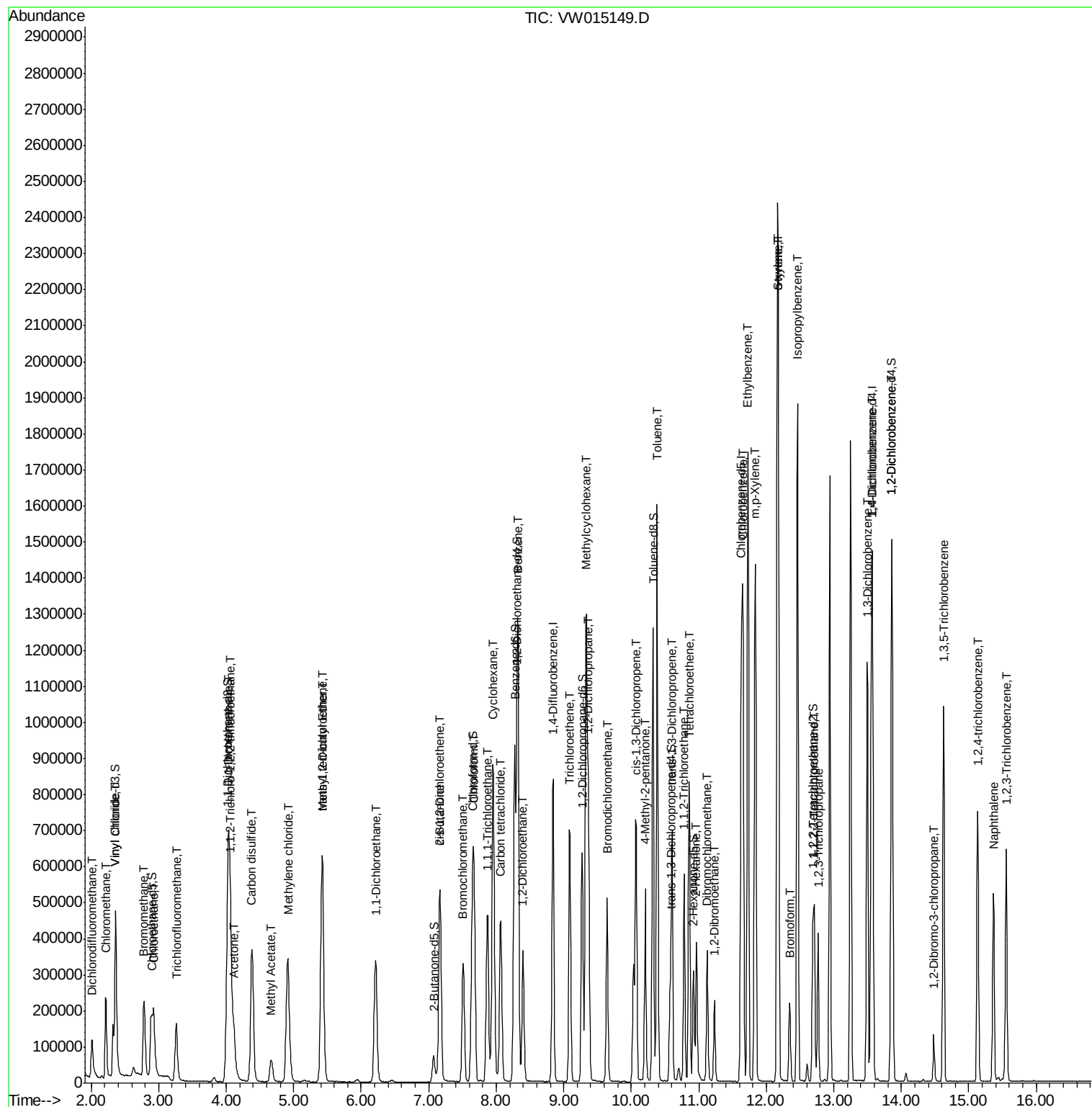
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91130	23.945	ug/L	98
25) Chloroform	7.67	83	448229	24.805	ug/L	100
27) 1,2-Dichloroethane	8.40	62	323769	24.949	ug/L	98
30) Cyclohexane	7.95	56	480190	27.066	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	358818	25.119	ug/L	100
32) Carbon tetrachloride	8.07	117	309553	24.978	ug/L	100
34) Benzene	8.32	78	1041498	25.892	ug/L	100
35) Trichloroethene	9.09	95	245469	25.068	ug/L	99
36) Methylcyclohexane	9.33	83	451094	26.814	ug/L	99
40) 1,2-Dichloropropane	9.37	63	284964	25.688	ug/L	100
41) Bromodichloromethane	9.64	83	323602	25.639	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	385711	26.463	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	357313	56.931	ug/L	99
44) Toluene	10.38	91	1057472	26.586	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	338698	26.575	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	163548	25.080	ug/L	97
47) Tetrachloroethene	10.86	164	154507	24.449	ug/L	99
49) 2-Hexanone	10.96	43	267689	63.952	ug/L	99
50) Dibromochloromethane	11.13	129	169460	25.277	ug/L	98
51) 1,2-Dibromoethane	11.23	107	143457	24.841	ug/L	100
52) Chlorobenzene	11.65	112	582663	25.061	ug/L	96
53) Ethylbenzene	11.73	91	1152367	26.823	ug/L	100
54) m,p-Xylene	11.84	106	408310	27.109	ug/L	94
55) o-xylene	12.16	106	376258	26.647	ug/L	100
56) Styrene	12.18	104	655902	27.293	ug/L	94
57) Isopropylbenzene	12.46	105	1058972	27.220	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	210503	25.792	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	155287	25.437	ug/L	100
62) Bromoform	12.35	173	83324	24.200	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	395102	25.454	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	396364	24.958	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	354179	25.073	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	32997	24.523	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	256564	25.675	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	195416	25.946	ug/L	98
69) Naphthalene	15.36	128	387731	26.476	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	178027	25.436	ug/L	100

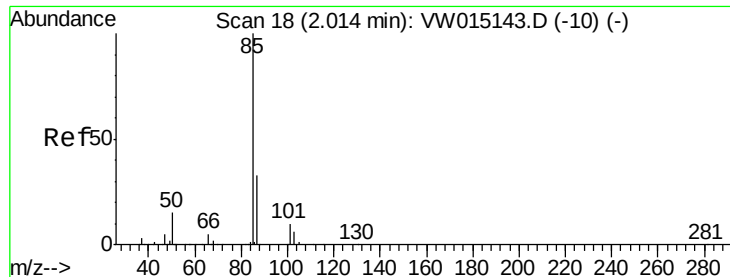
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032620\
Data File : VW015149.D
Acq On : 26 Mar 2020 16:44
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Mar 27 01:07:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 27 01:00:03 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 34.261 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

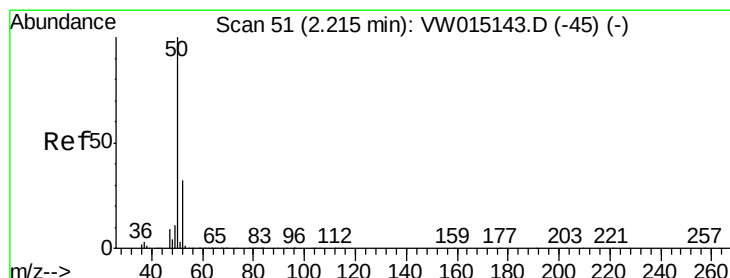
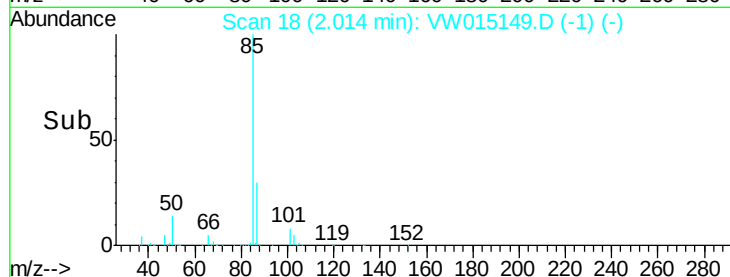
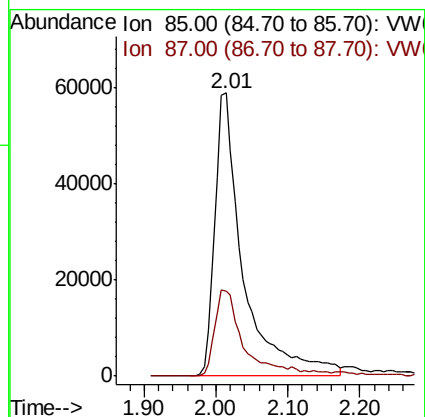
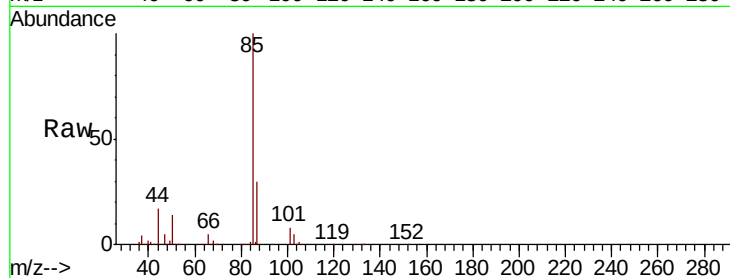
ClientSampleId :

Tot Ion: 85 Resp: 161615

Ion Ratio Lower Upper

85 100

87 29.3 23.4 43.6



#3

Chloromethane

Concen: 24.500 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015149.D

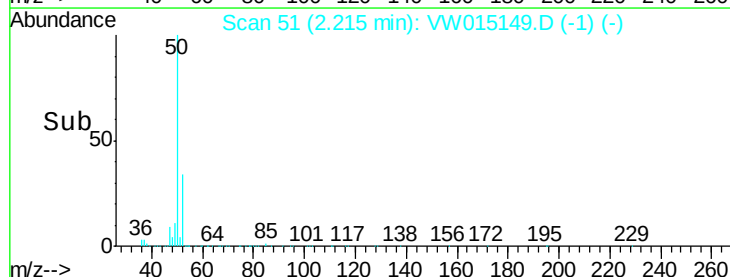
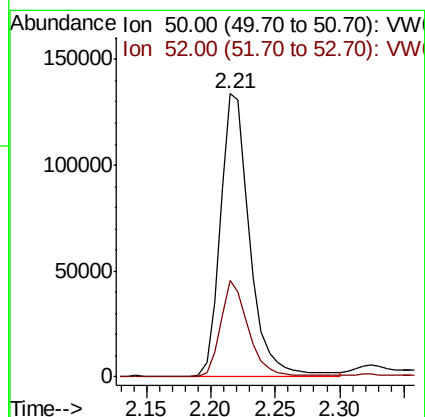
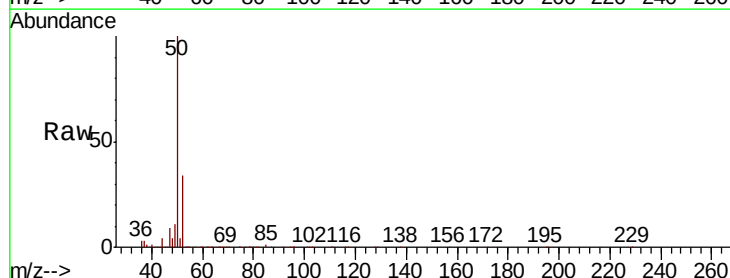
Acq: 26 Mar 2020 16:44

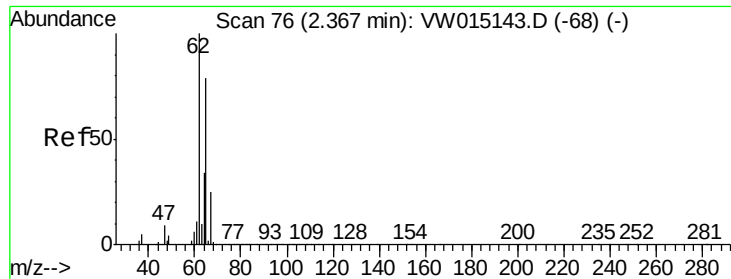
Tgt Ion: 50 Resp: 213712

Ion Ratio Lower Upper

50 100

52 33.9 23.0 42.8





#5

Vinyl chloride

Concen: 24.208 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

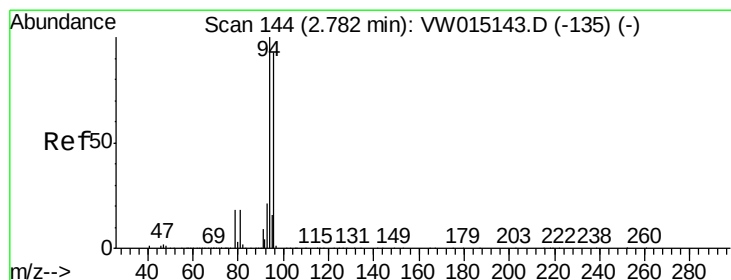
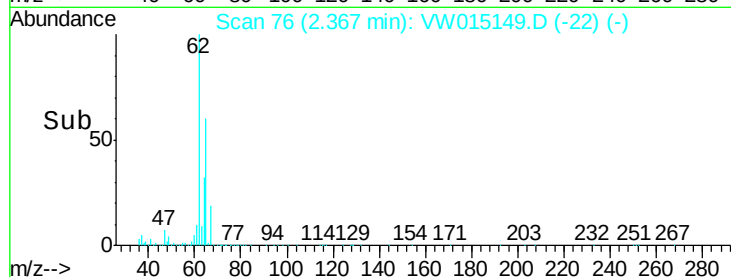
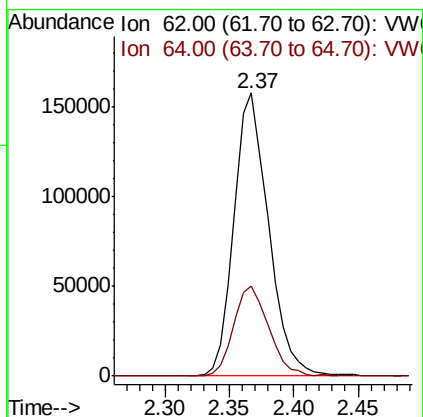
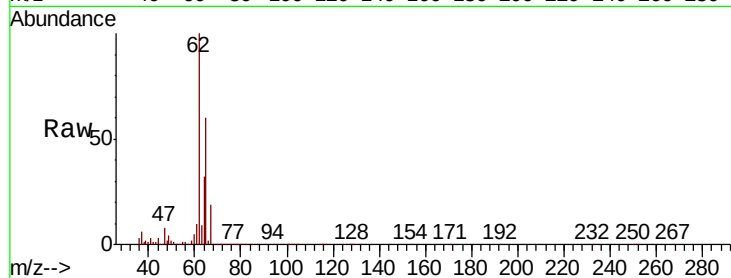
ClientSampleId :

Tot Ion: 62 Resp: 294211

Ion Ratio Lower Upper

62 100

64 31.8 22.7 42.3



#6

Bromomethane

Concen: 24.292 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015149.D

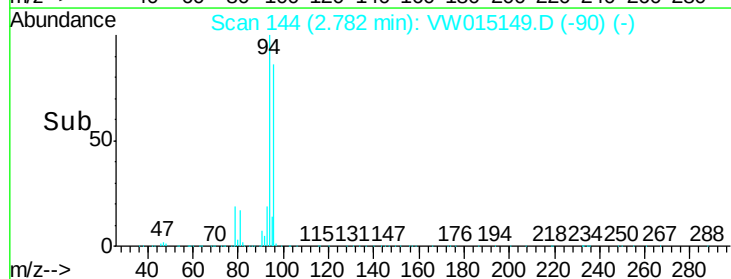
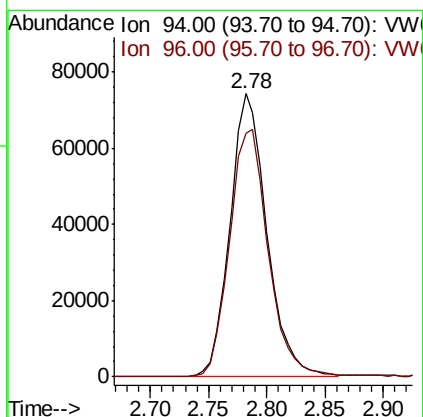
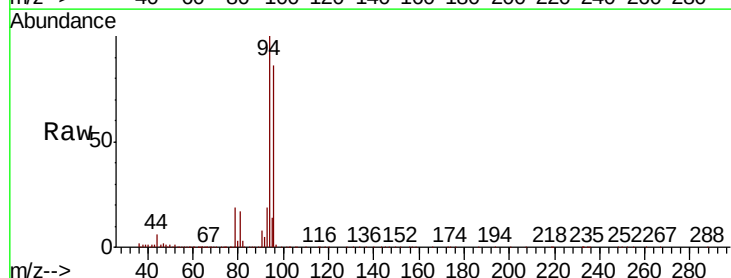
Acq: 26 Mar 2020 16:44

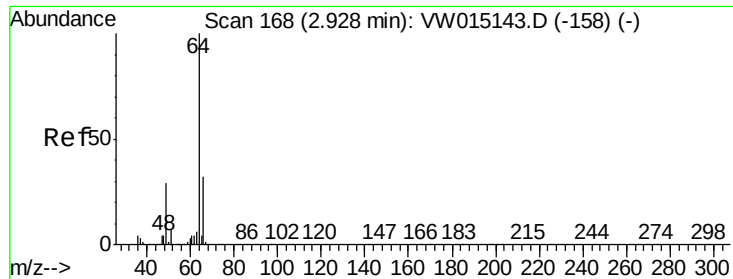
Tgt Ion: 94 Resp: 162966

Ion Ratio Lower Upper

94 100

96 92.3 9.3 177.3





#8

Chloroethane

Concen: 25.183 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

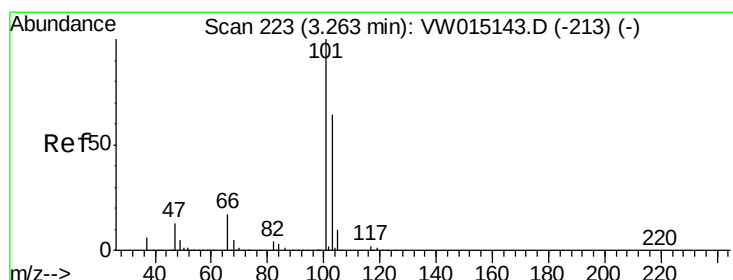
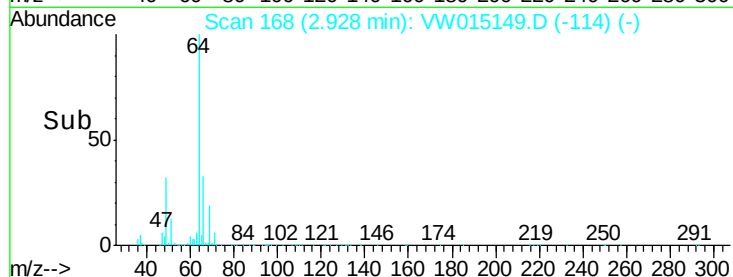
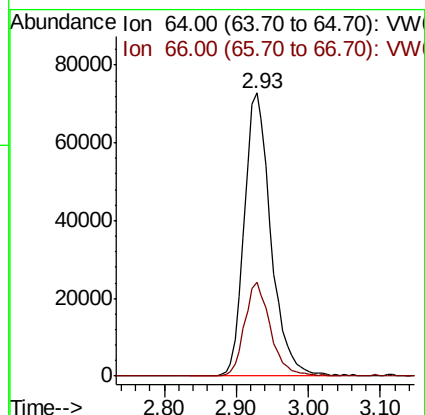
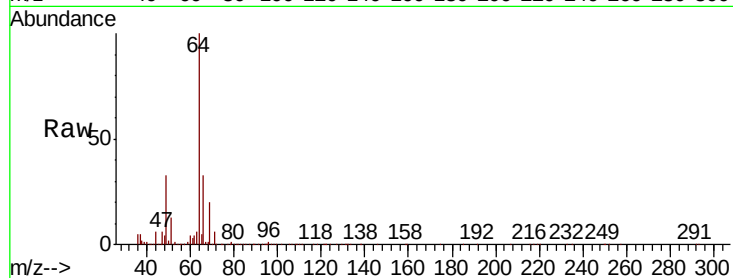
ClientSampled :

Tot Ion: 64 Resp: 186325

Ion Ratio Lower Upper

64 100

66 33.4 21.8 40.6



#9

Trichlorofluoromethane

Concen: 24.993 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015149.D

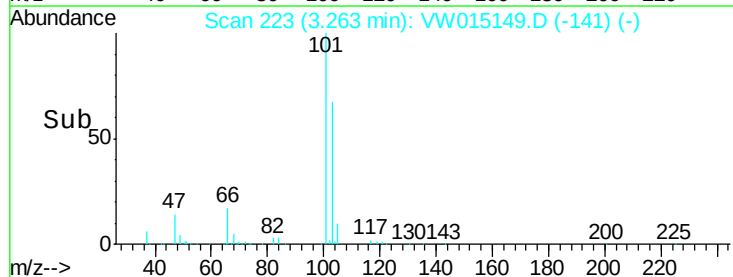
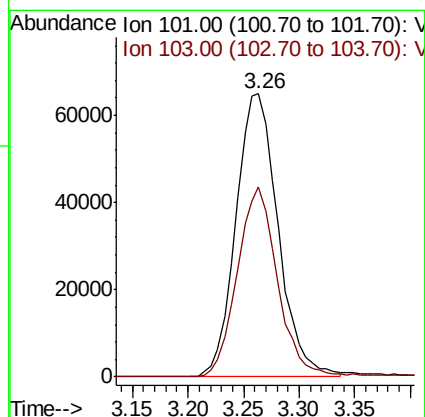
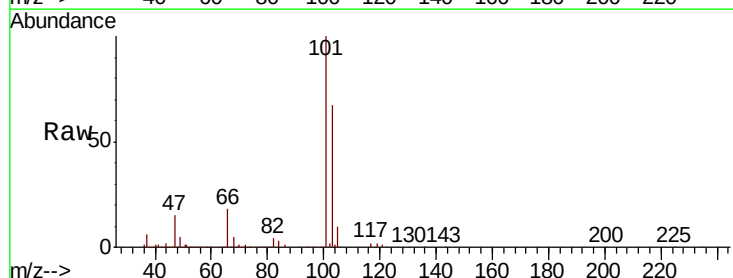
Acq: 26 Mar 2020 16:44

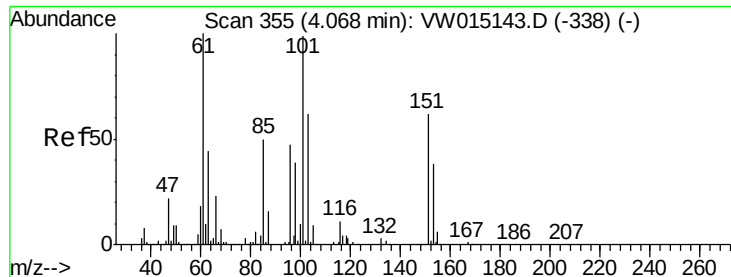
Tgt Ion: 101 Resp: 170008

Ion Ratio Lower Upper

101 100

103 64.2 43.8 81.4





#11

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

Concen: 24.503 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

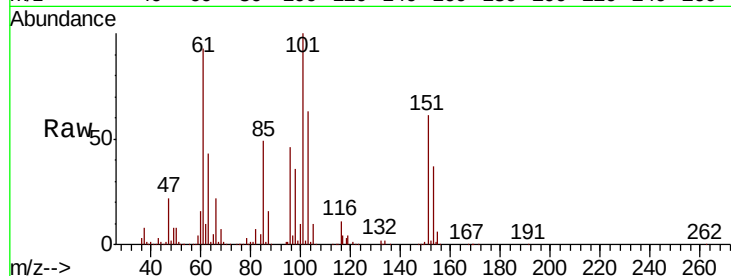
Tot Ion:101 Resp: 231885

Ion Ratio Lower Upper

101 100

85 48.7 37.8 56.6

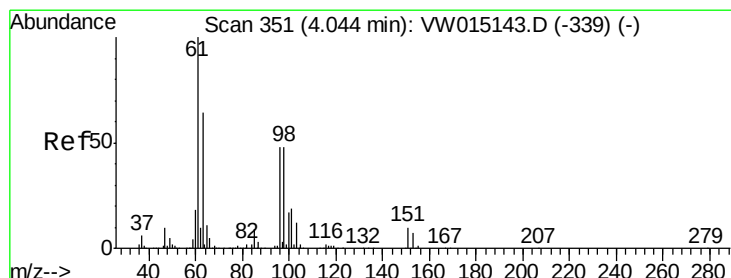
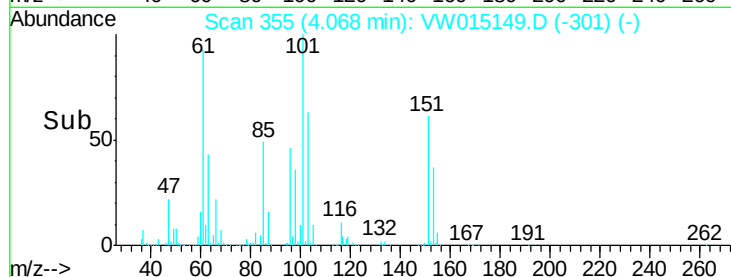
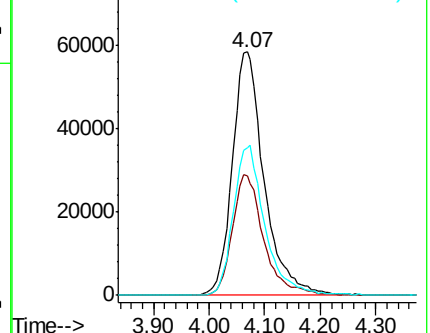
151 60.6 50.2 75.4



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: 24.172 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

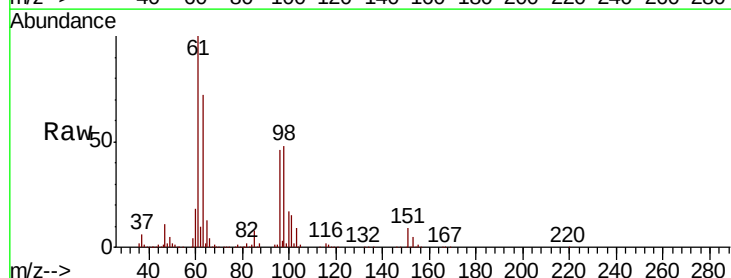
Tgt Ion: 96 Resp: 217081

Ion Ratio Lower Upper

96 100

61 217.5 146.2 271.4

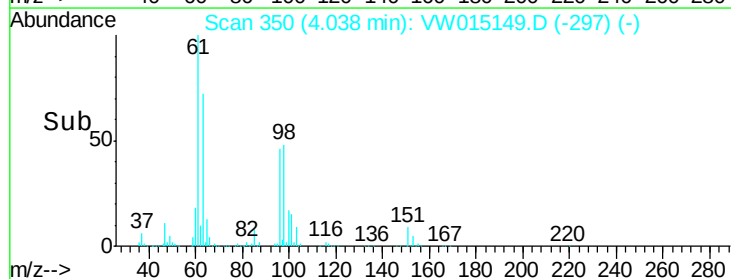
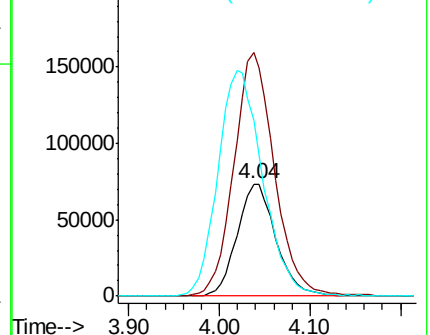
63 156.9 95.0 176.4

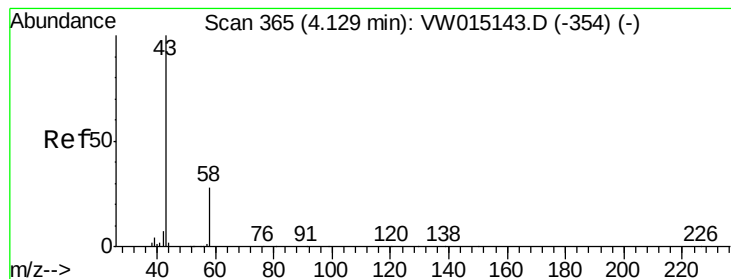


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 62.282 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

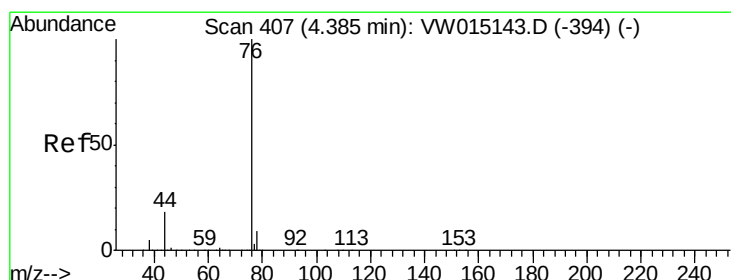
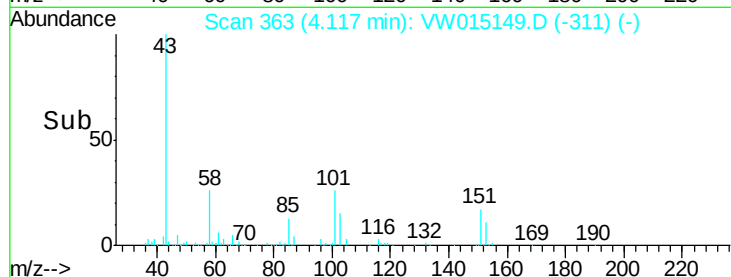
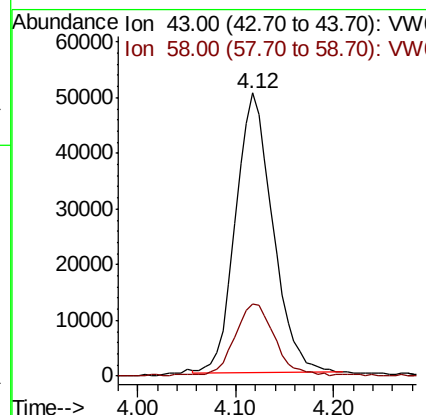
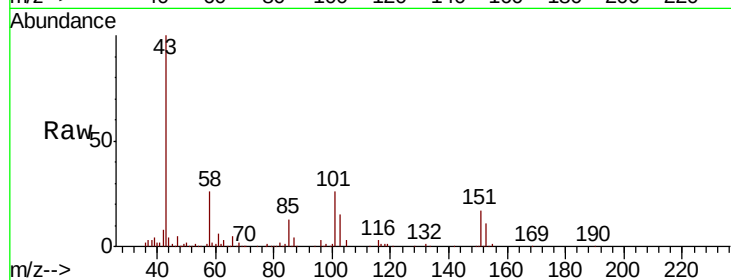
ClientSampleId :

Tot Ion: 43 Resp: 132485

Ion Ratio Lower Upper

43 100

58 27.7 0.0 54.4



#14

Carbon disulfide

Concen: 23.771 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015149.D

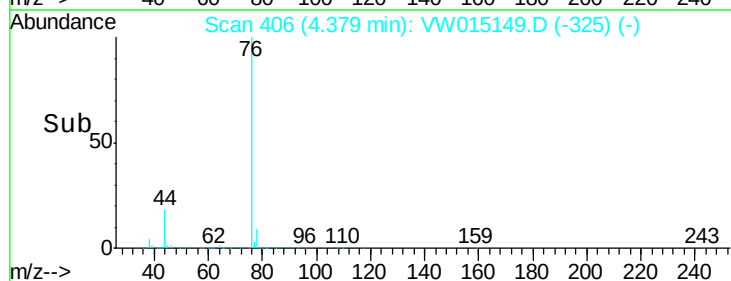
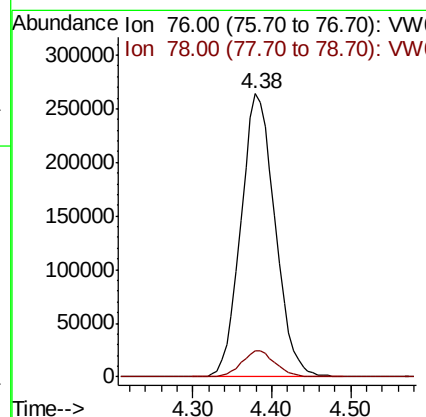
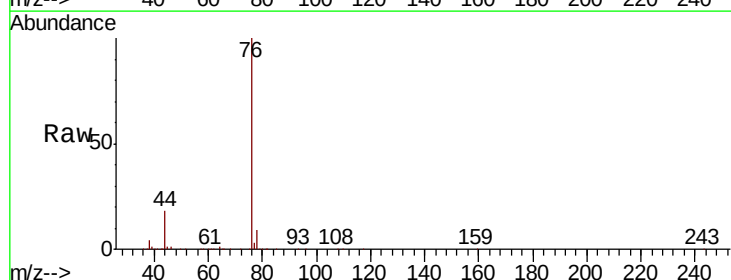
Acq: 26 Mar 2020 16:44

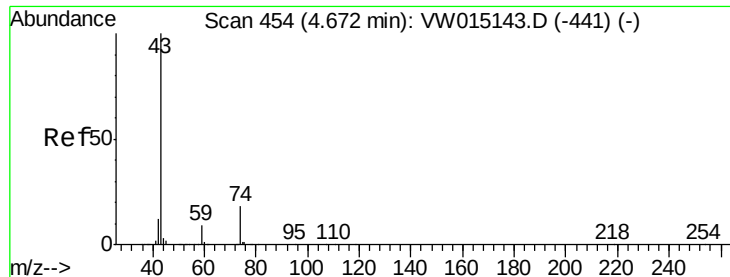
Tgt Ion: 76 Resp: 794095

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

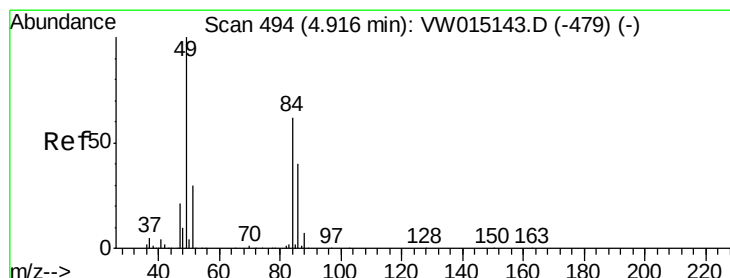
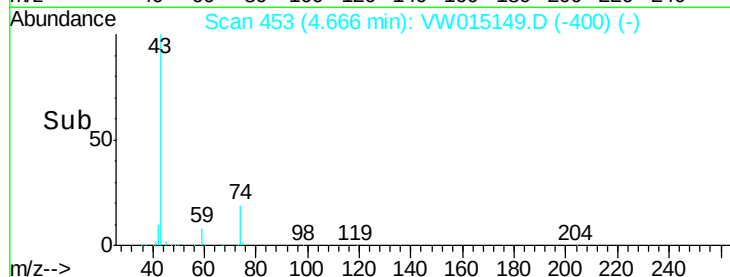
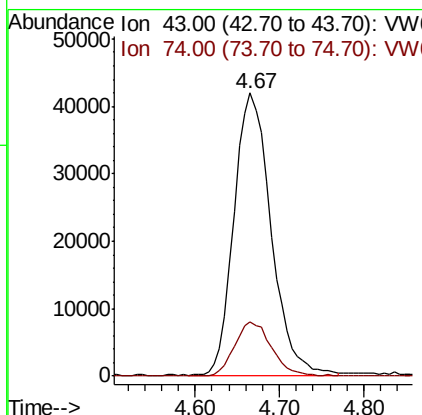
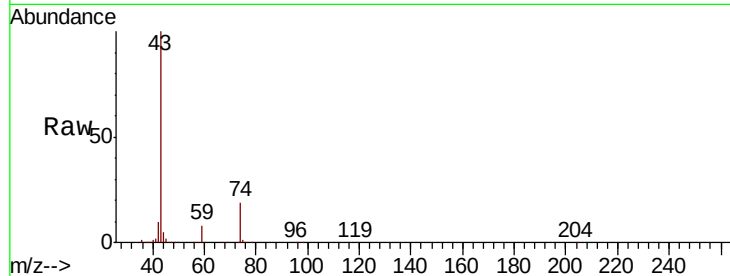




#15
Methvl Acetate
Concen: 24.871 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

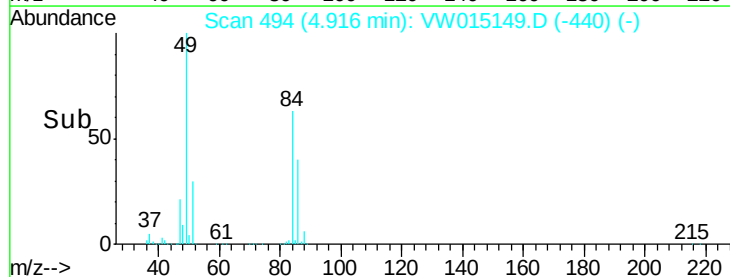
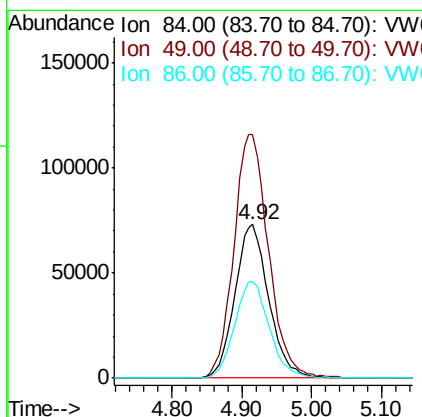
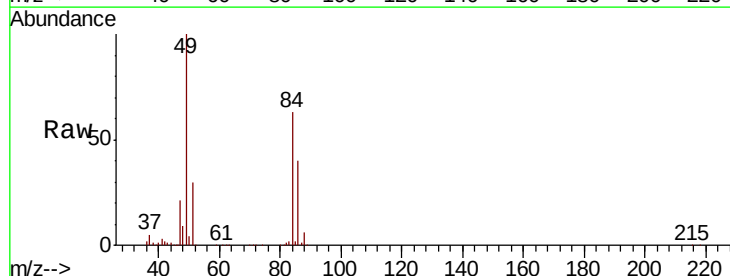
Instrument :
MSVOA_W
ClientSampleId :

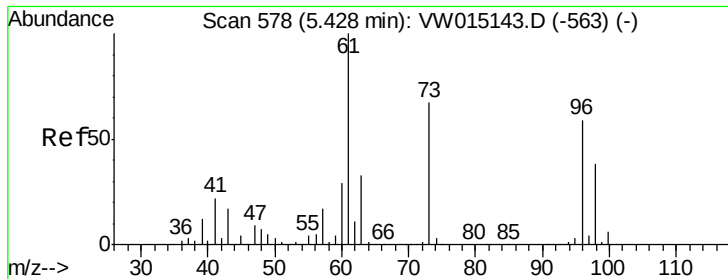
Tot Ion: 43 Resp: 124977
Ion Ratio Lower Upper
43 100
74 19.2 15.5 23.3



#16
Methylene chloride
Concen: 23.663 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Tgt Ion: 84 Resp: 245227
Ion Ratio Lower Upper
84 100
49 158.5 111.7 207.5
86 63.1 44.7 82.9

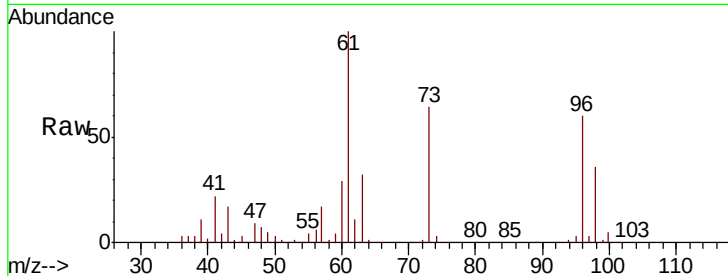




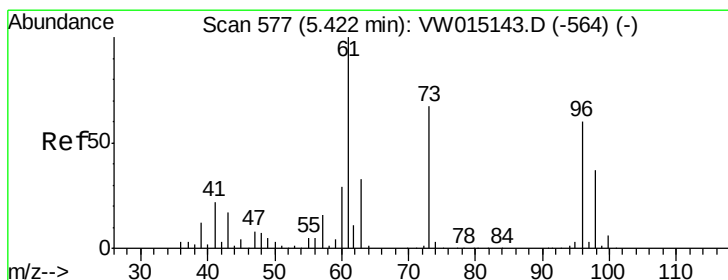
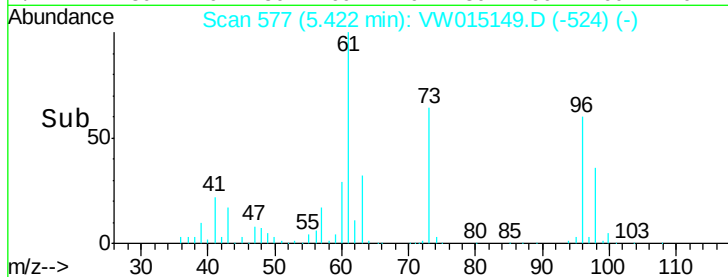
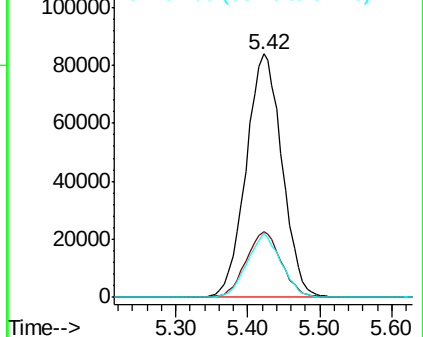
#17
Methyl tert-butyl Ether
Concen: 24.942 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 290854
Ion Ratio Lower Upper
73 100
43 26.6 20.2 30.2
57 24.8 19.7 29.5

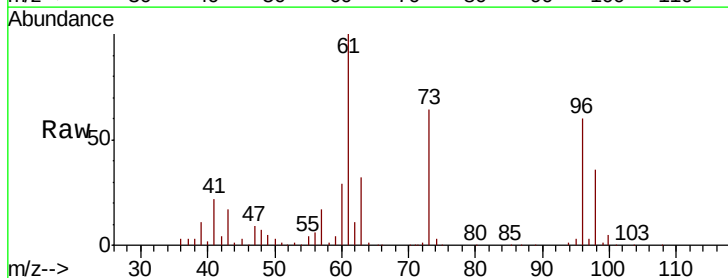


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

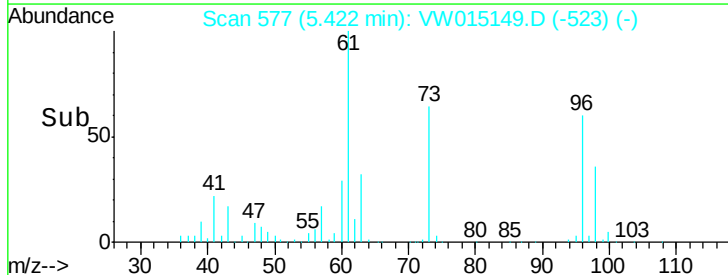
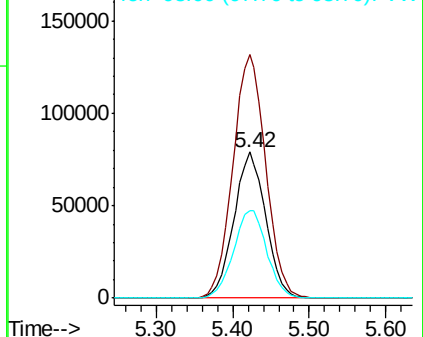


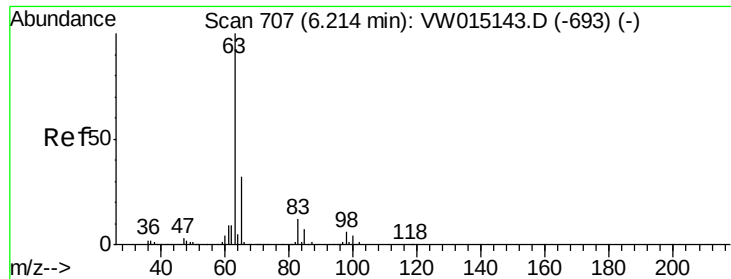
#18
trans-1,2-Dichloroethene
Concen: 24.403 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Tgt Ion: 96 Resp: 227789
Ion Ratio Lower Upper
96 100
61 166.5 118.1 219.3
98 60.2 45.8 85.2



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: 24.881 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

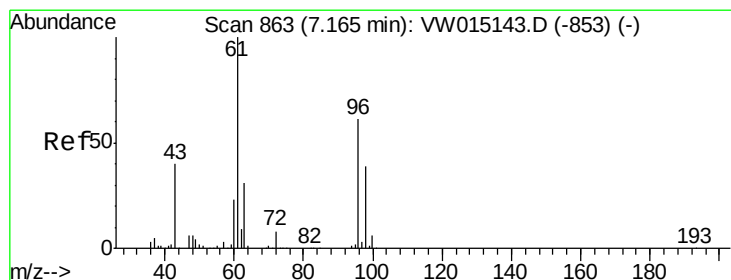
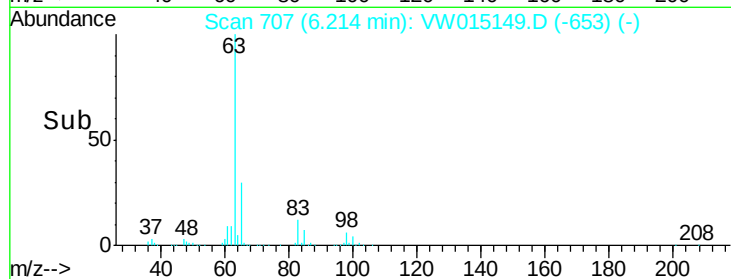
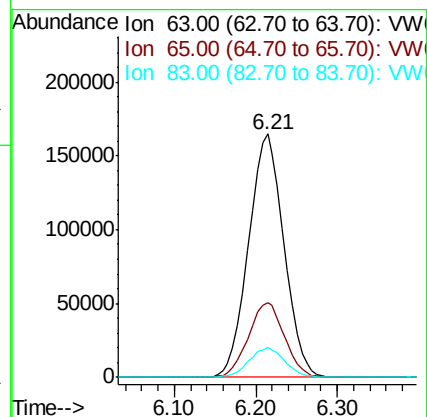
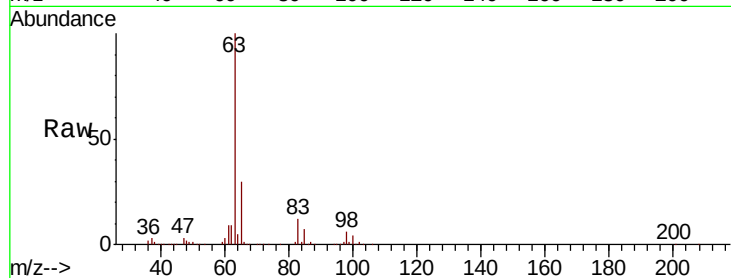
Tot Ion: 63 Resp: 497677

Ion Ratio Lower Upper

63 100

65 30.4 20.6 38.4

83 12.4 8.1 15.1



#21

2-Butanone

Concen: 55.903 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015149.D

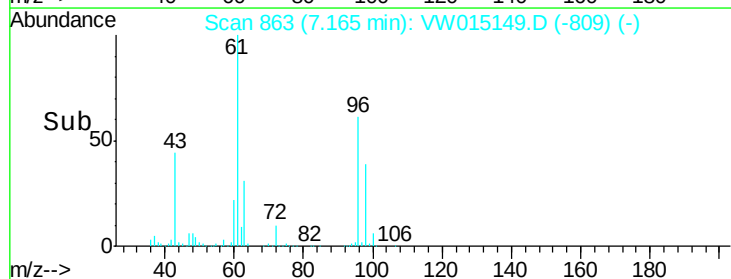
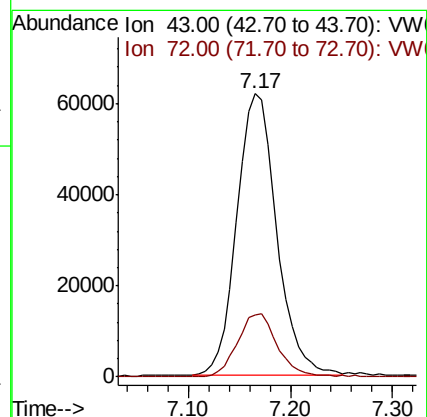
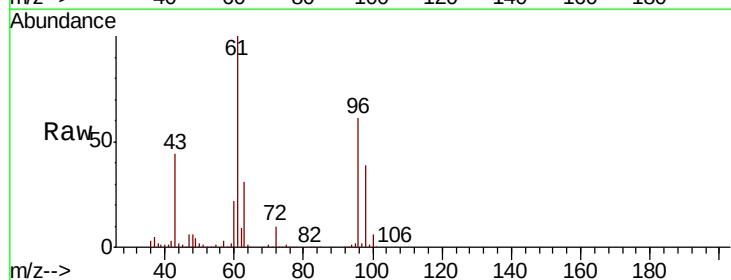
Acq: 26 Mar 2020 16:44

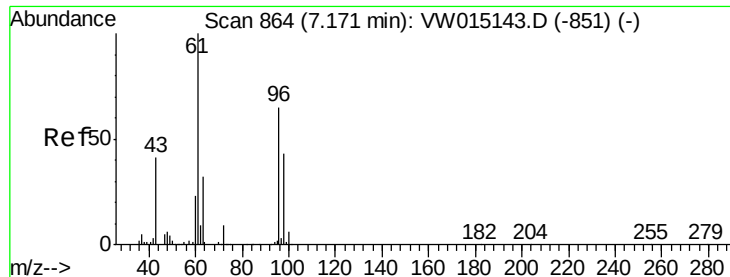
Tgt Ion: 43 Resp: 168430

Ion Ratio Lower Upper

43 100

72 21.9 11.7 35.0



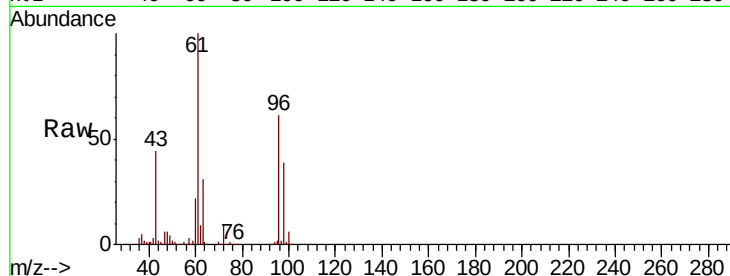


#22

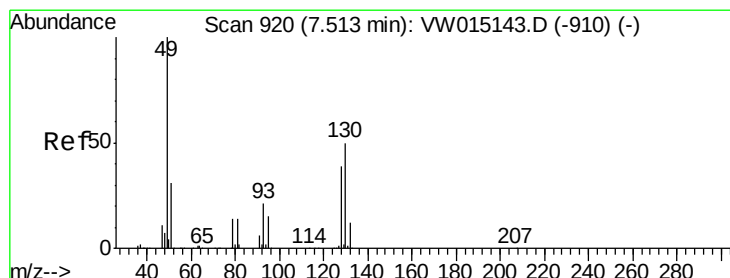
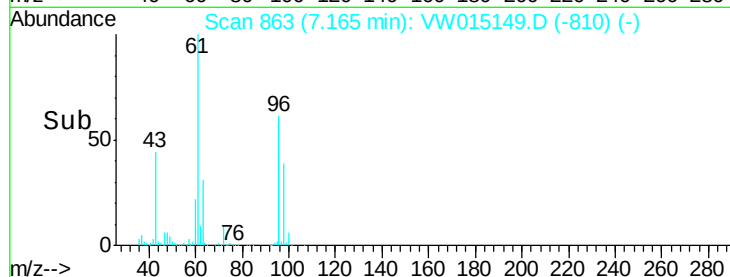
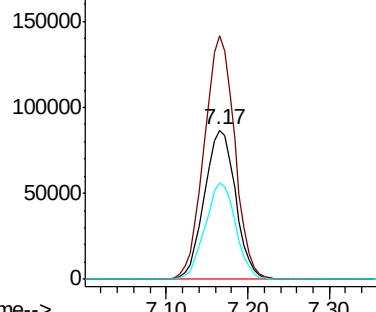
cis-1,2-Dichloroethene
 Concen: 24.777 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	96	Resp	229672
Ion	Ratio	Lower	Upper
96	100		
61	163.4	105.6	196.0
98	64.5	43.3	80.5



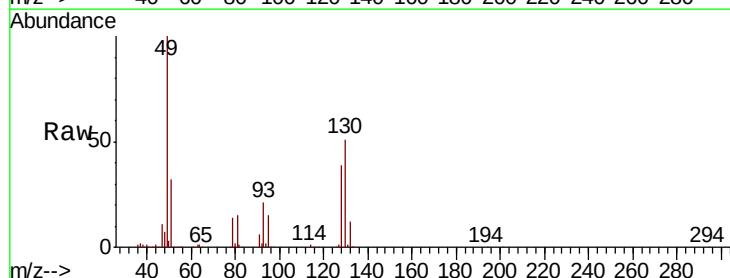
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



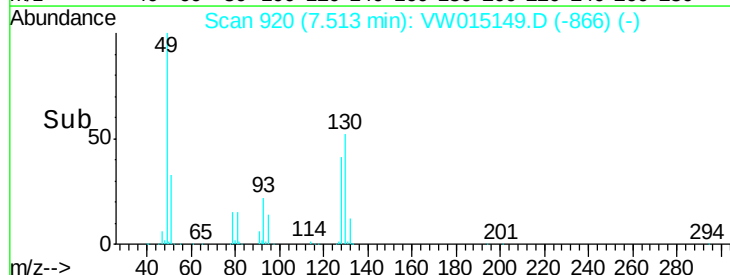
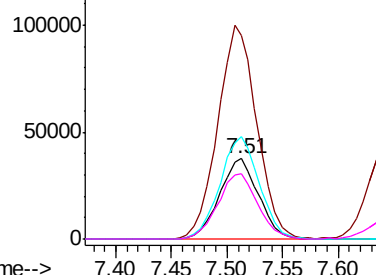
#23

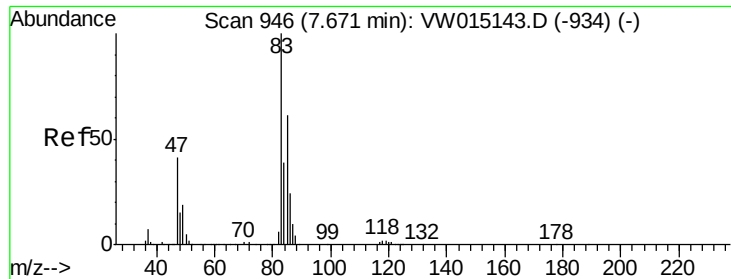
Bromochloromethane
 Concen: 23.945 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Tgt Ion	128	Resp	91130
Ion	Ratio	Lower	Upper
128	100		
49	253.5	181.2	336.6
130	128.1	88.4	164.2
51	81.6	66.2	99.4



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

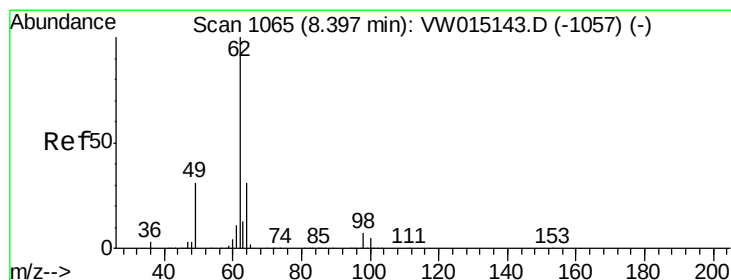
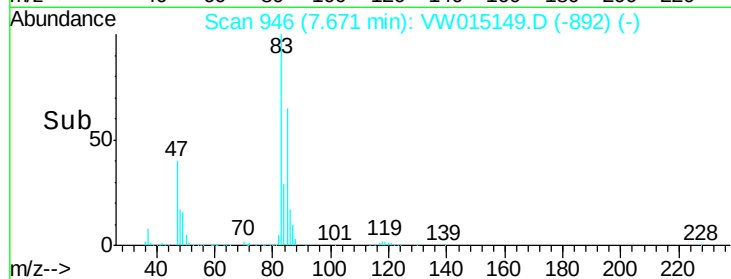
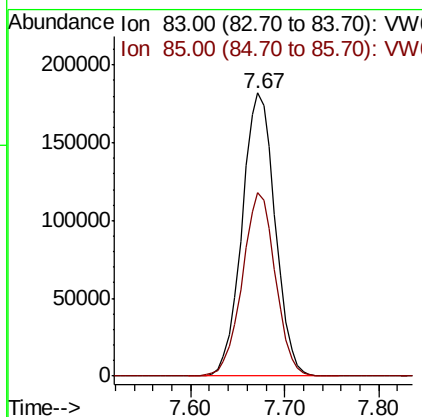
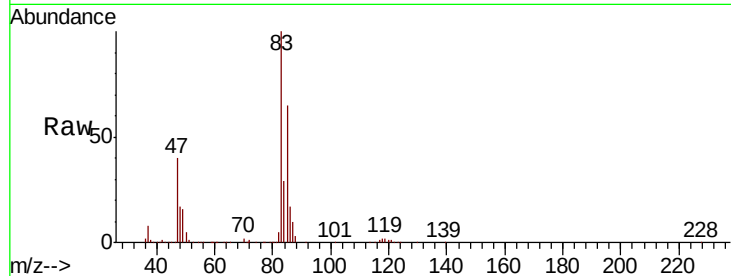




#25
Chloroform
Concen: 24.805 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

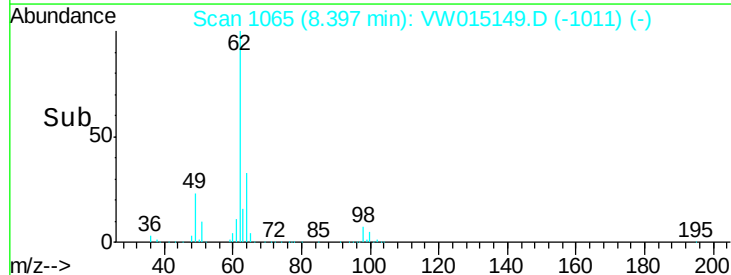
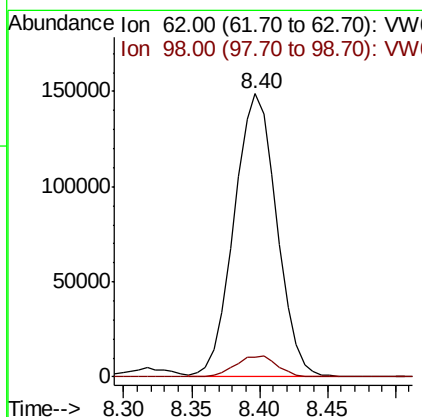
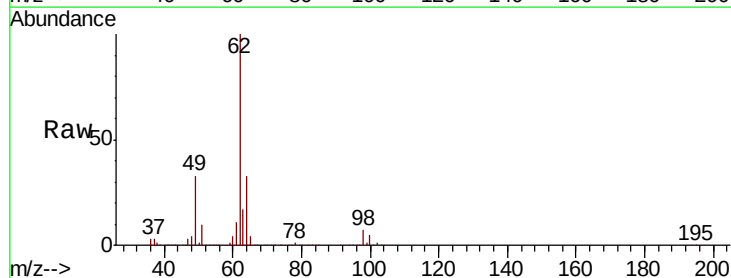
Instrument :
MSVOA_W
ClientSampled :

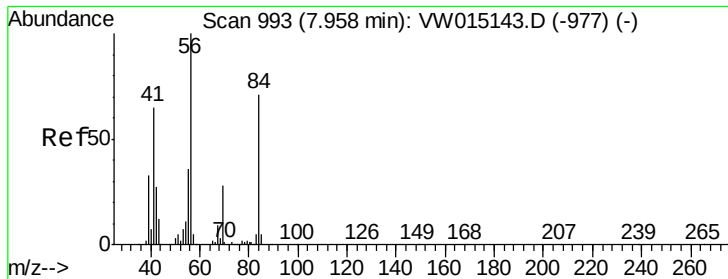
Tot Ion: 83 Resp: 448229
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.949 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Tgt Ion: 62 Resp: 323769
Ion Ratio Lower Upper
62 100
98 7.1 6.2 9.4

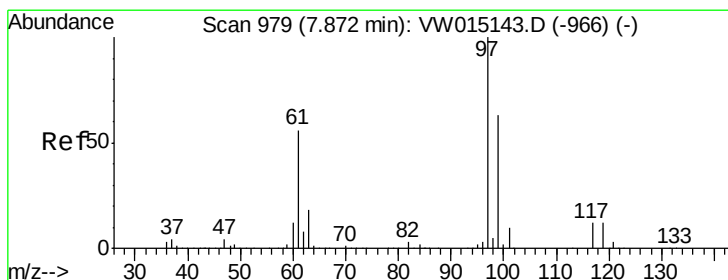
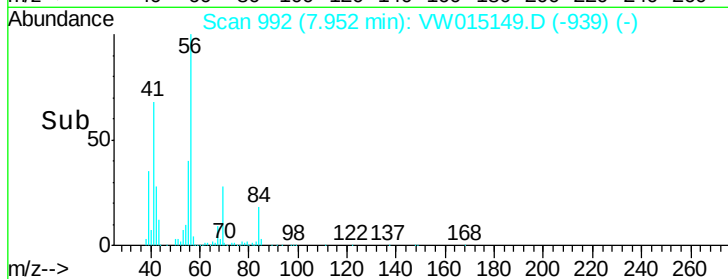
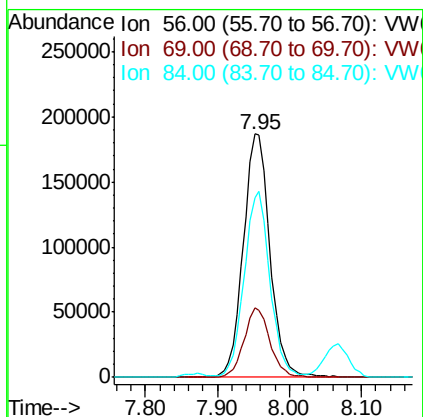
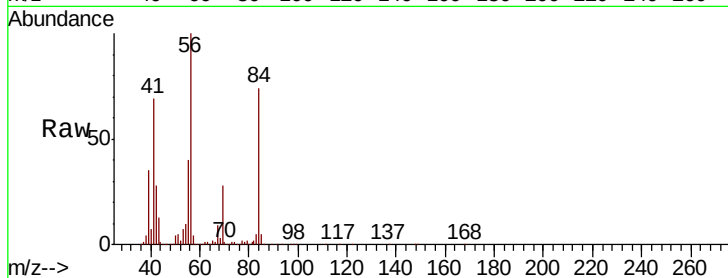




#30
Cyclohexane
Concen: 27.066 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

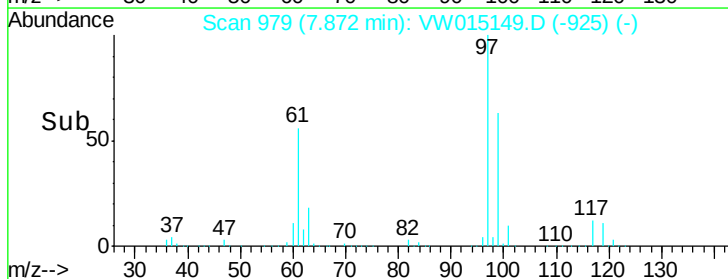
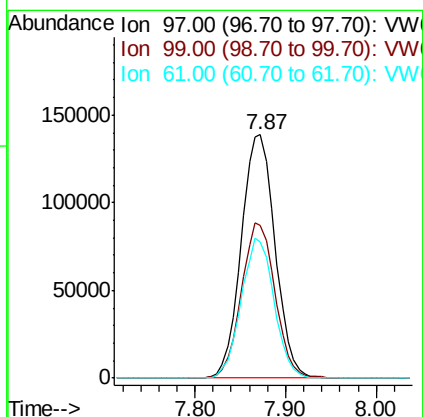
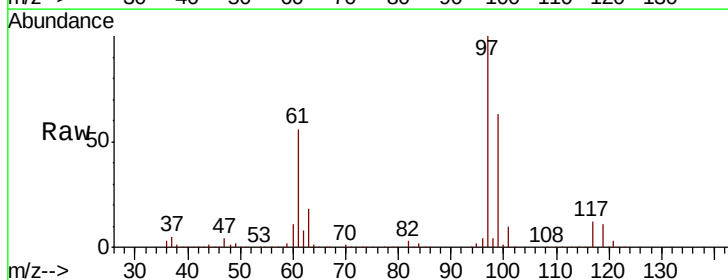
Instrument :
MSVOA_W
ClientSampled :

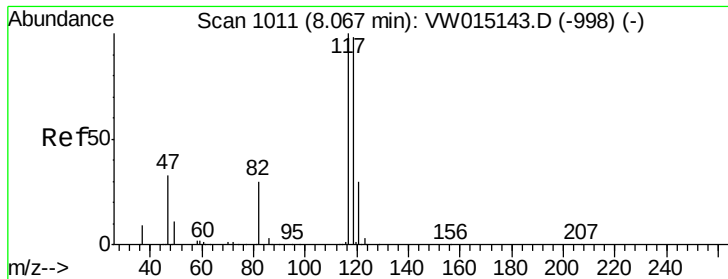
Tot Ion	56	Resp	480190
Ion Ratio	Lower	Upper	
56	100		
69	27.5	22.0	33.0
84	73.9	58.9	88.3



#31
1,1,1-Trichloroethane
Concen: 25.119 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Tgt Ion	97	Resp	358818
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.0	76.4
61	56.0	44.8	67.2





#32

Carbon tetrachloride

Concen: 24.978 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

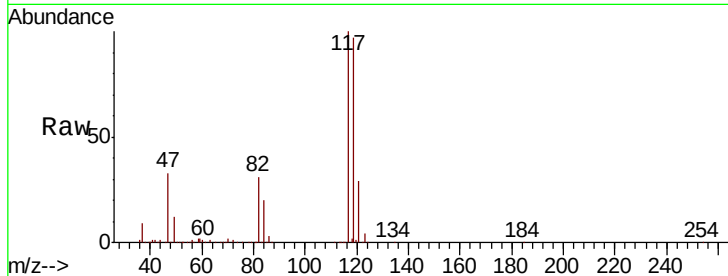
ClientSampleId :

Tot Ion:117 Resp: 309553

Ion Ratio Lower Upper

117 100

119 95.4 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

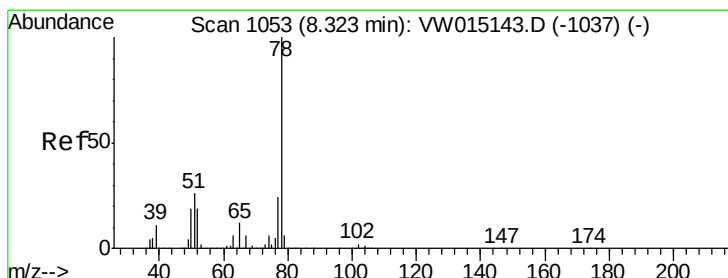
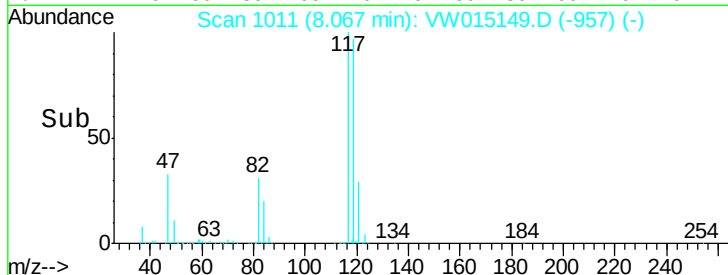
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 25.892 ug/L

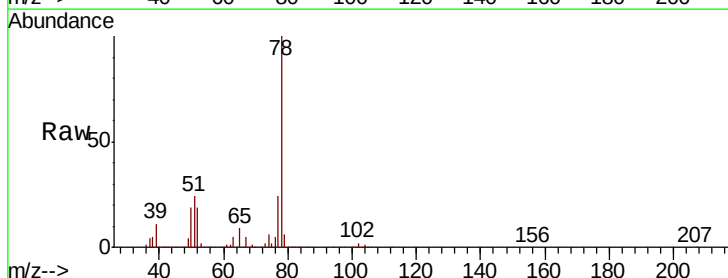
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Tgt Ion: 78 Resp: 1041498



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

500000

400000

300000

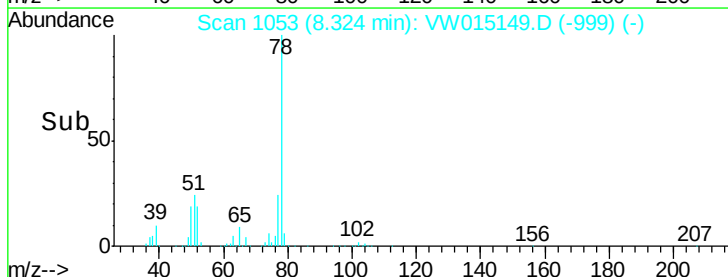
200000

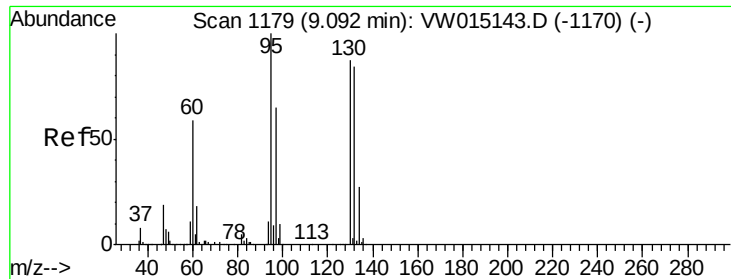
100000

0

Time-->

8.20 8.30 8.40

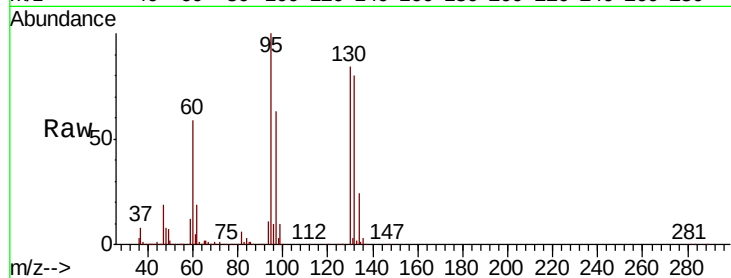




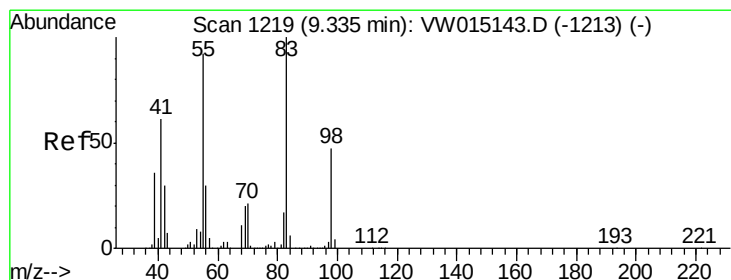
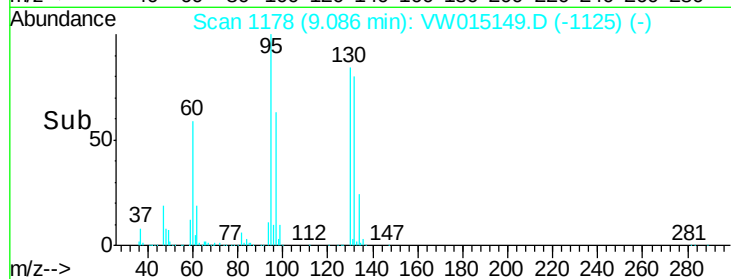
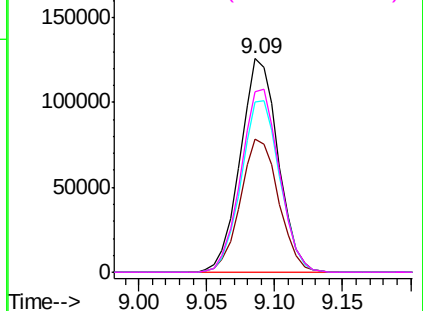
#35
 Trichloroethene
 Concen: 25.068 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 245469
 Ion Ratio Lower Upper
 95 100
 97 63.3 43.7 81.1
 132 82.4 58.7 109.1
 130 87.0 61.3 113.9

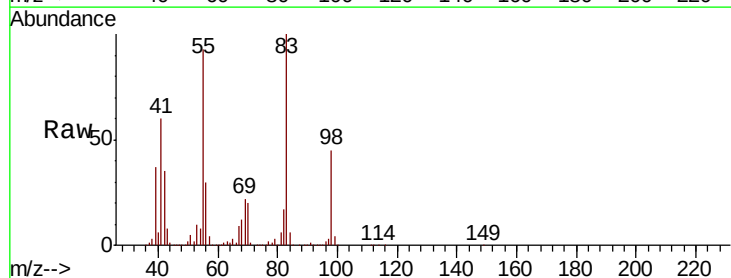


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

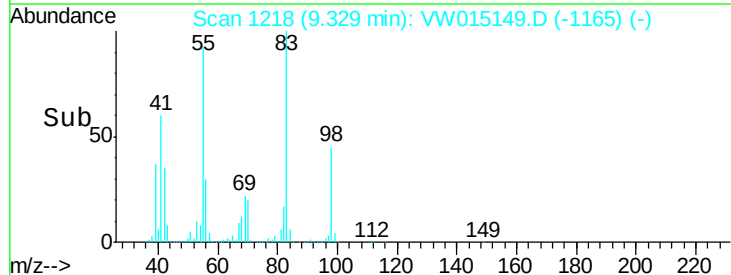
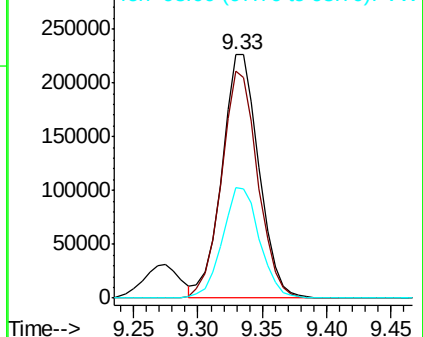


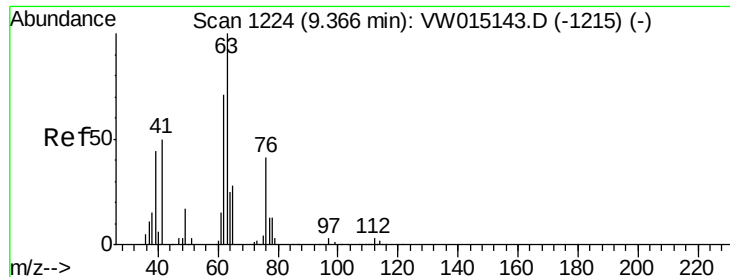
#36
 Methylcyclohexane
 Concen: 26.814 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Tgt Ion: 83 Resp: 451094
 Ion Ratio Lower Upper
 83 100
 55 92.5 73.4 110.2
 98 46.0 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: 25.688 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

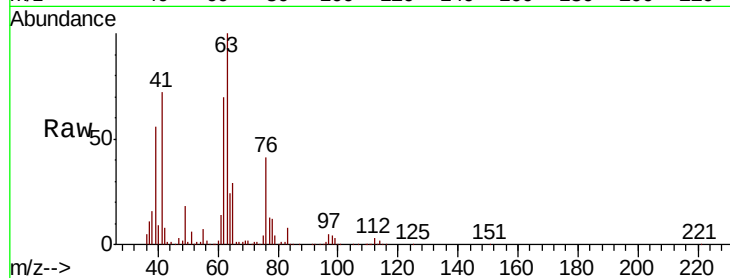
ClientSampleId :

Tot Ion: 63 Resp: 284964

Ion Ratio Lower Upper

63 100

112 3.5 2.9 4.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

150000

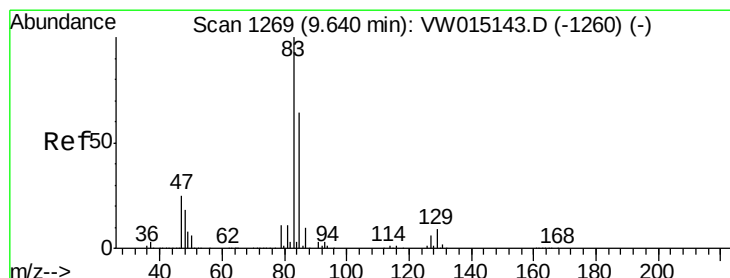
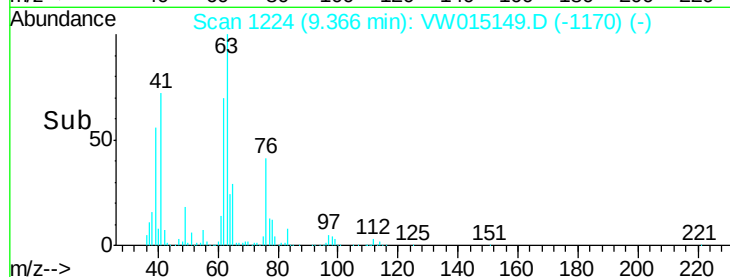
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 25.639 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

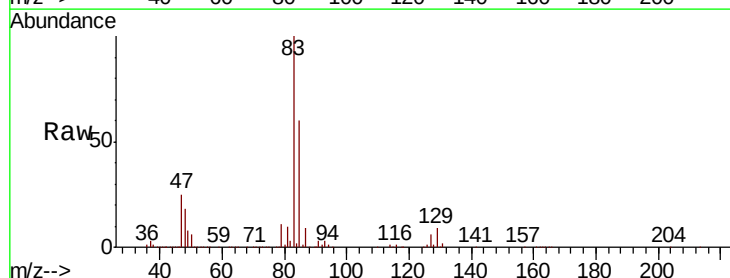
Tgt Ion: 83 Resp: 323602

Ion Ratio Lower Upper

83 100

85 60.3 44.1 81.9

127 6.4 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

200000

150000

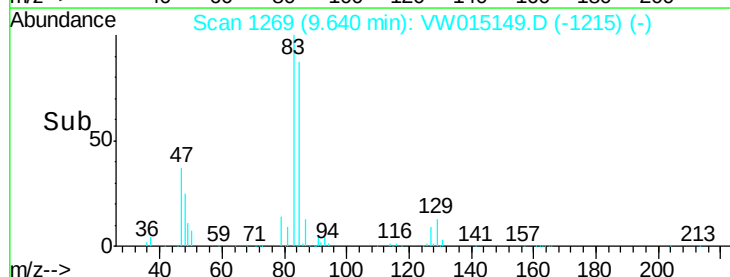
100000

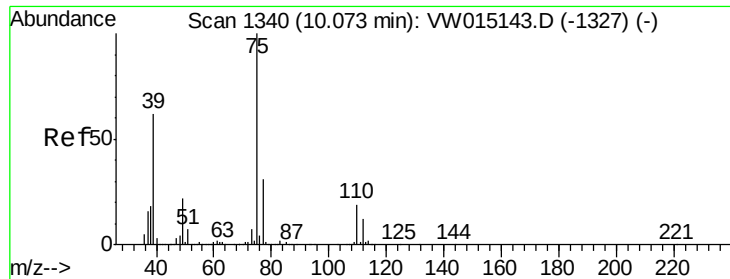
50000

0

9.55 9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloropropene

Concen: 26.463 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

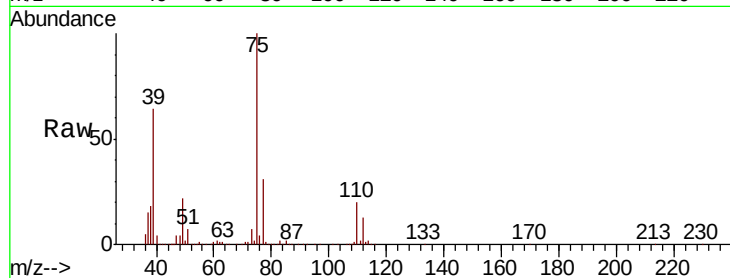
ClientSampled :

Tot Ion: 75 Resp: 385711

Ion Ratio Lower Upper

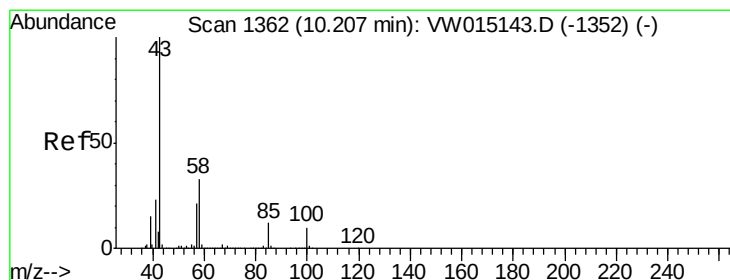
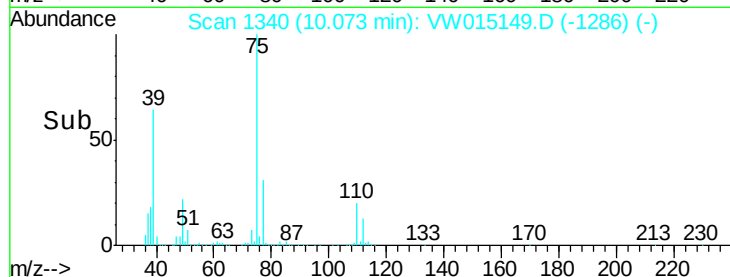
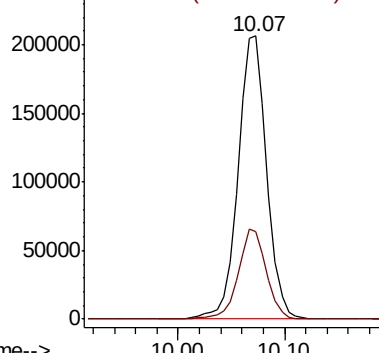
75 100

77 31.1 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 56.931 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

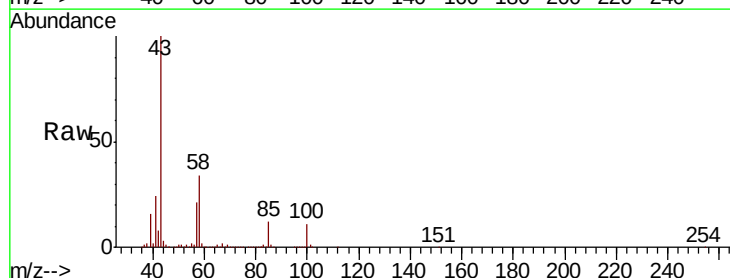
Tgt Ion: 43 Resp: 357313

Ion Ratio Lower Upper

43 100

58 34.3 27.9 41.9

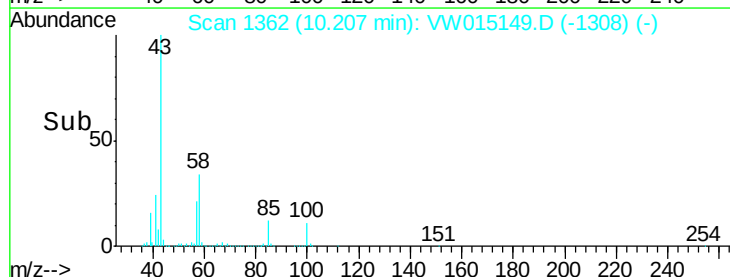
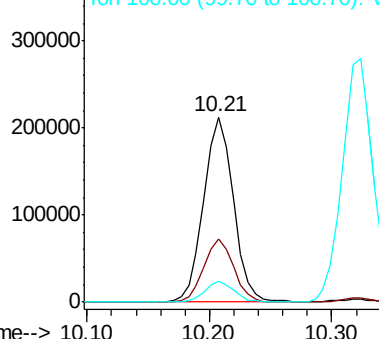
100 10.8 8.9 13.3

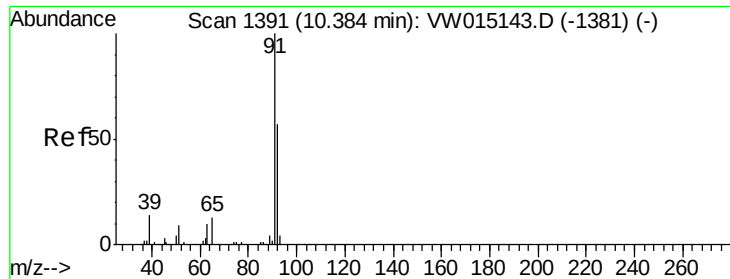


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

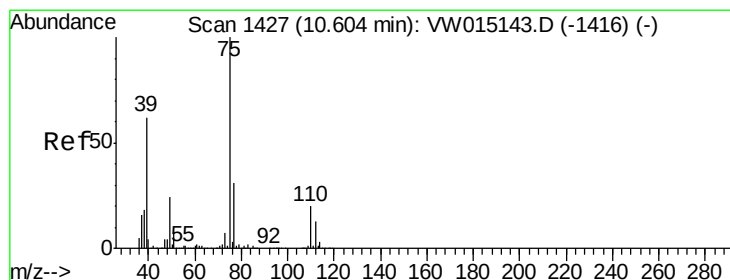
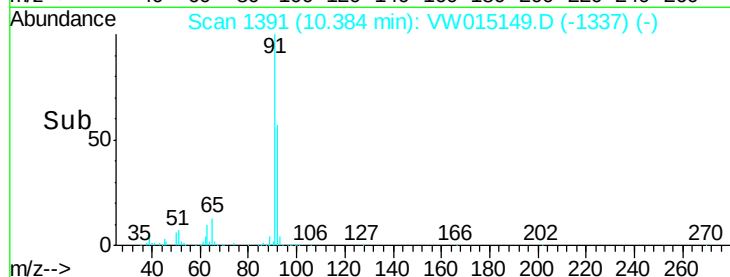
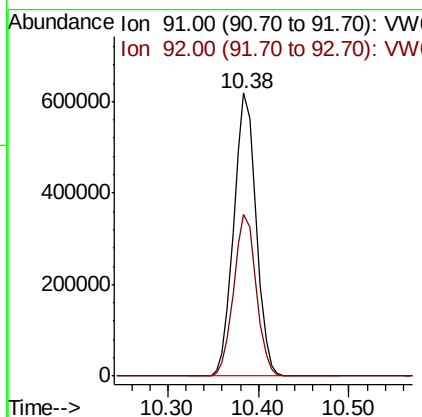
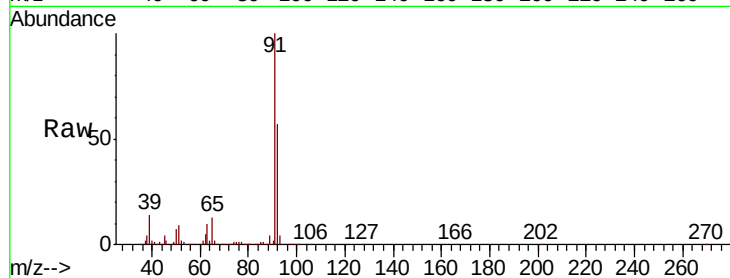




#44
Toluene
Concen: 26.586 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

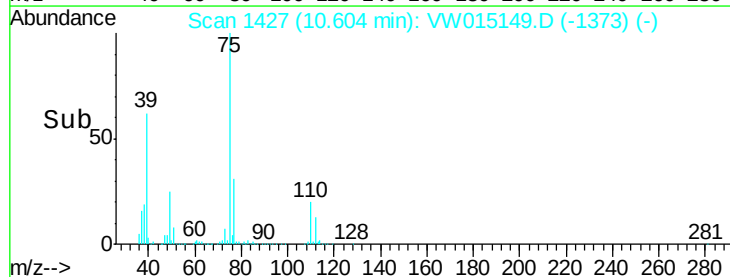
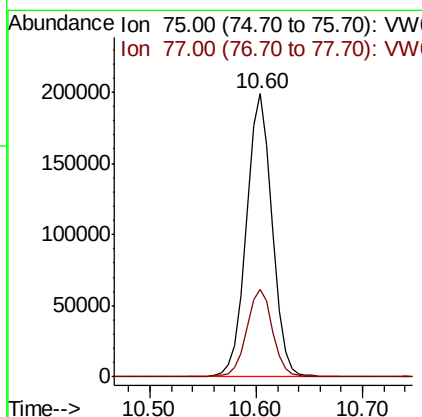
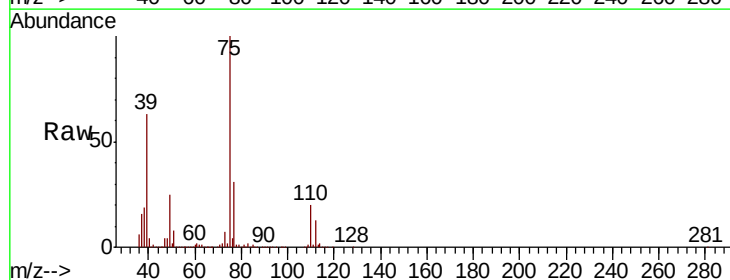
Instrument :
MSVOA_W
ClientSampled :

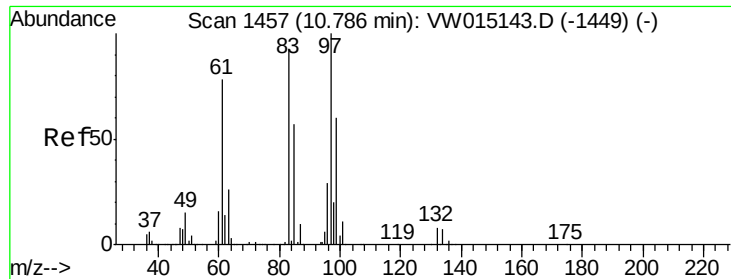
Tot Ion: 91 Resp: 1057472
Ion Ratio Lower Upper
91 100
92 57.3 40.2 74.6



#45
trans-1,3-Dichloropropene
Concen: 26.575 ug/L
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Tgt Ion: 75 Resp: 338698
Ion Ratio Lower Upper
75 100
77 31.1 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 25.080 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 163548

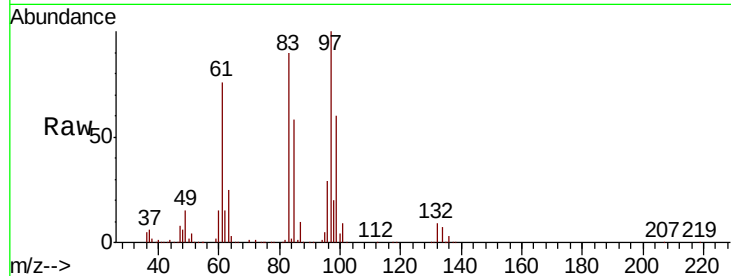
Ion Ratio Lower Upper

97 100

83 89.7 64.8 120.4

85 58.2 40.9 75.9

99 59.7 43.8 81.4



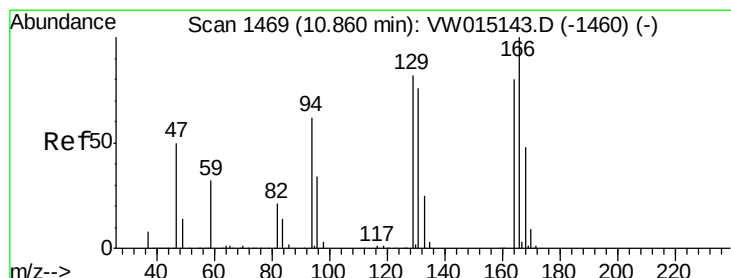
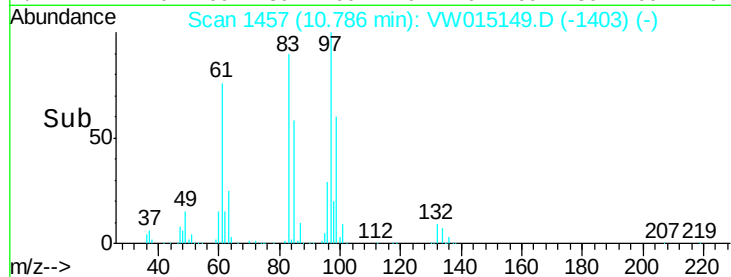
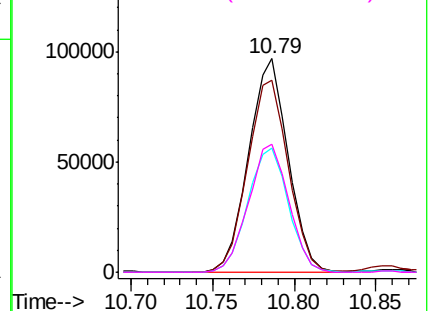
Abundance

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: 24.449 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Tgt Ion: 164 Resp: 154507

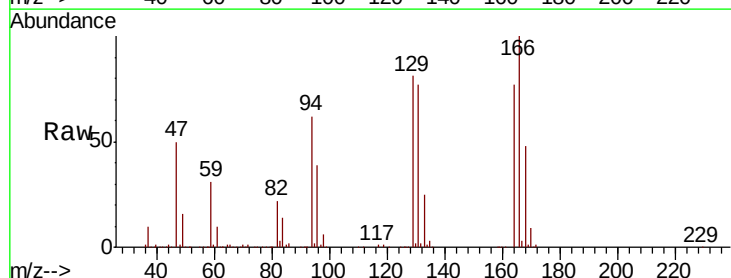
Ion Ratio Lower Upper

164 100

129 104.4 73.2 136.0

131 99.0 69.4 128.8

166 129.2 89.5 166.3



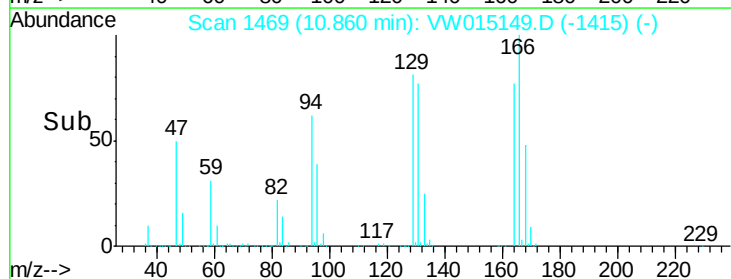
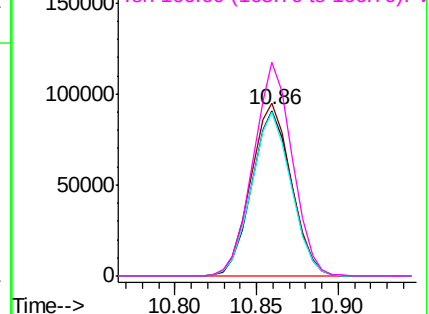
Abundance

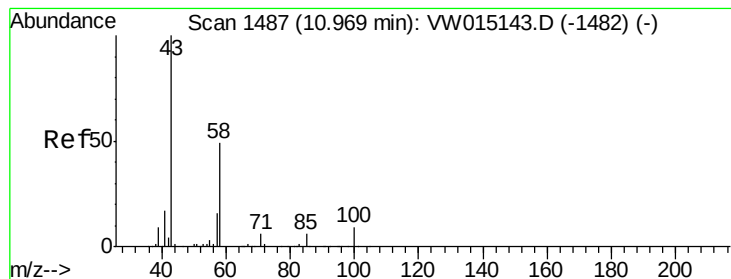
Ion 164.00 (163.70 to 164.70): V

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: 63.952 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 267689

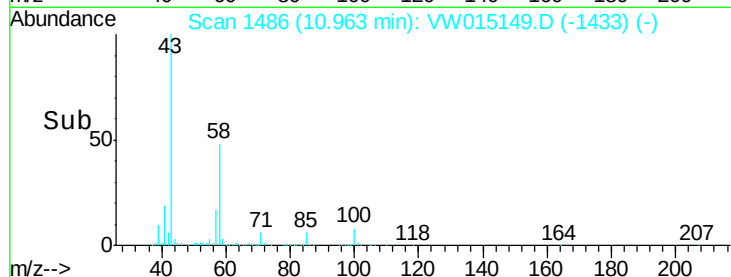
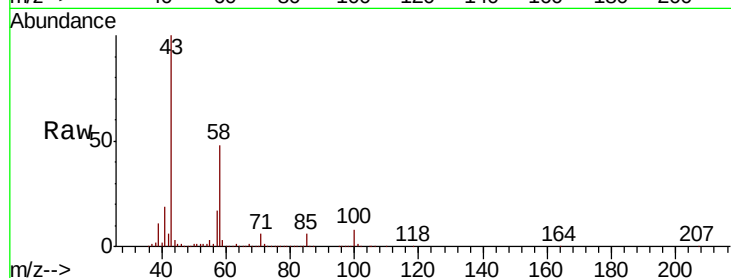
Ion Ratio Lower Upper

43 100

58 47.0 38.5 57.7

57 16.4 12.9 19.3

100 8.2 6.9 10.3

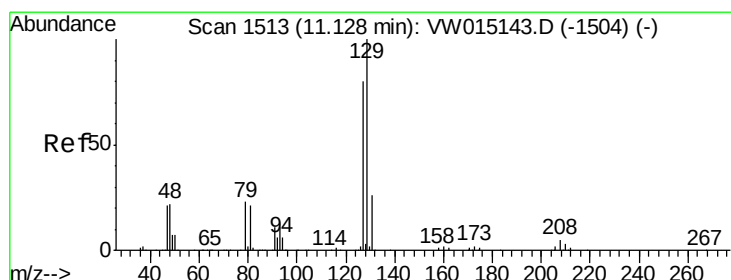
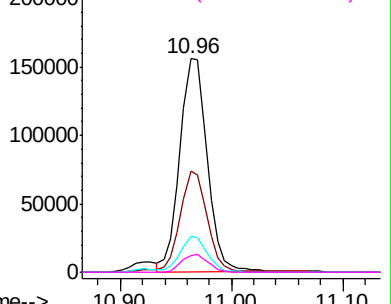


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.277 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015149.D

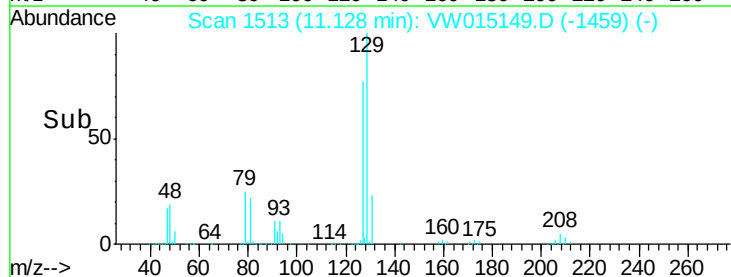
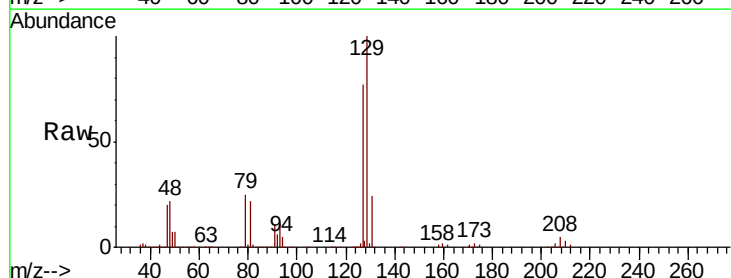
Acq: 26 Mar 2020 16:44

Tgt Ion: 129 Resp: 169460

Ion Ratio Lower Upper

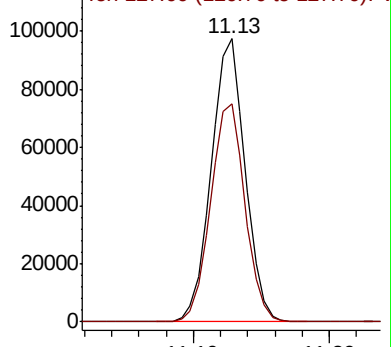
129 100

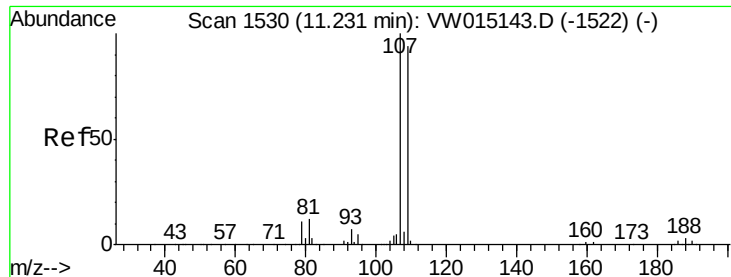
127 77.1 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.841 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

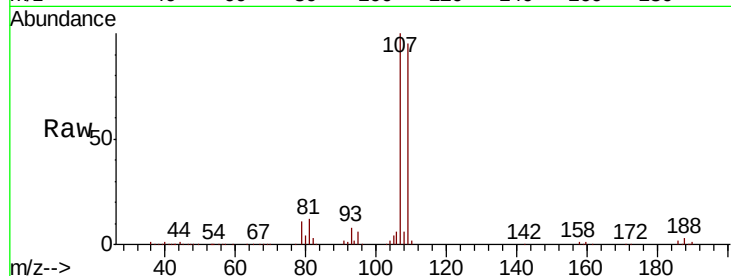
Tot Ion:107 Resp: 143457

Ion Ratio Lower Upper

107 100

109 94.7 65.9 122.5

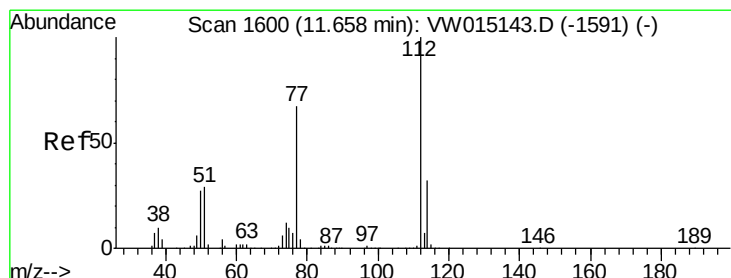
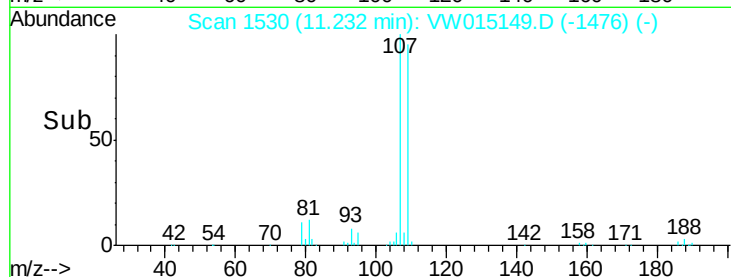
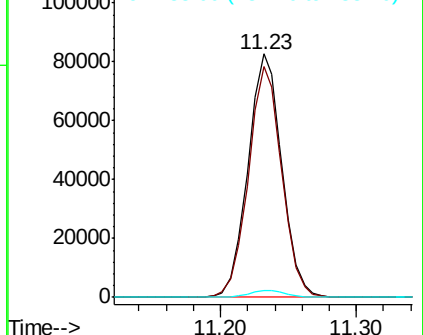
188 3.0 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.061 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

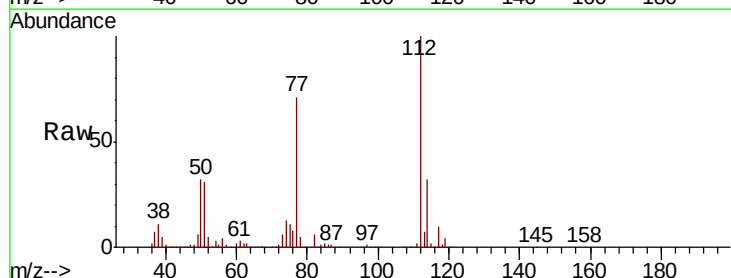
Tgt Ion:112 Resp: 582663

Ion Ratio Lower Upper

112 100

77 70.8 53.5 80.3

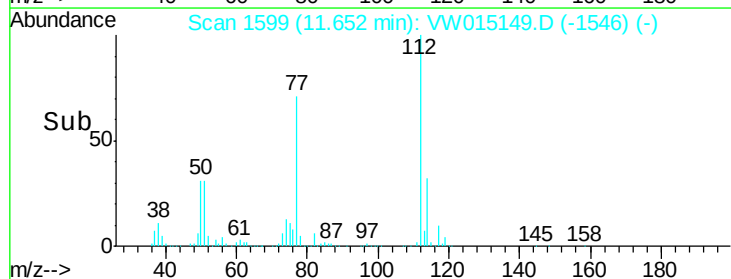
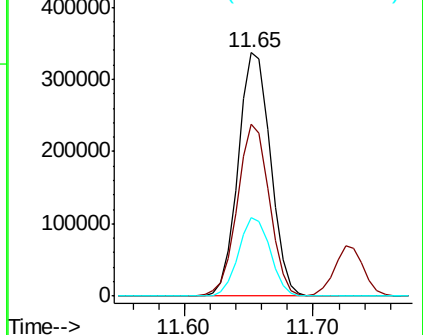
114 32.1 22.0 40.8

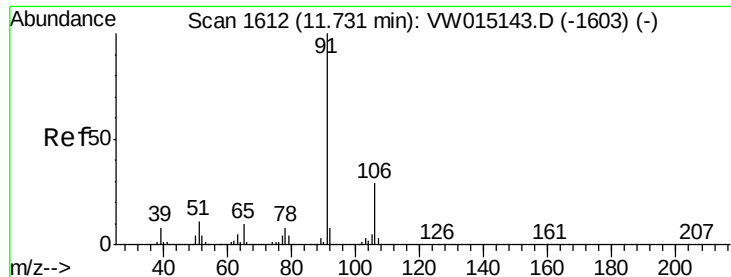


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

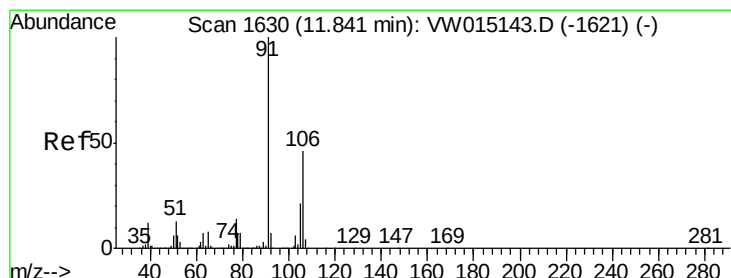
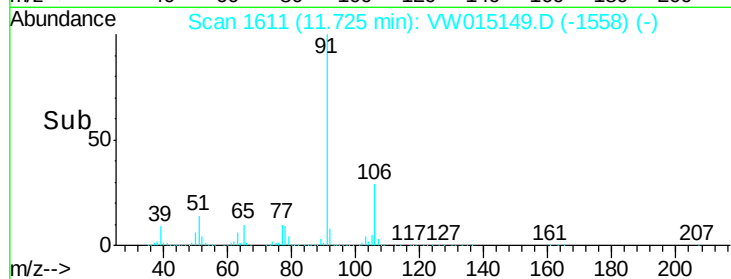
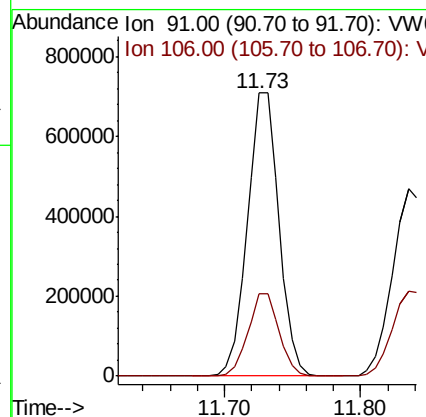
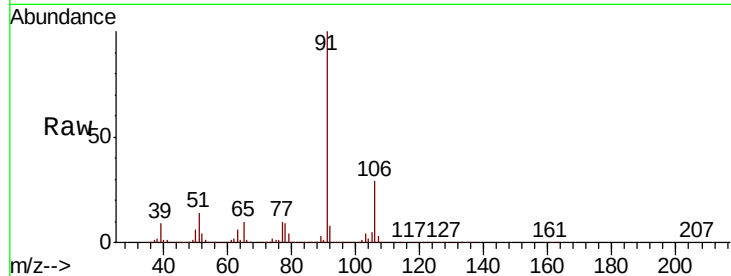




#53
Ethylbenzene
Concen: 26.823 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

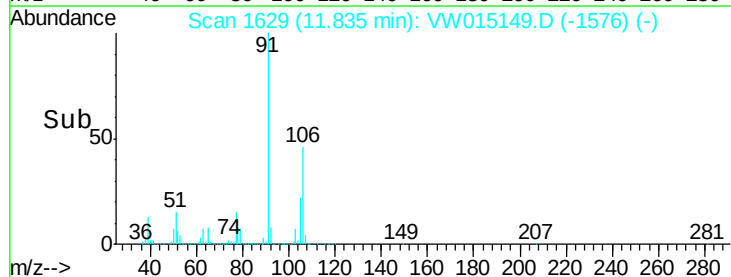
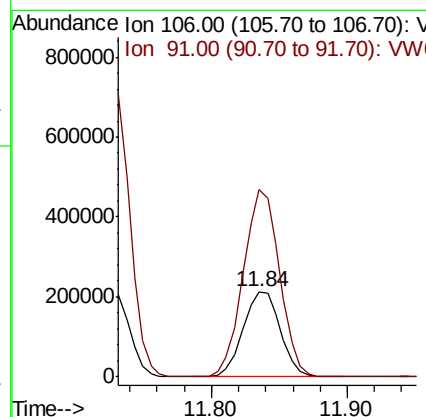
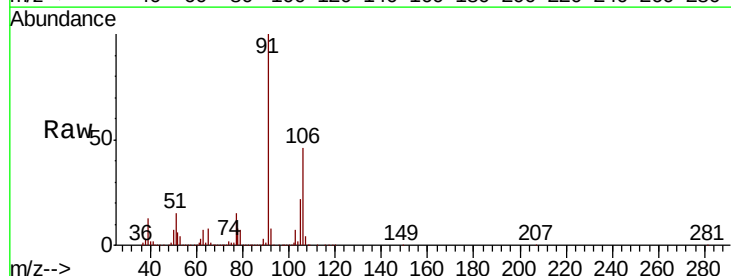
Instrument :
MSVOA_W
ClientSampleId :

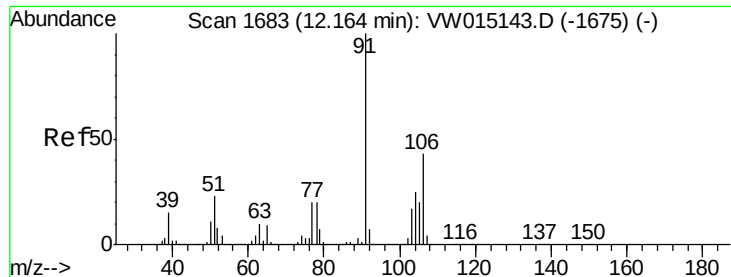
Tot Ion: 91 Resp: 1152367
Ion Ratio Lower Upper
91 100
106 29.2 20.6 38.2



#54
m,p-Xylene
Concen: 27.109 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015149.D
Acq: 26 Mar 2020 16:44

Tgt Ion: 106 Resp: 408310
Ion Ratio Lower Upper
106 100
91 219.6 147.3 273.6





#55

o-xylene

Concen: 26.647 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

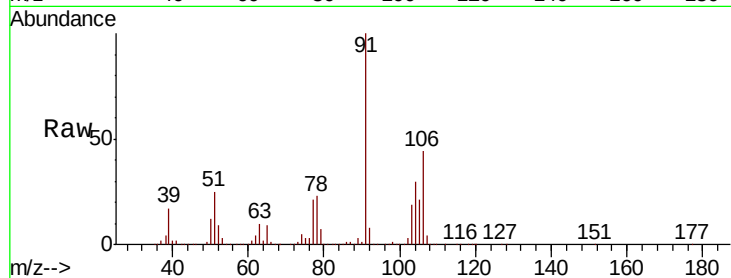
ClientSampled :

Tot Ion:106 Resp: 376258

Ion Ratio Lower Upper

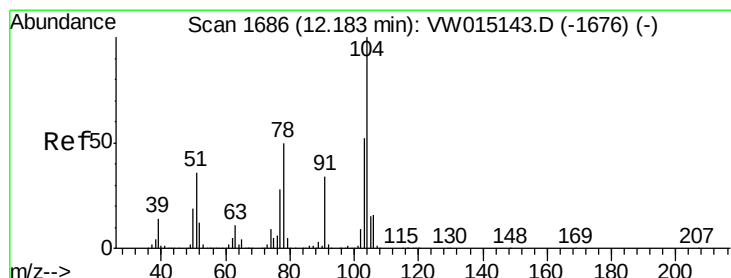
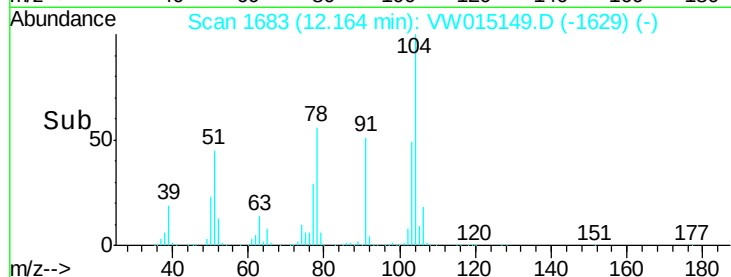
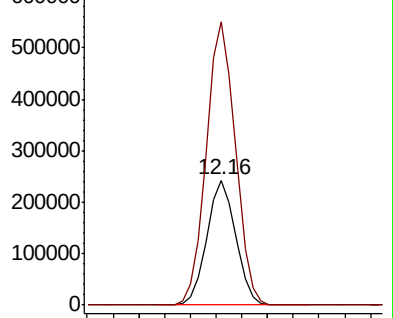
106 100

91 226.8 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.293 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015149.D

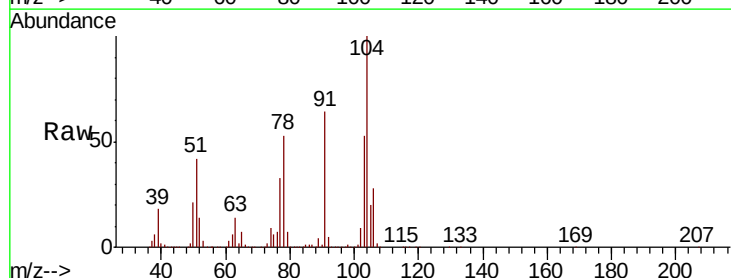
Acq: 26 Mar 2020 16:44

Tgt Ion:104 Resp: 655902

Ion Ratio Lower Upper

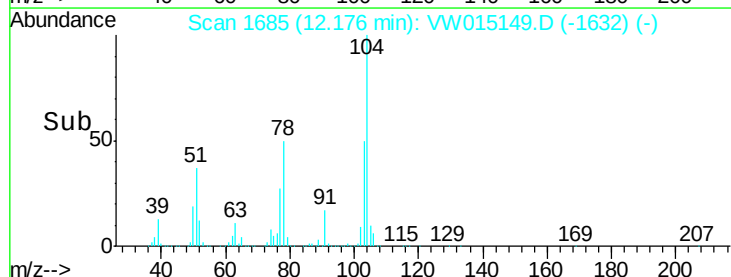
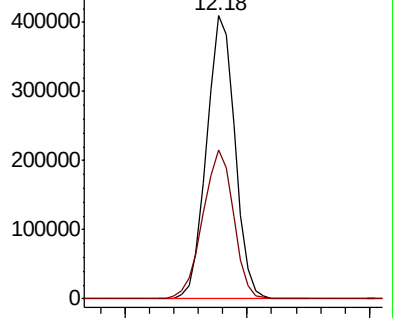
104 100

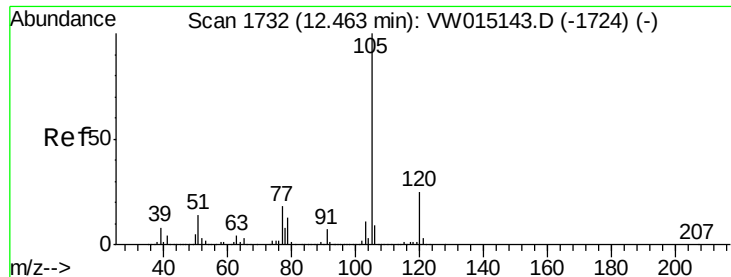
78 52.6 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.220 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

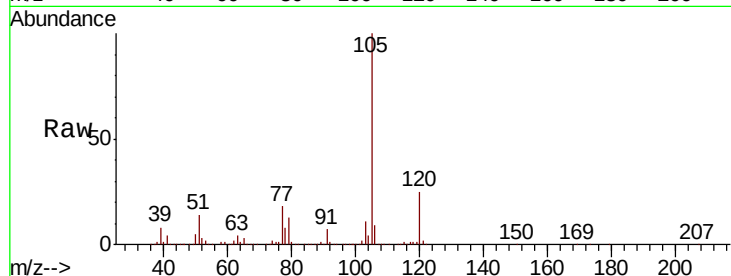
Tot Ion:105 Resp: 1058972

Ion Ratio Lower Upper

105 100

120 24.7 20.0 30.0

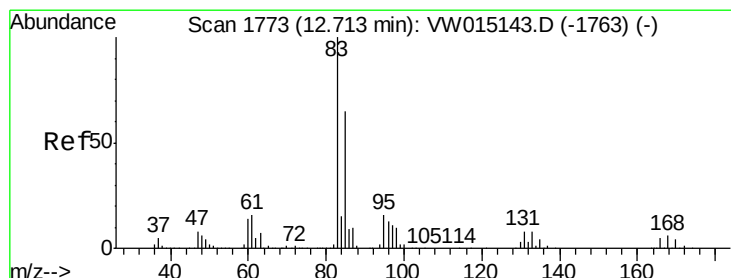
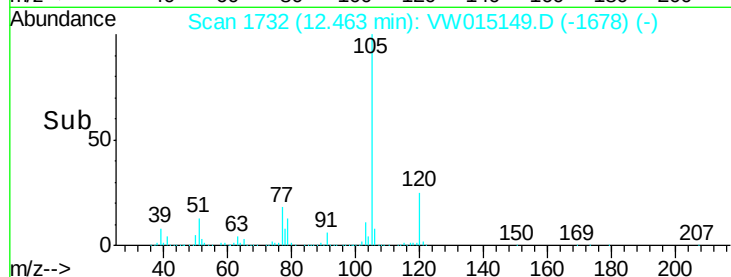
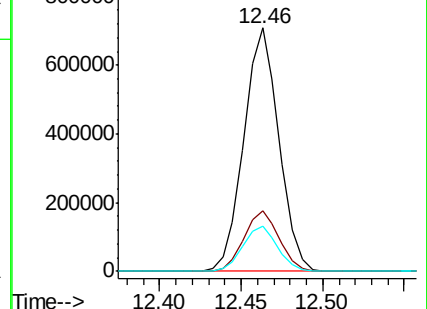
77 18.3 14.5 21.7



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: 25.792 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

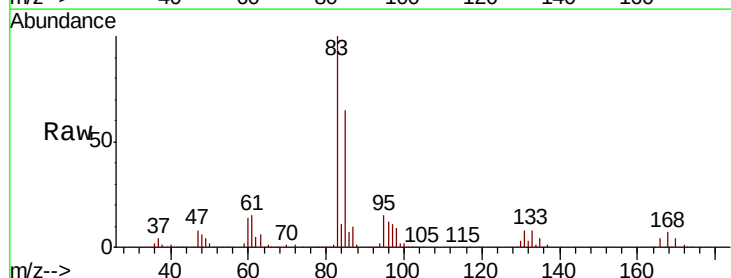
Tgt Ion: 83 Resp: 210503

Ion Ratio Lower Upper

83 100

85 65.4 44.1 81.9

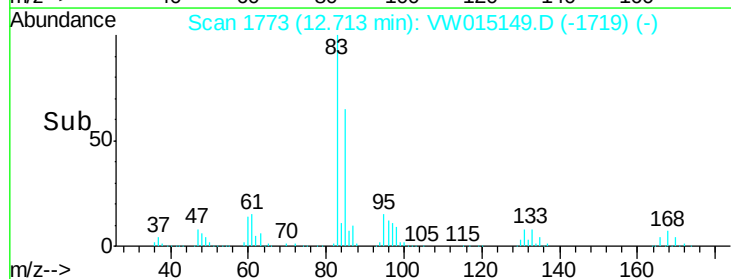
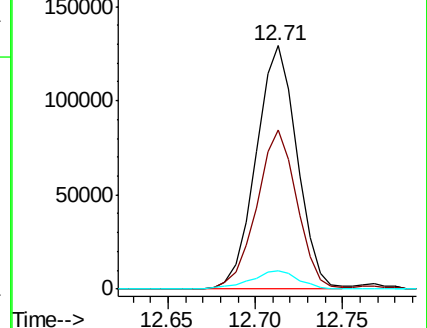
131 7.7 5.9 8.9

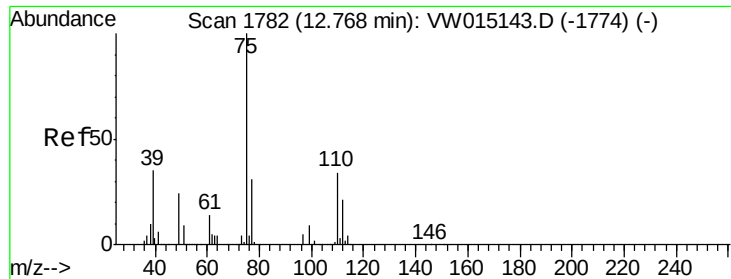


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.437 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

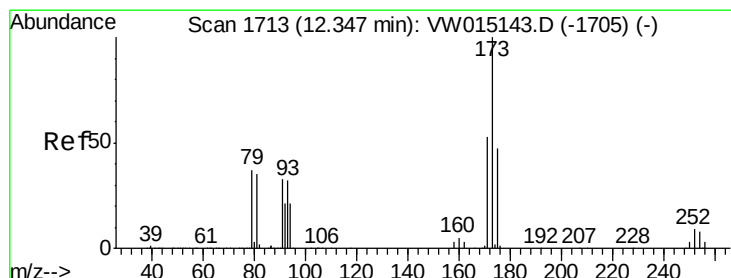
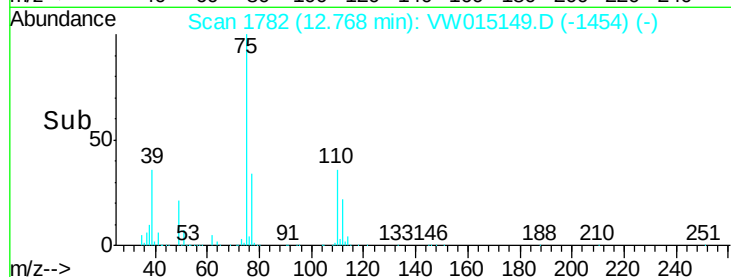
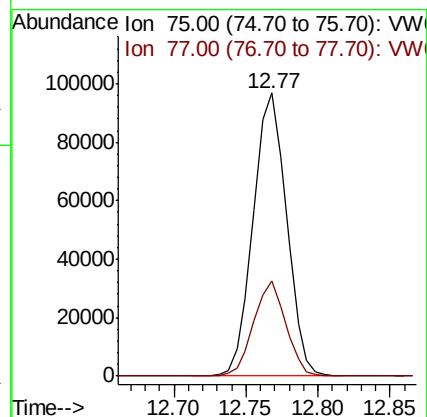
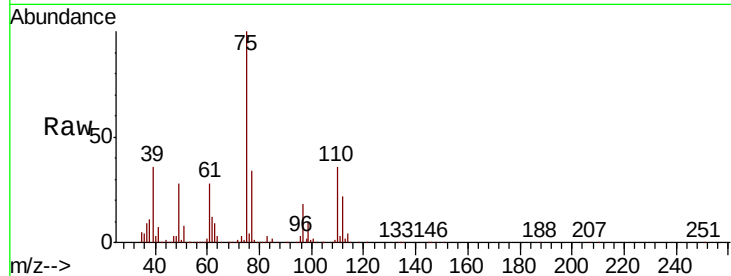
ClientSampleId :

Tot Ion: 75 Resp: 155287

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#62

Bromoform

Concen: 24.200 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

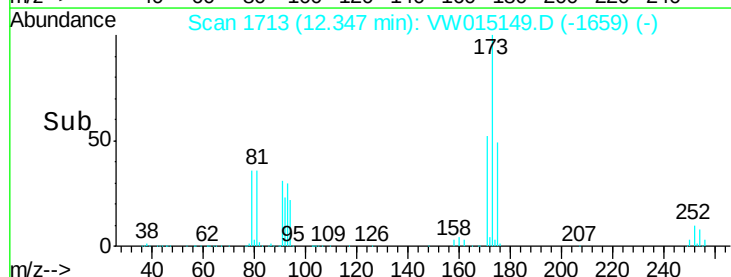
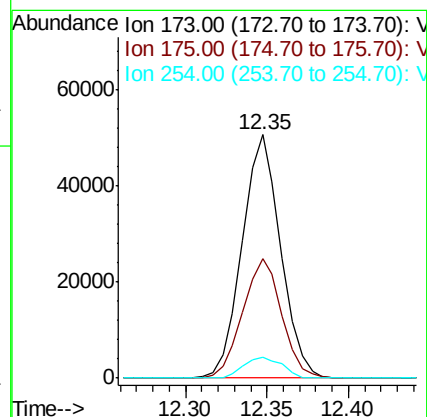
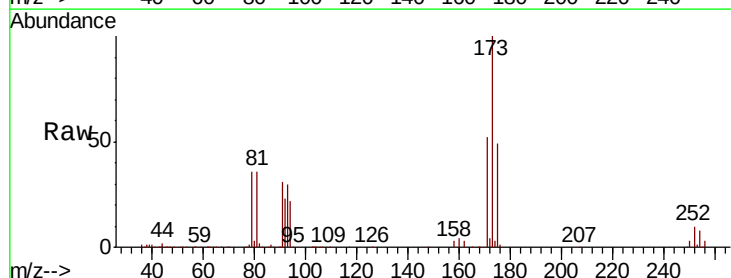
Tgt Ion: 173 Resp: 83324

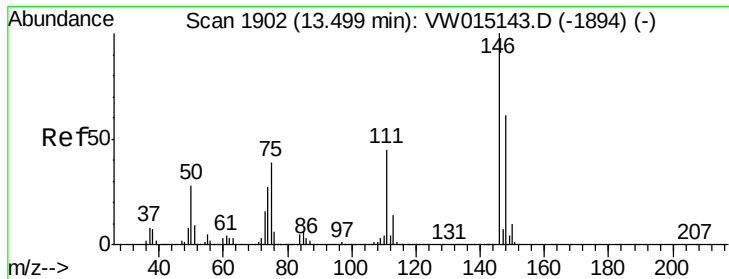
Ion Ratio Lower Upper

173 100

175 49.5 38.0 57.0

254 8.3 6.5 9.7

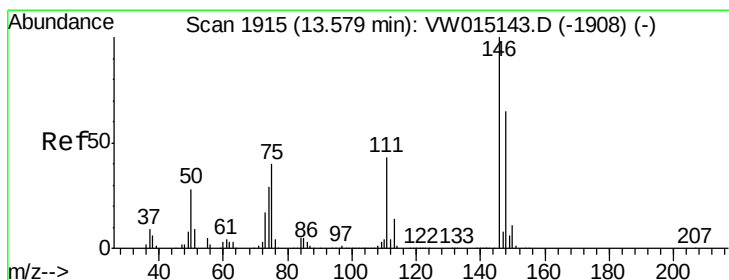
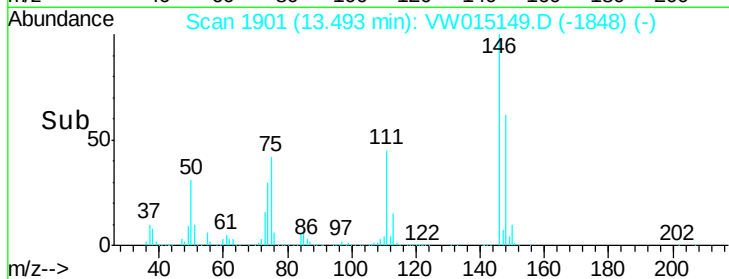
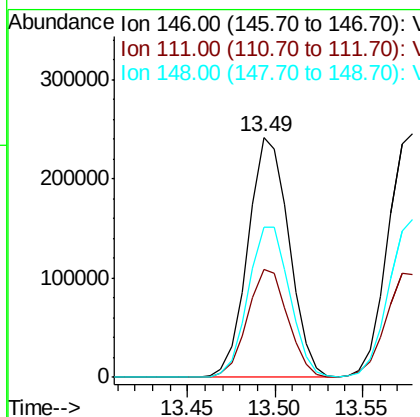
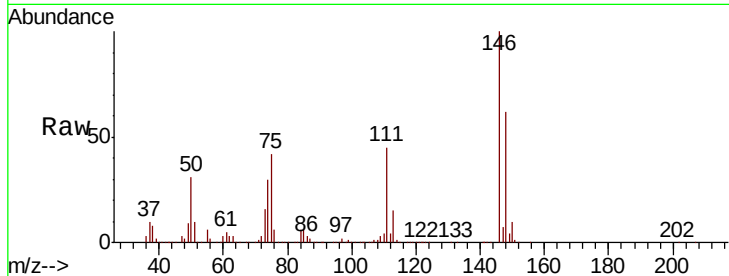




#63
 1,3-Dichlorobenzene
 Concen: 25.454 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

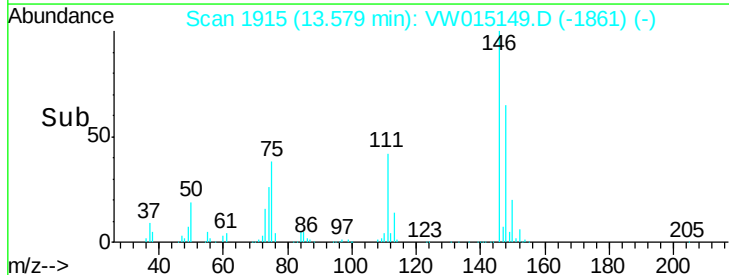
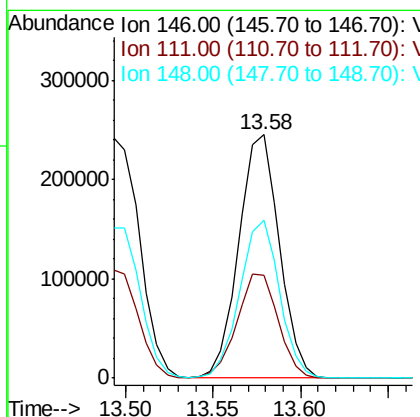
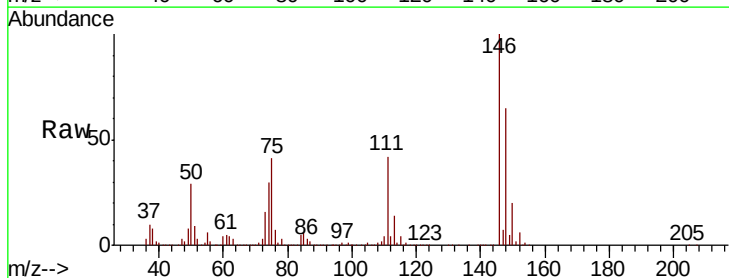
Instrument :
 MSVOA_W
 ClientSampleId :

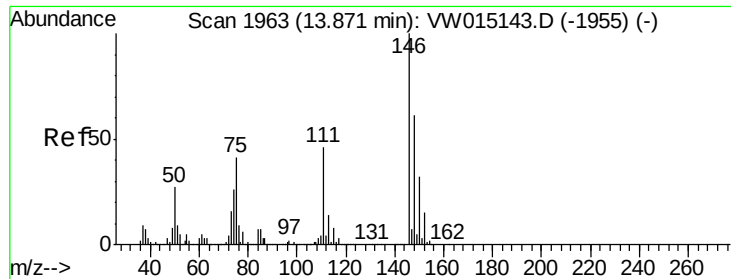
Tot Ion:146 Resp: 395102
 Ion Ratio Lower Upper
 146 100
 111 44.9 31.9 59.2
 148 62.3 45.2 84.0



#64
 1,4-Dichlorobenzene
 Concen: 24.958 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Tgt Ion:146 Resp: 396364
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.8 53.4
 148 64.6 44.0 81.6

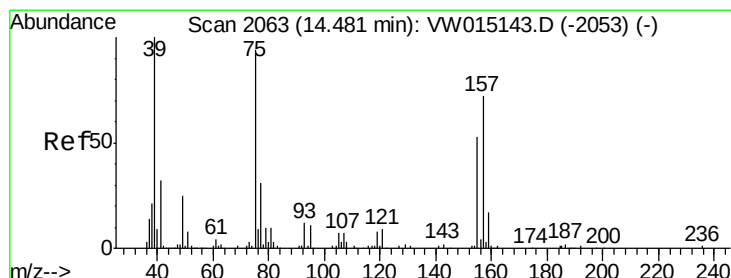
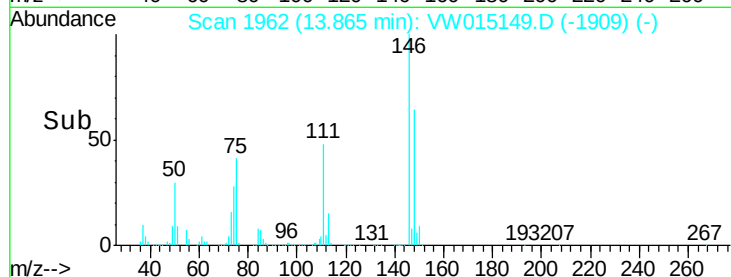
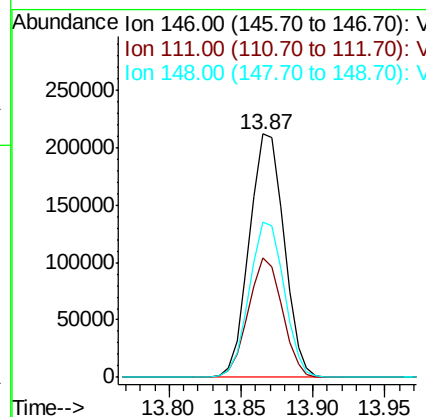
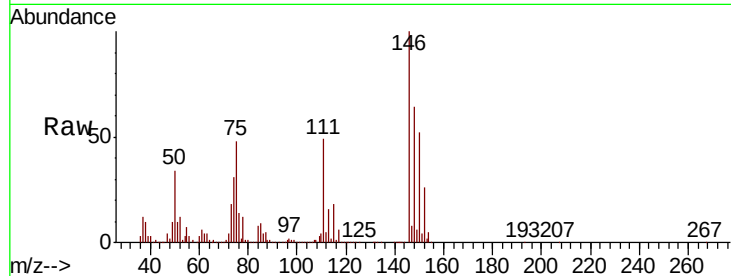




#65
 1,2-Dichlorobenzene
 Concen: 25.073 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

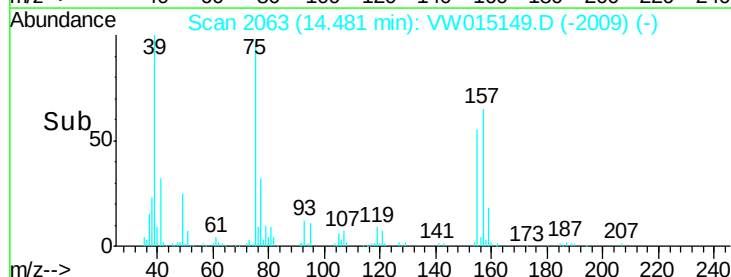
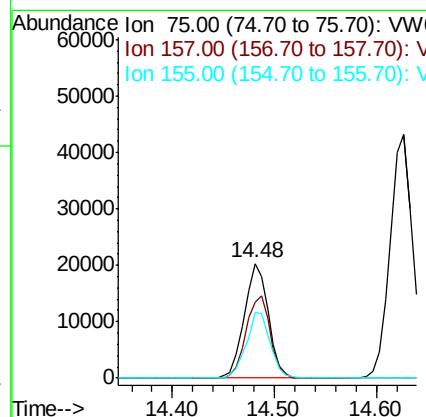
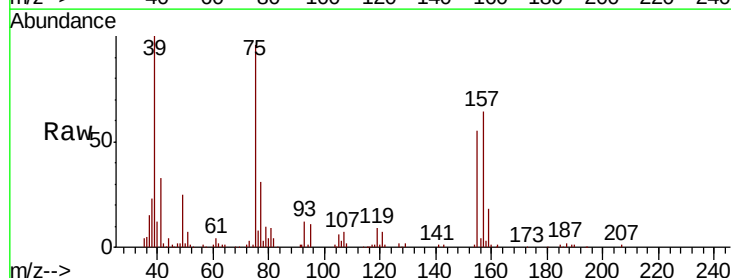
Instrument :
 MSVOA_W
 ClientSampled :

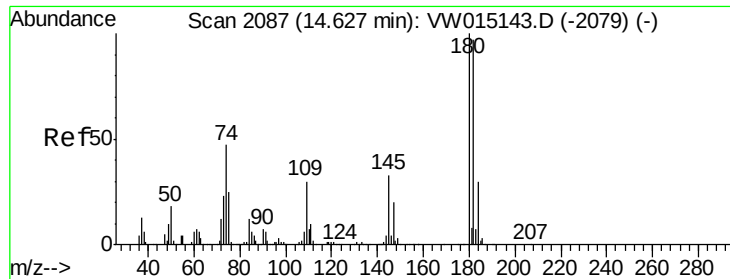
Tot Ion:146 Resp: 354179
 Ion Ratio Lower Upper
 146 100
 111 49.0 35.8 53.8
 148 63.6 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.523 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Tgt Ion: 75 Resp: 32997
 Ion Ratio Lower Upper
 75 100
 157 66.6 57.3 85.9
 155 56.7 43.2 64.8

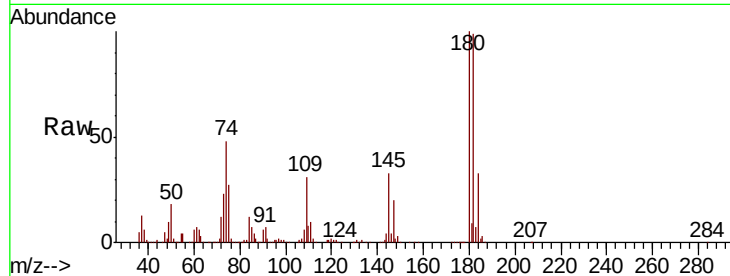




#67
 1,3,5-Trichlorobenzene
 Concen: 25.675 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	180	Resp	256564
Ion Ratio	100	Lower	Upper
182	95.1	77.0	115.6
184	30.3	24.0	36.0
145	31.7	25.4	38.2



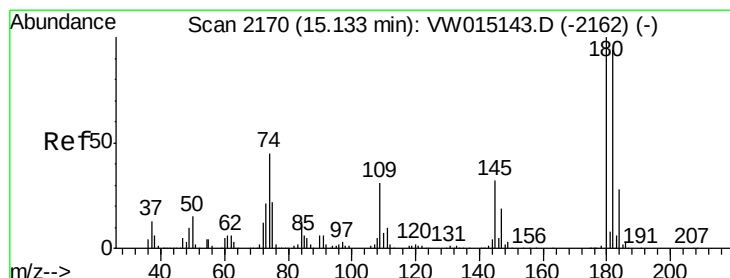
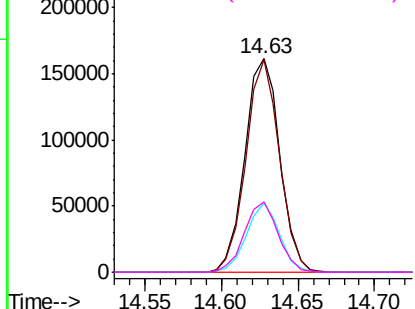
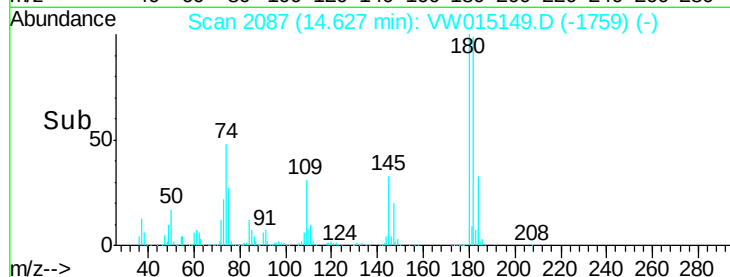
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

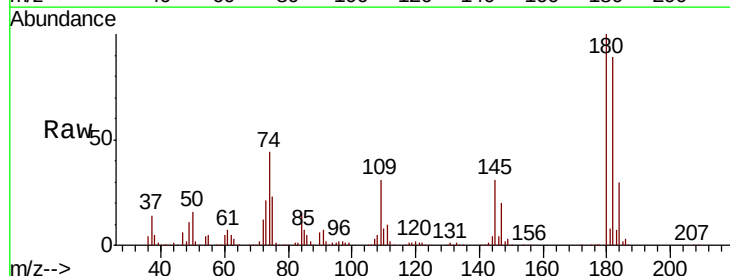
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.946 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015149.D
 Acq: 26 Mar 2020 16:44

Tgt Ion	180	Resp	195416
Ion Ratio	100	Lower	Upper
182	92.3	75.8	113.6
145	32.2	25.8	38.6

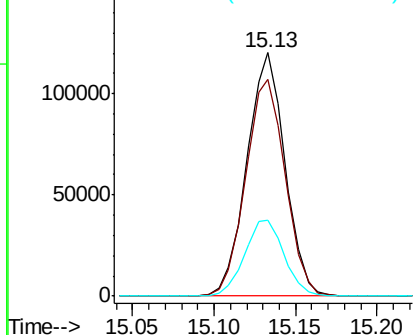
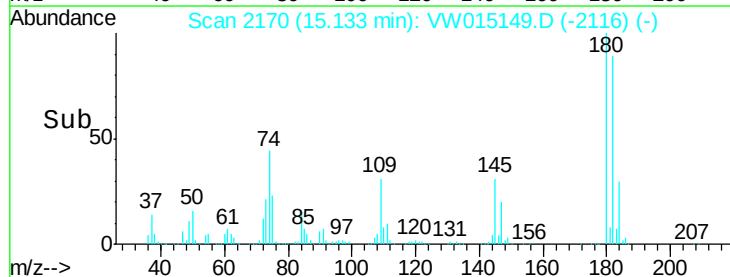


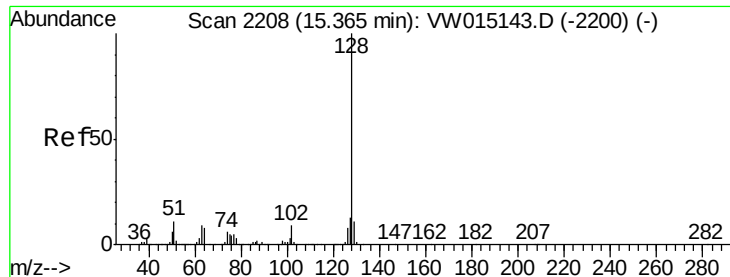
Abundance

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: 26.476 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

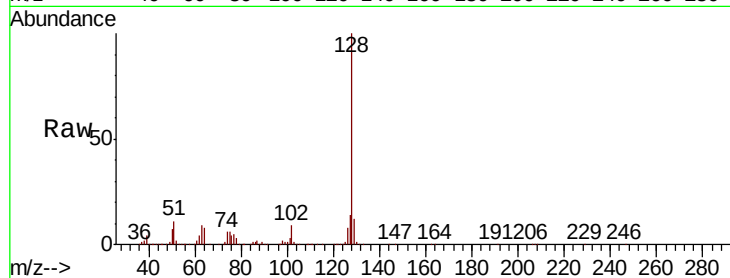
Tot Ion:128 Resp: 387731

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

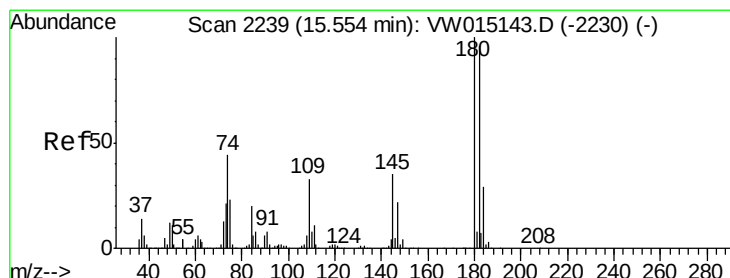
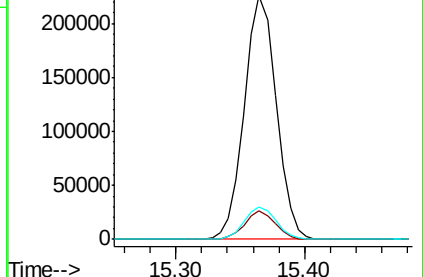
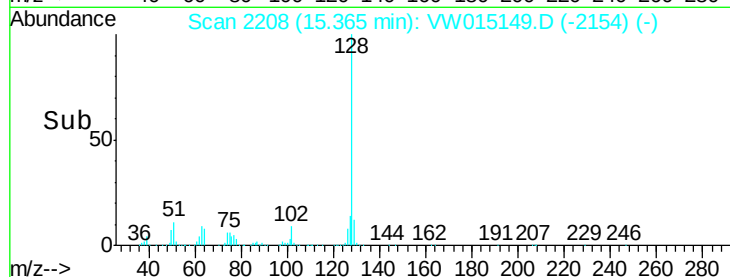
127 13.4 11.0 16.4



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: 25.436 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015149.D

Acq: 26 Mar 2020 16:44

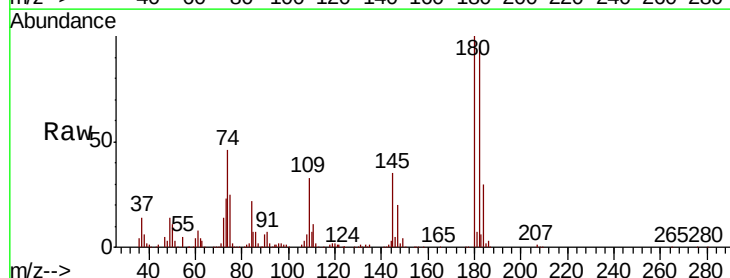
Tgt Ion:180 Resp: 178027

Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

145 35.1 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

