

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030220\
 Data File : VW015085.D
 Acq On : 02 Mar 2020 11:26
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 03 02:13:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 02 12:04:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	711554	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	642423	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	276761	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	341171	19.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.68%
7) Chloroethane-d5	2.89	69	273430	21.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.24%
10) 1,1-Dichloroethene-d2	4.02	63	654383	23.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.52%
20) 2-Butanone-d5	7.07	46	164964	55.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.90%
24) Chloroform-d	7.65	84	580663	24.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.36%
26) 1,2-Dichloroethane-d4	8.31	65	328224	25.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.36%
29) Benzene-d6	8.27	84	1147129	25.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.92%
33) 1,2-Dichloropropane-d6	9.27	67	381006	25.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.12%
37) Toluene-d8	10.32	98	994874	27.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.08%
38) trans-1,3-Dichloropropene-	10.57	79	142681	26.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.48%
39) 2-Hexanone-d5	10.92	63	116938	59.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	259077	27.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.52%
61) 1,2-Dichlorobenzene-d4	13.85	152	255980	25.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	149015	24.543	ug/L	96
3) Chloromethane	2.21	50	277470	19.936	ug/L	99
5) Vinyl chloride	2.36	62	386456	21.460	ug/L	98
6) Bromomethane	2.78	94	185291	22.920	ug/L	97
8) Chloroethane	2.92	64	220035	22.456	ug/L	98
9) Trichlorofluoromethane	3.26	101	220097	27.120	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	282431	25.268	ug/L	99
12) 1,1-Dichloroethene	4.04	96	265874	24.984	ug/L	88
13) Acetone	4.12	43	187859	53.389	ug/L	96
14) Carbon disulfide	4.38	76	921512	23.140	ug/L	100
15) Methyl Acetate	4.67	43	152357	25.715	ug/L	98
16) Methylene chloride	4.92	84	302344	22.956	ug/L	90
17) Methyl tert-butyl Ether	5.42	73	344080	26.712	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	279855	25.454	ug/L	96
19) 1,1-Dichloroethane	6.21	63	615211	25.088	ug/L	97
21) 2-Butanone	7.17	43	229928	55.569	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	286199	25.579	ug/L	95

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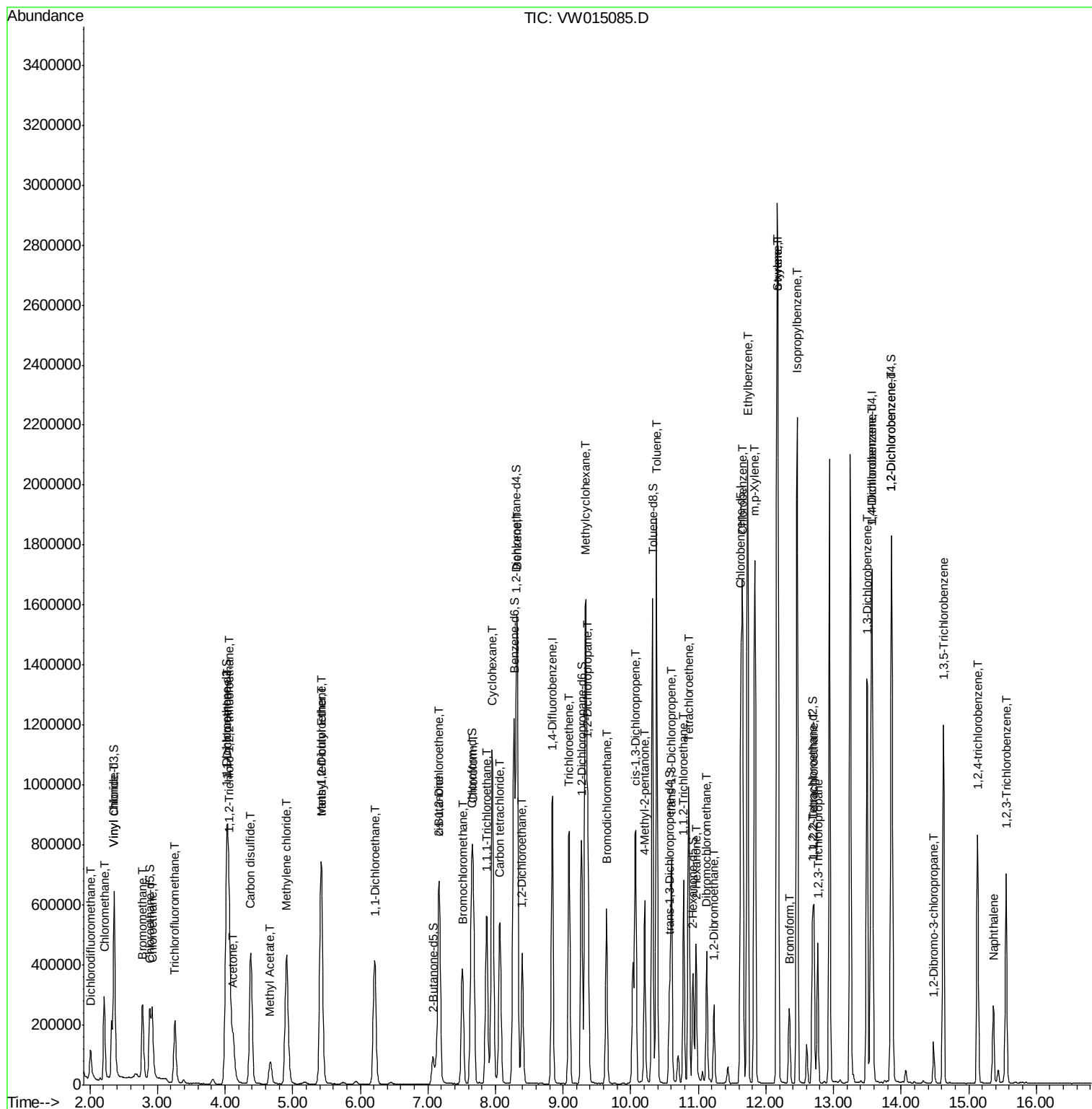
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	110634	25.418	ug/L	89
25) Chloroform	7.67	83	548073	24.628	ug/L	99
27) 1,2-Dichloroethane	8.40	62	389303	25.568	ug/L	98
30) Cyclohexane	7.95	56	597632	27.824	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	429931	25.949	ug/L	99
32) Carbon tetrachloride	8.07	117	381170	25.674	ug/L	99
34) Benzene	8.32	78	1277412	26.731	ug/L	100
35) Trichloroethene	9.09	95	298106	25.788	ug/L	99
36) Methylcyclohexane	9.34	83	567884	28.608	ug/L	98
40) 1,2-Dichloropropane	9.37	63	345839	26.057	ug/L	100
41) Bromodichloromethane	9.64	83	383220	25.740	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	473793	27.395	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	417282	56.211	ug/L	99
44) Toluene	10.38	91	1277075	27.516	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	377441	27.001	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	195757	26.210	ug/L	99
47) Tetrachloroethene	10.86	164	191244	25.669	ug/L	98
49) 2-Hexanone	10.97	43	320387	59.530	ug/L	99
50) Dibromochloromethane	11.13	129	206151	25.936	ug/L	97
51) 1,2-Dibromoethane	11.23	107	176474	27.111	ug/L	97
52) Chlorobenzene	11.65	112	709027	25.973	ug/L	99
53) Ethylbenzene	11.73	91	1405281	27.717	ug/L	98
54) m,p-Xylene	11.83	106	494492	27.876	ug/L	98
55) o-xylene	12.16	106	458053	27.713	ug/L	98
56) Styrene	12.18	104	797984	28.188	ug/L	100
57) Isopropylbenzene	12.46	105	1287156	28.595	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	250382	26.569	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	187661	25.909	ug/L	99
62) Bromoform	12.35	173	101064	25.980	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	473721	26.237	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	476238	25.619	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	427887	26.168	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	35843	24.829	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	309821	25.589	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	221689	25.053	ug/L	99
69) Naphthalene	15.36	128	196874	25.062	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	201090	25.319	ug/L	99

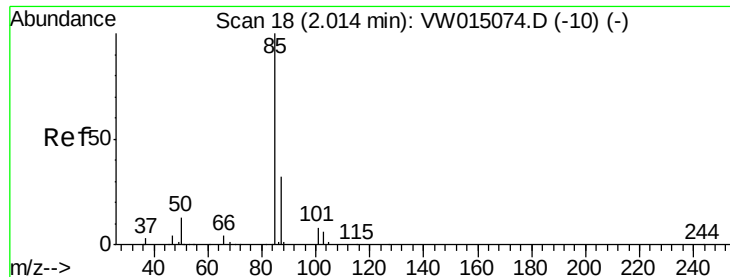
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.543 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

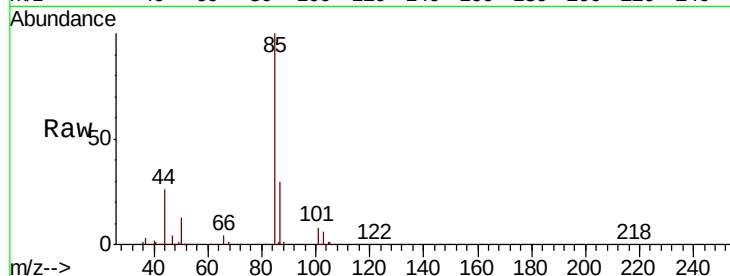
ClientSampled :

Tot Ion: 85 Resp: 149015

Ion Ratio Lower Upper

85 100

87 29.3 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

60000

50000

40000

30000

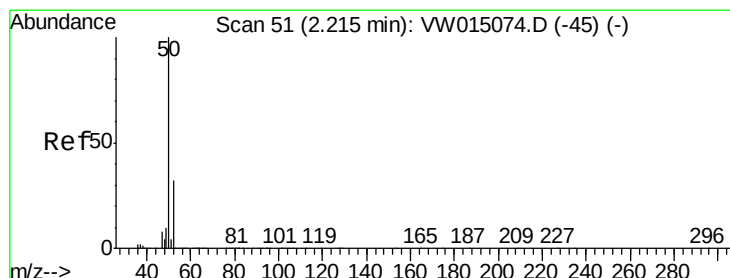
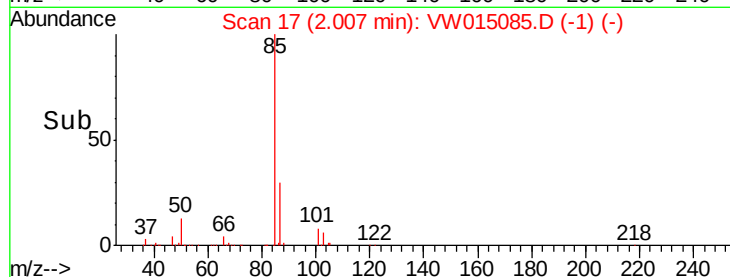
20000

10000

0

1.90 2.00 2.10 2.20

Time-->



#3

Chloromethane

Concen: 19.936 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015085.D

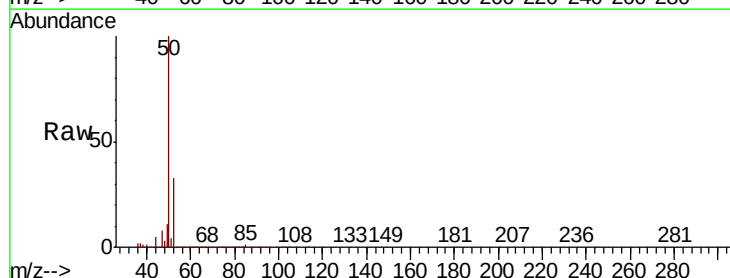
Acq: 02 Mar 2020 11:26

Tgt Ion: 50 Resp: 277470

Ion Ratio Lower Upper

50 100

52 32.6 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

200000

150000

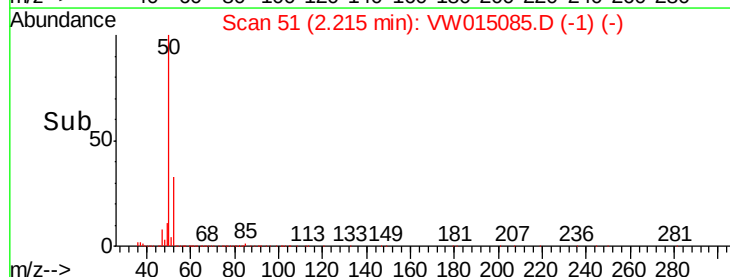
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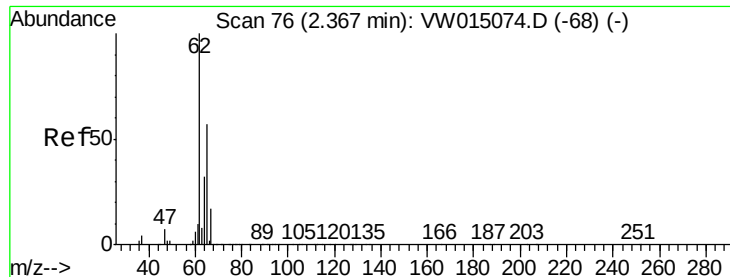
50000

0

2.15 2.20 2.25 2.30

Time-->





#5

Vinyl chloride

Concen: 21.460 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

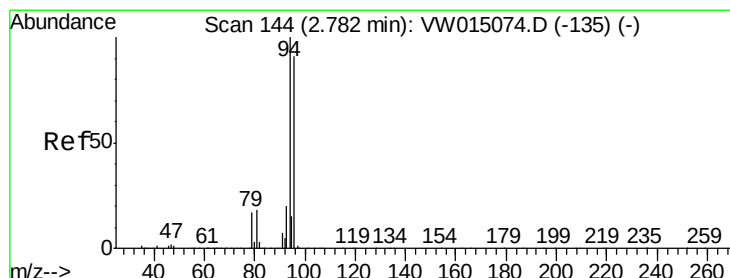
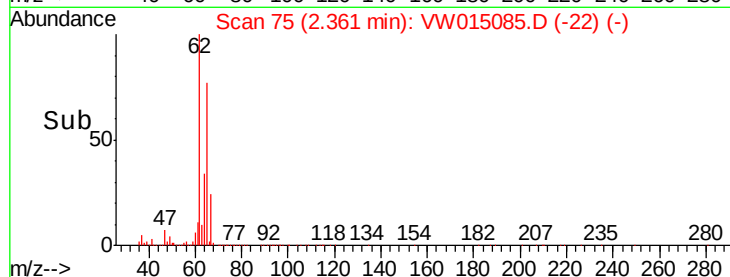
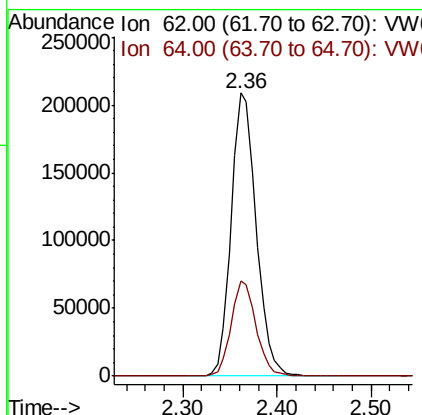
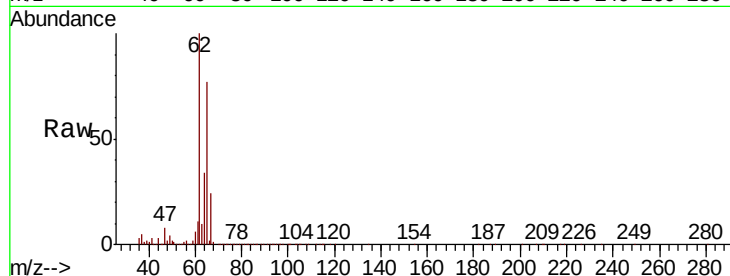
ClientSampleId :

Tot Ion: 62 Resp: 386456

Ion Ratio Lower Upper

62 100

64 33.8 23.0 42.8



#6

Bromomethane

Concen: 22.920 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015085.D

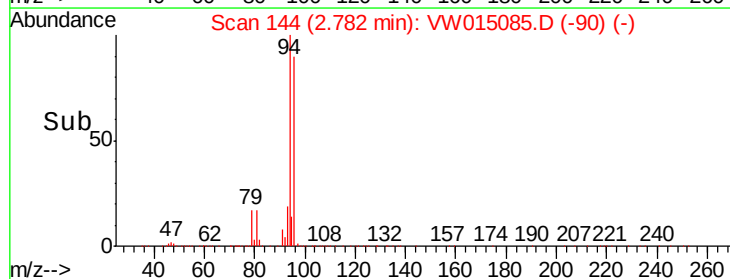
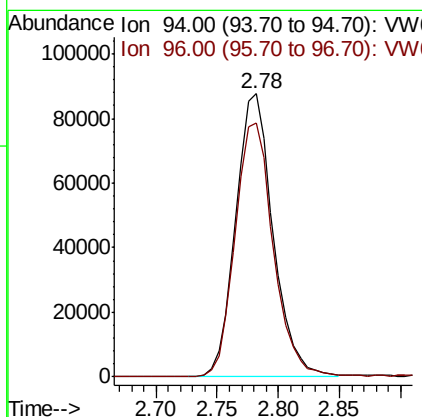
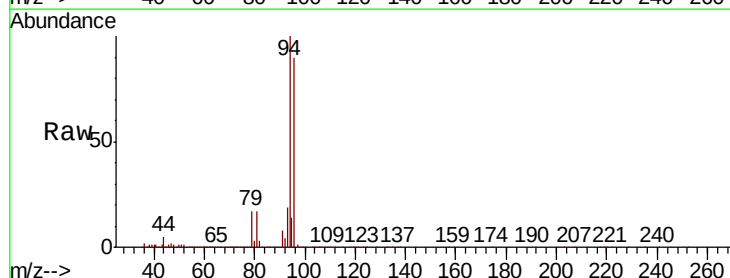
Acq: 02 Mar 2020 11:26

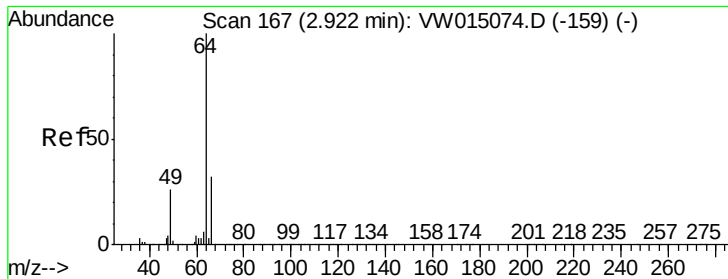
Tgt Ion: 94 Resp: 185291

Ion Ratio Lower Upper

94 100

96 91.9 9.5 179.7





#8

Chloroethane

Concen: 22.456 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

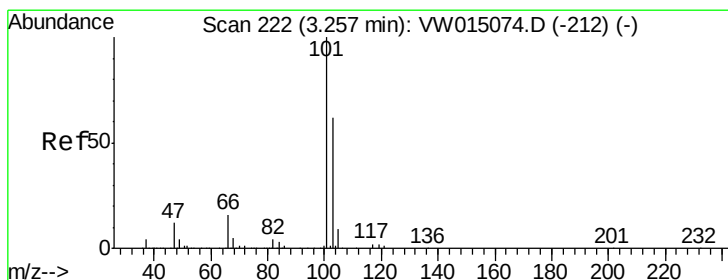
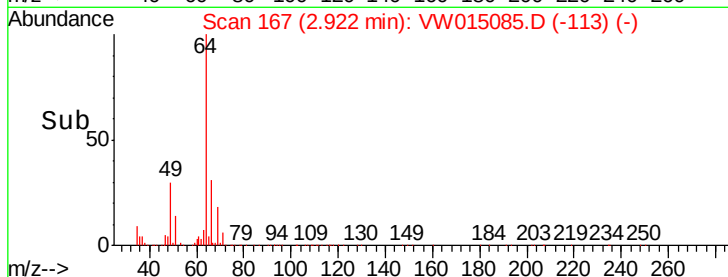
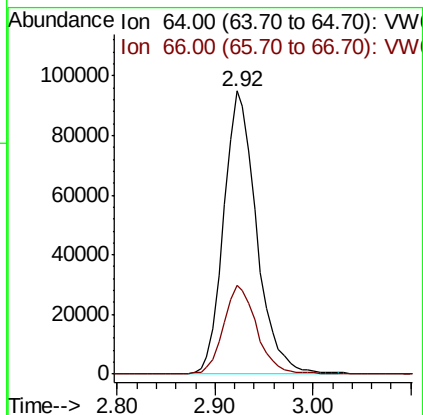
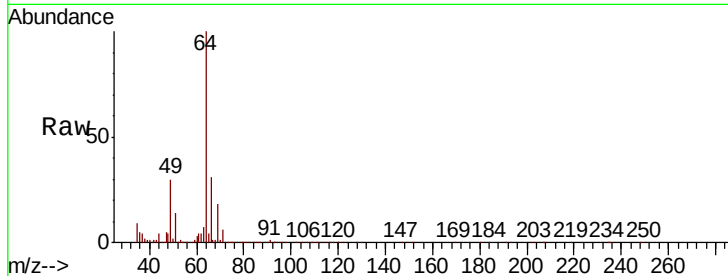
ClientSampleId :

Tot Ion: 64 Resp: 220035

Ion Ratio Lower Upper

64 100

66 31.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 27.120 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW015085.D

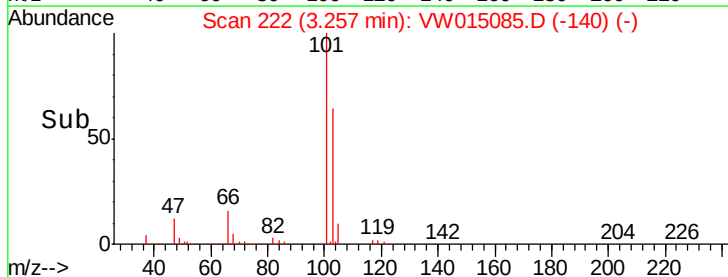
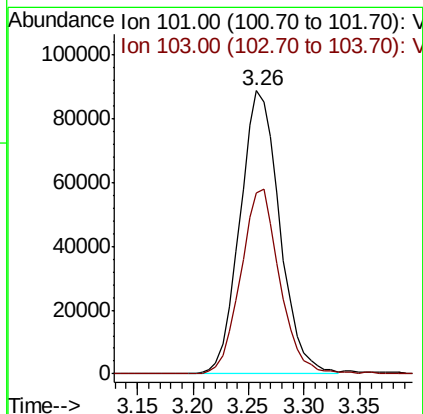
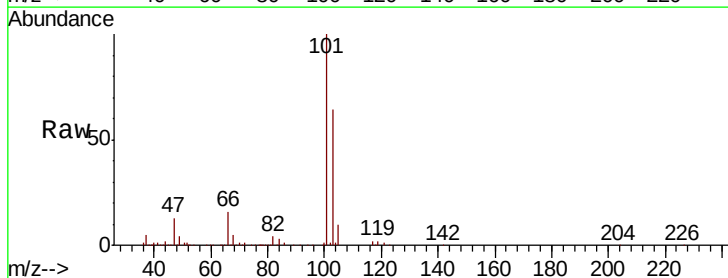
Acq: 02 Mar 2020 11:26

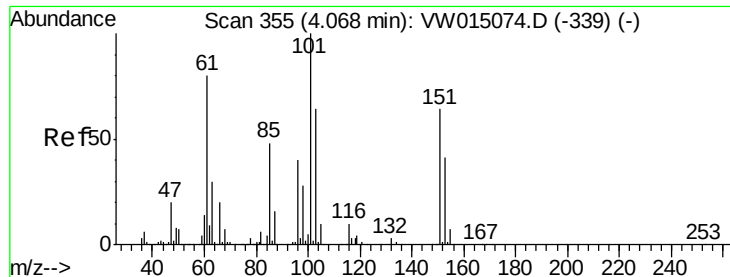
Tgt Ion: 101 Resp: 220097

Ion Ratio Lower Upper

101 100

103 63.9 44.9 83.5





#11

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

Concen: 25.268 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

ClientSampled :

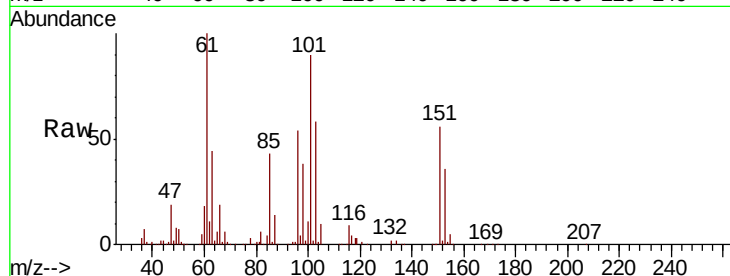
Tot Ion:101 Resp: 282431

Ion Ratio Lower Upper

101 100

85 47.4 37.8 56.8

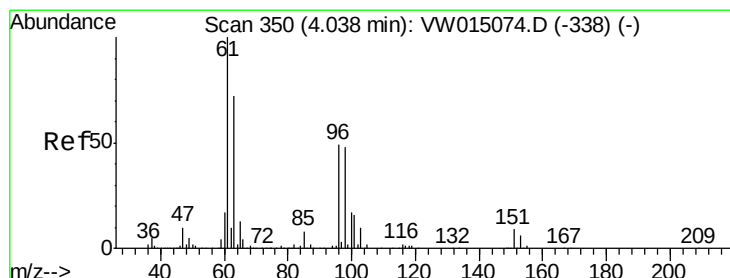
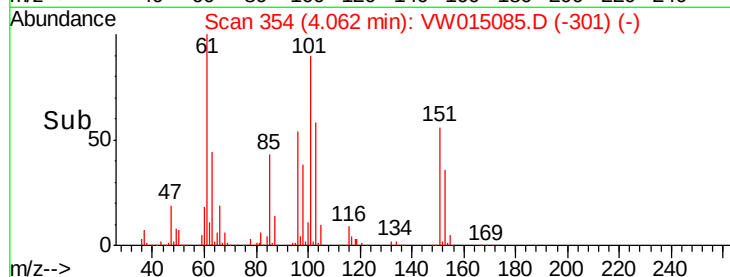
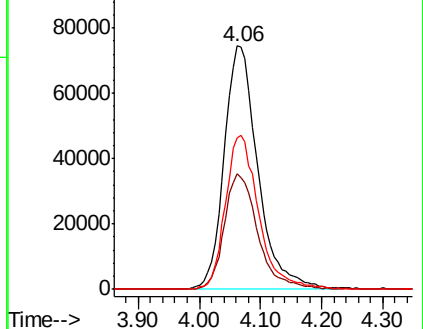
151 61.5 50.3 75.5



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: 24.984 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

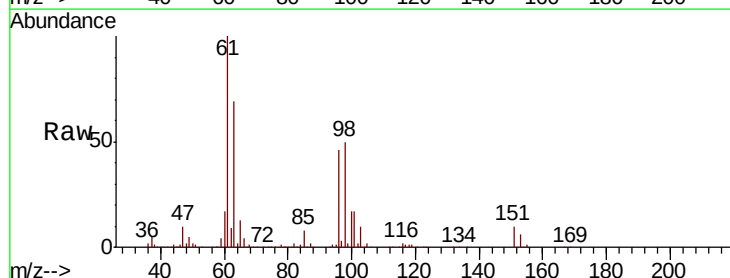
Tgt Ion: 96 Resp: 265874

Ion Ratio Lower Upper

96 100

61 215.5 138.5 257.1

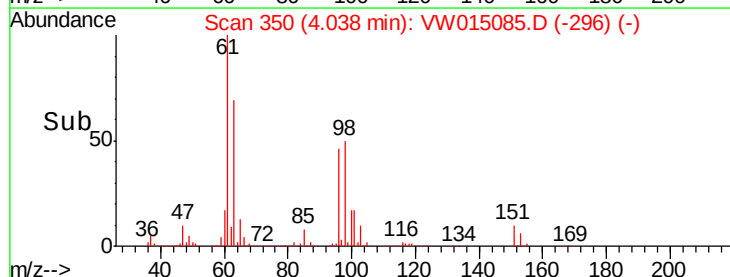
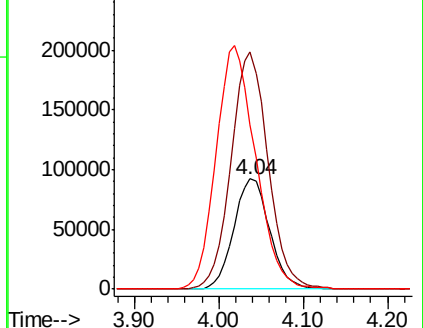
63 149.6 93.4 173.6

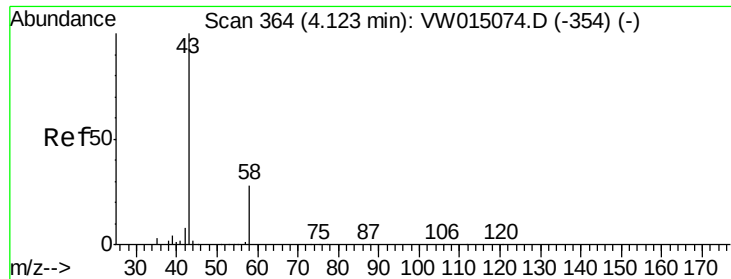


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.389 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

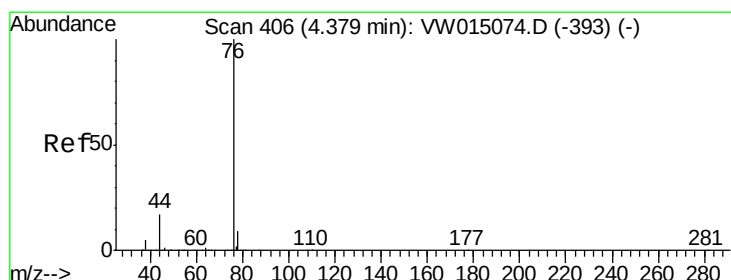
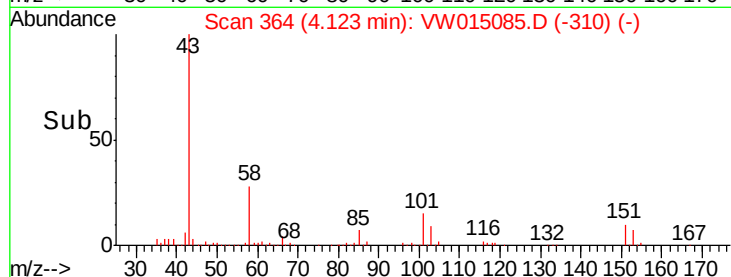
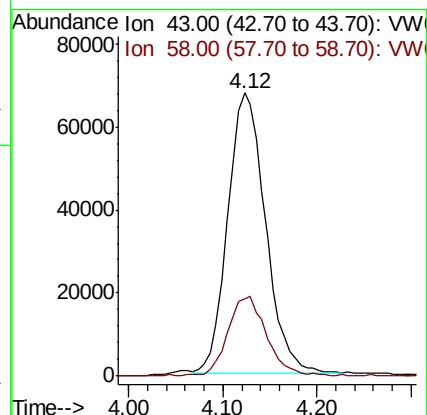
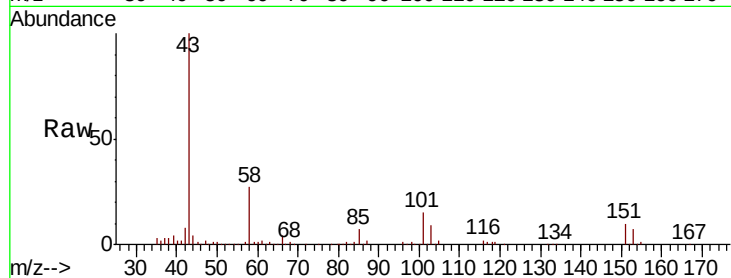
ClientSampleId :

Tot Ion: 43 Resp: 187859

Ion Ratio Lower Upper

43 100

58 28.8 0.0 54.0



#14

Carbon disulfide

Concen: 23.140 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015085.D

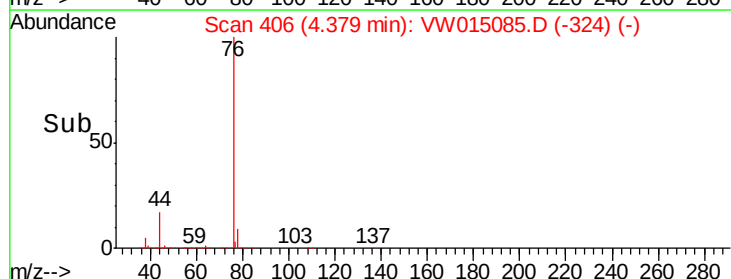
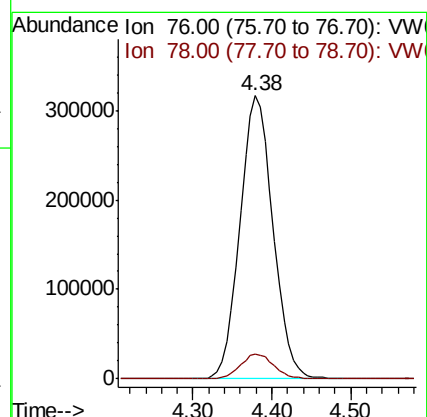
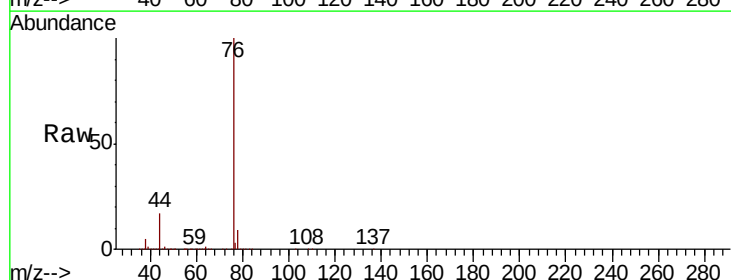
Acq: 02 Mar 2020 11:26

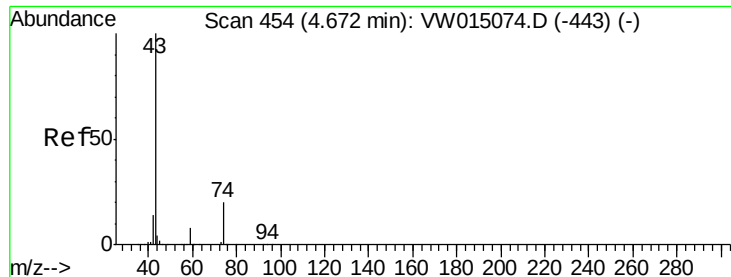
Tgt Ion: 76 Resp: 921512

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 25.715 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

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Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

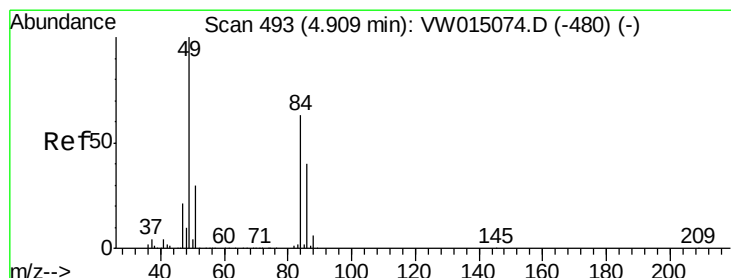
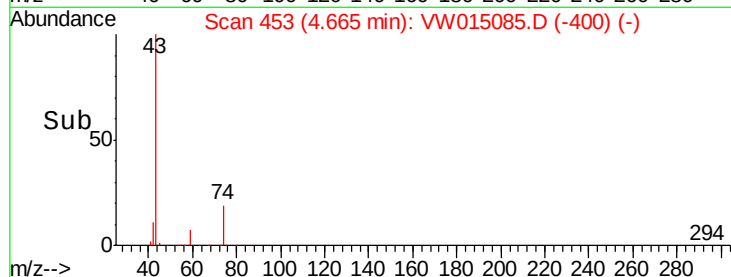
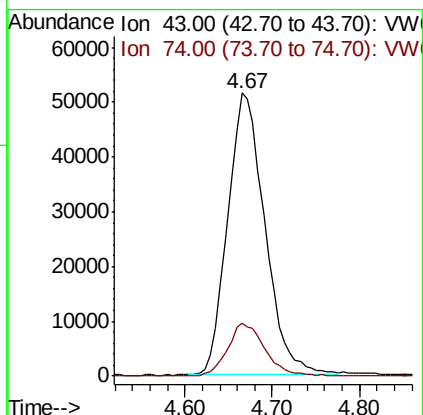
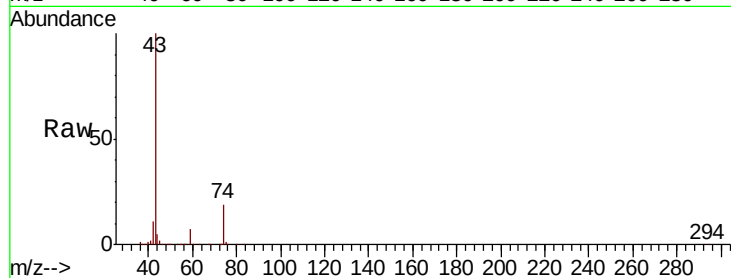
ClientSampleId :

Tot Ion: 43 Resp: 152357

Ion Ratio Lower Upper

43 100

74 18.8 14.5 21.7



#16

Methylene chloride

Concen: 22.956 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

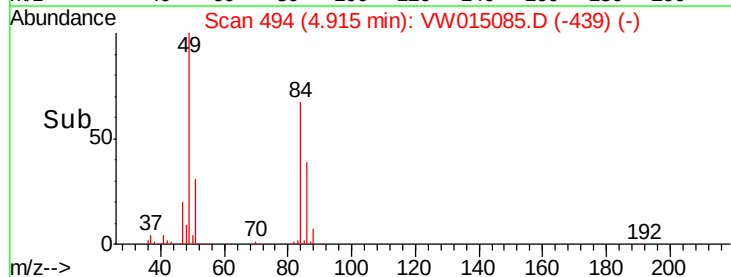
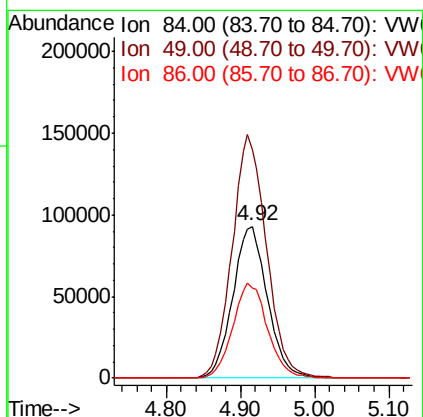
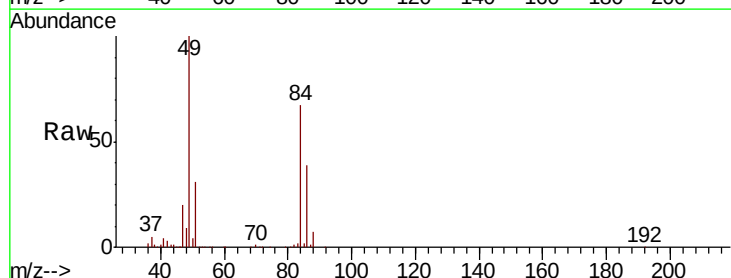
Tgt Ion: 84 Resp: 302344

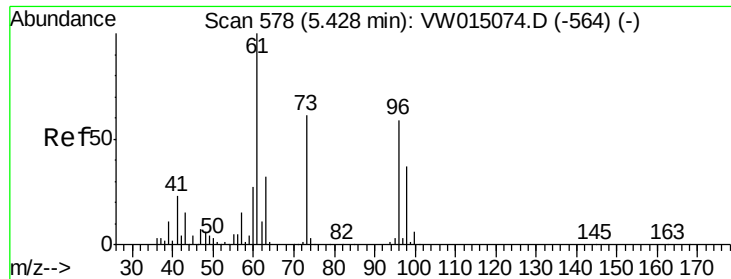
Ion Ratio Lower Upper

84 100

49 150.3 115.6 214.8

86 59.3 45.9 85.3

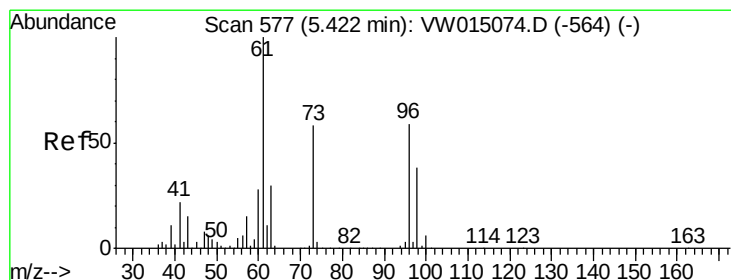
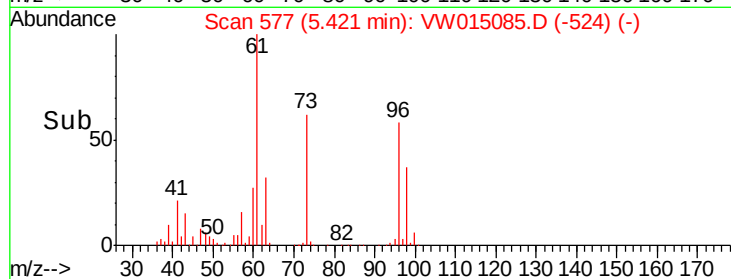
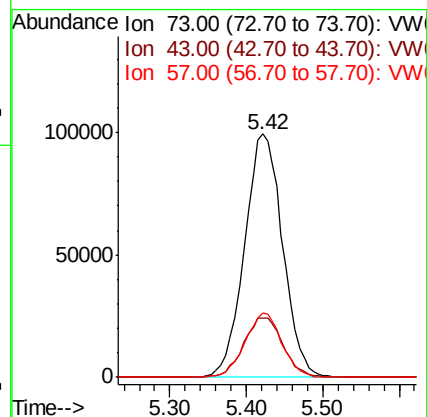
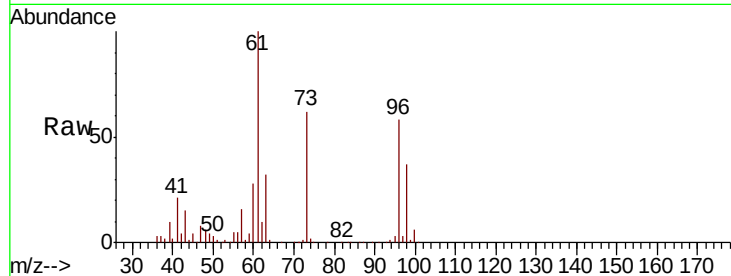




#17
Methvl tert-butyl Ether
Concen: 26.712 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015085.D
Acq: 02 Mar 2020 11:26

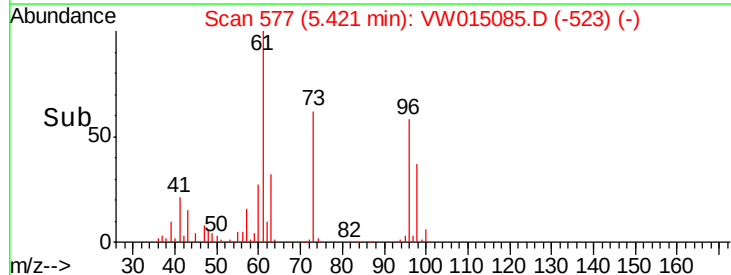
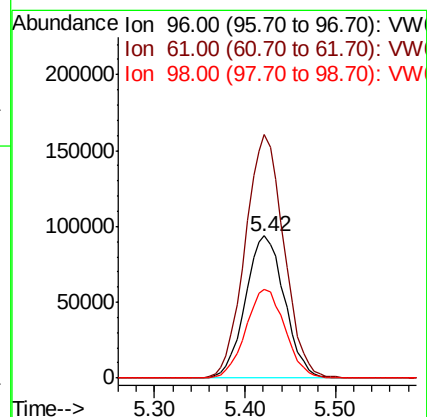
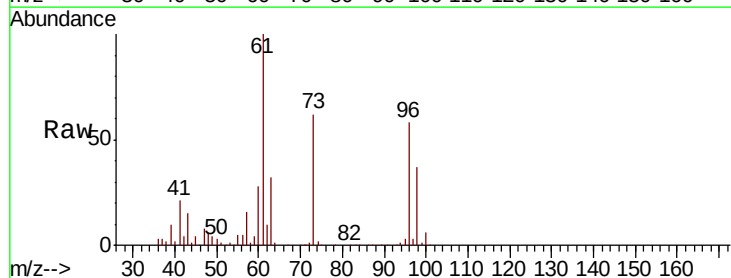
Instrument :
MSVOA_W
ClientSampled :

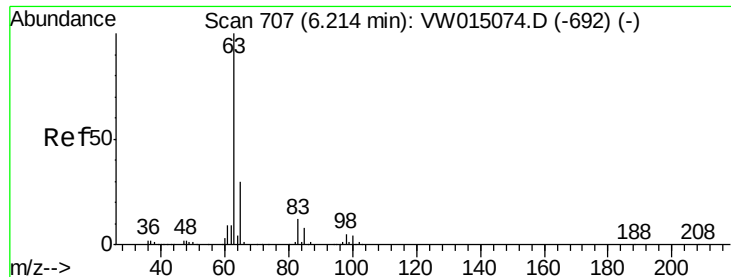
Tot Ion: 73 Resp: 344080
Ion Ratio Lower Upper
73 100
43 25.2 19.7 29.5
57 25.6 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 25.454 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015085.D
Acq: 02 Mar 2020 11:26

Tgt Ion: 96 Resp: 279855
Ion Ratio Lower Upper
96 100
61 171.5 115.1 213.8
98 62.9 44.0 81.6

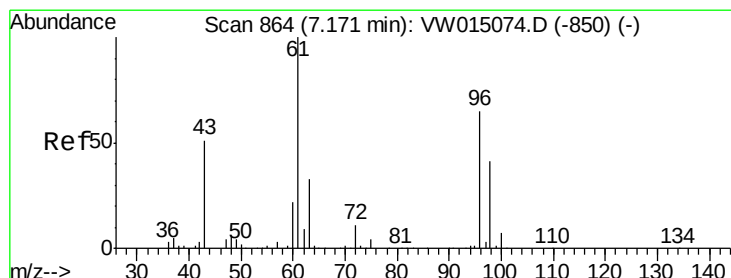
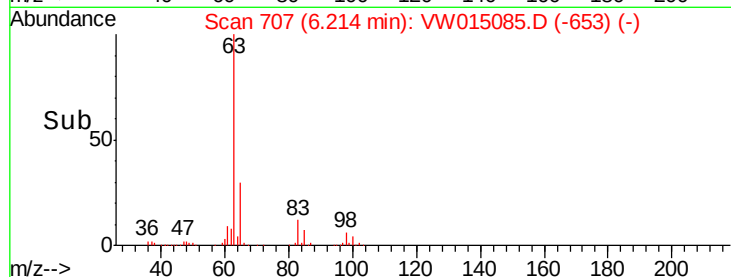
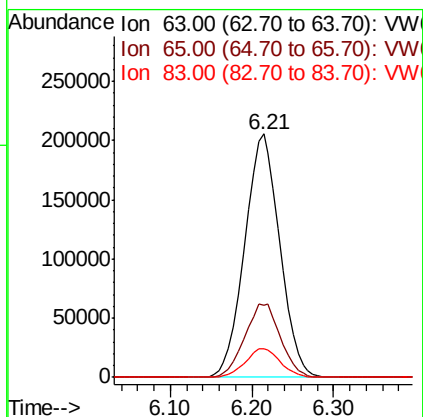
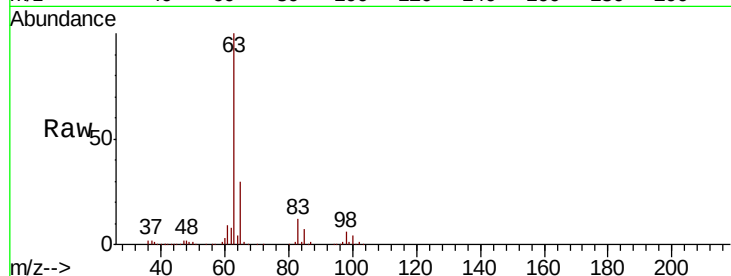




#19
 1,1-Dichloroethane
 Concen: 25.088 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

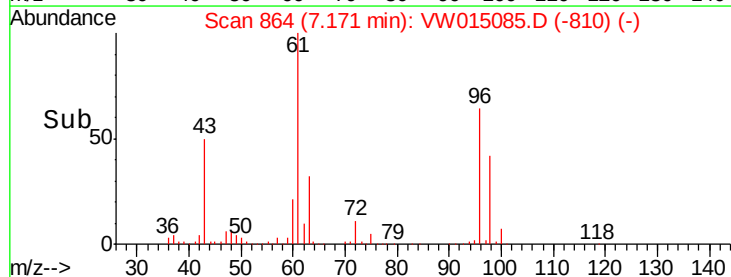
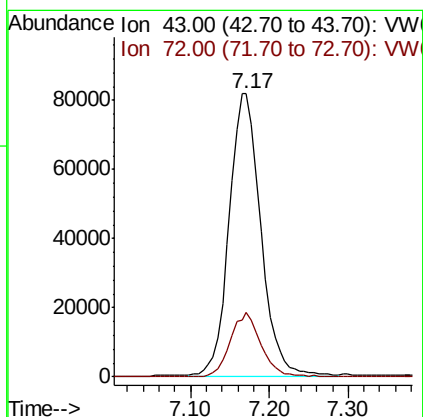
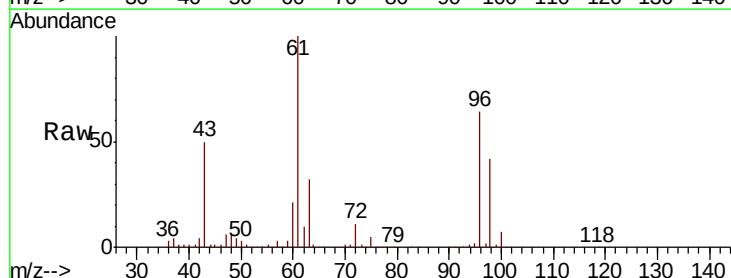
Instrument :
 MSVOA_W
 ClientSampled :

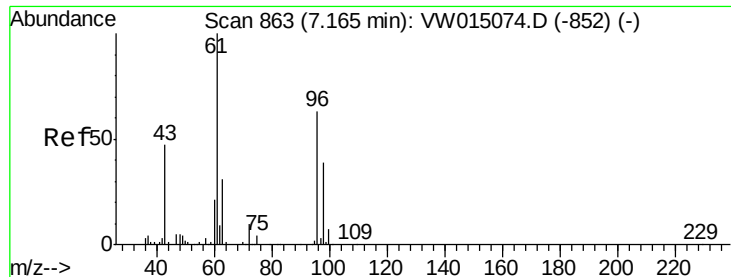
Tot Ion: 63 Resp: 615211
 Ion Ratio Lower Upper
 63 100
 65 29.6 21.9 40.7
 83 11.7 7.8 14.6



#21
 2-Butanone
 Concen: 55.569 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion: 43 Resp: 229928
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.4 31.4



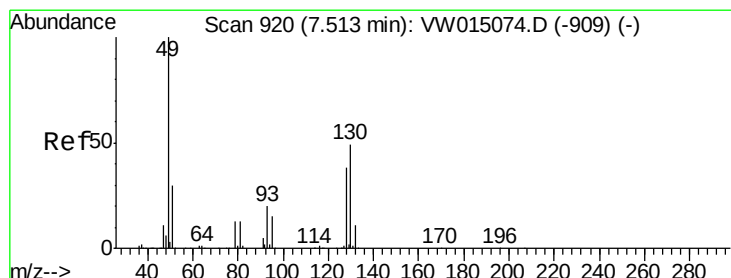
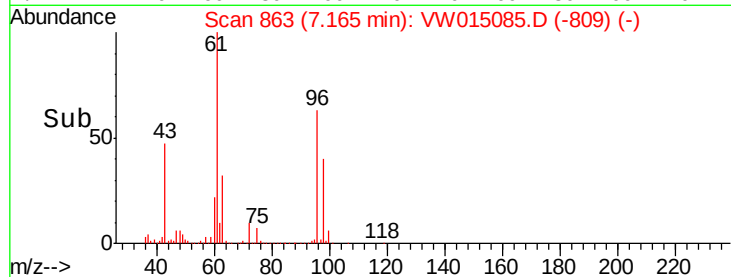
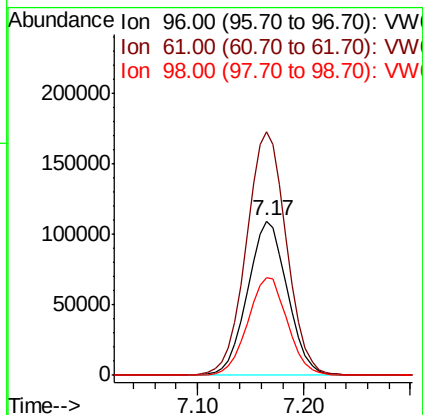
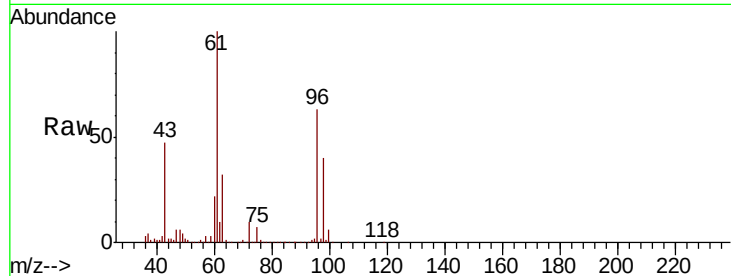


#22

cis-1,2-Dichloroethene
 Concen: 25.579 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Instrument :
 MSVOA_W
 ClientSampled :

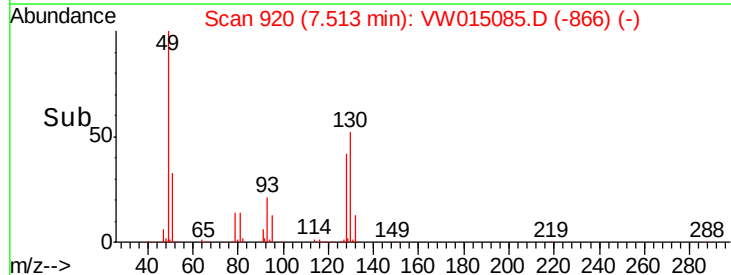
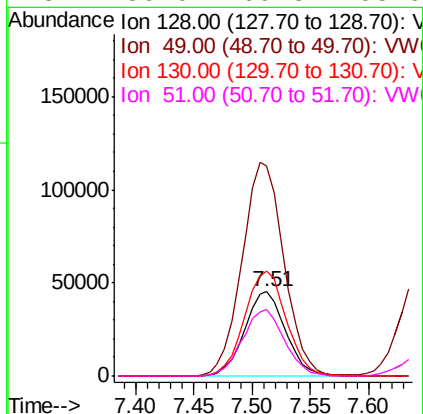
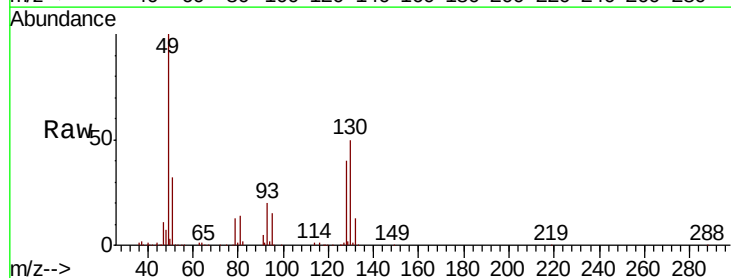
Tot Ion	96	Resp	286199
Ion	Ratio	Lower	Upper
96	100		
61	157.7	105.2	195.4
98	63.7	42.6	79.2

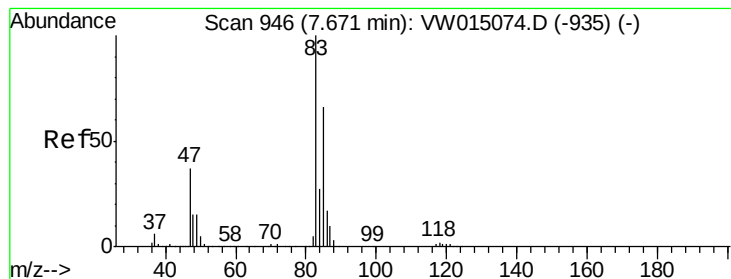


#23

Bromochloromethane
 Concen: 25.418 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion	128	Resp	110634
Ion	Ratio	Lower	Upper
128	100		
49	249.5	192.7	357.9
130	124.7	92.7	172.1
51	80.0	69.3	103.9





#25

Chloroform

Concen: 24.628 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

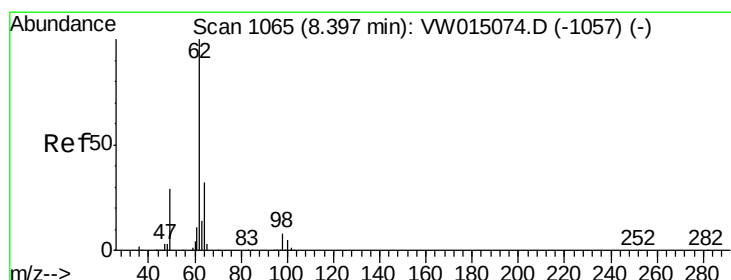
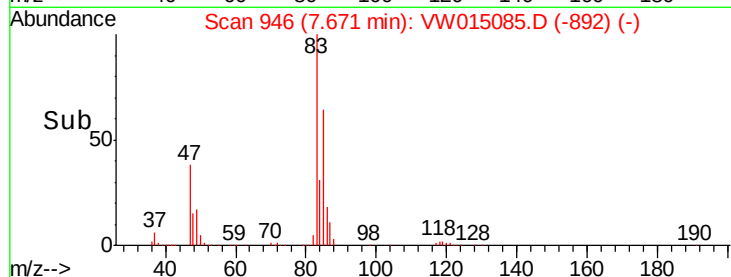
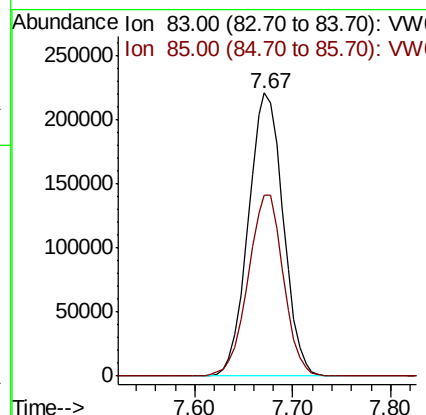
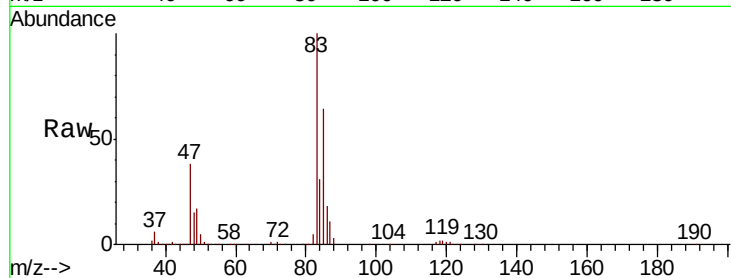
ClientSampleId :

Tot Ion: 83 Resp: 548073

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5



#27

1,2-Dichloroethane

Concen: 25.568 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015085.D

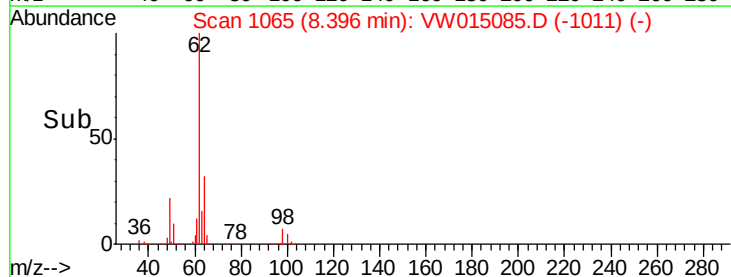
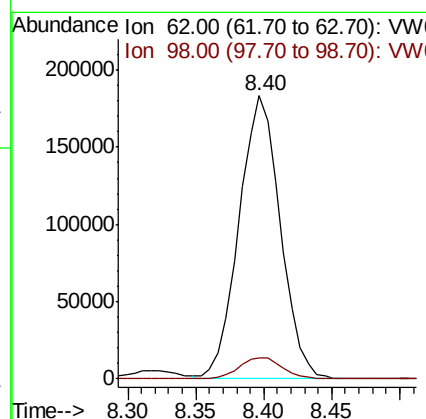
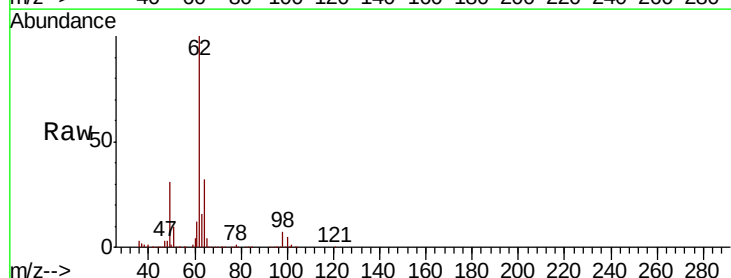
Acq: 02 Mar 2020 11:26

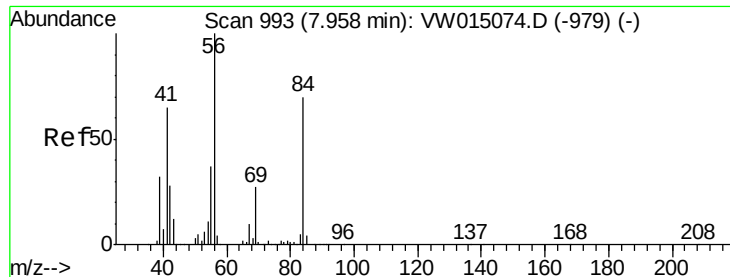
Tgt Ion: 62 Resp: 389303

Ion Ratio Lower Upper

62 100

98 7.5 6.5 9.7

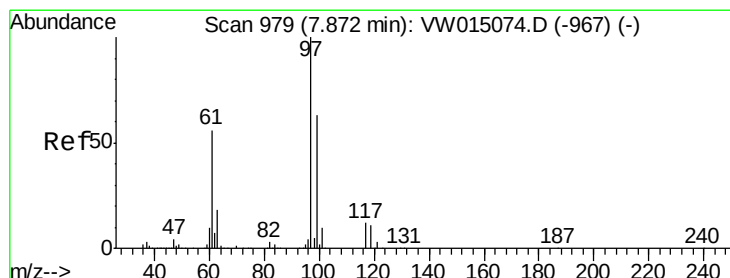
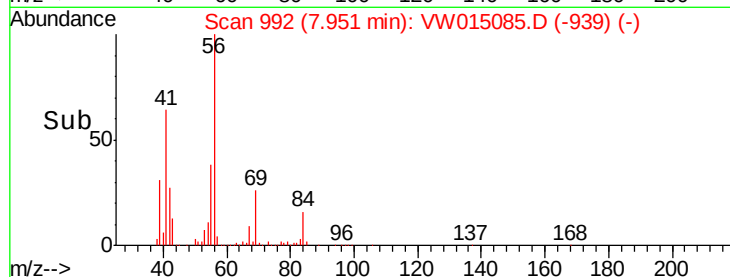
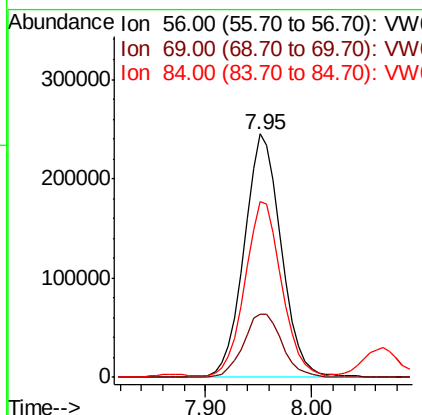
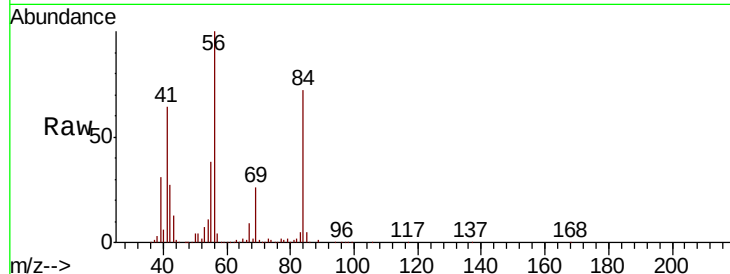




#30
Cyclohexane
Concen: 27.824 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015085.D
Acq: 02 Mar 2020 11:26

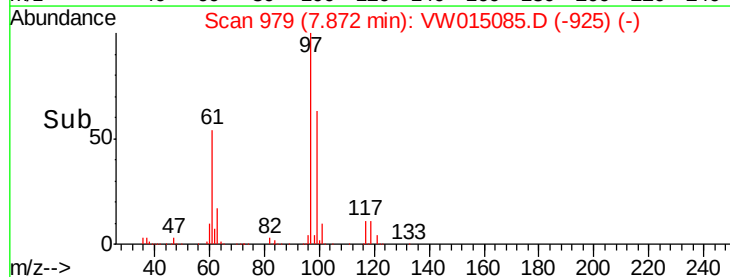
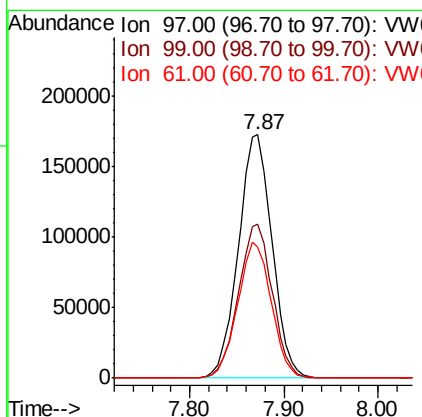
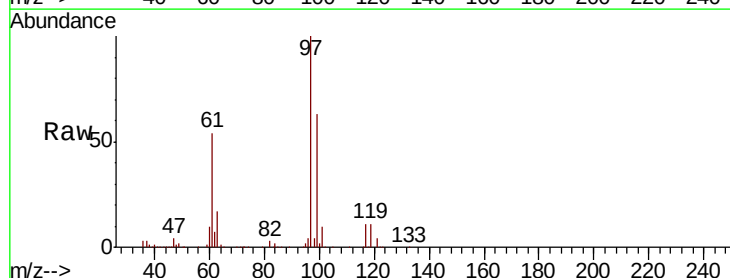
Instrument :
MSVOA_W
ClientSampleId :

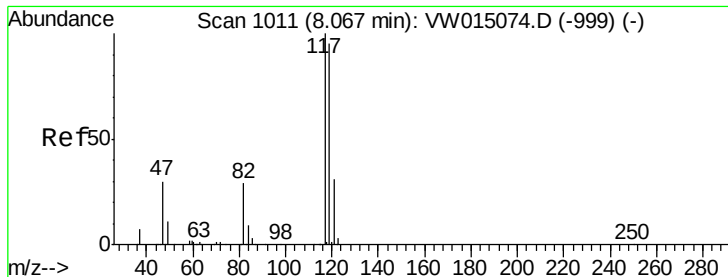
Tot Ion: 56 Resp: 597632
Ion Ratio Lower Upper
56 100
69 27.3 21.8 32.6
84 72.0 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 25.949 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015085.D
Acq: 02 Mar 2020 11:26

Tgt Ion: 97 Resp: 429931
Ion Ratio Lower Upper
97 100
99 63.7 50.6 76.0
61 55.8 43.1 64.7





#32

Carbon tetrachloride

Concen: 25.674 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

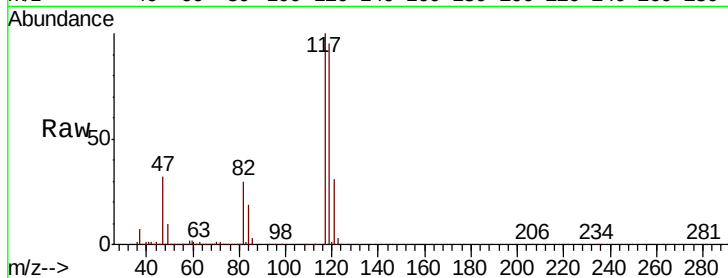
ClientSampleId :

Tot Ion:117 Resp: 381170

Ion Ratio Lower Upper

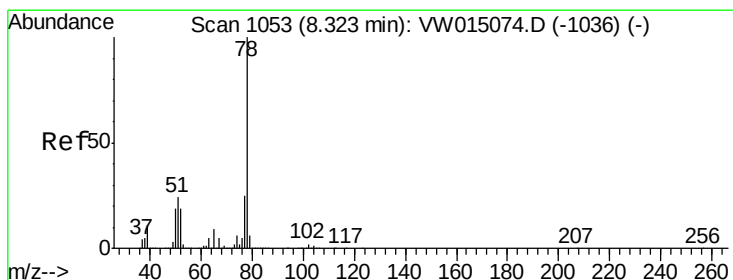
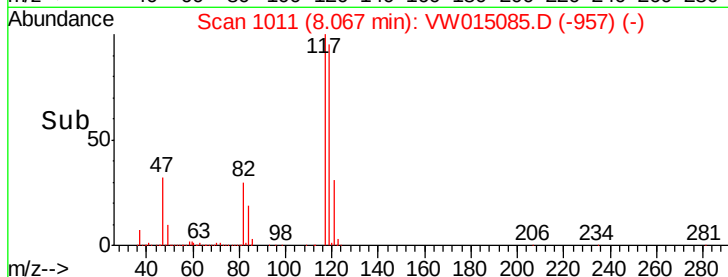
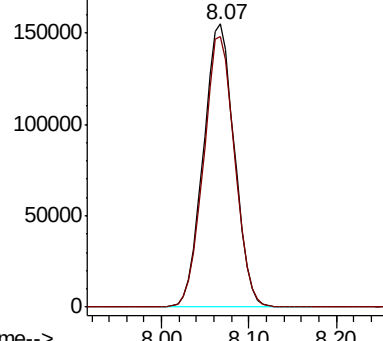
117 100

119 96.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.731 ug/L

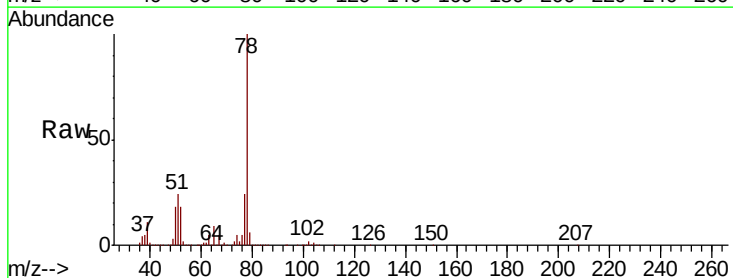
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

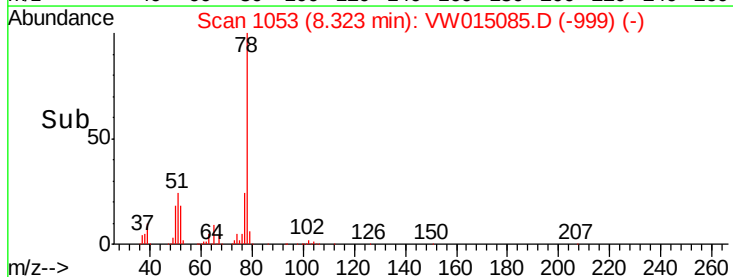
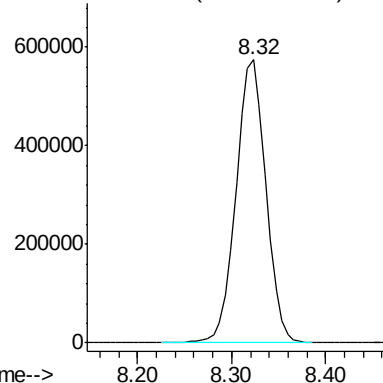
Lab File: VW015085.D

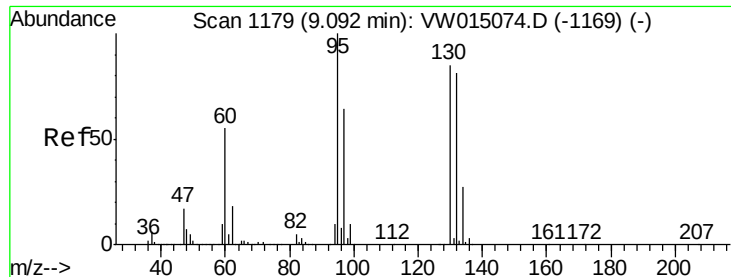
Acq: 02 Mar 2020 11:26

Tgt Ion: 78 Resp: 1277412



Abundance Ion 78.00 (77.70 to 78.70): VW

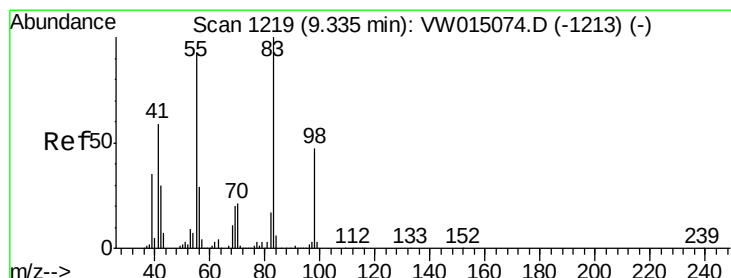
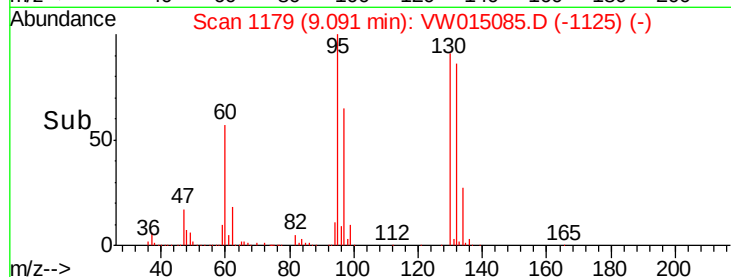
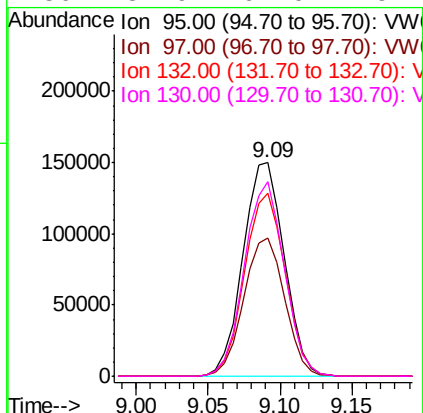
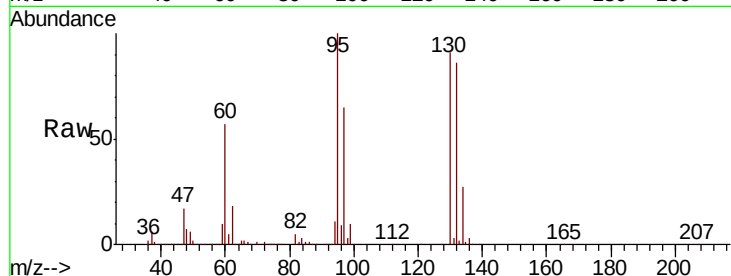




#35
 Trichloroethene
 Concen: 25.788 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

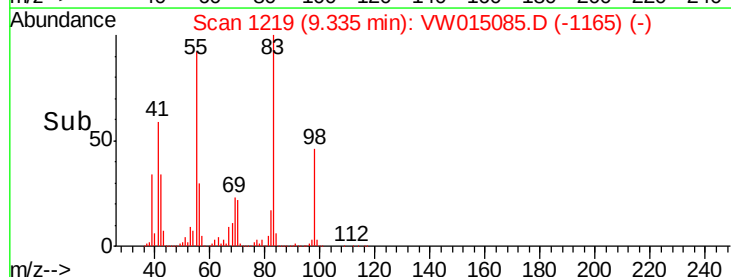
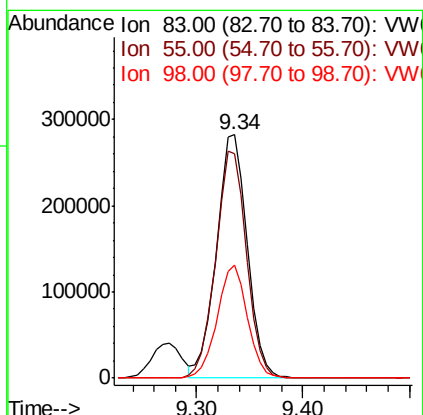
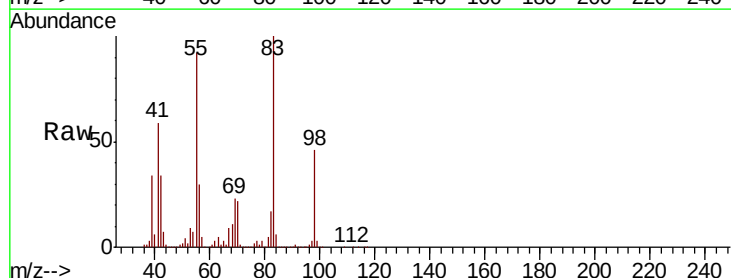
Instrument :
 MSVOA_W
 ClientSampleId :

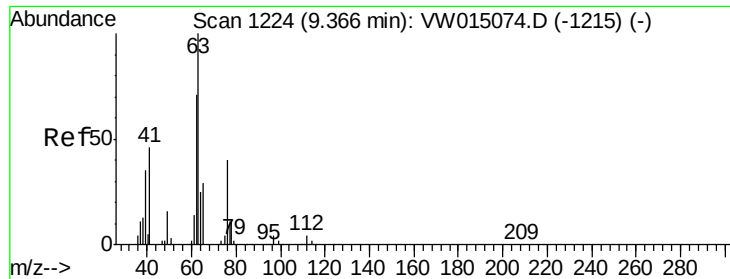
Tot Ion	95	Resp	298106
Ion Ratio	Lower	Upper	
95	100		
97	64.1	44.7	83.1
132	84.5	58.1	107.9
130	87.9	62.0	115.2



#36
 Methylcyclohexane
 Concen: 28.608 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion	83	Resp	567884
Ion Ratio	Lower	Upper	
83	100		
55	92.8	76.6	115.0
98	45.5	36.6	54.8

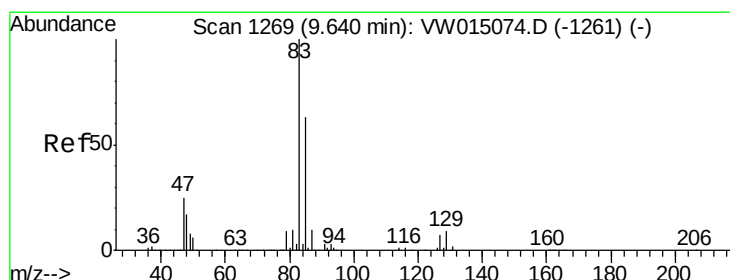
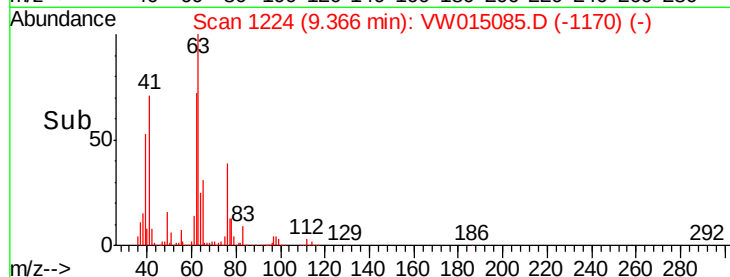
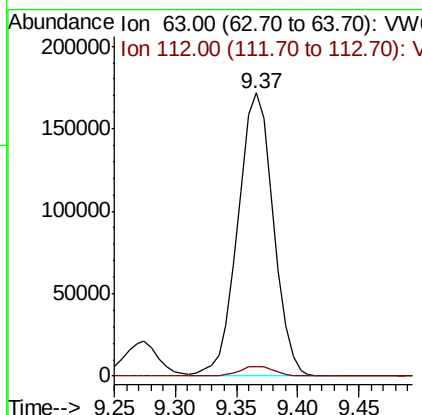
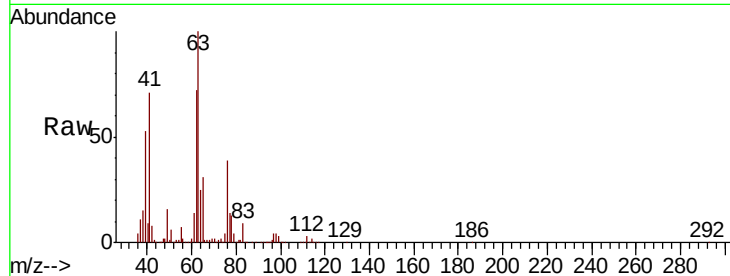




#40
 1,2-Dichloropropane
 Concen: 26.057 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

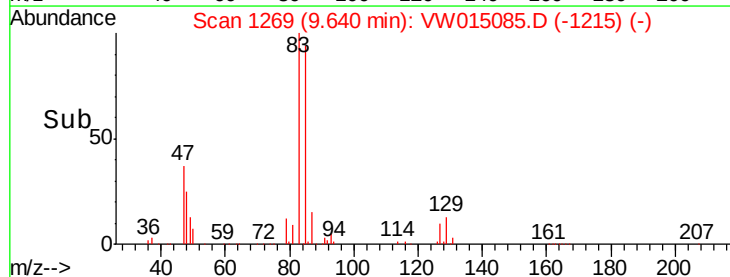
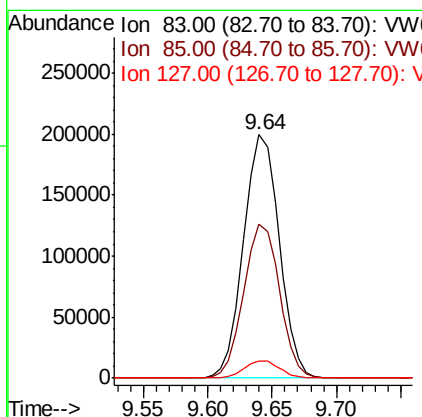
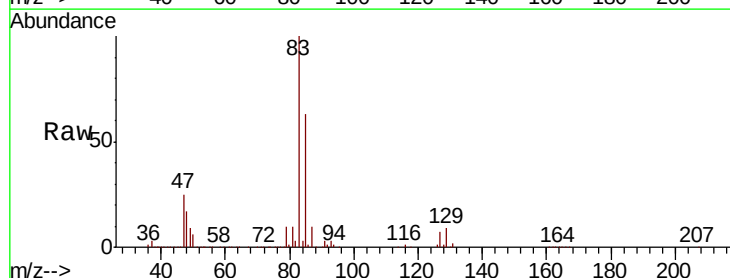
Instrument :
 MSVOA_W
 ClientSampleId :

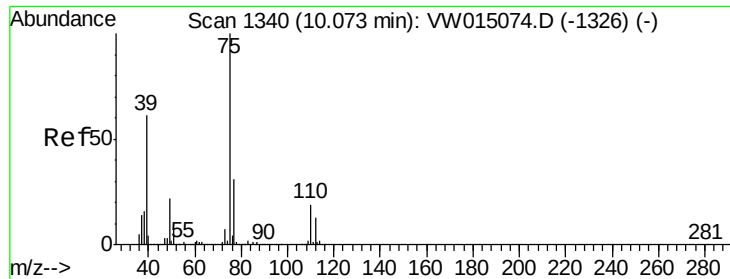
Tot Ion: 63 Resp: 345839
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.8 4.2



#41
 Bromodichloromethane
 Concen: 25.740 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion: 83 Resp: 383220
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.7 83.1
 127 6.9 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 27.395 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

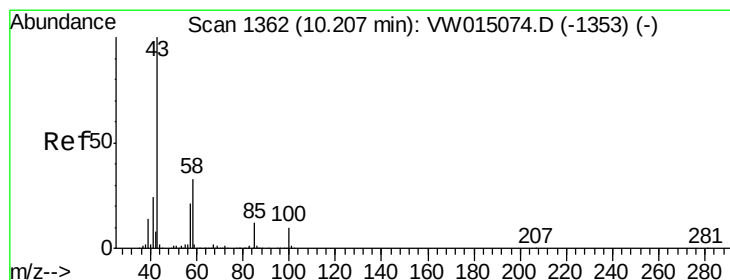
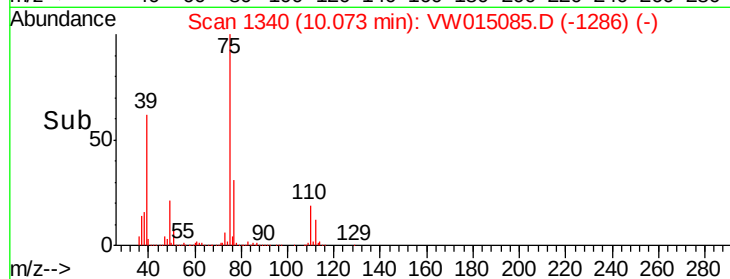
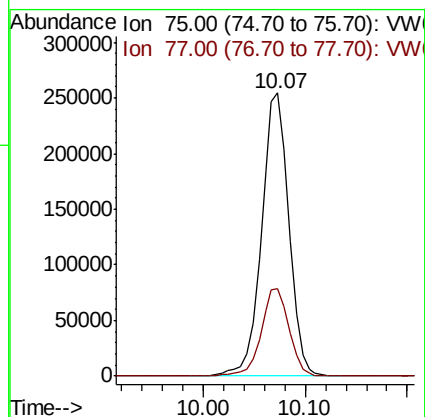
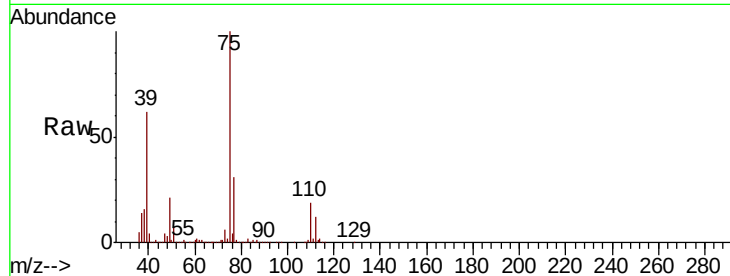
ClientSampled :

Tot Ion: 75 Resp: 473793

Ion Ratio Lower Upper

75 100

77 30.9 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 56.211 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

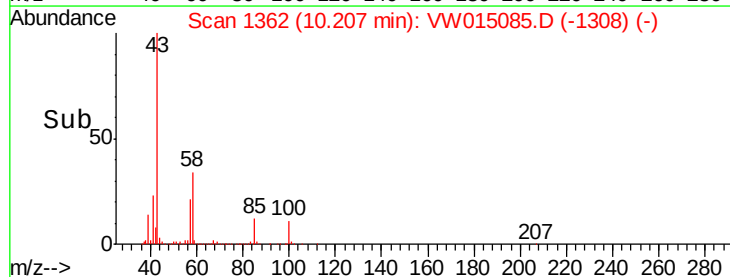
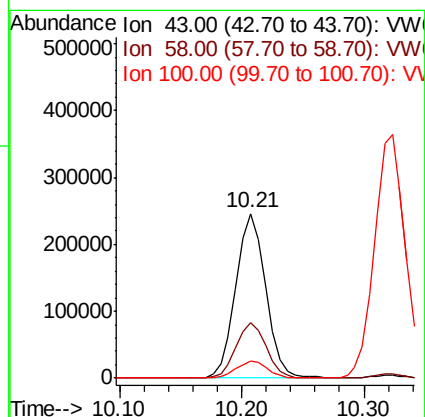
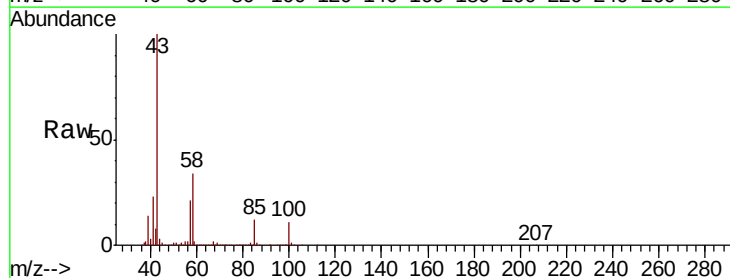
Tgt Ion: 43 Resp: 417282

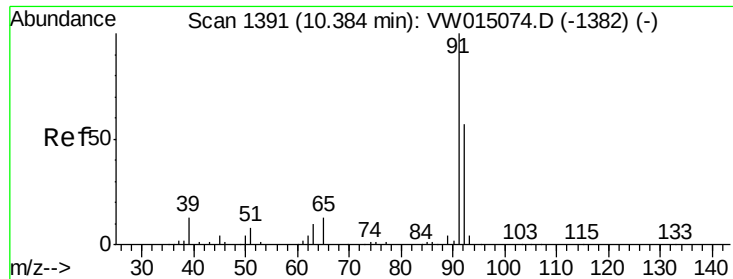
Ion Ratio Lower Upper

43 100

58 33.9 27.6 41.4

100 10.6 8.6 13.0





#44

Toluene

Concen: 27.516 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

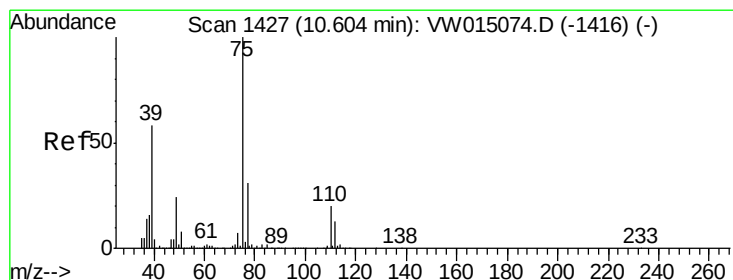
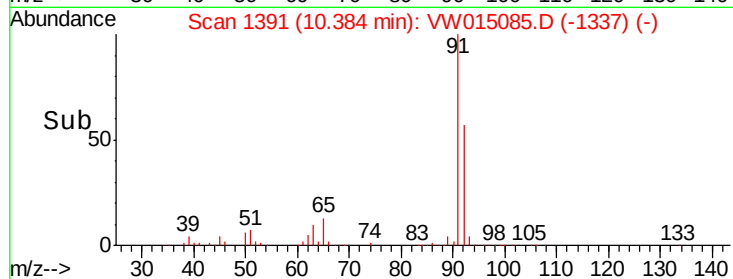
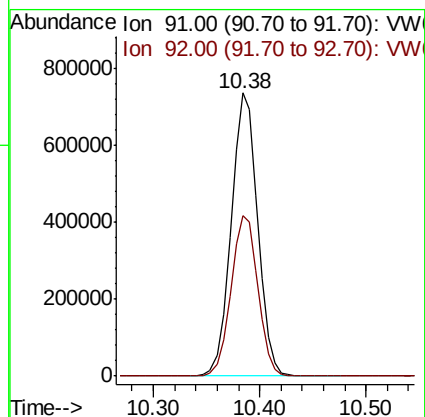
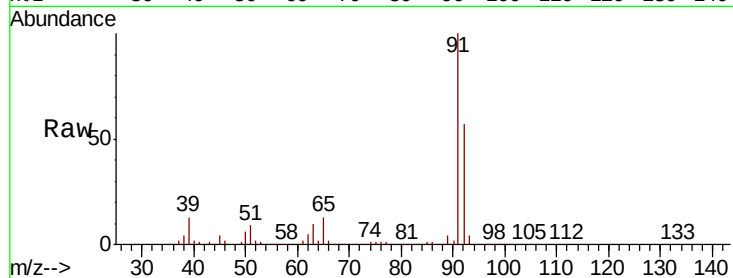
ClientSampled :

Tot Ion: 91 Resp: 1277075

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 27.001 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015085.D

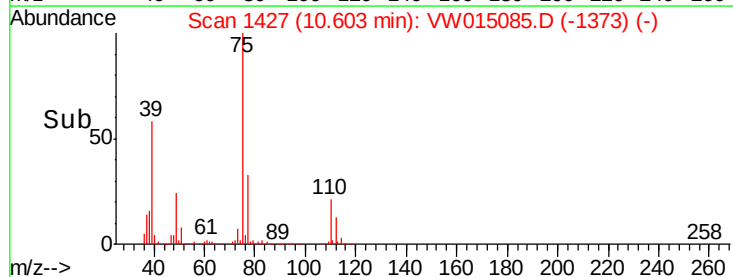
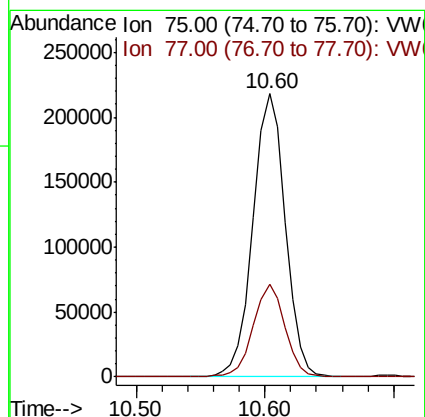
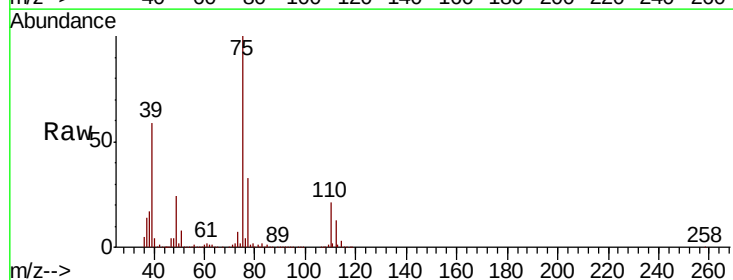
Acq: 02 Mar 2020 11:26

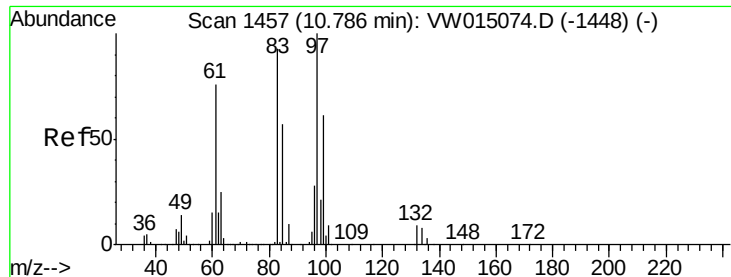
Tgt Ion: 75 Resp: 377441

Ion Ratio Lower Upper

75 100

77 32.6 21.6 40.2





#46

1,1,2-Trichloroethane

Concen: 26.210 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 195757

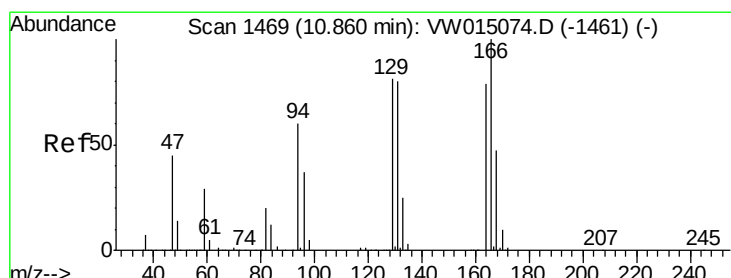
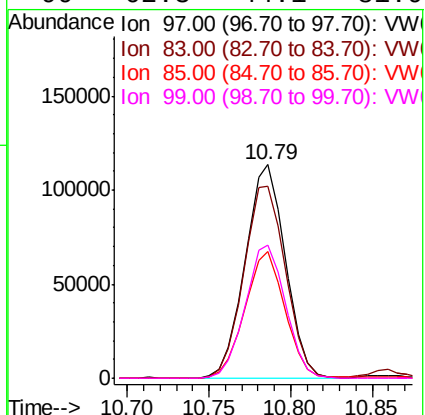
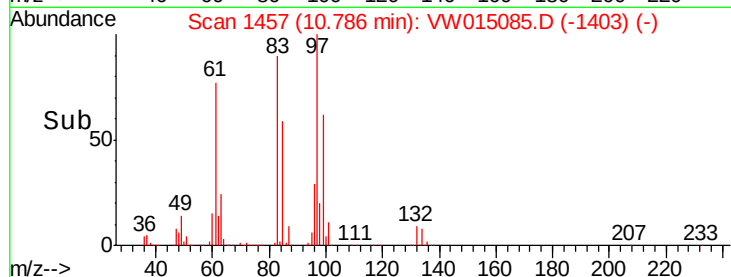
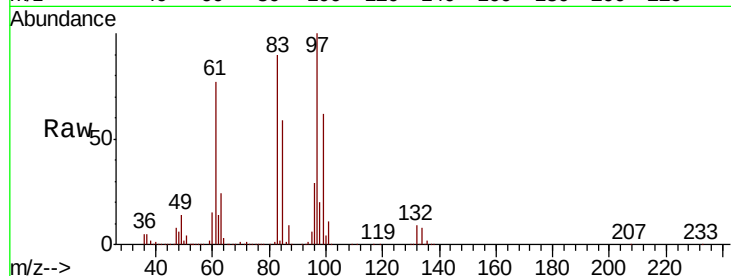
Ion	Ratio	Lower	Upper
97	100		
83	90.1	64.4	119.6
85	59.2	40.9	75.9
99	62.3	44.1	81.9

97 100

83 90.1 64.4 119.6

85 59.2 40.9 75.9

99 62.3 44.1 81.9



#47

Tetrachloroethene

Concen: 25.669 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Tgt Ion: 164 Resp: 191244

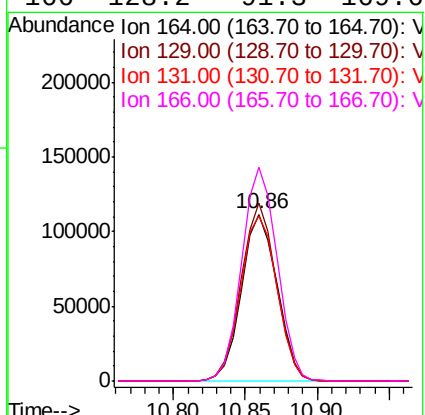
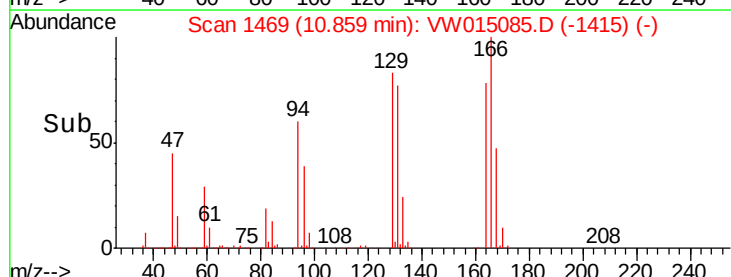
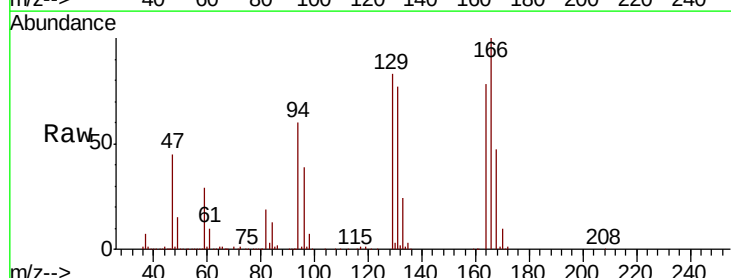
Ion	Ratio	Lower	Upper
164	100		
129	106.7	71.7	133.1
131	99.3	70.1	130.3
166	128.2	91.3	169.6

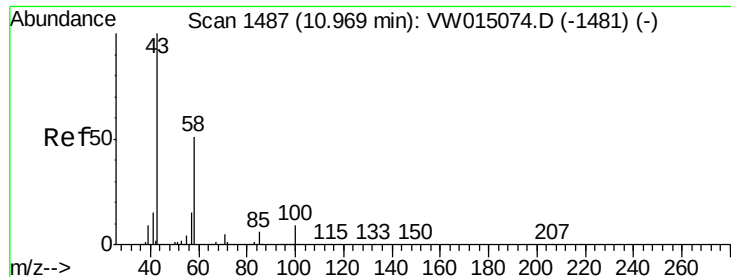
164 100

129 106.7 71.7 133.1

131 99.3 70.1 130.3

166 128.2 91.3 169.6





#49

2-Hexanone

Concen: 59.530 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 320387

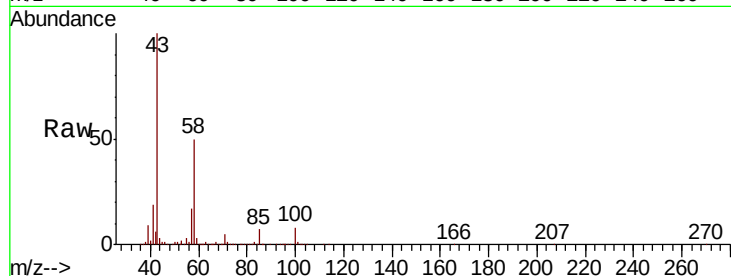
Ion Ratio Lower Upper

43 100

58 48.0 38.9 58.3

57 16.4 13.4 20.2

100 8.0 6.7 10.1



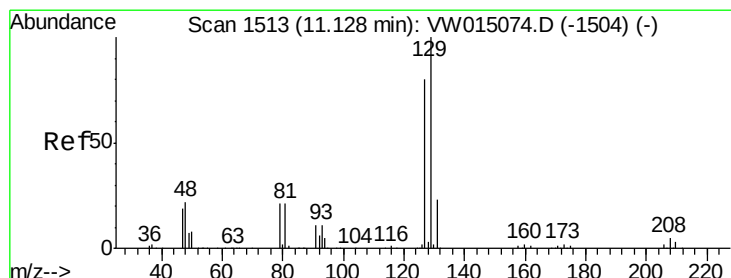
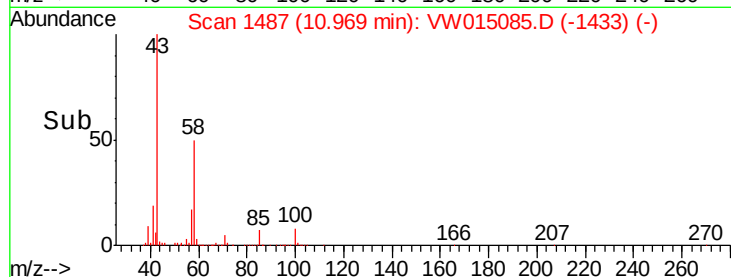
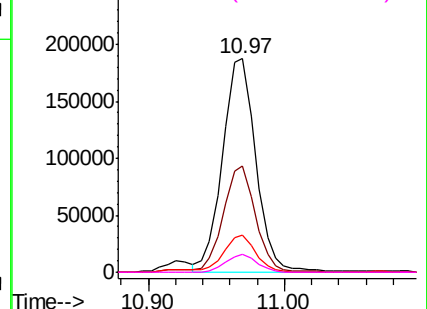
Abundance

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: 25.936 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015085.D

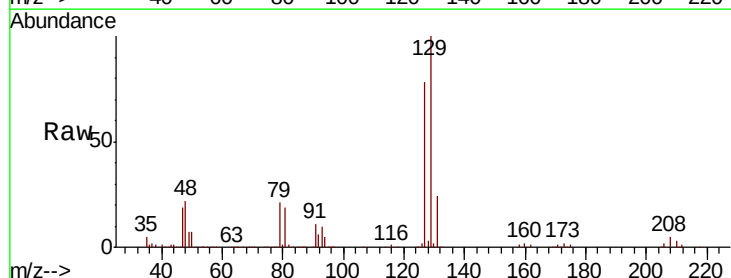
Acq: 02 Mar 2020 11:26

Tgt Ion: 129 Resp: 206151

Ion Ratio Lower Upper

129 100

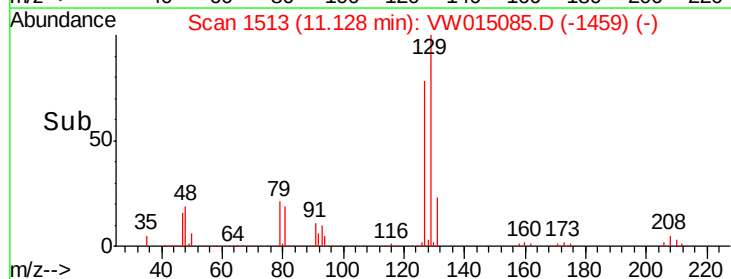
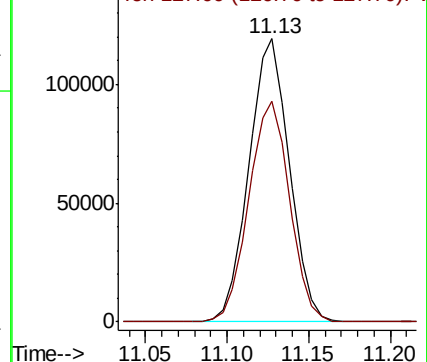
127 77.9 56.4 104.7

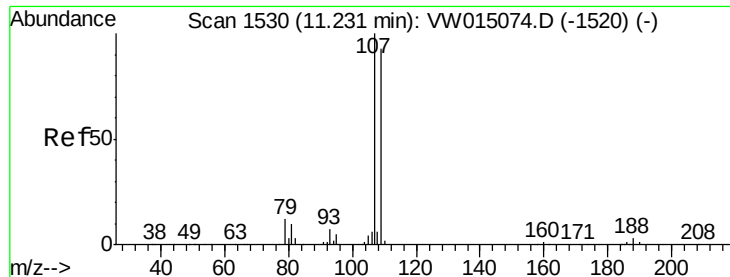


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

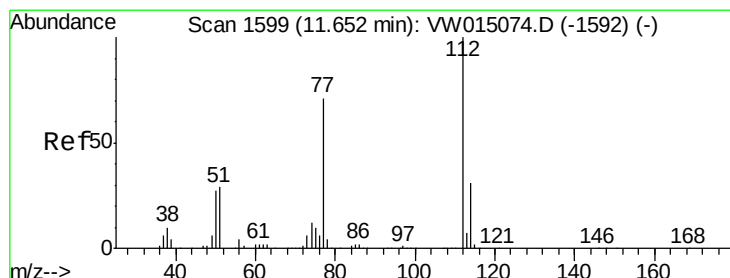
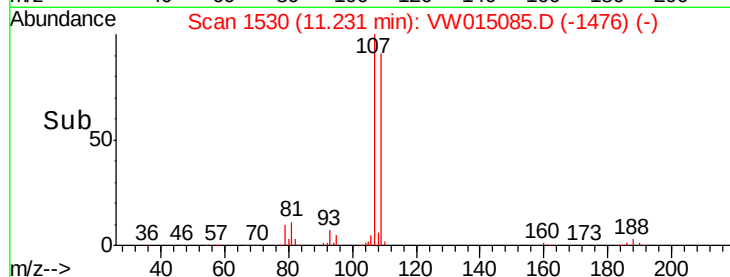
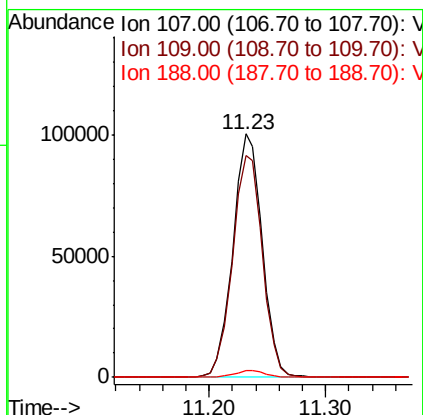
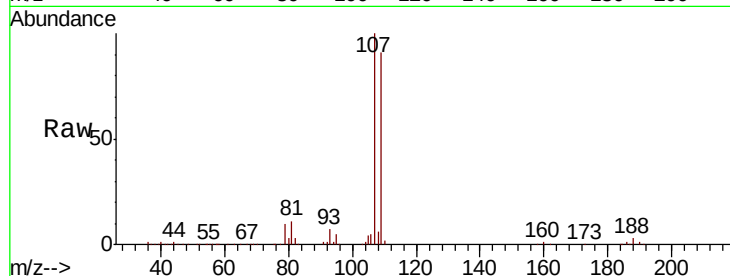




#51
 1,2-Dibromoethane
 Concen: 27.111 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

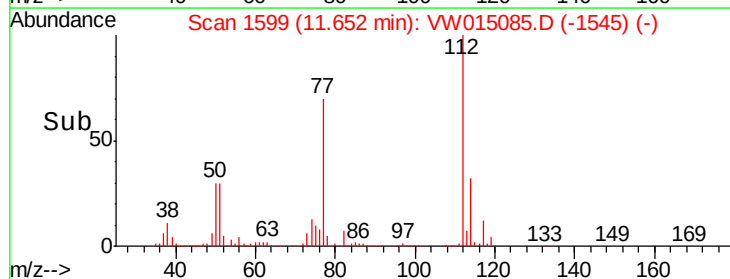
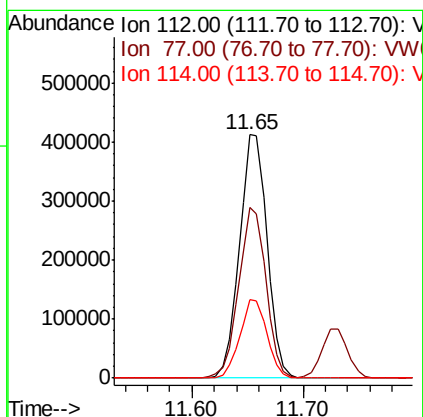
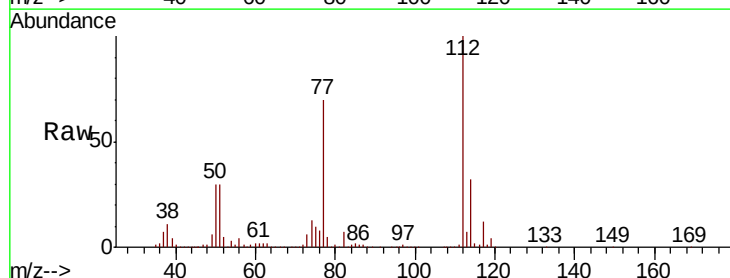
Instrument :
 MSVOA_W
 ClientSampleId :

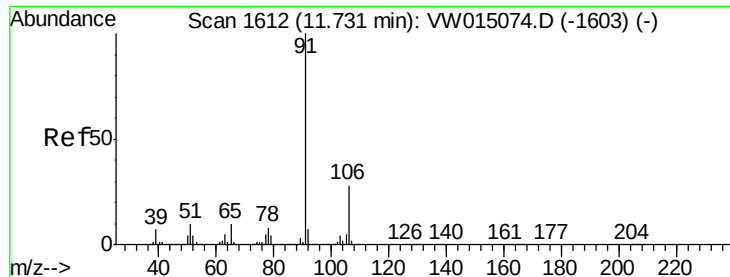
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	61.9	114.9
188	3.0	2.5	3.7



#52
 Chlorobenzene
 Concen: 25.973 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
77	70.2	57.0	85.6
114	32.0	22.5	41.9

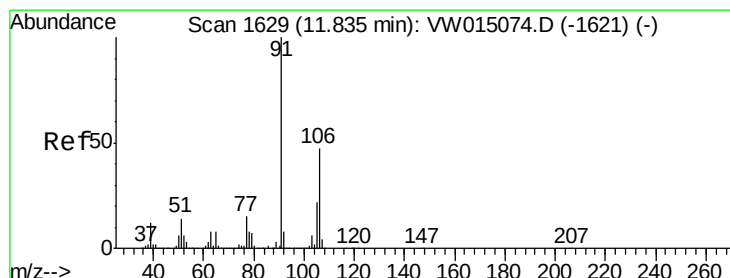
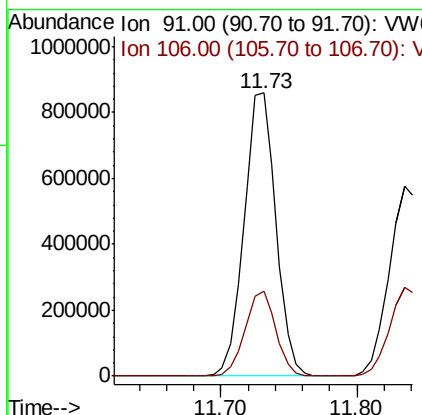
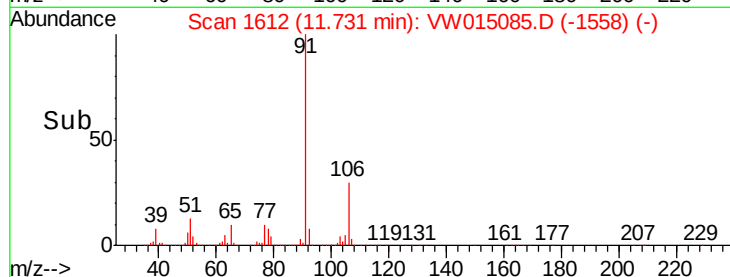
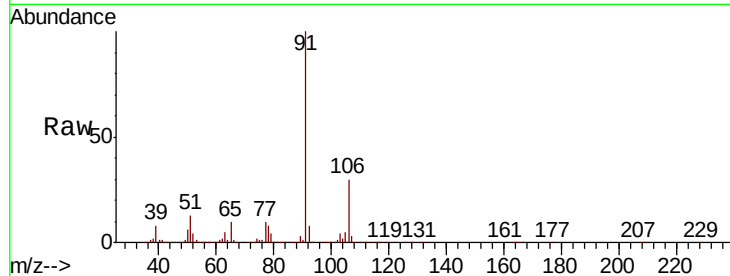




#53
Ethylbenzene
Concen: 27.717 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015085.D
Acq: 02 Mar 2020 11:26

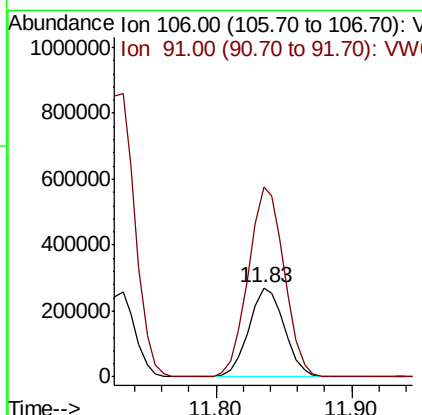
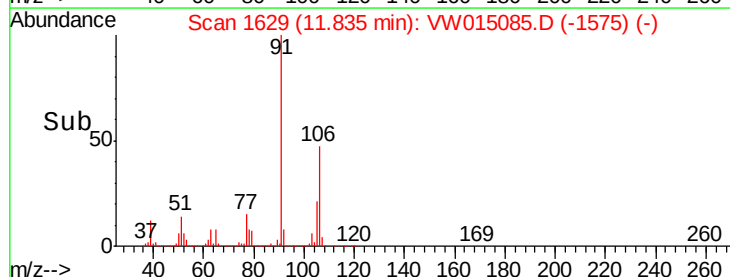
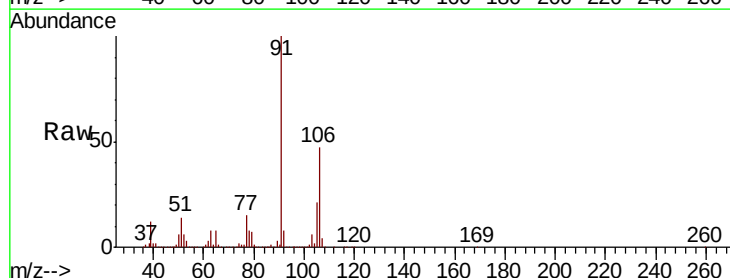
Instrument :
MSVOA_W
ClientSampled :

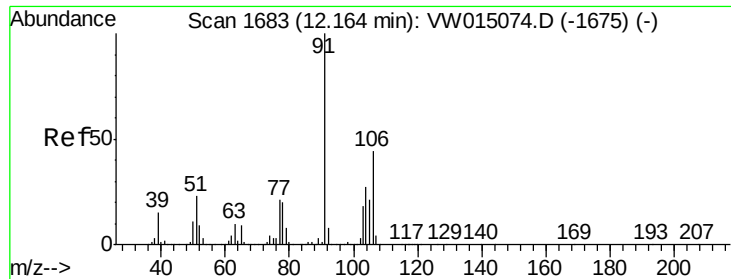
Tot Ion: 91 Resp: 1405281
Ion Ratio Lower Upper
91 100
106 30.0 20.1 37.3



#54
m,p-Xylene
Concen: 27.876 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015085.D
Acq: 02 Mar 2020 11:26

Tgt Ion: 106 Resp: 494492
Ion Ratio Lower Upper
106 100
91 212.5 151.4 281.2





#55

o-xylene

Concen: 27.713 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

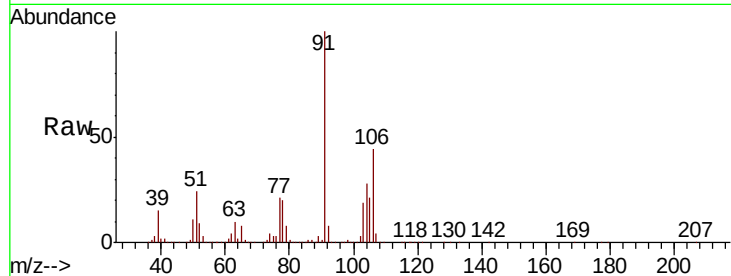
ClientSampled :

Tot Ion:106 Resp: 458053

Ion Ratio Lower Upper

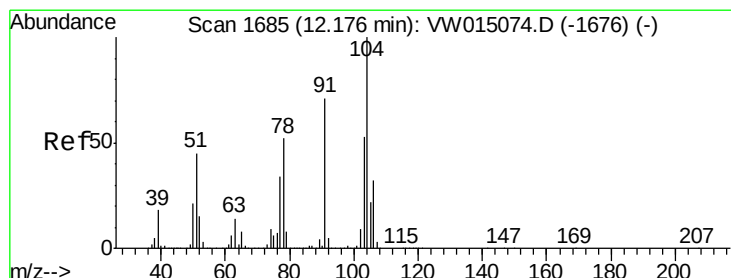
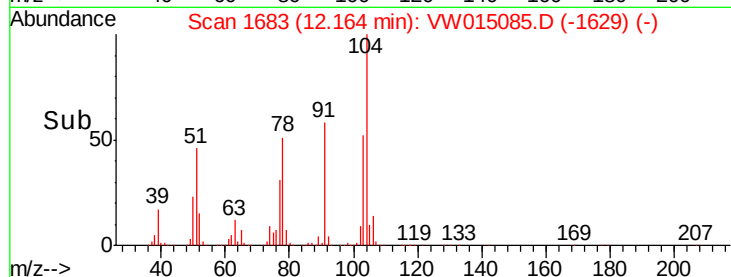
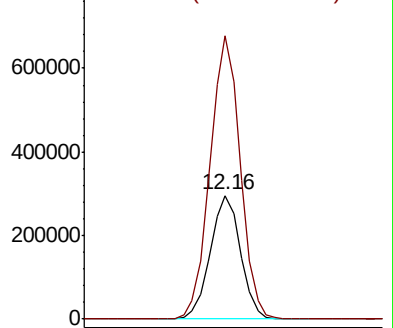
106 100

91 228.6 162.5 301.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.188 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015085.D

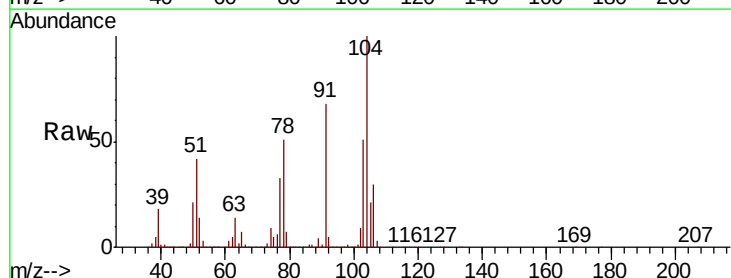
Acq: 02 Mar 2020 11:26

Tgt Ion:104 Resp: 797984

Ion Ratio Lower Upper

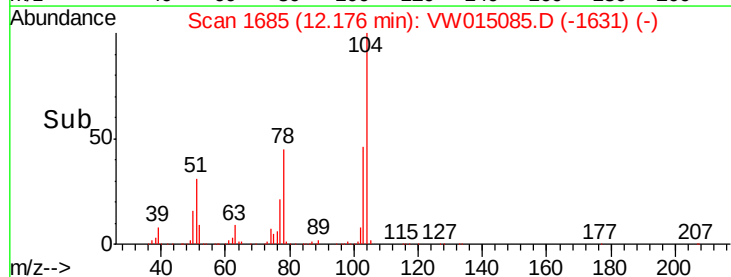
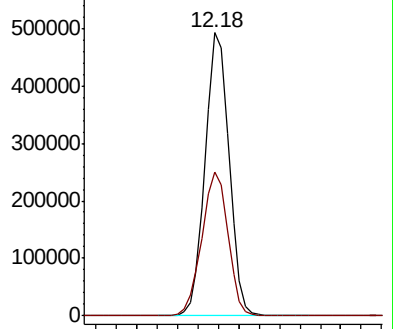
104 100

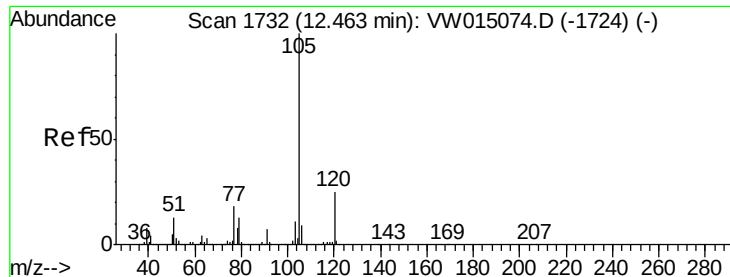
78 50.8 35.6 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.595 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

ClientSampled :

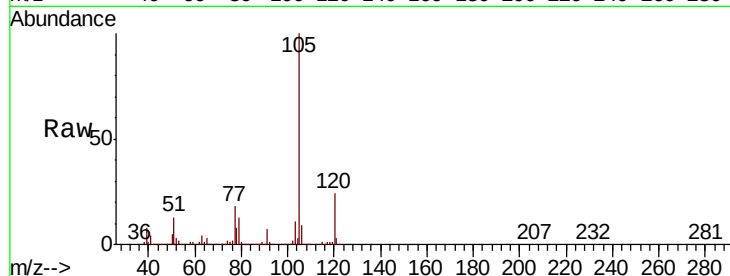
Tot Ion:105 Resp: 1287156

Ion Ratio Lower Upper

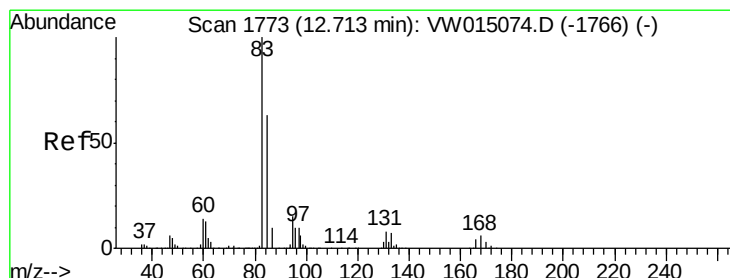
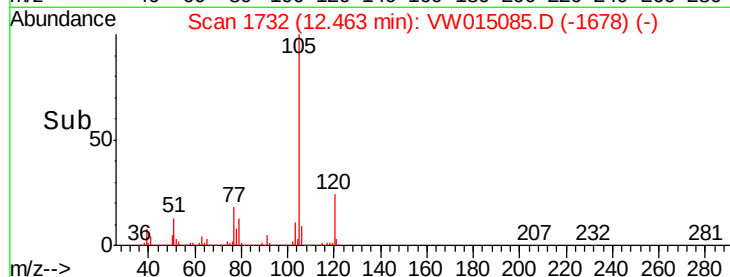
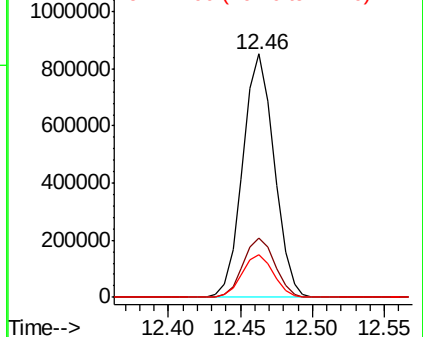
105 100

120 24.8 19.8 29.8

77 17.8 14.4 21.6



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: 26.569 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

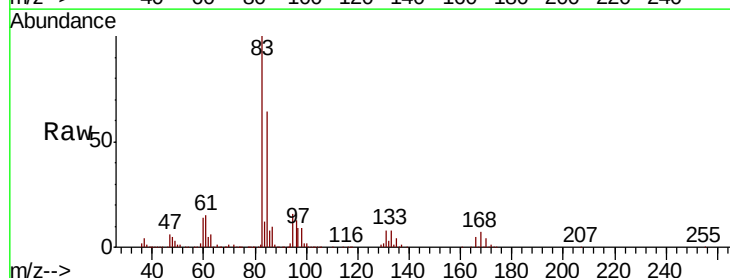
Tgt Ion: 83 Resp: 250382

Ion Ratio Lower Upper

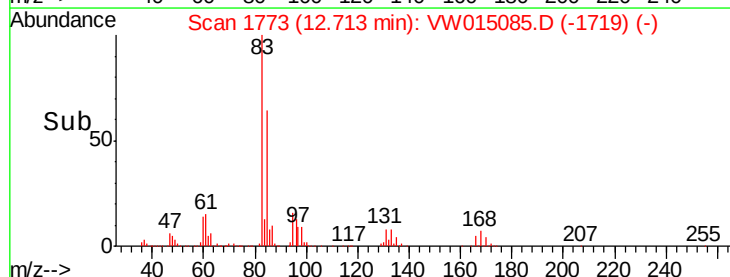
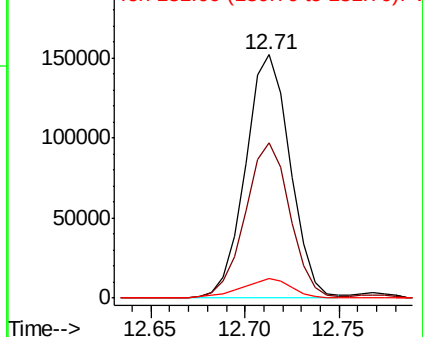
83 100

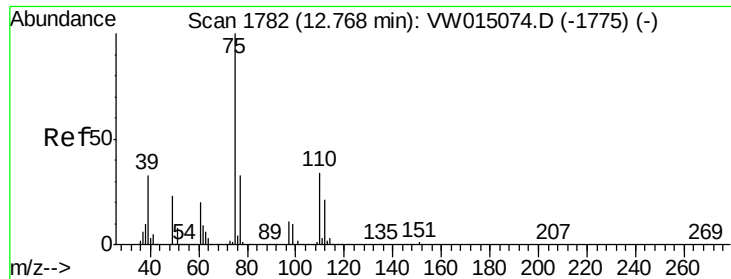
85 64.0 44.2 82.0

131 8.1 6.3 9.5



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: 25.909 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

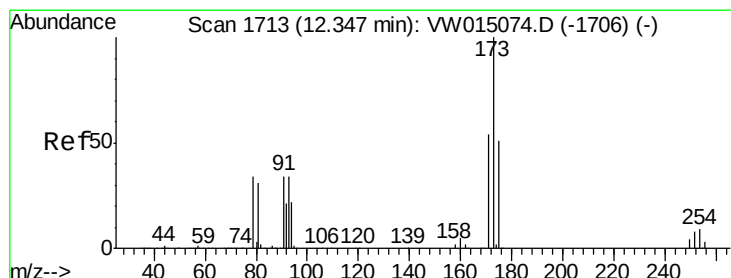
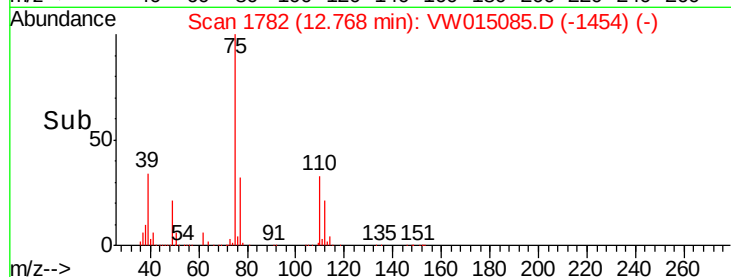
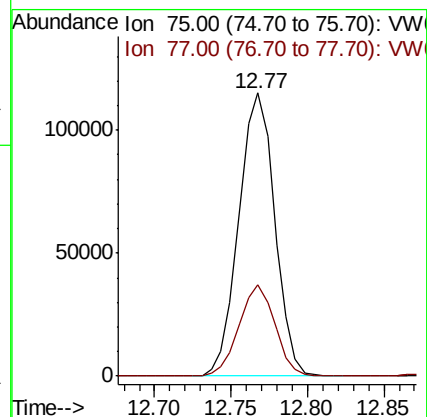
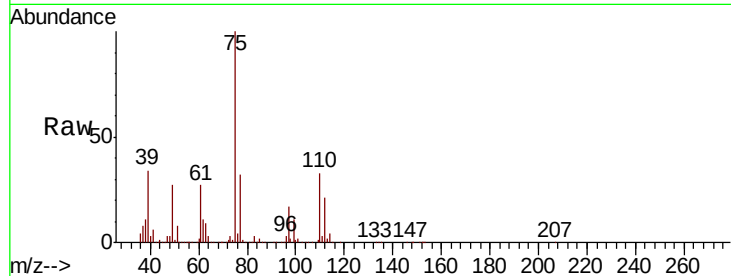
ClientSampled :

Tot Ion: 75 Resp: 187661

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0



#62

Bromoform

Concen: 25.980 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

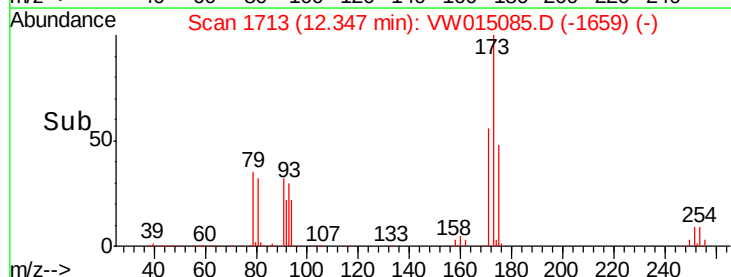
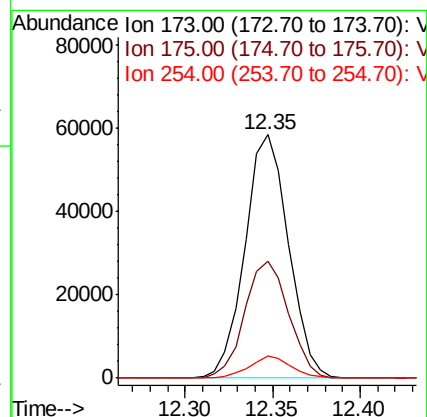
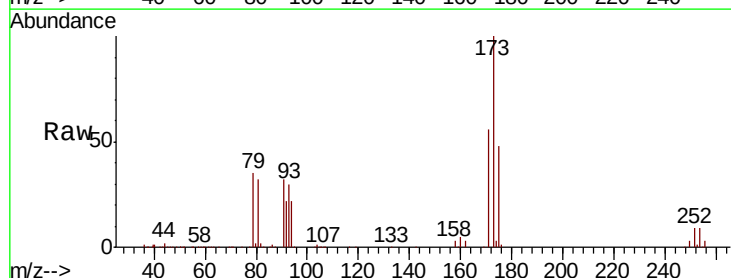
Tgt Ion: 173 Resp: 101064

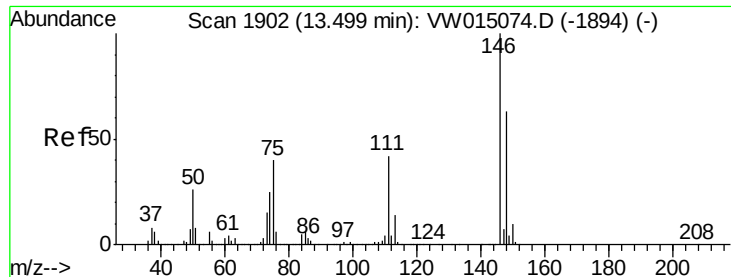
Ion Ratio Lower Upper

173 100

175 48.5 38.7 58.1

254 8.6 7.0 10.4

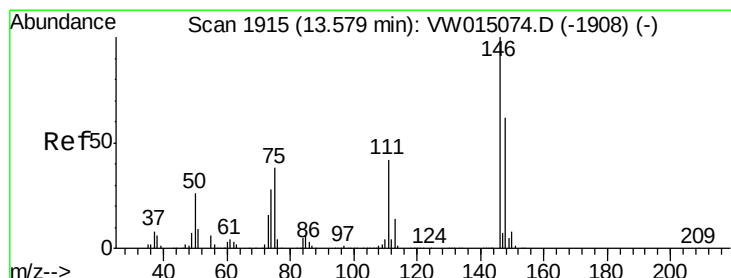
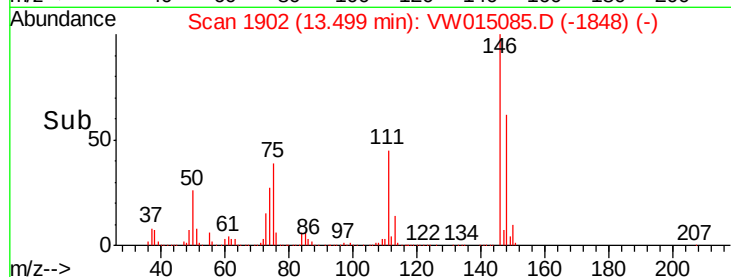
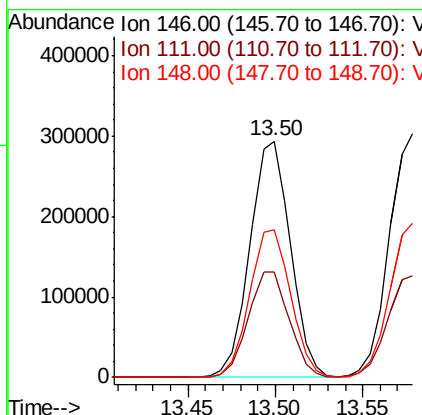
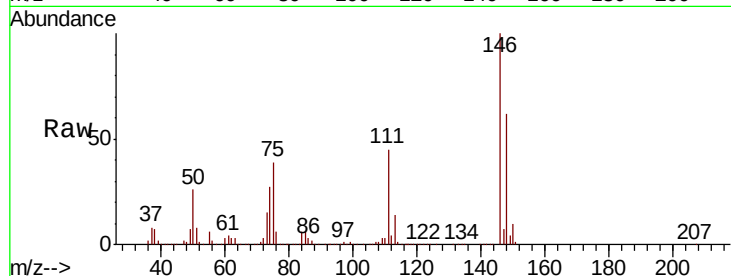




#63
 1,3-Dichlorobenzene
 Concen: 26.237 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

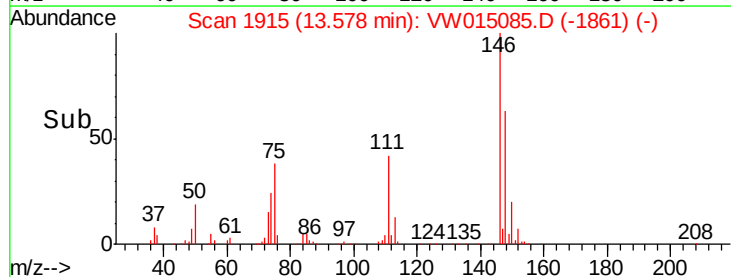
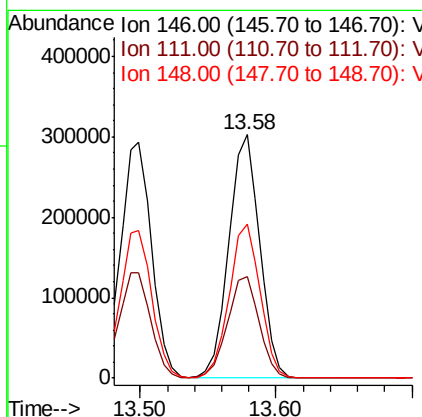
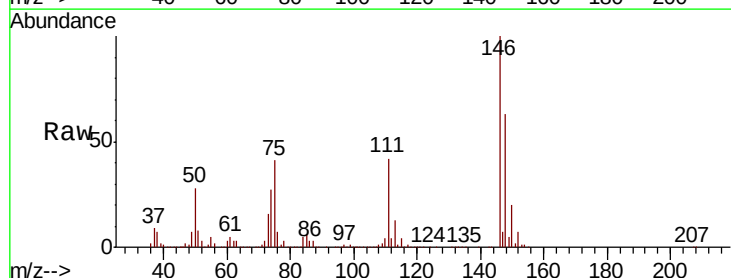
Instrument :
 MSVOA_W
 ClientSampleId :

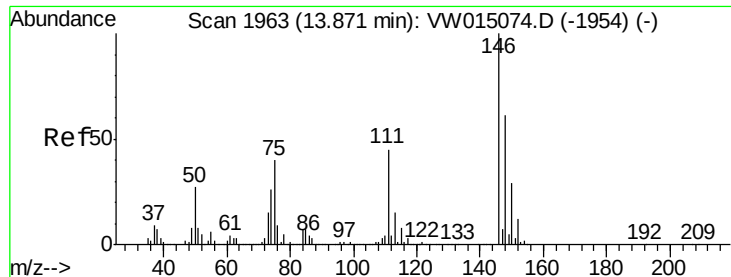
Tot Ion:146 Resp: 473721
 Ion Ratio Lower Upper
 146 100
 111 44.6 30.9 57.3
 148 62.4 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 25.619 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion:146 Resp: 476238
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.9 55.5
 148 63.3 46.1 85.5





#65

1,2-Dichlorobenzene

Concen: 26.168 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

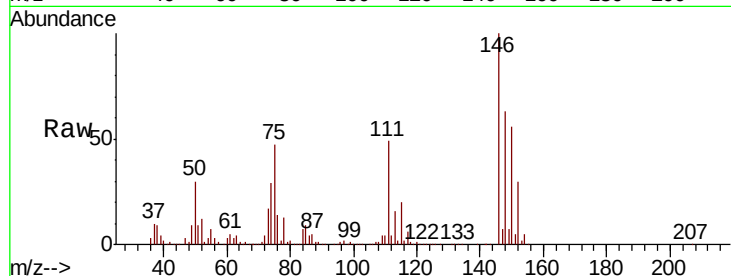
Tot Ion:146 Resp: 427887

Ion Ratio Lower Upper

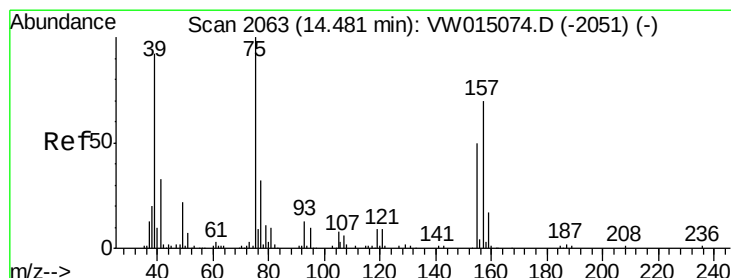
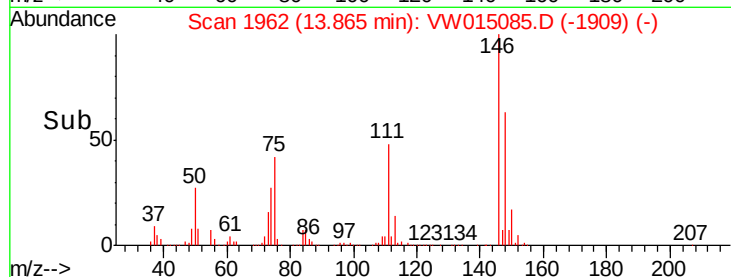
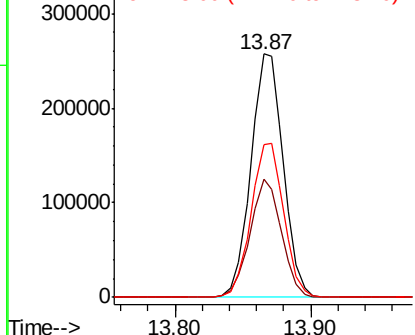
146 100

111 48.5 37.7 56.5

148 62.7 50.0 75.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.829 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

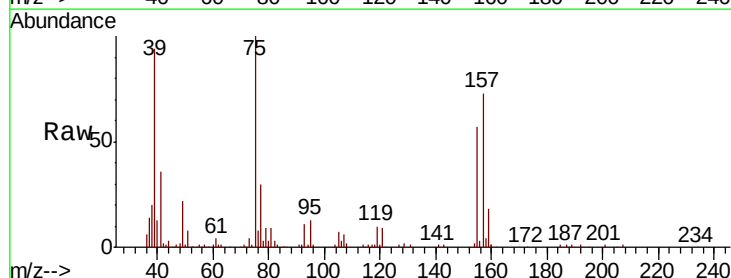
Tgt Ion: 75 Resp: 35843

Ion Ratio Lower Upper

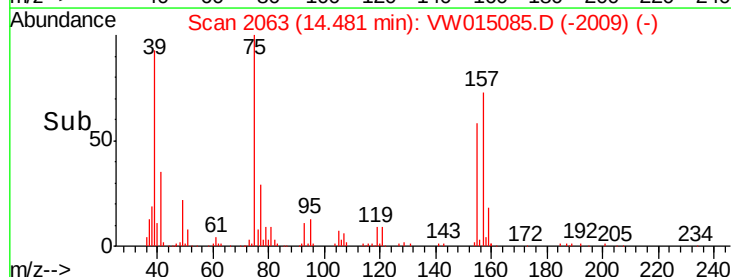
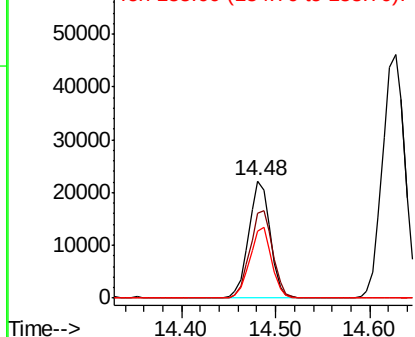
75 100

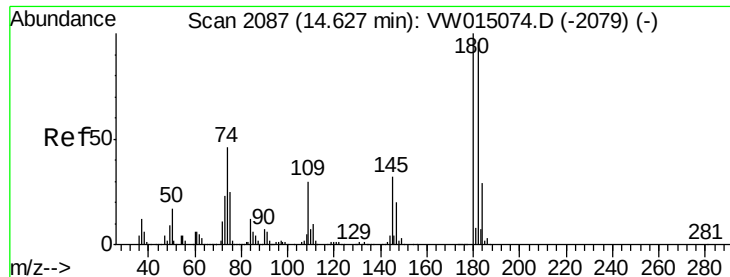
157 72.8 61.4 92.0

155 57.4 45.0 67.6



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

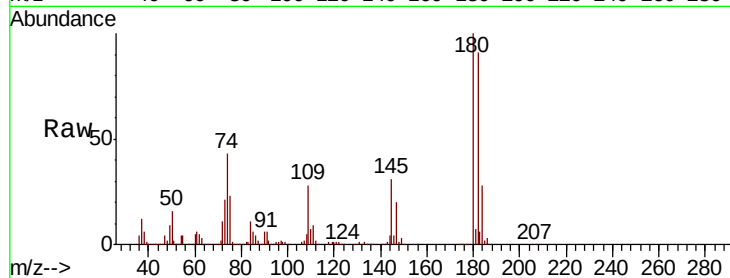




#67
 1,3,5-Trichlorobenzene
 Concen: 25.589 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.4	113.0
184	29.8	23.9	35.9
145	31.9	25.4	38.2



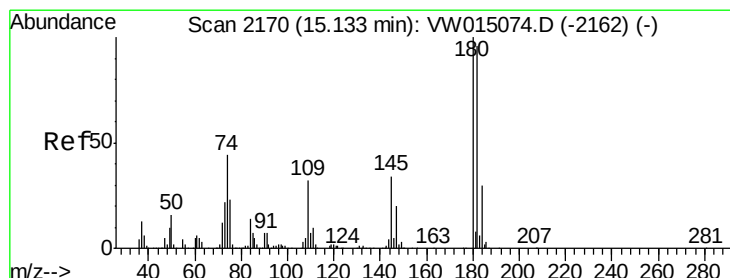
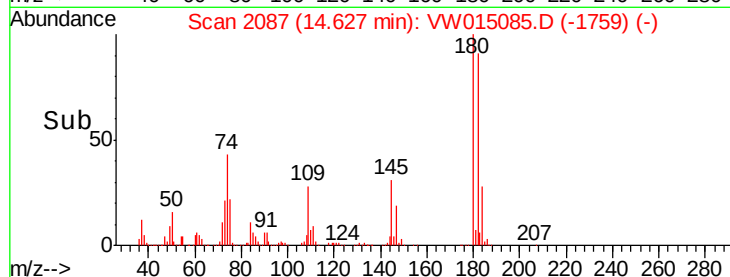
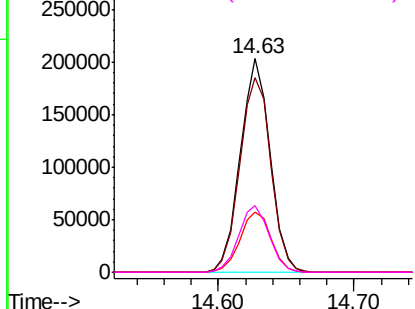
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

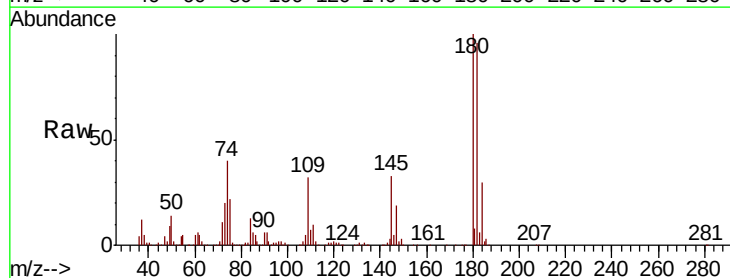
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.053 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015085.D
 Acq: 02 Mar 2020 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.7	113.5
145	32.7	25.9	38.9

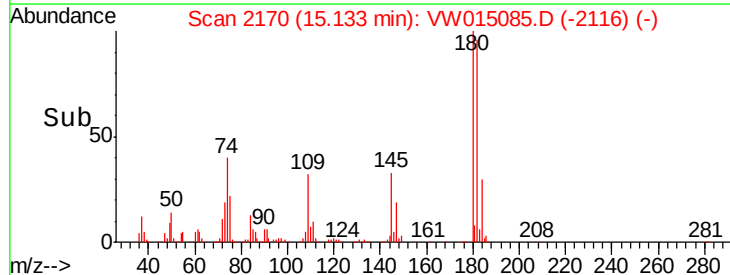
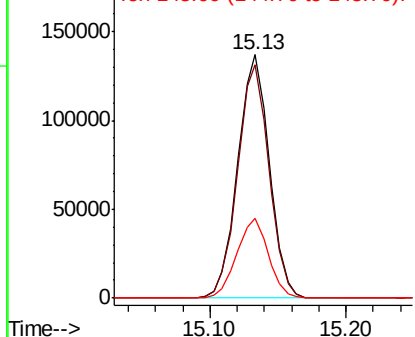


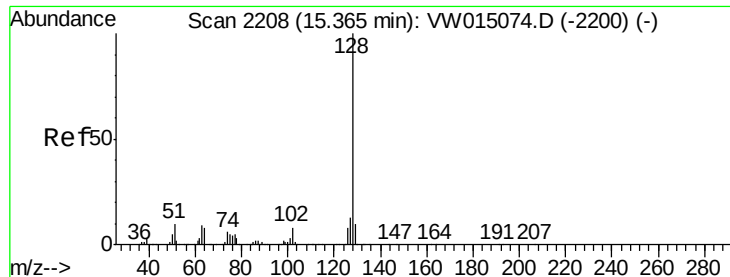
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.062 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

Instrument :

MSVOA_W

ClientSampleId :

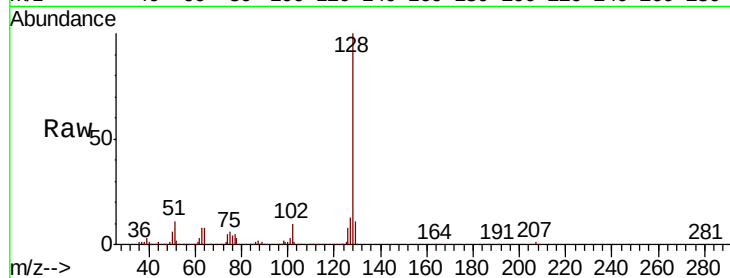
Tot Ion:128 Resp: 196874

Ion Ratio Lower Upper

128 100

129 11.7 8.9 13.3

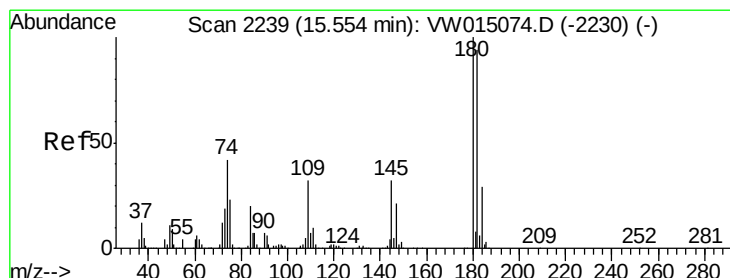
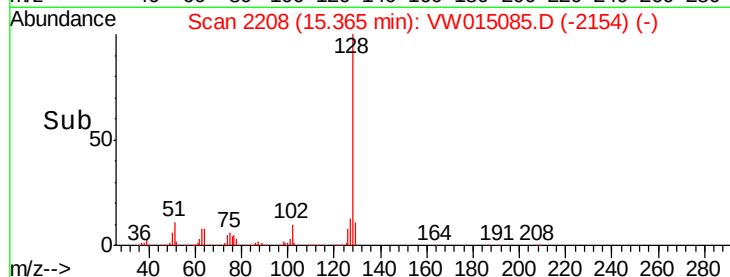
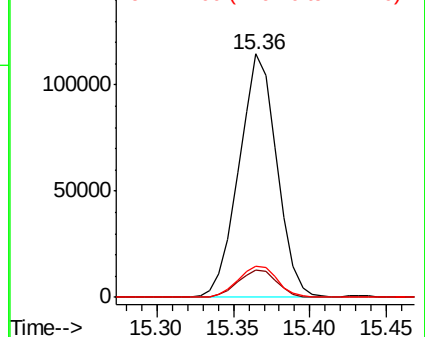
127 13.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.319 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015085.D

Acq: 02 Mar 2020 11:26

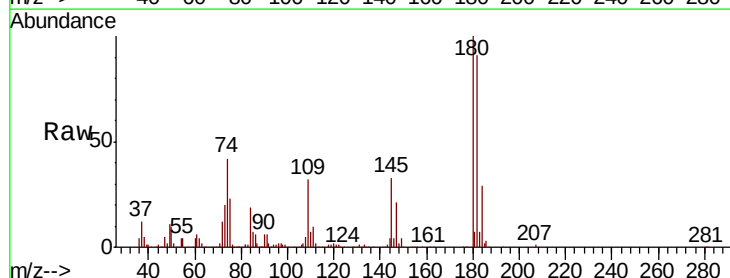
Tgt Ion:180 Resp: 201090

Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

145 33.8 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

