

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040320\
 Data File : VW015155.D
 Acq On : 03 Apr 2020 19:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Quant Time: Apr 03 23:55:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 23:41:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	555032	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	510516	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	228088	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	217464	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.76%
7) Chloroethane-d5	2.89	69	199201	25.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.80%
10) 1,1-Dichloroethene-d2	4.03	63	434213	22.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.16%
20) 2-Butanone-d5	7.07	46	163510	74.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	149.88%#
24) Chloroform-d	7.65	84	392411	23.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.64%
26) 1,2-Dichloroethane-d4	8.31	65	246639	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.72%
29) Benzene-d6	8.27	84	751686	23.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.04%
33) 1,2-Dichloropropane-d6	9.27	67	252399	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.00%
37) Toluene-d8	10.32	98	663255	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	10.57	79	105556	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.64%
39) 2-Hexanone-d5	10.92	63	114728	71.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	143.12%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	224229	30.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	120.80%#
61) 1,2-Dichlorobenzene-d4	13.85	152	189951	23.93	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	107301	24.849	ug/L	97
3) Chloromethane	2.21	50	169270	21.199	ug/L	97
5) Vinyl chloride	2.37	62	263459	23.681	ug/L	100
6) Bromomethane	2.78	94	152877	24.894	ug/L	100
8) Chloroethane	2.93	64	172142	25.416	ug/L	97
9) Trichlorofluoromethane	3.26	101	138143	22.185	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	208036	24.014	ug/L	99
12) 1,1-Dichloroethene	4.05	96	190605	23.185	ug/L	97
13) Acetone	4.13	43	127844	65.653	ug/L	99
14) Carbon disulfide	4.39	76	687691	22.488	ug/L	99
15) Methyl Acetate	4.68	43	147425	32.050	ug/L	98
16) Methylene chloride	4.92	84	219415	23.129	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	289587	27.128	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	197537	23.118	ug/L	99
19) 1,1-Dichloroethane	6.21	63	426707	23.304	ug/L	98
21) 2-Butanone	7.17	43	192083	69.645	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	200988	23.686	ug/L	97

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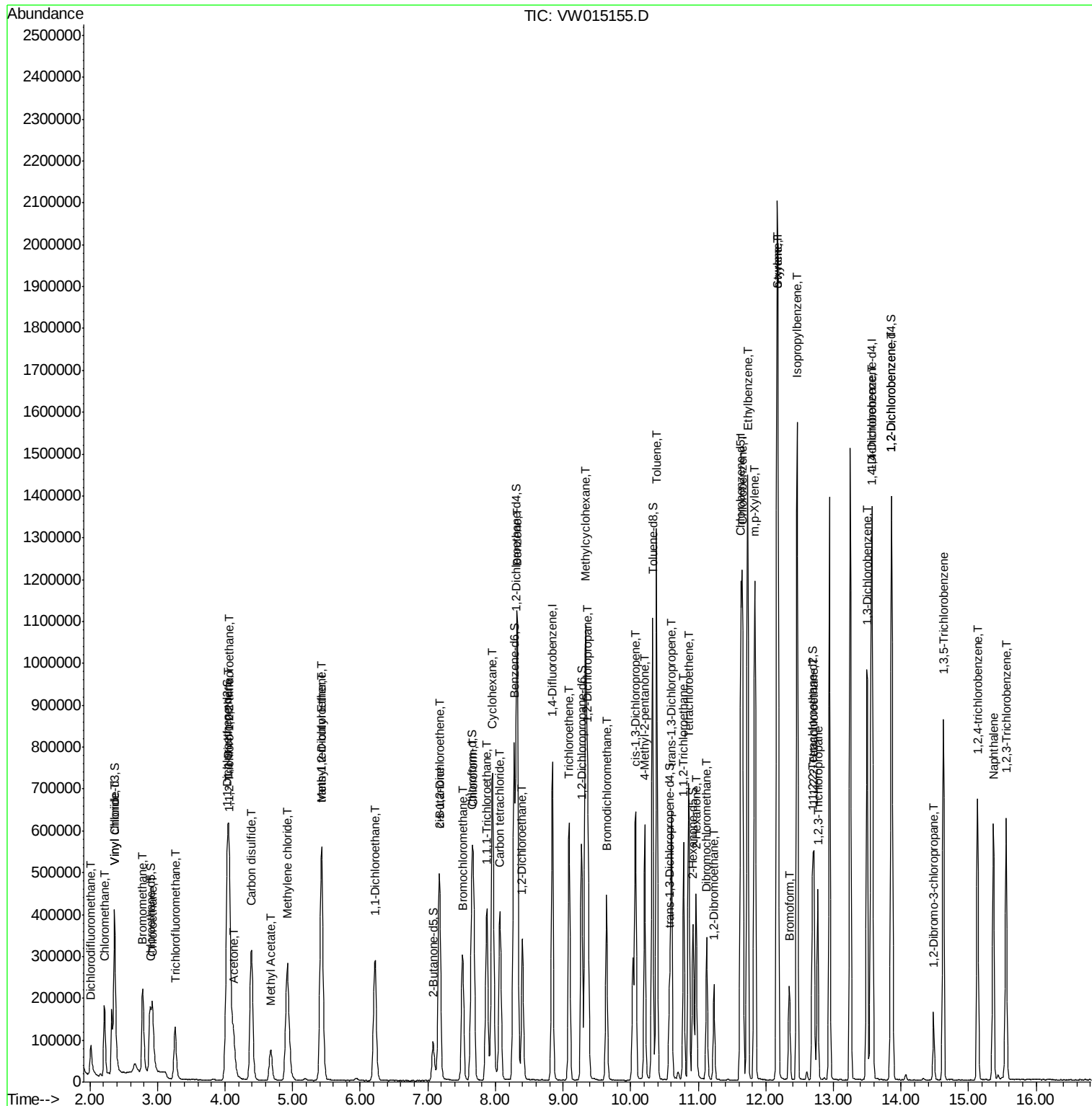
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86793	24.913	ug/L	99
25) Chloroform	7.68	83	390480	23.606	ug/L	100
27) 1,2-Dichloroethane	8.40	62	308516	25.970	ug/L	99
30) Cyclohexane	7.96	56	403225	24.207	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	312830	23.325	ug/L	100
32) Carbon tetrachloride	8.07	117	274513	23.592	ug/L	99
34) Benzene	8.32	78	893951	23.670	ug/L	100
35) Trichloroethene	9.09	95	209988	22.840	ug/L	99
36) Methylcyclohexane	9.34	83	378225	23.946	ug/L	100
40) 1,2-Dichloropropane	9.37	63	244889	23.512	ug/L	100
41) Bromodichloromethane	9.64	83	284905	24.042	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	338068	24.704	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	410089	69.592	ug/L	99
44) Toluene	10.38	91	892089	23.888	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	313921	26.233	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	160900	26.280	ug/L	98
47) Tetrachloroethene	10.86	164	133008	22.417	ug/L	98
49) 2-Hexanone	10.97	43	302197	76.895	ug/L	99
50) Dibromochloromethane	11.13	129	162806	25.865	ug/L	99
51) 1,2-Dibromoethane	11.23	107	147335	27.173	ug/L	99
52) Chlorobenzene	11.65	112	506558	23.206	ug/L	97
53) Ethylbenzene	11.73	91	964917	23.921	ug/L	98
54) m,p-Xylene	11.84	106	340673	24.090	ug/L	94
55) o-xylene	12.16	106	329315	24.840	ug/L	100
56) Styrene	12.18	104	569771	25.252	ug/L	95
57) Isopropylbenzene	12.46	105	906487	24.817	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	230445	30.073	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	176614	30.813	ug/L	98
62) Bromoform	12.35	173	90187	27.198	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	344231	23.028	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	348597	22.792	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	331044	24.334	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	40814	31.496	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	221045	22.969	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	176303	24.306	ug/L	98
69) Naphthalene	15.36	128	454616	32.235	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	179492	26.629	ug/L	99

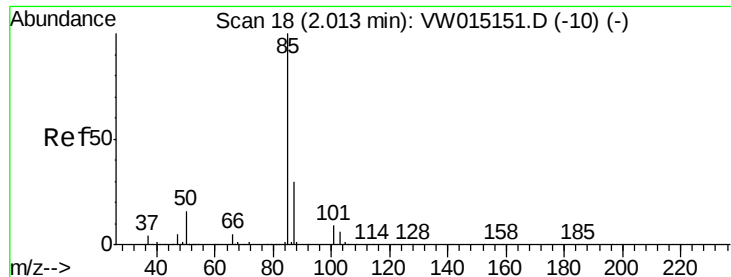
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.849 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

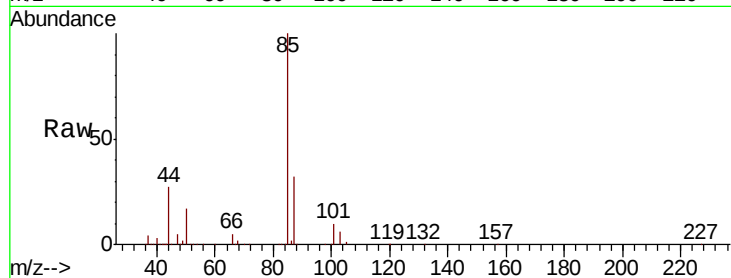
VSTD02520

Tot Ion: 85 Resp: 107301

Ion Ratio Lower Upper

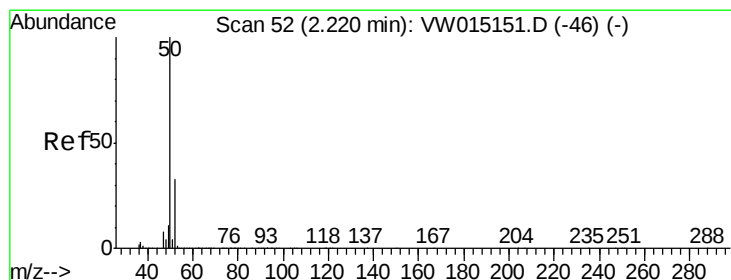
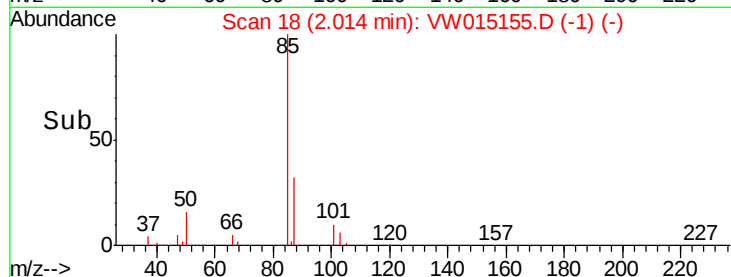
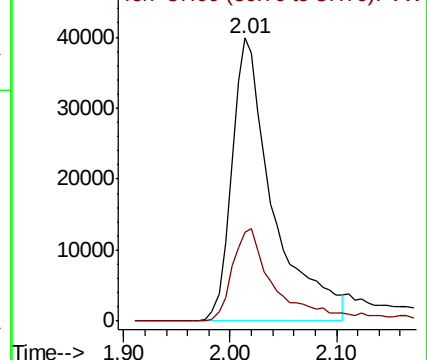
85 100

87 31.9 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.199 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW015155.D

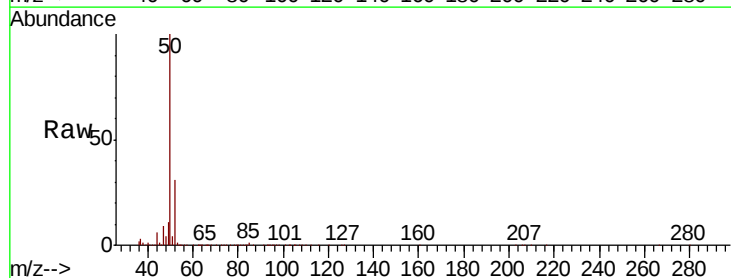
Acq: 03 Apr 2020 19:04

Tgt Ion: 50 Resp: 169270

Ion Ratio Lower Upper

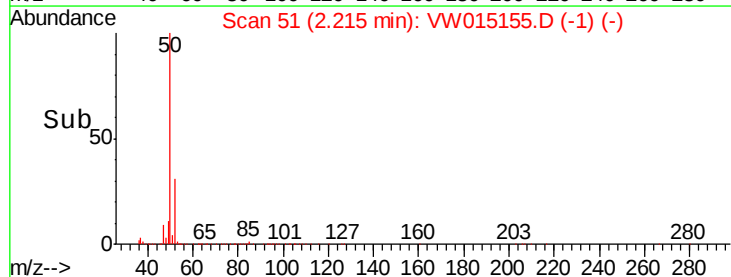
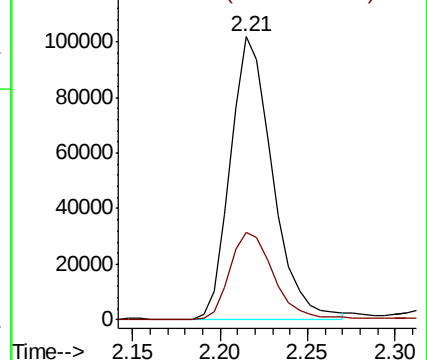
50 100

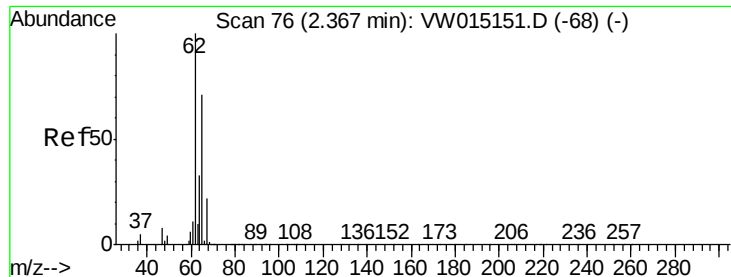
52 31.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.681 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

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ClientSampleId :

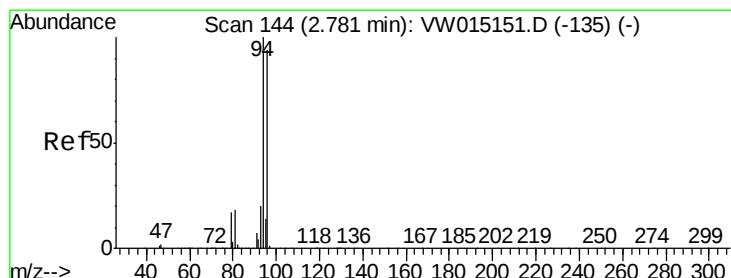
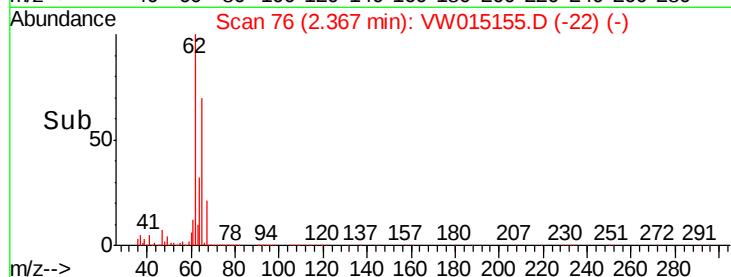
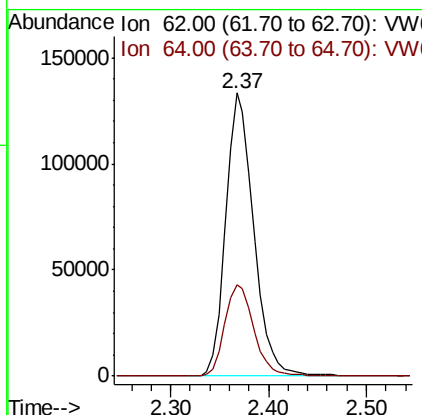
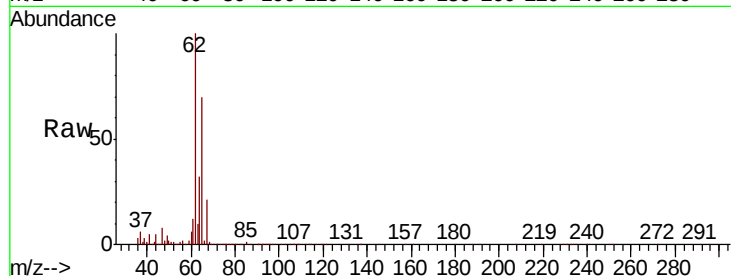
VSTD02520

Tot Ion: 62 Resp: 263459

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.3



#6

Bromomethane

Concen: 24.894 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015155.D

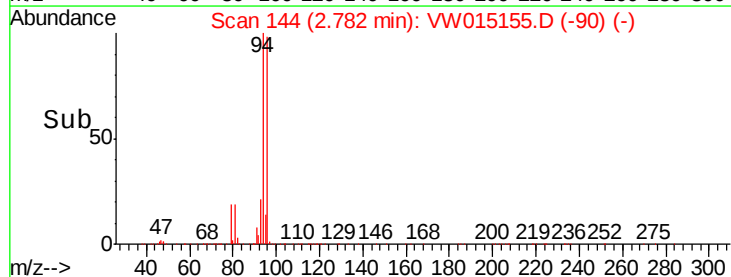
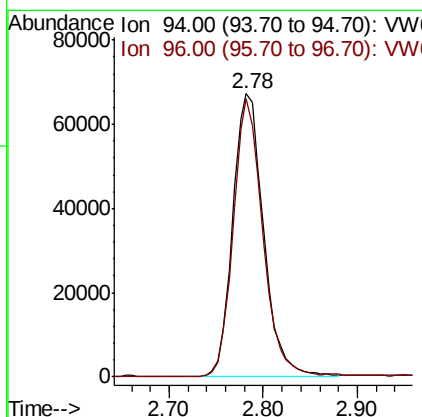
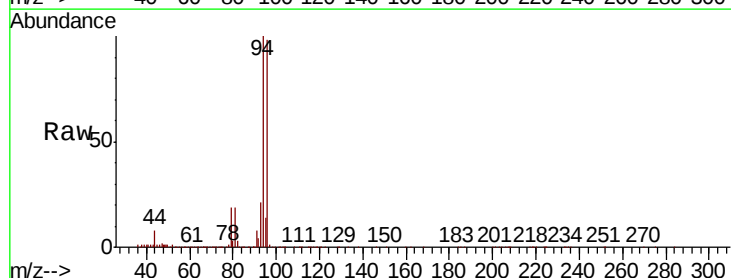
Acq: 03 Apr 2020 19:04

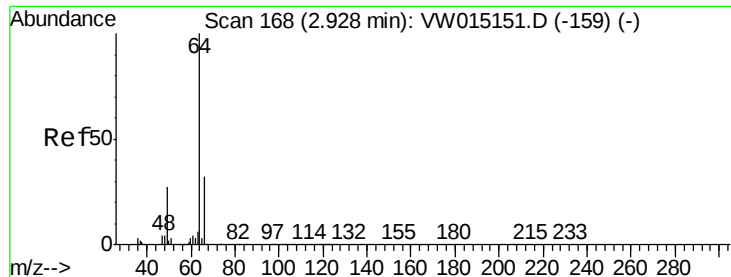
Tgt Ion: 94 Resp: 152877

Ion Ratio Lower Upper

94 100

96 93.6 9.3 177.3





#8

Chloroethane

Concen: 25.416 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

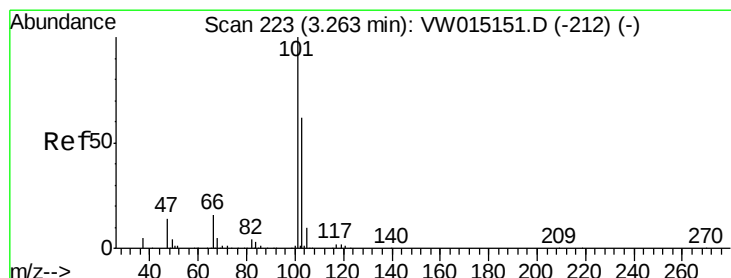
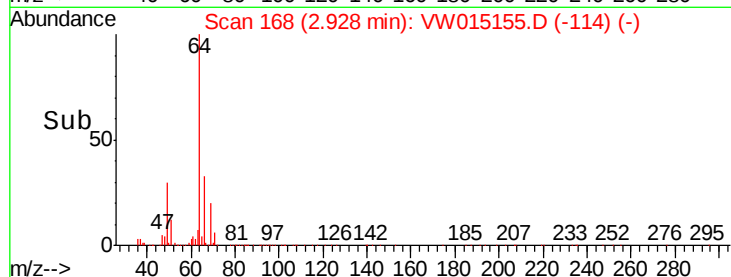
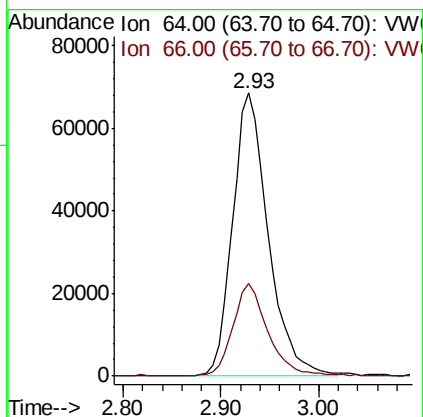
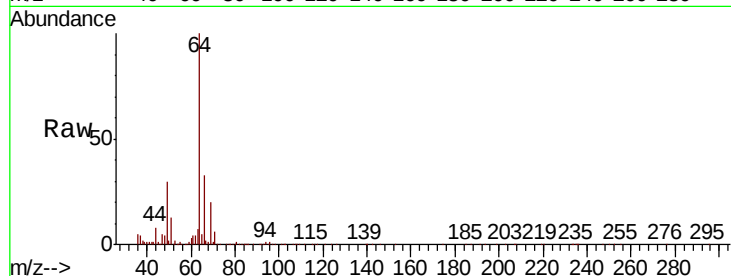
VSTD02520

Tot Ion: 64 Resp: 172142

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.6



#9

Trichlorofluoromethane

Concen: 22.185 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015155.D

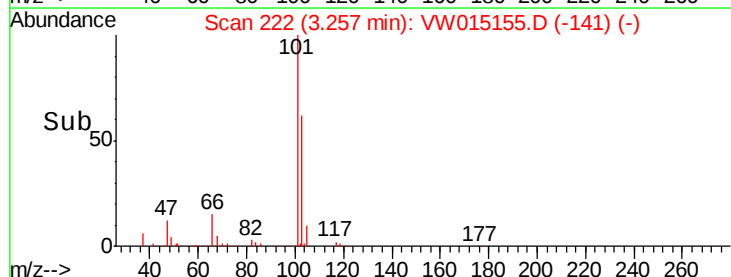
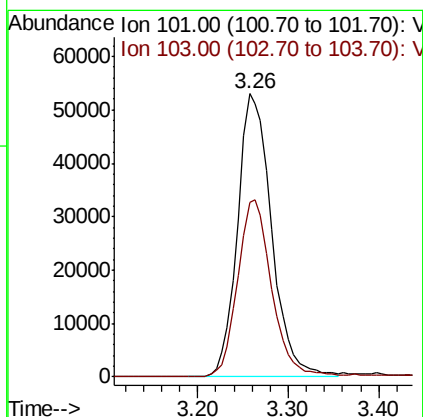
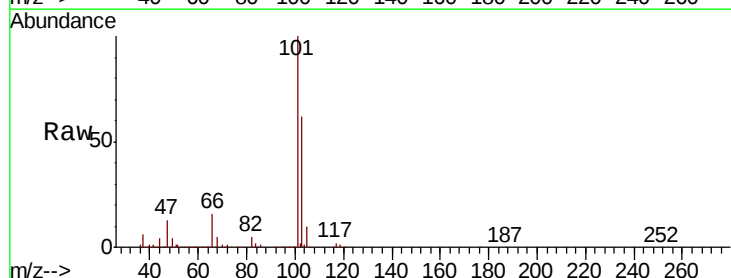
Acq: 03 Apr 2020 19:04

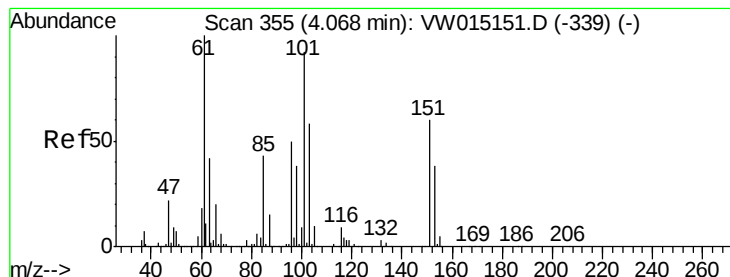
Tgt Ion: 101 Resp: 138143

Ion Ratio Lower Upper

101 100

103 62.5 43.8 81.4





#11

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

Concen: 24.014 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

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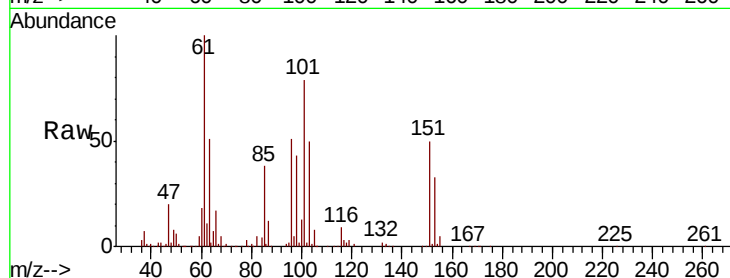
Tot Ion:101 Resp: 208036

Ion Ratio Lower Upper

101 100

85 47.3 37.8 56.6

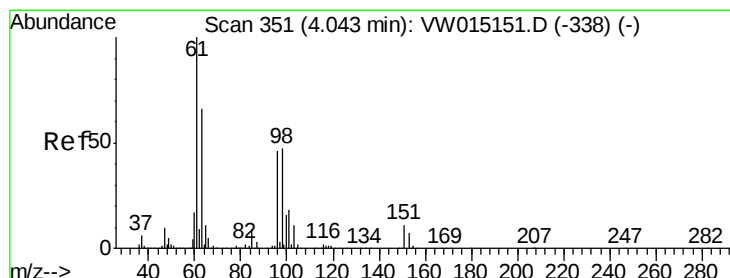
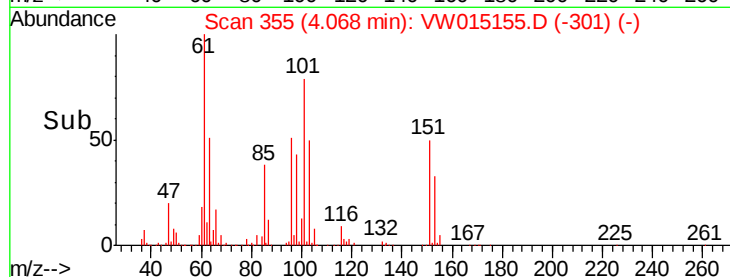
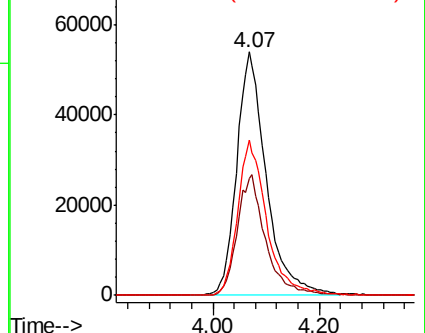
151 61.5 50.2 75.4



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: 23.185 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

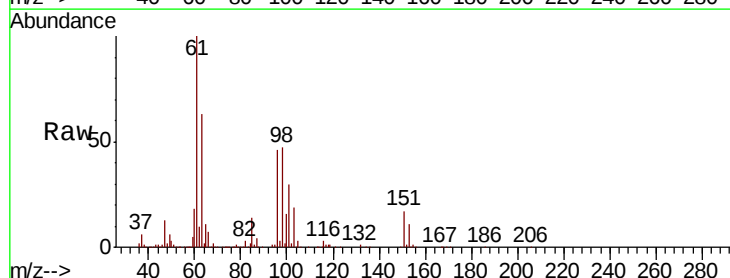
Tgt Ion: 96 Resp: 190605

Ion Ratio Lower Upper

96 100

61 215.4 146.2 271.4

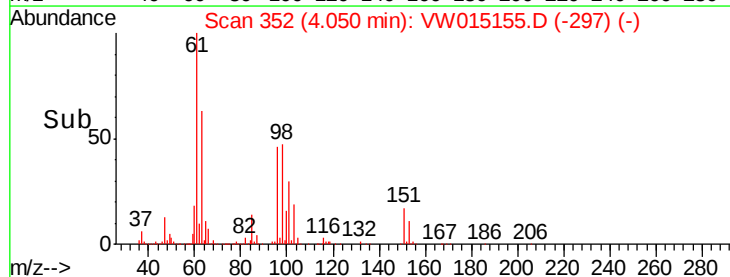
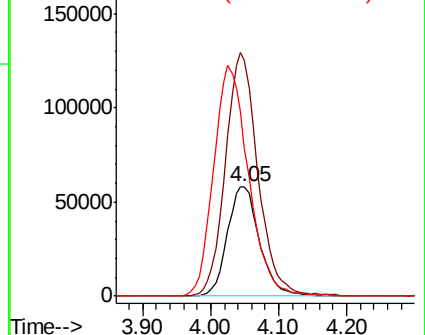
63 134.7 95.0 176.4

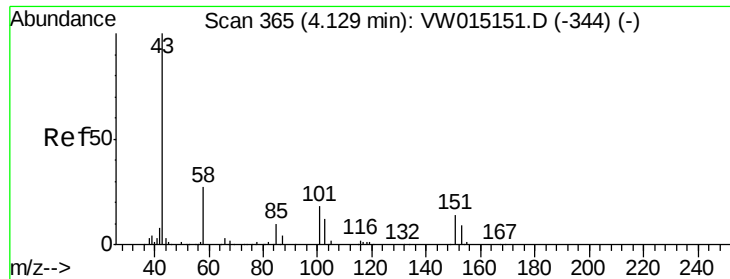


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 65.653 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

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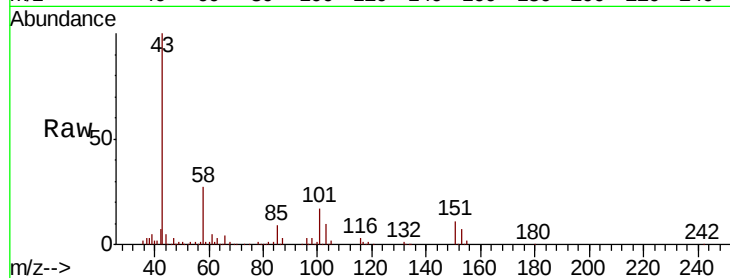
VSTD02520

Tot Ion: 43 Resp: 127844

Ion Ratio Lower Upper

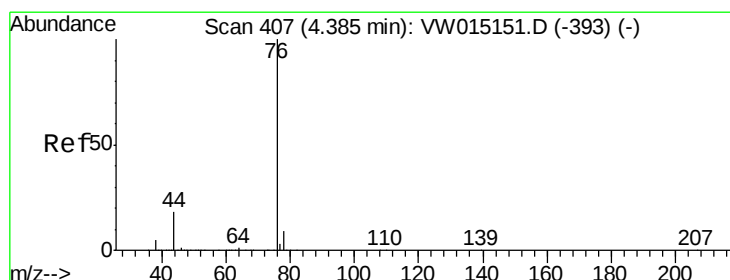
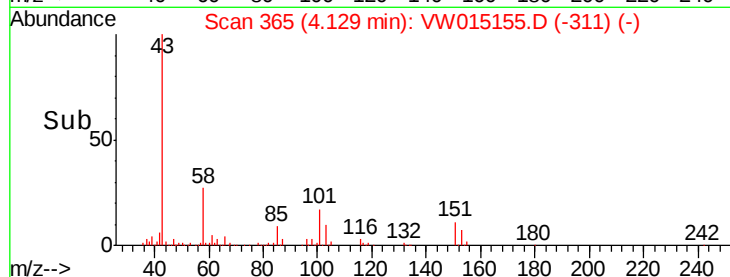
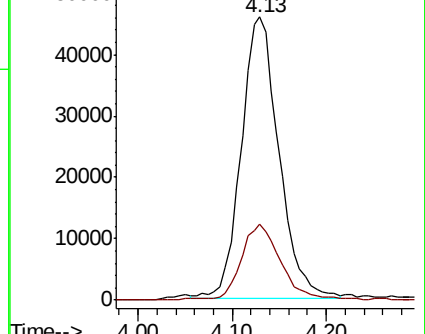
43 100

58 27.7 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.488 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW015155.D

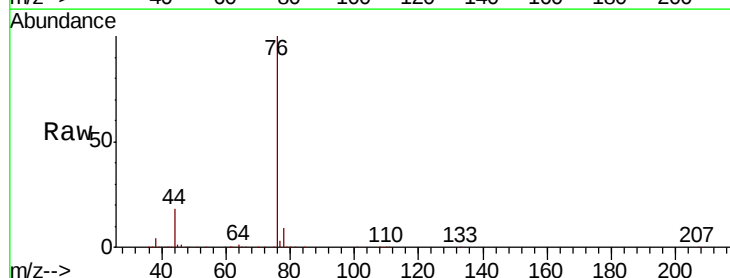
Acq: 03 Apr 2020 19:04

Tgt Ion: 76 Resp: 687691

Ion Ratio Lower Upper

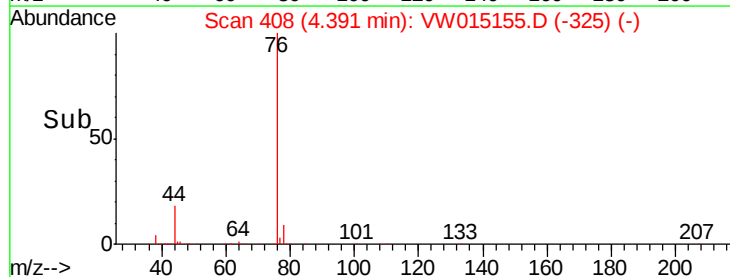
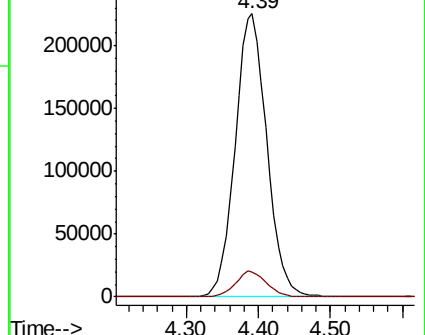
76 100

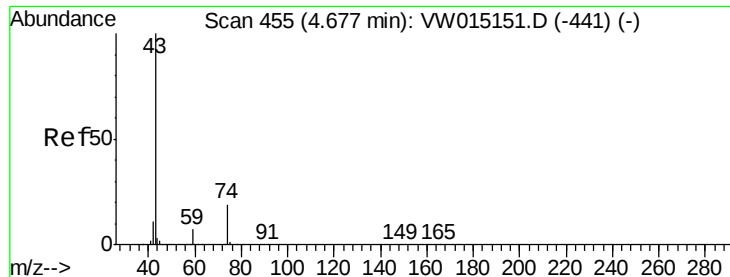
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

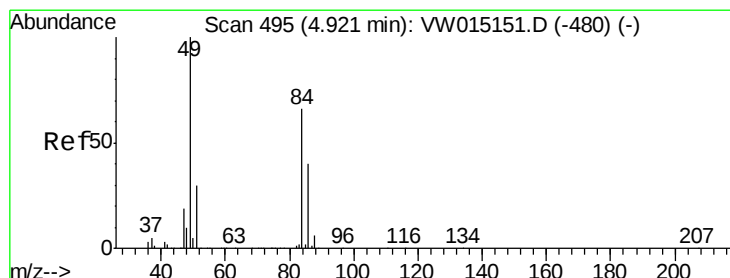
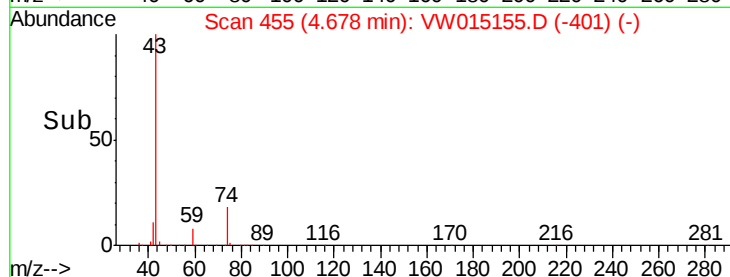
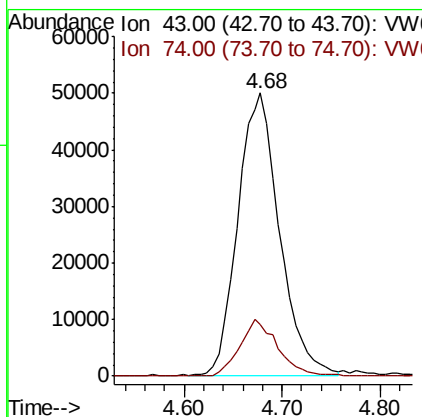
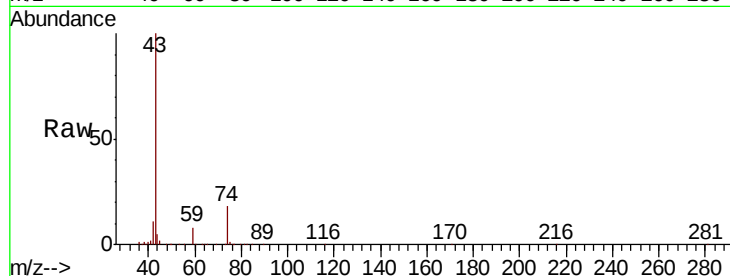




#15
Methvl Acetate
Concen: 32.050 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

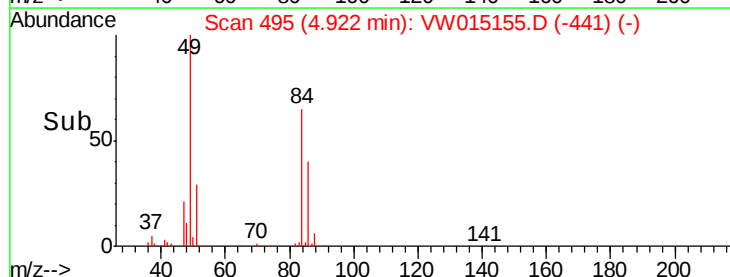
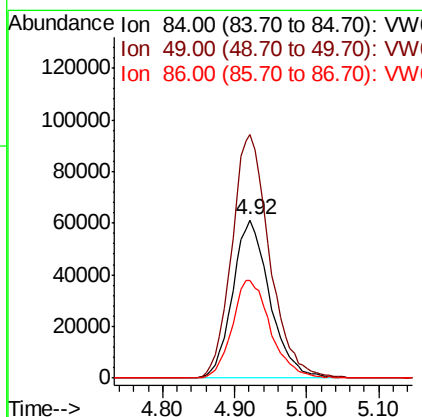
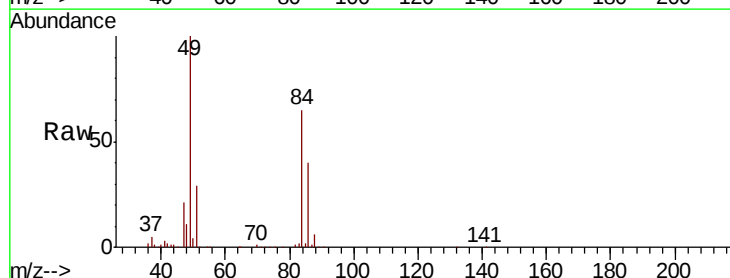
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

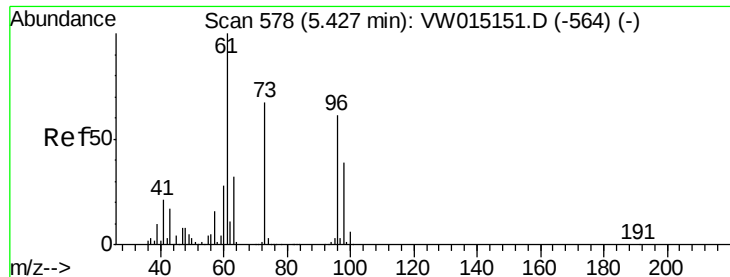
Tot Ion: 43 Resp: 147425
Ion Ratio Lower Upper
43 100
74 18.3 15.5 23.3



#16
Methylene chloride
Concen: 23.129 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

Tgt Ion: 84 Resp: 219415
Ion Ratio Lower Upper
84 100
49 154.2 111.7 207.5
86 61.8 44.7 82.9

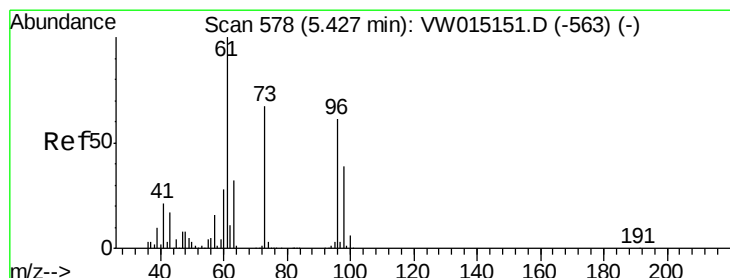
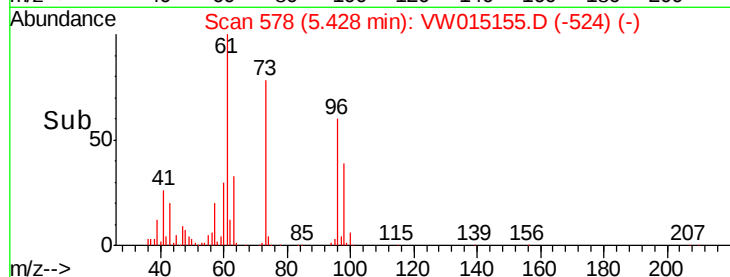
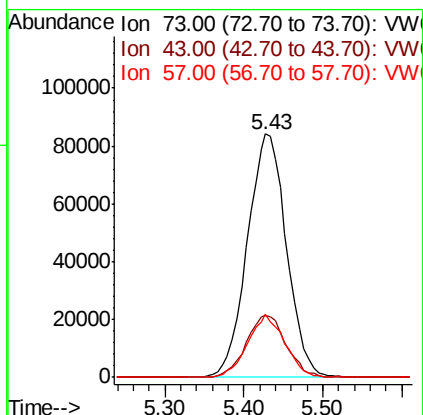
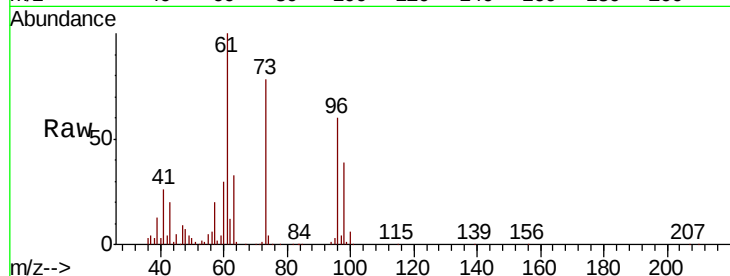




#17
Methvl tert-butvl Ether
Concen: 27.128 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

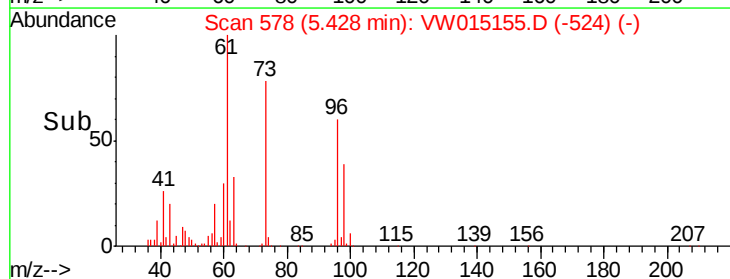
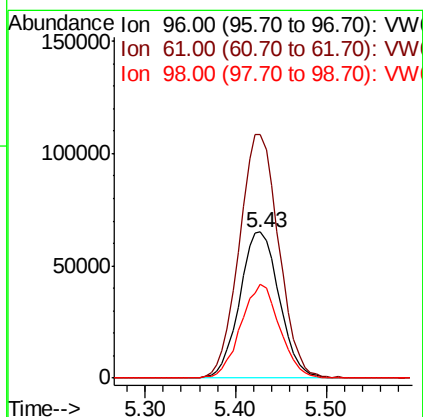
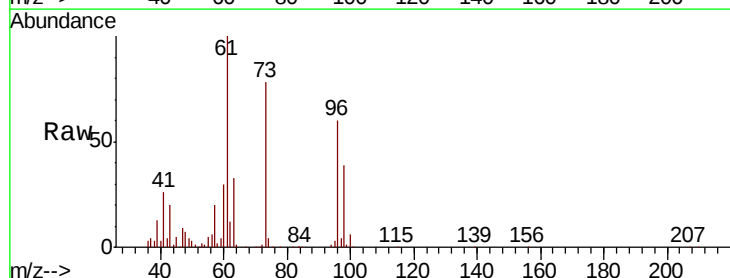
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

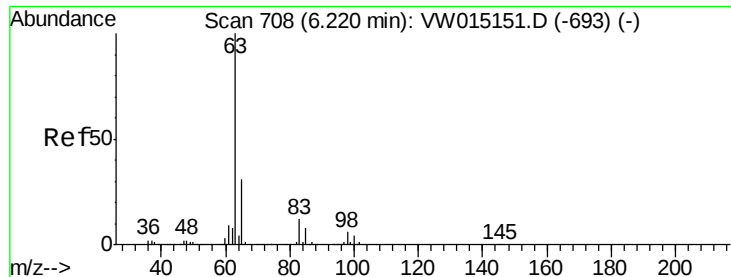
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.9	20.2	30.2
57	24.5	19.7	29.5



#18
trans-1,2-Dichloroethene
Concen: 23.118 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	118.1	219.3
98	64.6	45.8	85.2

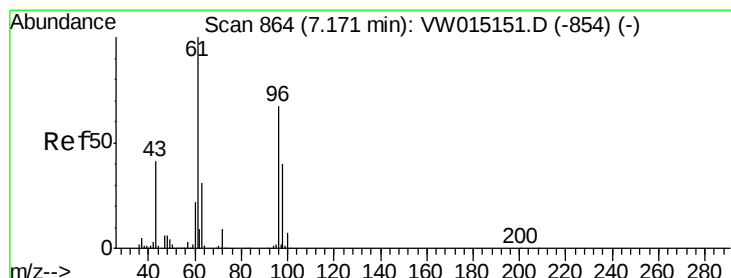
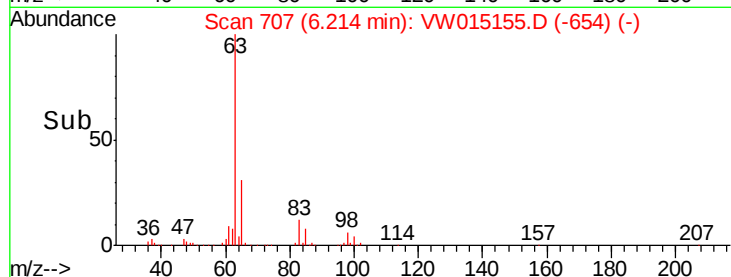
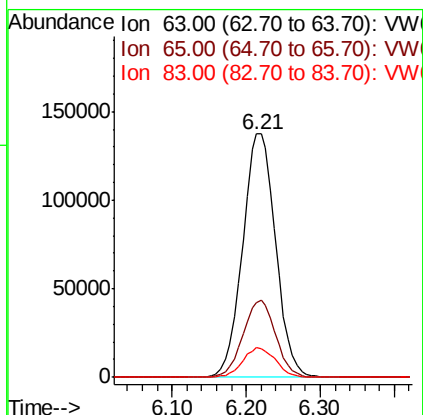
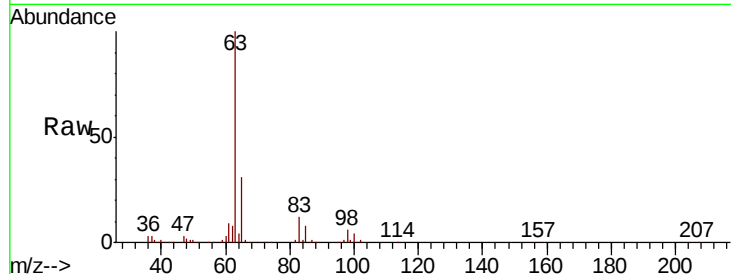




#19
 1,1-Dichloroethane
 Concen: 23.304 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

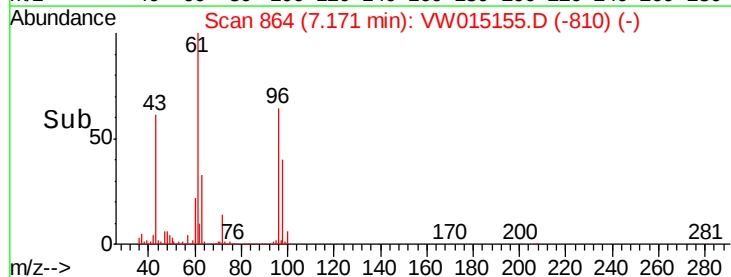
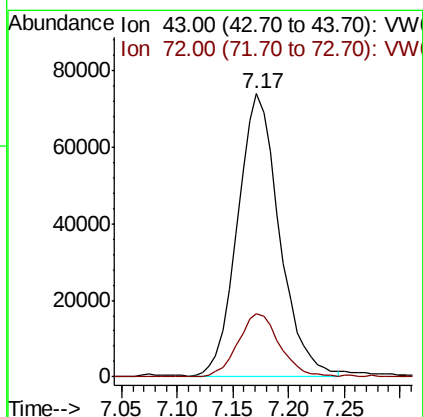
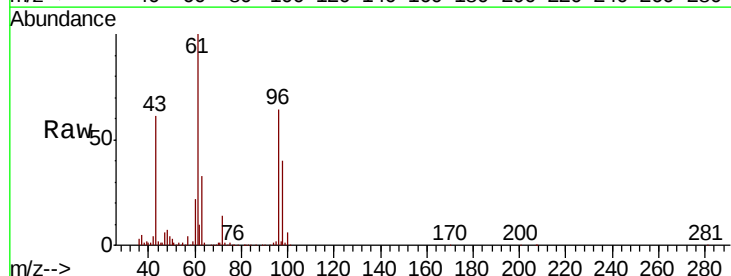
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

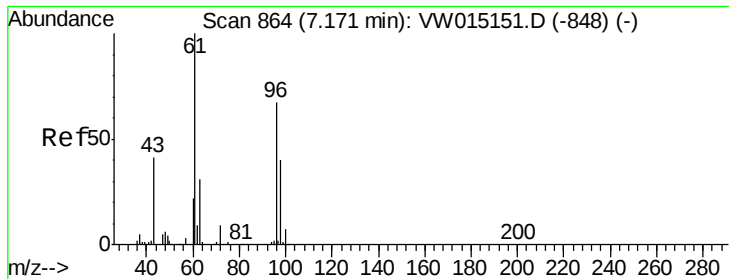
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	20.6	38.4
83	12.5	8.1	15.1



#21
 2-Butanone
 Concen: 69.645 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	11.7	35.0



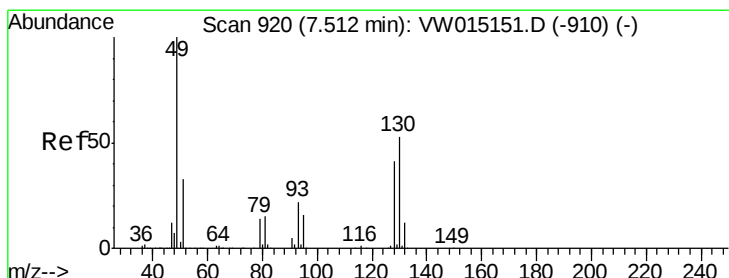
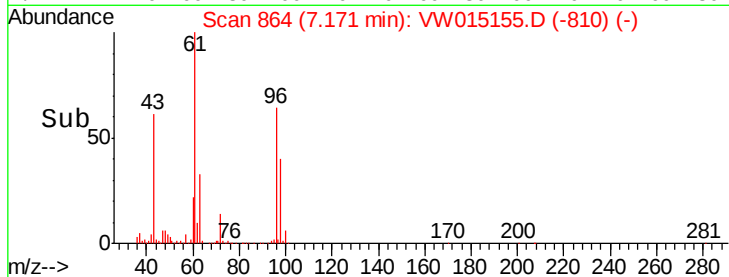
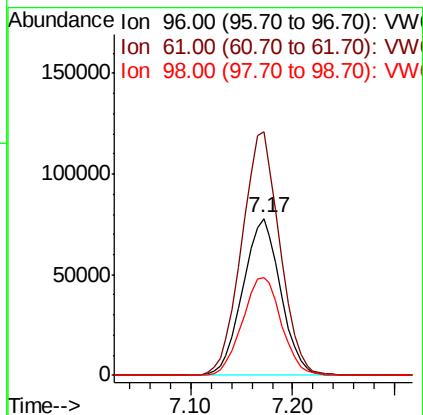
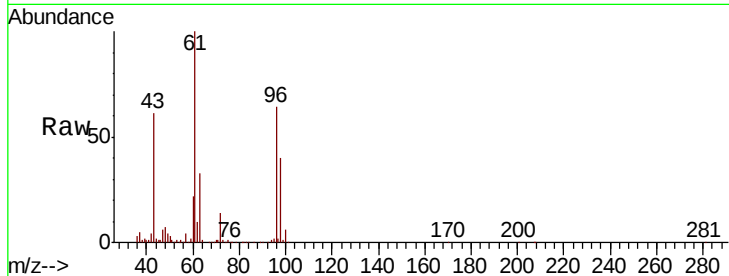


#22

cis-1,2-Dichloroethene
 Concen: 23.686 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

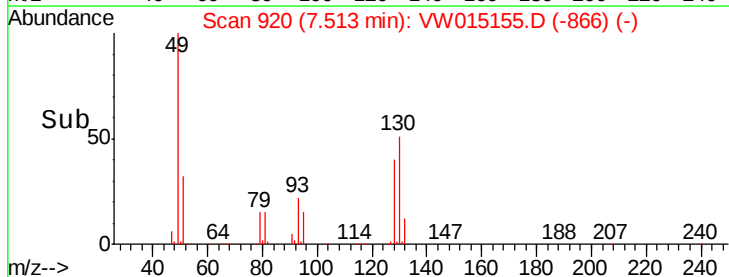
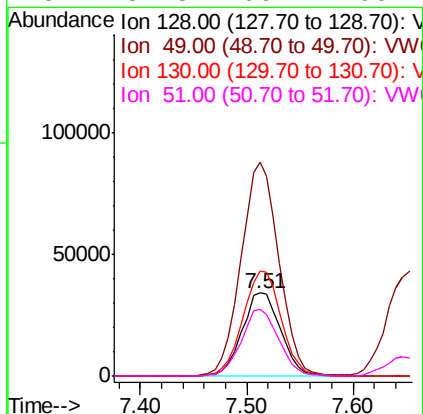
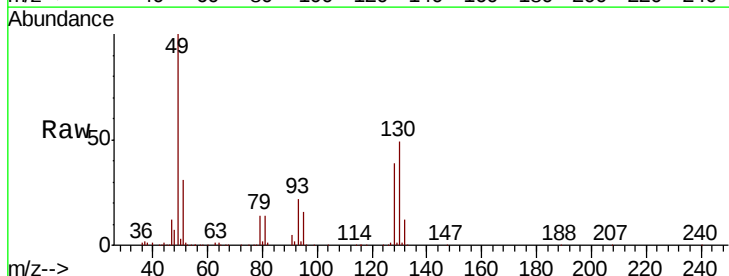
Tot Ion	Ratio	Lower	Upper
96	100		
61	155.4	105.6	196.0
98	62.5	43.3	80.5

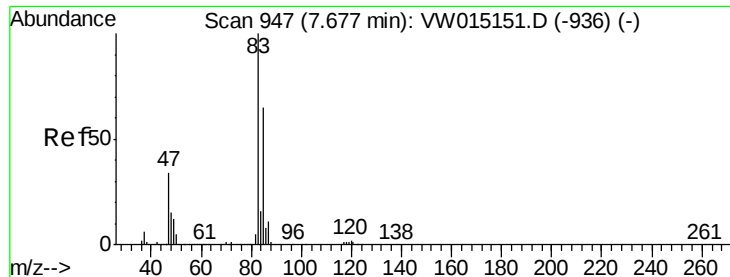


#23

Bromochloromethane
 Concen: 24.913 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	258.5	181.2	336.6
130	127.2	88.4	164.2
51	81.3	66.2	99.4

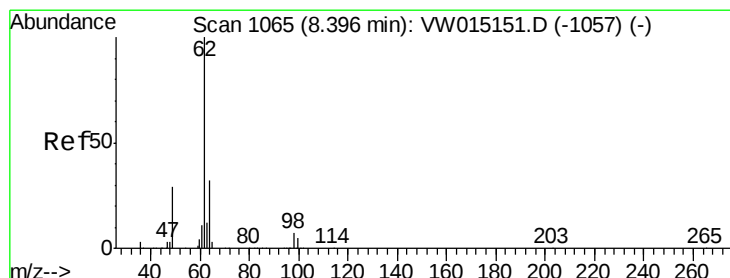
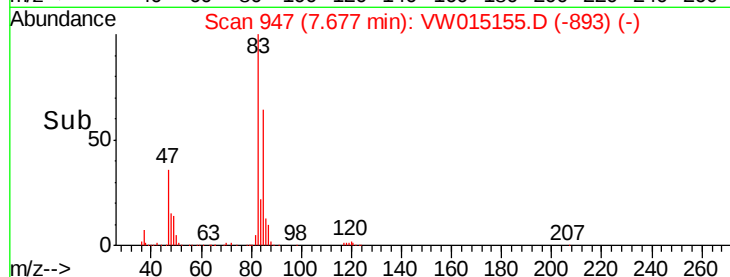
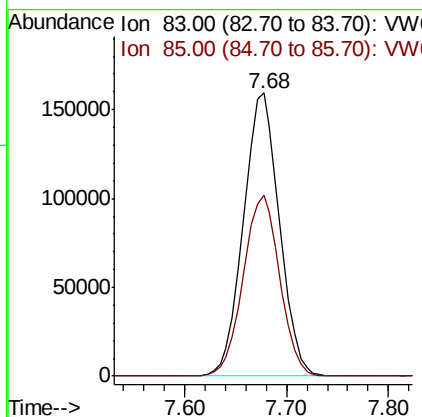
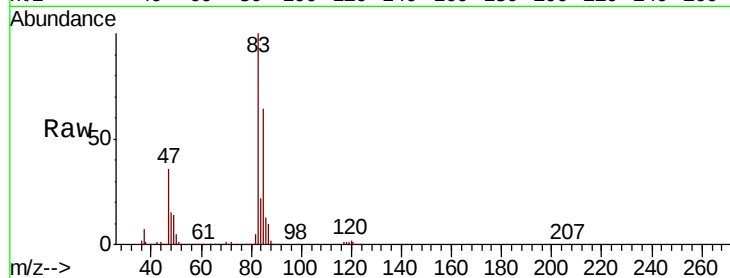




#25
Chloroform
Concen: 23.606 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

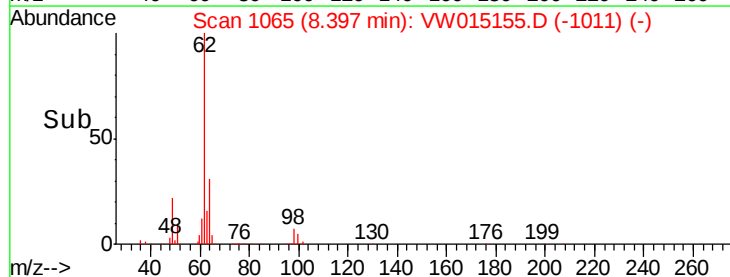
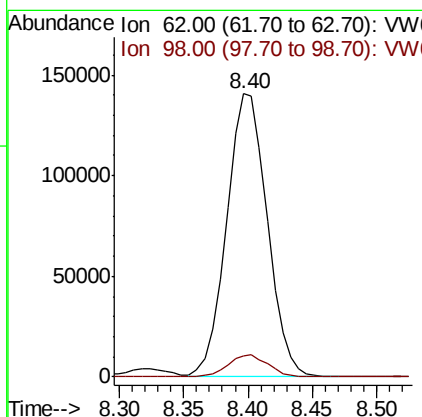
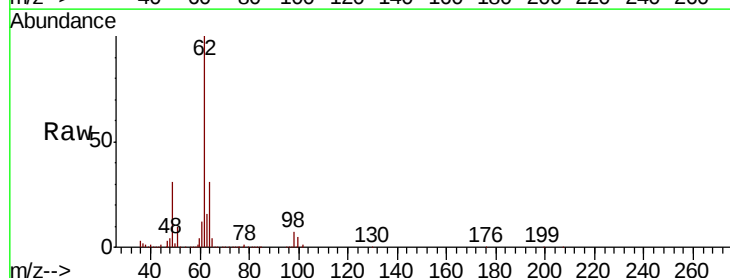
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

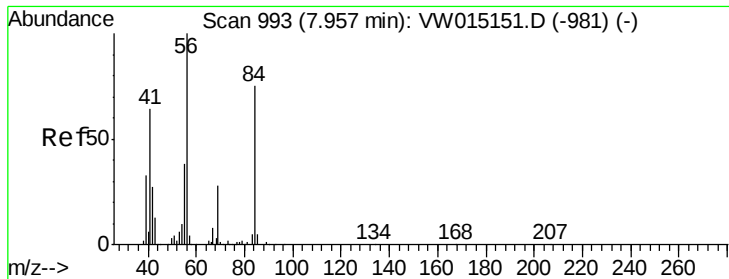
Tot Ion: 83 Resp: 390480
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.970 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

Tgt Ion: 62 Resp: 308516
Ion Ratio Lower Upper
62 100
98 7.3 6.2 9.4

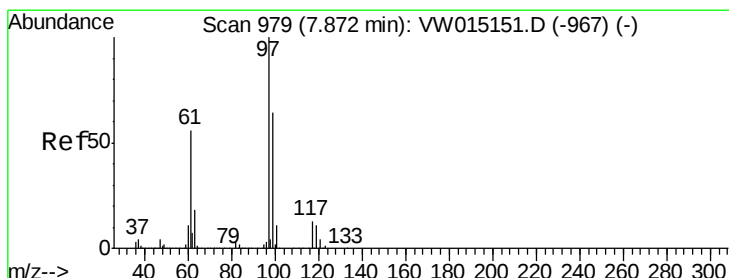
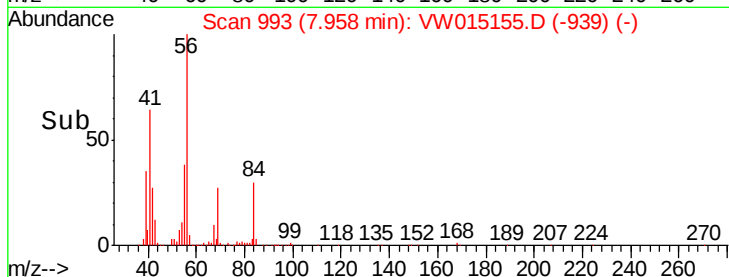
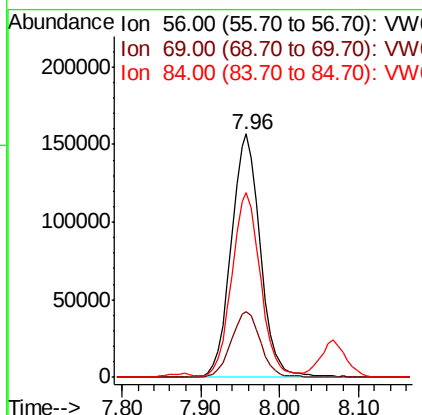
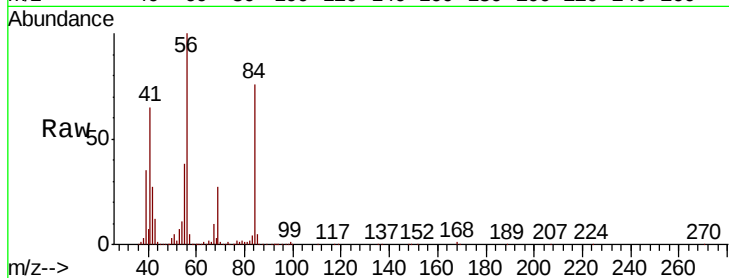




#30
Cyclohexane
Concen: 24.207 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

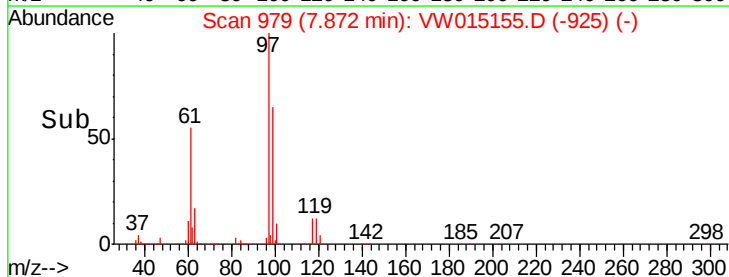
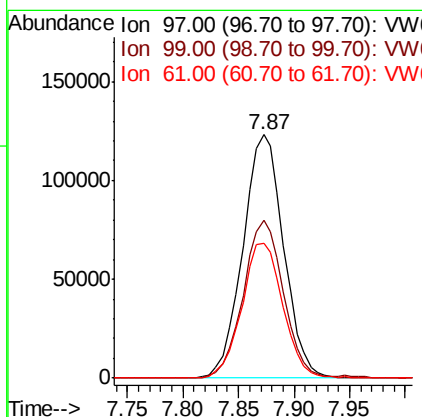
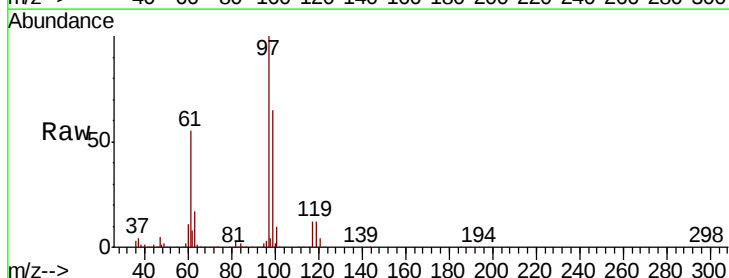
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

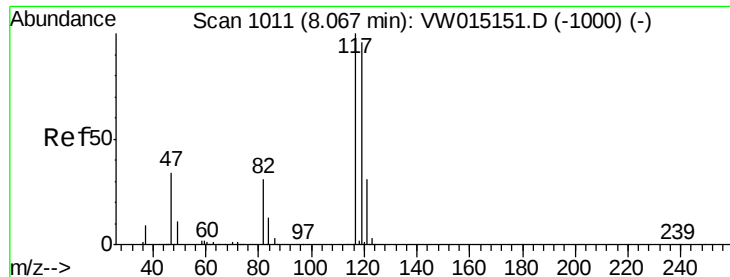
Tot Ion: 56 Resp: 403225
Ion Ratio Lower Upper
56 100
69 27.1 22.0 33.0
84 74.4 58.9 88.3



#31
1,1,1-Trichloroethane
Concen: 23.325 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

Tgt Ion: 97 Resp: 312830
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 56.0 44.8 67.2





#32

Carbon tetrachloride

Concen: 23.592 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

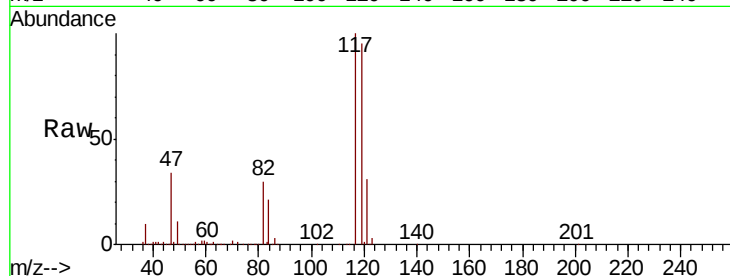
VSTD02520

Tot Ion:117 Resp: 274513

Ion Ratio Lower Upper

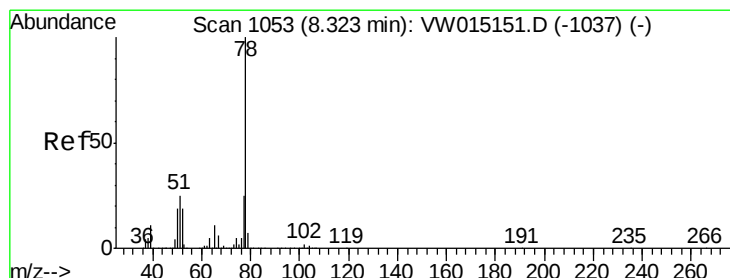
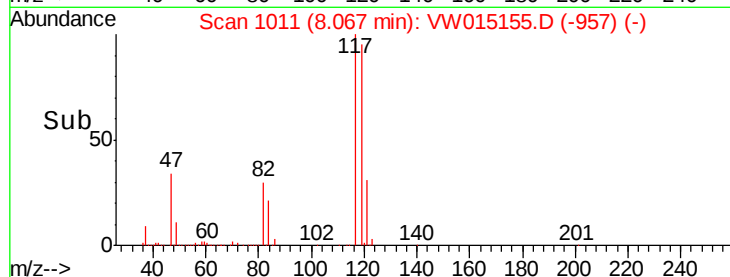
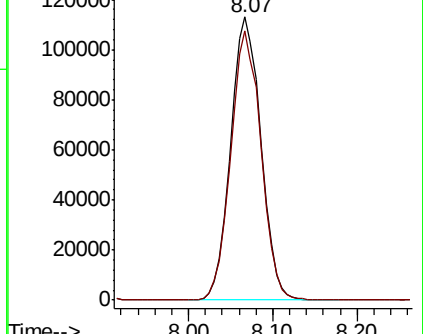
117 100

119 94.8 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.670 ug/L

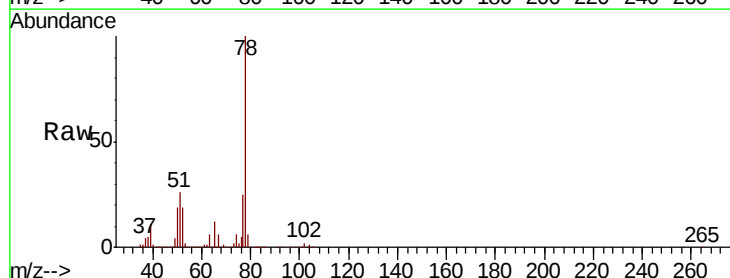
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

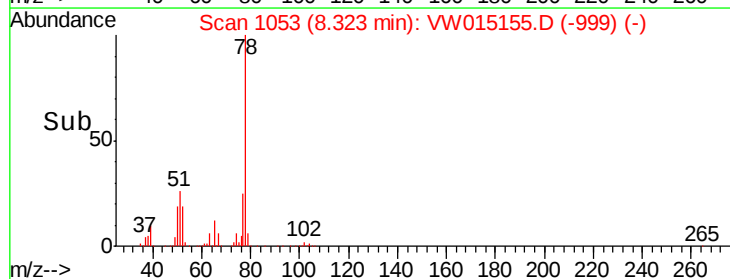
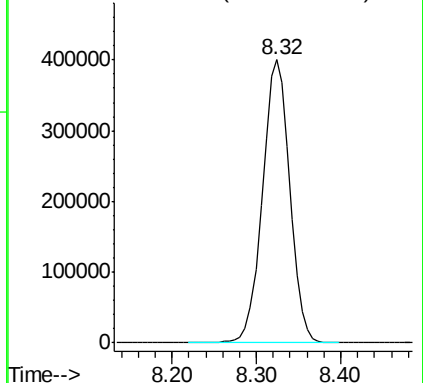
Lab File: VW015155.D

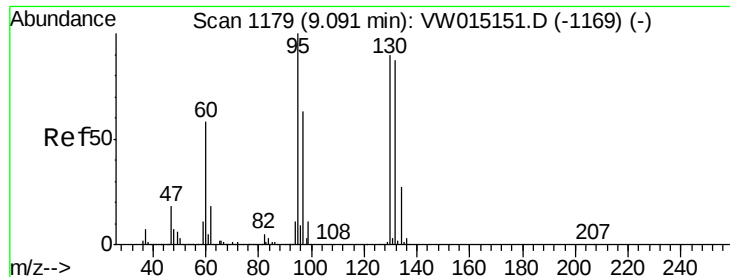
Acq: 03 Apr 2020 19:04

Tgt Ion: 78 Resp: 893951



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.840 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tot Ion: 95 Resp: 209988

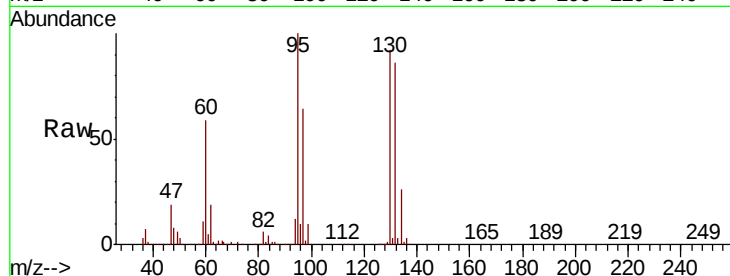
Ion Ratio Lower Upper

95 100

97 63.3 43.7 81.1

132 84.0 58.7 109.1

130 89.1 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): VW

Ion 130.00 (129.70 to 130.70): VW

150000

100000

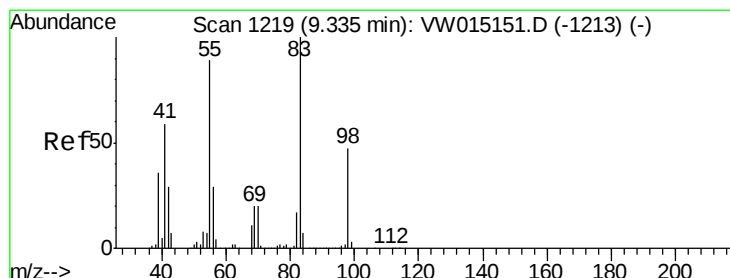
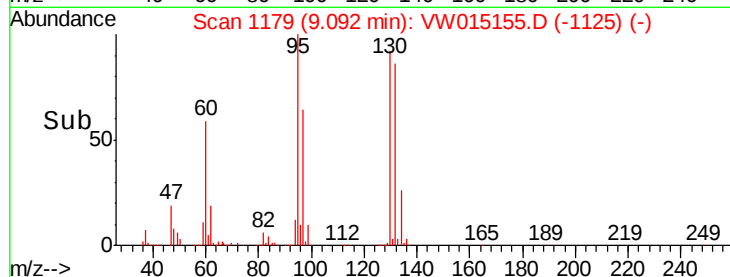
50000

0

9.09

9.05 9.10 9.15

Time-->



#36

Methylcyclohexane

Concen: 23.946 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

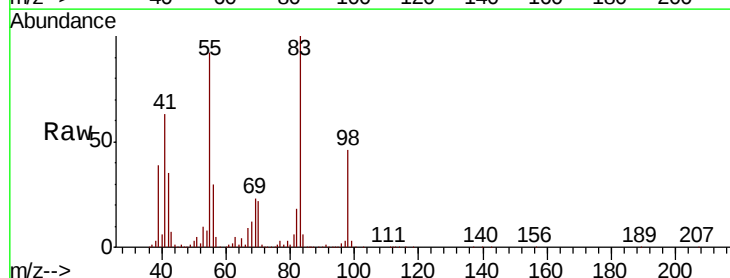
Tgt Ion: 83 Resp: 378225

Ion Ratio Lower Upper

83 100

55 91.7 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

250000

200000

150000

100000

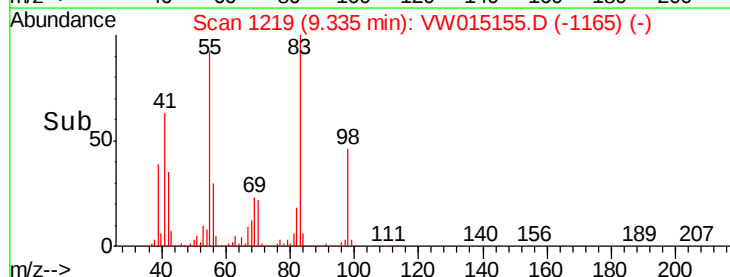
50000

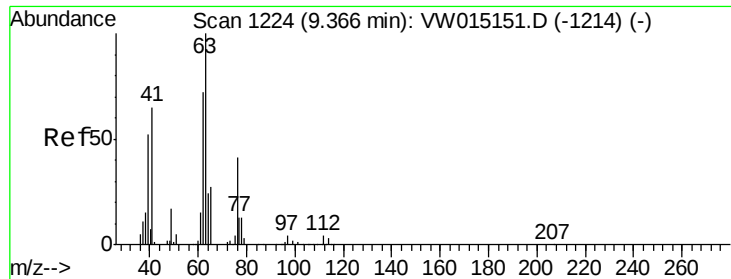
0

9.34

9.25 9.30 9.35 9.40

Time-->

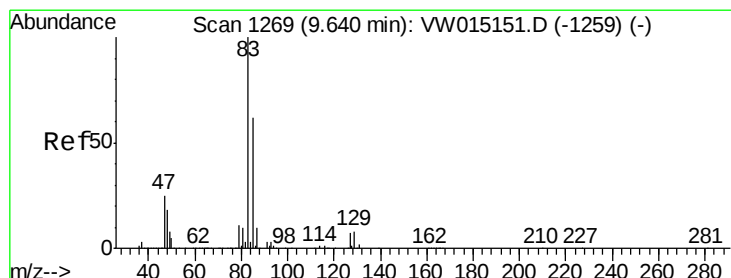
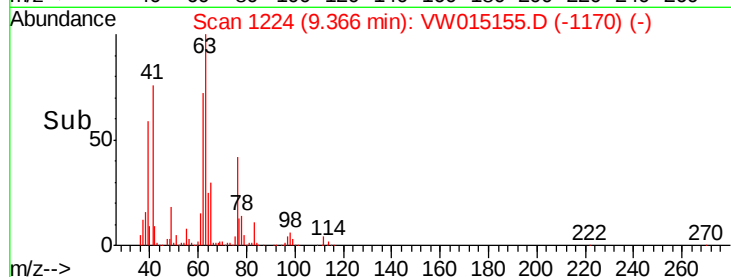
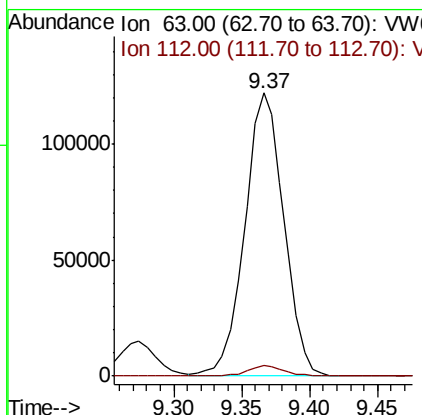
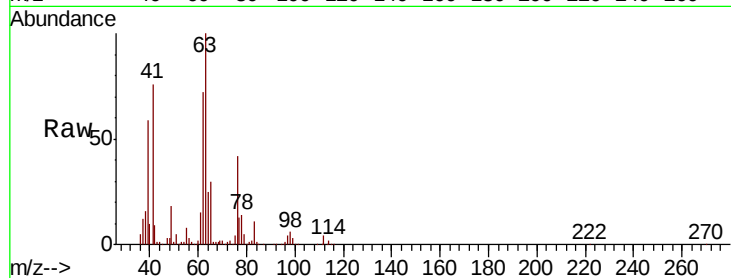




#40
 1,2-Dichloropropane
 Concen: 23.512 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

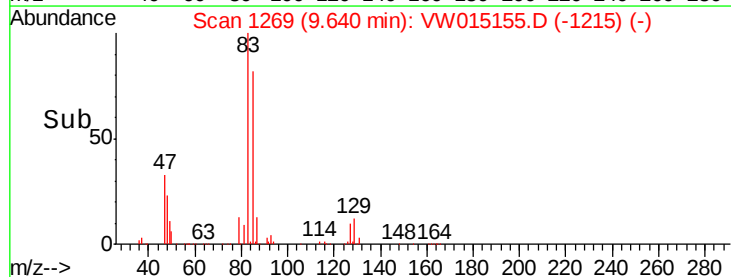
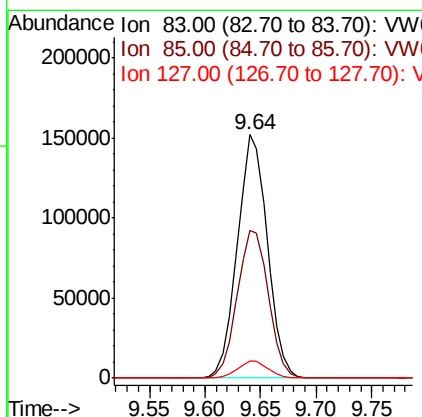
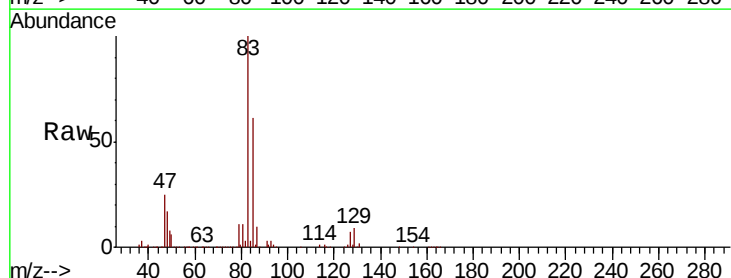
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02520

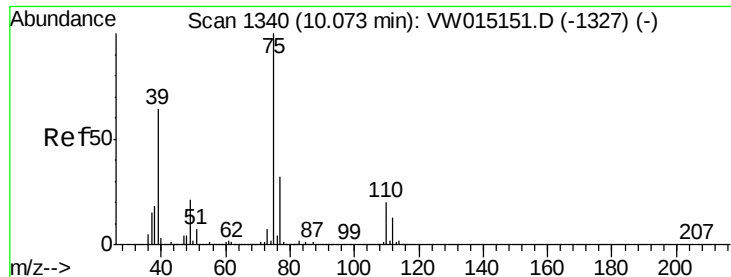
Tot Ion: 63 Resp: 244889
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#41
 Bromodichloromethane
 Concen: 24.042 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Tgt Ion: 83 Resp: 284905
 Ion Ratio Lower Upper
 83 100
 85 60.9 44.1 81.9
 127 7.2 5.5 8.3





#42

cis-1,3-Dichloropropene

Concen: 24.704 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

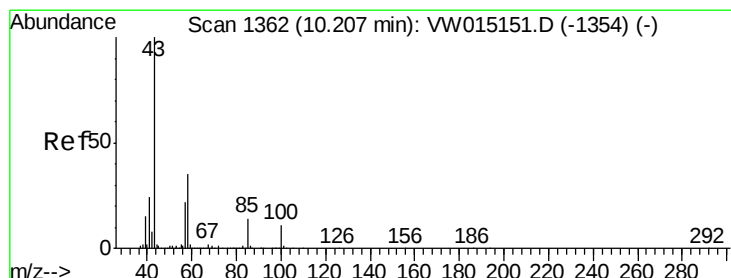
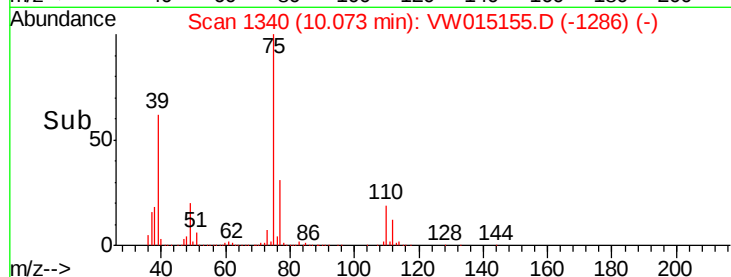
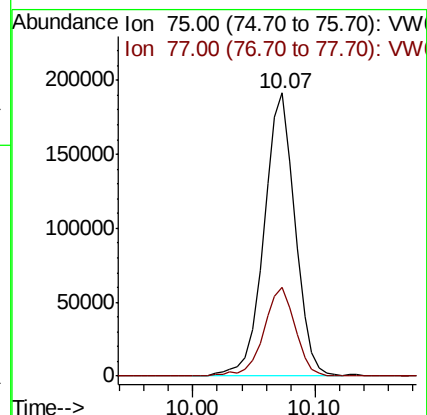
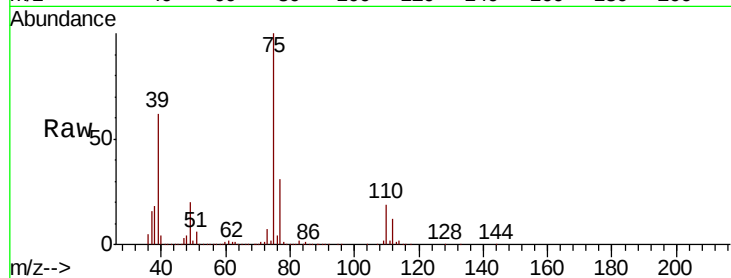
VSTD02520

Tot Ion: 75 Resp: 338068

Ion Ratio Lower Upper

75 100

77 31.3 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 69.592 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

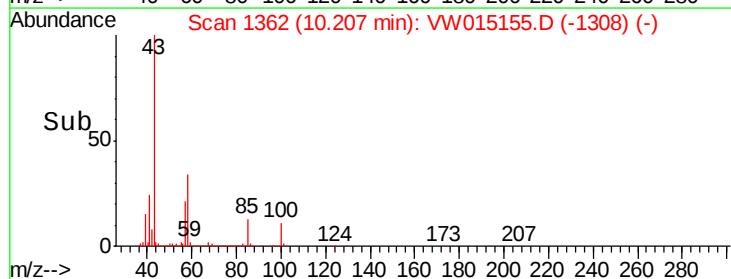
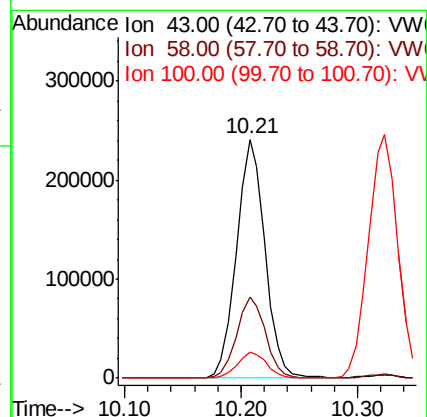
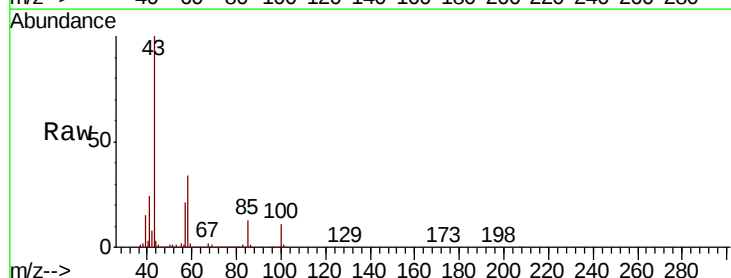
Tgt Ion: 43 Resp: 410089

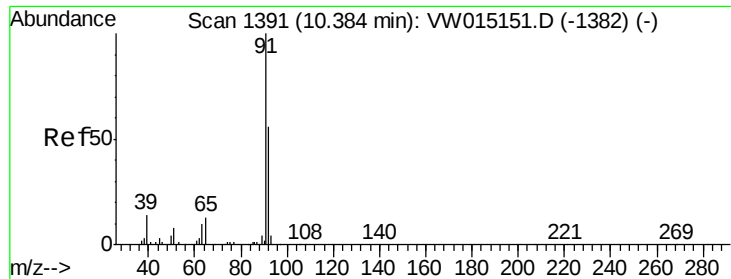
Ion Ratio Lower Upper

43 100

58 34.5 27.9 41.9

100 11.3 8.9 13.3





#44

Toluene

Concen: 23.888 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

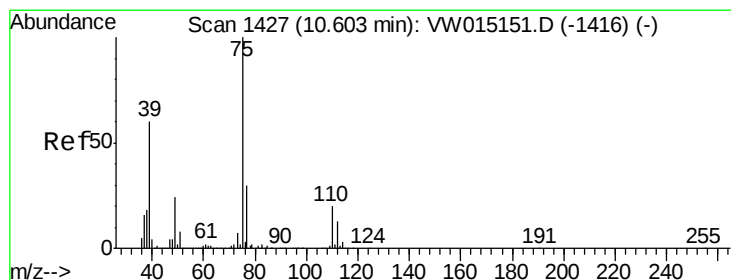
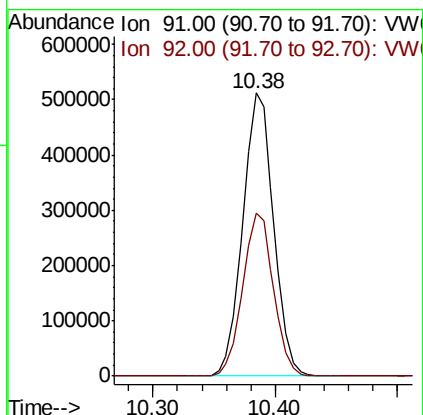
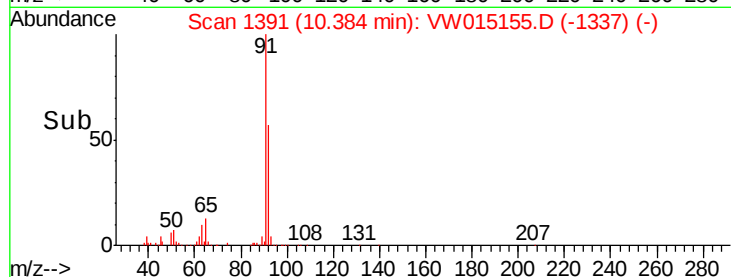
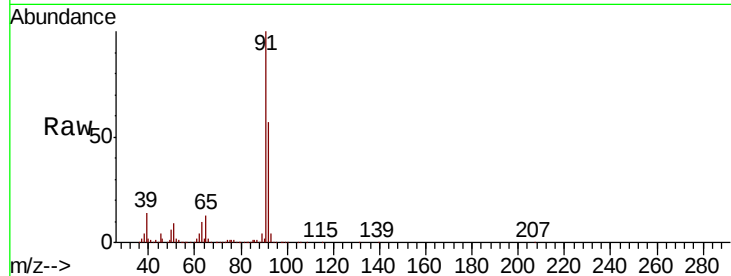
VSTD02520

Tot Ion: 91 Resp: 892089

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 26.233 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015155.D

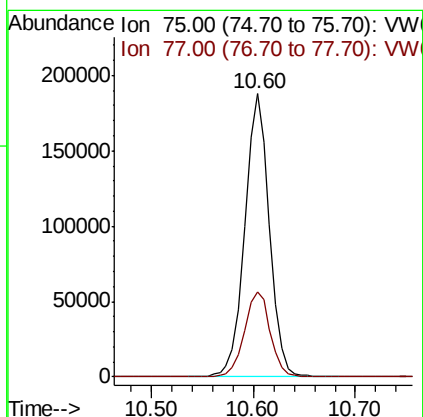
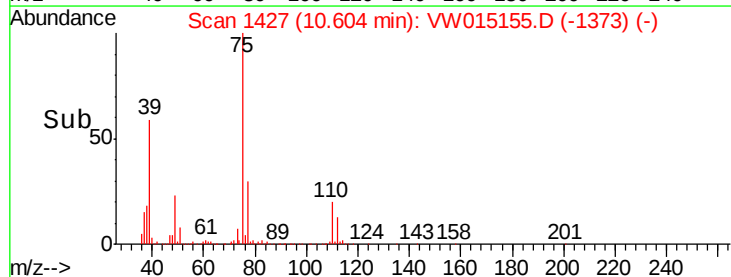
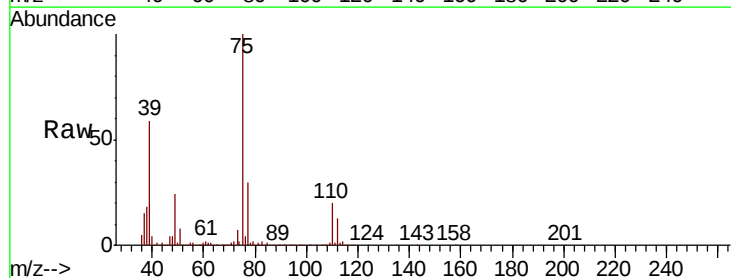
Acq: 03 Apr 2020 19:04

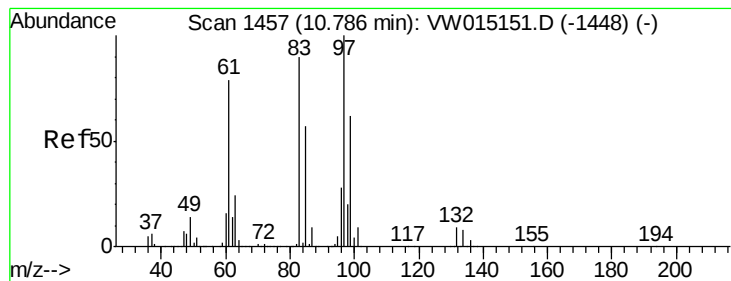
Tgt Ion: 75 Resp: 313921

Ion Ratio Lower Upper

75 100

77 29.9 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 26.280 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tot Ion: 97 Resp: 160900

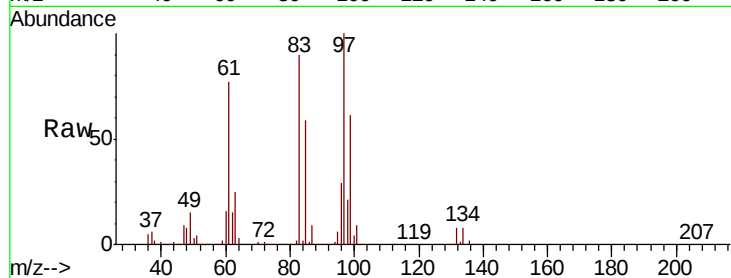
Ion Ratio Lower Upper

97 100

83 90.1 64.8 120.4

85 59.2 40.9 75.9

99 61.0 43.8 81.4



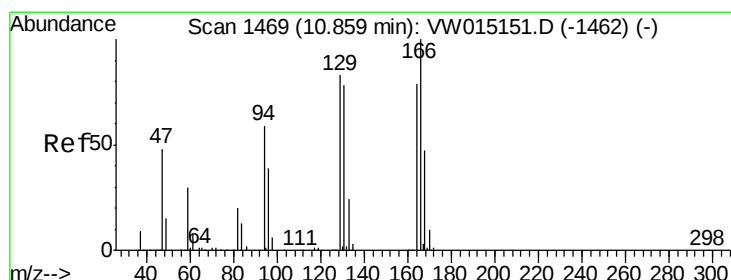
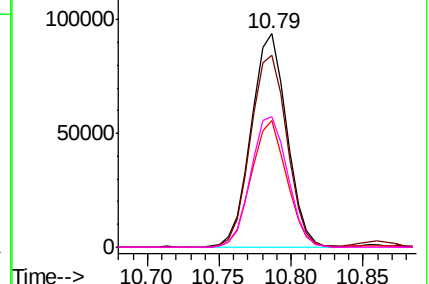
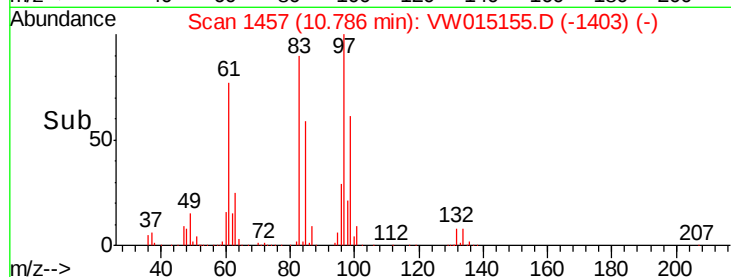
Abundance

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: 22.417 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Tgt Ion: 164 Resp: 133008

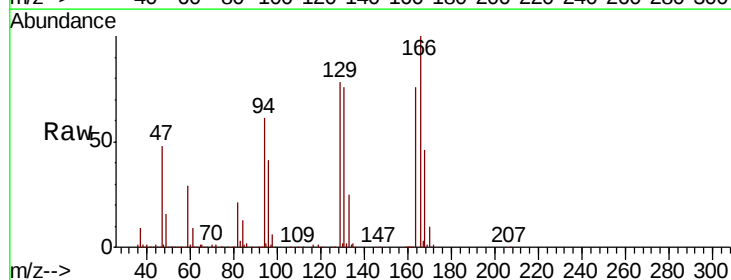
Ion Ratio Lower Upper

164 100

129 102.6 73.2 136.0

131 100.2 69.4 128.8

166 131.2 89.5 166.3



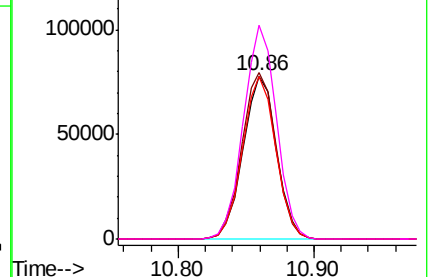
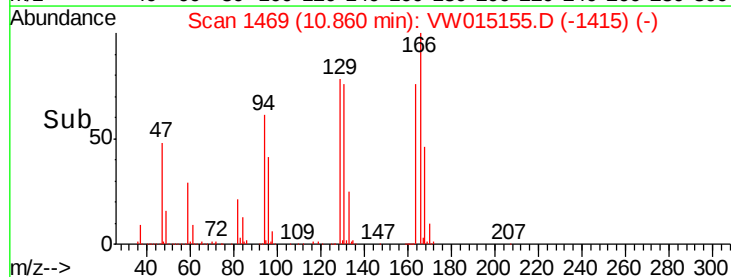
Abundance

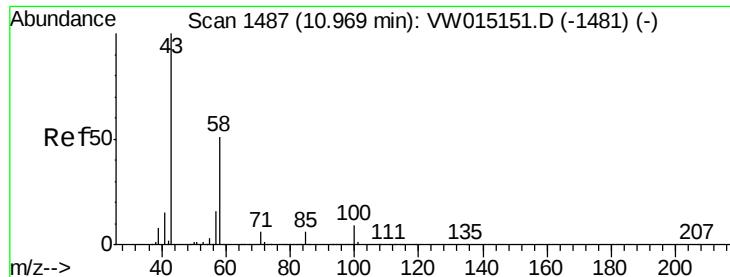
Ion 164.00 (163.70 to 164.70): V

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: 76.895 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampled :

VSTD02520

Tot Ion: 43 Resp: 302197

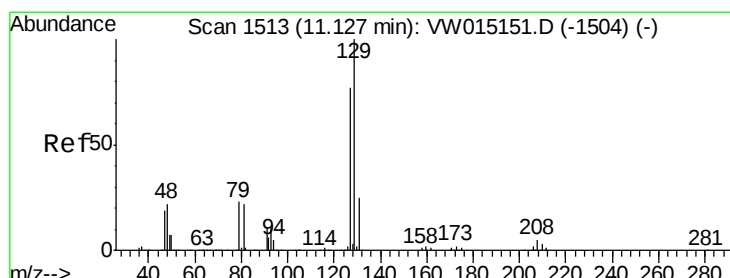
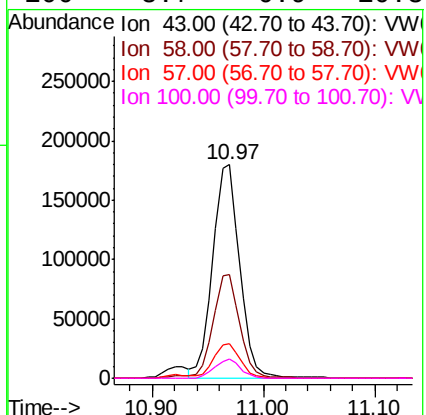
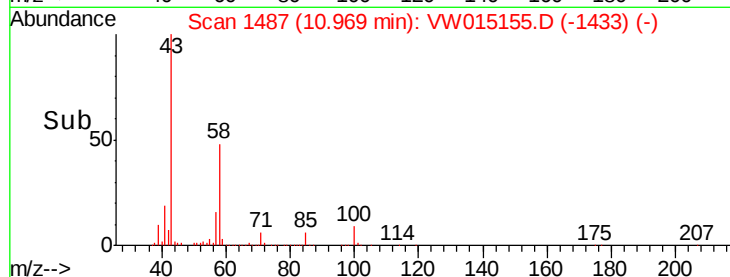
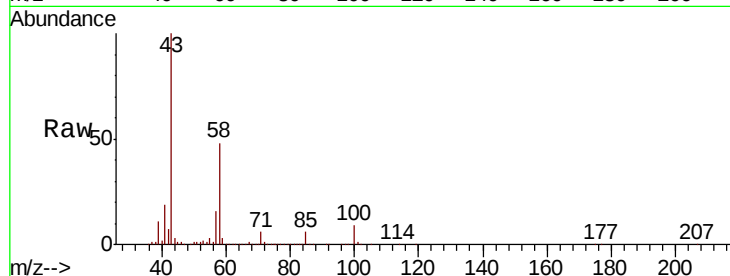
Ion Ratio Lower Upper

43 100

58 47.0 38.5 57.7

57 16.1 12.9 19.3

100 8.7 6.9 10.3



#50

Dibromochloromethane

Concen: 25.865 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015155.D

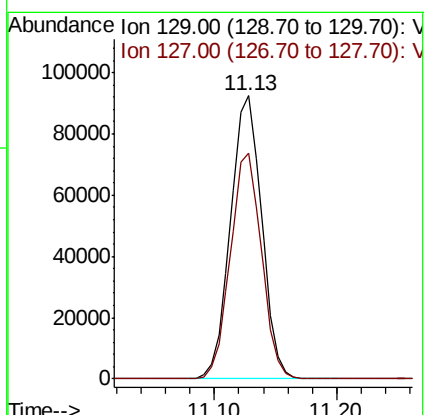
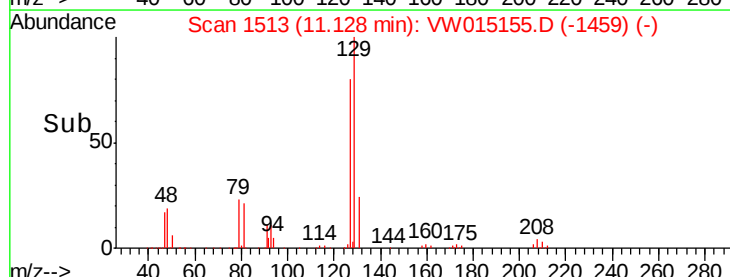
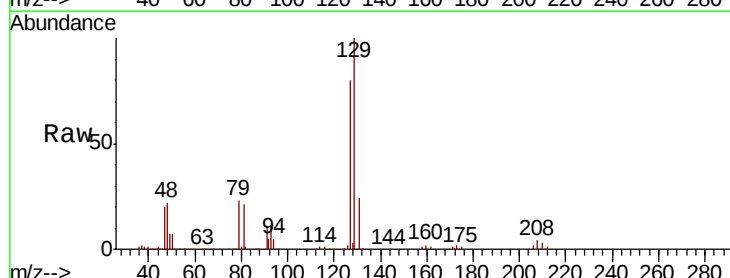
Acq: 03 Apr 2020 19:04

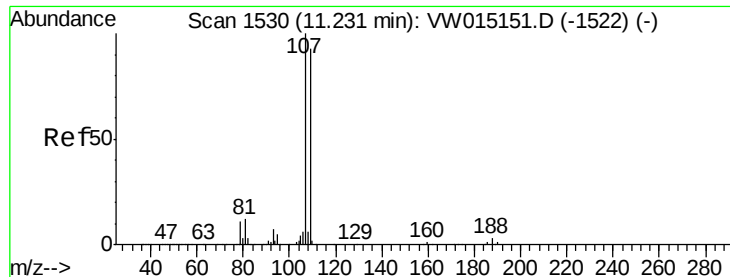
Tgt Ion: 129 Resp: 162806

Ion Ratio Lower Upper

129 100

127 79.6 55.1 102.3

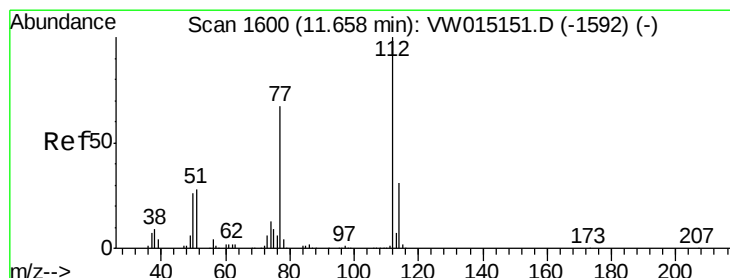
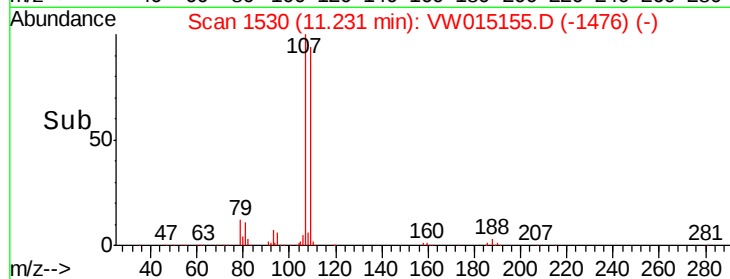
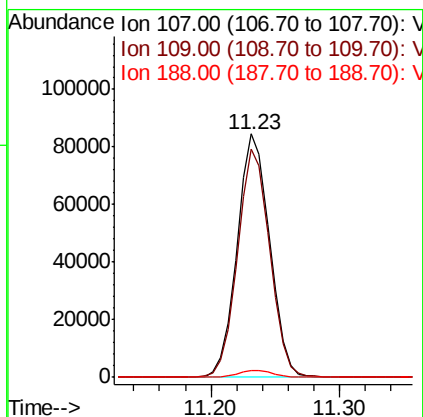
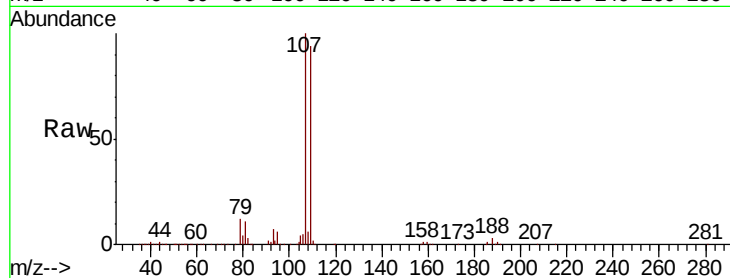




#51
1,2-Dibromoethane
Concen: 27.173 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

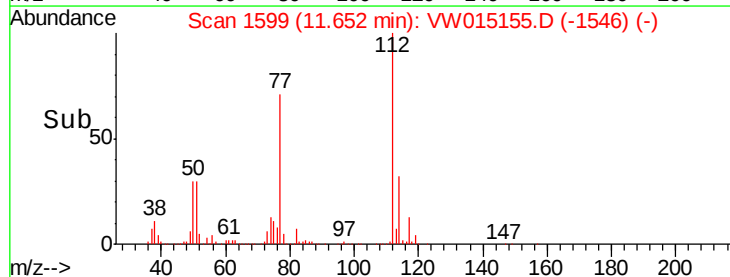
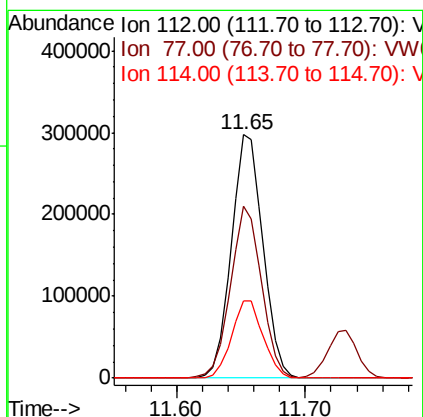
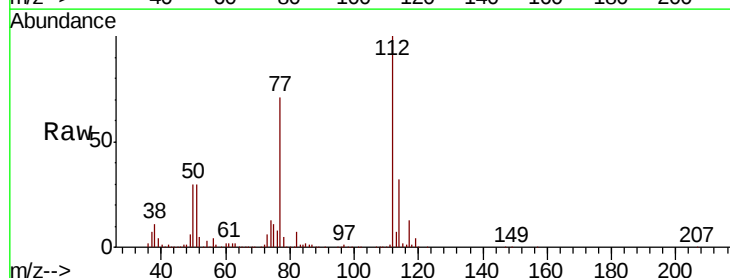
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

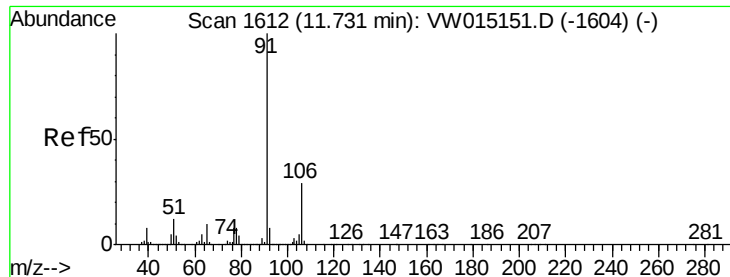
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	65.9	122.5
188	3.0	2.3	3.5



#52
Chlorobenzene
Concen: 23.206 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015155.D
Acq: 03 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
112	100		
77	70.7	53.5	80.3
114	31.6	22.0	40.8





#53

Ethylbenzene

Concen: 23.921 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

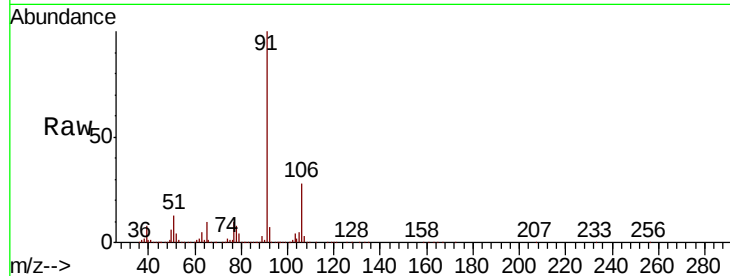
VSTD02520

Tot Ion: 91 Resp: 964917

Ion Ratio Lower Upper

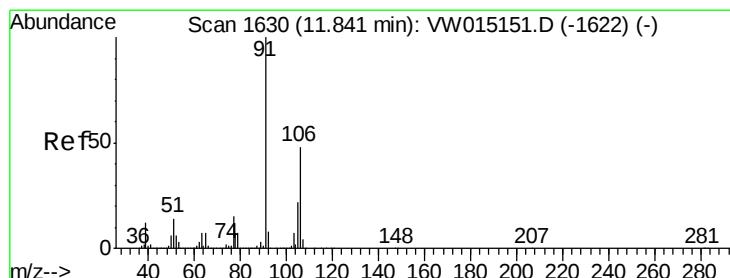
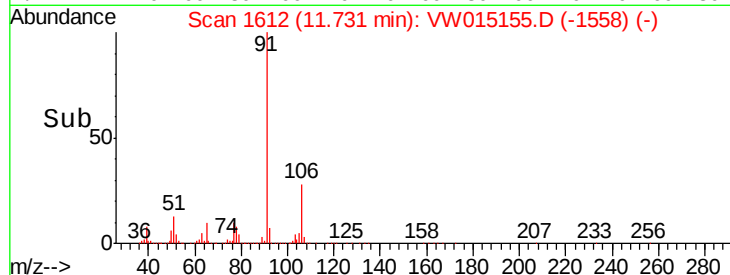
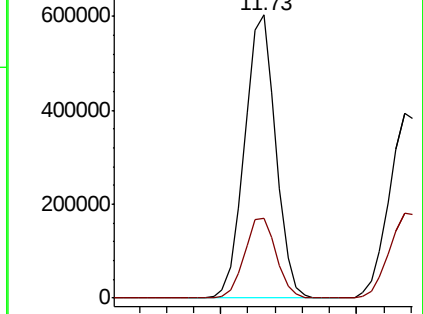
91 100

106 28.2 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.090 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015155.D

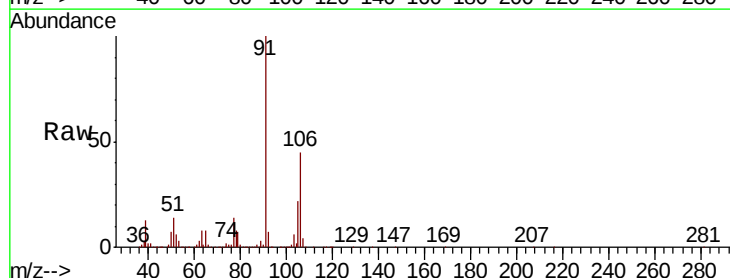
Acq: 03 Apr 2020 19:04

Tgt Ion: 106 Resp: 340673

Ion Ratio Lower Upper

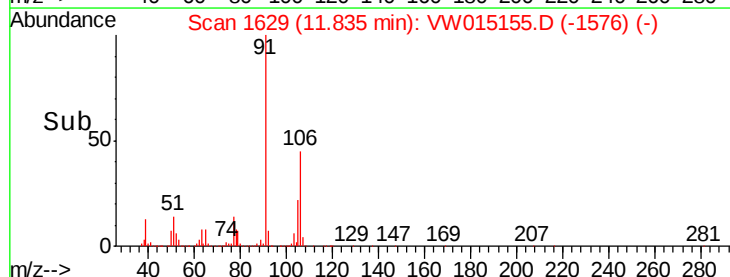
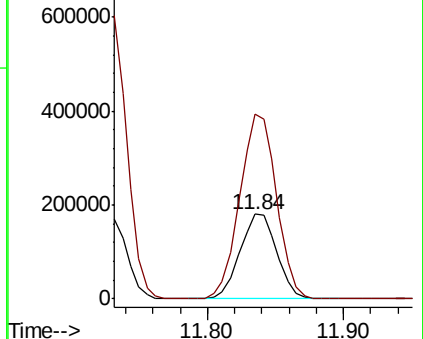
106 100

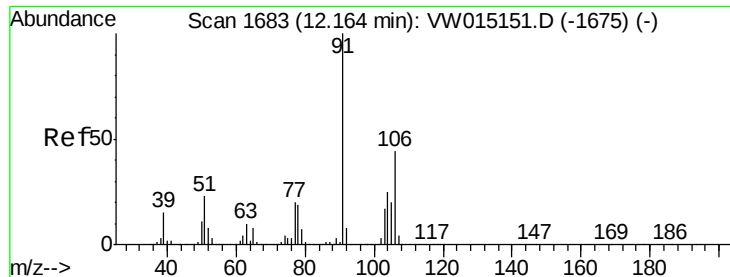
91 219.8 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 24.840 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleID :

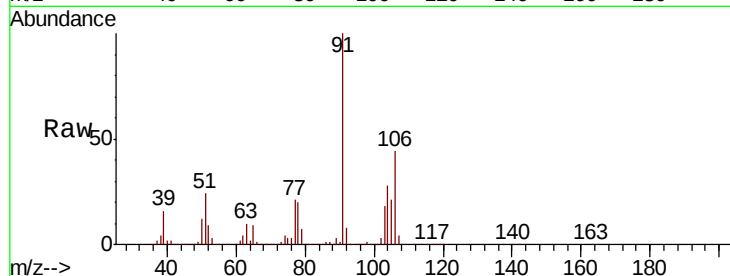
VSTD02520

Tot Ion:106 Resp: 329315

Ion Ratio Lower Upper

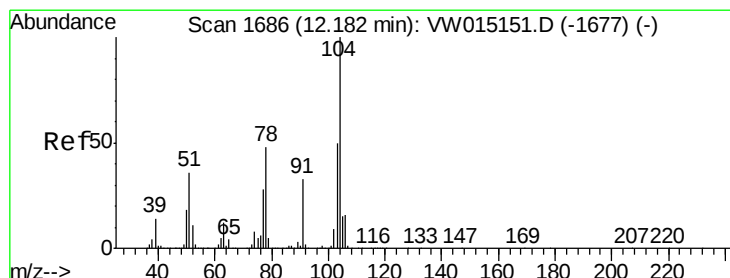
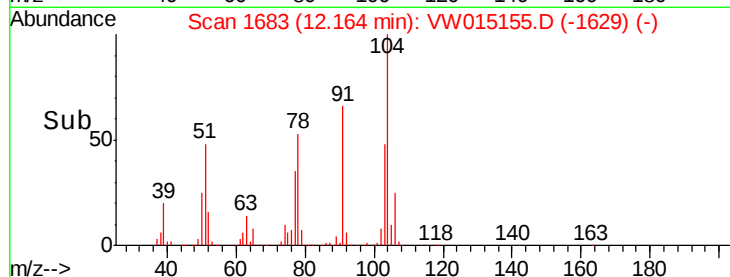
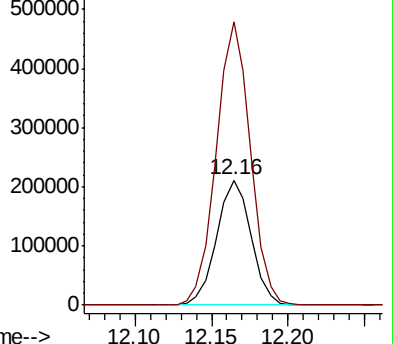
106 100

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: 25.252 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015155.D

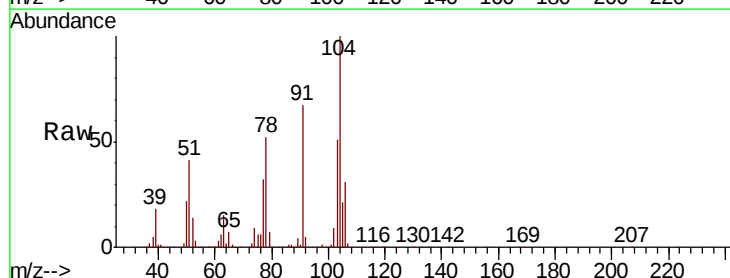
Acq: 03 Apr 2020 19:04

Tgt Ion:104 Resp: 569771

Ion Ratio Lower Upper

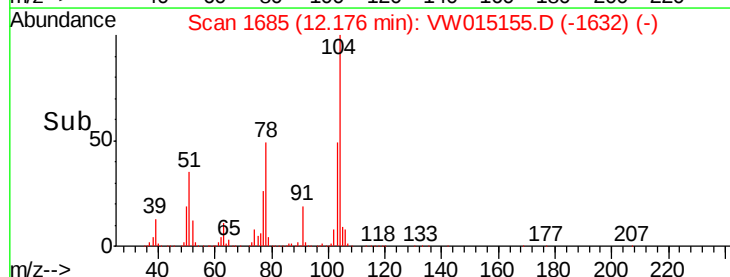
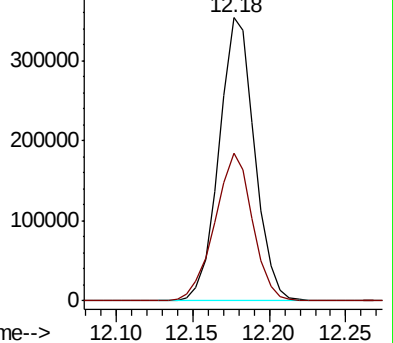
104 100

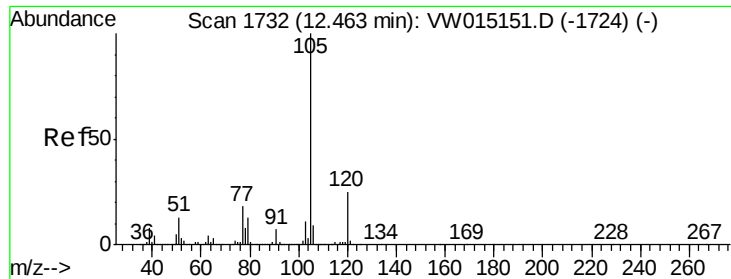
78 52.2 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.817 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

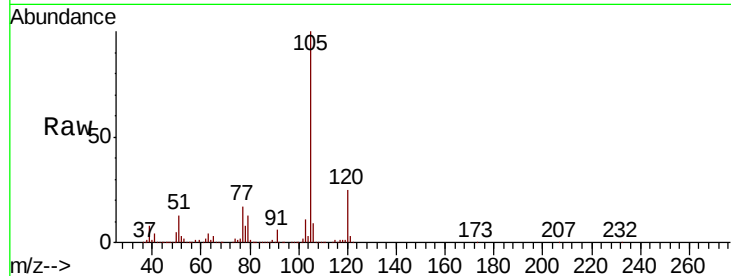
Tot Ion:105 Resp: 906487

Ion Ratio Lower Upper

105 100

120 24.7 20.0 30.0

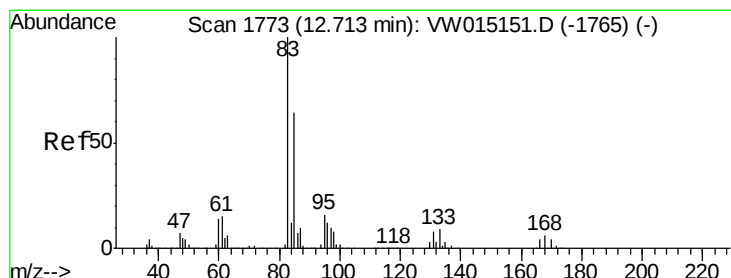
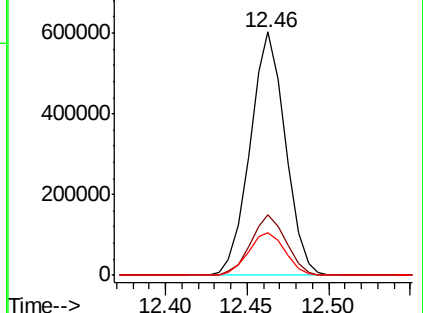
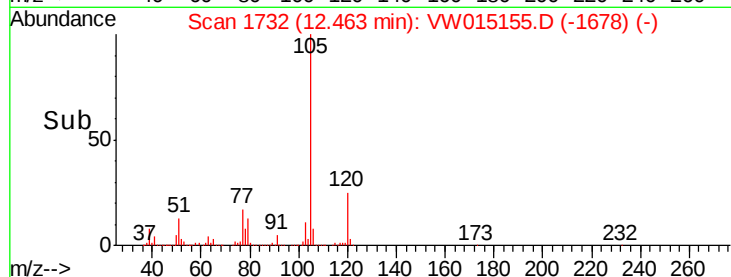
77 18.1 14.5 21.7



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: 30.073 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

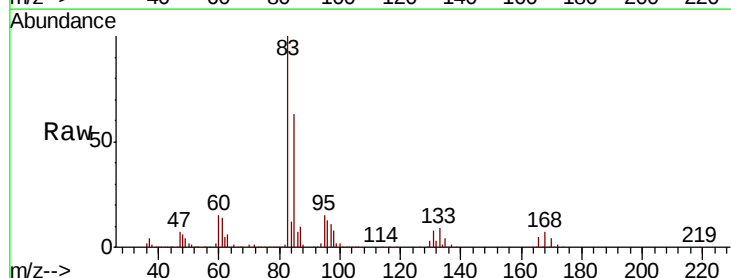
Tgt Ion: 83 Resp: 230445

Ion Ratio Lower Upper

83 100

85 63.2 44.1 81.9

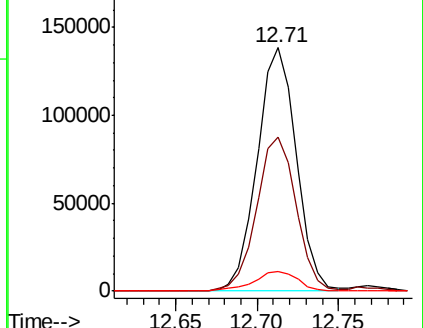
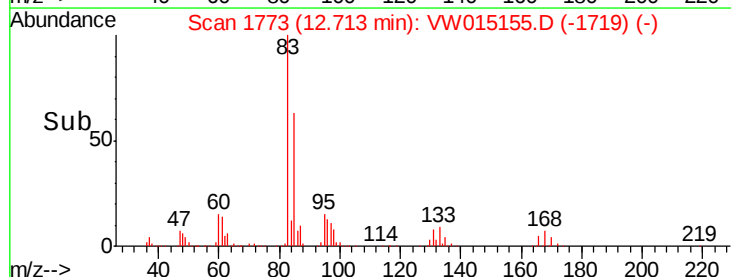
131 8.0 5.9 8.9

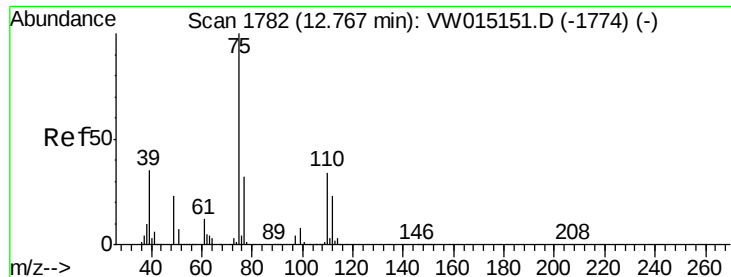


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.813 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

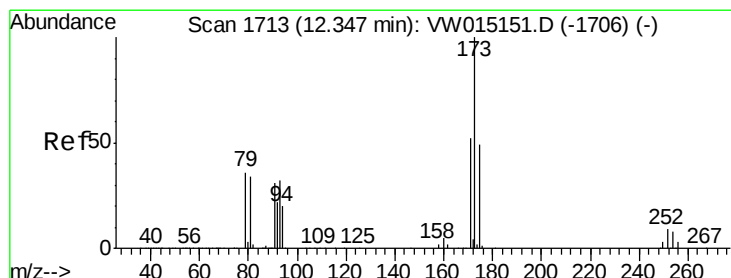
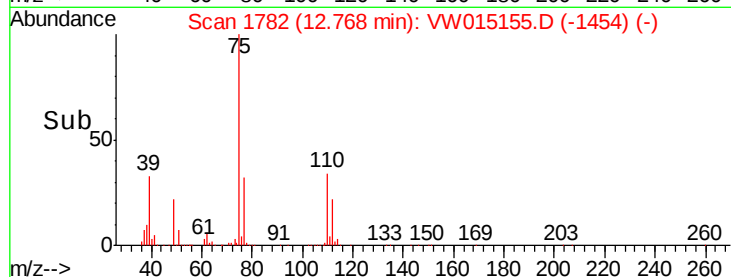
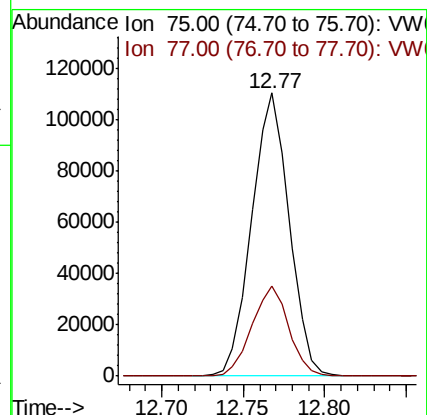
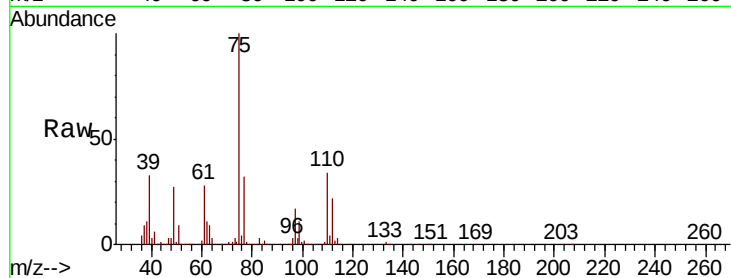
VSTD02520

Tot Ion: 75 Resp: 176614

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6



#62

Bromoform

Concen: 27.198 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

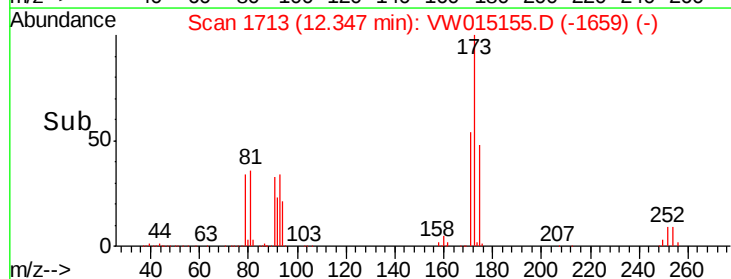
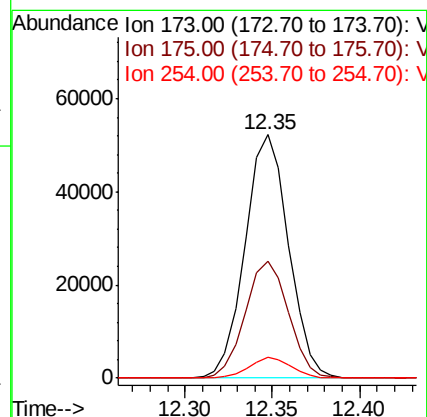
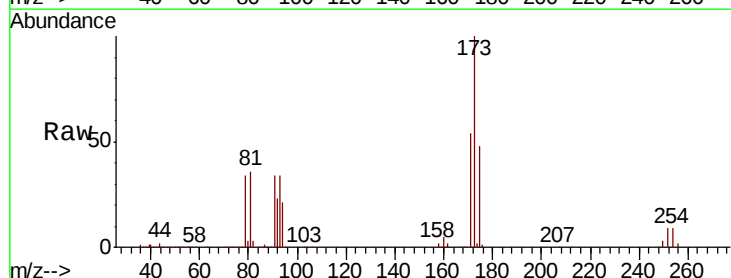
Tgt Ion:173 Resp: 90187

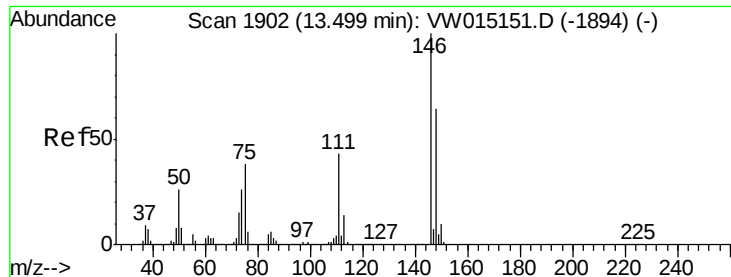
Ion Ratio Lower Upper

173 100

175 47.9 38.0 57.0

254 8.2 6.5 9.7

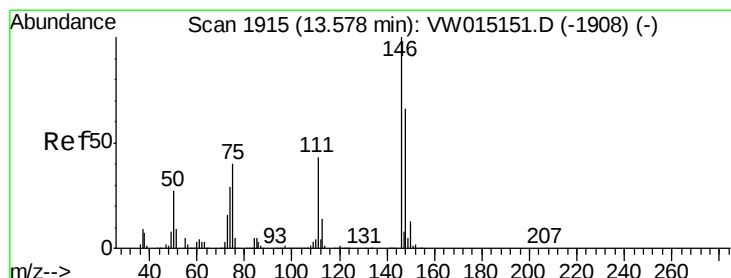
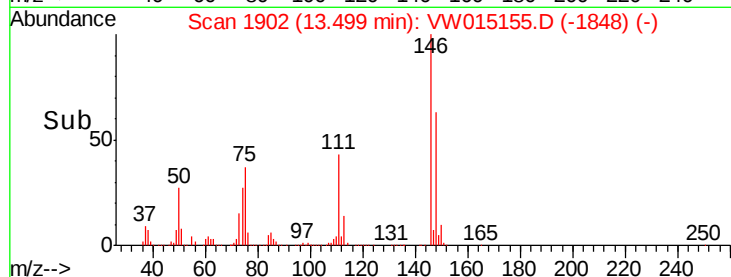
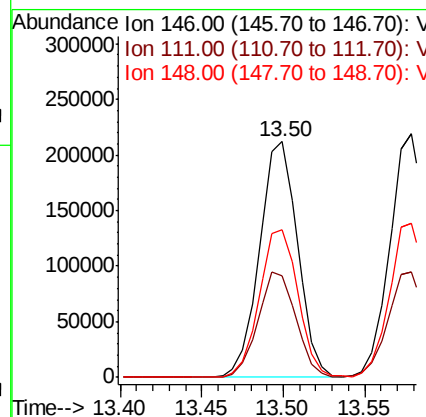
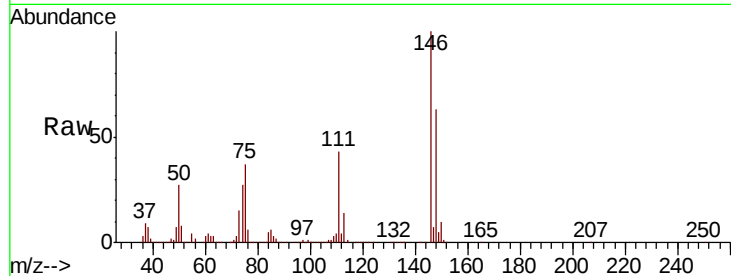




#63
 1,3-Dichlorobenzene
 Concen: 23.028 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

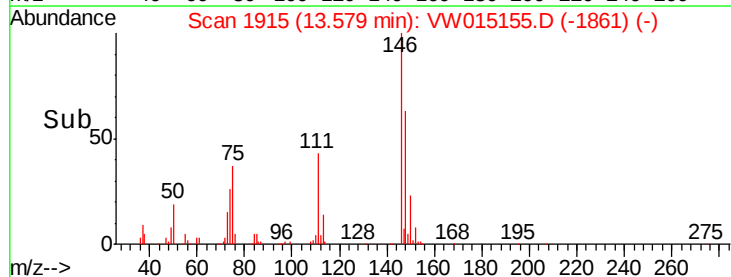
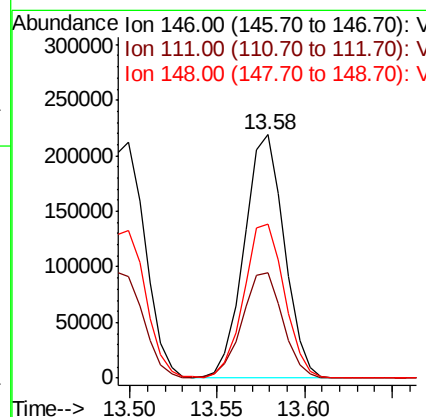
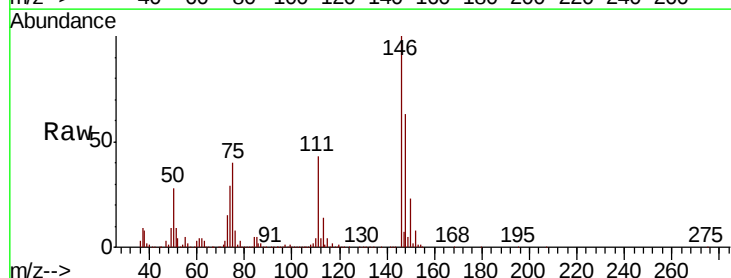
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

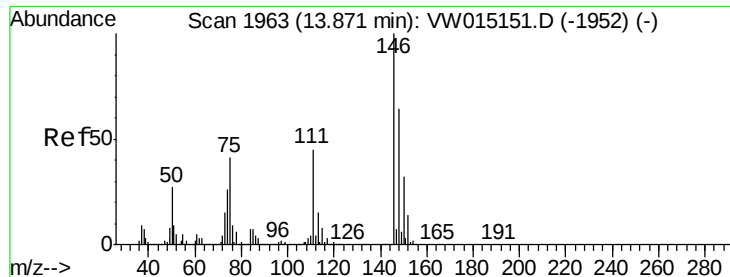
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	31.9	59.2
148	62.6	45.2	84.0



#64
 1,4-Dichlorobenzene
 Concen: 22.792 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	28.8	53.4
148	63.0	44.0	81.6

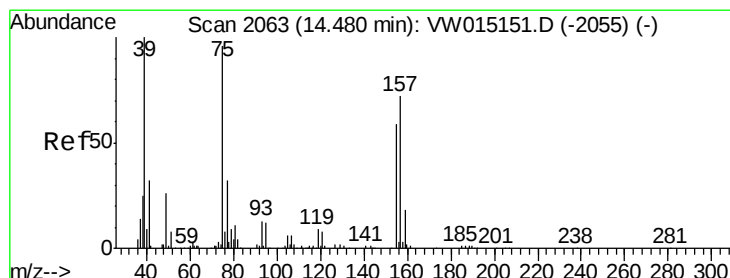
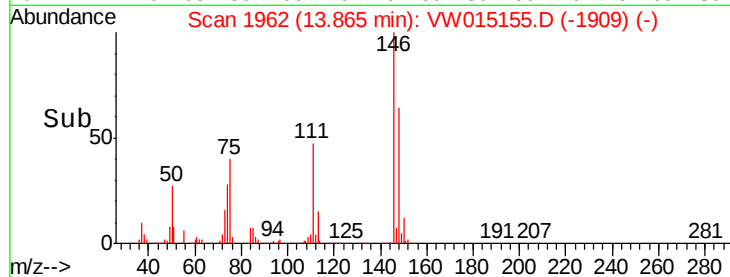
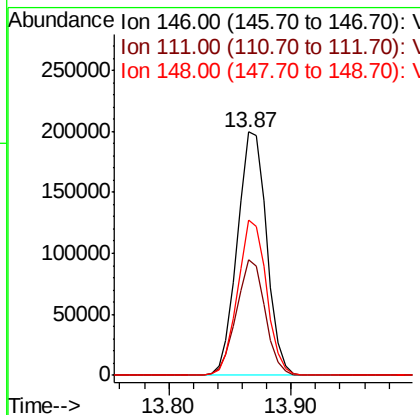
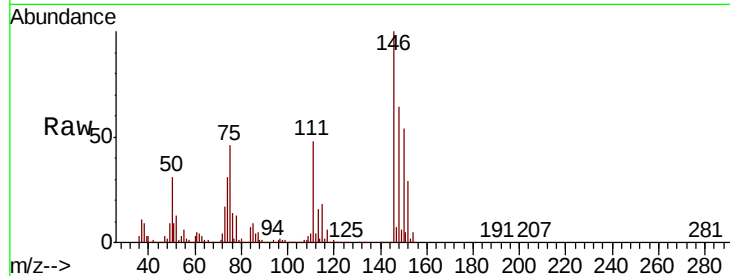




#65
 1,2-Dichlorobenzene
 Concen: 24.334 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

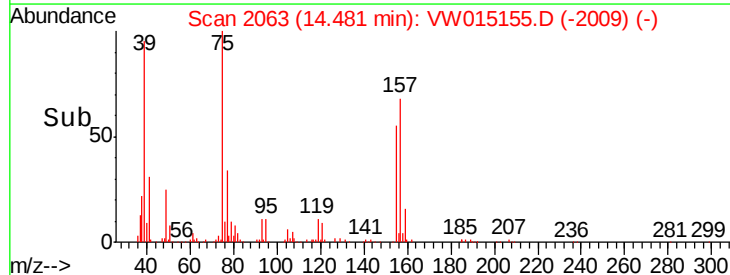
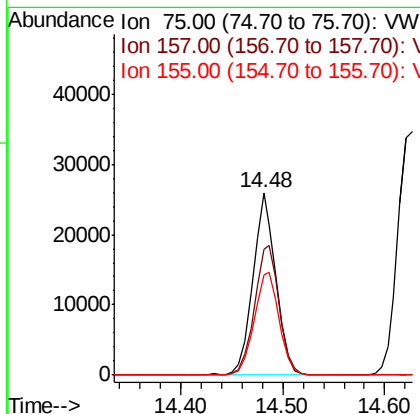
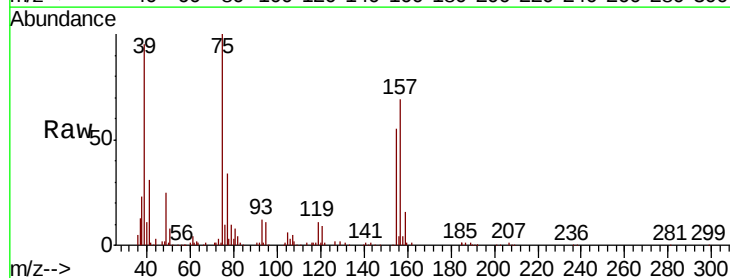
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02520

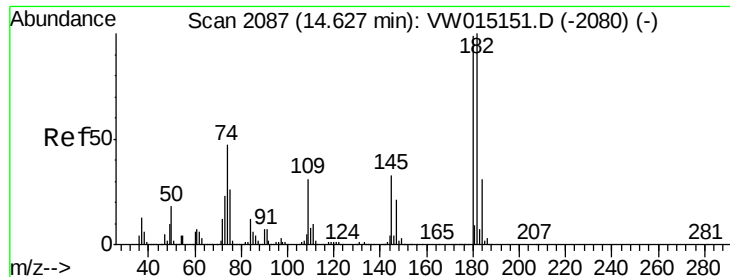
Tot Ion:146 Resp: 331044
 Ion Ratio Lower Upper
 146 100
 111 47.7 35.8 53.8
 148 63.9 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 31.496 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Tgt Ion: 75 Resp: 40814
 Ion Ratio Lower Upper
 75 100
 157 68.8 57.3 85.9
 155 54.9 43.2 64.8

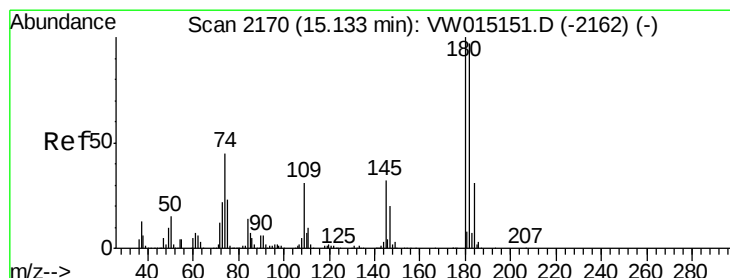
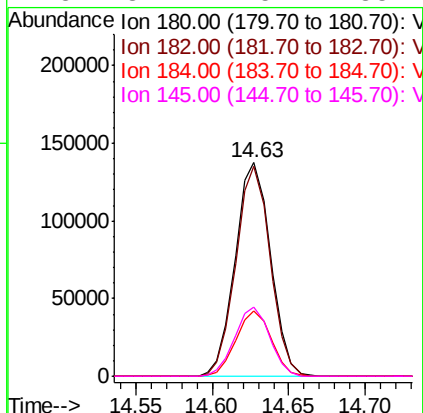
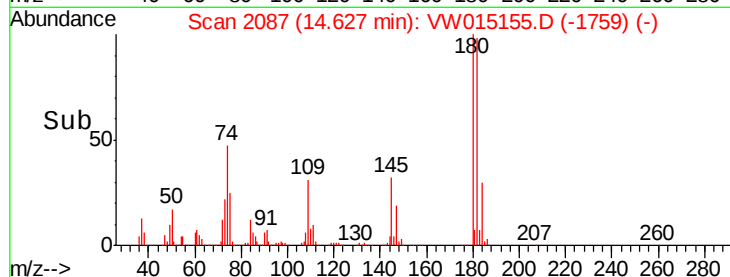
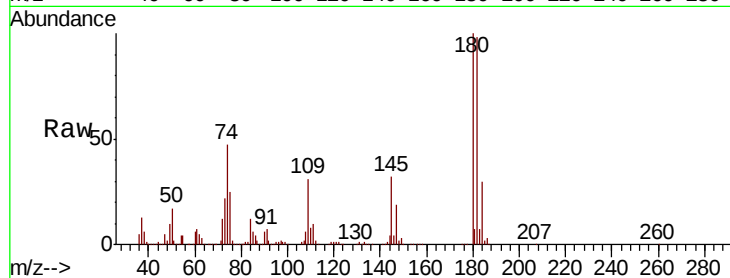




#67
 1,3,5-Trichlorobenzene
 Concen: 22.969 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

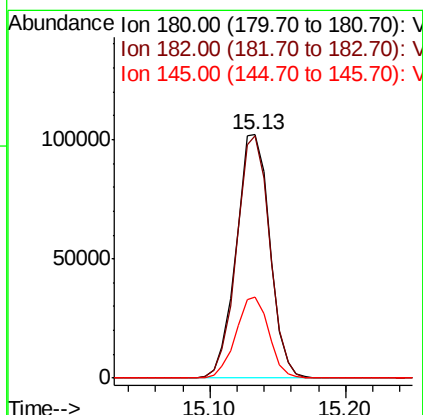
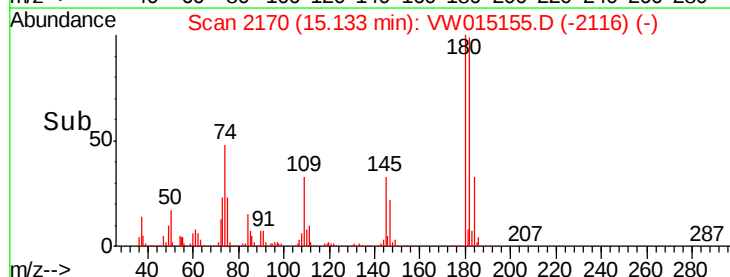
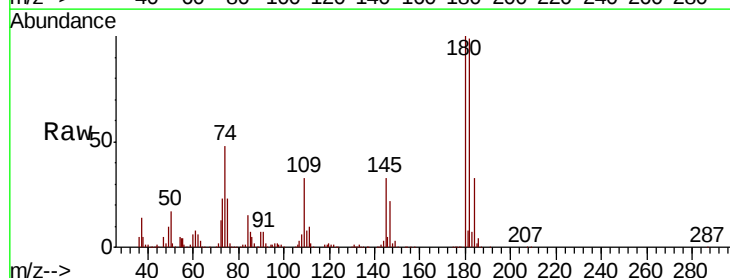
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

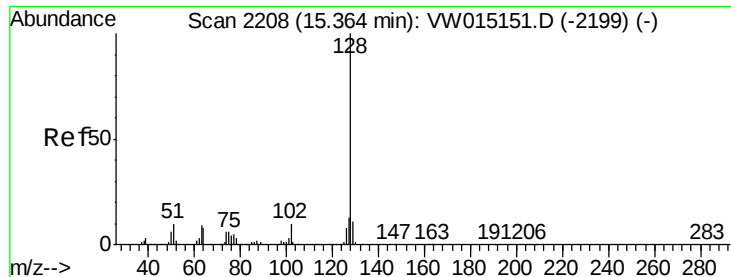
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	30.6	24.0	36.0
145	32.2	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 24.306 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015155.D
 Acq: 03 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.8	113.6
145	32.7	25.8	38.6





#69

Naphthalene

Concen: 32.235 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

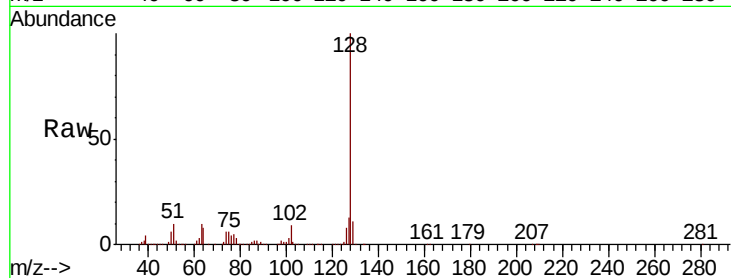
Tot Ion:128 Resp: 454616

Ion Ratio Lower Upper

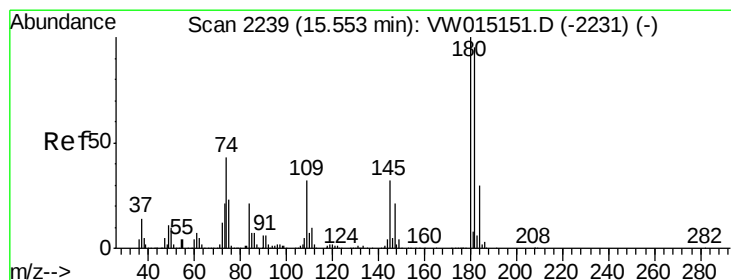
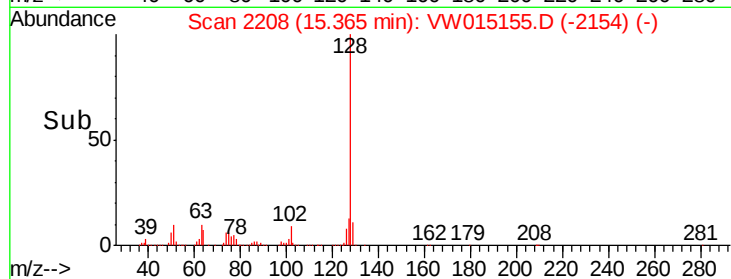
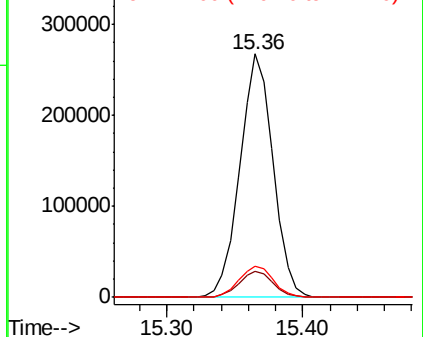
128 100

129 11.0 8.9 13.3

127 13.3 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: 26.629 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015155.D

Acq: 03 Apr 2020 19:04

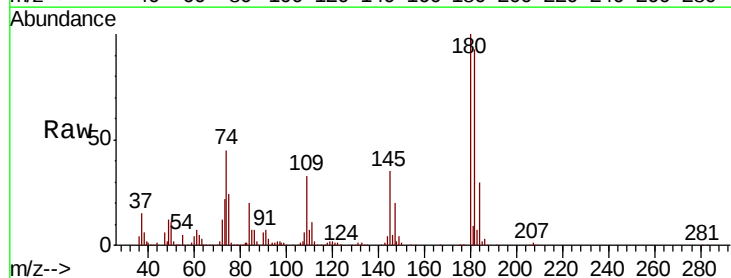
Tgt Ion:180 Resp: 179492

Ion Ratio Lower Upper

180 100

182 93.6 75.9 113.9

145 33.6 27.6 41.4



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

