

Data File : VW014827.D
Acq On : 03 Feb 2020 10:55
Operator : SY/VA
Sample : VSTD02511
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Quant Time: Feb 03 11:38:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 19:04:52 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	817440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	743009	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	352211	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	369519	28.54	ug/L	0.00
7) Chloroethane-d5	2.89	69	306653	27.88	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	678703	28.97	ug/L	0.00
20) 2-Butanone-d5	7.07	46	269166	73.21	ug/L	0.00
24) Chloroform-d	7.65	84	637046	28.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	366894	30.19	ug/L	0.00
29) Benzene-d6	8.27	84	1320507	28.24	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	425239	29.25	ug/L	0.00
37) Toluene-d8	10.32	98	1180918	28.35	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	177915	30.72	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	201276	73.79	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	358062	31.39	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	364703	26.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	236042	23.481	ug/L	99
3) Chloromethane	2.21	50	314255	26.798	ug/L	98
5) Vinyl chloride	2.37	62	373266	22.624	ug/L	99
6) Bromomethane	2.78	94	184621	21.407	ug/L	99
8) Chloroethane	2.93	64	213659	23.904	ug/L	98
9) Trichlorofluoromethane	3.26	101	189806	23.958	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	299009	26.424	ug/L	92
12) 1,1-Dichloroethene	4.04	96	281116	25.192	ug/L	94
13) Acetone	4.12	43	230240	58.474	ug/L	96
14) Carbon disulfide	4.39	76	864514	23.666	ug/L	100
15) Methyl Acetate	4.67	43	205704	35.007	ug/L	93
16) Methylene chloride	4.92	84	316854	22.937	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	376502	25.524	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	285452	24.759	ug/L	92
19) 1,1-Dichloroethane	6.21	63	581195	26.881	ug/L	98
21) 2-Butanone	7.17	43	282884	64.165	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	304330	25.212	ug/L	97
23) Bromochloromethane	7.51	128	128854	24.428	ug/L	88
25) Chloroform	7.68	83	533140	26.428	ug/L	99
27) 1,2-Dichloroethane	8.40	62	385244	28.902	ug/L	97
30) Cyclohexane	7.95	56	563503	27.773	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	412768	25.442	ug/L	98
32) Carbon tetrachloride	8.07	117	372120	24.474	ug/L	100
34) Benzene	8.32	78	1249956	26.267	ug/L	100
35) Trichloroethene	9.09	95	301487	24.939	ug/L	97
36) Methylcyclohexane	9.34	83	551657	26.230	ug/L	95
40) 1,2-Dichloropropane	9.37	63	333764	27.667	ug/L	100
41) Bromodichloromethane	9.64	83	387471	26.876	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	486239	27.597	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	562066	70.859	ug/L	96

Data File : VW014827.D
Acq On : 03 Feb 2020 10:55
Operator : SY/VA
Sample : VSTD02511
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Quant Time: Feb 03 11:38:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 19:04:52 2020
Response via : Initial Calibration

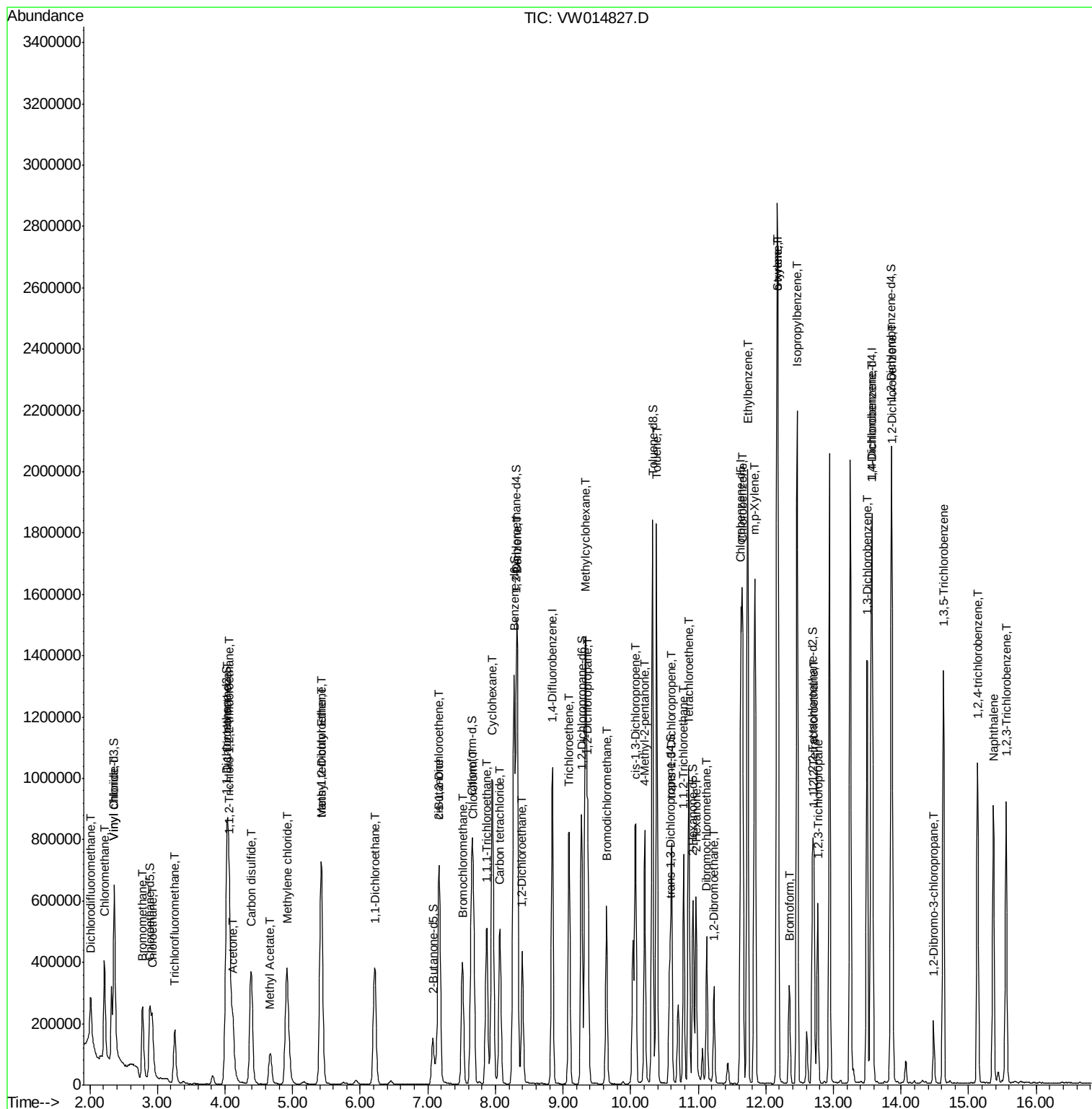
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	1282466	26.523	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	404094	28.252	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	229402	27.857	ug/L	98
47) Tetrachloroethene	10.86	164	227367	23.539	ug/L	96
49) 2-Hexanone	10.97	43	410577	71.994	ug/L	96
50) Dibromochloromethane	11.13	129	243821	25.950	ug/L	95
51) 1,2-Dibromoethane	11.23	107	217125	27.410	ug/L	99
52) Chlorobenzene	11.66	112	753541	24.958	ug/L	98
53) Ethylbenzene	11.73	91	1396623	26.431	ug/L	100
54) m,p-Xylene	11.84	106	508935	25.766	ug/L	100
55) o-xylene	12.16	106	482333	26.025	ug/L	94
56) Styrene	12.18	104	835771	26.590	ug/L	99
57) Isopropylbenzene	12.46	105	1317696	26.252	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	315268	29.714	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	244422	30.668	ug/L	99
62) Bromoform	12.35	173	142335	25.744	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	557162	24.502	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	558801	24.520	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	512746	24.791	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	54780	32.293	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	404358	24.008	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	326579	26.128	ug/L	99
69) Naphthalene	15.36	128	729179	32.256	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	307824	26.861	ug/L	98

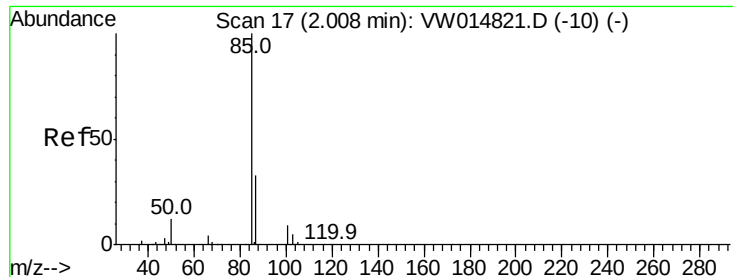
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW014827.D
Acq On : 03 Feb 2020 10:55
Operator : SY/VA
Sample : VSTD02511
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sample Id :
VSTD02501

Quant Time: Feb 03 11:38:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 31 19:04:52 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.481 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

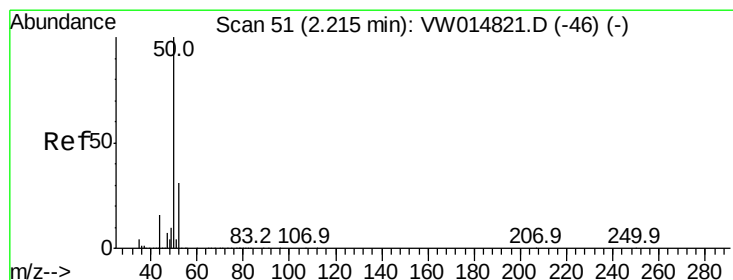
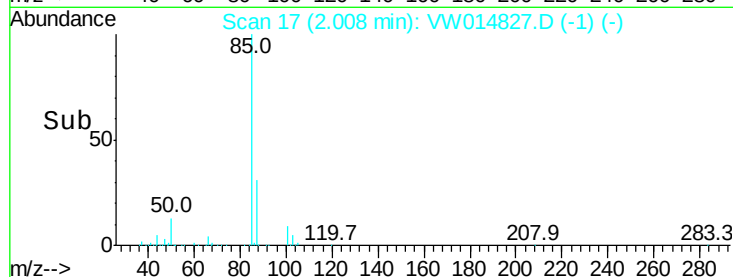
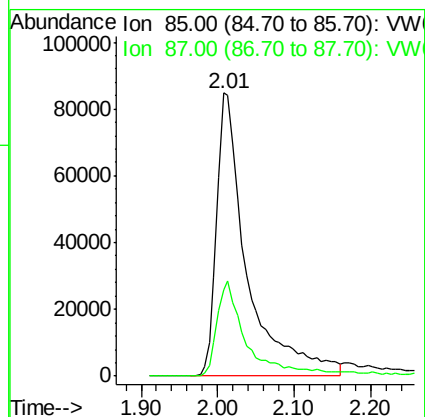
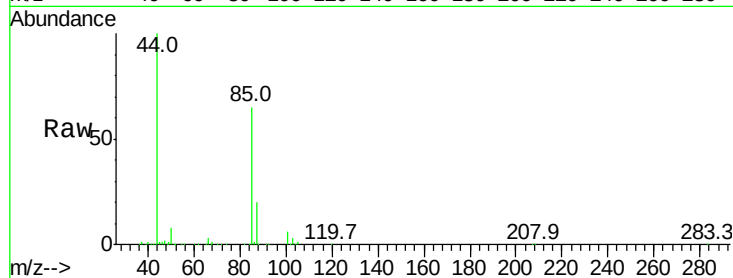
VSTD02501

Tgt Ion: 85 Resp: 236042

Ion Ratio Lower Upper

85 100

87 30.3 21.4 39.8



#3

Chloromethane

Concen: 26.798 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014827.D

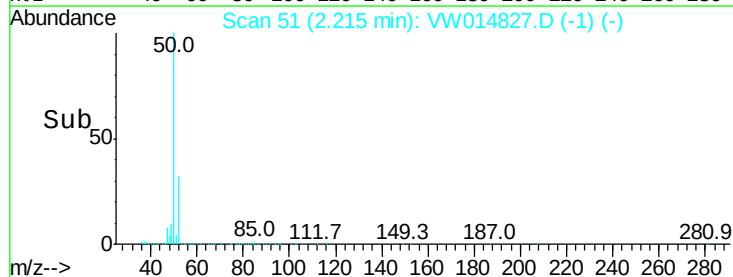
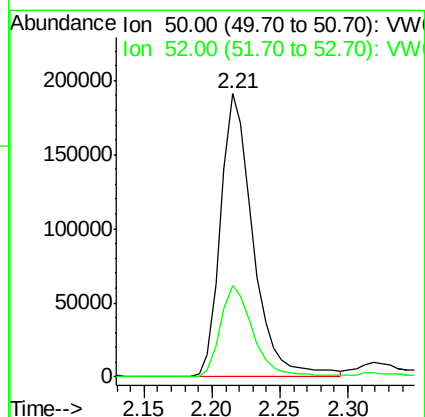
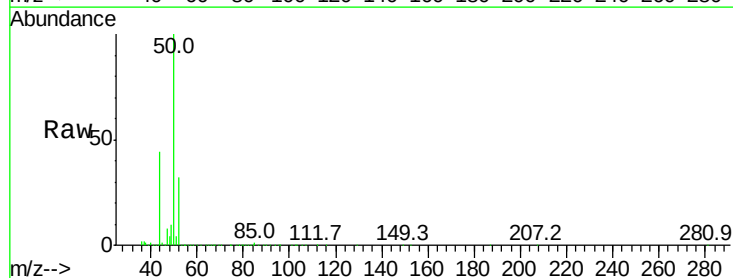
Acq: 03 Feb 2020 10:55

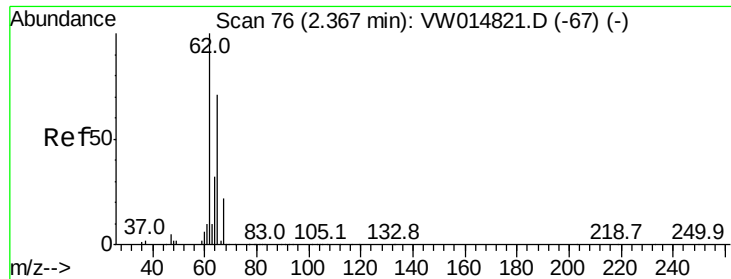
Tgt Ion: 50 Resp: 314255

Ion Ratio Lower Upper

50 100

52 32.3 21.8 40.6





#5

Vinyl chloride

Concen: 22.624 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

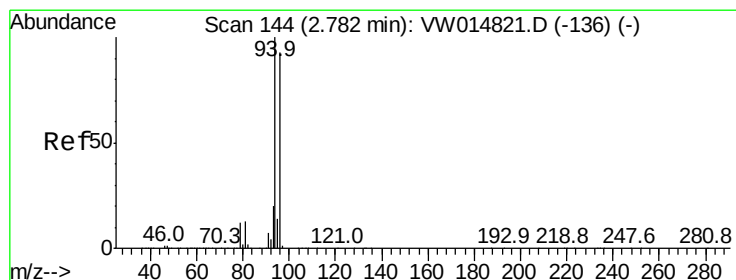
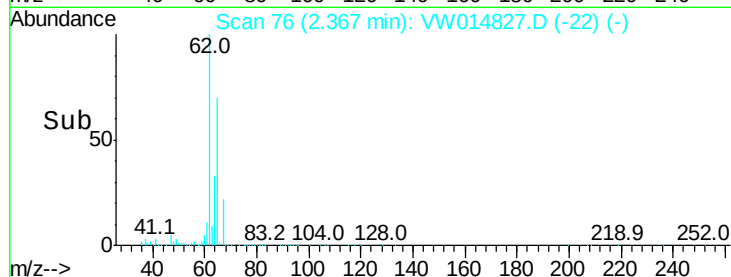
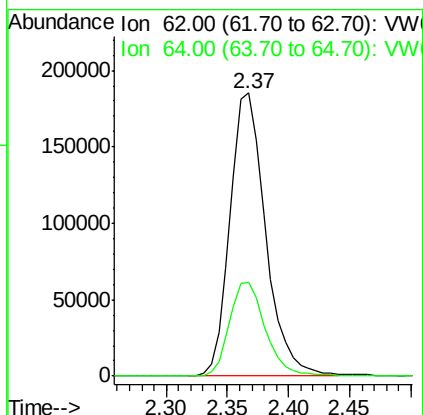
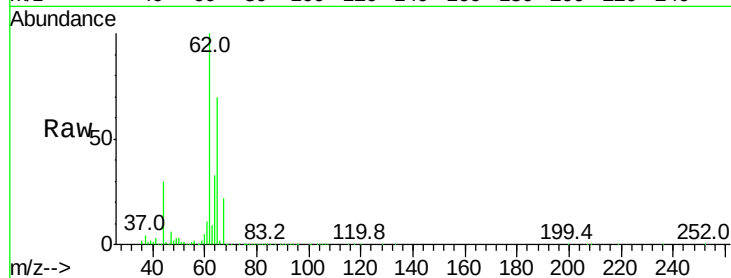
VSTD02501

Tgt Ion: 62 Resp: 373266

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.1



#6

Bromomethane

Concen: 21.407 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014827.D

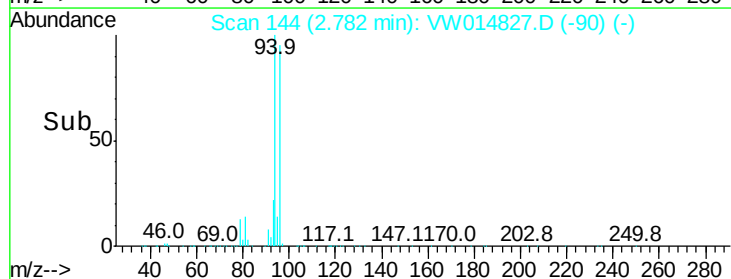
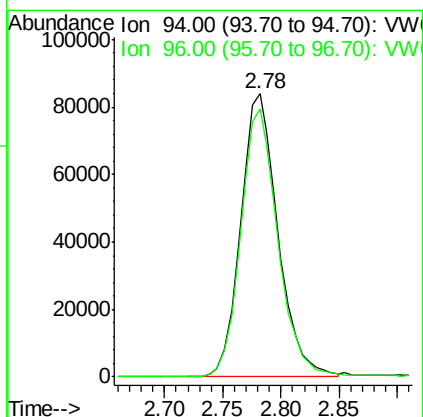
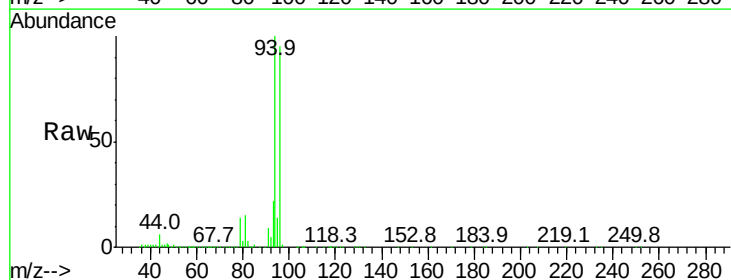
Acq: 03 Feb 2020 10:55

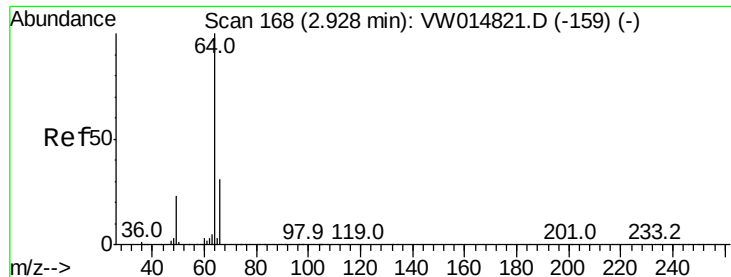
Tgt Ion: 94 Resp: 184621

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.8





#8

Chloroethane

Concen: 23.904 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

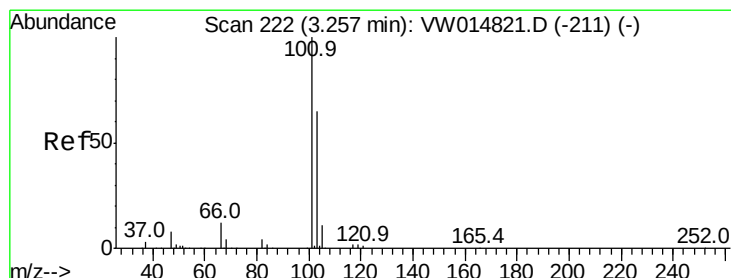
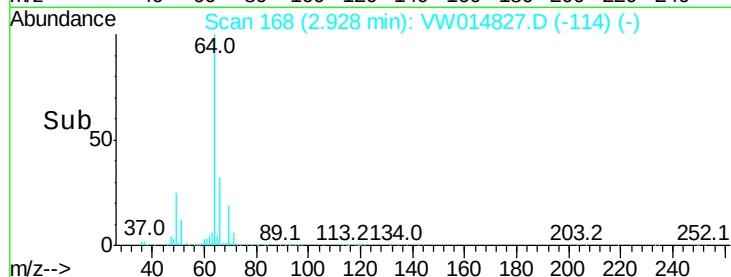
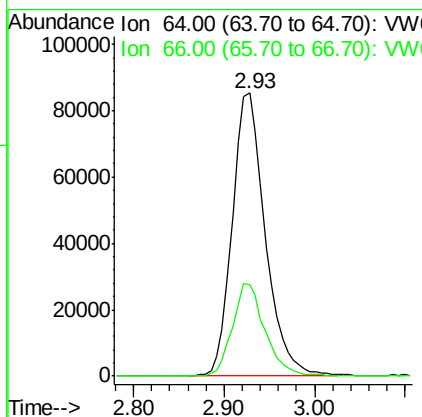
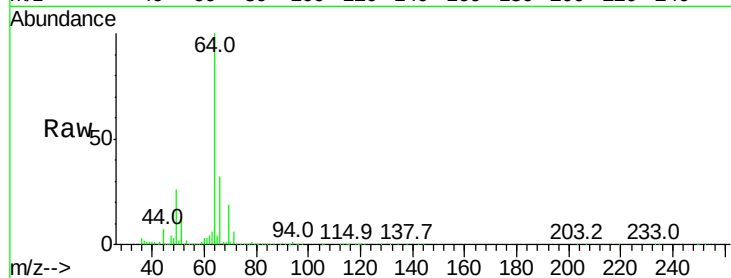
VSTD02501

Tgt Ion: 64 Resp: 213659

Ion Ratio Lower Upper

64 100

66 32.1 21.8 40.6



#9

Trichlorofluoromethane

Concen: 23.958 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014827.D

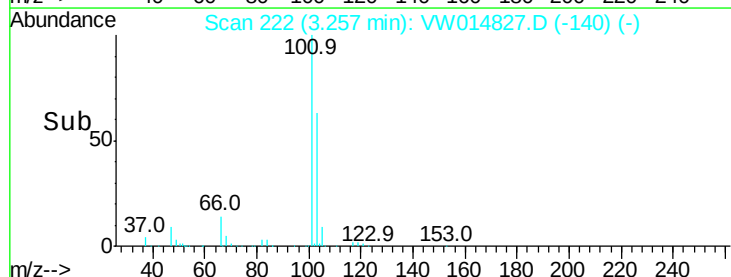
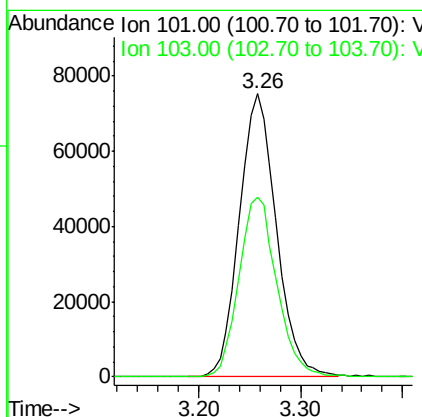
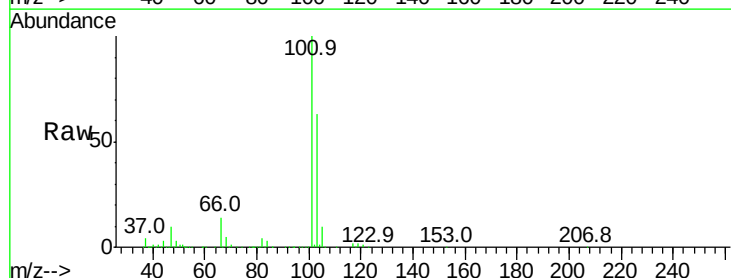
Acq: 03 Feb 2020 10:55

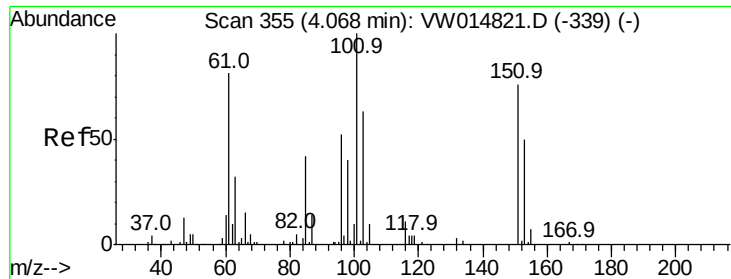
Tgt Ion: 101 Resp: 189806

Ion Ratio Lower Upper

101 100

103 64.9 45.0 83.6





#11

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

Concen: 26.424 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampled :

VSTD02501

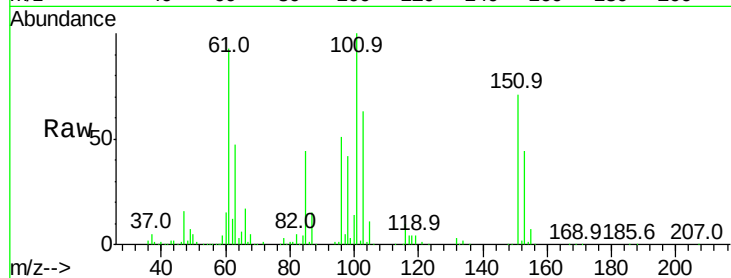
Tgt Ion: 101 Resp: 299009

Ion Ratio Lower Upper

101 100

85 43.6 33.3 49.9

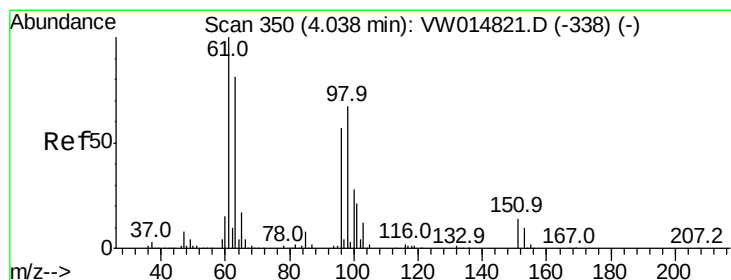
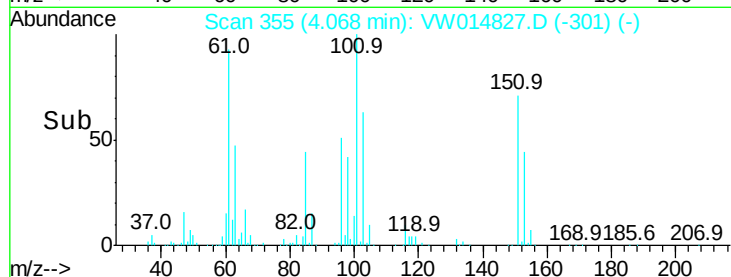
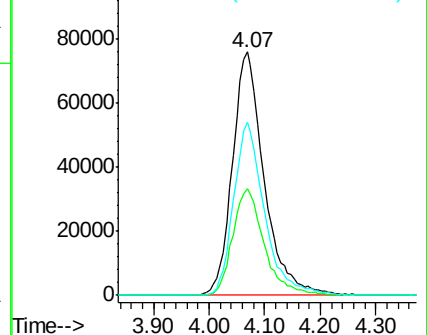
151 69.0 62.4 93.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.192 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

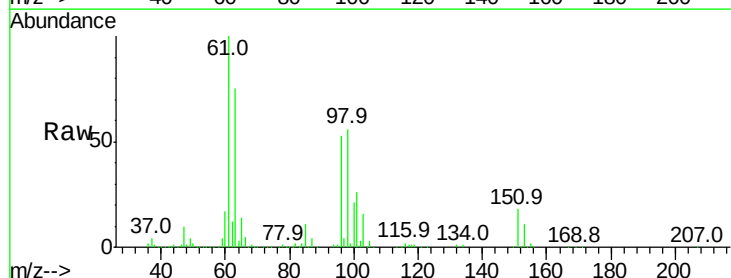
Tgt Ion: 96 Resp: 281116

Ion Ratio Lower Upper

96 100

61 187.9 122.4 227.2

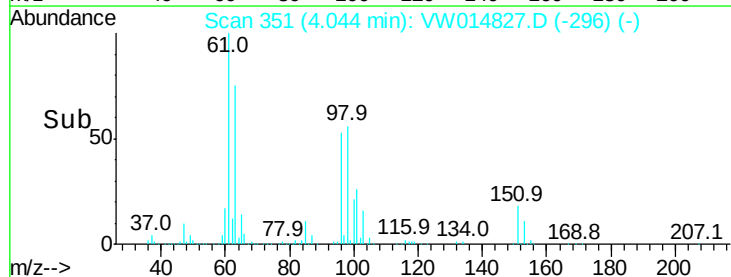
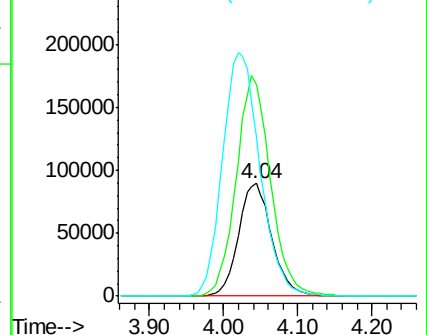
63 141.1 101.2 188.0

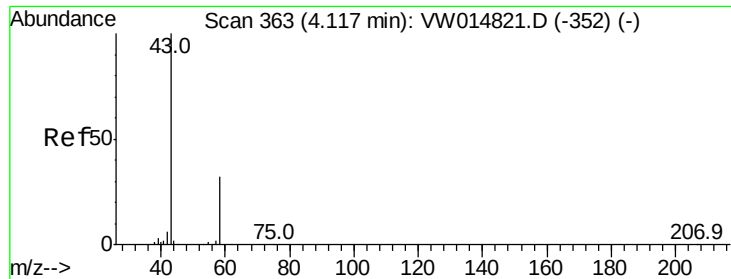


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.474 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampled :

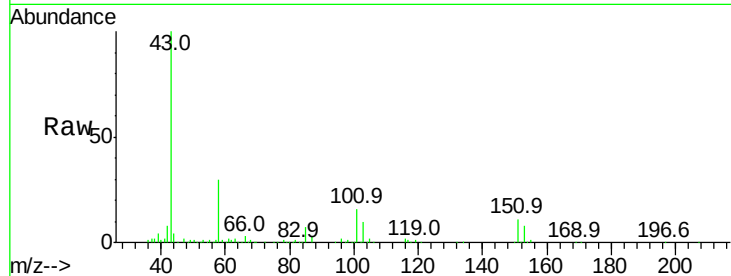
VSTD02501

Tgt Ion: 43 Resp: 230240

Ion Ratio Lower Upper

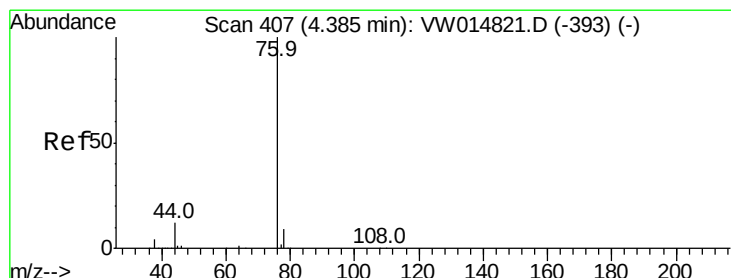
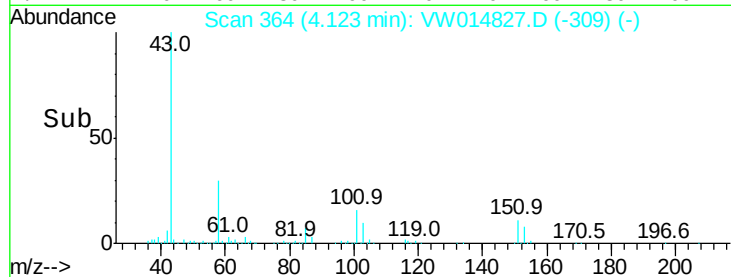
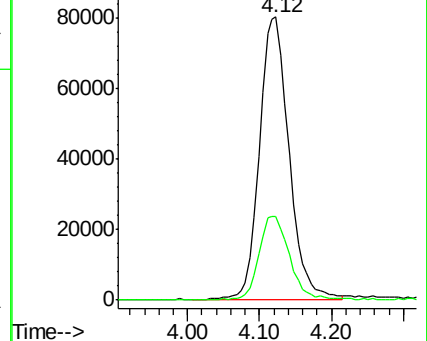
43 100

58 30.1 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.666 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014827.D

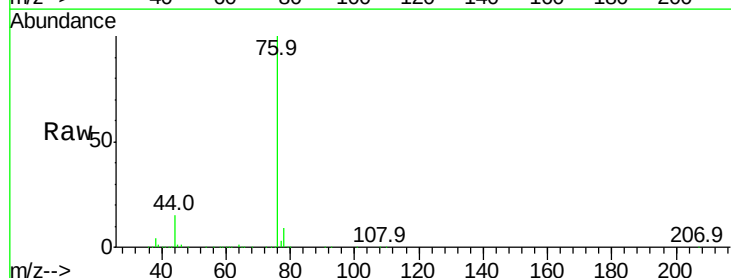
Acq: 03 Feb 2020 10:55

Tgt Ion: 76 Resp: 864514

Ion Ratio Lower Upper

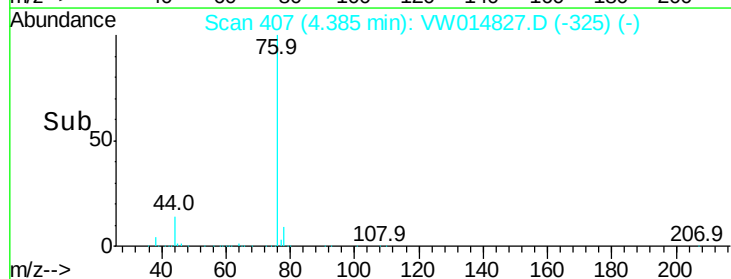
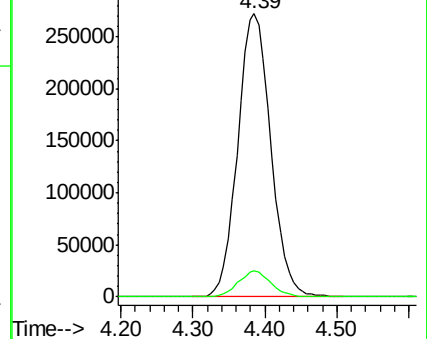
76 100

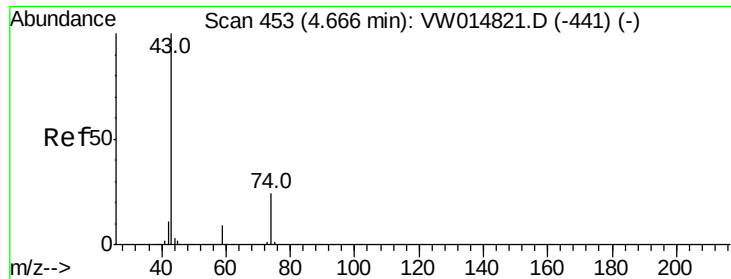
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

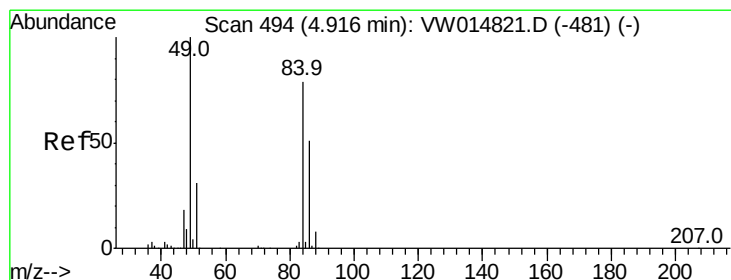
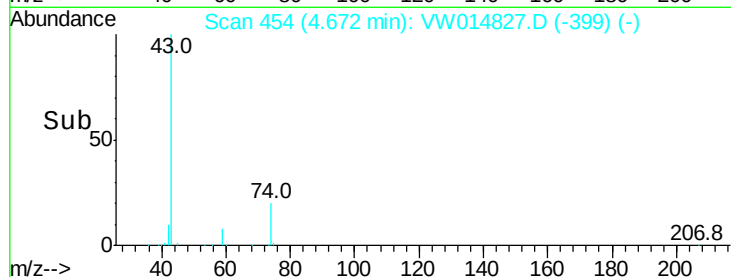
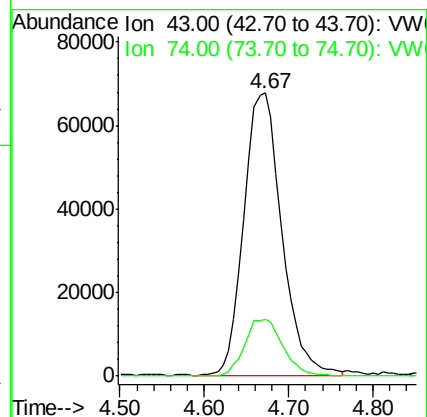
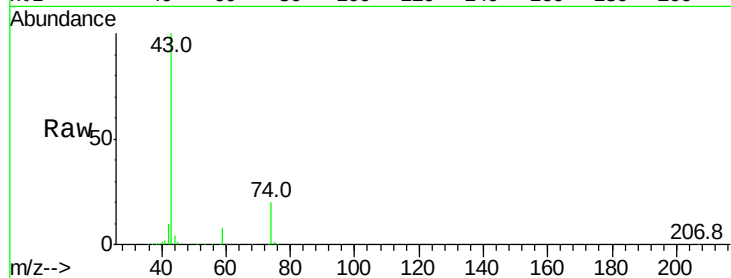




#15
Methyl Acetate
Concen: 35.007 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

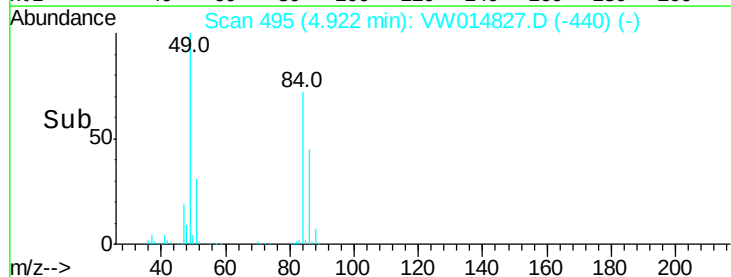
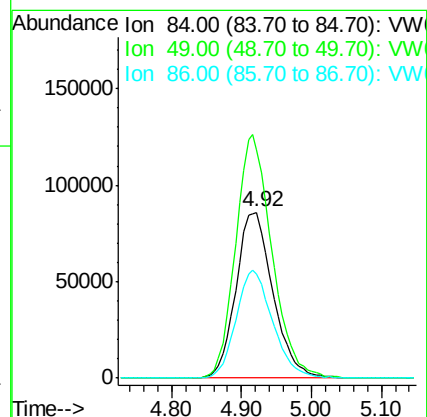
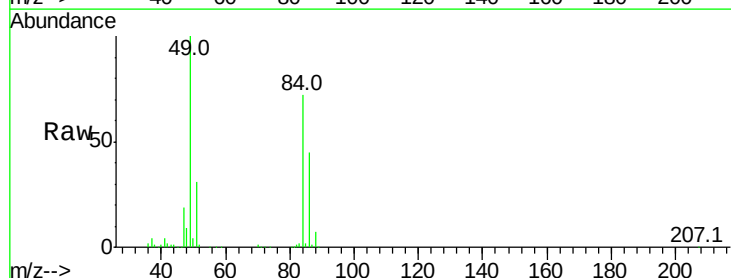
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

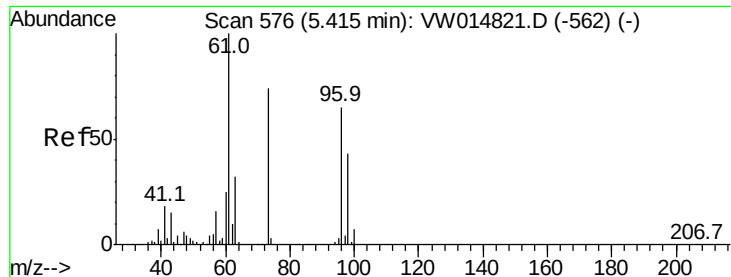
Tgt Ion: 43 Resp: 205704
Ion Ratio Lower Upper
43 100
74 20.4 19.1 28.7



#16
Methylene chloride
Concen: 22.937 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Tgt Ion: 84 Resp: 316854
Ion Ratio Lower Upper
84 100
49 138.0 88.5 164.3
86 62.6 44.7 82.9

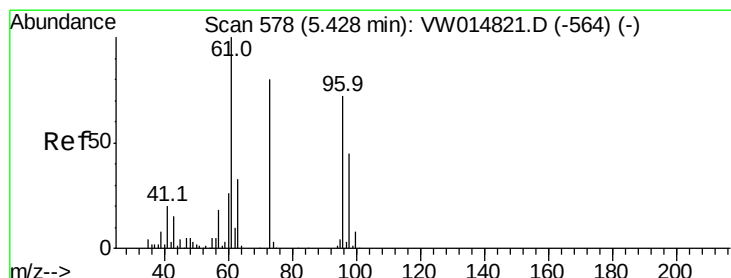
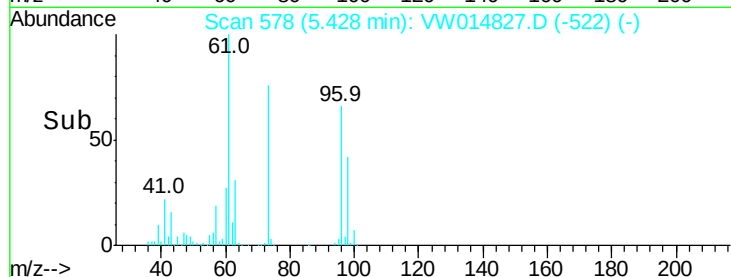
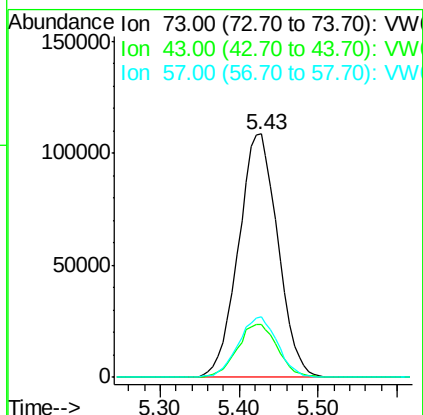
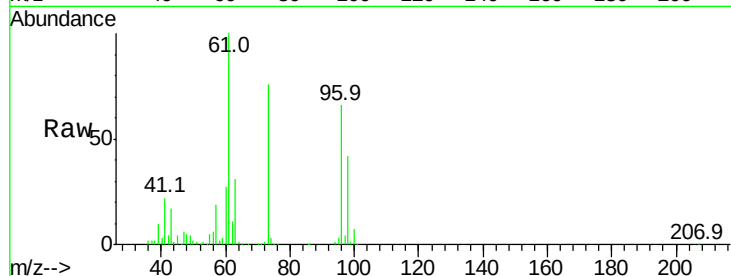




#17
Methyl tert-butyl Ether
Concen: 25.524 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

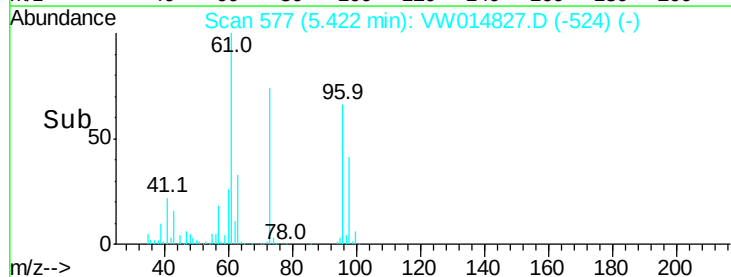
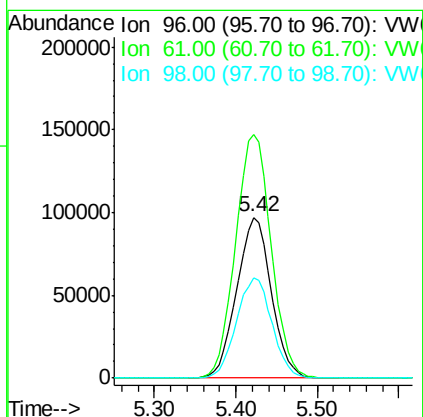
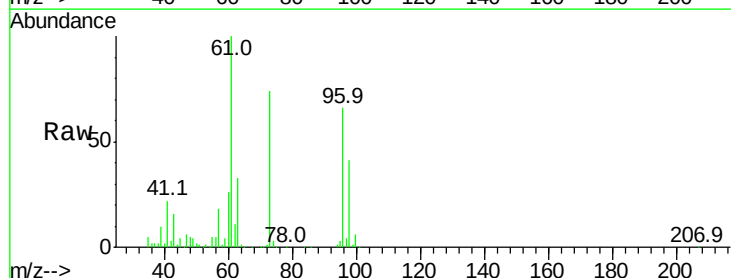
Instrument :
MSVOA_W
ClientSampled :
VSTD02501

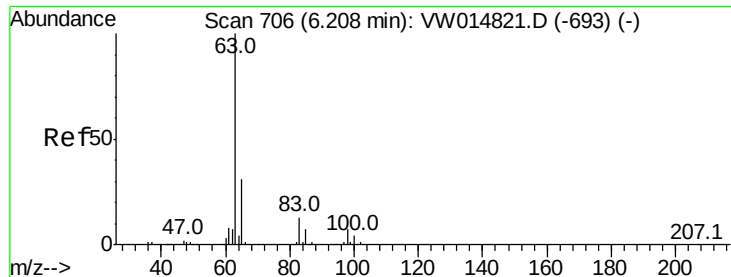
Tgt Ion: 73 Resp: 376502
Ion Ratio Lower Upper
73 100
43 22.0 16.1 24.1
57 24.7 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 24.759 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Tgt Ion: 96 Resp: 285452
Ion Ratio Lower Upper
96 100
61 151.8 96.7 179.7
98 62.2 44.0 81.8





#19

1,1-Dichloroethane

Concen: 26.881 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

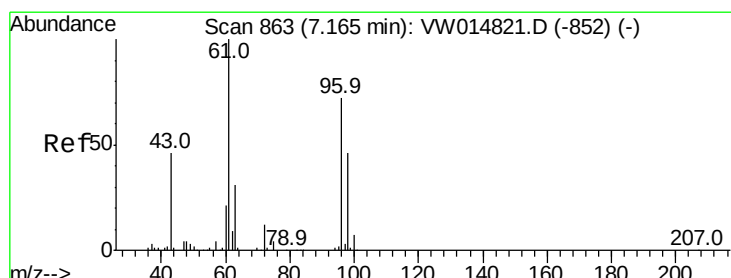
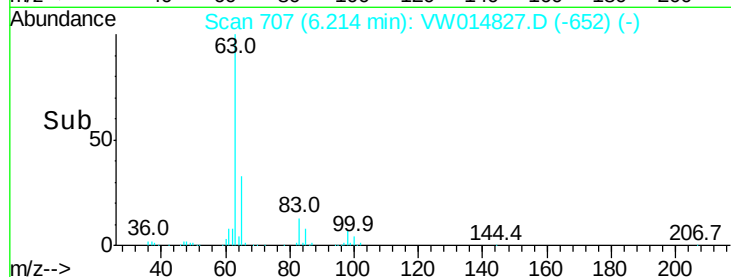
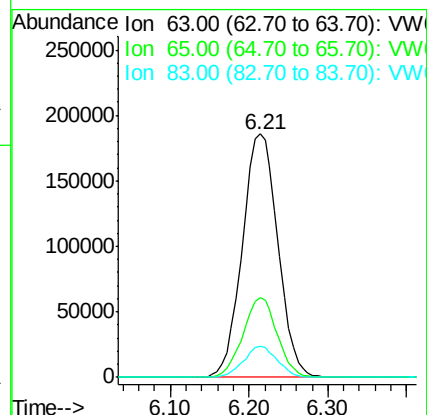
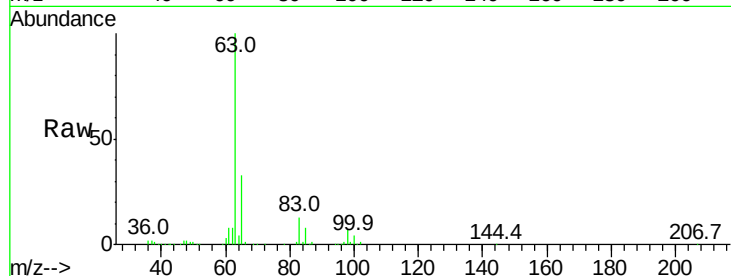
Tgt Ion: 63 Resp: 581195

Ion Ratio Lower Upper

63 100

65 32.8 21.6 40.2

83 12.8 9.0 16.6



#21

2-Butanone

Concen: 64.165 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014827.D

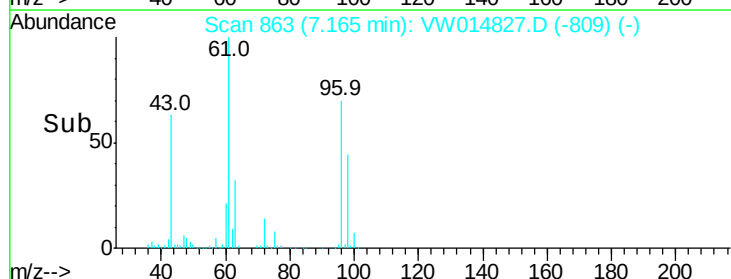
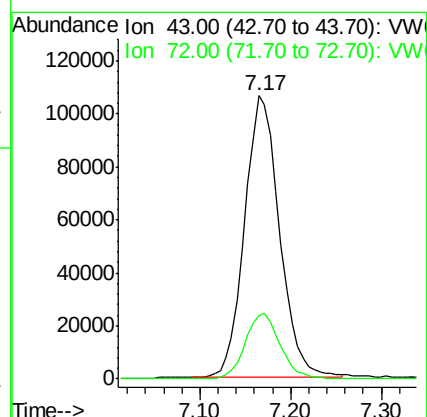
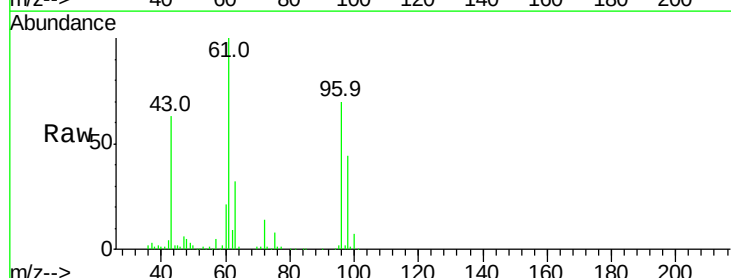
Acq: 03 Feb 2020 10:55

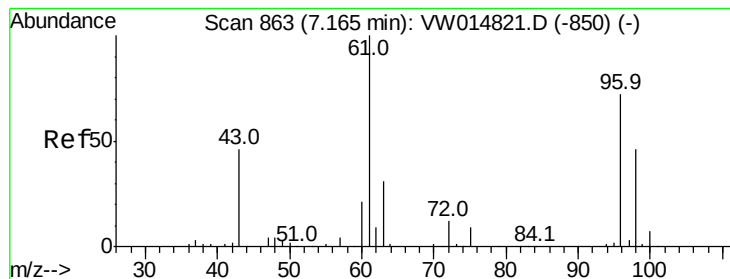
Tgt Ion: 43 Resp: 282884

Ion Ratio Lower Upper

43 100

72 23.3 12.6 37.6



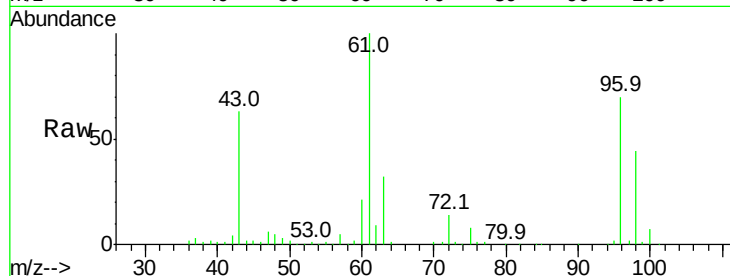


#22

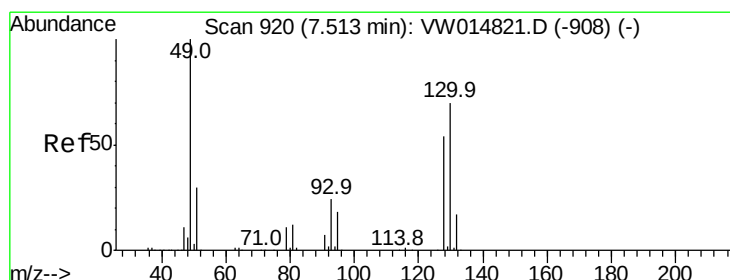
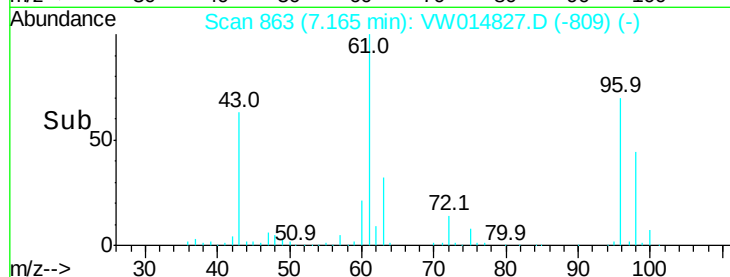
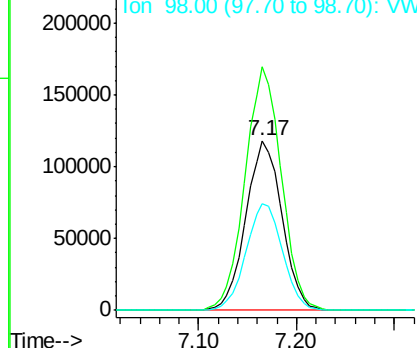
cis-1,2-Dichloroethene
Concen: 25.212 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

Tgt Ion: 96 Resp: 304330
Ion Ratio Lower Upper
96 100
61 143.7 97.6 181.4
98 62.9 45.1 83.7



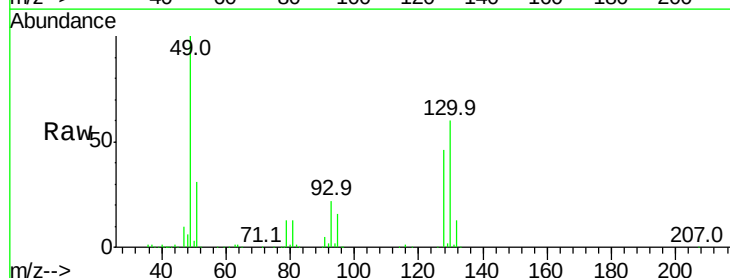
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



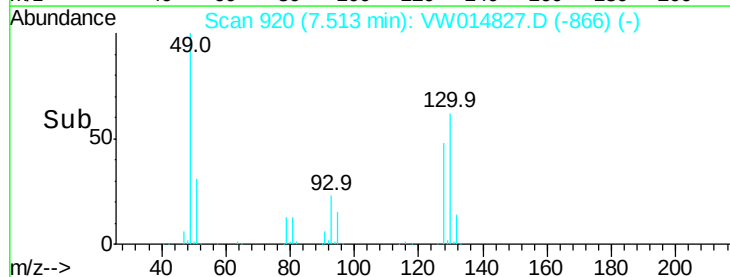
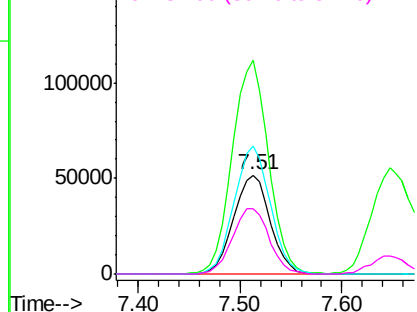
#23

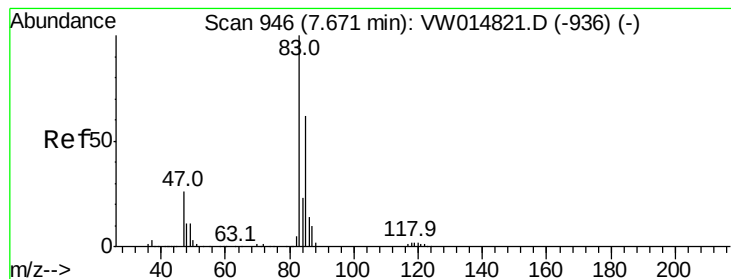
Bromochloromethane
Concen: 24.428 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Tgt Ion: 128 Resp: 128854
Ion Ratio Lower Upper
128 100
49 215.3 129.9 241.3
130 129.5 90.4 167.8
51 65.8 45.3 67.9



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 26.428 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

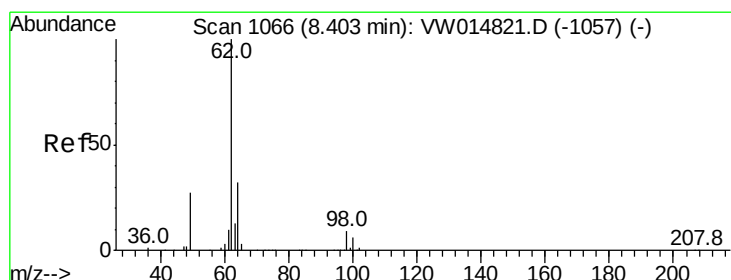
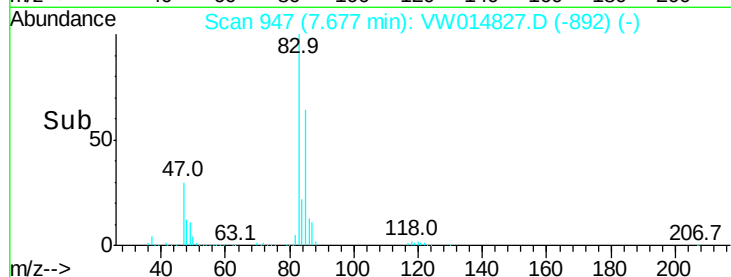
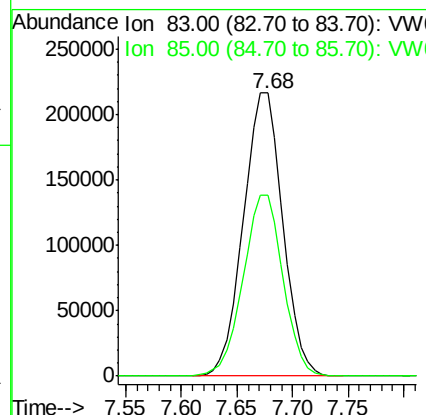
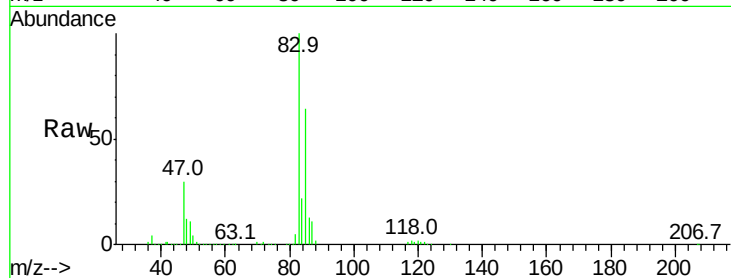
VSTD02501

Tgt Ion: 83 Resp: 533140

Ion Ratio Lower Upper

83 100

85 64.8 45.7 84.9



#27

1,2-Dichloroethane

Concen: 28.902 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW014827.D

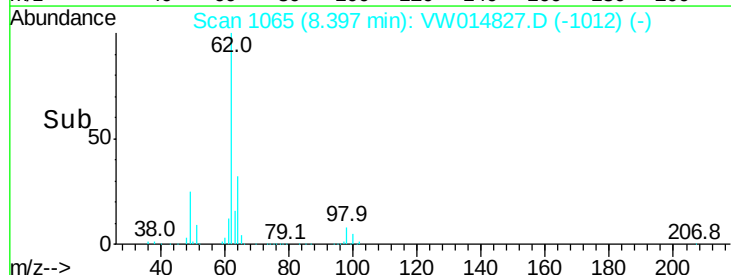
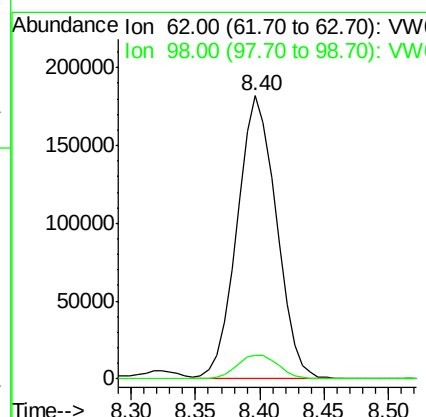
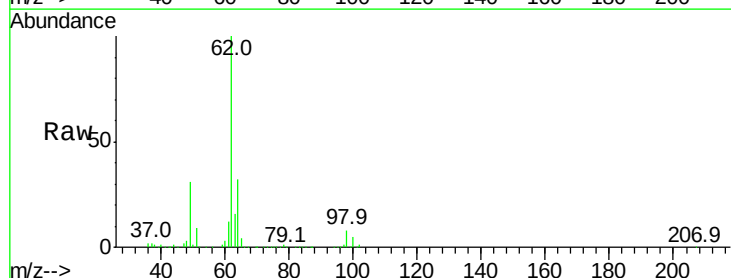
Acq: 03 Feb 2020 10:55

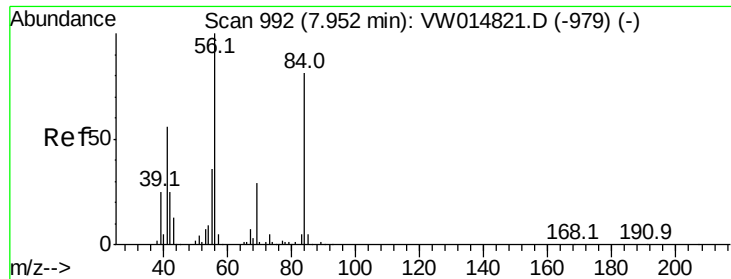
Tgt Ion: 62 Resp: 385244

Ion Ratio Lower Upper

62 100

98 8.5 7.6 11.4

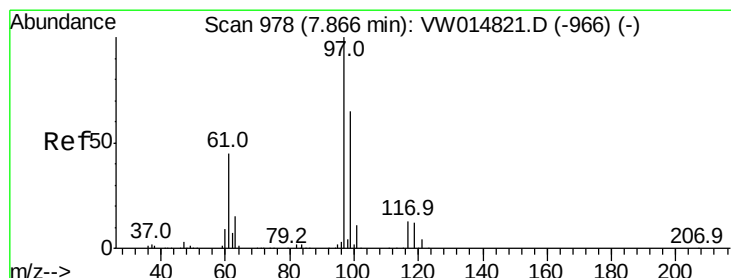
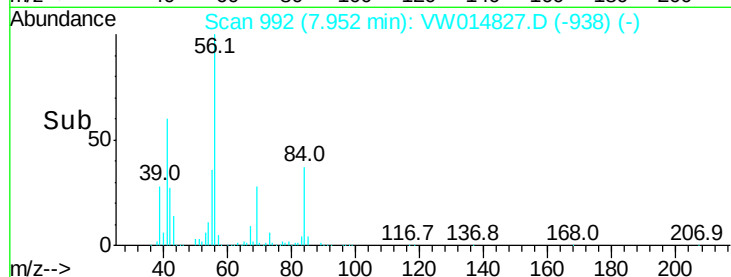
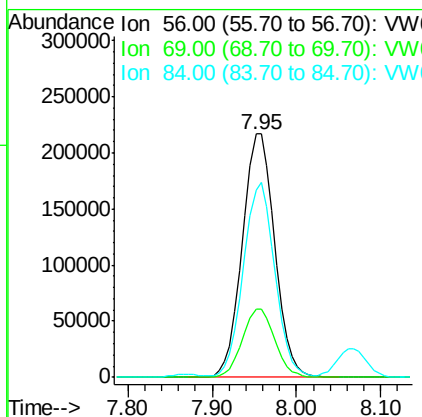
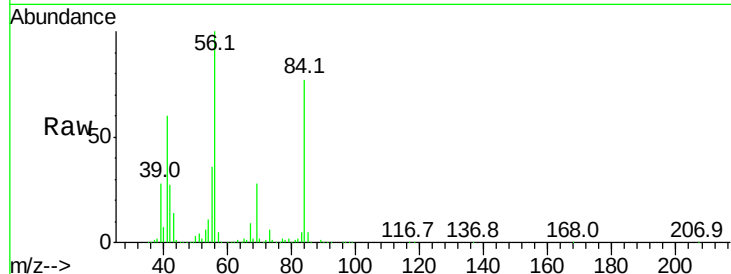




#30
Cyclohexane
Concen: 27.773 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

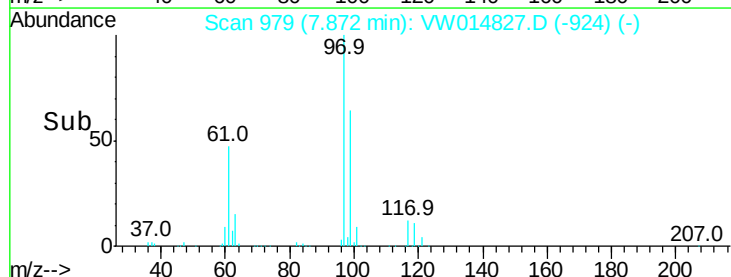
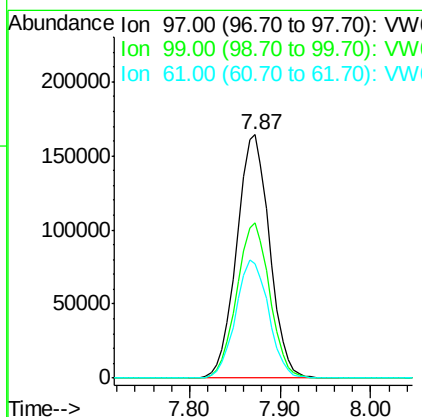
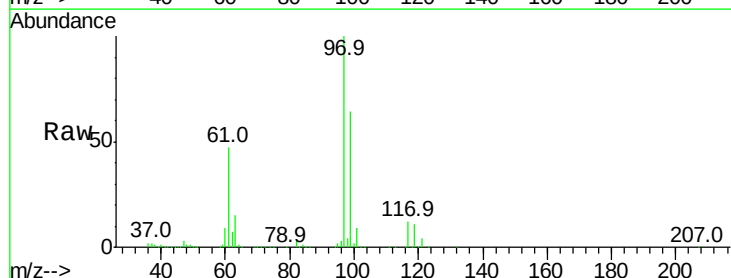
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

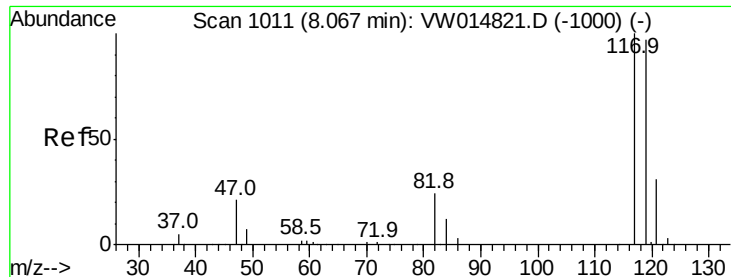
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.8	35.6
84	77.8	66.6	99.8



#31
1,1,1-Trichloroethane
Concen: 25.442 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	48.7	36.6	55.0





#32

Carbon tetrachloride

Concen: 24.474 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

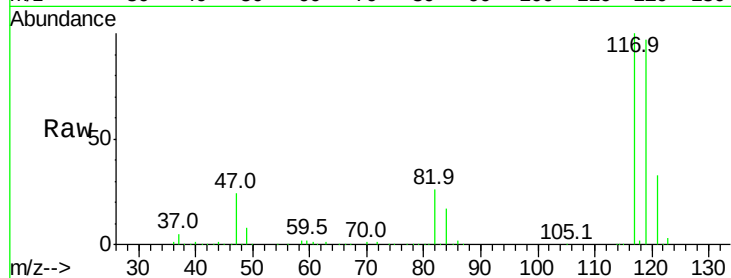
VSTD02501

Tgt Ion:117 Resp: 372120

Ion Ratio Lower Upper

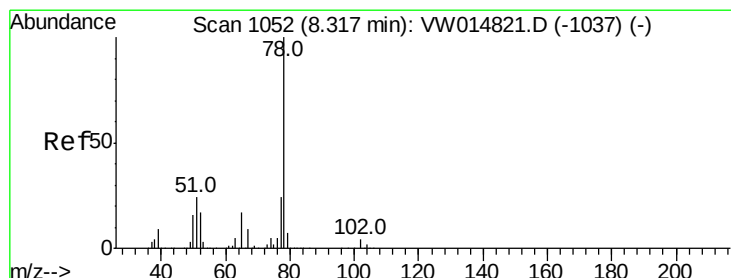
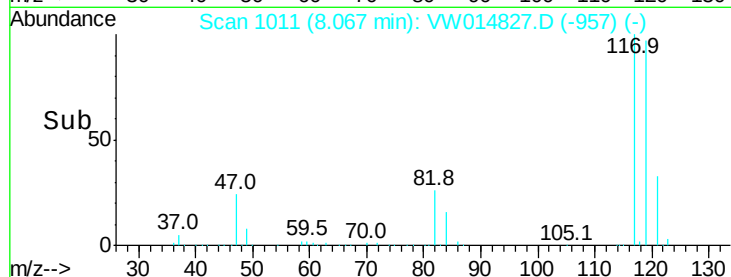
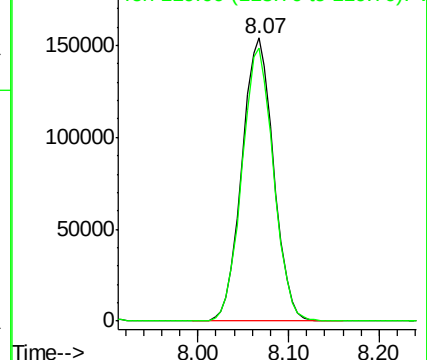
117 100

119 96.2 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.267 ug/L

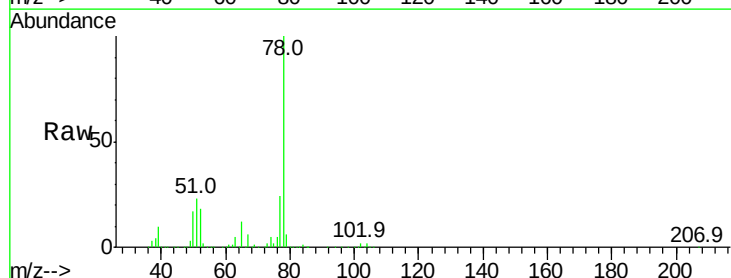
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

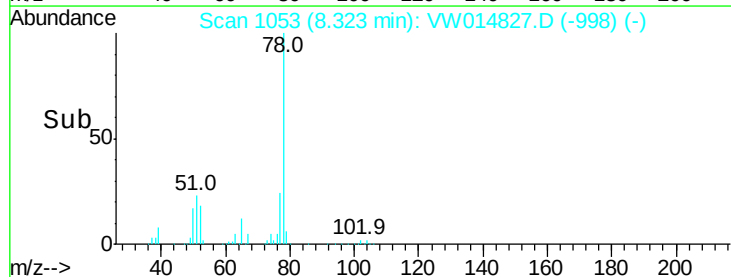
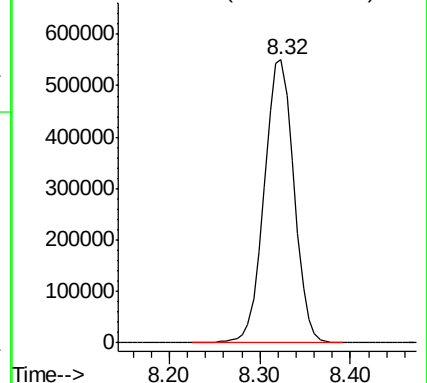
Lab File: VW014827.D

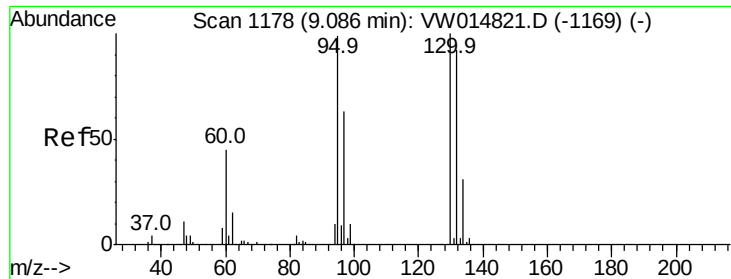
Acq: 03 Feb 2020 10:55

Tgt Ion: 78 Resp: 1249956



Abundance Ion 78.00 (77.70 to 78.70): VW

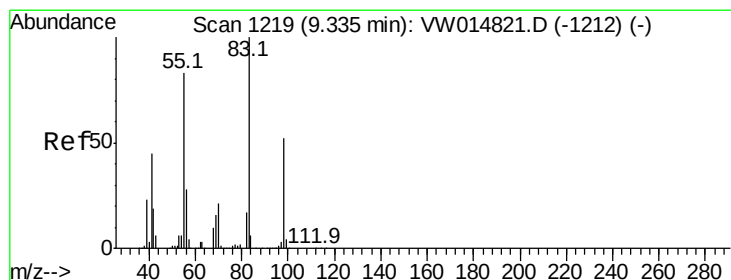
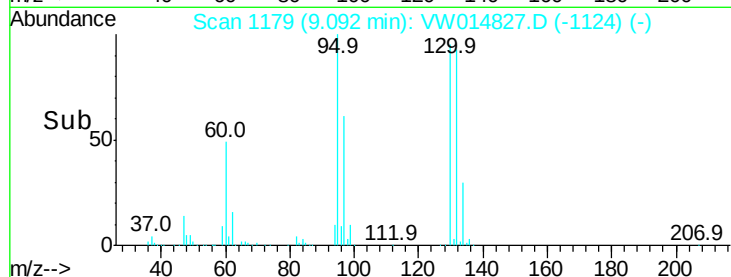
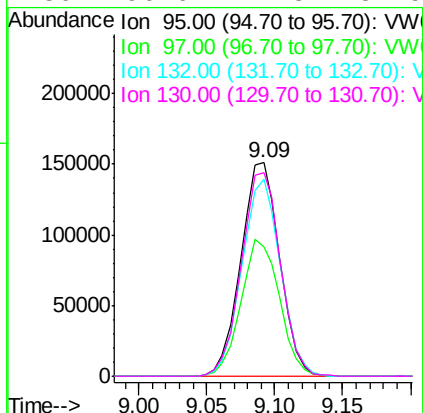
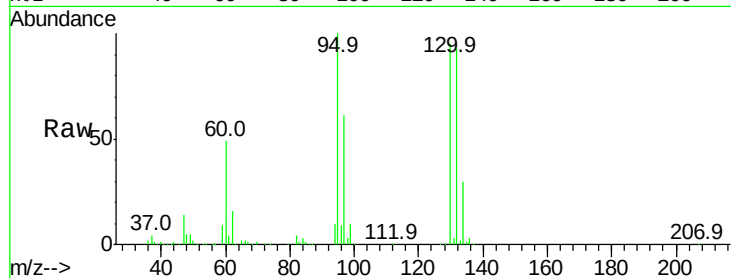




#35
 Trichloroethene
 Concen: 24.939 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

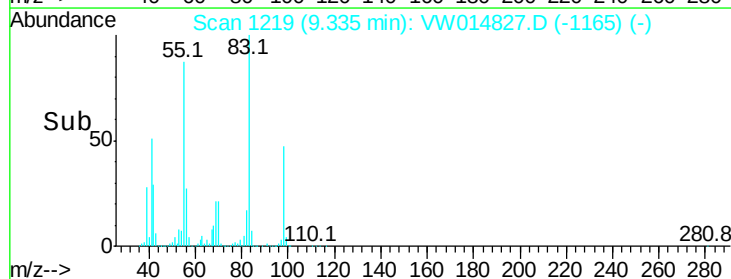
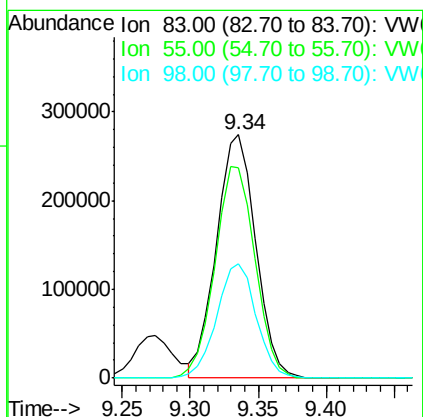
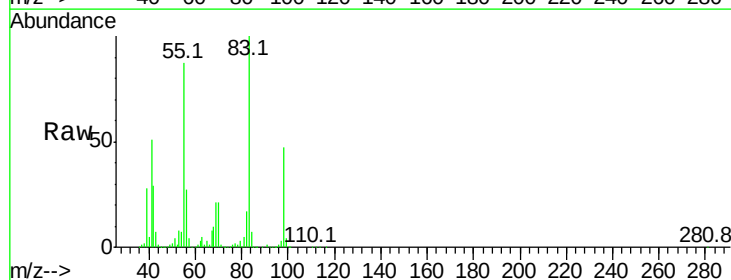
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

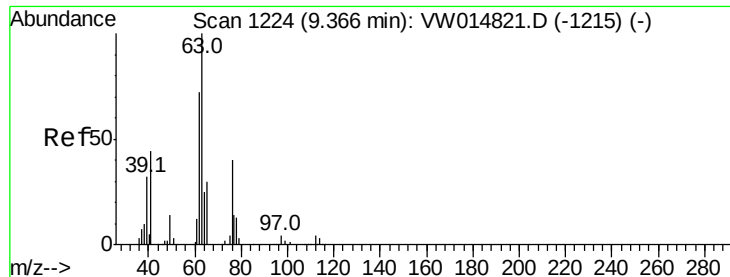
Tgt Ion:	95	Resp:	301487
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.4	82.4
132	91.9	66.8	124.2
130	96.6	71.3	132.5



#36
 Methylcyclohexane
 Concen: 26.230 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

Tgt Ion:	83	Resp:	551657
Ion	Ratio	Lower	Upper
83	100		
55	88.8	65.9	98.9
98	47.1	38.2	57.2





#40

1,2-Dichloropropane

Concen: 27.667 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

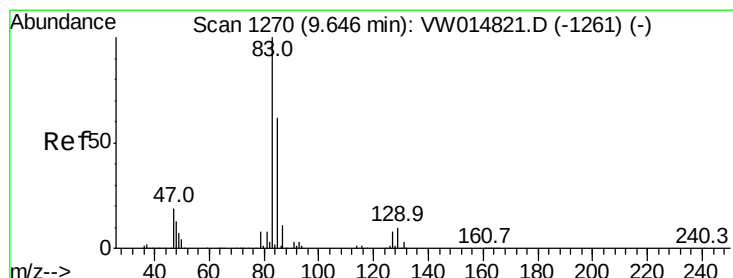
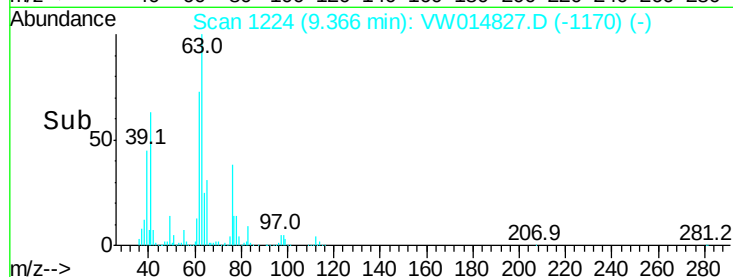
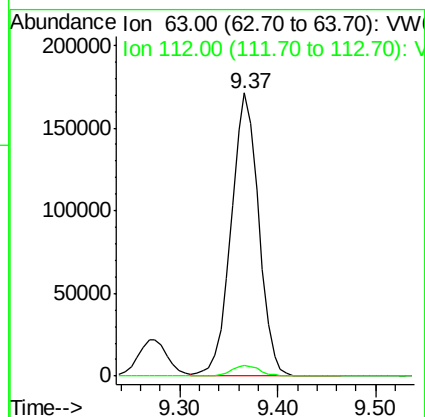
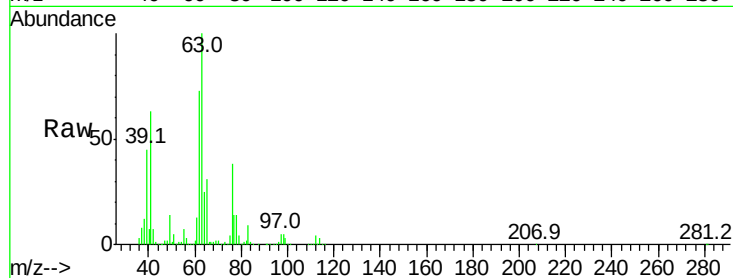
VSTD02501

Tgt Ion: 63 Resp: 333764

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#41

Bromodichloromethane

Concen: 26.876 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

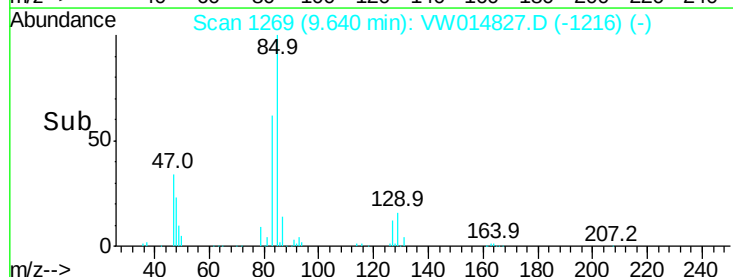
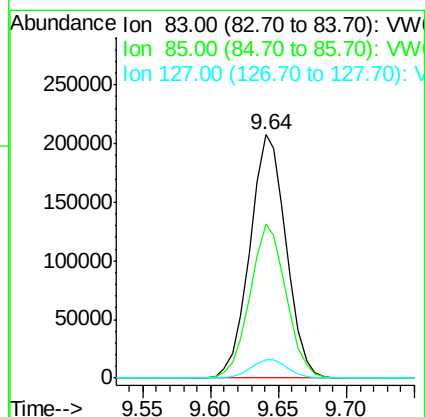
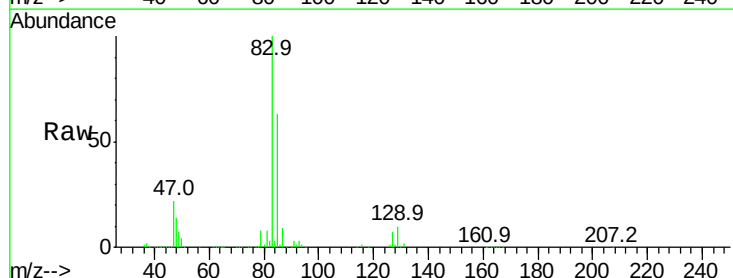
Tgt Ion: 83 Resp: 387471

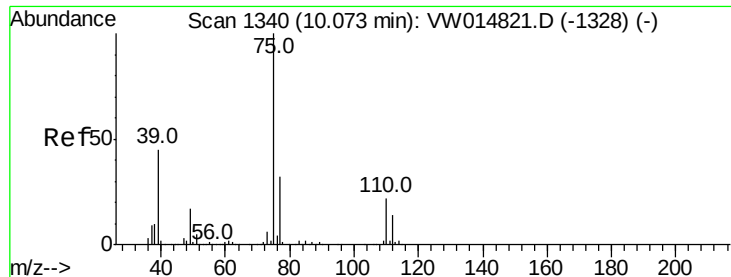
Ion Ratio Lower Upper

83 100

85 63.1 43.8 81.3

127 7.5 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 27.597 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

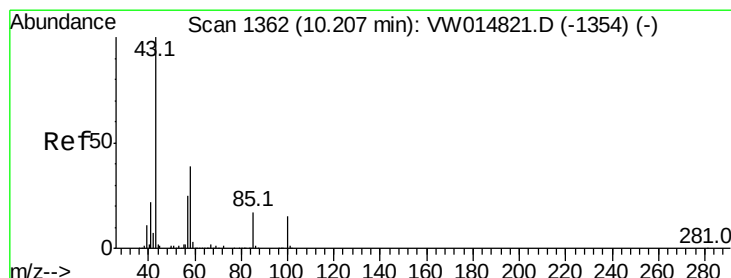
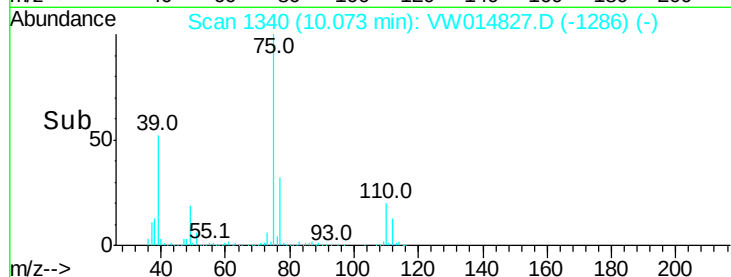
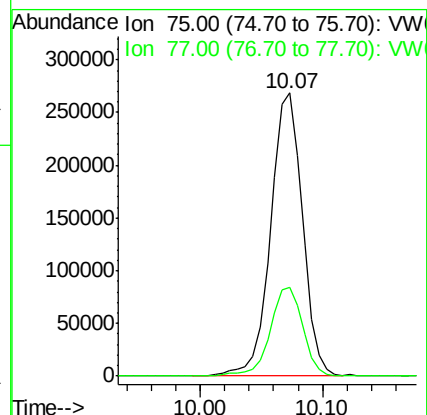
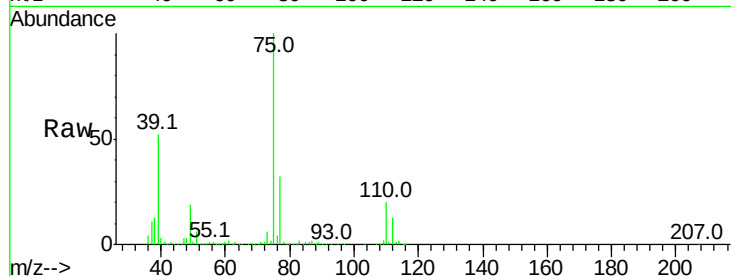
VSTD02501

Tgt Ion: 75 Resp: 486239

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 70.859 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

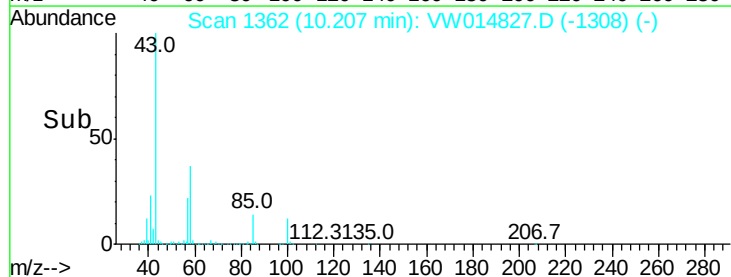
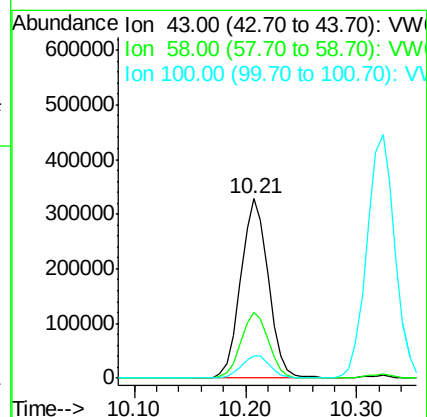
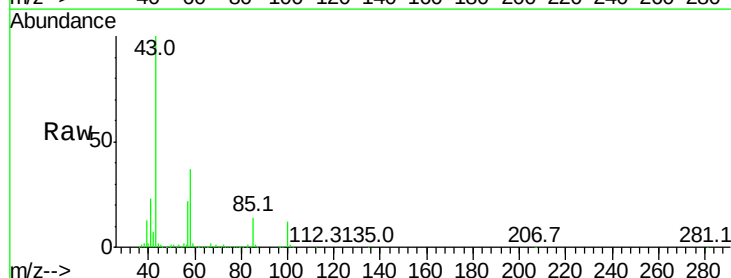
Tgt Ion: 43 Resp: 562066

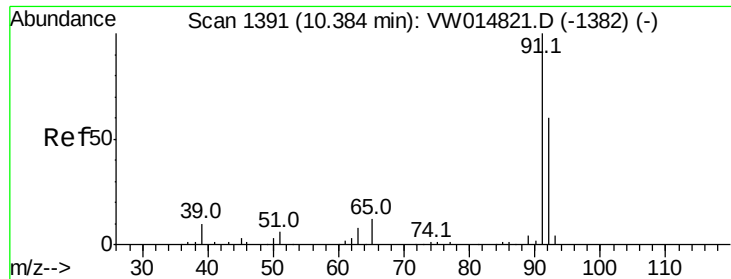
Ion Ratio Lower Upper

43 100

58 36.6 31.4 47.0

100 12.8 12.0 18.0





#44

Toluene

Concen: 26.523 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampled :

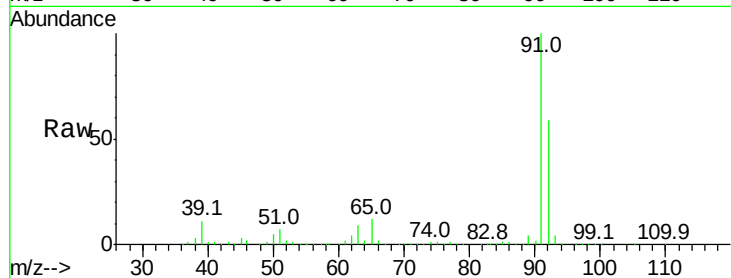
VSTD02501

Tgt Ion: 91 Resp: 1282466

Ion Ratio Lower Upper

91 100

92 59.4 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

800000

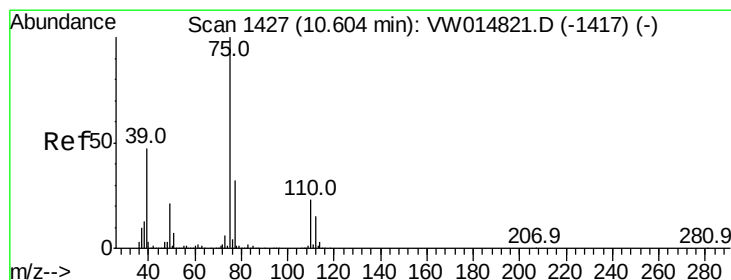
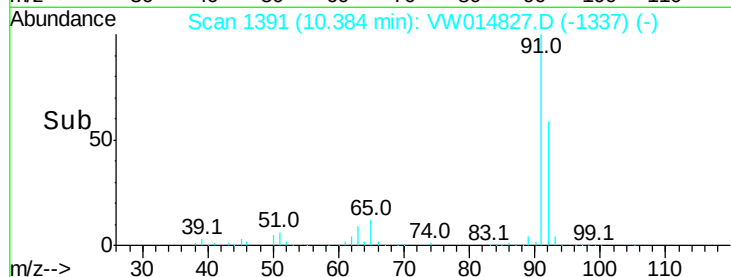
600000

400000

200000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 28.252 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014827.D

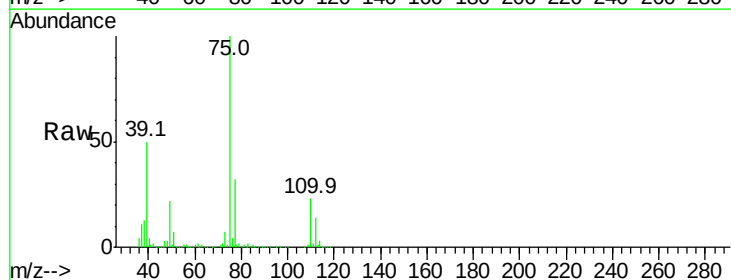
Acq: 03 Feb 2020 10:55

Tgt Ion: 75 Resp: 404094

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

250000

200000

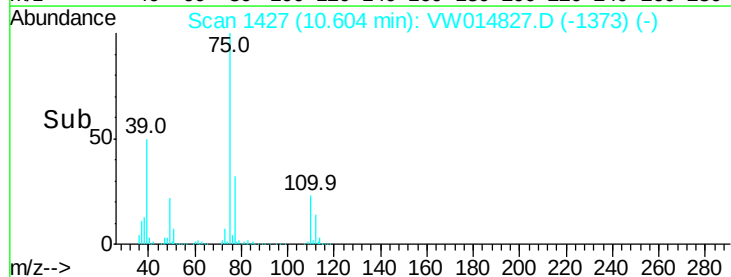
150000

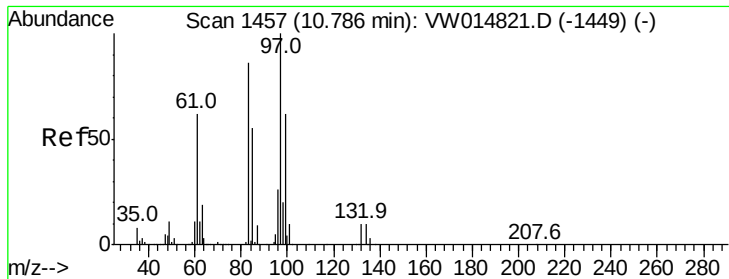
100000

50000

0

Time--> 10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 27.857 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

Tgt Ion: 97 Resp: 229402

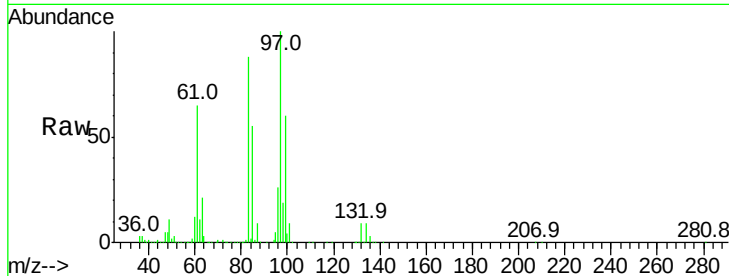
Ion Ratio Lower Upper

97 100

83 88.5 60.3 111.9

85 55.0 38.7 71.9

99 60.0 43.2 80.2

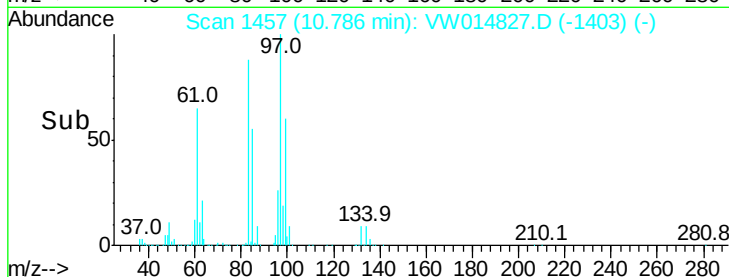


Abundance Ion 97.00 (96.70 to 97.70): VW

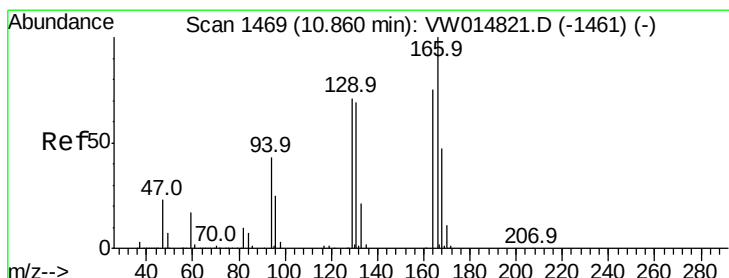
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time--> 10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 23.539 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Tgt Ion: 164 Resp: 227367

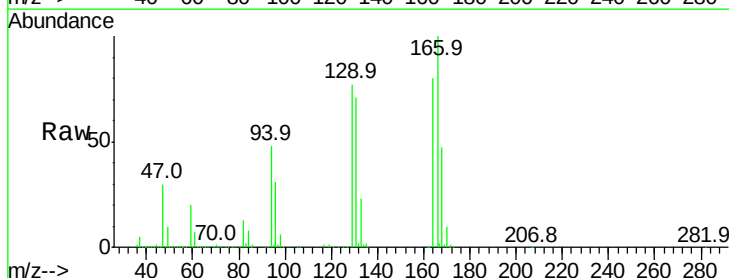
Ion Ratio Lower Upper

164 100

129 95.8 66.4 123.4

131 88.9 64.0 118.8

166 125.1 93.0 172.6

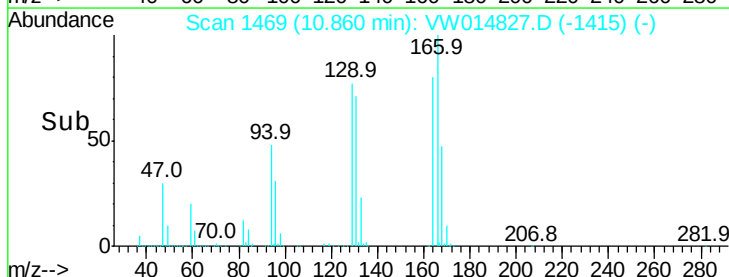


Abundance Ion 164.00 (163.70 to 164.70): V

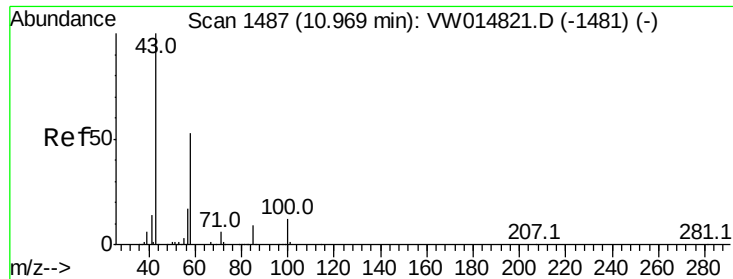
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



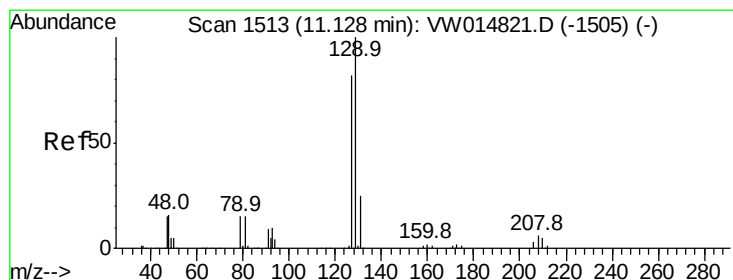
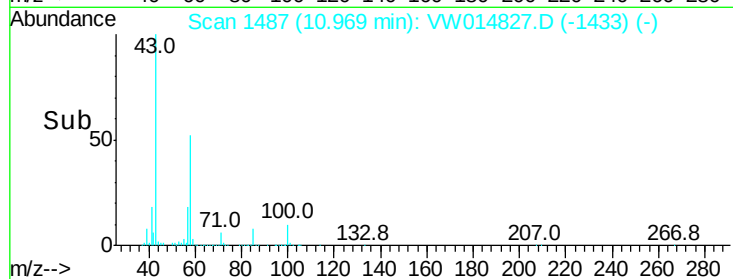
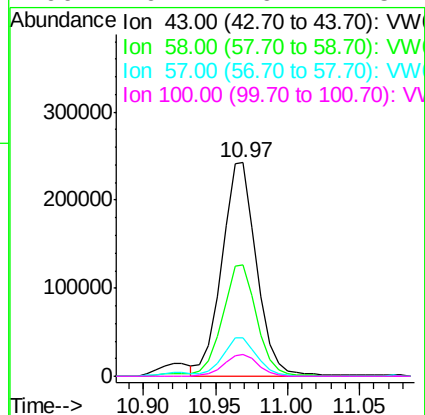
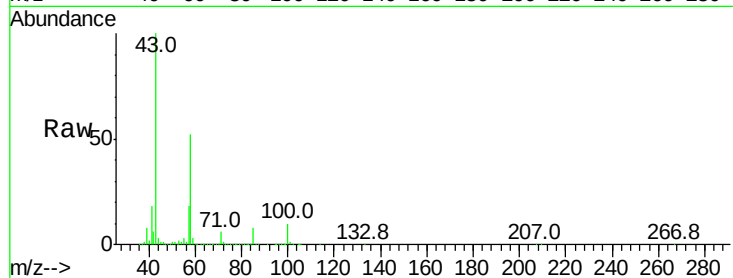
Time--> 10.80 10.85 10.90



#49
2-Hexanone
Concen: 71.994 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

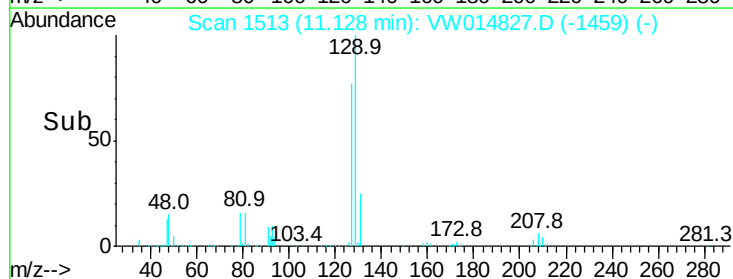
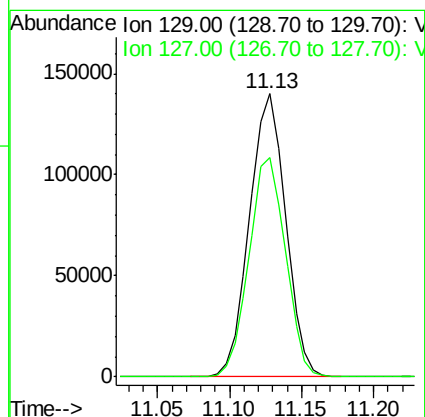
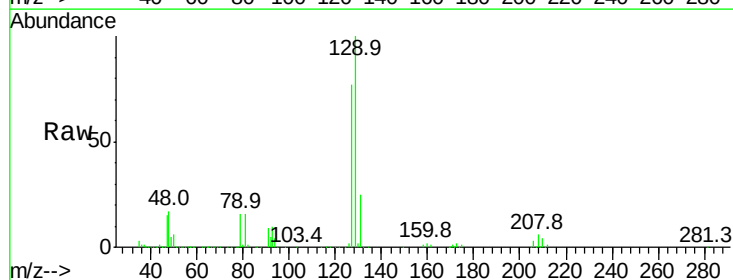
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

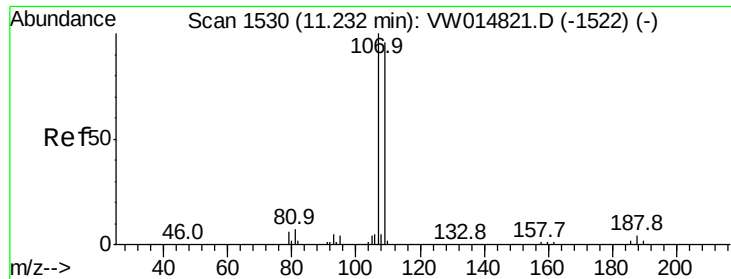
Tgt Ion:	43	Resp:	410577
Ion	Ratio	Lower	Upper
43	100		
58	51.4	43.9	65.9
57	17.6	14.9	22.3
100	10.1	9.1	13.7



#50
Dibromochloromethane
Concen: 25.950 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Tgt Ion:	129	Resp:	243821
Ion	Ratio	Lower	Upper
129	100		
127	77.4	57.3	106.3

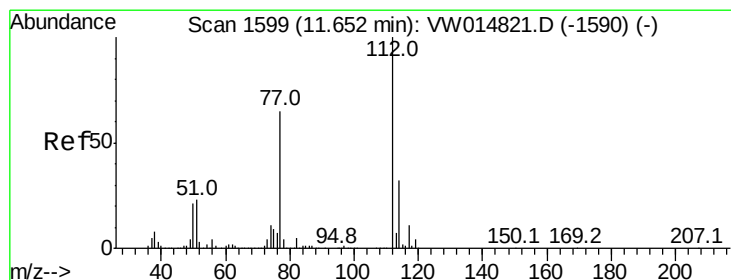
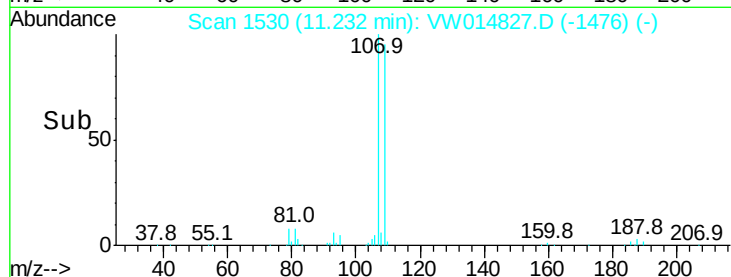
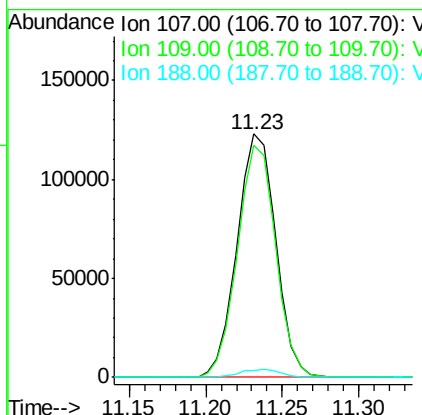
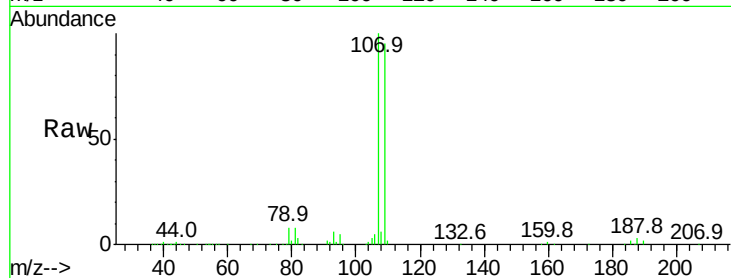




#51
 1,2-Dibromoethane
 Concen: 27.410 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

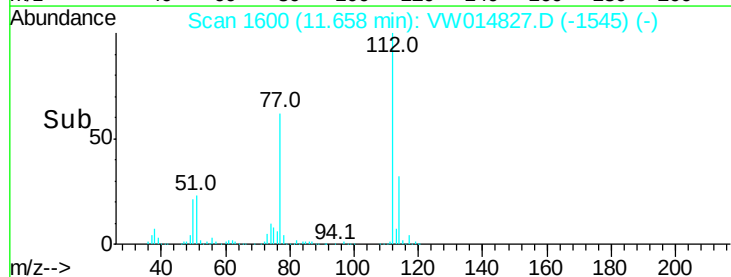
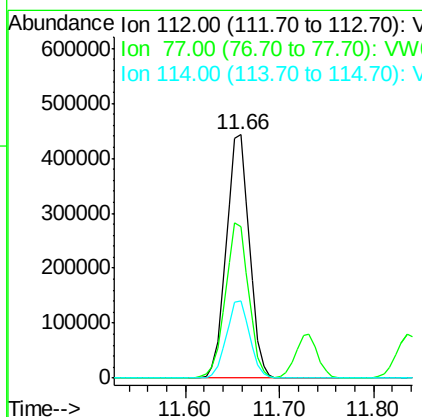
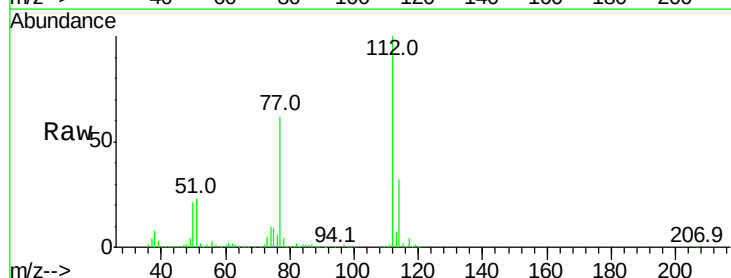
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

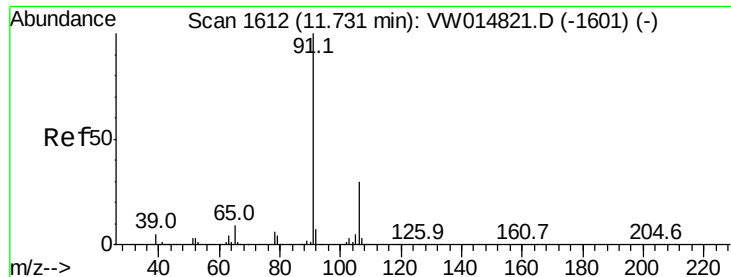
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	67.1	124.5
188	3.1	3.0	4.6



#52
 Chlorobenzene
 Concen: 24.958 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

Tgt Ion	Ratio	Lower	Upper
112	100		
77	62.3	51.7	77.5
114	31.6	22.7	42.1





#53

Ethylbenzene

Concen: 26.431 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

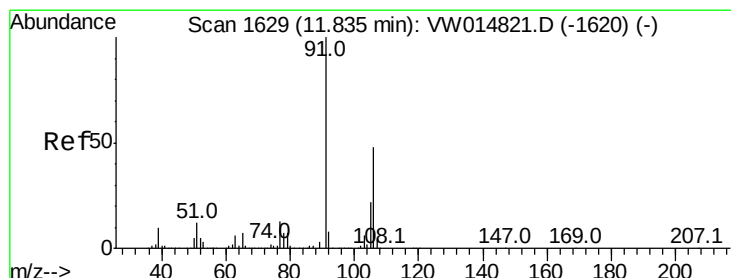
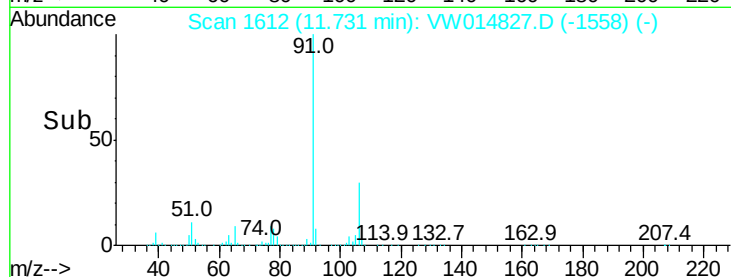
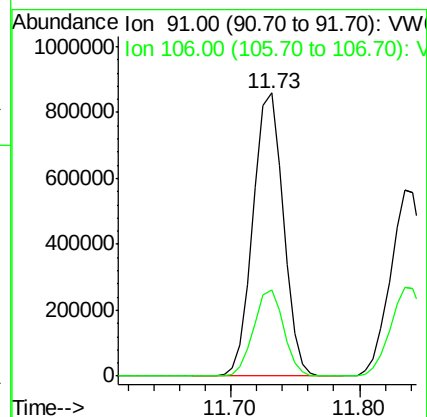
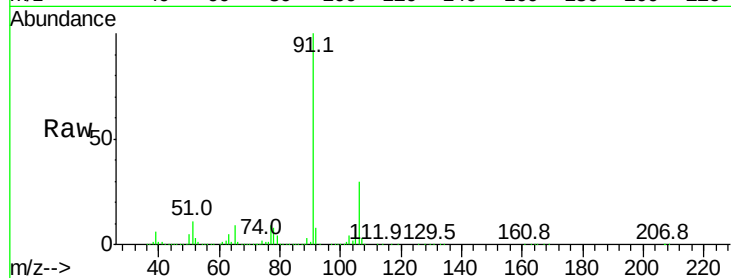
VSTD02501

Tgt Ion: 91 Resp: 1396623

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.6



#54

m,p-Xylene

Concen: 25.766 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014827.D

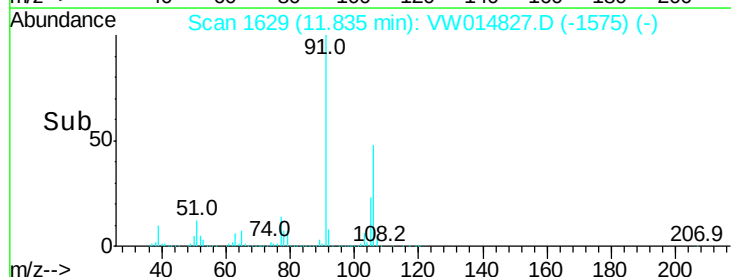
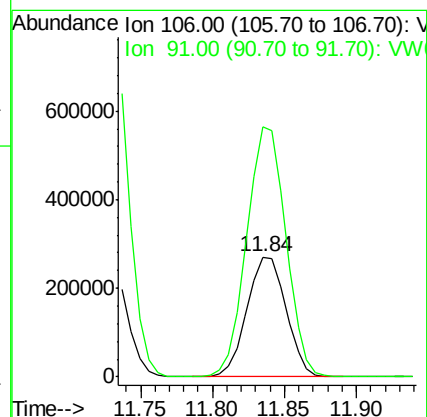
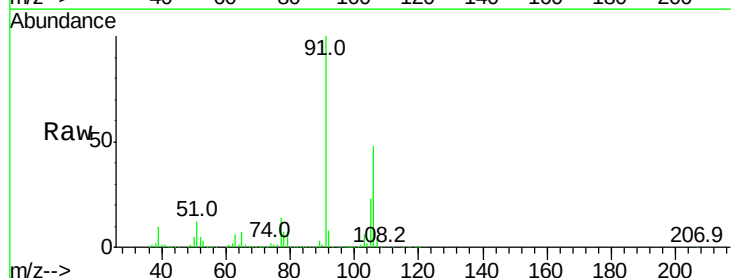
Acq: 03 Feb 2020 10:55

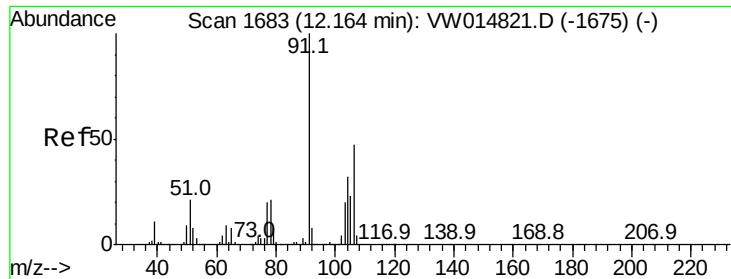
Tgt Ion: 106 Resp: 508935

Ion Ratio Lower Upper

106 100

91 207.6 145.7 270.7

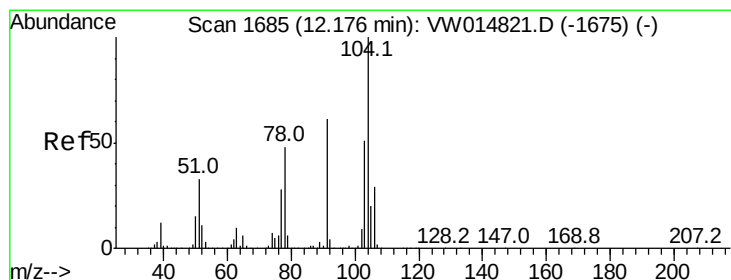
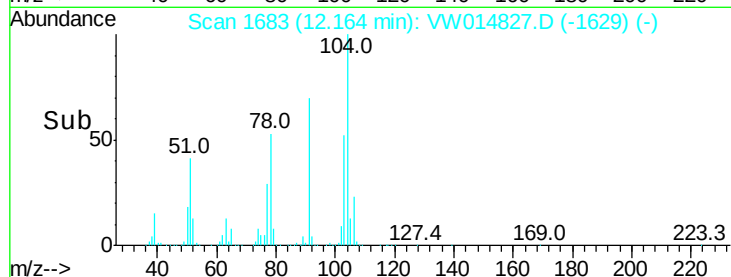
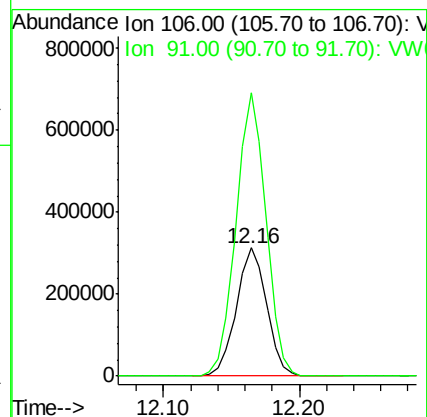
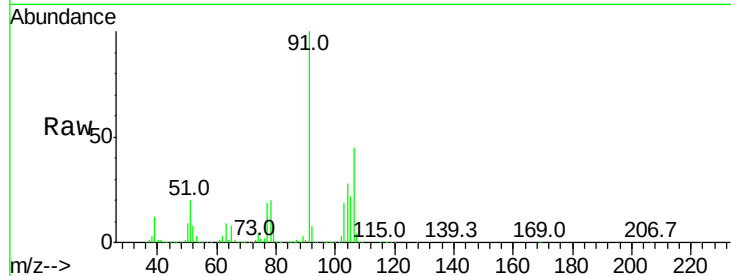




#55
o-xylene
Concen: 26.025 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

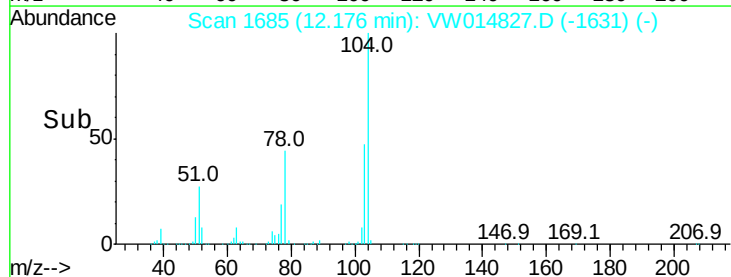
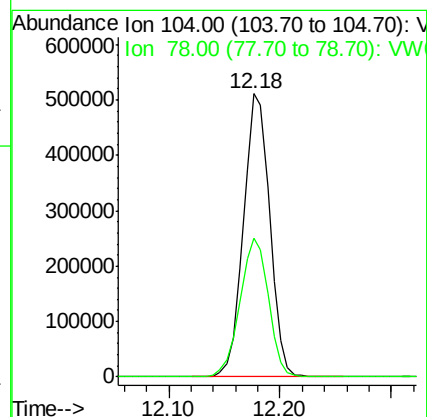
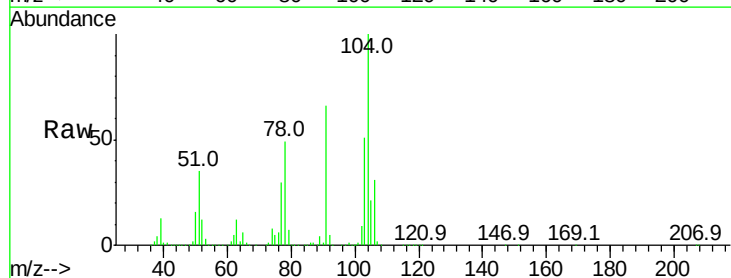
Instrument :
MSVOA_W
ClientSampleId :
VSTD02501

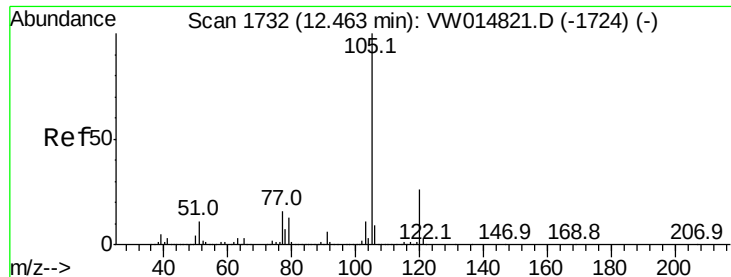
Tgt Ion:106 Resp: 482333
Ion Ratio Lower Upper
106 100
91 220.8 148.0 274.8



#56
Styrene
Concen: 26.590 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014827.D
Acq: 03 Feb 2020 10:55

Tgt Ion:104 Resp: 835771
Ion Ratio Lower Upper
104 100
78 49.0 33.6 62.4





#57

Isopropylbenzene

Concen: 26.252 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

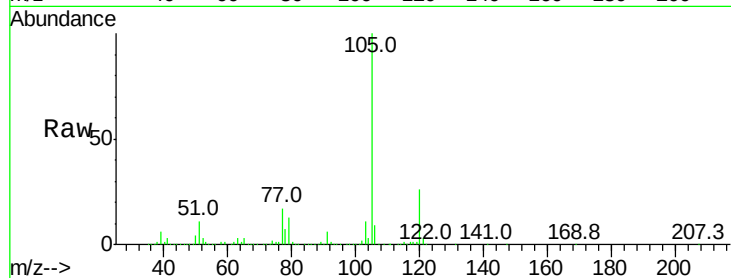
Tgt Ion:105 Resp: 1317696

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

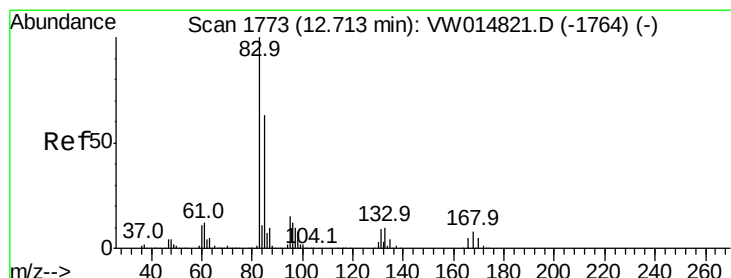
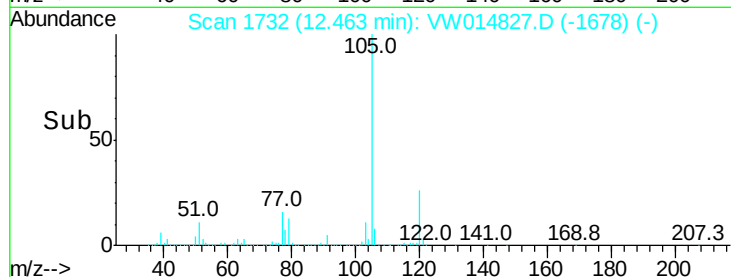
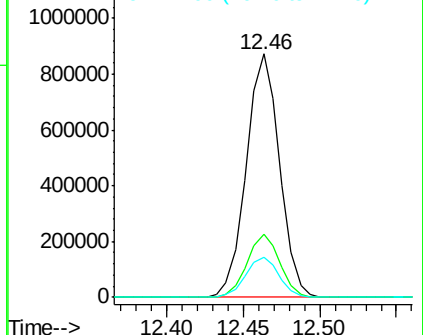
77 16.6 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.714 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

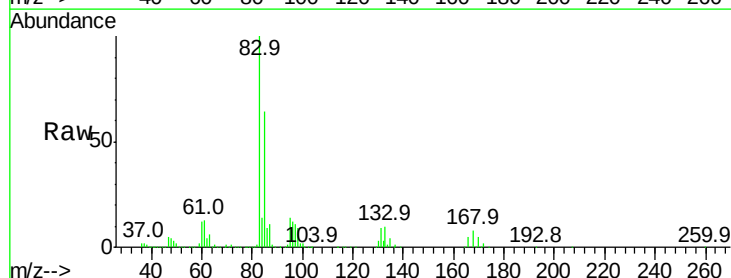
Tgt Ion: 83 Resp: 315268

Ion Ratio Lower Upper

83 100

85 64.2 43.9 81.5

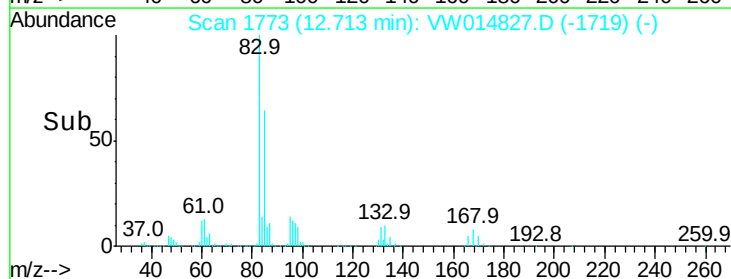
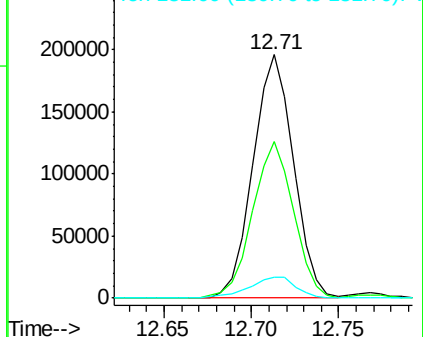
131 8.6 7.1 10.7

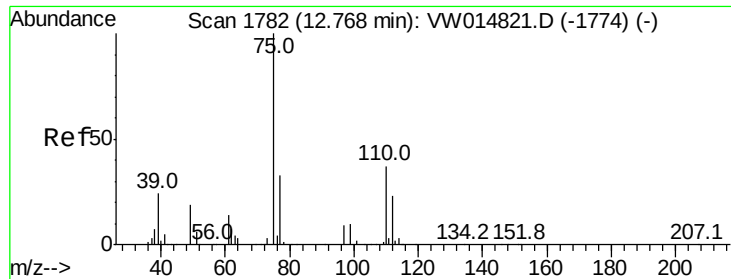


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.668 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

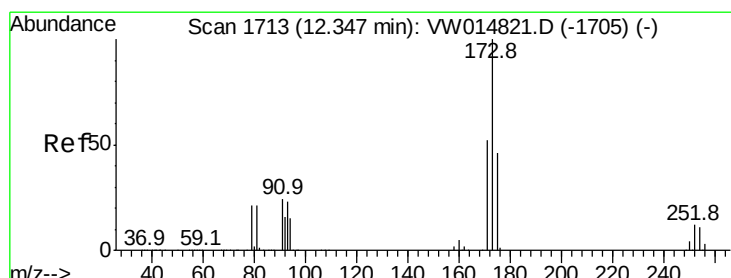
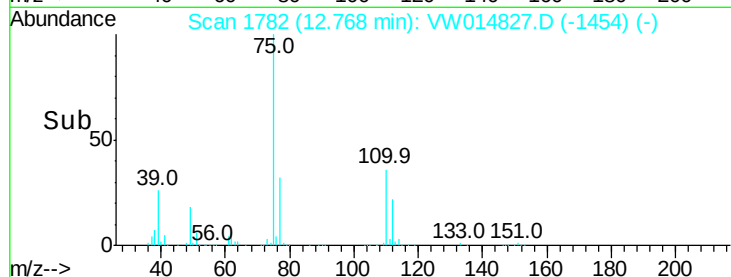
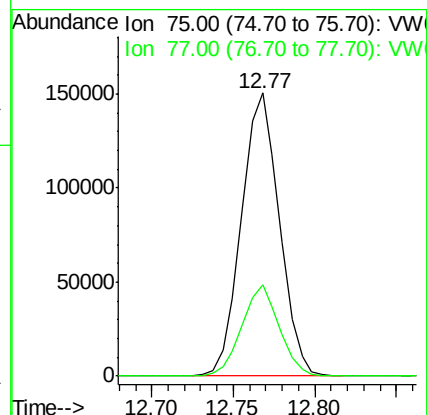
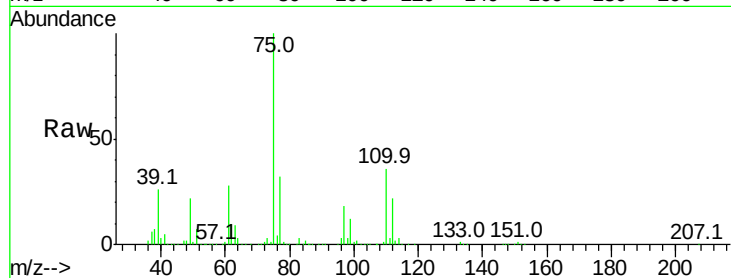
VSTD02501

Tgt Ion: 75 Resp: 244422

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#62

Bromoform

Concen: 25.744 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

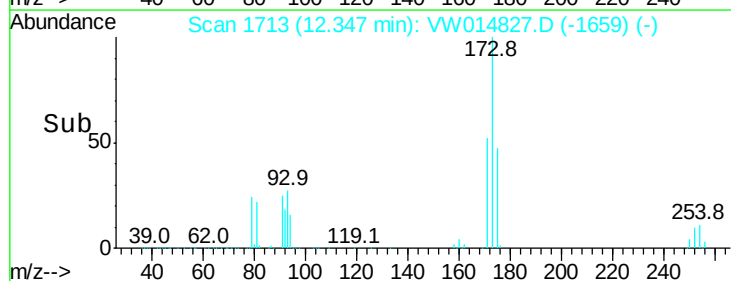
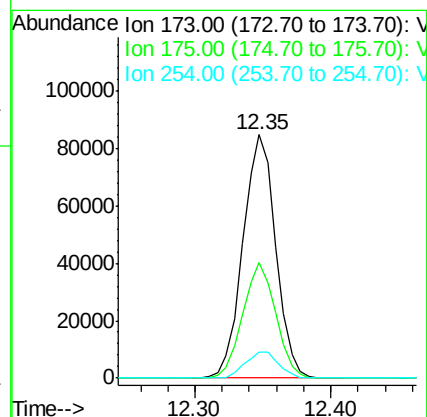
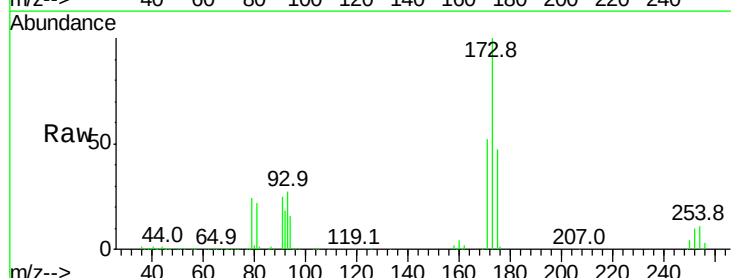
Tgt Ion: 173 Resp: 142335

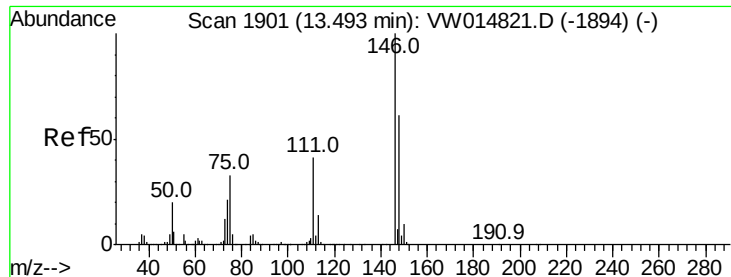
Ion Ratio Lower Upper

173 100

175 47.8 39.5 59.3

254 10.8 8.6 12.8

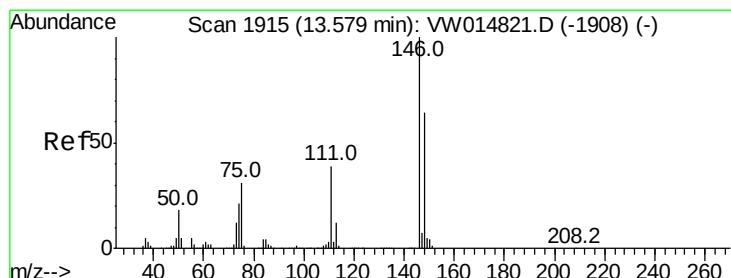
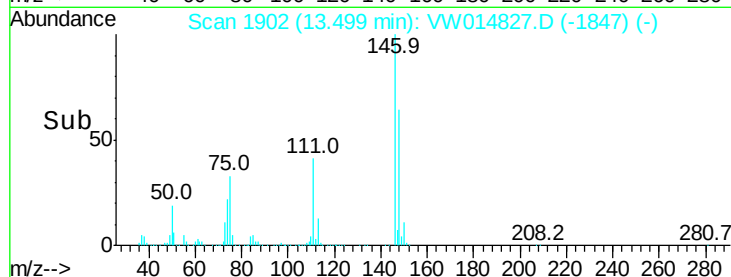
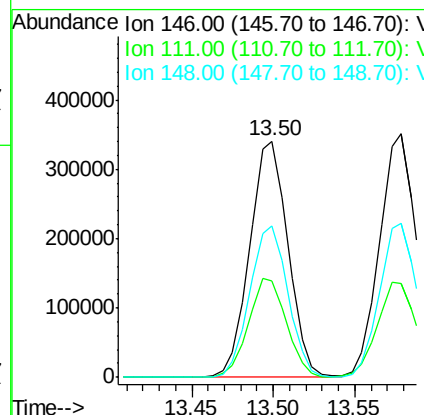
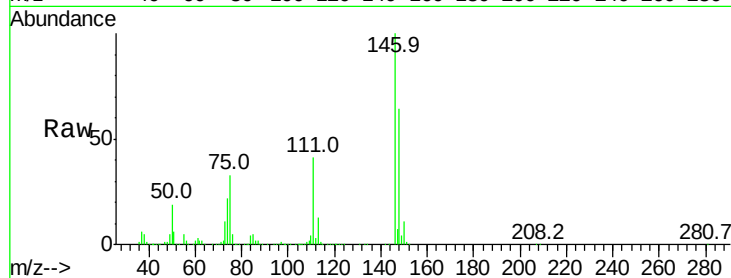




#63
 1,3-Dichlorobenzene
 Concen: 24.502 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

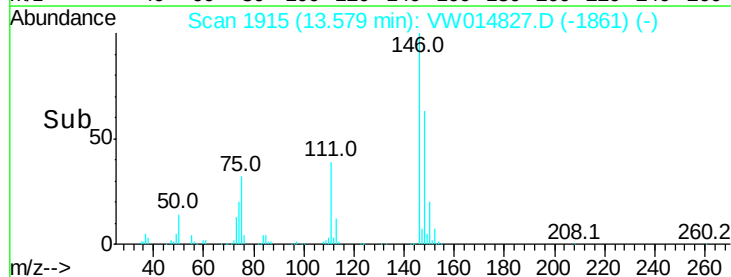
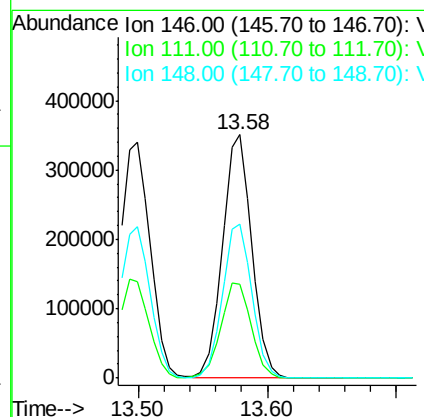
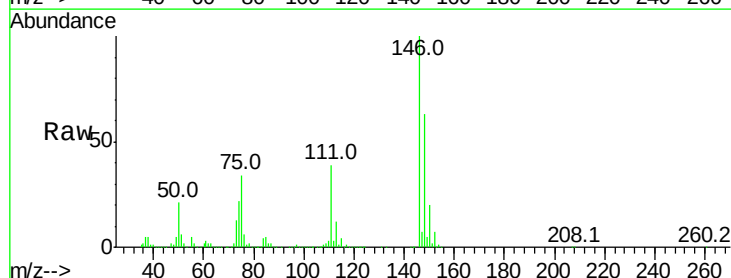
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

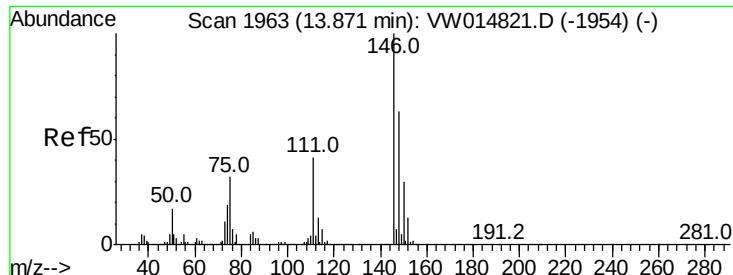
Tgt Ion:146 Resp: 557162
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.4 52.8
 148 64.4 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 24.520 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

Tgt Ion:146 Resp: 558801
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.4
 148 63.1 44.6 82.8

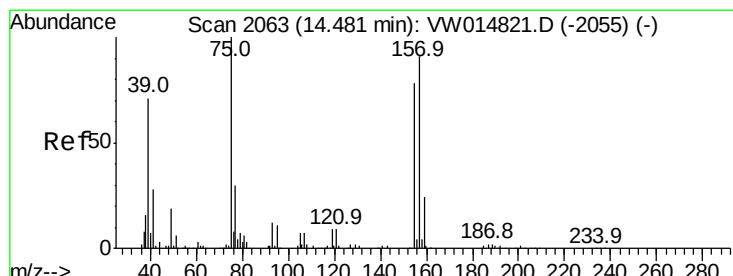
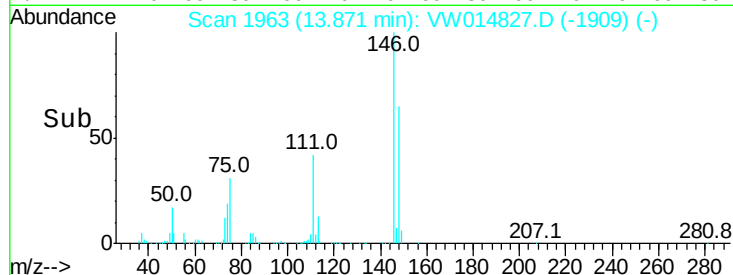
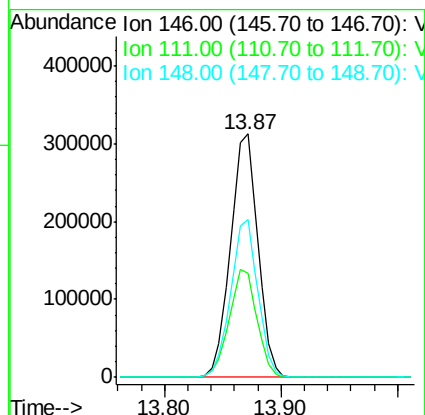
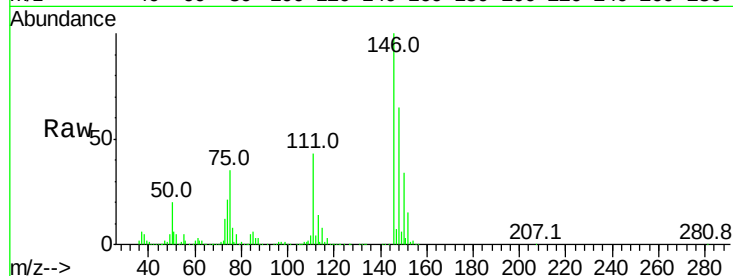




#65
 1,2-Dichlorobenzene
 Concen: 24.791 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

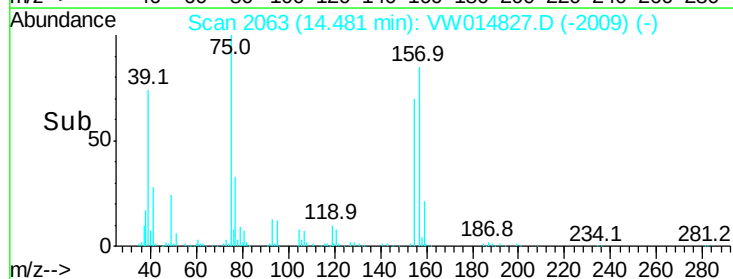
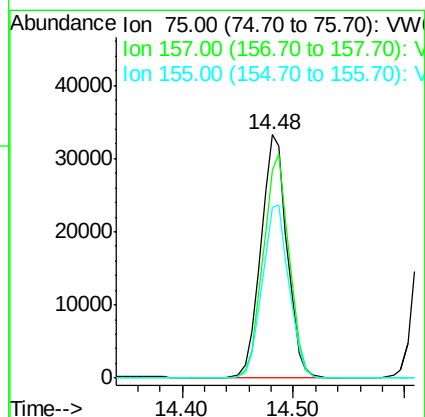
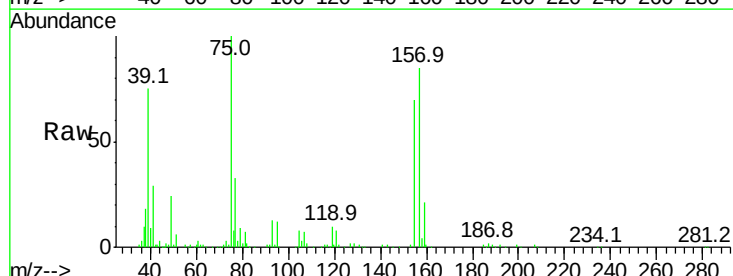
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

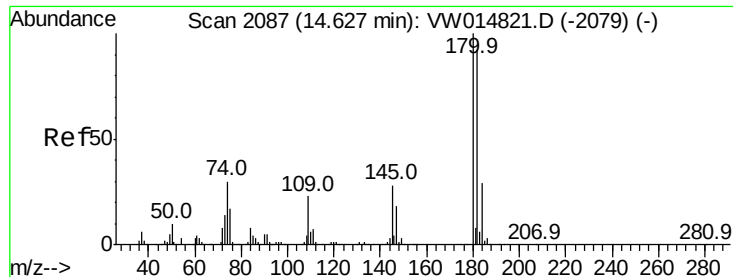
Tgt Ion: 146 Resp: 512746
 Ion Ratio Lower Upper
 146 100
 111 42.9 32.6 49.0
 148 65.0 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 32.293 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

Tgt Ion: 75 Resp: 54780
 Ion Ratio Lower Upper
 75 100
 157 85.2 73.0 109.6
 155 70.0 62.1 93.1

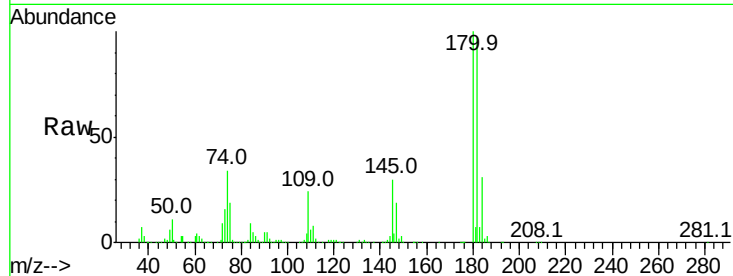




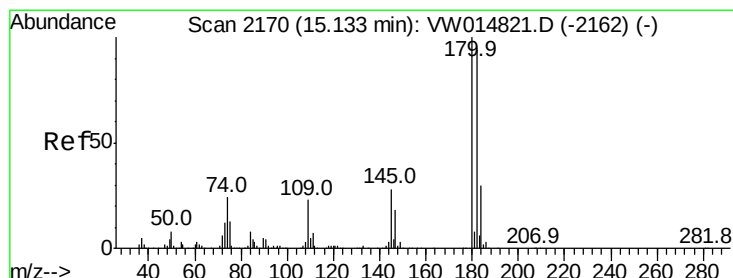
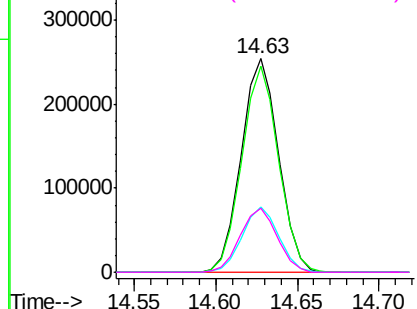
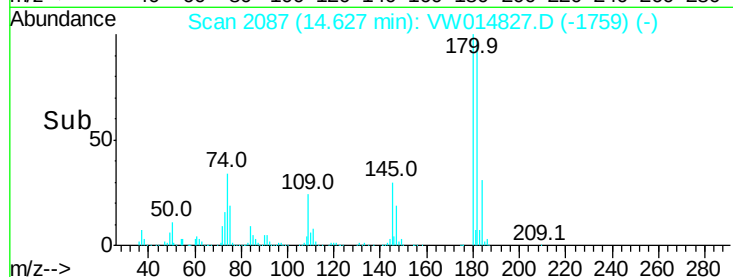
#67
 1,3,5-Trichlorobenzene
 Concen: 24.008 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02501

Tgt Ion:	180	Resp:	404358
Ion Ratio	Lower	Upper	
180	100		
182	95.1	74.2	111.4
184	30.2	24.0	36.0
145	29.9	23.0	34.6

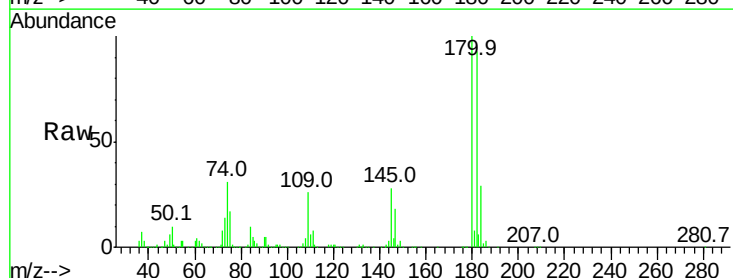


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

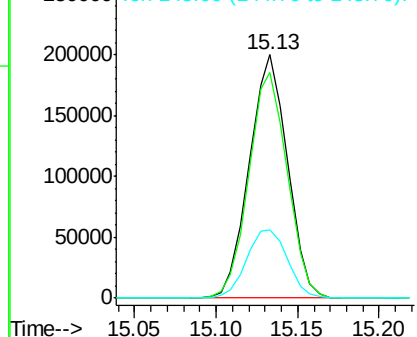
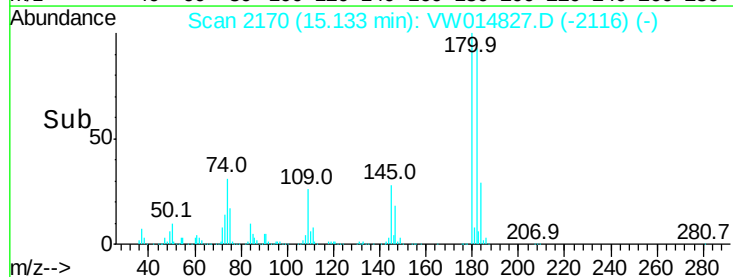


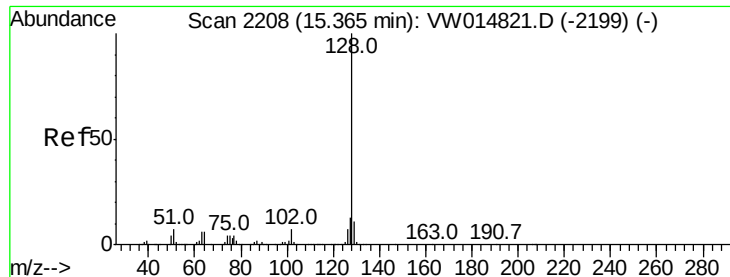
#68
 1,2,4-trichlorobenzene
 Concen: 26.128 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014827.D
 Acq: 03 Feb 2020 10:55

Tgt Ion:	180	Resp:	326579
Ion Ratio	Lower	Upper	
180	100		
182	93.4	75.0	112.6
145	30.1	23.2	34.8



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: 32.256 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

Instrument :

MSVOA_W

ClientSampleId :

VSTD02501

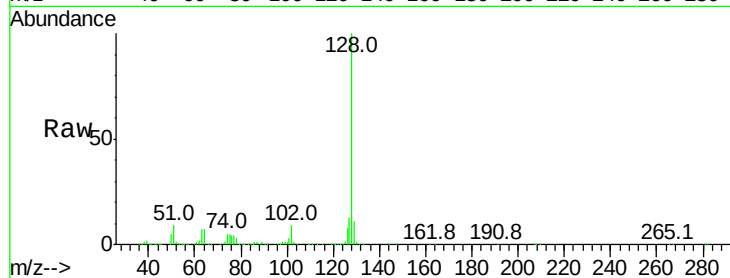
Tgt Ion:128 Resp: 729179

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

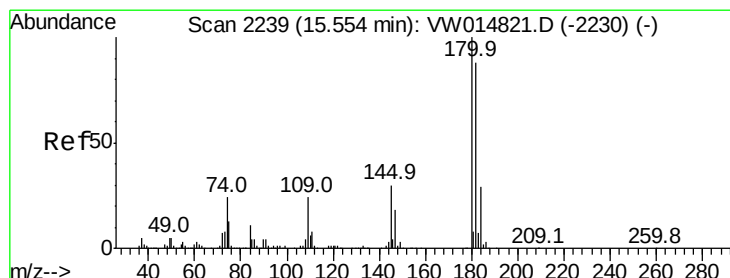
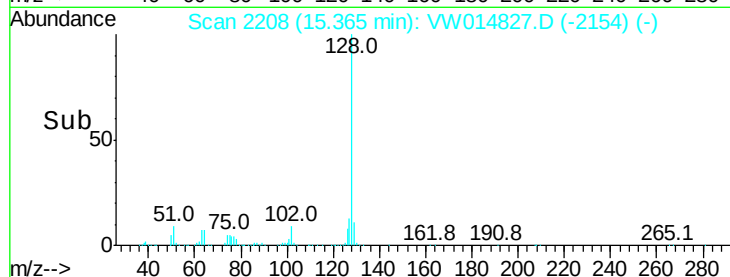
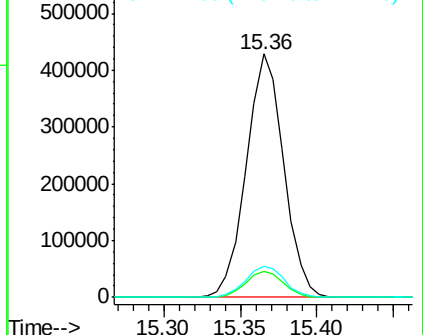
127 13.2 10.6 15.8



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: 26.861 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014827.D

Acq: 03 Feb 2020 10:55

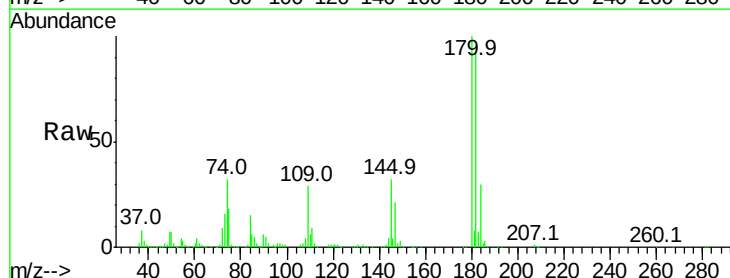
Tgt Ion:180 Resp: 307824

Ion Ratio Lower Upper

180 100

182 95.5 74.7 112.1

145 32.1 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

