

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122019\
 Data File : VW014468.D
 Acq On : 20 Dec 2019 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Dec 21 04:27:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 20 12:51:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	952956	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	844928	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	420471	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	287838	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.80%
7) Chloroethane-d5	2.89	69	264753	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.72%
10) 1,1-Dichloroethene-d2	4.02	63	605500	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.04%
20) 2-Butanone-d5	7.07	46	221160	58.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.62%
24) Chloroform-d	7.64	84	646596	26.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	8.30	65	337013	26.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.96%
29) Benzene-d6	8.27	84	1279406	25.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.36%
33) 1,2-Dichloropropane-d6	9.27	67	404180	26.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.12%
37) Toluene-d8	10.32	98	1130455	25.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.00%
38) trans-1,3-Dichloropropene-	10.57	79	157921	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.84%
39) 2-Hexanone-d5	10.92	63	167455	55.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	326982	26.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	389926	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	177354	19.568	ug/L	96
3) Chloromethane	2.21	50	222885	24.462	ug/L	96
5) Vinyl chloride	2.36	62	353363	26.193	ug/L	97
6) Bromomethane	2.78	94	204808	24.612	ug/L	100
8) Chloroethane	2.92	64	203512	26.404	ug/L	95
9) Trichlorofluoromethane	3.26	101	203493	30.469	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	320979	25.536	ug/L	93
12) 1,1-Dichloroethene	4.04	96	310969	24.436	ug/L	85
13) Acetone	4.11	43	191872	52.922	ug/L	99
14) Carbon disulfide	4.38	76	902347	23.120	ug/L	99
16) Methylene chloride	4.91	84	335654	22.976	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	392543	23.391	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	319889	23.473	ug/L	93
19) 1,1-Dichloroethane	6.21	63	608656	24.859	ug/L	99
21) 2-Butanone	7.17	43	233854	48.043	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	337608	23.282	ug/L	95
23) Bromochloromethane	7.51	128	144117	21.606	ug/L #	80

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122019\
 Data File : VW014468.D
 Acq On : 20 Dec 2019 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Quant Time: Dec 21 04:27:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 20 12:51:03 2019
 Response via : Initial Calibration

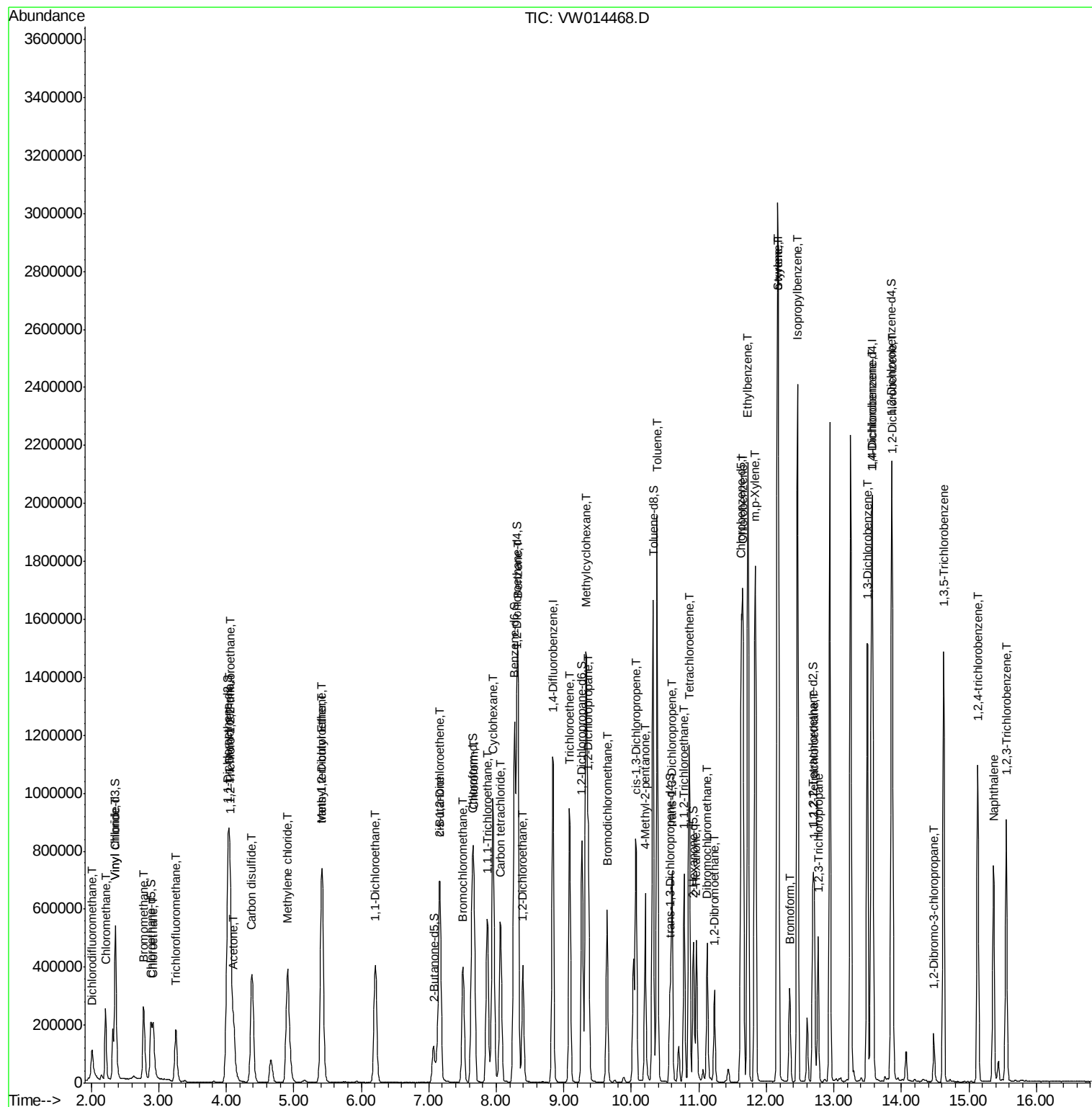
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	581503	24.440	ug/L	99
27) 1,2-Dichloroethane	8.40	62	368437	23.648	ug/L	95
30) Cyclohexane	7.95	56	567862	26.926	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	463618	27.322	ug/L	97
32) Carbon tetrachloride	8.06	117	430846	26.760	ug/L	100
34) Benzene	8.32	78	1341962	25.084	ug/L	100
35) Trichloroethene	9.09	95	336776	24.603	ug/L	94
36) Methylcyclohexane	9.33	83	598429	26.017	ug/L	94
40) 1,2-Dichloropropane	9.37	63	335090	24.381	ug/L	99
41) Bromodichloromethane	9.64	83	406207	24.319	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	494732	24.036	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	426949	47.108	ug/L	95
44) Toluene	10.38	91	1412894	25.191	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	399816	23.997	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	231545	22.482	ug/L	97
47) Tetrachloroethene	10.86	164	276544	24.239	ug/L	96
49) 2-Hexanone	10.96	43	312882	48.491	ug/L	97
50) Dibromochloromethane	11.13	129	260810	22.563	ug/L	98
51) 1,2-Dibromoethane	11.23	107	214779	22.016	ug/L #	96
52) Chlorobenzene	11.65	112	851269	23.484	ug/L	93
53) Ethylbenzene	11.73	91	1543789	25.366	ug/L	98
54) m,p-Xylene	11.83	106	582987	24.902	ug/L	95
55) o-xylene	12.16	106	539242	24.284	ug/L	98
56) Styrene	12.18	104	926667	24.394	ug/L	94
57) Isopropylbenzene	12.46	105	1487907	25.810	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	277703	21.724	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	210162	22.125	ug/L	100
62) Bromoform	12.35	173	151483	21.227	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	646132	22.863	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	656172	22.852	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	589540	22.432	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	42217	20.823	ug/L #	80
67) 1,3,5-Trichlorobenzene	14.63	180	474252	23.324	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	359870	22.703	ug/L	99
69) Naphthalene	15.36	128	637441	21.384	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	323229	21.745	ug/L	96

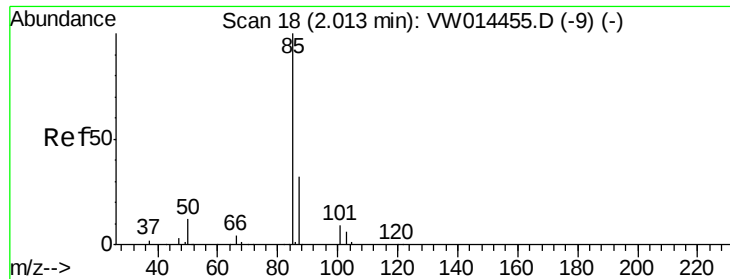
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122019\
Data File : VW014468.D
Acq On : 20 Dec 2019 09:36
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

Quant Time: Dec 21 04:27:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 20 12:51:03 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 19.568 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

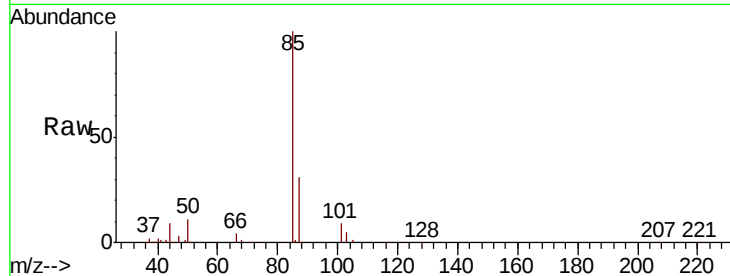
VSTD02530

Tot Ion: 85 Resp: 177354

Ion Ratio Lower Upper

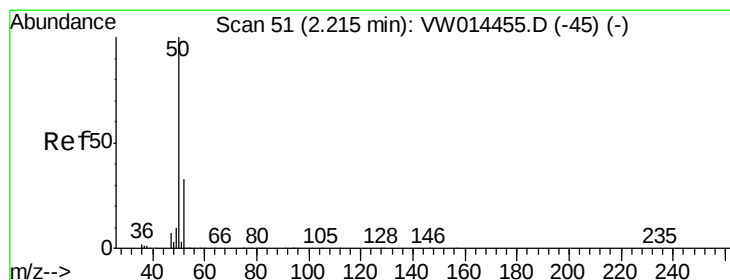
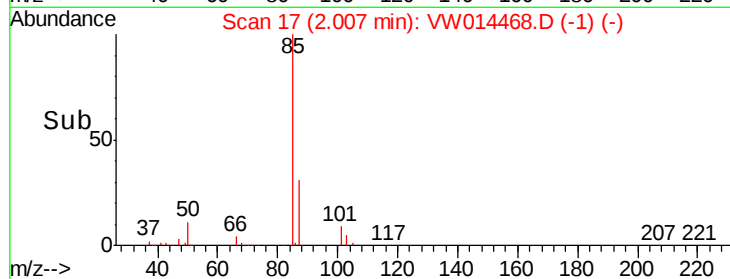
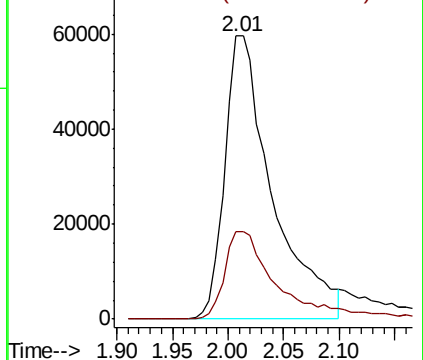
85 100

87 33.7 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.462 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014468.D

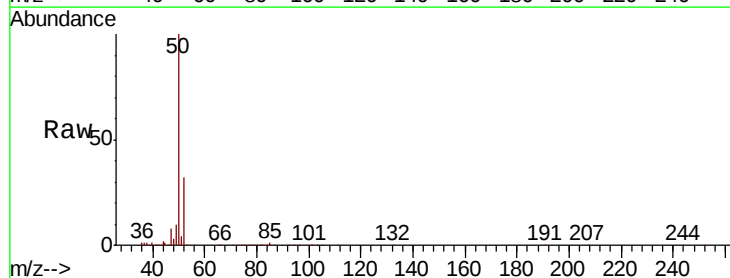
Acq: 20 Dec 2019 09:36

Tgt Ion: 50 Resp: 222885

Ion Ratio Lower Upper

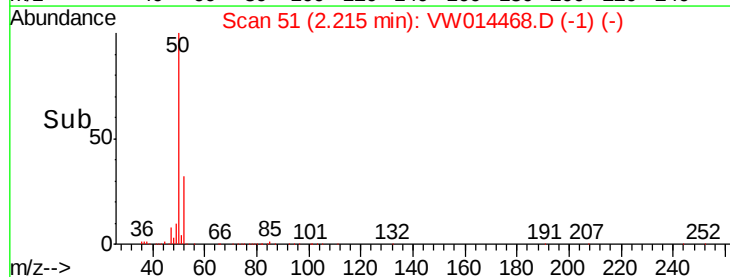
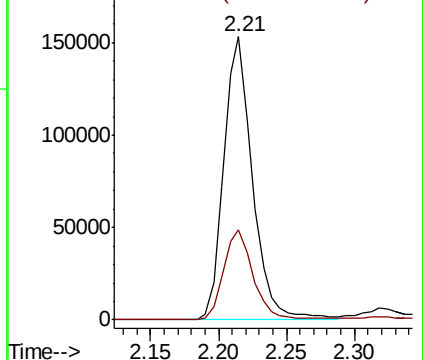
50 100

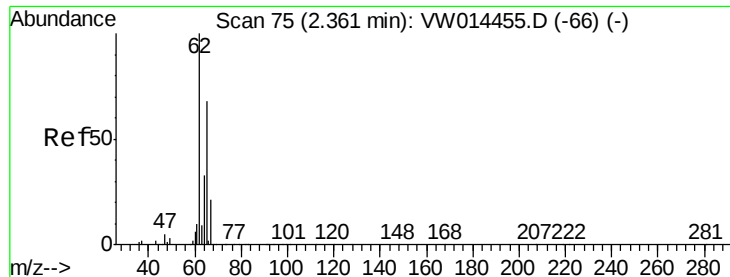
52 31.6 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.193 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

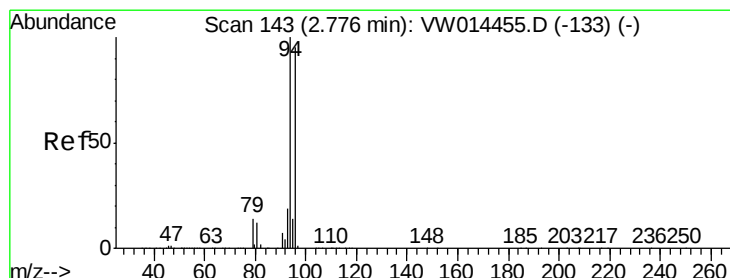
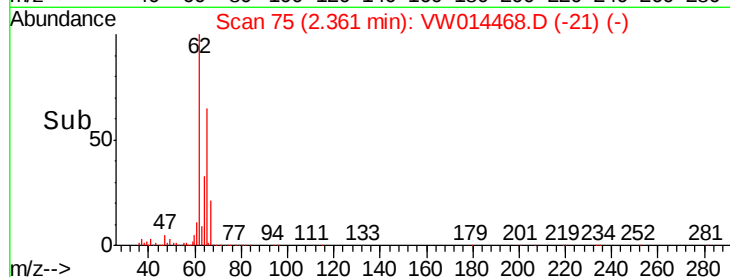
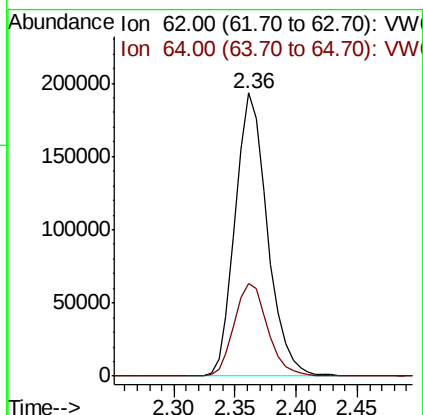
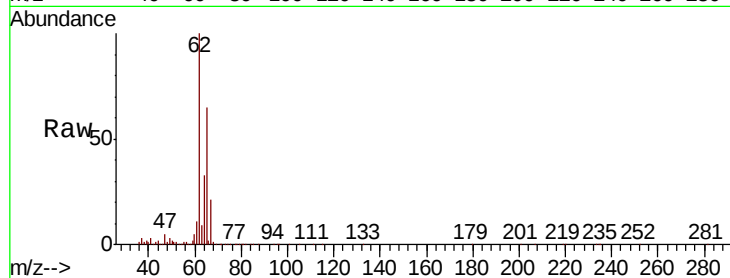
VSTD02530

Tot Ion: 62 Resp: 353363

Ion Ratio Lower Upper

62 100

64 32.9 21.8 40.4



#6

Bromomethane

Concen: 24.612 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014468.D

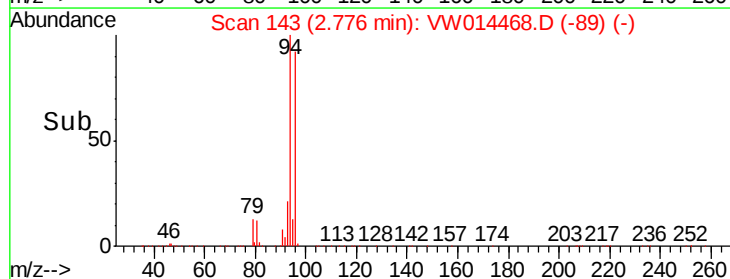
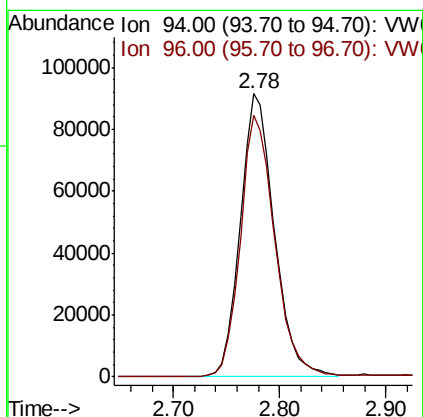
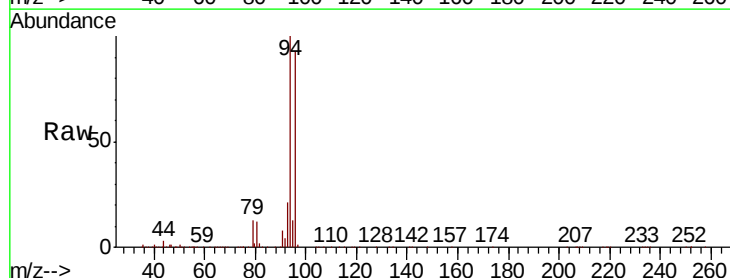
Acq: 20 Dec 2019 09:36

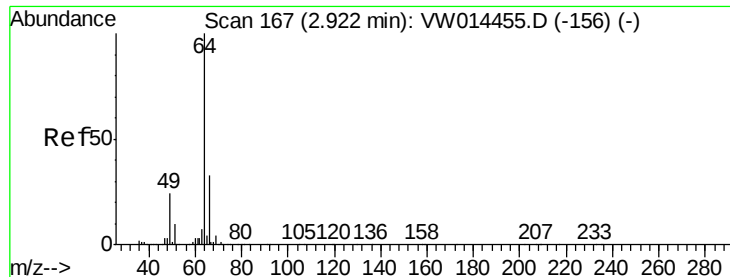
Tgt Ion: 94 Resp: 204808

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.8





#8

Chloroethane

Concen: 26.404 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

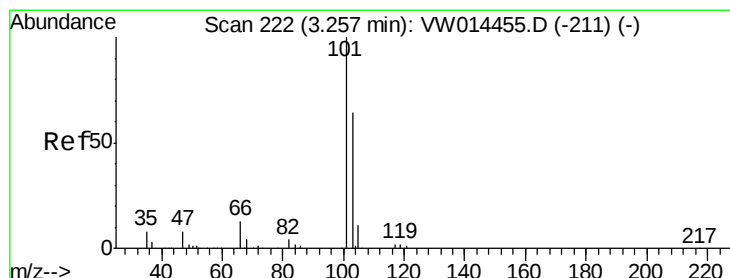
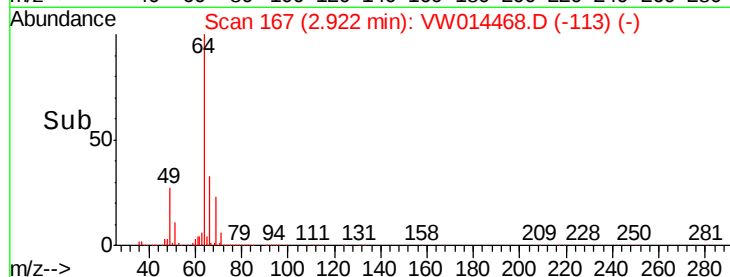
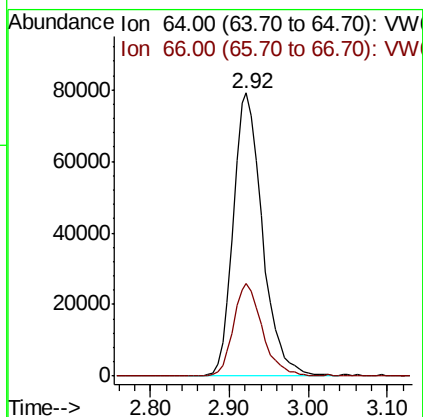
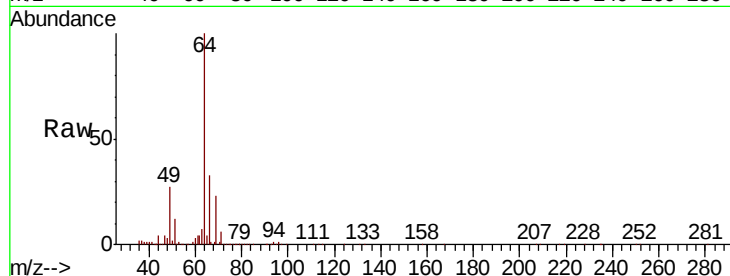
VSTD02530

Tot Ion: 64 Resp: 203512

Ion Ratio Lower Upper

64 100

66 32.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 30.469 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014468.D

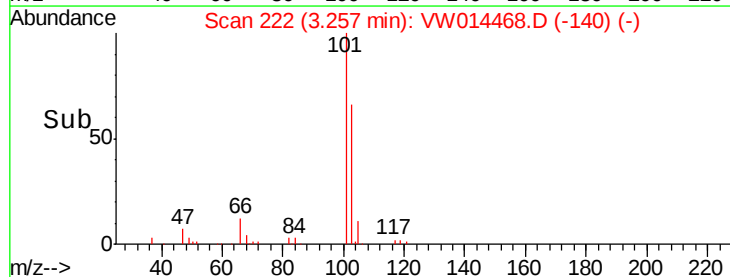
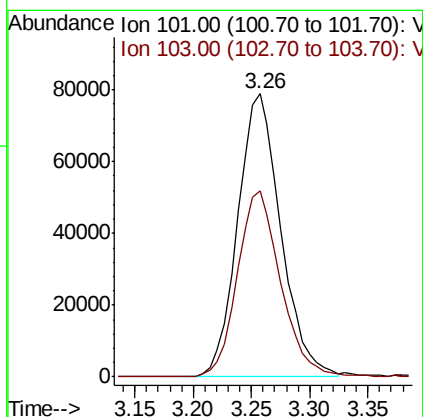
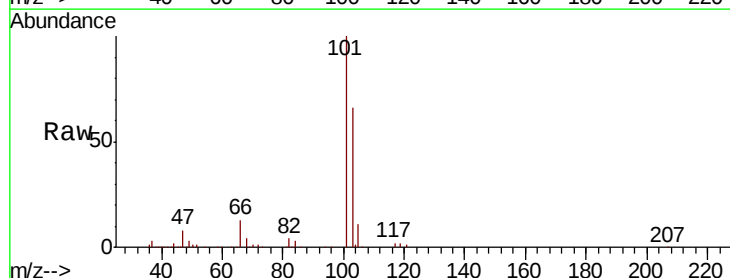
Acq: 20 Dec 2019 09:36

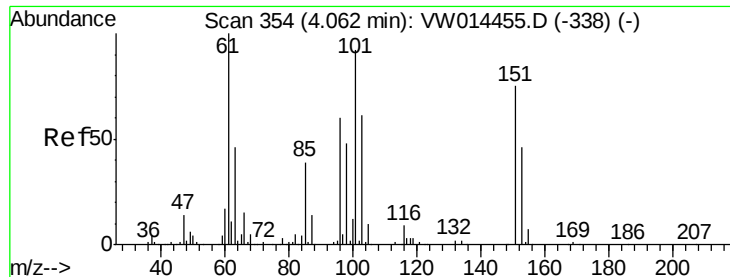
Tgt Ion: 101 Resp: 203493

Ion Ratio Lower Upper

101 100

103 65.8 45.4 84.2





#11

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

Concen: 25.536 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampled :

VSTD02530

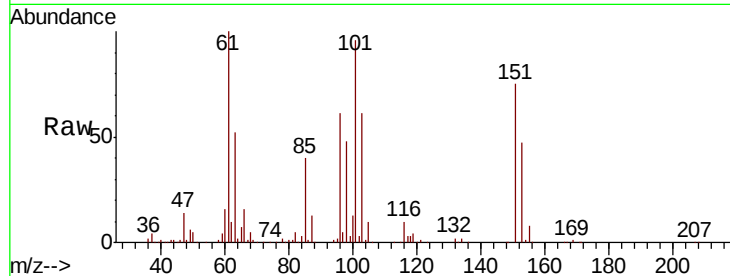
Tot Ion:101 Resp: 320979

Ion Ratio Lower Upper

101 100

85 41.9 31.4 47.2

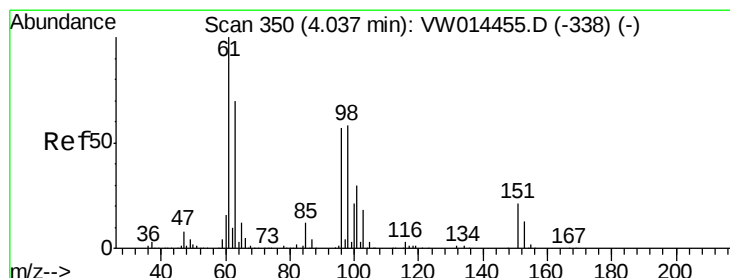
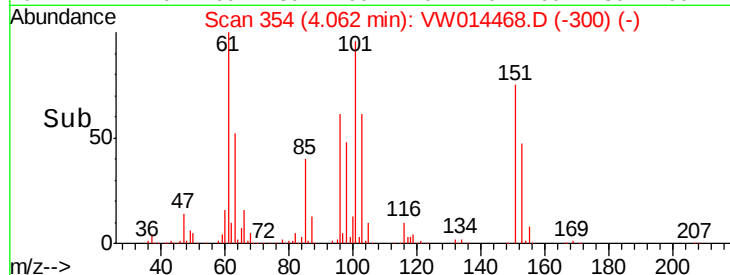
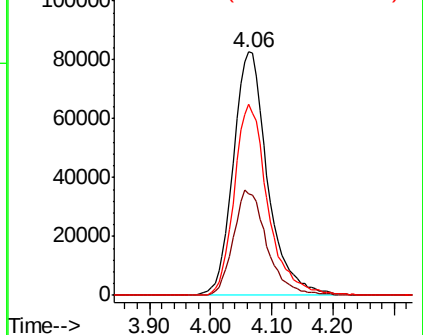
151 75.8 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.436 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

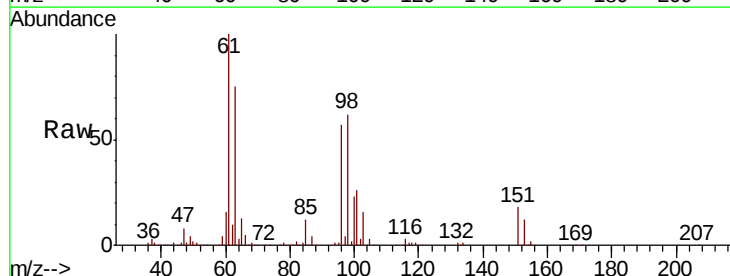
Tgt Ion: 96 Resp: 310969

Ion Ratio Lower Upper

96 100

61 176.1 109.8 204.0

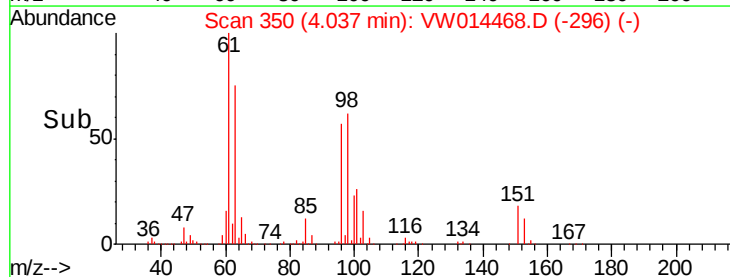
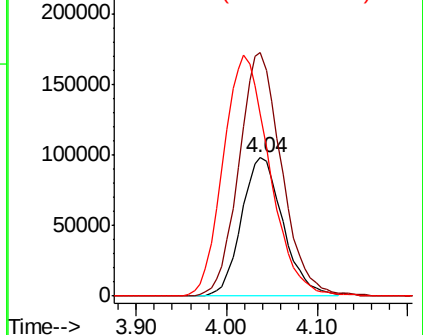
63 131.6 80.7 149.9

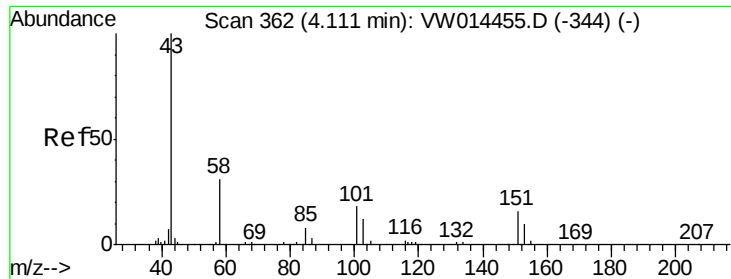


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.922 ug/L

RT: 4.11 min Scan# 362

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

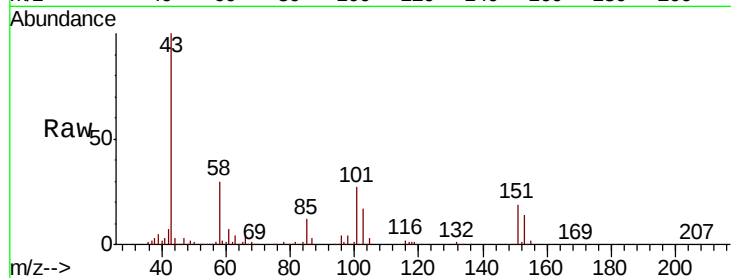
VSTD02530

Tot Ion: 43 Resp: 191872

Ion Ratio Lower Upper

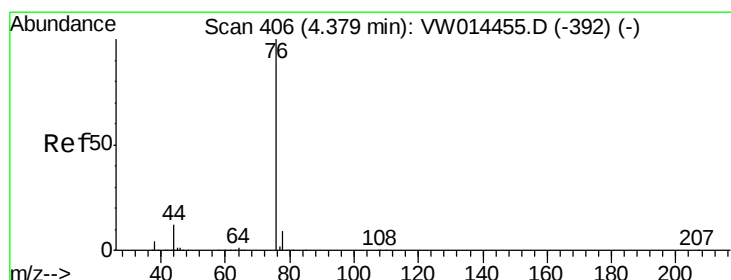
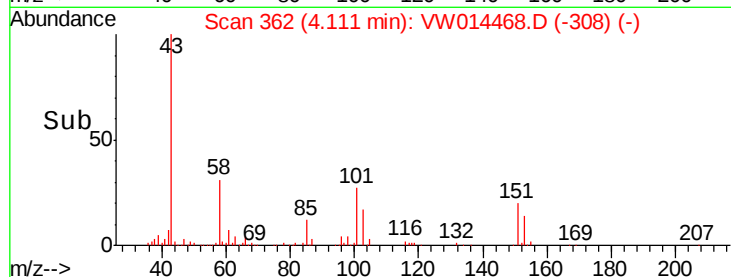
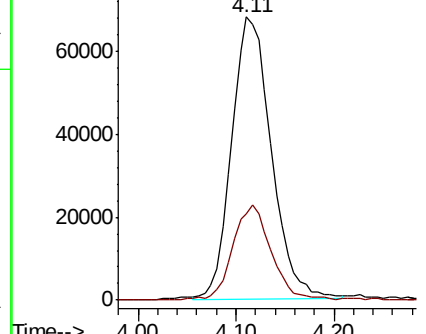
43 100

58 32.0 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.120 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014468.D

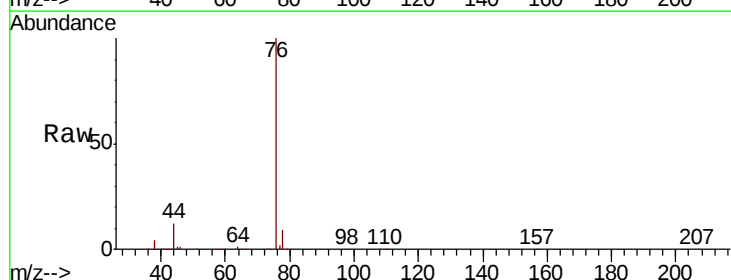
Acq: 20 Dec 2019 09:36

Tgt Ion: 76 Resp: 902347

Ion Ratio Lower Upper

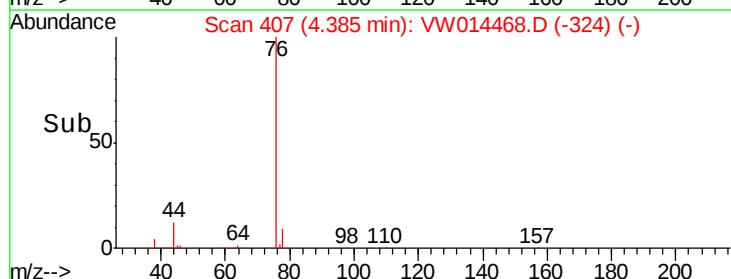
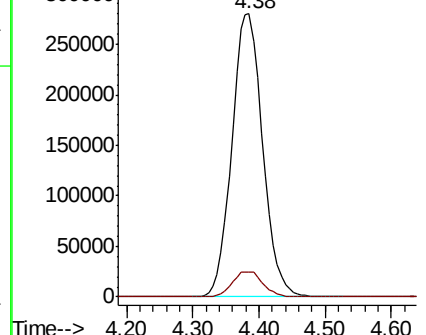
76 100

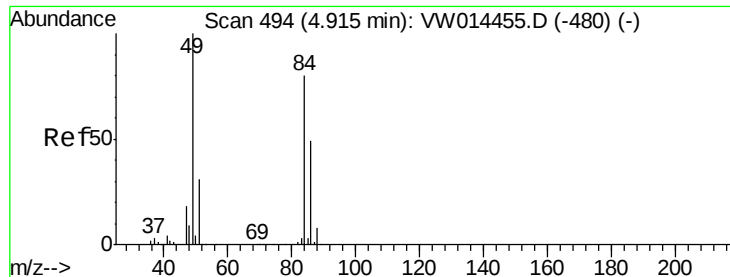
78 8.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

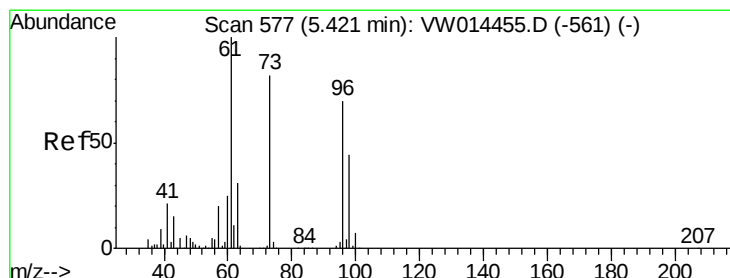
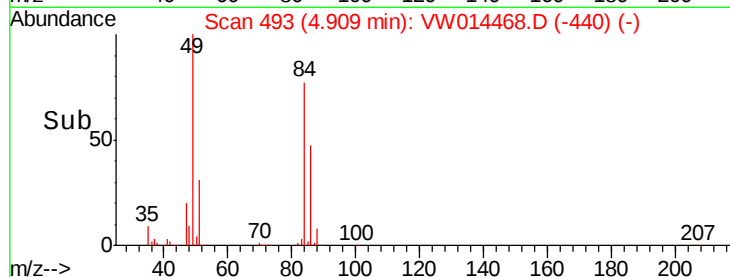
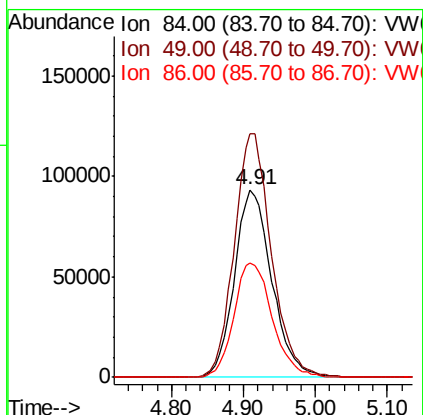
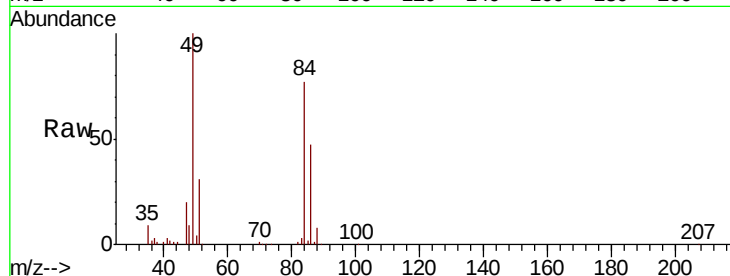




#16
Methvlene chloride
Concen: 22.976 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

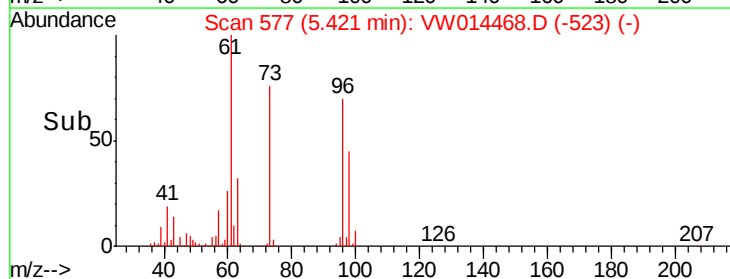
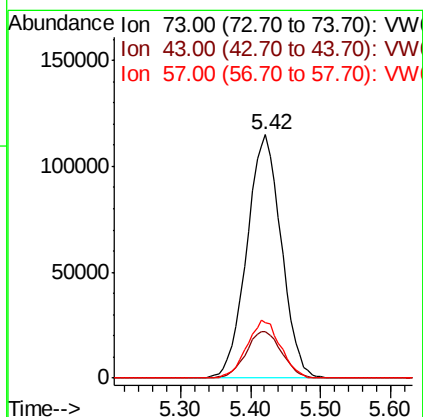
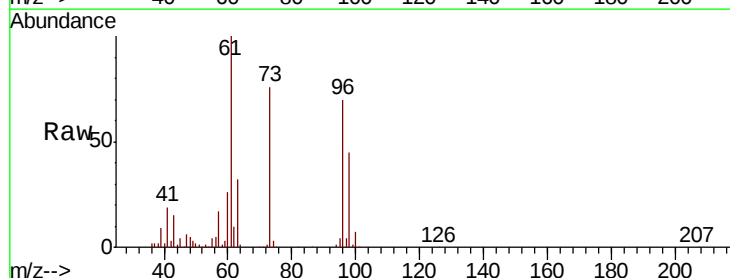
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

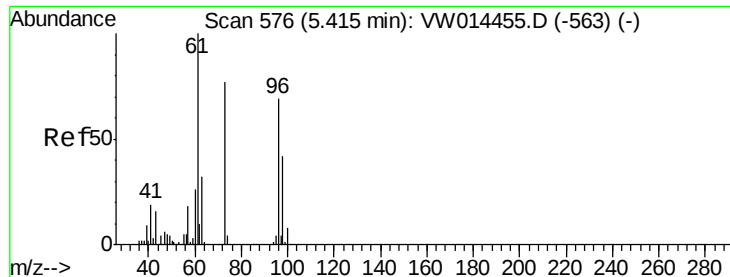
Tot Ion: 84 Resp: 335654
Ion Ratio Lower Upper
84 100
49 129.7 84.2 156.4
86 61.2 43.7 81.1



#17
Methyl tert-butyl Ether
Concen: 23.391 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

Tgt Ion: 73 Resp: 392543
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 23.3 18.2 27.4

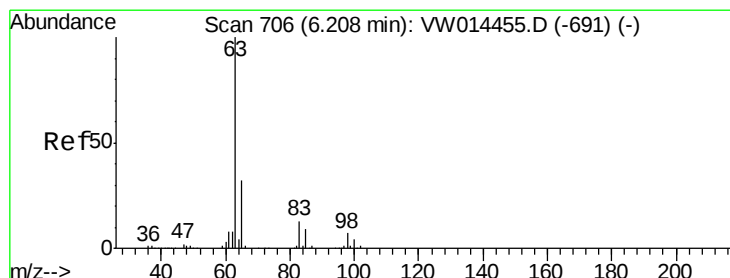
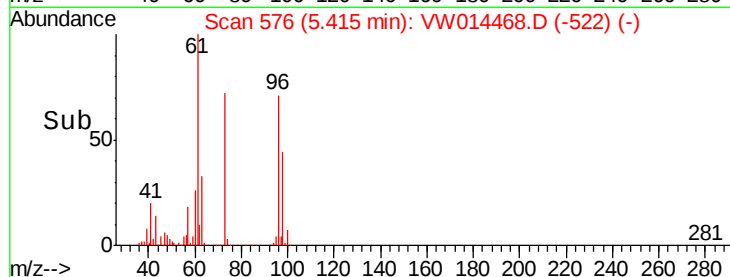
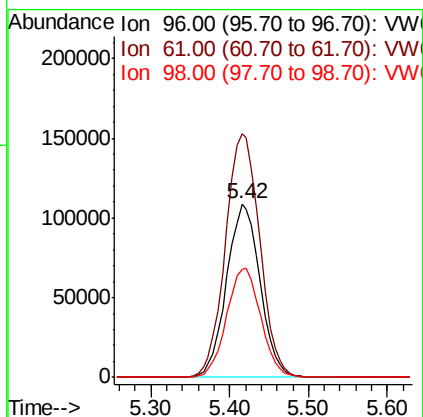
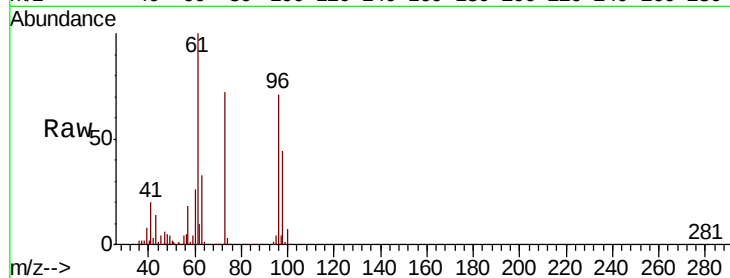




#18
trans-1,2-Dichloroethene
Concen: 23.473 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

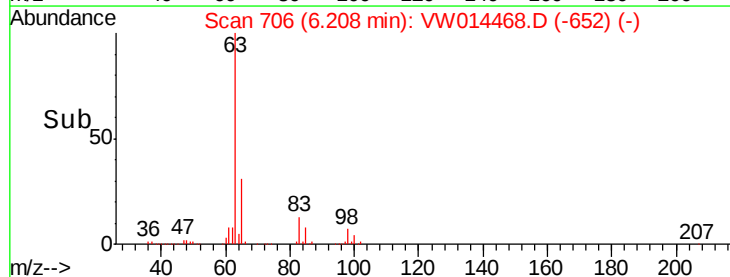
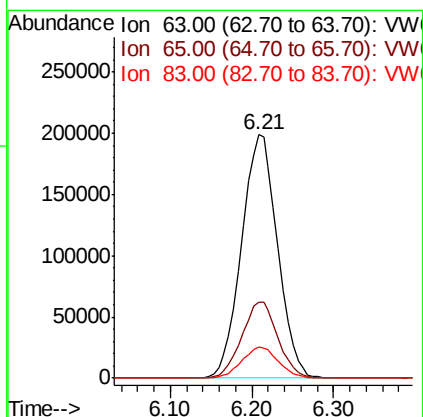
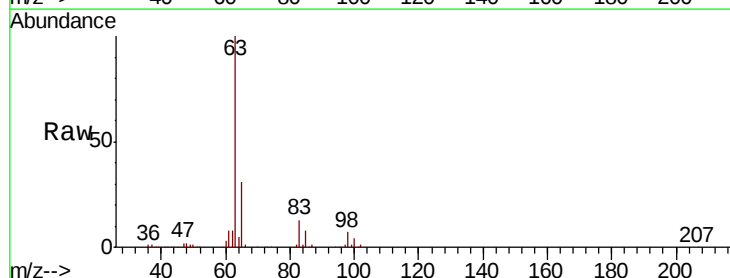
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

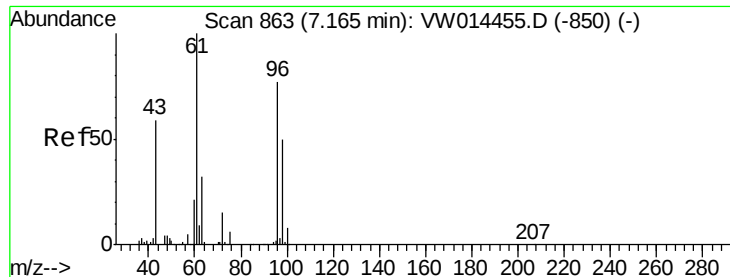
Tot Ion: 96 Resp: 319889
Ion Ratio Lower Upper
96 100
61 140.4 90.6 168.2
98 62.2 42.9 79.7



#19
1,1-Dichloroethane
Concen: 24.859 ug/L
RT: 6.21 min Scan# 706
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

Tgt Ion: 63 Resp: 608656
Ion Ratio Lower Upper
63 100
65 31.2 22.1 41.1
83 13.0 9.0 16.6





#21

2-Butanone

Concen: 48.043 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

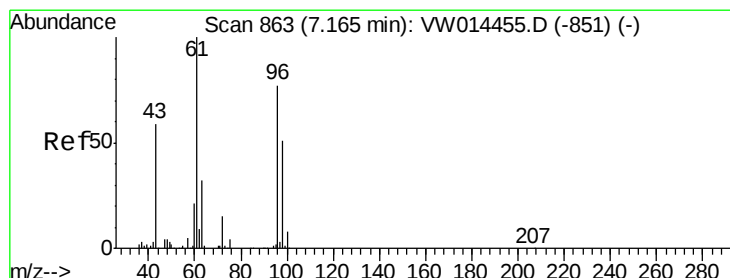
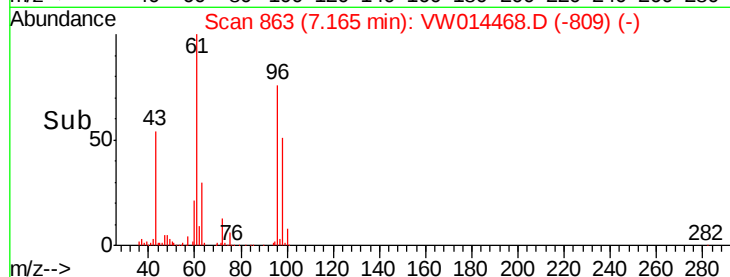
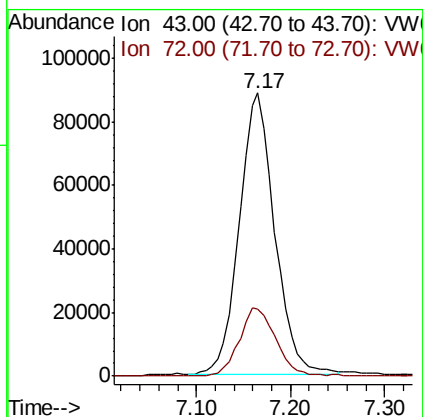
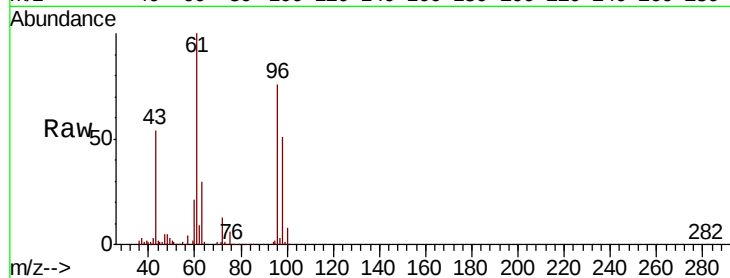
VSTD02530

Tot Ion: 43 Resp: 233854

Ion Ratio Lower Upper

43 100

72 24.8 14.1 42.2



#22

cis-1,2-Dichloroethene

Concen: 23.282 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

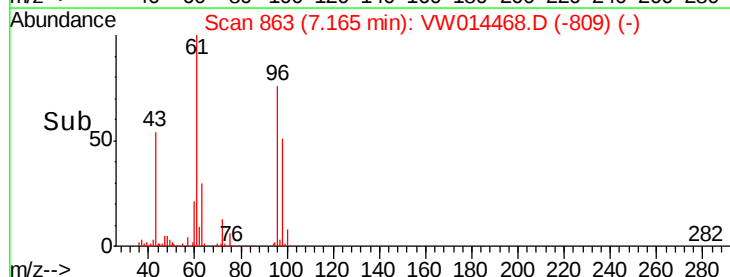
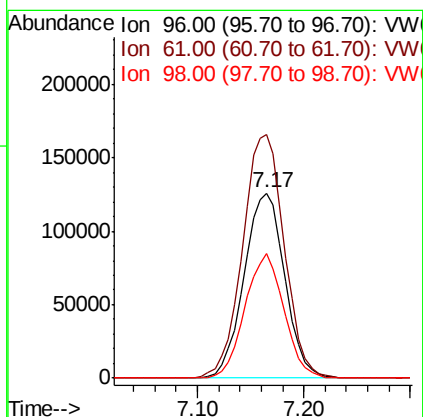
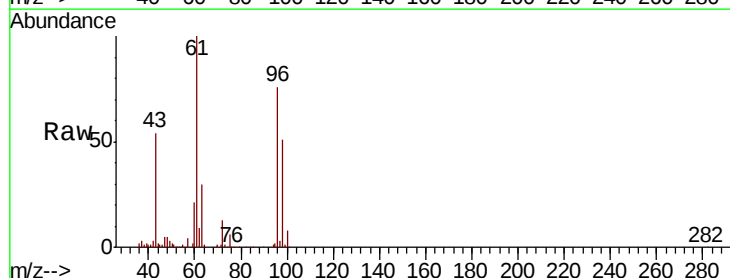
Tgt Ion: 96 Resp: 337608

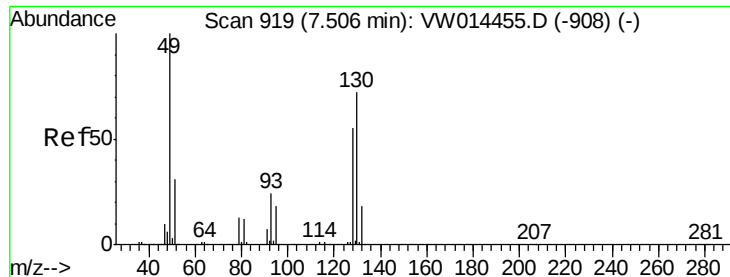
Ion Ratio Lower Upper

96 100

61 131.6 86.9 161.5

98 67.6 45.5 84.5





#23

Bromochloromethane

Concen: 21.606 ug/L

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion:128 Resp: 144117

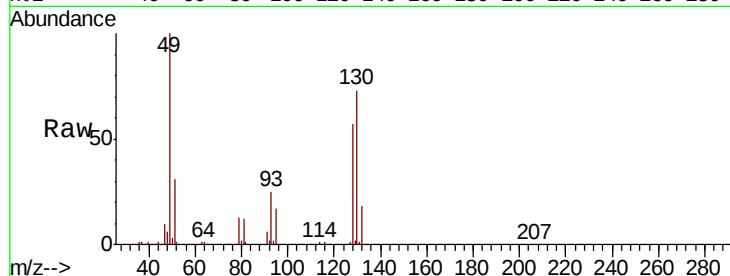
Ion Ratio Lower Upper

128 100

49 176.9 95.1 176.5#

130 128.9 85.0 158.0

51 55.0 36.7 55.1



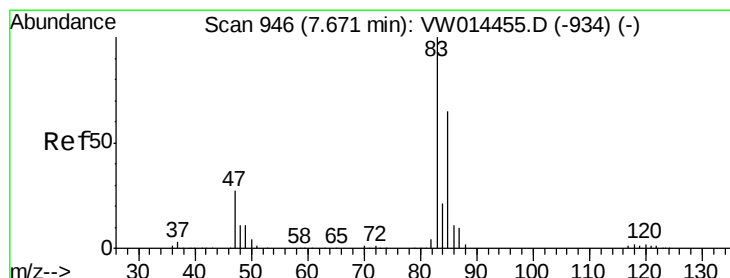
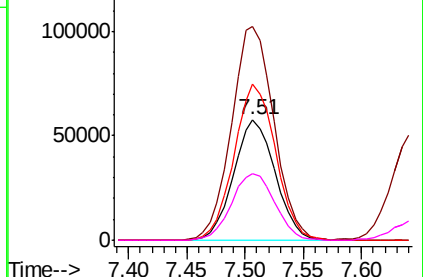
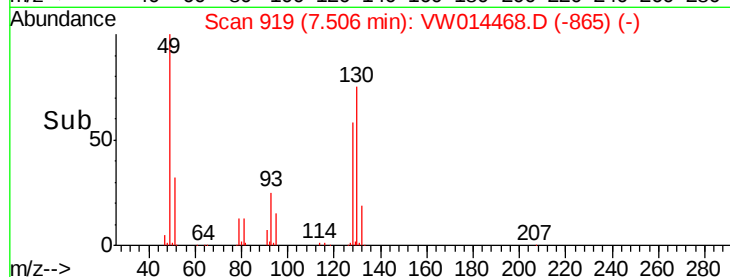
Abundance Ion 128.00 (127.70 to 128.70): V

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

Time-->



#25

Chloroform

Concen: 24.440 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014468.D

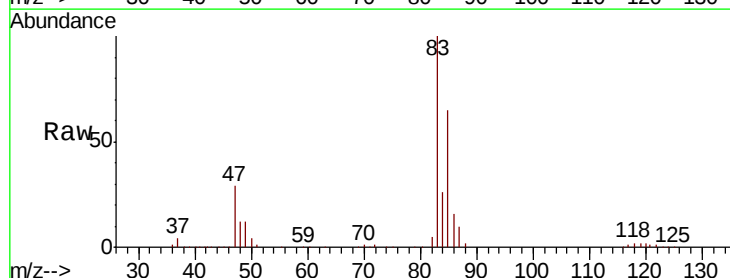
Acq: 20 Dec 2019 09:36

Tgt Ion: 83 Resp: 581503

Ion Ratio Lower Upper

83 100

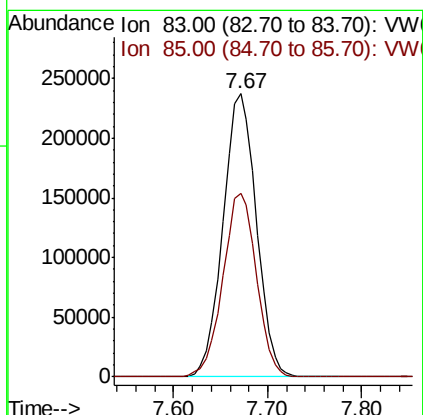
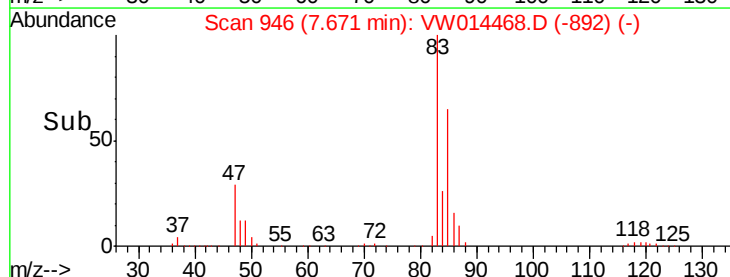
85 65.4 46.1 85.7

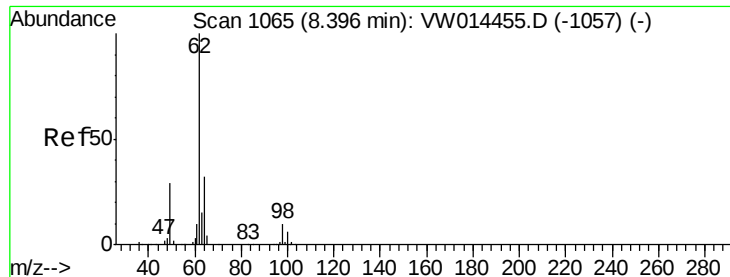


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Time-->

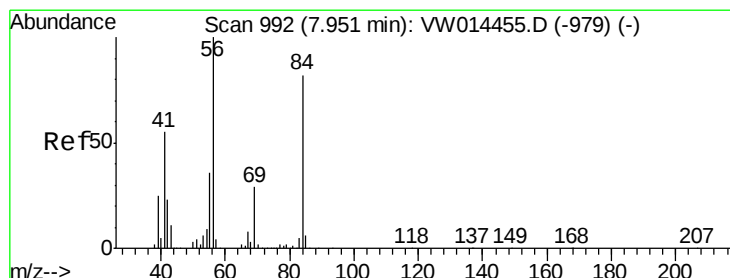
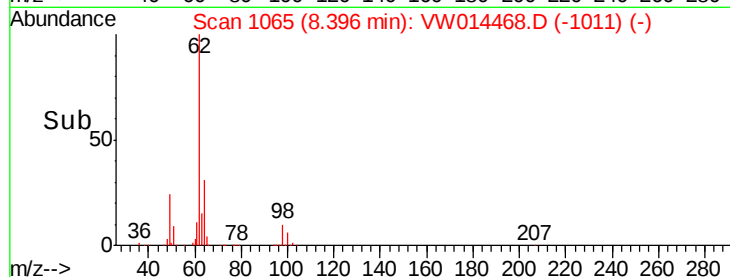
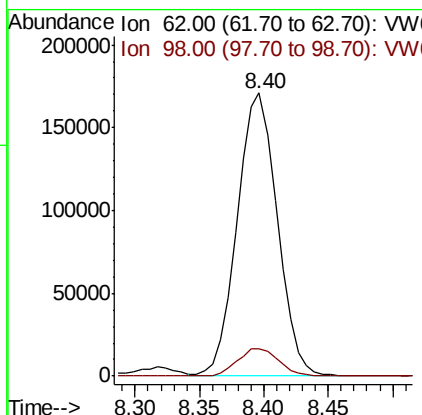
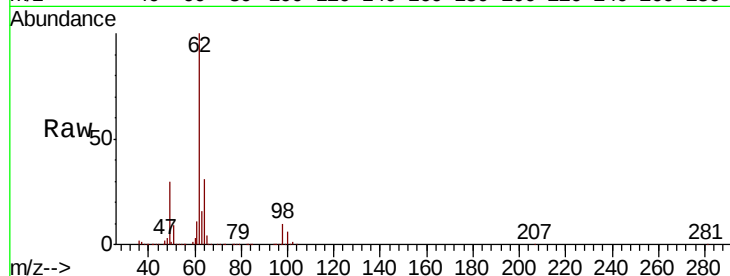




#27
 1,2-Dichloroethane
 Concen: 23.648 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW014468.D
 Acq: 20 Dec 2019 09:36

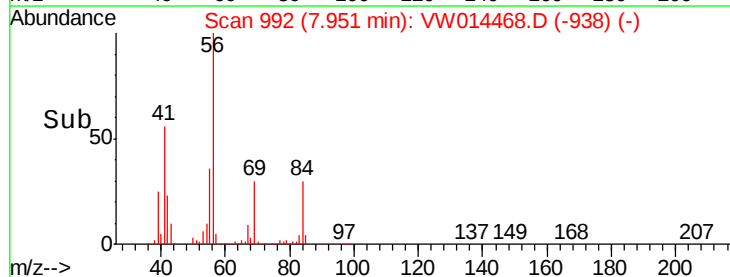
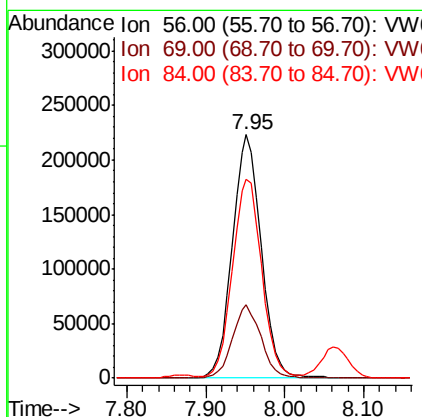
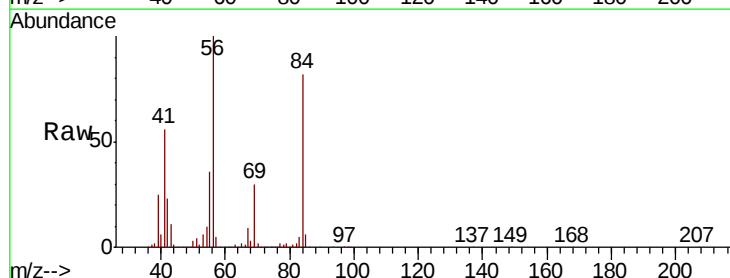
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

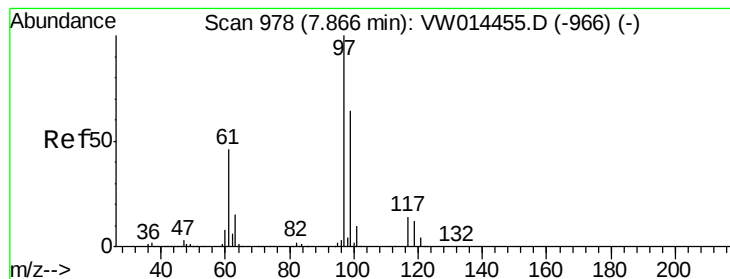
Tot Ion: 62 Resp: 368437
 Ion Ratio Lower Upper
 62 100
 98 9.6 9.3 13.9



#30
 Cyclohexane
 Concen: 26.926 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW014468.D
 Acq: 20 Dec 2019 09:36

Tgt Ion: 56 Resp: 567862
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.6 37.0
 84 82.7 70.2 105.2





#31

1,1,1-Trichloroethane

Concen: 27.322 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

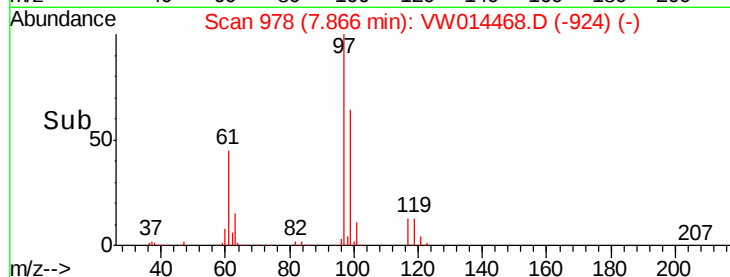
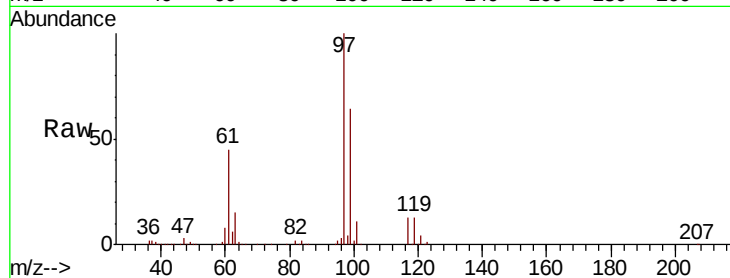
Tot Ion: 97 Resp: 463618

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

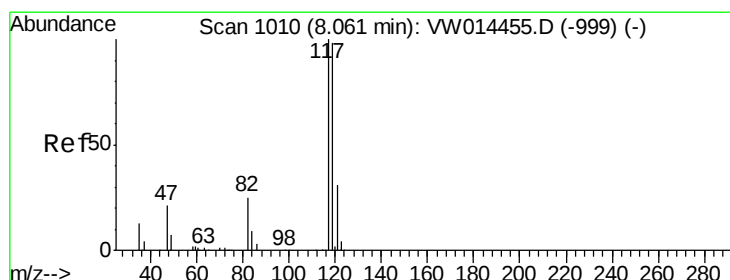
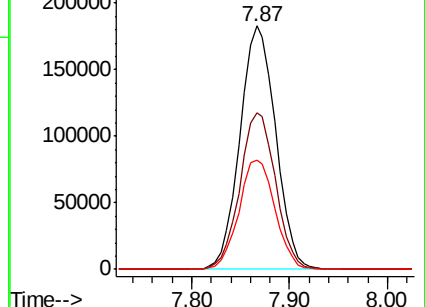
61 45.4 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 26.760 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014468.D

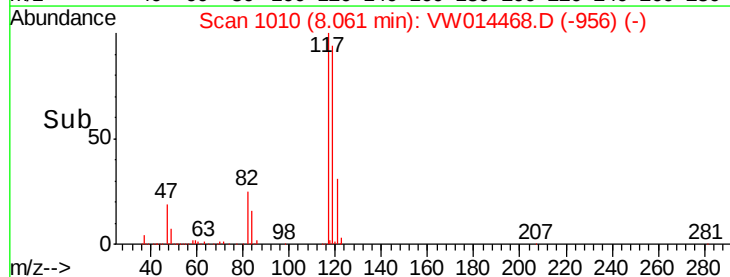
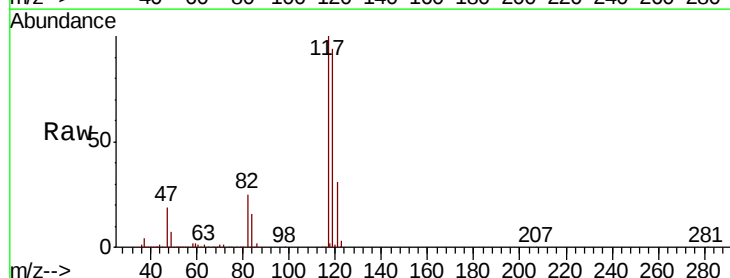
Acq: 20 Dec 2019 09:36

Tgt Ion: 117 Resp: 430846

Ion Ratio Lower Upper

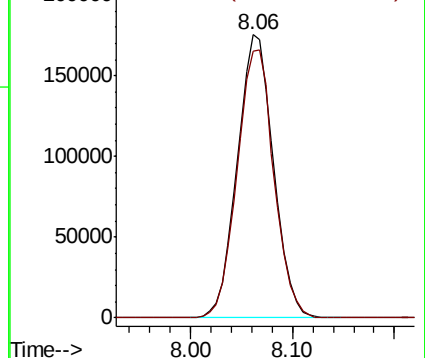
117 100

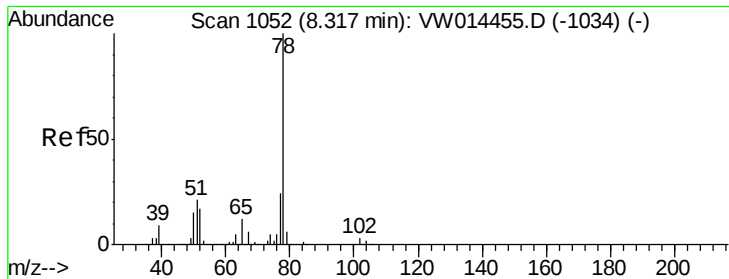
119 96.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 25.084 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

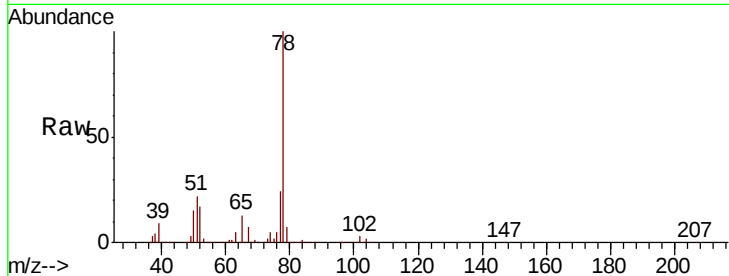
Instrument :

MSVOA_W

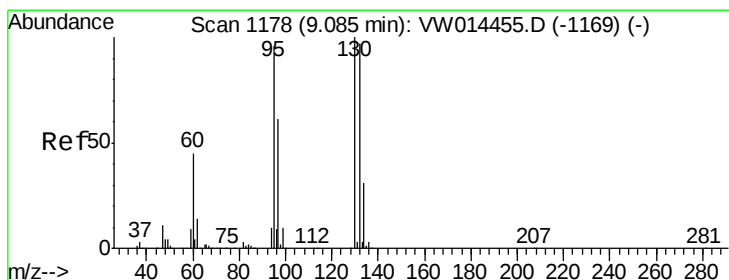
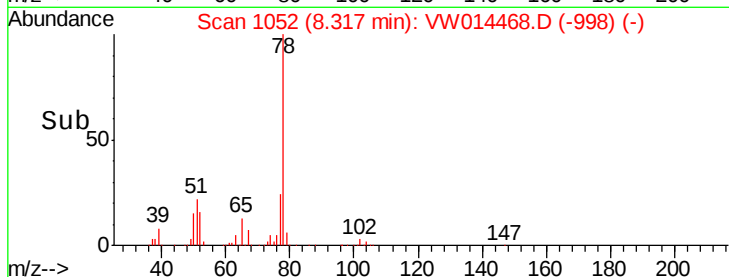
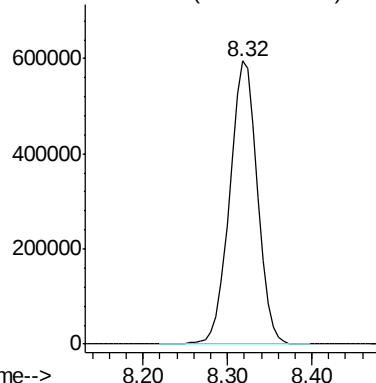
ClientSampleId :

VSTD02530

Tgt Ion: 78 Resp: 1341962



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 24.603 ug/L

RT: 9.09 min Scan# 1178

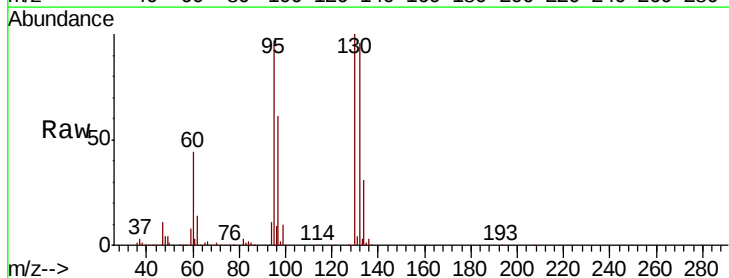
Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Tgt Ion: 95 Resp: 336776

Ion	Ratio	Lower	Upper
95	100		
97	63.7	45.1	83.9
132	97.5	73.7	136.9
130	102.8	76.6	142.2

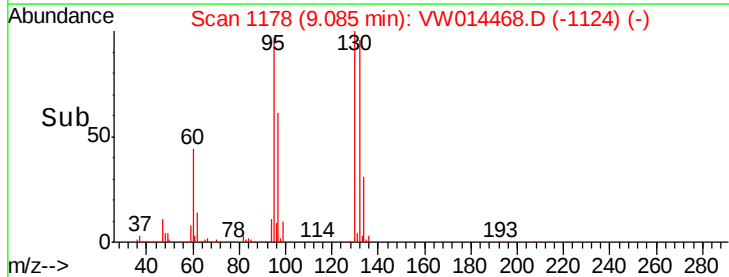
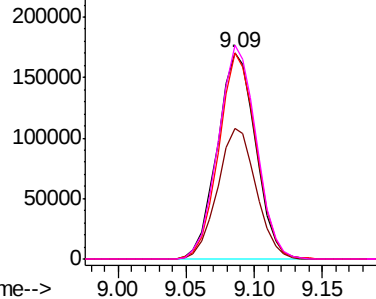


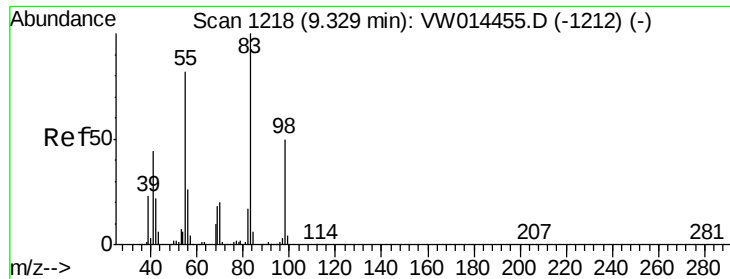
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

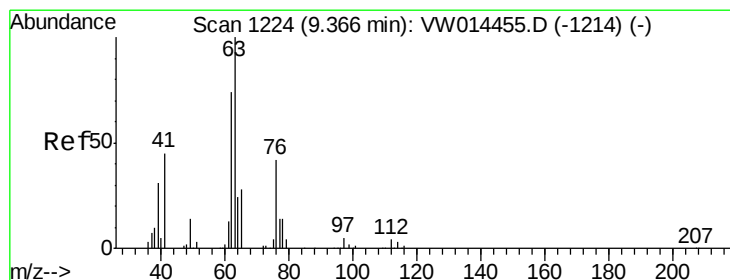
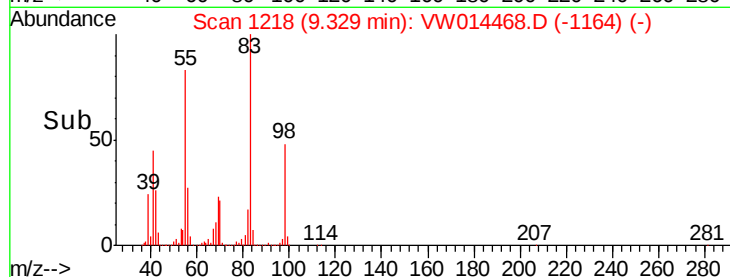
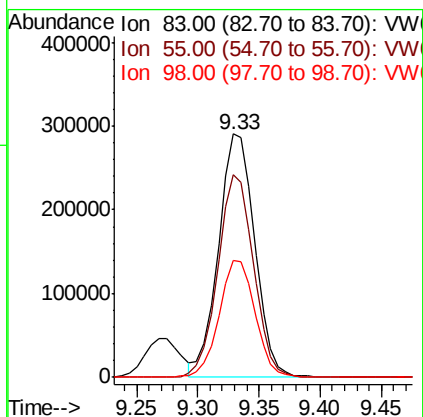
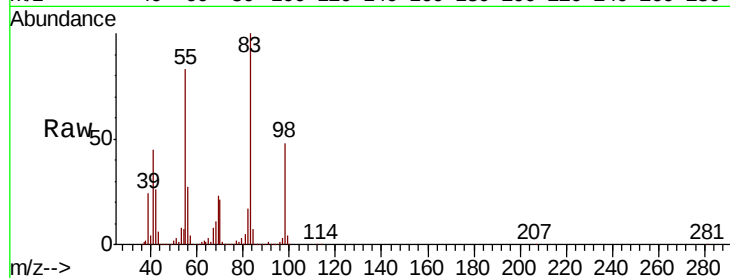




#36
Methvlcvclohexane
Concen: 26.017 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

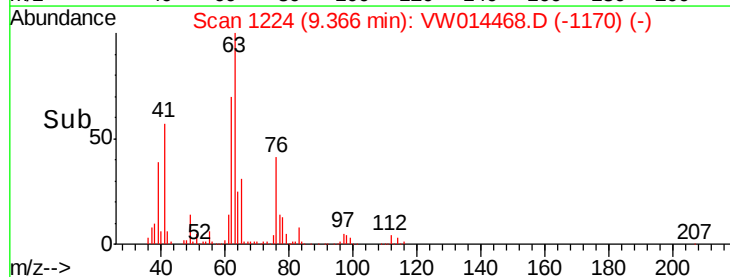
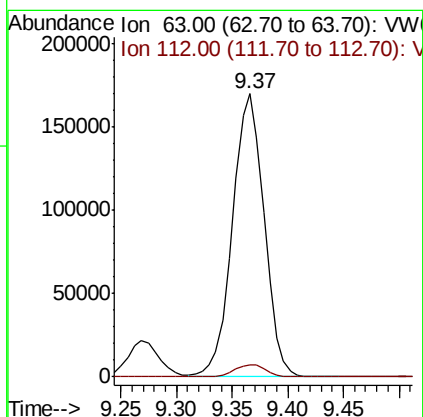
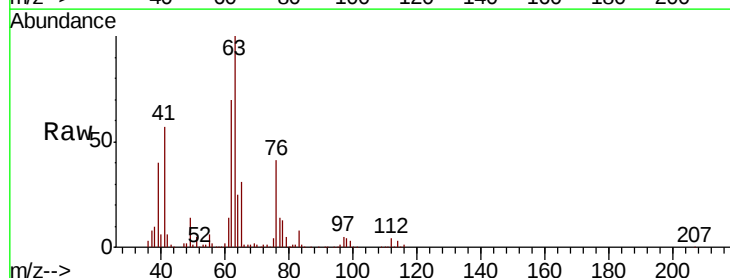
Instrument :
MSVOA_W
ClientSampleId :
VSTD02530

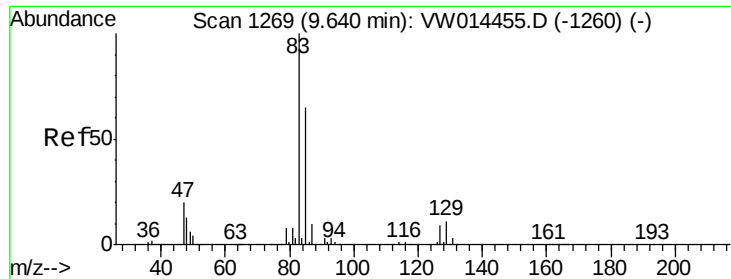
Tot Ion: 83 Resp: 598429
Ion Ratio Lower Upper
83 100
55 81.7 59.8 89.8
98 47.9 39.5 59.3



#40
1,2-Dichloropropane
Concen: 24.381 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

Tgt Ion: 63 Resp: 335090
Ion Ratio Lower Upper
63 100
112 4.5 3.9 5.9

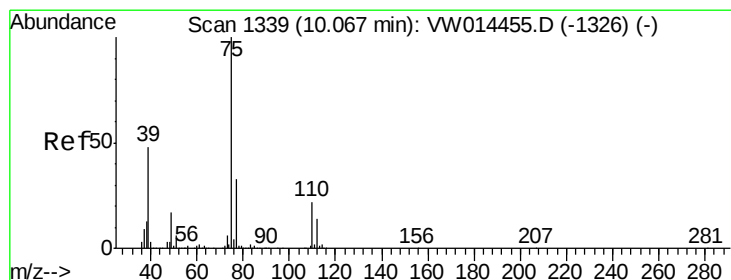
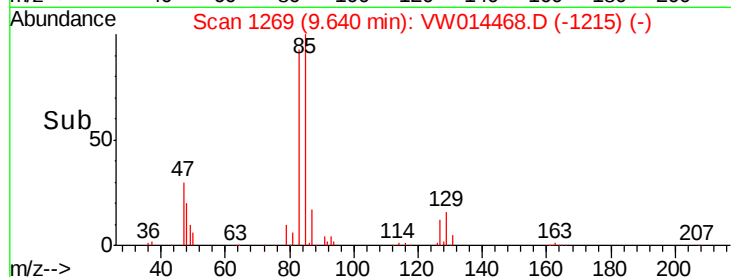
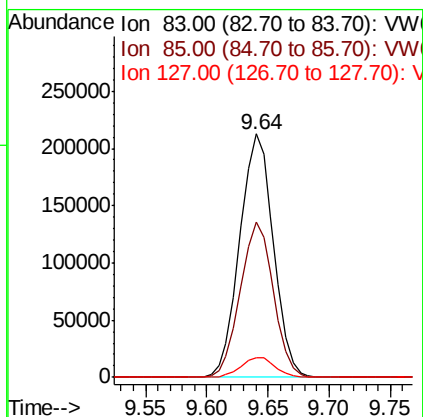
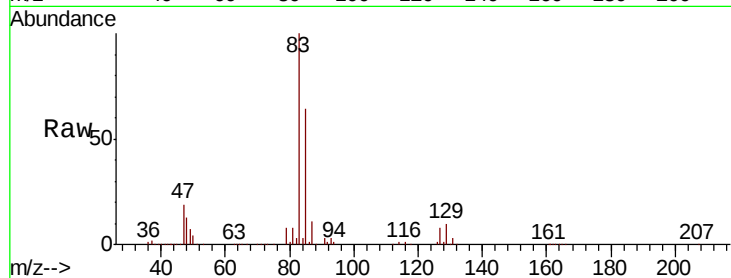




#41
 Bromodichloromethane
 Concen: 24.319 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014468.D
 Acq: 20 Dec 2019 09:36

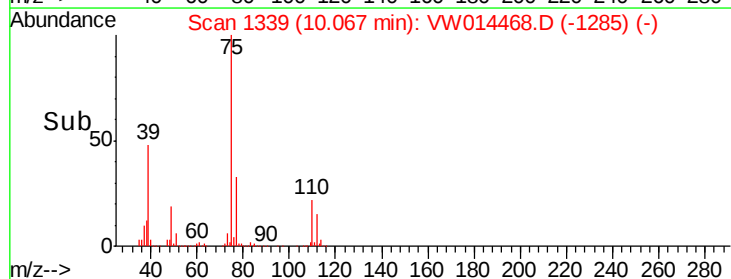
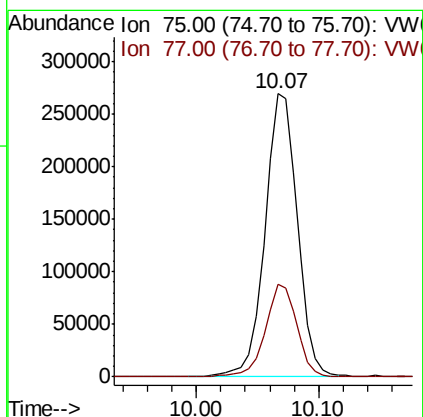
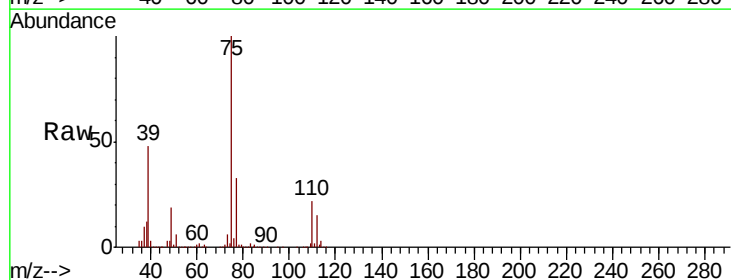
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

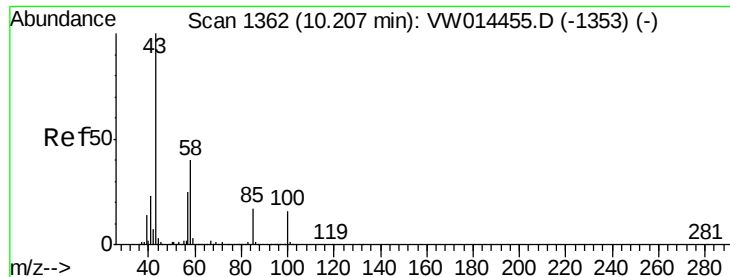
Tot Ion	83	Resp	406207
Ion Ratio	Lower	Upper	
83	100		
85	63.9	45.1	83.7
127	7.8	7.4	11.0



#42
 cis-1,3-Dichloropropene
 Concen: 24.036 ug/L
 RT: 10.07 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VW014468.D
 Acq: 20 Dec 2019 09:36

Tgt Ion	75	Resp	494732
Ion Ratio	Lower	Upper	
75	100		
77	32.8	22.1	41.1

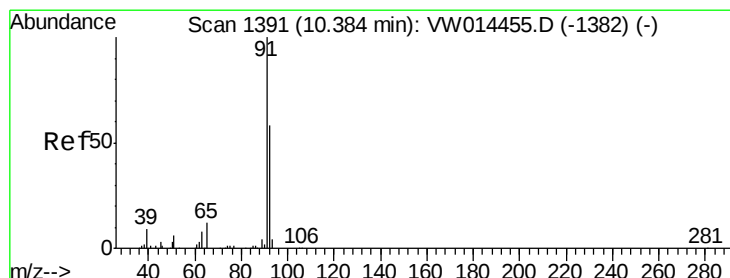
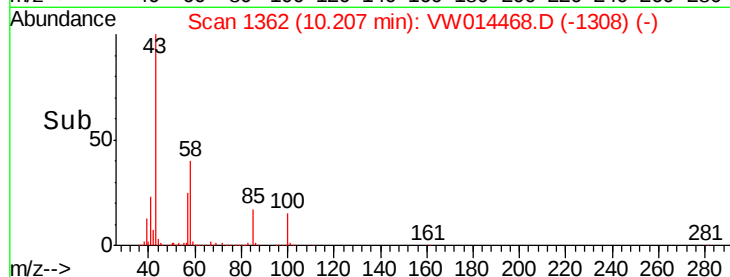
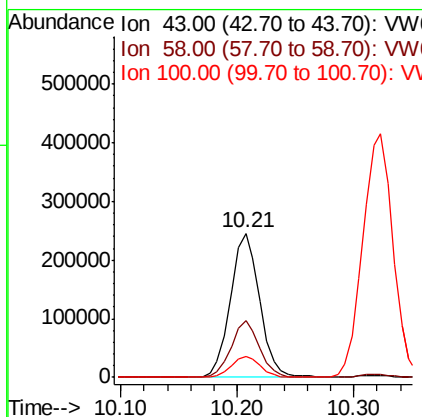
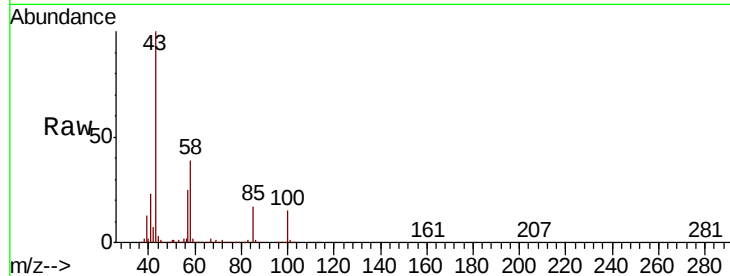




#43
4-Methyl-2-pentanone
Concen: 47.108 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

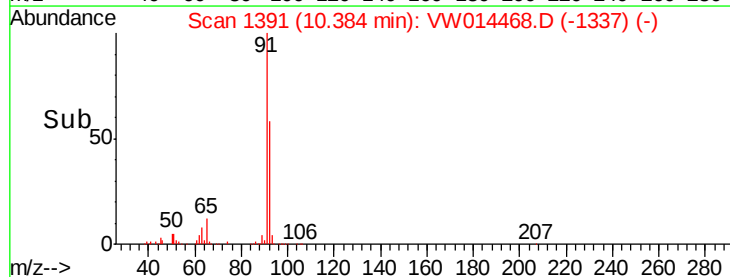
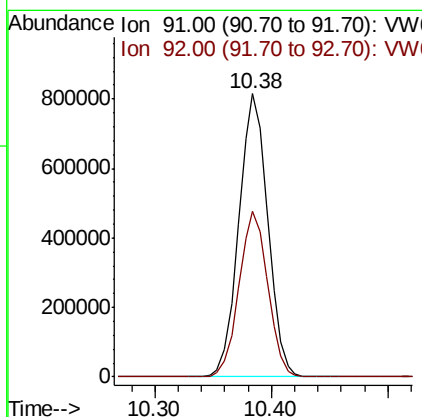
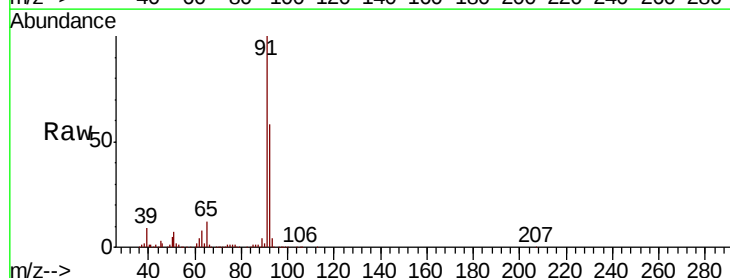
Instrument :
MSVOA_W
ClientSampled :
VSTD02530

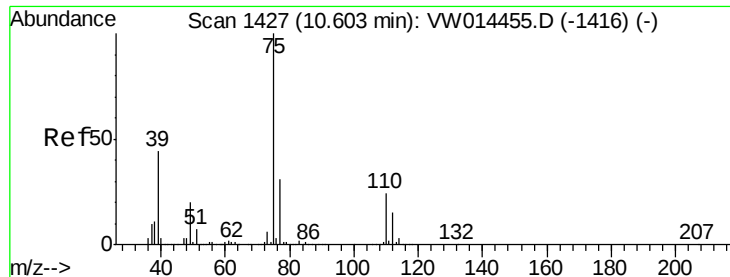
Tot Ion: 43 Resp: 426949
Ion Ratio Lower Upper
43 100
58 38.2 32.6 49.0
100 14.8 13.8 20.8



#44
Toluene
Concen: 25.191 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW014468.D
Acq: 20 Dec 2019 09:36

Tgt Ion: 91 Resp: 1412894
Ion Ratio Lower Upper
91 100
92 58.5 40.7 75.7





#45

trans-1,3-Dichloropropene

Concen: 23.997 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

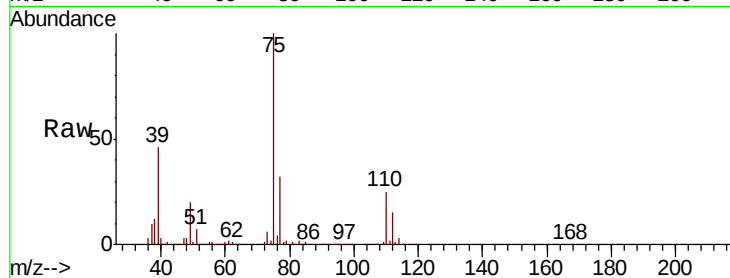
VSTD02530

Tot Ion: 75 Resp: 399816

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

250000

200000

150000

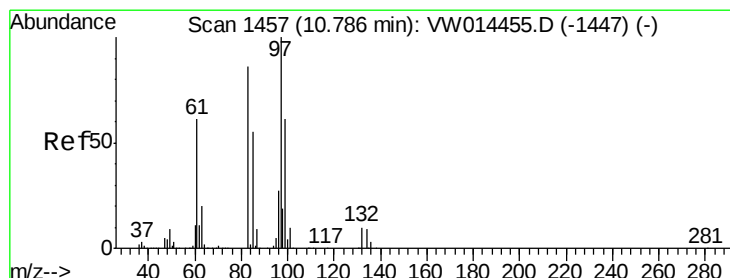
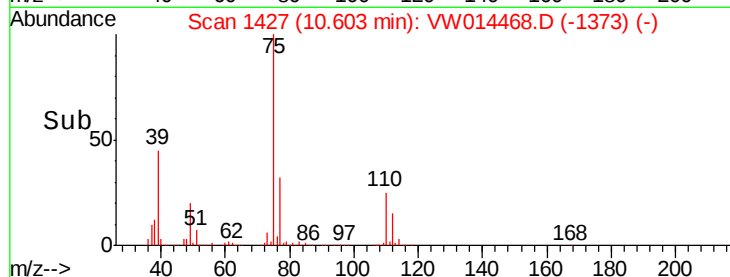
100000

50000

0

Time-->

10.50 10.60 10.70



#46

1,1,2-Trichloroethane

Concen: 22.482 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Tgt Ion: 97 Resp: 231545

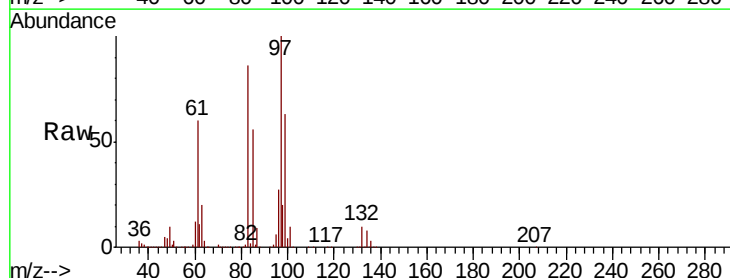
Ion Ratio Lower Upper

97 100

83 86.0 58.9 109.5

85 56.2 38.1 70.9

99 62.7 46.5 86.3



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

200000

150000

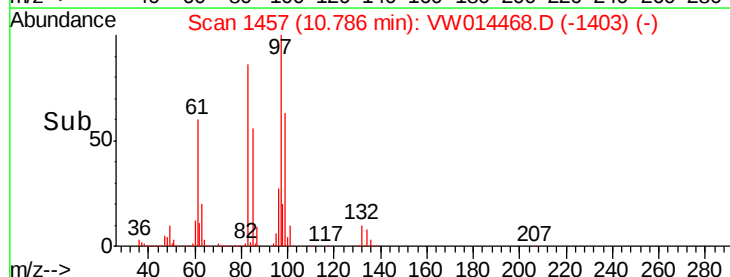
100000

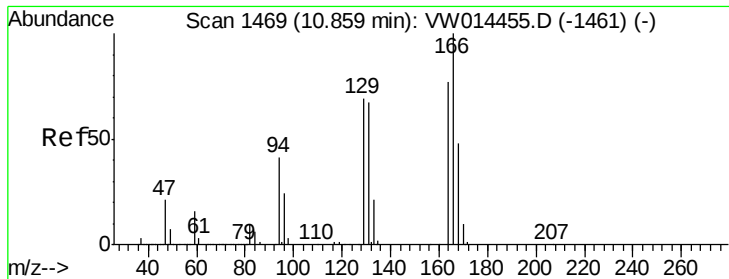
50000

0

Time-->

10.70 10.80





#47

Tetrachloroethene

Concen: 24.239 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

Tot Ion:164 Resp: 276544

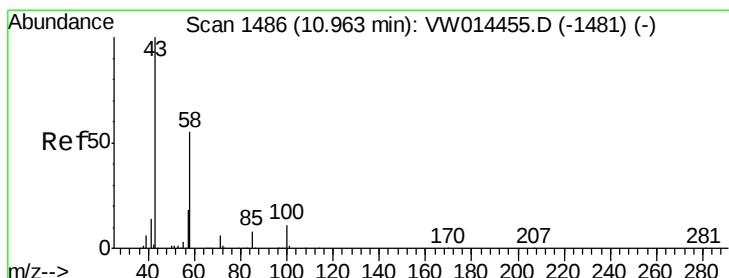
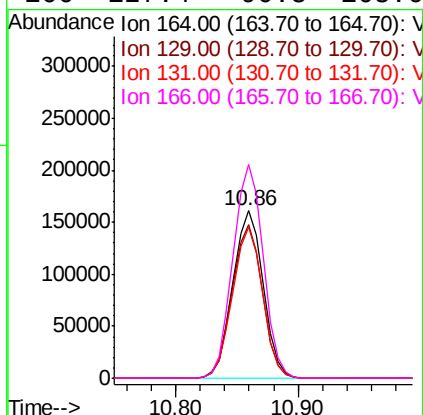
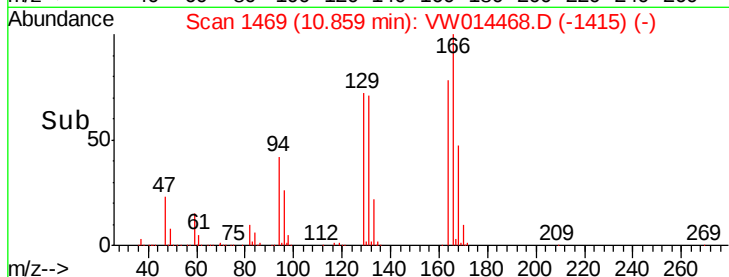
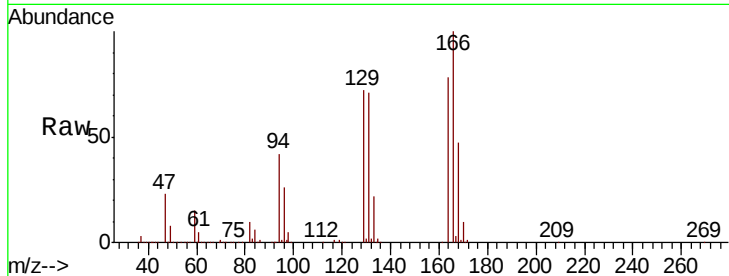
Ion Ratio Lower Upper

164 100

129 91.5 60.6 112.6

131 90.4 59.1 109.7

166 127.4 90.8 168.6



#49

2-Hexanone

Concen: 48.491 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Tgt Ion: 43 Resp: 312882

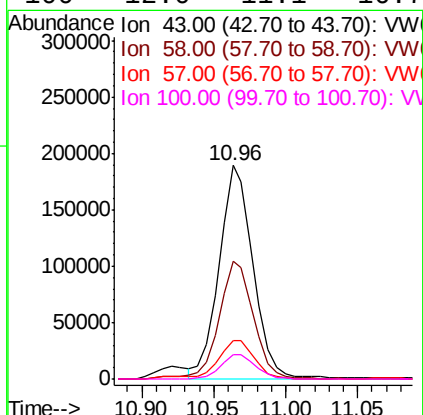
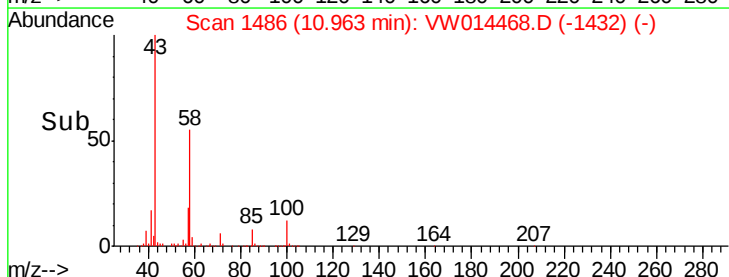
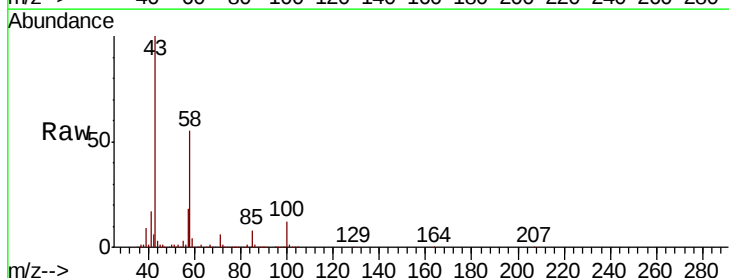
Ion Ratio Lower Upper

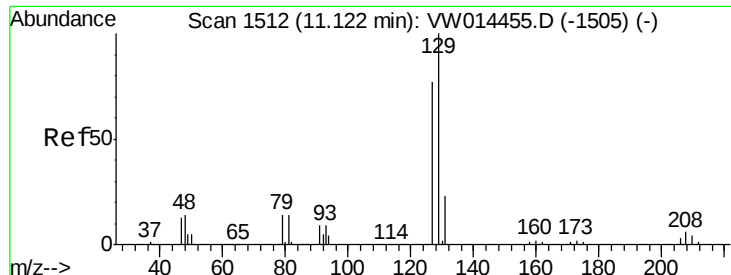
43 100

58 54.3 44.4 66.6

57 18.8 16.5 24.7

100 12.0 11.1 16.7





#50

Dibromochloromethane

Concen: 22.563 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.01 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

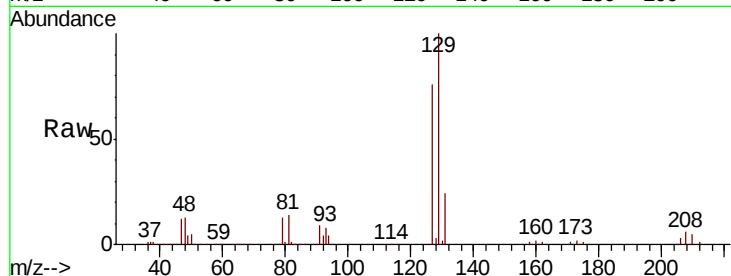
VSTD02530

Tot Ion:129 Resp: 260810

Ion Ratio Lower Upper

129 100

127 76.5 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

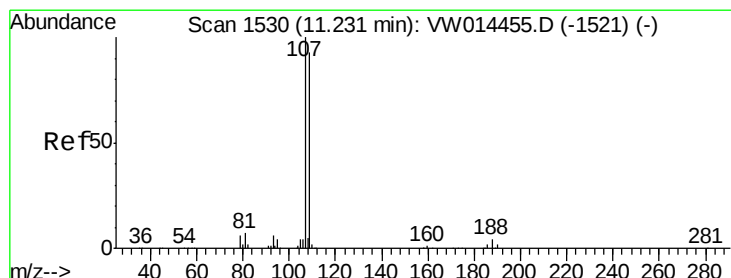
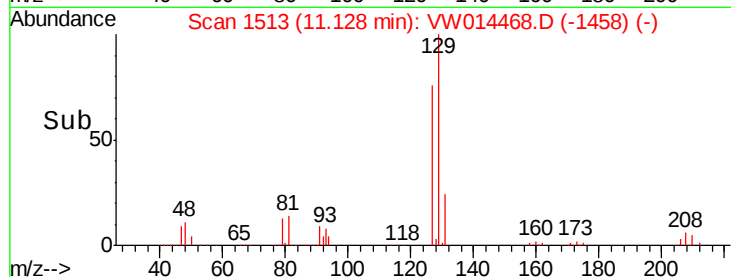
150000

100000

50000

0

Time-->



#51

1,2-Dibromoethane

Concen: 22.016 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

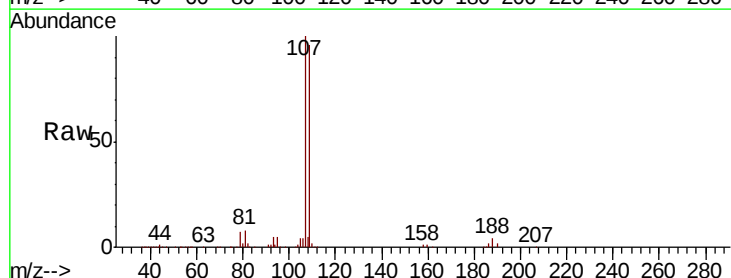
Tgt Ion:107 Resp: 214779

Ion Ratio Lower Upper

107 100

109 96.2 64.6 120.0

188 3.8 3.9 5.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.23

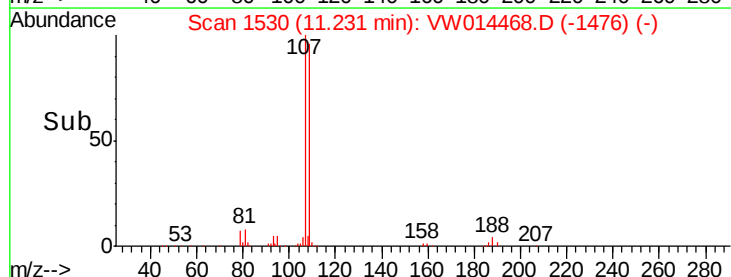
150000

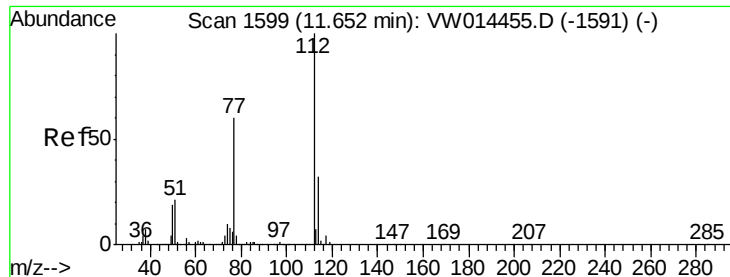
100000

50000

0

Time-->





#52

Chlorobenzene

Concen: 23.484 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

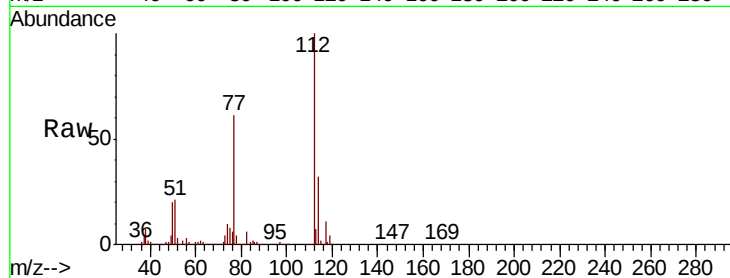
Tot Ion:112 Resp: 851269

Ion Ratio Lower Upper

112 100

77 60.9 42.2 63.4

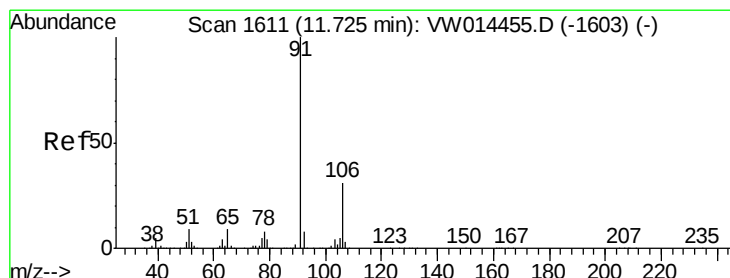
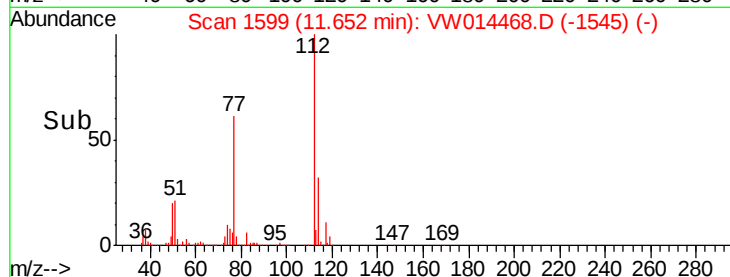
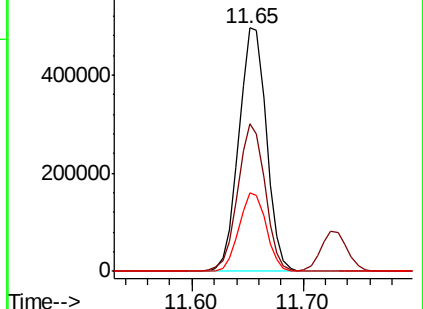
114 32.0 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 25.366 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014468.D

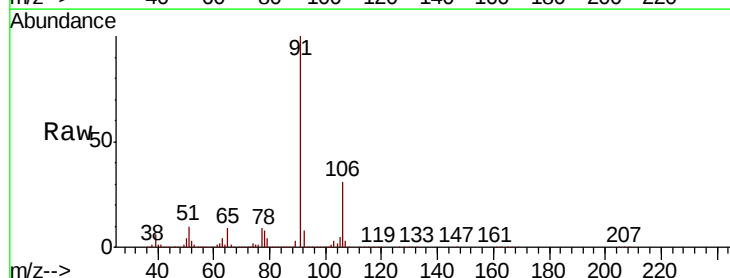
Acq: 20 Dec 2019 09:36

Tgt Ion: 91 Resp: 1543789

Ion Ratio Lower Upper

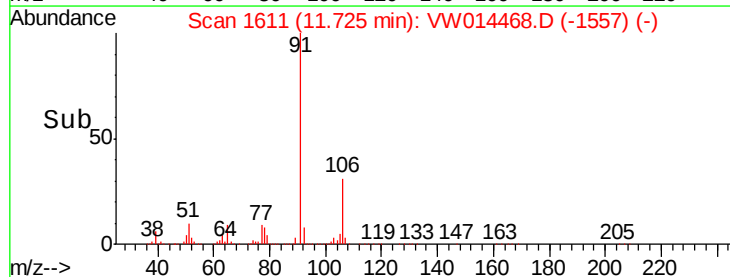
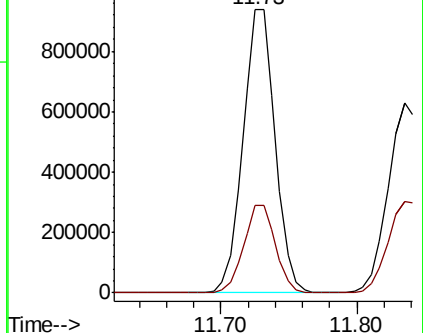
91 100

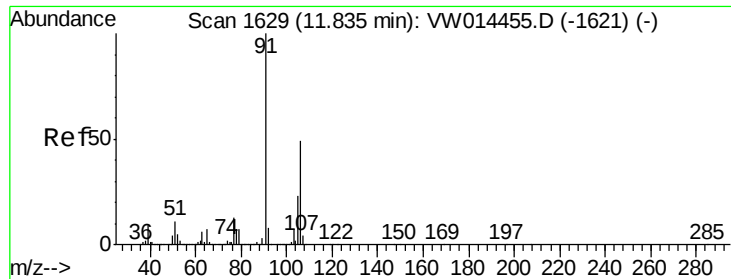
106 30.8 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 24.902 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

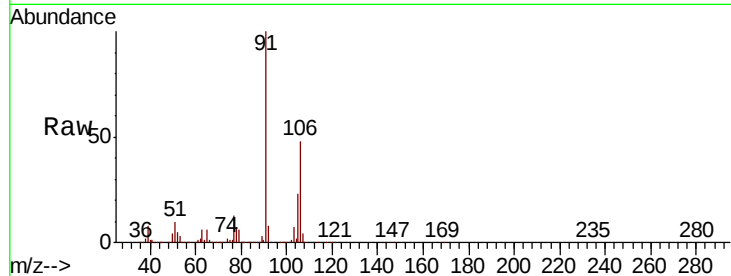
VSTD02530

Tot Ion:106 Resp: 582987

Ion Ratio Lower Upper

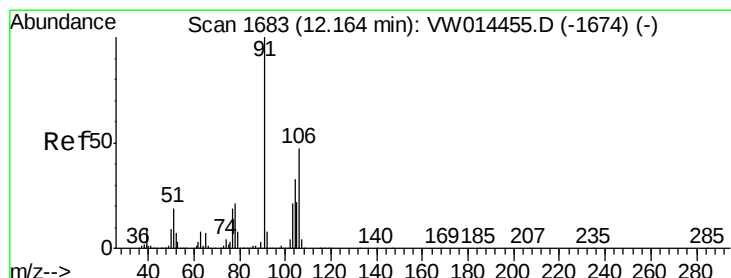
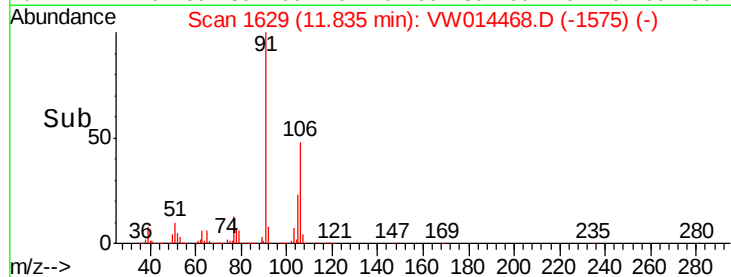
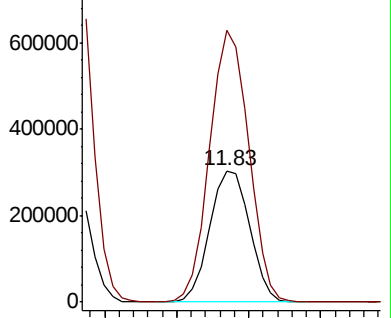
106 100

91 206.2 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 24.284 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014468.D

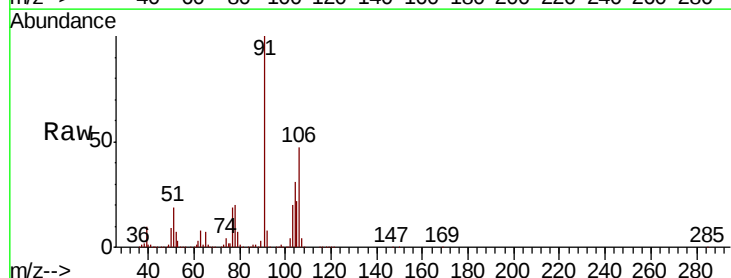
Acq: 20 Dec 2019 09:36

Tgt Ion:106 Resp: 539242

Ion Ratio Lower Upper

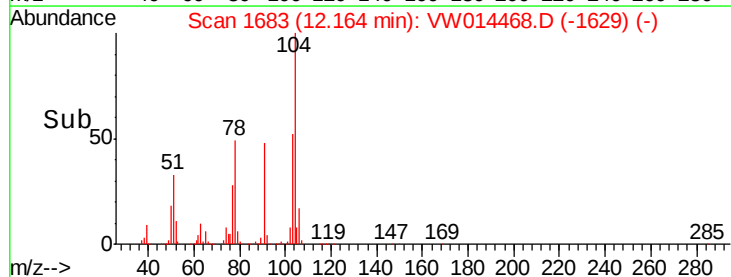
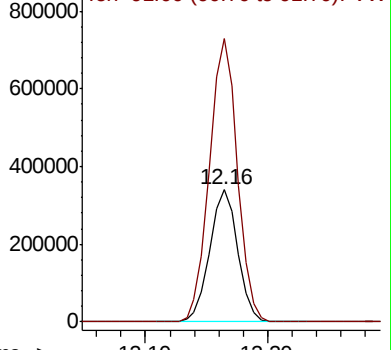
106 100

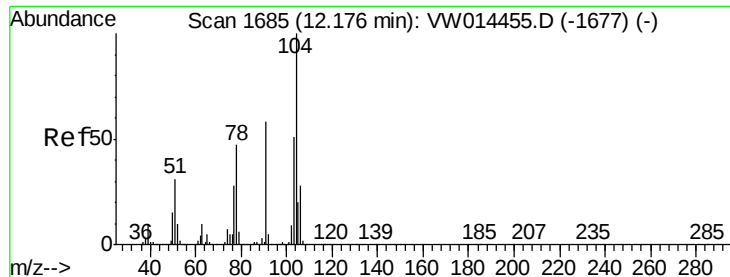
91 214.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 24.394 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

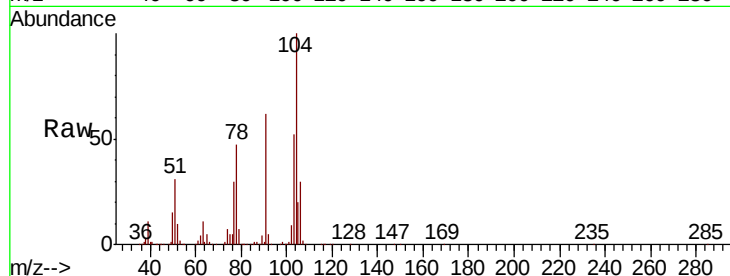
VSTD02530

Tot Ion:104 Resp: 926667

Ion Ratio Lower Upper

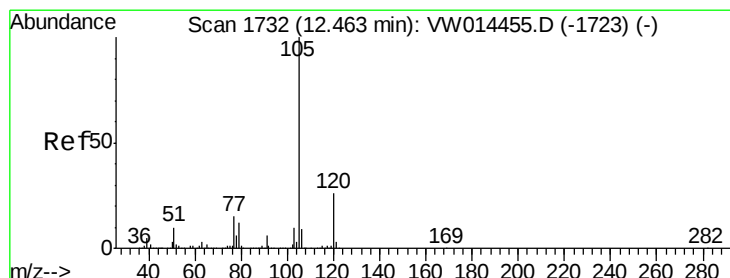
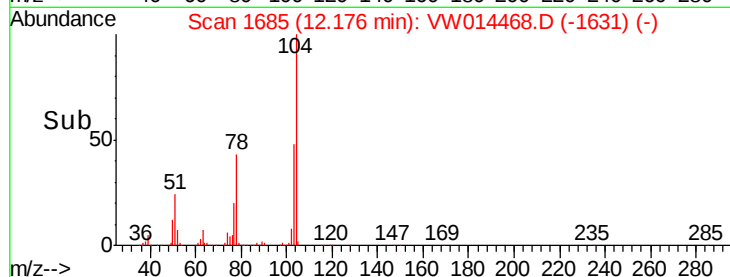
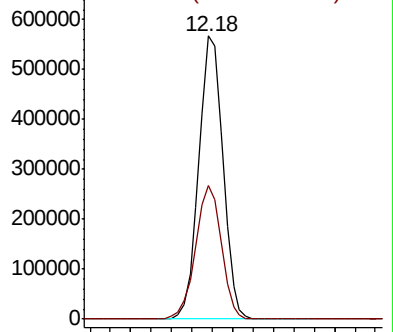
104 100

78 47.3 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 25.810 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

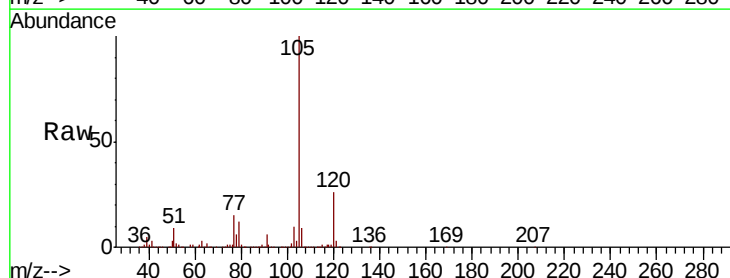
Tgt Ion:105 Resp: 1487907

Ion Ratio Lower Upper

105 100

120 26.0 21.6 32.4

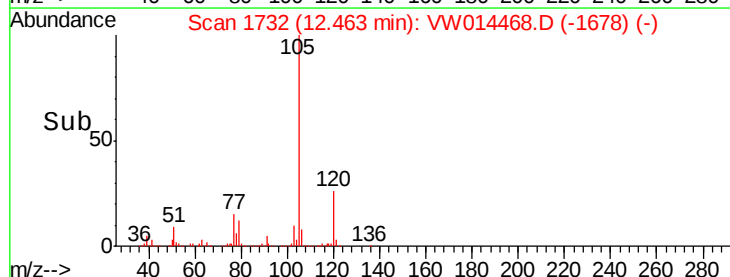
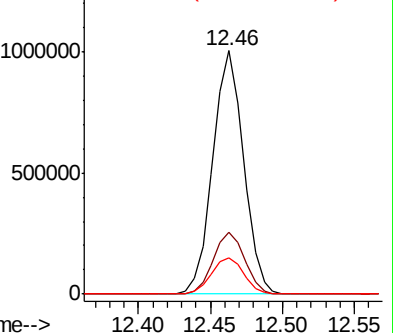
77 15.6 11.6 17.4

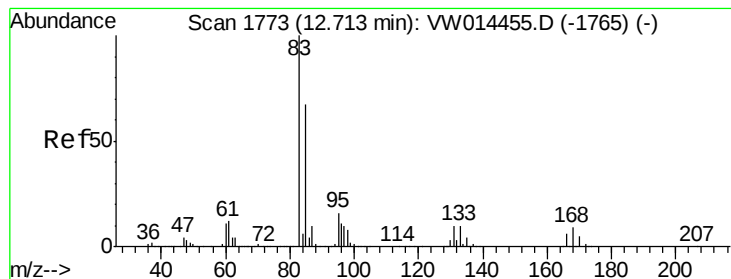


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 21.724 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

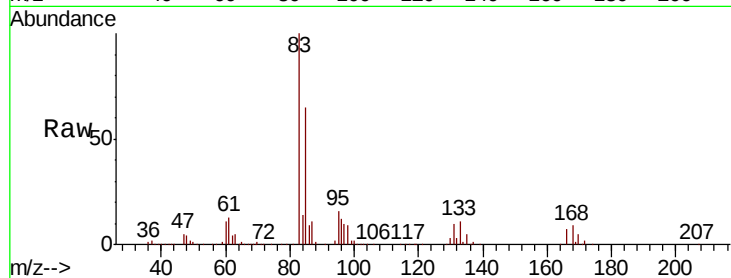
Tot Ion: 83 Resp: 277703

Ion Ratio Lower Upper

83 100

85 64.9 43.7 81.1

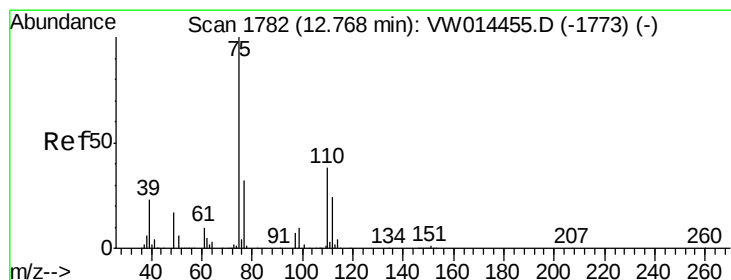
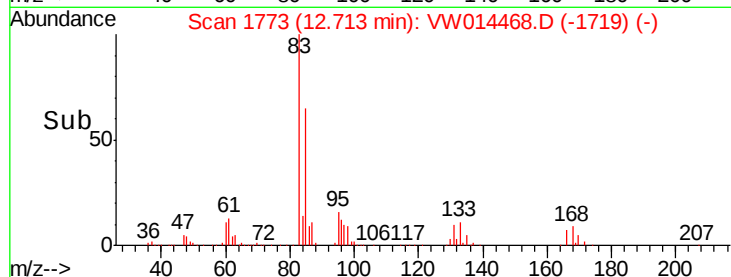
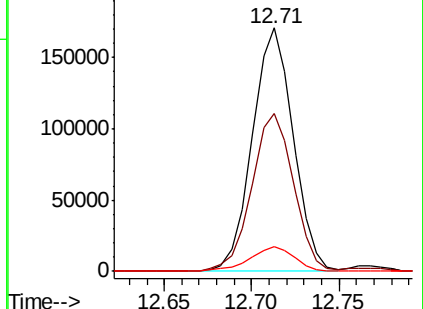
131 10.4 8.2 12.2



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): VW



#59

1,2,3-Trichloropropane

Concen: 22.125 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014468.D

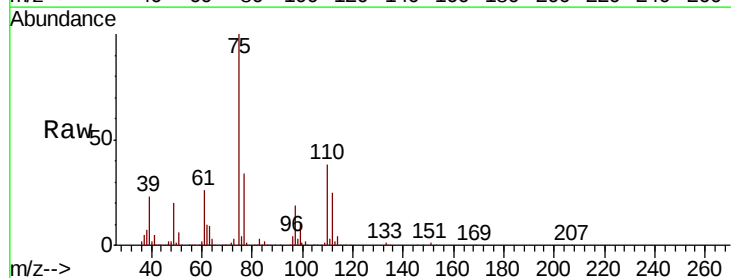
Acq: 20 Dec 2019 09:36

Tgt Ion: 75 Resp: 210162

Ion Ratio Lower Upper

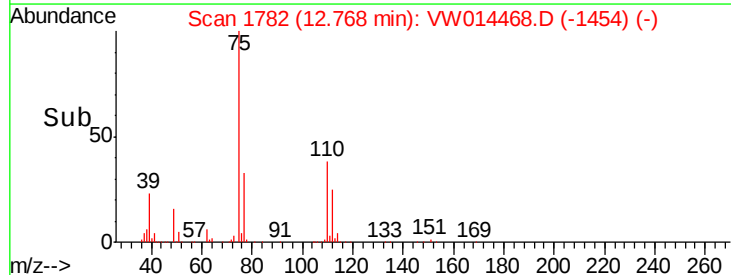
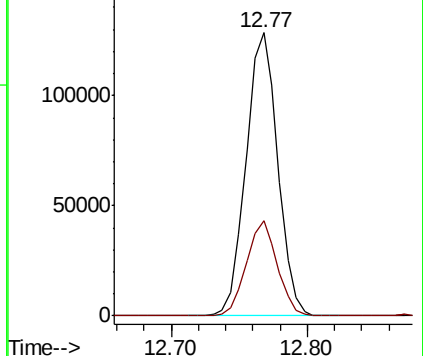
75 100

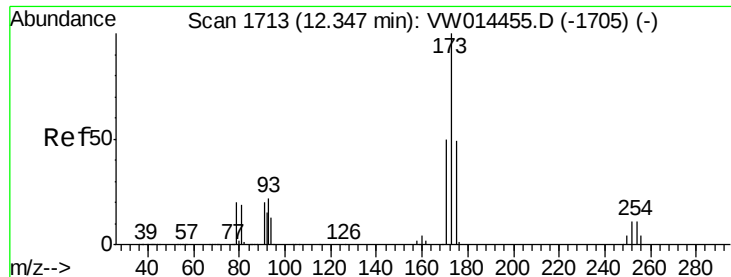
77 32.5 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 21.227 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

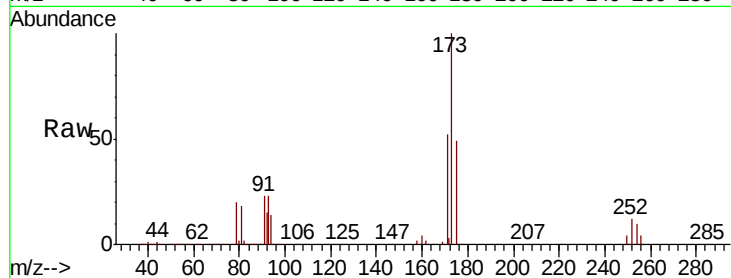
Tot Ion:173 Resp: 151483

Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

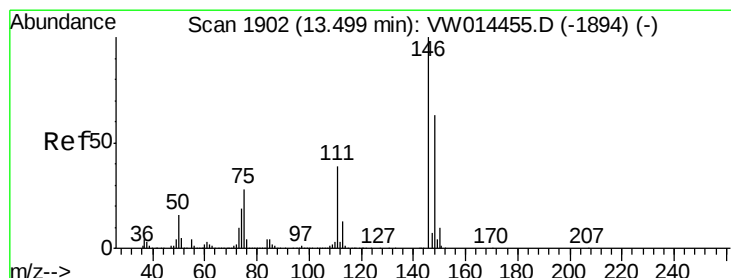
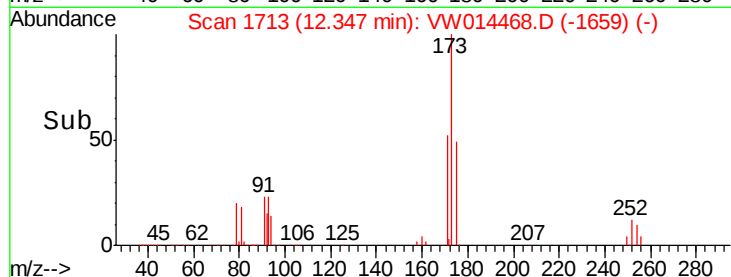
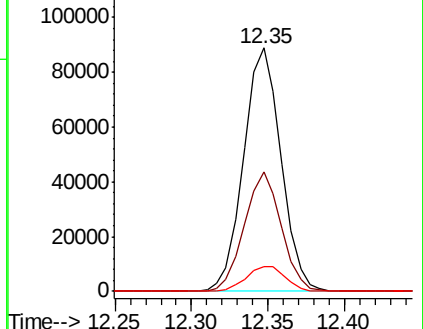
254 10.8 9.4 14.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 22.863 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

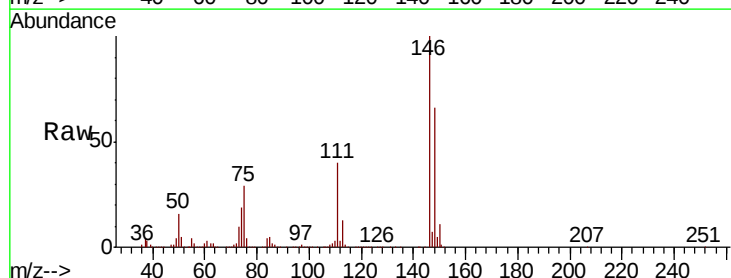
Tgt Ion:146 Resp: 646132

Ion Ratio Lower Upper

146 100

111 39.8 26.0 48.2

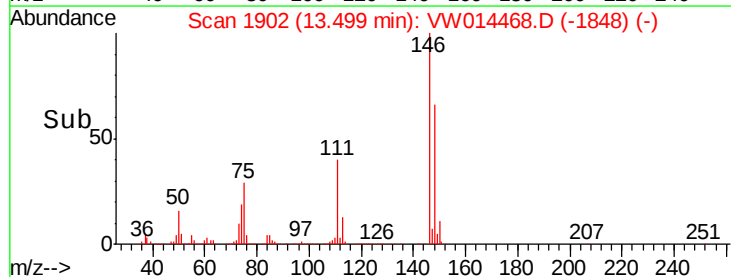
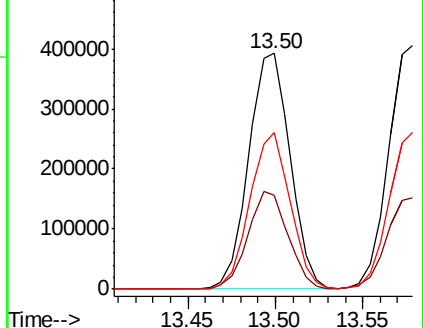
148 66.4 44.7 82.9

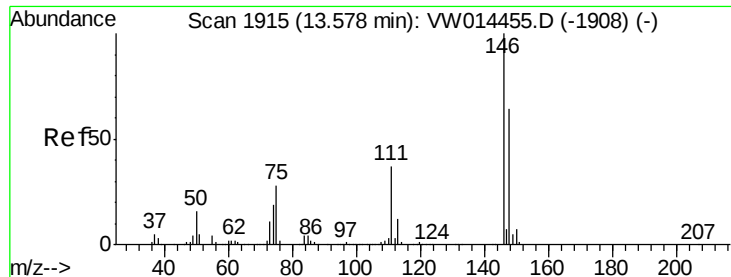


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 22.852 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

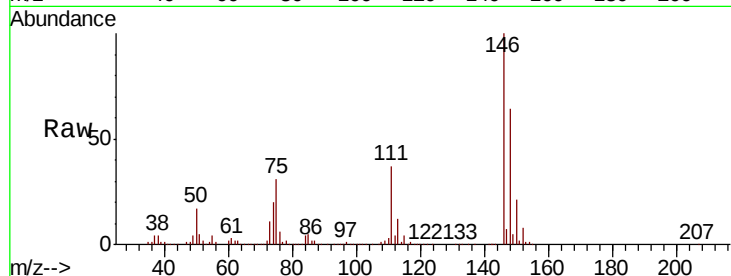
Tot Ion:146 Resp: 656172

Ion Ratio Lower Upper

146 100

111 37.4 24.9 46.3

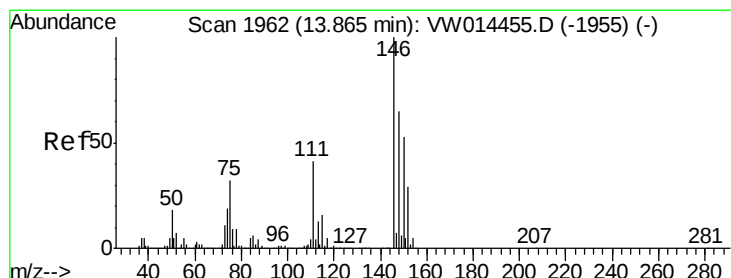
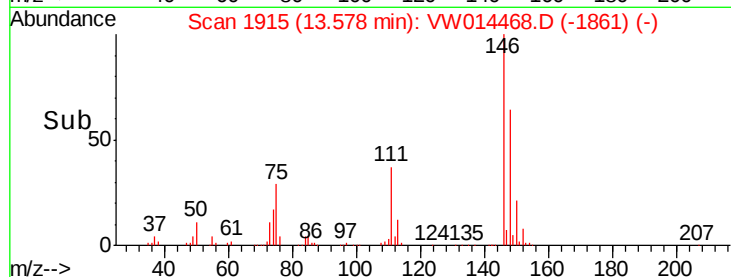
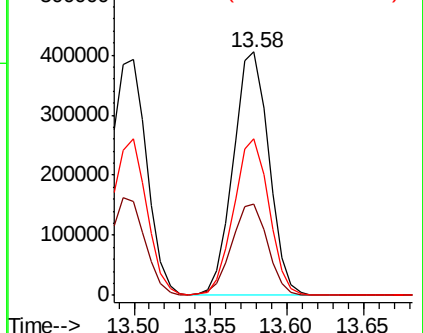
148 64.4 43.9 81.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 22.432 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

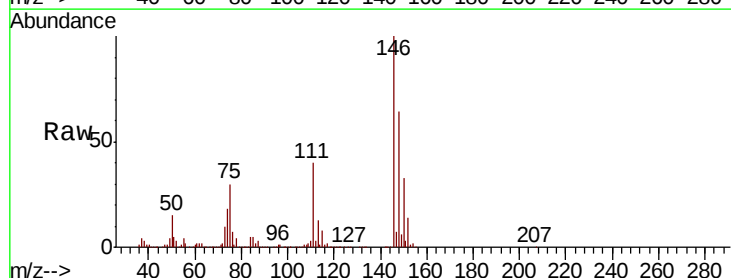
Tgt Ion:146 Resp: 589540

Ion Ratio Lower Upper

146 100

111 39.9 30.5 45.7

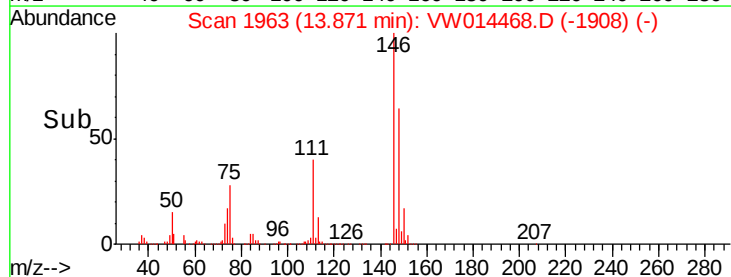
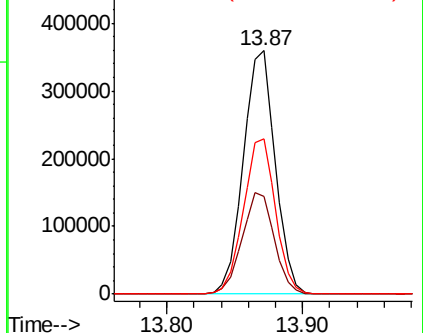
148 63.6 49.4 74.2

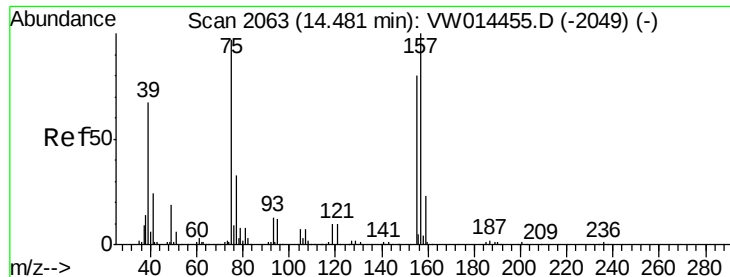


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 20.823 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

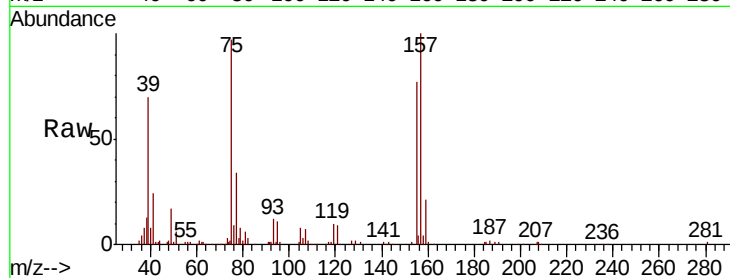
Tot Ion: 75 Resp: 42217

Ion Ratio Lower Upper

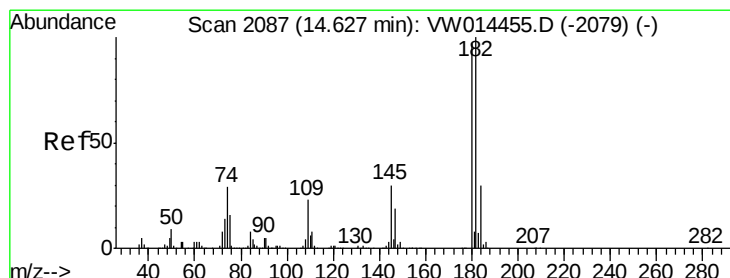
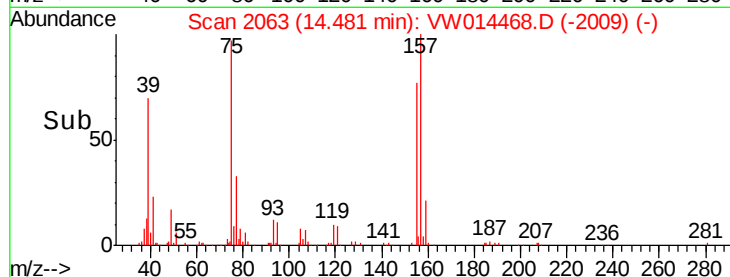
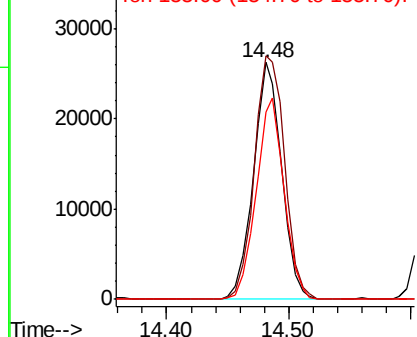
75 100

157 102.7 96.9 145.3

155 79.0 82.9 124.3#



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



#67

1,3,5-Trichlorobenzene

Concen: 23.324 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Tgt Ion: 180 Resp: 474252

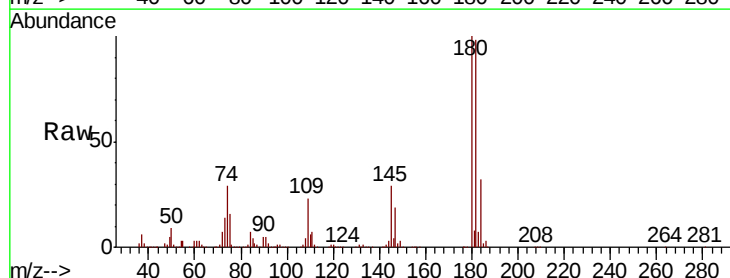
Ion Ratio Lower Upper

180 100

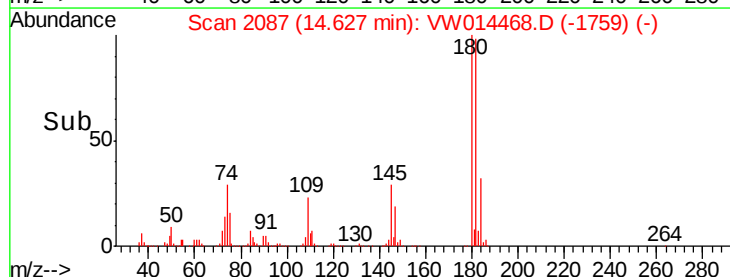
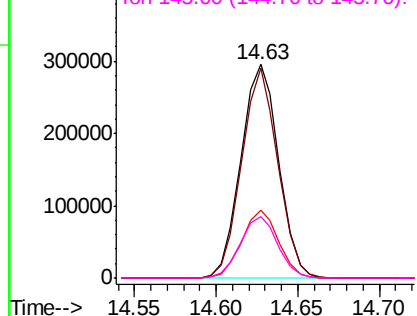
182 94.4 76.2 114.2

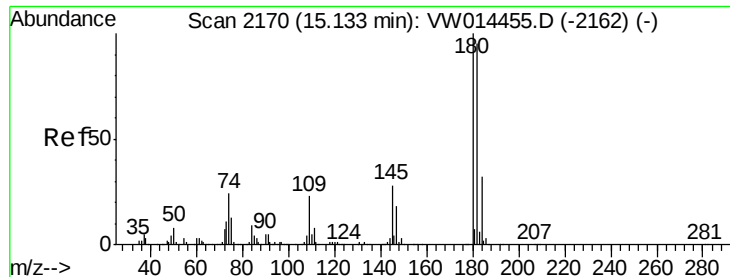
184 31.0 24.3 36.5

145 28.6 21.9 32.9



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

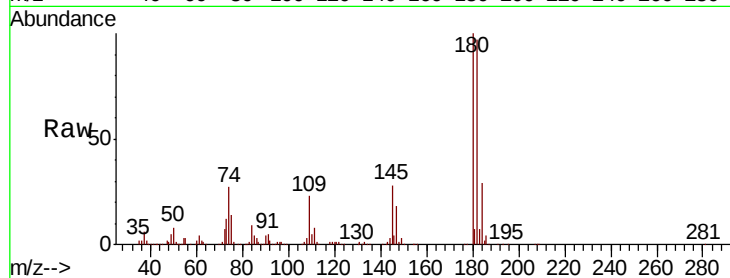




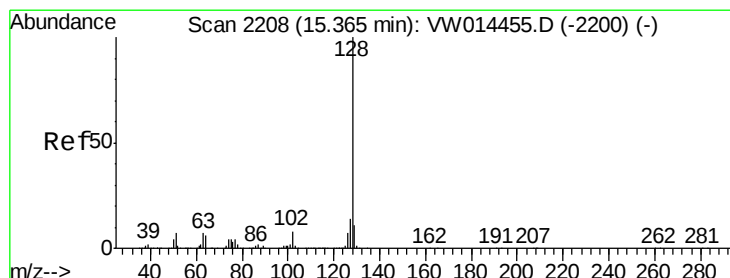
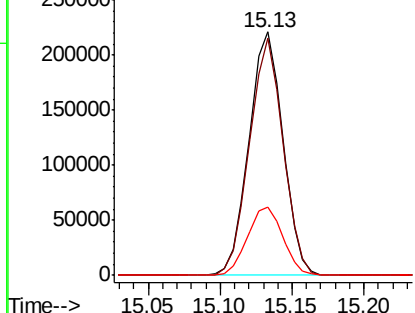
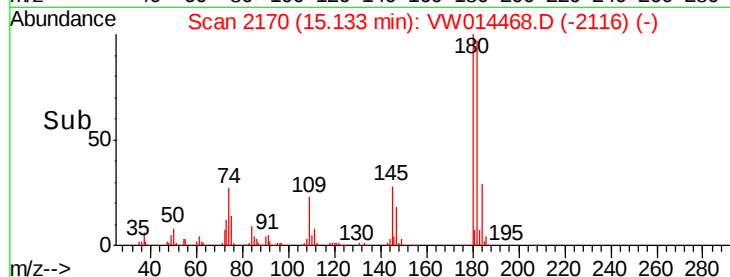
#68
 1,2,4-trichlorobenzene
 Concen: 22.703 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014468.D
 Acq: 20 Dec 2019 09:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02530

Tot Ion	180	Resp	359870
Ion Ratio	Lower	Upper	
180	100		
182	95.7	75.8	113.8
145	29.1	22.4	33.6

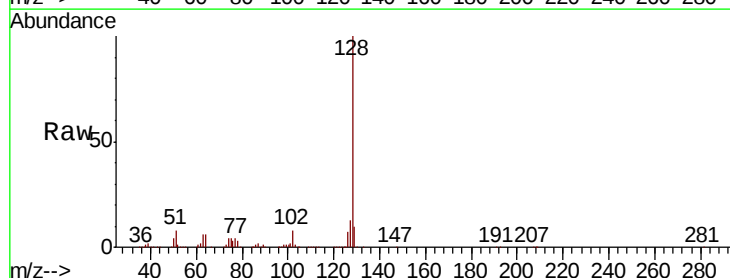


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

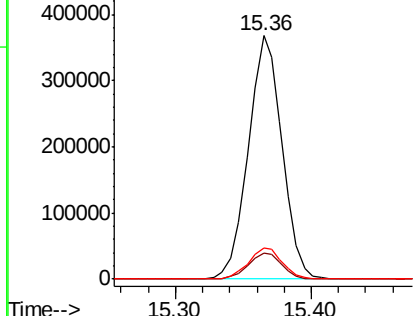
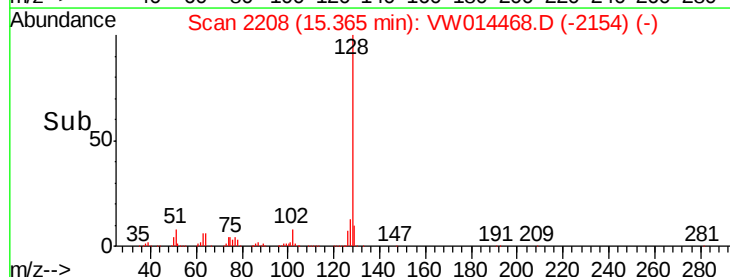


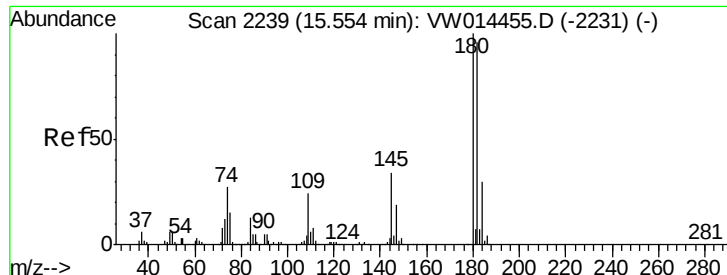
#69
 Naphthalene
 Concen: 21.384 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014468.D
 Acq: 20 Dec 2019 09:36

Tgt Ion	128	Resp	637441
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.8	13.2
127	13.0	10.4	15.6



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: 21.745 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014468.D

Acq: 20 Dec 2019 09:36

Instrument :

MSVOA_W

ClientSampleId :

VSTD02530

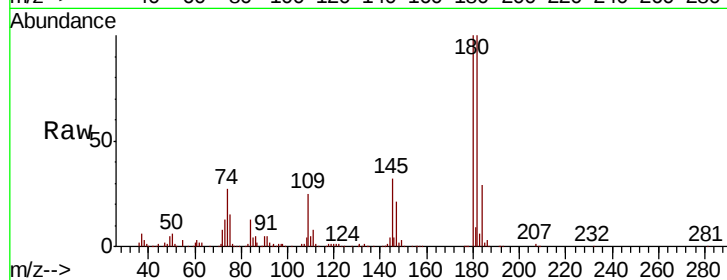
Tot Ion:180 Resp: 323229

Ion Ratio Lower Upper

180 100

182 98.3 75.8 113.6

145 32.0 24.0 36.0



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

