

Data File : VW014053.D
Acq On : 18 Nov 2019 09:33
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Quant Time: Nov 19 07:21:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 18 10:37:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	334274	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	313493	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	184701	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	139432	26.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.56%
7) Chloroethane-d5	2.89	69	115221	26.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.60%
10) 1,1-Dichloroethene-d2	4.03	63	277588	25.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.44%
20) 2-Butanone-d5	7.07	46	77260	49.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.72%
24) Chloroform-d	7.64	84	269066	26.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.72%
26) 1,2-Dichloroethane-d4	8.30	65	133992	25.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.72%
29) Benzene-d6	8.27	84	567867	25.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.12%
33) 1,2-Dichloropropane-d6	9.27	67	167278	25.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.68%
37) Toluene-d8	10.32	98	531440	25.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.76%
38) trans-1,3-Dichloropropene-	10.57	79	70576	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.16%
39) 2-Hexanone-d5	10.92	63	63547	51.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125072	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	180088	24.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	95432	24.006	ug/L	94
3) Chloromethane	2.21	50	81685	23.133	ug/L	99
5) Vinyl chloride	2.36	62	145749	26.435	ug/L	92
6) Bromomethane	2.78	94	87247	25.559	ug/L	99
8) Chloroethane	2.92	64	86713	26.440	ug/L	99
9) Trichlorofluoromethane	3.26	101	102315	27.215	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	143573	25.863	ug/L #	87
12) 1,1-Dichloroethene	4.04	96	144130	25.542	ug/L	95
13) Acetone	4.12	43	64548	40.941	ug/L	96
14) Carbon disulfide	4.38	76	411270	25.607	ug/L	99
15) Methyl Acetate	4.67	43	60198	23.599	ug/L #	77
16) Methylene chloride	4.92	84	141672	22.015	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	171711	23.587	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	147662	25.093	ug/L	97
19) 1,1-Dichloroethane	6.21	63	256169	25.845	ug/L	98
21) 2-Butanone	7.17	43	86158	42.536	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	155365	25.090	ug/L	97

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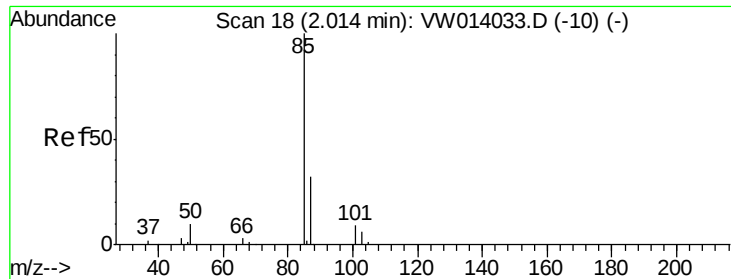
Quant Time: Nov 19 07:21:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 18 10:37:19 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66963	24.635	ug/L	89
25) Chloroform	7.67	83	256368	26.338	ug/L	99
27) 1,2-Dichloroethane	8.40	62	154993	26.301	ug/L	99
30) Cyclohexane	7.95	56	254181	25.336	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	202943	25.831	ug/L	99
32) Carbon tetrachloride	8.06	117	196829	26.099	ug/L	100
34) Benzene	8.32	78	589607	25.641	ug/L	100
35) Trichloroethene	9.09	95	152427	24.850	ug/L	100
36) Methylcyclohexane	9.33	83	275522	25.052	ug/L	99
40) 1,2-Dichloropropane	9.37	63	143291	25.886	ug/L	100
41) Bromodichloromethane	9.64	83	176684	26.402	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	219309	25.106	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	169377	46.344	ug/L	99
44) Toluene	10.38	91	632031	25.210	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	175810	25.451	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	100144	24.622	ug/L	96
47) Tetrachloroethene	10.86	164	137629	25.173	ug/L	98
49) 2-Hexanone	10.96	43	118160	44.844	ug/L	99
50) Dibromochloromethane	11.13	129	123346	25.801	ug/L	100
51) 1,2-Dibromoethane	11.23	107	96508	24.456	ug/L	99
52) Chlorobenzene	11.65	112	394339	25.090	ug/L	95
53) Ethylbenzene	11.73	91	702933	25.551	ug/L	99
54) m,p-Xylene	11.83	106	268784	25.140	ug/L	100
55) o-xylene	12.16	106	252961	25.266	ug/L	100
56) Styrene	12.18	104	438004	25.898	ug/L	99
57) Isopropylbenzene	12.46	105	692484	25.156	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	117044	24.649	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	86221	24.143	ug/L	100
62) Bromoform	12.35	173	74099	24.480	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	313825	24.198	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	309757	24.174	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	274802	23.929	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	17134	21.907	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	236389	23.917	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	180285	23.198	ug/L	99
69) Naphthalene	15.36	128	299817	21.716	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	158615	23.127	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 24.006 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

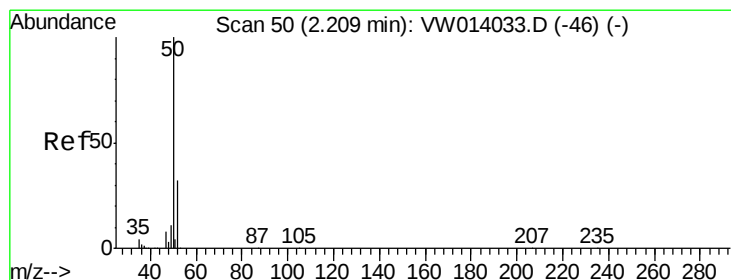
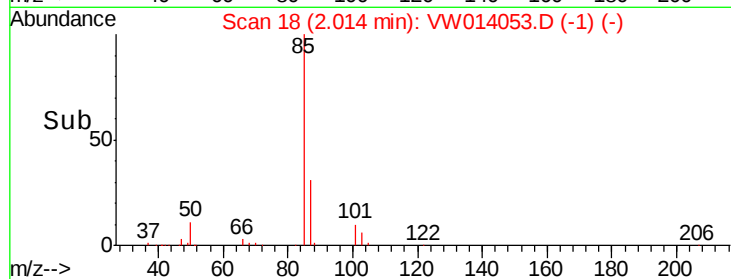
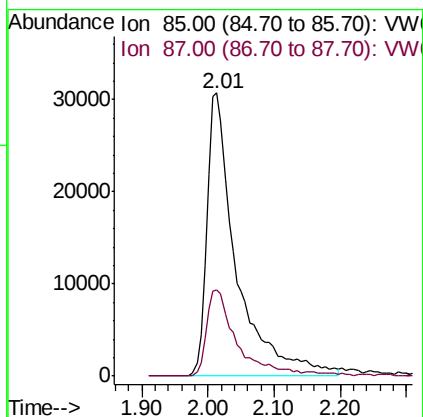
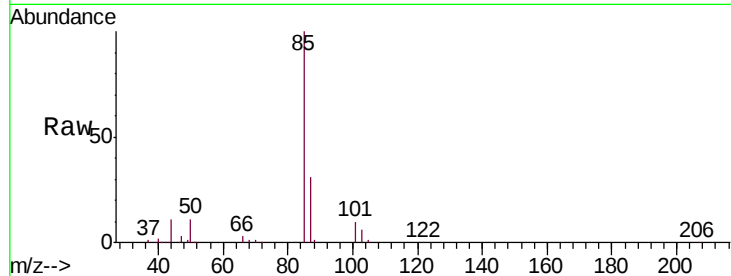
VSTD02511

Tgt Ion: 85 Resp: 95432

Ion Ratio Lower Upper

85 100

87 28.3 22.1 41.1



#3

Chloromethane

Concen: 23.133 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014053.D

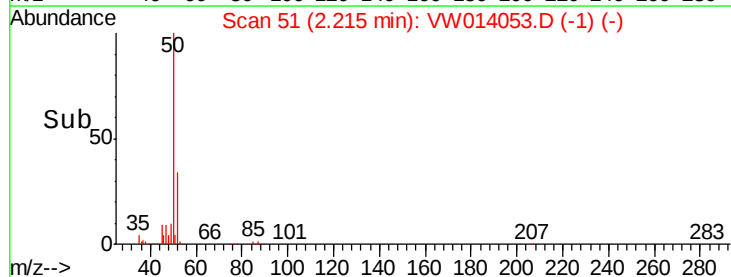
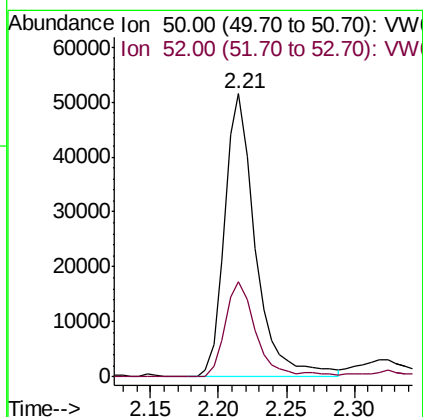
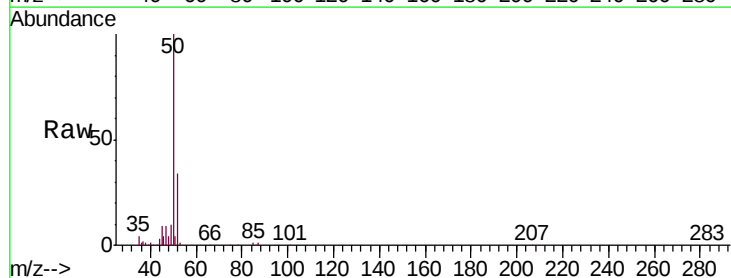
Acq: 18 Nov 2019 09:33

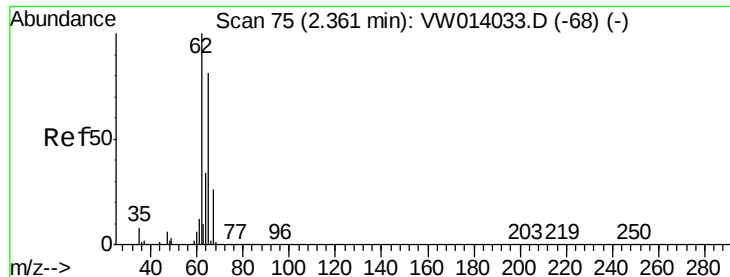
Tgt Ion: 50 Resp: 81685

Ion Ratio Lower Upper

50 100

52 33.6 23.8 44.2





#5

Vinyl chloride

Concen: 26.435 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

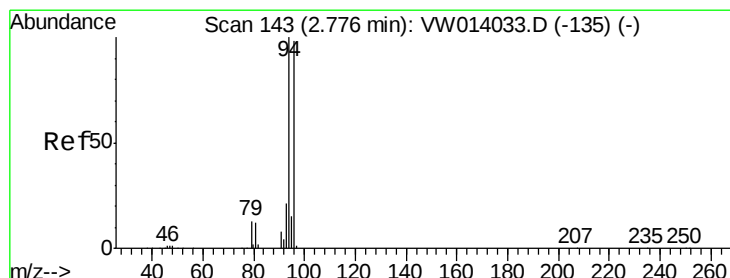
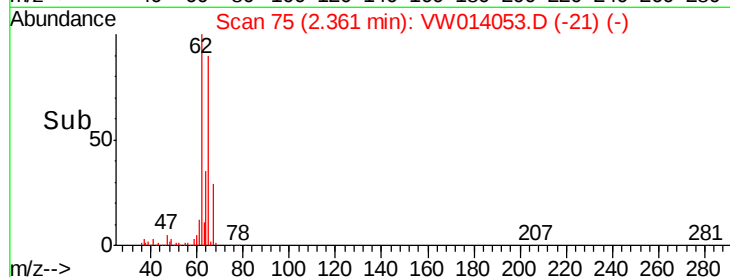
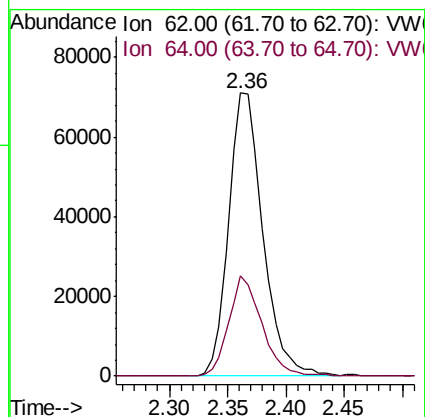
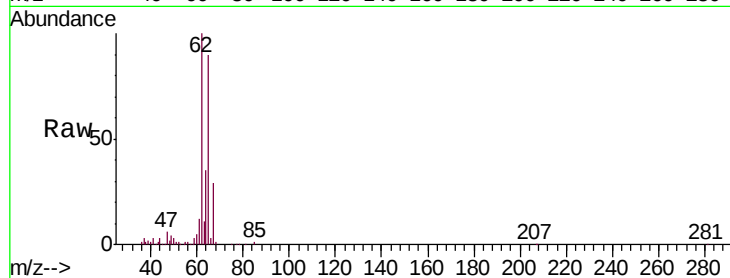
VSTD02511

Tgt Ion: 62 Resp: 145749

Ion Ratio Lower Upper

62 100

64 35.4 21.8 40.4



#6

Bromomethane

Concen: 25.559 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW014053.D

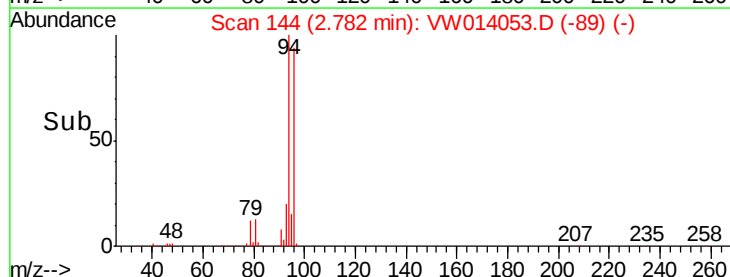
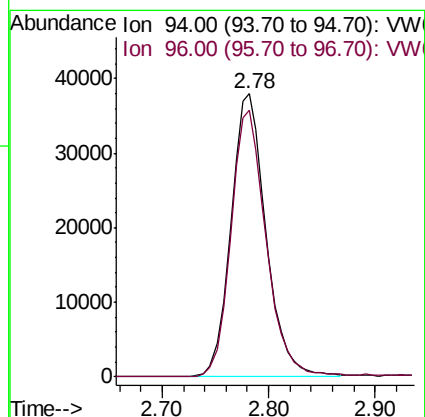
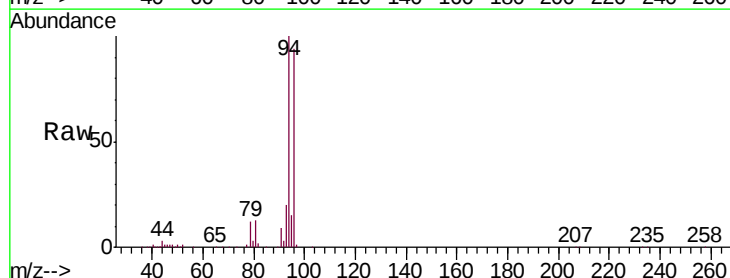
Acq: 18 Nov 2019 09:33

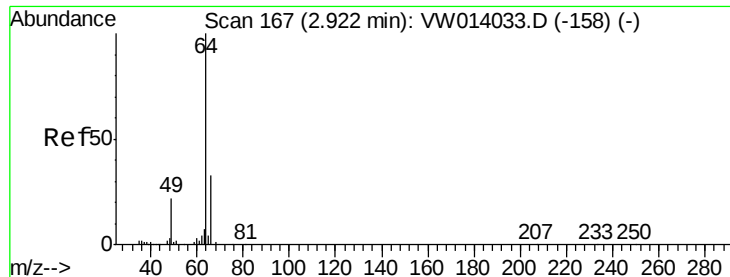
Tgt Ion: 94 Resp: 87247

Ion Ratio Lower Upper

94 100

96 94.8 9.4 178.8





#8

Chloroethane

Concen: 26.440 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

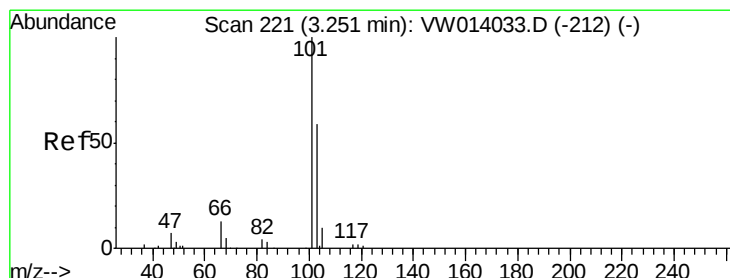
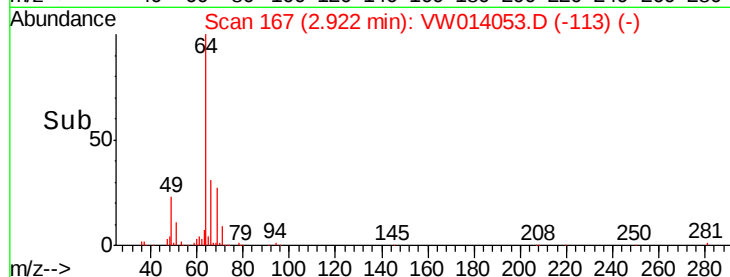
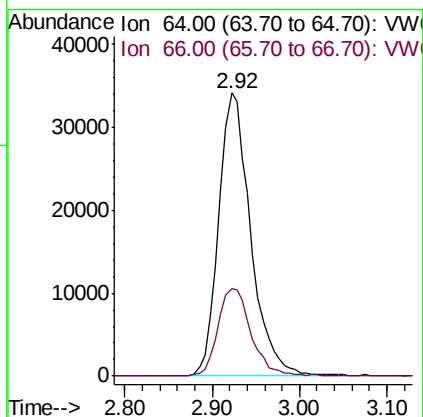
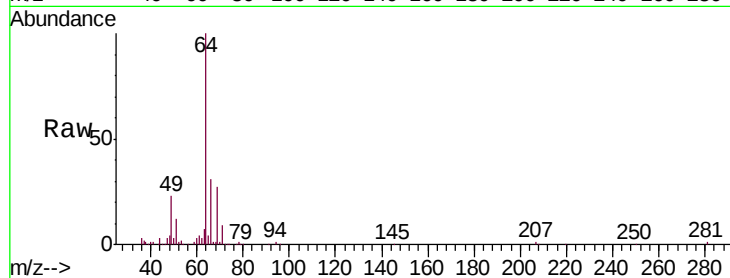
VSTD02511

Tgt Ion: 64 Resp: 86713

Ion Ratio Lower Upper

64 100

66 30.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 27.215 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW014053.D

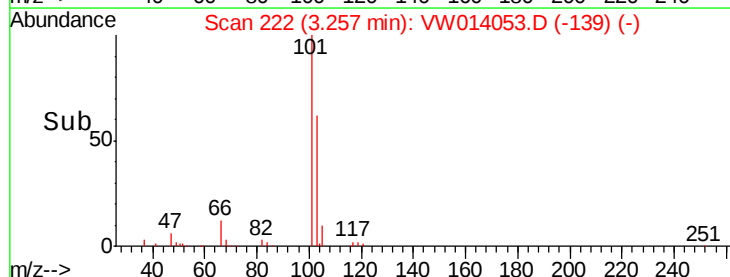
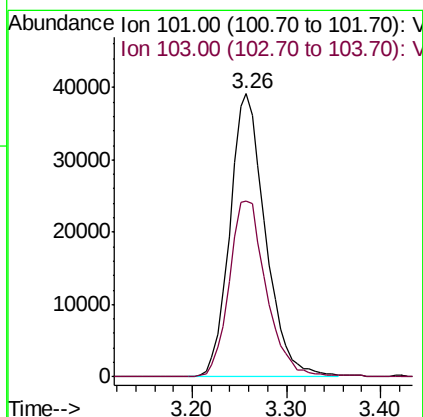
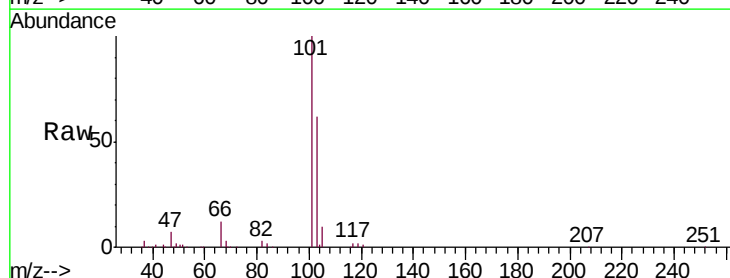
Acq: 18 Nov 2019 09:33

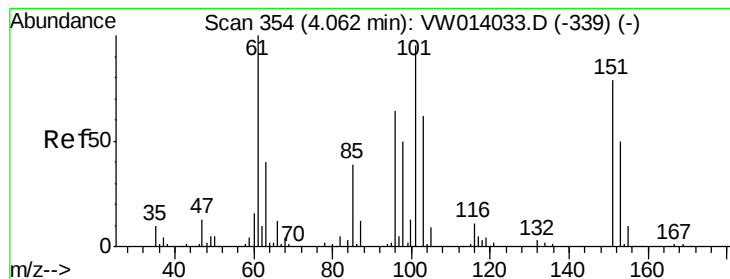
Tgt Ion: 101 Resp: 102315

Ion Ratio Lower Upper

101 100

103 64.3 45.4 84.2





#11

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

Concen: 25.863 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

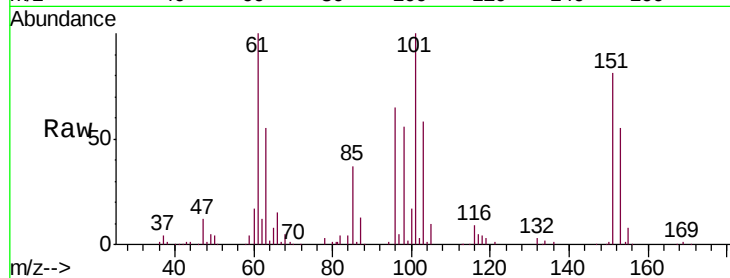
Tgt Ion: 101 Resp: 143573

Ion Ratio Lower Upper

101 100

85 17.6 31.4 47.2#

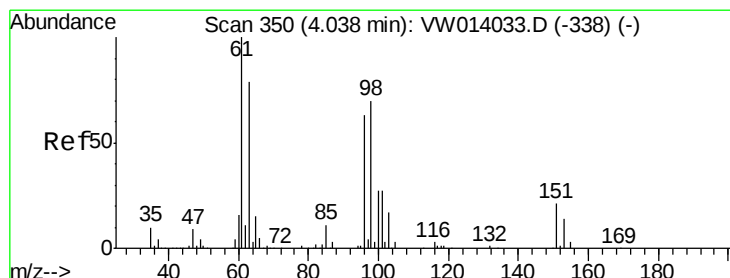
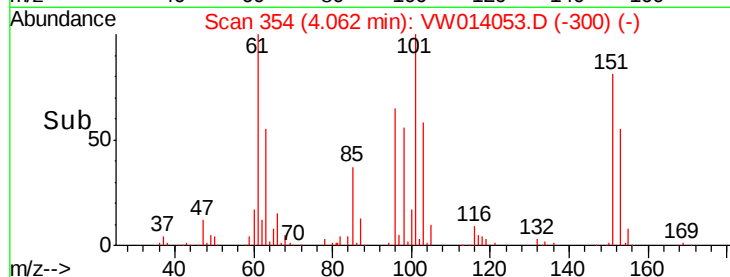
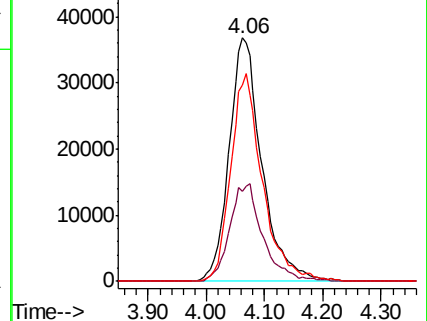
151 81.1 66.9 100.3



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: 25.542 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

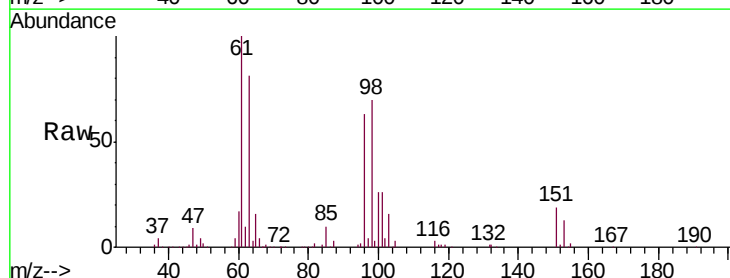
Tgt Ion: 96 Resp: 144130

Ion Ratio Lower Upper

96 100

61 158.2 109.8 204.0

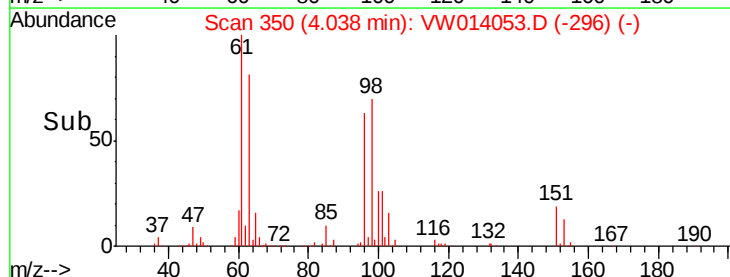
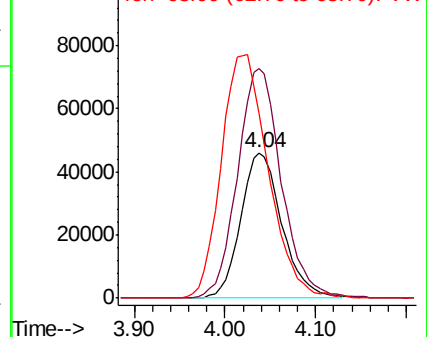
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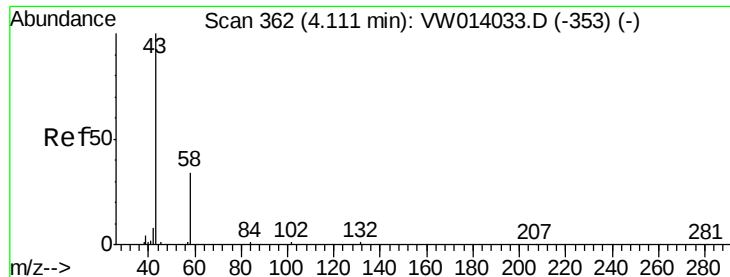


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.941 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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ClientSampleId :

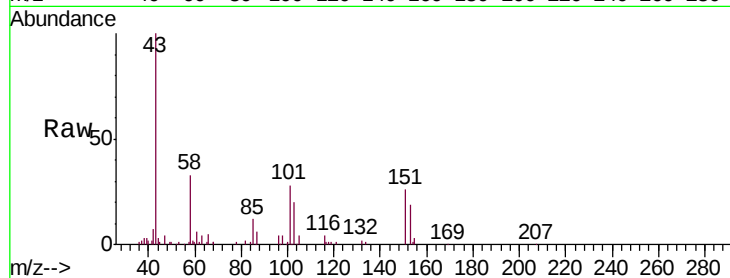
VSTD02511

Tgt Ion: 43 Resp: 64548

Ion Ratio Lower Upper

43 100

58 30.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

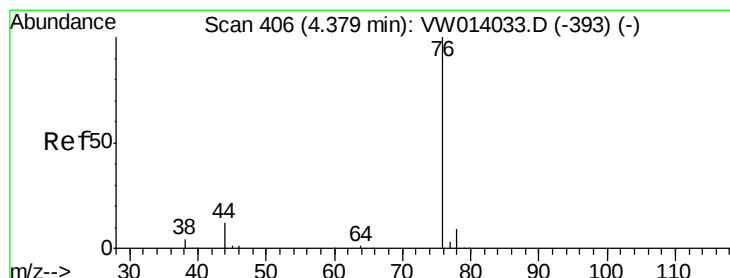
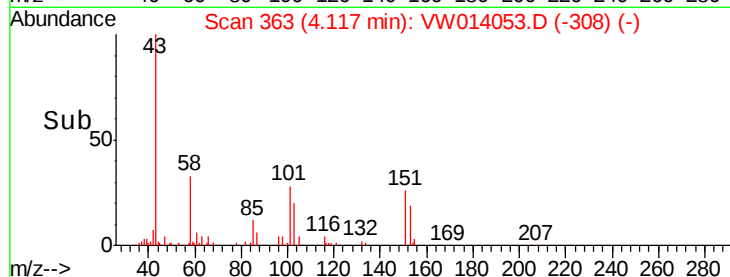
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5000

0

4.00 4.10 4.20 4.30

Time-->



#14

Carbon disulfide

Concen: 25.607 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014053.D

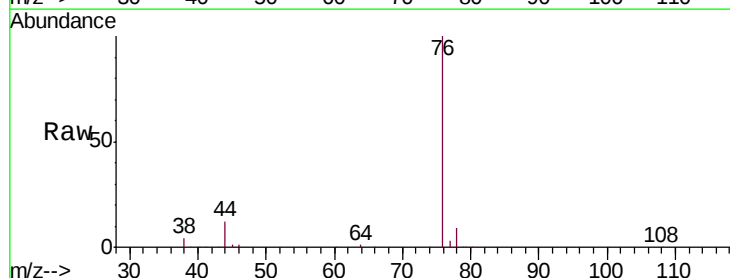
Acq: 18 Nov 2019 09:33

Tgt Ion: 76 Resp: 411270

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

150000

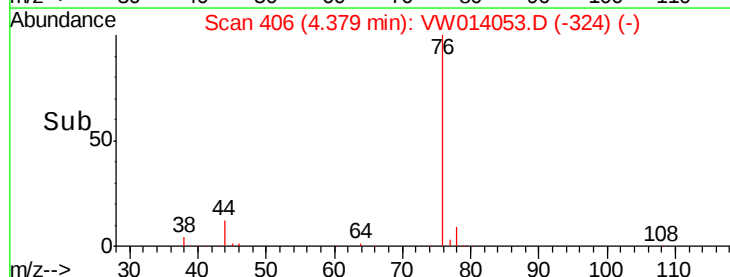
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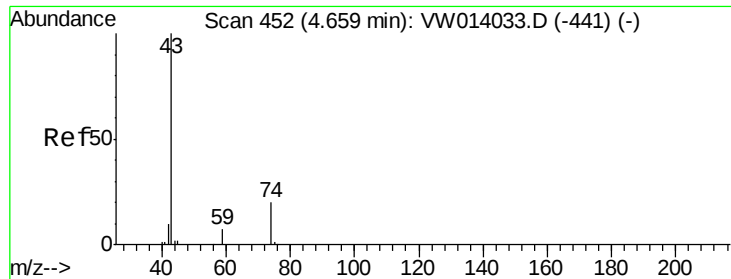
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4.20 4.30 4.40 4.50 4.60

Time-->

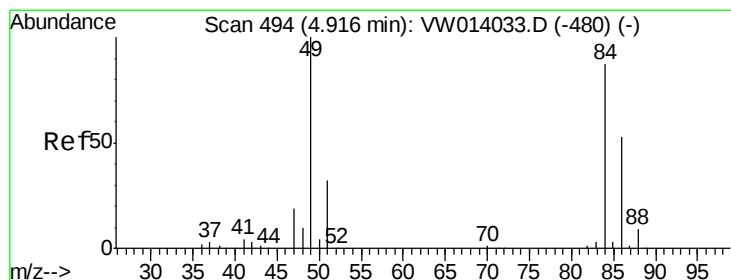
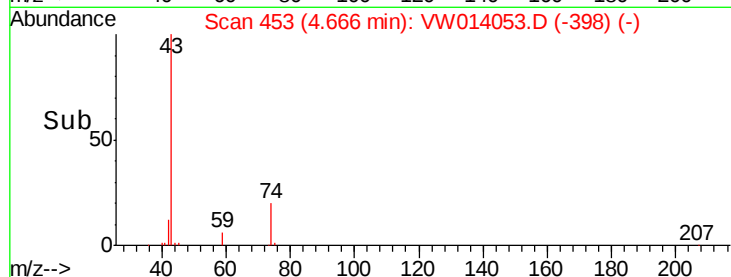
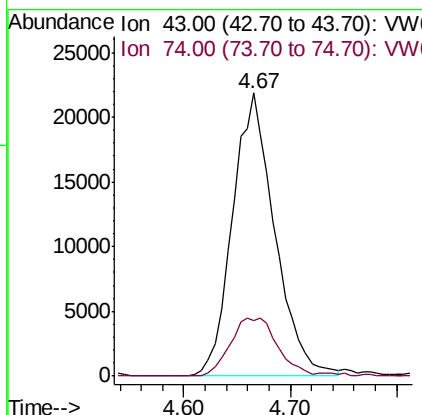
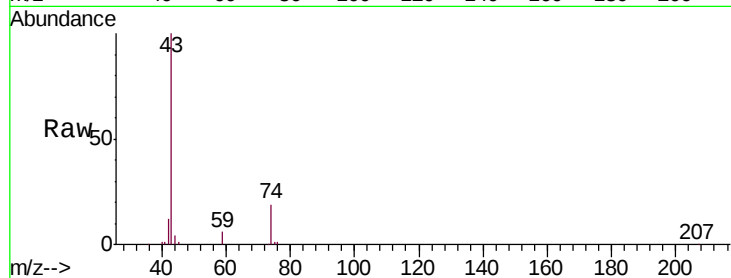




#15
Methyl Acetate
Concen: 23.599 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

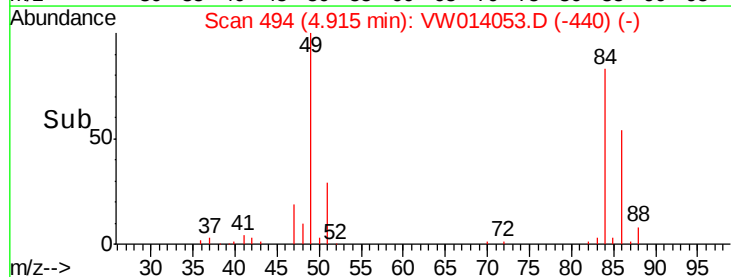
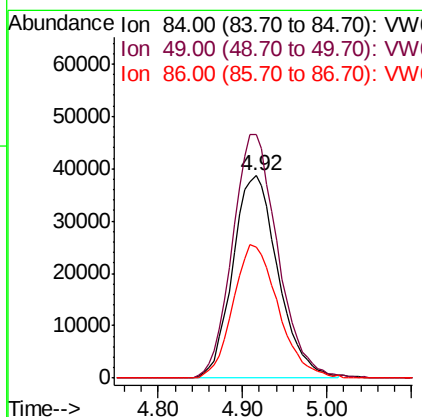
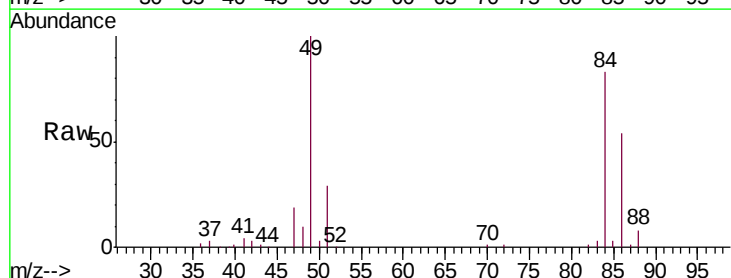
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

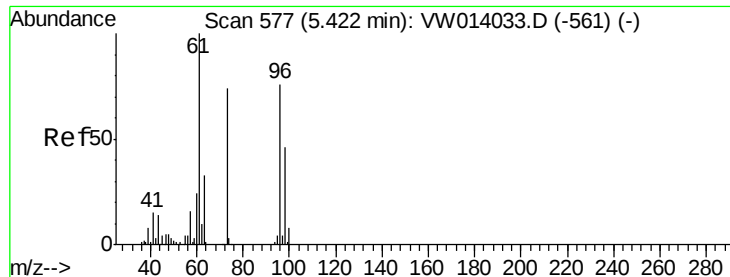
Tgt Ion: 43 Resp: 60198
Ion Ratio Lower Upper
43 100
74 12.6 19.3 28.9#



#16
Methylene chloride
Concen: 22.015 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Tgt Ion: 84 Resp: 141672
Ion Ratio Lower Upper
84 100
49 120.1 84.2 156.4
86 64.5 43.7 81.1

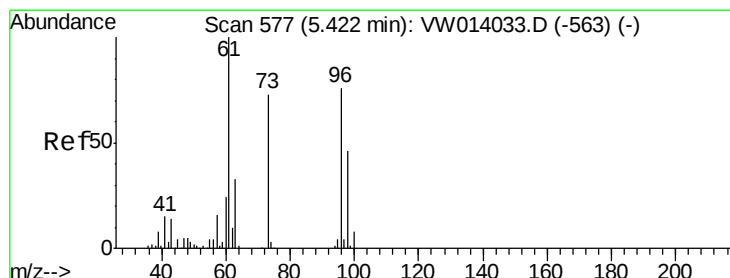
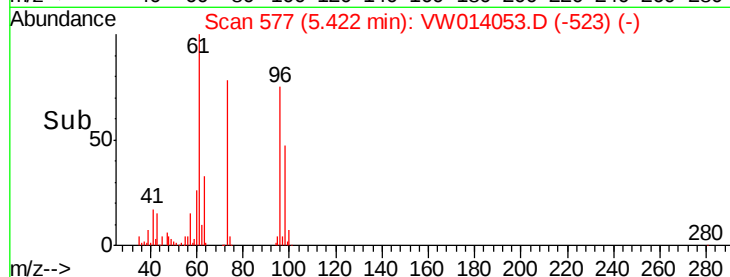
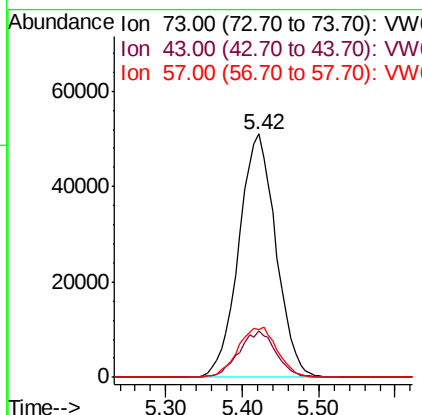
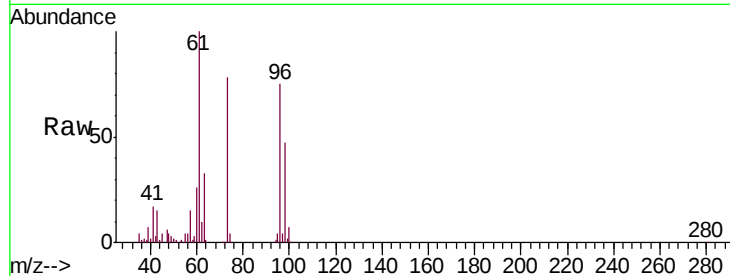




#17
Methyl tert-butyl Ether
Concen: 23.587 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

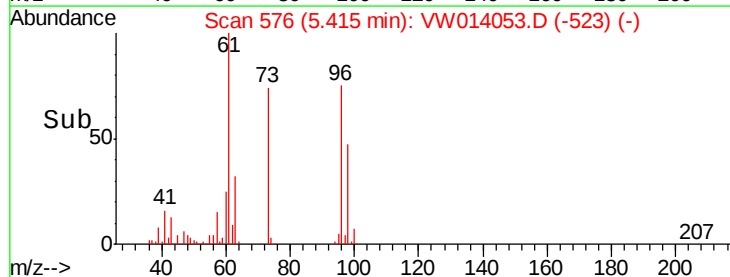
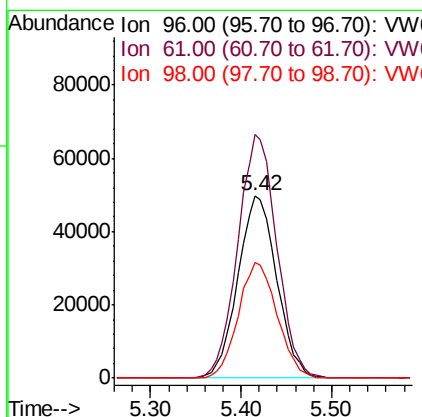
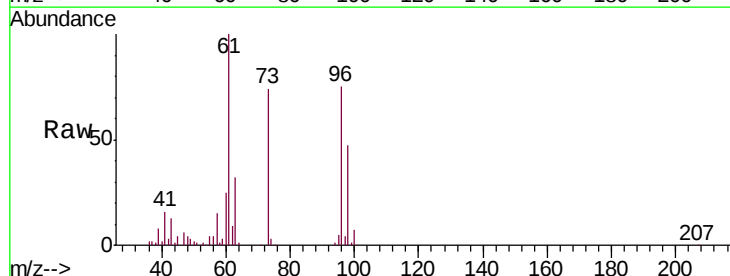
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

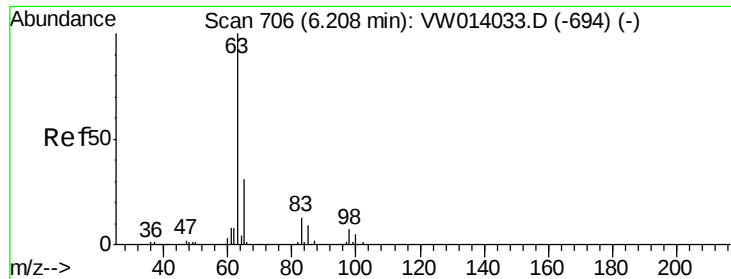
Tgt Ion: 73 Resp: 171711
Ion Ratio Lower Upper
73 100
43 19.2 15.5 23.3
57 21.8 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.093 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Tgt Ion: 96 Resp: 147662
Ion Ratio Lower Upper
96 100
61 133.6 90.6 168.2
98 63.3 42.9 79.7

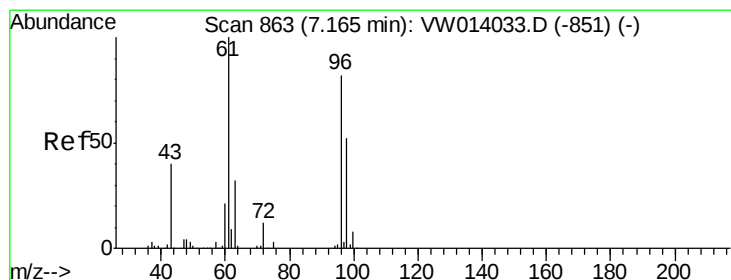
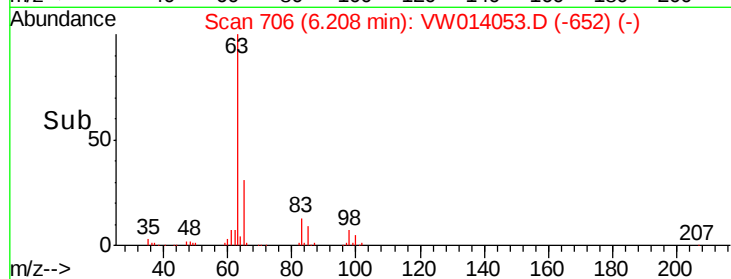
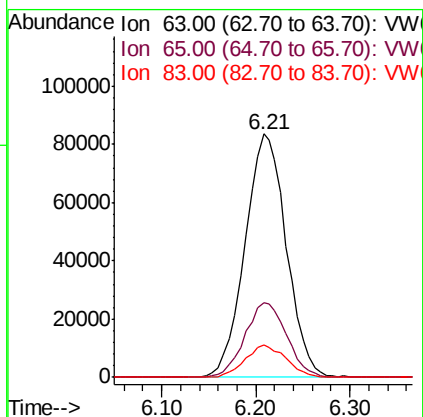
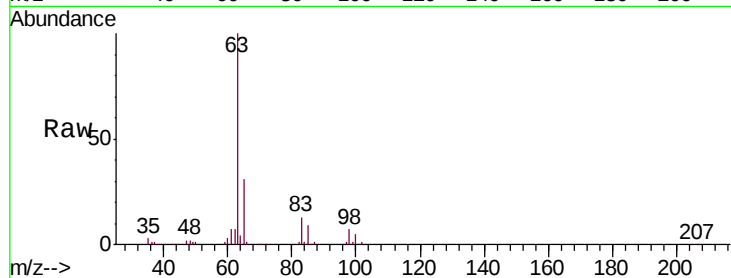




#19
 1,1-Dichloroethane
 Concen: 25.845 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

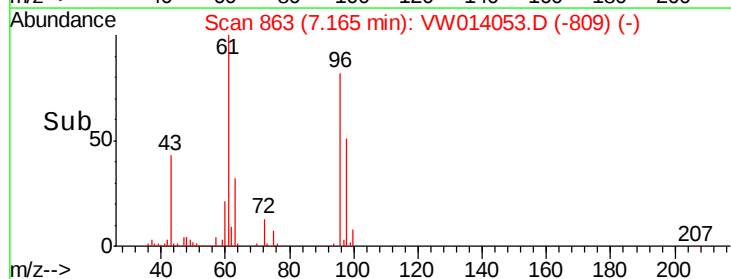
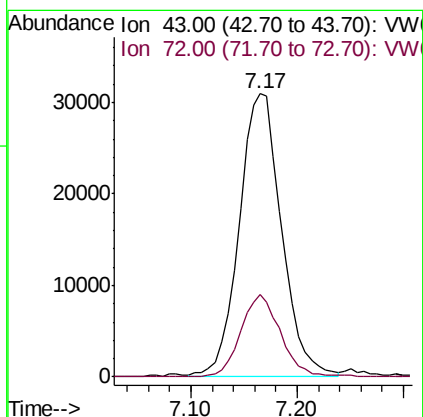
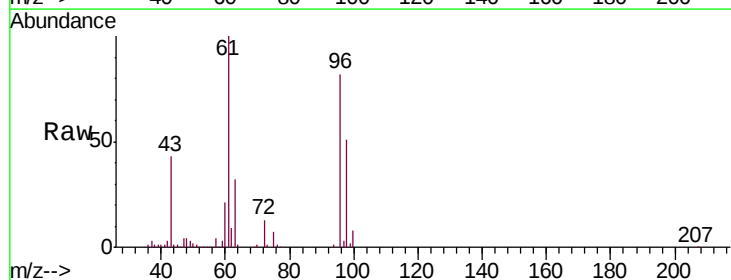
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

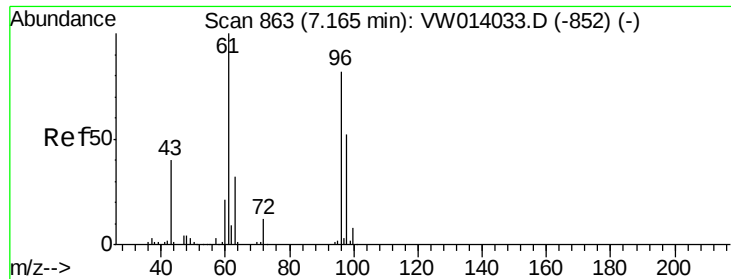
Tgt Ion: 63 Resp: 256169
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.1 41.1
 83 13.5 9.0 16.6



#21
 2-Butanone
 Concen: 42.536 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Tgt Ion: 43 Resp: 86158
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.1 42.2

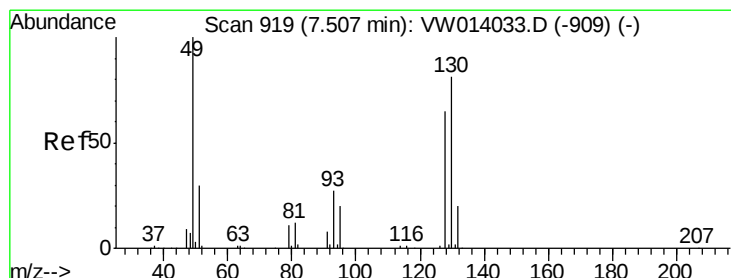
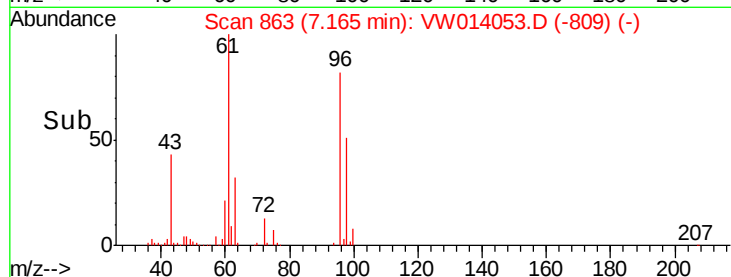
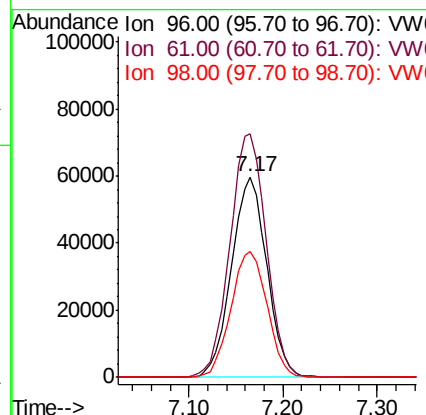
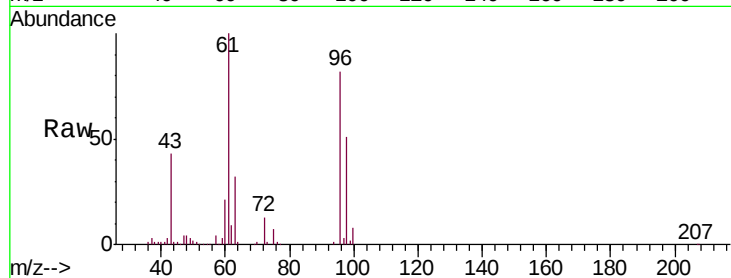




#22
 cis-1,2-Dichloroethene
 Concen: 25.090 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

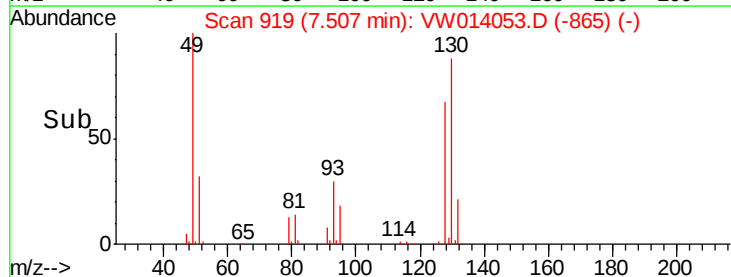
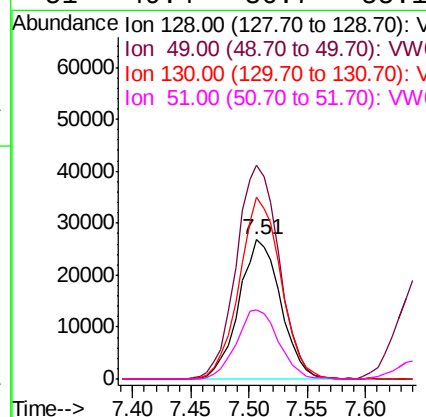
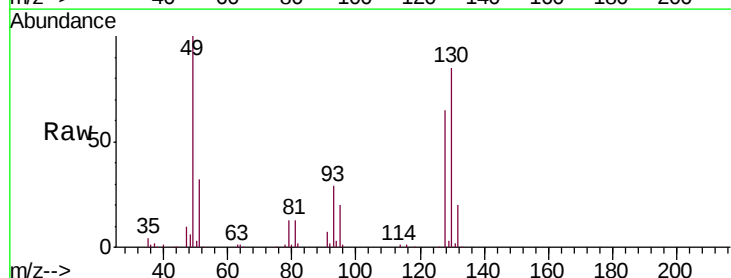
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

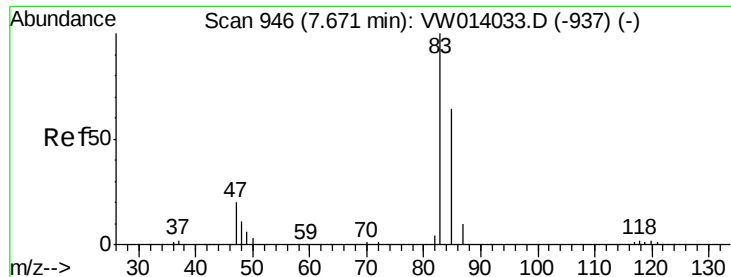
Tgt Ion: 96 Resp: 155365
 Ion Ratio Lower Upper
 96 100
 61 121.6 86.9 161.5
 98 62.6 45.5 84.5



#23
 Bromochloromethane
 Concen: 24.635 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Tgt Ion: 128 Resp: 66963
 Ion Ratio Lower Upper
 128 100
 49 153.8 95.1 176.5
 130 130.5 85.0 158.0
 51 49.4 36.7 55.1

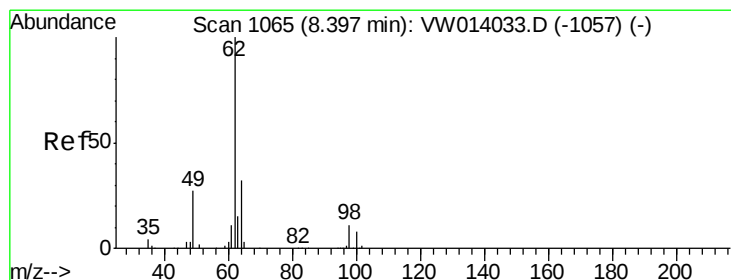
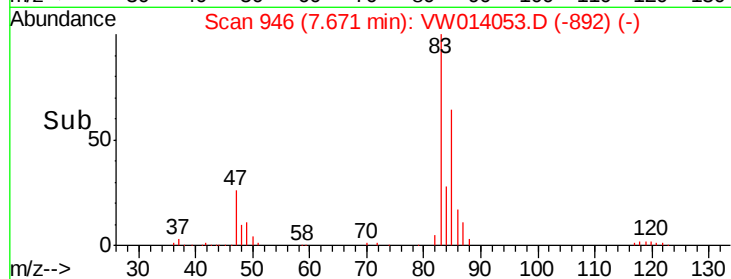
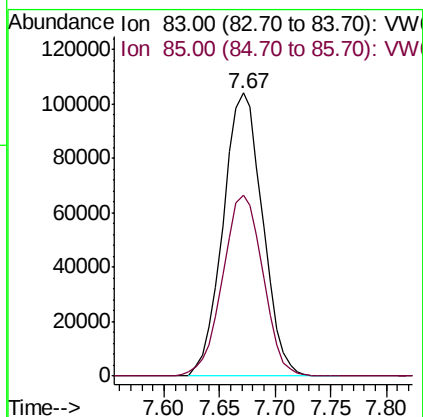
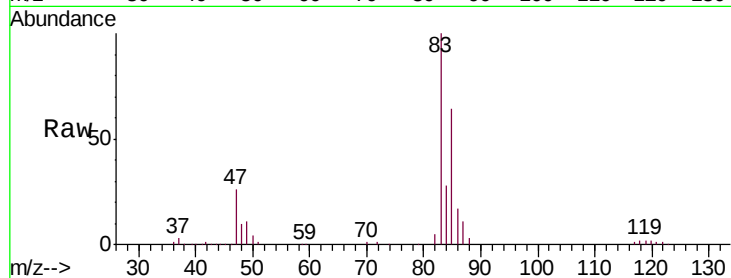




#25
Chloroform
Concen: 26.338 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

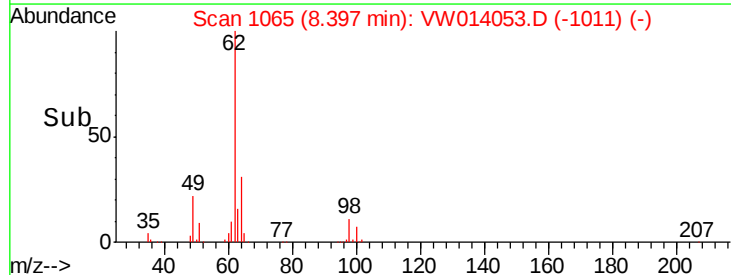
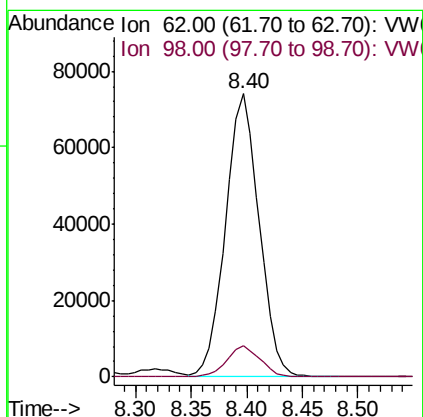
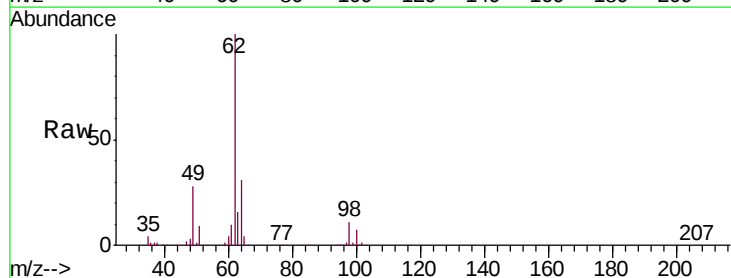
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

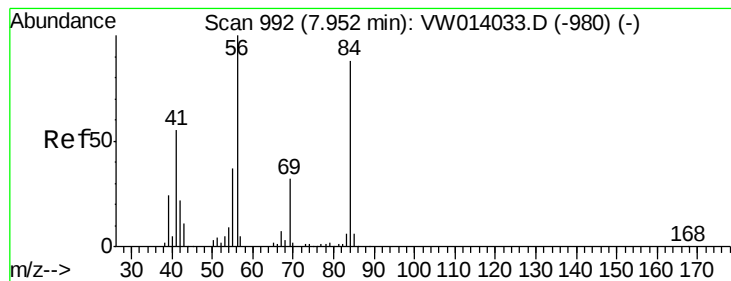
Tgt Ion: 83 Resp: 256368
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 26.301 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Tgt Ion: 62 Resp: 154993
Ion Ratio Lower Upper
62 100
98 11.0 9.3 13.9





#30

Cyclohexane

Concen: 25.336 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

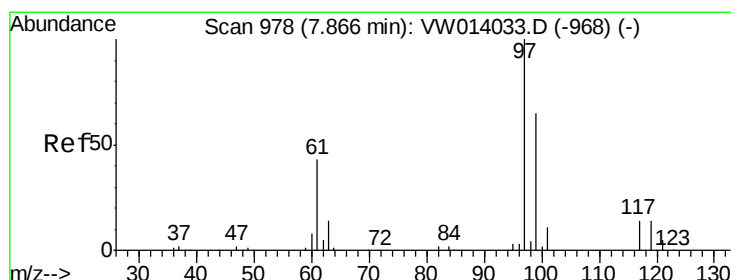
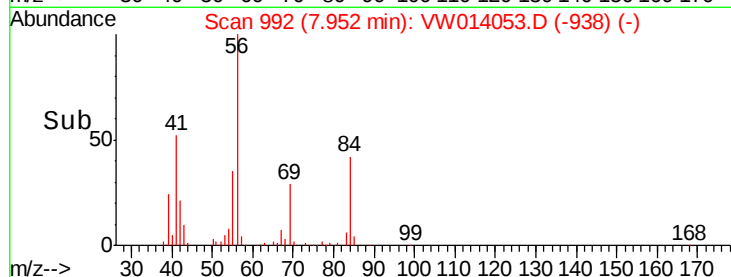
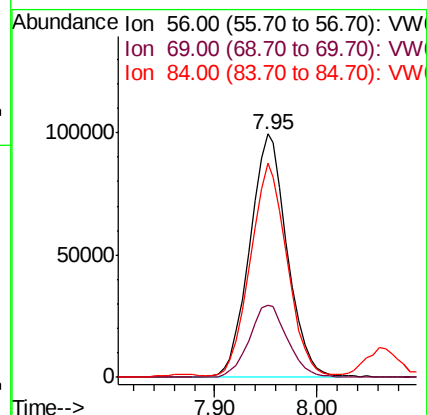
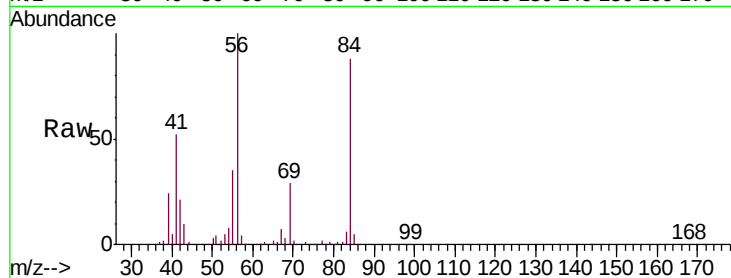
Tgt Ion: 56 Resp: 254181

Ion Ratio Lower Upper

56 100

69 30.2 24.6 37.0

84 87.3 70.2 105.2



#31

1,1,1-Trichloroethane

Concen: 25.831 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

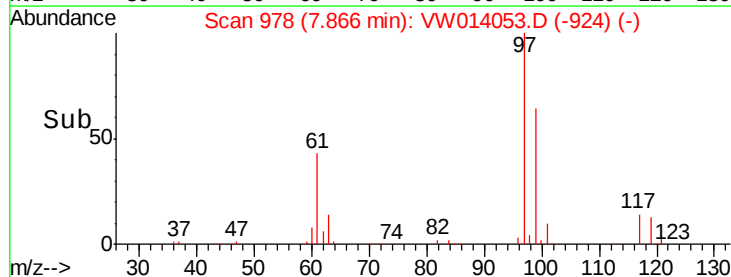
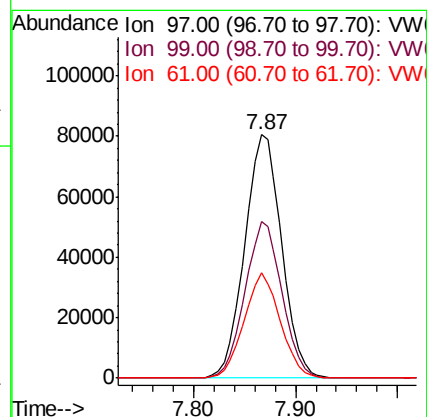
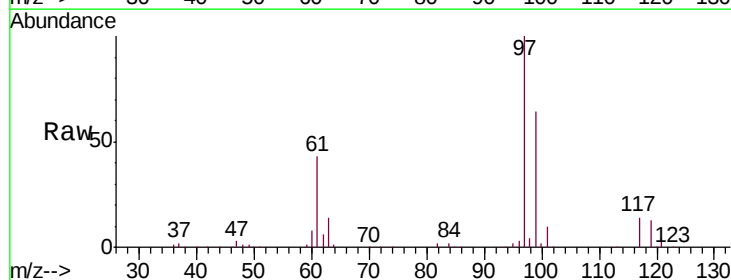
Tgt Ion: 97 Resp: 202943

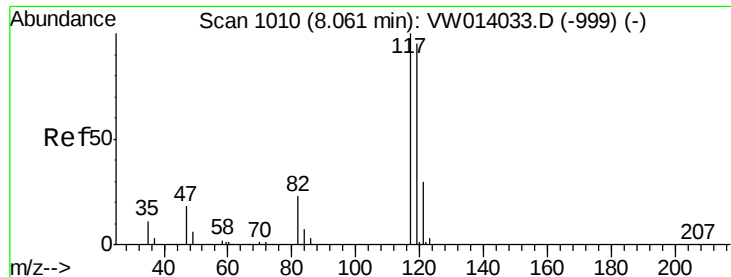
Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

61 42.3 32.8 49.2





#32

Carbon tetrachloride

Concen: 26.099 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

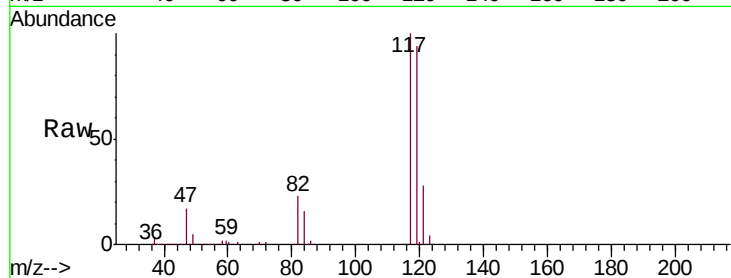
VSTD02511

Tgt Ion:117 Resp: 196829

Ion Ratio Lower Upper

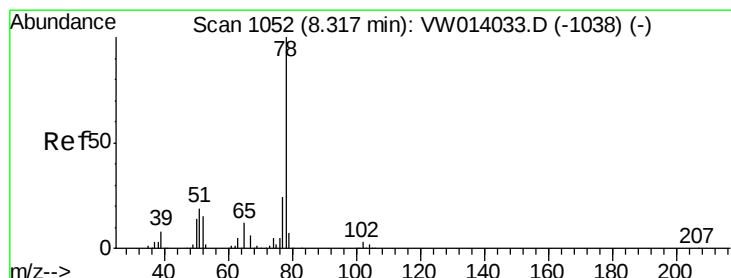
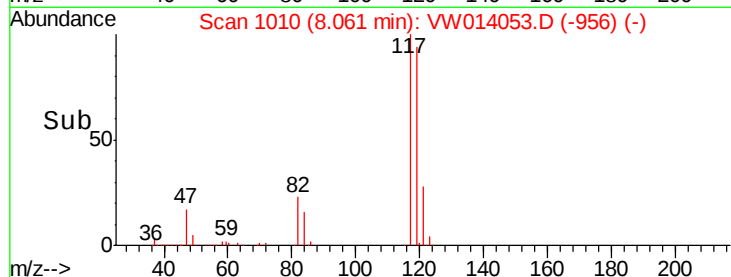
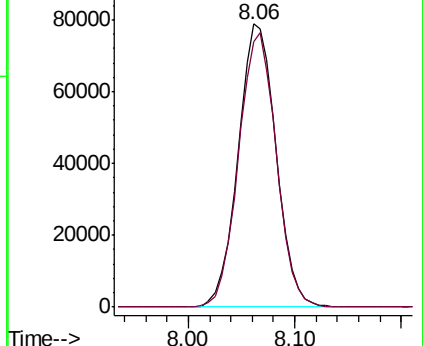
117 100

119 96.3 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: 25.641 ug/L

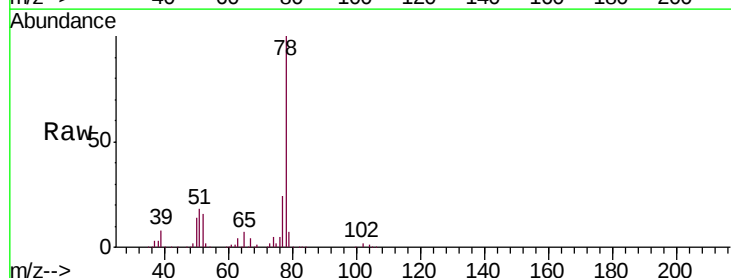
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

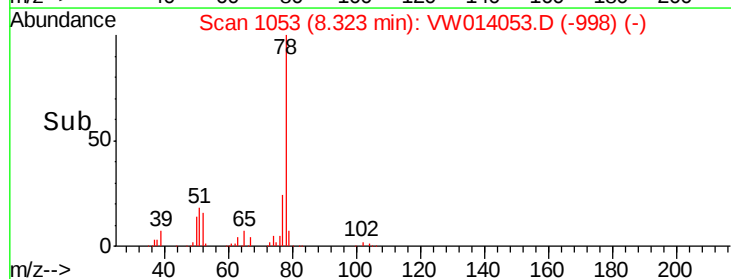
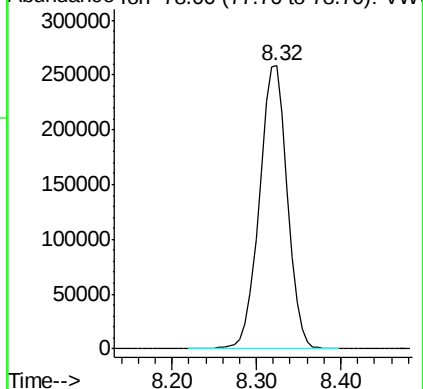
Lab File: VW014053.D

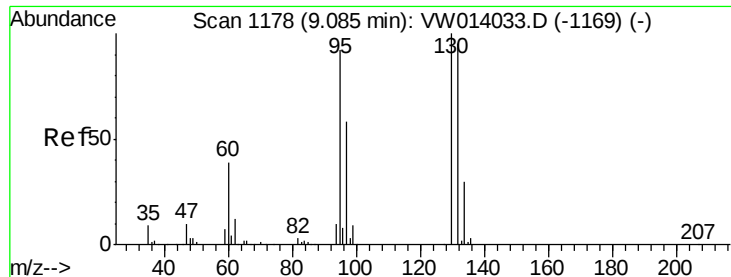
Acq: 18 Nov 2019 09:33

Tgt Ion: 78 Resp: 589607



Abundance Ion 78.00 (77.70 to 78.70): VW

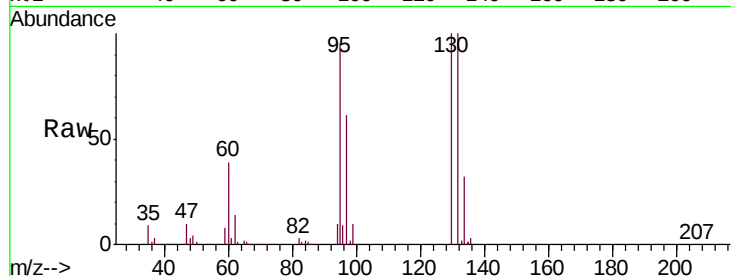




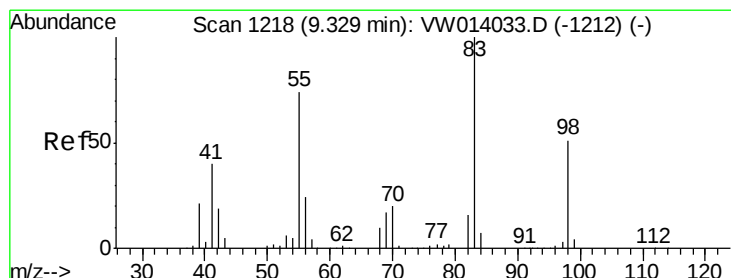
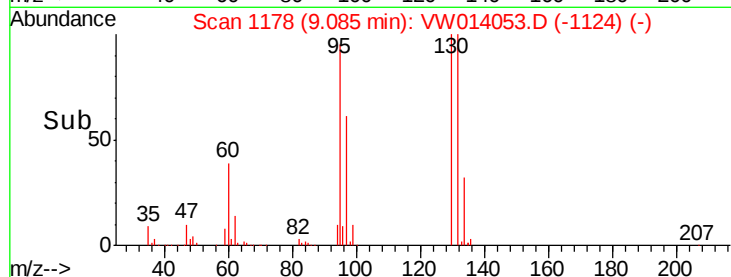
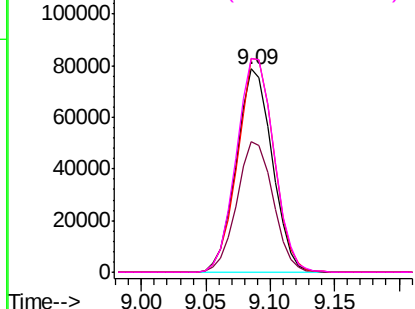
#35
 Trichloroethene
 Concen: 24.850 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion: 95 Resp: 152427
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.1 83.9
 132 105.7 73.7 136.9
 130 109.6 76.6 142.2

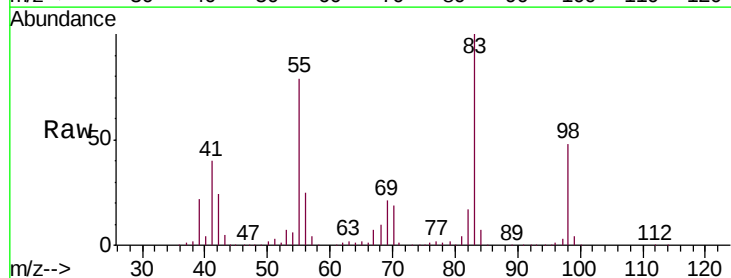


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

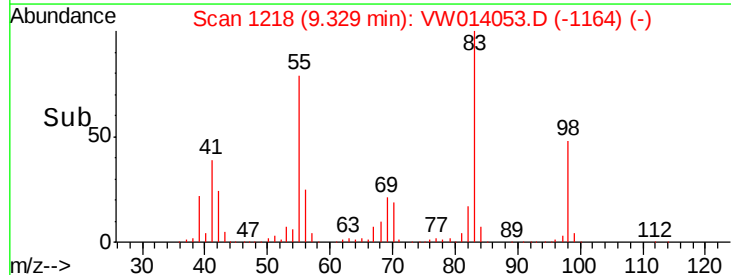
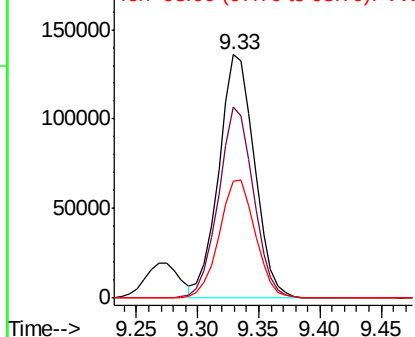


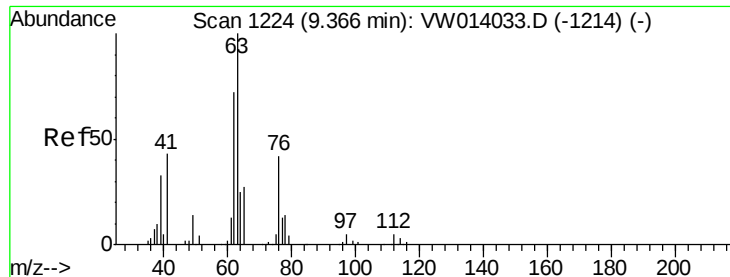
#36
 Methylcyclohexane
 Concen: 25.052 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Tgt Ion: 83 Resp: 275522
 Ion Ratio Lower Upper
 83 100
 55 76.5 59.8 89.8
 98 49.2 39.5 59.3



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

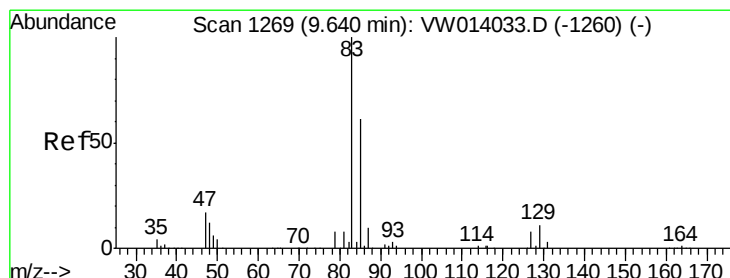
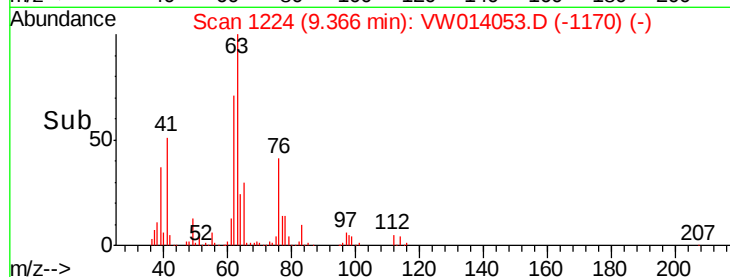
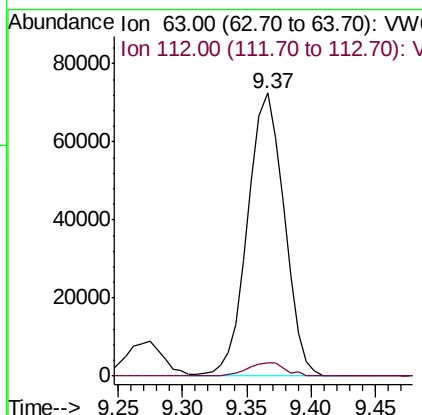
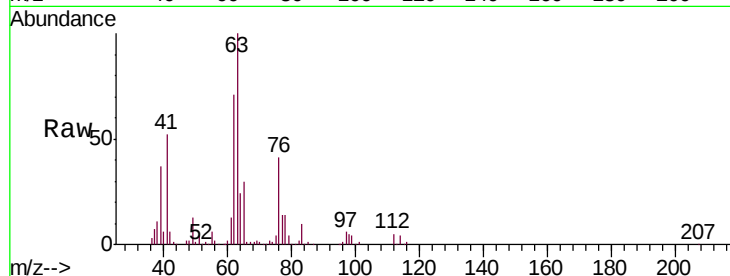




#40
1,2-Dichloropropane
Concen: 25.886 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

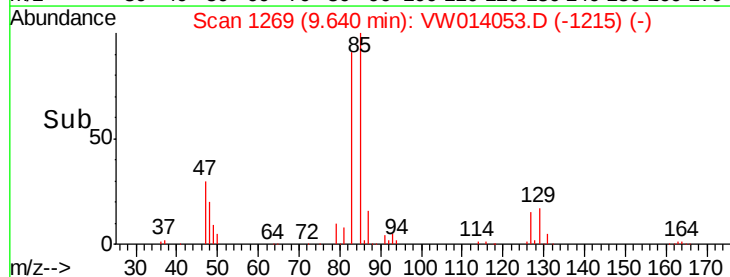
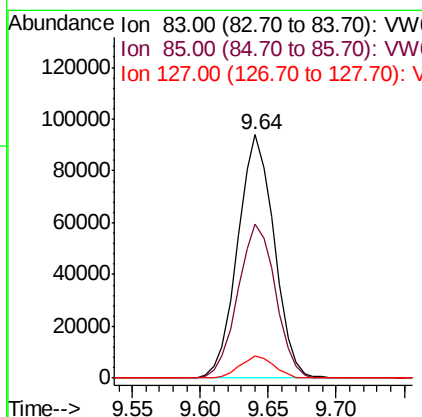
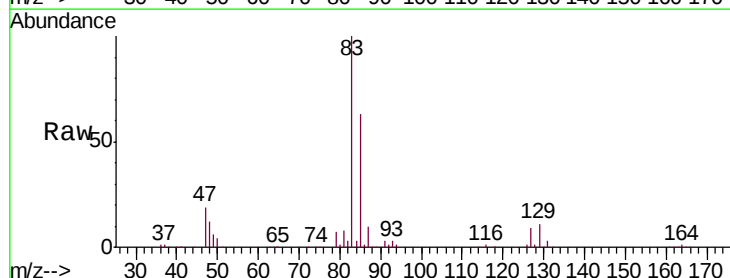
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

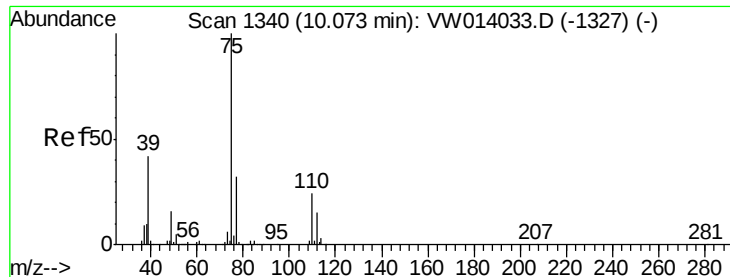
Tgt Ion: 63 Resp: 143291
Ion Ratio Lower Upper
63 100
112 4.9 3.9 5.9



#41
Bromodichloromethane
Concen: 26.402 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Tgt Ion: 83 Resp: 176684
Ion Ratio Lower Upper
83 100
85 63.5 45.1 83.7
127 9.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 25.106 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

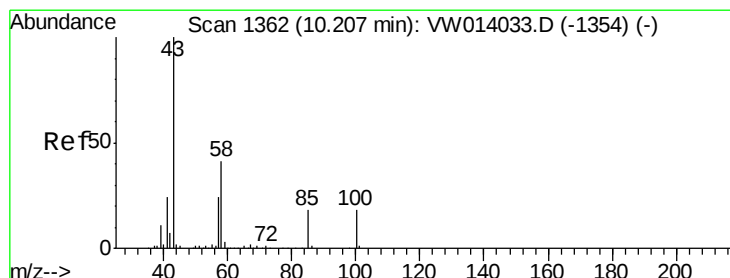
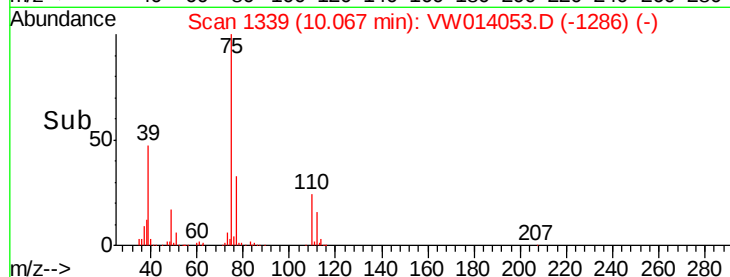
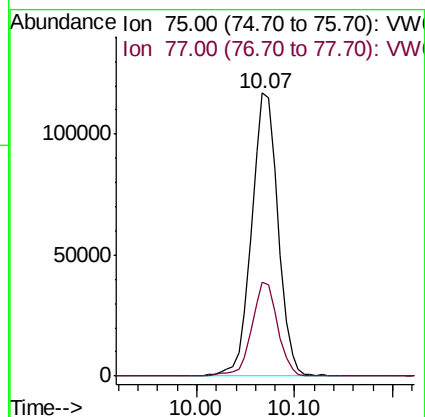
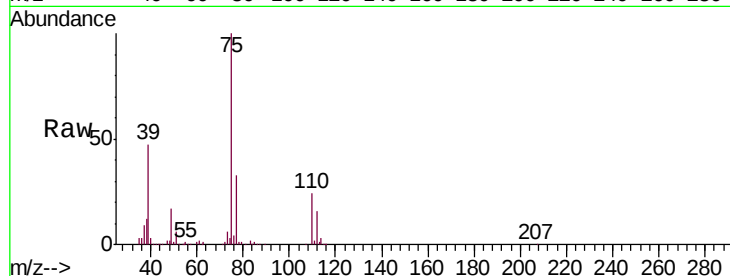
VSTD02511

Tgt Ion: 75 Resp: 219309

Ion Ratio Lower Upper

75 100

77 33.2 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 46.344 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

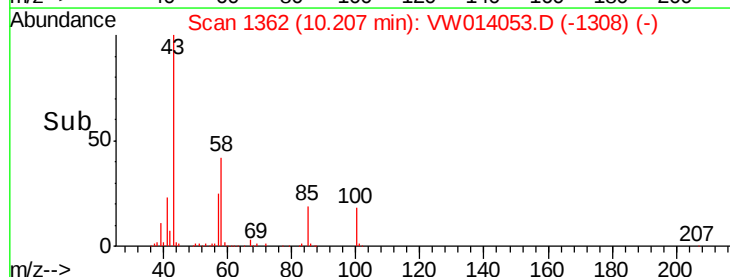
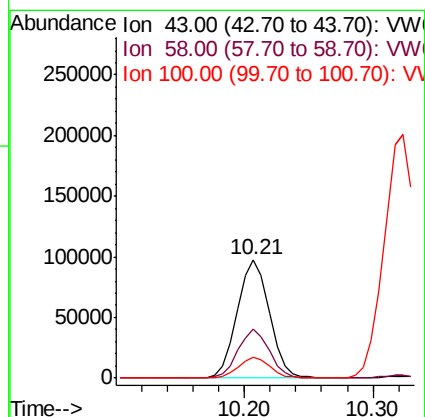
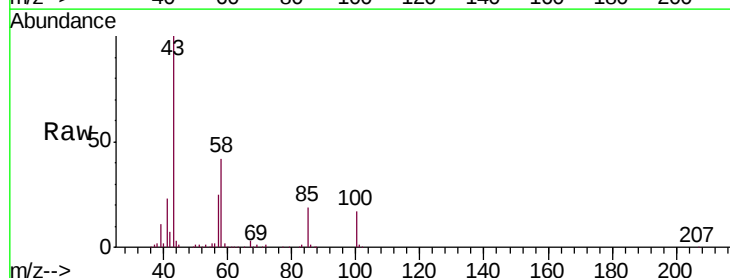
Tgt Ion: 43 Resp: 169377

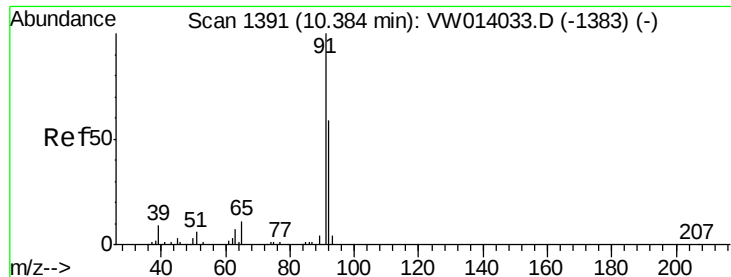
Ion Ratio Lower Upper

43 100

58 40.2 32.6 49.0

100 17.1 13.8 20.8





#44

Toluene

Concen: 25.210 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

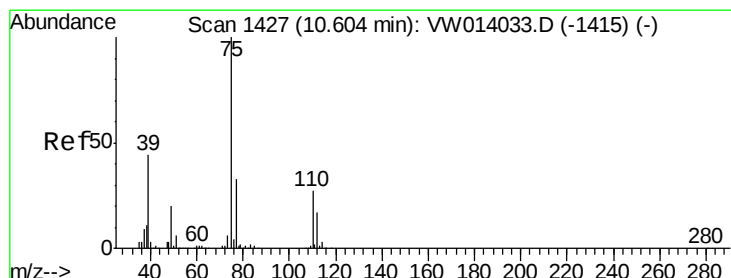
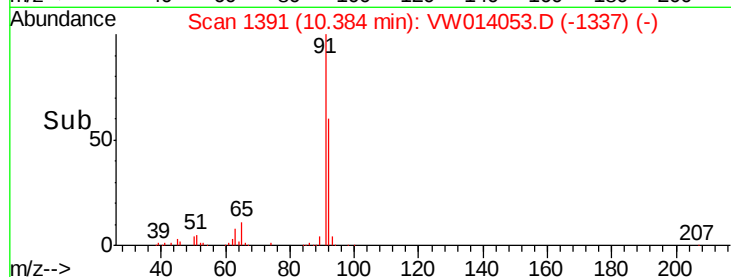
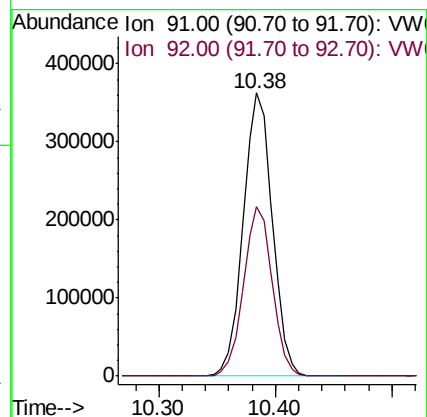
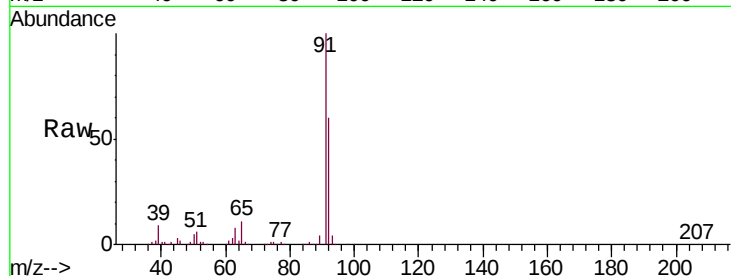
VSTD02511

Tgt Ion: 91 Resp: 632031

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.451 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014053.D

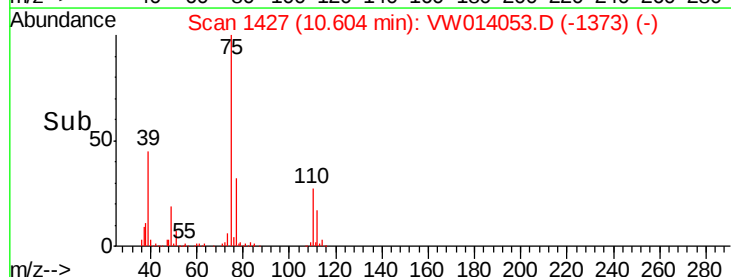
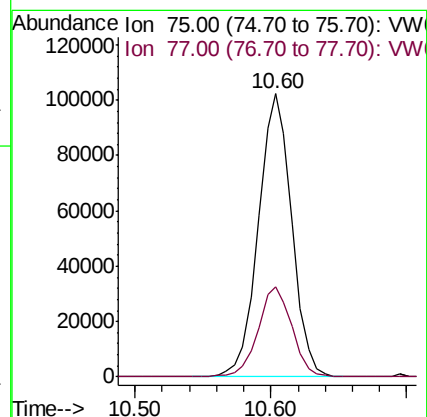
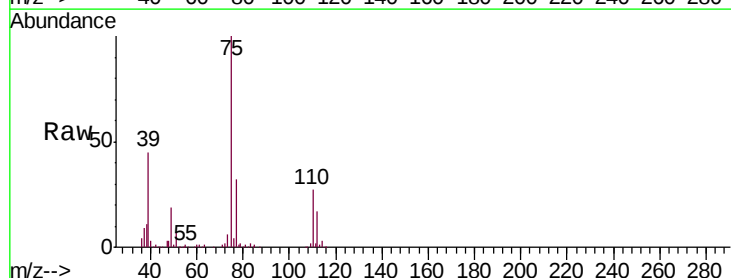
Acq: 18 Nov 2019 09:33

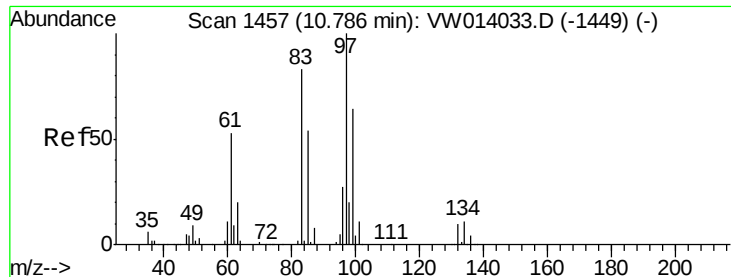
Tgt Ion: 75 Resp: 175810

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.622 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tgt Ion: 97 Resp: 100144

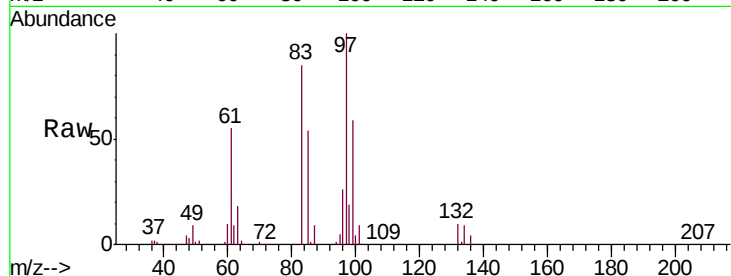
Ion Ratio Lower Upper

97 100

83 85.3 58.9 109.5

85 53.9 38.1 70.9

99 59.5 46.5 86.3

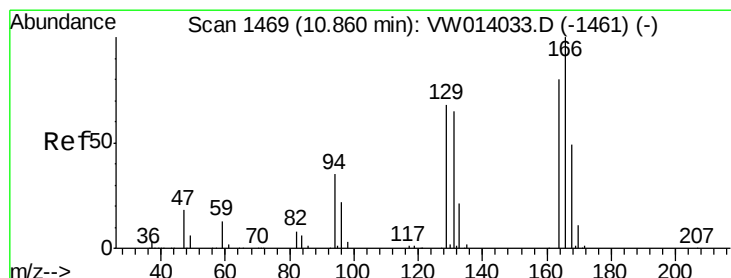
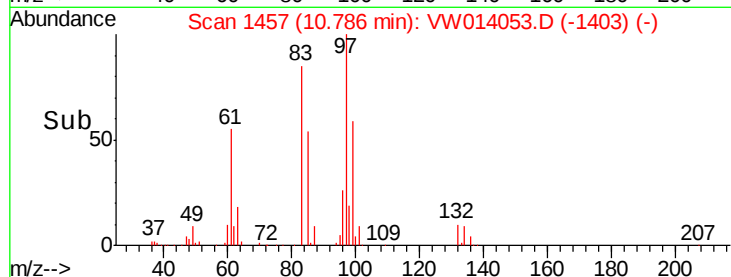
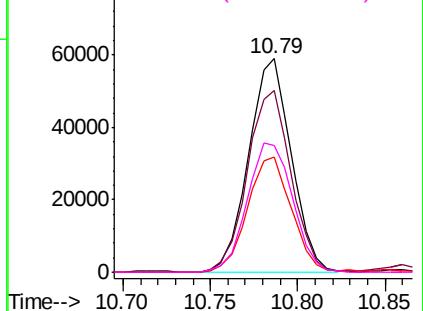


Abundance Ion 97.00 (96.70 to 97.70): VW

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



#47

Tetrachloroethene

Concen: 25.173 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Tgt Ion: 164 Resp: 137629

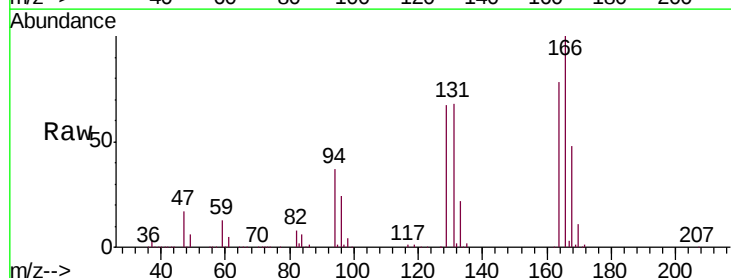
Ion Ratio Lower Upper

164 100

129 85.9 60.6 112.6

131 88.0 59.1 109.7

166 128.6 90.8 168.6

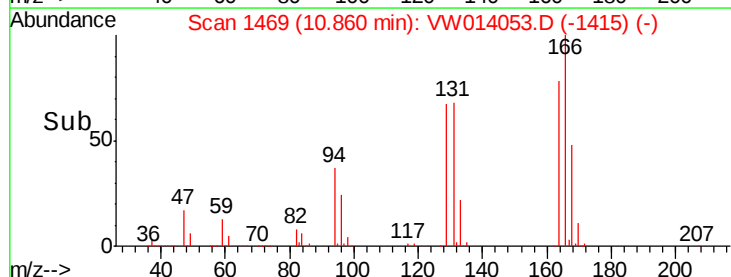
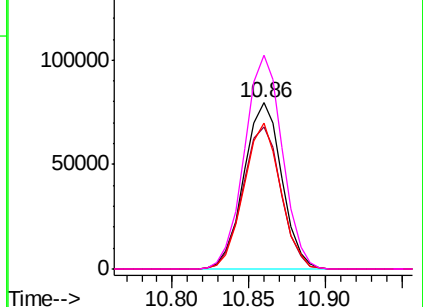


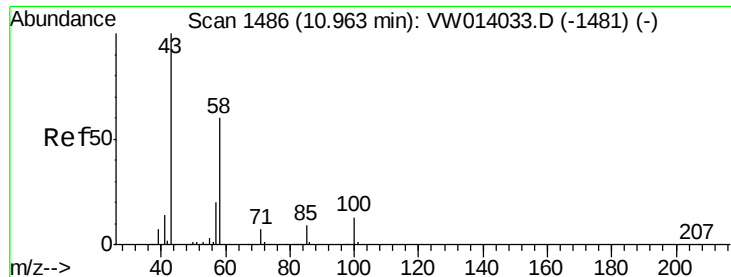
Abundance Ion 164.00 (163.70 to 164.70): V

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

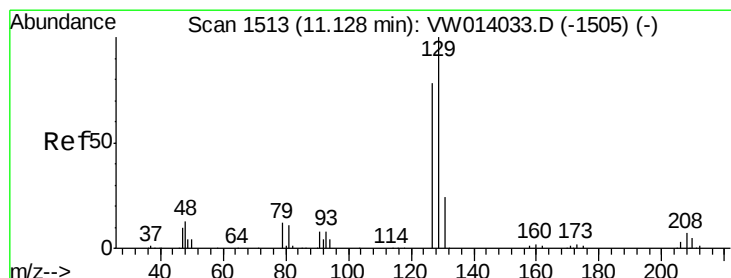
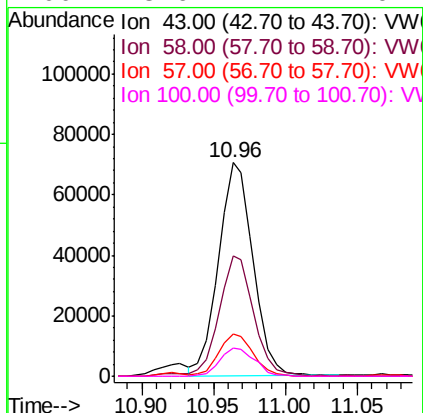
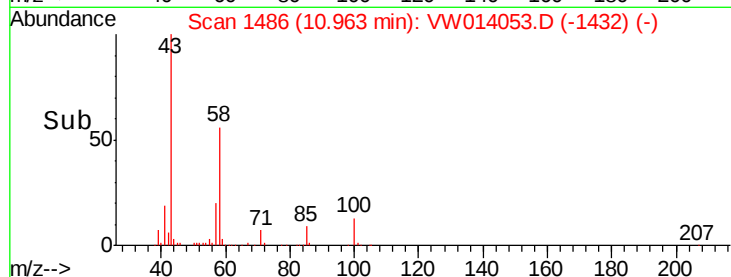
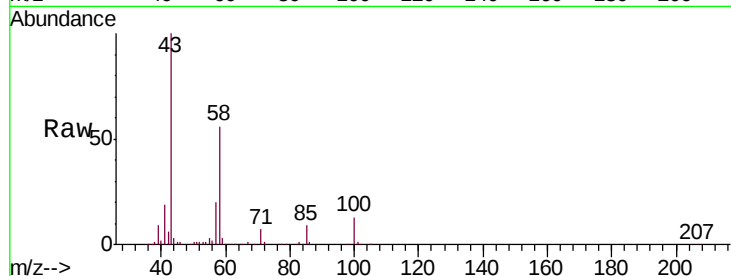




#49
2-Hexanone
Concen: 44.844 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

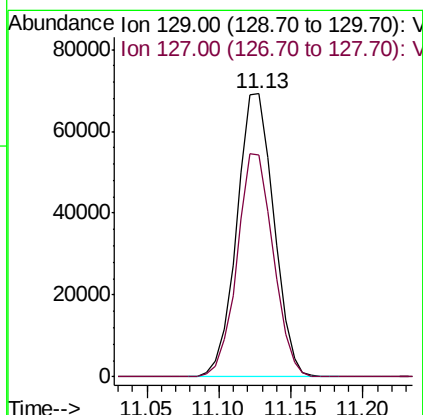
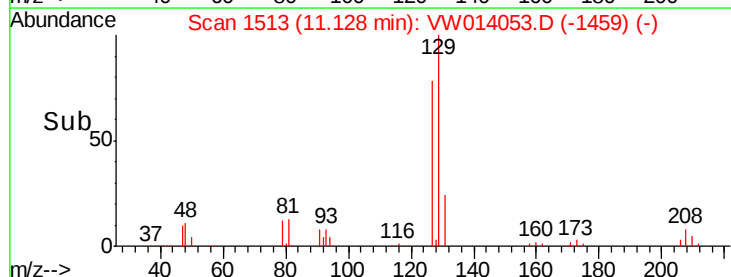
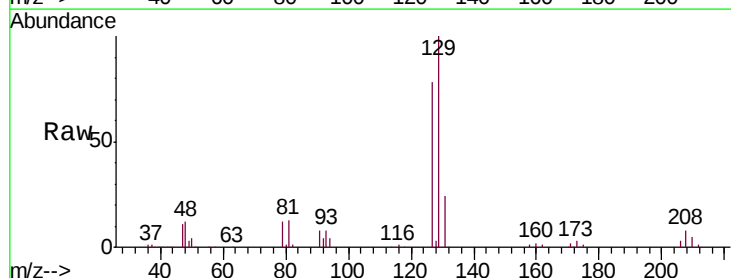
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

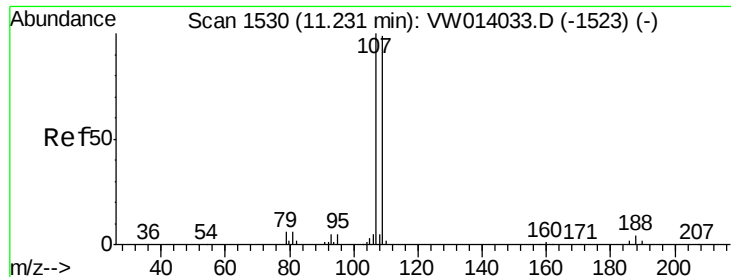
Tgt Ion: 43 Resp: 118160
Ion Ratio Lower Upper
43 100
58 56.1 44.4 66.6
57 19.7 16.5 24.7
100 13.6 11.1 16.7



#50
Dibromochloromethane
Concen: 25.801 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Tgt Ion: 129 Resp: 123346
Ion Ratio Lower Upper
129 100
127 78.4 54.9 102.1

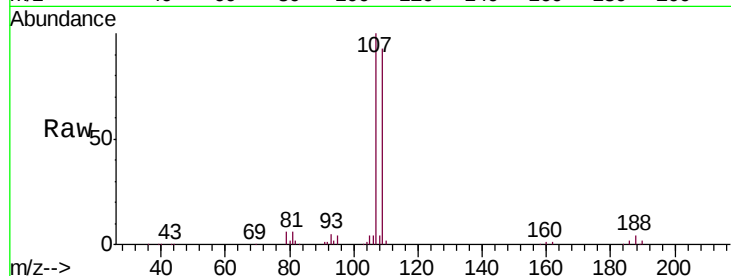




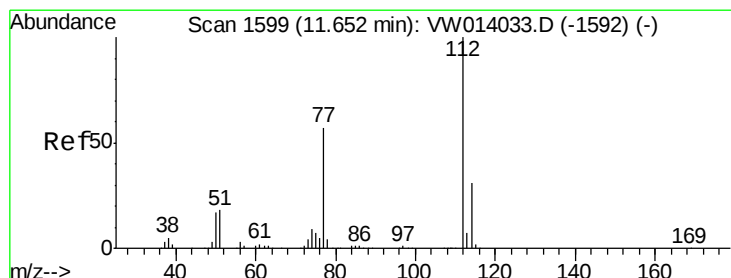
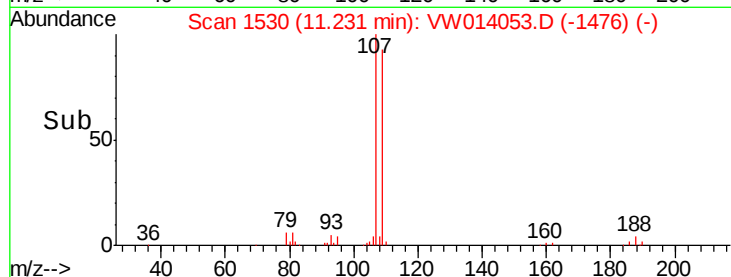
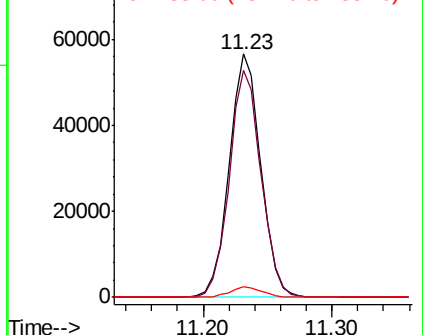
#51
1,2-Dibromoethane
Concen: 24.456 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	64.6	120.0
188	4.4	3.9	5.9

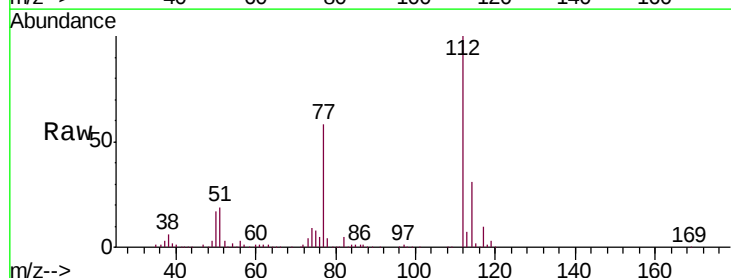


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

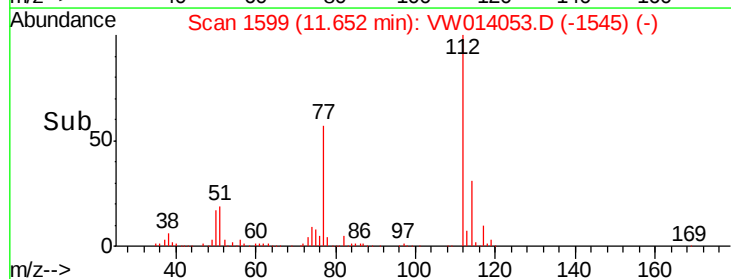
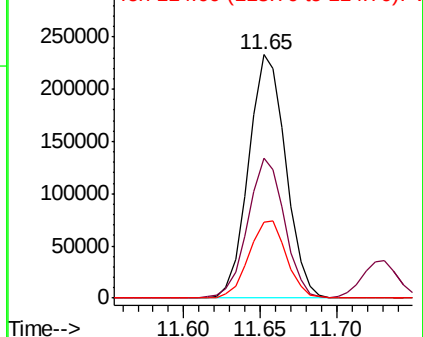


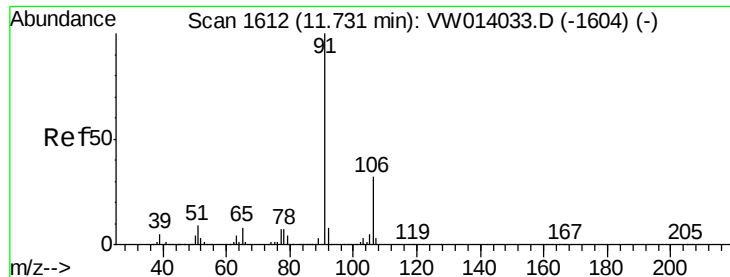
#52
Chlorobenzene
Concen: 25.090 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VW014053.D
Acq: 18 Nov 2019 09:33

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.5	42.2	63.4
114	31.4	22.5	41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.551 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

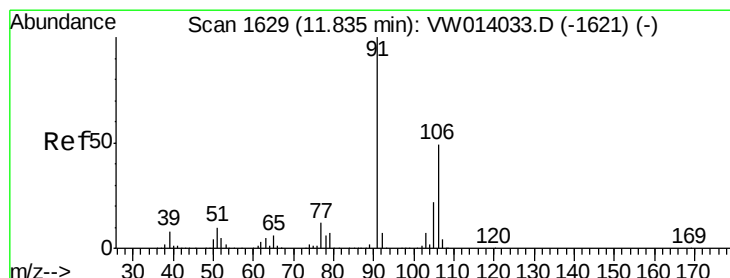
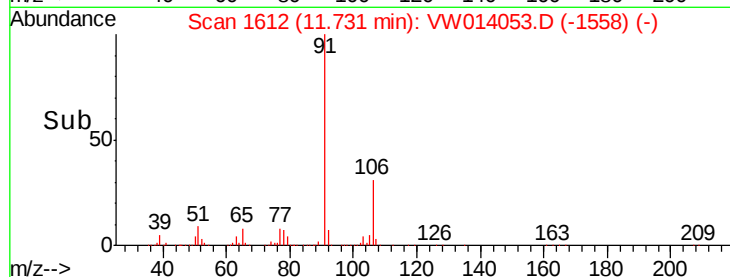
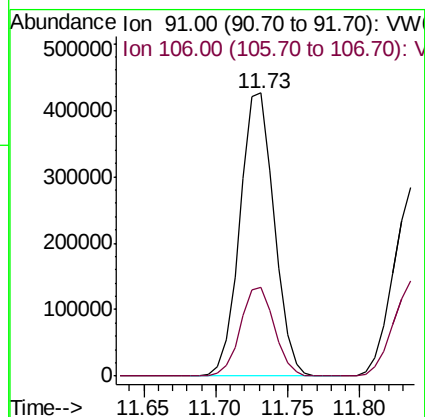
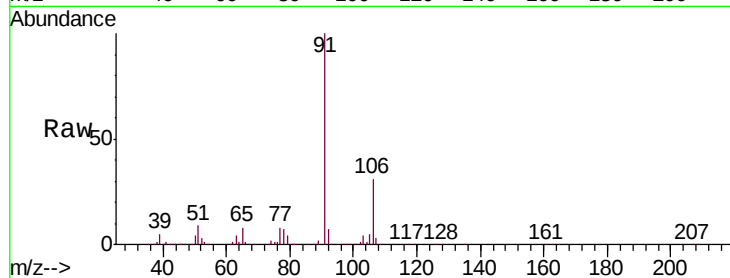
VSTD02511

Tgt Ion: 91 Resp: 702933

Ion Ratio Lower Upper

91 100

106 31.2 22.3 41.5



#54

m,p-Xylene

Concen: 25.140 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014053.D

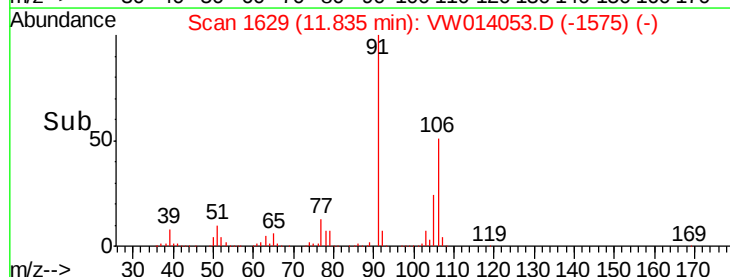
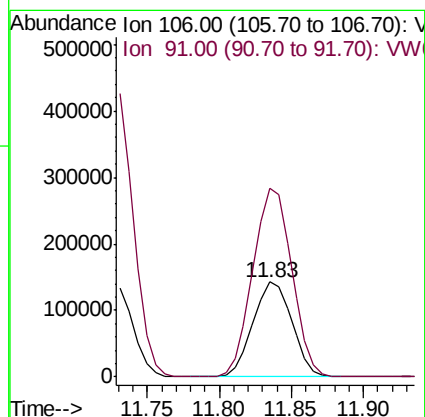
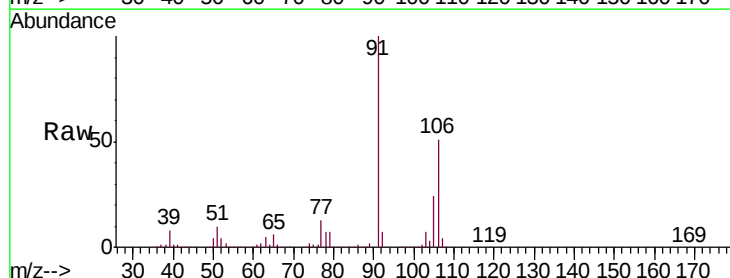
Acq: 18 Nov 2019 09:33

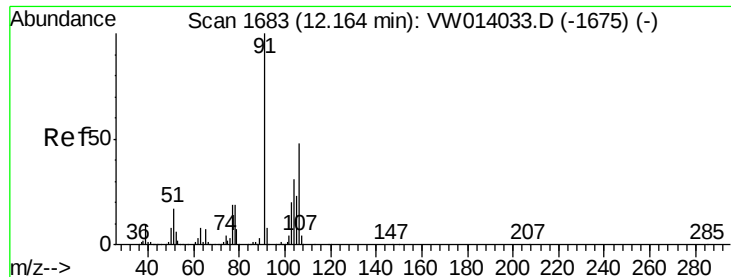
Tgt Ion: 106 Resp: 268784

Ion Ratio Lower Upper

106 100

91 197.8 138.7 257.5





#55

o-xylene

Concen: 25.266 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

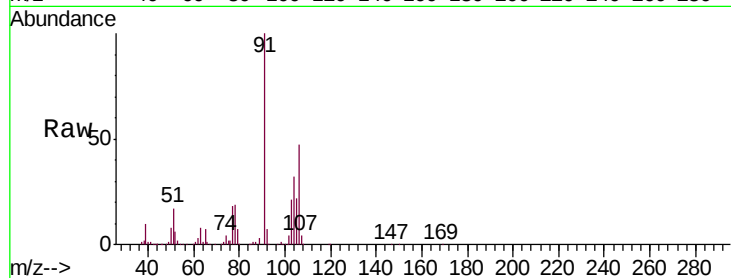
VSTD02511

Tgt Ion:106 Resp: 252961

Ion Ratio Lower Upper

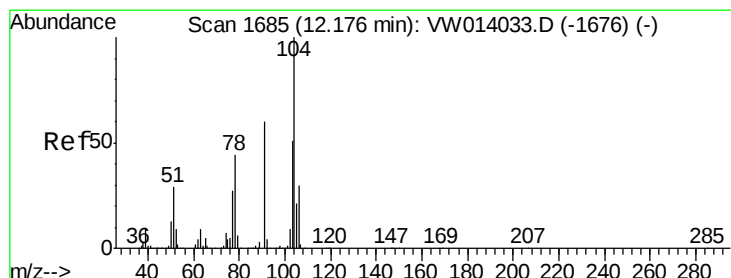
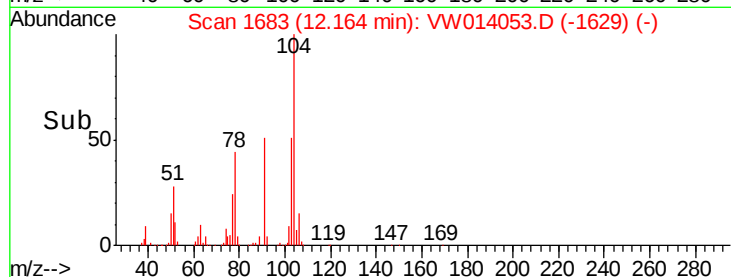
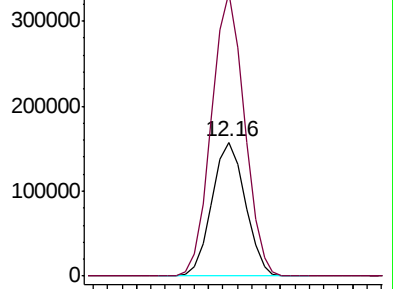
106 100

91 211.4 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.898 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014053.D

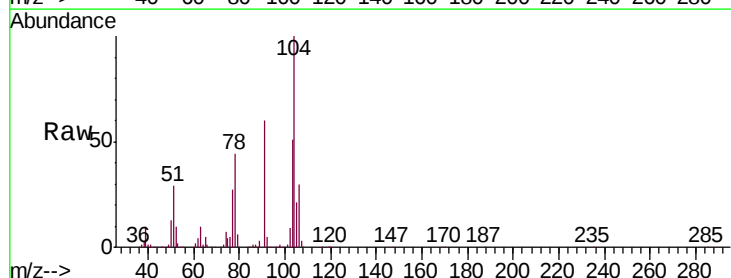
Acq: 18 Nov 2019 09:33

Tgt Ion:104 Resp: 438004

Ion Ratio Lower Upper

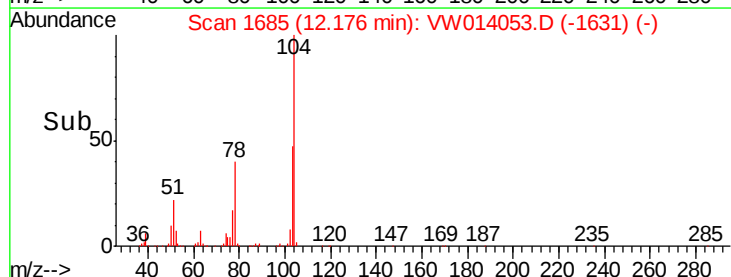
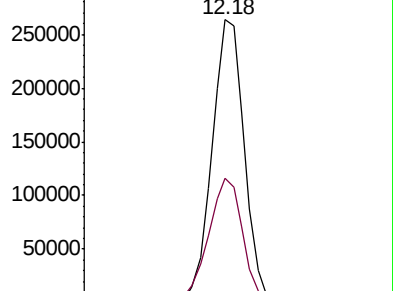
104 100

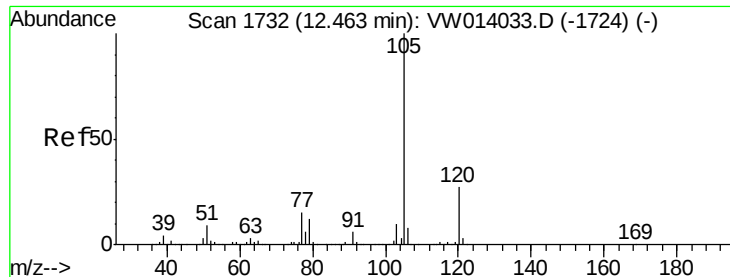
78 44.1 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.156 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

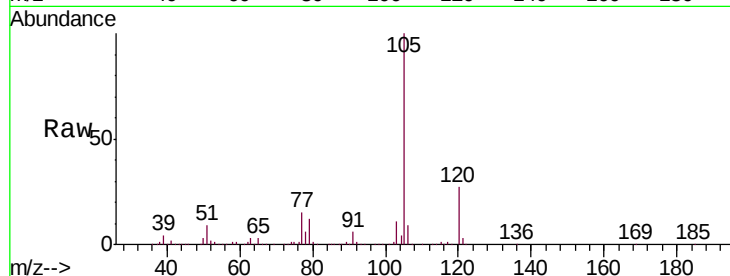
Tgt Ion: 105 Resp: 692484

Ion Ratio Lower Upper

105 100

120 26.6 21.6 32.4

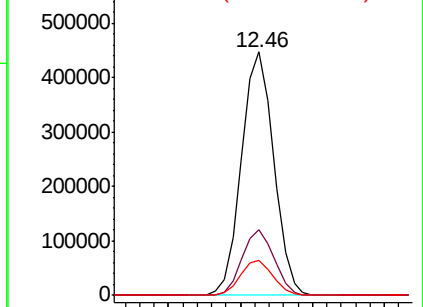
77 14.6 11.6 17.4



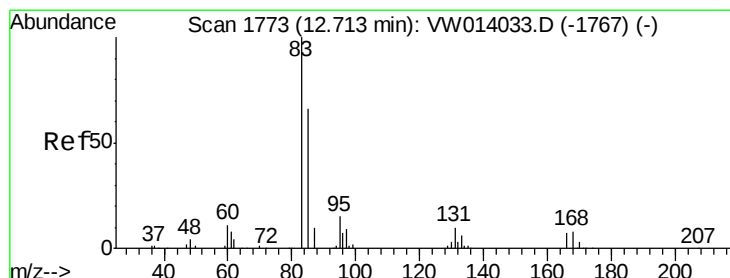
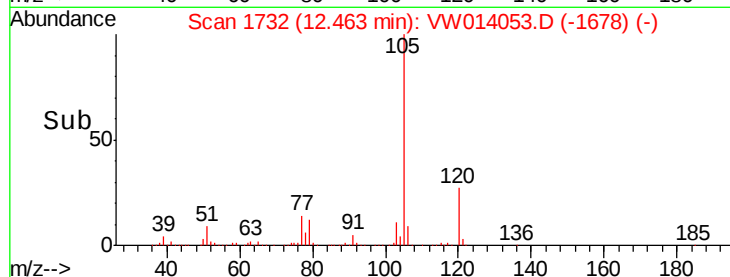
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 24.649 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

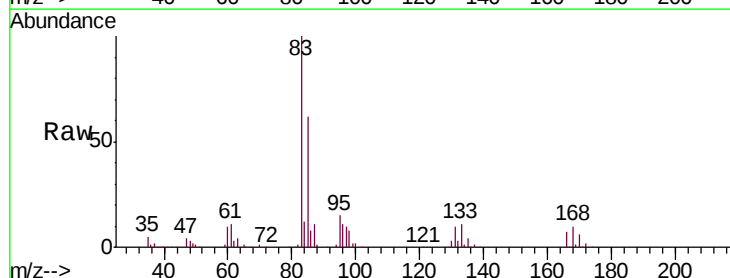
Tgt Ion: 83 Resp: 117044

Ion Ratio Lower Upper

83 100

85 62.1 43.7 81.1

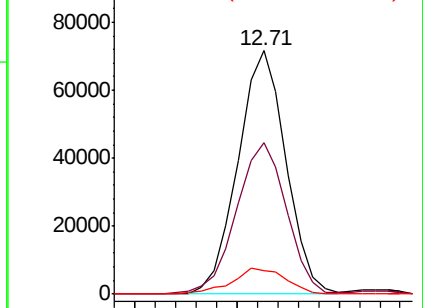
131 9.8 8.2 12.2



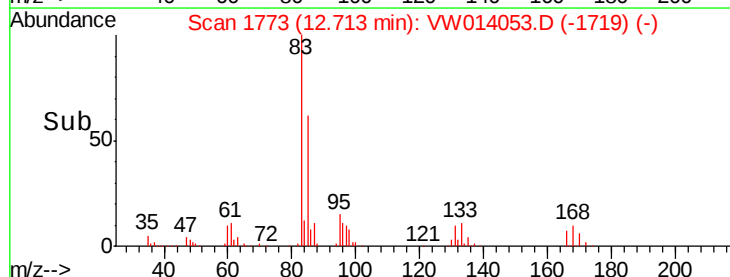
Abundance Ion 83.00 (82.70 to 83.70): VW

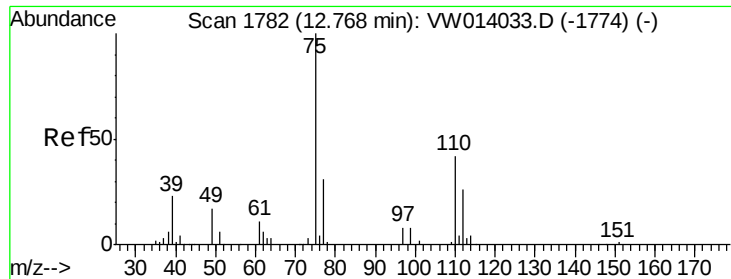
Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 24.143 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

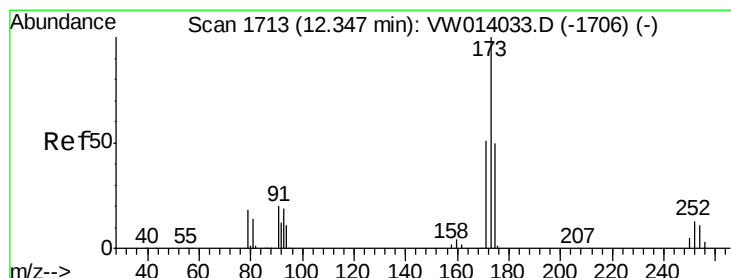
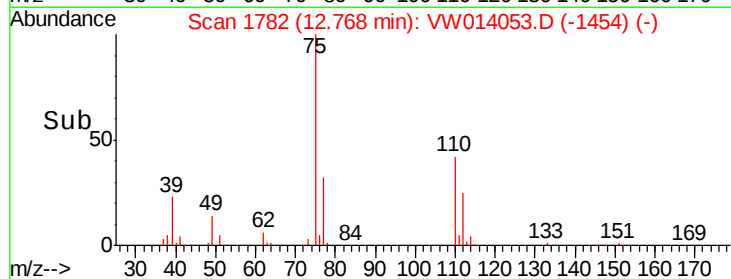
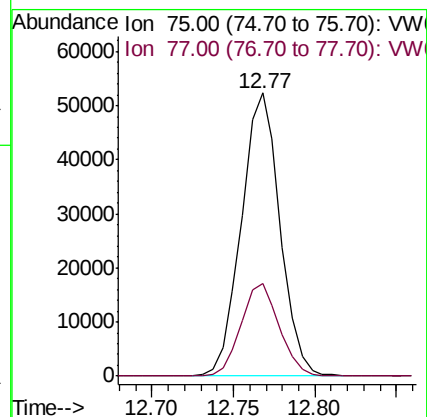
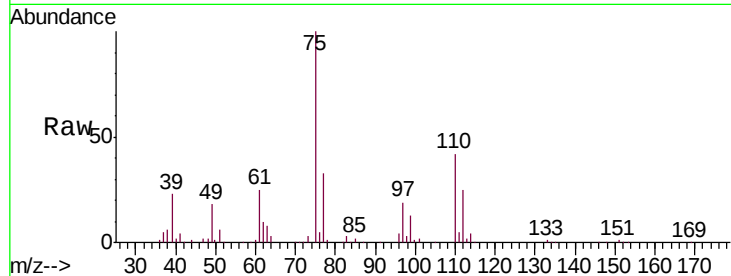
VSTD02511

Tgt Ion: 75 Resp: 86221

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 24.480 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

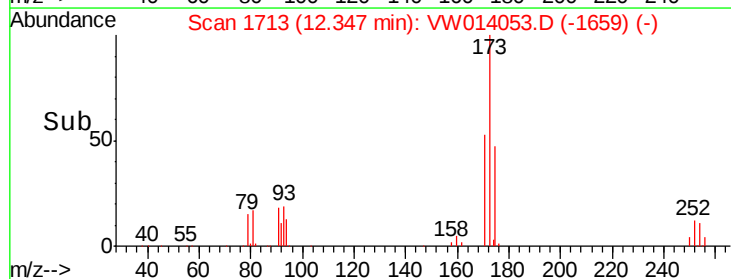
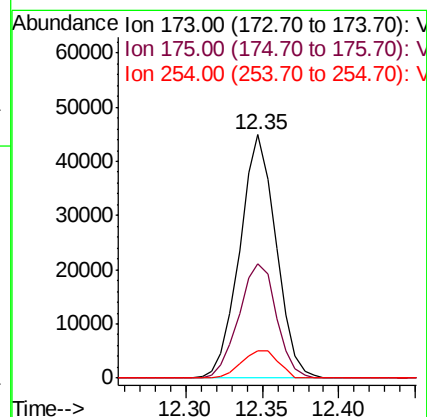
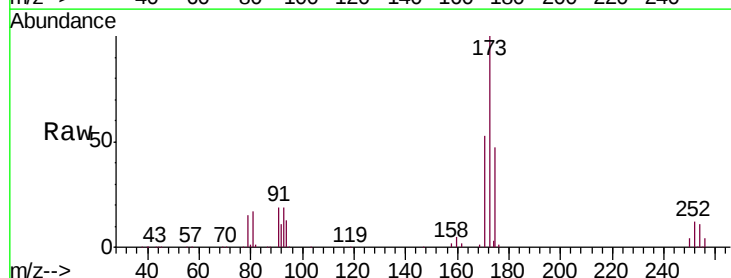
Tgt Ion: 173 Resp: 74099

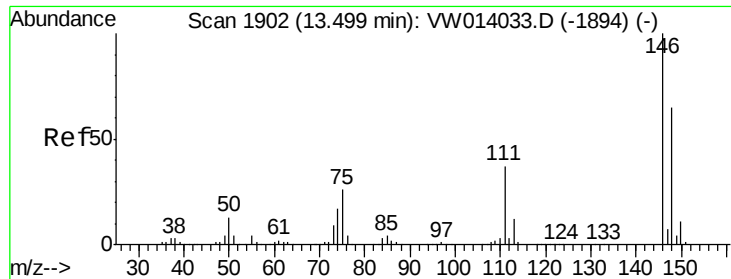
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 11.4 9.4 14.0

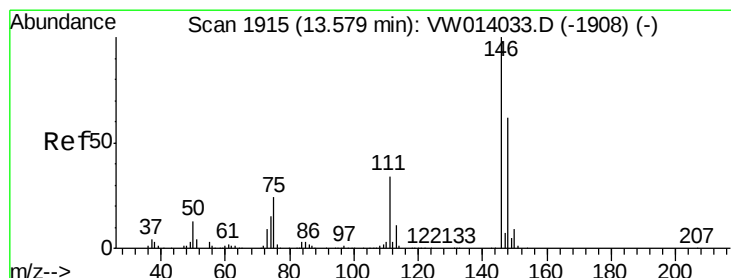
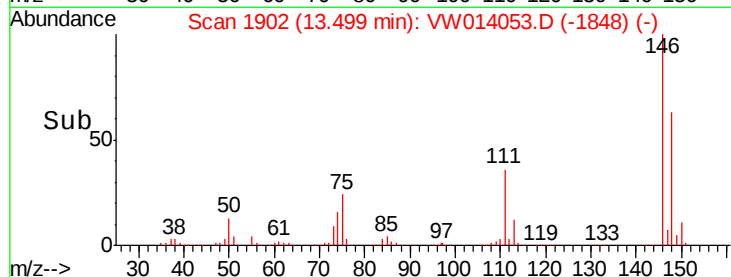
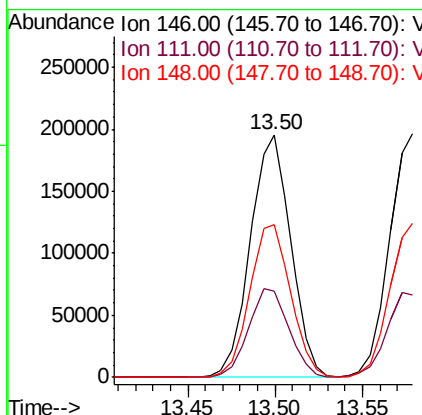
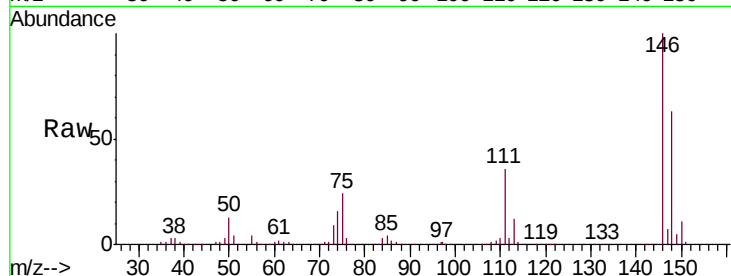




#63
 1,3-Dichlorobenzene
 Concen: 24.198 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

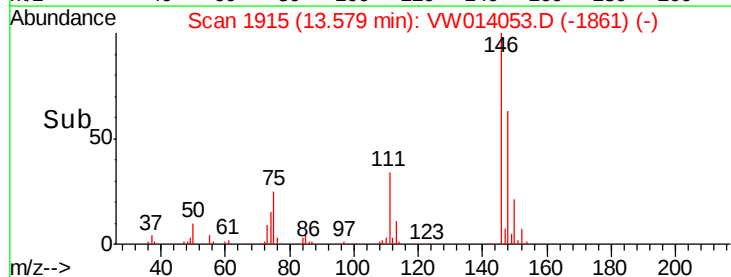
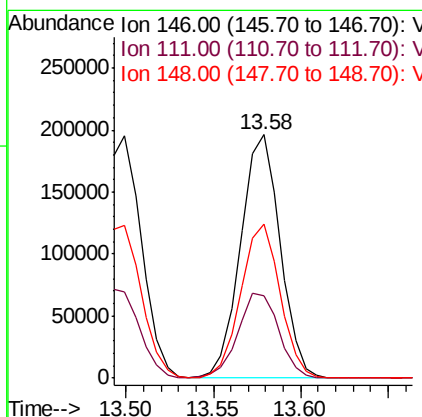
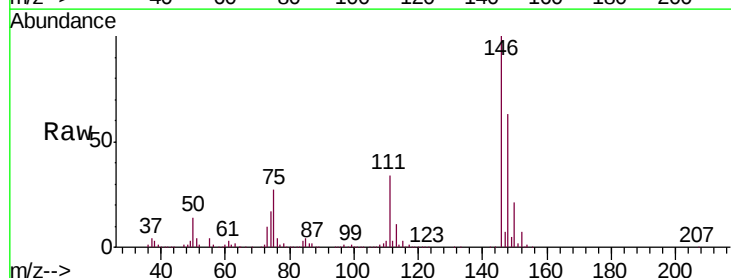
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

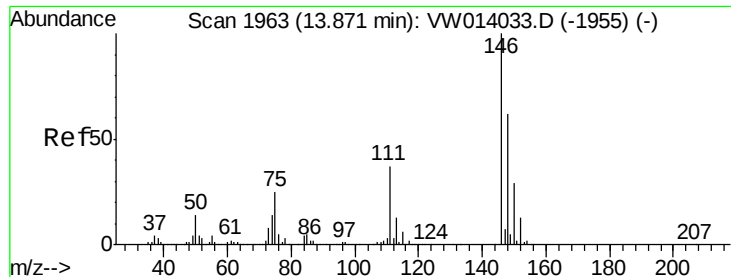
Tgt Ion:146 Resp: 313825
 Ion Ratio Lower Upper
 146 100
 111 35.5 26.0 48.2
 148 62.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 24.174 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Tgt Ion:146 Resp: 309757
 Ion Ratio Lower Upper
 146 100
 111 33.9 24.9 46.3
 148 63.1 43.9 81.5

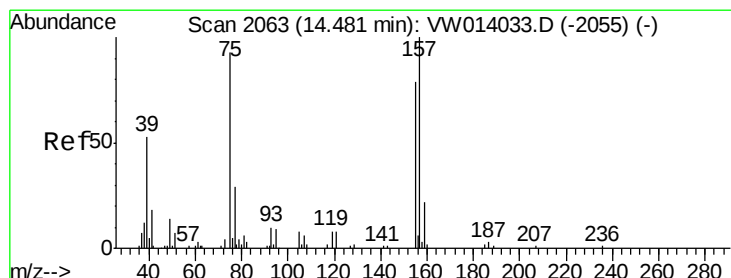
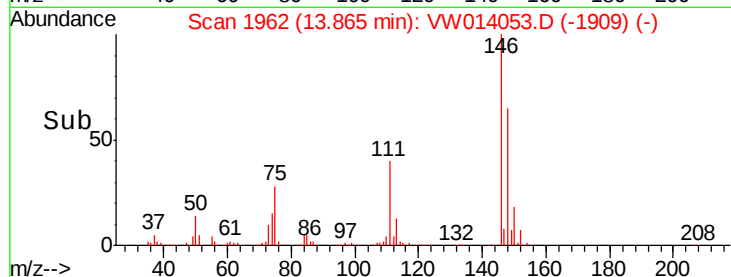
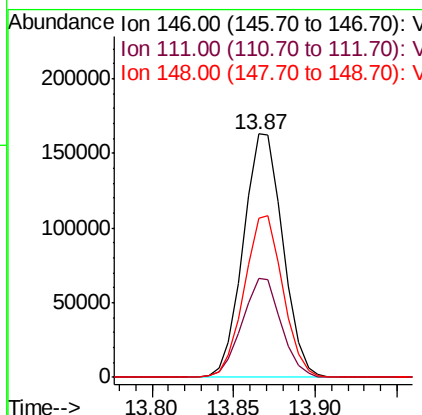
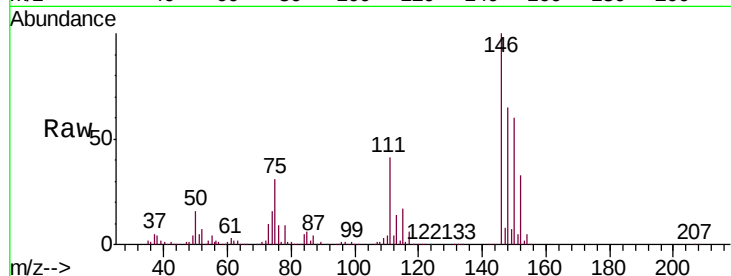




#65
 1,2-Dichlorobenzene
 Concen: 23.929 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

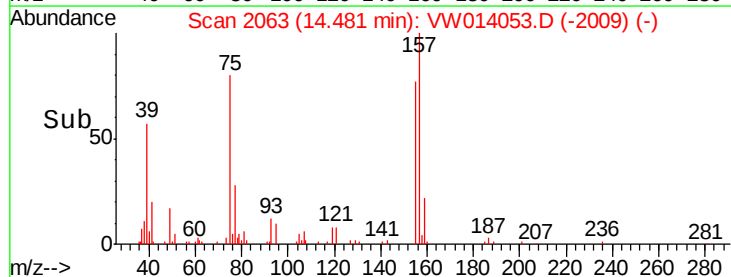
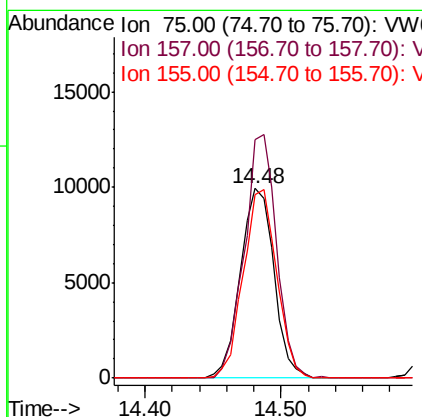
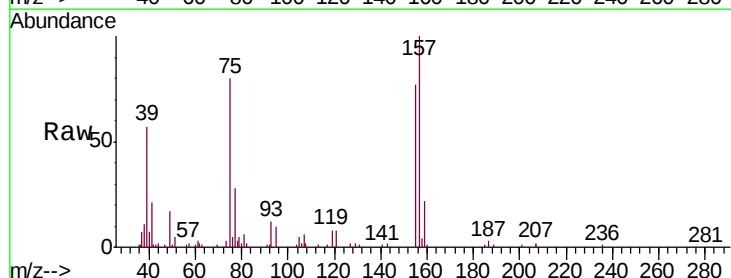
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02511

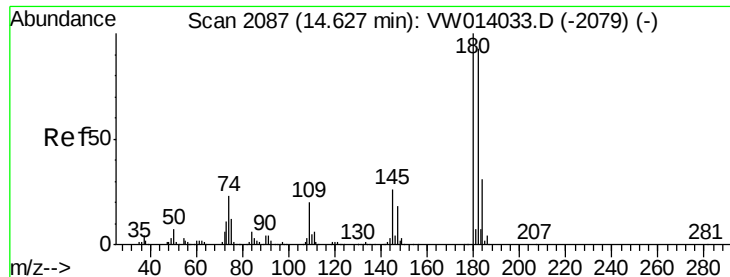
Tgt Ion:146 Resp: 274802
 Ion Ratio Lower Upper
 146 100
 111 40.5 30.5 45.7
 148 65.4 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.907 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Tgt Ion: 75 Resp: 17134
 Ion Ratio Lower Upper
 75 100
 157 125.7 96.9 145.3
 155 96.6 82.9 124.3

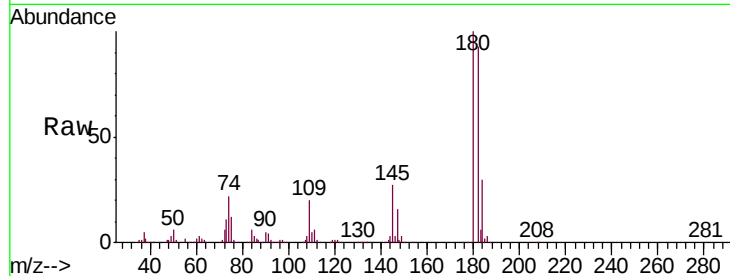




#67
 1,3,5-Trichlorobenzene
 Concen: 23.917 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tgt Ion:	180	Resp:	236389
Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.2	114.2
184	30.5	24.3	36.5
145	27.4	21.9	32.9



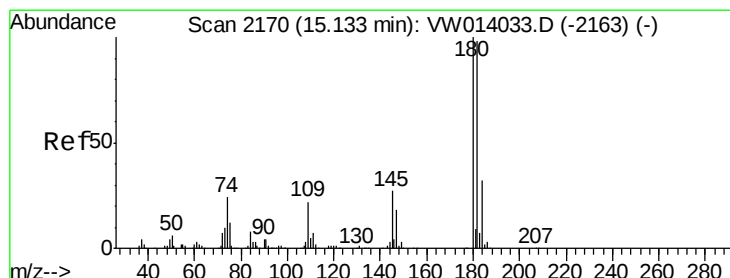
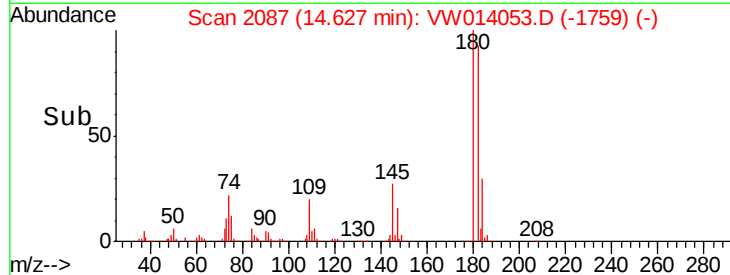
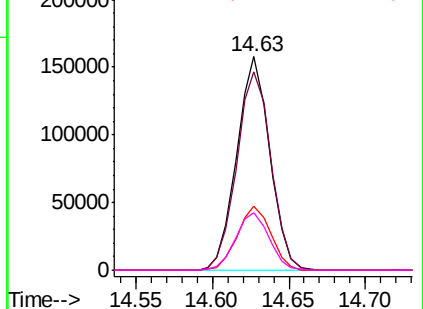
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

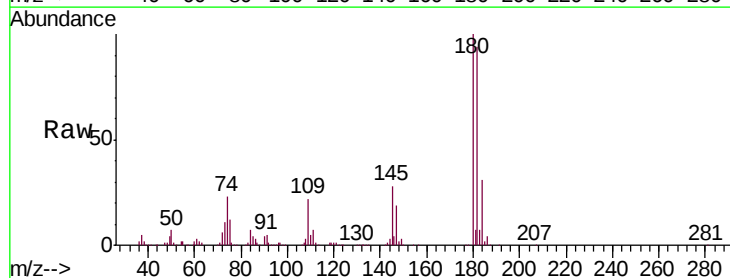
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.198 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014053.D
 Acq: 18 Nov 2019 09:33

Tgt Ion:	180	Resp:	180285
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.8
145	28.3	22.4	33.6

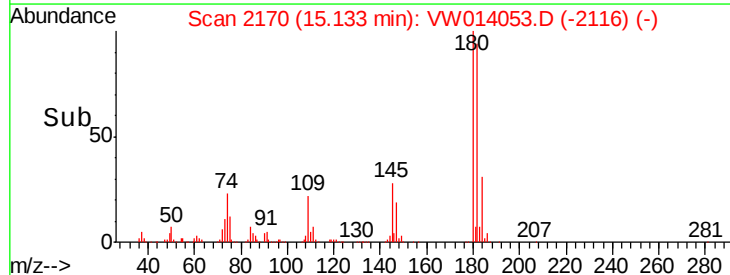
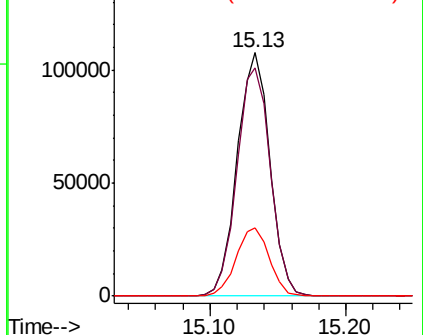


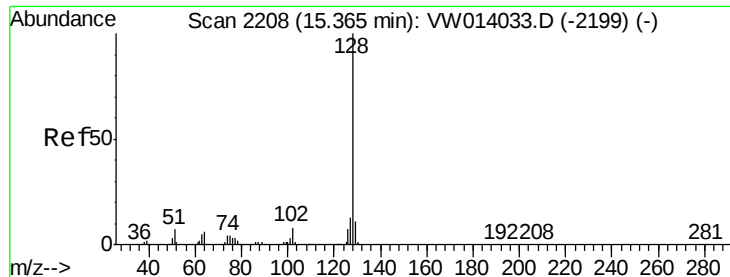
Abundance

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: 21.716 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

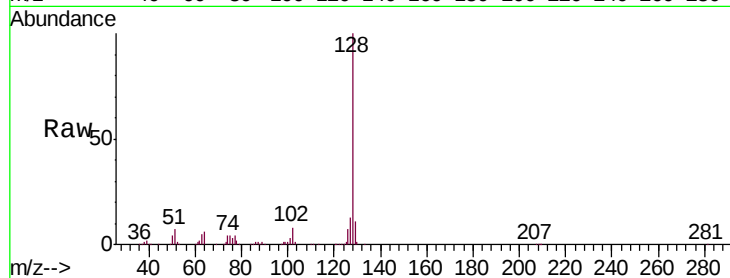
Tgt Ion:128 Resp: 299817

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

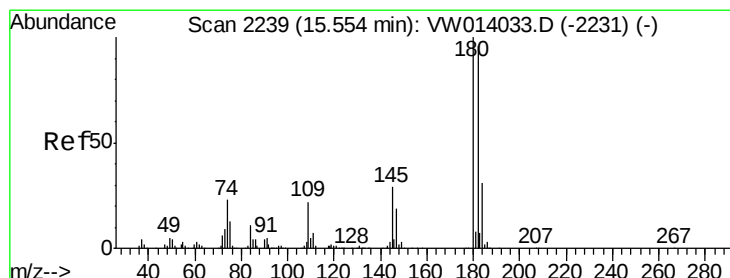
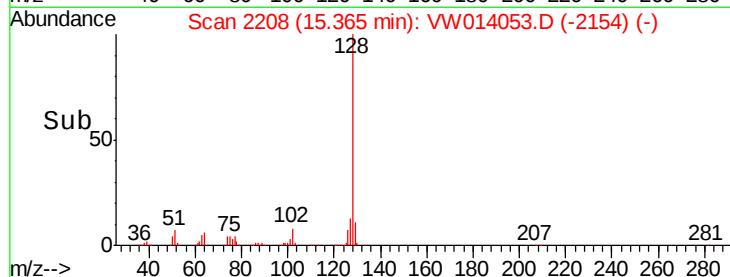
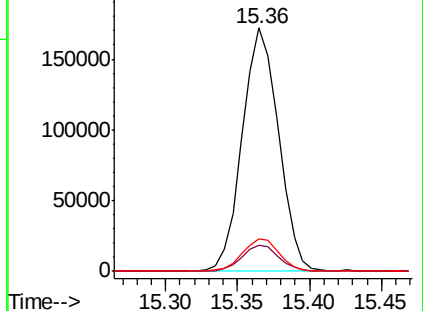
127 13.4 10.4 15.6



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: 23.127 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014053.D

Acq: 18 Nov 2019 09:33

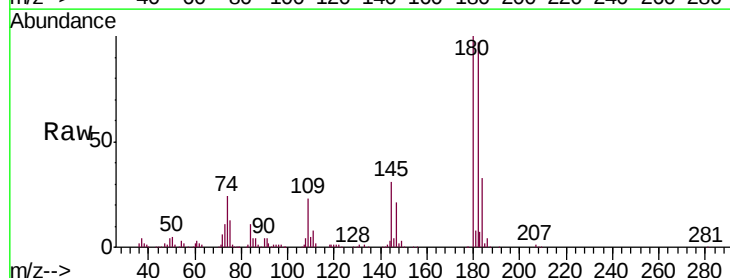
Tgt Ion:180 Resp: 158615

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 29.5 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

