

Data File : VW014122.D
Acq On : 25 Nov 2019 19:59
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

Quant Time: Nov 26 07:50:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 26 07:45:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	287952	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	284783	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	178127	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	99773	21.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.88%
7) Chloroethane-d5	2.89	69	89847	24.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.48%
10) 1,1-Dichloroethene-d2	4.02	63	220949	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.72%
20) 2-Butanone-d5	7.07	46	87429	65.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.02%
24) Chloroform-d	7.65	84	246000	27.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.12%
26) 1,2-Dichloroethane-d4	8.30	65	131980	29.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	118.60%
29) Benzene-d6	8.27	84	500308	24.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.04%
33) 1,2-Dichloropropane-d6	9.27	67	155030	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
37) Toluene-d8	10.32	98	460276	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.08%
38) trans-1,3-Dichloropropene-	10.57	79	67565	26.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.60%
39) 2-Hexanone-d5	10.92	63	73602	65.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	131.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	139412	31.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.76%#
61) 1,2-Dichlorobenzene-d4	13.85	152	181226	25.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	70736	20.656	ug/L 97
3) Chloromethane	2.21	50	62688	20.609	ug/L 98
5) Vinyl chloride	2.36	62	123178	25.936	ug/L 93
6) Bromomethane	2.78	94	76845	26.133	ug/L 100
8) Chloroethane	2.92	64	75086	26.578	ug/L 96
9) Trichlorofluoromethane	3.25	101	66732	20.605	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	127658	26.695	ug/L 98
12) 1,1-Dichloroethene	4.04	96	127883	26.308	ug/L 91
13) Acetone	4.12	43	74247	54.668	ug/L 98
14) Carbon disulfide	4.39	76	341204	24.662	ug/L 100
15) Methyl Acetate	4.67	43	67783	30.847	ug/L 100
16) Methylene chloride	4.92	84	137567	24.816	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	181154	28.887	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	135053	26.643	ug/L 96
19) 1,1-Dichloroethane	6.21	63	237990	27.873	ug/L 99
21) 2-Butanone	7.17	43	103021	59.043	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	147475	27.647	ug/L 99

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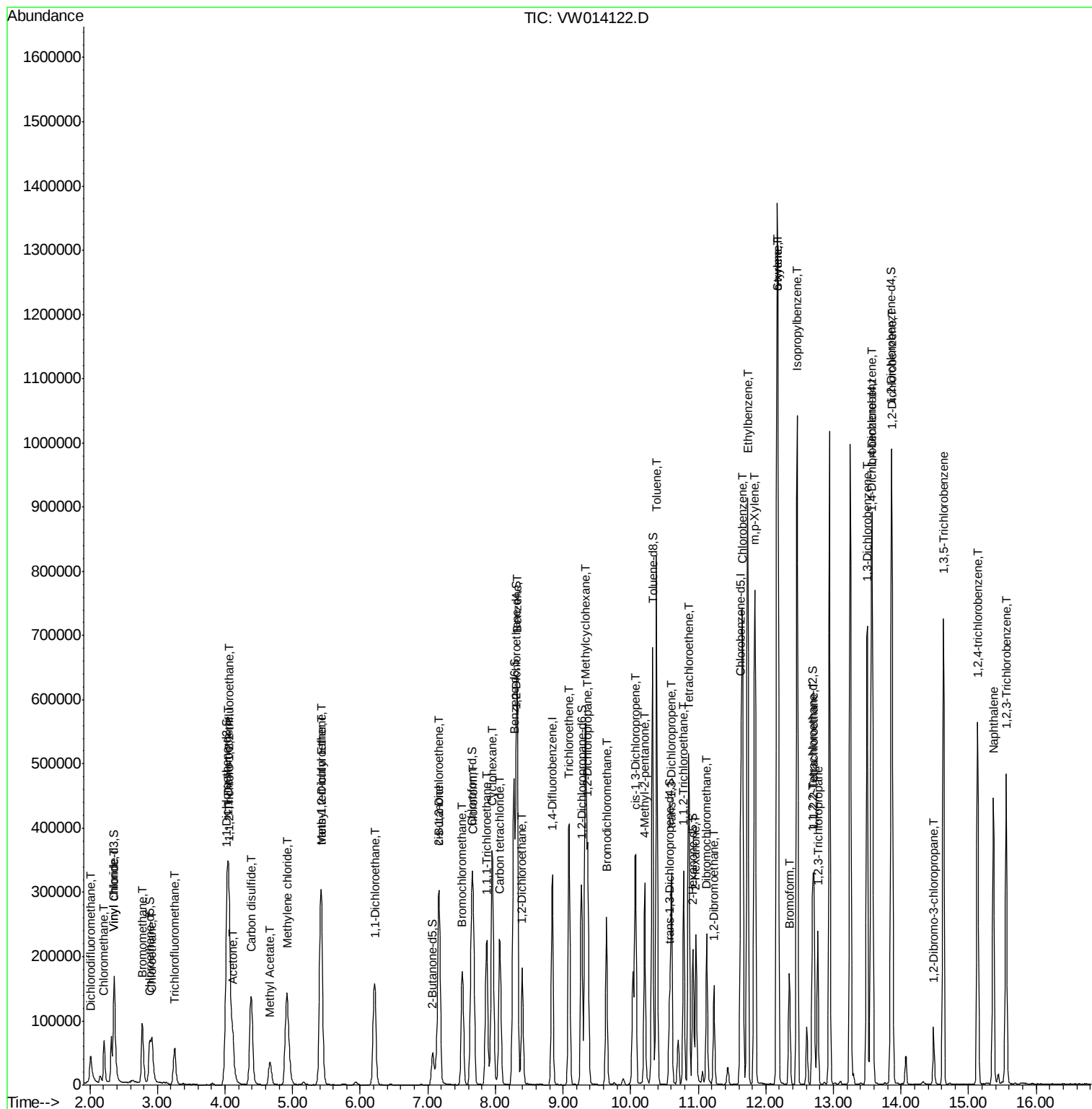
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69734	29.781	ug/L	95
25) Chloroform	7.67	83	246571	29.407	ug/L	99
27) 1,2-Dichloroethane	8.40	62	160345	31.586	ug/L	98
30) Cyclohexane	7.95	56	215803	23.679	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	188826	26.458	ug/L	99
32) Carbon tetrachloride	8.07	117	181004	26.420	ug/L	99
34) Benzene	8.32	78	555707	26.603	ug/L	100
35) Trichloroethene	9.09	95	145671	26.143	ug/L	99
36) Methylcyclohexane	9.34	83	238380	23.860	ug/L	99
40) 1,2-Dichloropropane	9.37	63	138927	27.628	ug/L	100
41) Bromodichloromethane	9.64	83	176906	29.101	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	219480	27.658	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	198199	59.697	ug/L	99
44) Toluene	10.38	91	602206	26.442	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	181869	28.982	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	110483	29.903	ug/L	99
47) Tetrachloroethene	10.86	164	127637	25.699	ug/L	99
49) 2-Hexanone	10.96	43	147591	61.660	ug/L	98
50) Dibromochloromethane	11.13	129	130557	30.063	ug/L	99
51) 1,2-Dibromoethane	11.23	107	106331	29.661	ug/L	100
52) Chlorobenzene	11.65	112	385471	26.998	ug/L	96
53) Ethylbenzene	11.73	91	673259	26.939	ug/L	100
54) m,p-Xylene	11.83	106	263096	27.089	ug/L	99
55) o-xylene	12.16	106	249169	27.396	ug/L	99
56) Styrene	12.18	104	441838	28.758	ug/L	99
57) Isopropylbenzene	12.46	105	671727	26.862	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	135621	31.440	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	101026	31.140	ug/L	100
62) Bromoform	12.35	173	82578	28.288	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	321222	25.683	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	324299	26.243	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	298843	26.982	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	21391	28.360	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	246432	25.854	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	199578	26.629	ug/L	98
69) Naphthalene	15.36	128	385928	28.984	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	185189	27.998	ug/L	99

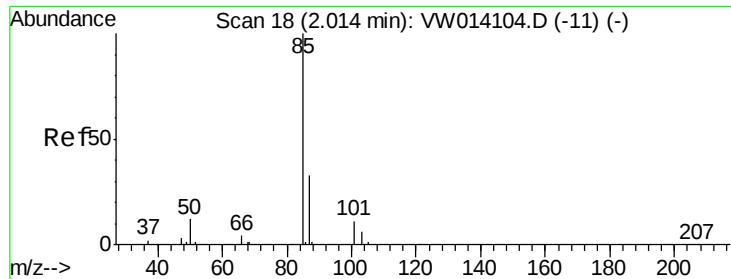
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.656 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampled :

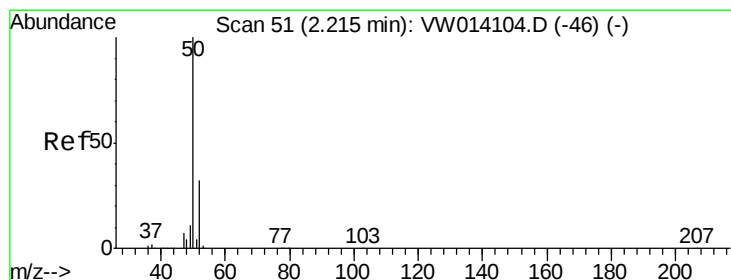
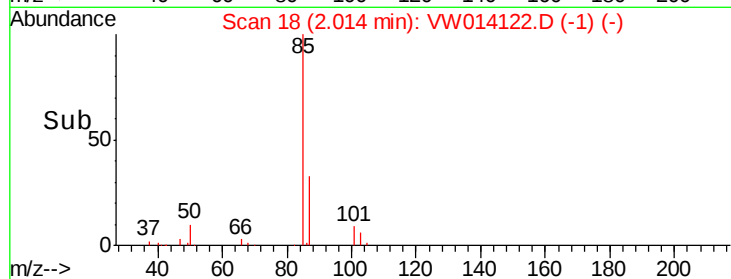
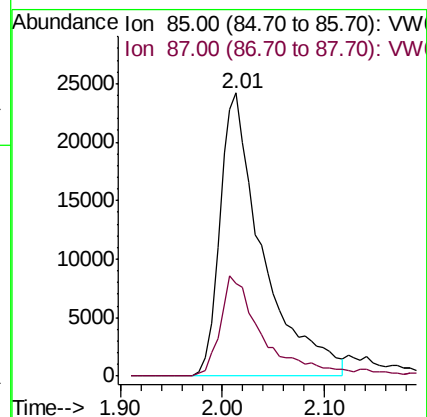
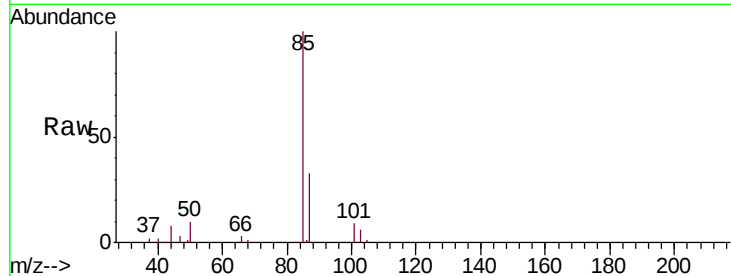
VSTD02520

Tgt Ion: 85 Resp: 70736

Ion Ratio Lower Upper

85 100

87 29.8 22.1 41.1



#3

Chloromethane

Concen: 20.609 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014122.D

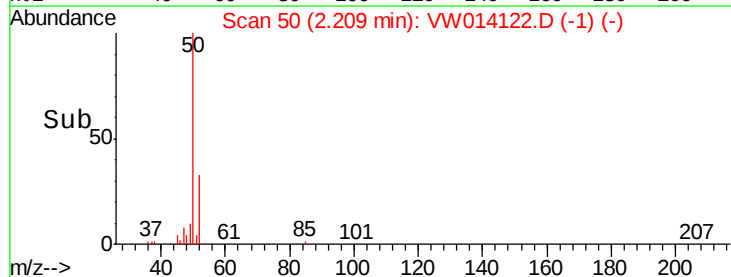
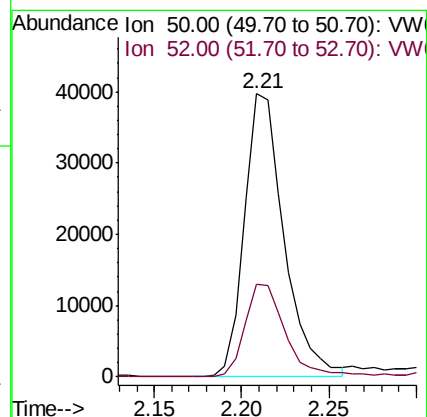
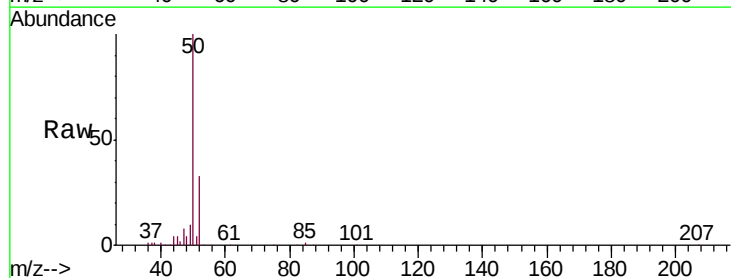
Acq: 25 Nov 2019 19:59

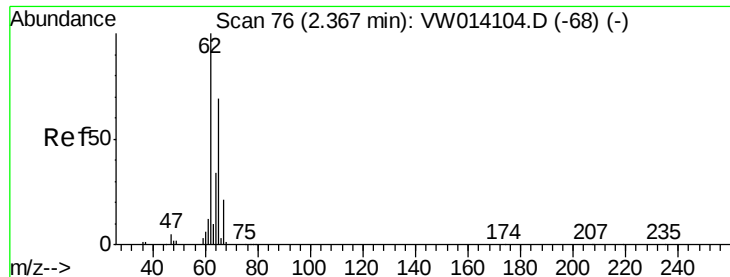
Tgt Ion: 50 Resp: 62688

Ion Ratio Lower Upper

50 100

52 32.7 23.8 44.2





#5

Vinyl chloride

Concen: 25.936 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

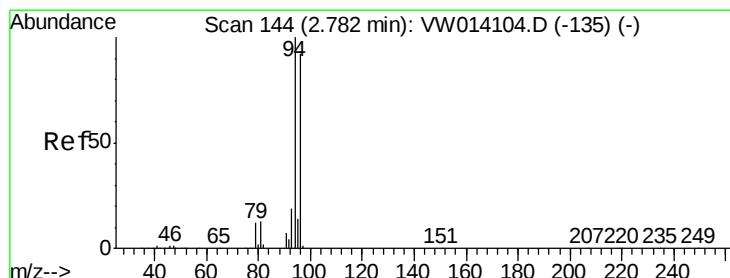
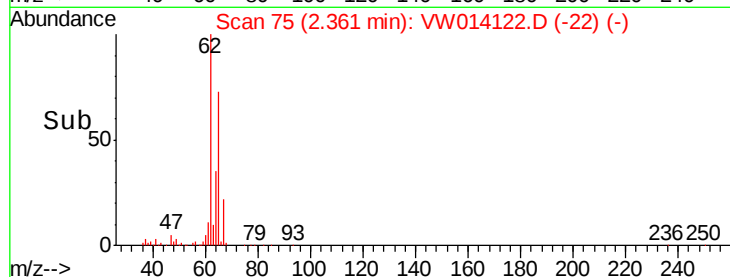
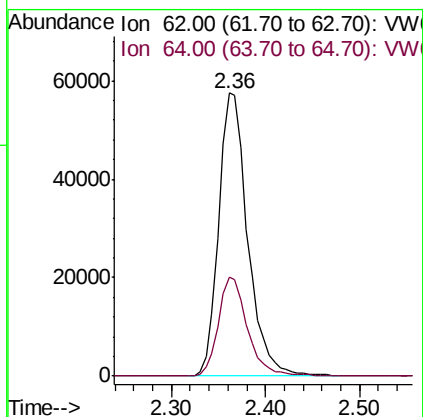
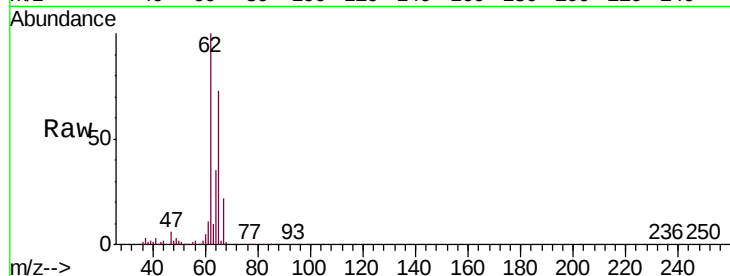
VSTD02520

Tgt Ion: 62 Resp: 123178

Ion Ratio Lower Upper

62 100

64 34.8 21.8 40.4



#6

Bromomethane

Concen: 26.133 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014122.D

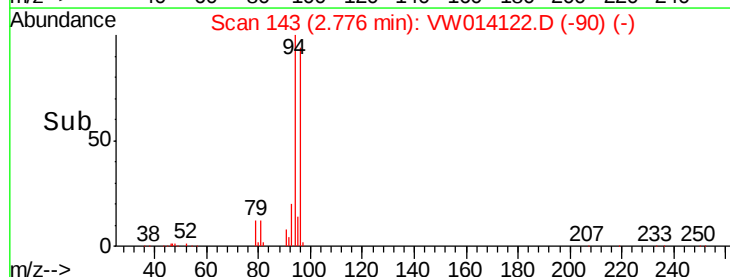
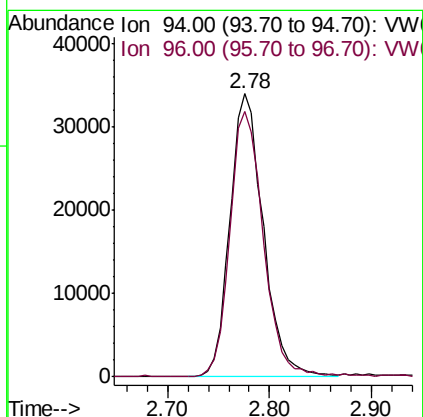
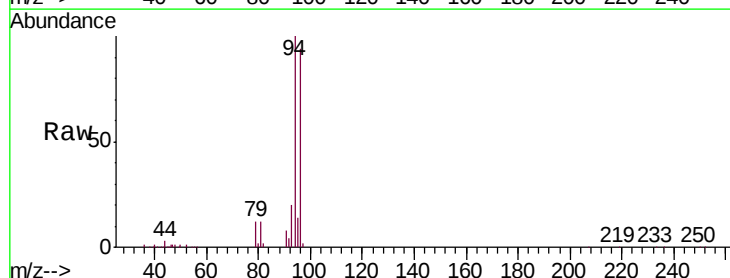
Acq: 25 Nov 2019 19:59

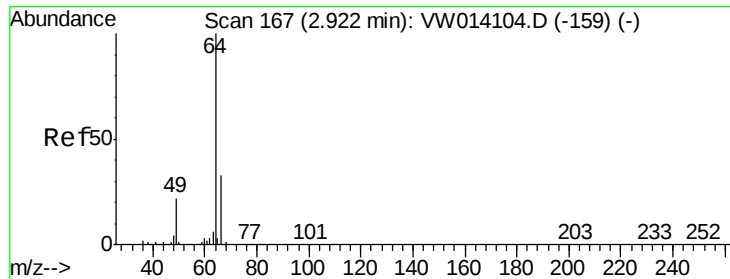
Tgt Ion: 94 Resp: 76845

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.8

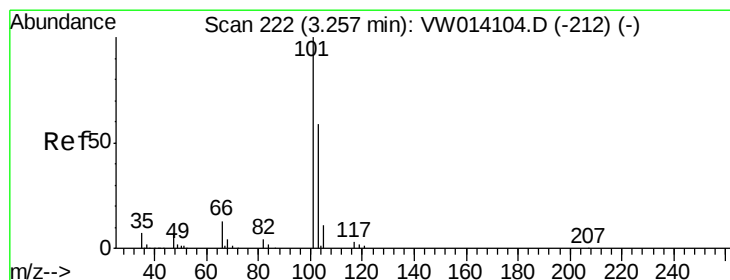
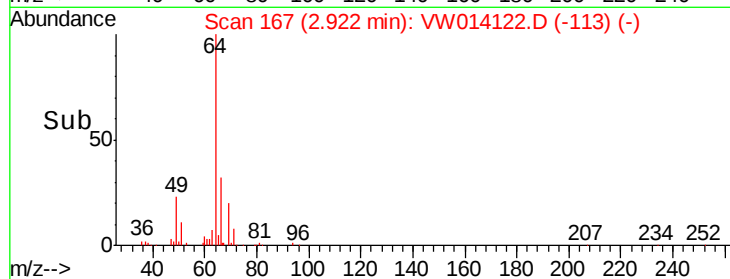
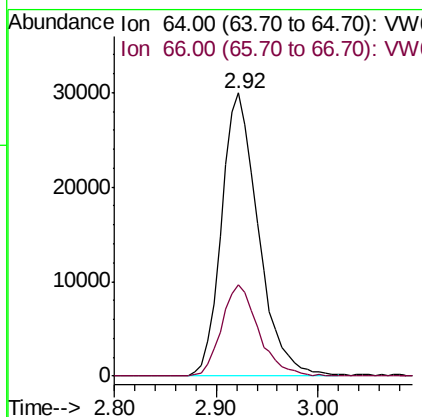
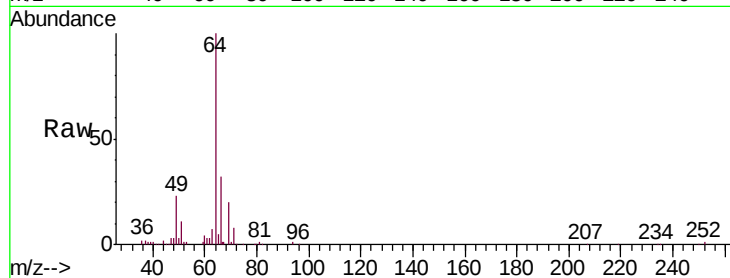




#8
 Chloroethane
 Concen: 26.578 ug/L
 RT: 2.92 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

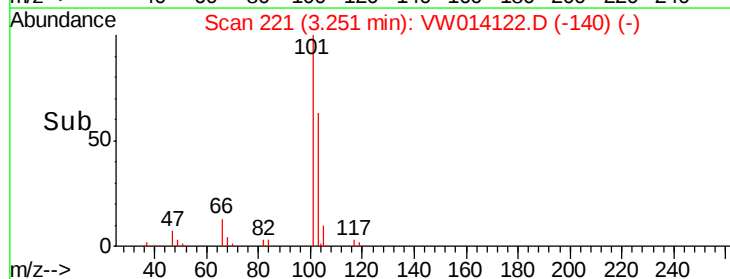
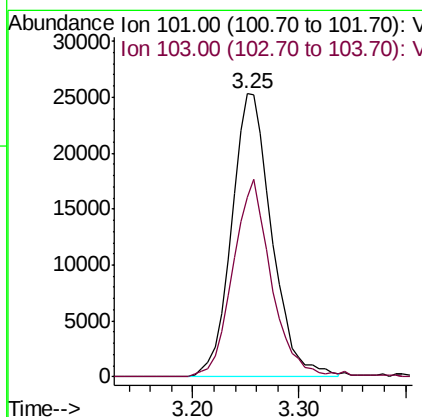
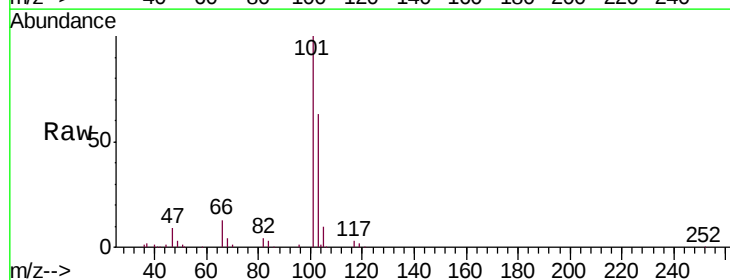
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

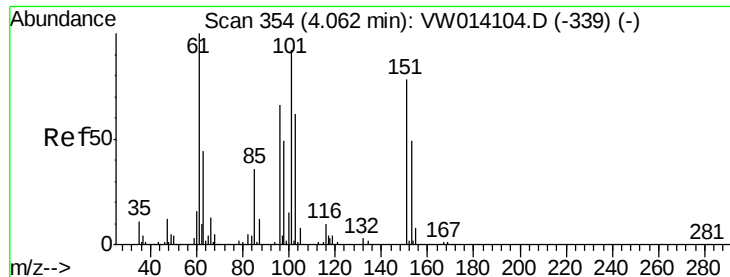
Tgt Ion: 64 Resp: 75086
 Ion Ratio Lower Upper
 64 100
 66 32.2 21.2 39.4



#9
 Trichlorofluoromethane
 Concen: 20.605 ug/L
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion: 101 Resp: 66732
 Ion Ratio Lower Upper
 101 100
 103 66.4 45.4 84.2





#11

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

Concen: 26.695 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

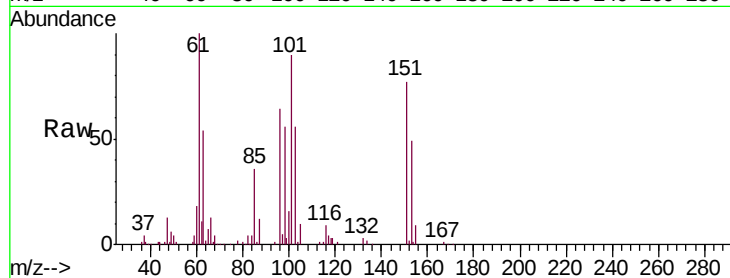
Tgt Ion:101 Resp: 127658

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.2

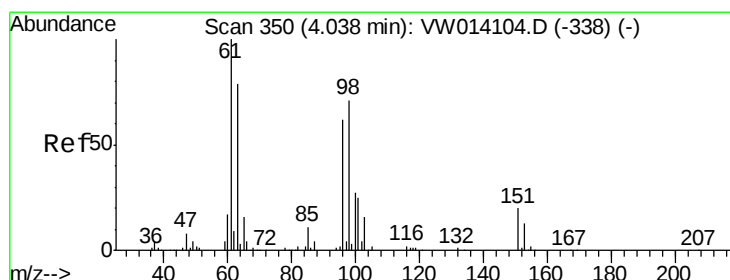
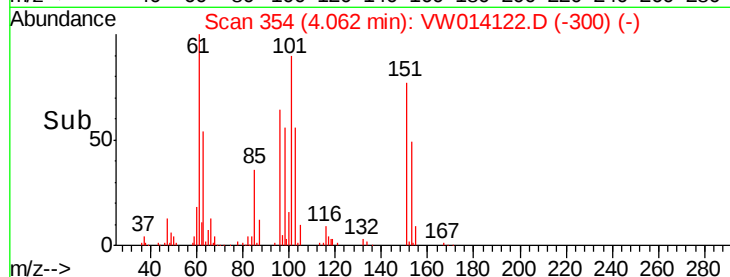
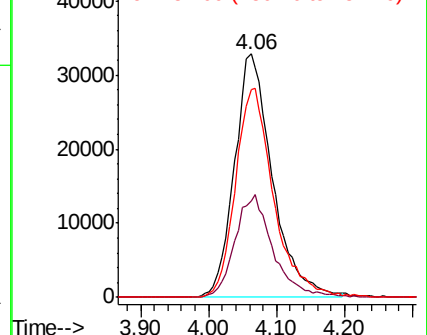
151 85.8 66.9 100.3



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: 26.308 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014122.D

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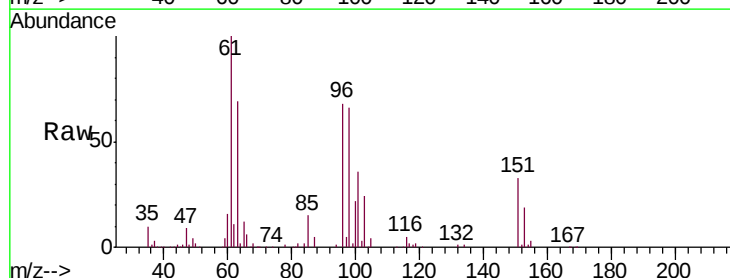
Tgt Ion: 96 Resp: 127883

Ion Ratio Lower Upper

96 100

61 147.7 109.8 204.0

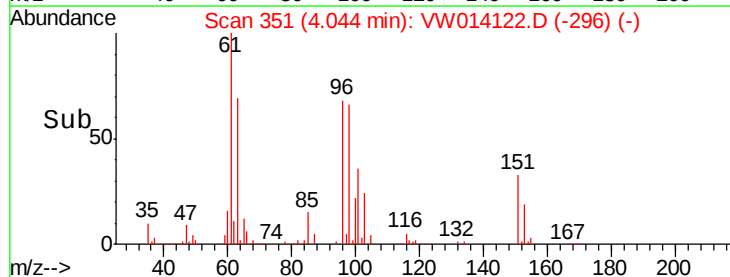
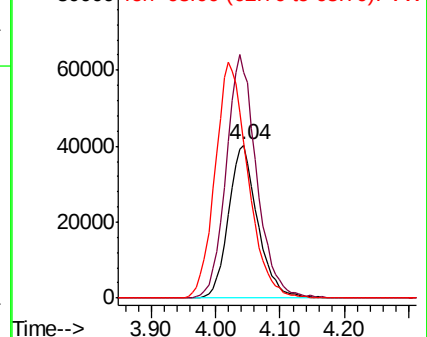
63 101.7 80.7 149.9

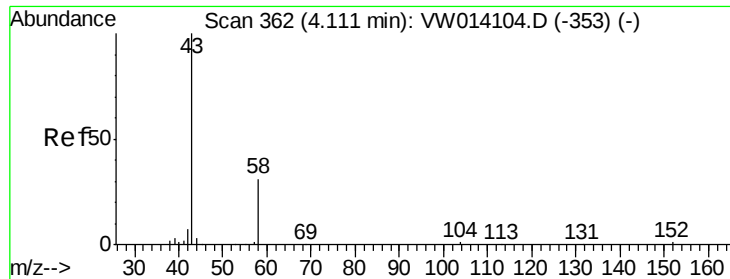


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 54.668 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

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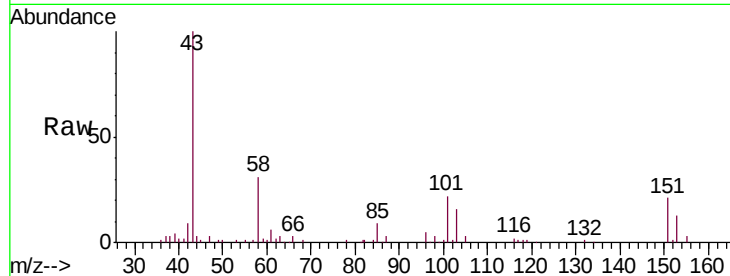
VSTD02520

Tgt Ion: 43 Resp: 74247

Ion Ratio Lower Upper

43 100

58 31.6 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

30000

25000

20000

15000

10000

5000

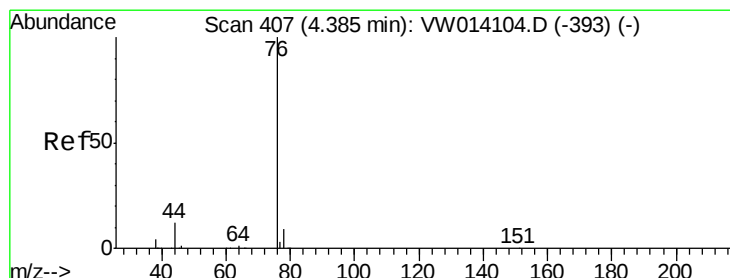
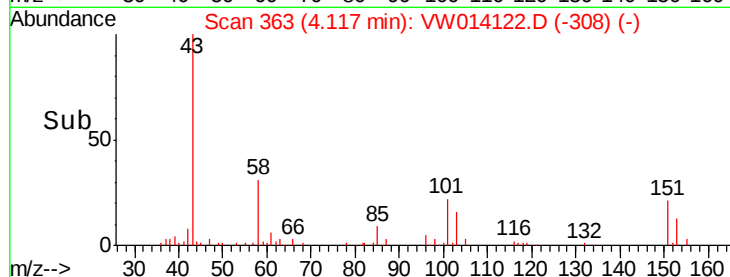
0

4.00

4.12

4.20

Time-->



#14

Carbon disulfide

Concen: 24.662 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014122.D

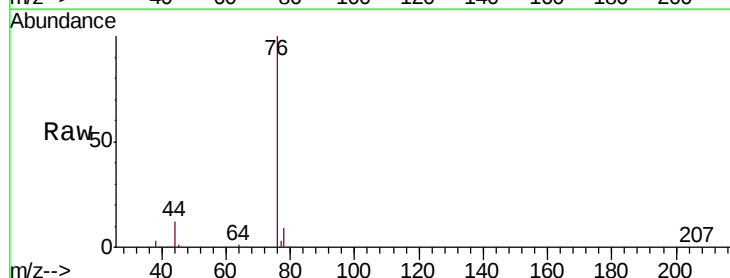
Acq: 25 Nov 2019 19:59

Tgt Ion: 76 Resp: 341204

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

120000

100000

80000

60000

40000

20000

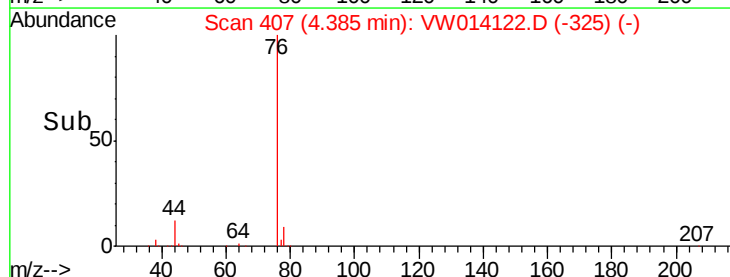
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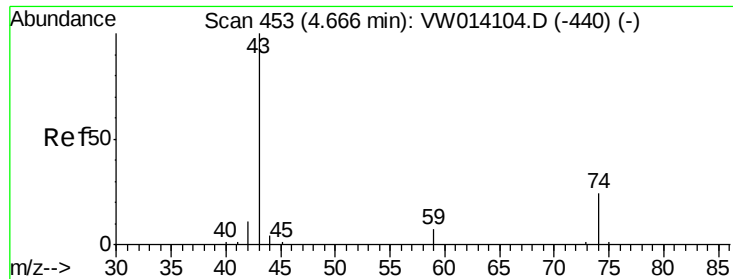
4.30

4.39

4.50

Time-->

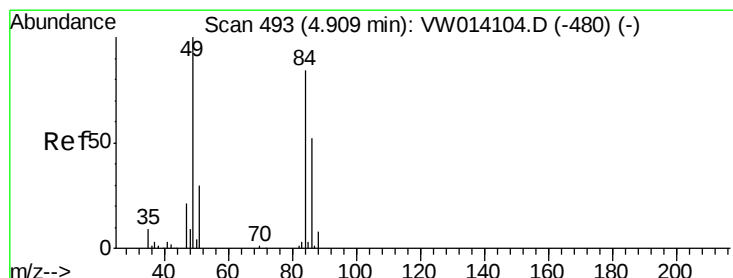
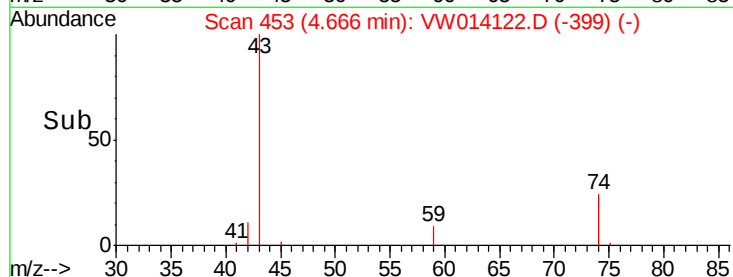
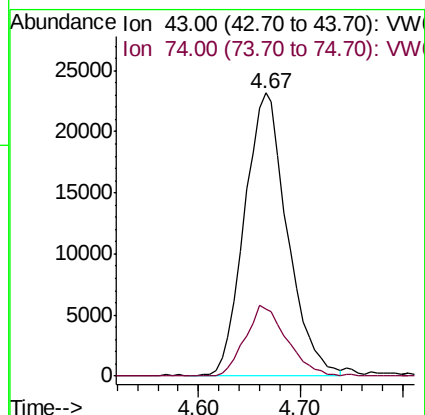
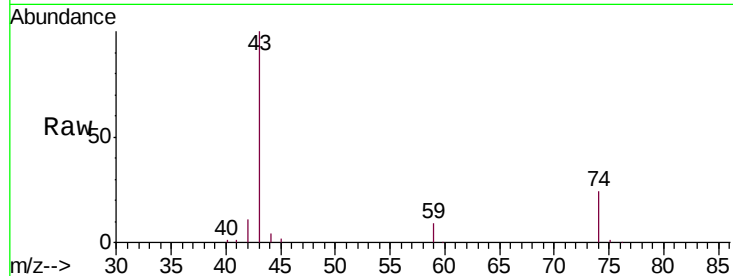




#15
Methyl Acetate
Concen: 30.847 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

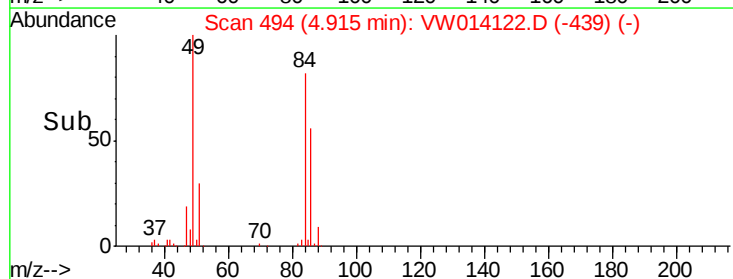
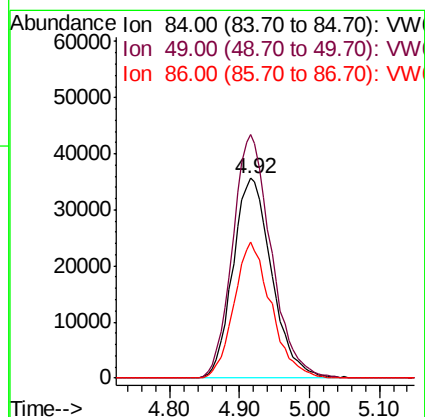
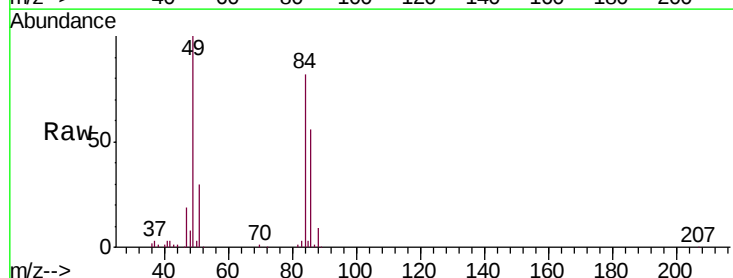
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

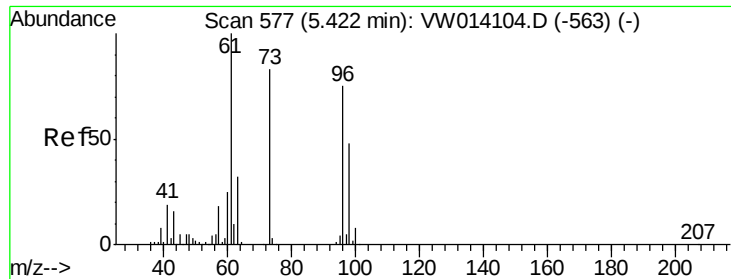
Tgt Ion: 43 Resp: 67783
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



#16
Methylene chloride
Concen: 24.816 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

Tgt Ion: 84 Resp: 137567
Ion Ratio Lower Upper
84 100
49 122.1 84.2 156.4
86 68.5 43.7 81.1

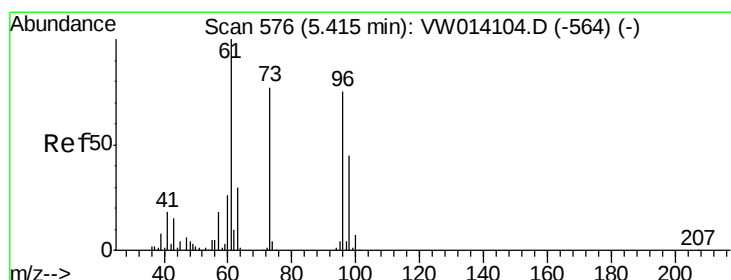
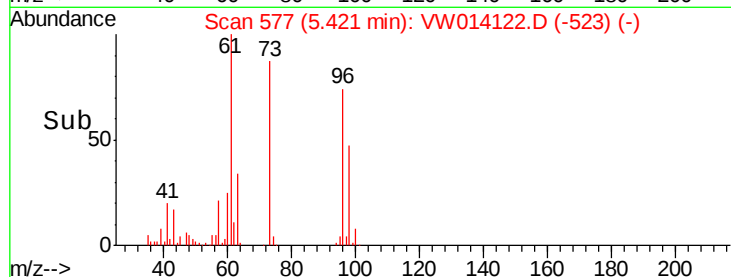
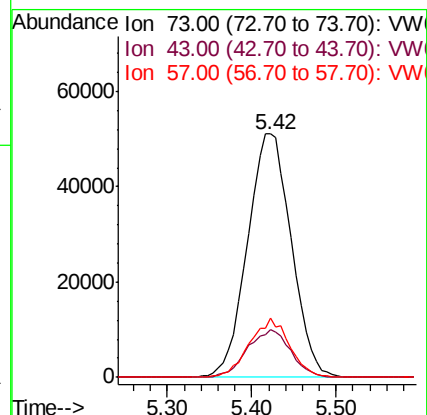
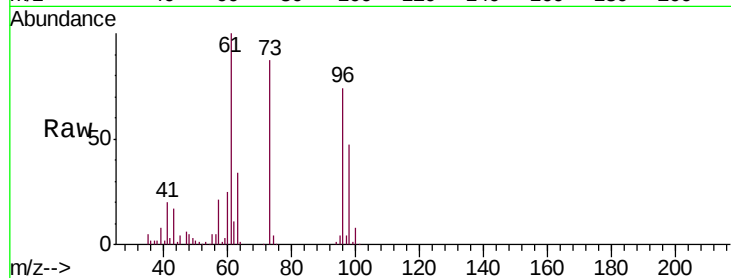




#17
Methyl tert-butyl Ether
Concen: 28.887 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

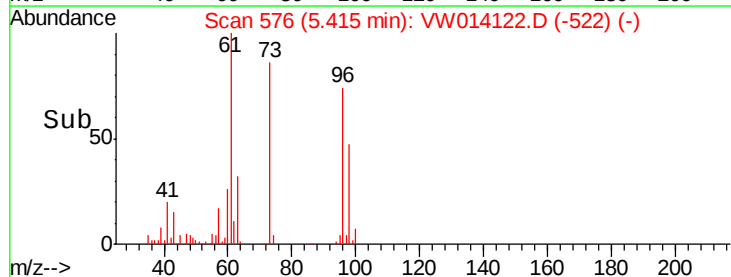
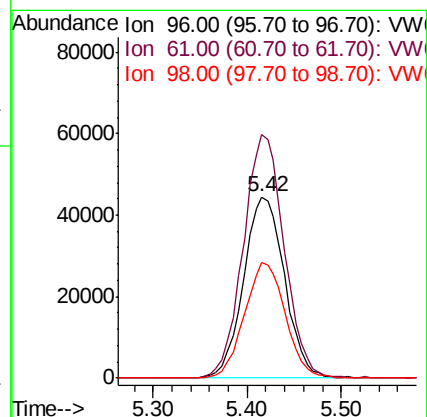
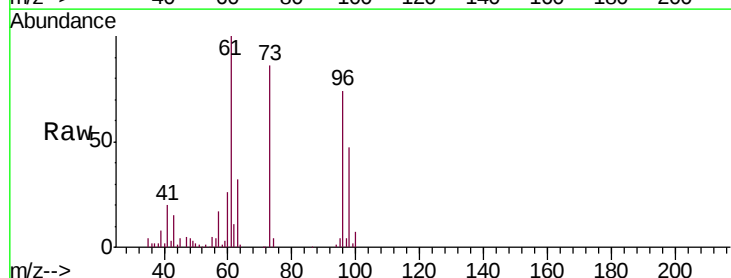
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

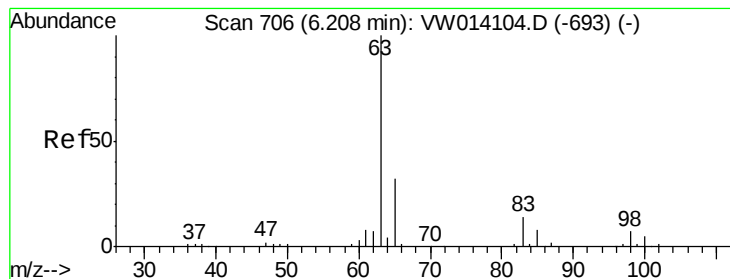
Tgt Ion: 73 Resp: 181154
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 22.2 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 26.643 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

Tgt Ion: 96 Resp: 135053
Ion Ratio Lower Upper
96 100
61 134.3 90.6 168.2
98 63.5 42.9 79.7





#19

1,1-Dichloroethane

Concen: 27.873 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

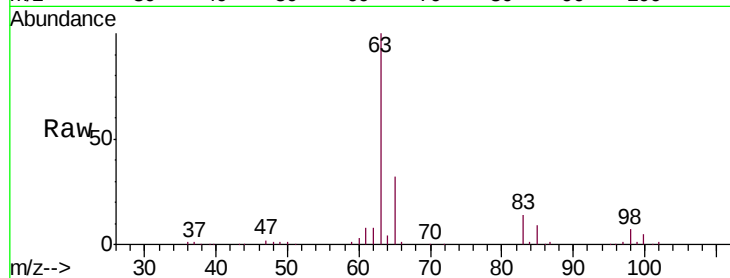
Tgt Ion: 63 Resp: 237990

Ion Ratio Lower Upper

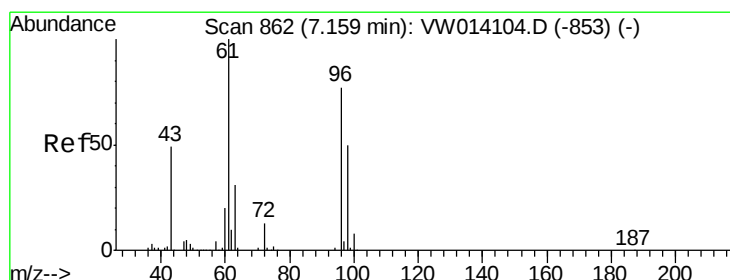
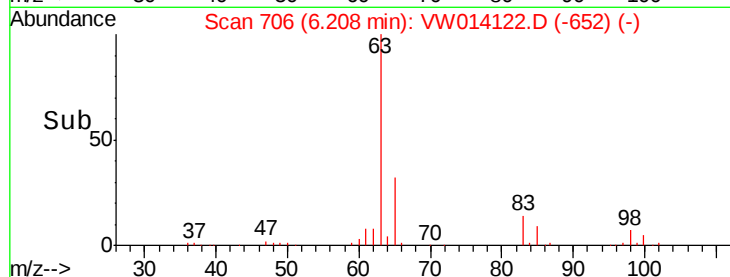
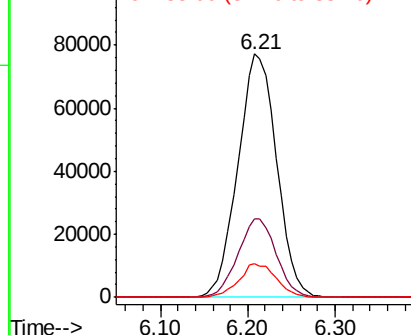
63 100

65 32.0 22.1 41.1

83 13.9 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 59.043 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW014122.D

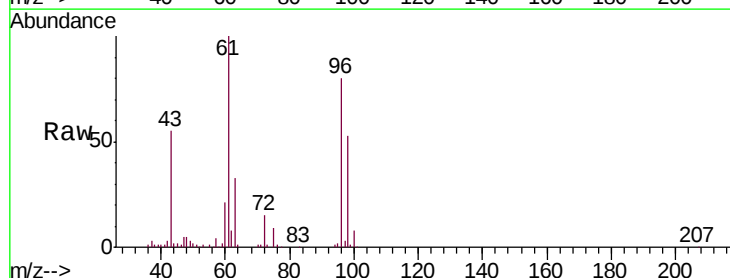
Acq: 25 Nov 2019 19:59

Tgt Ion: 43 Resp: 103021

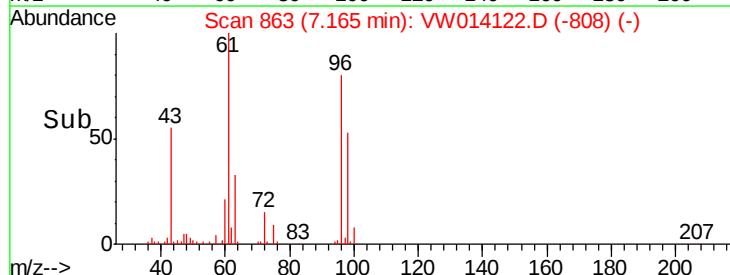
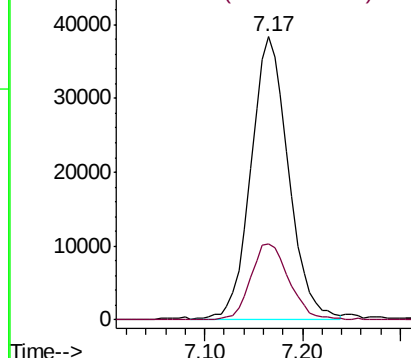
Ion Ratio Lower Upper

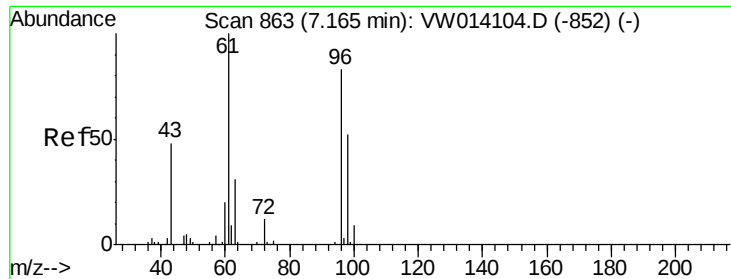
43 100

72 27.6 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

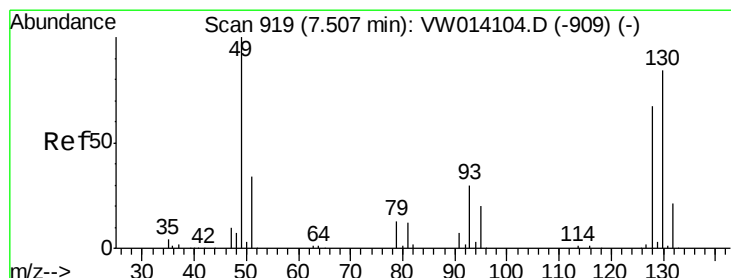
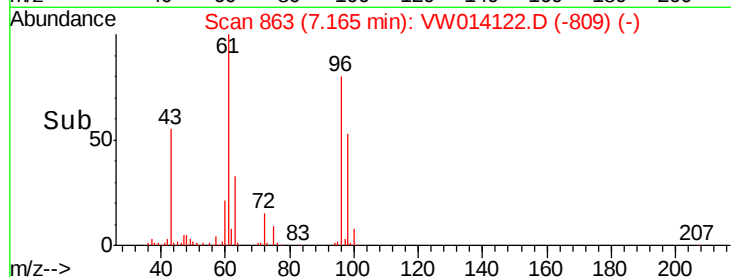
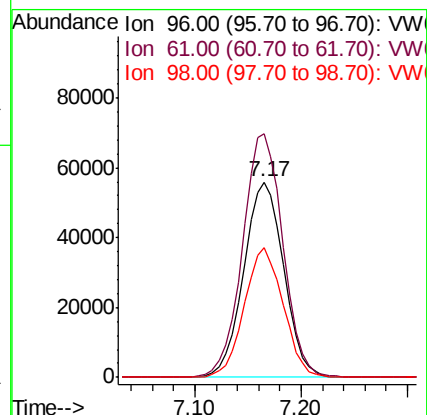
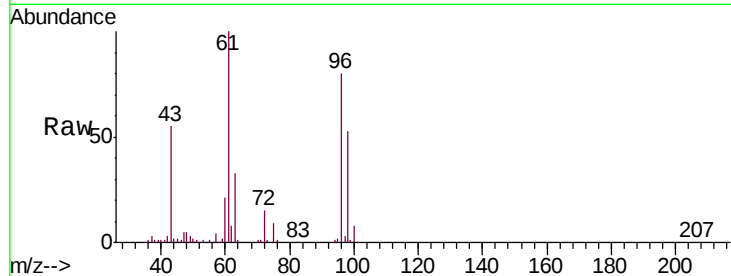




#22
 cis-1,2-Dichloroethene
 Concen: 27.647 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

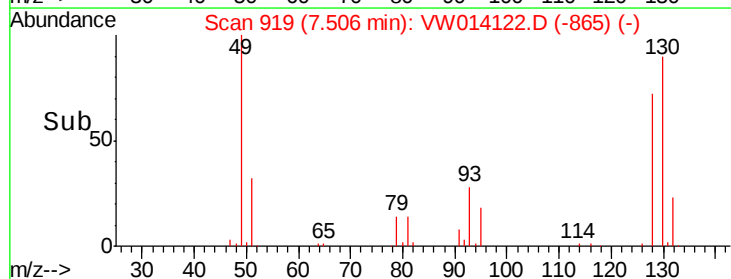
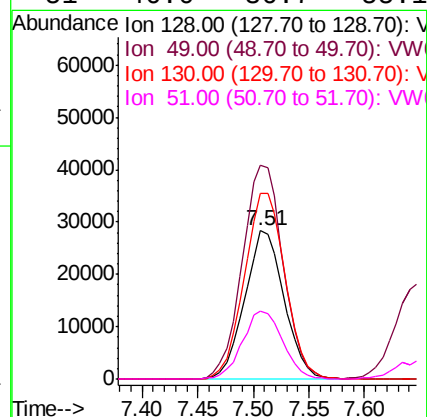
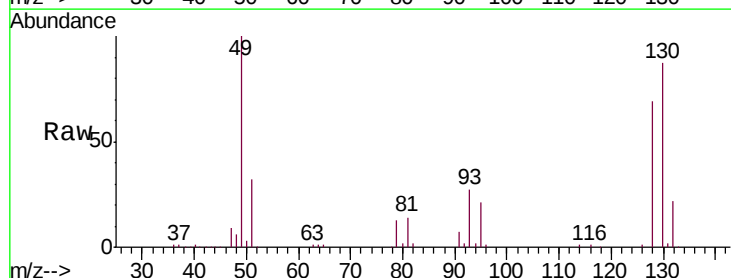
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

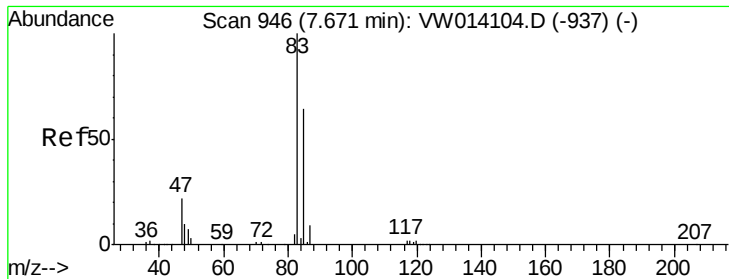
Tgt Ion: 96 Resp: 147475
 Ion Ratio Lower Upper
 96 100
 61 124.6 86.9 161.5
 98 66.2 45.5 84.5



#23
 Bromochloromethane
 Concen: 29.781 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion: 128 Resp: 69734
 Ion Ratio Lower Upper
 128 100
 49 144.1 95.1 176.5
 130 125.4 85.0 158.0
 51 46.0 36.7 55.1





#25

Chloroform

Concen: 29.407 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

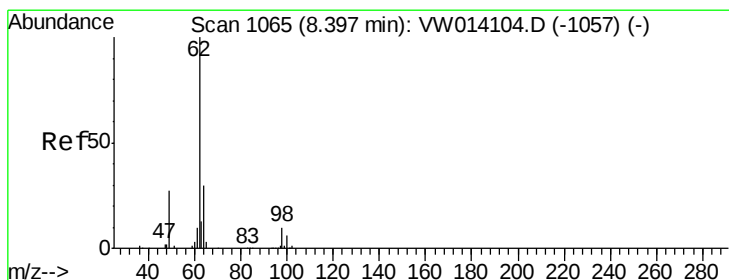
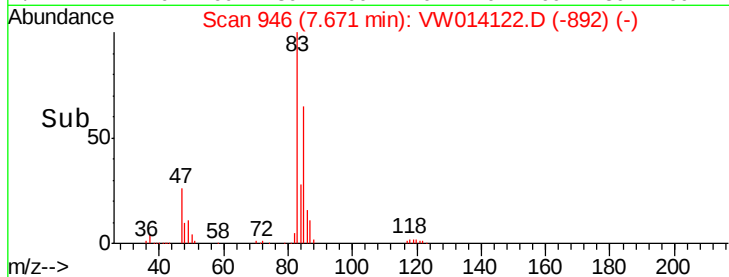
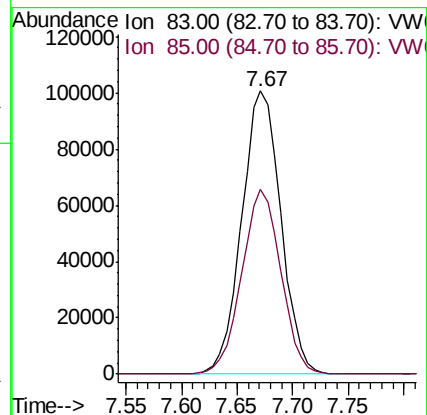
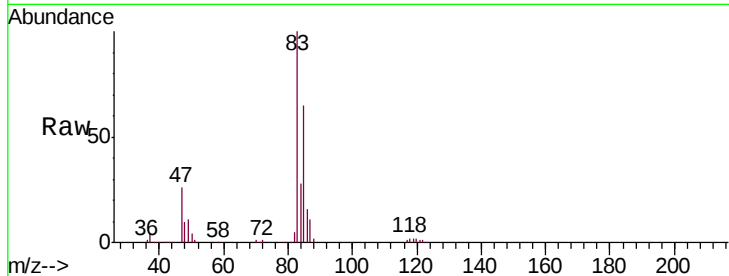
VSTD02520

Tgt Ion: 83 Resp: 246571

Ion Ratio Lower Upper

83 100

85 65.3 46.1 85.7



#27

1,2-Dichloroethane

Concen: 31.586 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW014122.D

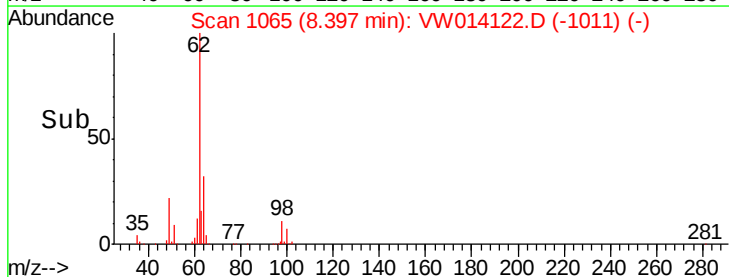
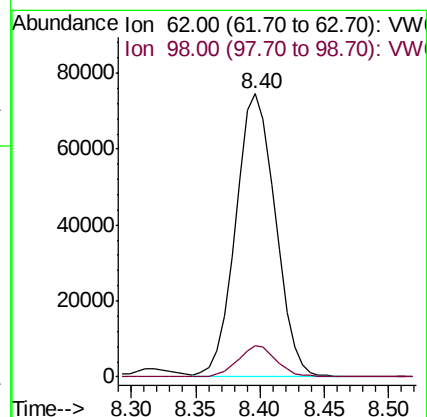
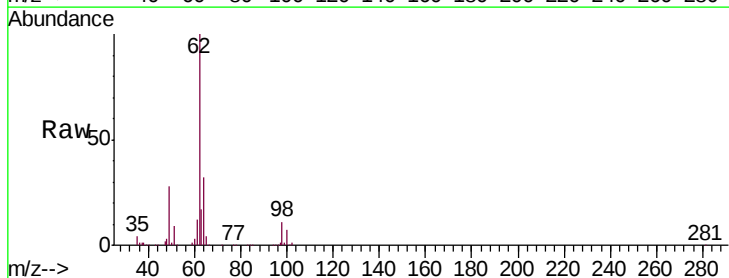
Acq: 25 Nov 2019 19:59

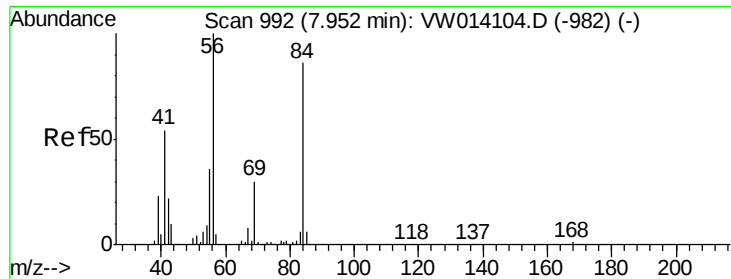
Tgt Ion: 62 Resp: 160345

Ion Ratio Lower Upper

62 100

98 11.0 9.3 13.9

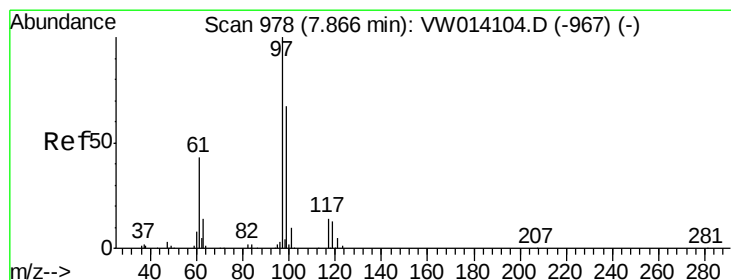
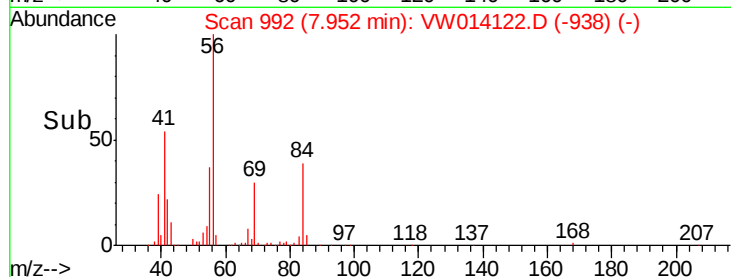
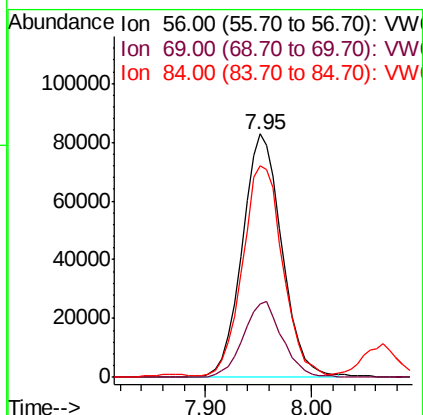
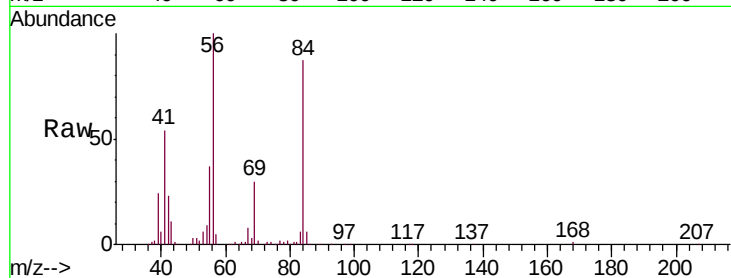




#30
Cyclohexane
Concen: 23.679 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

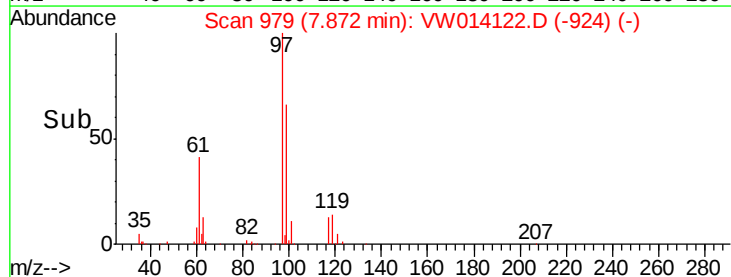
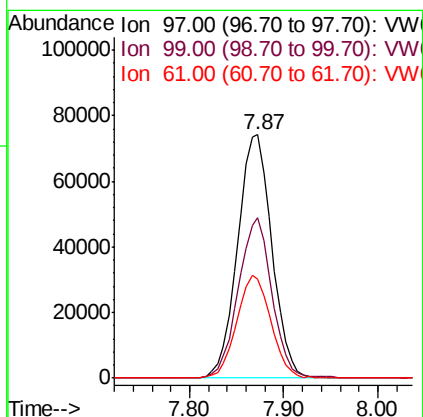
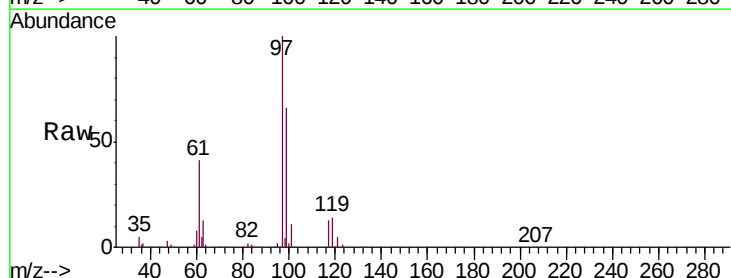
Instrument :
MSVOA_W
ClientSampled :
VSTD02520

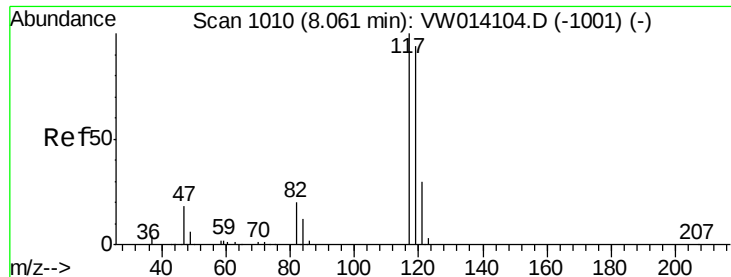
Tgt Ion: 56 Resp: 215803
Ion Ratio Lower Upper
56 100
69 30.6 24.6 37.0
84 89.2 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 26.458 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

Tgt Ion: 97 Resp: 188826
Ion Ratio Lower Upper
97 100
99 64.1 51.1 76.7
61 41.8 32.8 49.2





#32

Carbon tetrachloride

Concen: 26.420 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

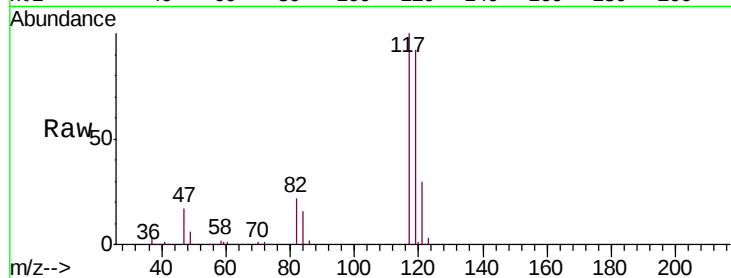
VSTD02520

Tgt Ion:117 Resp: 181004

Ion Ratio Lower Upper

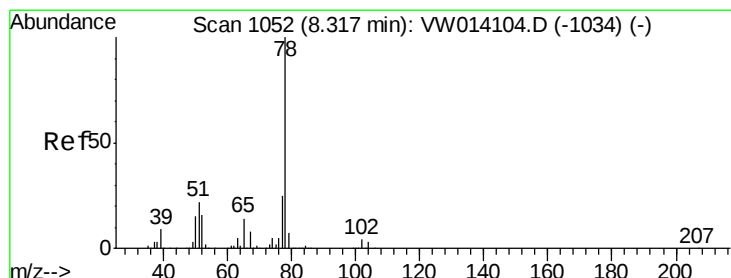
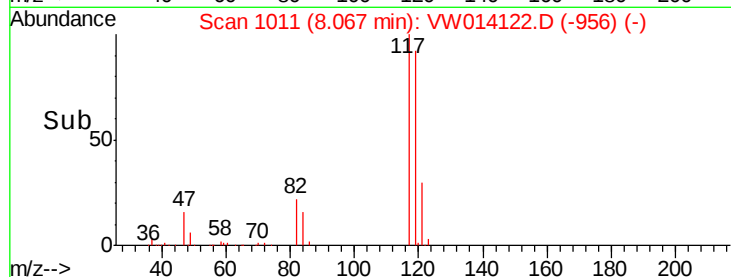
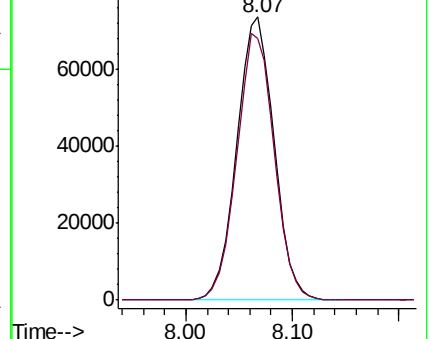
117 100

119 94.7 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: 26.603 ug/L

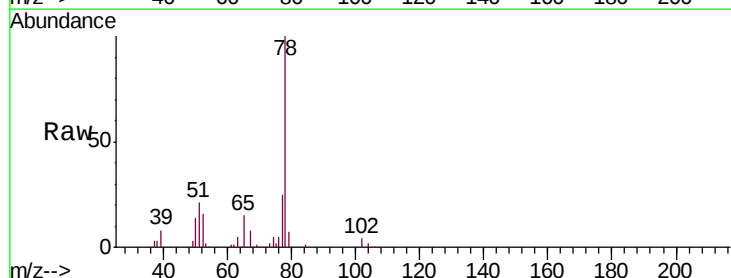
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

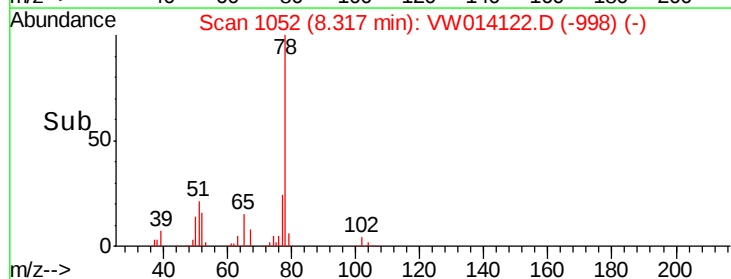
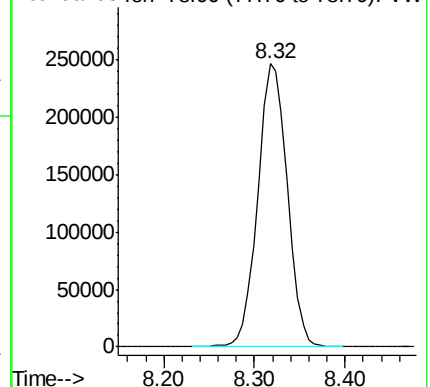
Lab File: VW014122.D

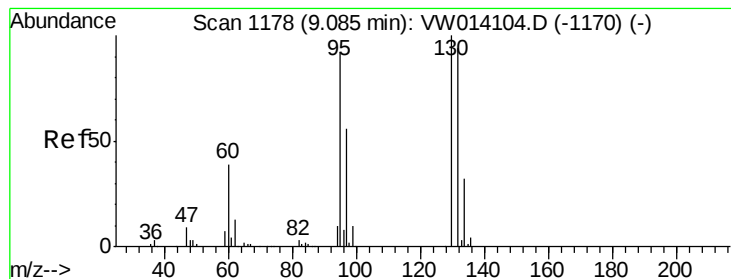
Acq: 25 Nov 2019 19:59

Tgt Ion: 78 Resp: 555707



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.143 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

Tgt Ion: 95 Resp: 145671

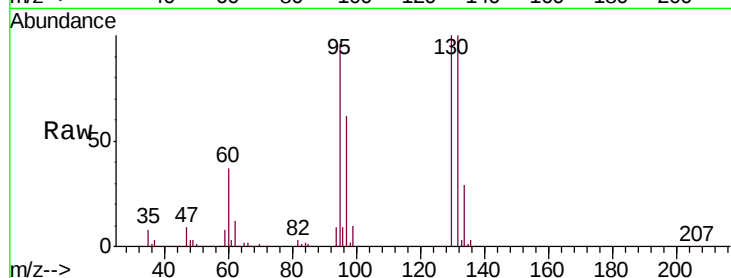
Ion Ratio Lower Upper

95 100

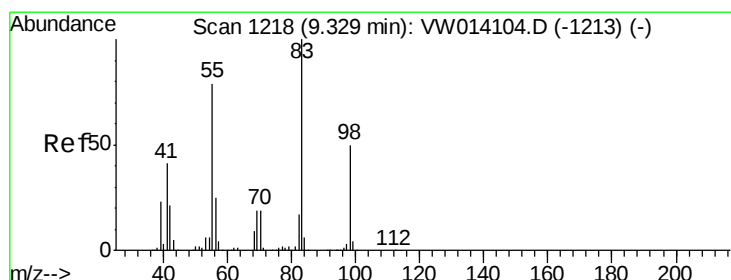
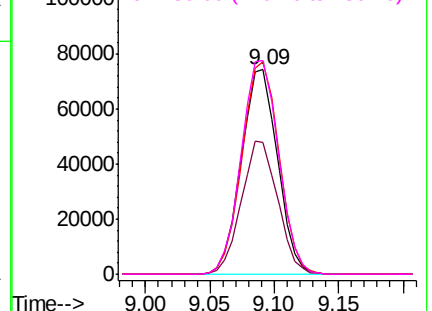
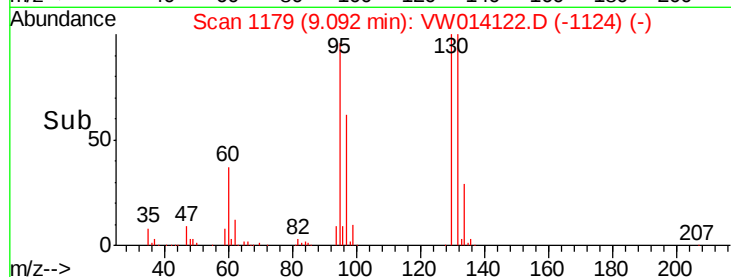
97 64.9 45.1 83.9

132 105.2 73.7 136.9

130 107.3 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: 23.860 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

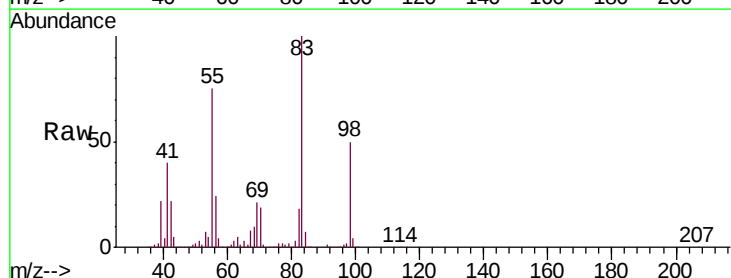
Tgt Ion: 83 Resp: 238380

Ion Ratio Lower Upper

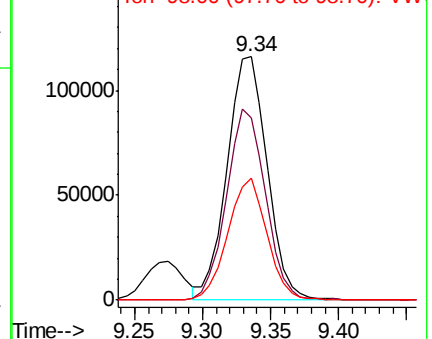
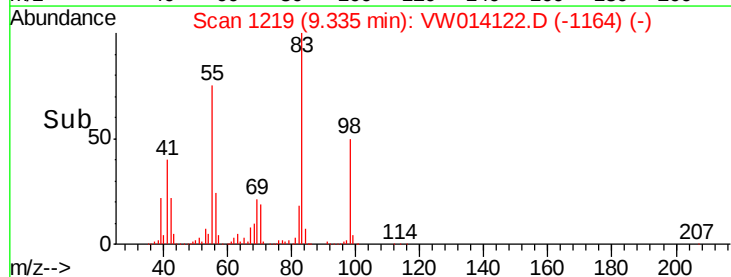
83 100

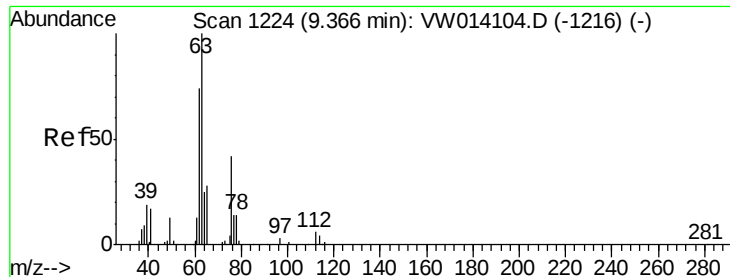
55 76.2 59.8 89.8

98 48.9 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

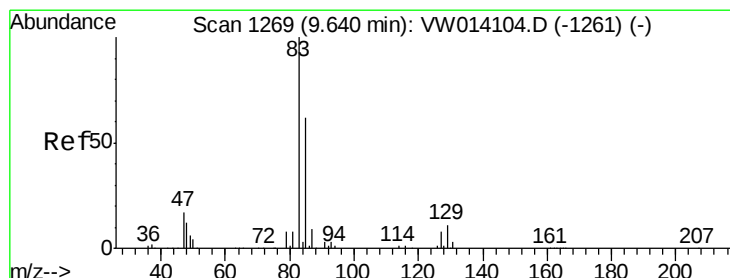
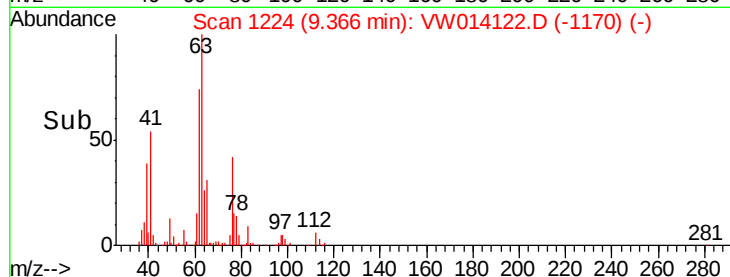
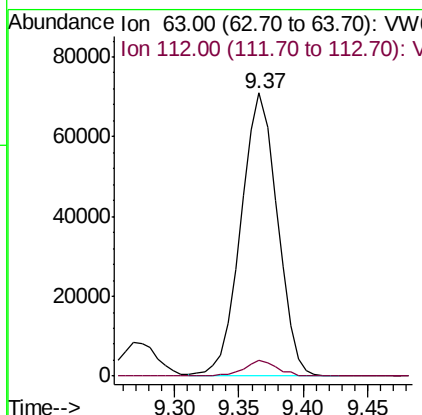
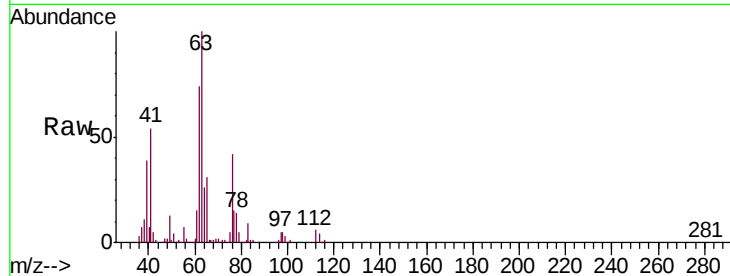




#40
 1,2-Dichloropropane
 Concen: 27.628 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

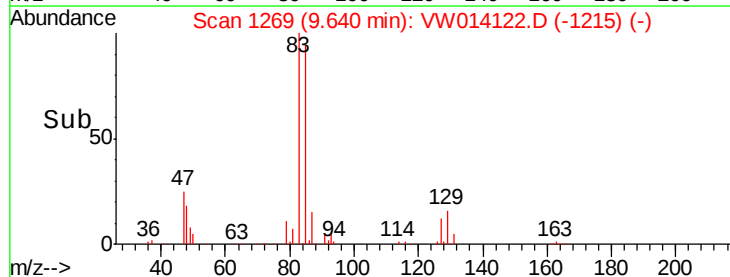
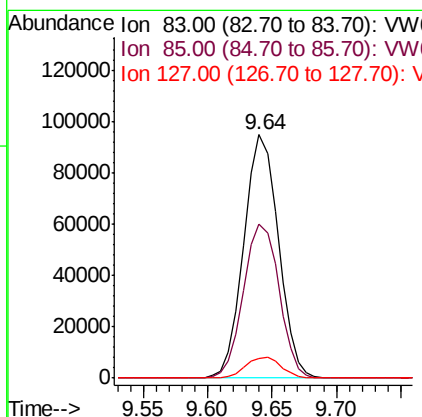
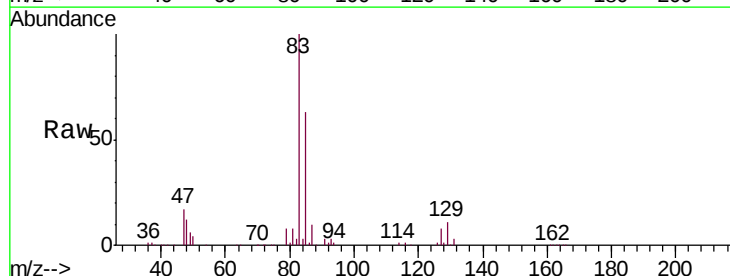
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

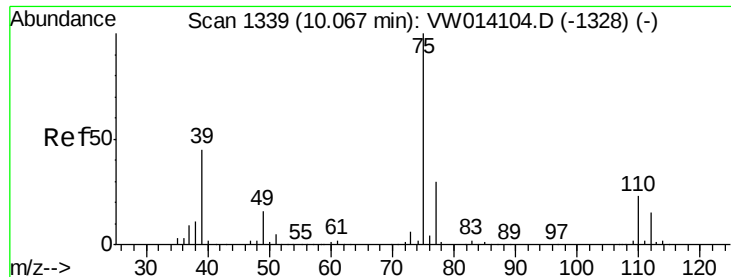
Tgt Ion: 63 Resp: 138927
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 29.101 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion: 83 Resp: 176906
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.1 83.7
 127 8.3 7.4 11.0

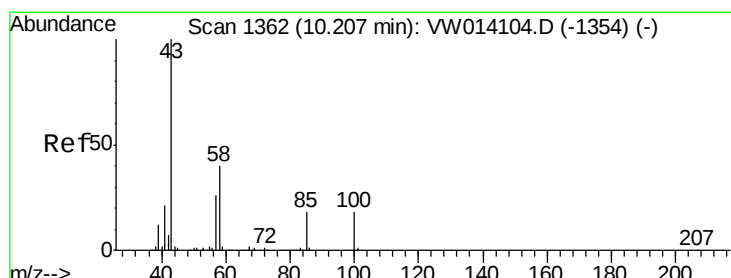
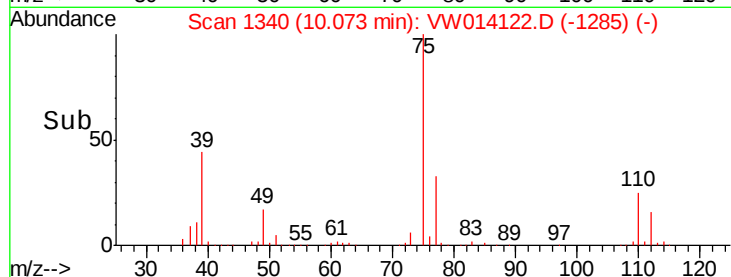
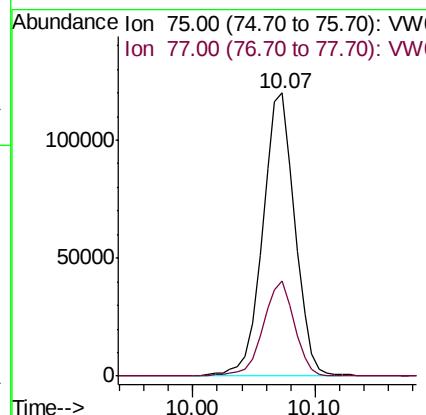
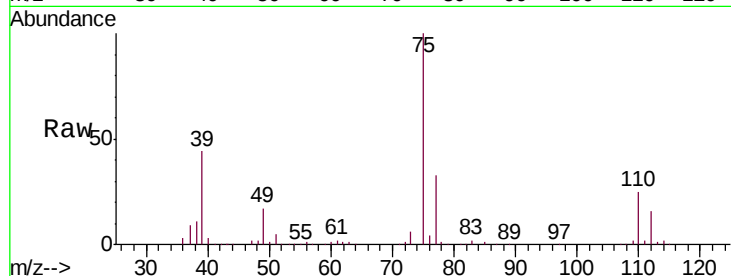




#42
 cis-1,3-Dichloropropene
 Concen: 27.658 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.01 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

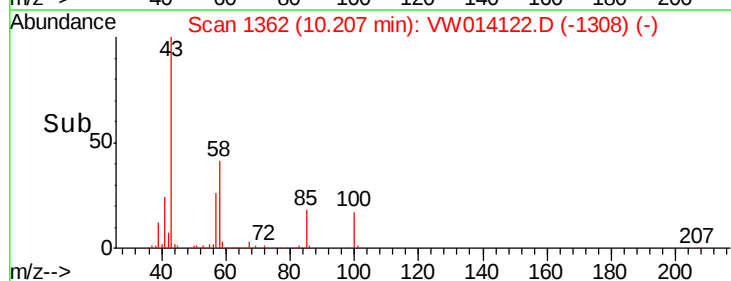
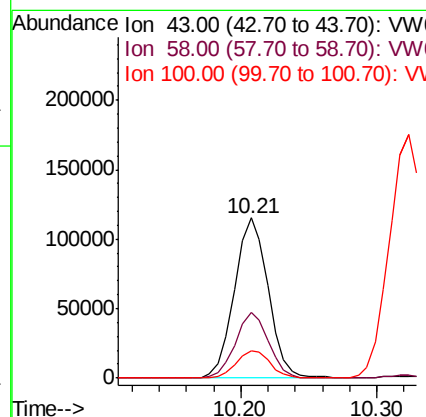
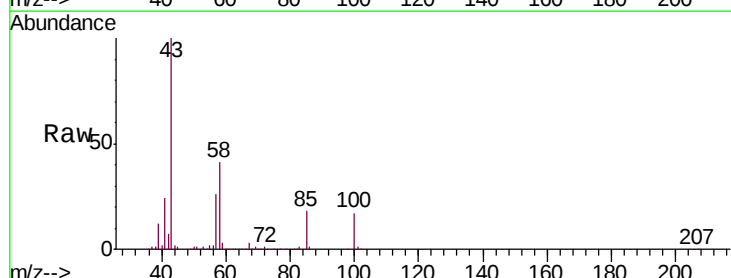
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

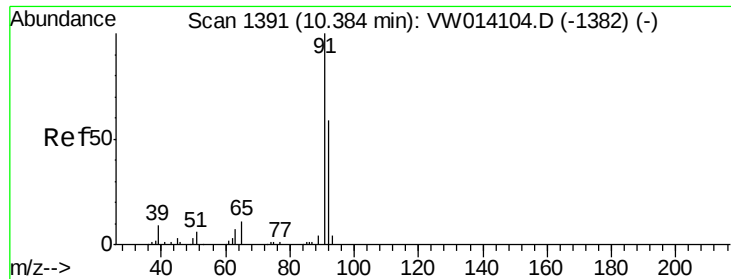
Tgt Ion: 75 Resp: 219480
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.1 41.1



#43
 4-Methyl-2-pentanone
 Concen: 59.697 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion: 43 Resp: 198199
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.6 49.0
 100 17.4 13.8 20.8





#44

Toluene

Concen: 26.442 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

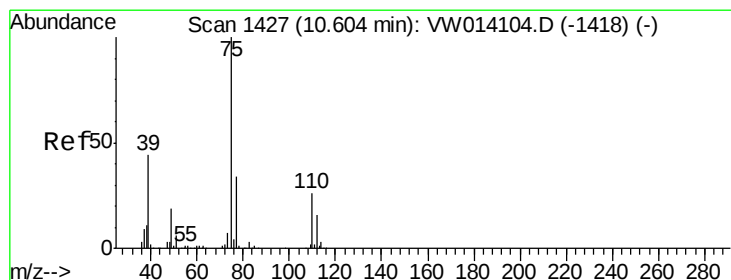
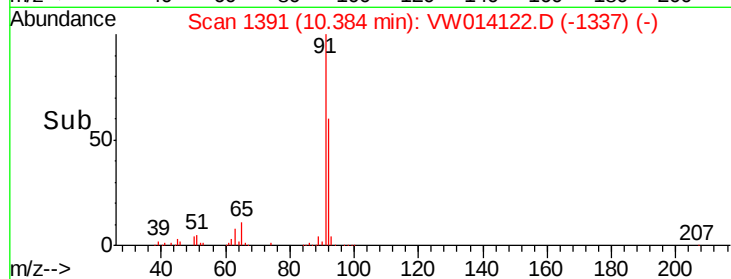
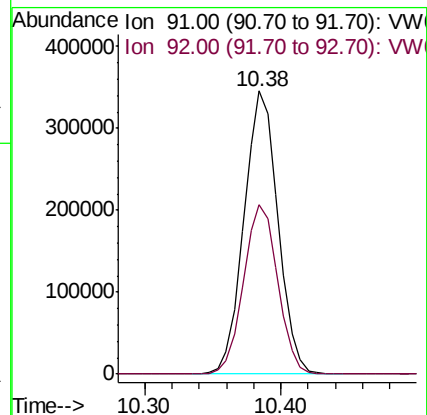
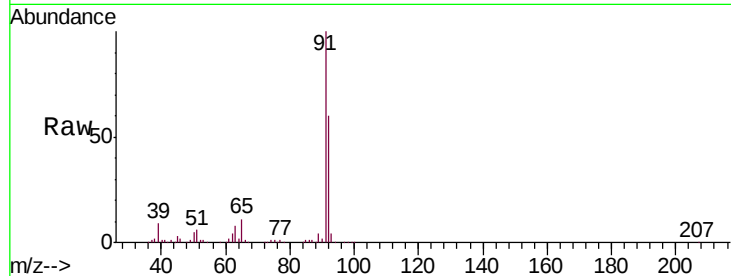
VSTD02520

Tgt Ion: 91 Resp: 602206

Ion Ratio Lower Upper

91 100

92 60.0 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 28.982 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014122.D

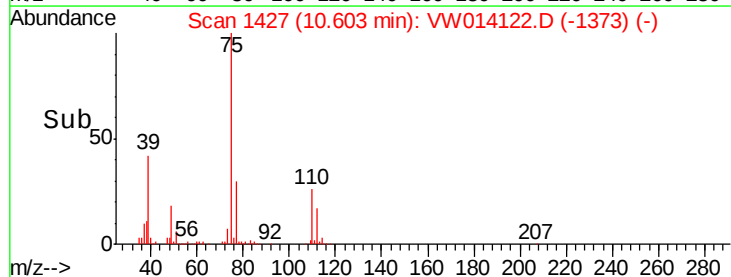
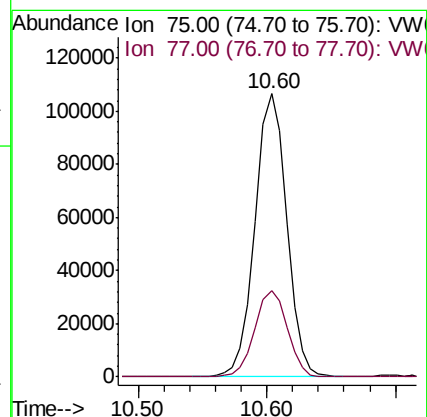
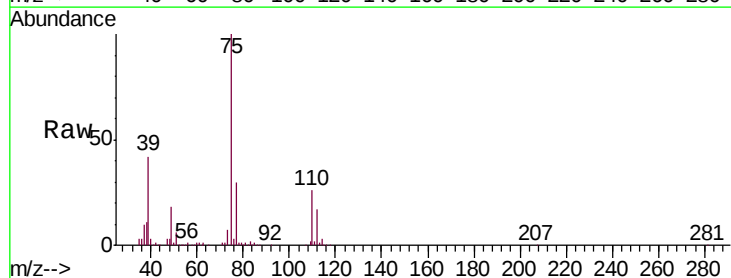
Acq: 25 Nov 2019 19:59

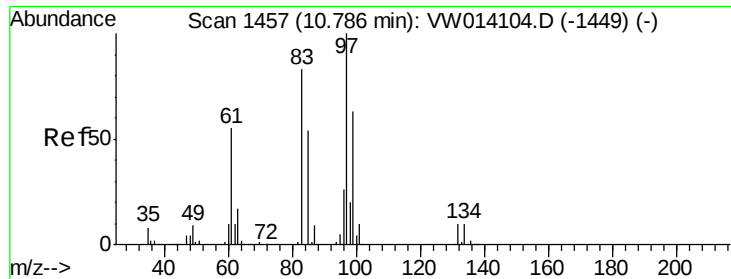
Tgt Ion: 75 Resp: 181869

Ion Ratio Lower Upper

75 100

77 30.4 21.8 40.6

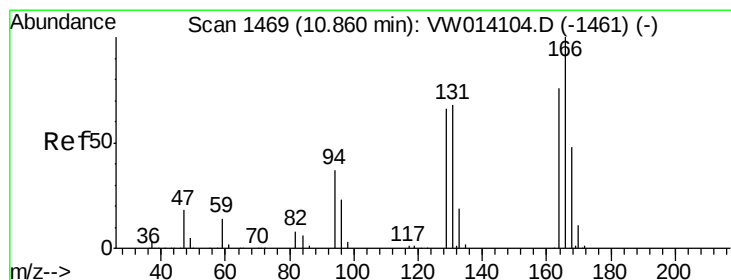
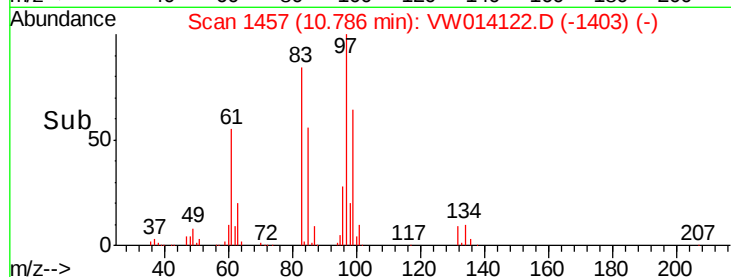
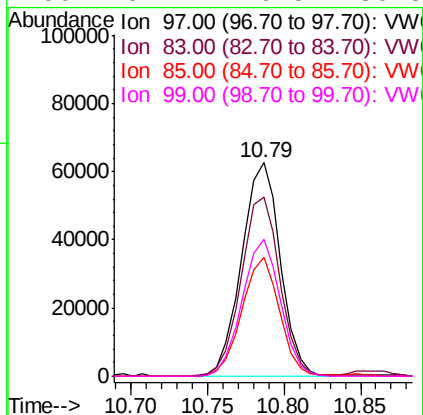
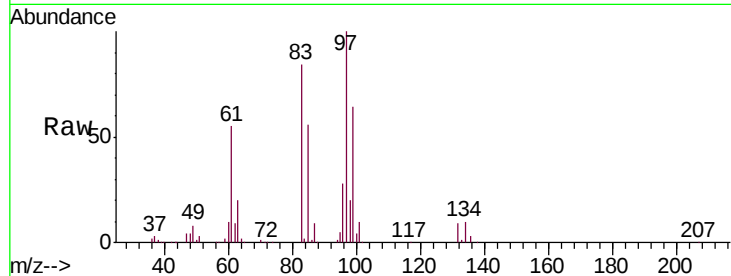




#46
 1,1,2-Trichloroethane
 Concen: 29.903 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

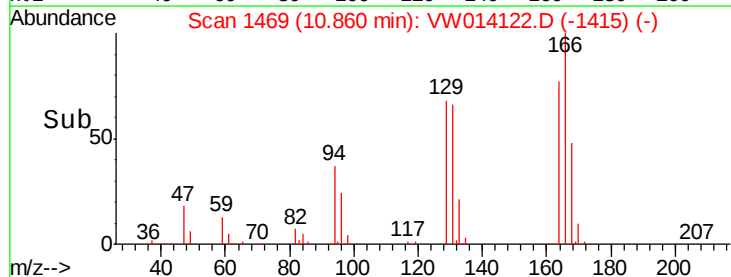
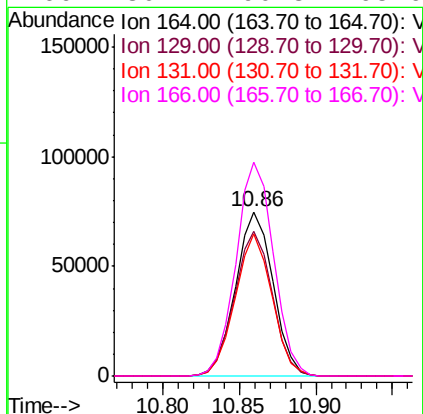
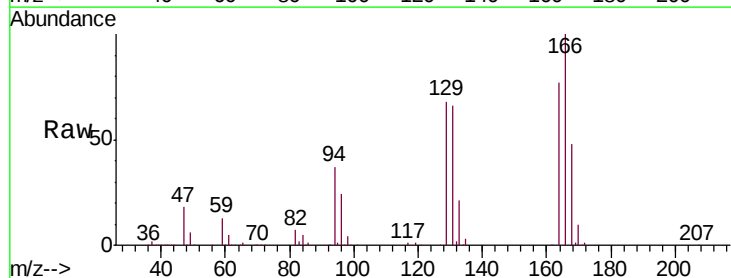
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

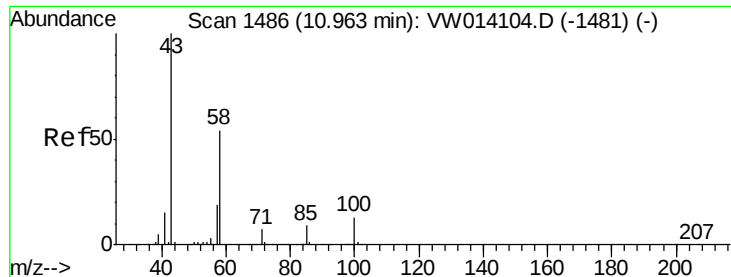
Tgt Ion: 97 Resp: 110483
 Ion Ratio Lower Upper
 97 100
 83 83.8 58.9 109.5
 85 55.6 38.1 70.9
 99 64.2 46.5 86.3



#47
 Tetrachloroethene
 Concen: 25.699 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion: 164 Resp: 127637
 Ion Ratio Lower Upper
 164 100
 129 88.3 60.6 112.6
 131 86.4 59.1 109.7
 166 130.4 90.8 168.6

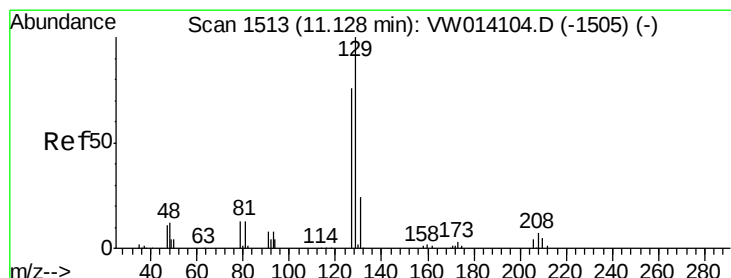
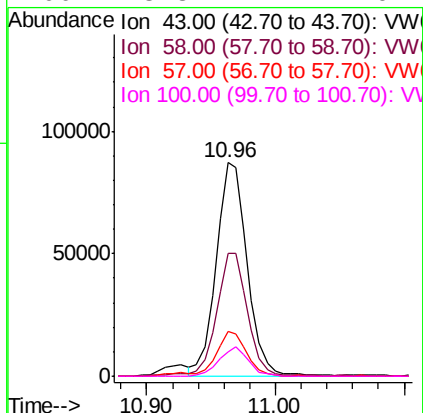
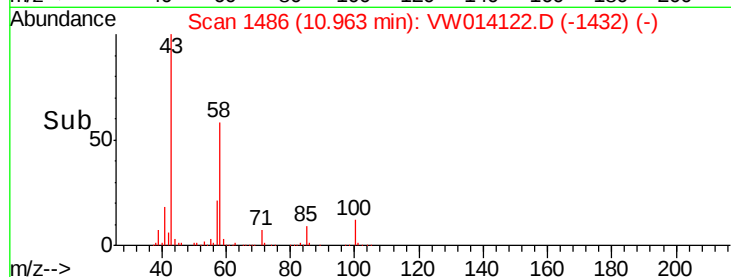
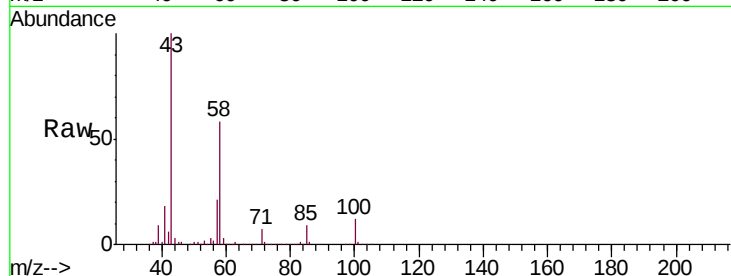




#49
2-Hexanone
Concen: 61.660 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

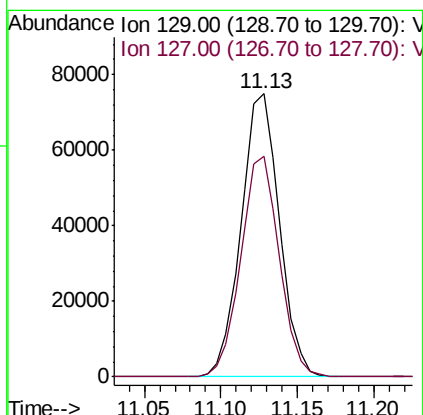
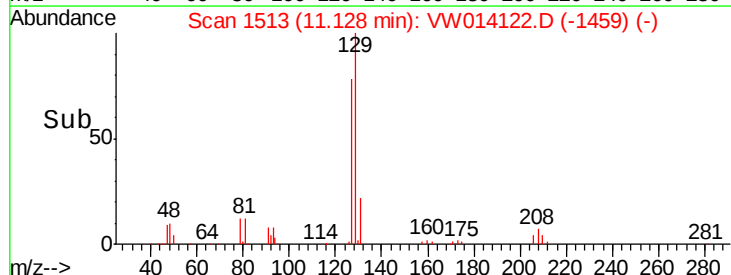
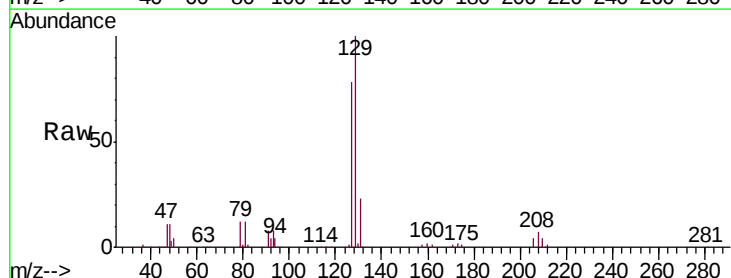
Instrument :
MSVOA_W
ClientSampleId :
VSTD02520

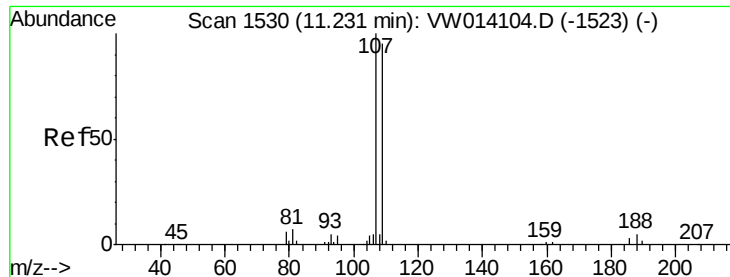
Tgt Ion:	43	Resp:	147591
Ion	Ratio	Lower	Upper
43	100		
58	56.8	44.4	66.6
57	19.9	16.5	24.7
100	13.3	11.1	16.7



#50
Dibromochloromethane
Concen: 30.063 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014122.D
Acq: 25 Nov 2019 19:59

Tgt Ion:	129	Resp:	130557
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.9	102.1





#51

1,2-Dibromoethane

Concen: 29.661 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

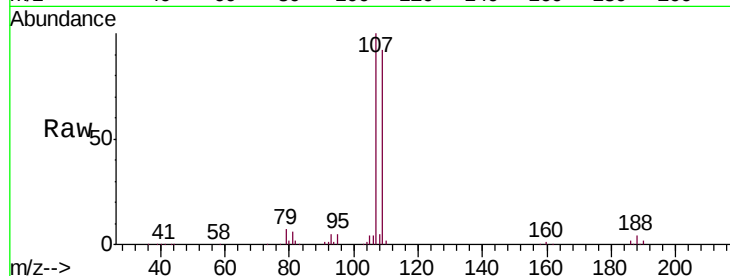
Tgt Ion:107 Resp: 106331

Ion Ratio Lower Upper

107 100

109 92.1 64.6 120.0

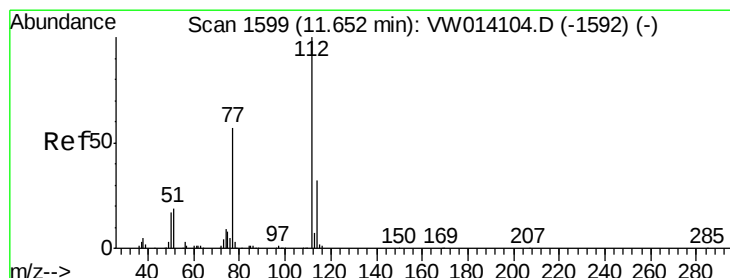
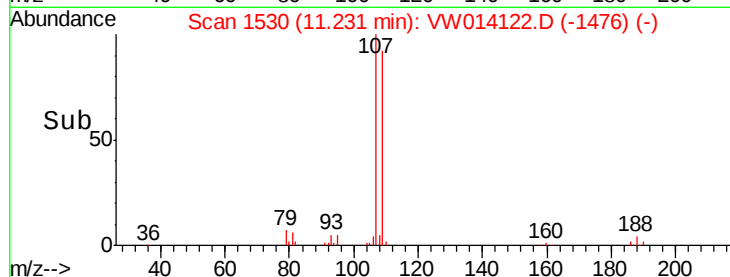
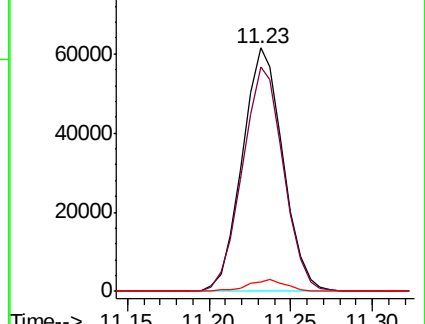
188 4.1 3.9 5.9



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: 26.998 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

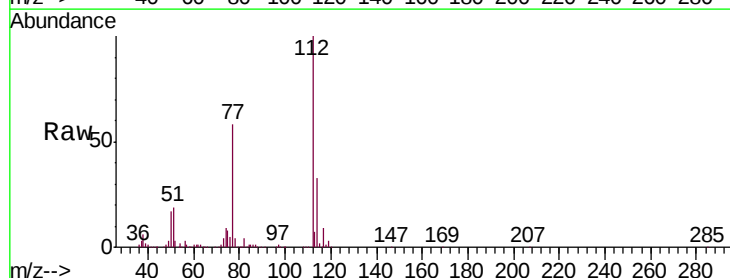
Tgt Ion:112 Resp: 385471

Ion Ratio Lower Upper

112 100

77 57.6 42.2 63.4

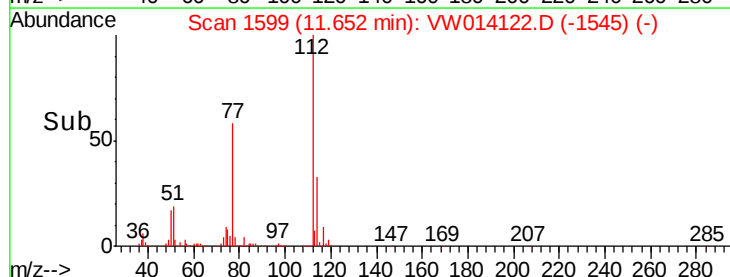
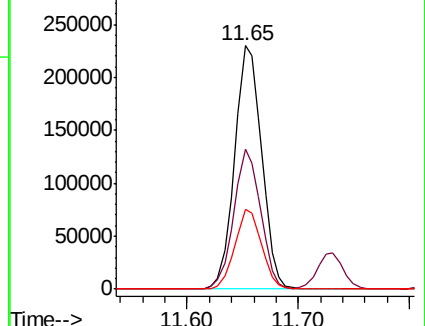
114 32.6 22.5 41.9

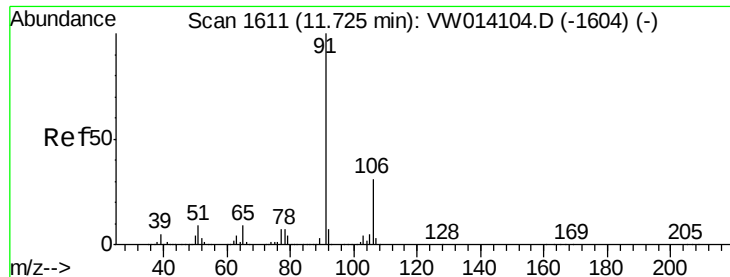


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.939 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

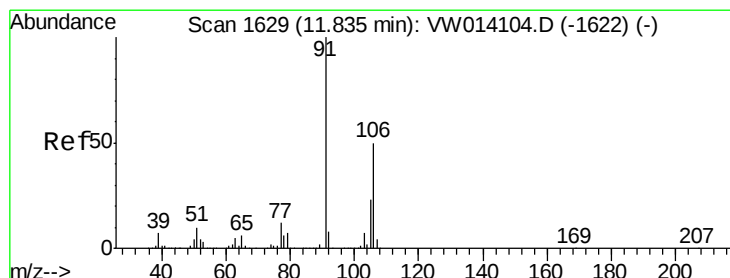
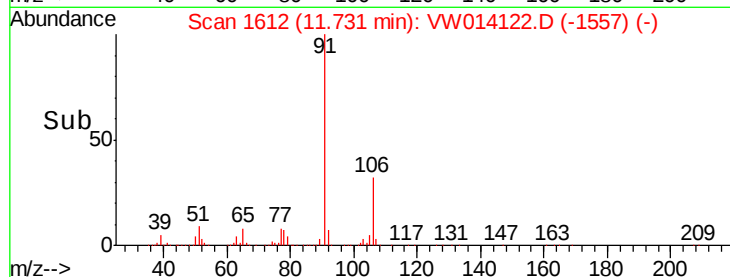
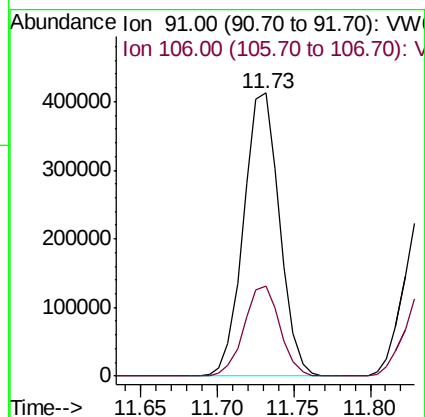
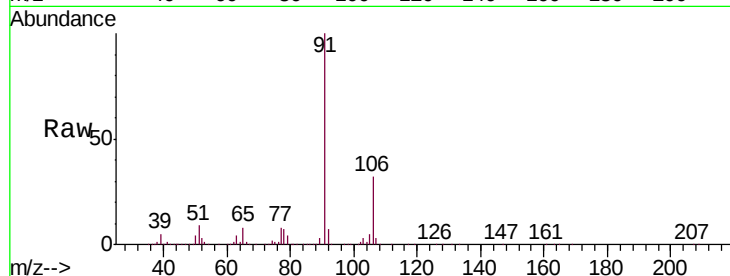
VSTD02520

Tgt Ion: 91 Resp: 673259

Ion Ratio Lower Upper

91 100

106 31.7 22.3 41.5



#54

m,p-Xylene

Concen: 27.089 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014122.D

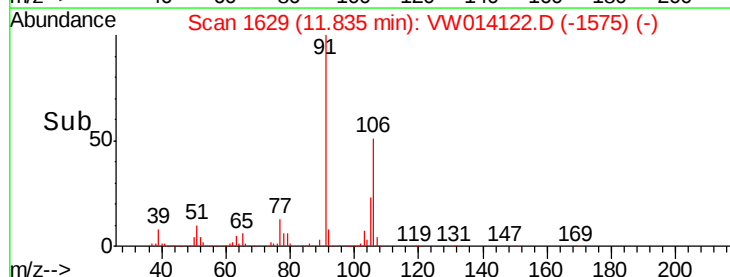
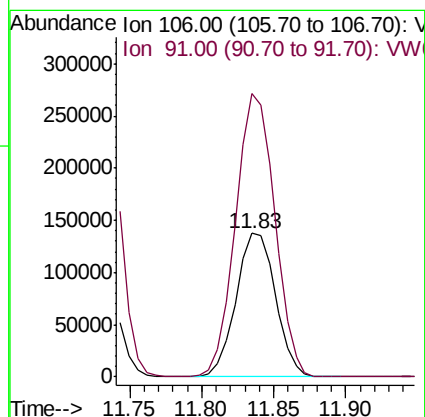
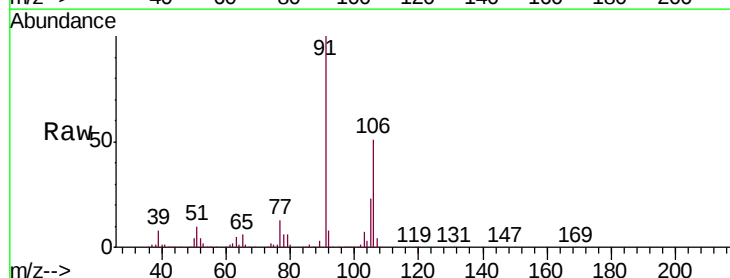
Acq: 25 Nov 2019 19:59

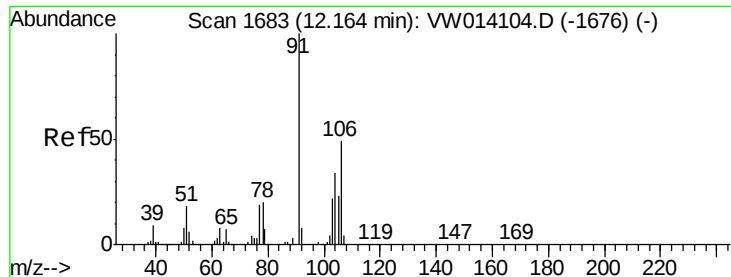
Tgt Ion: 106 Resp: 263096

Ion Ratio Lower Upper

106 100

91 197.3 138.7 257.5





#55

o-xylene

Concen: 27.396 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

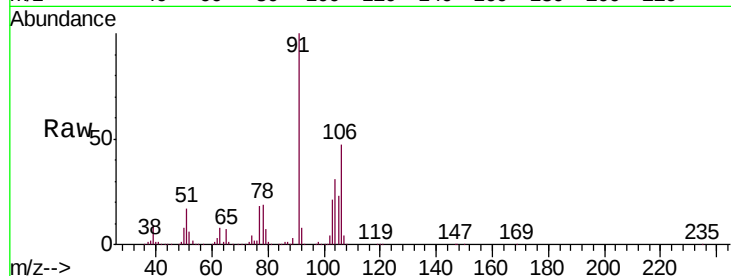
VSTD02520

Tgt Ion:106 Resp: 249169

Ion Ratio Lower Upper

106 100

91 212.9 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

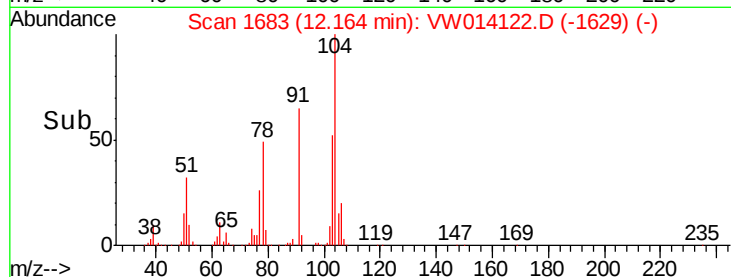
300000

200000

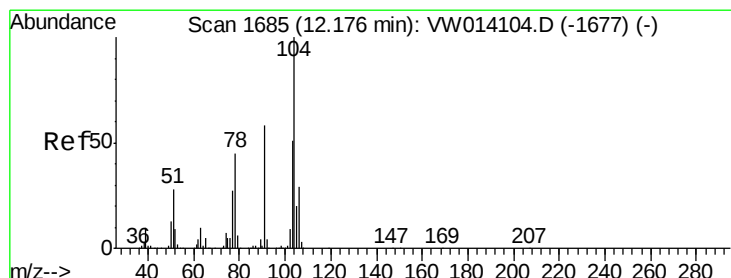
100000

0

12.10 12.15 12.20



Time-->



#56

Styrene

Concen: 28.758 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014122.D

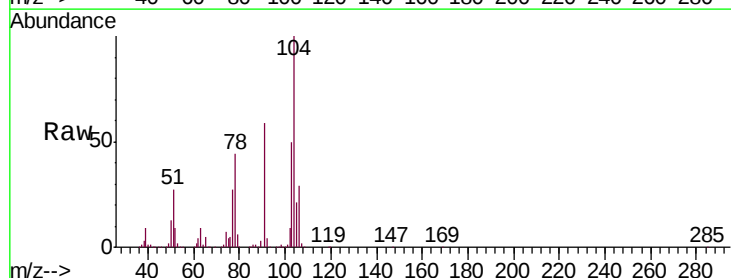
Acq: 25 Nov 2019 19:59

Tgt Ion:104 Resp: 441838

Ion Ratio Lower Upper

104 100

78 44.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

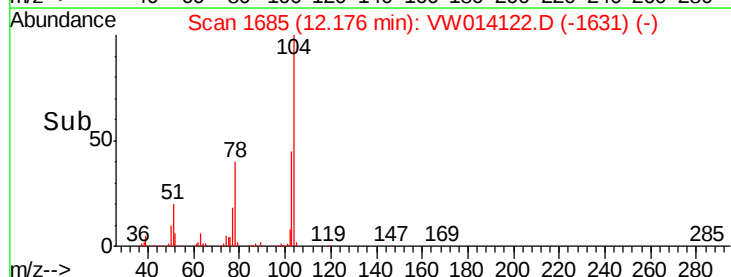
150000

100000

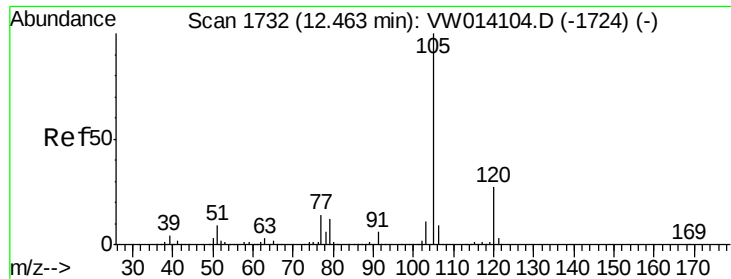
50000

0

12.10 12.20



Time-->



#57

Isopropylbenzene

Concen: 26.862 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

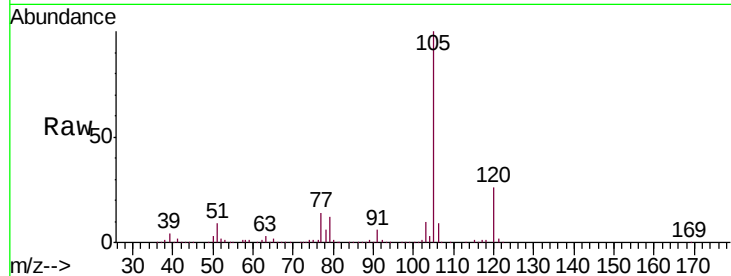
Tgt Ion: 105 Resp: 671727

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

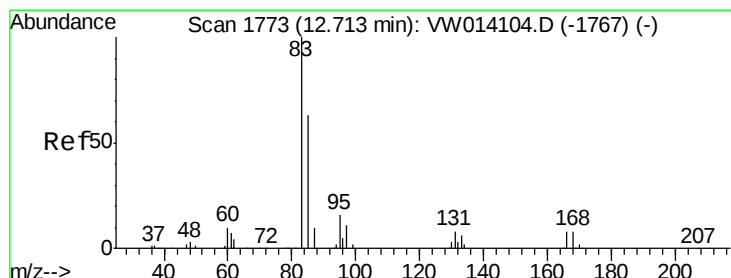
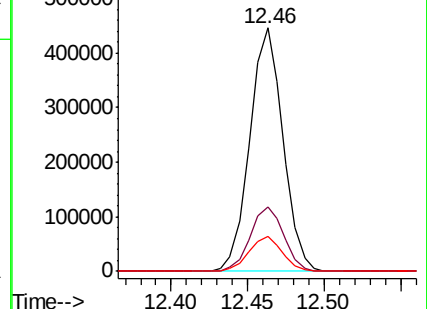
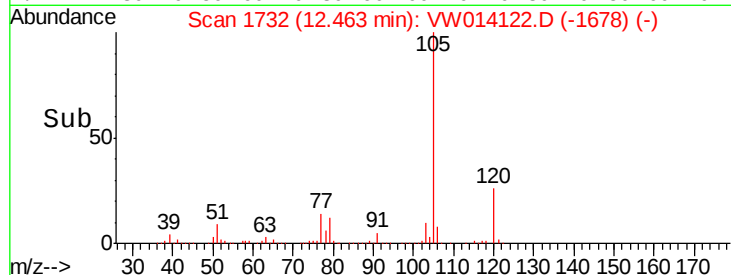
77 14.4 11.6 17.4



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



#58

1,1,2,2-Tetrachloroethane

Concen: 31.440 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

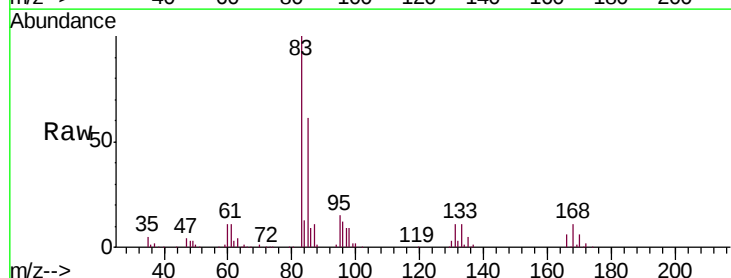
Tgt Ion: 83 Resp: 135621

Ion Ratio Lower Upper

83 100

85 61.4 43.7 81.1

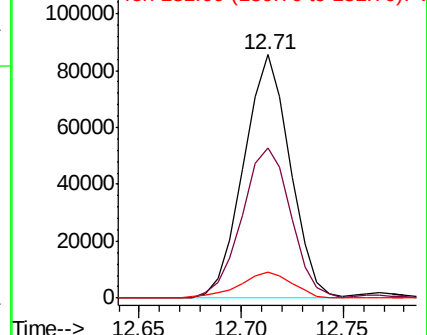
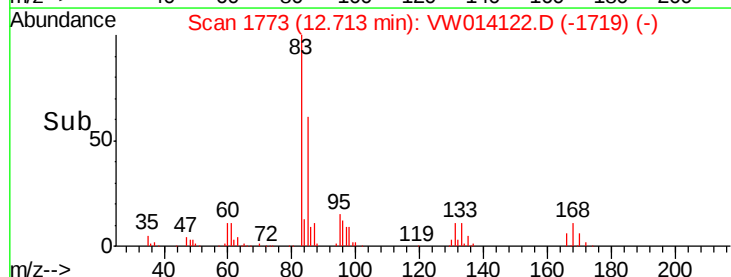
131 10.8 8.2 12.2

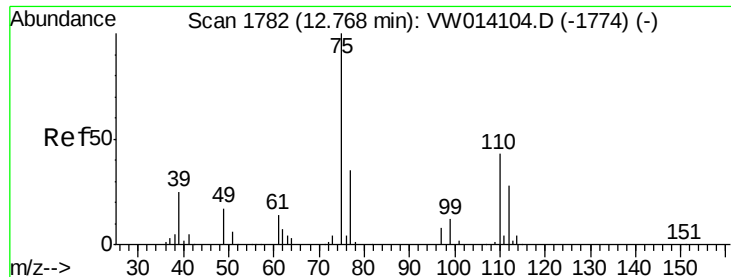


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 31.140 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

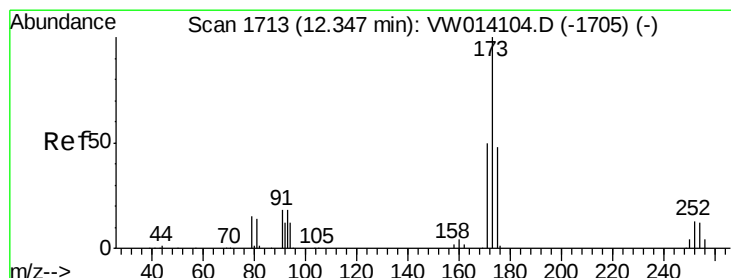
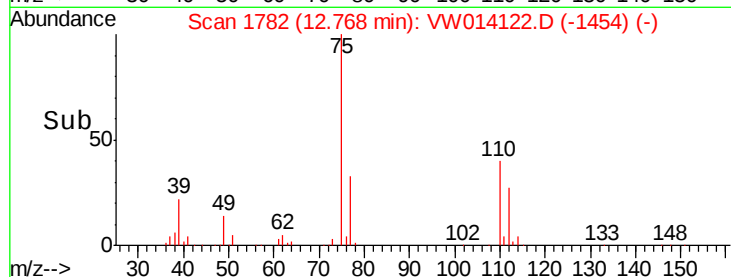
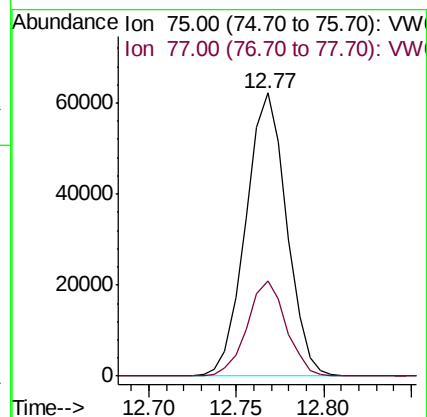
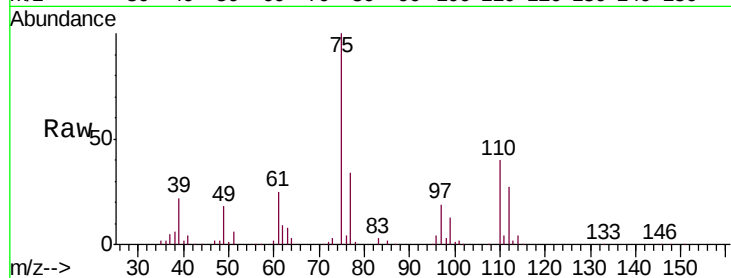
VSTD02520

Tgt Ion: 75 Resp: 101026

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 28.288 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

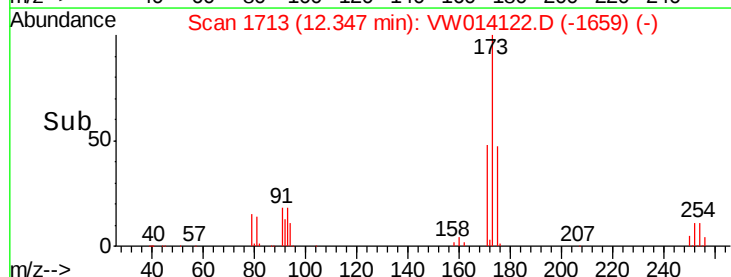
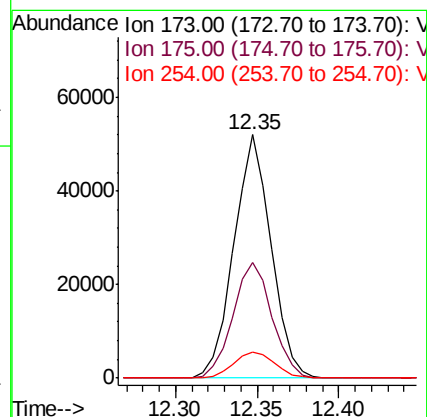
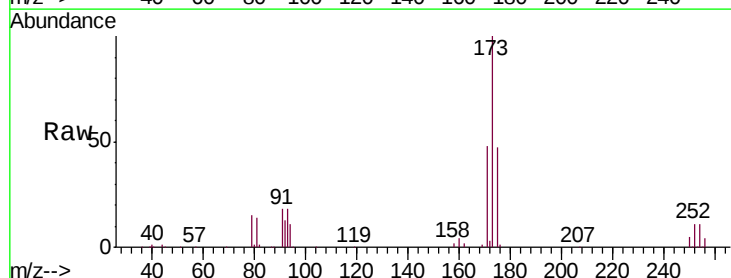
Tgt Ion: 173 Resp: 82578

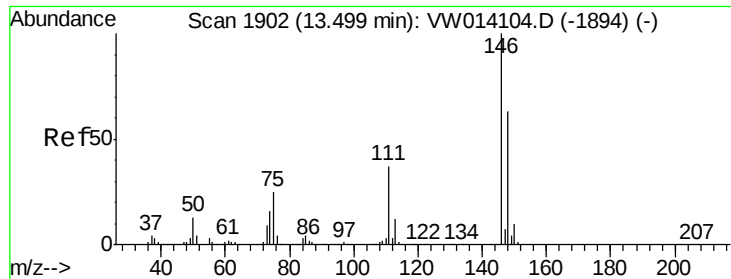
Ion Ratio Lower Upper

173 100

175 49.9 38.8 58.2

254 11.9 9.4 14.0

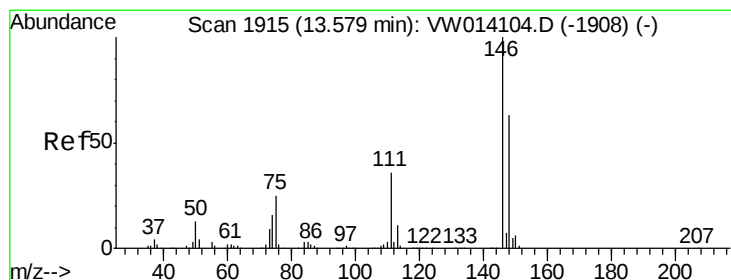
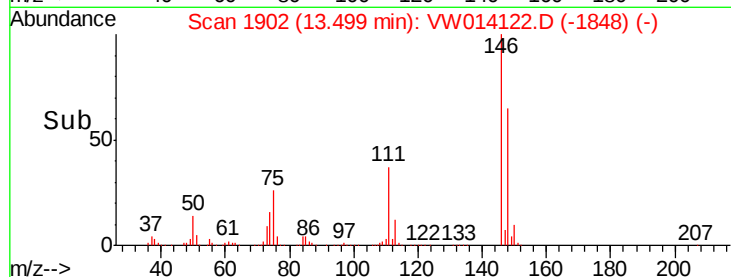
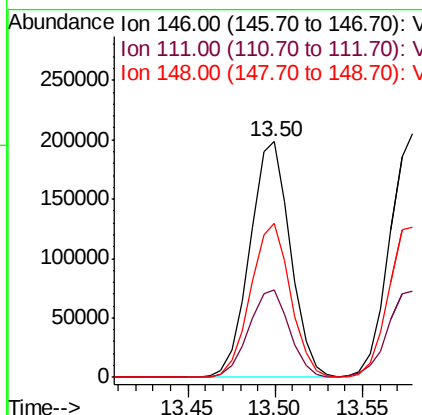
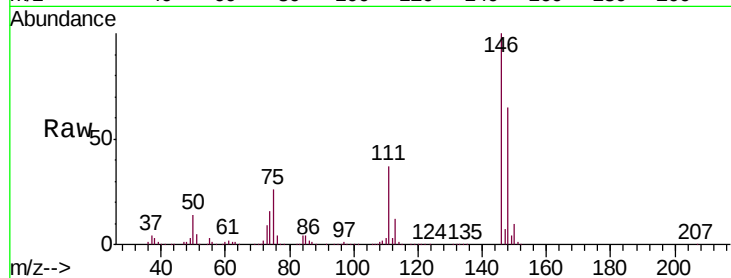




#63
 1,3-Dichlorobenzene
 Concen: 25.683 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

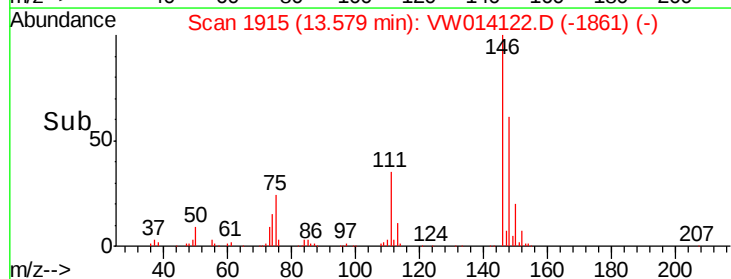
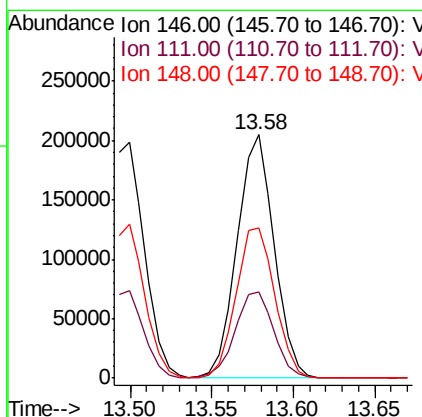
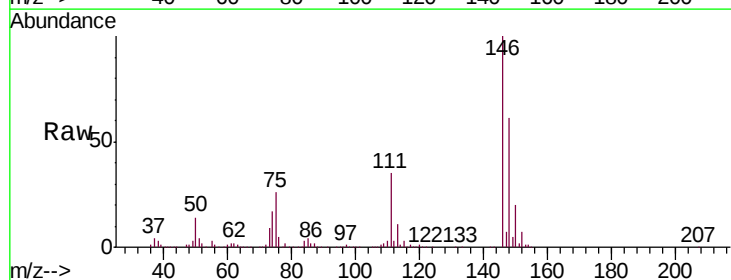
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

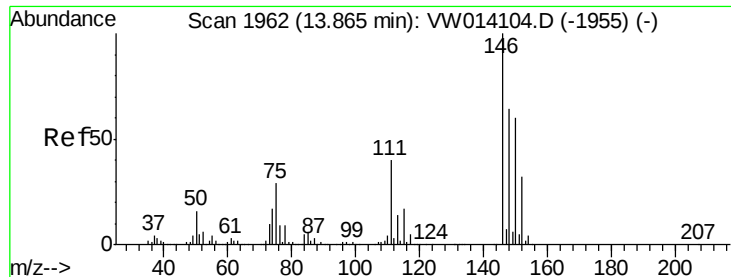
Tgt Ion:146 Resp: 321222
 Ion Ratio Lower Upper
 146 100
 111 37.0 26.0 48.2
 148 65.1 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.243 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion:146 Resp: 324299
 Ion Ratio Lower Upper
 146 100
 111 35.2 24.9 46.3
 148 61.5 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 26.982 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

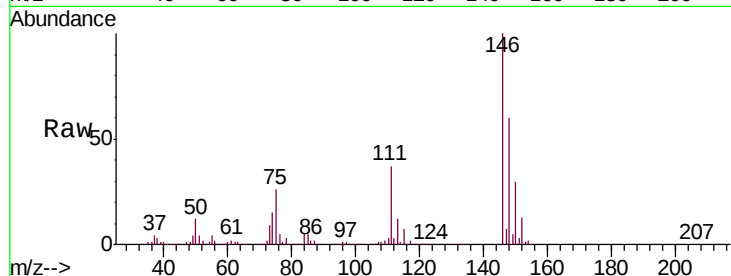
Tgt Ion:146 Resp: 298843

Ion Ratio Lower Upper

146 100

111 37.4 30.5 45.7

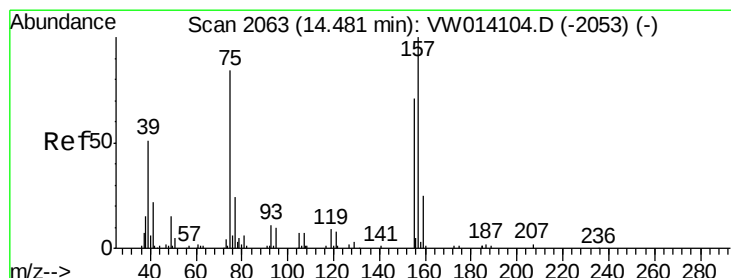
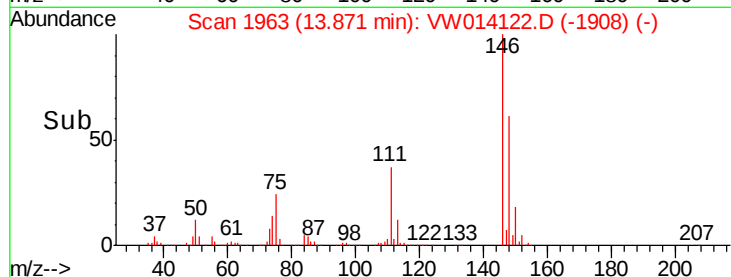
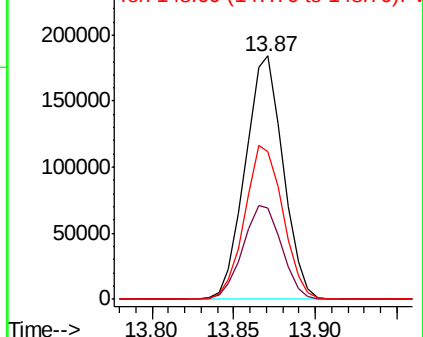
148 60.5 49.4 74.2



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: 28.360 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

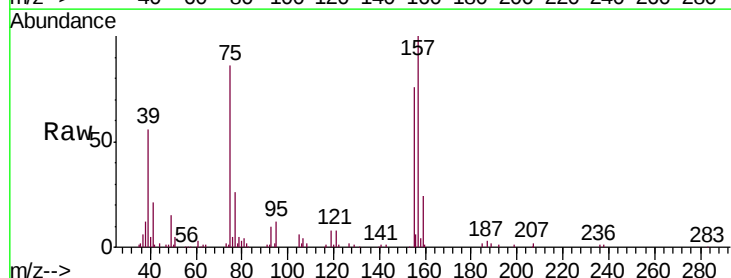
Tgt Ion: 75 Resp: 21391

Ion Ratio Lower Upper

75 100

157 115.7 96.9 145.3

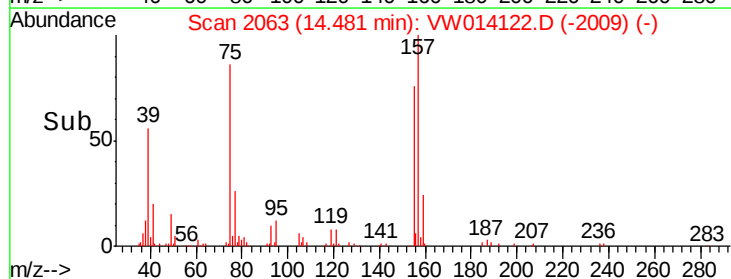
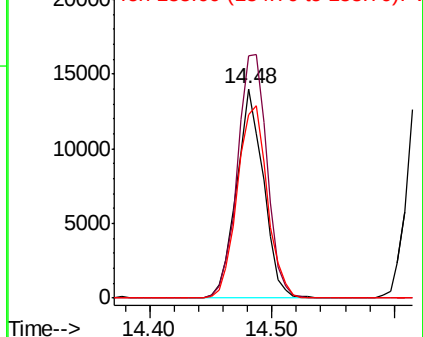
155 87.8 82.9 124.3

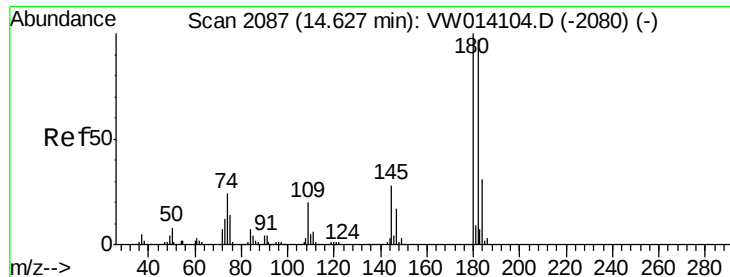


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

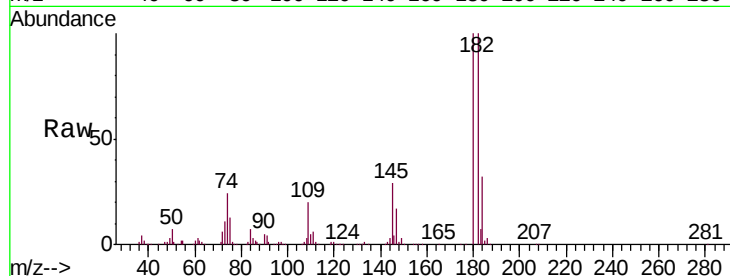




#67
 1,3,5-Trichlorobenzene
 Concen: 25.854 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02520

Tgt Ion:	180	Resp:	246432
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.2
184	30.7	24.3	36.5
145	28.1	21.9	32.9



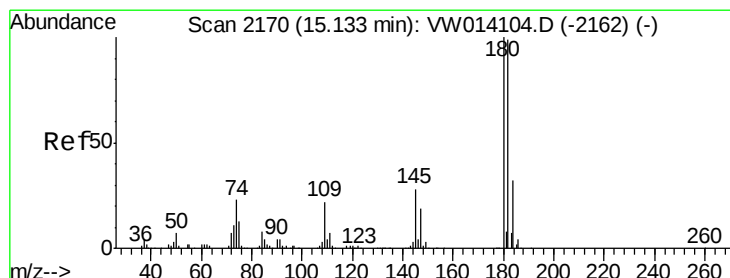
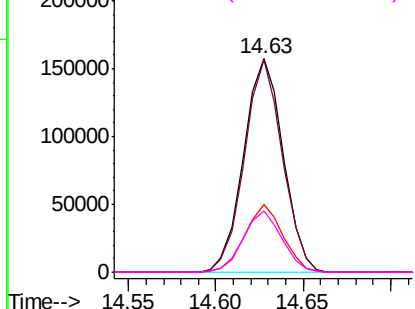
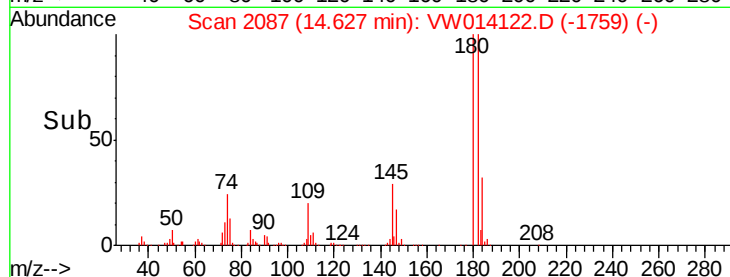
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

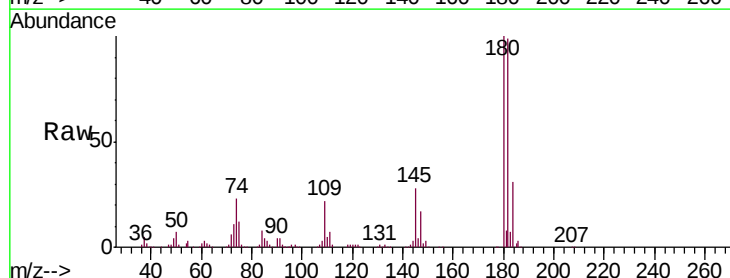
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.629 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014122.D
 Acq: 25 Nov 2019 19:59

Tgt Ion:	180	Resp:	199578
Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	28.7	22.4	33.6

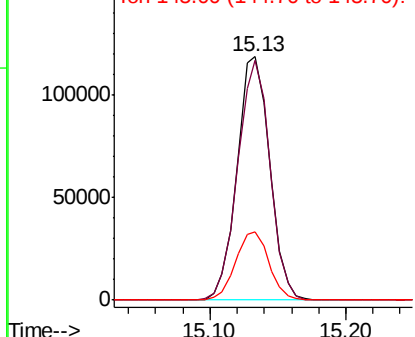
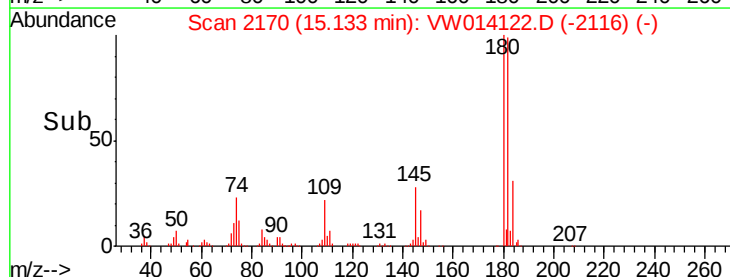


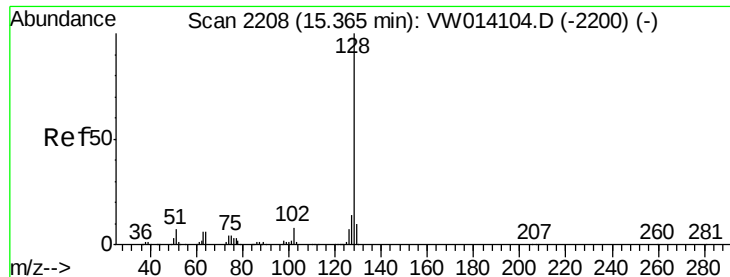
Abundance

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: 28.984 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02520

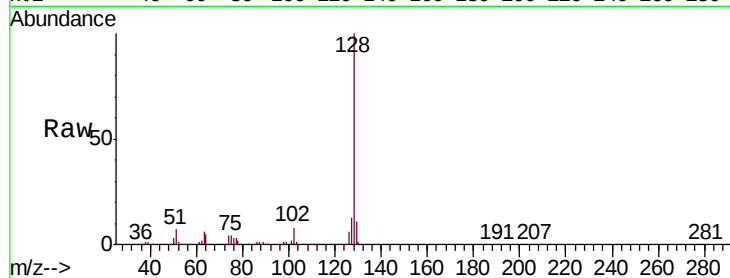
Tgt Ion:128 Resp: 385928

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

127 13.5 10.4 15.6

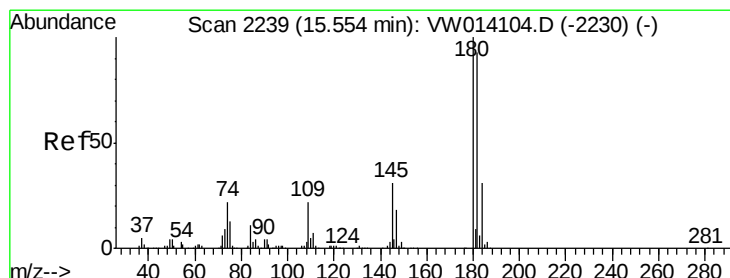
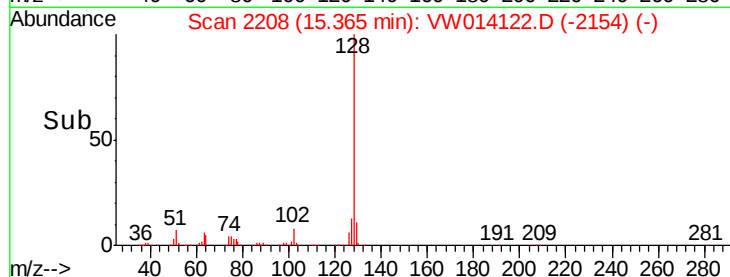
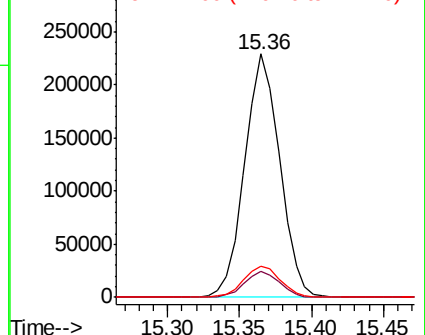


Abundance

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: 27.998 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014122.D

Acq: 25 Nov 2019 19:59

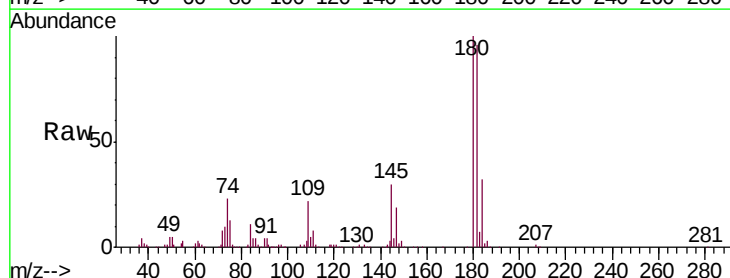
Tgt Ion:180 Resp: 185189

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 29.8 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

