

Data File : VW014011.D
Acq On : 14 Nov 2019 09:27
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Quant Time: Nov 15 01:41:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 12 10:15:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305461	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	291666	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	176157	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125444	25.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.96%
7) Chloroethane-d5	2.89	69	102554	25.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.84%
10) 1,1-Dichloroethene-d2	4.02	63	252925	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	7.07	46	75069	53.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.04%
24) Chloroform-d	7.64	84	239510	25.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	8.30	65	122815	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.04%
29) Benzene-d6	8.27	84	508945	24.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.36%
33) 1,2-Dichloropropane-d6	9.27	67	147360	24.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.24%
37) Toluene-d8	10.32	98	480225	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	10.57	79	65962	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.64%
39) 2-Hexanone-d5	10.92	63	60482	52.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121177	26.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	168848	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	86989	23.946	ug/L 97
3) Chloromethane	2.21	50	76506	23.710	ug/L 98
5) Vinyl chloride	2.36	62	136231	27.040	ug/L 94
6) Bromomethane	2.78	94	84727	27.162	ug/L 99
8) Chloroethane	2.92	64	78953	26.345	ug/L 95
9) Trichlorofluoromethane	3.25	101	77066	22.432	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131712	25.964	ug/L 98
12) 1,1-Dichloroethene	4.04	96	136803	26.530	ug/L 97
13) Acetone	4.11	43	65735	45.626	ug/L 98
14) Carbon disulfide	4.38	76	393712	26.826	ug/L 98
15) Methyl Acetate	4.66	43	66162	28.383	ug/L 100
16) Methylene chloride	4.91	84	136763	23.256	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	168695	25.358	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	143128	26.617	ug/L 97
19) 1,1-Dichloroethane	6.21	63	243637	26.899	ug/L 99
21) 2-Butanone	7.17	43	94394	50.998	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	152093	26.878	ug/L 94

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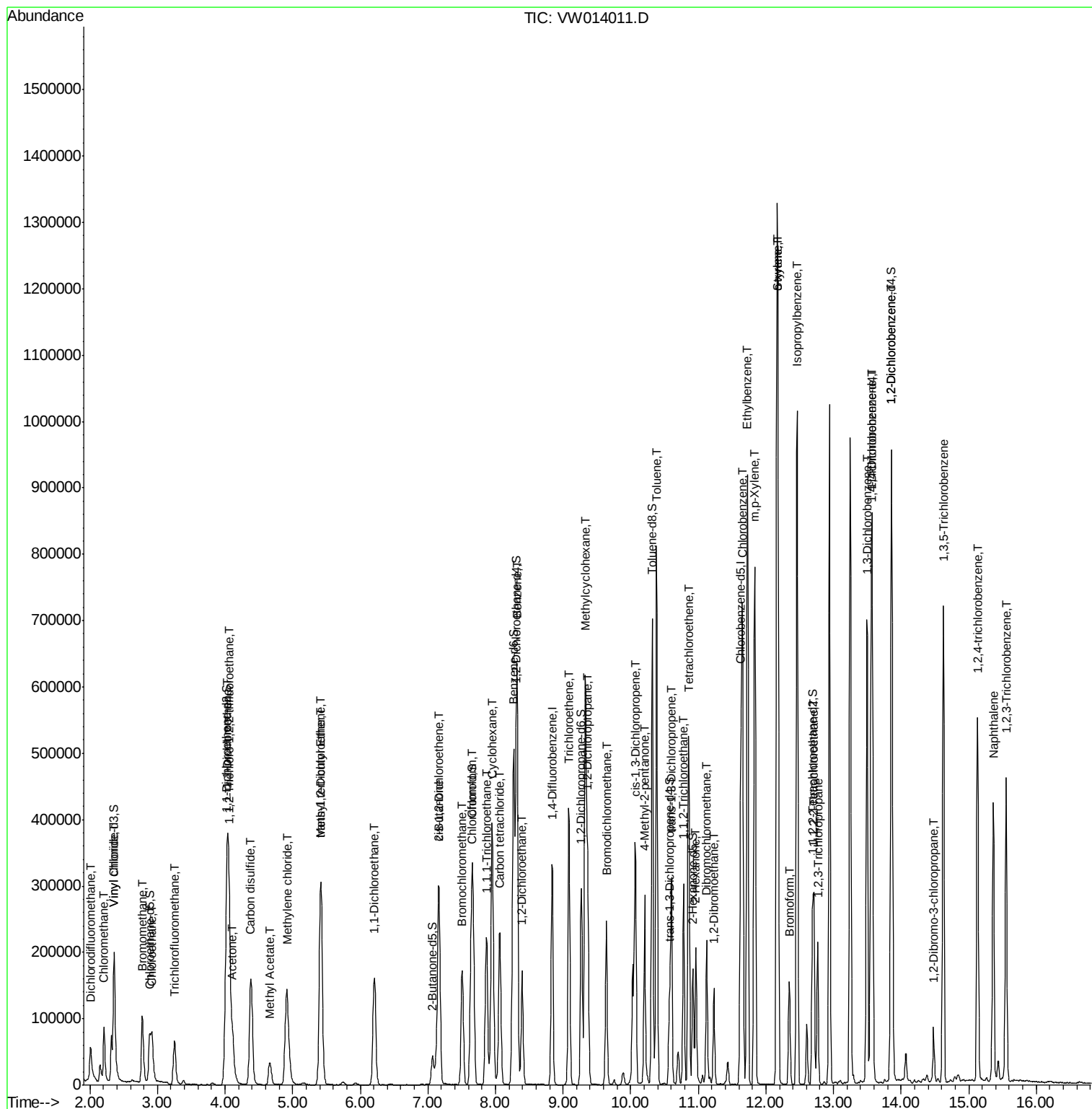
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	67536	27.189	ug/L	88
25) Chloroform	7.66	83	243194	27.341	ug/L	99
27) 1,2-Dichloroethane	8.40	62	148259	27.531	ug/L	100
30) Cyclohexane	7.95	56	240613	25.778	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	191336	26.177	ug/L	99
32) Carbon tetrachloride	8.06	117	181176	25.821	ug/L	98
34) Benzene	8.32	78	565162	26.417	ug/L	100
35) Trichloroethene	9.09	95	147043	25.766	ug/L	99
36) Methylcyclohexane	9.33	83	263622	25.764	ug/L	99
40) 1,2-Dichloropropane	9.37	63	135915	26.391	ug/L	100
41) Bromodichloromethane	9.64	83	169715	27.259	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	218244	26.853	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	182263	53.602	ug/L	100
44) Toluene	10.38	91	613722	26.312	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	175731	27.343	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	101872	26.921	ug/L	99
47) Tetrachloroethene	10.86	164	133691	26.283	ug/L	97
49) 2-Hexanone	10.96	43	130430	53.205	ug/L	97
50) Dibromochloromethane	11.13	129	121750	27.373	ug/L	99
51) 1,2-Dibromoethane	11.23	107	98864	26.928	ug/L	99
52) Chlorobenzene	11.65	112	388051	26.538	ug/L	97
53) Ethylbenzene	11.73	91	680226	26.576	ug/L	97
54) m,p-Xylene	11.83	106	261212	26.260	ug/L	99
55) o-xylene	12.16	106	247582	26.580	ug/L	100
56) Styrene	12.18	104	426131	27.081	ug/L	98
57) Isopropylbenzene	12.46	105	674663	26.343	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	123328	27.916	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	91665	27.588	ug/L	98
62) Bromoform	12.35	173	76100	26.361	ug/L	99
63) 1,3-Dichlorobenzene	13.49	146	313015	25.306	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	307231	25.140	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	281775	25.726	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	20158	27.024	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	249419	26.460	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	200256	27.018	ug/L	99
69) Naphthalene	15.36	128	368272	27.967	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	175417	26.817	ug/L	98

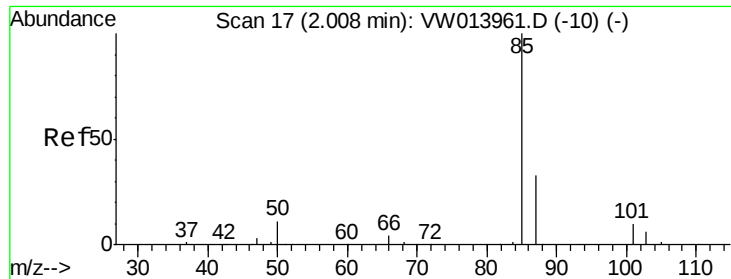
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.946 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

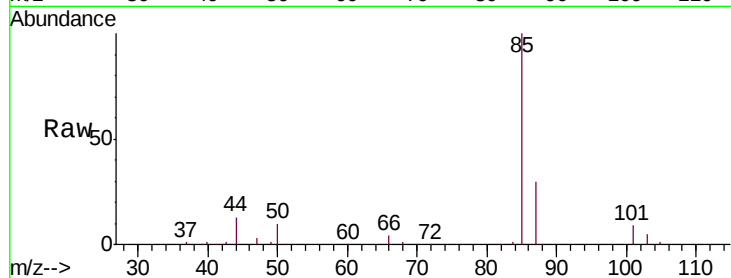
VSTD02525

Tgt Ion: 85 Resp: 86989

Ion Ratio Lower Upper

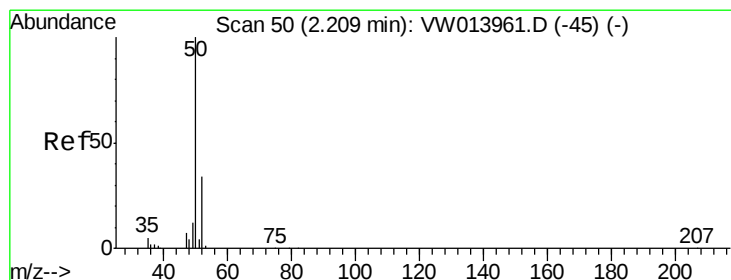
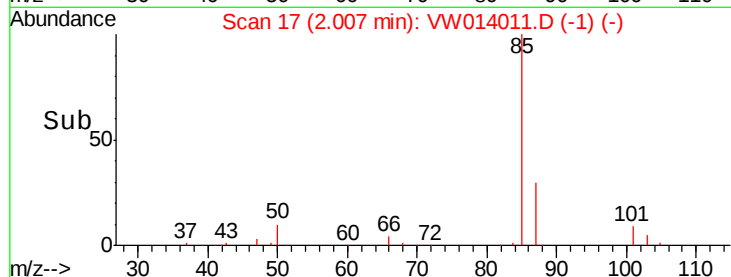
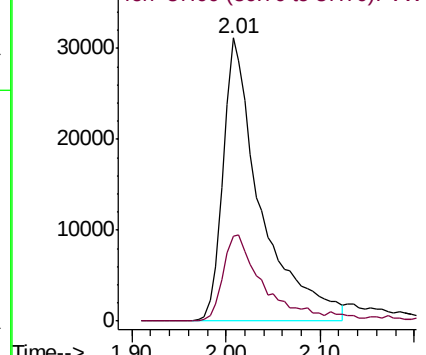
85 100

87 30.2 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.710 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014011.D

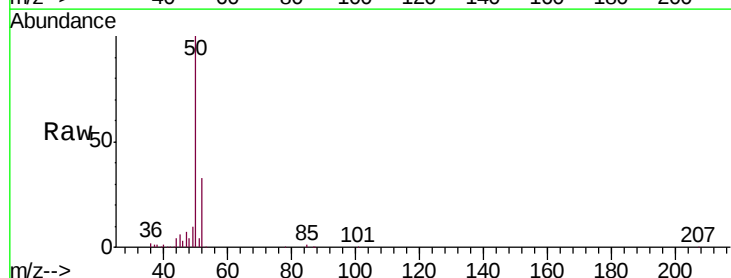
Acq: 14 Nov 2019 09:27

Tgt Ion: 50 Resp: 76506

Ion Ratio Lower Upper

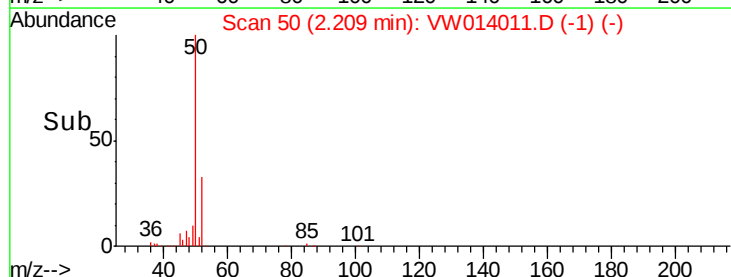
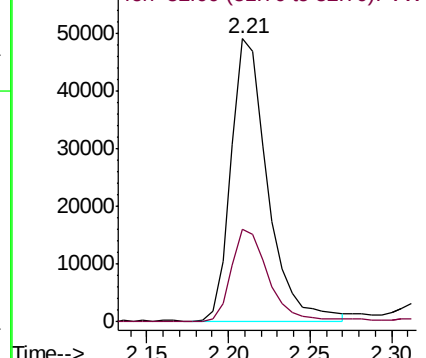
50 100

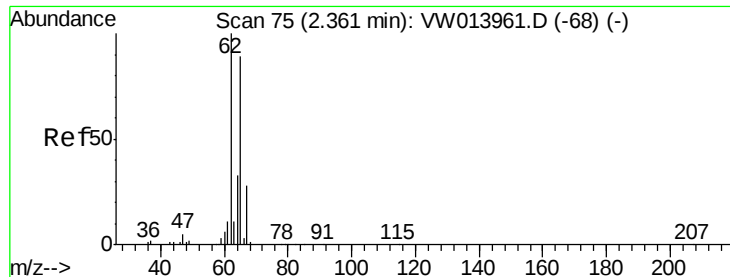
52 32.6 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 27.040 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

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ClientSampleId :

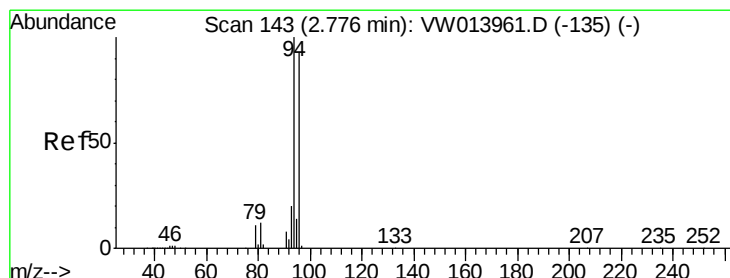
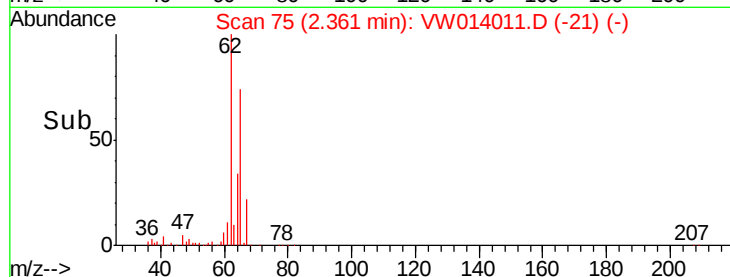
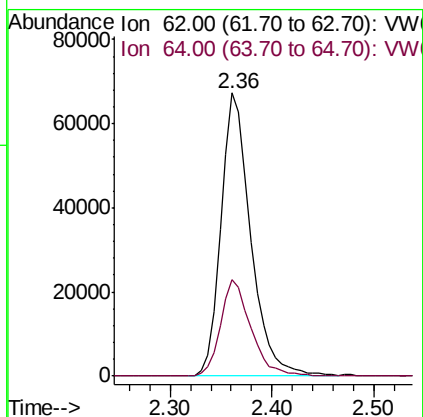
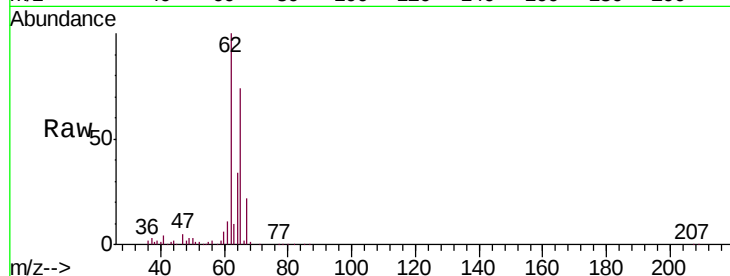
VSTD02525

Tgt Ion: 62 Resp: 136231

Ion Ratio Lower Upper

62 100

64 34.2 21.8 40.4



#6

Bromomethane

Concen: 27.162 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW014011.D

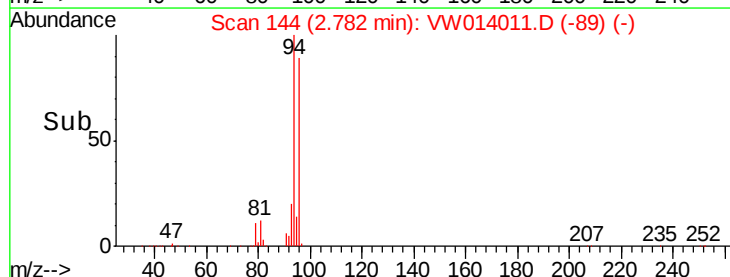
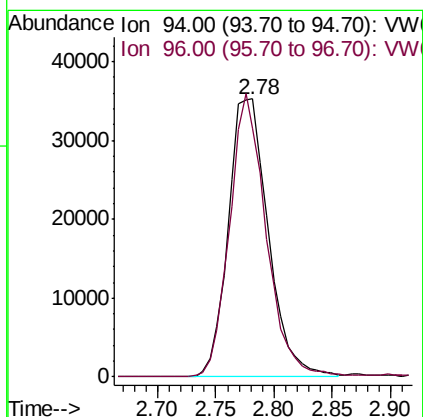
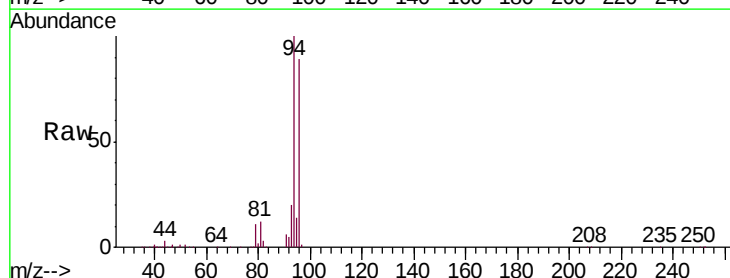
Acq: 14 Nov 2019 09:27

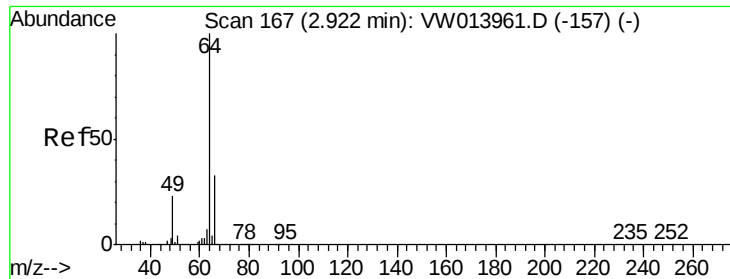
Tgt Ion: 94 Resp: 84727

Ion Ratio Lower Upper

94 100

96 92.8 9.4 178.8





#8

Chloroethane

Concen: 26.345 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

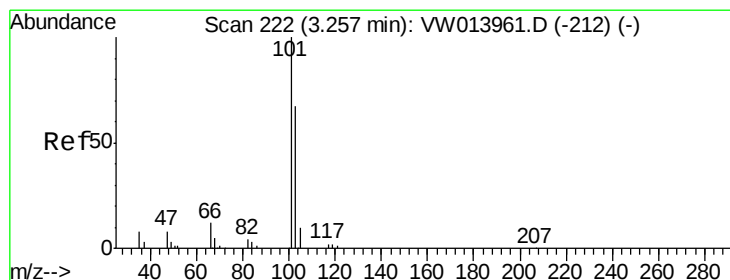
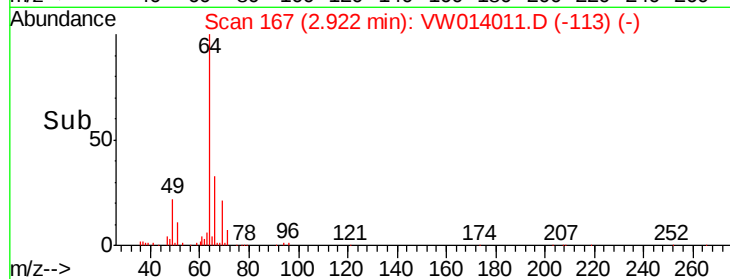
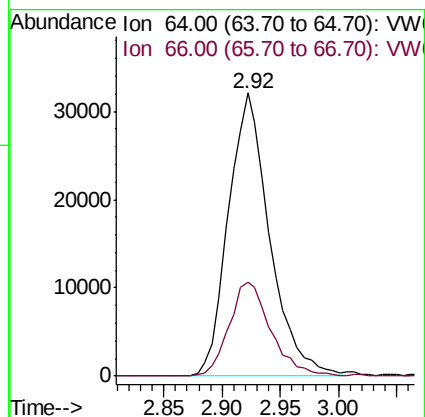
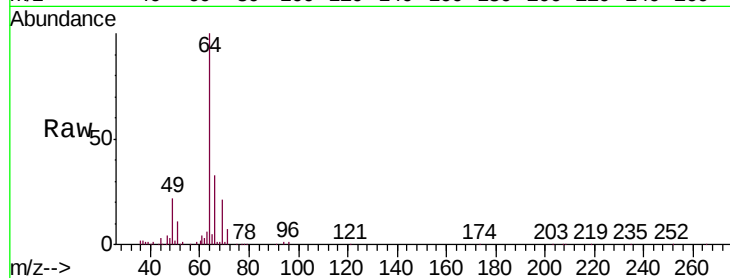
VSTD02525

Tgt Ion: 64 Resp: 78953

Ion Ratio Lower Upper

64 100

66 33.1 21.2 39.4



#9

Trichlorofluoromethane

Concen: 22.432 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014011.D

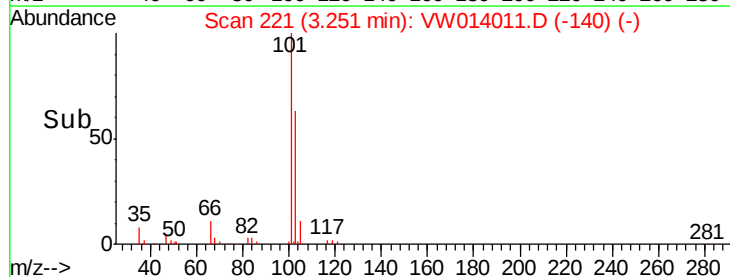
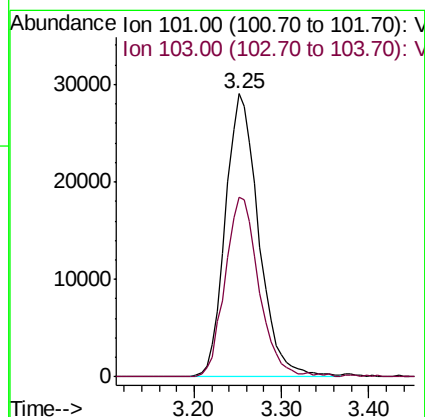
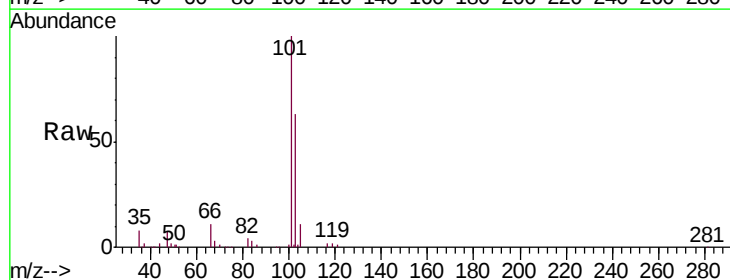
Acq: 14 Nov 2019 09:27

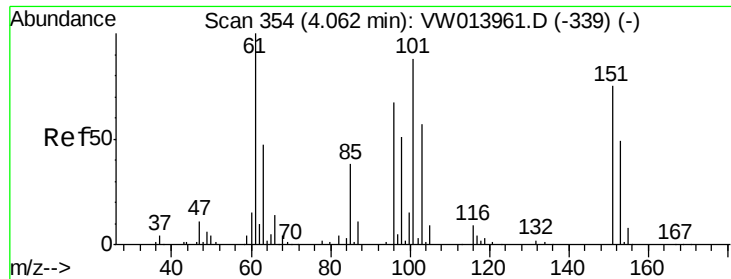
Tgt Ion: 101 Resp: 77066

Ion Ratio Lower Upper

101 100

103 63.6 45.4 84.2





#11

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

Concen: 25.964 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

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ClientSampleId :

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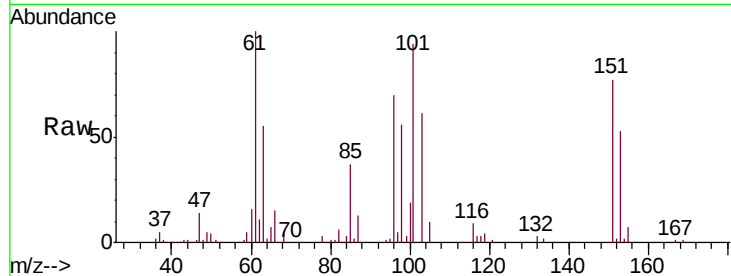
Tgt Ion: 101 Resp: 131712

Ion Ratio Lower Upper

101 100

85 40.3 31.4 47.2

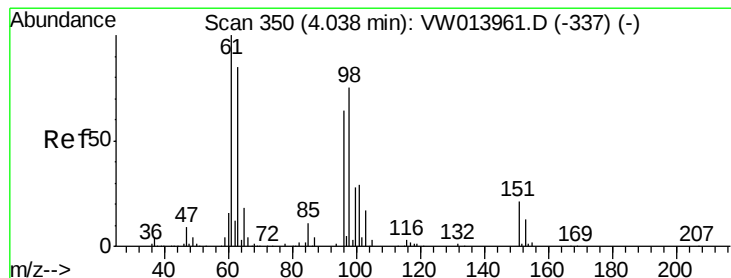
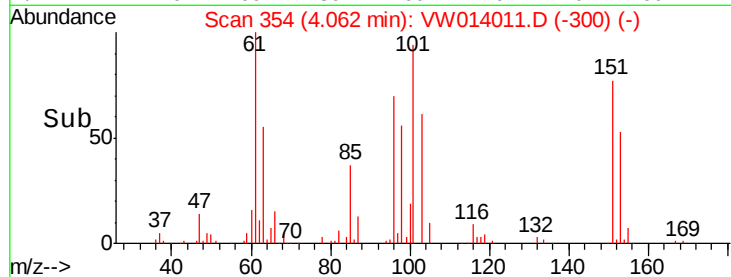
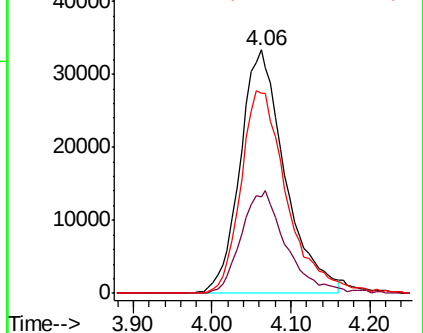
151 85.3 66.9 100.3



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: 26.530 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

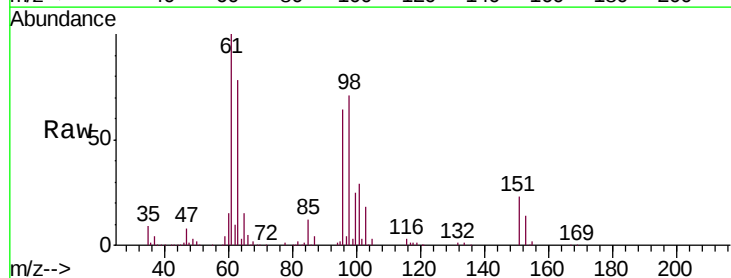
Tgt Ion: 96 Resp: 136803

Ion Ratio Lower Upper

96 100

61 157.4 109.8 204.0

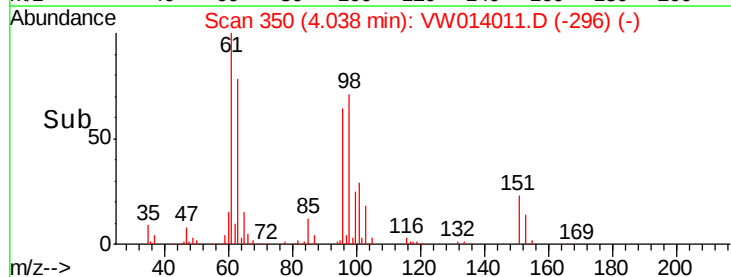
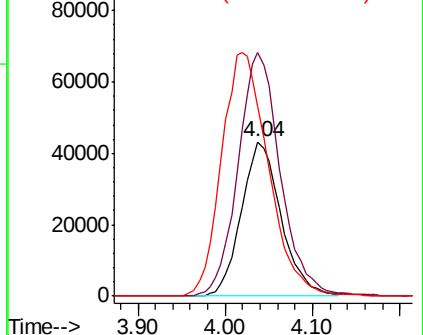
63 122.9 80.7 149.9

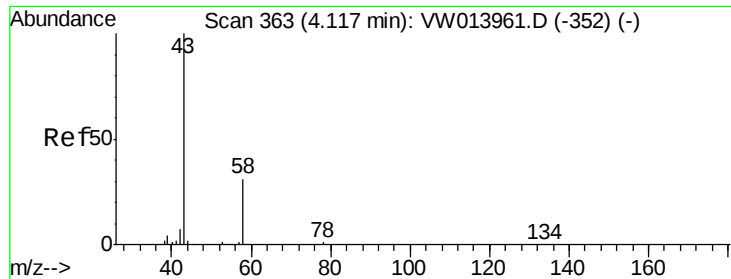


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

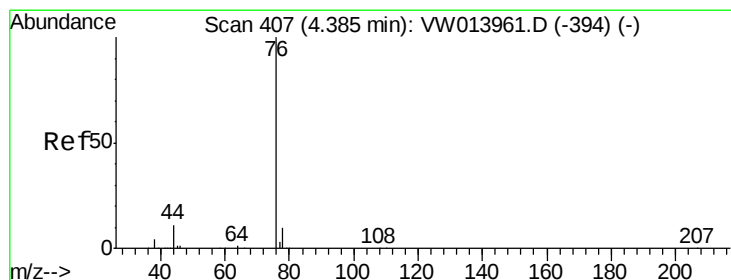
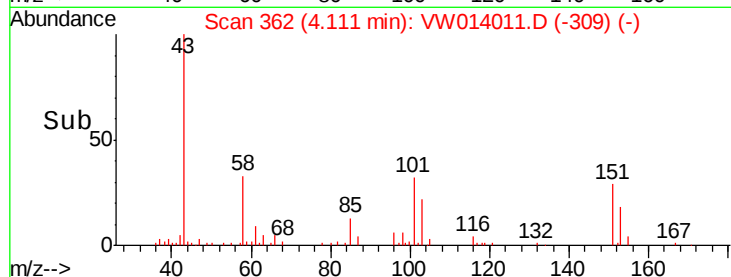
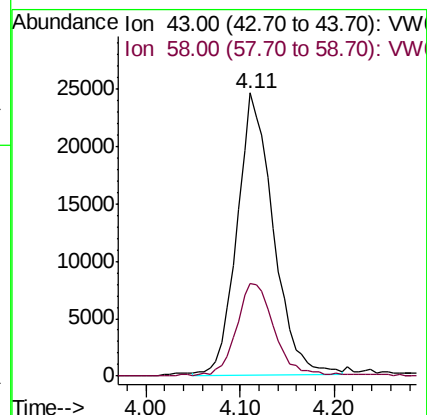
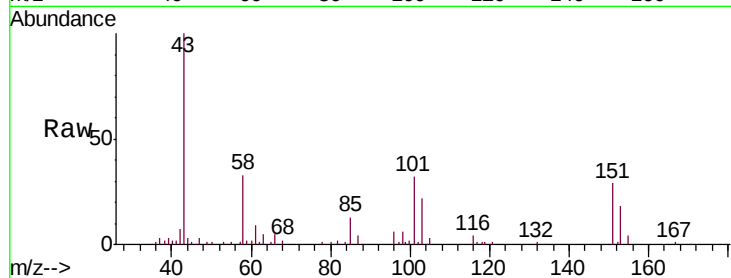




#13
Acetone
Concen: 45.626 ug/L
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

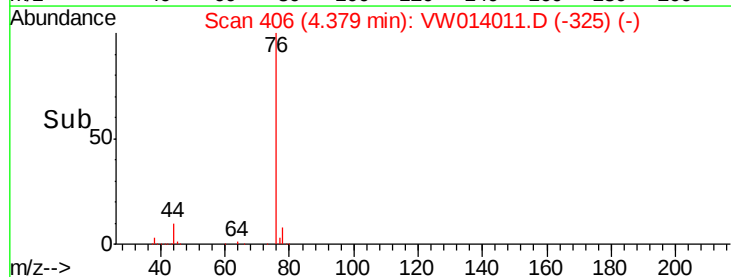
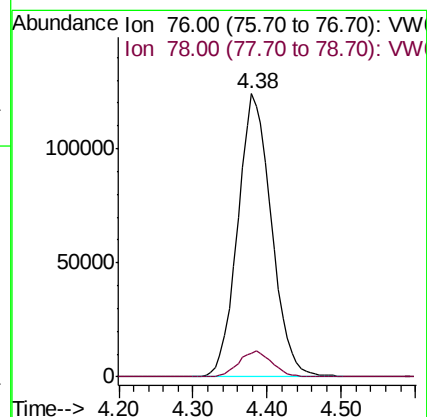
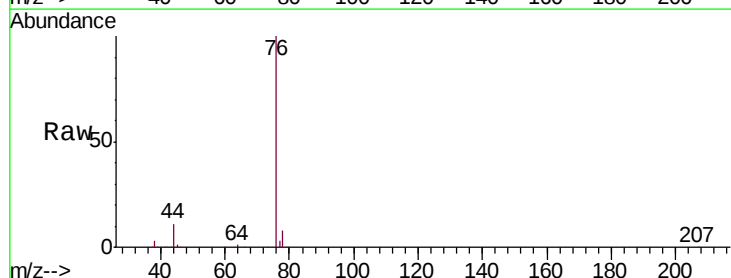
Instrument :
MSVOA_W
ClientSampled :
VSTD02525

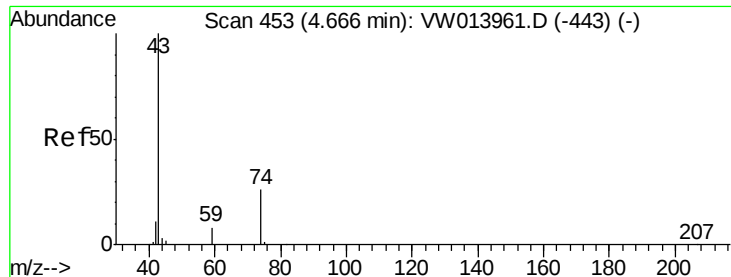
Tgt Ion: 43 Resp: 65735
Ion Ratio Lower Upper
43 100
58 34.0 0.0 65.4



#14
Carbon disulfide
Concen: 26.826 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion: 76 Resp: 393712
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8





#15

Methyl Acetate

Concen: 28.383 ug/L

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

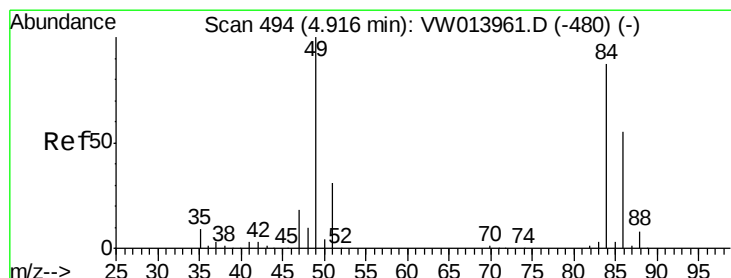
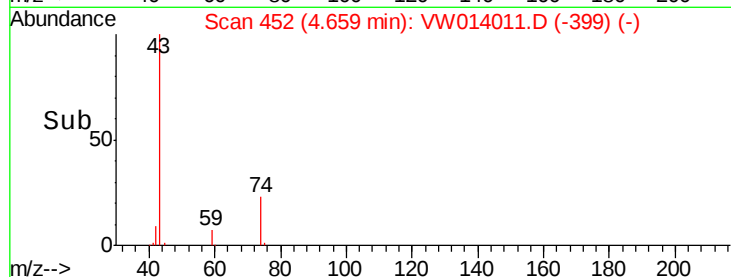
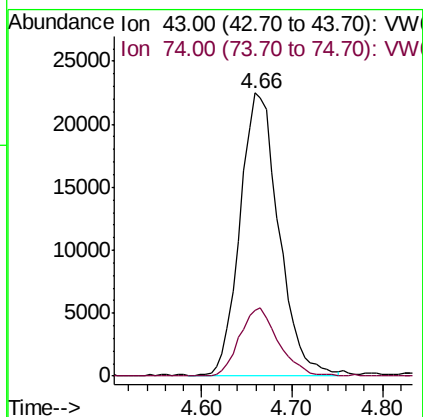
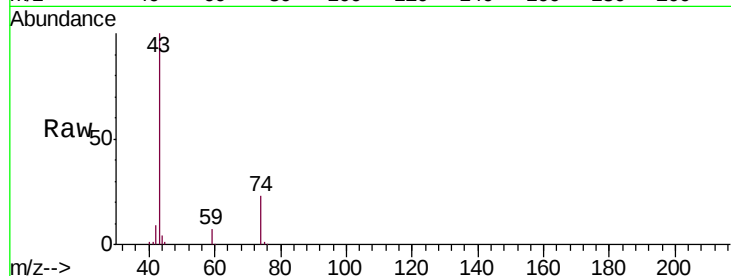
VSTD02525

Tgt Ion: 43 Resp: 66162

Ion Ratio Lower Upper

43 100

74 24.0 19.3 28.9



#16

Methylene chloride

Concen: 23.256 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

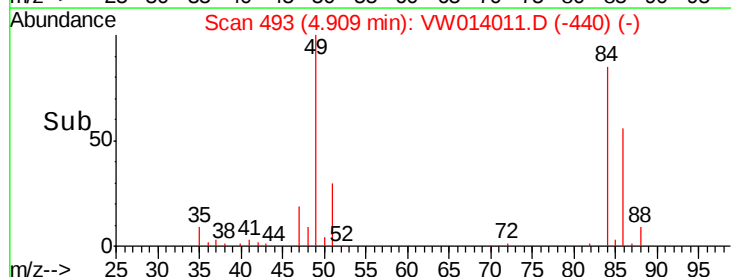
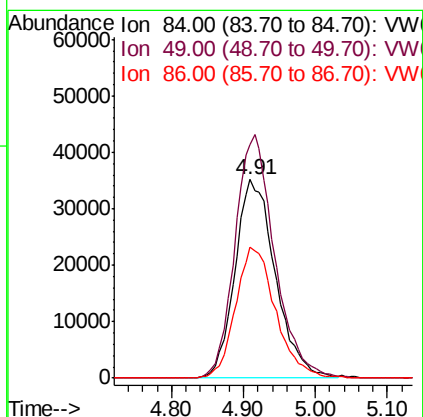
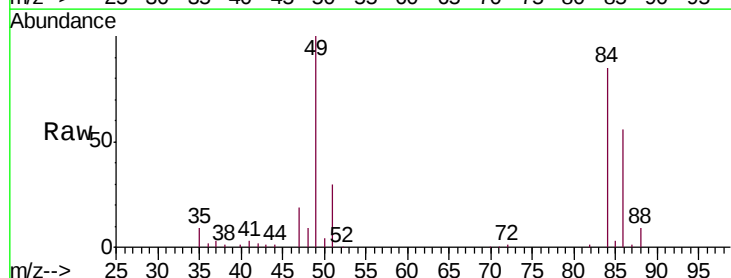
Tgt Ion: 84 Resp: 136763

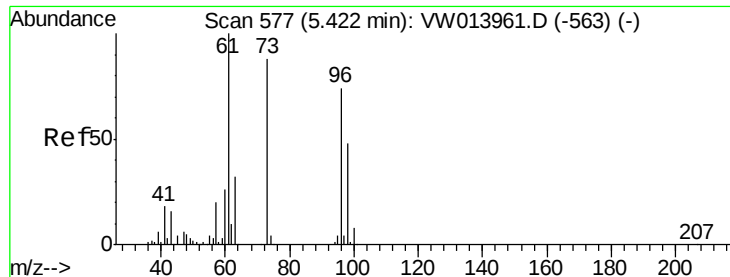
Ion Ratio Lower Upper

84 100

49 117.5 84.2 156.4

86 66.3 43.7 81.1

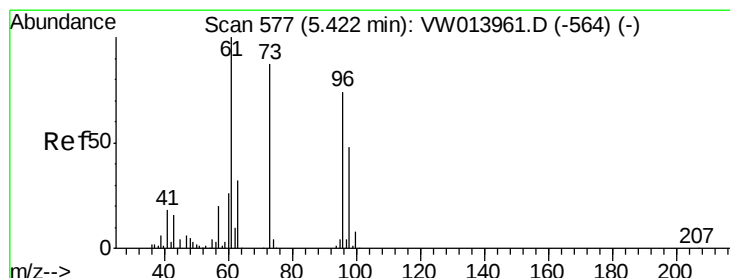
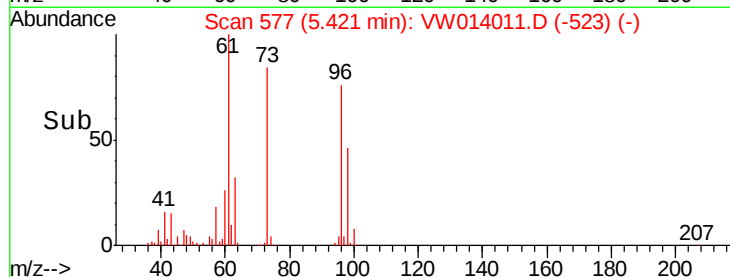
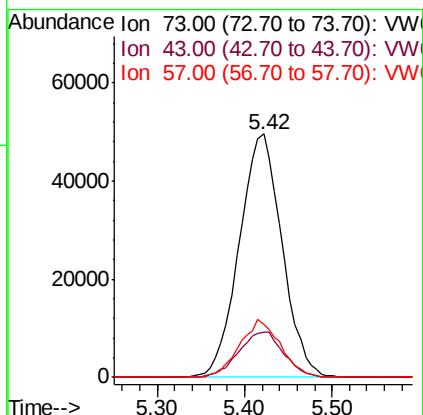
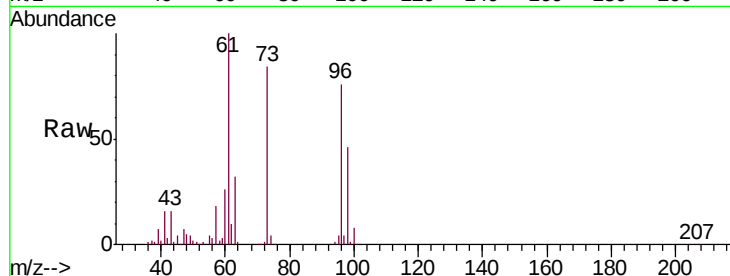




#17
Methyl tert-butyl Ether
Concen: 25.358 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

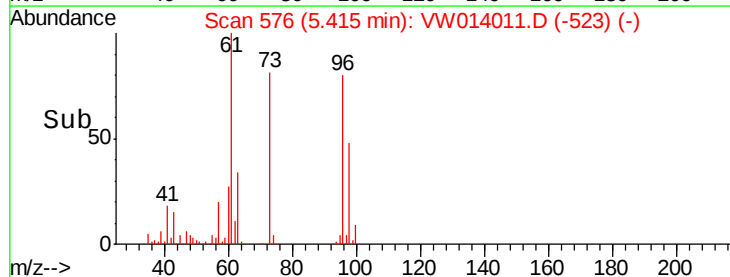
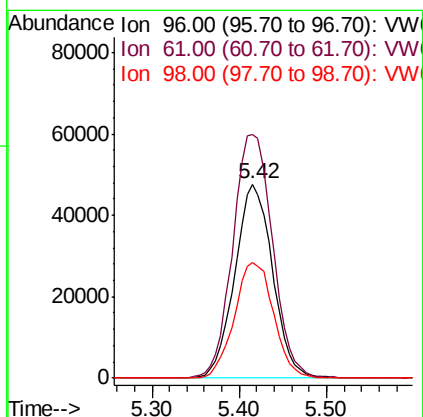
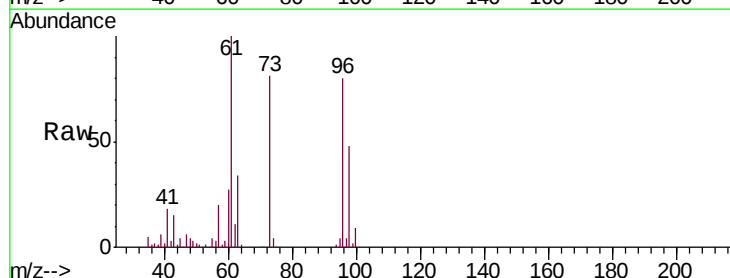
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

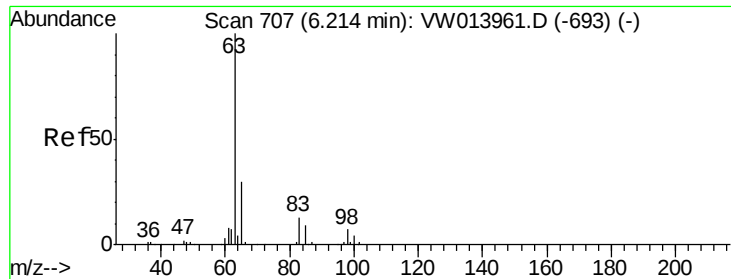
Tgt Ion: 73 Resp: 168695
Ion Ratio Lower Upper
73 100
43 19.7 15.5 23.3
57 22.6 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 26.617 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion: 96 Resp: 143128
Ion Ratio Lower Upper
96 100
61 125.4 90.6 168.2
98 59.8 42.9 79.7

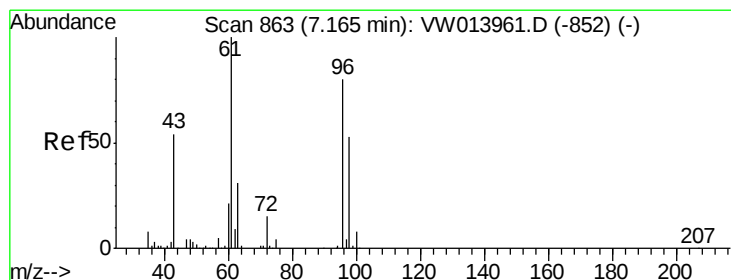
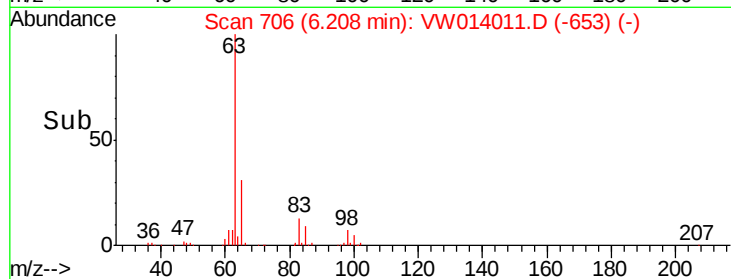
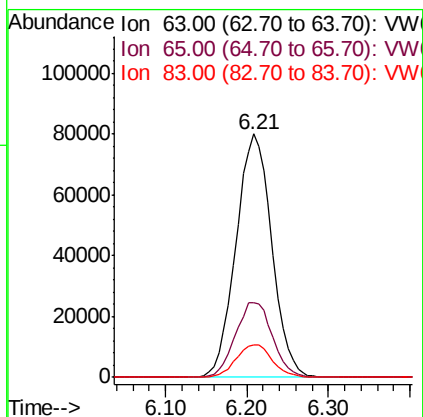
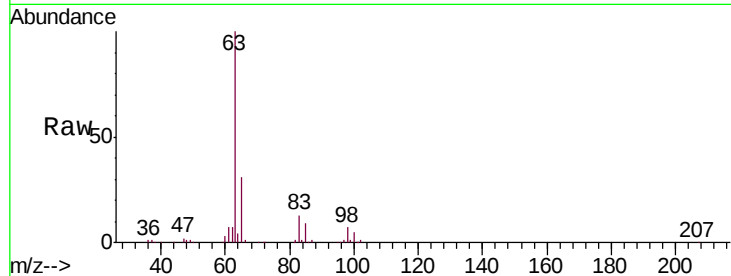




#19
 1,1-Dichloroethane
 Concen: 26.899 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

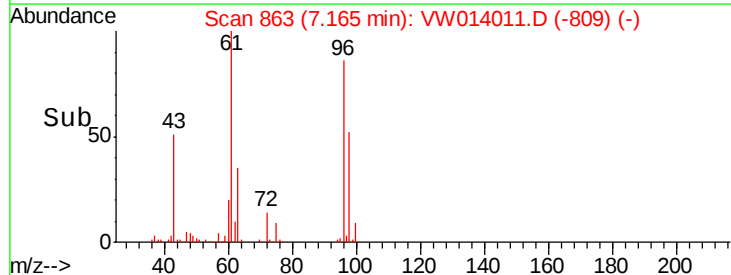
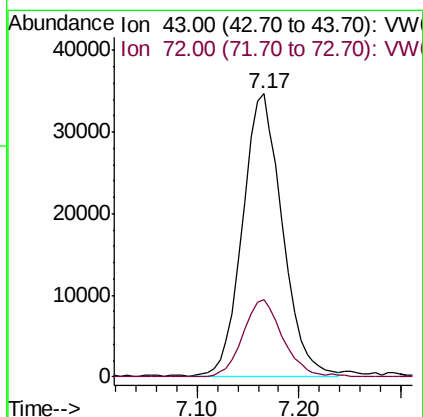
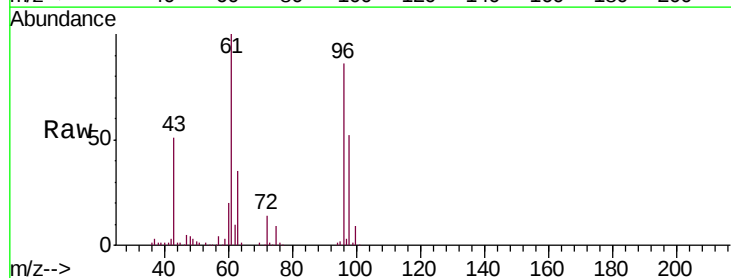
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

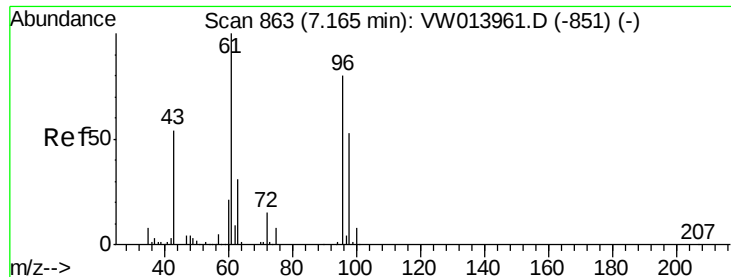
Tgt Ion: 63 Resp: 243637
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.1 41.1
 83 13.1 9.0 16.6



#21
 2-Butanone
 Concen: 50.998 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Tgt Ion: 43 Resp: 94394
 Ion Ratio Lower Upper
 43 100
 72 27.5 14.1 42.2



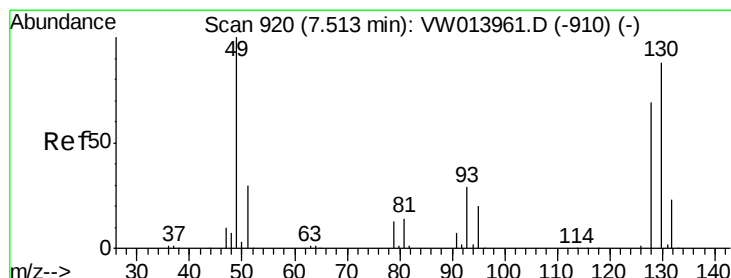
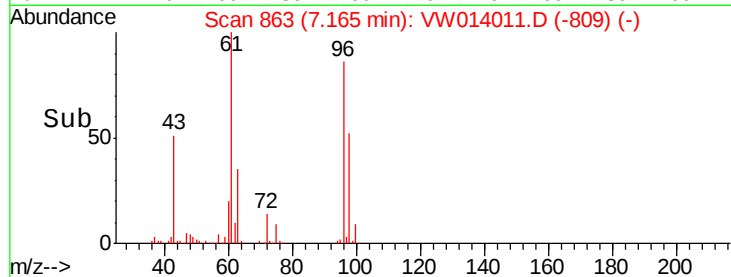
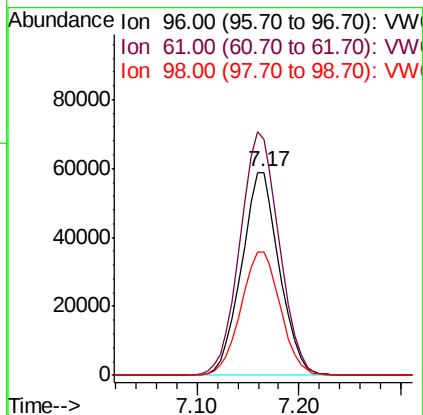
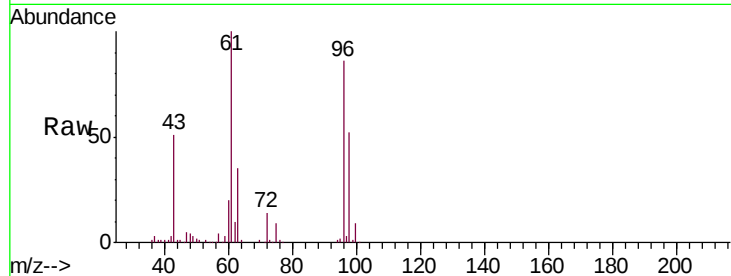


#22

cis-1,2-Dichloroethene
 Concen: 26.878 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

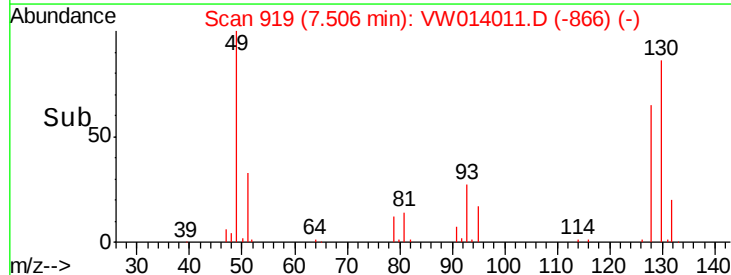
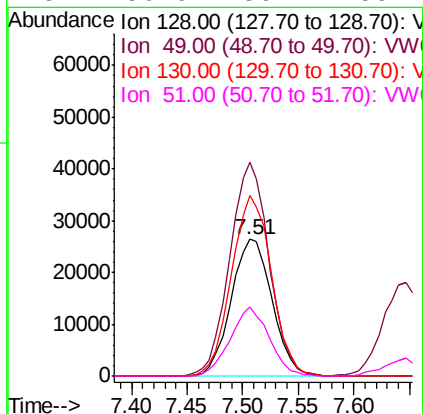
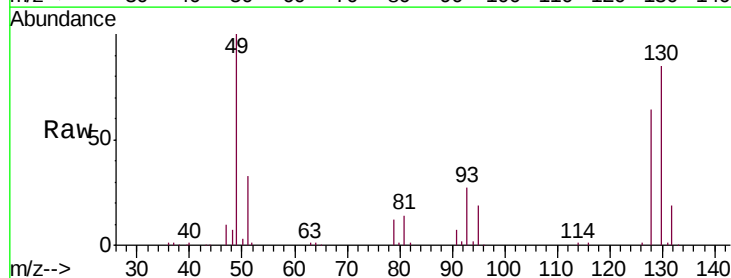
Tgt Ion: 96 Resp: 152093
 Ion Ratio Lower Upper
 96 100
 61 116.6 86.9 161.5
 98 61.0 45.5 84.5

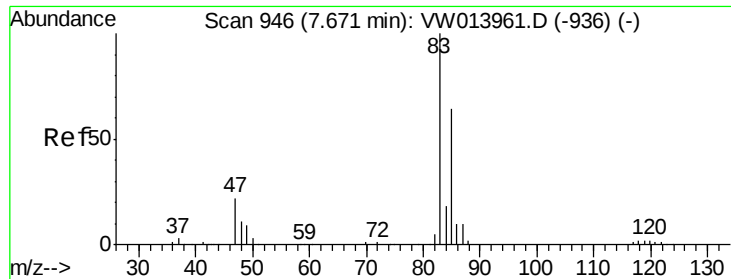


#23

Bromochloromethane
 Concen: 27.189 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Tgt Ion: 128 Resp: 67536
 Ion Ratio Lower Upper
 128 100
 49 156.1 95.1 176.5
 130 131.9 85.0 158.0
 51 50.9 36.7 55.1

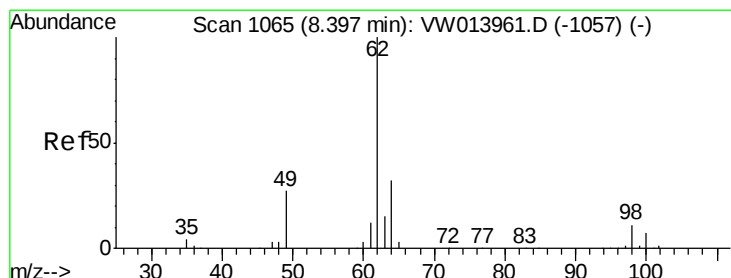
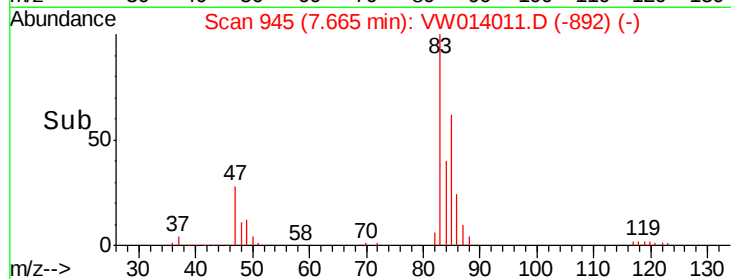
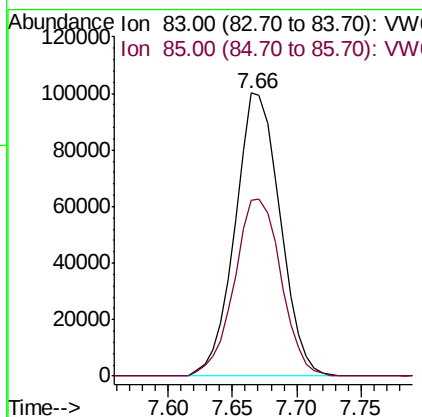
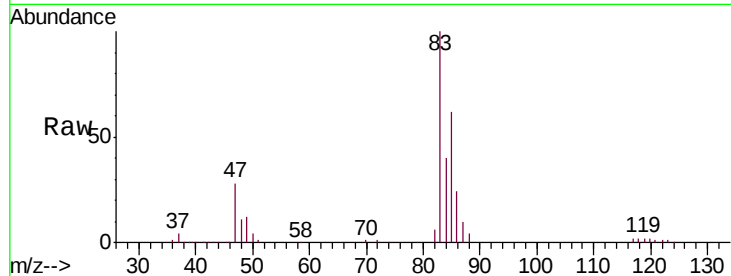




#25
Chloroform
Concen: 27.341 ug/L
RT: 7.66 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

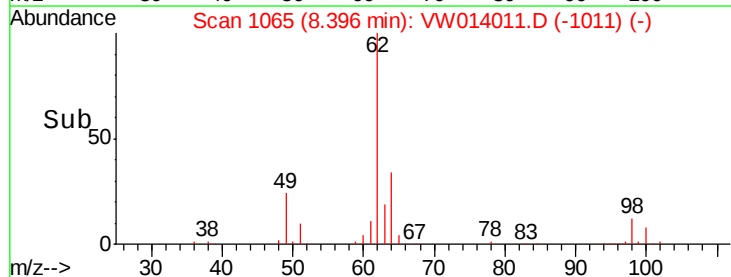
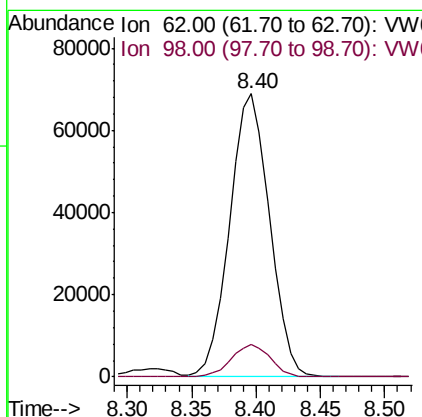
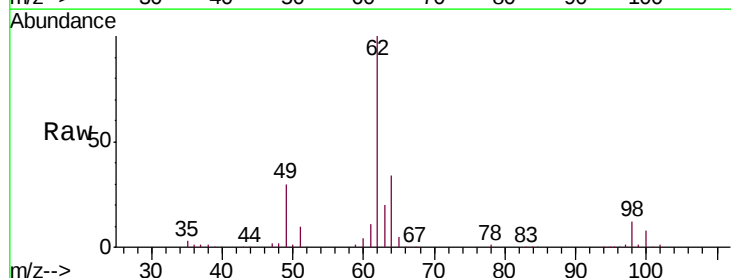
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

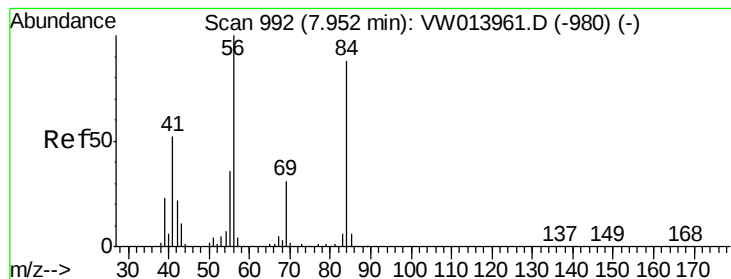
Tgt Ion: 83 Resp: 243194
Ion Ratio Lower Upper
83 100
85 65.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 27.531 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion: 62 Resp: 148259
Ion Ratio Lower Upper
62 100
98 11.7 9.3 13.9





#30

Cyclohexane

Concen: 25.778 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

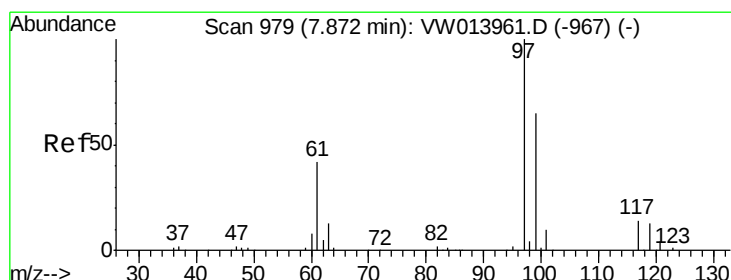
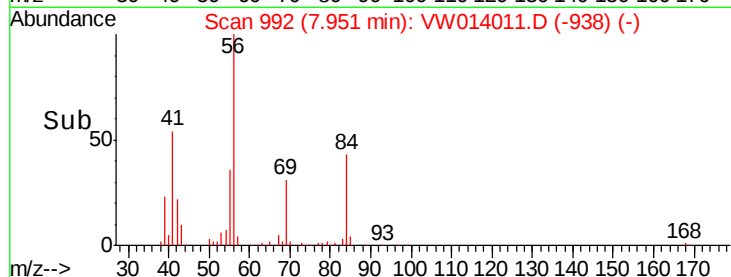
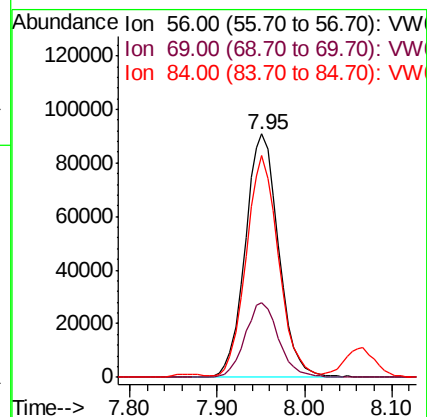
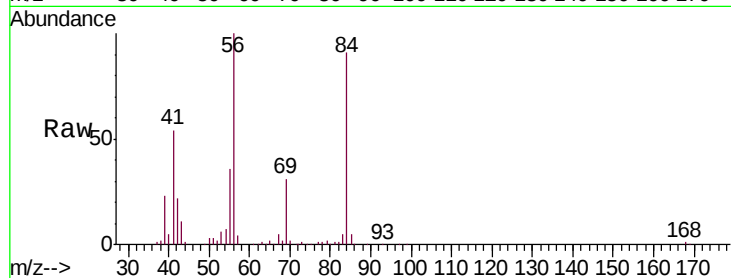
Tgt Ion: 56 Resp: 240613

Ion Ratio Lower Upper

56 100

69 30.8 24.6 37.0

84 89.0 70.2 105.2



#31

1,1,1-Trichloroethane

Concen: 26.177 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

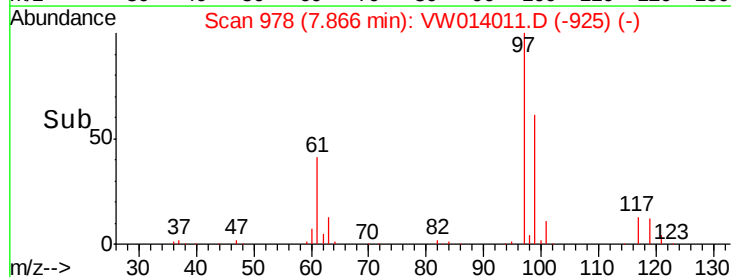
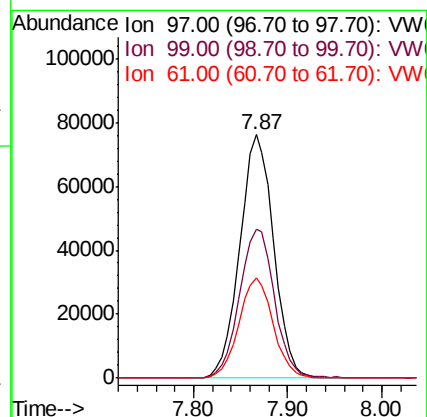
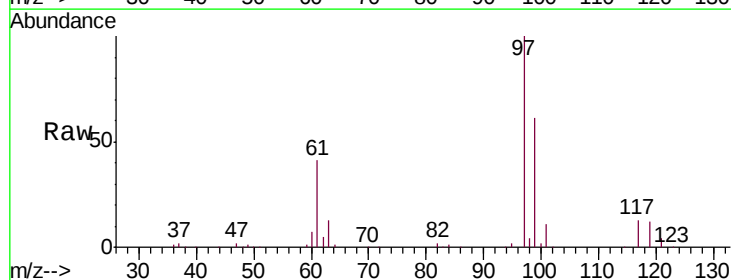
Tgt Ion: 97 Resp: 191336

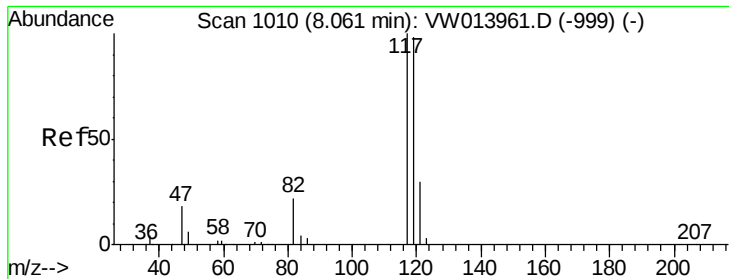
Ion Ratio Lower Upper

97 100

99 63.2 51.1 76.7

61 41.4 32.8 49.2





#32

Carbon tetrachloride

Concen: 25.821 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

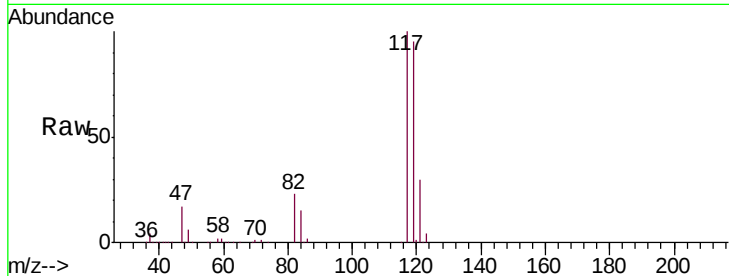
VSTD02525

Tgt Ion:117 Resp: 181176

Ion Ratio Lower Upper

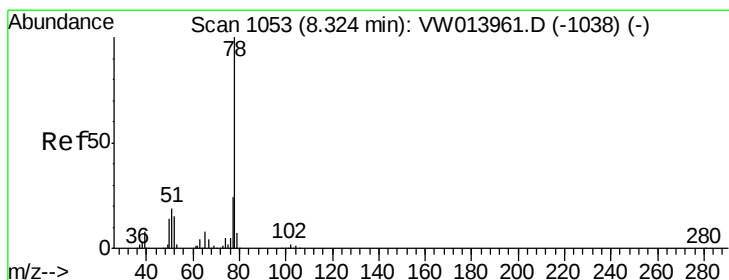
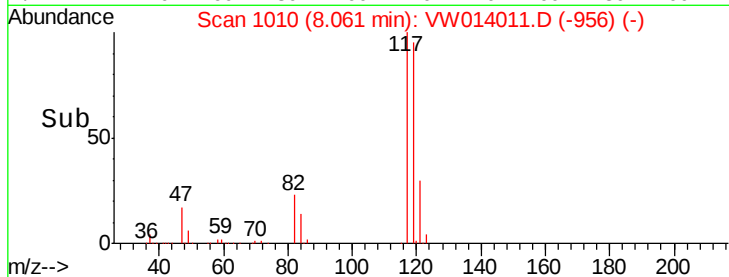
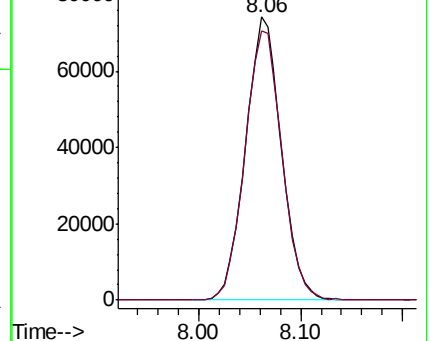
117 100

119 98.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.417 ug/L

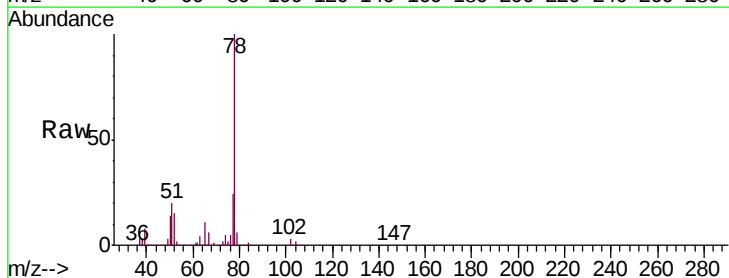
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

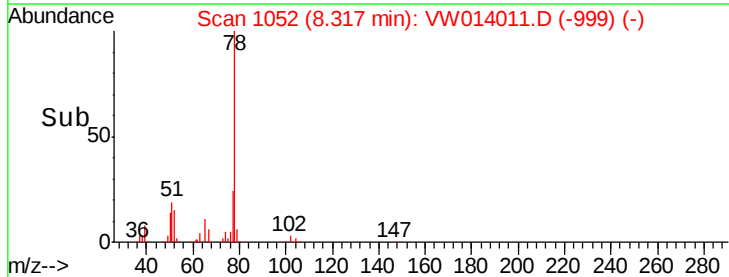
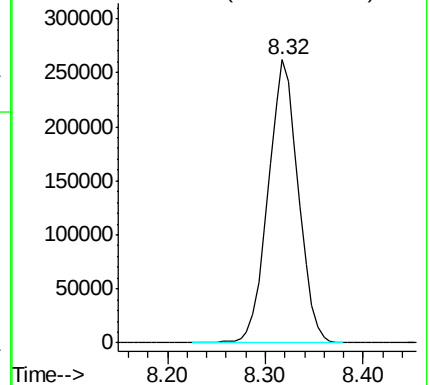
Lab File: VW014011.D

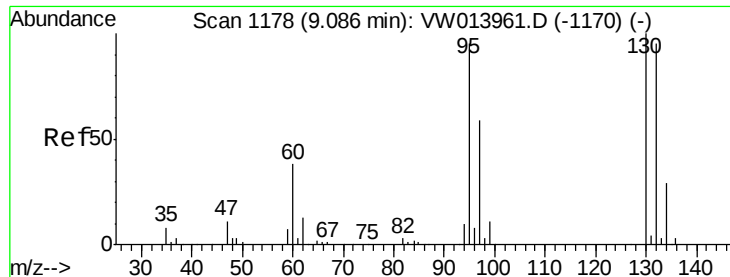
Acq: 14 Nov 2019 09:27

Tgt Ion: 78 Resp: 565162



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.766 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 95 Resp: 147043

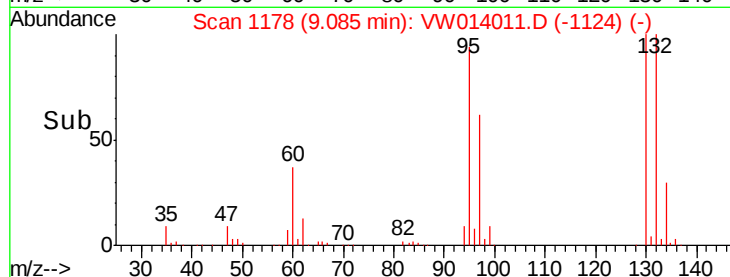
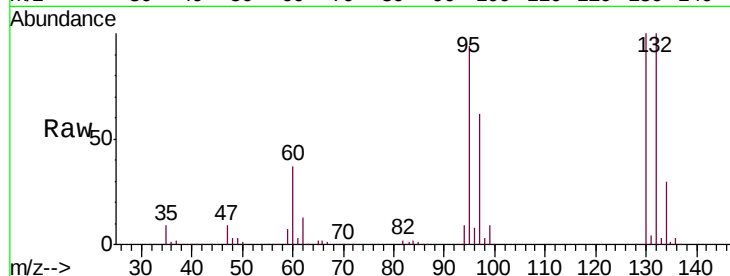
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.9

132 104.9 73.7 136.9

130 108.0 76.6 142.2

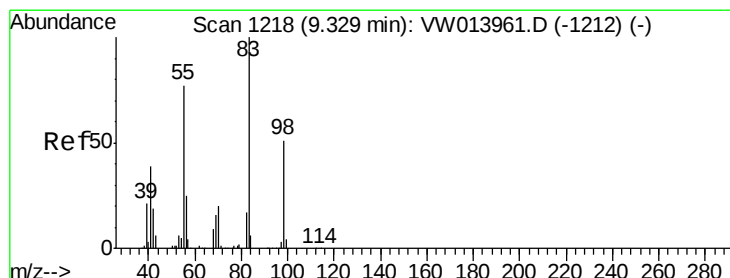
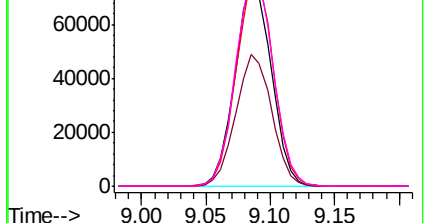


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.764 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

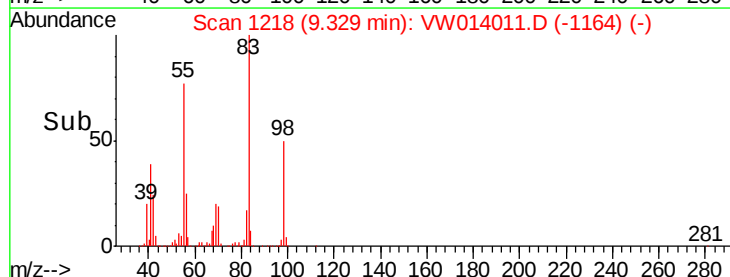
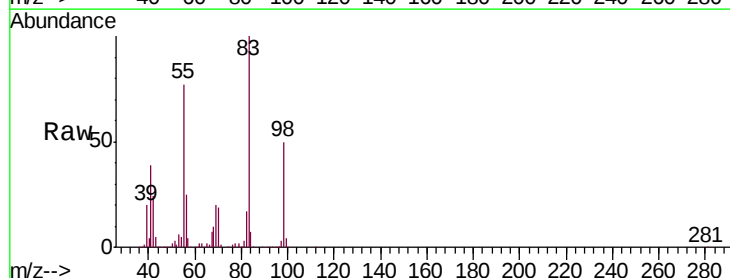
Tgt Ion: 83 Resp: 263622

Ion Ratio Lower Upper

83 100

55 75.7 59.8 89.8

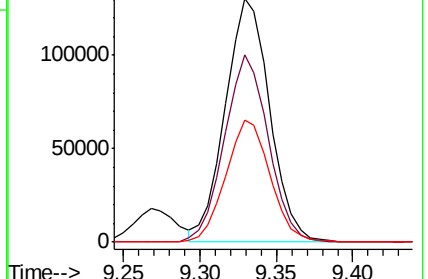
98 50.0 39.5 59.3

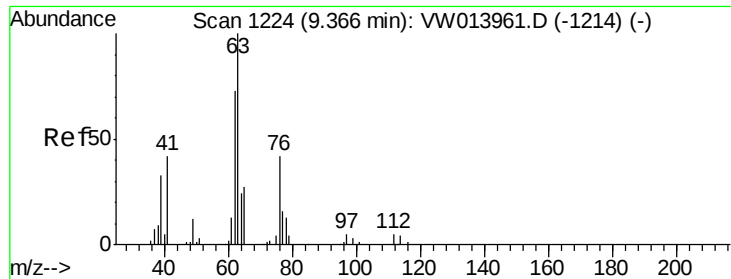


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

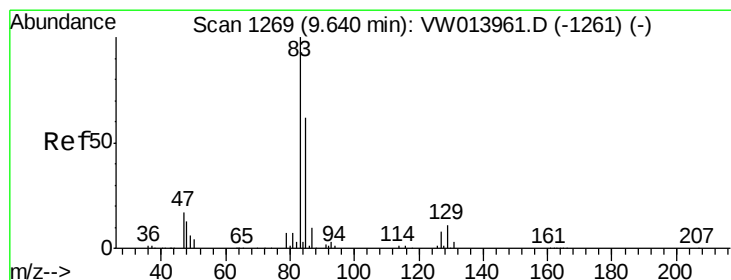
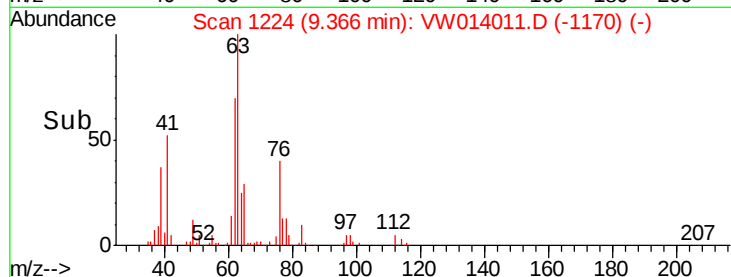
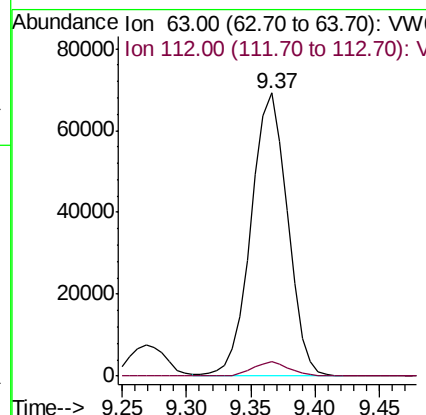
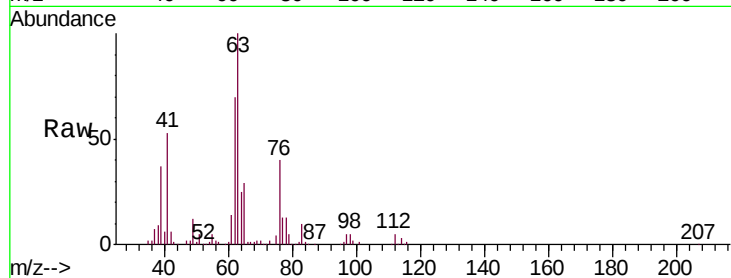




#40
 1,2-Dichloropropane
 Concen: 26.391 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

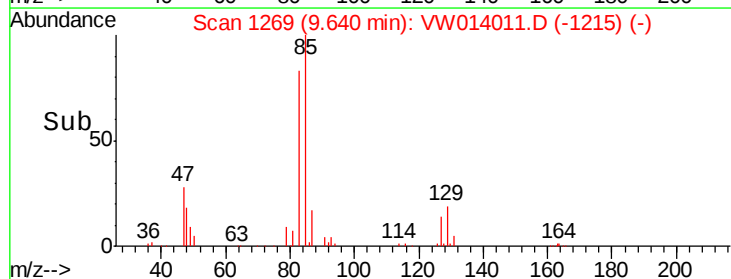
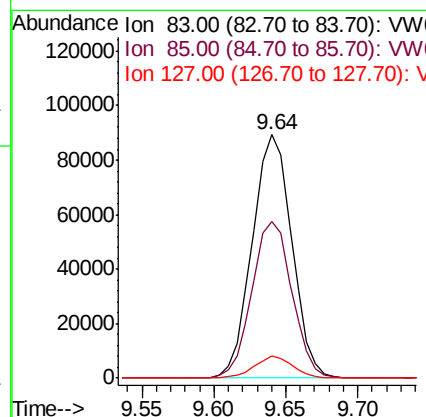
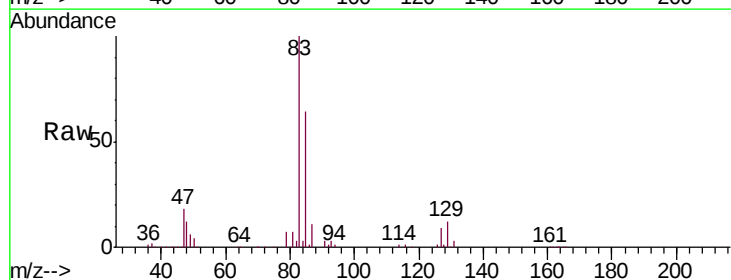
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

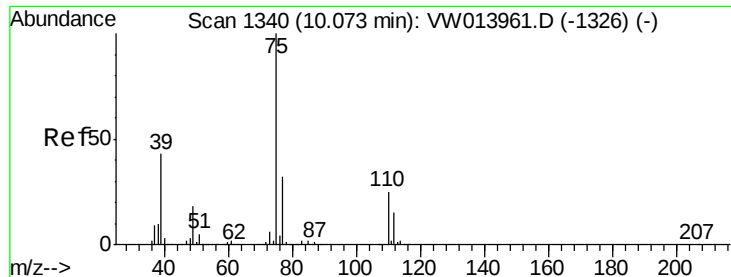
Tgt Ion: 63 Resp: 135915
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.9 5.9



#41
 Bromodichloromethane
 Concen: 27.259 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Tgt Ion: 83 Resp: 169715
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.1 83.7
 127 9.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 26.853 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

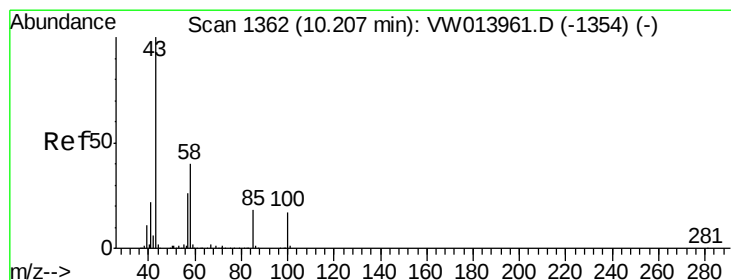
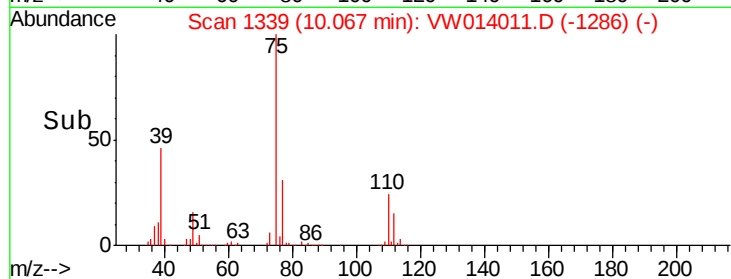
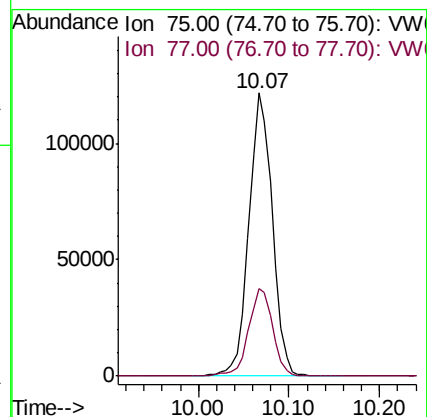
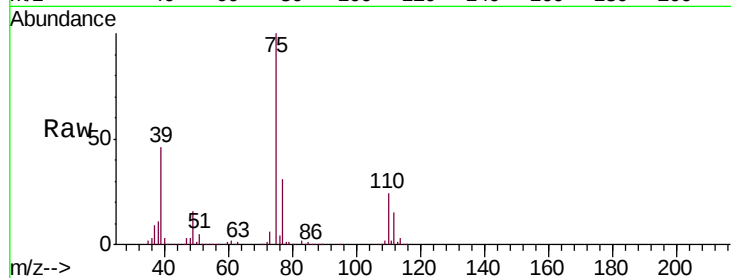
VSTD02525

Tgt Ion: 75 Resp: 218244

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 53.602 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

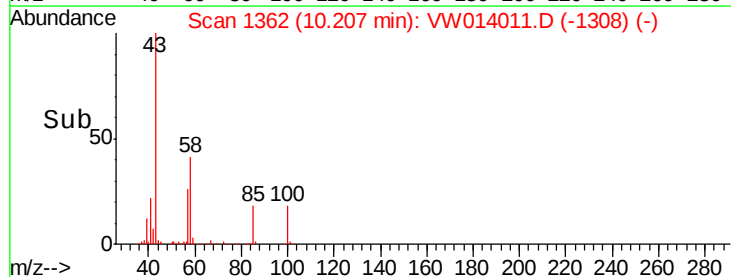
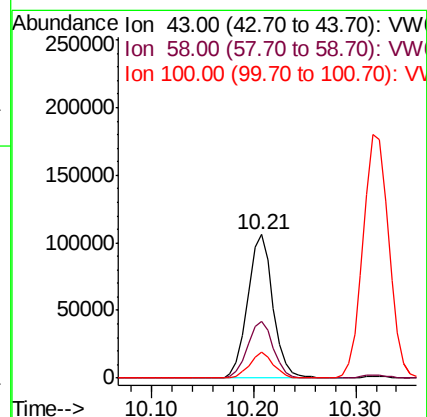
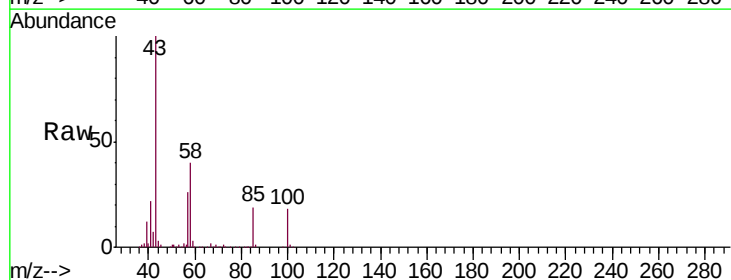
Tgt Ion: 43 Resp: 182263

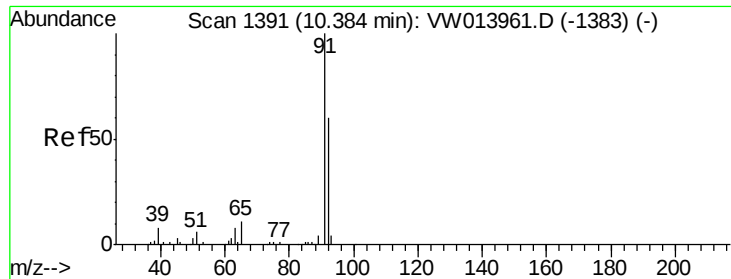
Ion Ratio Lower Upper

43 100

58 40.6 32.6 49.0

100 17.2 13.8 20.8





#44

Toluene

Concen: 26.312 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

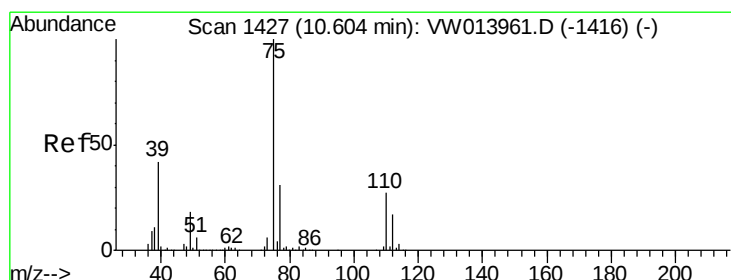
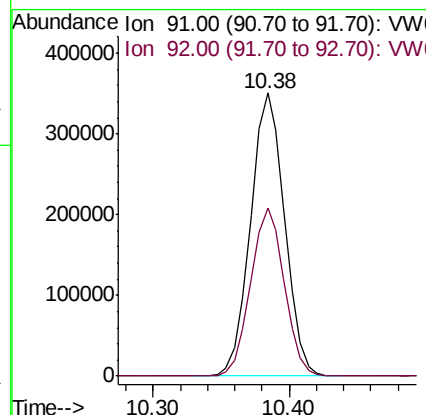
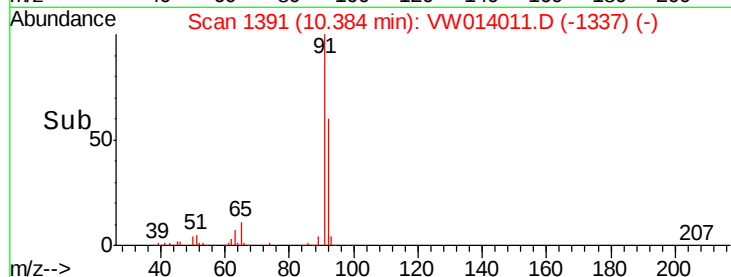
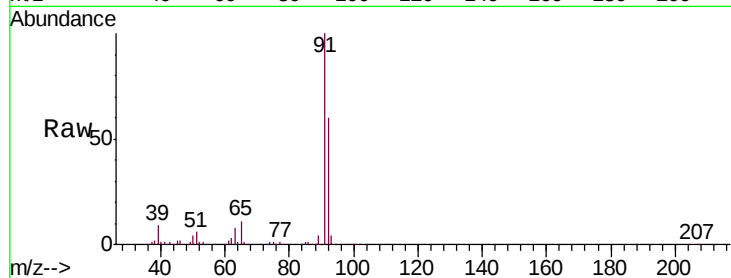
VSTD02525

Tgt Ion: 91 Resp: 613722

Ion Ratio Lower Upper

91 100

92 59.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 27.343 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014011.D

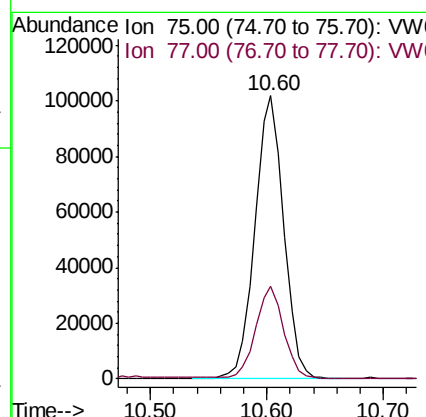
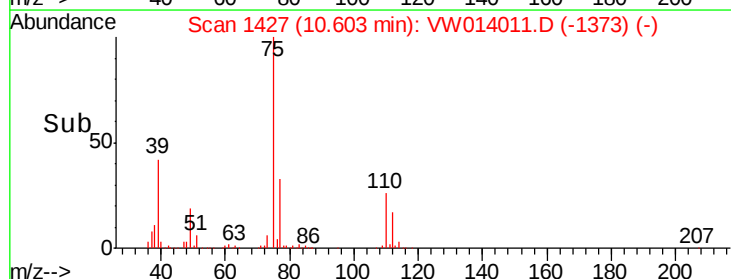
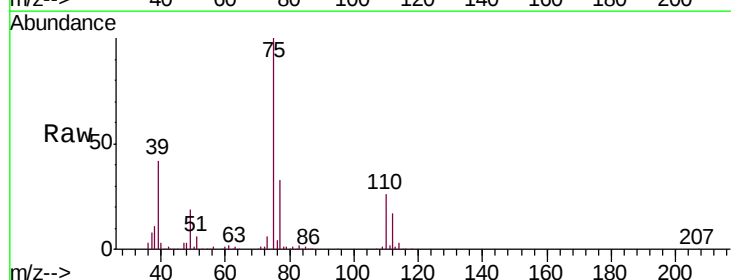
Acq: 14 Nov 2019 09:27

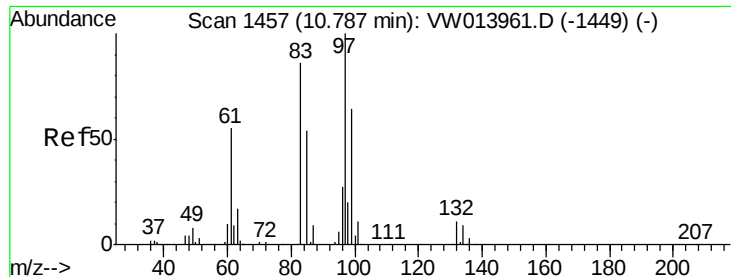
Tgt Ion: 75 Resp: 175731

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 26.921 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

Tgt Ion: 97 Resp: 101872

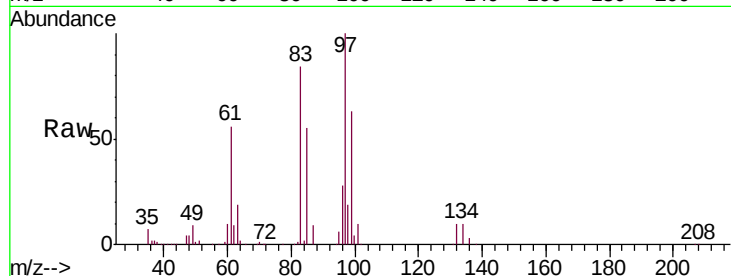
Ion Ratio Lower Upper

97 100

83 84.2 58.9 109.5

85 54.5 38.1 70.9

99 63.2 46.5 86.3



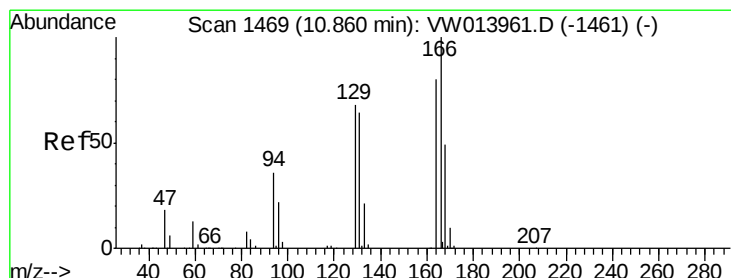
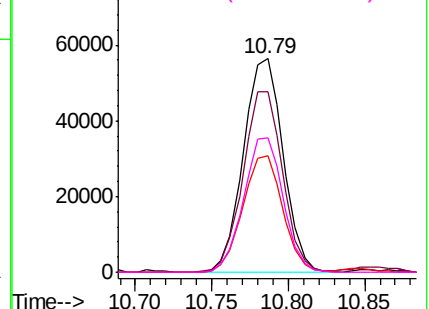
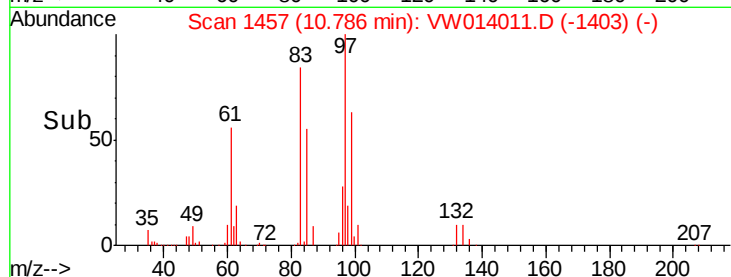
Abundance

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: 26.283 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Tgt Ion: 164 Resp: 133691

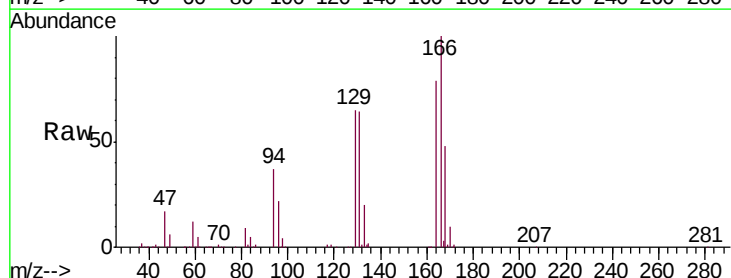
Ion Ratio Lower Upper

164 100

129 82.5 60.6 112.6

131 81.2 59.1 109.7

166 126.6 90.8 168.6



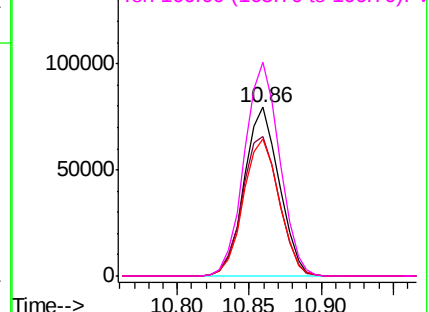
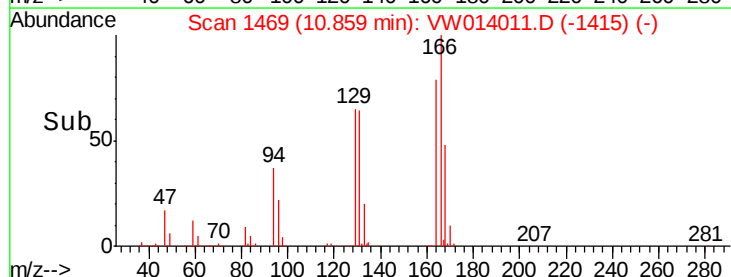
Abundance

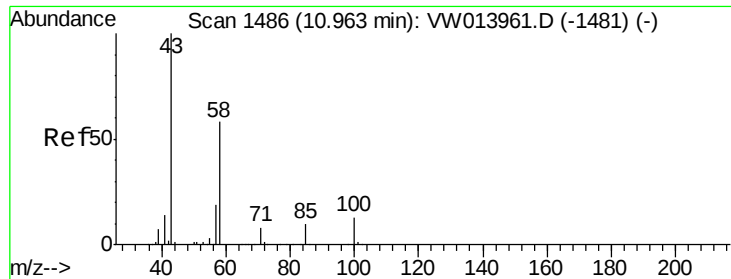
Ion 164.00 (163.70 to 164.70): V

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

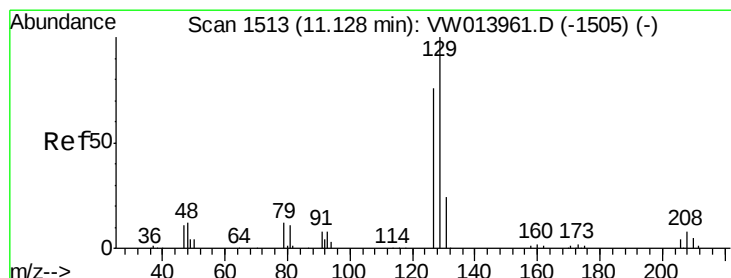
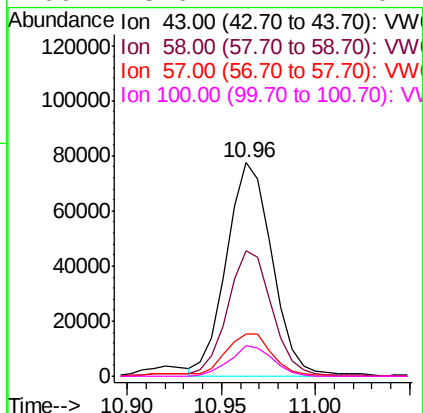
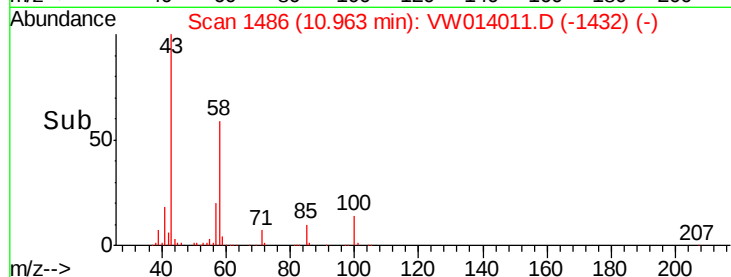
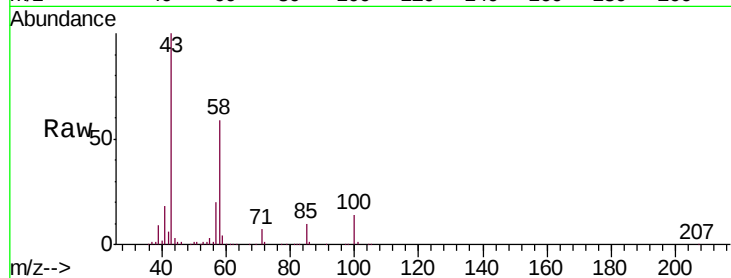




#49
2-Hexanone
Concen: 53.205 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

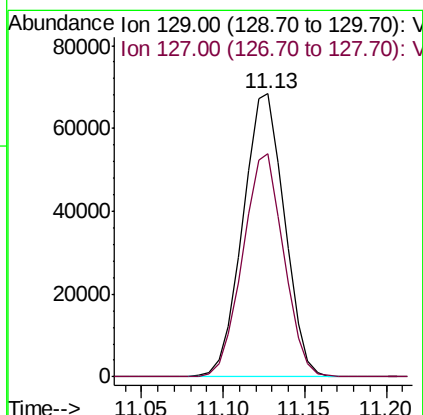
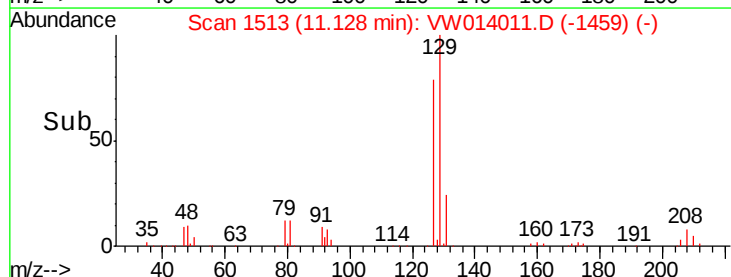
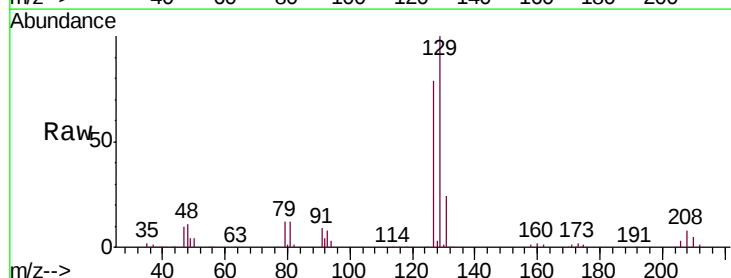
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

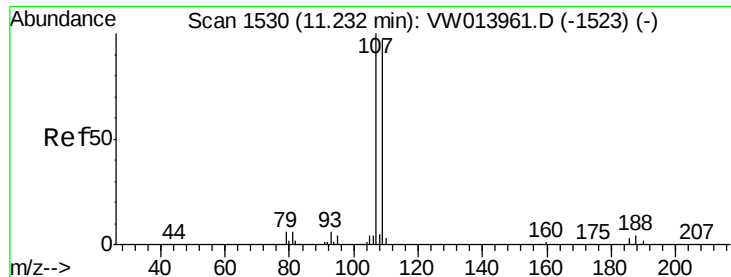
Tgt Ion: 43 Resp: 130430
Ion Ratio Lower Upper
43 100
58 58.7 44.4 66.6
57 21.0 16.5 24.7
100 13.6 11.1 16.7



#50
Dibromochloromethane
Concen: 27.373 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion: 129 Resp: 121750
Ion Ratio Lower Upper
129 100
127 79.0 54.9 102.1

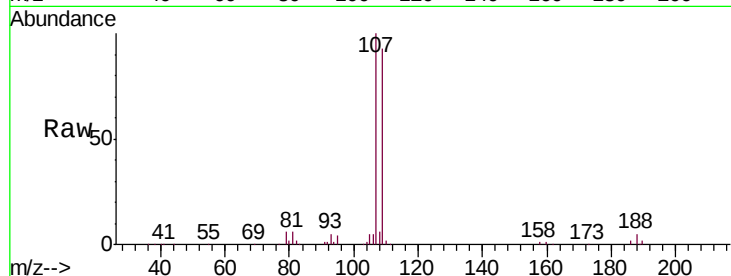




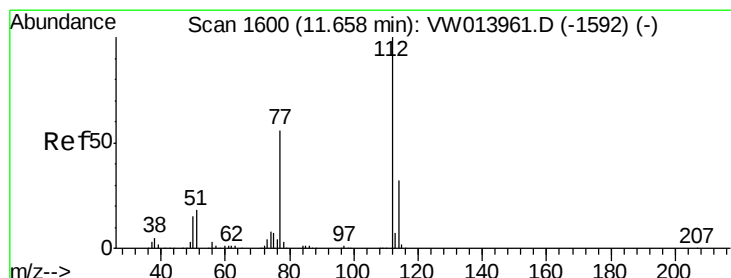
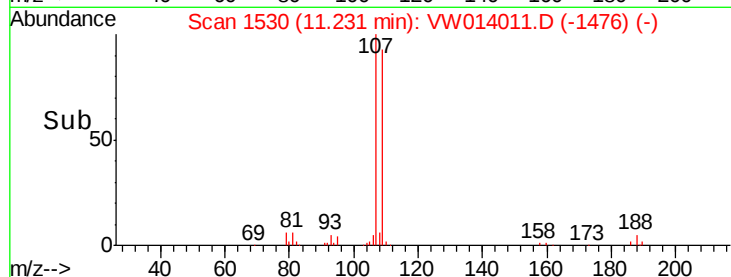
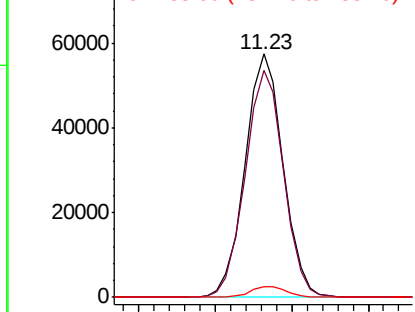
#51
1,2-Dibromoethane
Concen: 26.928 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

Tgt Ion:107 Resp: 98864
Ion Ratio Lower Upper
107 100
109 93.4 64.6 120.0
188 4.6 3.9 5.9

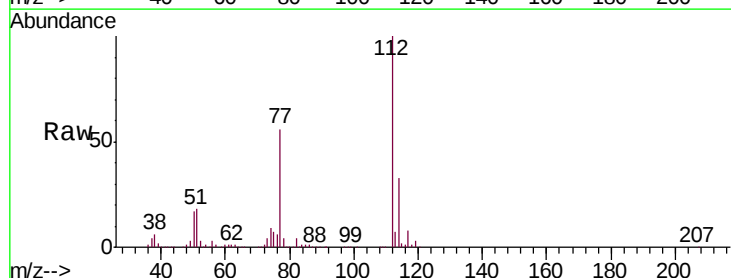


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

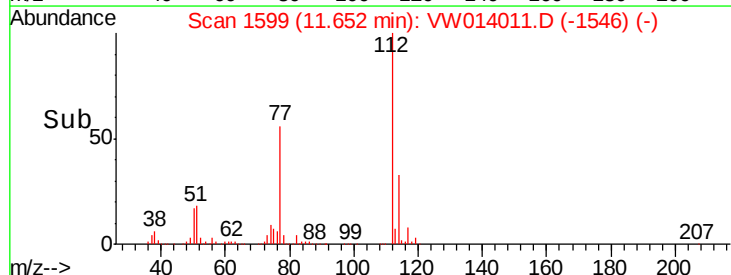
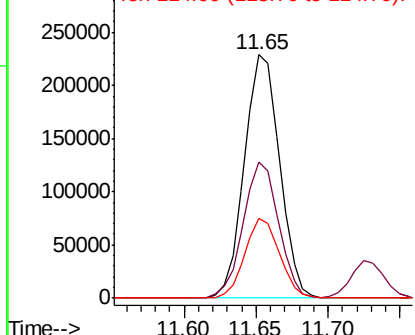


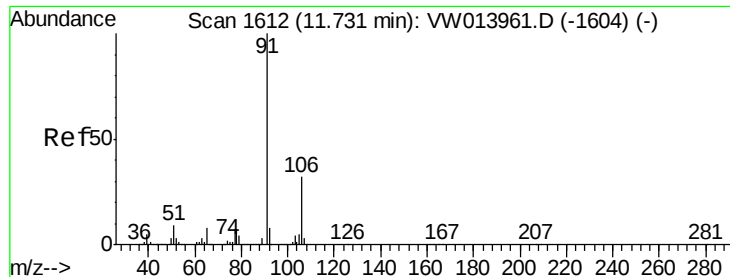
#52
Chlorobenzene
Concen: 26.538 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion:112 Resp: 388051
Ion Ratio Lower Upper
112 100
77 55.7 42.2 63.4
114 32.8 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

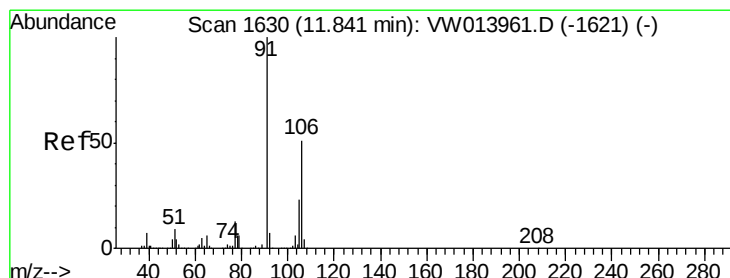
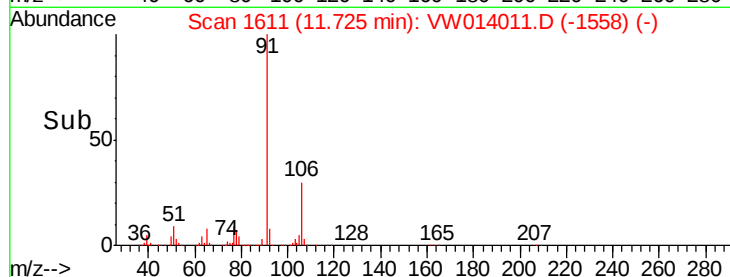
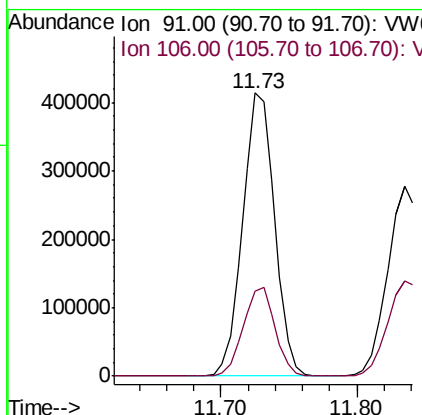
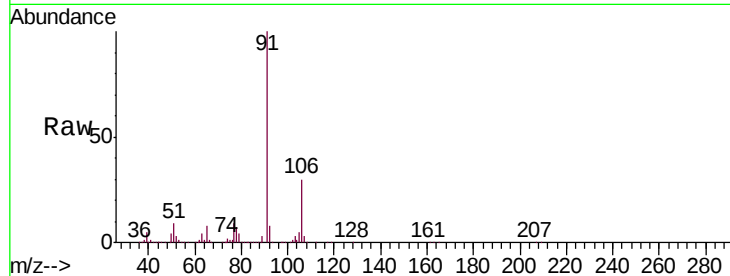




#53
Ethylbenzene
Concen: 26.576 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

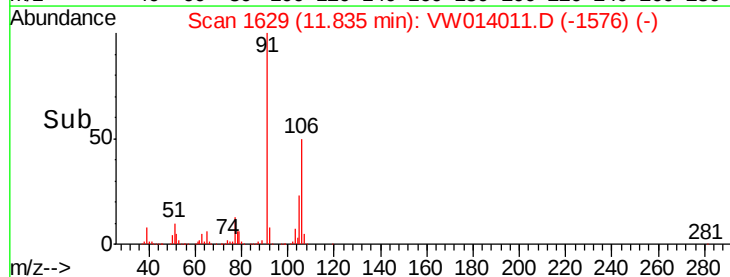
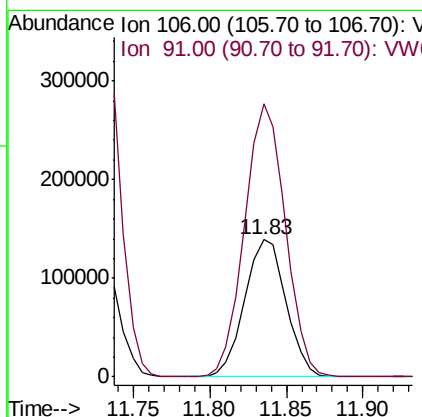
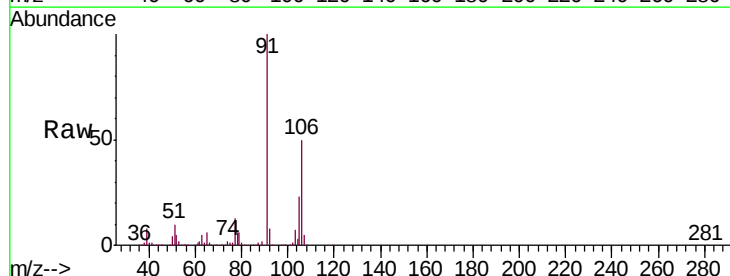
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

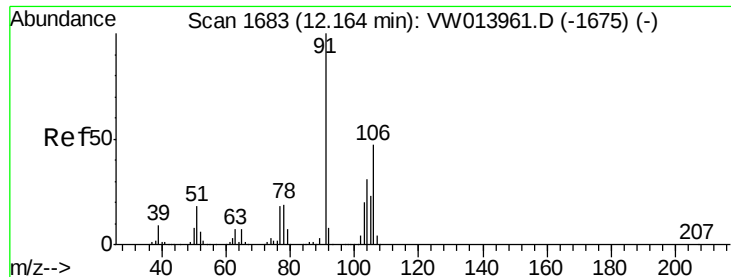
Tgt Ion: 91 Resp: 680226
Ion Ratio Lower Upper
91 100
106 30.1 22.3 41.5



#54
m,p-Xylene
Concen: 26.260 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion: 106 Resp: 261212
Ion Ratio Lower Upper
106 100
91 199.6 138.7 257.5

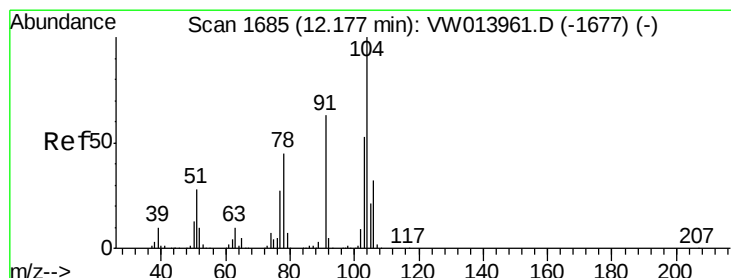
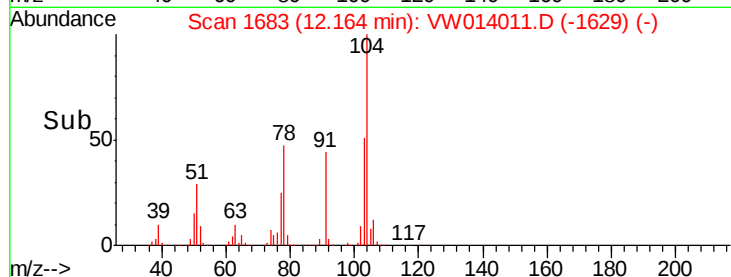
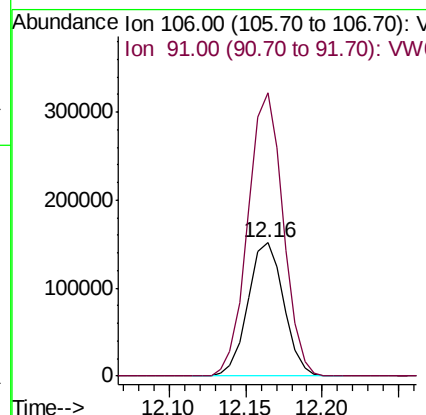
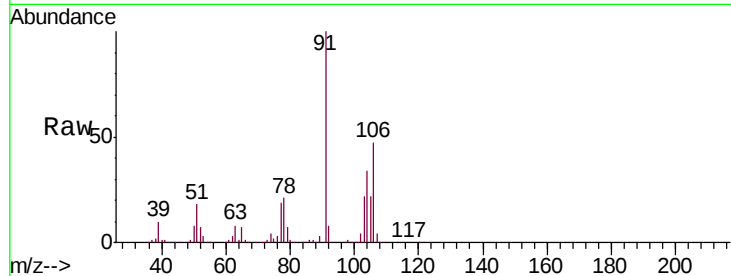




#55
o-xylene
Concen: 26.580 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

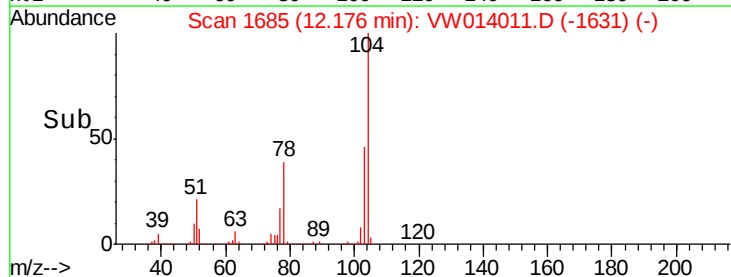
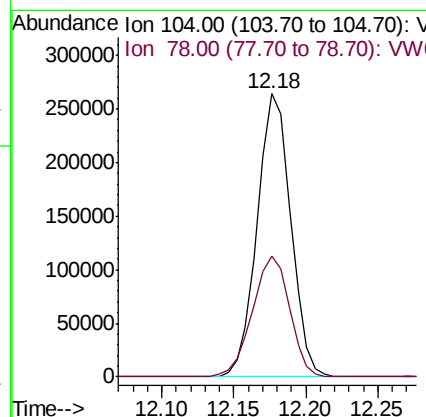
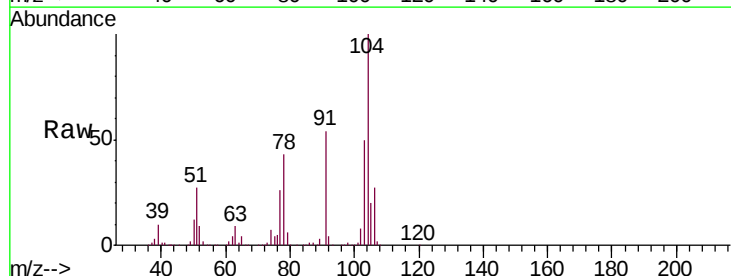
Instrument :
MSVOA_W
ClientSampleId :
VSTD02525

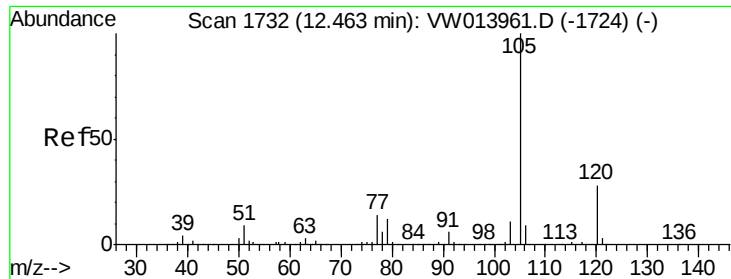
Tgt Ion:106 Resp: 247582
Ion Ratio Lower Upper
106 100
91 212.3 148.3 275.5



#56
Styrene
Concen: 27.081 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014011.D
Acq: 14 Nov 2019 09:27

Tgt Ion:104 Resp: 426131
Ion Ratio Lower Upper
104 100
78 42.6 30.6 56.8





#57

Isopropylbenzene

Concen: 26.343 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

VSTD02525

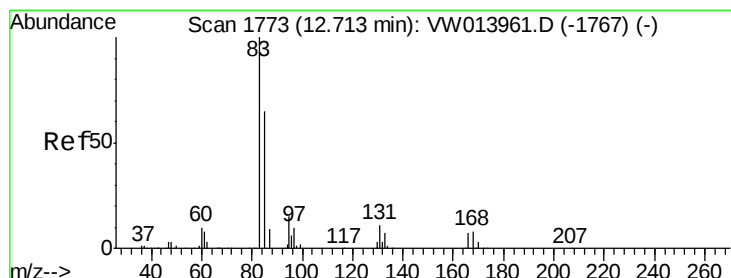
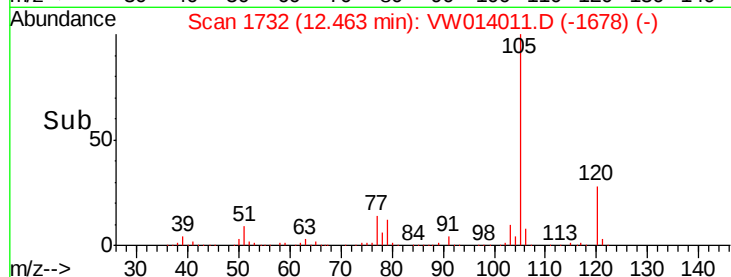
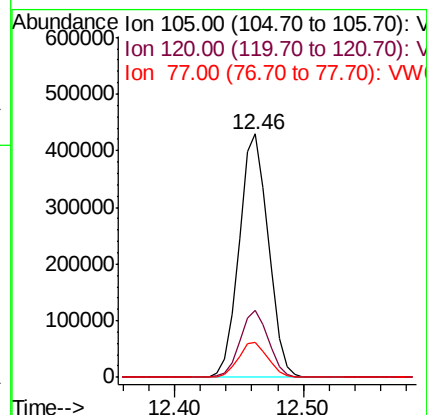
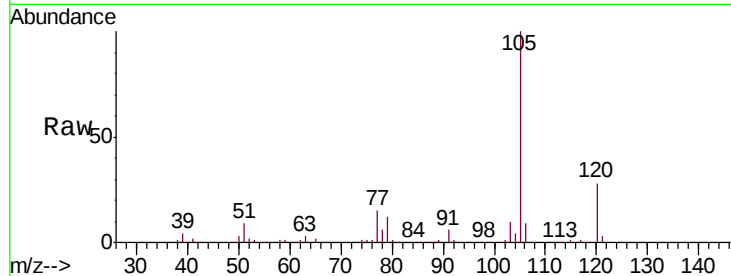
Tgt Ion: 105 Resp: 674663

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

77 14.5 11.6 17.4



#58

1,1,2,2-Tetrachloroethane

Concen: 27.916 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

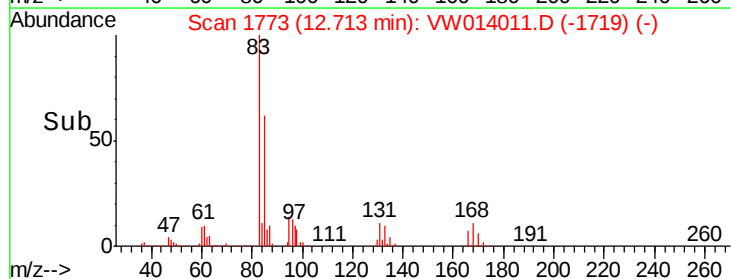
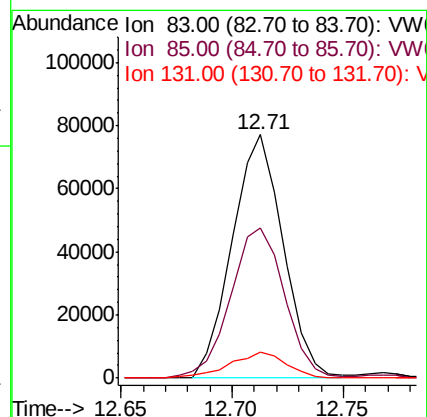
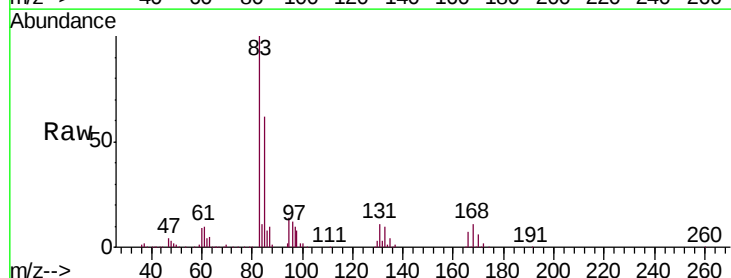
Tgt Ion: 83 Resp: 123328

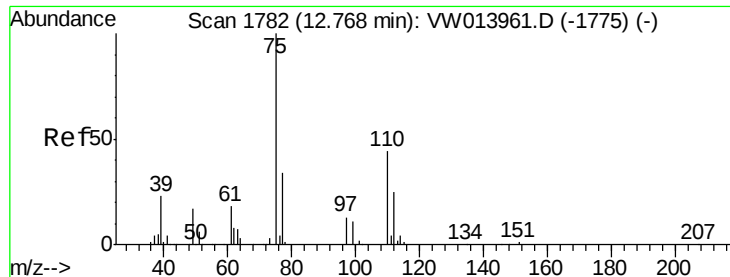
Ion Ratio Lower Upper

83 100

85 61.6 43.7 81.1

131 10.5 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 27.588 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampleId :

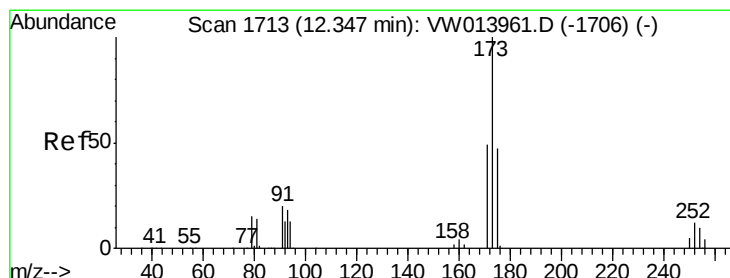
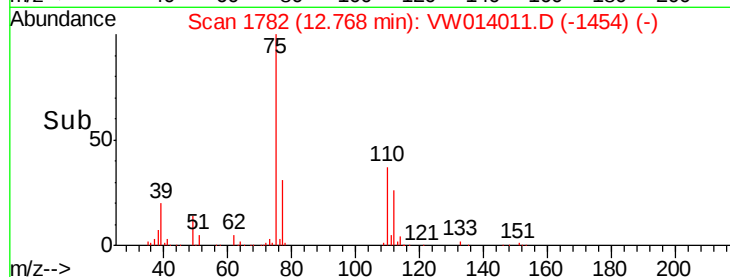
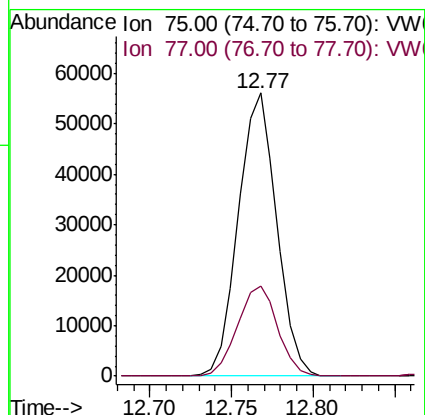
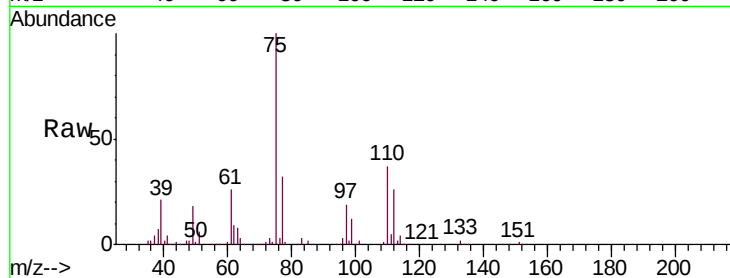
VSTD02525

Tgt Ion: 75 Resp: 91665

Ion Ratio Lower Upper

75 100

77 33.5 25.9 38.9



#62

Bromoform

Concen: 26.361 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

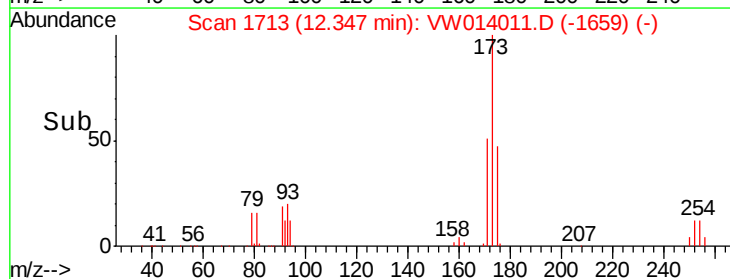
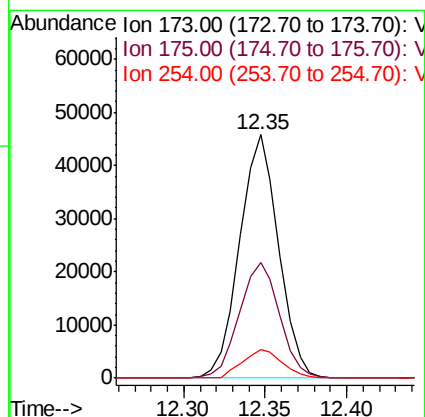
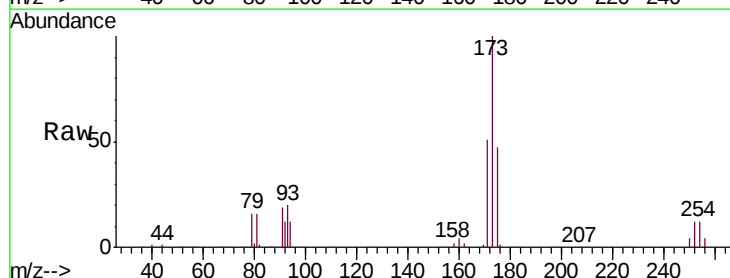
Tgt Ion: 173 Resp: 76100

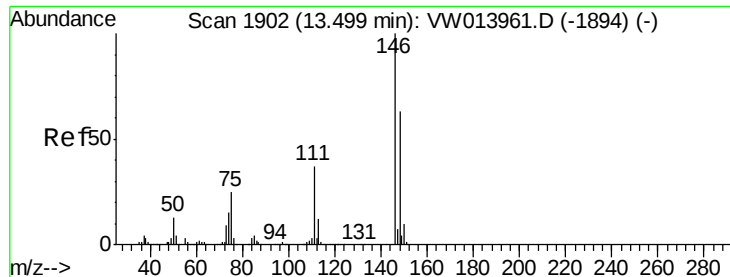
Ion Ratio Lower Upper

173 100

175 49.1 38.8 58.2

254 11.9 9.4 14.0

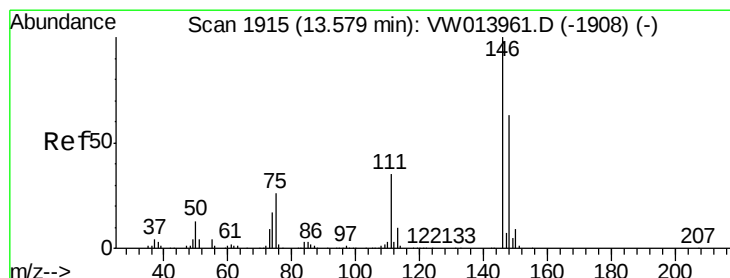
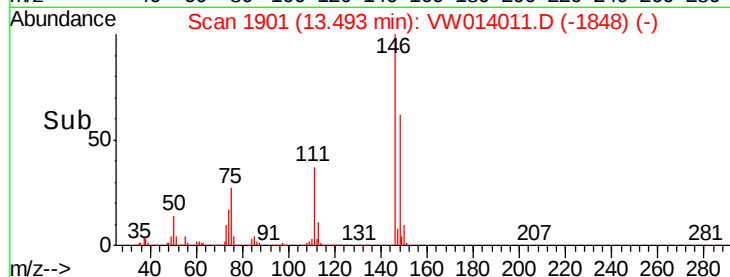
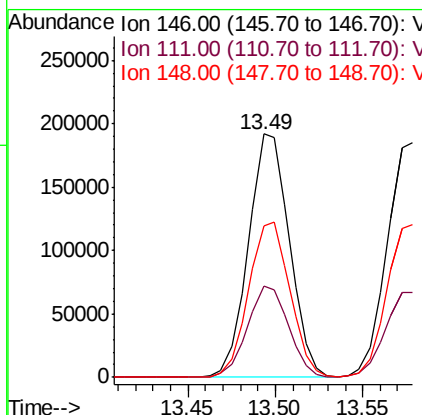
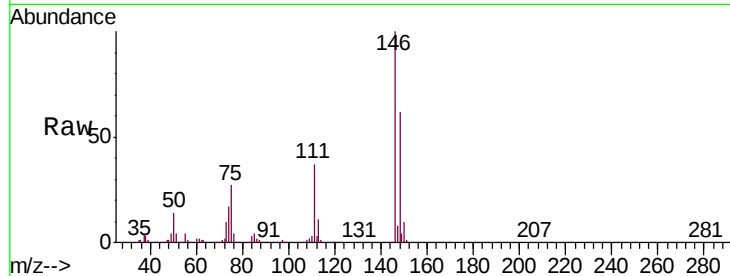




#63
 1,3-Dichlorobenzene
 Concen: 25.306 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

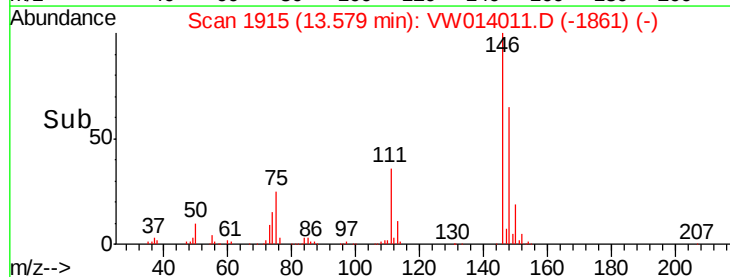
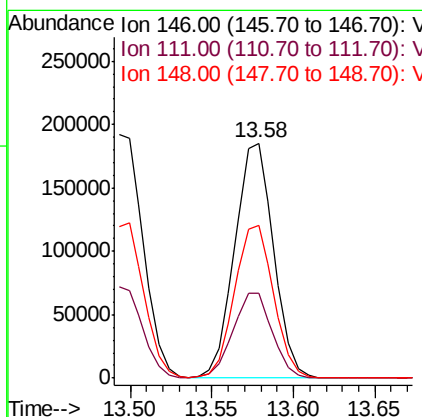
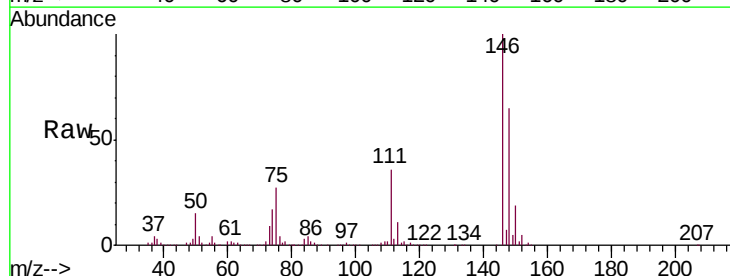
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

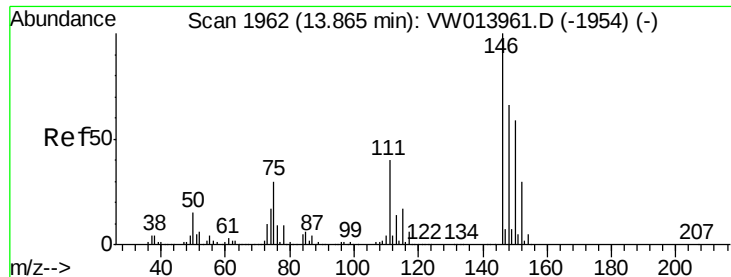
Tgt Ion:146 Resp: 313015
 Ion Ratio Lower Upper
 146 100
 111 37.3 26.0 48.2
 148 62.5 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.140 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Tgt Ion:146 Resp: 307231
 Ion Ratio Lower Upper
 146 100
 111 36.3 24.9 46.3
 148 65.0 43.9 81.5

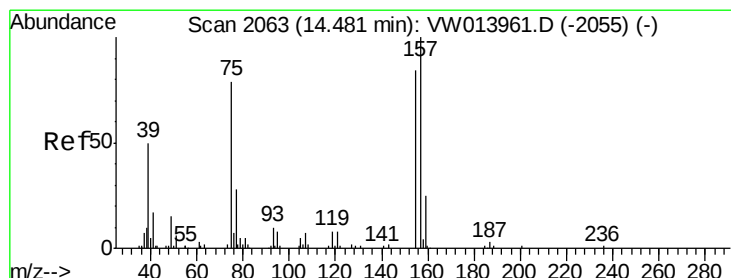
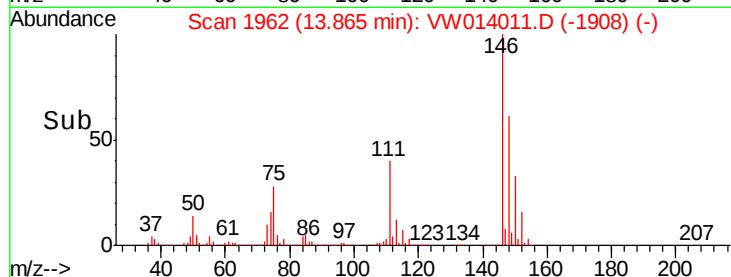
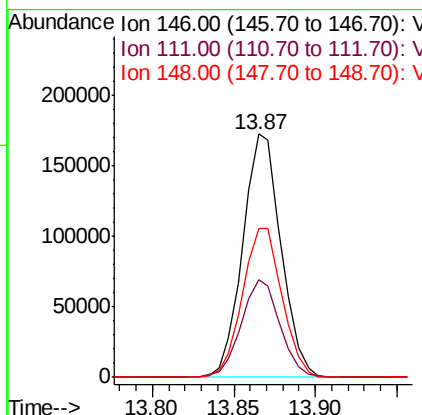
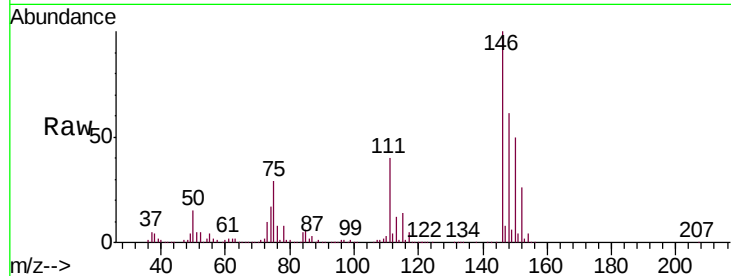




#65
 1,2-Dichlorobenzene
 Concen: 25.726 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

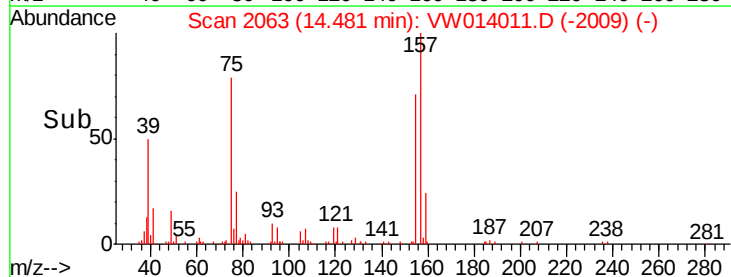
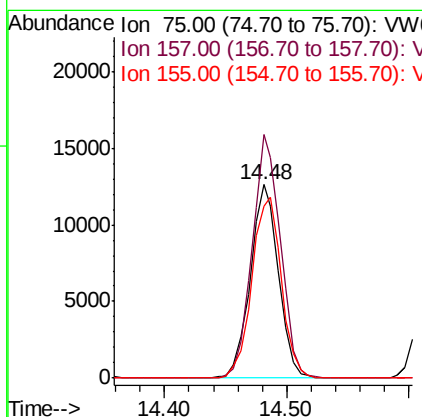
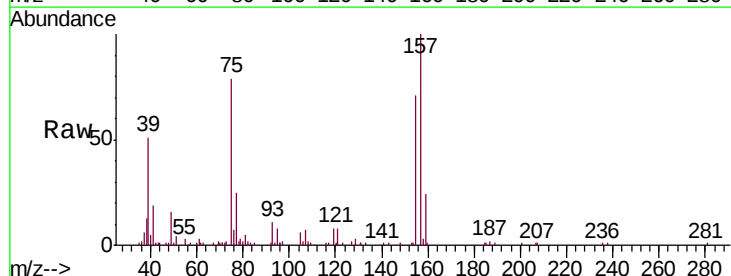
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

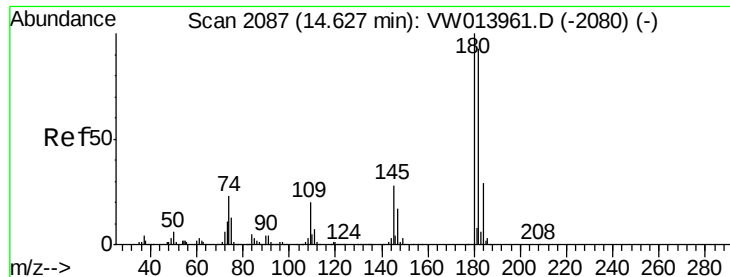
Tgt Ion: 146 Resp: 281775
 Ion Ratio Lower Upper
 146 100
 111 39.9 30.5 45.7
 148 61.4 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.024 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Tgt Ion: 75 Resp: 20158
 Ion Ratio Lower Upper
 75 100
 157 125.9 96.9 145.3
 155 89.2 82.9 124.3

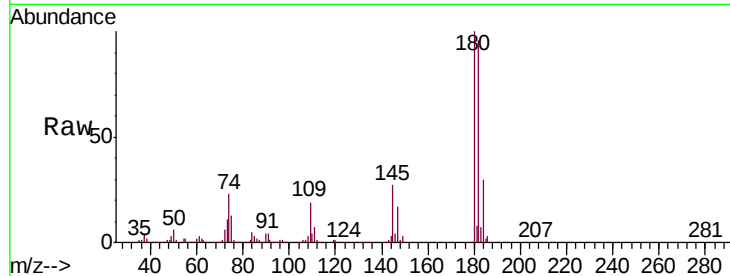




#67
 1,3,5-Trichlorobenzene
 Concen: 26.460 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02525

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	29.7	24.3	36.5
145	27.3	21.9	32.9



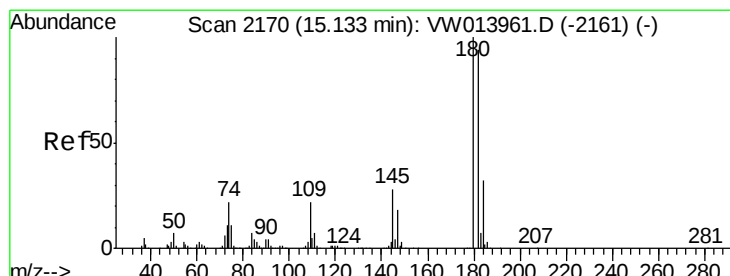
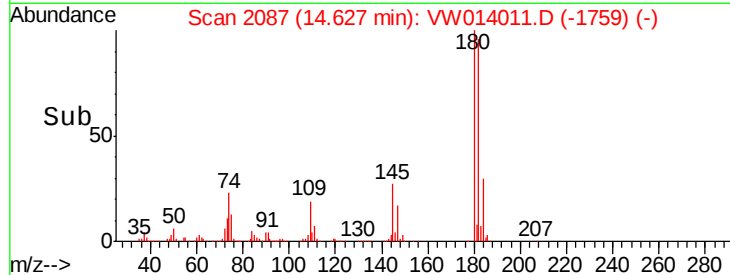
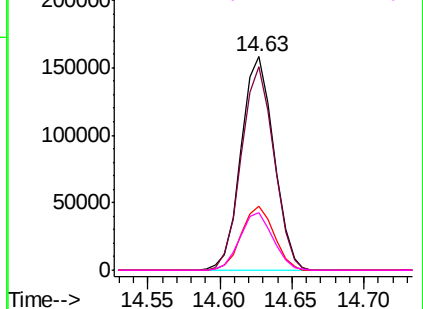
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

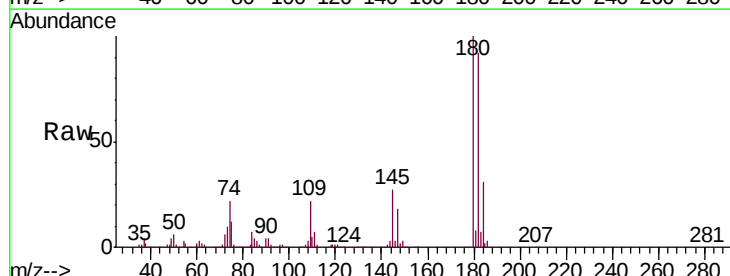
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.018 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014011.D
 Acq: 14 Nov 2019 09:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.8	113.8
145	28.2	22.4	33.6

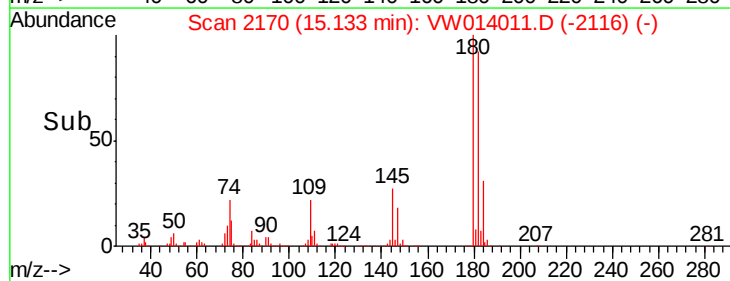
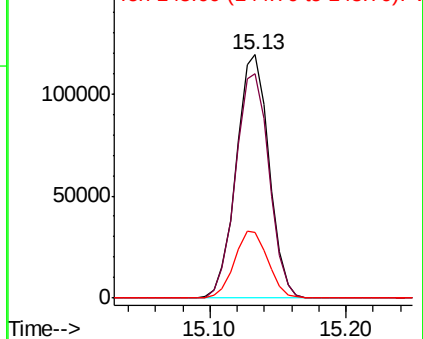


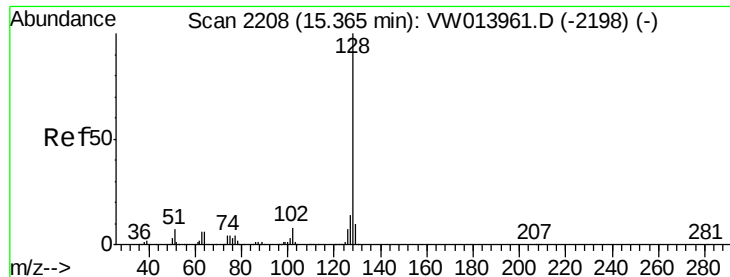
Abundance

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: 27.967 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

Instrument :

MSVOA_W

ClientSampled :

VSTD02525

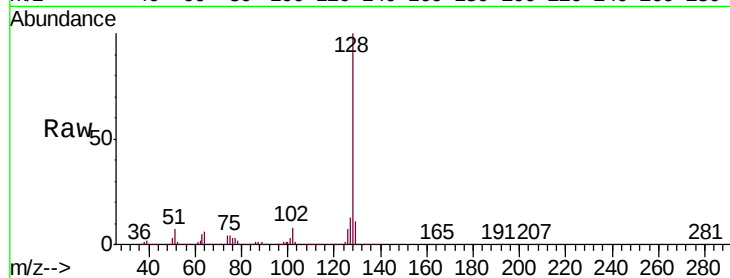
Tgt Ion:128 Resp: 368272

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

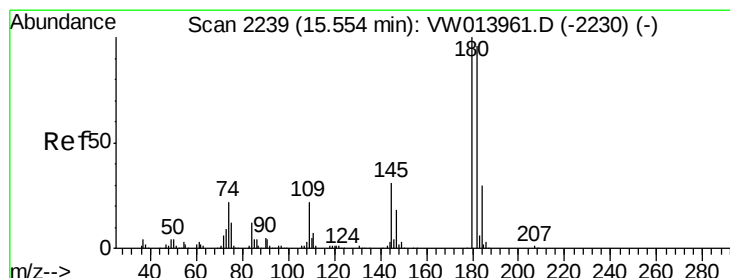
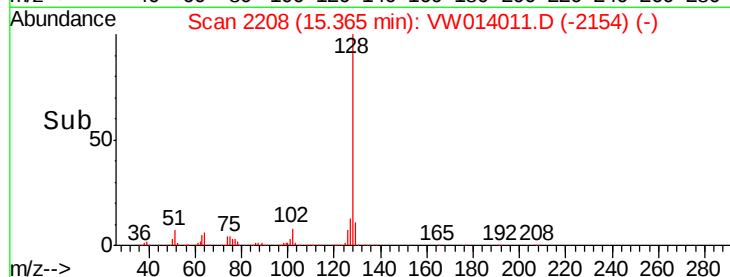
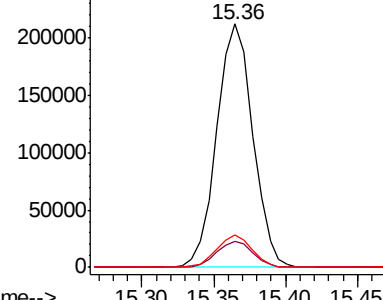
127 13.2 10.4 15.6



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: 26.817 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014011.D

Acq: 14 Nov 2019 09:27

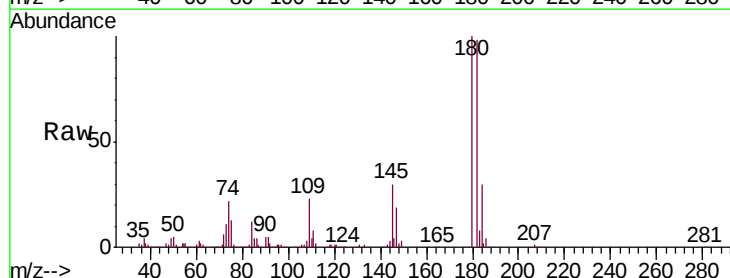
Tgt Ion:180 Resp: 175417

Ion Ratio Lower Upper

180 100

182 97.2 75.8 113.6

145 30.0 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

