

Data File : VW013551.D
Acq On : 11 Oct 2019 20:58
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Quant Time: Oct 11 22:36:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 11 22:30:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	452745	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	404893	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	206303	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122755	23.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.76%
7) Chloroethane-d5	2.89	69	91307	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.80%
10) 1,1-Dichloroethene-d2	4.03	63	262326	24.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.56%
20) 2-Butanone-d5	7.07	46	81507	52.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.44%
24) Chloroform-d	7.65	84	246064	25.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.08%
26) 1,2-Dichloroethane-d4	8.31	65	129229	25.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.44%
29) Benzene-d6	8.27	84	534713	24.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.60%
33) 1,2-Dichloropropane-d6	9.27	67	157479	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.88%
37) Toluene-d8	10.32	98	497789	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.72%
38) trans-1,3-Dichloropropene-	10.58	79	69296	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.68%
39) 2-Hexanone-d5	10.92	63	67809	52.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131898	25.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	184051	24.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	56253	22.802 ug/L	95
3) Chloromethane	2.21	50	101514	23.419 ug/L	100
5) Vinyl chloride	2.35	62	152574	24.879 ug/L	98
6) Bromomethane	2.78	94	92743	24.689 ug/L	100
8) Chloroethane	2.92	64	85673	24.906 ug/L	99
9) Trichlorofluoromethane	3.25	101	73344	22.941 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	146315	25.787 ug/L	98
12) 1,1-Dichloroethene	4.04	96	145583	25.616 ug/L	89
13) Acetone	4.12	43	70558	39.332 ug/L	99
14) Carbon disulfide	4.38	76	435591	25.115 ug/L	99
15) Methyl Acetate	4.67	43	74985	26.797 ug/L	99
16) Methylene chloride	4.92	84	157898	23.026 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	243625	26.675 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	154977	25.554 ug/L	99
19) 1,1-Dichloroethane	6.21	63	267556	26.277 ug/L	97
21) 2-Butanone	7.17	43	104574	47.651 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	167199	25.777 ug/L	99

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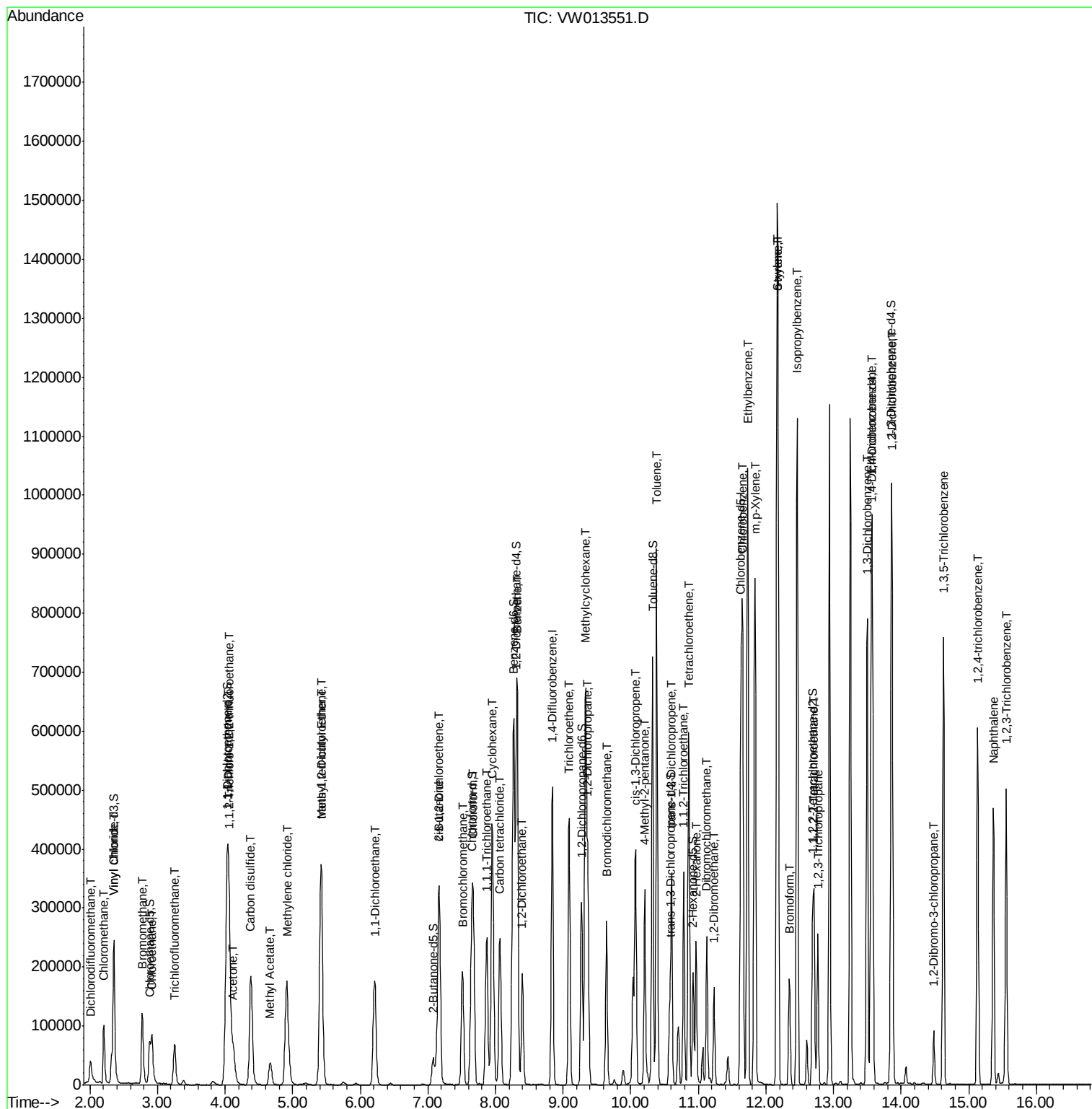
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	77872	26.812	ug/L	95
25) Chloroform	7.67	83	265077	26.389	ug/L	100
27) 1,2-Dichloroethane	8.40	62	169396	26.663	ug/L	100
30) Cyclohexane	7.95	56	261464	24.560	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	210026	25.754	ug/L	100
32) Carbon tetrachloride	8.07	117	198502	25.376	ug/L	99
34) Benzene	8.32	78	626517	25.613	ug/L	100
35) Trichloroethene	9.09	95	162108	25.407	ug/L	99
36) Methylcyclohexane	9.34	83	289261	24.930	ug/L	100
40) 1,2-Dichloropropane	9.37	63	151750	25.752	ug/L	99
41) Bromodichloromethane	9.64	83	191516	26.461	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	243268	25.734	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	218376	53.114	ug/L	100
44) Toluene	10.38	91	684400	25.818	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	196331	26.302	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	118904	26.582	ug/L	99
47) Tetrachloroethene	10.86	164	146761	25.238	ug/L	96
49) 2-Hexanone	10.97	43	155521	52.046	ug/L	99
50) Dibromochloromethane	11.13	129	141493	26.866	ug/L	98
51) 1,2-Dibromoethane	11.23	107	116684	26.555	ug/L	99
52) Chlorobenzene	11.66	112	434006	25.796	ug/L	99
53) Ethylbenzene	11.73	91	754635	25.717	ug/L	98
54) m,p-Xylene	11.84	106	292165	25.523	ug/L	97
55) o-xylene	12.16	106	278548	26.069	ug/L	99
56) Styrene	12.18	104	479391	26.344	ug/L	94
57) Isopropylbenzene	12.46	105	755477	26.063	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	148976	28.189	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107425	27.223	ug/L	98
62) Bromoform	12.35	173	89057	26.839	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	352011	25.463	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	347387	25.244	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	319516	25.706	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	22756	26.519	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	256037	24.539	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	212736	24.599	ug/L	99
69) Naphthalene	15.36	128	410442	26.057	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	190534	24.742	ug/L	98

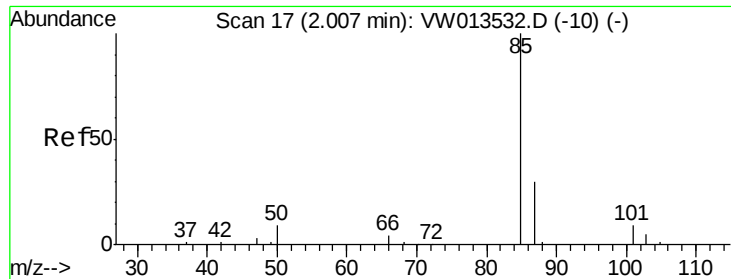
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.802 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

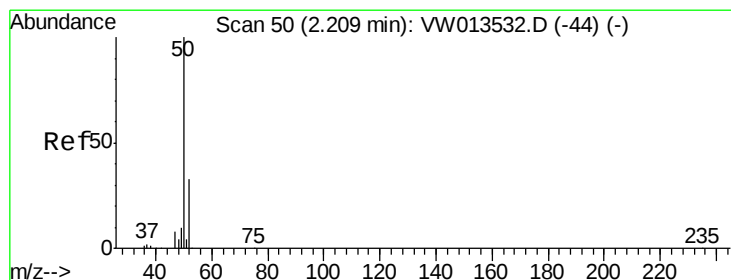
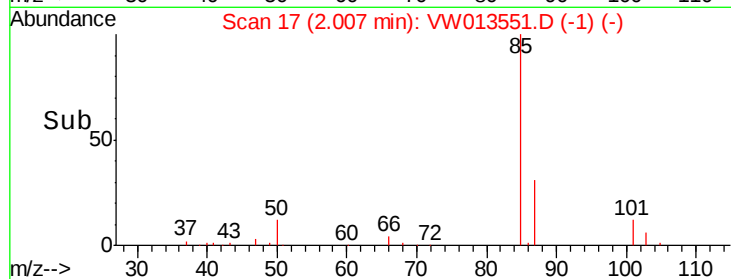
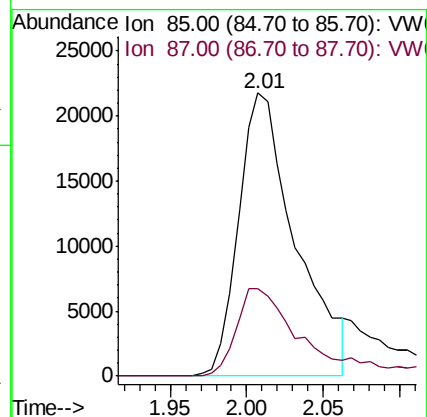
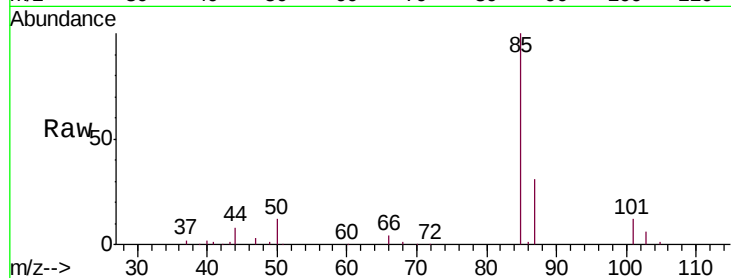
VSTD02512

Tgt Ion: 85 Resp: 56253

Ion Ratio Lower Upper

85 100

87 31.8 20.4 38.0



#3

Chloromethane

Concen: 23.419 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013551.D

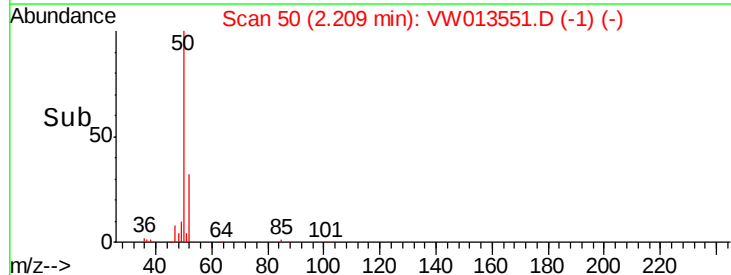
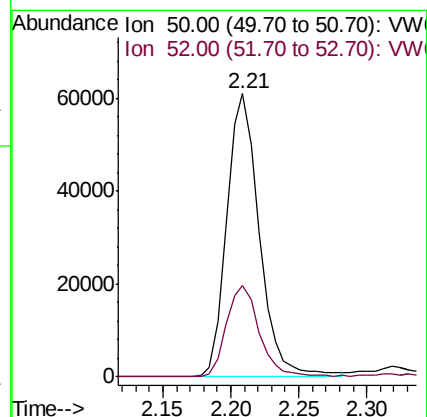
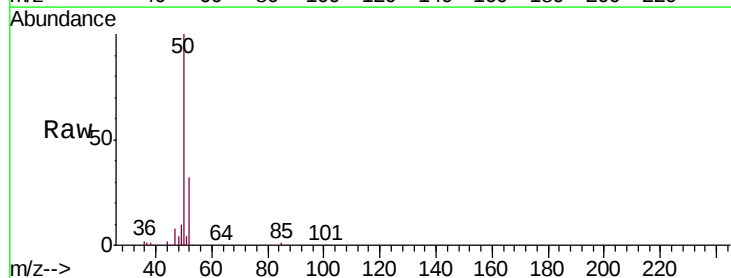
Acq: 11 Oct 2019 20:58

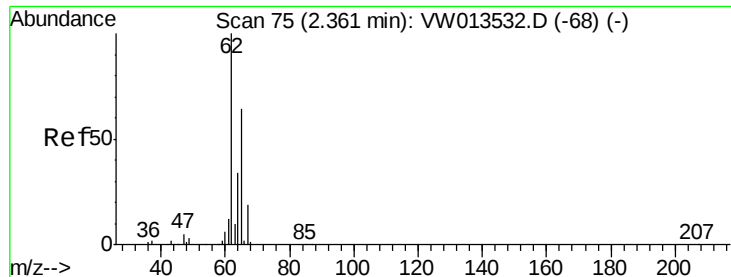
Tgt Ion: 50 Resp: 101514

Ion Ratio Lower Upper

50 100

52 32.1 22.6 42.0





#5

Vinyl chloride

Concen: 24.879 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

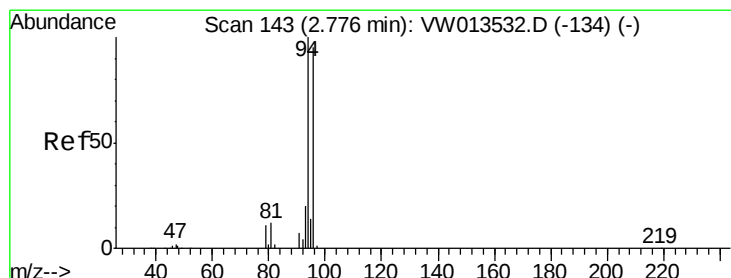
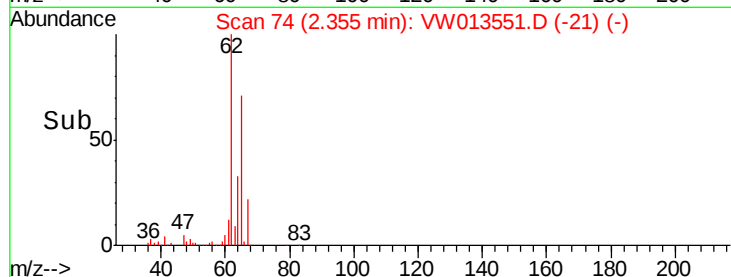
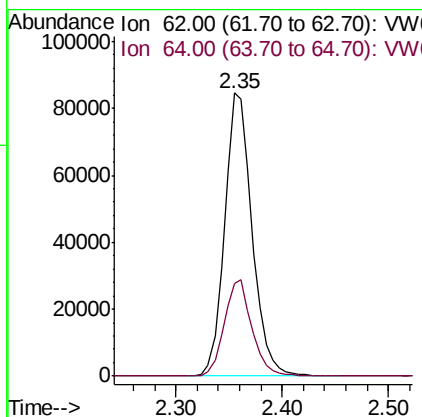
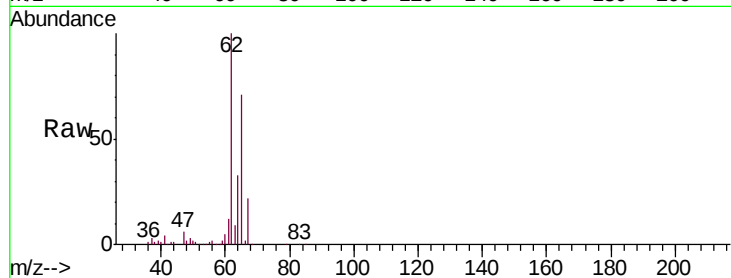
VSTD02512

Tgt Ion: 62 Resp: 152574

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.3



#6

Bromomethane

Concen: 24.689 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013551.D

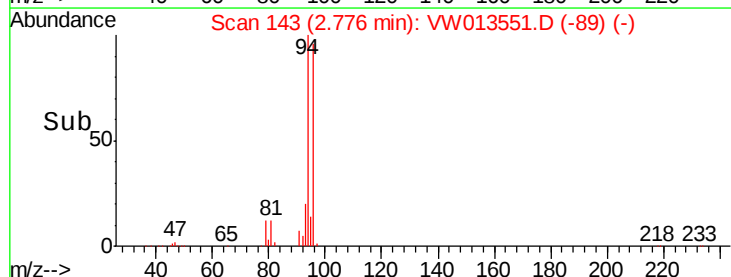
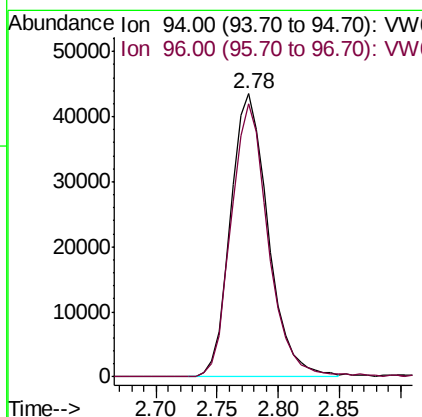
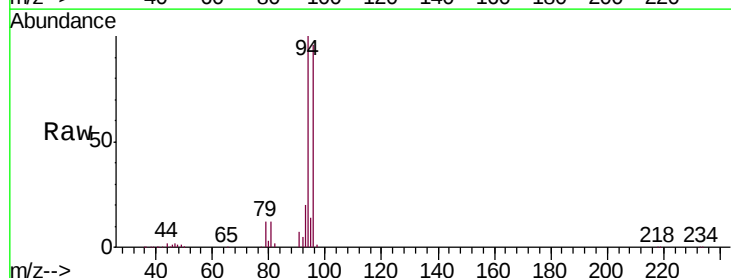
Acq: 11 Oct 2019 20:58

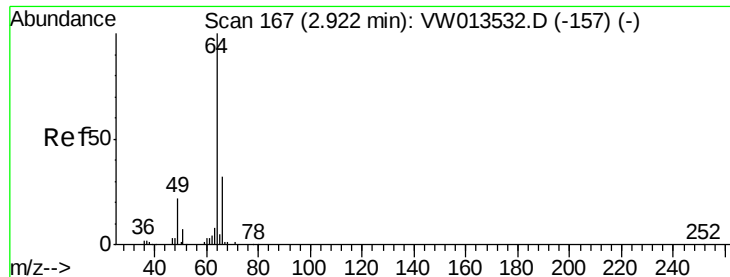
Tgt Ion: 94 Resp: 92743

Ion Ratio Lower Upper

94 100

96 94.8 9.5 179.9





#8

Chloroethane

Concen: 24.906 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

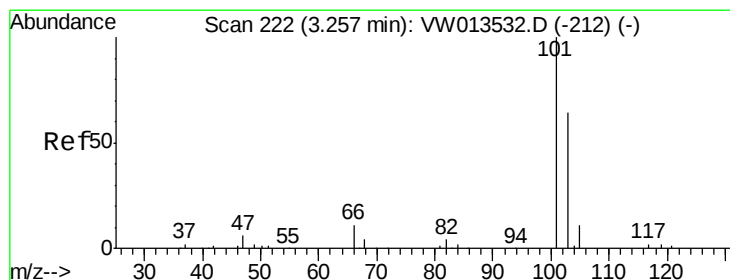
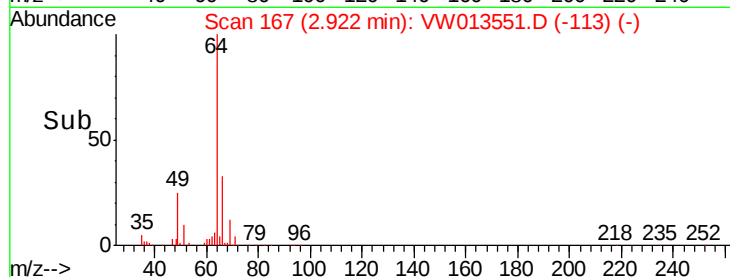
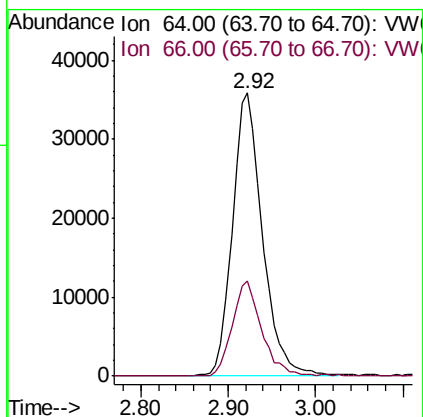
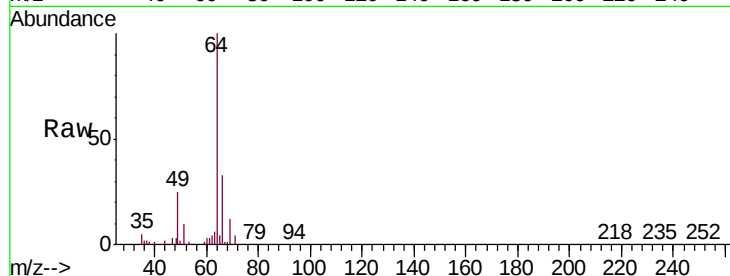
VSTD02512

Tgt Ion: 64 Resp: 85673

Ion Ratio Lower Upper

64 100

66 33.4 23.2 43.0



#9

Trichlorofluoromethane

Concen: 22.941 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013551.D

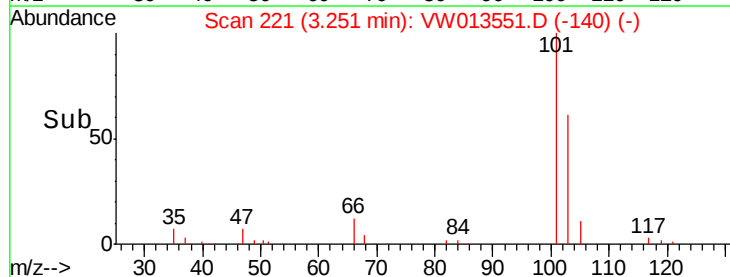
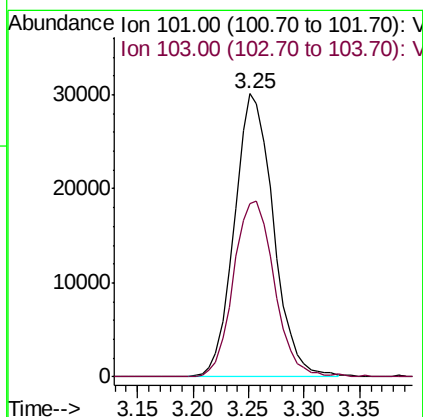
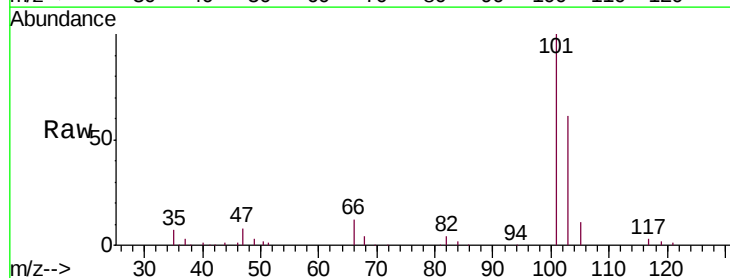
Acq: 11 Oct 2019 20:58

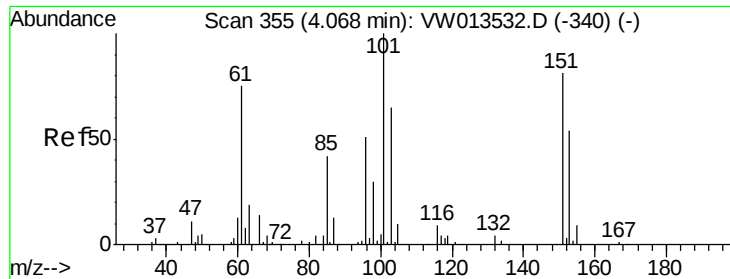
Tgt Ion: 101 Resp: 73344

Ion Ratio Lower Upper

101 100

103 64.7 46.0 85.4





#11

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

Concen: 25.787 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

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ClientSampleId :

VSTD02512

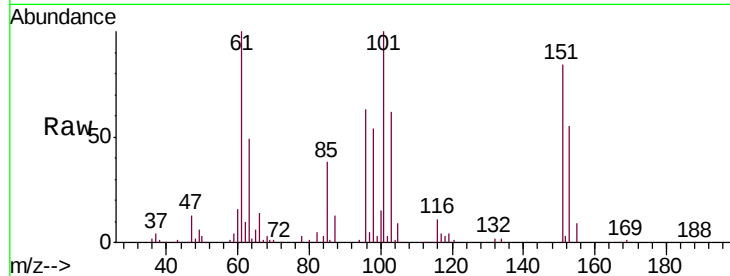
Tgt Ion: 101 Resp: 146315

Ion Ratio Lower Upper

101 100

85 38.1 32.0 48.0

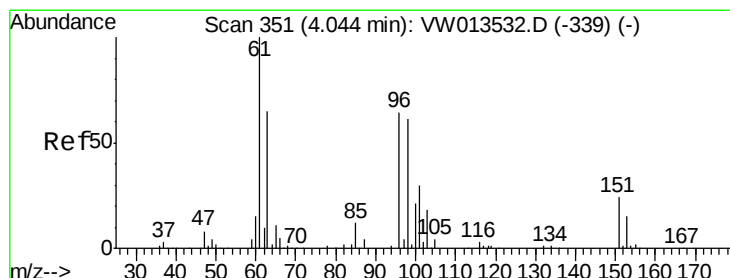
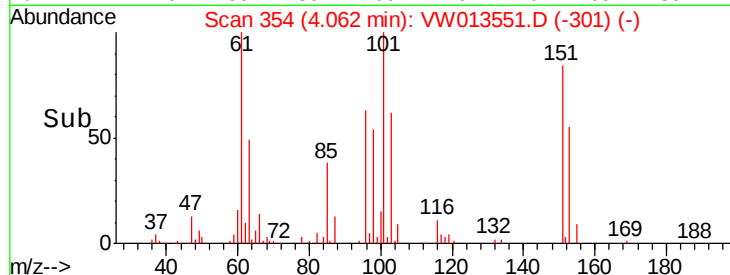
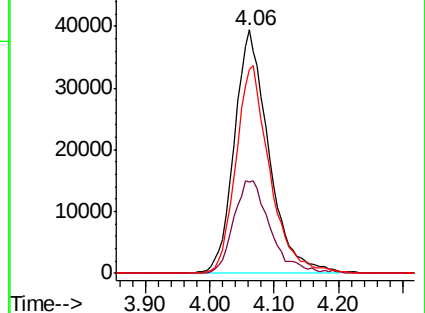
151 82.9 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.616 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

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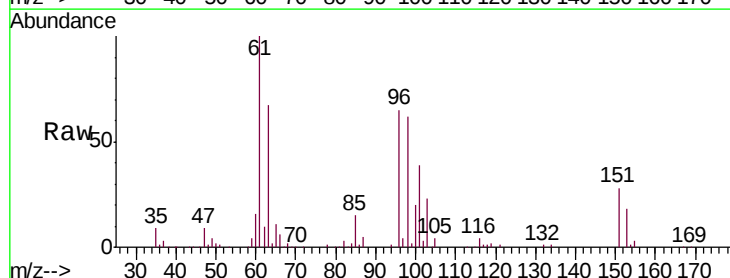
Tgt Ion: 96 Resp: 145583

Ion Ratio Lower Upper

96 100

61 153.0 111.0 206.2

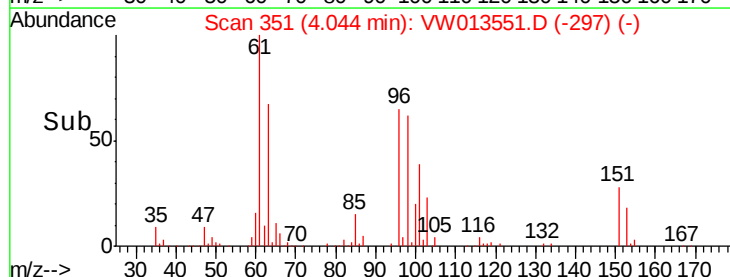
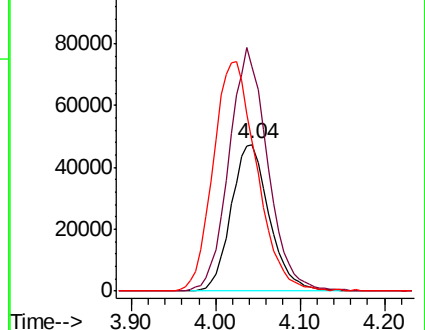
63 102.1 86.3 160.3

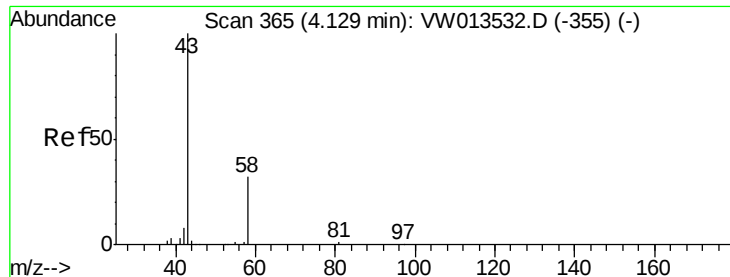


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.332 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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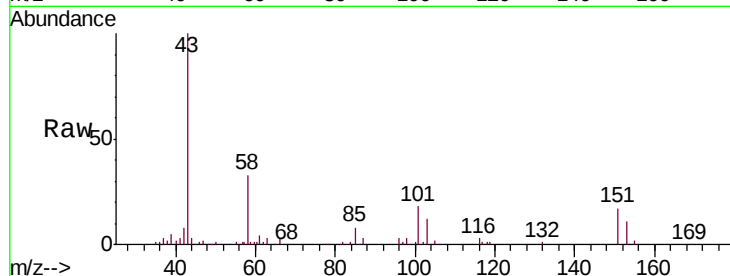
VSTD02512

Tgt Ion: 43 Resp: 70558

Ion Ratio Lower Upper

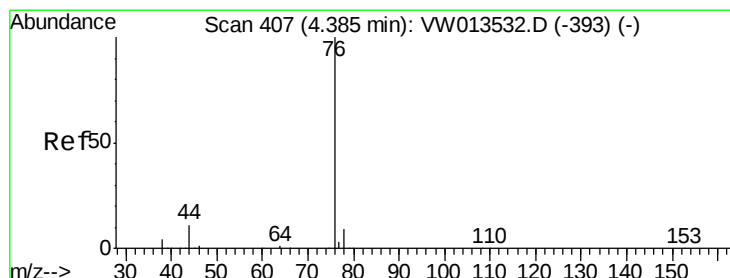
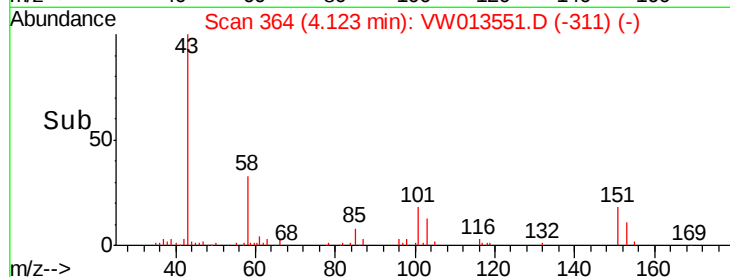
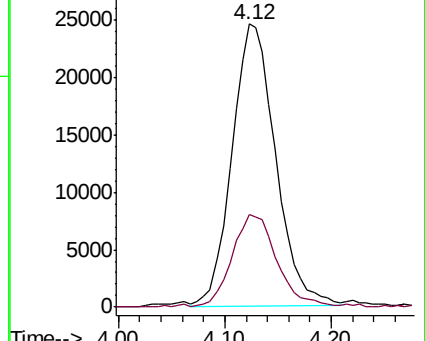
43 100

58 33.6 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.115 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013551.D

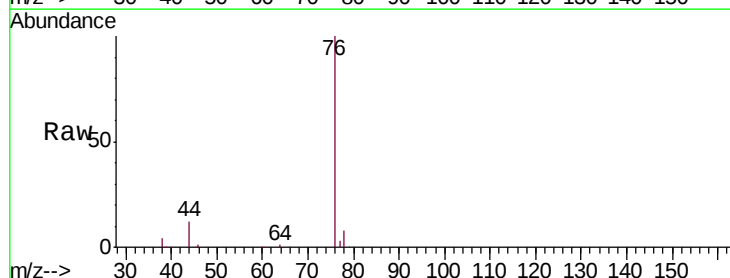
Acq: 11 Oct 2019 20:58

Tgt Ion: 76 Resp: 435591

Ion Ratio Lower Upper

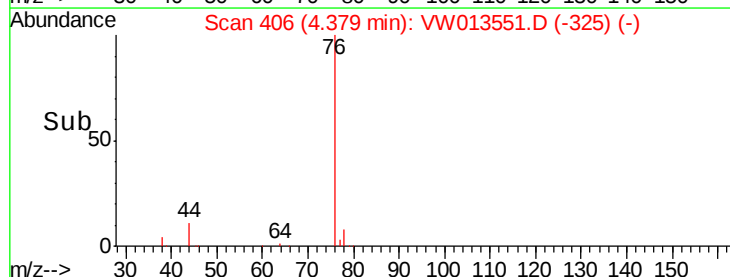
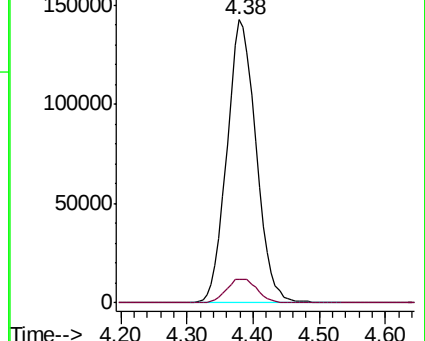
76 100

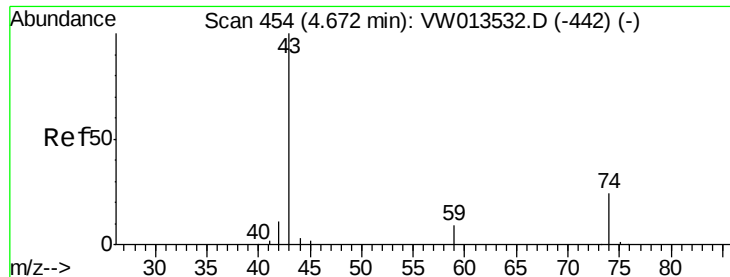
78 8.5 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

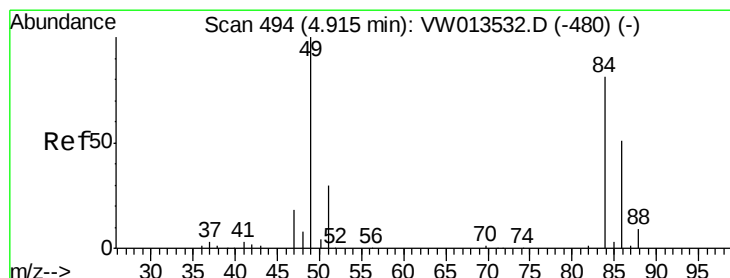
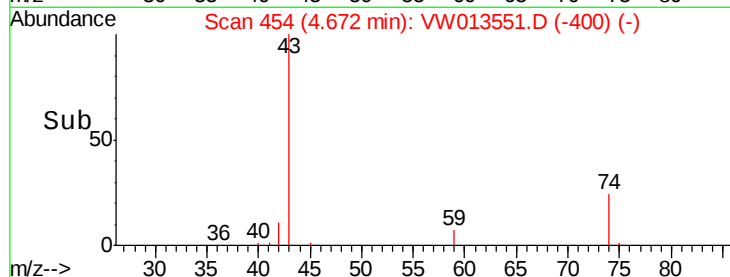
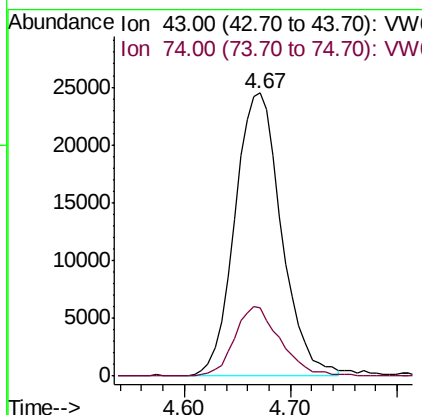
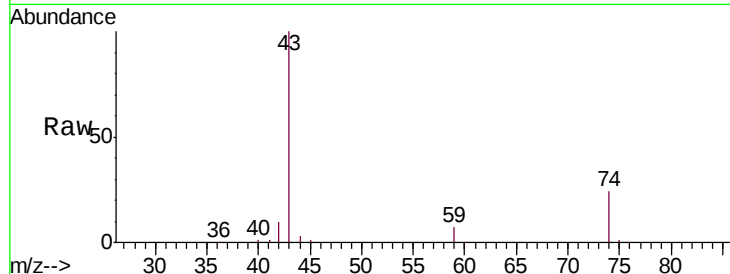




#15
Methyl Acetate
Concen: 26.797 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

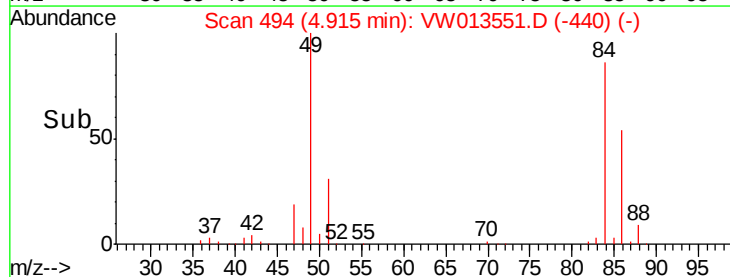
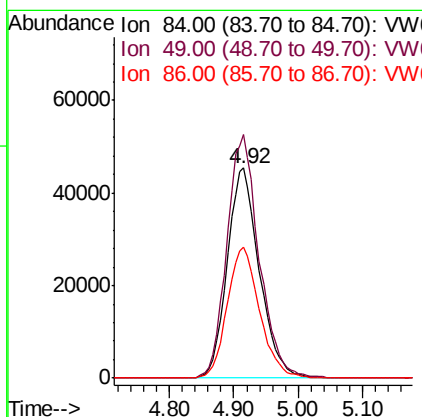
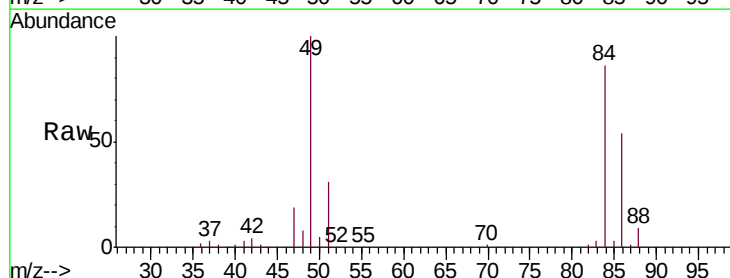
Instrument :
MSVOA_W
ClientSampled :
VSTD02512

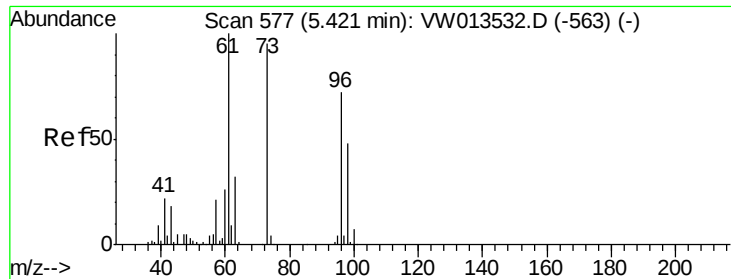
Tgt Ion: 43 Resp: 74985
Ion Ratio Lower Upper
43 100
74 23.7 18.7 28.1



#16
Methylene chloride
Concen: 23.026 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion: 84 Resp: 157898
Ion Ratio Lower Upper
84 100
49 115.9 81.3 151.1
86 62.5 46.3 86.1

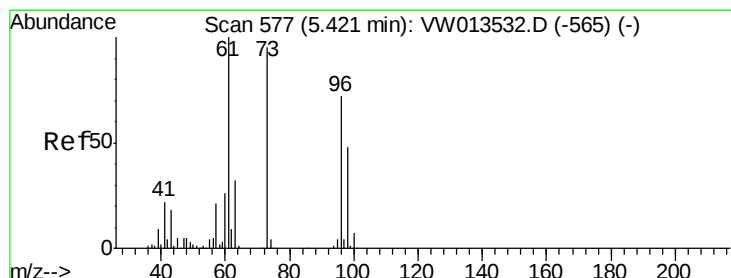
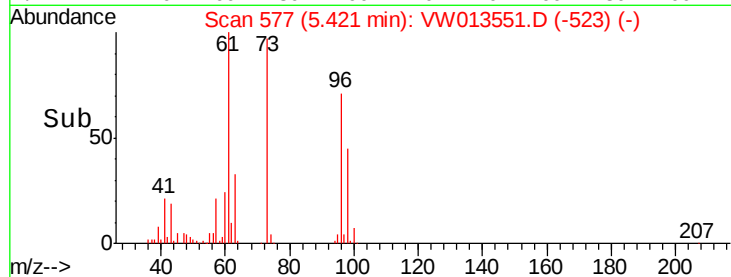
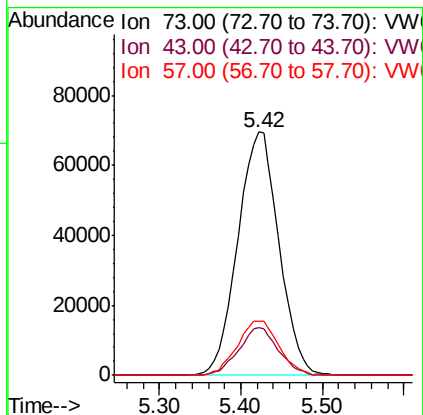
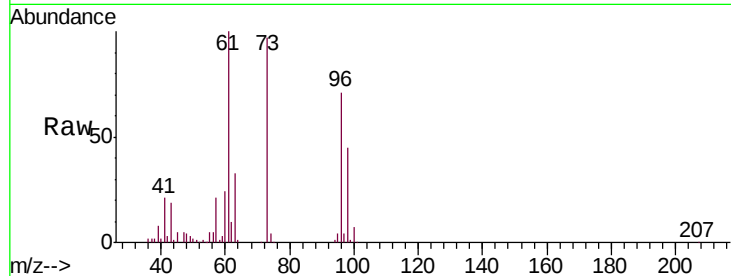




#17
Methyl tert-butyl Ether
Concen: 26.675 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

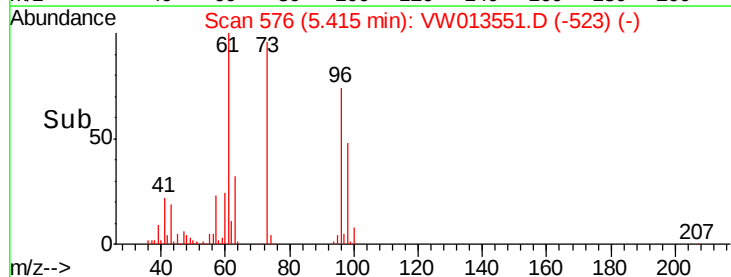
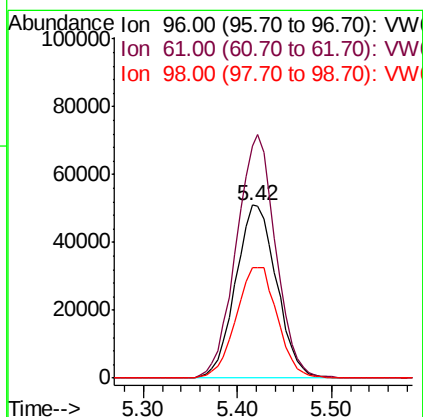
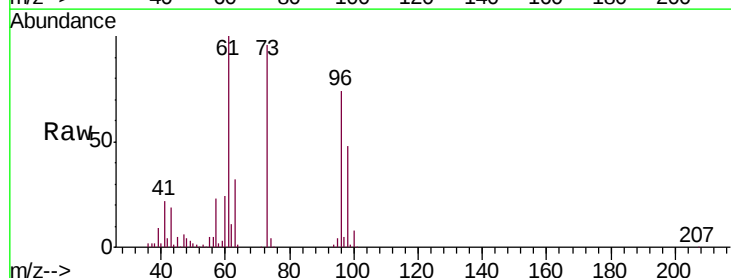
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

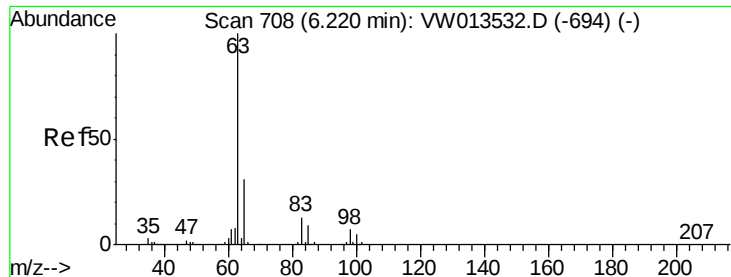
Tgt Ion: 73 Resp: 243625
Ion Ratio Lower Upper
73 100
43 19.1 15.0 22.4
57 22.7 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 25.554 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion: 96 Resp: 154977
Ion Ratio Lower Upper
96 100
61 134.4 93.7 173.9
98 64.3 46.1 85.7

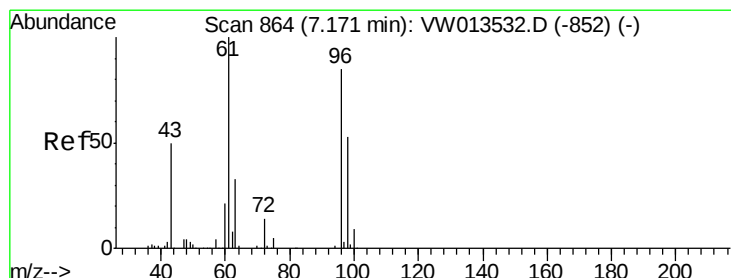
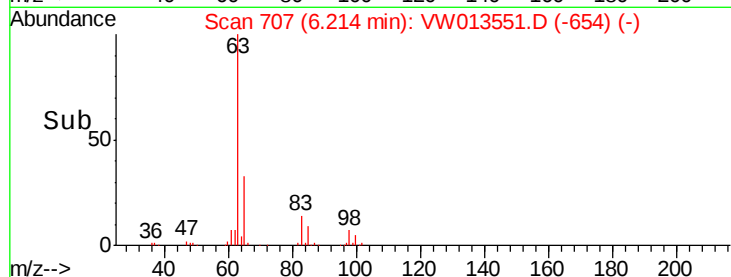
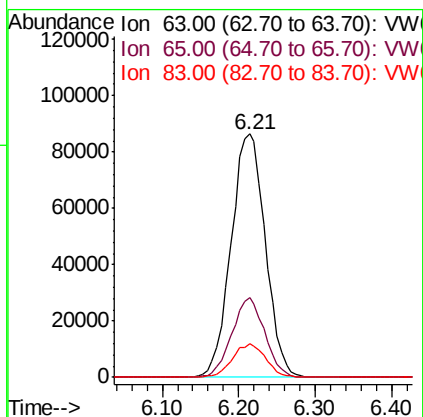
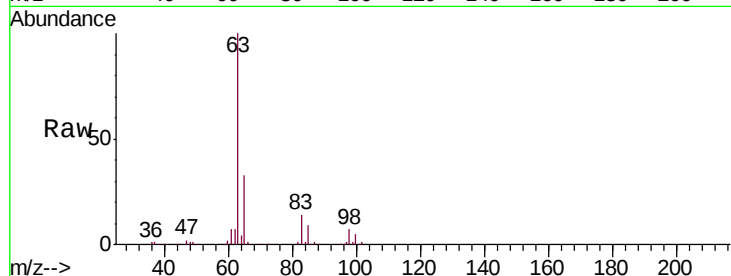




#19
 1,1-Dichloroethane
 Concen: 26.277 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

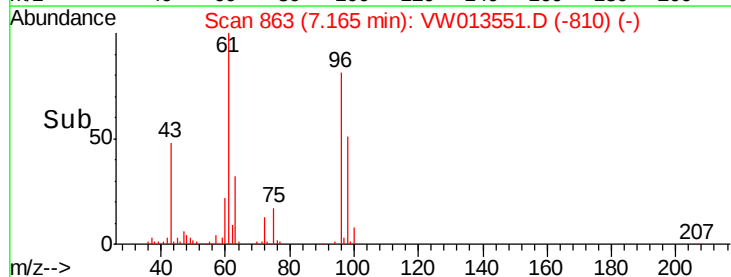
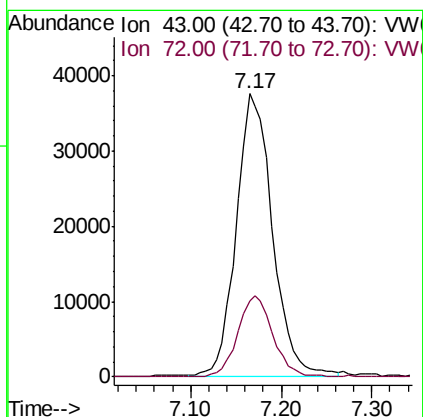
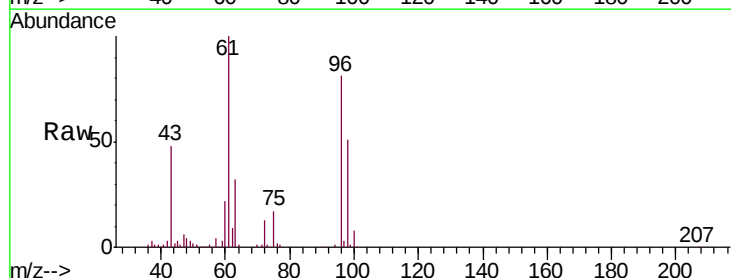
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

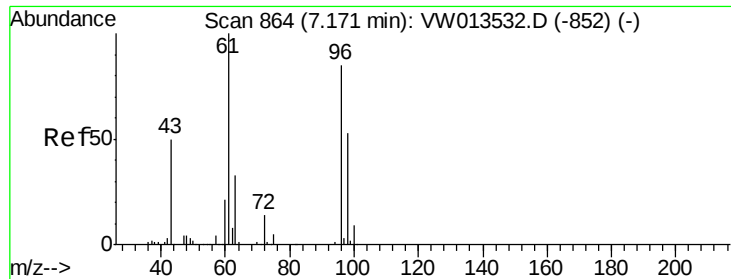
Tgt Ion: 63 Resp: 267556
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.6 40.0
 83 13.9 9.0 16.6



#21
 2-Butanone
 Concen: 47.651 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion: 43 Resp: 104574
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.5 40.4



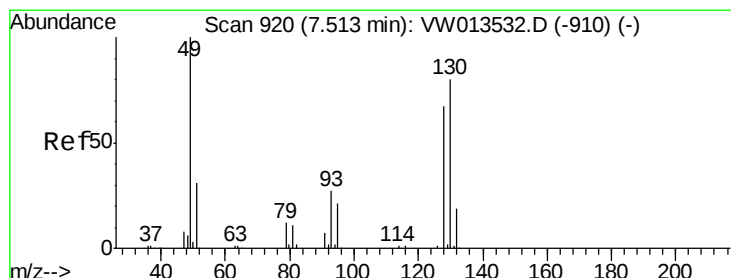
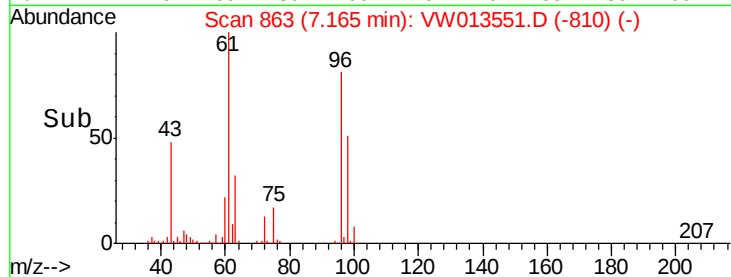
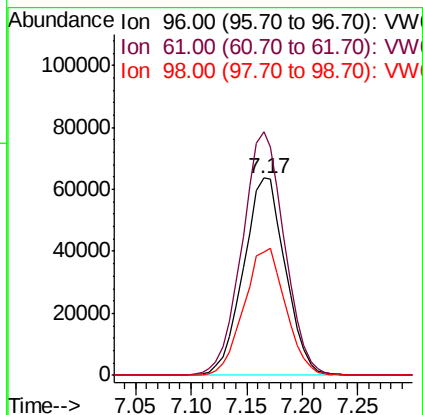
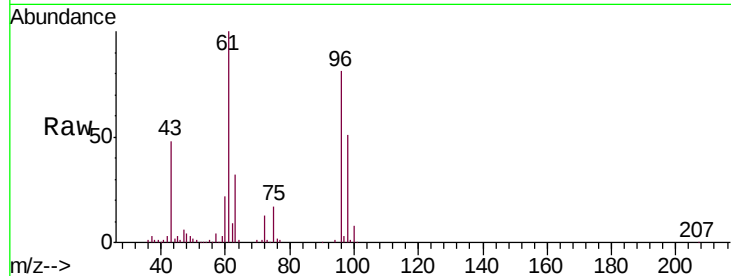


#22

cis-1,2-Dichloroethene
 Concen: 25.777 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

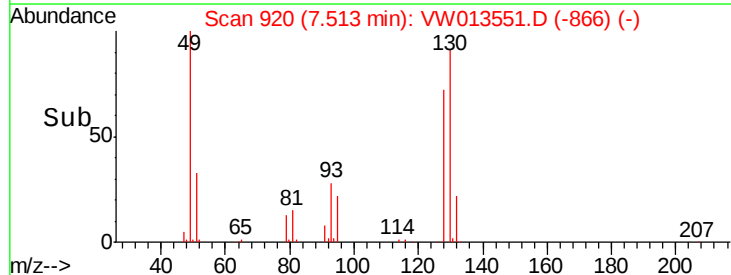
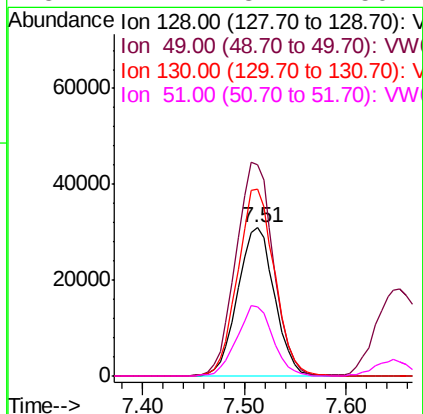
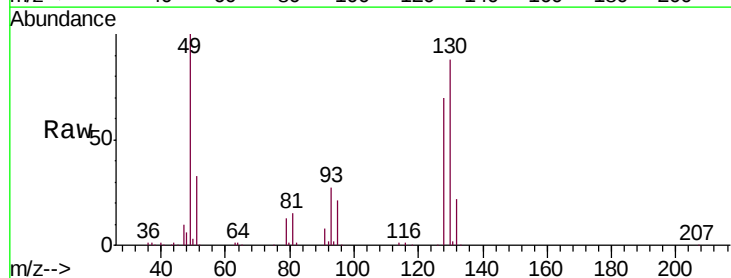
Tgt Ion: 96 Resp: 167199
 Ion Ratio Lower Upper
 96 100
 61 123.4 86.0 159.8
 98 62.5 44.4 82.5

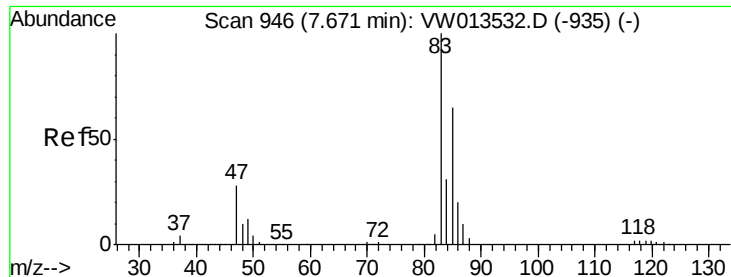


#23

Bromochloromethane
 Concen: 26.812 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion: 128 Resp: 77872
 Ion Ratio Lower Upper
 128 100
 49 142.9 108.0 200.6
 130 126.4 89.4 166.0
 51 47.1 37.4 56.2

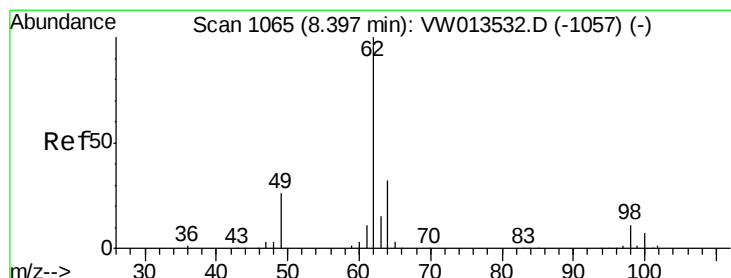
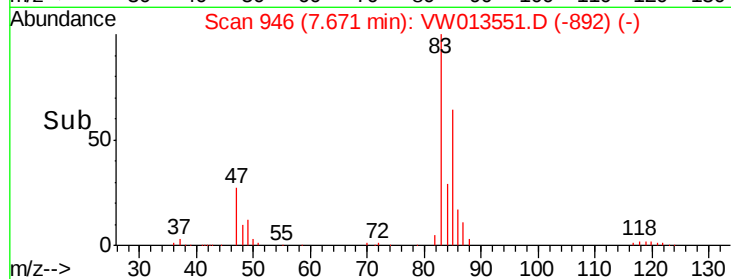
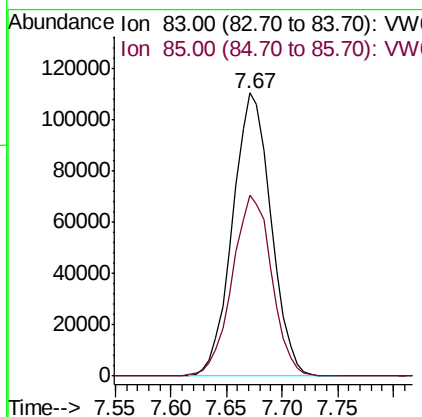
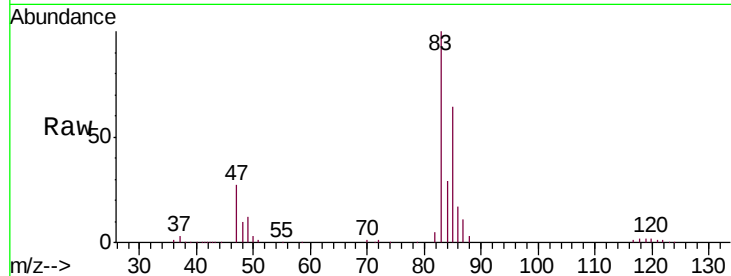




#25
Chloroform
Concen: 26.389 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

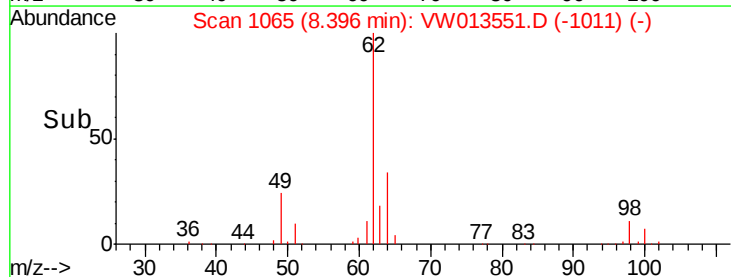
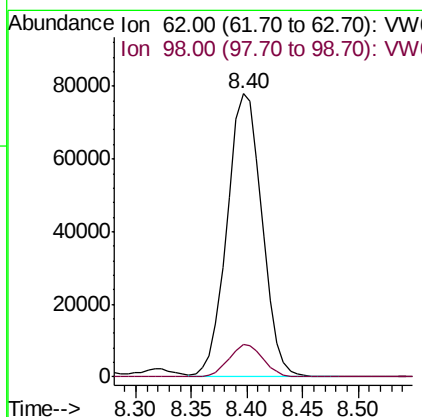
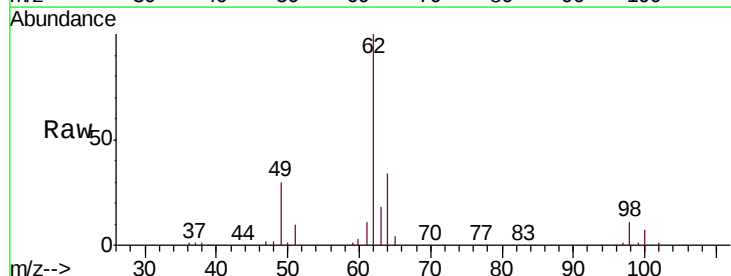
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

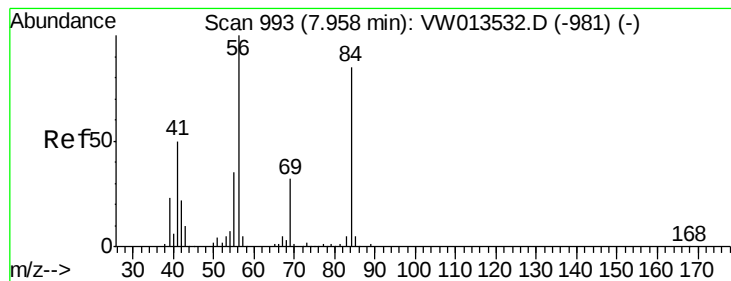
Tgt Ion: 83 Resp: 265077
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 26.663 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion: 62 Resp: 169396
Ion Ratio Lower Upper
62 100
98 11.3 9.0 13.4





#30

Cyclohexane

Concen: 24.560 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

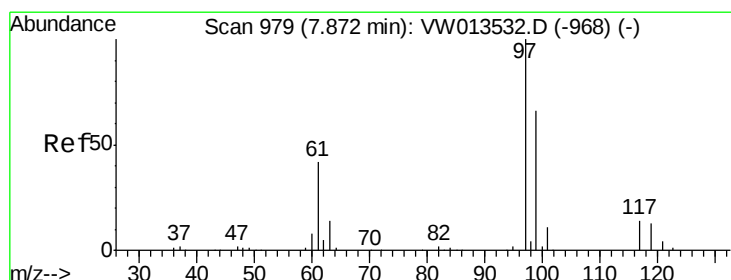
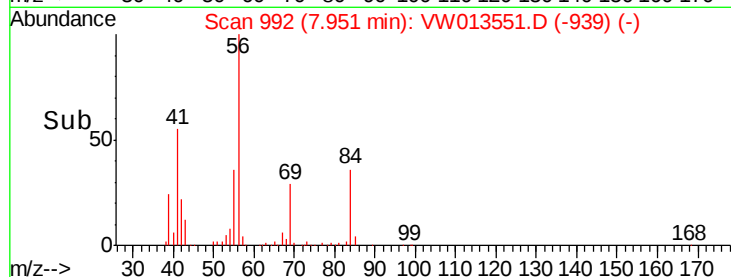
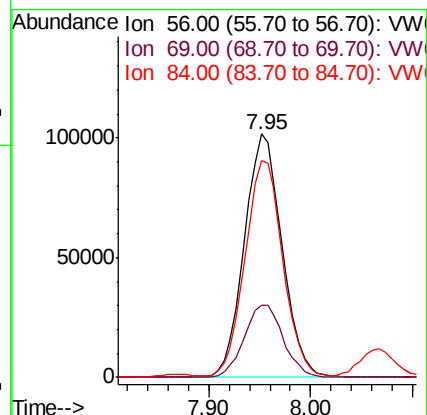
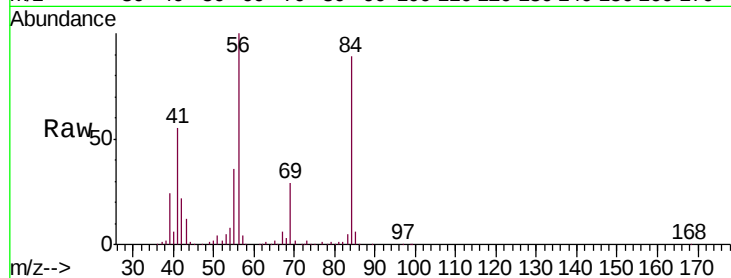
Tgt Ion: 56 Resp: 261464

Ion Ratio Lower Upper

56 100

69 30.7 24.7 37.1

84 89.9 70.4 105.6



#31

1,1,1-Trichloroethane

Concen: 25.754 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

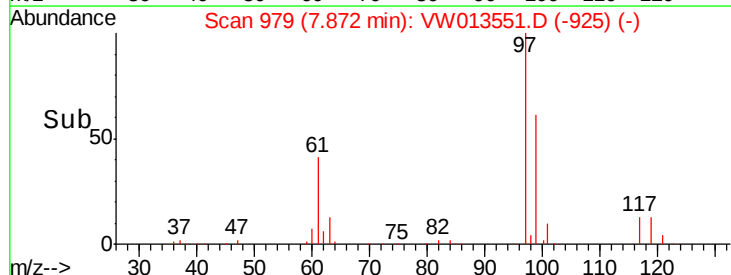
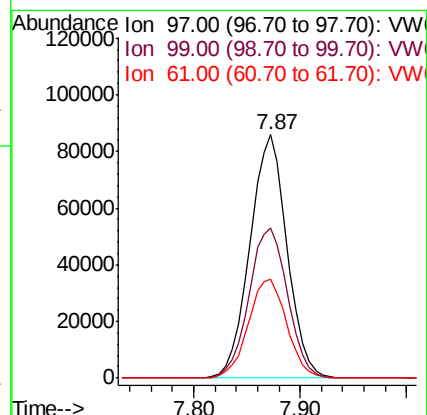
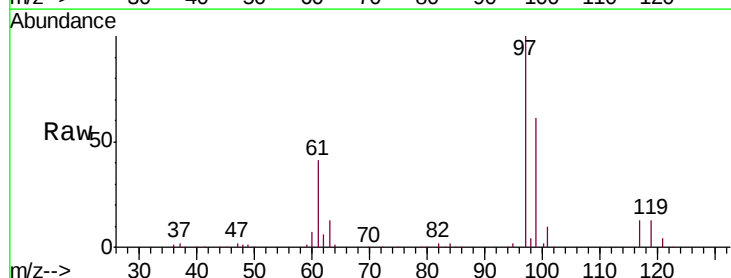
Tgt Ion: 97 Resp: 210026

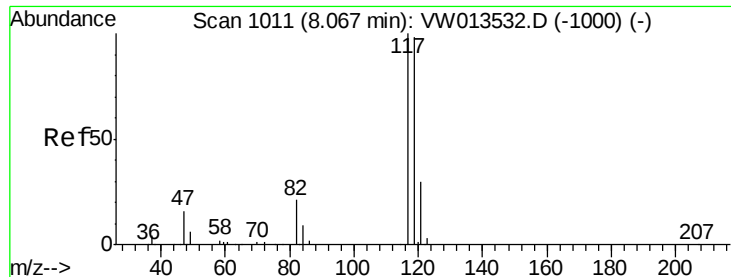
Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

61 42.1 33.7 50.5

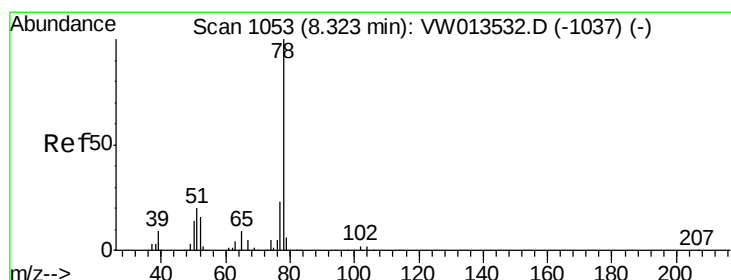
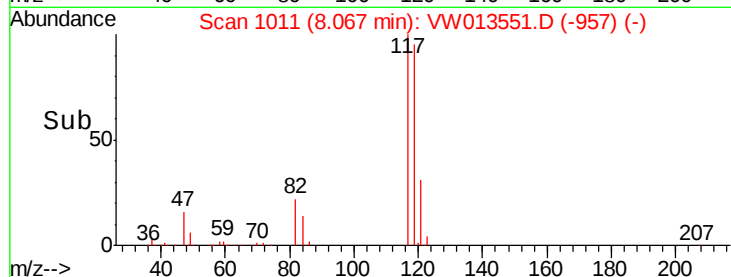
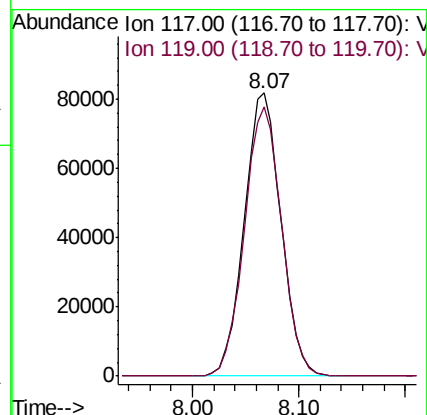
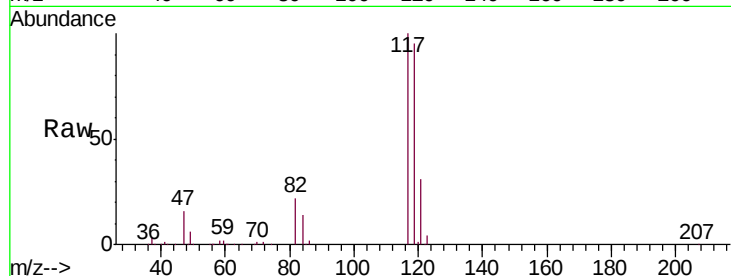




#32
Carbon tetrachloride
Concen: 25.376 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

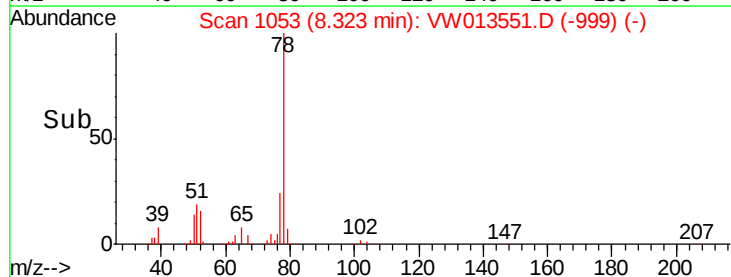
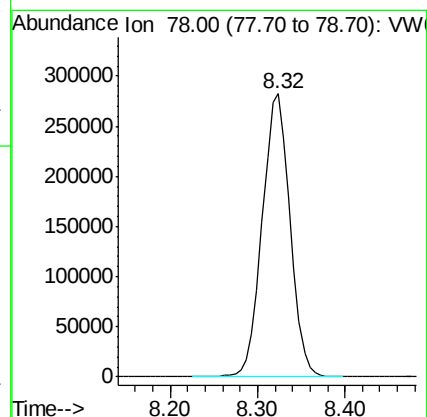
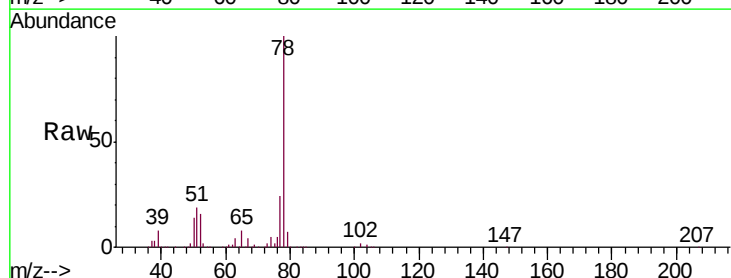
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

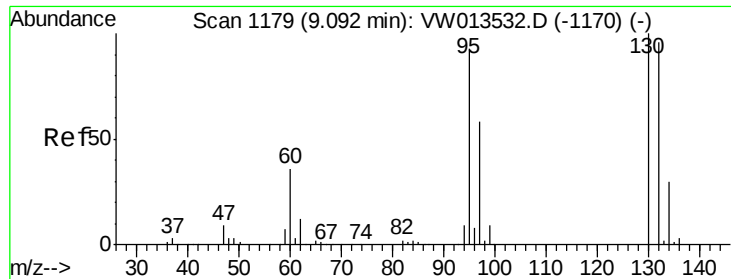
Tgt Ion:117 Resp: 198502
Ion Ratio Lower Upper
117 100
119 96.2 76.1 114.1



#34
Benzene
Concen: 25.613 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion: 78 Resp: 626517

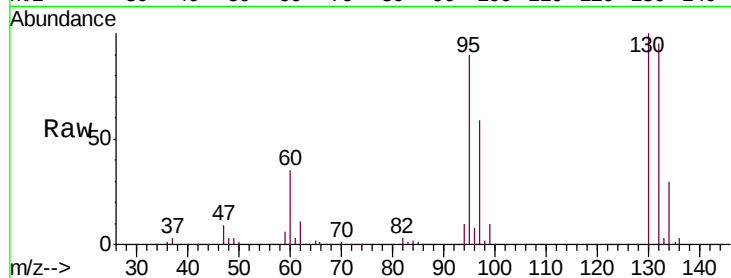




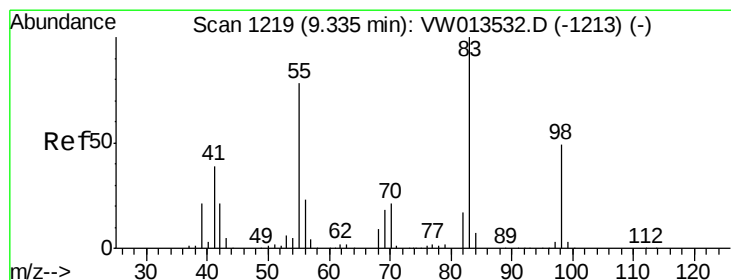
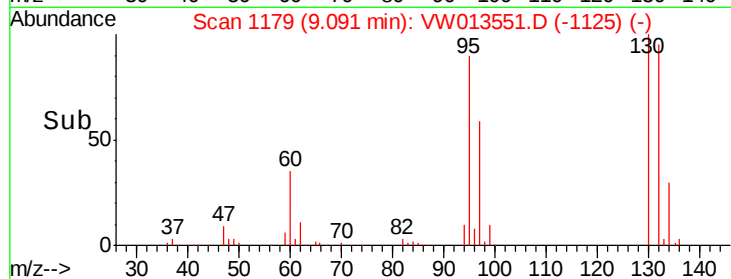
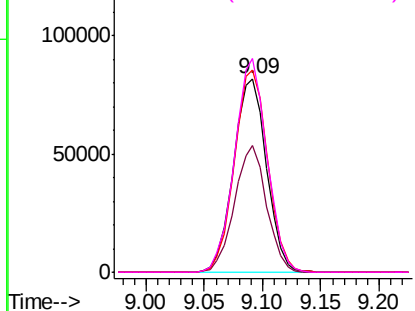
#35
 Trichloroethene
 Concen: 25.407 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02512

Tgt Ion: 95 Resp: 162108
 Ion Ratio Lower Upper
 95 100
 97 63.6 45.1 83.7
 132 104.9 73.6 136.8
 130 108.2 76.3 141.7

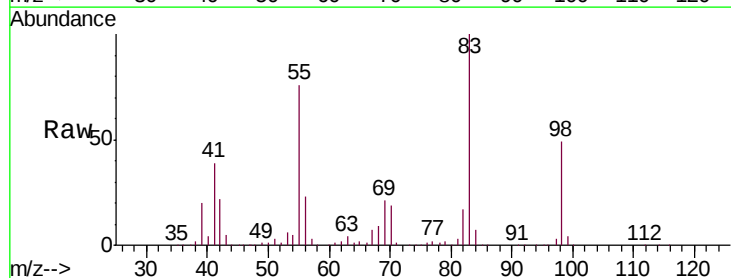


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

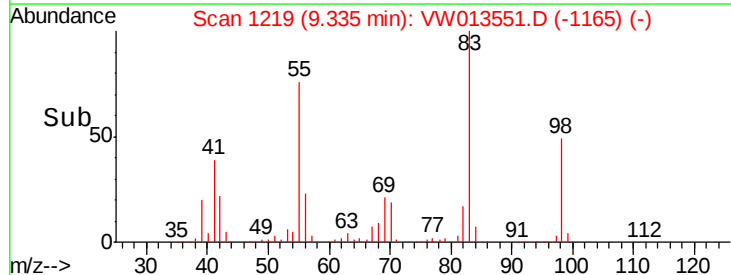
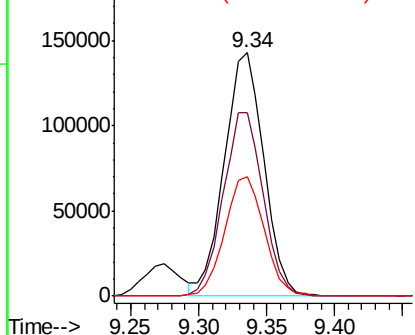


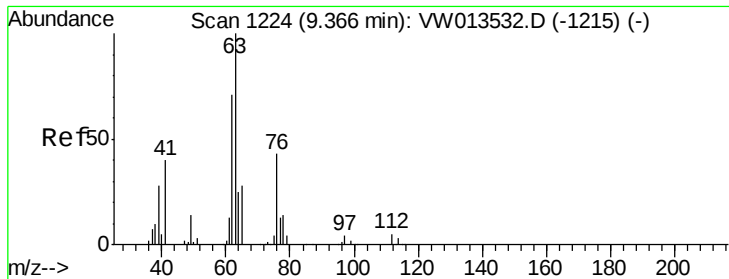
#36
 Methylcyclohexane
 Concen: 24.930 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion: 83 Resp: 289261
 Ion Ratio Lower Upper
 83 100
 55 75.9 60.4 90.6
 98 49.2 39.3 58.9



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

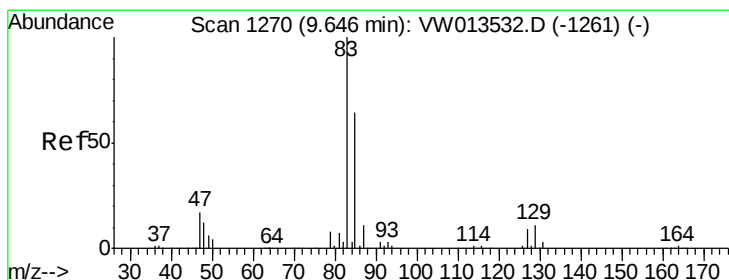
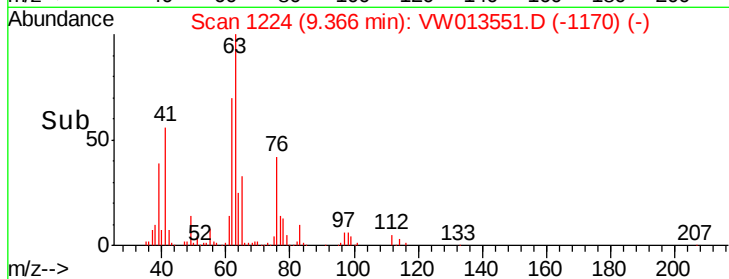
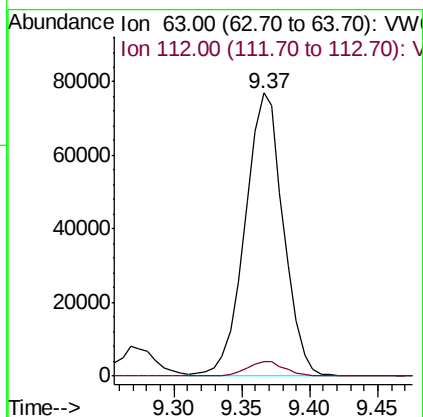
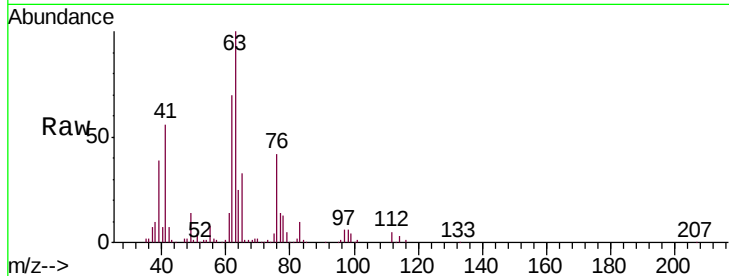




#40
 1,2-Dichloropropane
 Concen: 25.752 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

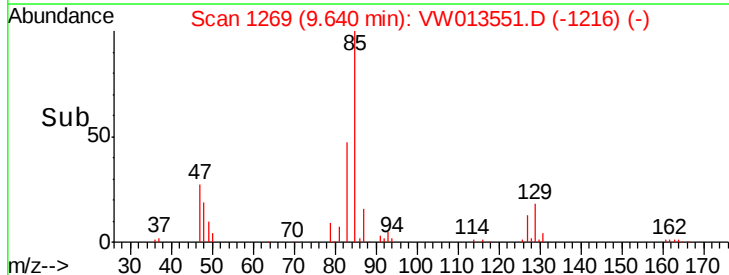
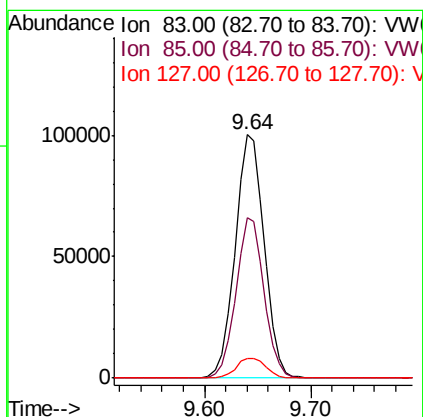
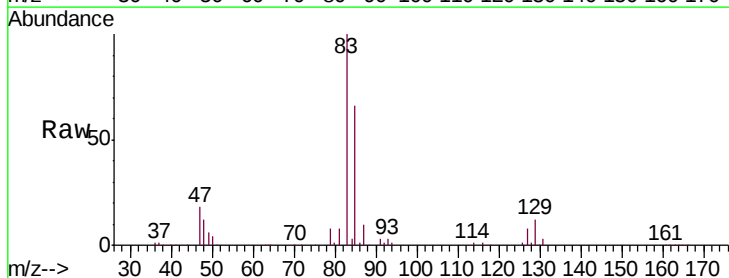
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

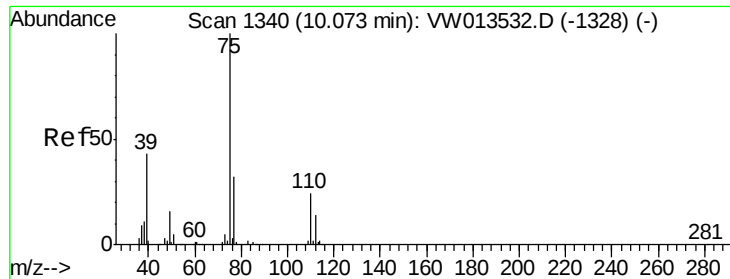
Tgt Ion: 63 Resp: 151750
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.461 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion: 83 Resp: 191516
 Ion Ratio Lower Upper
 83 100
 85 65.7 45.1 83.9
 127 8.3 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 25.734 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampled :

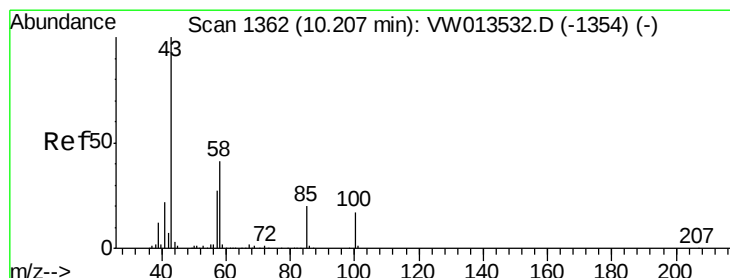
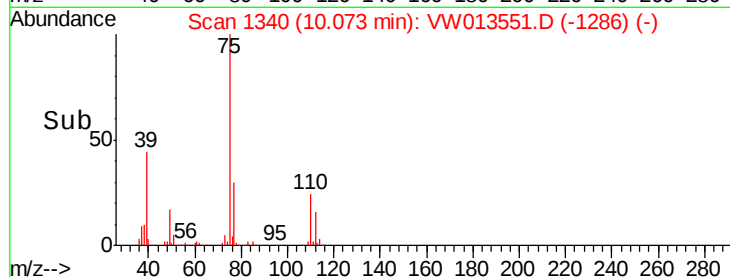
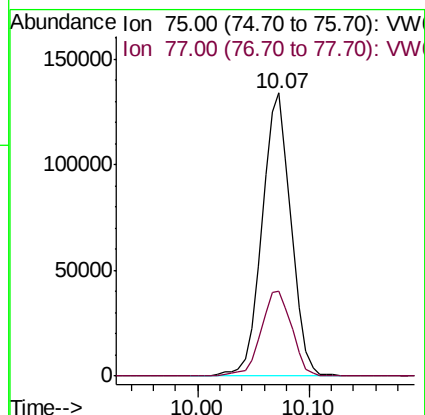
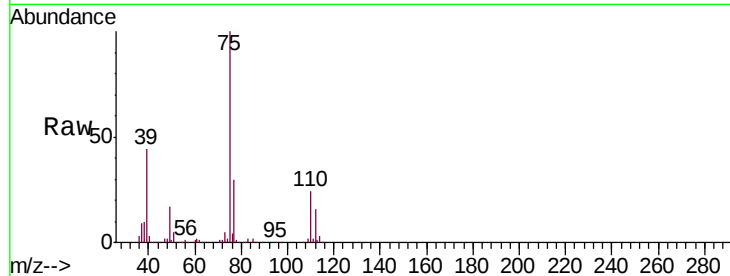
VSTD02512

Tgt Ion: 75 Resp: 243268

Ion Ratio Lower Upper

75 100

77 30.1 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 53.114 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

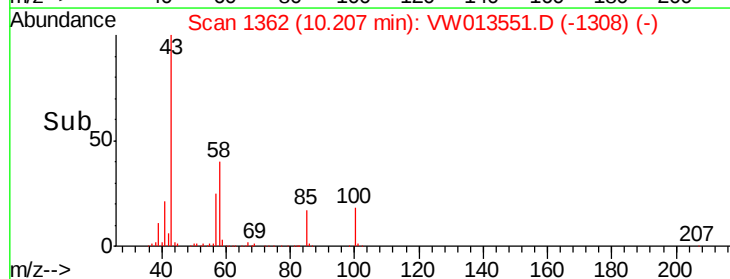
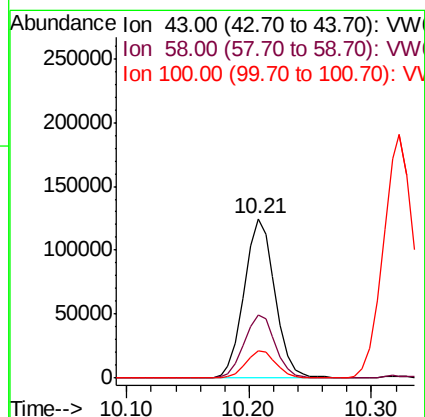
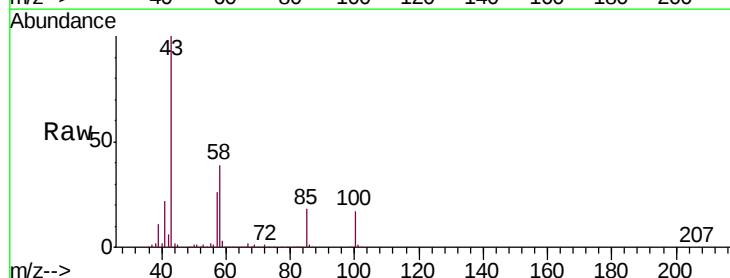
Tgt Ion: 43 Resp: 218376

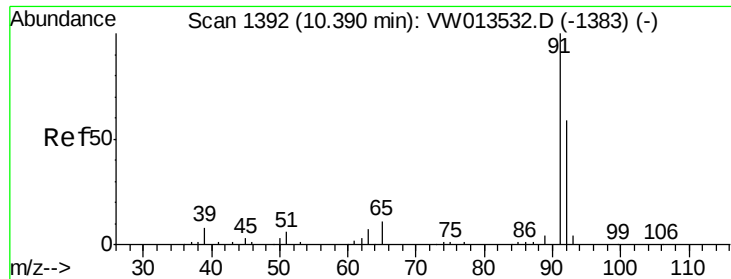
Ion Ratio Lower Upper

43 100

58 40.2 32.0 48.0

100 16.9 13.7 20.5





#44

Toluene

Concen: 25.818 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

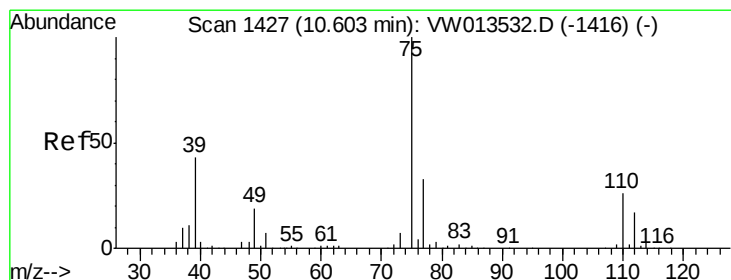
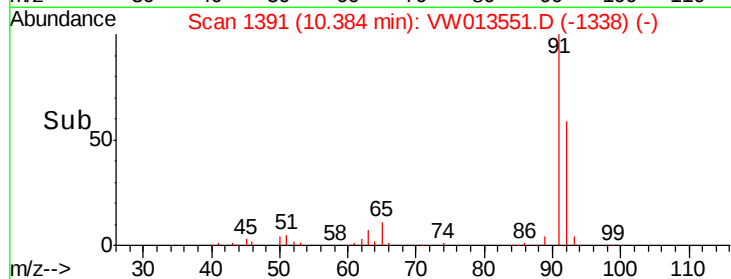
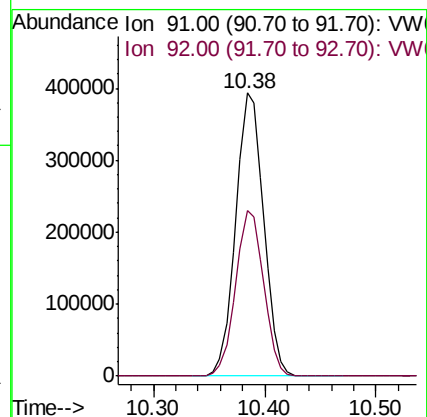
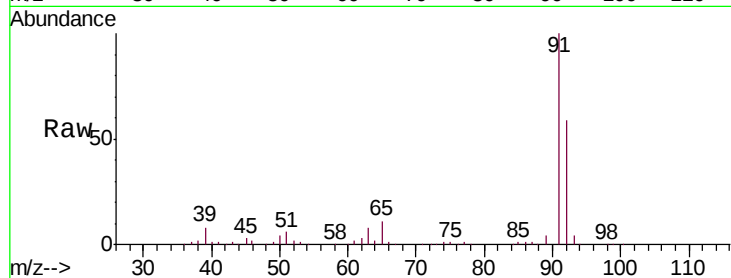
VSTD02512

Tgt Ion: 91 Resp: 684400

Ion Ratio Lower Upper

91 100

92 58.6 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 26.302 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013551.D

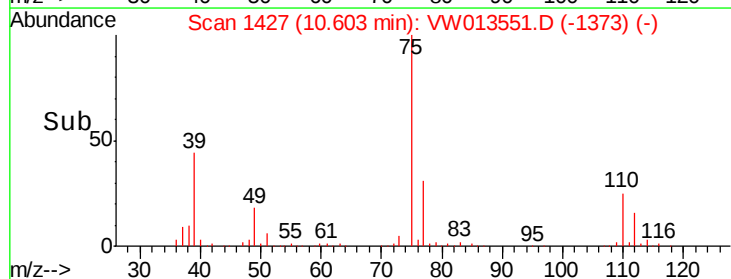
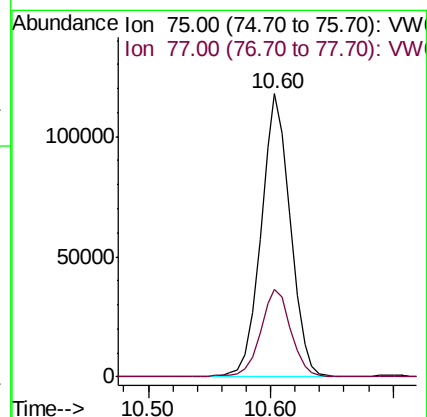
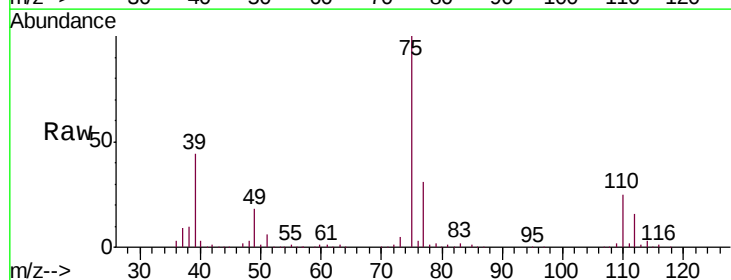
Acq: 11 Oct 2019 20:58

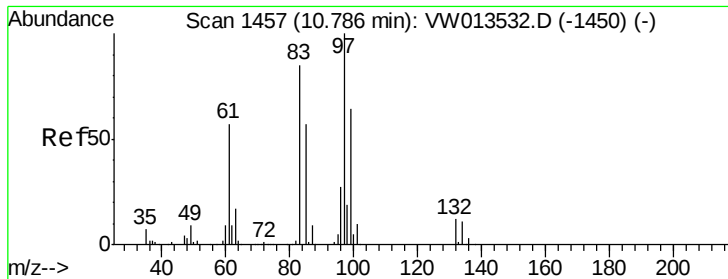
Tgt Ion: 75 Resp: 196331

Ion Ratio Lower Upper

75 100

77 31.1 23.0 42.6





#46

1,1,2-Trichloroethane

Concen: 26.582 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

Tgt Ion: 97 Resp: 118904

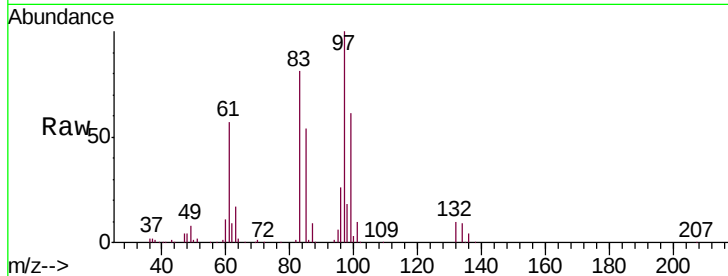
Ion Ratio Lower Upper

97 100

83 81.3 57.5 106.9

85 53.6 36.8 68.4

99 61.3 44.0 81.6



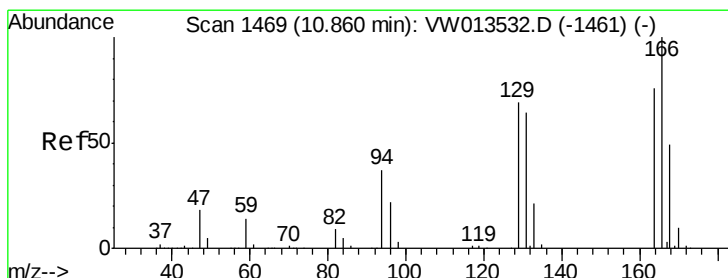
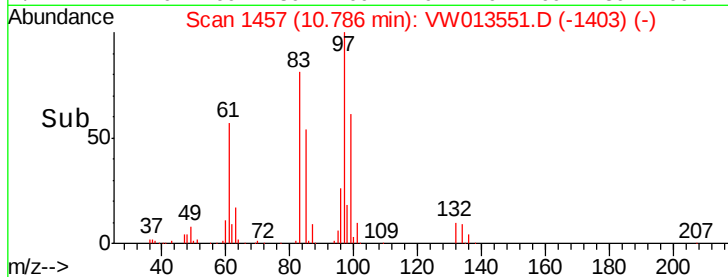
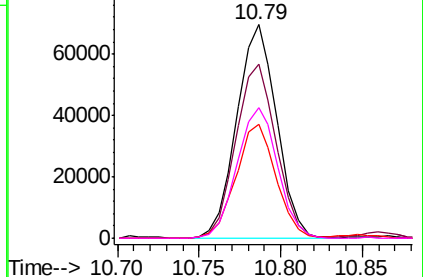
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.238 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Tgt Ion: 164 Resp: 146761

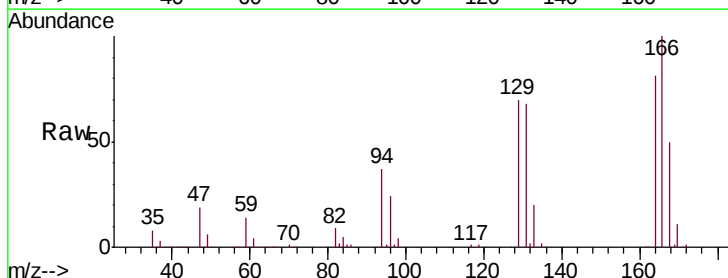
Ion Ratio Lower Upper

164 100

129 86.8 60.2 111.8

131 84.9 57.0 105.9

166 124.2 91.2 169.4



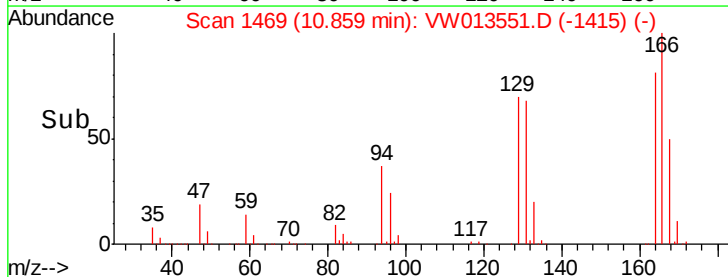
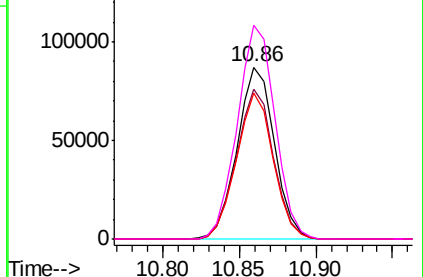
Abundance

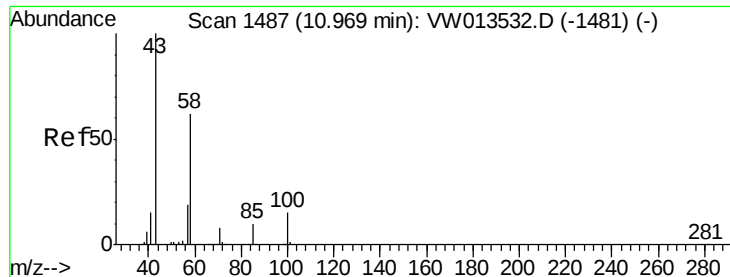
Ion 164.00 (163.70 to 164.70): V

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

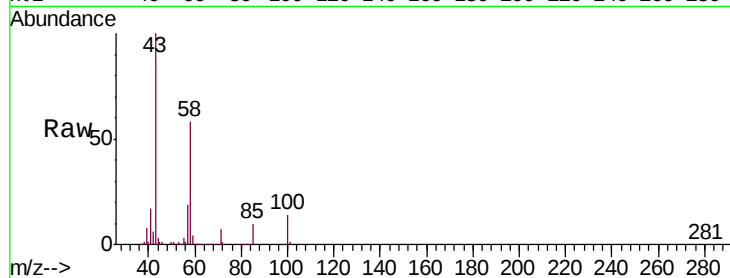




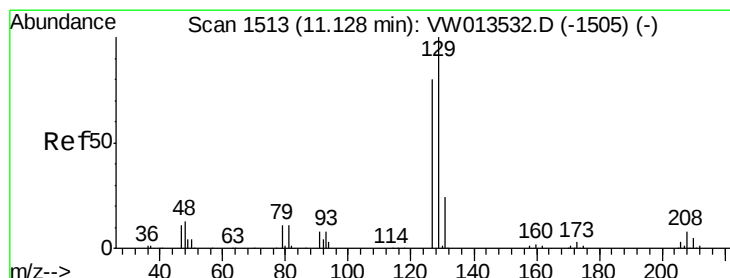
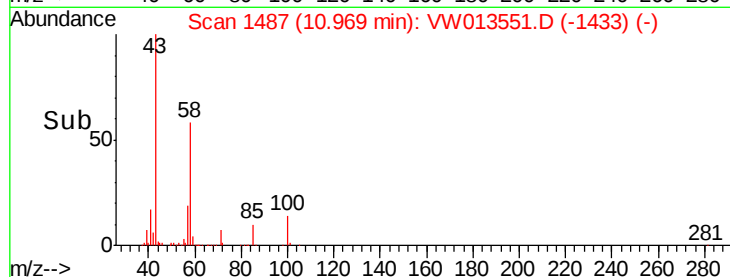
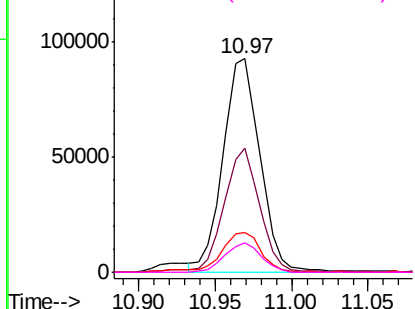
#49
2-Hexanone
Concen: 52.046 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

Tgt Ion:	43	Resp:	155521
Ion	Ratio	Lower	Upper
43	100		
58	55.4	45.2	67.8
57	19.3	15.8	23.8
100	13.6	11.0	16.6

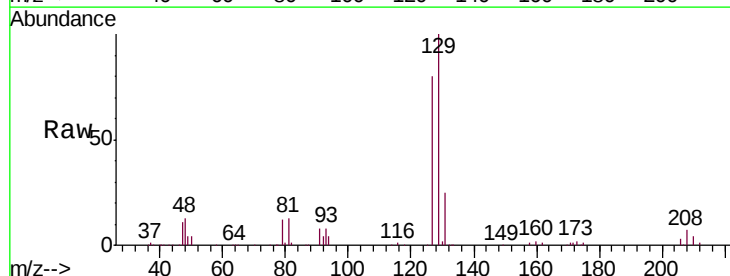


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

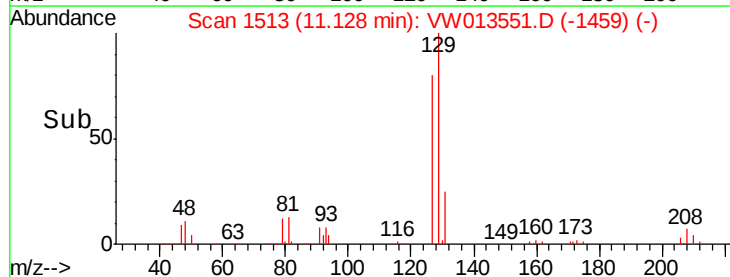
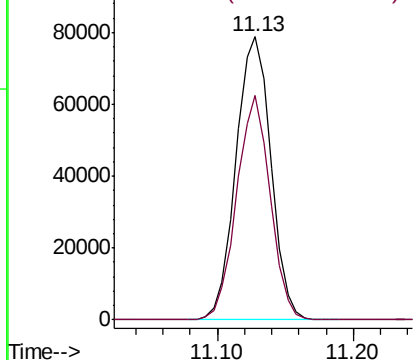


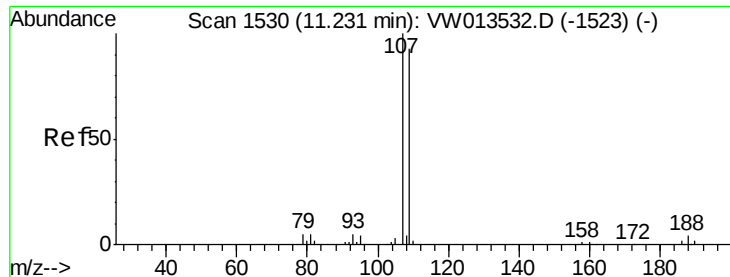
#50
Dibromochloromethane
Concen: 26.866 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion:	129	Resp:	141493
Ion	Ratio	Lower	Upper
129	100		
127	79.5	54.7	101.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

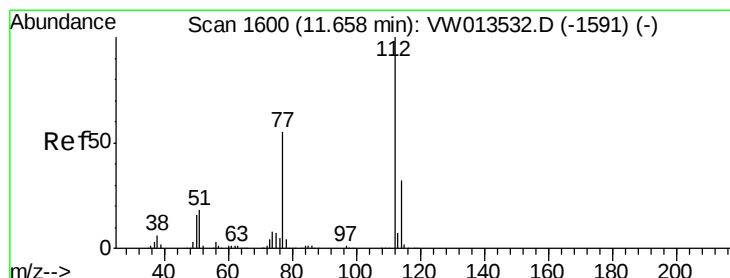
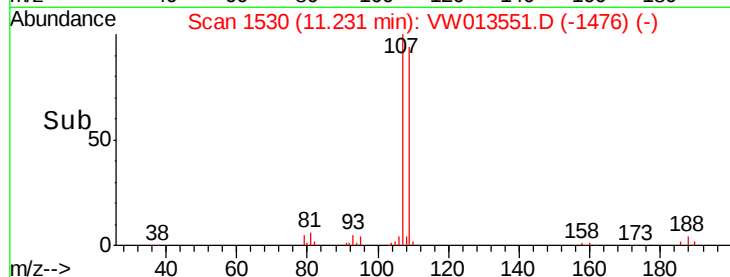
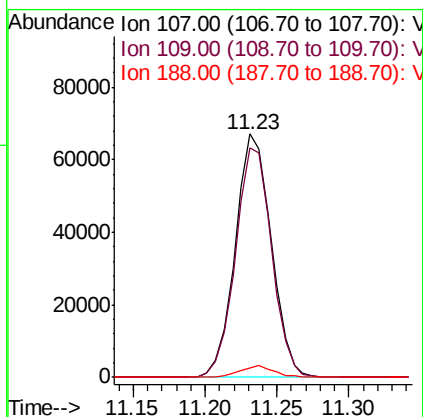
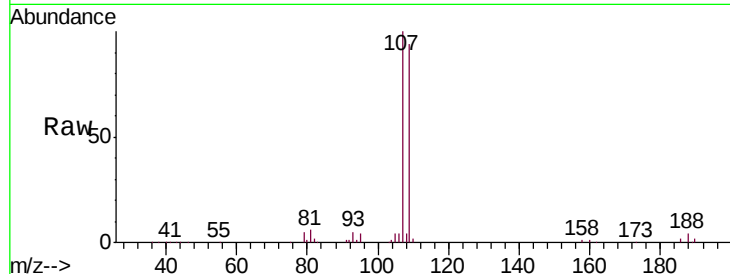




#51
1,2-Dibromoethane
Concen: 26.555 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

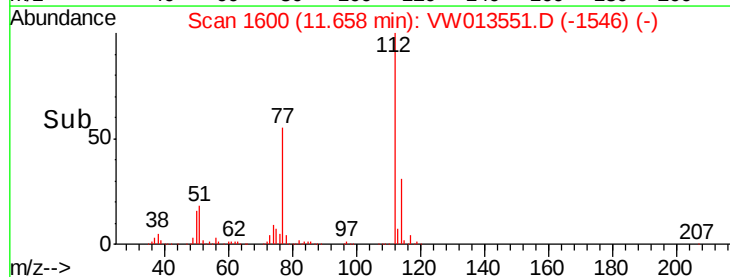
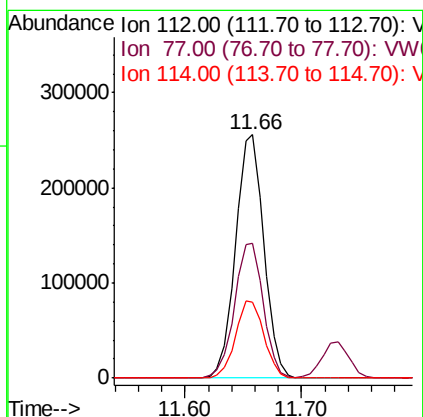
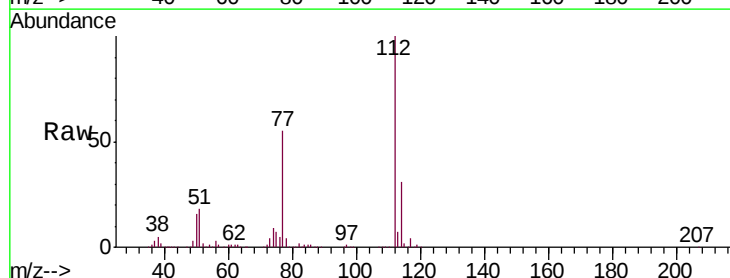
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

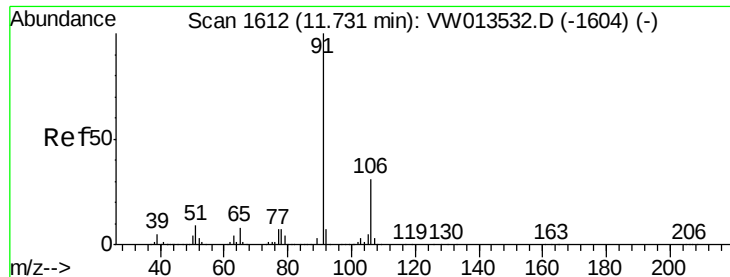
Tgt Ion:107 Resp: 116684
Ion Ratio Lower Upper
107 100
109 94.2 65.5 121.7
188 3.7 3.6 5.4



#52
Chlorobenzene
Concen: 25.796 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion:112 Resp: 434006
Ion Ratio Lower Upper
112 100
77 55.2 44.5 66.7
114 31.4 22.7 42.3

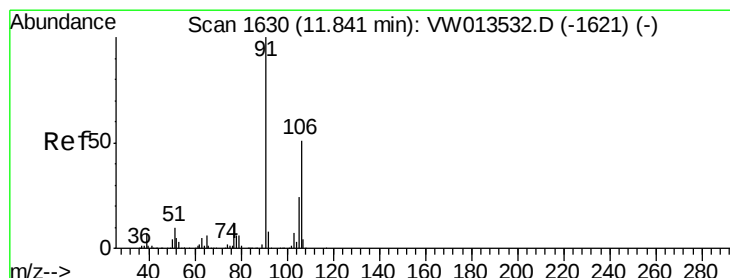
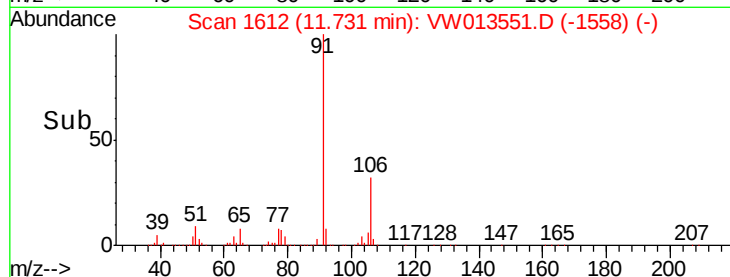
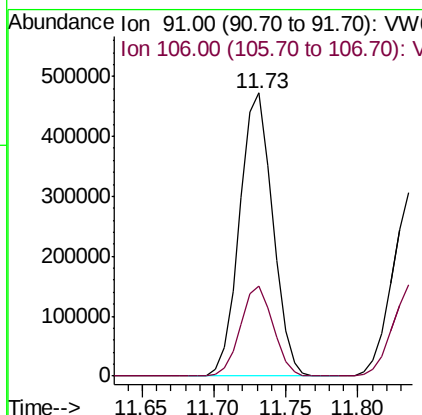
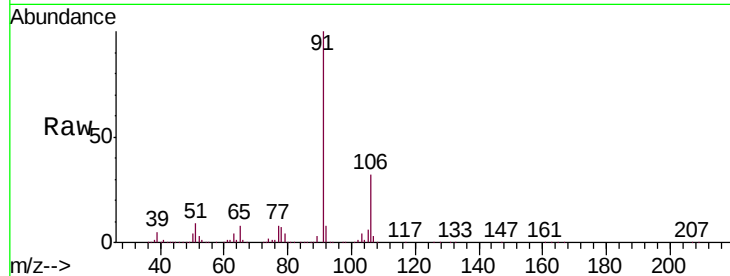




#53
Ethylbenzene
Concen: 25.717 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

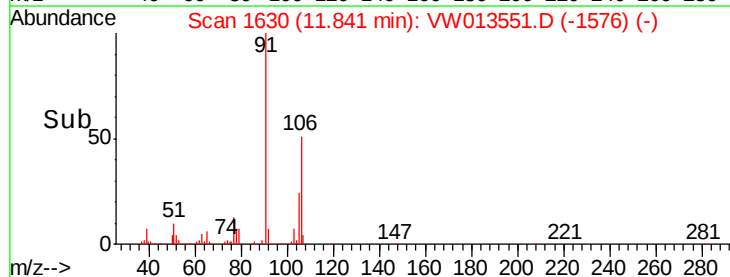
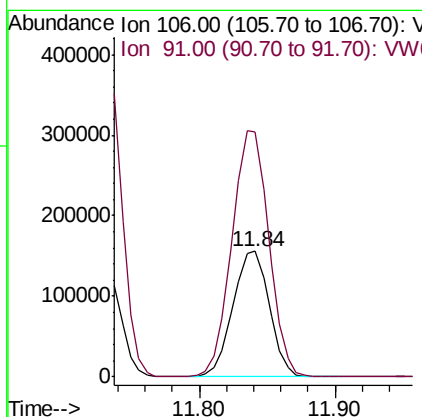
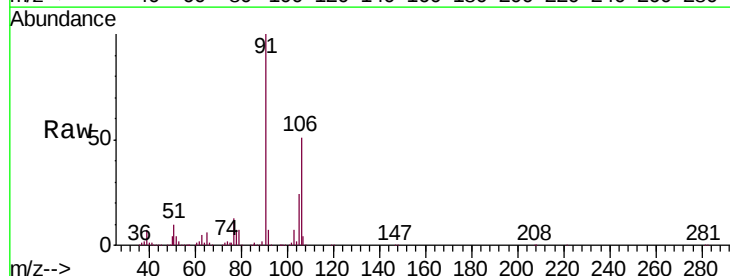
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

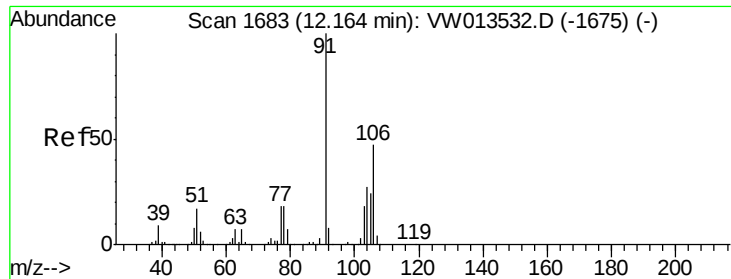
Tgt Ion: 91 Resp: 754635
Ion Ratio Lower Upper
91 100
106 31.7 21.5 39.9



#54
m,p-Xylene
Concen: 25.523 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013551.D
Acq: 11 Oct 2019 20:58

Tgt Ion: 106 Resp: 292165
Ion Ratio Lower Upper
106 100
91 195.2 139.4 258.8





#55

o-xylene

Concen: 26.069 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

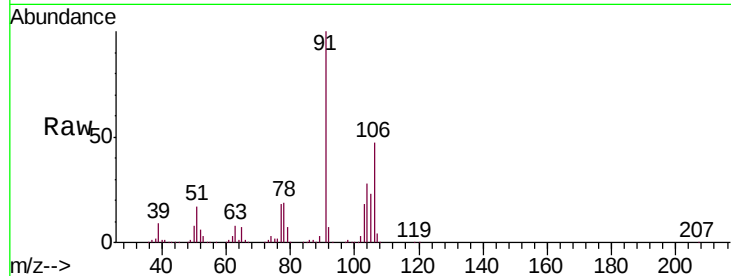
VSTD02512

Tgt Ion:106 Resp: 278548

Ion Ratio Lower Upper

106 100

91 213.5 148.4 275.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

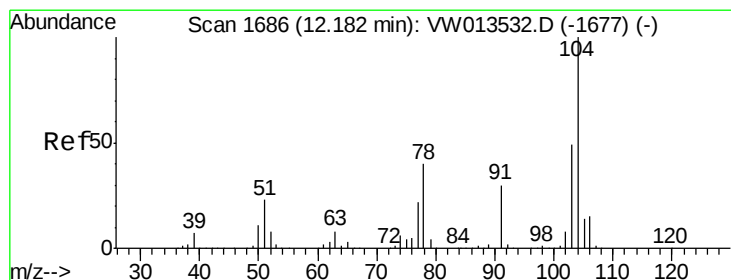
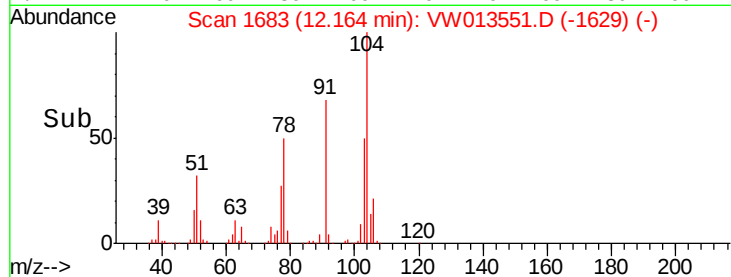
200000

100000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 26.344 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013551.D

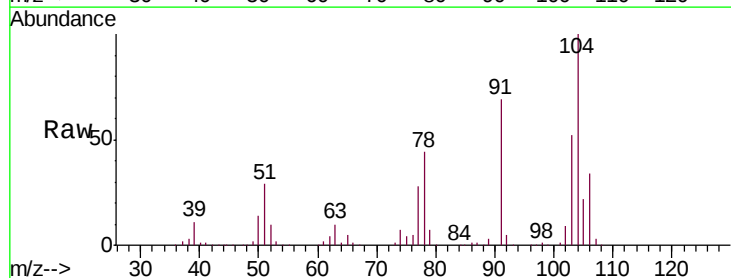
Acq: 11 Oct 2019 20:58

Tgt Ion:104 Resp: 479391

Ion Ratio Lower Upper

104 100

78 44.5 28.4 52.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

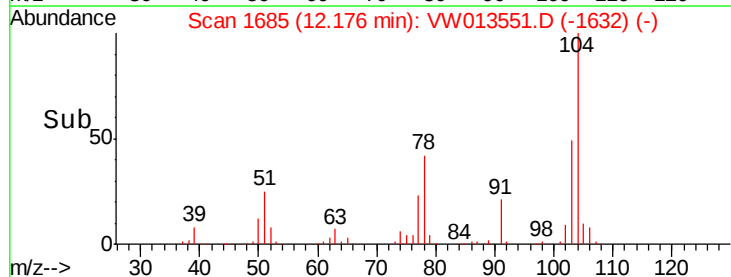
200000

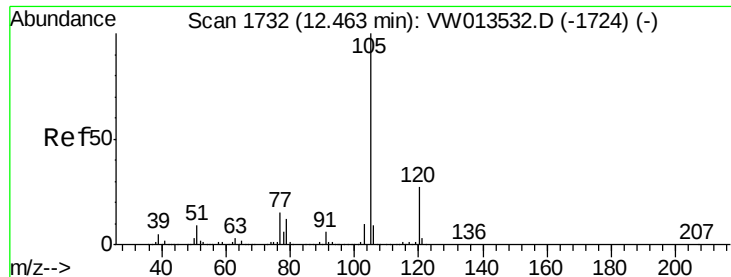
100000

0

12.10 12.15 12.20 12.25

Time-->





#57

Isopropylbenzene

Concen: 26.063 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

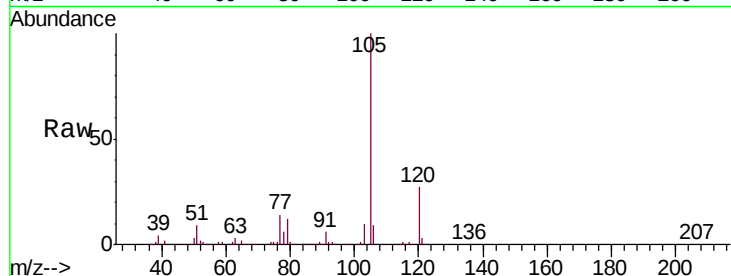
Tgt Ion: 105 Resp: 755477

Ion Ratio Lower Upper

105 100

120 26.4 21.7 32.5

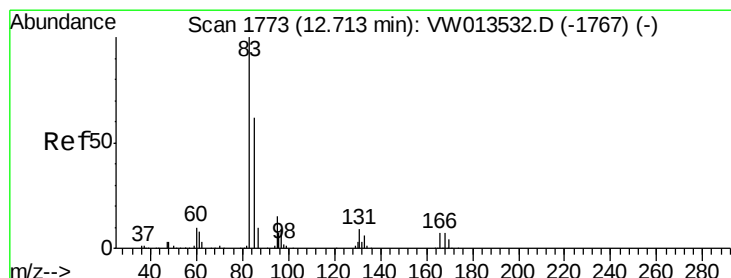
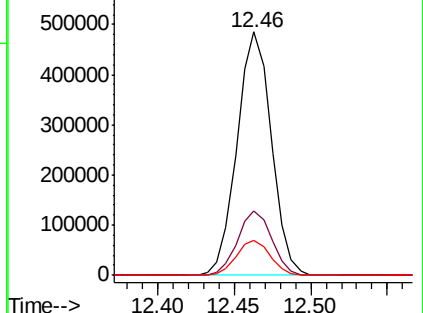
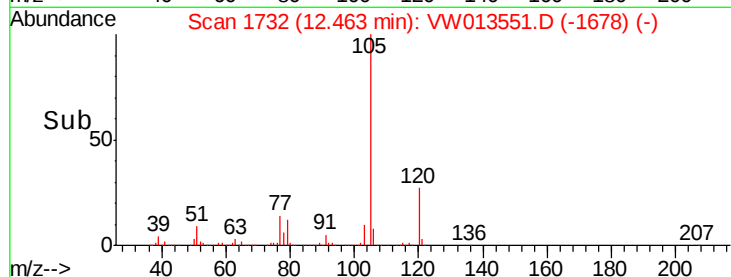
77 14.4 11.8 17.6



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: 28.189 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

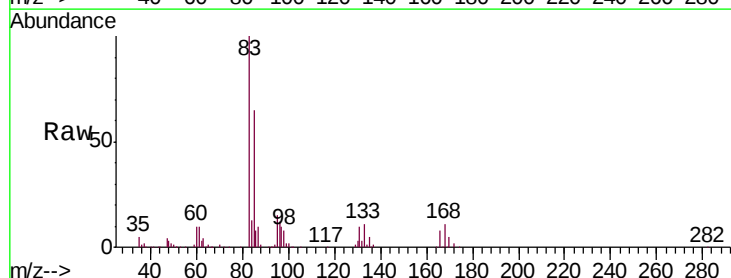
Tgt Ion: 83 Resp: 148976

Ion Ratio Lower Upper

83 100

85 64.6 44.7 83.1

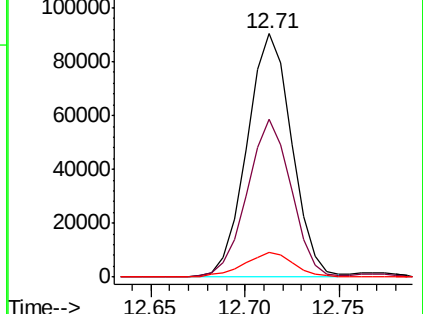
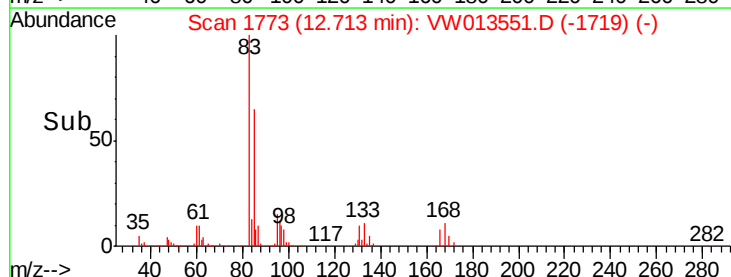
131 10.3 7.8 11.6

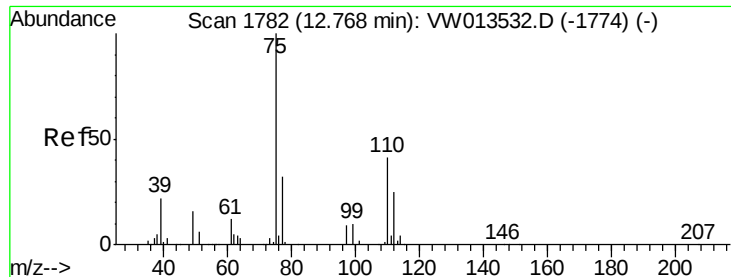


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.223 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

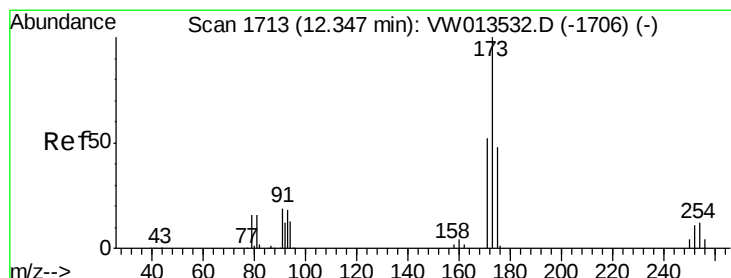
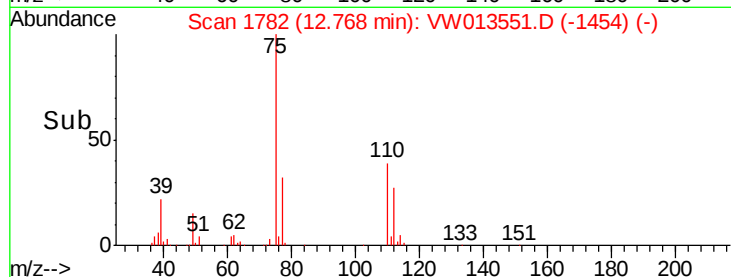
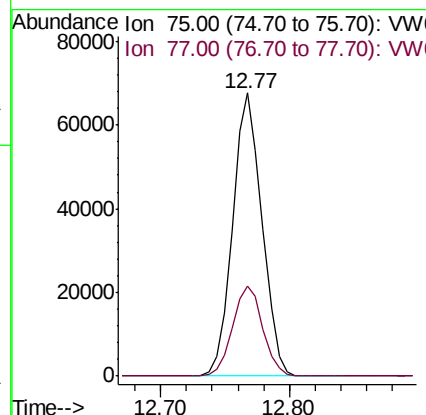
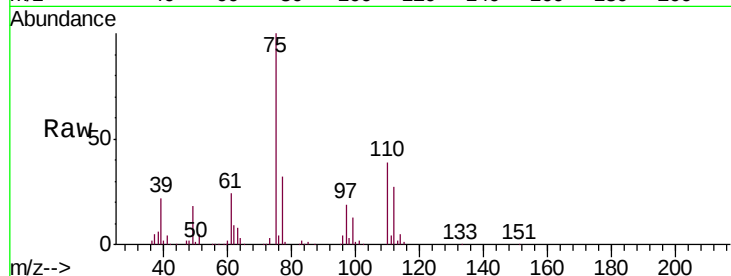
VSTD02512

Tgt Ion: 75 Resp: 107425

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



#62

Bromoform

Concen: 26.839 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

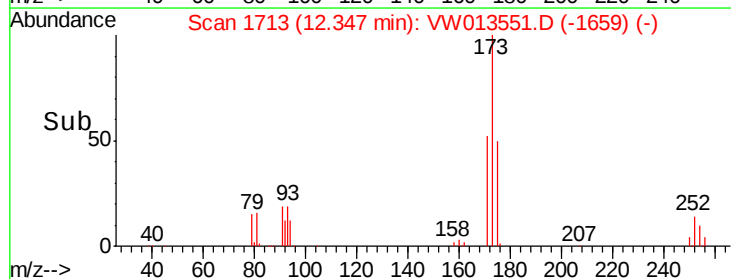
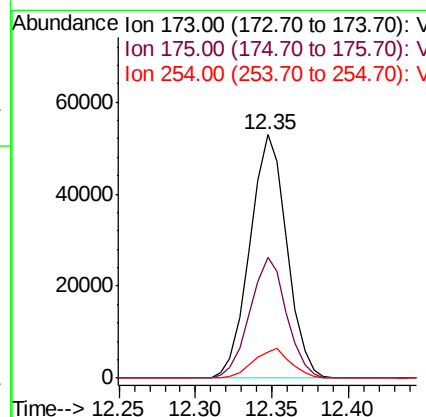
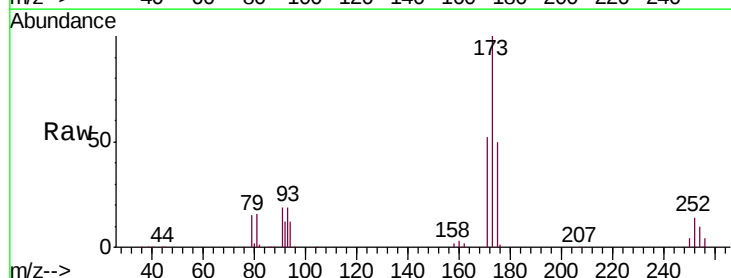
Tgt Ion: 173 Resp: 89057

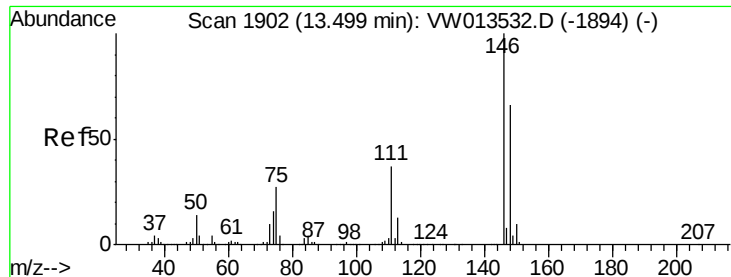
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.6

254 12.0 10.1 15.1

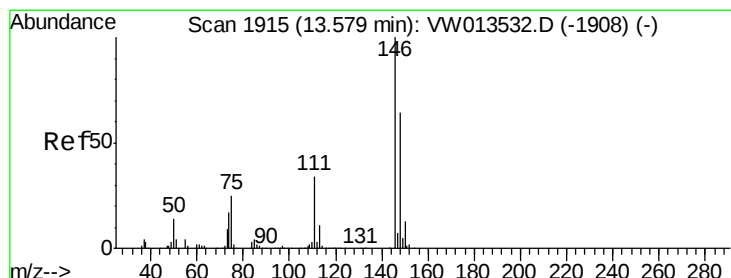
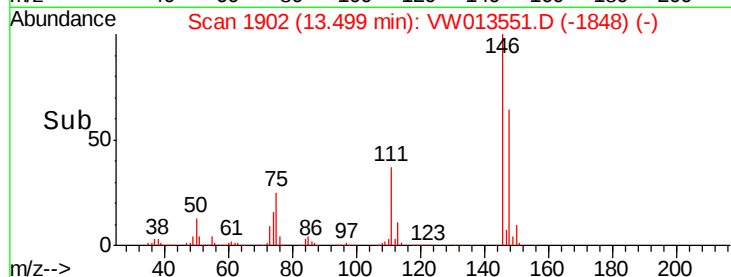
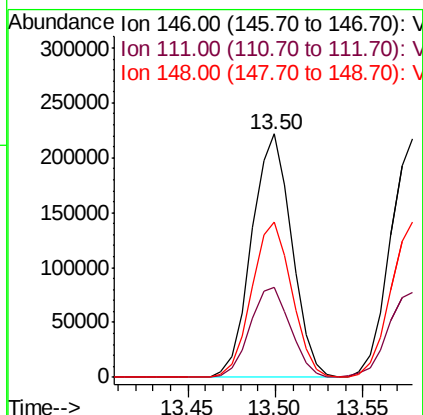
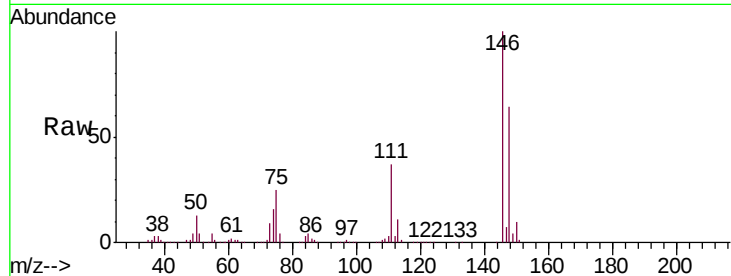




#63
 1,3-Dichlorobenzene
 Concen: 25.463 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

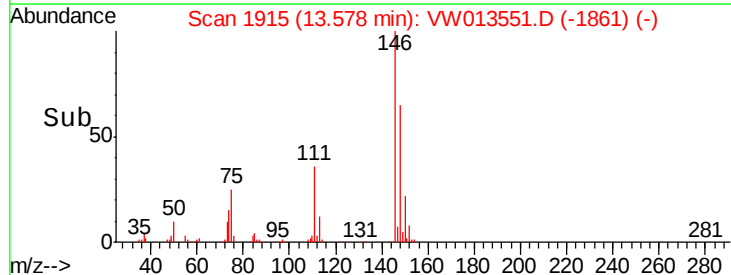
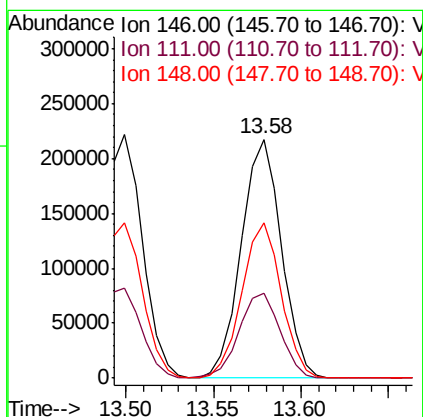
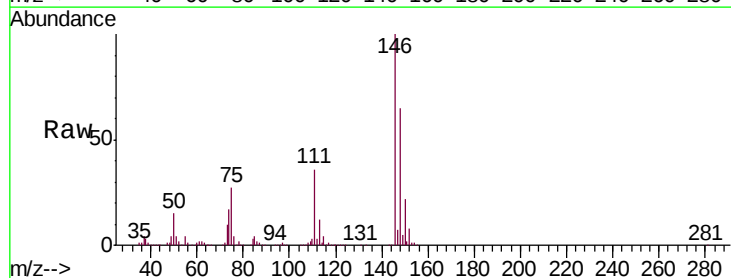
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

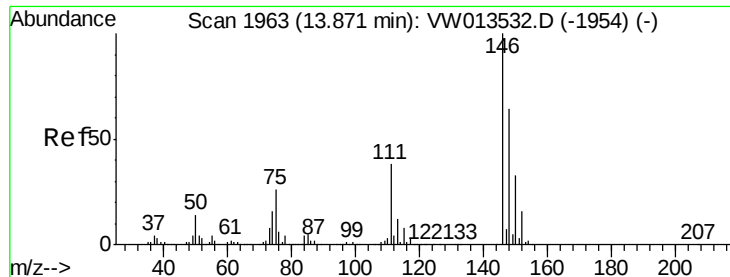
Tgt Ion:146 Resp: 352011
 Ion Ratio Lower Upper
 146 100
 111 37.0 25.3 46.9
 148 64.0 42.8 79.4



#64
 1,4-Dichlorobenzene
 Concen: 25.244 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion:146 Resp: 347387
 Ion Ratio Lower Upper
 146 100
 111 35.7 25.8 47.8
 148 65.1 43.7 81.1

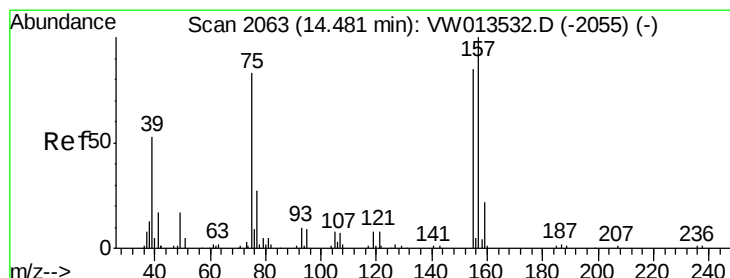
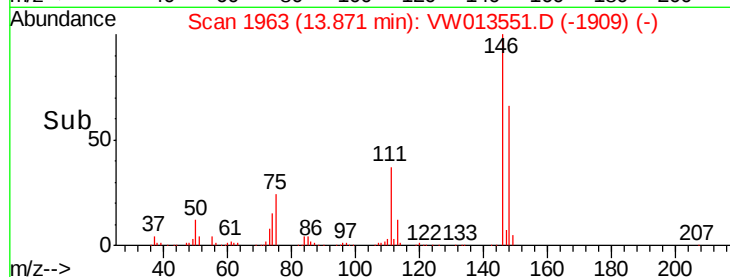
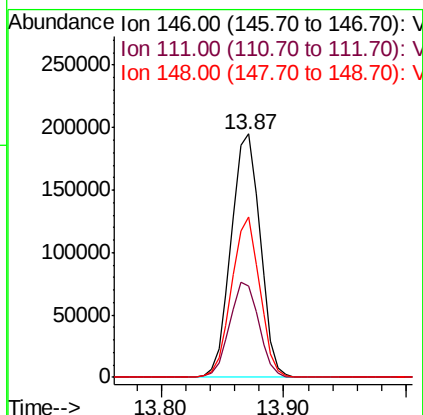
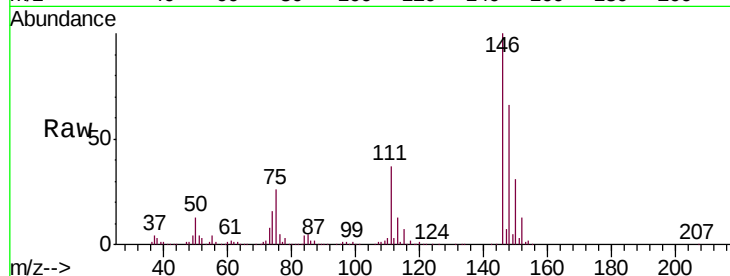




#65
 1,2-Dichlorobenzene
 Concen: 25.706 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

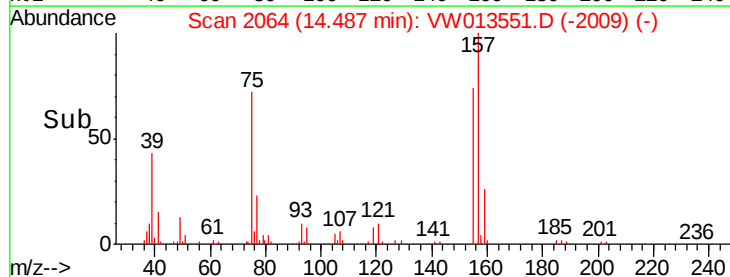
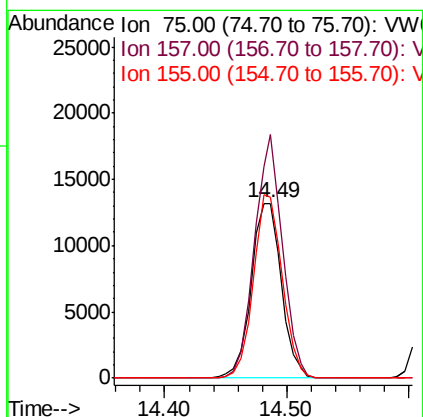
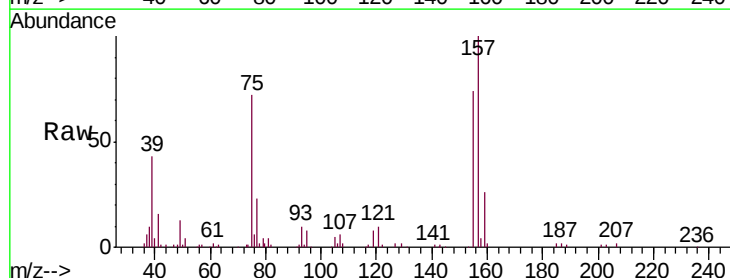
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

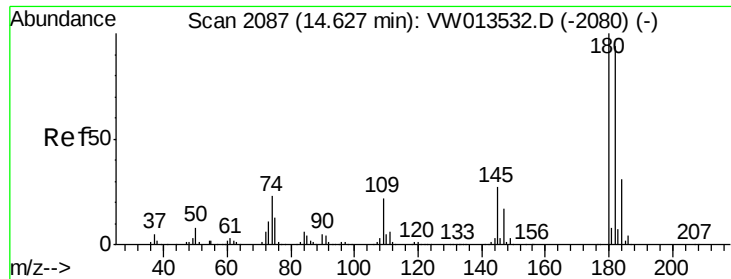
Tgt Ion: 146 Resp: 319516
 Ion Ratio Lower Upper
 146 100
 111 37.4 31.0 46.4
 148 65.7 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.519 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion: 75 Resp: 22756
 Ion Ratio Lower Upper
 75 100
 157 139.0 102.0 153.0
 155 103.2 77.6 116.4

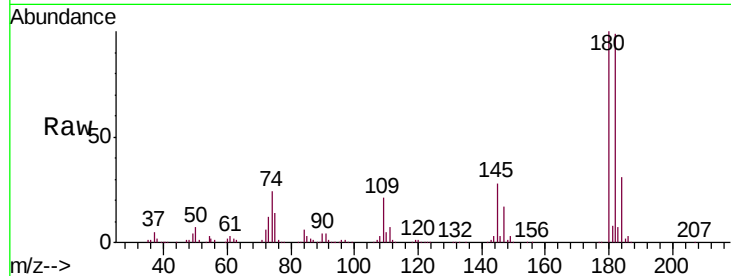




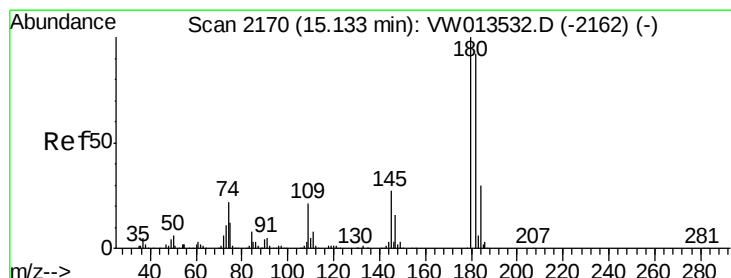
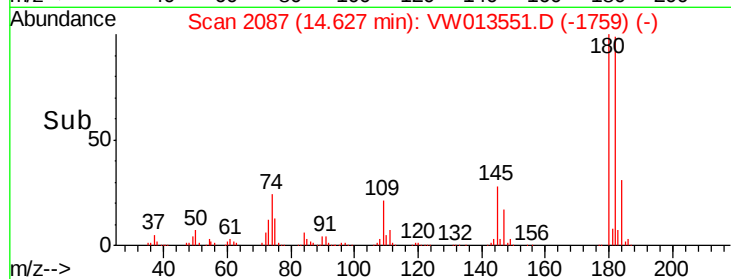
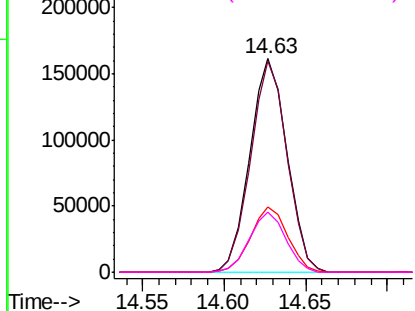
#67
 1,3,5-Trichlorobenzene
 Concen: 24.539 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tgt Ion:	180	Resp:	256037
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.0	115.4
184	30.5	24.7	37.1
145	27.6	22.2	33.2

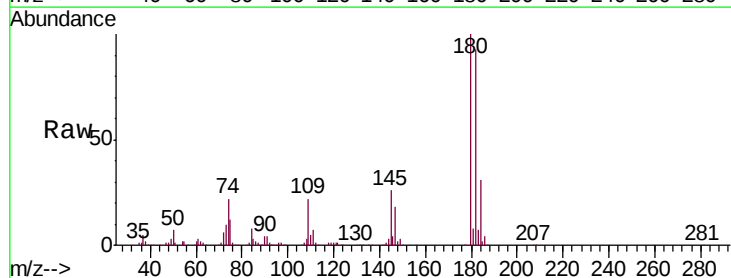


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

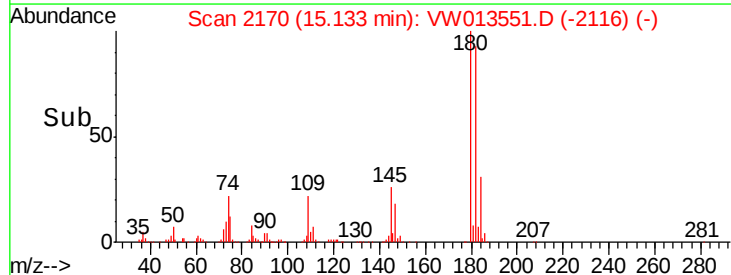
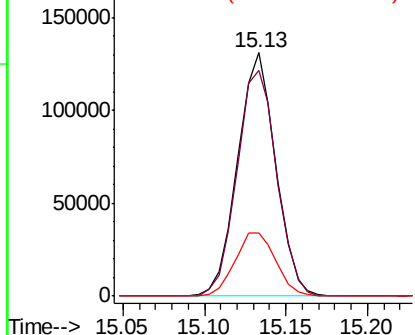


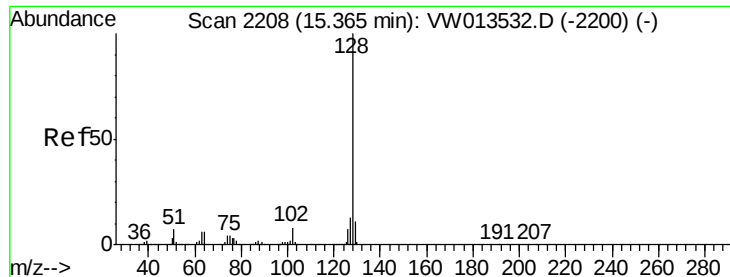
#68
 1,2,4-trichlorobenzene
 Concen: 24.599 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013551.D
 Acq: 11 Oct 2019 20:58

Tgt Ion:	180	Resp:	212736
Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.2	117.2
145	27.9	22.8	34.2



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: 26.057 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

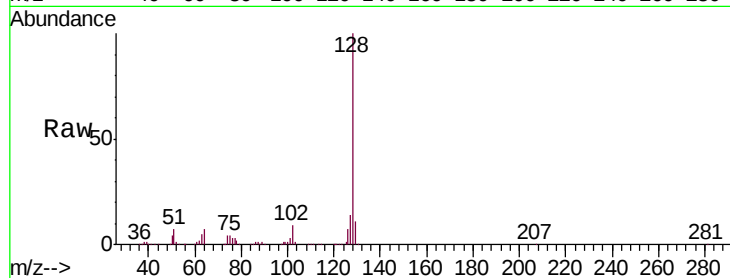
Tgt Ion:128 Resp: 410442

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

127 13.2 10.4 15.6

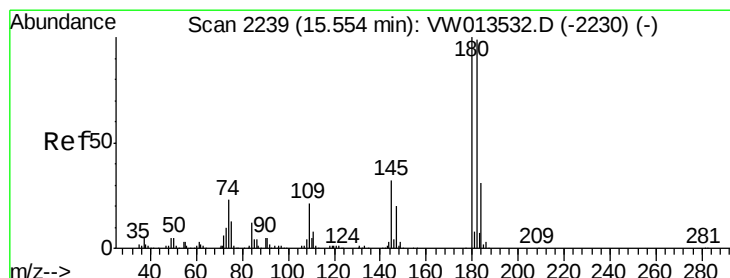
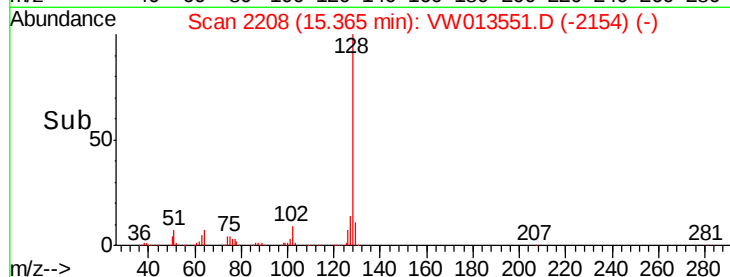
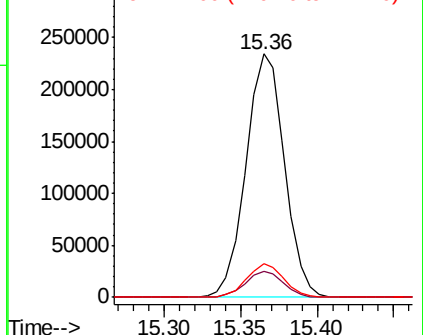


Abundance

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: 24.742 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013551.D

Acq: 11 Oct 2019 20:58

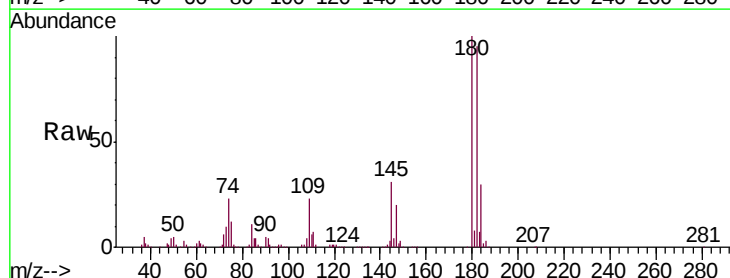
Tgt Ion:180 Resp: 190534

Ion Ratio Lower Upper

180 100

182 97.2 76.0 114.0

145 30.2 23.1 34.7



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

