

Data File : VW014091.D
Acq On : 22 Nov 2019 11:18
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Quant Time: Nov 22 22:56:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 21 17:05:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	318881	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	303381	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	183615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	110417	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.80%
7) Chloroethane-d5	2.89	69	94331	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.48%
10) 1,1-Dichloroethene-d2	4.01	63	236929	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.76%
20) 2-Butanone-d5	7.07	46	72591	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
24) Chloroform-d	7.64	84	242270	24.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.84%
26) 1,2-Dichloroethane-d4	8.30	65	123753	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
29) Benzene-d6	8.27	84	497919	23.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.52%
33) 1,2-Dichloropropane-d6	9.27	67	152438	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	10.32	98	464339	22.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.00%
38) trans-1,3-Dichloropropene-	10.57	79	64996	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.28%
39) 2-Hexanone-d5	10.92	63	58259	48.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120077	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	168502	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	78364	20.664	ug/L 100
3) Chloromethane	2.21	50	66379	19.706	ug/L 98
5) Vinyl chloride	2.36	62	126699	24.089	ug/L 92
6) Bromomethane	2.78	94	77099	23.677	ug/L 99
8) Chloroethane	2.92	64	74999	23.973	ug/L 98
9) Trichlorofluoromethane	3.25	101	72081	20.098	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	129875	24.525	ug/L 99
12) 1,1-Dichloroethene	4.04	96	127977	23.774	ug/L 94
13) Acetone	4.12	43	61739	41.049	ug/L 99
14) Carbon disulfide	4.38	76	354990	23.170	ug/L 100
15) Methyl Acetate	4.67	43	58032	23.848	ug/L 99
16) Methylene chloride	4.92	84	134273	21.872	ug/L 93
17) Methyl tert-butyl Ether	5.42	73	163377	23.525	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	134052	23.880	ug/L 100
19) 1,1-Dichloroethane	6.21	63	236098	24.970	ug/L 99
21) 2-Butanone	7.16	43	85371	44.182	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	143352	24.267	ug/L 98

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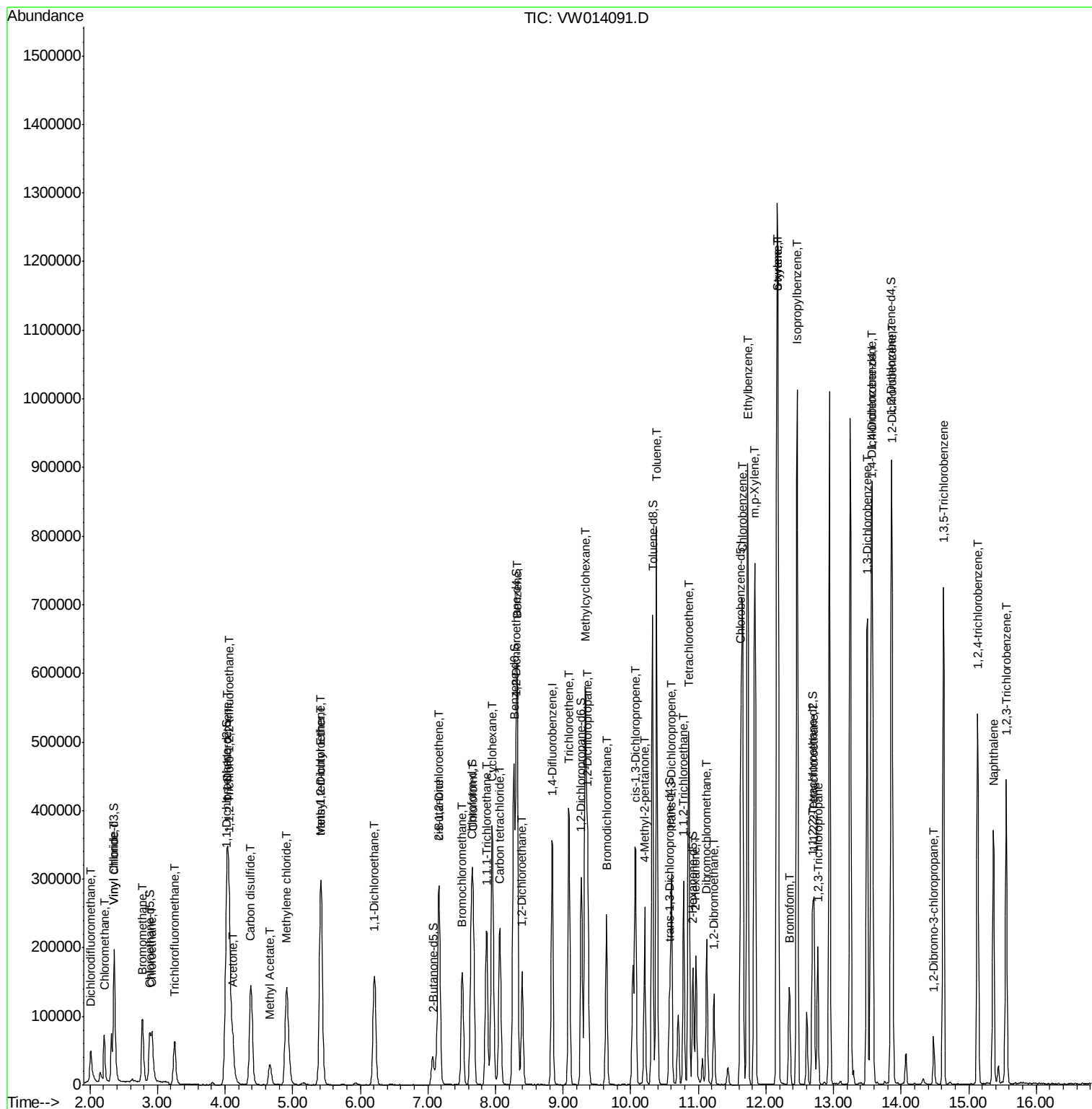
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64436	24.850	ug/L	95
25) Chloroform	7.67	83	234330	25.236	ug/L	99
27) 1,2-Dichloroethane	8.40	62	147513	26.240	ug/L	100
30) Cyclohexane	7.95	56	224873	23.162	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189922	24.980	ug/L	99
32) Carbon tetrachloride	8.06	117	179914	24.651	ug/L	100
34) Benzene	8.32	78	544418	24.465	ug/L	100
35) Trichloroethene	9.09	95	143056	24.100	ug/L	99
36) Methylcyclohexane	9.33	83	245751	23.090	ug/L	98
40) 1,2-Dichloropropane	9.37	63	133057	24.838	ug/L	100
41) Bromodichloromethane	9.64	83	167569	25.875	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	210087	24.851	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	164353	46.468	ug/L	100
44) Toluene	10.38	91	593616	24.467	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	166325	24.880	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	96699	24.567	ug/L	99
47) Tetrachloroethene	10.86	164	127569	24.111	ug/L	97
49) 2-Hexanone	10.96	43	118302	46.394	ug/L	97
50) Dibromochloromethane	11.13	129	119607	25.853	ug/L	97
51) 1,2-Dibromoethane	11.23	107	93608	24.512	ug/L	97
52) Chlorobenzene	11.65	112	375258	24.672	ug/L	96
53) Ethylbenzene	11.73	91	655505	24.621	ug/L	99
54) m,p-Xylene	11.83	106	253425	24.493	ug/L	98
55) o-xylene	12.16	106	241062	24.880	ug/L	100
56) Styrene	12.18	104	415257	25.371	ug/L	98
57) Isopropylbenzene	12.46	105	665694	24.989	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	115244	25.079	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	84593	24.476	ug/L	99
62) Bromoform	12.35	173	71653	23.812	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	307774	23.872	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	301270	23.651	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	276052	24.180	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	17200	22.122	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	241184	24.547	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	191087	24.734	ug/L	98
69) Naphthalene	15.36	128	320220	23.331	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	168101	24.655	ug/L	100

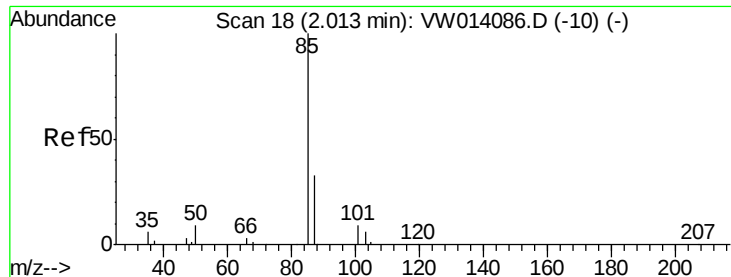
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.664 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

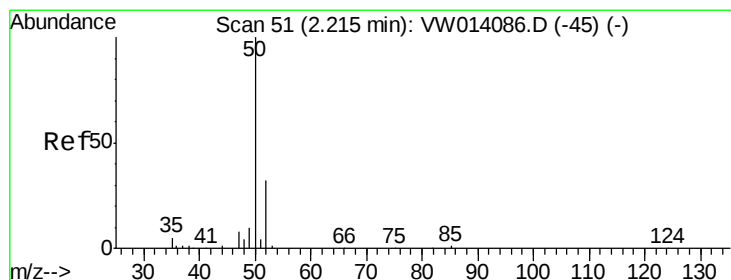
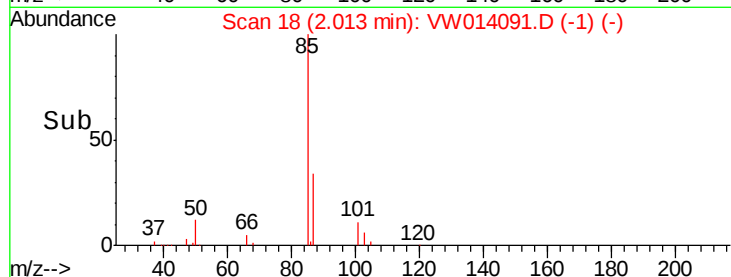
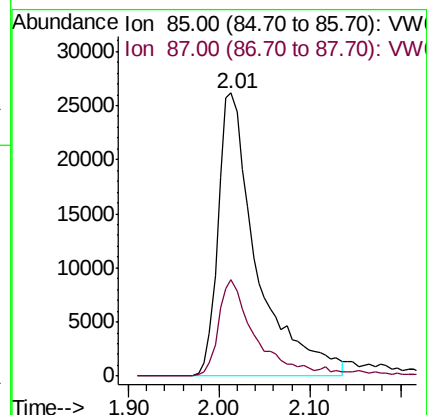
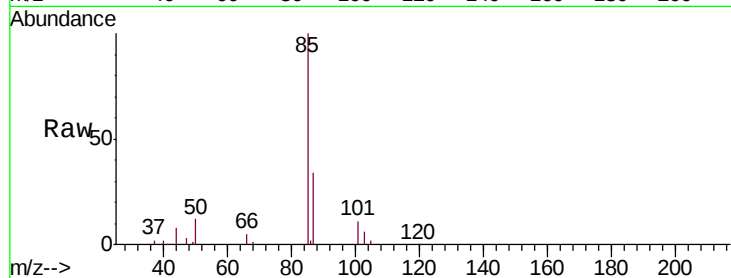
VSTD02517

Tgt Ion: 85 Resp: 78364

Ion Ratio Lower Upper

85 100

87 31.4 22.1 41.1



#3

Chloromethane

Concen: 19.706 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014091.D

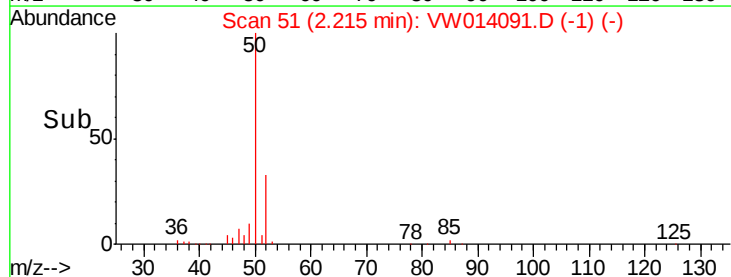
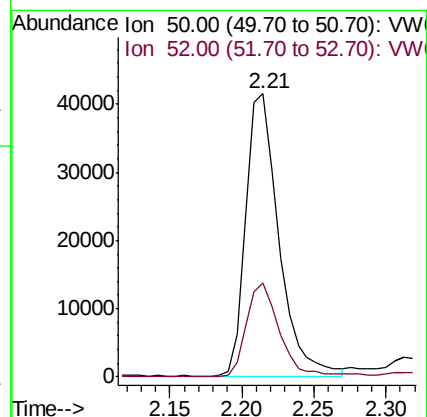
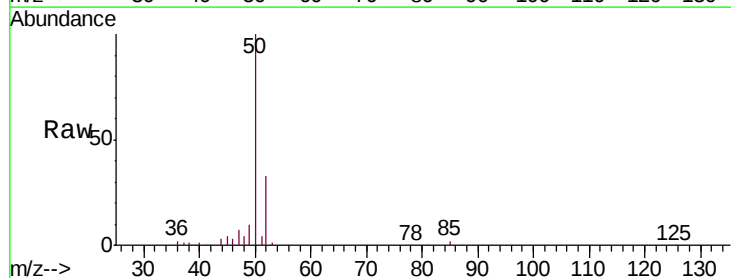
Acq: 22 Nov 2019 11:18

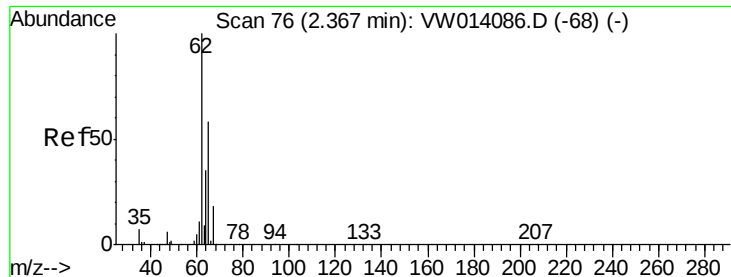
Tgt Ion: 50 Resp: 66379

Ion Ratio Lower Upper

50 100

52 33.0 23.8 44.2





#5

Vinyl chloride

Concen: 24.089 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

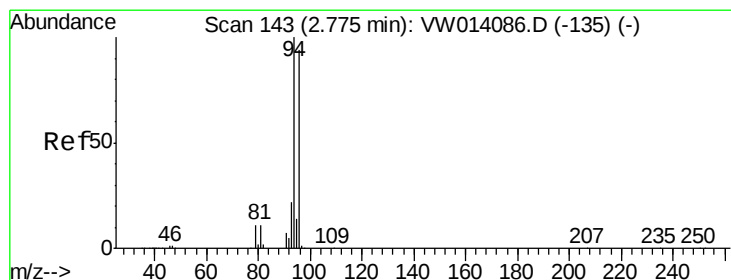
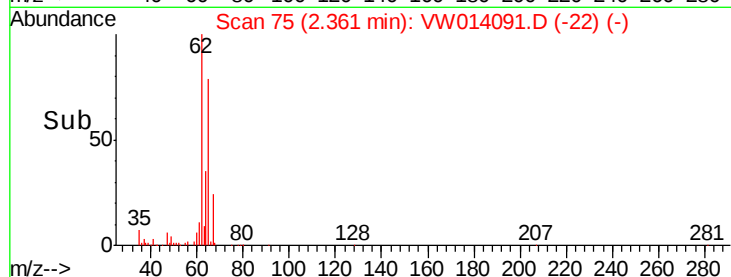
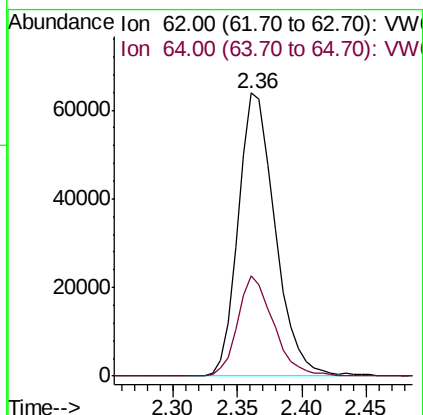
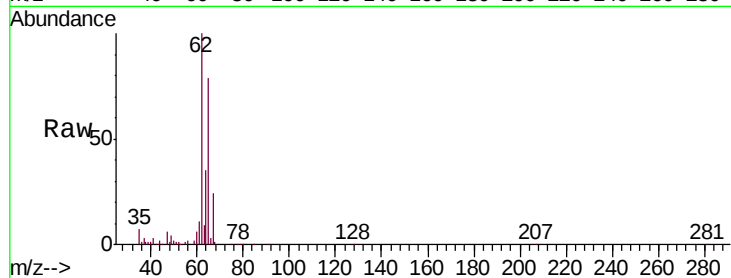
VSTD02517

Tgt Ion: 62 Resp: 126699

Ion Ratio Lower Upper

62 100

64 35.4 21.8 40.4



#6

Bromomethane

Concen: 23.677 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014091.D

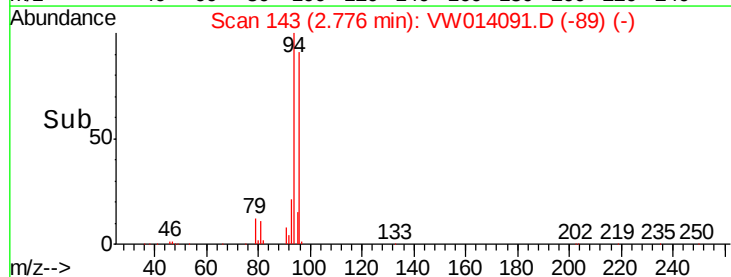
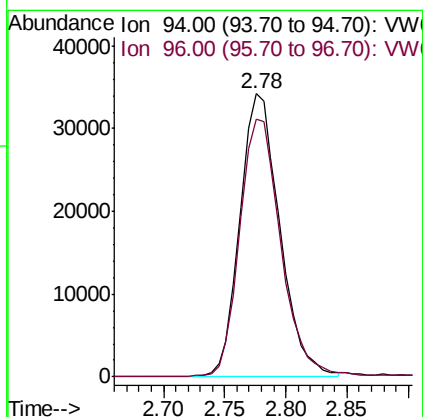
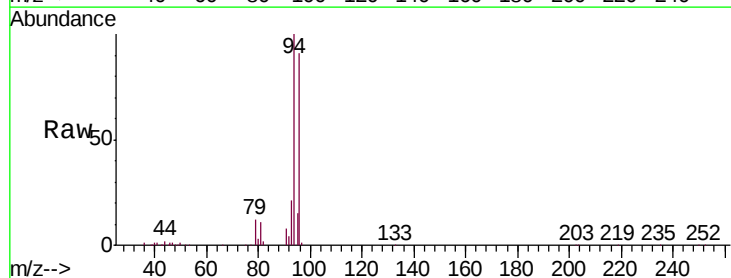
Acq: 22 Nov 2019 11:18

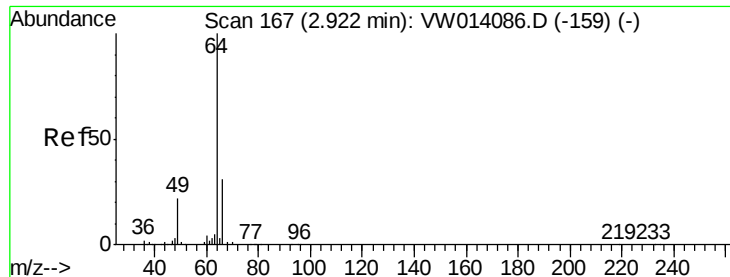
Tgt Ion: 94 Resp: 77099

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.8





#8

Chloroethane

Concen: 23.973 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

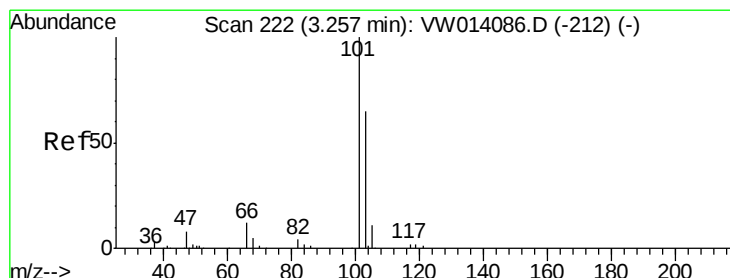
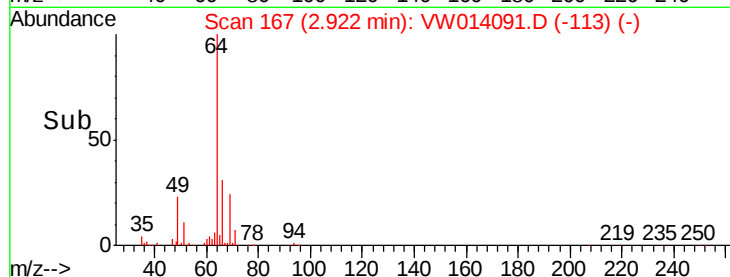
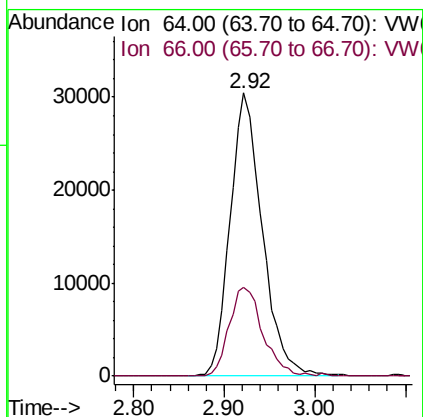
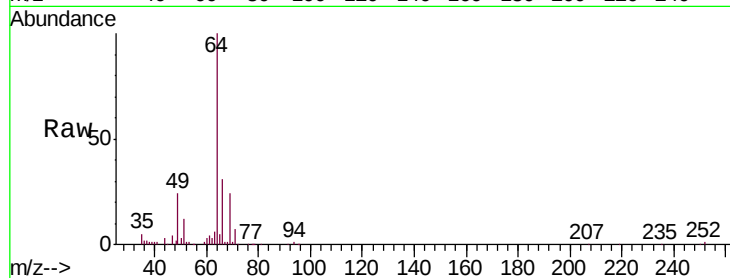
VSTD02517

Tgt Ion: 64 Resp: 74999

Ion Ratio Lower Upper

64 100

66 31.2 21.2 39.4



#9

Trichlorofluoromethane

Concen: 20.098 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014091.D

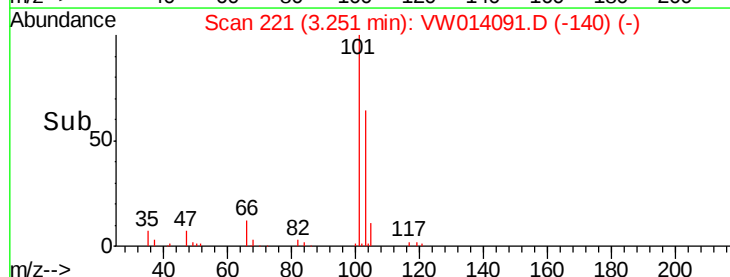
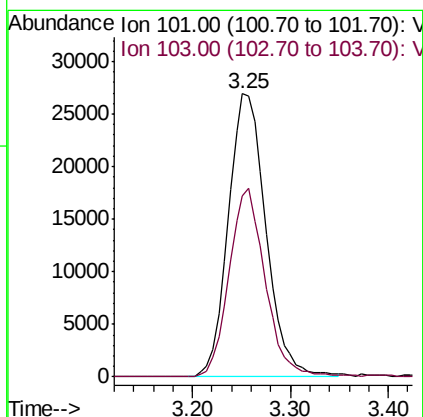
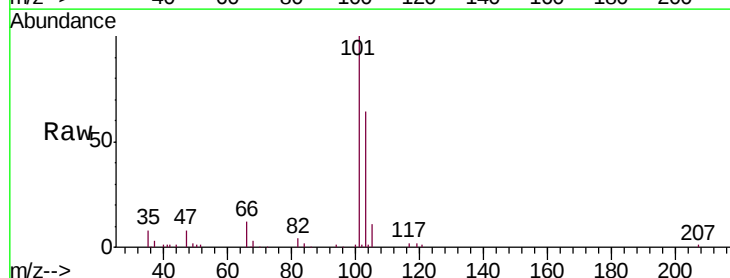
Acq: 22 Nov 2019 11:18

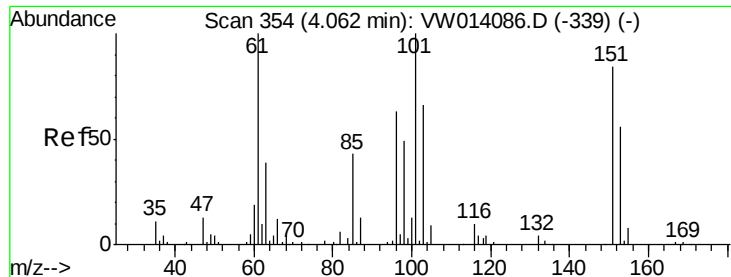
Tgt Ion: 101 Resp: 72081

Ion Ratio Lower Upper

101 100

103 63.8 45.4 84.2





#11

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

Concen: 24.525 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014091.D

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Instrument :

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ClientSampleId :

VSTD02517

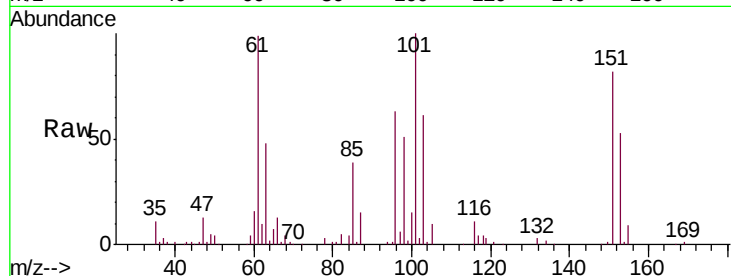
Tgt Ion: 101 Resp: 129875

Ion Ratio Lower Upper

101 100

85 40.6 31.4 47.2

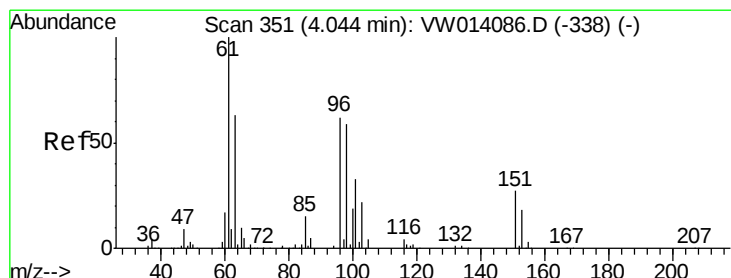
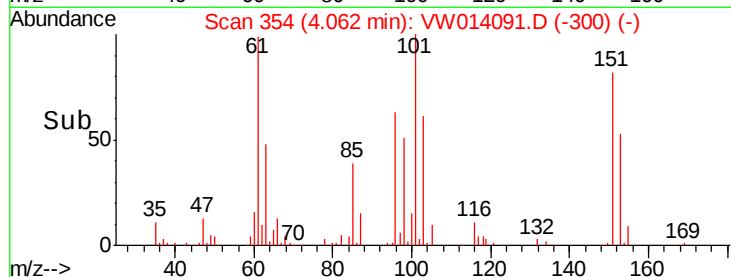
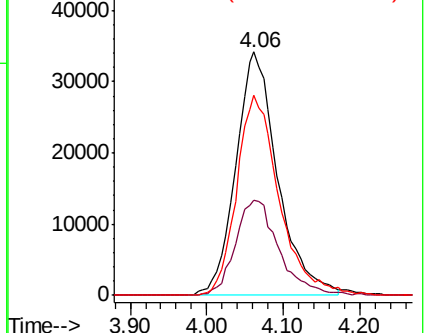
151 83.1 66.9 100.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.774 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

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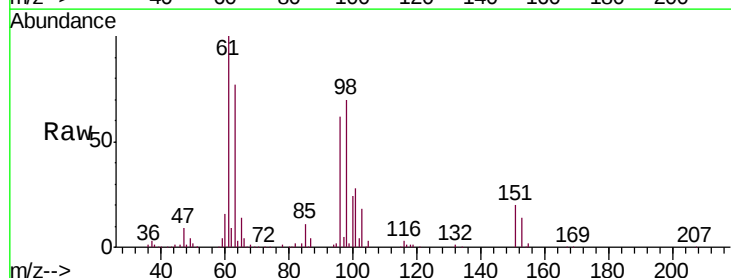
Tgt Ion: 96 Resp: 127977

Ion Ratio Lower Upper

96 100

61 161.7 109.8 204.0

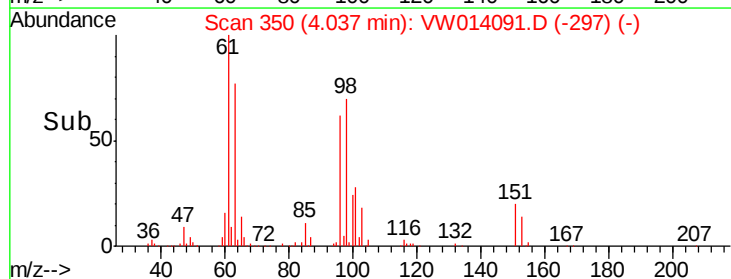
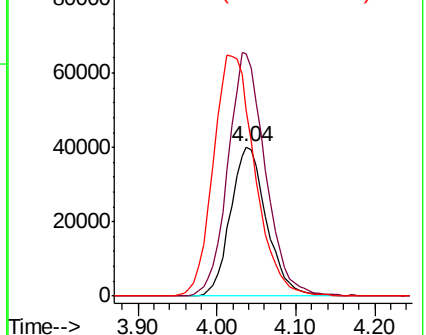
63 124.8 80.7 149.9

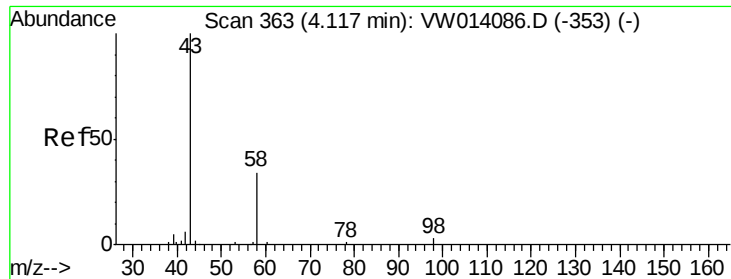


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

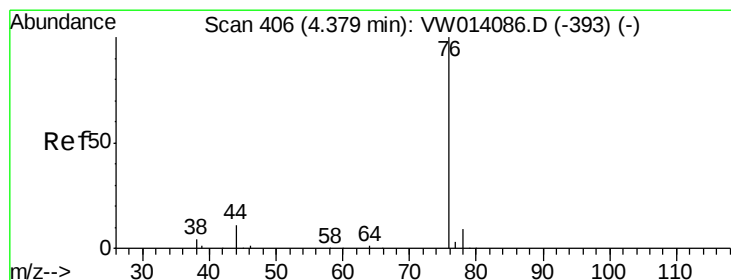
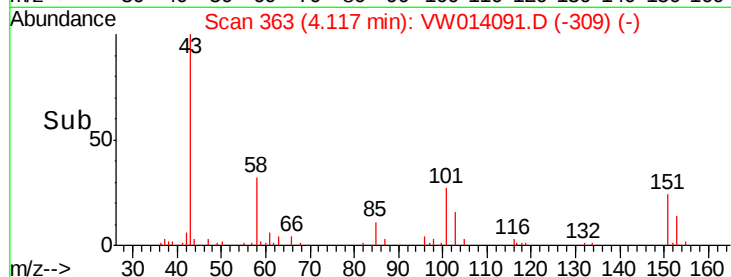
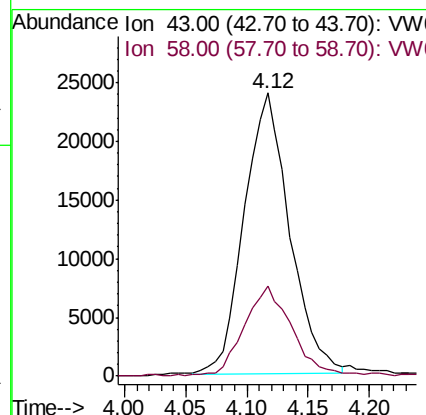
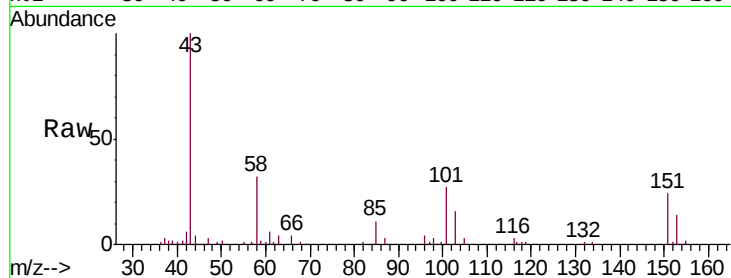




#13
Acetone
Concen: 41.049 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

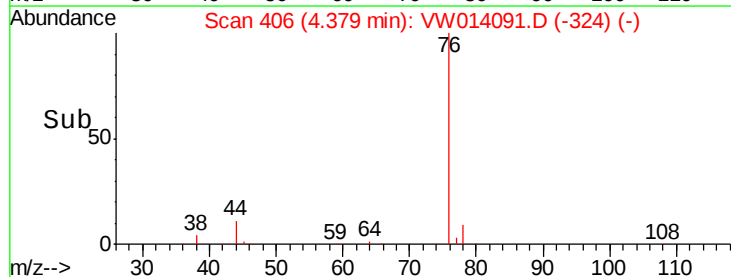
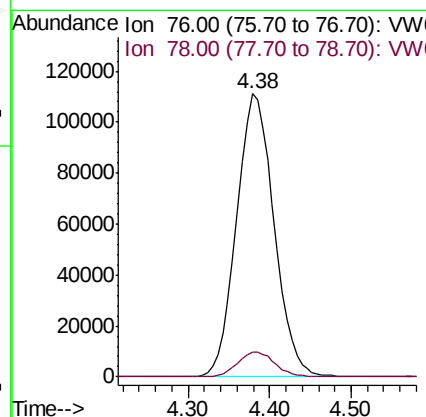
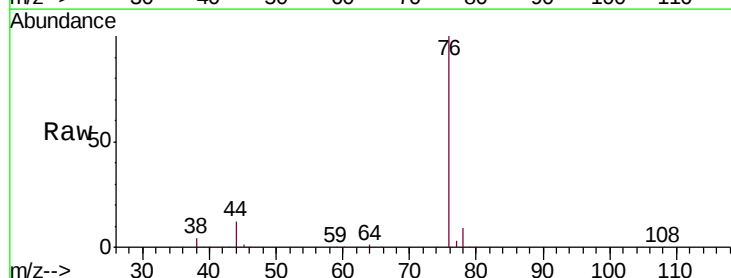
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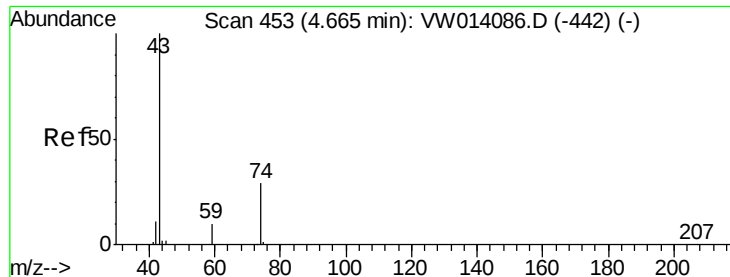
Tgt Ion: 43 Resp: 61739
Ion Ratio Lower Upper
43 100
58 33.3 0.0 65.4



#14
Carbon disulfide
Concen: 23.170 ug/L
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW014091.D
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Tgt Ion: 76 Resp: 354990
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

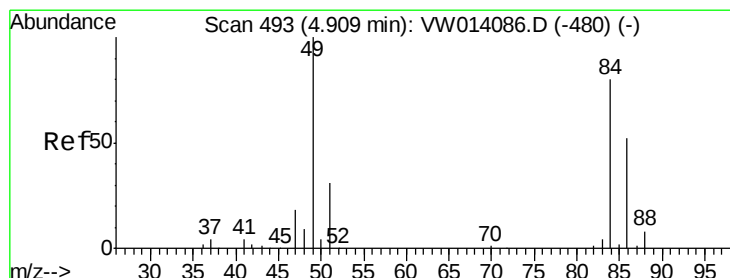
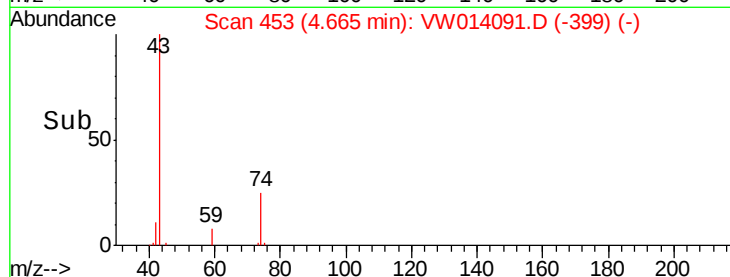
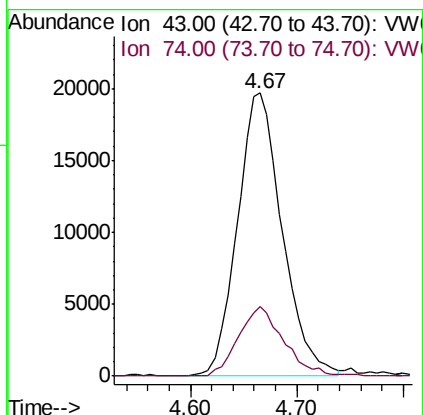
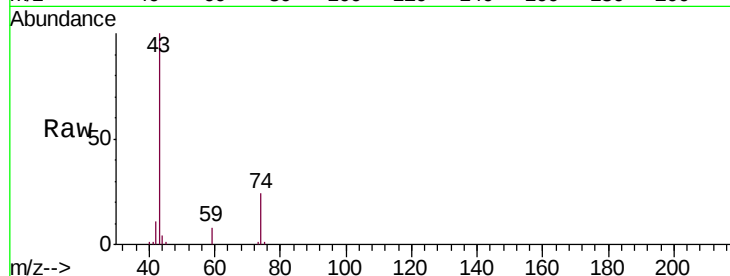




#15
Methyl Acetate
Concen: 23.848 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

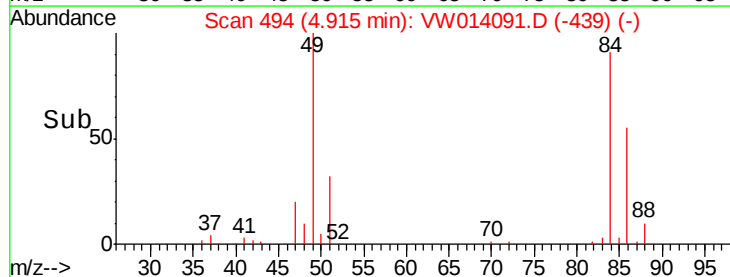
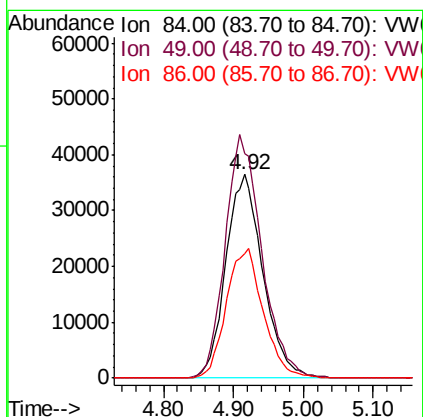
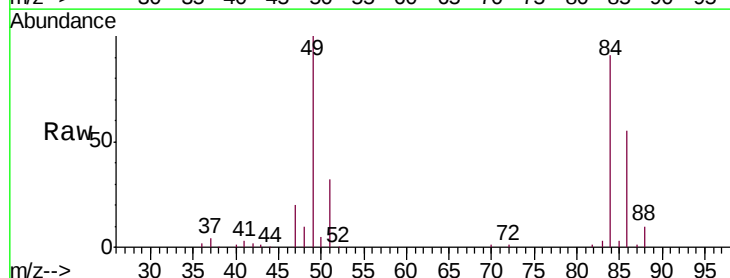
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

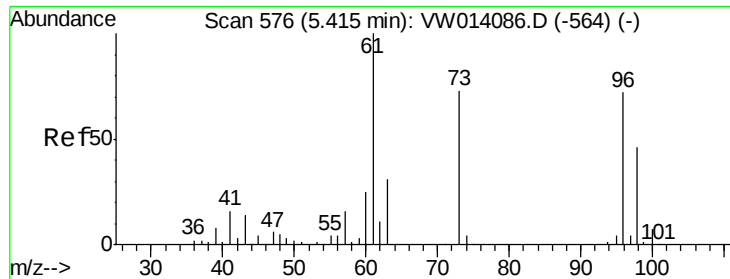
Tgt Ion: 43 Resp: 58032
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9



#16
Methylene chloride
Concen: 21.872 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion: 84 Resp: 134273
Ion Ratio Lower Upper
84 100
49 110.1 84.2 156.4
86 61.1 43.7 81.1

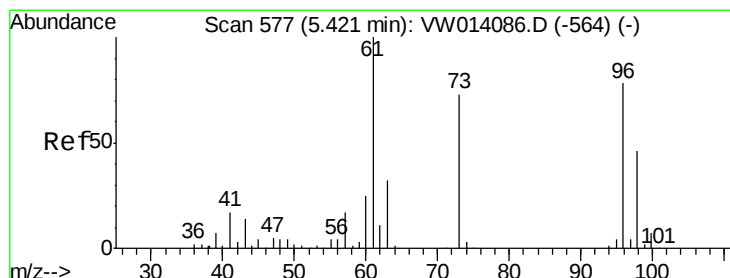
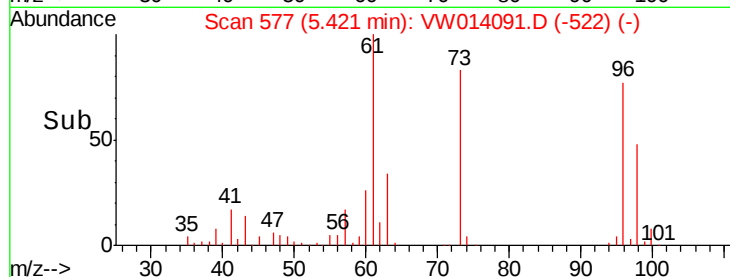
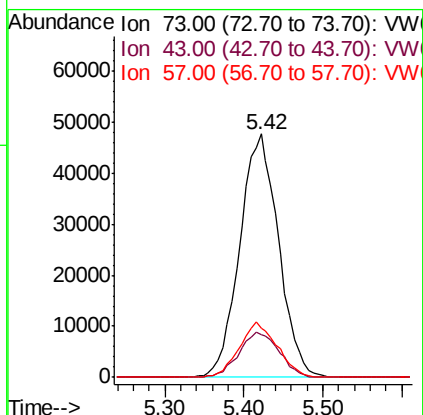
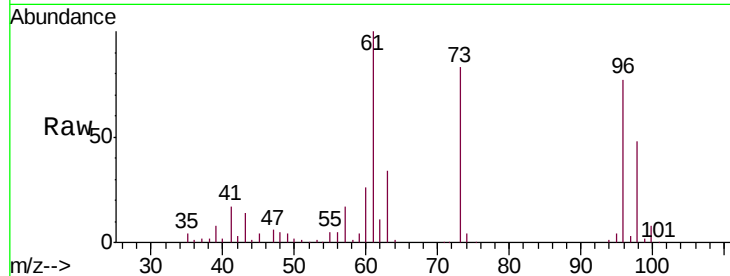




#17
Methyl tert-butyl Ether
Concen: 23.525 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

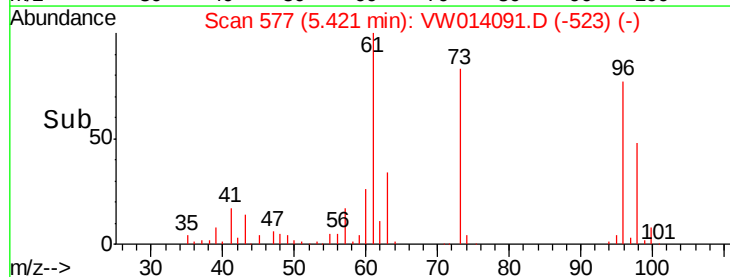
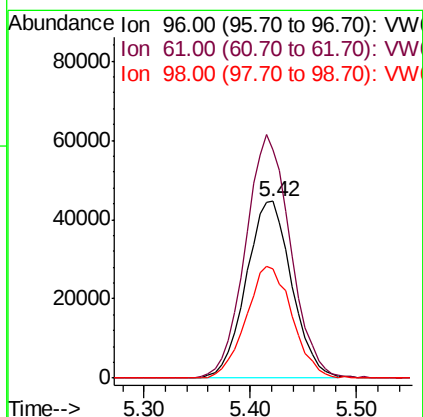
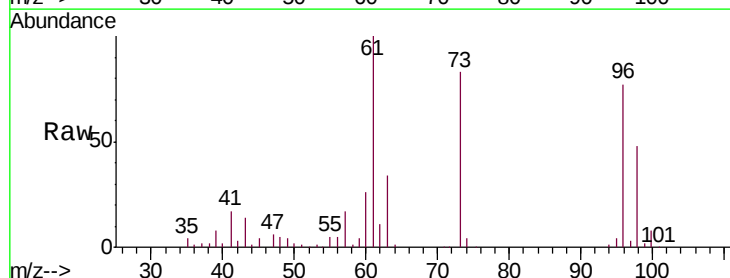
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

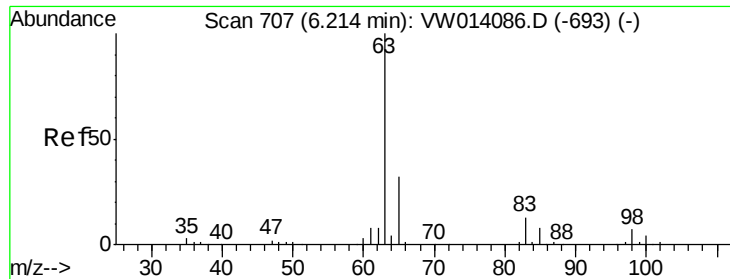
Tgt Ion: 73 Resp: 163377
Ion Ratio Lower Upper
73 100
43 19.2 15.5 23.3
57 22.1 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.880 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion: 96 Resp: 134052
Ion Ratio Lower Upper
96 100
61 129.4 90.6 168.2
98 61.5 42.9 79.7

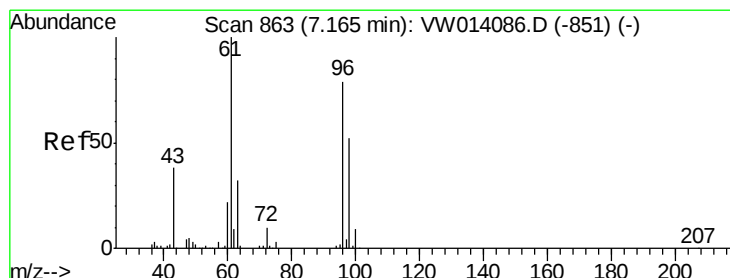
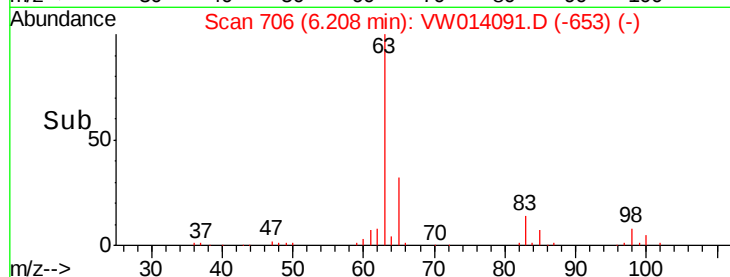
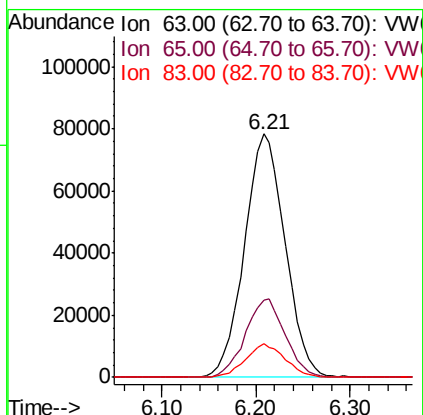
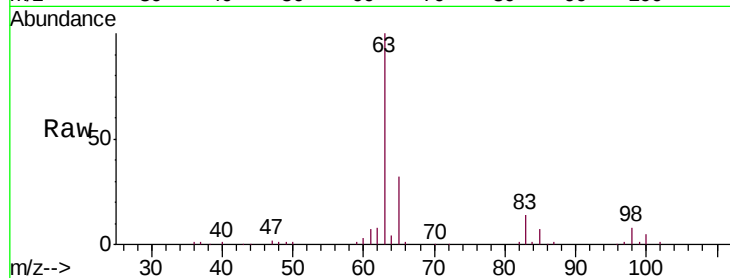




#19
 1,1-Dichloroethane
 Concen: 24.970 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

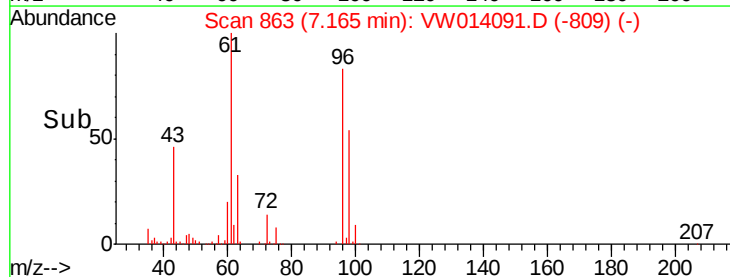
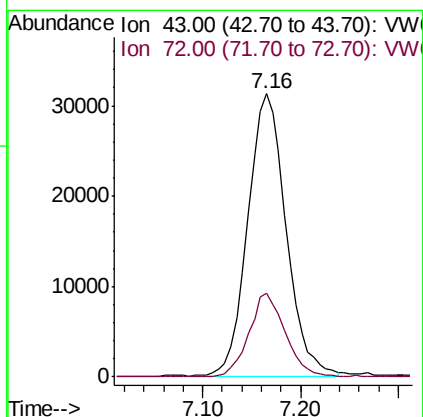
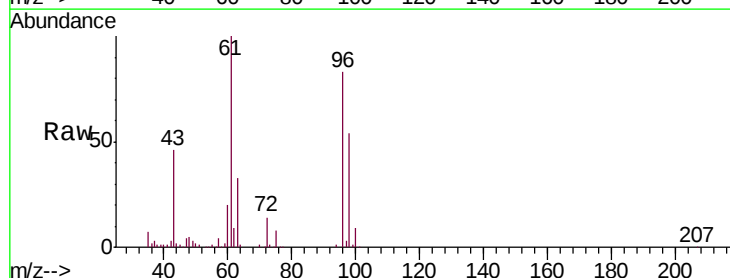
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02517

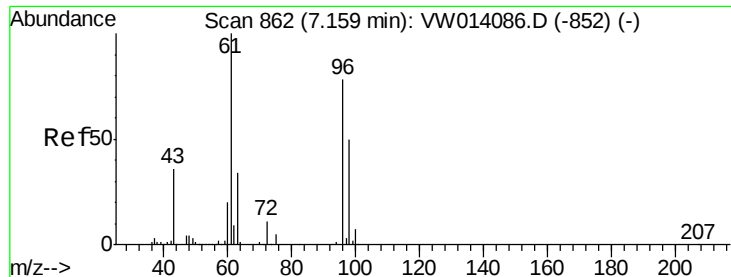
Tgt Ion: 63 Resp: 236098
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.1 41.1
 83 13.6 9.0 16.6



#21
 2-Butanone
 Concen: 44.182 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Tgt Ion: 43 Resp: 85371
 Ion Ratio Lower Upper
 43 100
 72 27.9 14.1 42.2



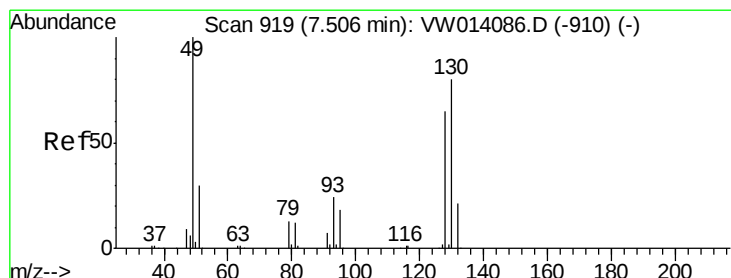
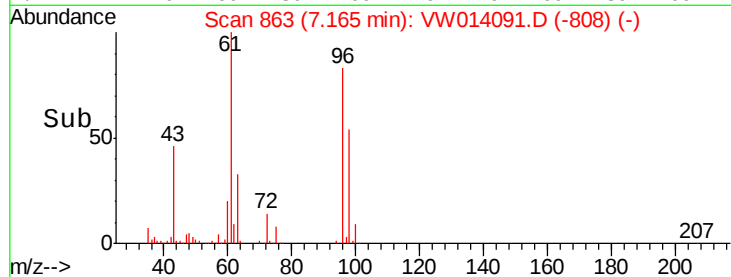
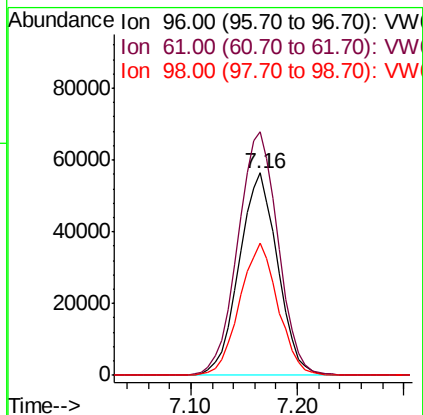
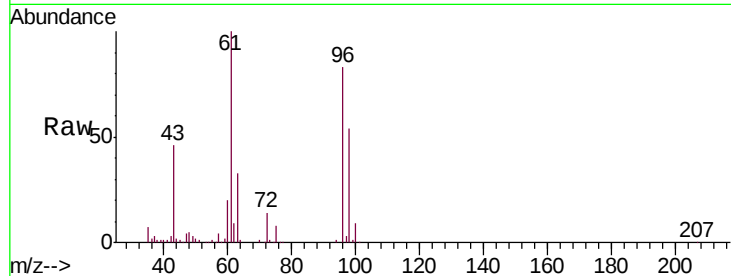


#22

cis-1,2-Dichloroethene
Concen: 24.267 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

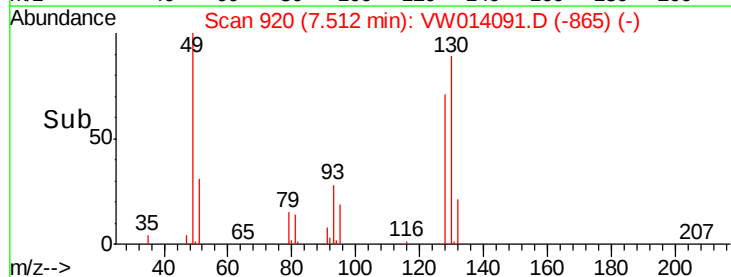
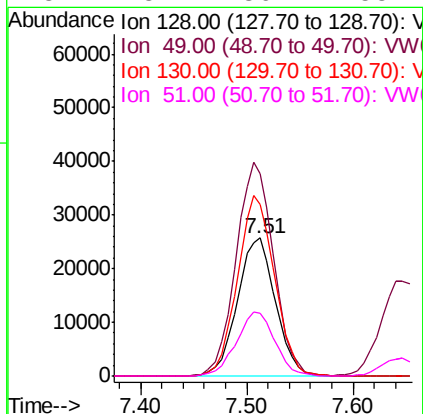
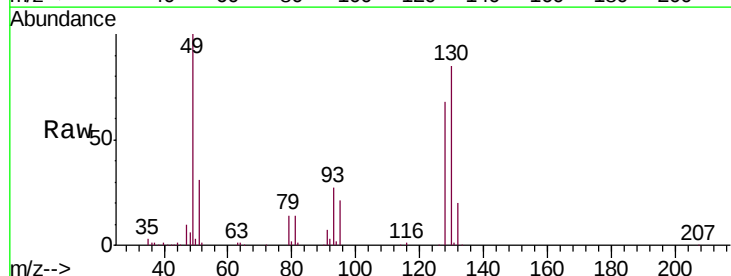
Tgt Ion: 96 Resp: 143352
Ion Ratio Lower Upper
96 100
61 120.4 86.9 161.5
98 65.5 45.5 84.5

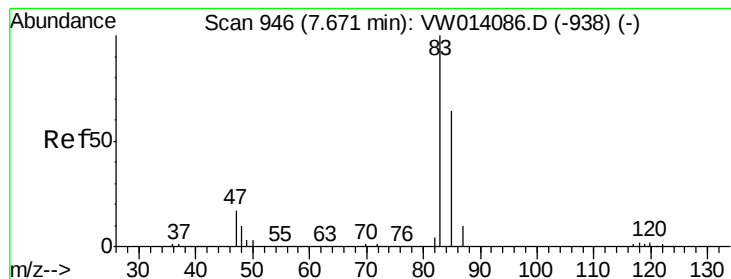


#23

Bromochloromethane
Concen: 24.850 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion: 128 Resp: 64436
Ion Ratio Lower Upper
128 100
49 146.4 95.1 176.5
130 124.7 85.0 158.0
51 45.2 36.7 55.1





#25

Chloroform

Concen: 25.236 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

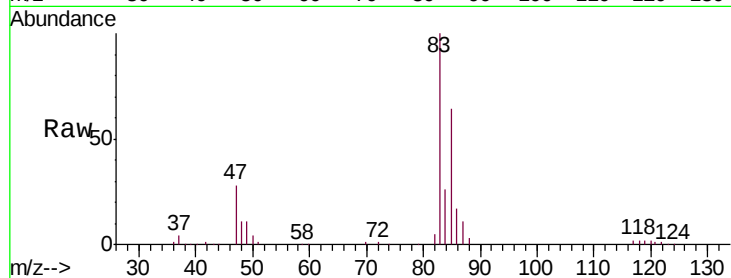
VSTD02517

Tgt Ion: 83 Resp: 234330

Ion Ratio Lower Upper

83 100

85 65.2 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

100000

80000

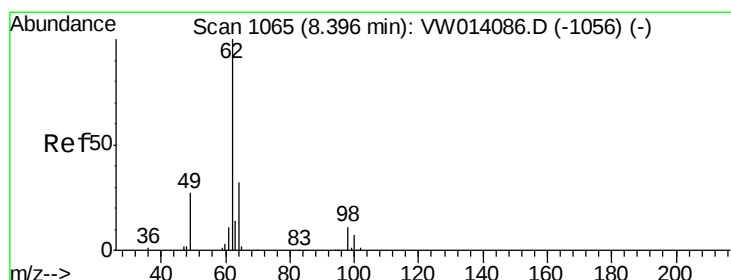
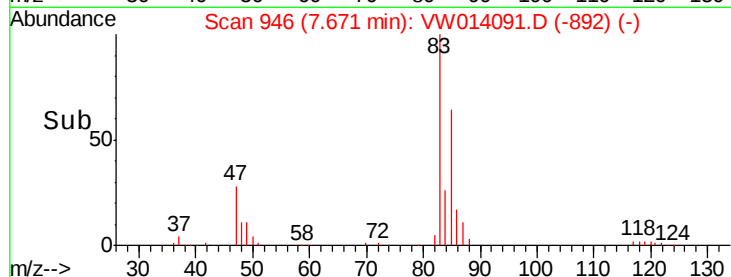
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#27

1,2-Dichloroethane

Concen: 26.240 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014091.D

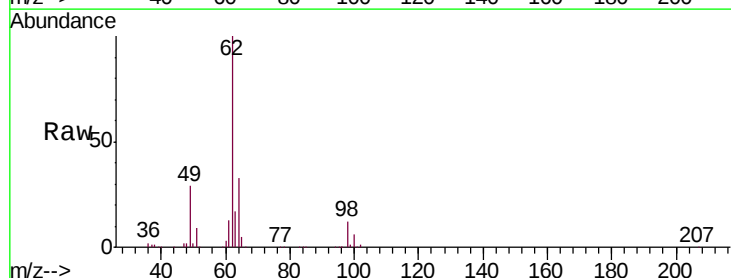
Acq: 22 Nov 2019 11:18

Tgt Ion: 62 Resp: 147513

Ion Ratio Lower Upper

62 100

98 11.7 9.3 13.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

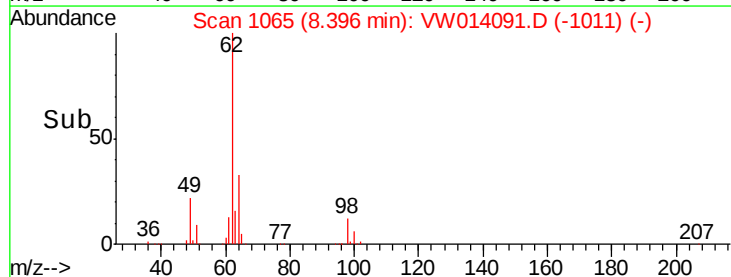
60000

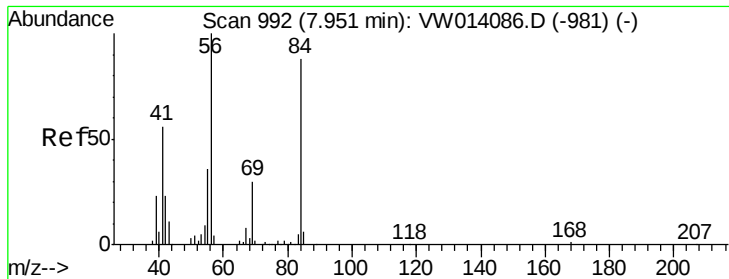
40000

20000

0

Time--> 8.30 8.35 8.40 8.45

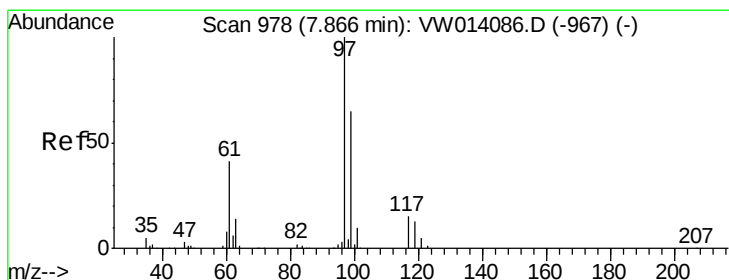
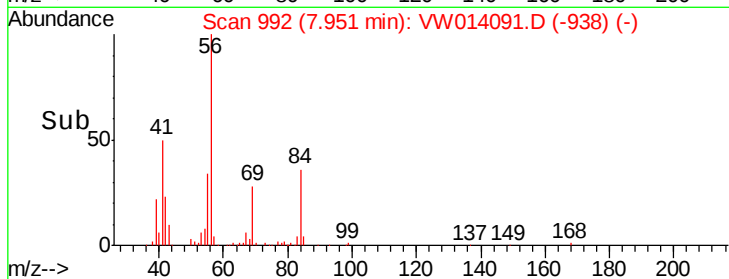
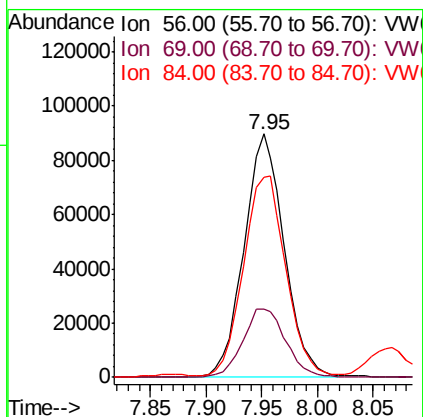
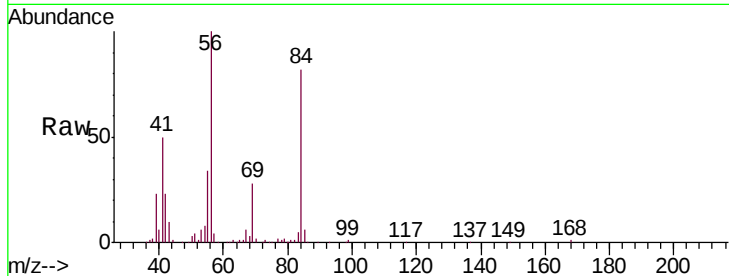




#30
Cyclohexane
Concen: 23.162 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

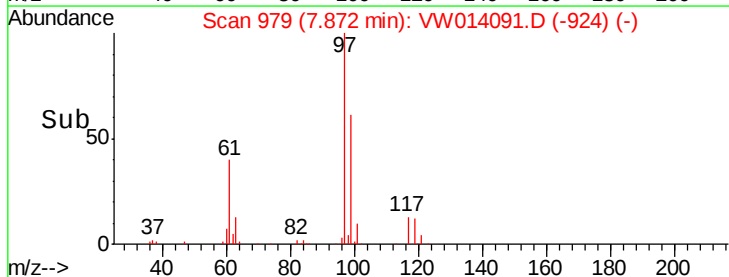
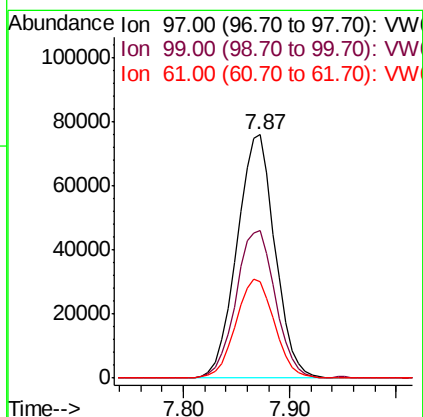
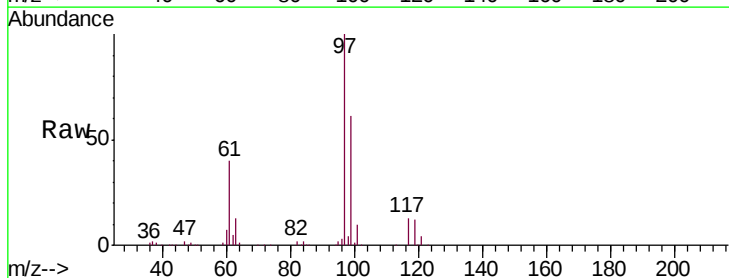
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

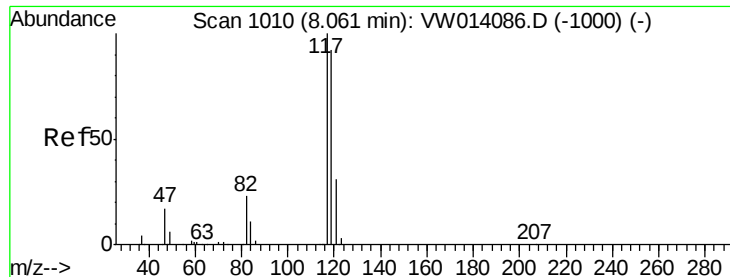
Tgt Ion: 56 Resp: 224873
Ion Ratio Lower Upper
56 100
69 29.9 24.6 37.0
84 87.9 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 24.980 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion: 97 Resp: 189922
Ion Ratio Lower Upper
97 100
99 62.9 51.1 76.7
61 41.5 32.8 49.2





#32

Carbon tetrachloride

Concen: 24.651 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

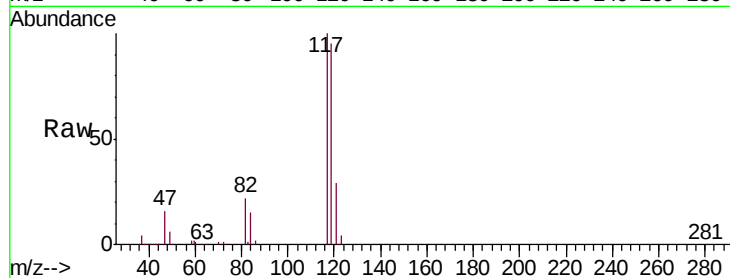
VSTD02517

Tgt Ion:117 Resp: 179914

Ion Ratio Lower Upper

117 100

119 95.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

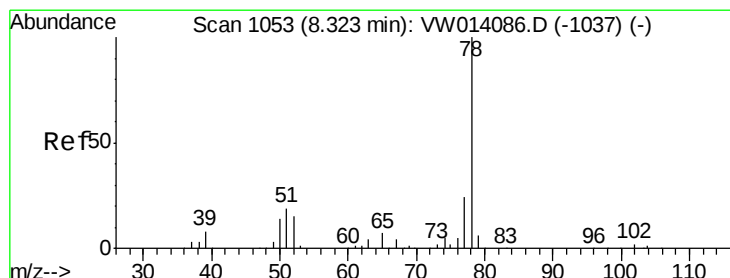
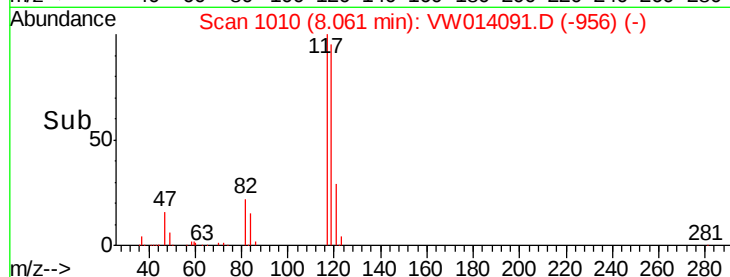
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 24.465 ug/L

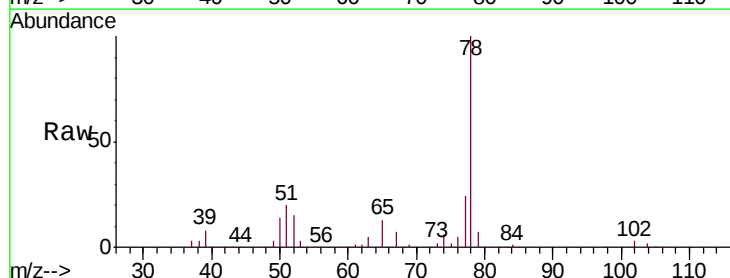
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Tgt Ion: 78 Resp: 544418



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

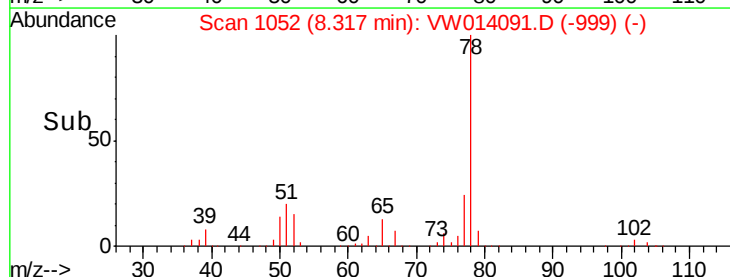
150000

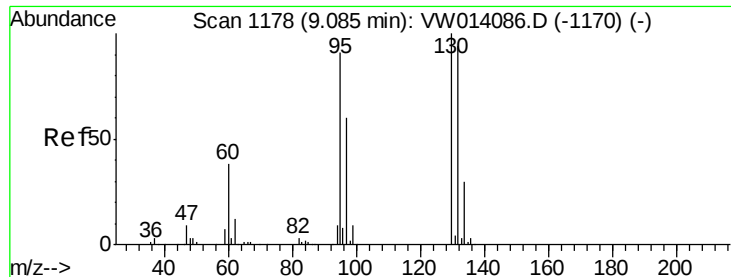
100000

50000

0

Time-->

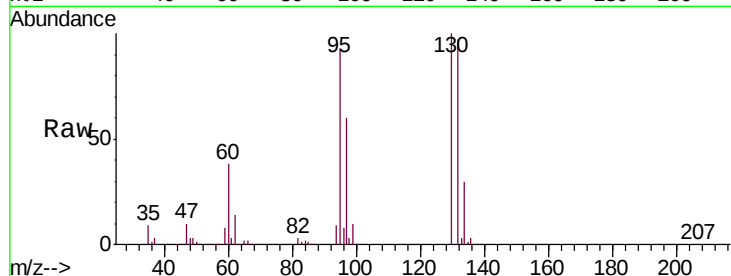




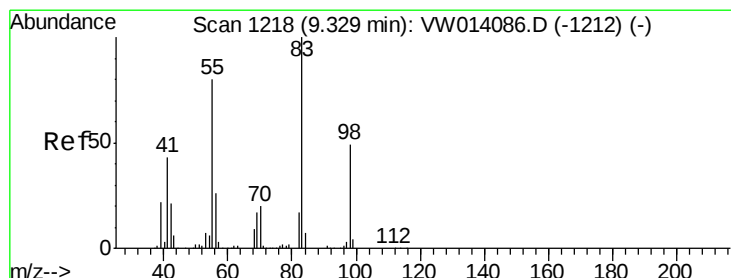
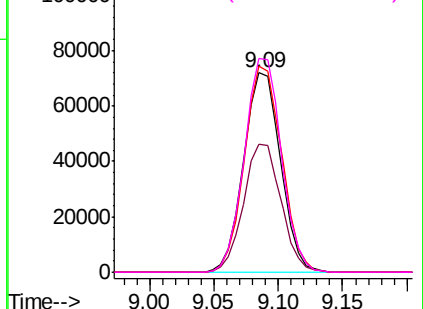
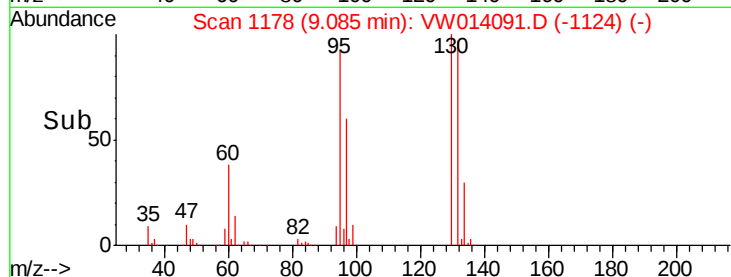
#35
 Trichloroethene
 Concen: 24.100 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion: 95 Resp: 143056
 Ion Ratio Lower Upper
 95 100
 97 64.7 45.1 83.9
 132 103.8 73.7 136.9
 130 107.2 76.6 142.2

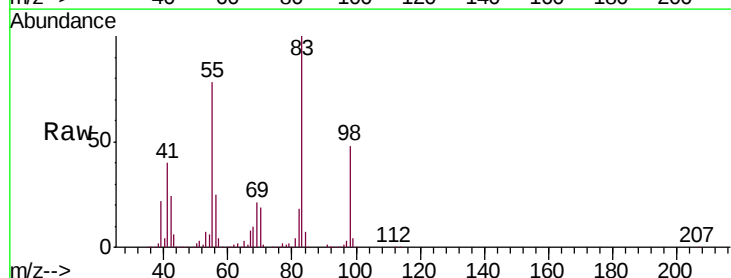


Abundance Ion 95.00 (94.70 to 95.70): VW
 120000
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

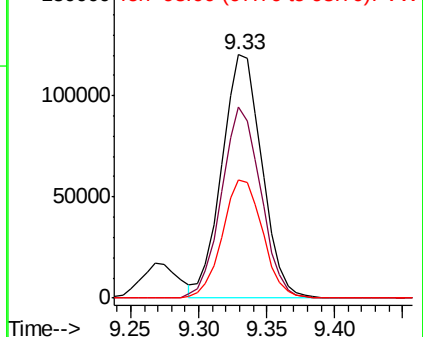
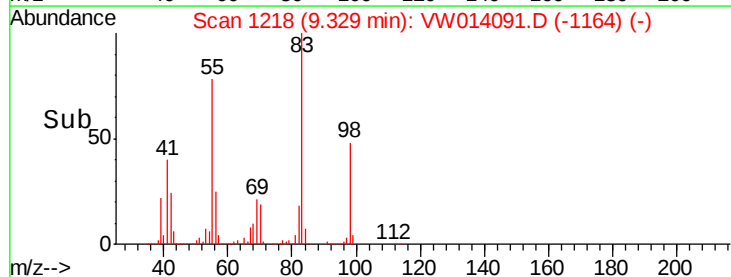


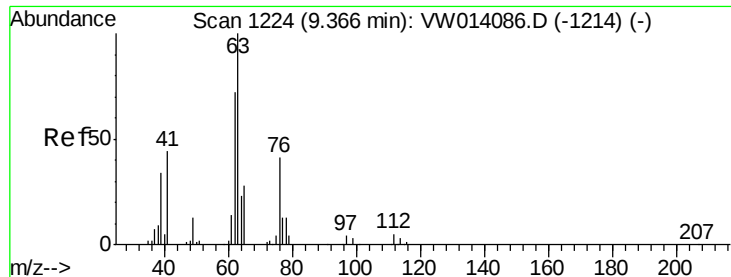
#36
 Methylcyclohexane
 Concen: 23.090 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Tgt Ion: 83 Resp: 245751
 Ion Ratio Lower Upper
 83 100
 55 77.2 59.8 89.8
 98 49.1 39.5 59.3



Abundance Ion 83.00 (82.70 to 83.70): VW
 150000
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

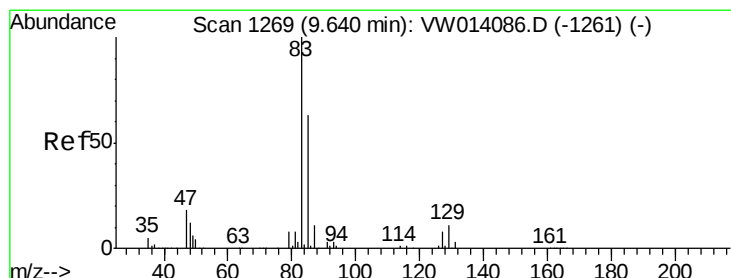
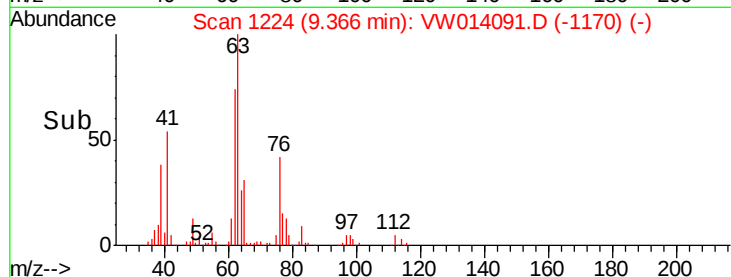
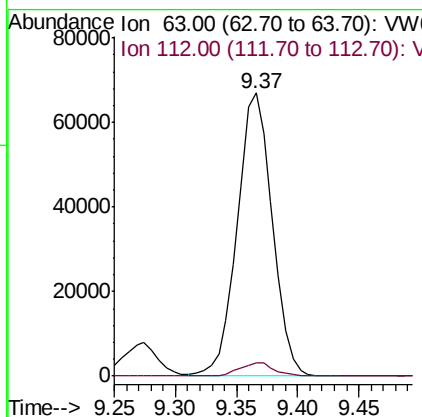
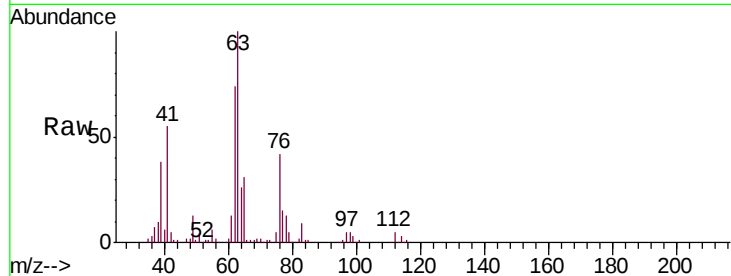




#40
 1,2-Dichloropropane
 Concen: 24.838 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

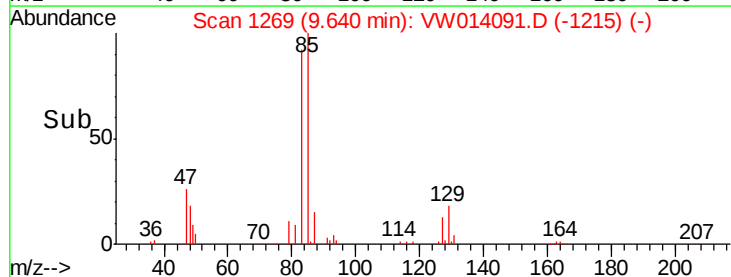
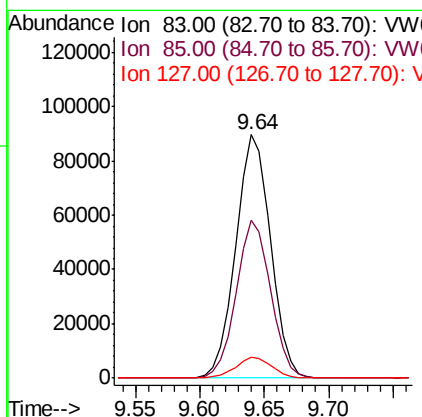
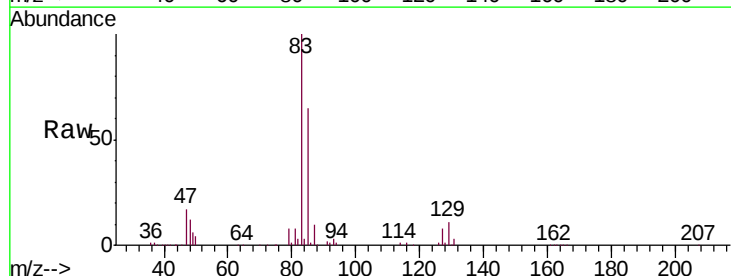
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

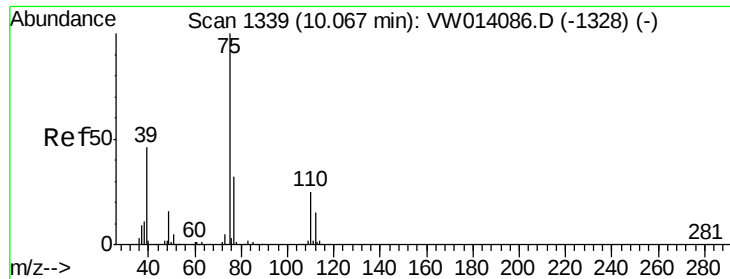
Tgt Ion: 63 Resp: 133057
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.875 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Tgt Ion: 83 Resp: 167569
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.7
 127 8.5 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.851 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

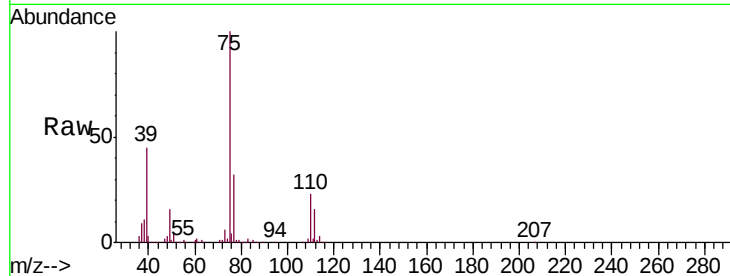
VSTD02517

Tgt Ion: 75 Resp: 210087

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

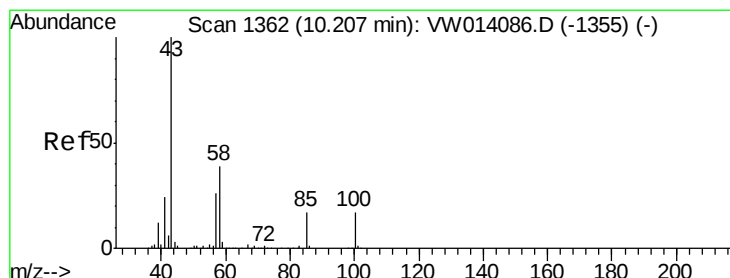
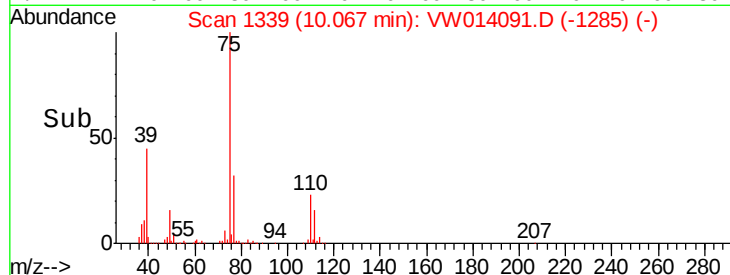
10.07

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 46.468 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

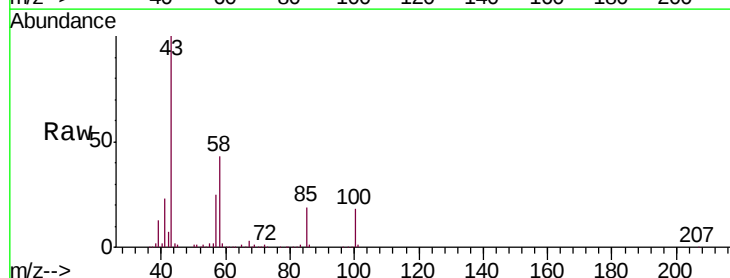
Tgt Ion: 43 Resp: 164353

Ion Ratio Lower Upper

43 100

58 40.7 32.6 49.0

100 16.9 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

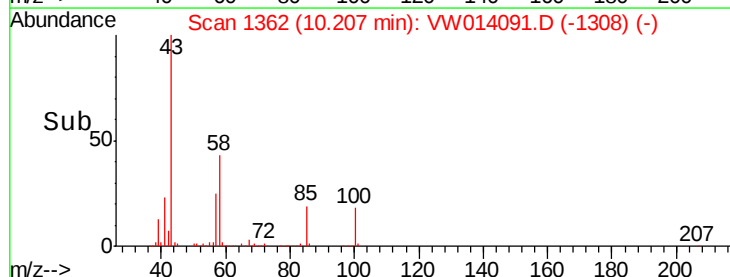
150000

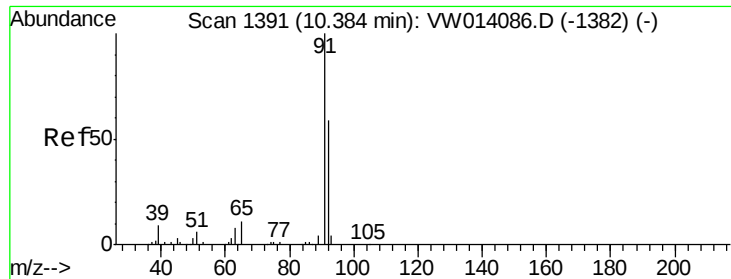
100000

50000

0

Time-->





#44

Toluene

Concen: 24.467 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

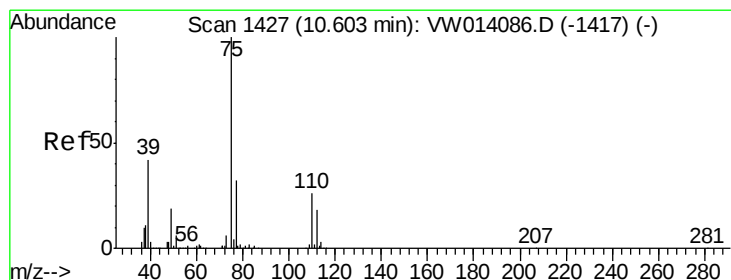
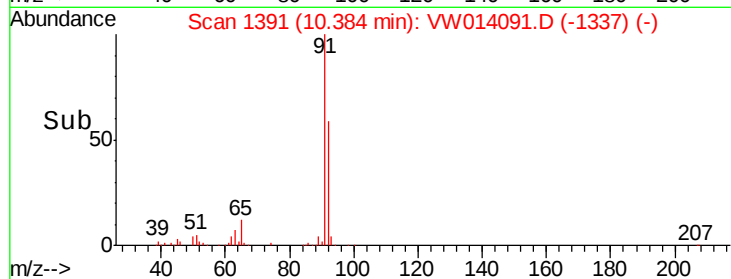
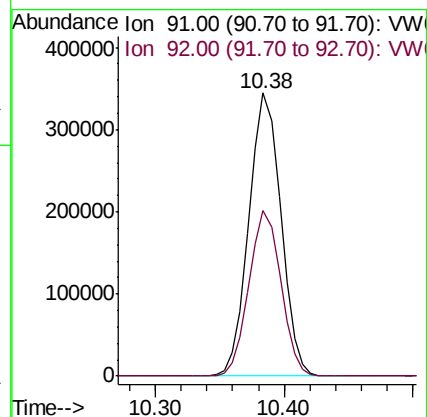
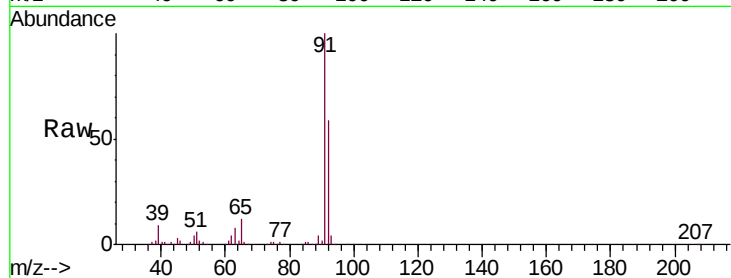
VSTD02517

Tgt Ion: 91 Resp: 593616

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 24.880 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014091.D

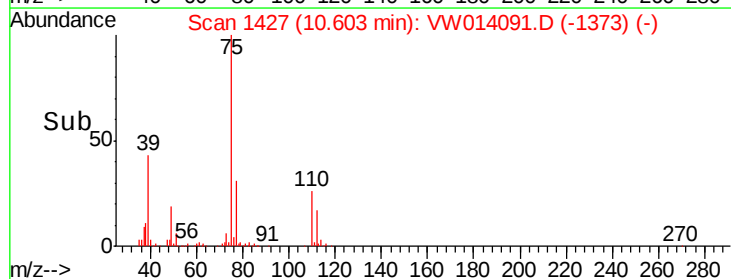
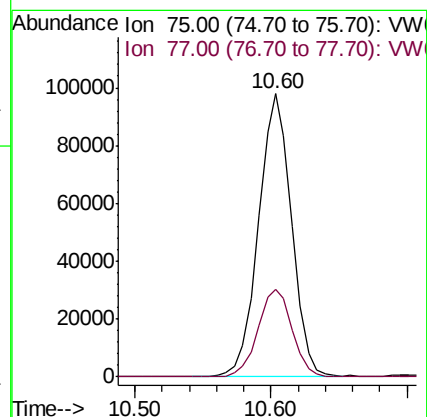
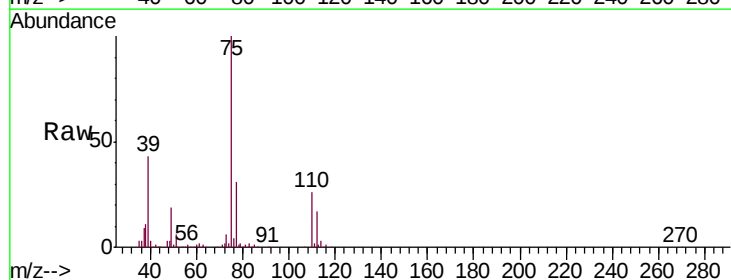
Acq: 22 Nov 2019 11:18

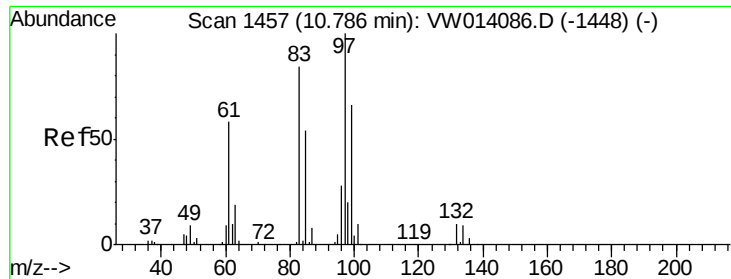
Tgt Ion: 75 Resp: 166325

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.567 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02517

Tgt Ion: 97 Resp: 96699

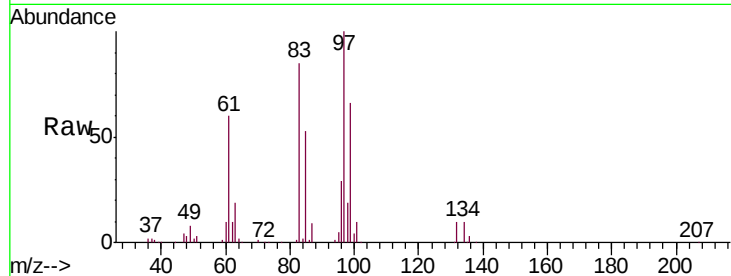
Ion Ratio Lower Upper

97 100

83 84.5 58.9 109.5

85 53.4 38.1 70.9

99 66.4 46.5 86.3



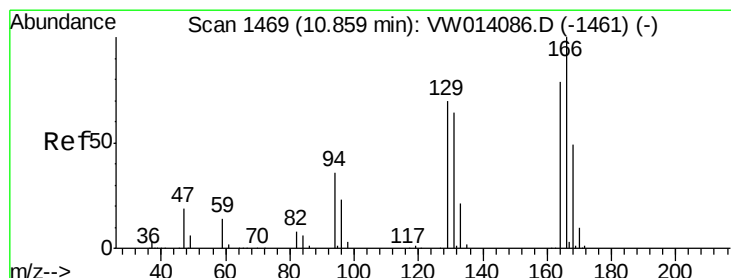
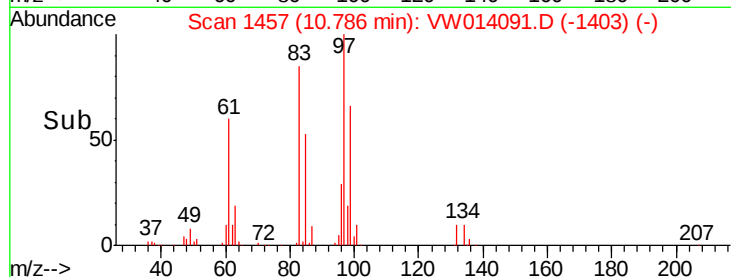
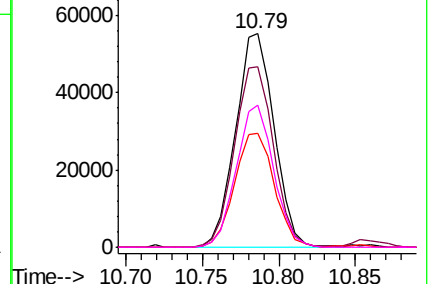
Abundance

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: 24.111 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Tgt Ion: 164 Resp: 127569

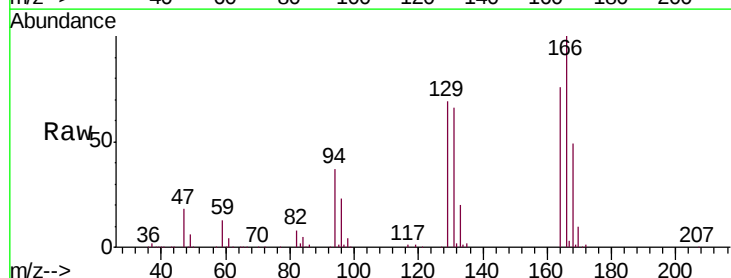
Ion Ratio Lower Upper

164 100

129 90.7 60.6 112.6

131 86.6 59.1 109.7

166 131.3 90.8 168.6



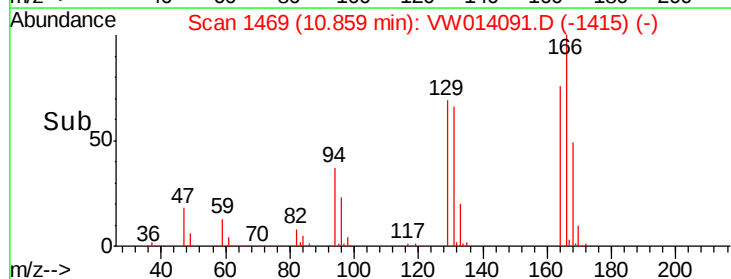
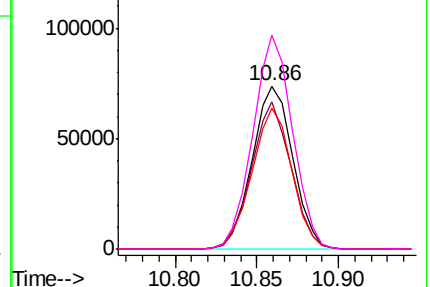
Abundance

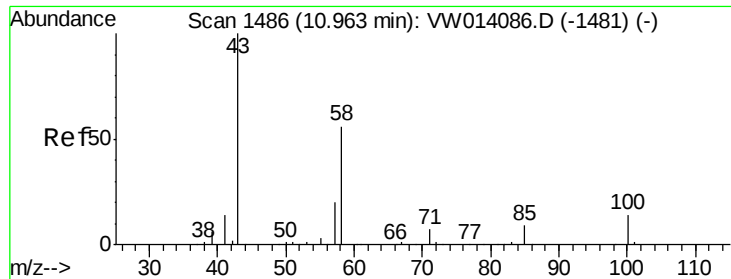
Ion 164.00 (163.70 to 164.70): V

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

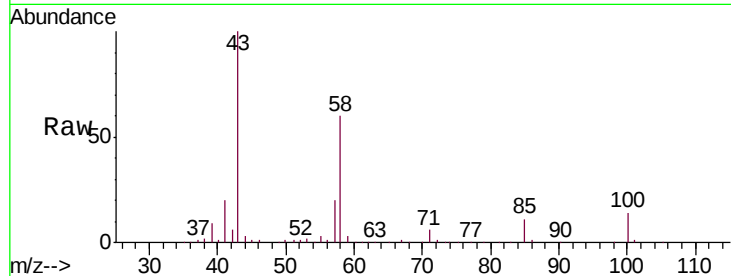




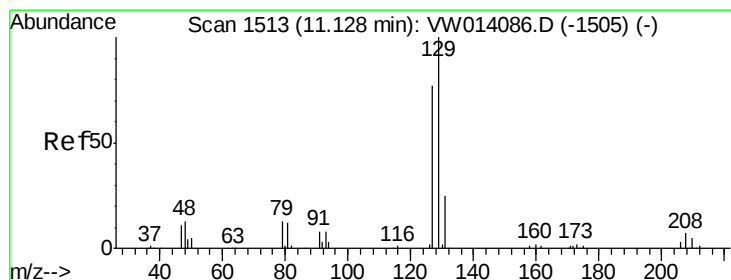
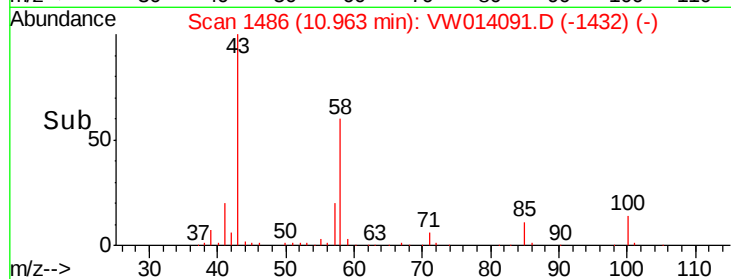
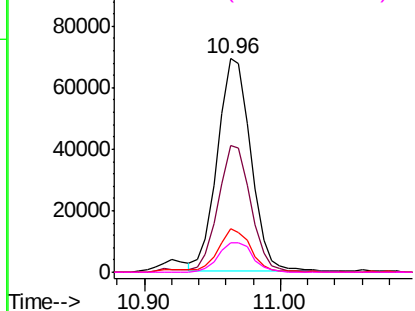
#49
2-Hexanone
Concen: 46.394 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tgt Ion: 43 Resp: 118302
Ion Ratio Lower Upper
43 100
58 58.3 44.4 66.6
57 19.7 16.5 24.7
100 14.2 11.1 16.7

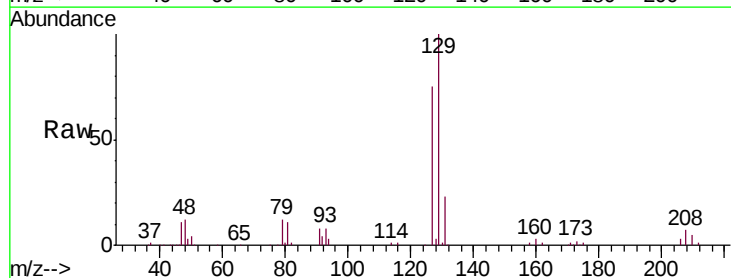


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

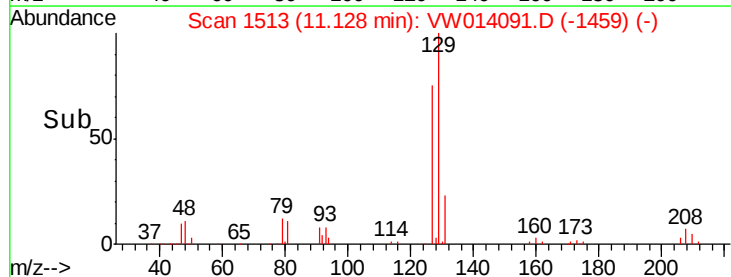
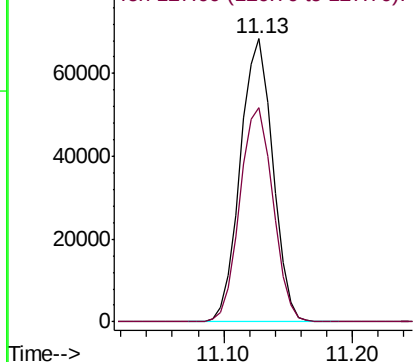


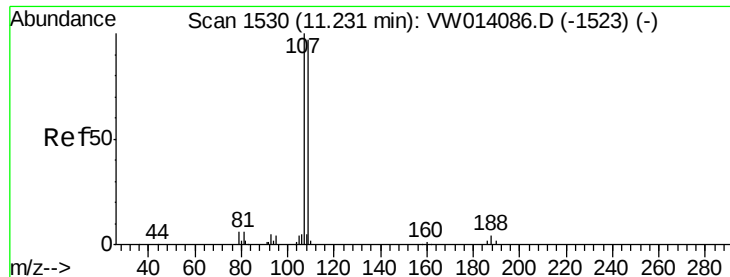
#50
Dibromochloromethane
Concen: 25.853 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion: 129 Resp: 119607
Ion Ratio Lower Upper
129 100
127 75.5 54.9 102.1



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

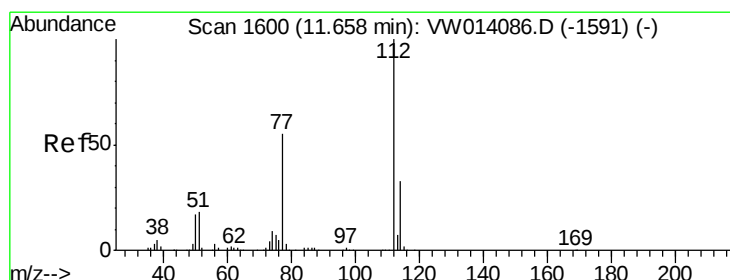
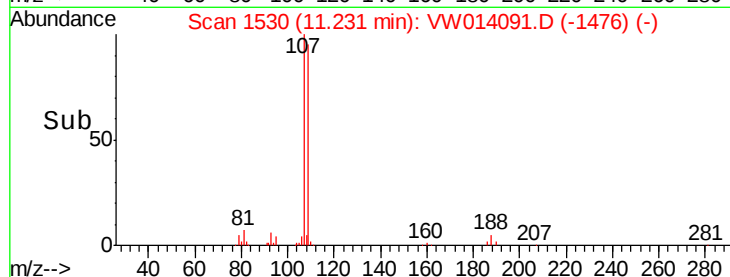
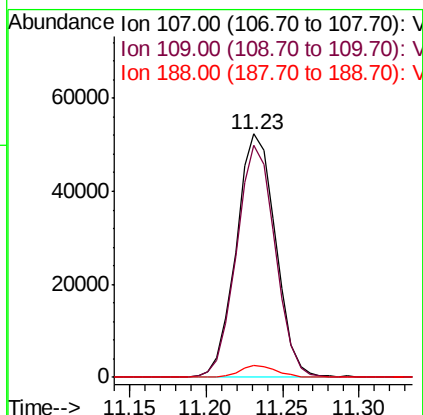
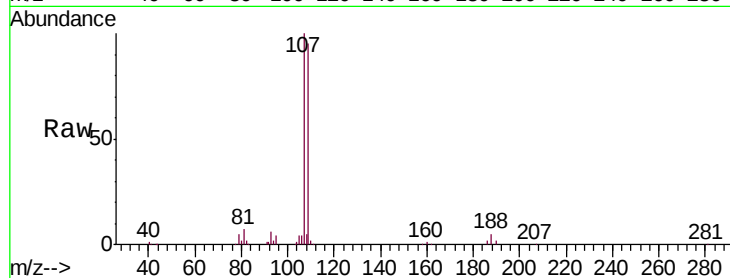




#51
1,2-Dibromoethane
Concen: 24.512 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

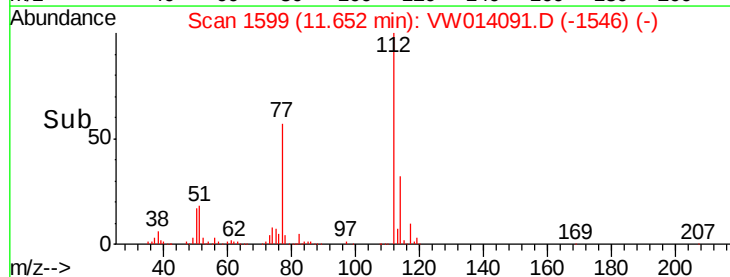
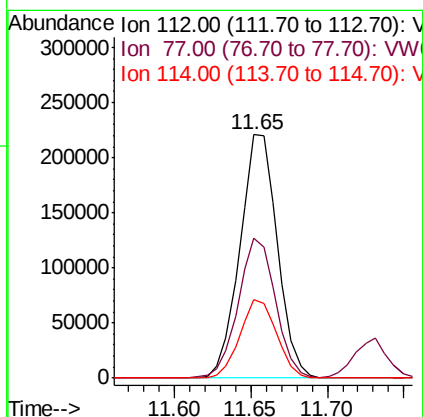
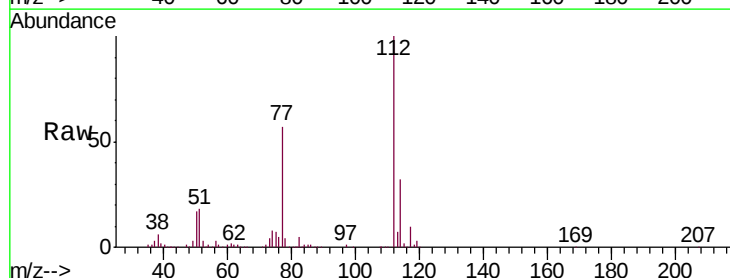
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

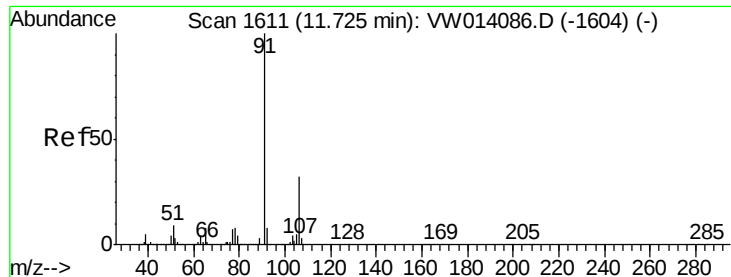
Tgt Ion:107 Resp: 93608
Ion Ratio Lower Upper
107 100
109 95.1 64.6 120.0
188 5.0 3.9 5.9



#52
Chlorobenzene
Concen: 24.672 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion:112 Resp: 375258
Ion Ratio Lower Upper
112 100
77 57.2 42.2 63.4
114 32.1 22.5 41.9





#53

Ethylbenzene

Concen: 24.621 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

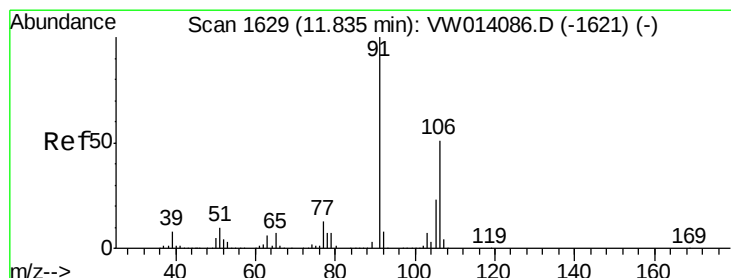
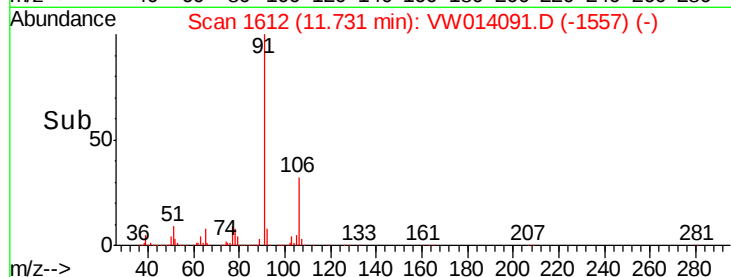
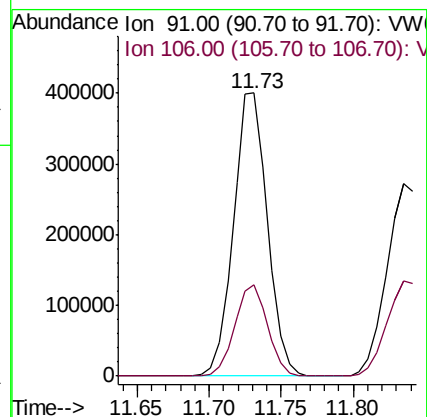
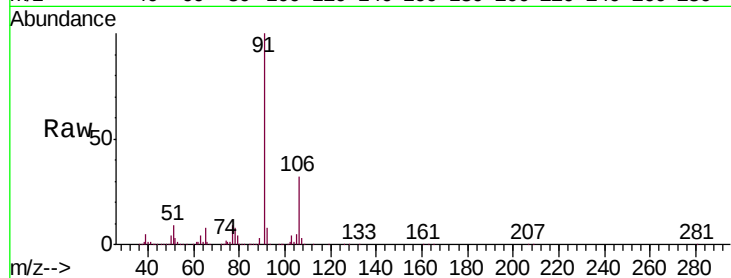
VSTD02517

Tgt Ion: 91 Resp: 655505

Ion Ratio Lower Upper

91 100

106 32.3 22.3 41.5



#54

m,p-Xylene

Concen: 24.493 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014091.D

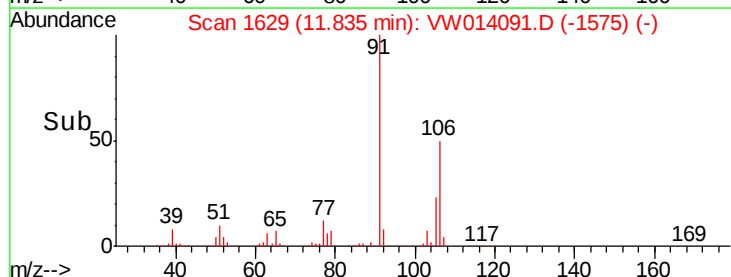
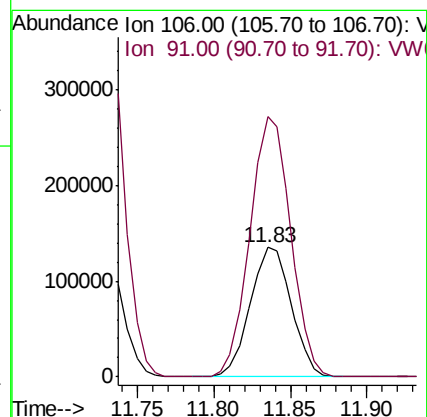
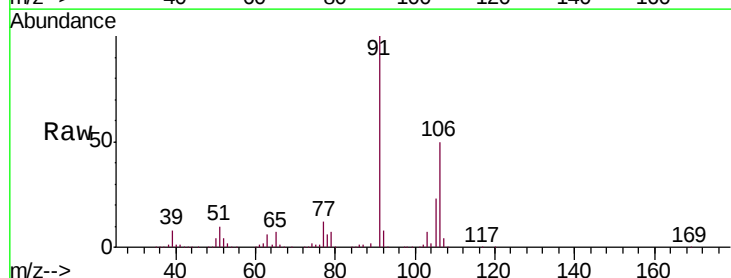
Acq: 22 Nov 2019 11:18

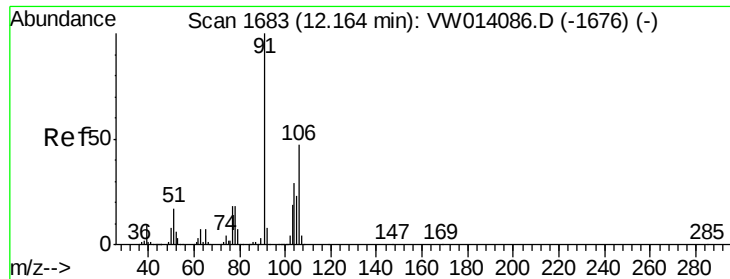
Tgt Ion: 106 Resp: 253425

Ion Ratio Lower Upper

106 100

91 201.0 138.7 257.5

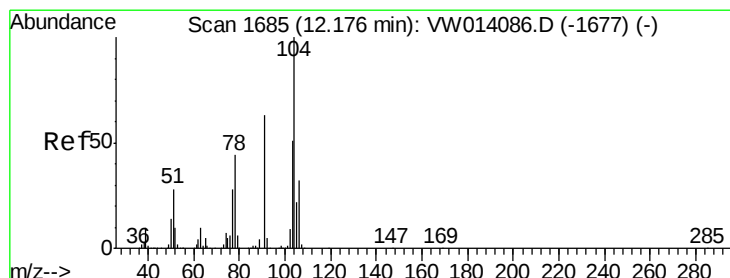
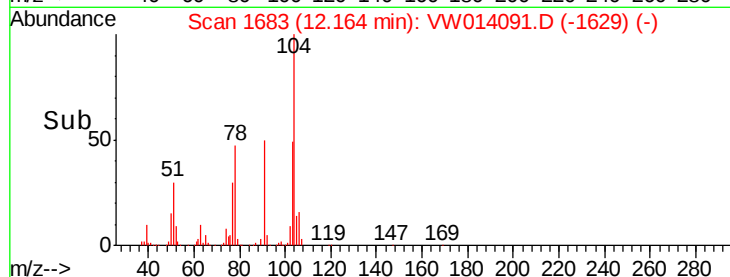
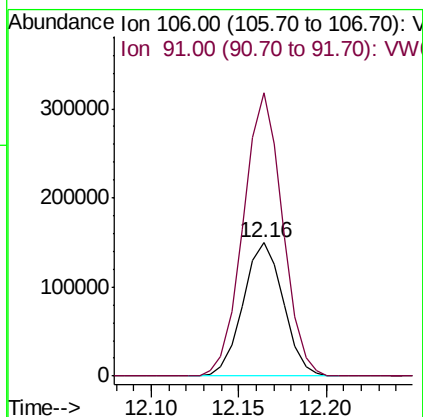
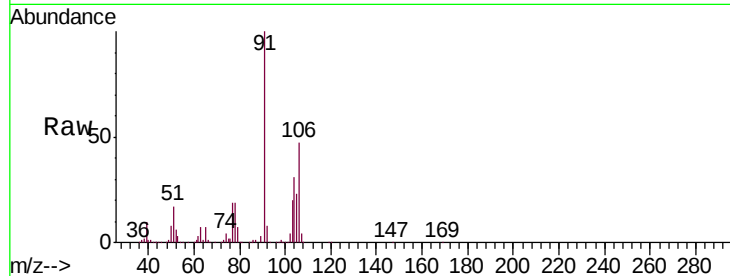




#55
o-xylene
Concen: 24.880 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

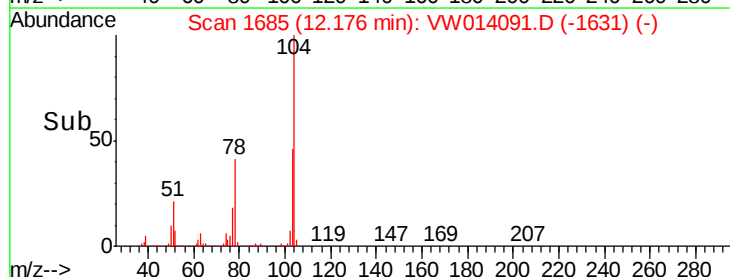
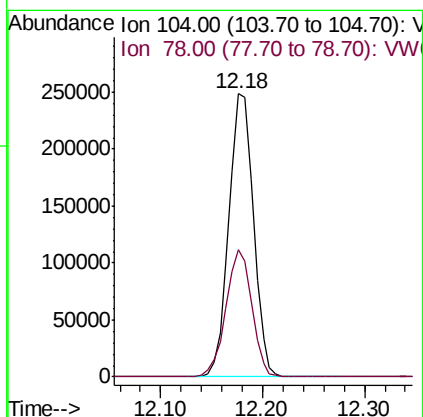
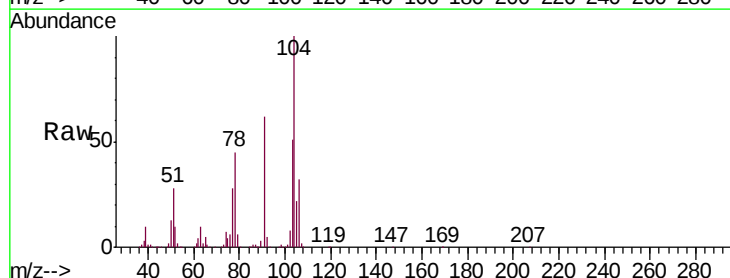
Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

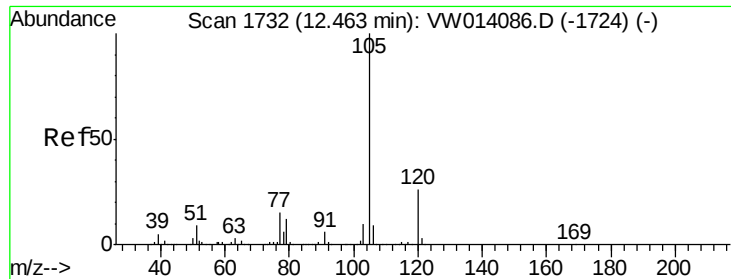
Tgt Ion:106 Resp: 241062
Ion Ratio Lower Upper
106 100
91 212.0 148.3 275.5



#56
Styrene
Concen: 25.371 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion:104 Resp: 415257
Ion Ratio Lower Upper
104 100
78 44.9 30.6 56.8





#57

Isopropylbenzene

Concen: 24.989 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampled :

VSTD02517

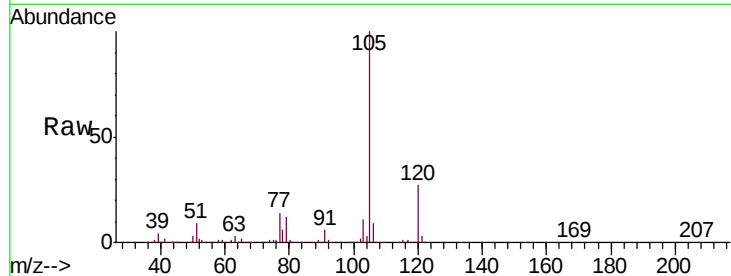
Tgt Ion: 105 Resp: 665694

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

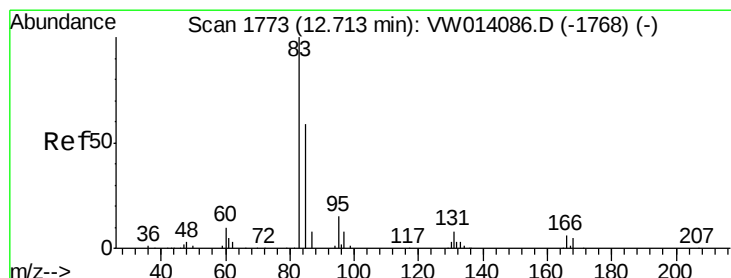
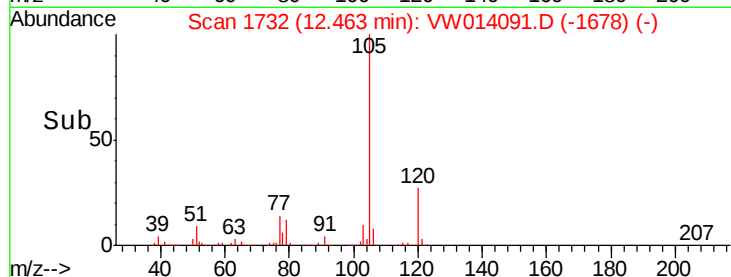
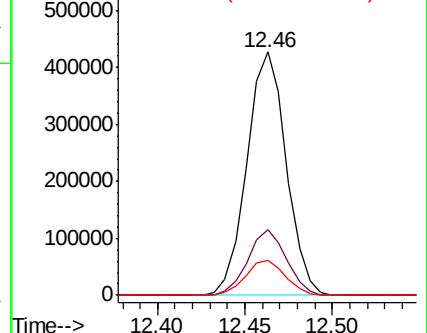
77 14.6 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.079 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

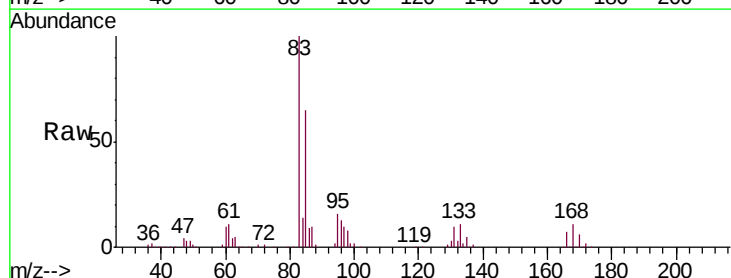
Tgt Ion: 83 Resp: 115244

Ion Ratio Lower Upper

83 100

85 65.2 43.7 81.1

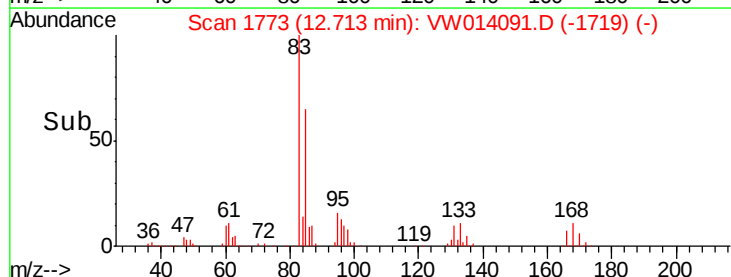
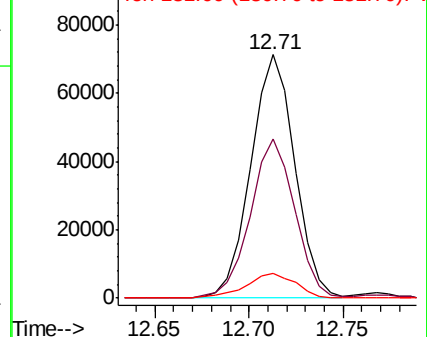
131 10.4 8.2 12.2

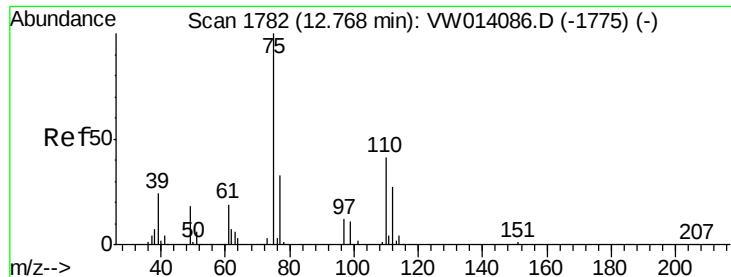


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.476 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

Instrument :

MSVOA_W

ClientSampleId :

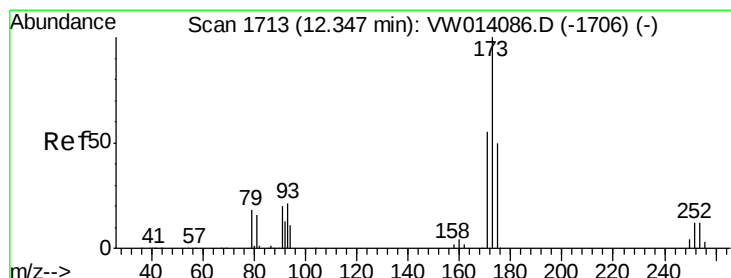
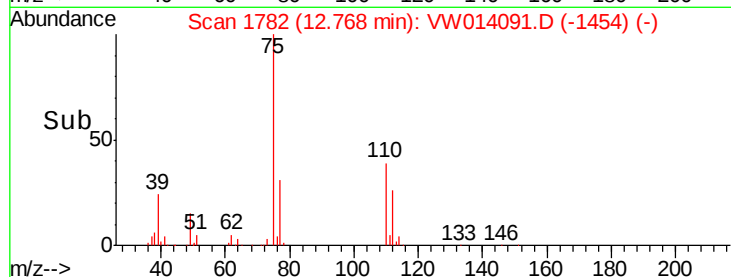
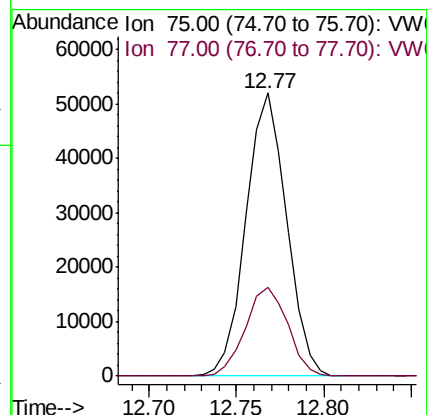
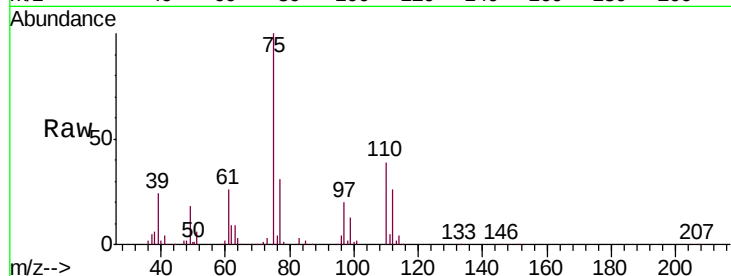
VSTD02517

Tgt Ion: 75 Resp: 84593

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 23.812 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014091.D

Acq: 22 Nov 2019 11:18

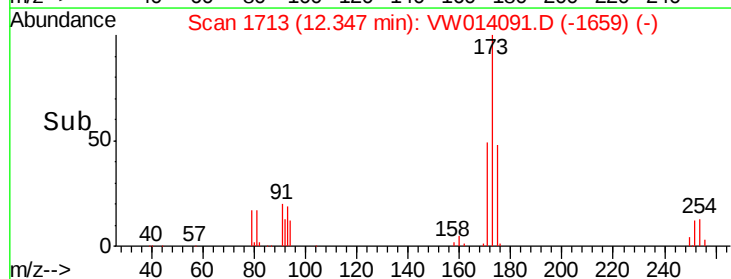
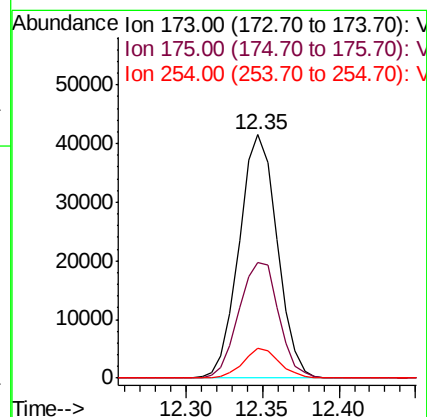
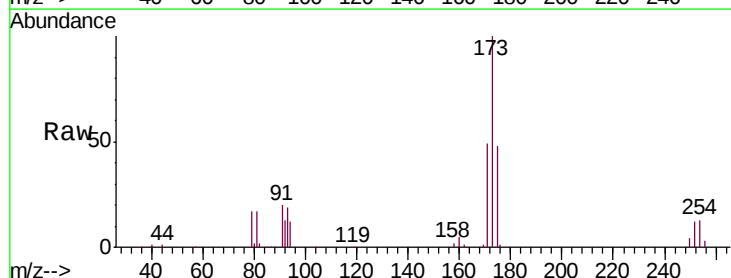
Tgt Ion: 173 Resp: 71653

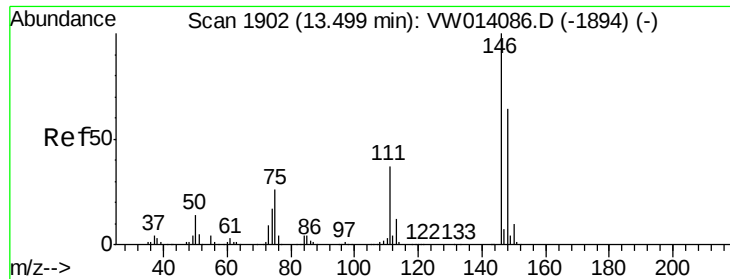
Ion Ratio Lower Upper

173 100

175 49.9 38.8 58.2

254 11.8 9.4 14.0

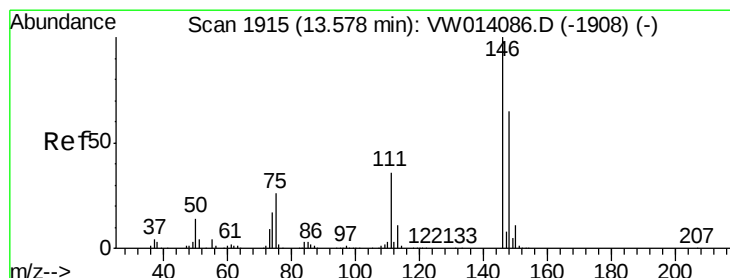
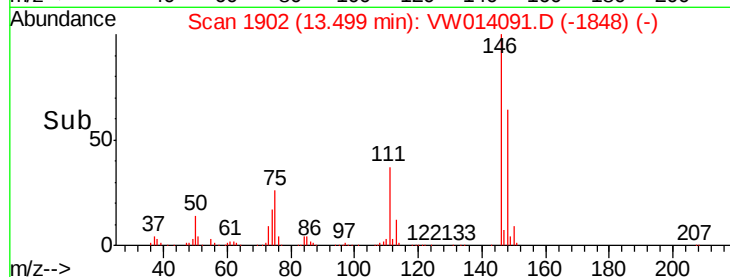
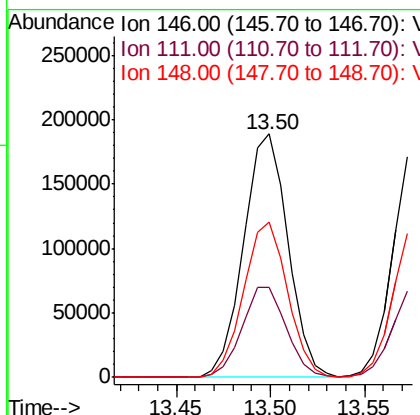
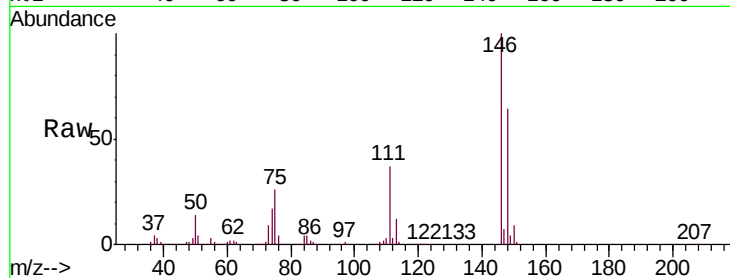




#63
 1,3-Dichlorobenzene
 Concen: 23.872 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

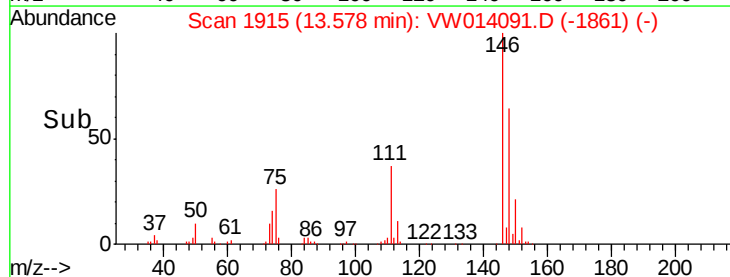
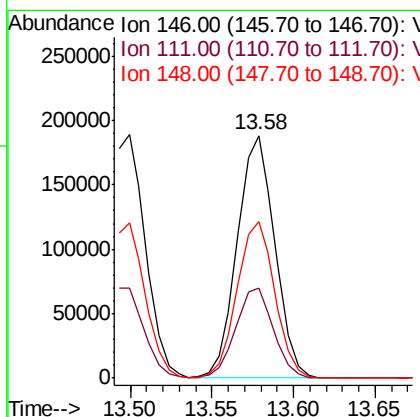
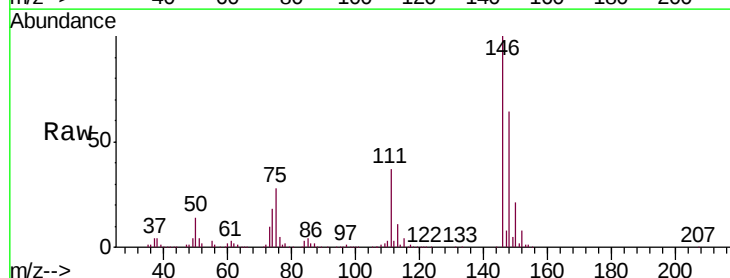
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

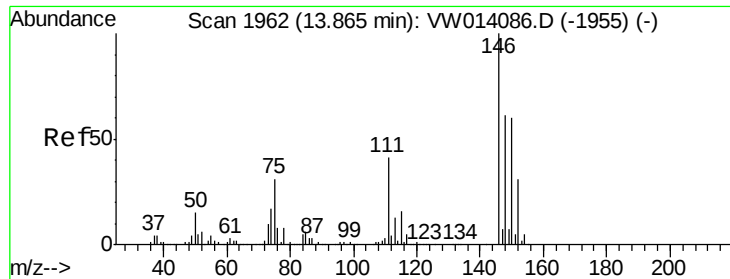
Tgt Ion:146 Resp: 307774
 Ion Ratio Lower Upper
 146 100
 111 36.9 26.0 48.2
 148 63.9 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.651 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Tgt Ion:146 Resp: 301270
 Ion Ratio Lower Upper
 146 100
 111 37.1 24.9 46.3
 148 64.3 43.9 81.5

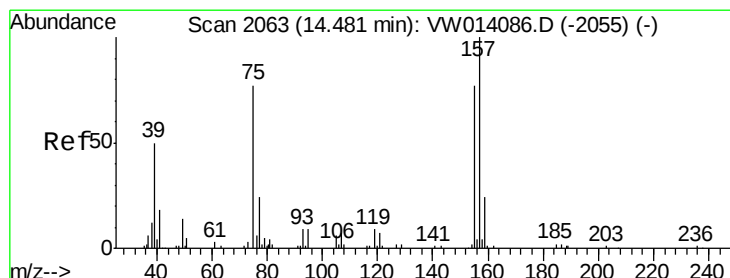
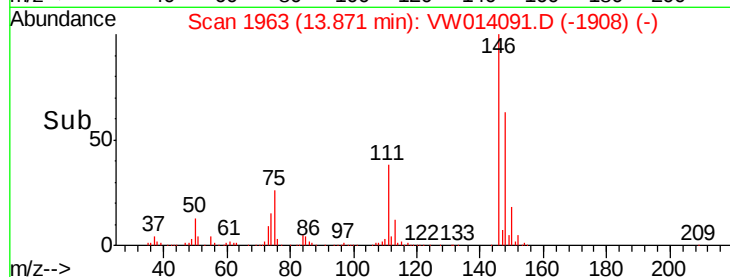
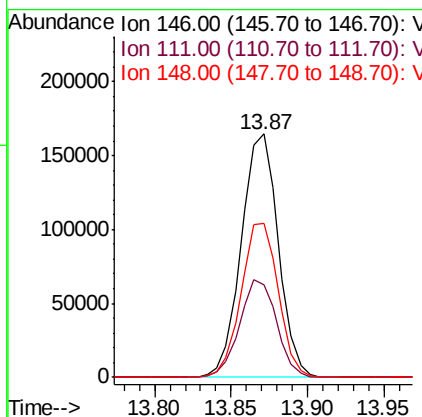
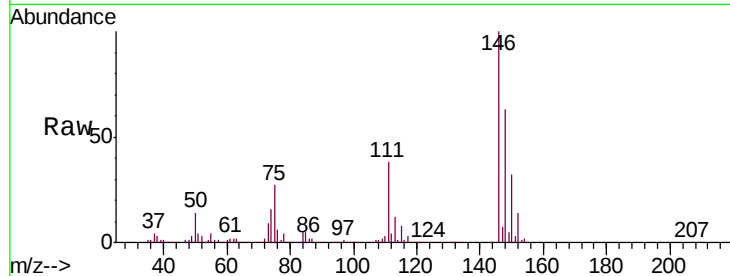




#65
 1,2-Dichlorobenzene
 Concen: 24.180 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

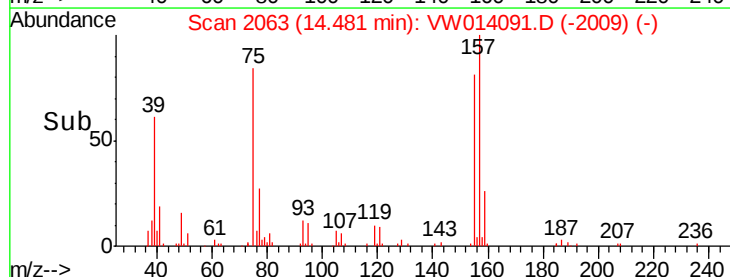
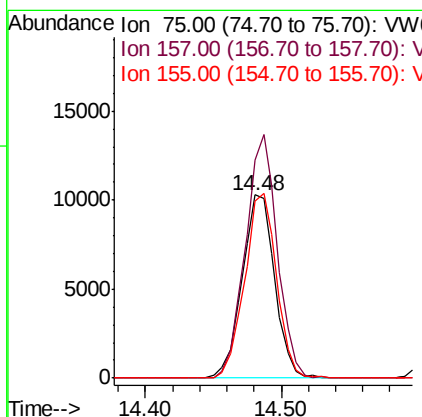
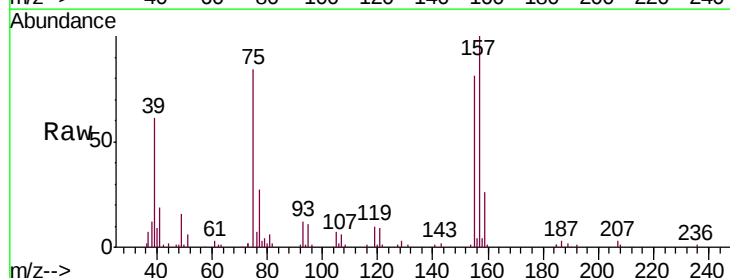
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

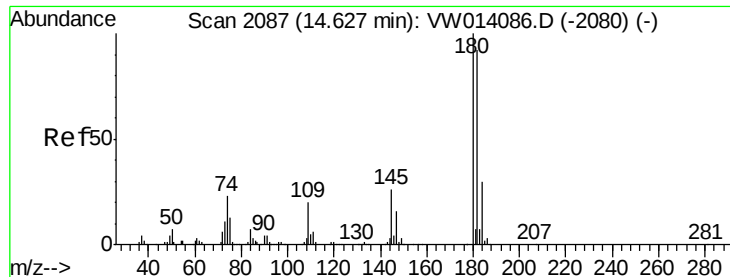
Tgt Ion:146 Resp: 276052
 Ion Ratio Lower Upper
 146 100
 111 38.2 30.5 45.7
 148 63.3 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.122 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Tgt Ion: 75 Resp: 17200
 Ion Ratio Lower Upper
 75 100
 157 119.4 96.9 145.3
 155 96.8 82.9 124.3

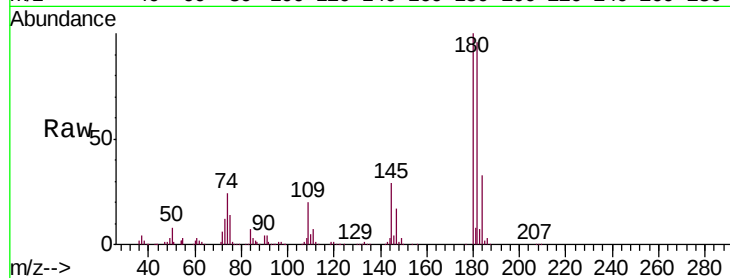




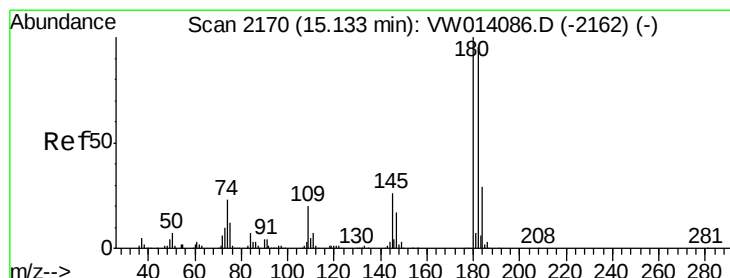
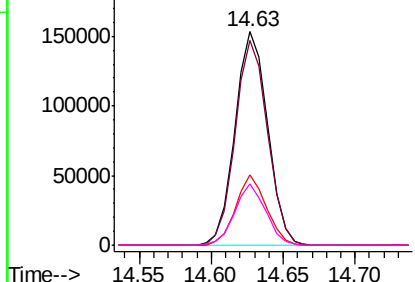
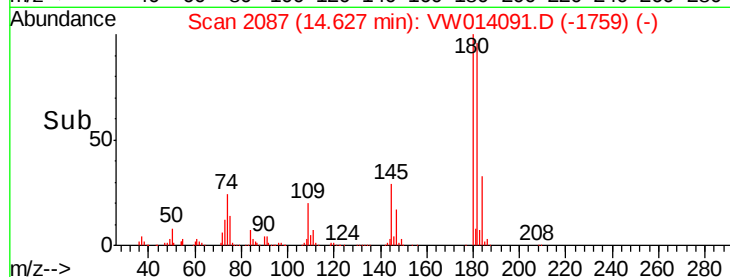
#67
 1,3,5-Trichlorobenzene
 Concen: 24.547 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Tgt Ion:	180	Resp:	241184
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
184	31.0	24.3	36.5
145	27.4	21.9	32.9

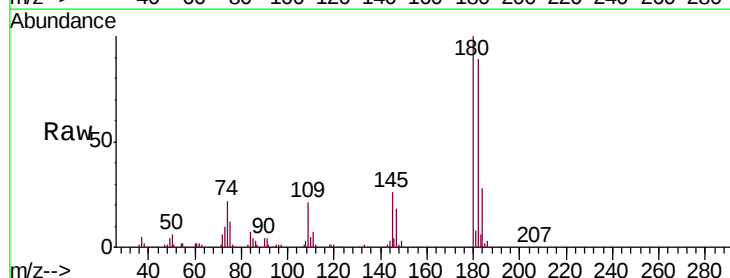


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

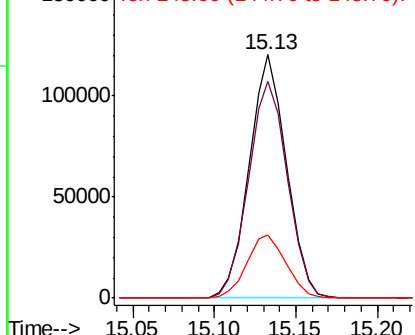
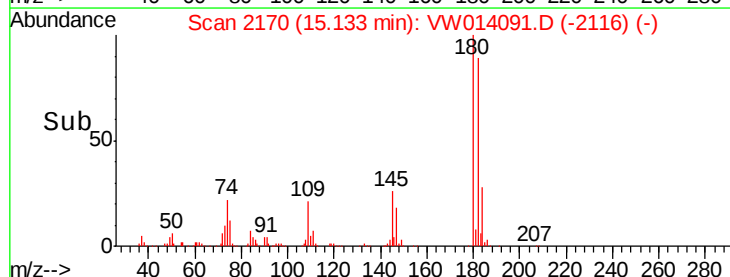


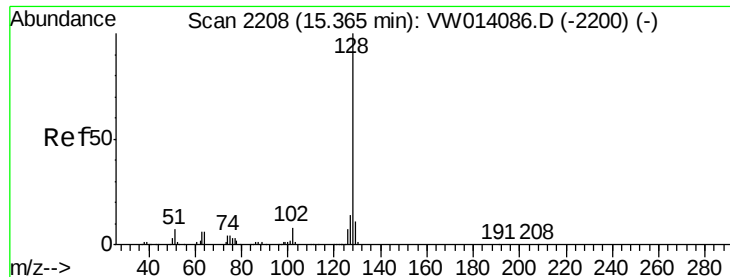
#68
 1,2,4-trichlorobenzene
 Concen: 24.734 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014091.D
 Acq: 22 Nov 2019 11:18

Tgt Ion:	180	Resp:	191087
Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.8	113.8
145	27.3	22.4	33.6



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

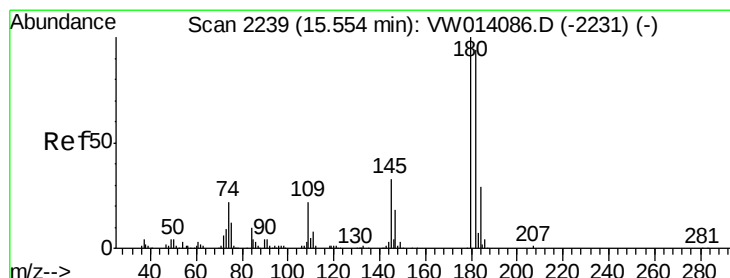
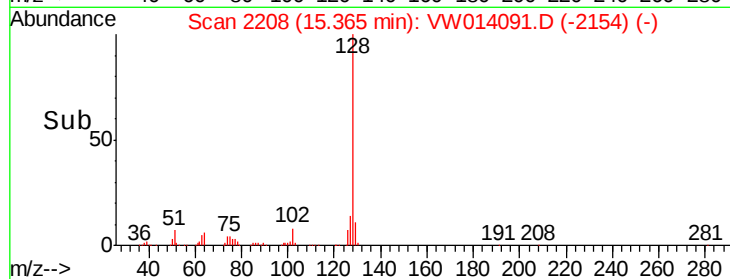
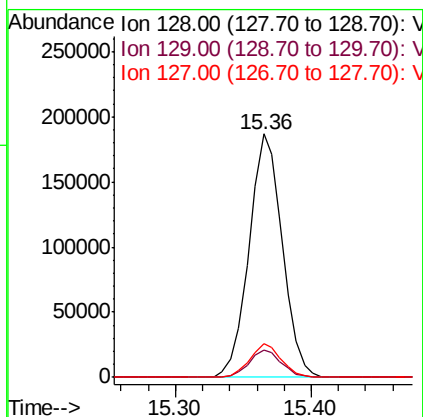
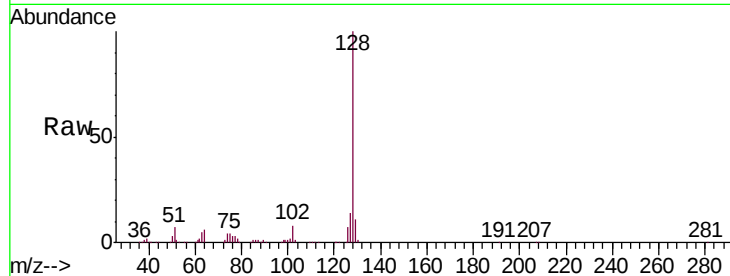




#69
Naphthalene
Concen: 23.331 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02517

Tgt Ion:128 Resp: 320220
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.2 10.4 15.6



#70
1,2,3-Trichlorobenzene
Concen: 24.655 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014091.D
Acq: 22 Nov 2019 11:18

Tgt Ion:180 Resp: 168101
Ion Ratio Lower Upper
180 100
182 94.5 75.8 113.6
145 29.5 24.0 36.0

