

Data File : VW014804.D
Acq On : 29 Jan 2020 19:20
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

Quant Time: Jan 30 07:09:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 30 07:05:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	906942	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	825291	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	393483	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	379154	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.56%
7) Chloroethane-d5	2.89	69	340689	27.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.64%
10) 1,1-Dichloroethene-d2	4.02	63	602229	23.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.68%
20) 2-Butanone-d5	7.07	46	193788	47.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.02%
24) Chloroform-d	7.65	84	687220	27.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	8.30	65	359099	26.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.56%
29) Benzene-d6	8.27	84	1425573	27.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.76%
33) 1,2-Dichloropropane-d6	9.27	67	445460	27.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.36%
37) Toluene-d8	10.32	98	1268308	27.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.64%
38) trans-1,3-Dichloropropene-	10.57	79	164566	25.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.32%
39) 2-Hexanone-d5	10.92	63	152074	50.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.38%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	311695	24.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	400849	25.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	234365	21.014 ug/L	94
3) Chloromethane	2.21	50	295397	22.704 ug/L	98
5) Vinyl chloride	2.36	62	443611	24.235 ug/L	98
6) Bromomethane	2.78	94	227155	23.739 ug/L	100
8) Chloroethane	2.92	64	241555	24.358 ug/L	97
9) Trichlorofluoromethane	3.26	101	219854	25.013 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	273548	21.788 ug/L	100
12) 1,1-Dichloroethene	4.04	96	266798	21.549 ug/L	98
13) Acetone	4.12	43	137621	31.502 ug/L	99
14) Carbon disulfide	4.39	76	897031	22.133 ug/L	100
15) Methyl Acetate	4.67	43	129959	19.934 ug/L	97
16) Methylene chloride	4.92	84	333031	21.729 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	397453	24.286 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	307622	24.048 ug/L	98
19) 1,1-Dichloroethane	6.21	63	582878	24.298 ug/L	97
21) 2-Butanone	7.17	43	194519	39.768 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	320415	23.925 ug/L	99

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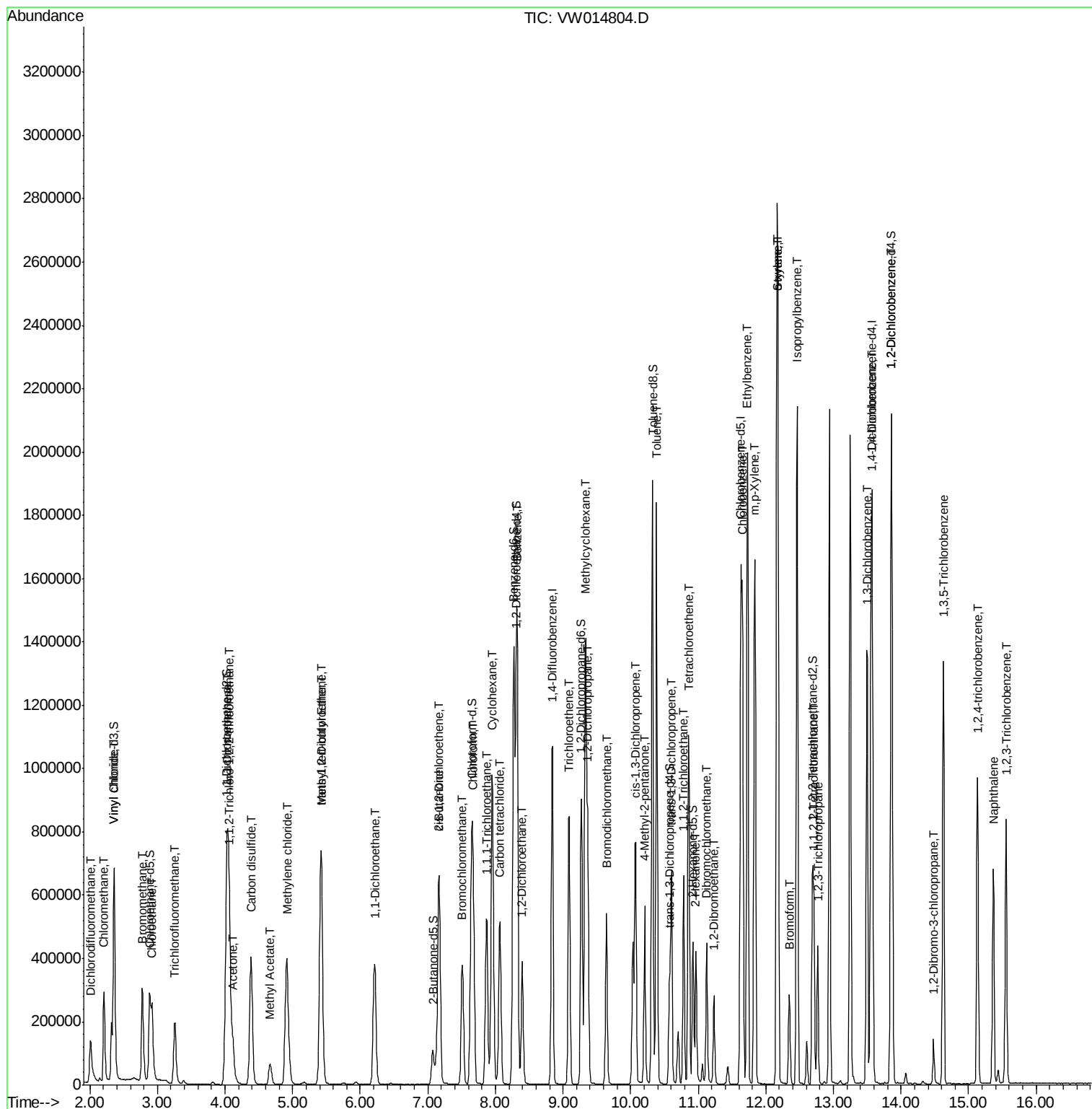
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	131793	22.520	ug/L	96
25) Chloroform	7.67	83	547752	24.473	ug/L	100
27) 1,2-Dichloroethane	8.40	62	349194	23.612	ug/L	99
30) Cyclohexane	7.95	56	552463	24.514	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	431348	23.936	ug/L	99
32) Carbon tetrachloride	8.07	117	395298	23.407	ug/L	100
34) Benzene	8.32	78	1277837	24.176	ug/L	100
35) Trichloroethene	9.09	95	313449	23.344	ug/L	100
36) Methylcyclohexane	9.34	83	562514	24.080	ug/L	100
40) 1,2-Dichloropropane	9.37	63	321950	24.027	ug/L	100
41) Bromodichloromethane	9.64	83	363496	22.699	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	466913	23.858	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	376610	42.745	ug/L	99
44) Toluene	10.38	91	1312010	24.429	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	369290	23.244	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	206277	22.552	ug/L	99
47) Tetrachloroethene	10.86	164	257353	23.987	ug/L	98
49) 2-Hexanone	10.96	43	270955	42.775	ug/L	100
50) Dibromochloromethane	11.13	129	235956	22.609	ug/L	99
51) 1,2-Dibromoethane	11.23	107	192520	21.881	ug/L	97
52) Chlorobenzene	11.65	112	781300	23.297	ug/L	100
53) Ethylbenzene	11.73	91	1430515	24.373	ug/L	99
54) m,p-Xylene	11.84	106	541293	24.672	ug/L	94
55) o-xylene	12.16	106	495371	24.063	ug/L	97
56) Styrene	12.18	104	853440	24.445	ug/L	98
57) Isopropylbenzene	12.46	105	1340077	24.036	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	248870	21.117	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	180281	20.365	ug/L	100
62) Bromoform	12.35	173	130390	21.110	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	590241	23.234	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	587017	23.057	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	529618	22.921	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	36992	19.519	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	426057	22.643	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	323364	23.157	ug/L	98
69) Naphthalene	15.36	128	567963	22.489	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	290971	22.727	ug/L	98

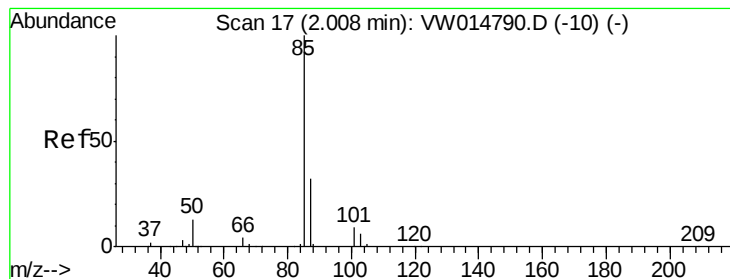
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.014 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

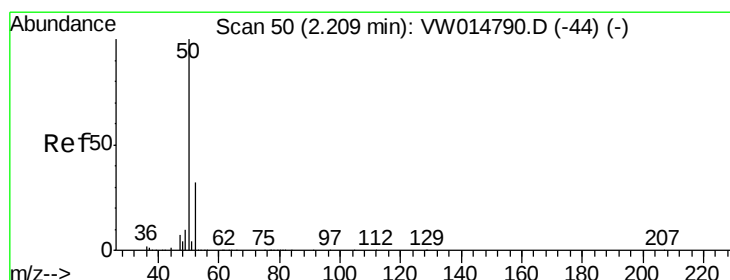
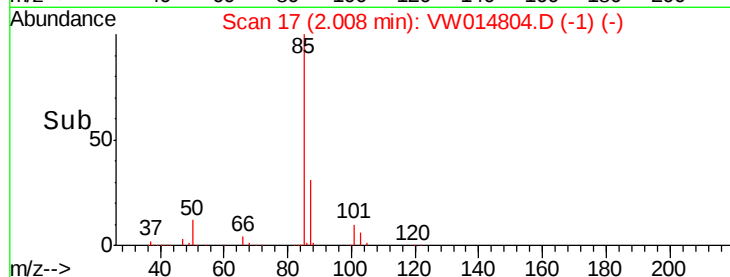
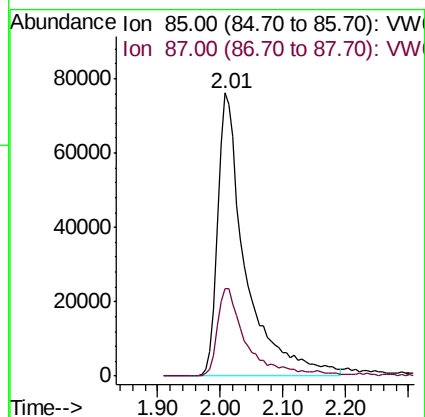
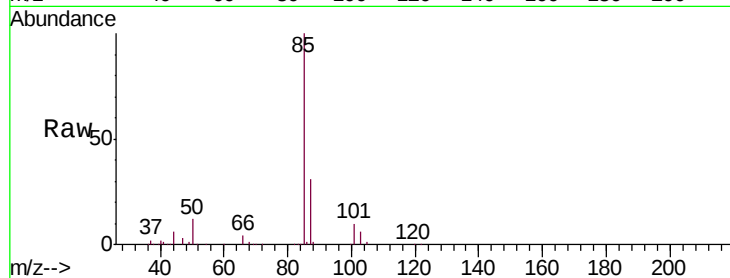
VSTD02529

Tgt Ion: 85 Resp: 234365

Ion Ratio Lower Upper

85 100

87 28.0 22.0 40.8



#3

Chloromethane

Concen: 22.704 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014804.D

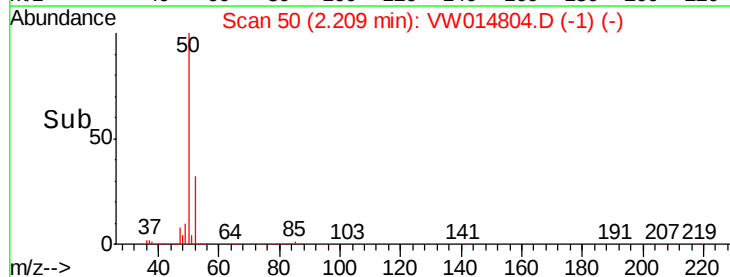
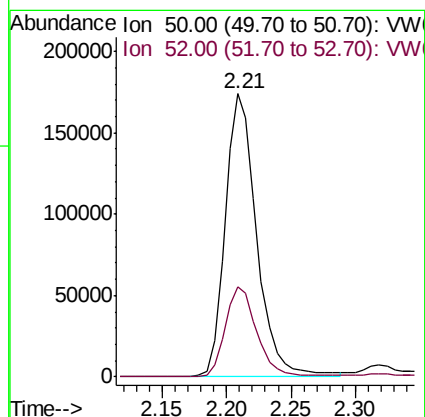
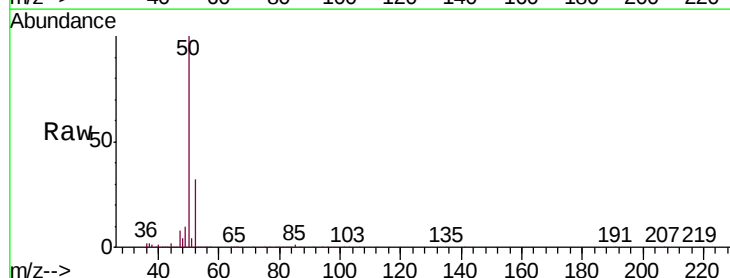
Acq: 29 Jan 2020 19:20

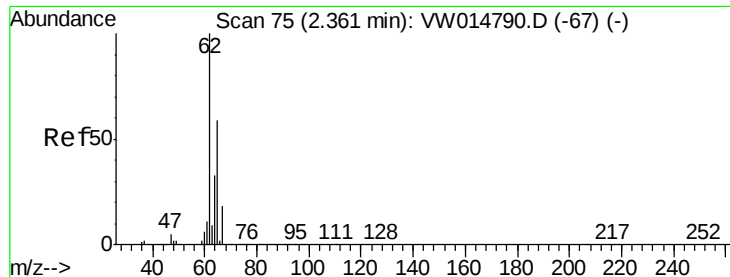
Tgt Ion: 50 Resp: 295397

Ion Ratio Lower Upper

50 100

52 31.8 22.9 42.5





#5

Vinyl chloride

Concen: 24.235 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampled :

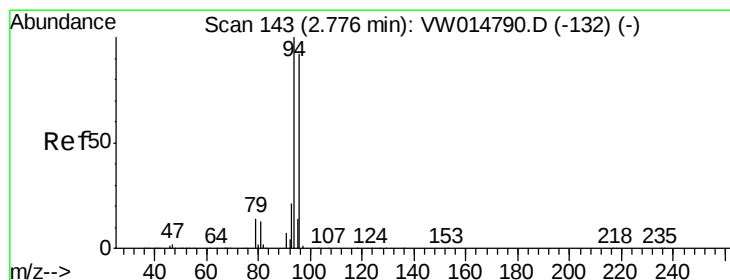
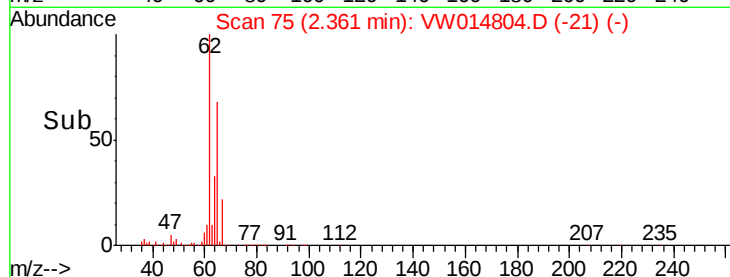
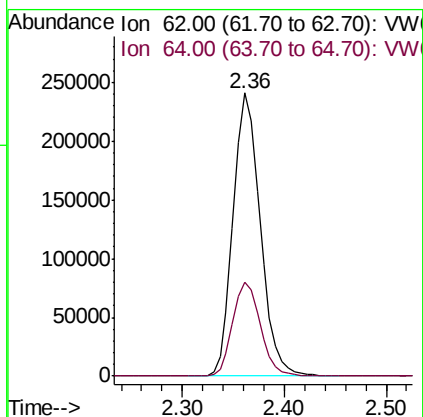
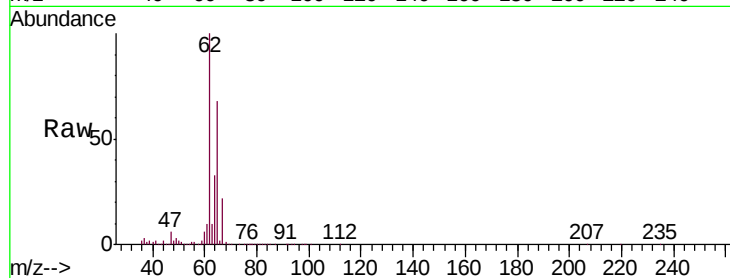
VSTD02529

Tgt Ion: 62 Resp: 443611

Ion Ratio Lower Upper

62 100

64 33.4 24.3 45.1



#6

Bromomethane

Concen: 23.739 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014804.D

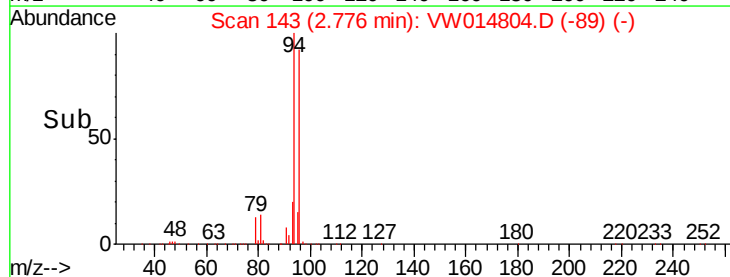
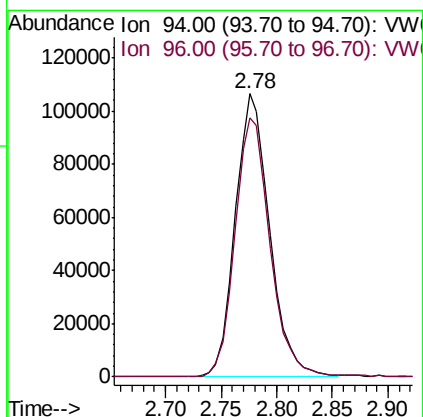
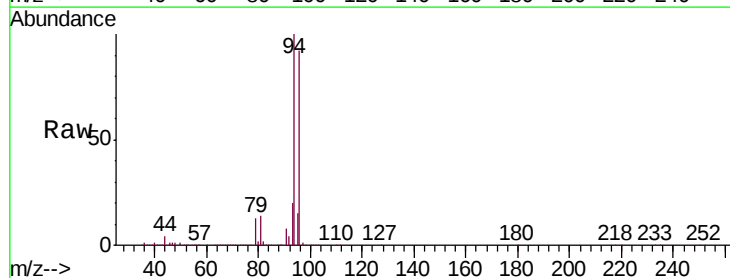
Acq: 29 Jan 2020 19:20

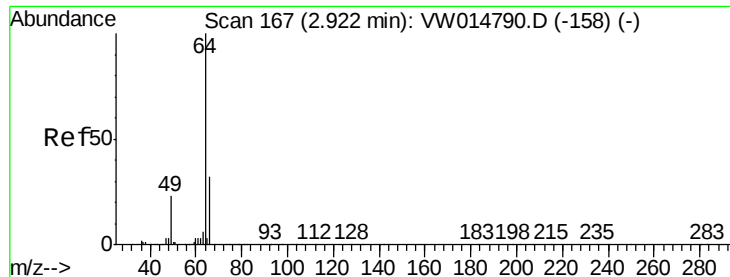
Tgt Ion: 94 Resp: 227155

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.7





#8

Chloroethane

Concen: 24.358 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

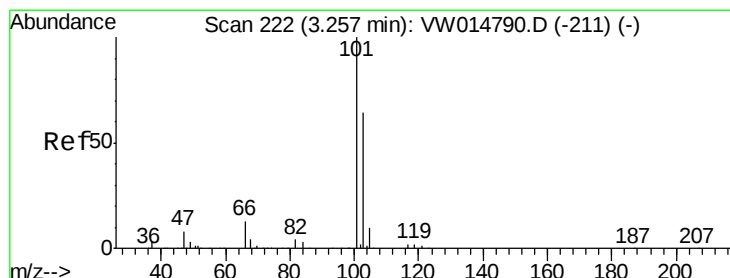
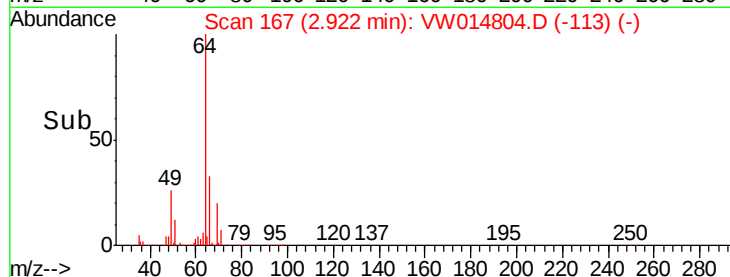
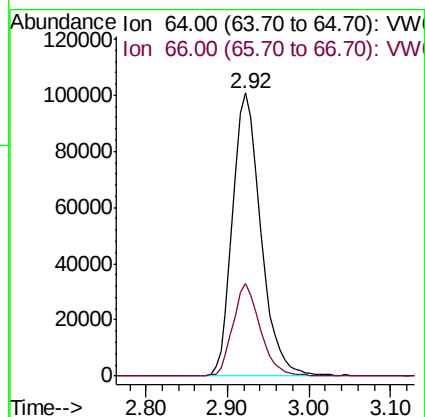
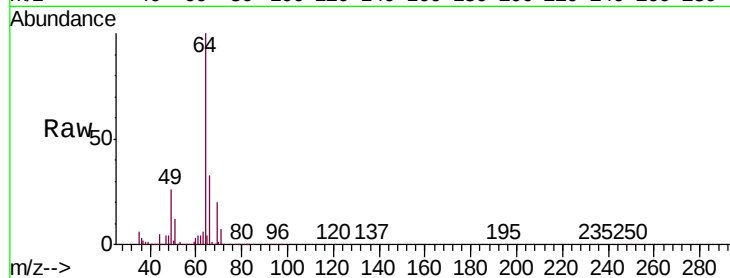
VSTD02529

Tgt Ion: 64 Resp: 241555

Ion Ratio Lower Upper

64 100

66 32.9 21.8 40.4



#9

Trichlorofluoromethane

Concen: 25.013 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014804.D

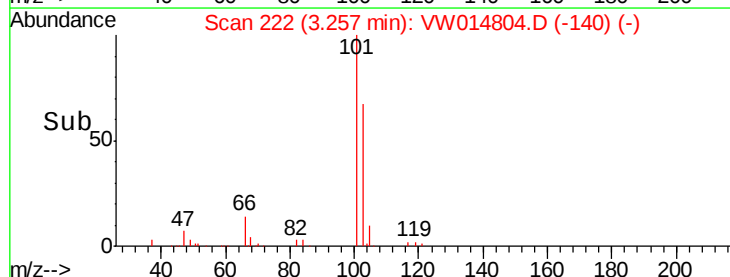
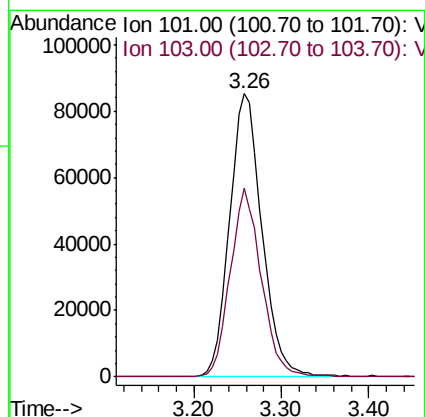
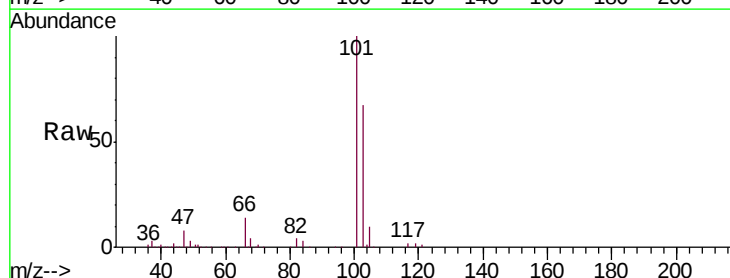
Acq: 29 Jan 2020 19:20

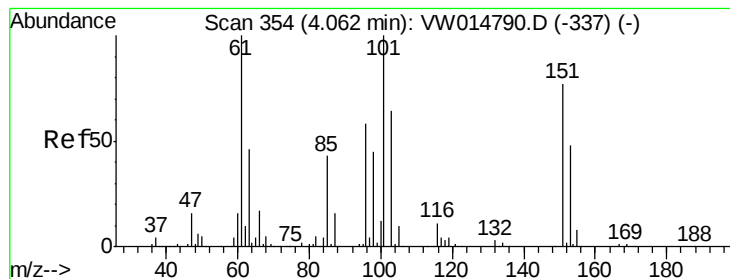
Tgt Ion: 101 Resp: 219854

Ion Ratio Lower Upper

101 100

103 63.5 45.1 83.9





#11

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

Concen: 21.788 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014804.D

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Instrument :

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ClientSampleId :

VSTD02529

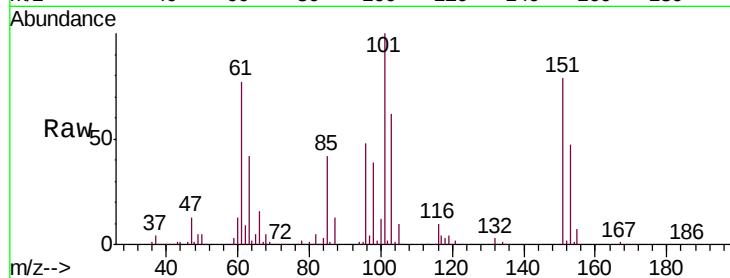
Tgt Ion: 101 Resp: 273548

Ion Ratio Lower Upper

101 100

85 42.3 33.8 50.6

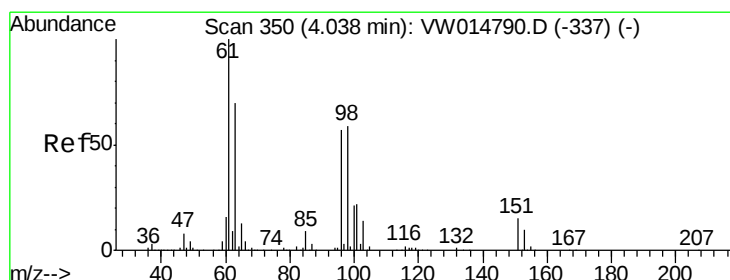
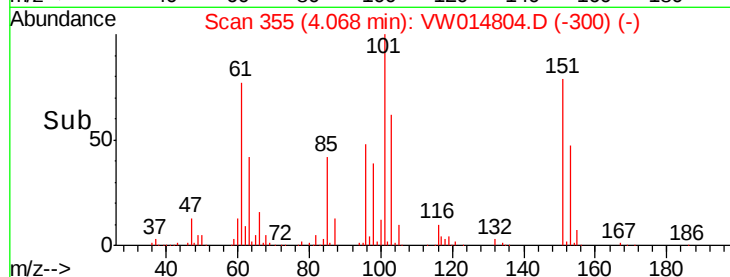
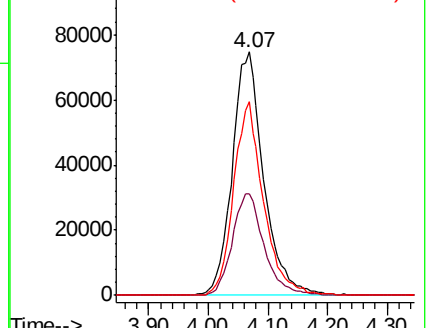
151 74.3 59.7 89.5



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: 21.549 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

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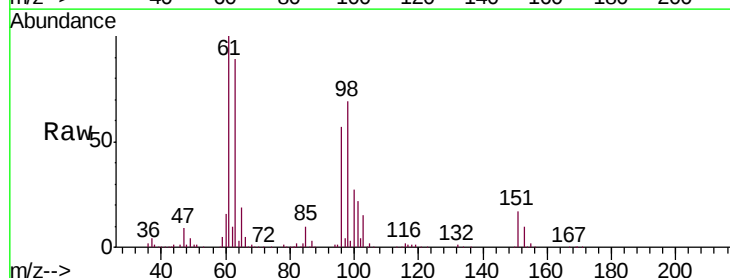
Tgt Ion: 96 Resp: 266798

Ion Ratio Lower Upper

96 100

61 175.7 124.3 230.9

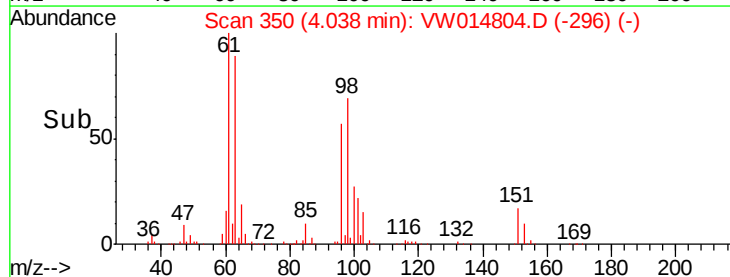
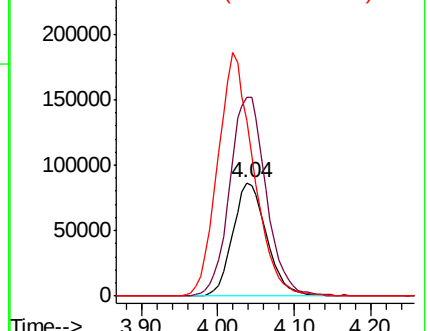
63 155.5 107.0 198.6

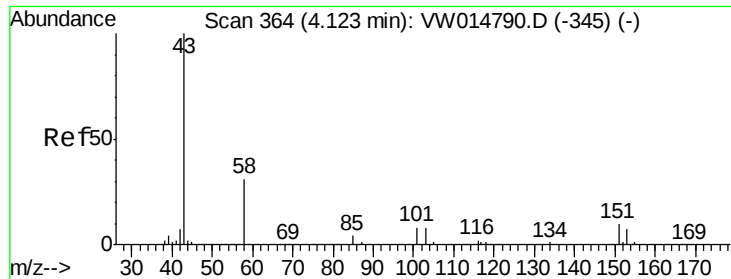


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 31.502 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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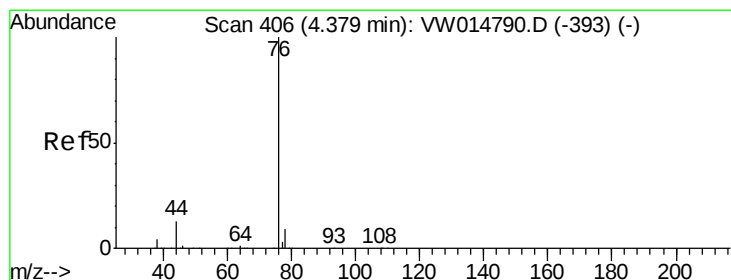
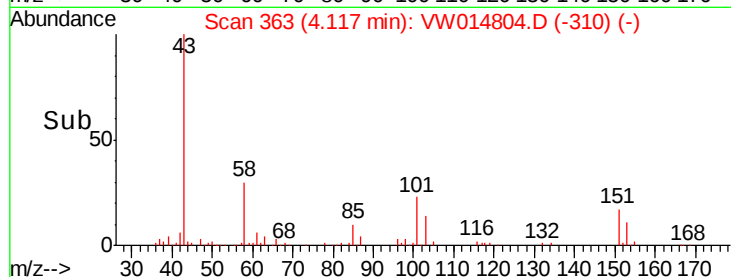
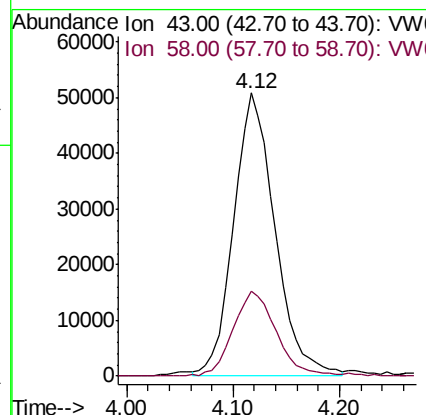
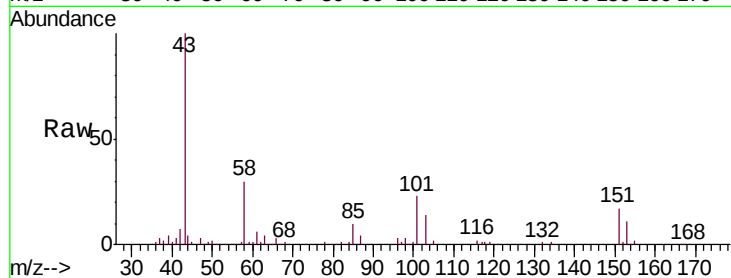
VSTD02529

Tgt Ion: 43 Resp: 137621

Ion Ratio Lower Upper

43 100

58 31.5 0.0 64.6



#14

Carbon disulfide

Concen: 22.133 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014804.D

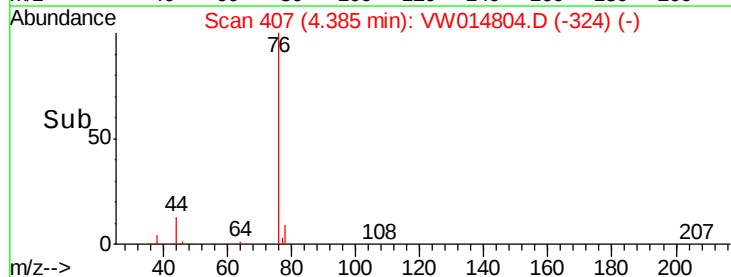
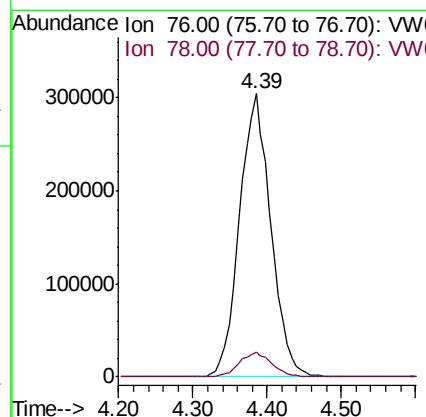
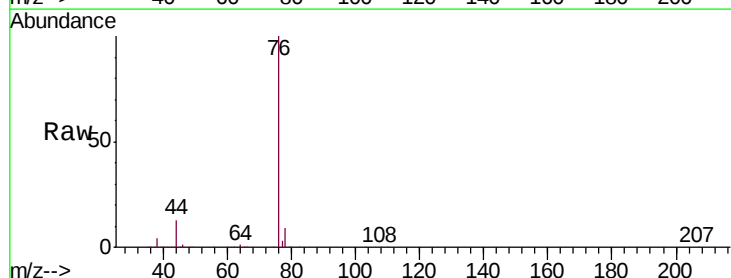
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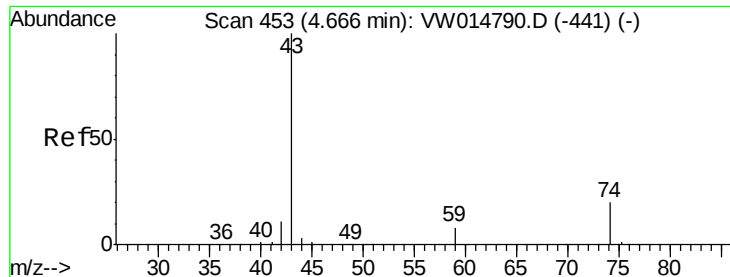
Tgt Ion: 76 Resp: 897031

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

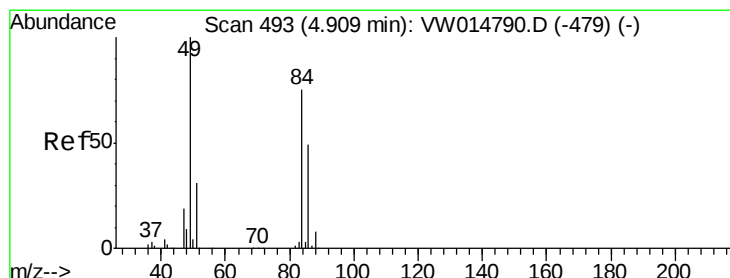
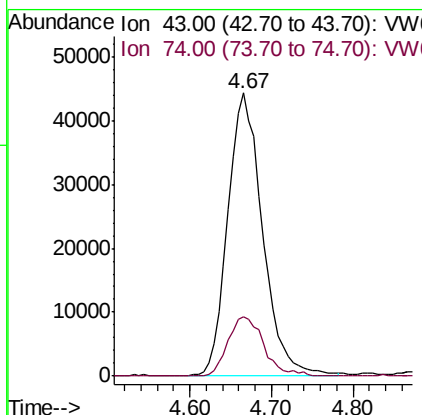
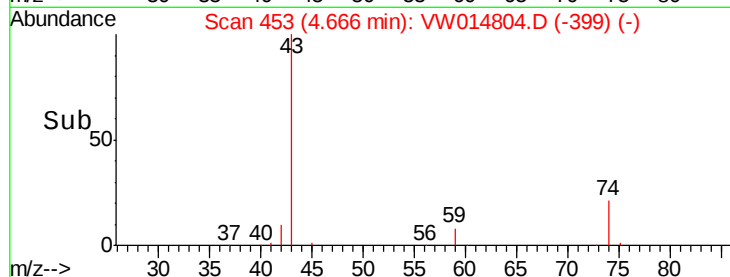
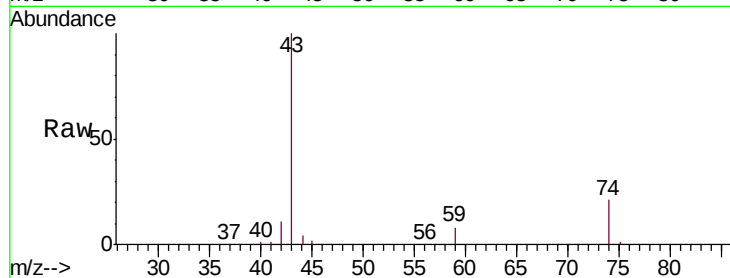




#15
Methyl Acetate
Concen: 19.934 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

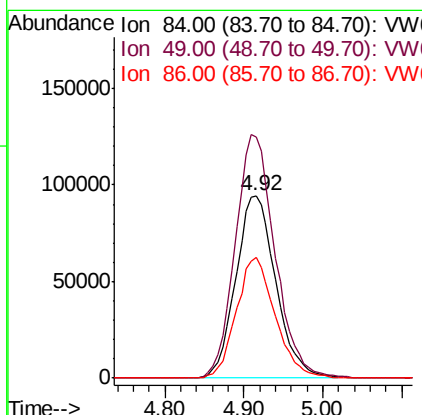
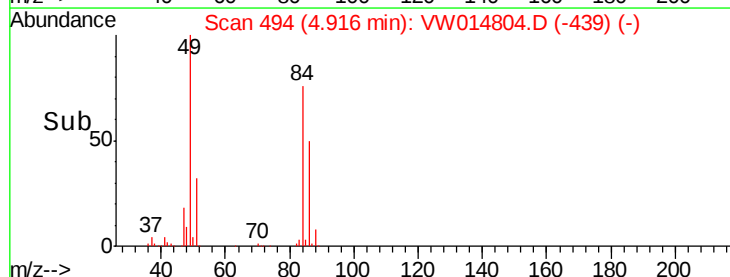
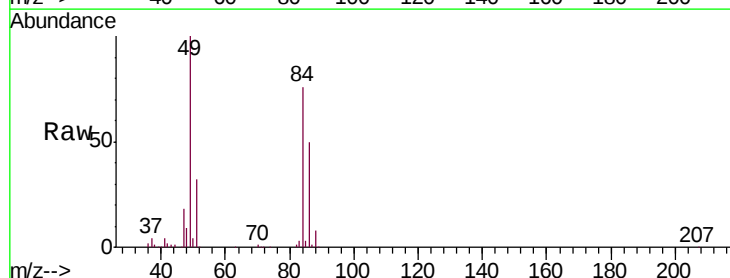
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

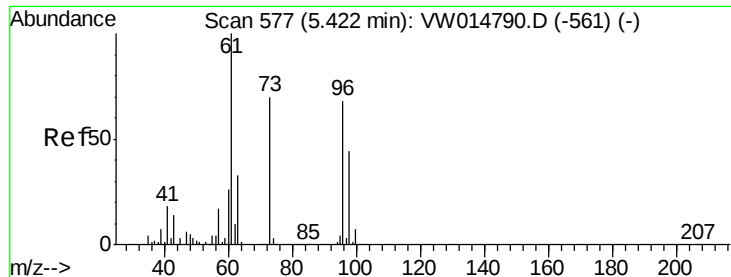
Tgt Ion: 43 Resp: 129959
Ion Ratio Lower Upper
43 100
74 21.2 18.0 27.0



#16
Methylene chloride
Concen: 21.729 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

Tgt Ion: 84 Resp: 333031
Ion Ratio Lower Upper
84 100
49 132.2 90.9 168.7
86 66.2 43.5 80.7

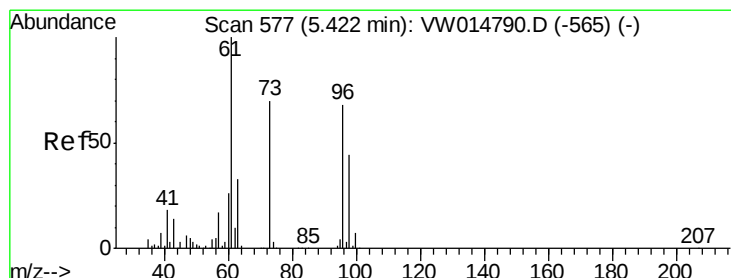
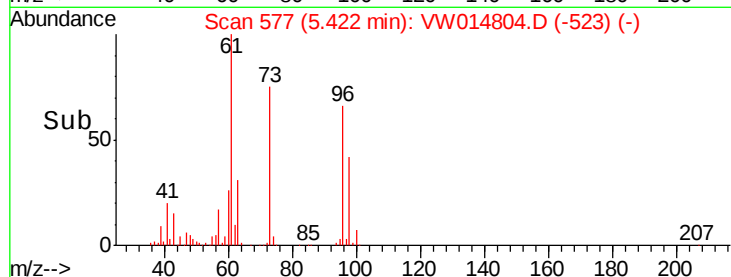
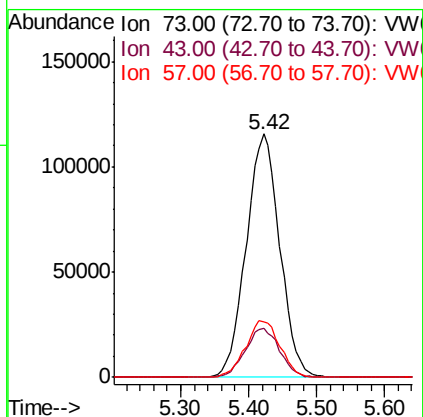
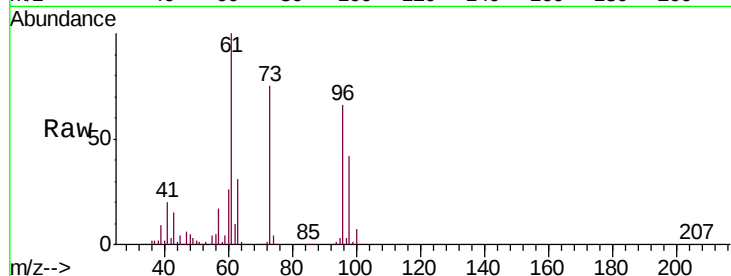




#17
Methyl tert-butyl Ether
Concen: 24.286 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

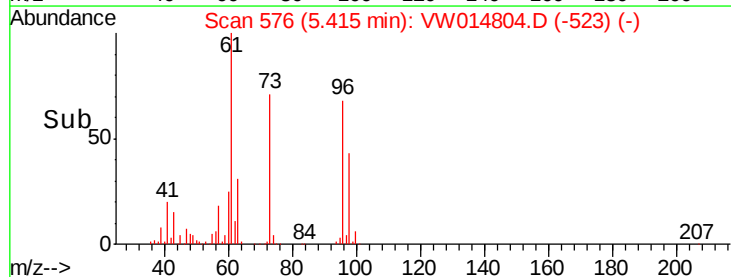
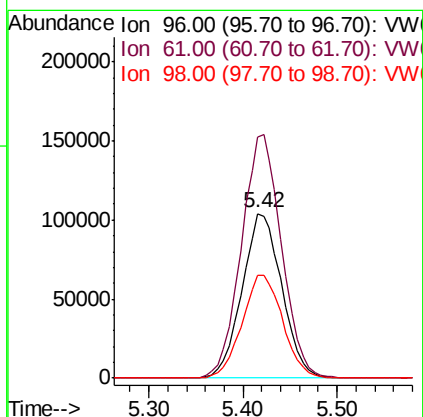
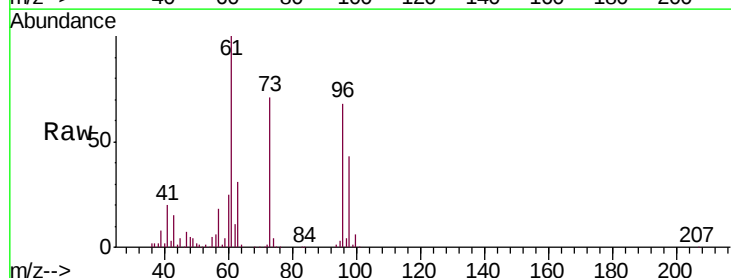
Instrument :
MSVOA_W
ClientSampled :
VSTD02529

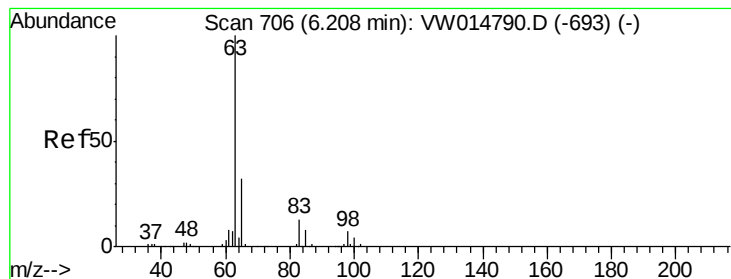
Tgt Ion: 73 Resp: 397453
Ion Ratio Lower Upper
73 100
43 20.4 16.2 24.4
57 23.6 19.1 28.7



#18
trans-1,2-Dichloroethene
Concen: 24.048 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

Tgt Ion: 96 Resp: 307622
Ion Ratio Lower Upper
96 100
61 146.2 100.2 186.0
98 62.2 43.1 80.1





#19

1,1-Dichloroethane

Concen: 24.298 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

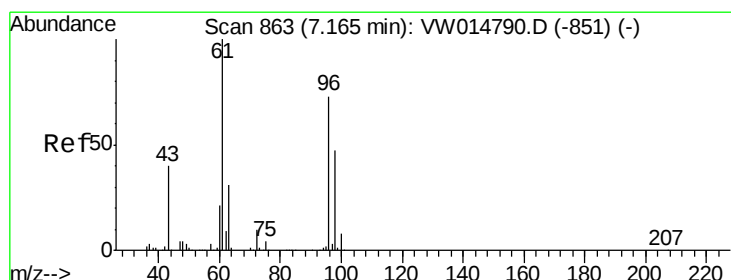
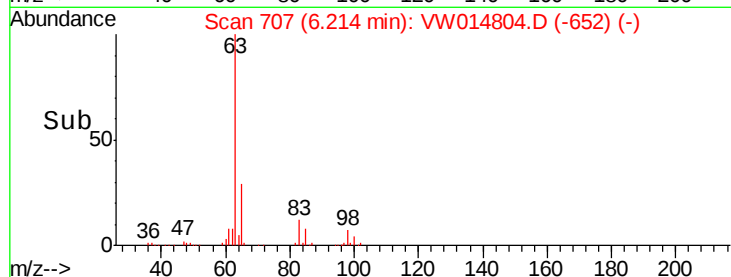
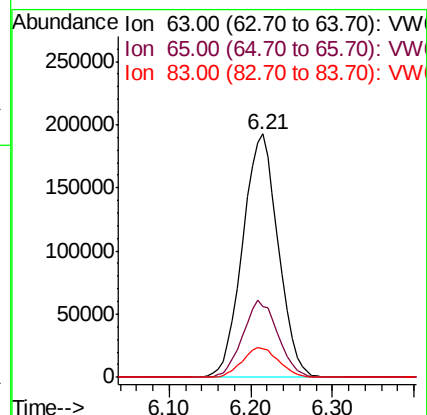
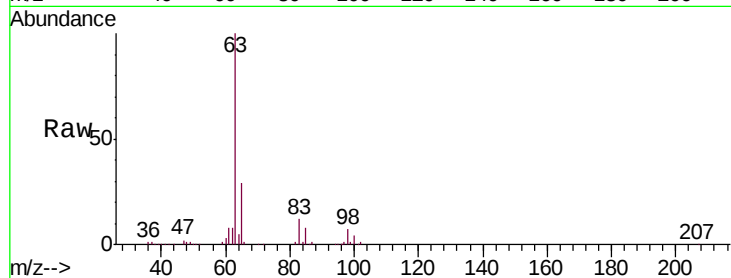
Tgt Ion: 63 Resp: 582878

Ion Ratio Lower Upper

63 100

65 29.1 21.7 40.3

83 11.9 8.8 16.4



#21

2-Butanone

Concen: 39.768 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014804.D

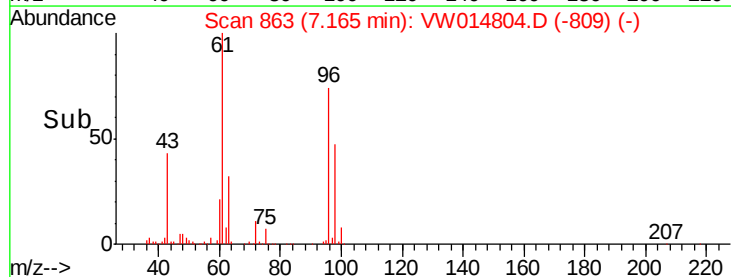
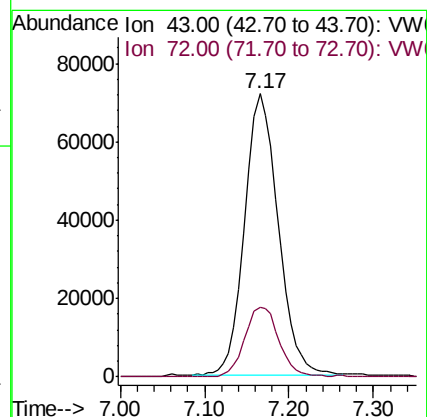
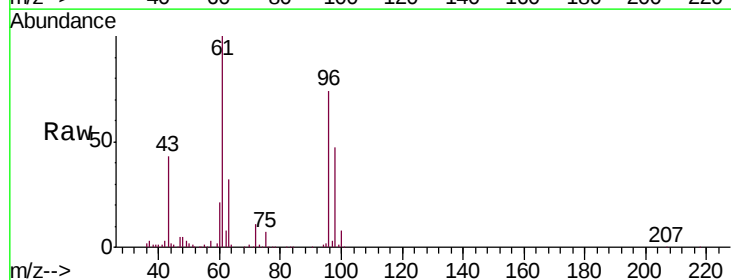
Acq: 29 Jan 2020 19:20

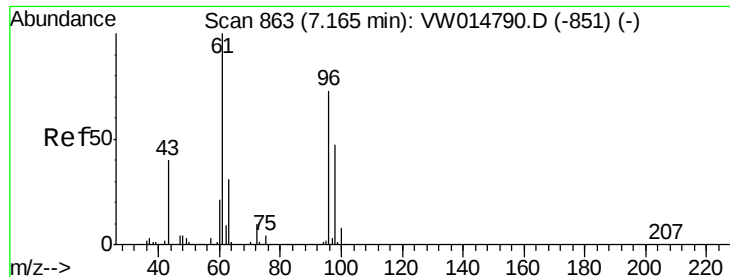
Tgt Ion: 43 Resp: 194519

Ion Ratio Lower Upper

43 100

72 25.1 12.6 37.6



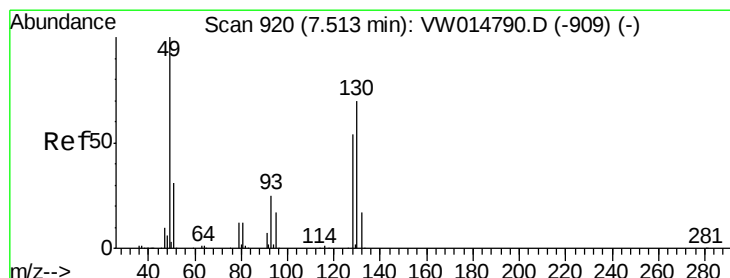
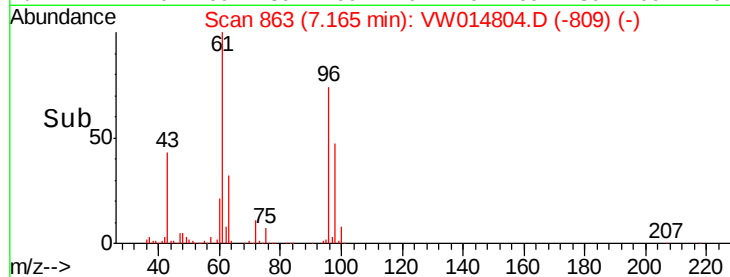
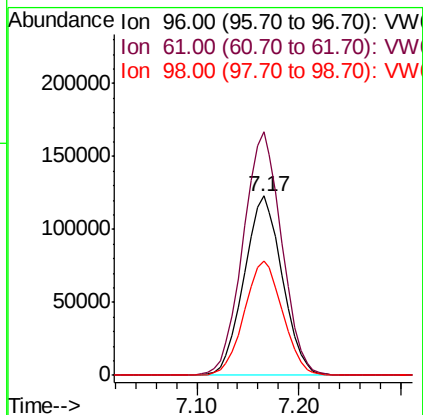
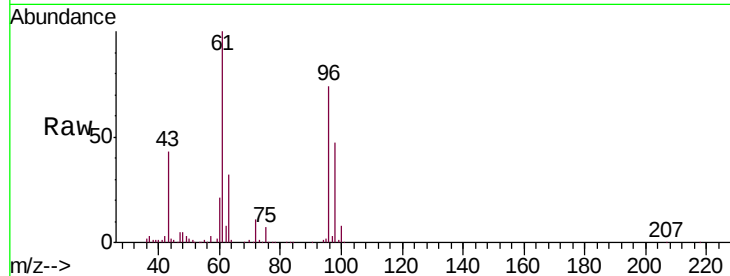


#22

cis-1,2-Dichloroethene
 Concen: 23.925 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

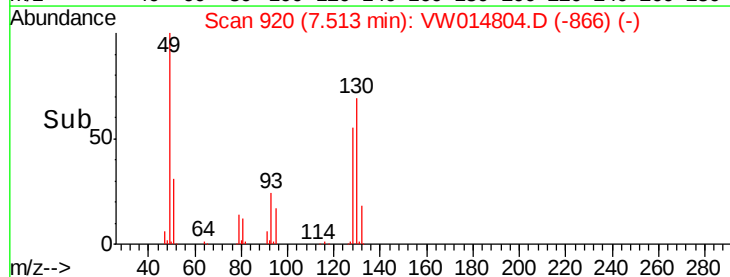
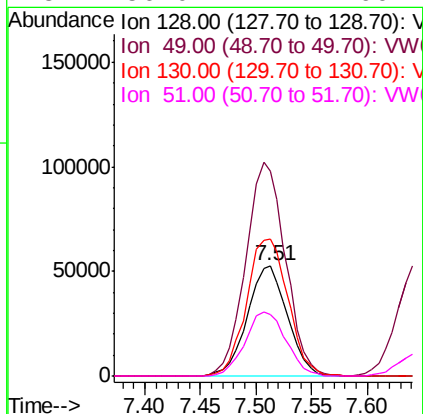
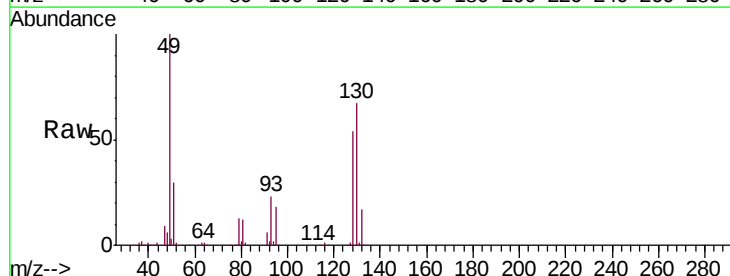
Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	94.1	174.7
98	63.6	44.9	83.3

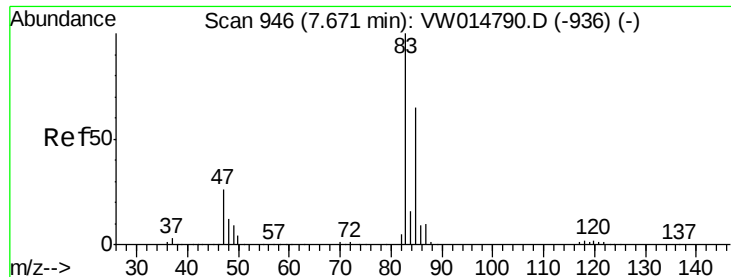


#23

Bromochloromethane
 Concen: 22.520 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
128	100		
49	185.7	127.7	237.1
130	124.0	93.4	173.6
51	56.0	44.1	66.1

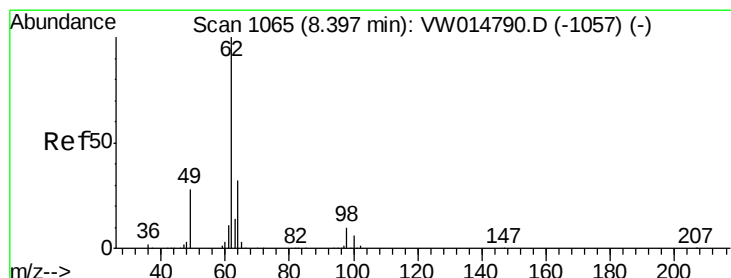
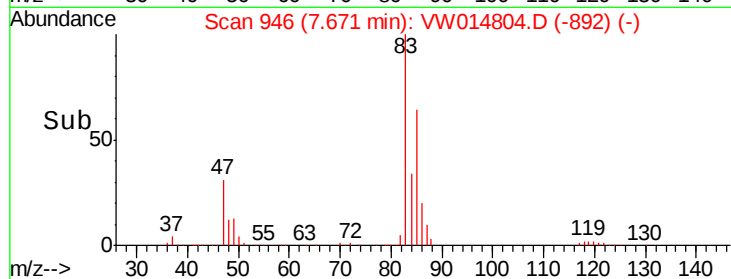
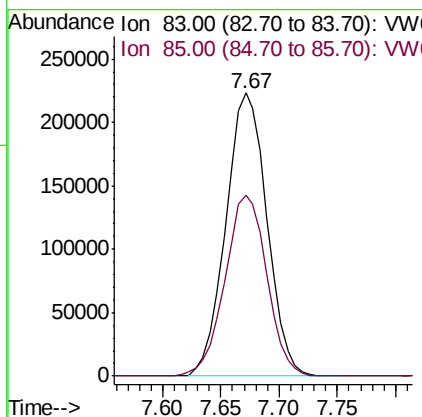
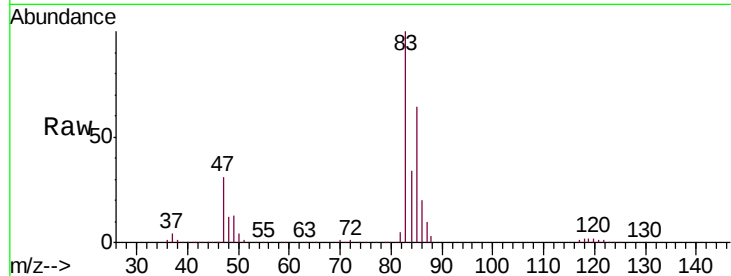




#25
Chloroform
Concen: 24.473 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

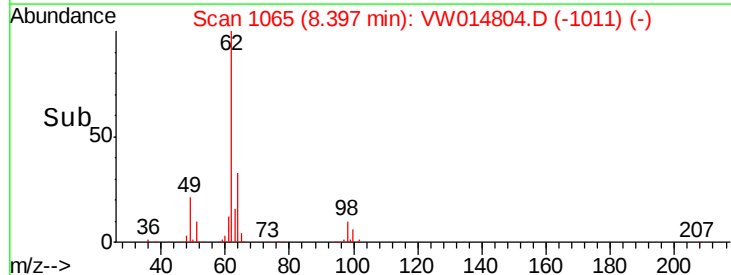
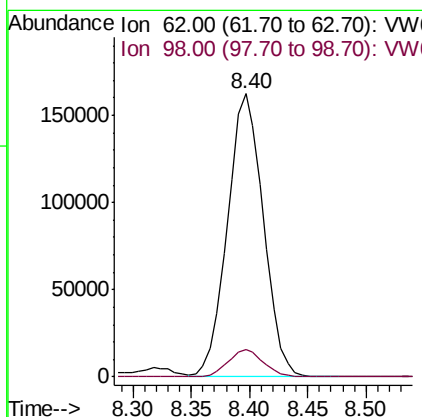
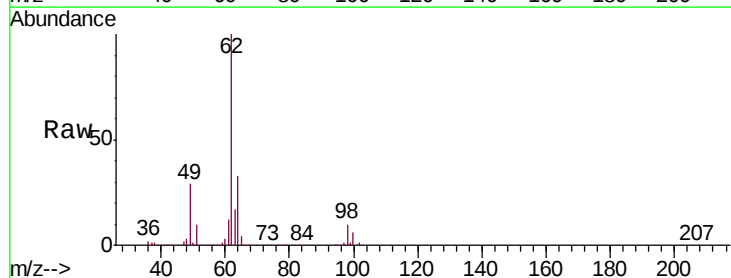
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

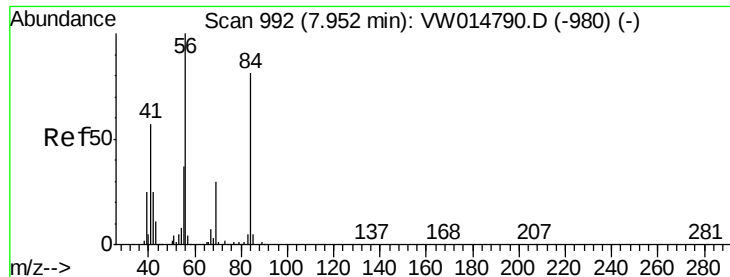
Tgt Ion: 83 Resp: 547752
Ion Ratio Lower Upper
83 100
85 65.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.612 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

Tgt Ion: 62 Resp: 349194
Ion Ratio Lower Upper
62 100
98 9.7 7.5 11.3

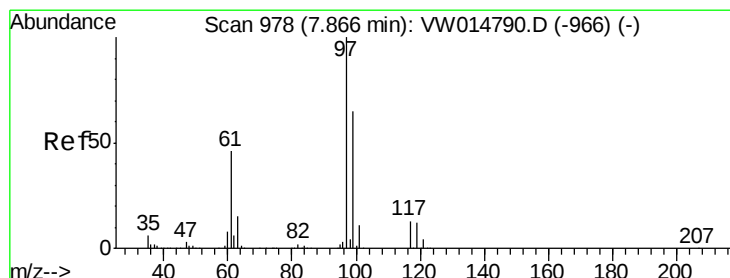
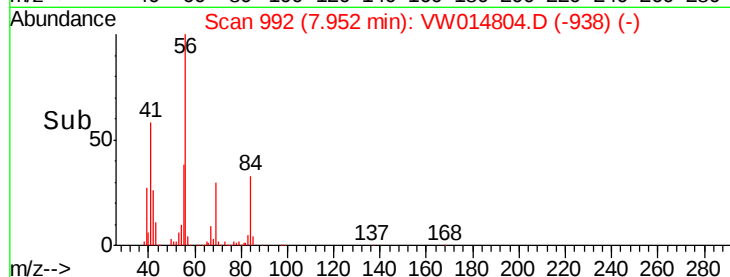
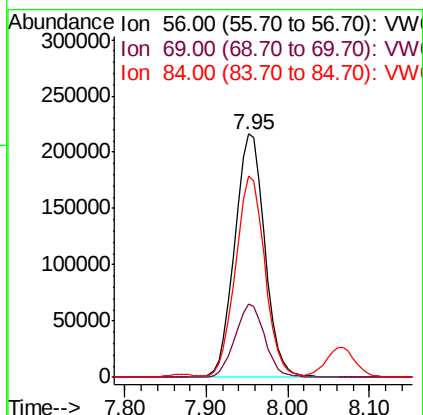
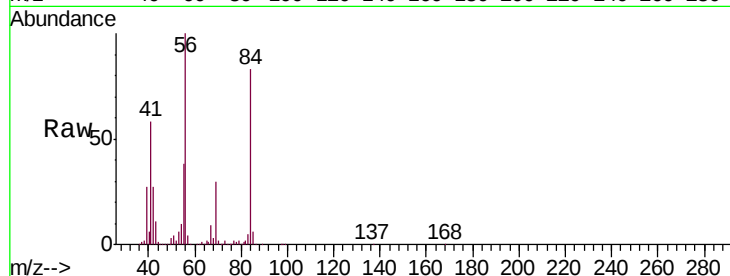




#30
Cyclohexane
Concen: 24.514 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

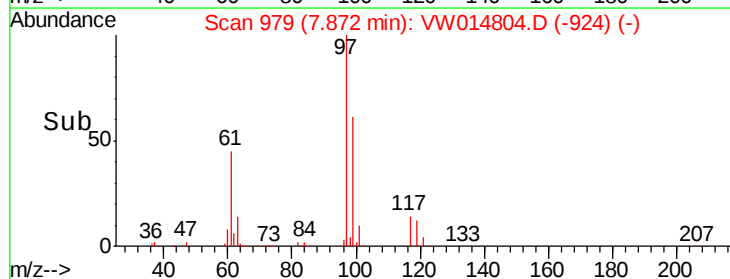
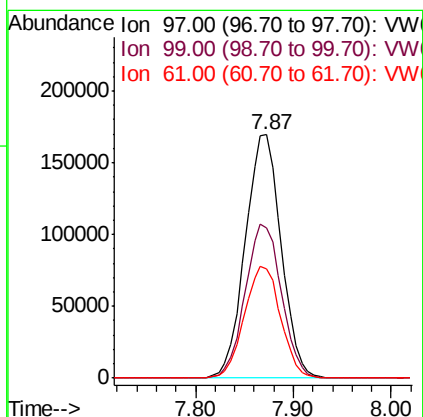
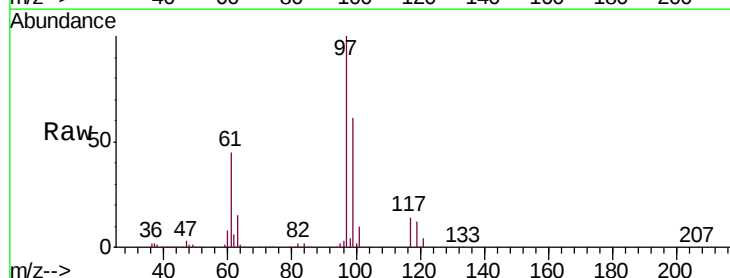
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

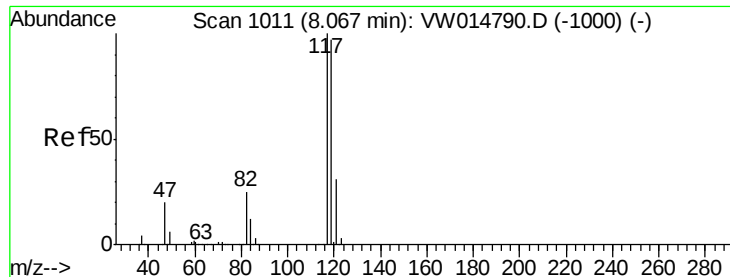
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.8	35.6
84	80.8	64.8	97.2



#31
1,1,1-Trichloroethane
Concen: 23.936 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	46.3	36.4	54.6





#32

Carbon tetrachloride

Concen: 23.407 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

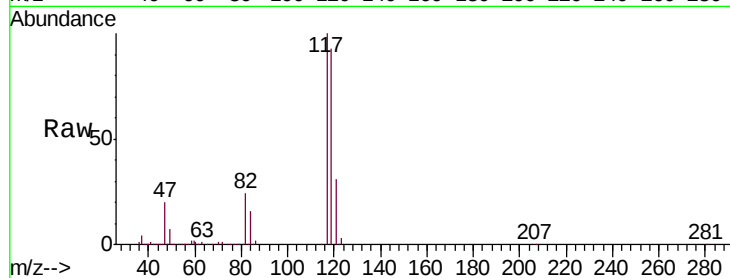
VSTD02529

Tgt Ion:117 Resp: 395298

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

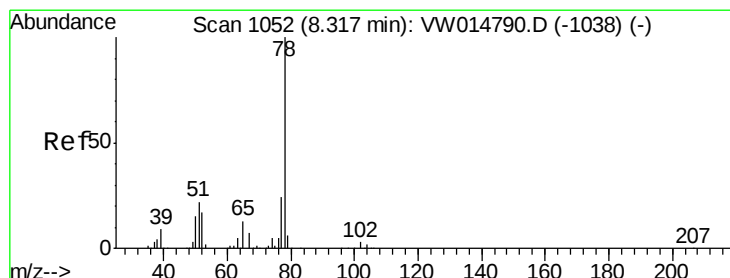
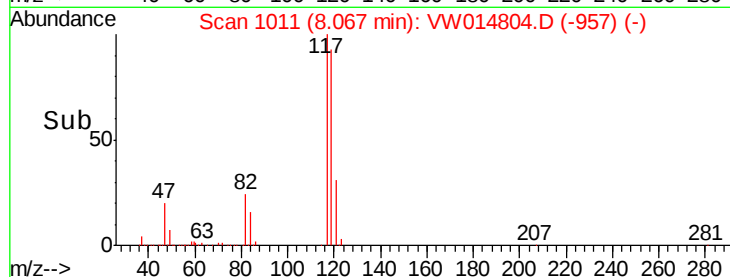
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.176 ug/L

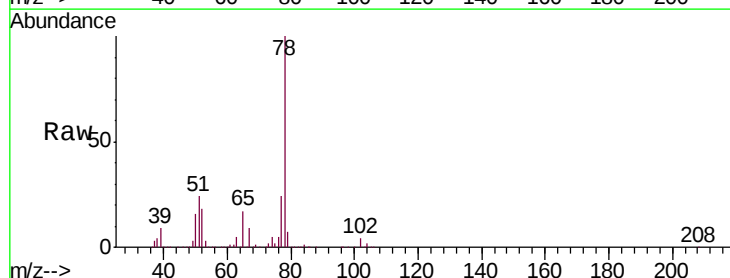
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Tgt Ion: 78 Resp: 1277837



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

500000

400000

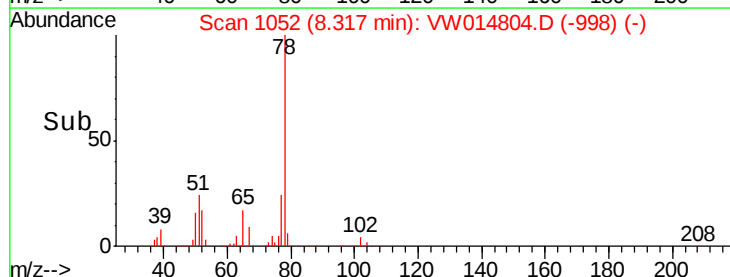
300000

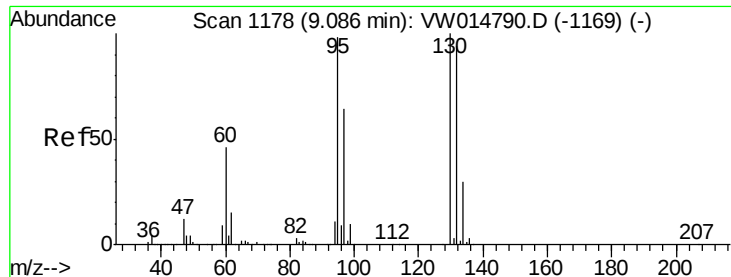
200000

100000

0

Time-->





#35

Trichloroethene

Concen: 23.344 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion: 95 Resp: 313449

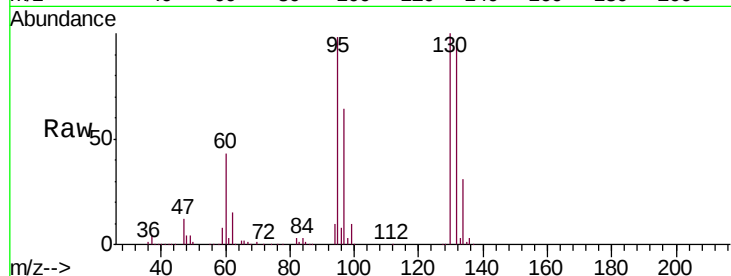
Ion Ratio Lower Upper

95 100

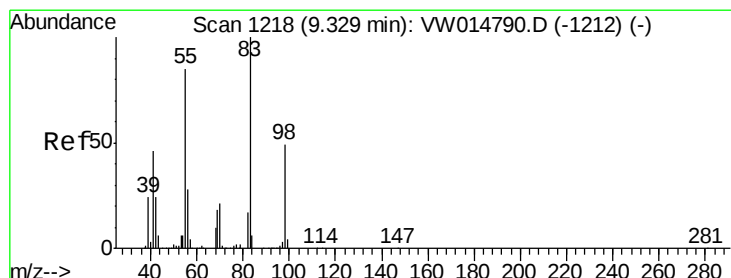
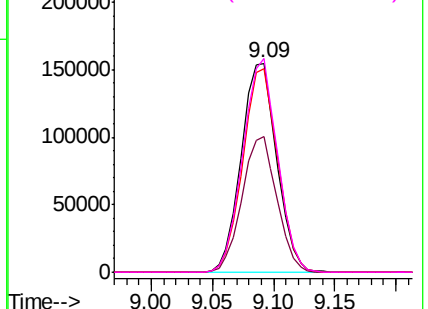
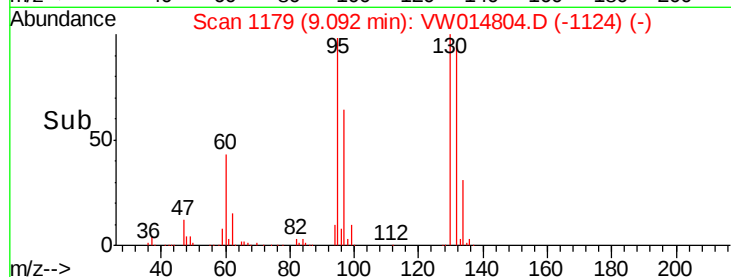
97 63.5 44.3 82.3

132 95.5 67.1 124.7

130 99.7 69.9 129.7



Abundance Ion 95.00 (94.70 to 95.70): VW
 250000 Ion 97.00 (96.70 to 97.70): VW
 200000 Ion 132.00 (131.70 to 132.70): V
 150000 Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 24.080 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

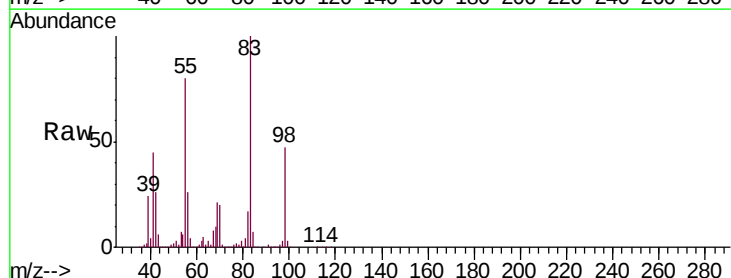
Tgt Ion: 83 Resp: 562514

Ion Ratio Lower Upper

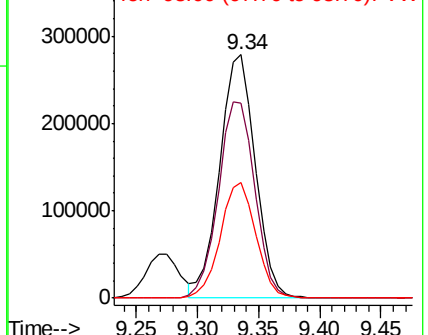
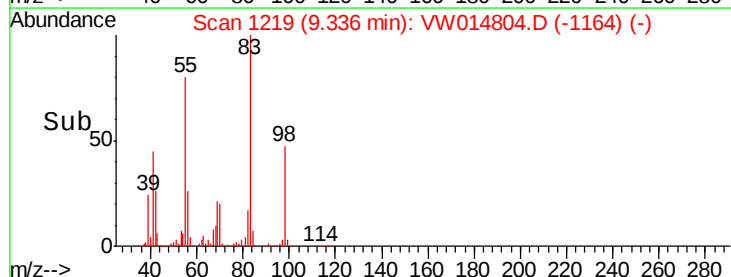
83 100

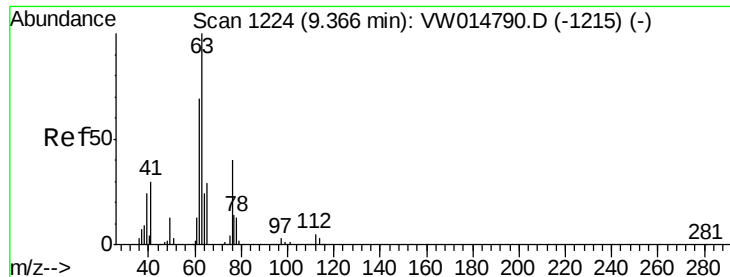
55 82.4 65.6 98.4

98 47.3 38.0 57.0



Abundance Ion 83.00 (82.70 to 83.70): VW
 300000 Ion 55.00 (54.70 to 55.70): VW
 200000 Ion 98.00 (97.70 to 98.70): VW

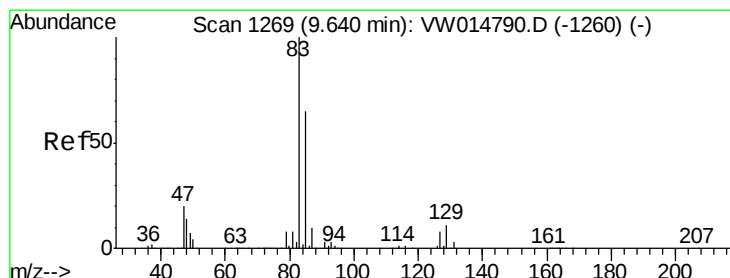
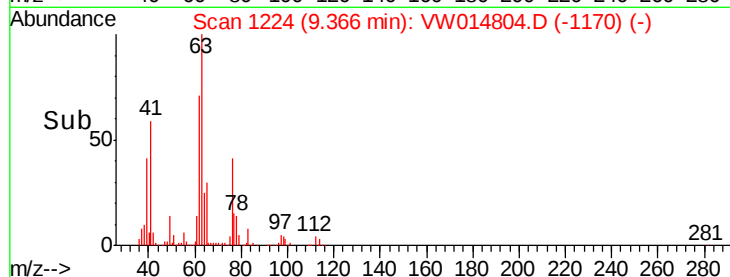
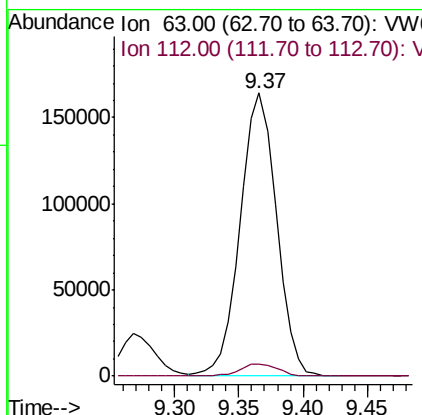
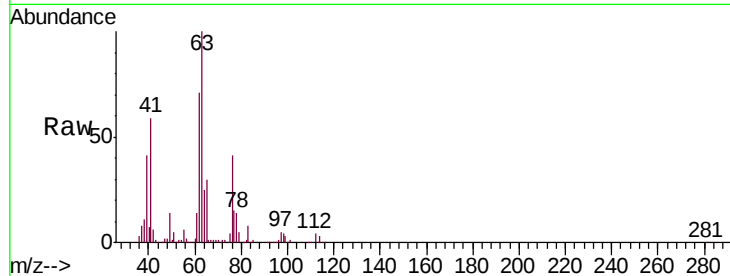




#40
 1,2-Dichloropropane
 Concen: 24.027 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

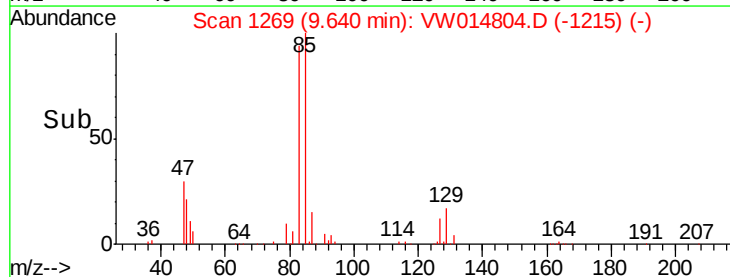
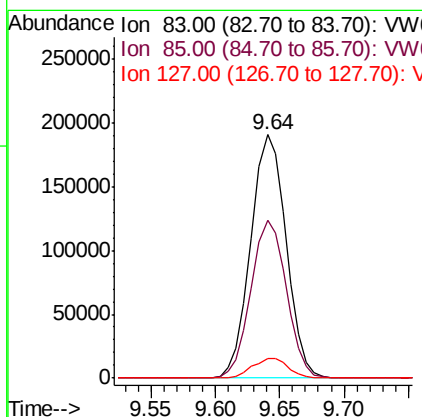
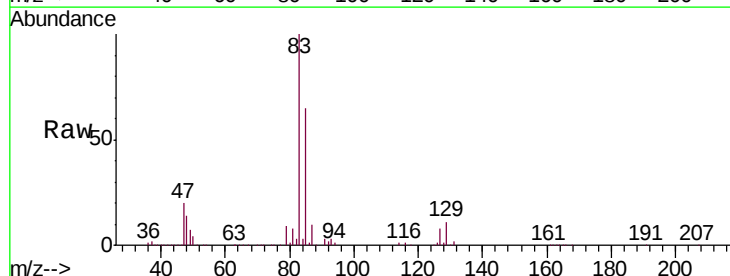
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

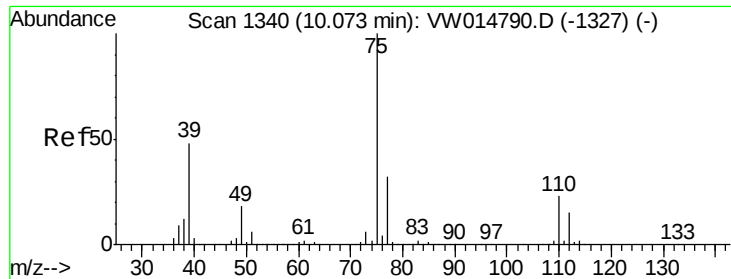
Tgt Ion: 63 Resp: 321950
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 22.699 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Tgt Ion: 83 Resp: 363496
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.7 84.9
 127 8.1 6.5 9.7

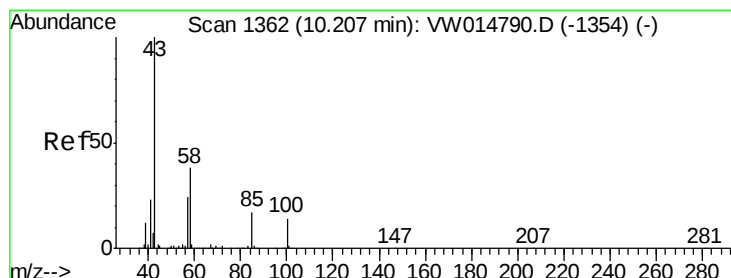
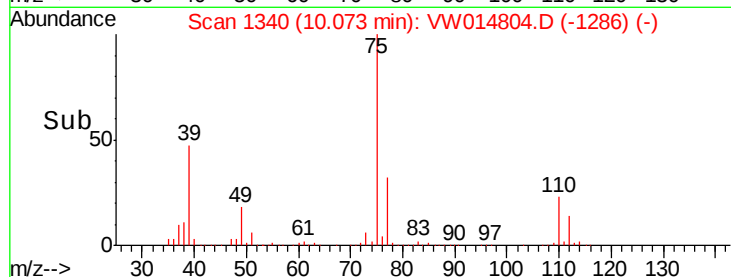
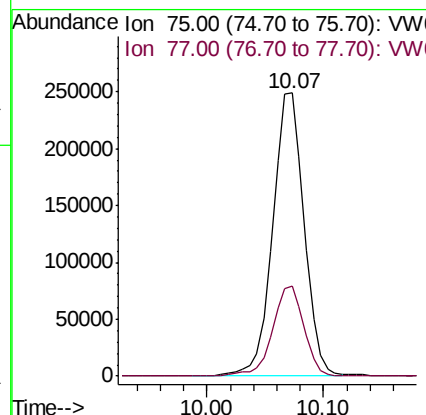
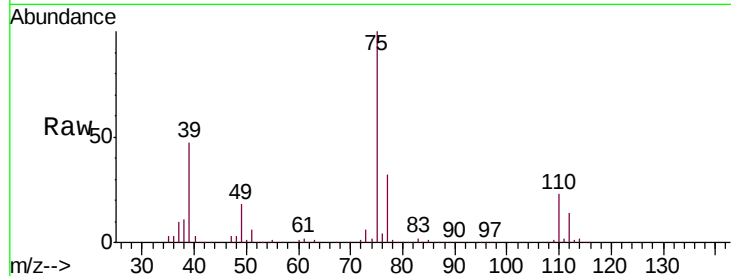




#42
 cis-1,3-Dichloropropene
 Concen: 23.858 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

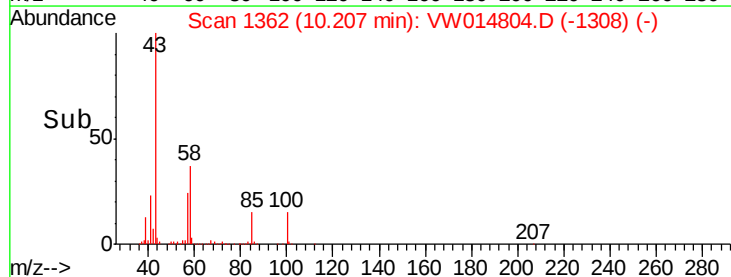
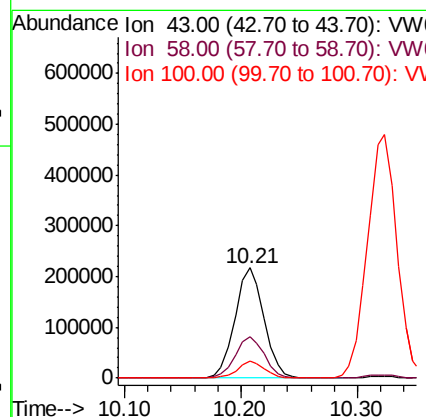
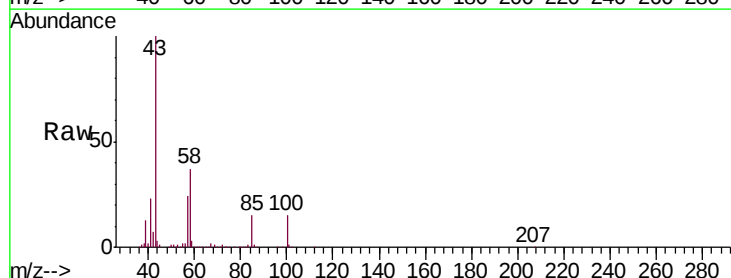
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02529

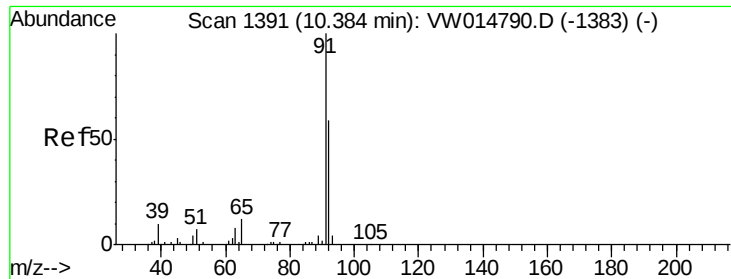
Tgt Ion: 75 Resp: 466913
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 42.745 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Tgt Ion: 43 Resp: 376610
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.9 46.3
 100 14.1 11.8 17.6





#44

Toluene

Concen: 24.429 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

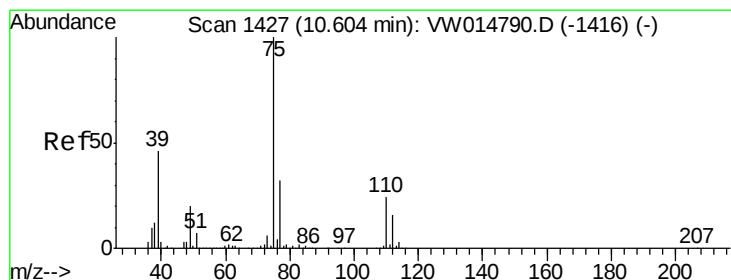
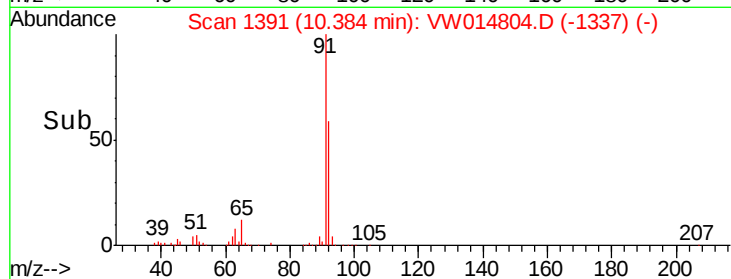
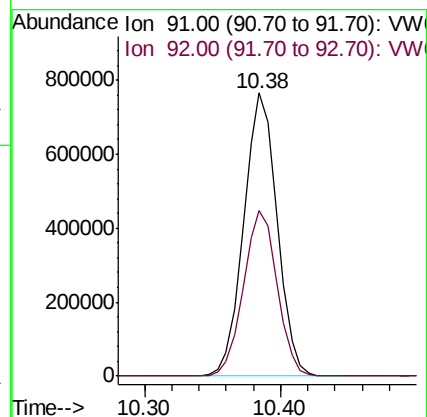
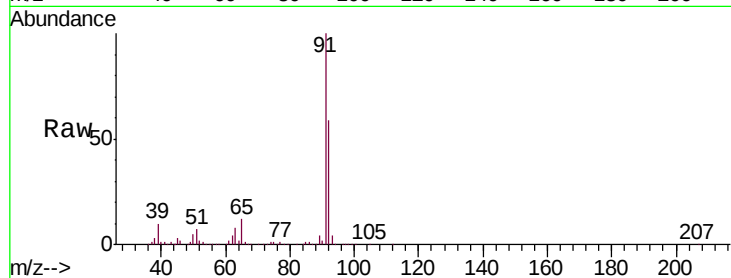
VSTD02529

Tgt Ion: 91 Resp: 1312010

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.244 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014804.D

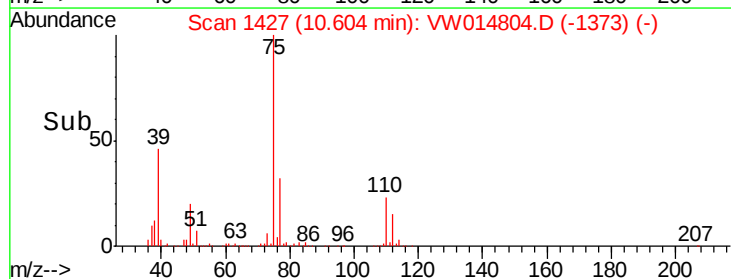
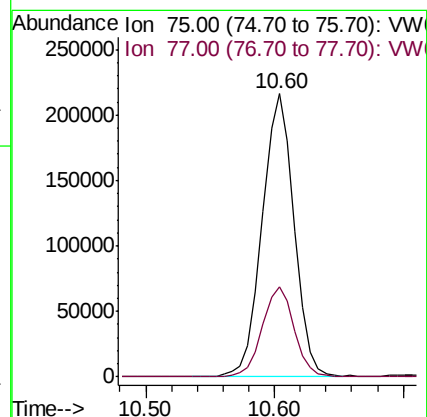
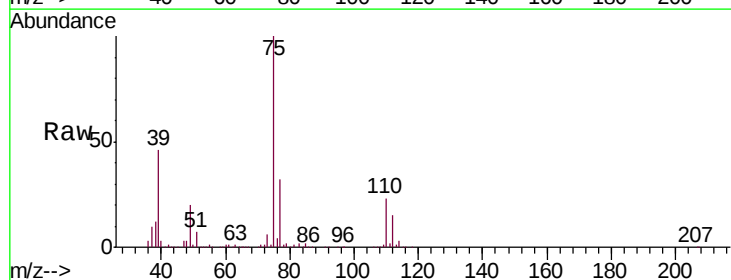
Acq: 29 Jan 2020 19:20

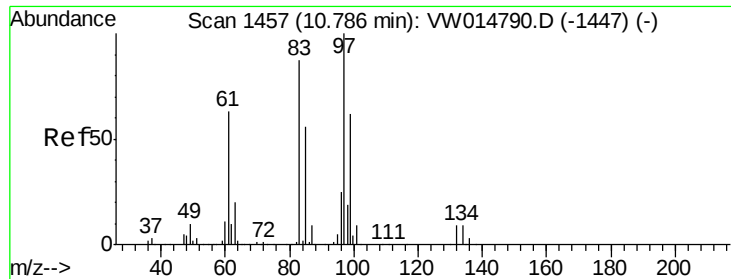
Tgt Ion: 75 Resp: 369290

Ion Ratio Lower Upper

75 100

77 31.9 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 22.552 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

Tgt Ion: 97 Resp: 206277

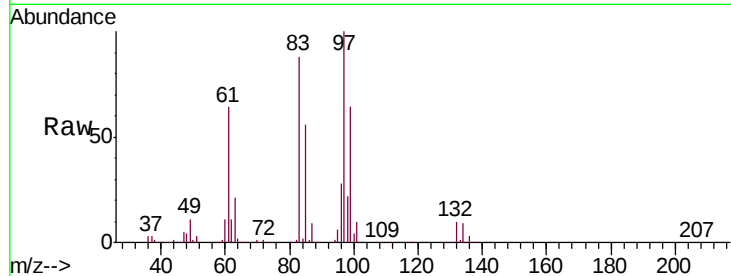
Ion Ratio Lower Upper

97 100

83 87.9 60.9 113.1

85 56.0 39.2 72.8

99 64.0 43.0 80.0

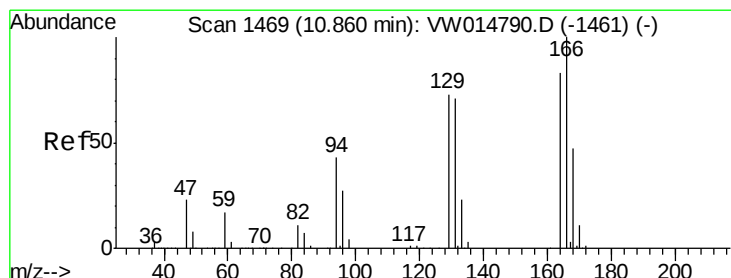
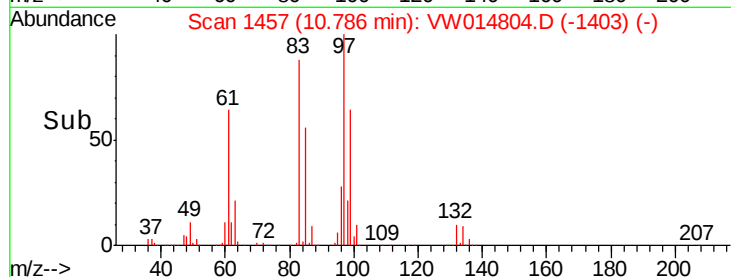
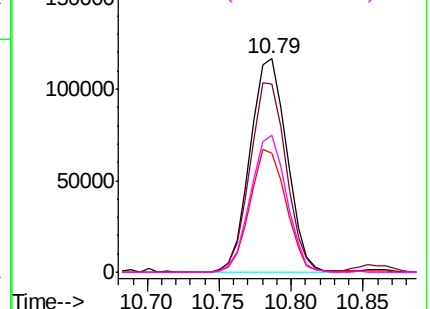


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.987 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Tgt Ion: 164 Resp: 257353

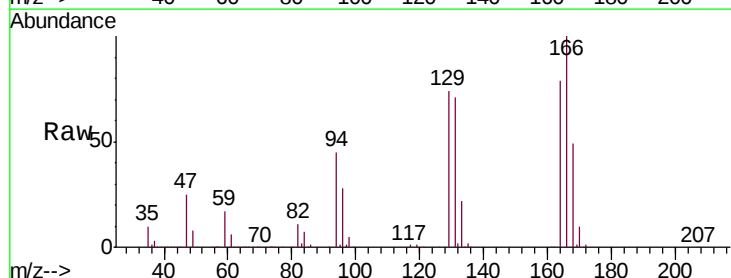
Ion Ratio Lower Upper

164 100

129 93.7 64.4 119.6

131 90.2 61.2 113.6

166 126.2 88.8 165.0

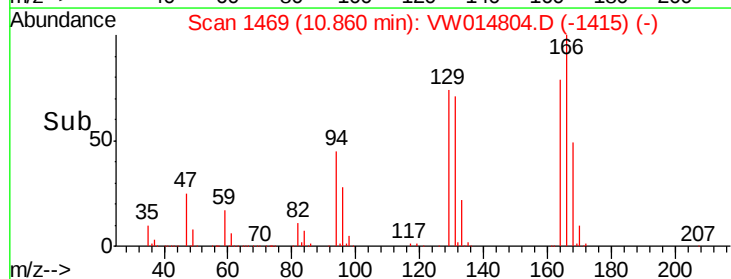
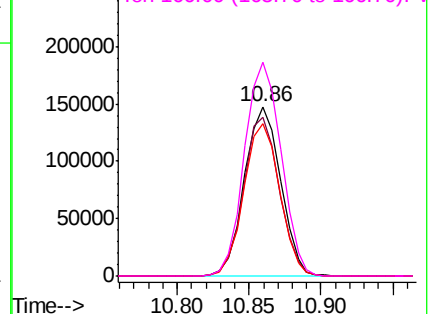


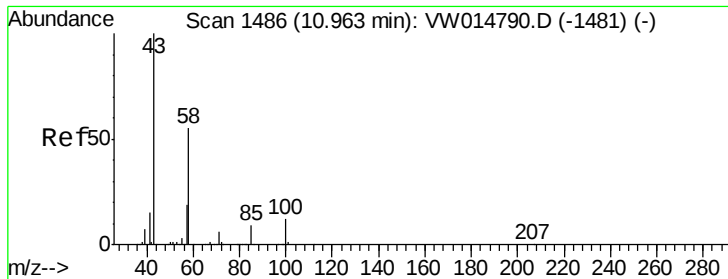
Abundance Ion 164.00 (163.70 to 164.70): V

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

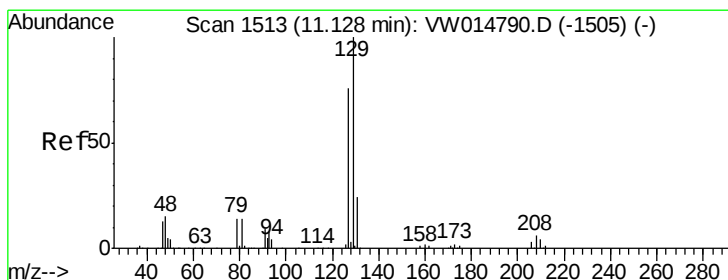
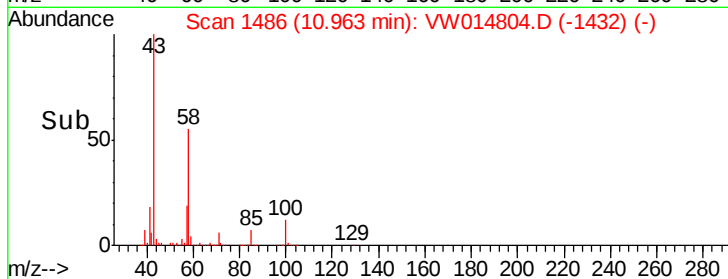
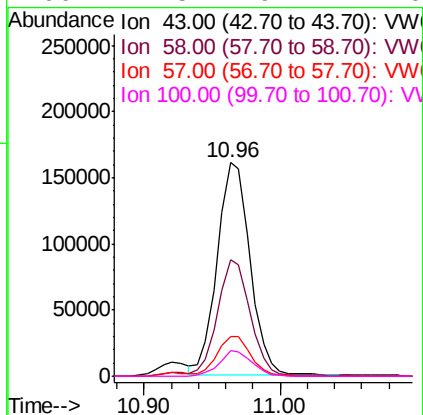
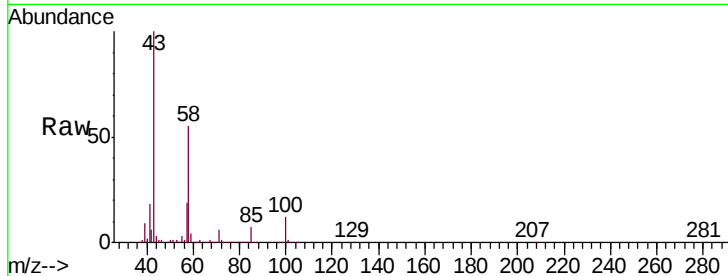




#49
2-Hexanone
Concen: 42.775 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

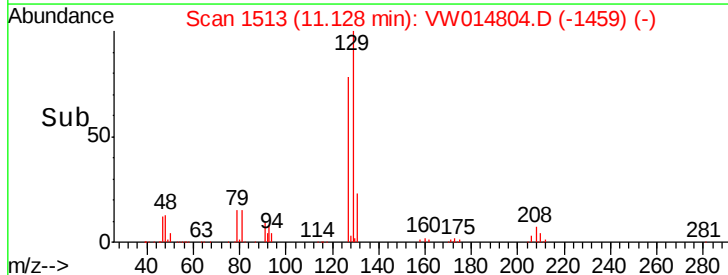
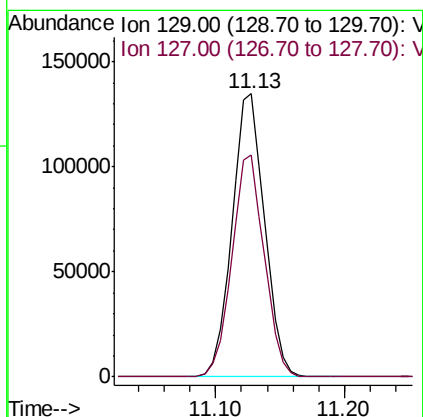
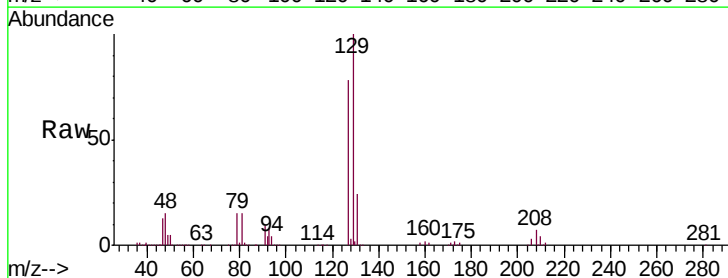
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

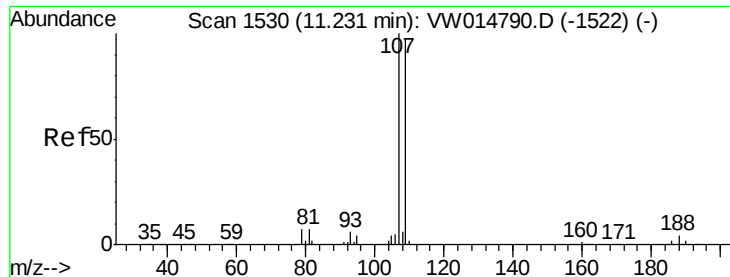
Tgt Ion:	43	Resp:	270955
Ion	Ratio	Lower	Upper
43	100		
58	53.8	43.2	64.8
57	18.8	14.7	22.1
100	11.5	9.4	14.0



#50
Dibromochloromethane
Concen: 22.609 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

Tgt Ion:	129	Resp:	235956
Ion	Ratio	Lower	Upper
129	100		
127	78.5	55.7	103.5

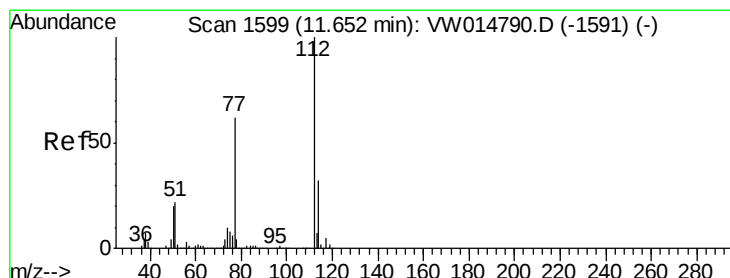
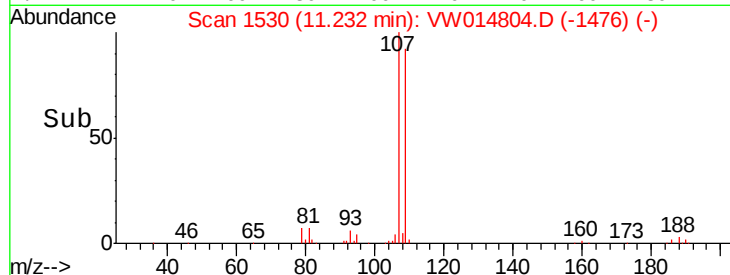
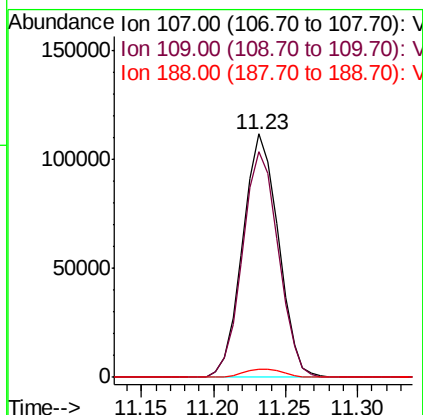
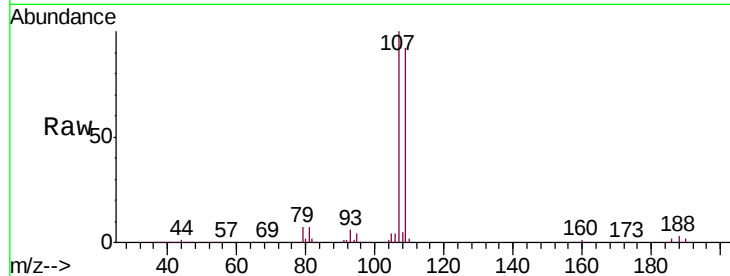




#51
1,2-Dibromoethane
Concen: 21.881 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

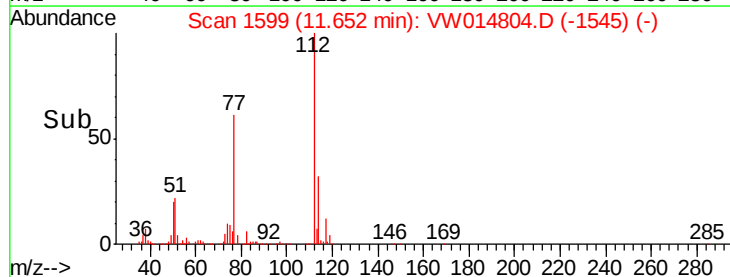
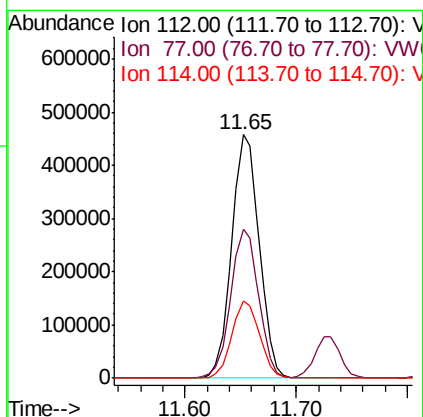
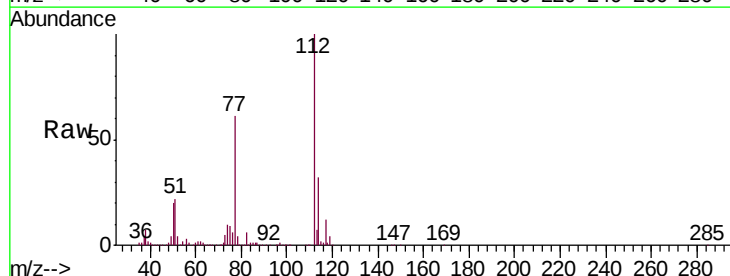
Instrument :
MSVOA_W
ClientSampleId :
VSTD02529

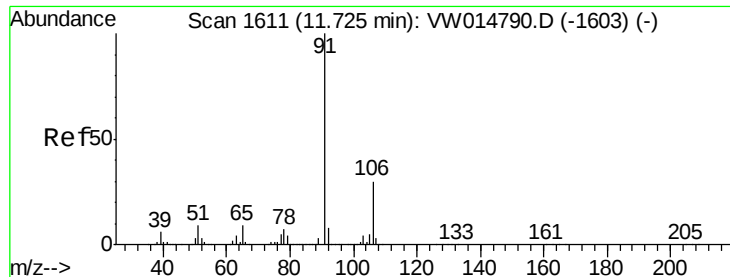
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	66.6	123.8
188	3.5	3.0	4.6



#52
Chlorobenzene
Concen: 23.297 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014804.D
Acq: 29 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.4	49.2	73.8
114	31.9	22.5	41.7





#53

Ethylbenzene

Concen: 24.373 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

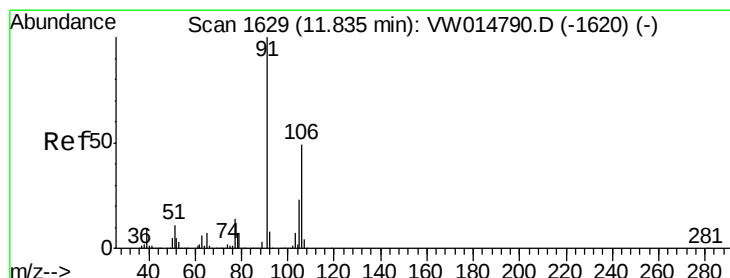
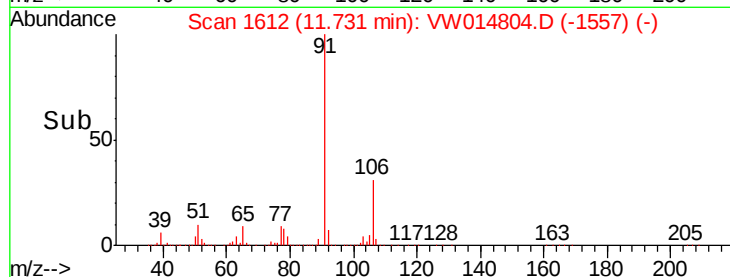
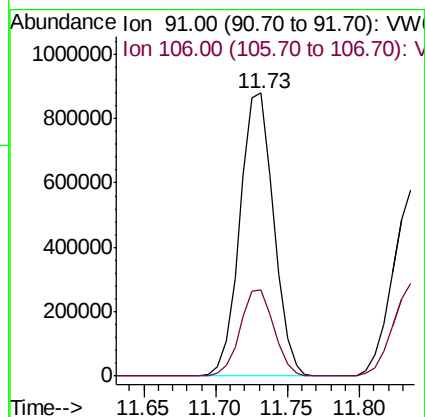
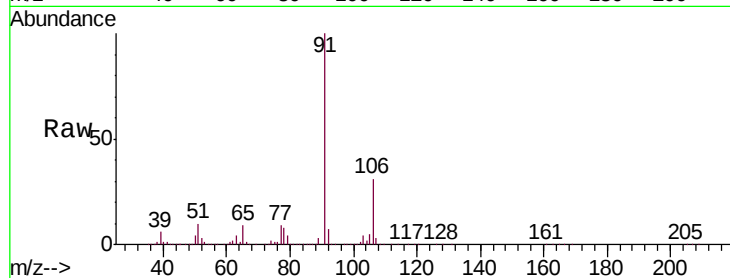
VSTD02529

Tgt Ion: 91 Resp: 1430515

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.3



#54

m,p-Xylene

Concen: 24.672 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014804.D

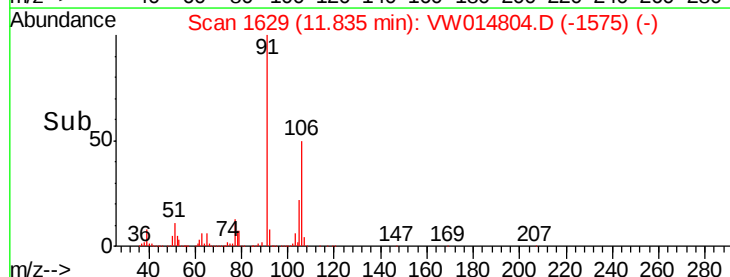
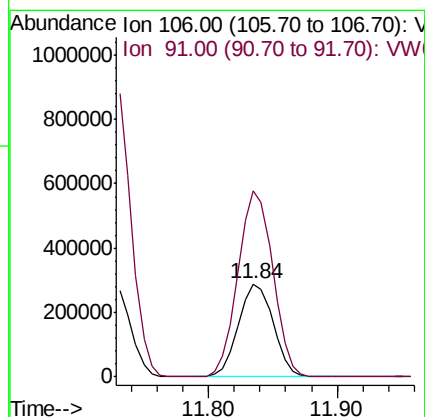
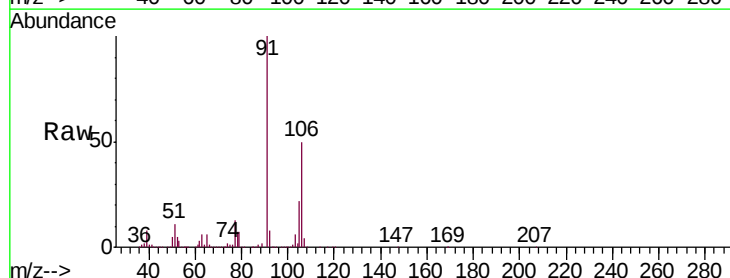
Acq: 29 Jan 2020 19:20

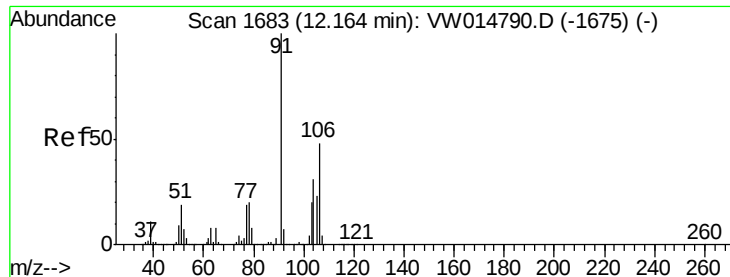
Tgt Ion: 106 Resp: 541293

Ion Ratio Lower Upper

106 100

91 199.6 146.2 271.6





#55

o-xylene

Concen: 24.063 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

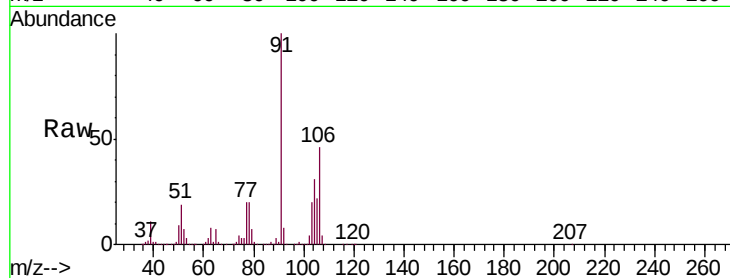
VSTD02529

Tgt Ion:106 Resp: 495371

Ion Ratio Lower Upper

106 100

91 217.1 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

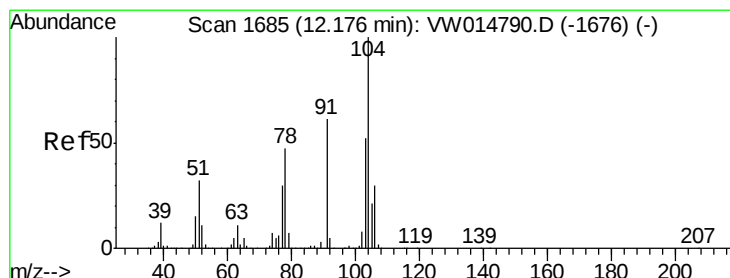
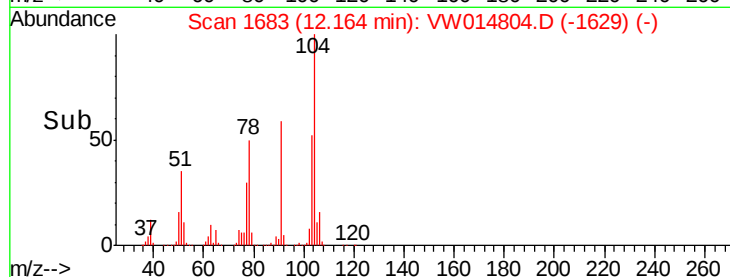
400000

200000

0

12.10 12.15 12.20 12.25

Time-->



#56

Styrene

Concen: 24.445 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014804.D

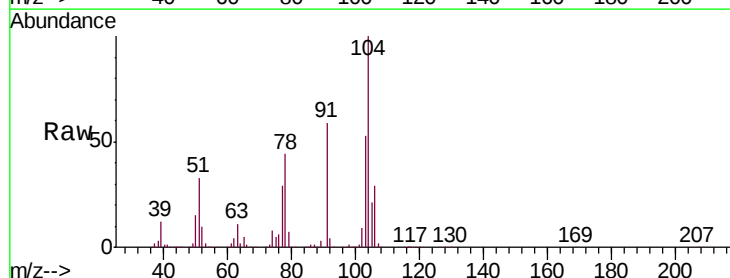
Acq: 29 Jan 2020 19:20

Tgt Ion:104 Resp: 853440

Ion Ratio Lower Upper

104 100

78 44.2 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

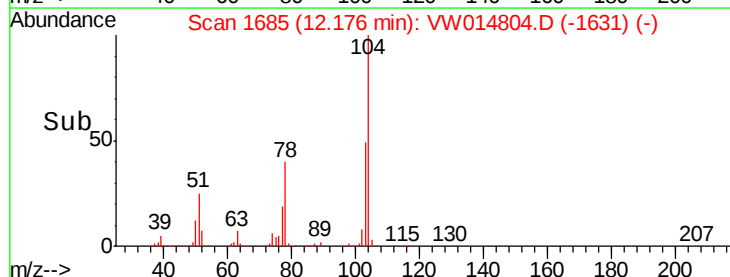
200000

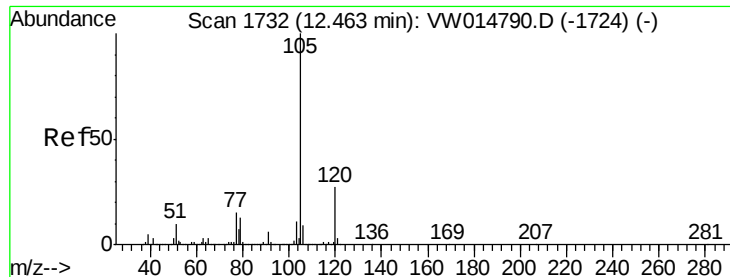
100000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 24.036 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

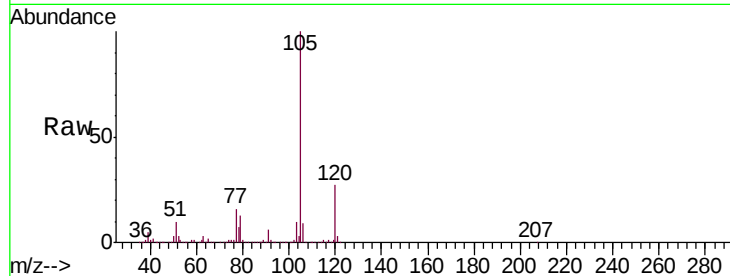
Tgt Ion: 105 Resp: 1340077

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

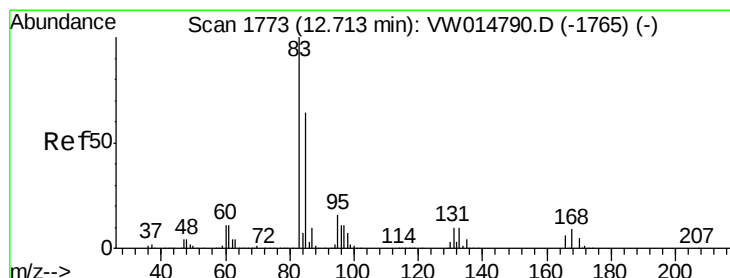
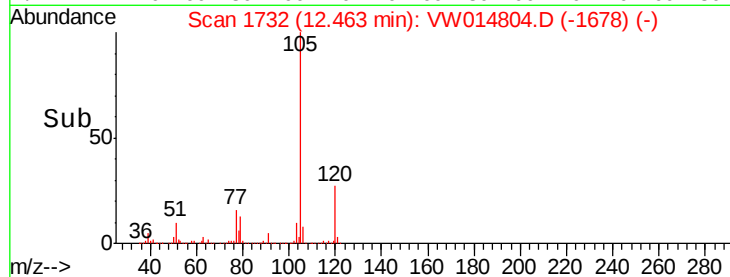
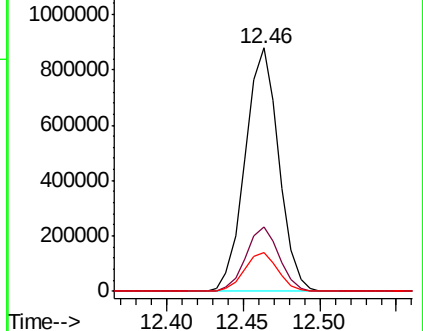
77 15.8 13.0 19.4



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: 21.117 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

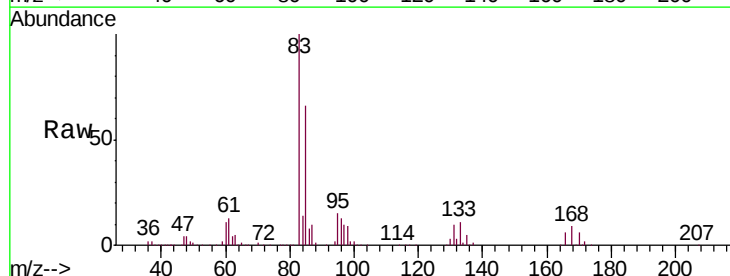
Tgt Ion: 83 Resp: 248870

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6

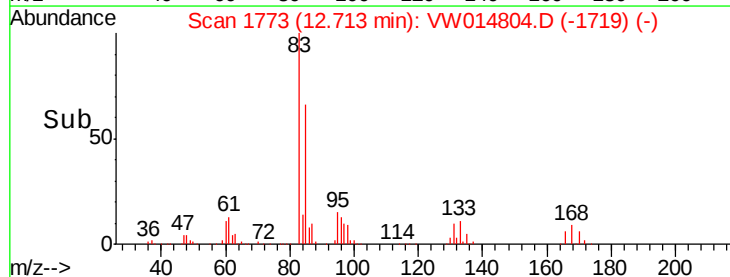
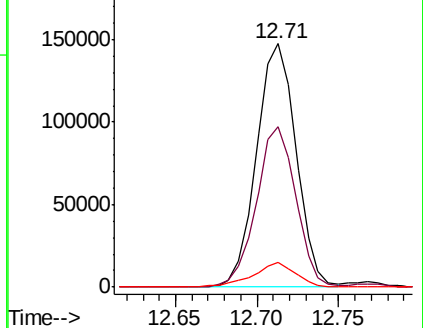
131 10.2 7.6 11.4

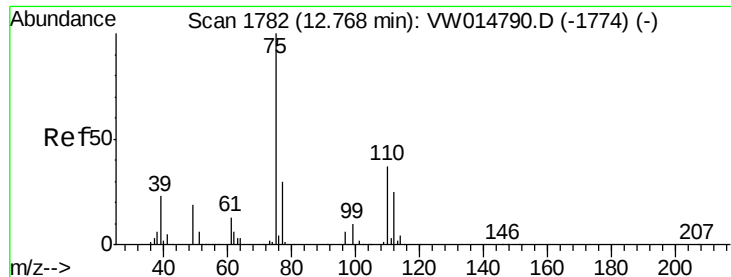


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 20.365 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

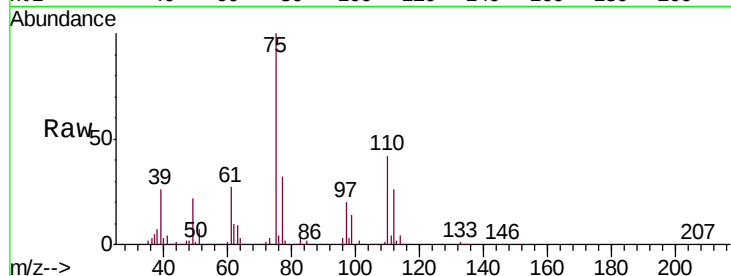
VSTD02529

Tgt Ion: 75 Resp: 180281

Ion Ratio Lower Upper

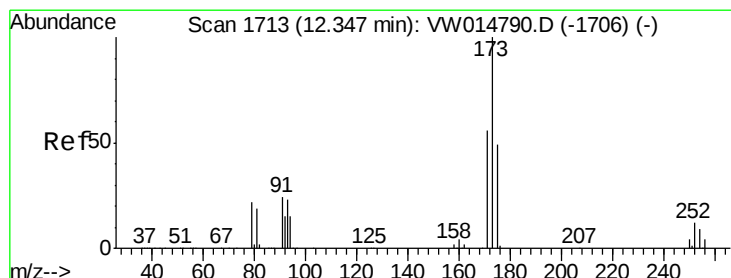
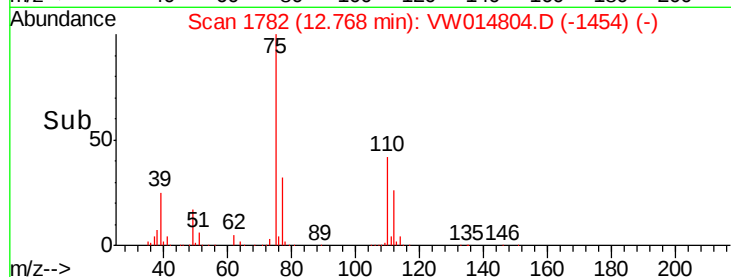
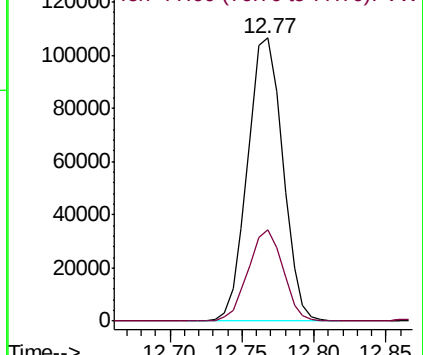
75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 21.110 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

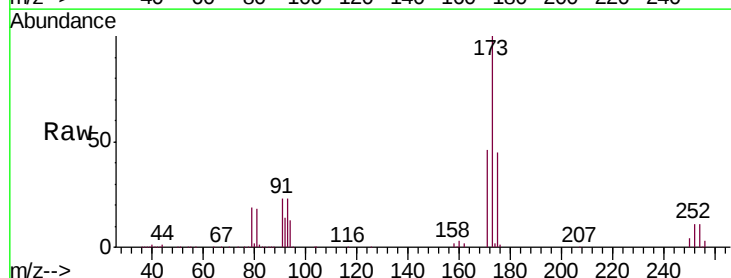
Tgt Ion: 173 Resp: 130390

Ion Ratio Lower Upper

173 100

175 48.1 39.8 59.8

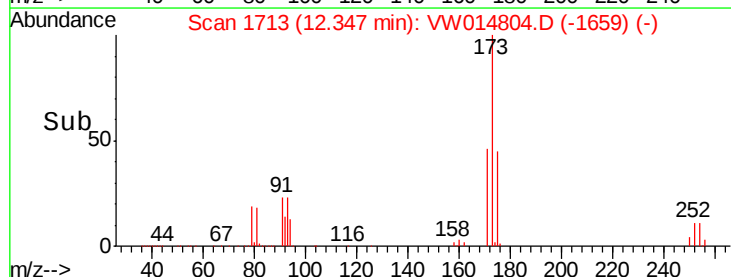
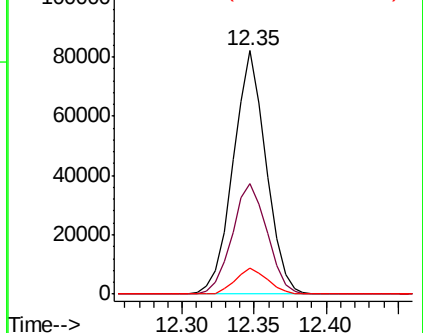
254 10.4 8.9 13.3

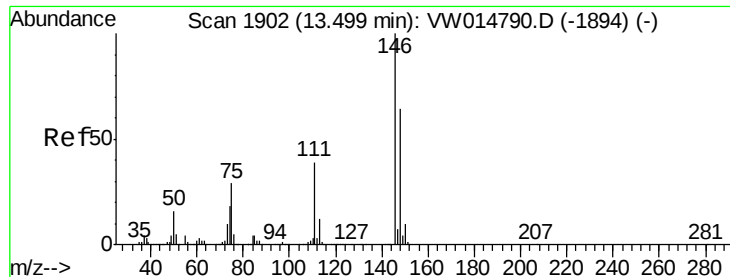


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

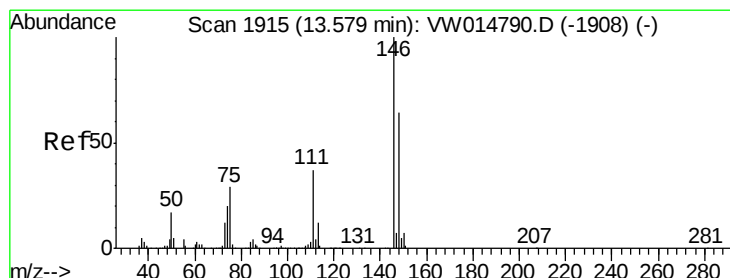
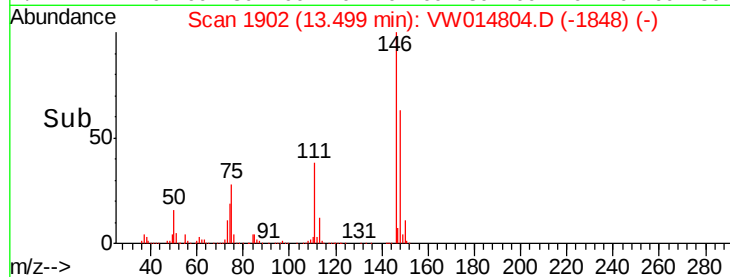
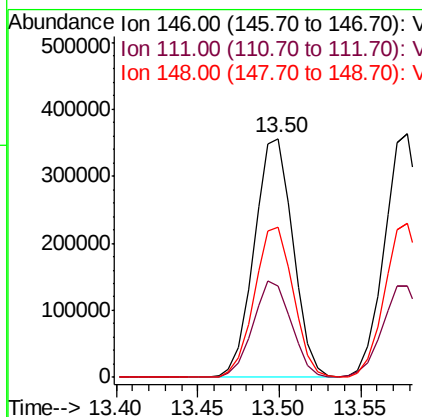
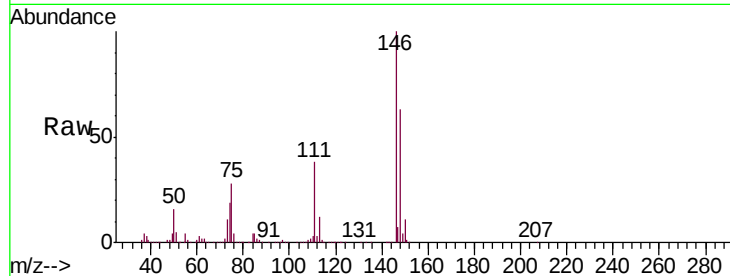




#63
 1,3-Dichlorobenzene
 Concen: 23.234 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

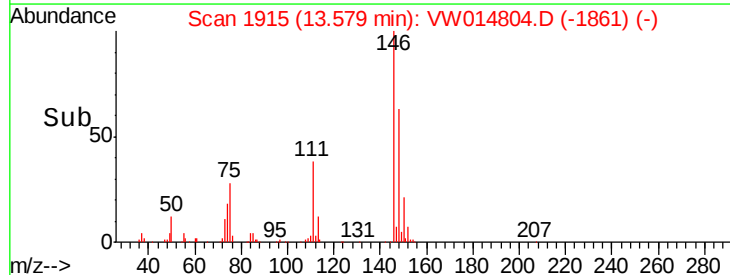
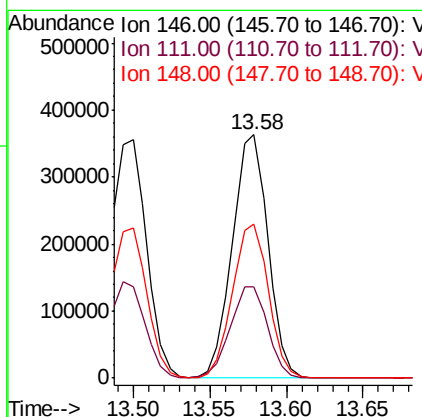
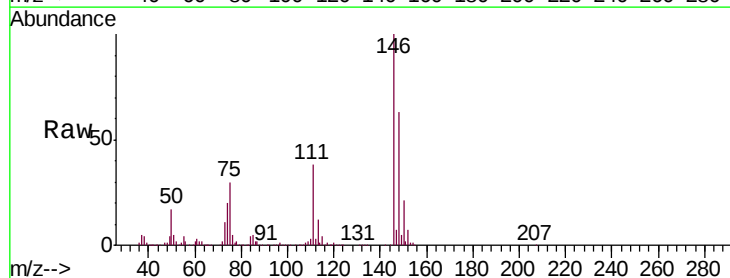
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

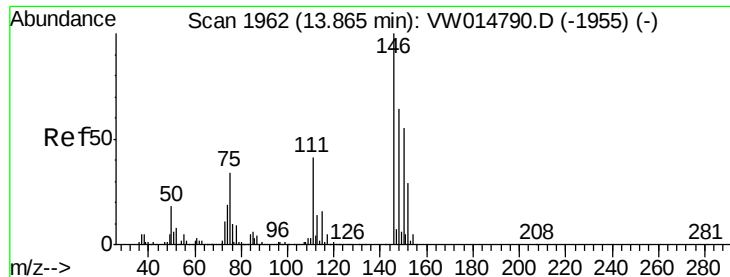
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	27.1	50.3
148	62.8	44.5	82.7



#64
 1,4-Dichlorobenzene
 Concen: 23.057 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	26.4	49.0
148	63.2	43.9	81.5

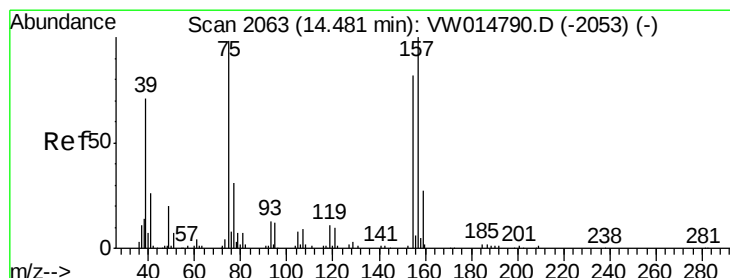
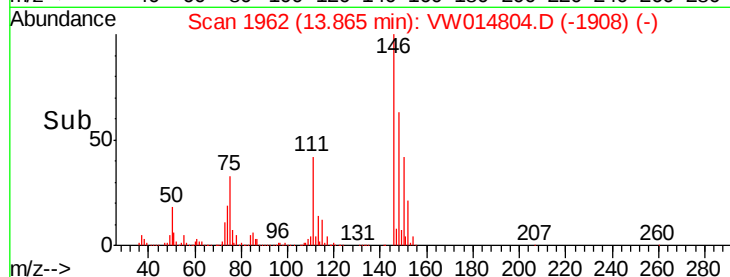
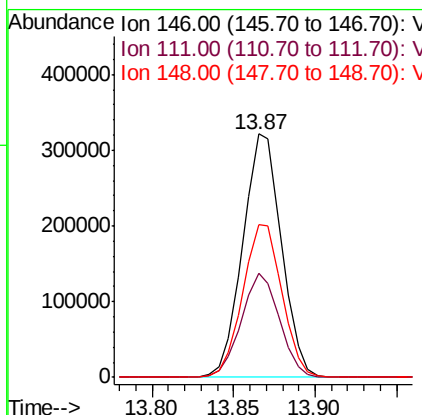
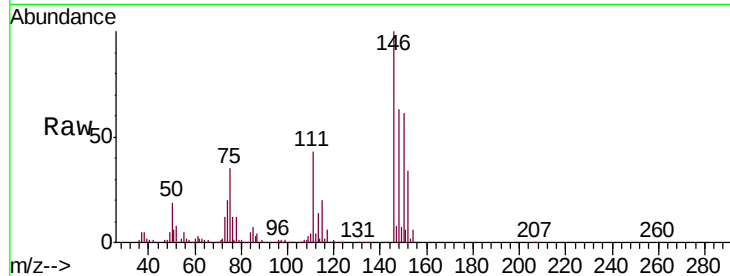




#65
 1,2-Dichlorobenzene
 Concen: 22.921 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

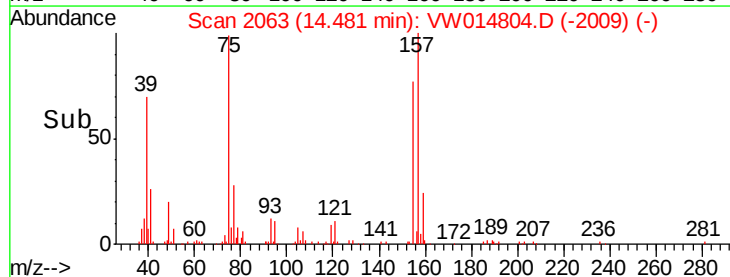
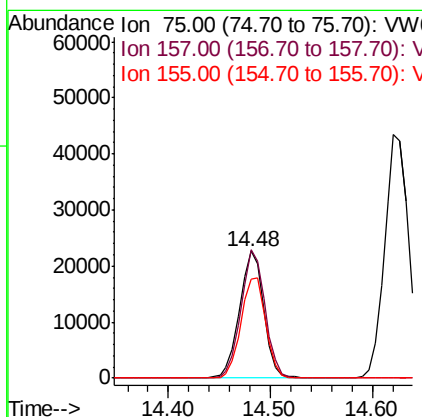
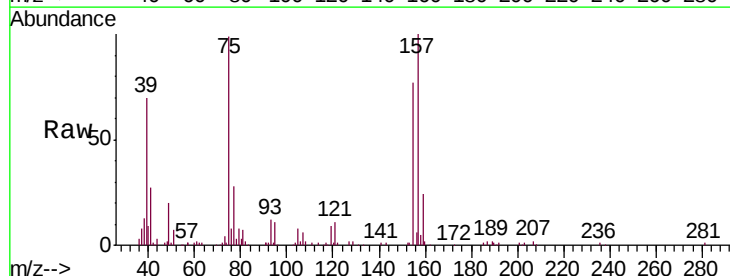
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

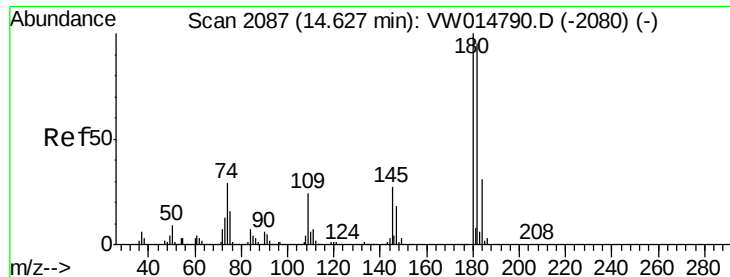
Tgt Ion: 146 Resp: 529618
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.4 50.2
 148 62.9 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.519 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Tgt Ion: 75 Resp: 36992
 Ion Ratio Lower Upper
 75 100
 157 100.8 84.9 127.3
 155 77.5 67.1 100.7

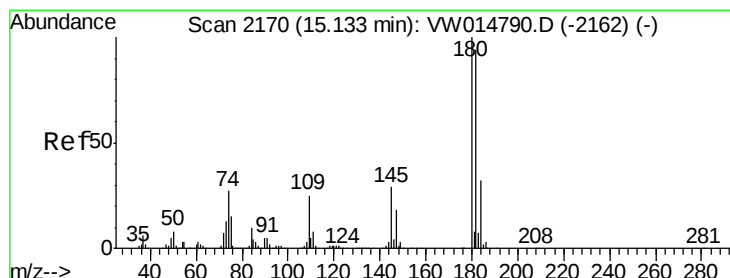
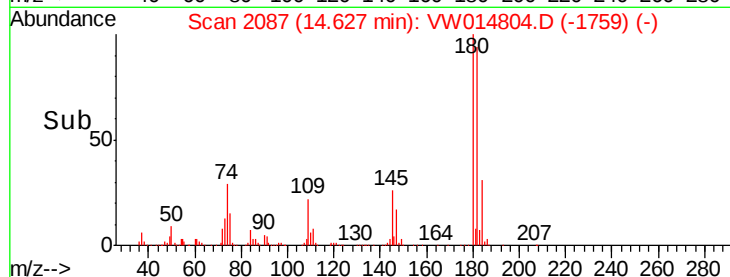
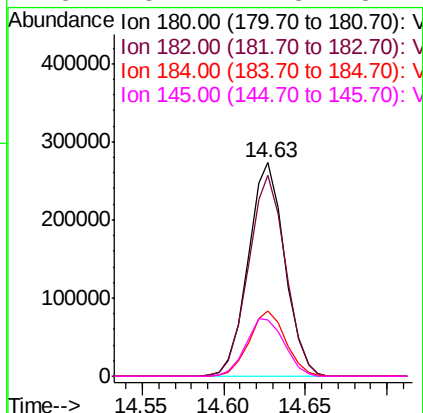
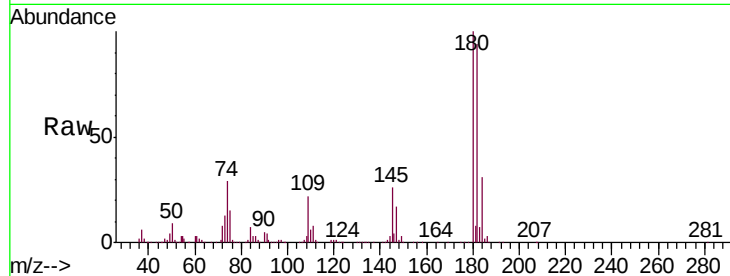




#67
 1,3,5-Trichlorobenzene
 Concen: 22.643 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

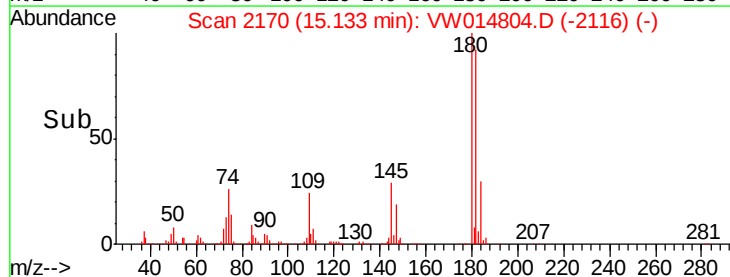
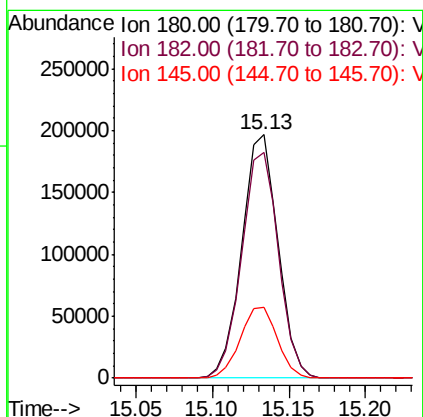
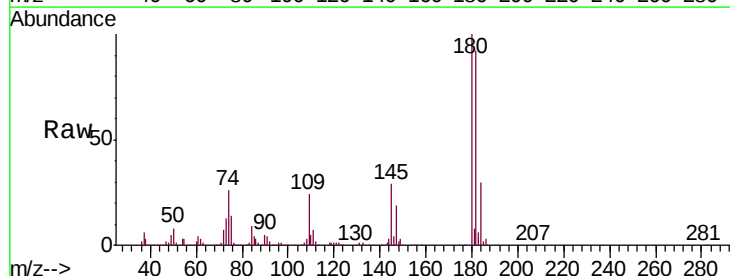
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

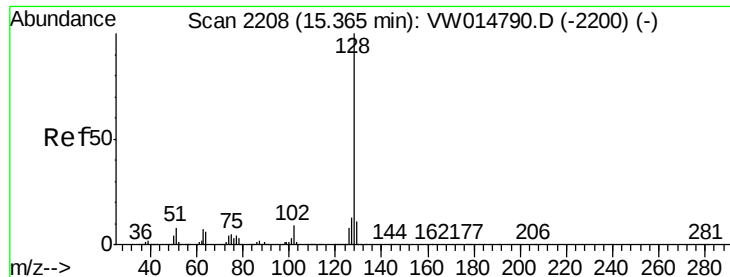
Tgt Ion:	180	Resp:	426057
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
184	30.5	24.2	36.4
145	28.2	22.8	34.2



#68
 1,2,4-trichlorobenzene
 Concen: 23.157 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014804.D
 Acq: 29 Jan 2020 19:20

Tgt Ion:	180	Resp:	323364
Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.2	115.8
145	29.7	23.3	34.9





#69

Naphthalene

Concen: 22.489 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD02529

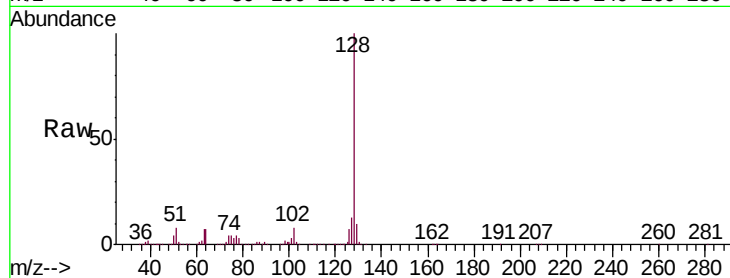
Tgt Ion:128 Resp: 567963

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

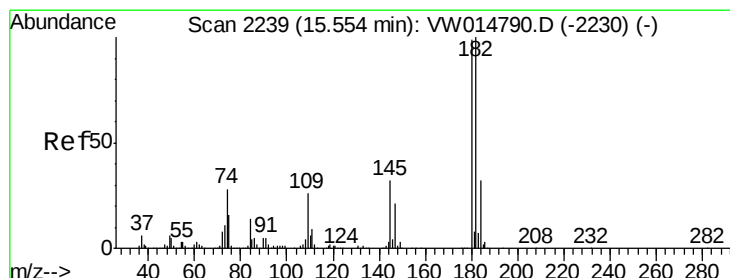
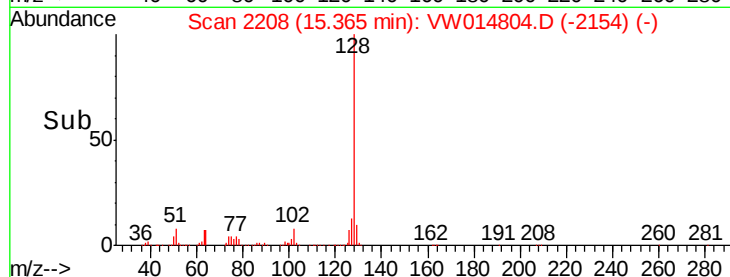
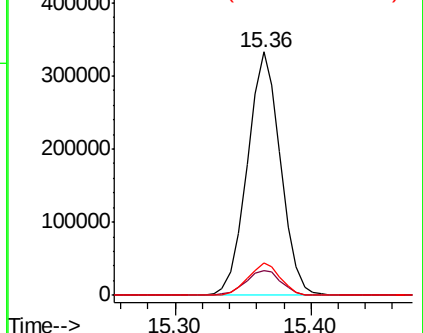
127 13.0 10.5 15.7



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: 22.727 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014804.D

Acq: 29 Jan 2020 19:20

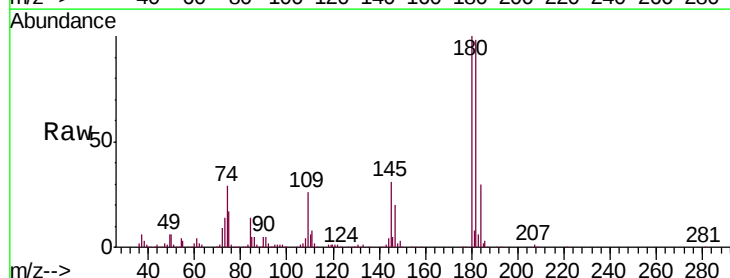
Tgt Ion:180 Resp: 290971

Ion Ratio Lower Upper

180 100

182 96.2 75.8 113.6

145 31.3 24.3 36.5



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

