

Data File : VW010291.D
Acq On : 07 May 2019 10:21
Operator : SY/VA
Sample : VSTD2.507
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Quant Time: May 08 01:51:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050719S.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 01:48:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	542332	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	500404	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222497	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	16467	2.61	ug/L	0.00
7) Chloroethane-d5	2.82	69	96	0.02	ug/L	-0.06
10) 1,1-Dichloroethene-d2	4.01	63	43115	2.74	ug/L	0.00
20) 2-Butanone-d5	7.15	46	465	0.16	ug/L	0.07
24) Chloroform-d	7.65	84	38154	2.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	22928	2.68	ug/L	0.00
29) Benzene-d6	8.27	84	70454	2.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	21577	2.60	ug/L	0.00
37) Toluene-d8	10.32	98	60521	2.50	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	9093	2.39	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6896	3.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	19109	2.42	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	19767	2.60	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	18870	2.700 ug/L	99
5) Vinyl chloride	2.37	62	21031	2.571 ug/L	98
6) Bromomethane	2.78	94	14274	2.887 ug/L	98
8) Chloroethane	2.92	64	8536	1.721 ug/L	91
9) Trichlorofluoromethane	3.26	101	14622	2.769 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	18067	2.412 ug/L #	65
12) 1,1-Dichloroethene	4.03	96	19736	2.681 ug/L	93
13) Acetone	4.12	43	14049	5.612 ug/L	79
14) Carbon disulfide	4.38	76	60040	2.665 ug/L #	94
15) Methyl Acetate	4.67	43	13273	2.471 ug/L	95
16) Methylene chloride	4.91	84	20233	2.687 ug/L	92
17) Methyl tert-butyl Ether	5.43	73	22478	2.329 ug/L #	67
18) trans-1,2-Dichloroethene	5.42	96	20070	2.643 ug/L	94
19) 1,1-Dichloroethane	6.21	63	38584	2.650 ug/L	97
21) 2-Butanone	7.18	43	14583	4.072 ug/L	82
22) cis-1,2-Dichloroethene	7.16	96	19483	2.484 ug/L	95
23) Bromochloromethane	7.51	128	9326	2.650 ug/L	96
25) Chloroform	7.67	83	37770	2.627 ug/L	98
27) 1,2-Dichloroethane	8.40	62	27383	2.595 ug/L	97
30) Cyclohexane	7.96	56	28227	2.182 ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	30538	2.680 ug/L	98
32) Carbon tetrachloride	8.07	117	29176	2.576 ug/L	100
34) Benzene	8.32	78	76725	2.498 ug/L	100
35) Trichloroethene	9.09	95	21108	2.601 ug/L	98
36) Methylcyclohexane	9.34	83	31058	2.266 ug/L	97
40) 1,2-Dichloropropane	9.37	63	20169	2.573 ug/L #	97
41) Bromodichloromethane	9.65	83	25303	2.495 ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	26983	2.301 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	29273	4.193 ug/L	95
44) Toluene	10.39	91	76541	2.379 ug/L	93

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QLast Update : Wed May 08 01:48:21 2019
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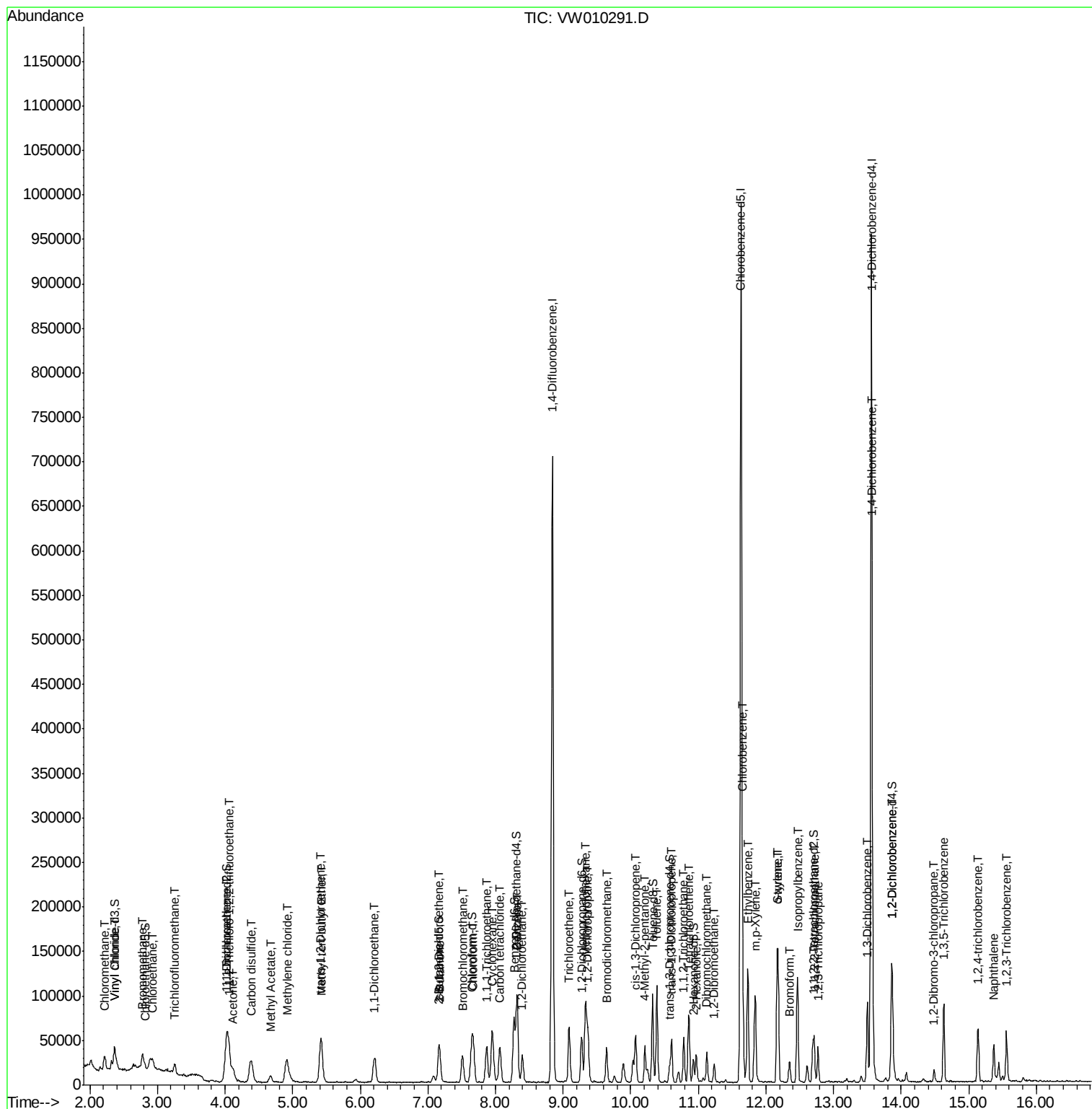
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	22717	2.246	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	15018	2.565	ug/L	97
47) Tetrachloroethene	10.86	164	15496	2.525	ug/L	89
49) 2-Hexanone	10.97	43	20999	3.966	ug/L	95
50) Dibromochloromethane	11.13	129	16111	2.392	ug/L	100
51) 1,2-Dibromoethane	11.24	107	14265	2.474	ug/L	96
52) Chlorobenzene	11.66	112	51192	2.548	ug/L	95
53) Ethylbenzene	11.73	91	82494	2.298	ug/L	100
54) m,p-Xylene	11.84	106	28770	2.203	ug/L	94
55) o-xylene	12.16	106	26327	2.165	ug/L	94
56) Styrene	12.18	104	44224	2.108	ug/L	95
57) Isopropylbenzene	12.47	105	70136	2.099	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	19579	2.433	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	15130	2.450	ug/L	94
62) Bromoform	12.35	173	9426	2.463	ug/L #	94
63) 1,3-Dichlorobenzene	13.50	146	32664	2.466	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	37982	2.647	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	32397	2.542	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	3916	2.578	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	23819	2.400	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	17376	2.213	ug/L	98
69) Naphthalene	15.37	128	33566	1.895	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	17376	2.303	ug/L	97

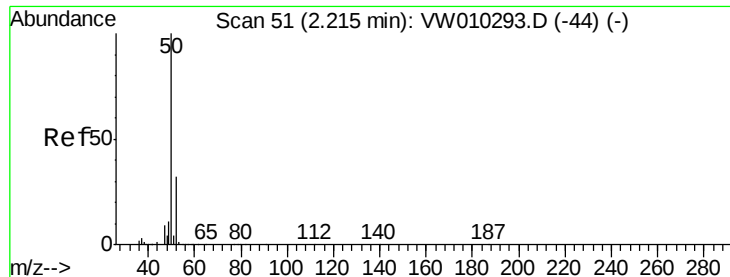
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#3

Chloromethane

Concen: 2.700 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

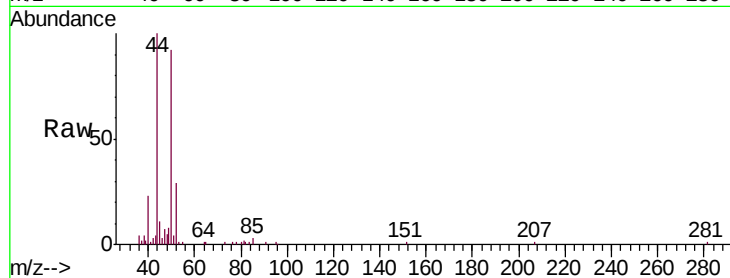
VSTD2.504

Tgt Ion: 50 Resp: 18870

Ion Ratio Lower Upper

50 100

52 31.5 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

10000

8000

6000

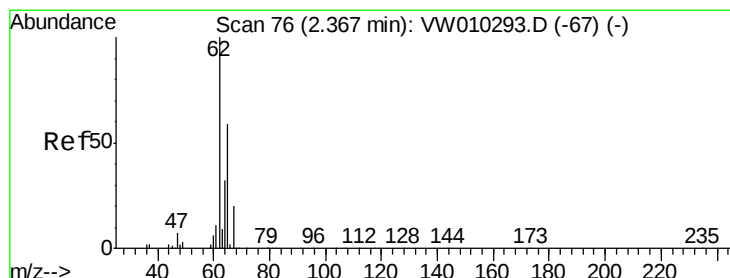
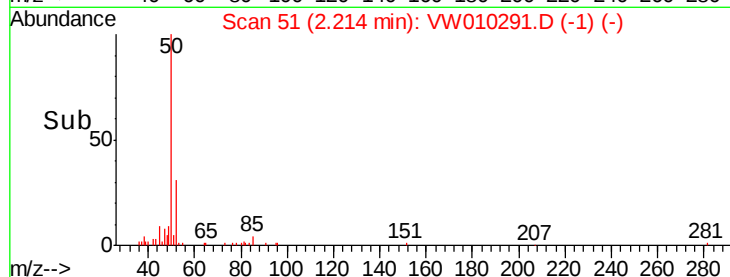
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#5

Vinyl chloride

Concen: 2.571 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010291.D

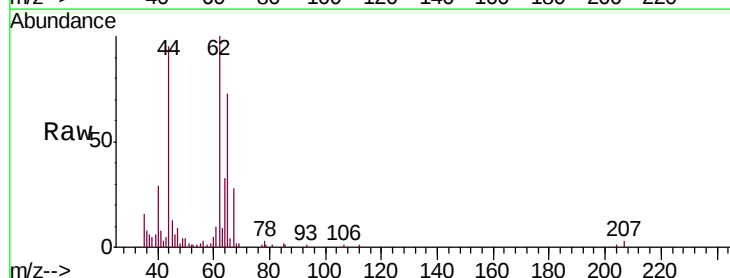
Acq: 07 May 2019 10:21

Tgt Ion: 62 Resp: 21031

Ion Ratio Lower Upper

62 100

64 33.0 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

10000

8000

6000

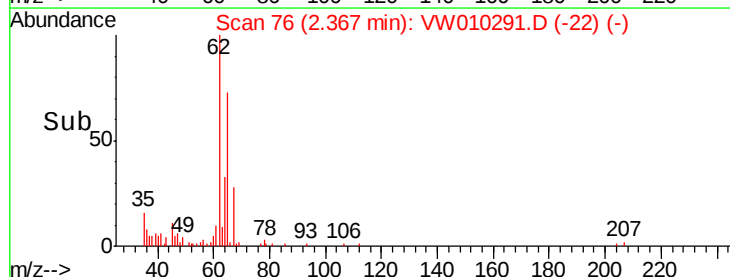
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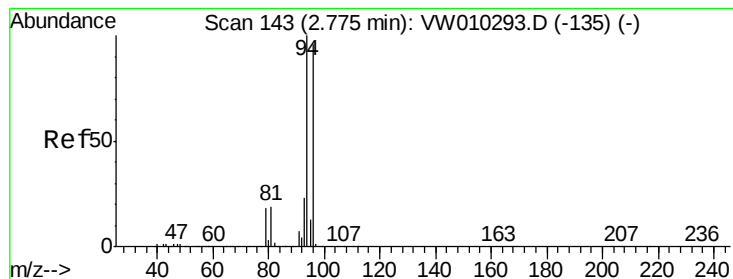
2000

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Time-->

2.30 2.35 2.40 2.45





#6

Bromomethane

Concen: 2.887 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

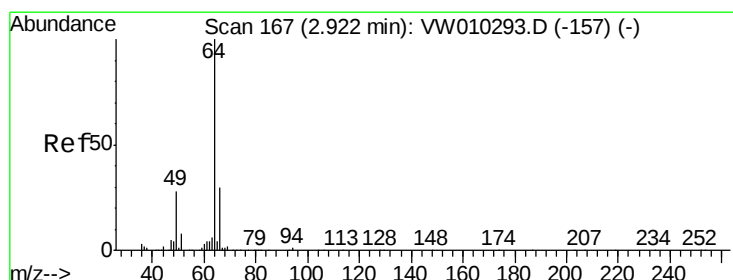
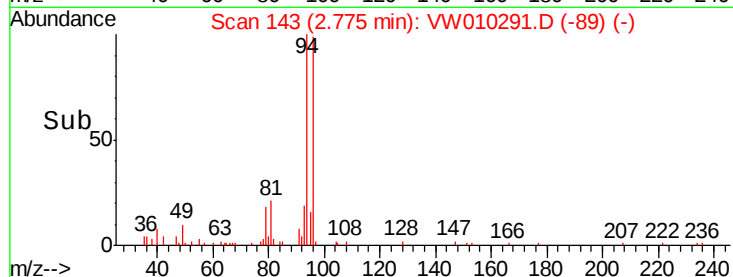
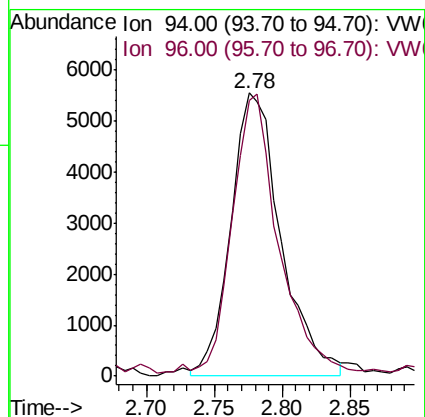
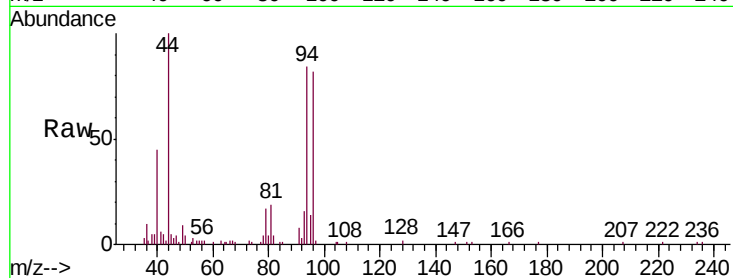
VSTD2.504

Tgt Ion: 94 Resp: 14274

Ion Ratio Lower Upper

94 100

96 91.2 9.3 177.1



#8

Chloroethane

Concen: 1.721 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010291.D

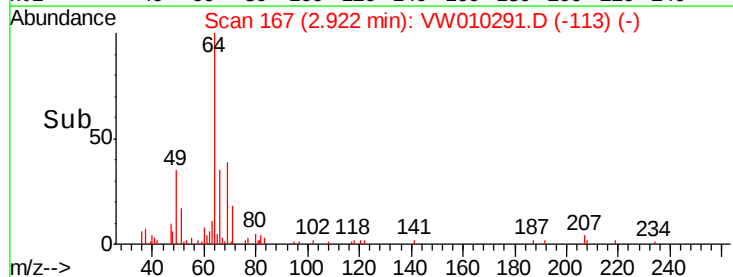
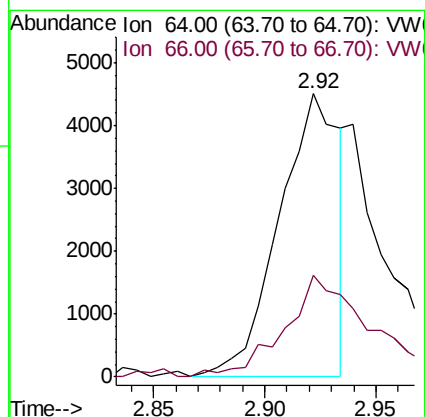
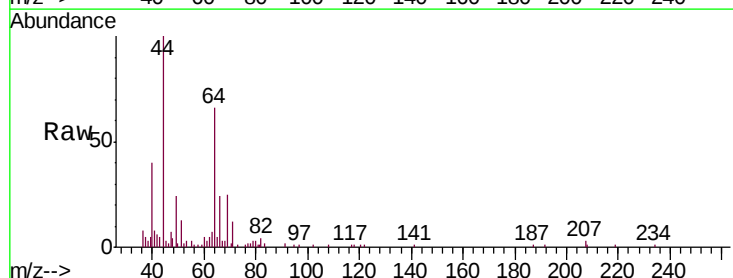
Acq: 07 May 2019 10:21

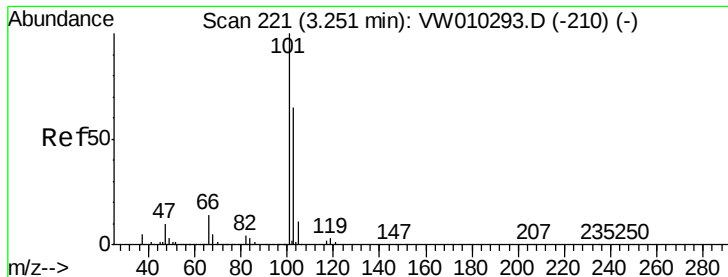
Tgt Ion: 64 Resp: 8536

Ion Ratio Lower Upper

64 100

66 35.8 21.5 39.9



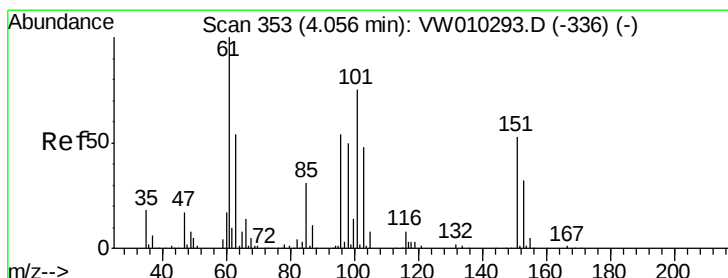
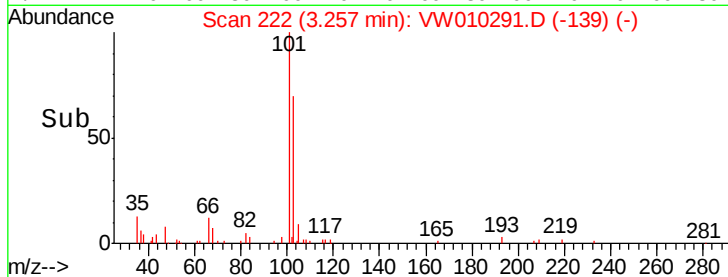
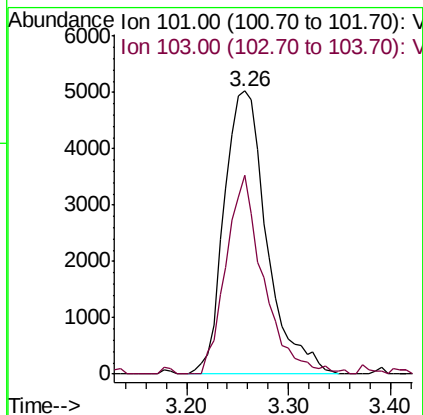
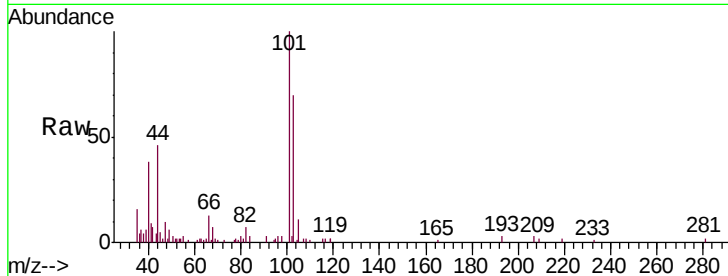


#9

Trichlorofluoromethane
 Concen: 2.769 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

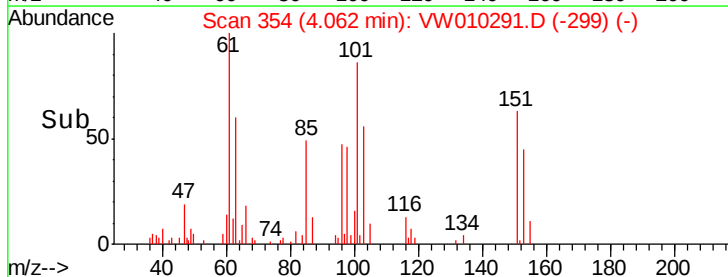
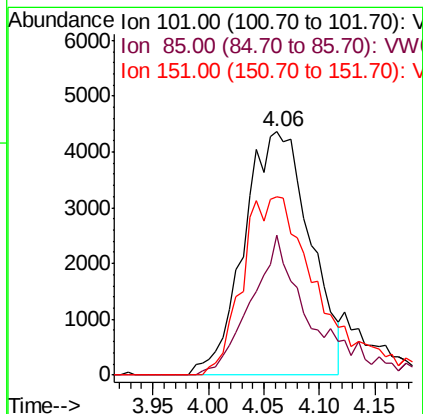
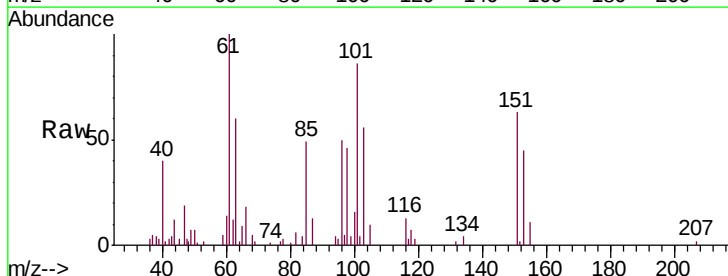
Tgt Ion:101 Resp: 14622
 Ion Ratio Lower Upper
 101 100
 103 61.0 45.1 83.7

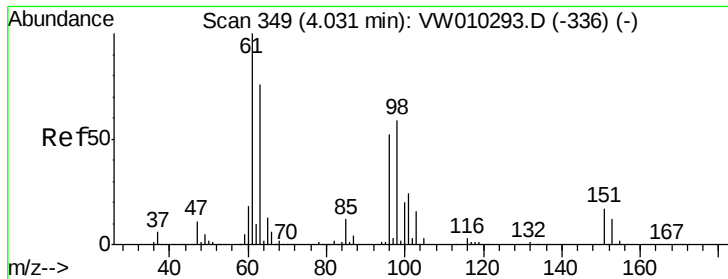


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.412 ug/L
 RT: 4.06 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

Tgt Ion:101 Resp: 18067
 Ion Ratio Lower Upper
 101 100
 85 42.2 33.7 50.5
 151 27.0 58.7 88.1#





#12

1,1-Dichloroethene

Concen: 2.681 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

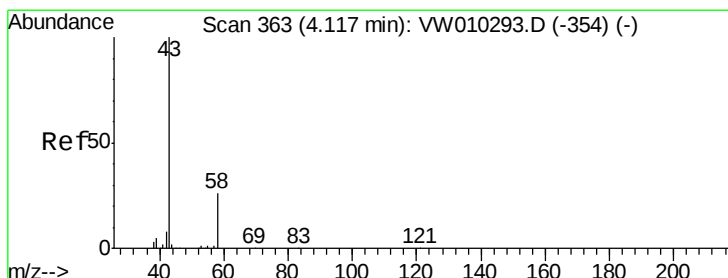
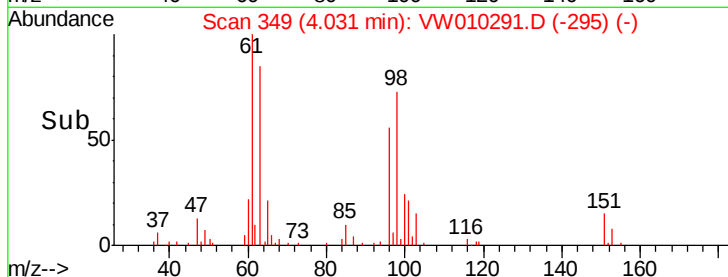
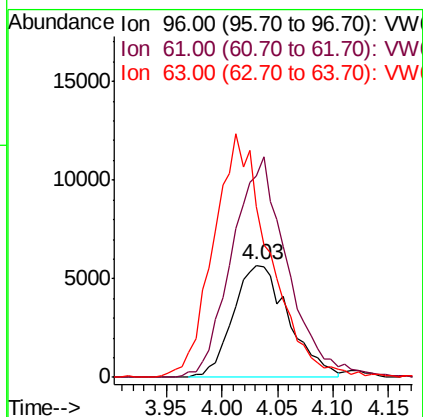
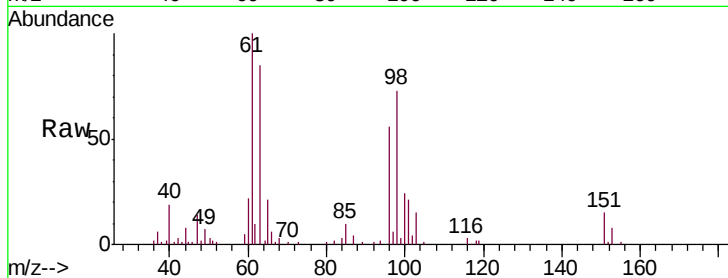
Tgt Ion: 96 Resp: 19736

Ion Ratio Lower Upper

96 100

61 179.3 135.1 250.9

63 152.4 103.1 191.5



#13

Acetone

Concen: 5.612 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010291.D

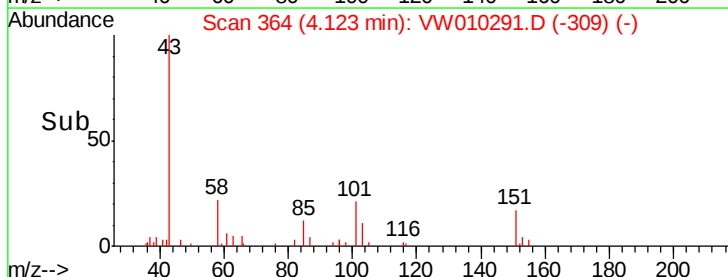
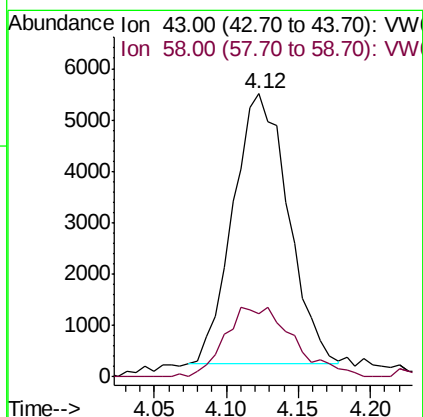
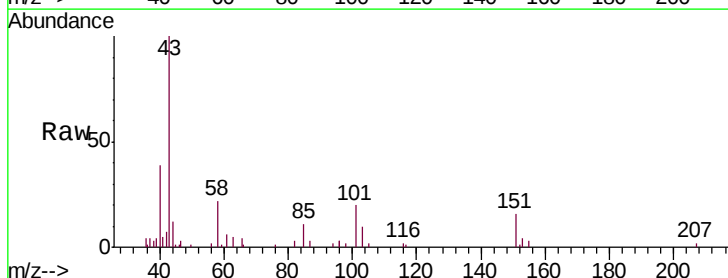
Acq: 07 May 2019 10:21

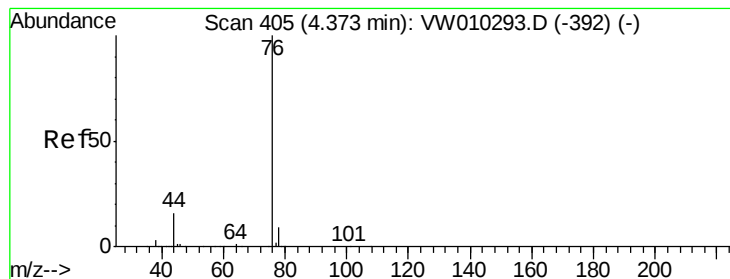
Tgt Ion: 43 Resp: 14049

Ion Ratio Lower Upper

43 100

58 16.7 0.0 55.2





#14

Carbon disulfide

Concen: 2.665 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

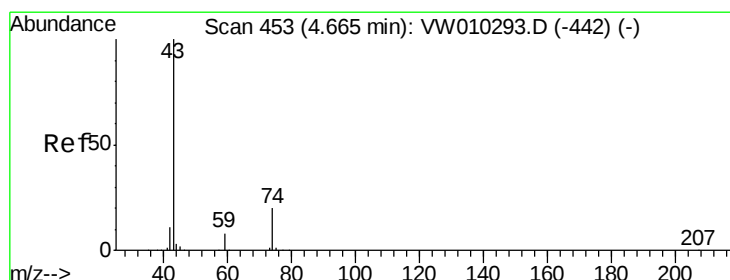
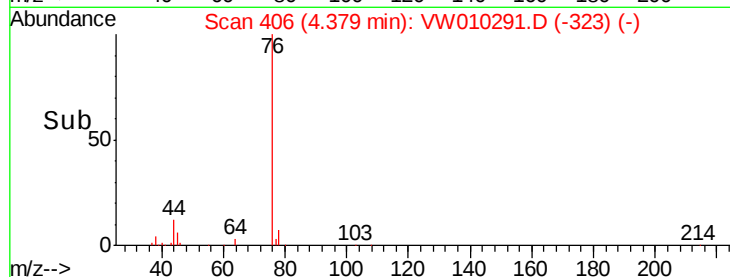
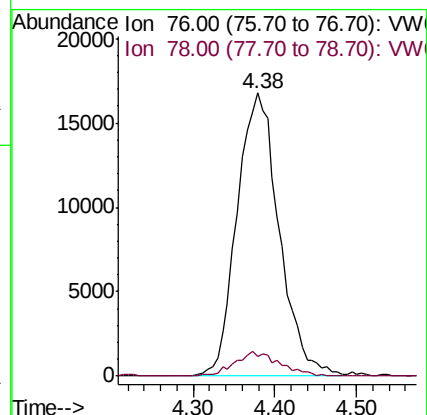
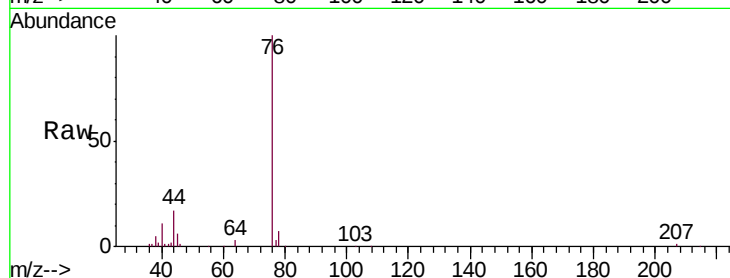
VSTD2.504

Tgt Ion: 76 Resp: 60040

Ion Ratio Lower Upper

76 100

78 7.2 7.5 11.3#



#15

Methyl Acetate

Concen: 2.471 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010291.D

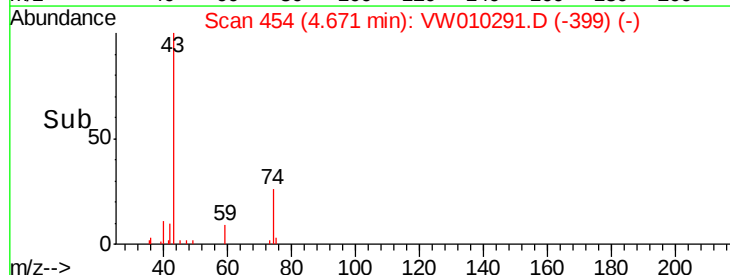
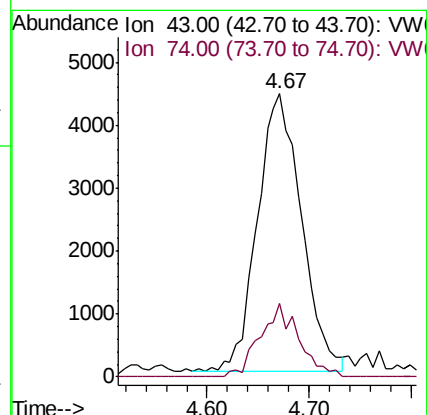
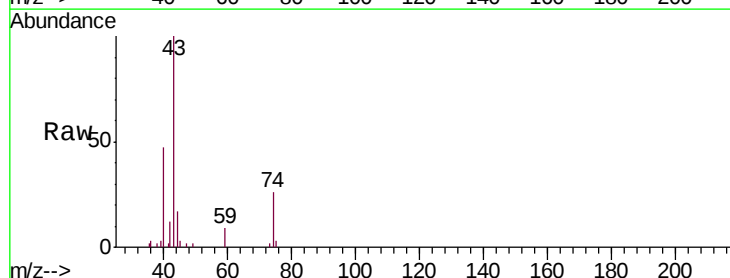
Acq: 07 May 2019 10:21

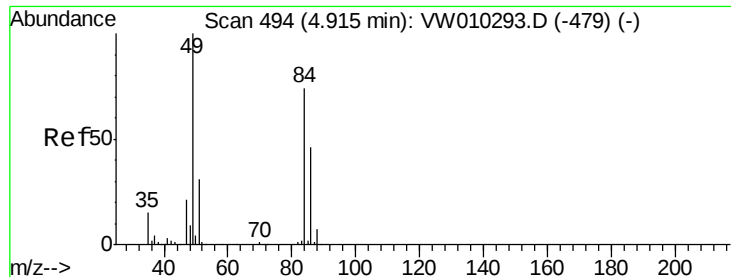
Tgt Ion: 43 Resp: 13273

Ion Ratio Lower Upper

43 100

74 22.3 16.1 24.1

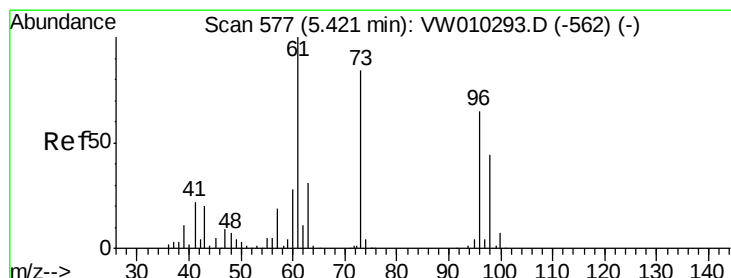
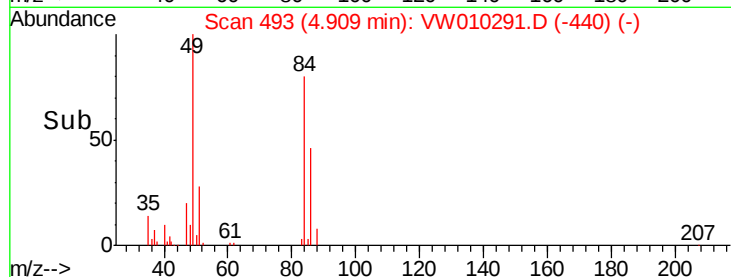
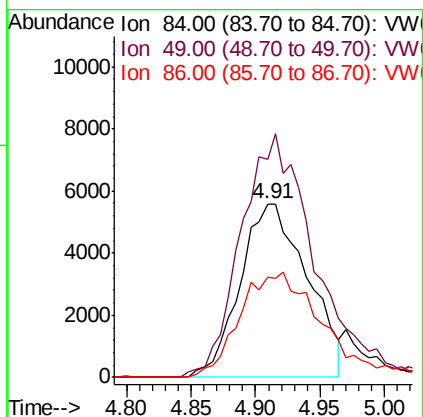
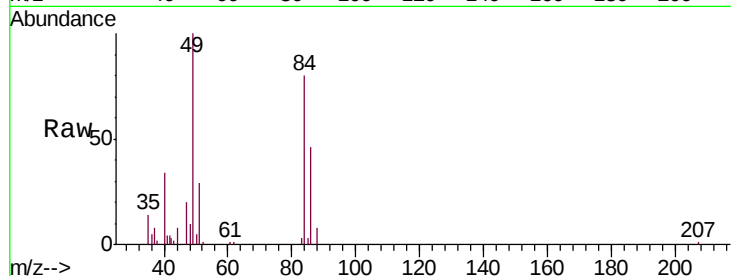




#16
Methylene chloride
Concen: 2.687 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

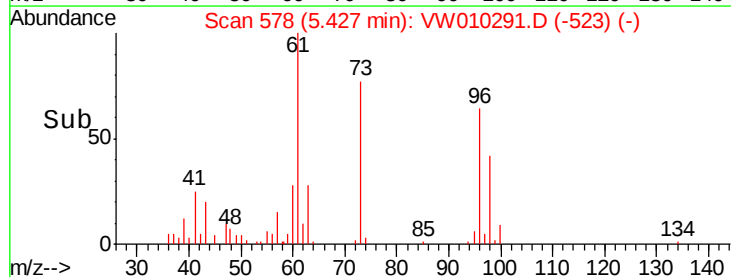
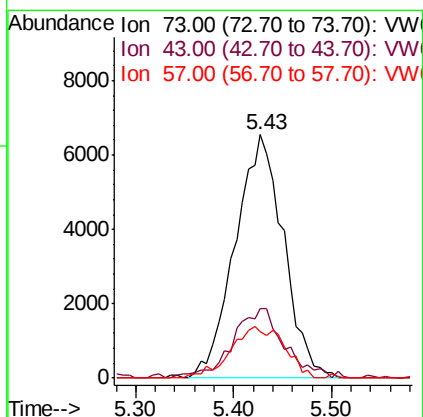
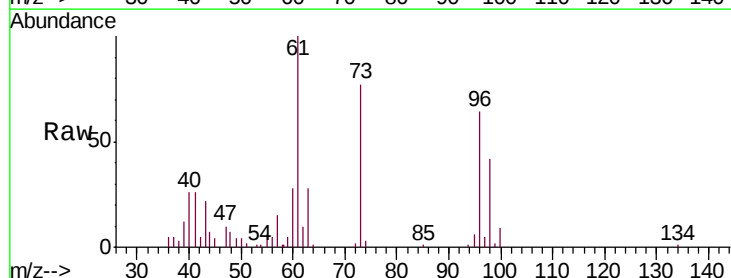
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

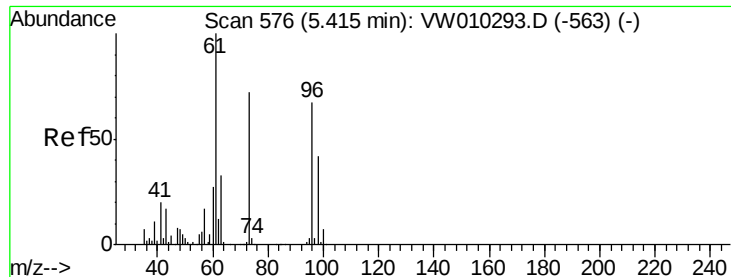
Tgt Ion: 84 Resp: 20233
Ion Ratio Lower Upper
84 100
49 125.3 94.4 175.4
86 57.7 43.8 81.4



#17
Methyl tert-butyl Ether
Concen: 2.329 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

Tgt Ion: 73 Resp: 22478
Ion Ratio Lower Upper
73 100
43 14.9 19.5 29.3#
57 0.0 18.9 28.3#

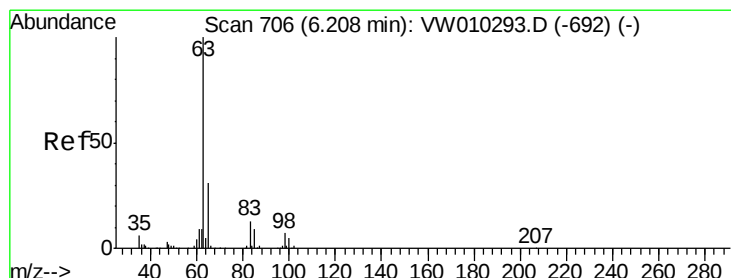
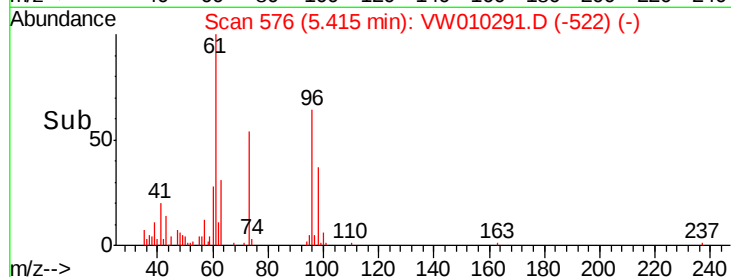
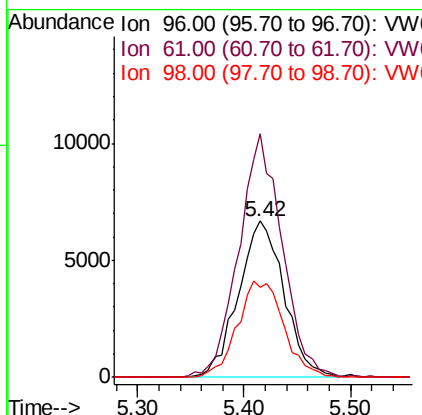
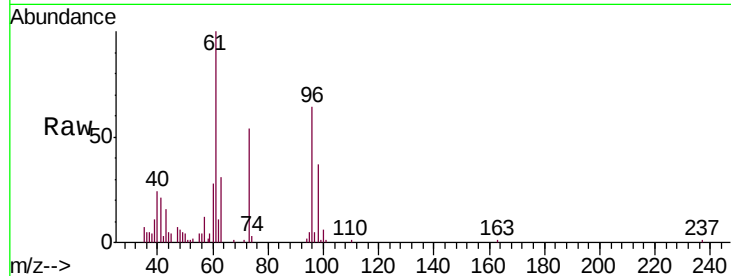




#18
 trans-1,2-Dichloroethene
 Concen: 2.643 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

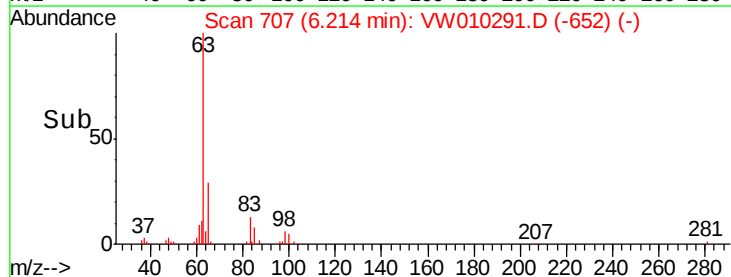
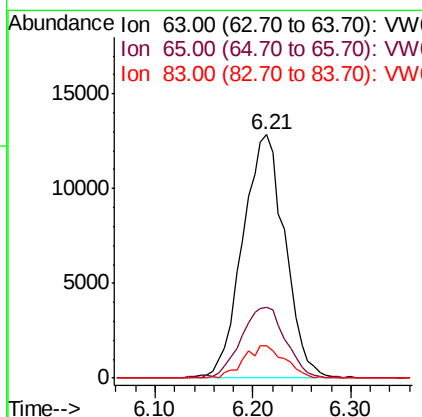
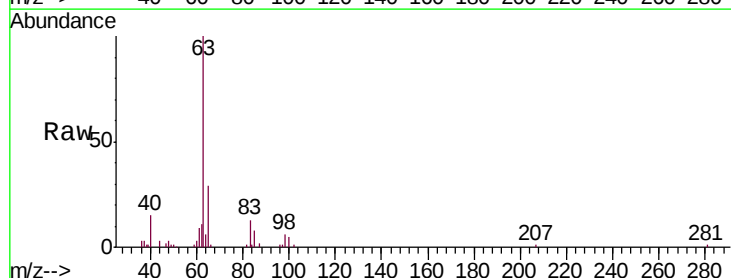
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.504

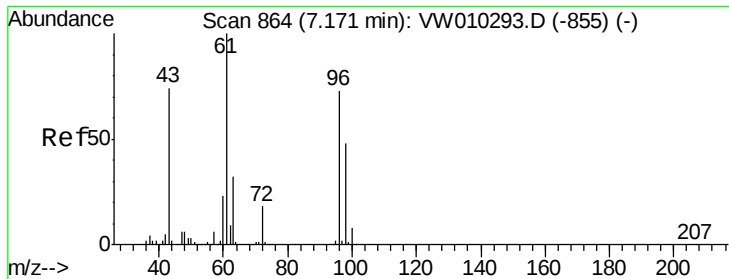
Tgt Ion: 96 Resp: 20070
 Ion Ratio Lower Upper
 96 100
 61 156.0 103.7 192.7
 98 57.3 43.6 81.0



#19
 1,1-Dichloroethane
 Concen: 2.650 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

Tgt Ion: 63 Resp: 38584
 Ion Ratio Lower Upper
 63 100
 65 29.1 21.8 40.4
 83 13.3 9.2 17.2





#21

2-Butanone

Concen: 4.072 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

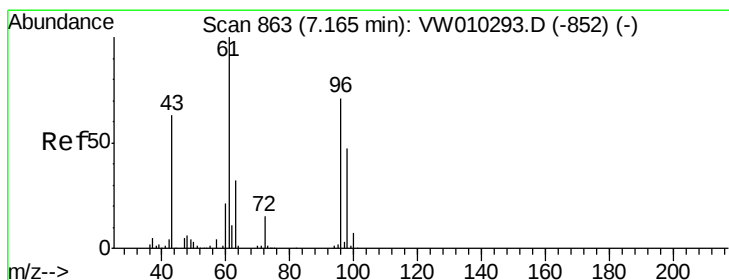
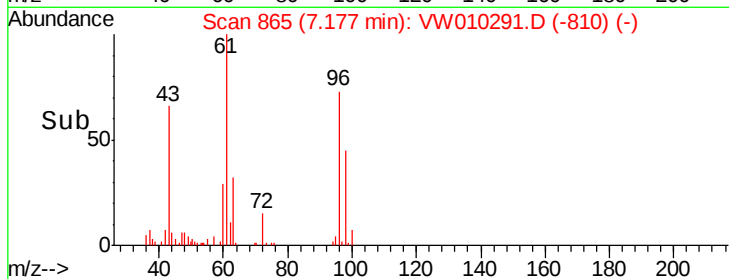
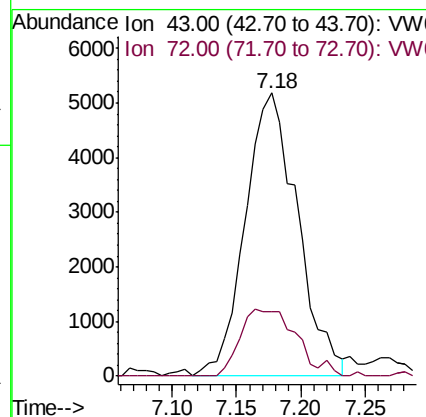
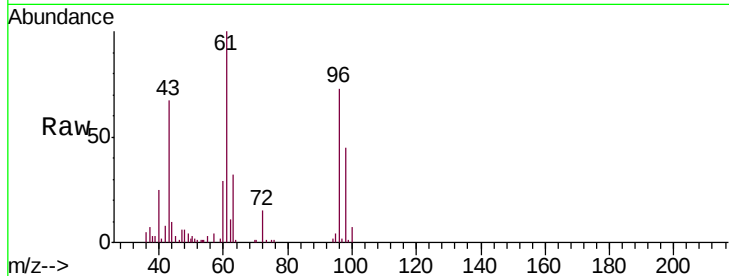
VSTD2.504

Tgt Ion: 43 Resp: 14583

Ion Ratio Lower Upper

43 100

72 14.8 11.7 35.1



#22

cis-1,2-Dichloroethene

Concen: 2.484 ug/L

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

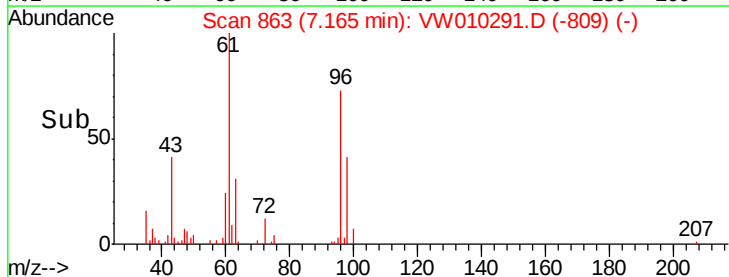
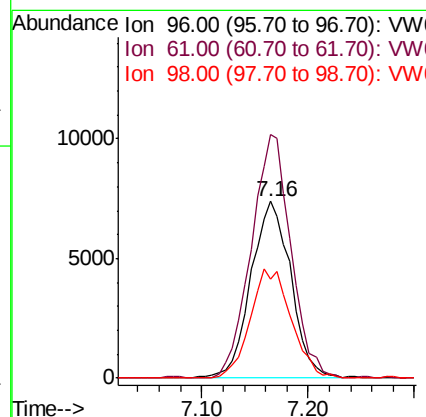
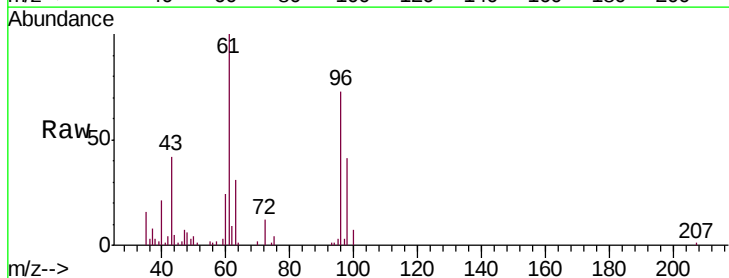
Tgt Ion: 96 Resp: 19483

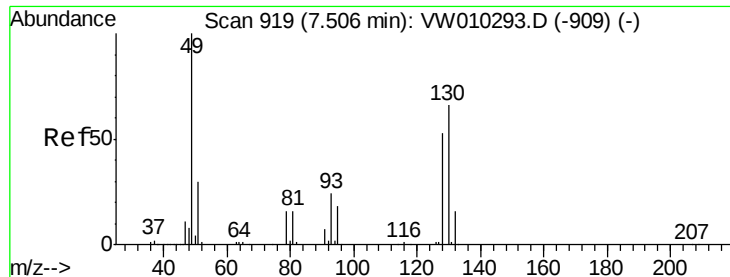
Ion Ratio Lower Upper

96 100

61 137.6 98.2 182.4

98 56.2 45.8 85.2

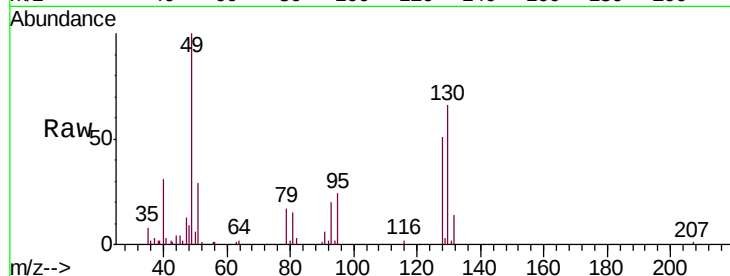




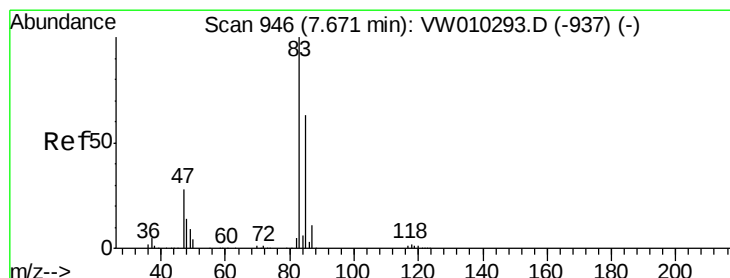
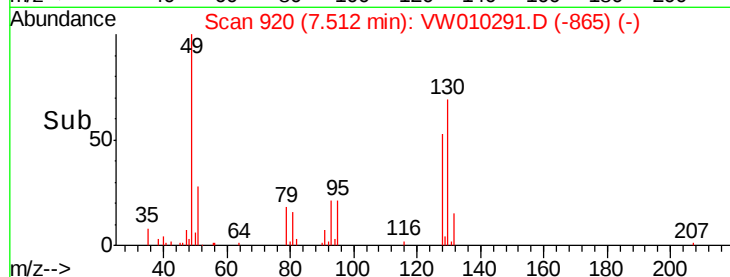
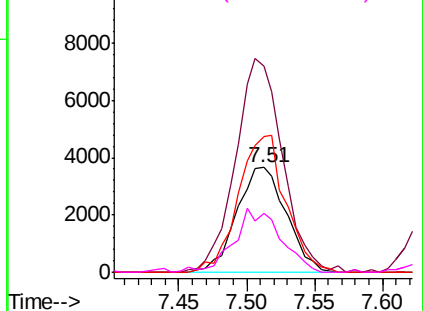
#23
Bromochloromethane
Concen: 2.650 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

Tgt Ion:128 Resp: 9326
Ion Ratio Lower Upper
128 100
49 196.0 132.5 246.1
130 129.9 86.7 161.1
51 56.2 45.9 68.9

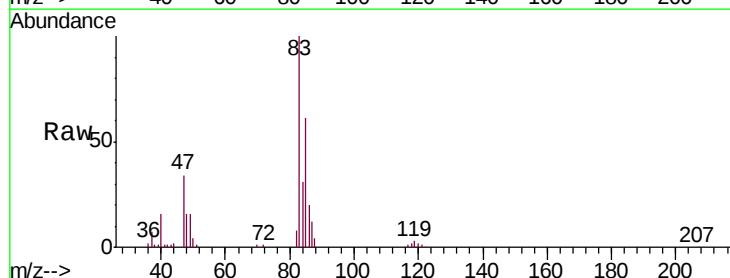


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

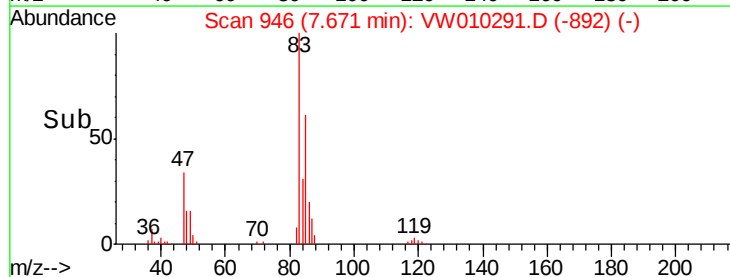
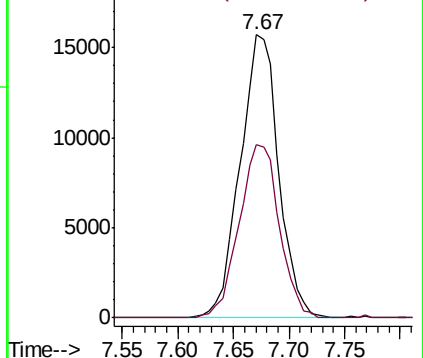


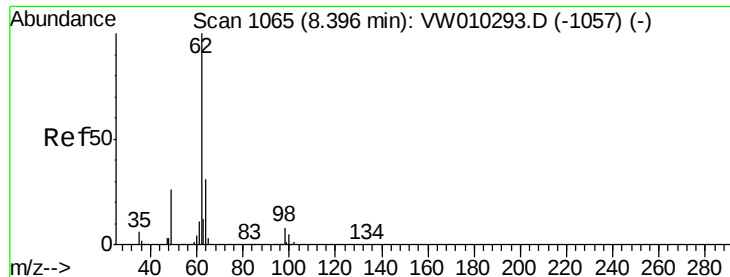
#25
Chloroform
Concen: 2.627 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

Tgt Ion: 83 Resp: 37770
Ion Ratio Lower Upper
83 100
85 64.0 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW

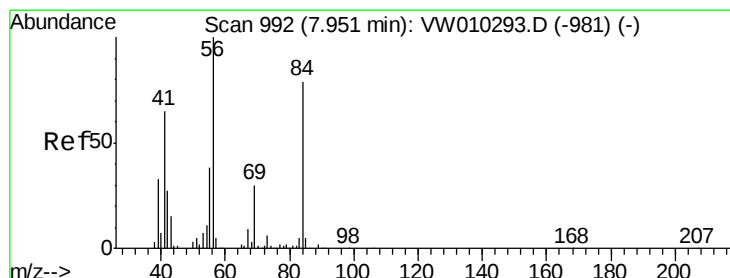
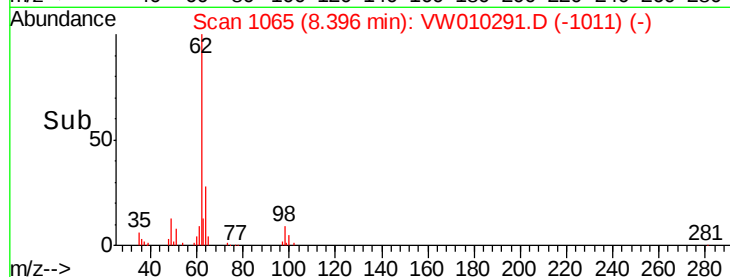
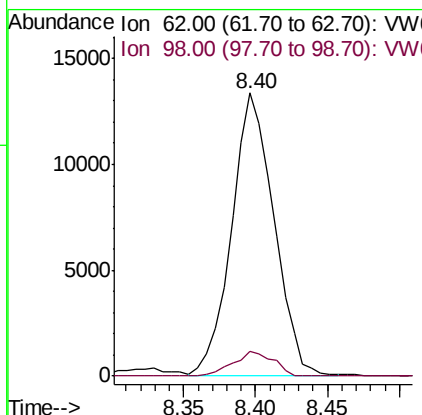
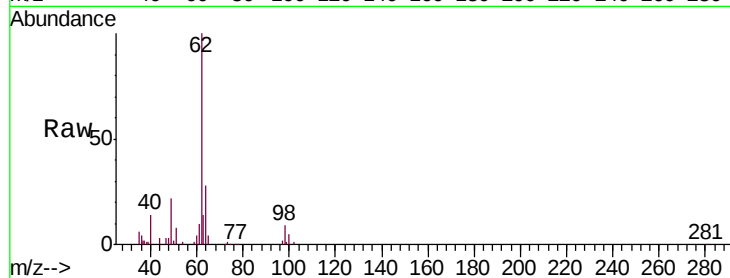




#27
 1,2-Dichloroethane
 Concen: 2.595 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

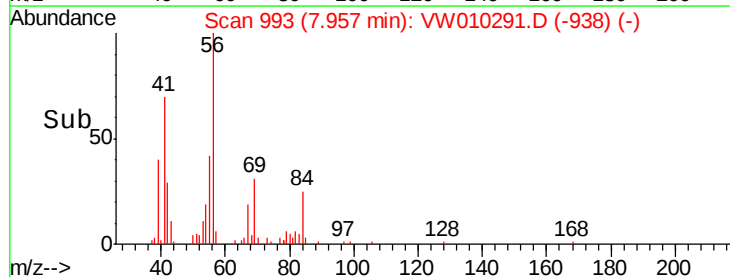
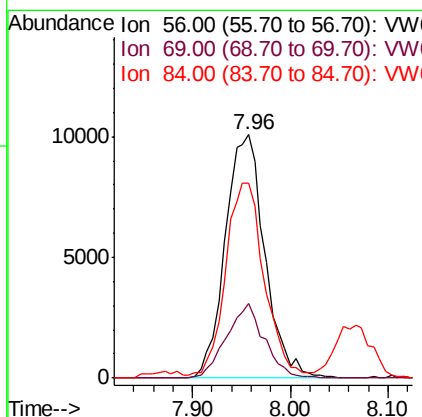
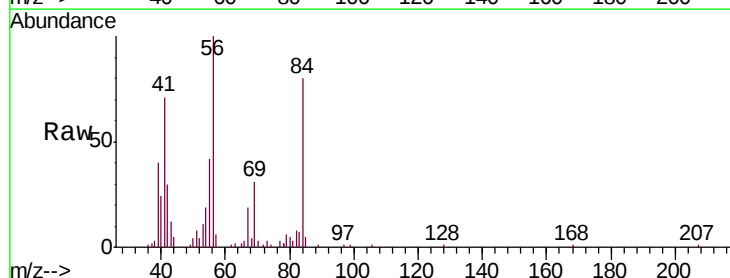
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

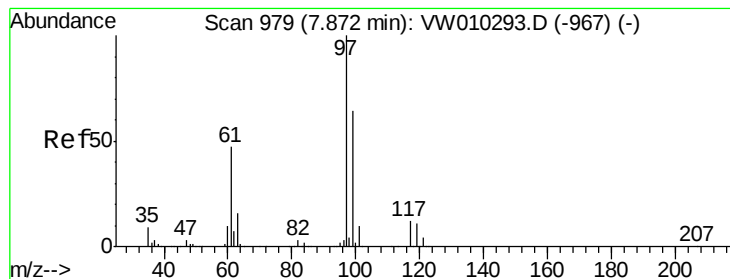
Tgt Ion: 62 Resp: 27383
 Ion Ratio Lower Upper
 62 100
 98 8.7 6.2 9.4



#30
 Cyclohexane
 Concen: 2.182 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

Tgt Ion: 56 Resp: 28227
 Ion Ratio Lower Upper
 56 100
 69 29.1 23.6 35.4
 84 77.8 65.8 98.8





#31

1,1,1-Trichloroethane

Concen: 2.680 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

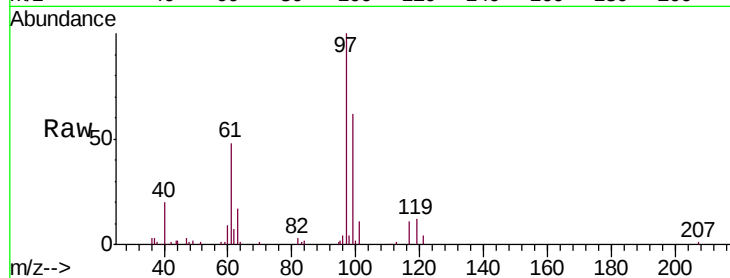
Tgt Ion: 97 Resp: 30538

Ion Ratio Lower Upper

97 100

99 66.6 51.8 77.6

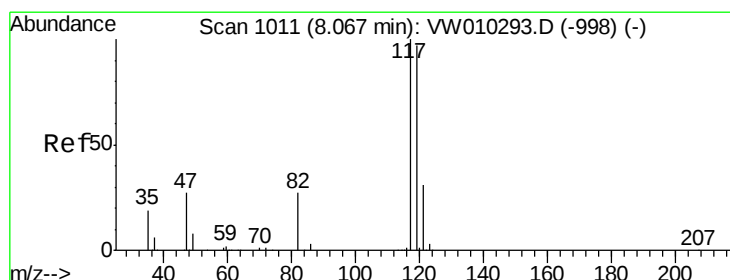
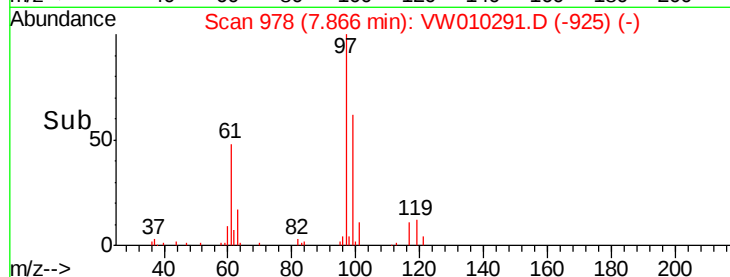
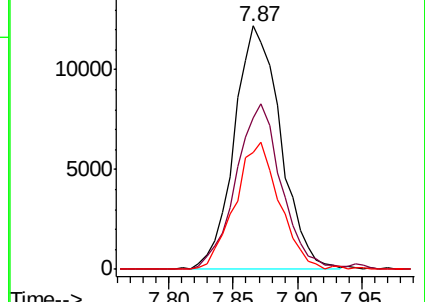
61 49.8 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW



#32

Carbon tetrachloride

Concen: 2.576 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010291.D

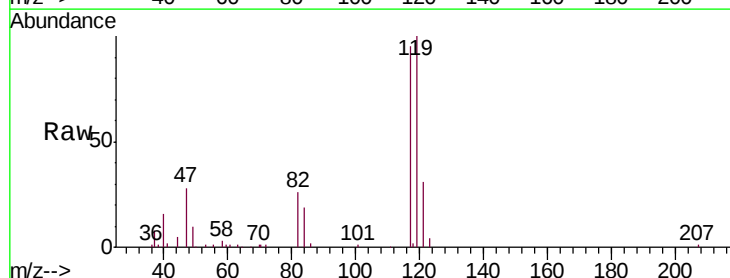
Acq: 07 May 2019 10:21

Tgt Ion: 117 Resp: 29176

Ion Ratio Lower Upper

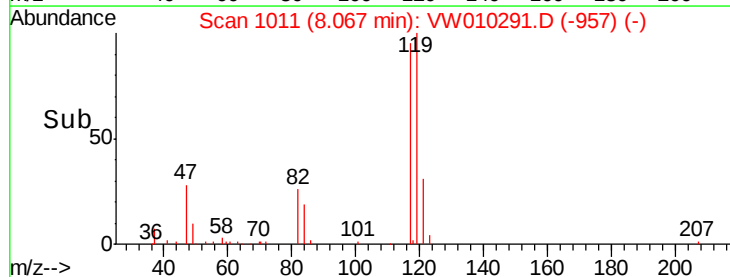
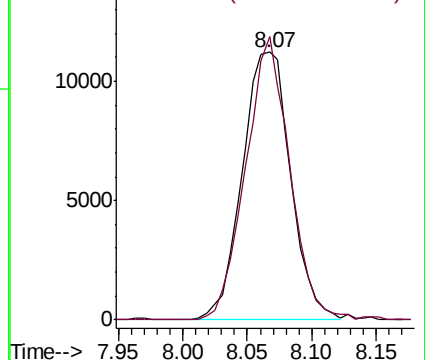
117 100

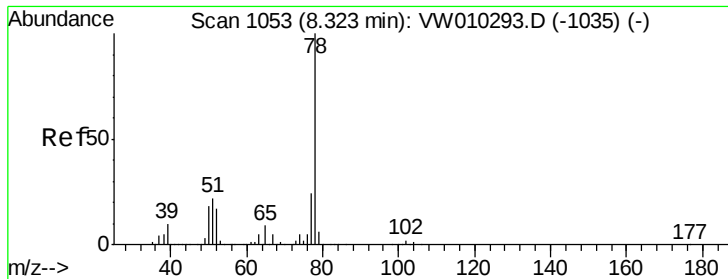
119 95.9 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.498 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

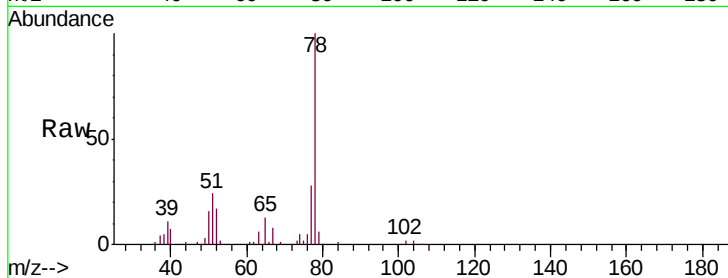
Instrument :

MSVOA_W

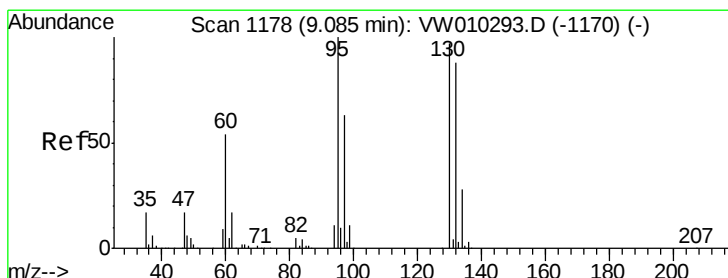
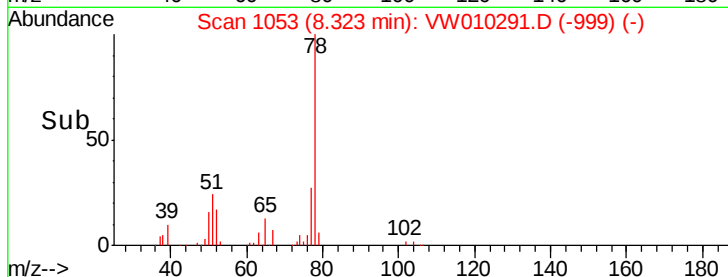
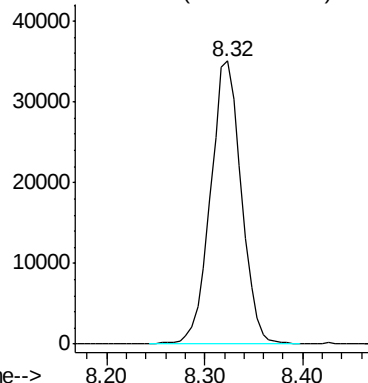
ClientSampleId :

VSTD2.504

Tgt Ion: 78 Resp: 76725



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.601 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Tgt Ion: 95 Resp: 21108

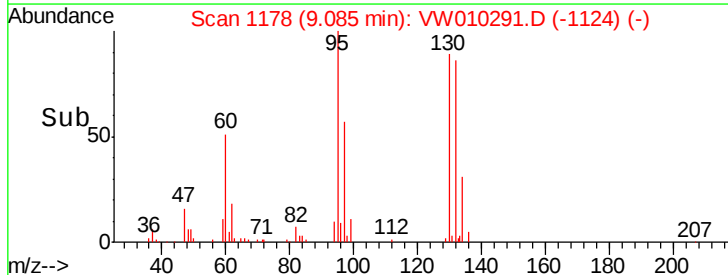
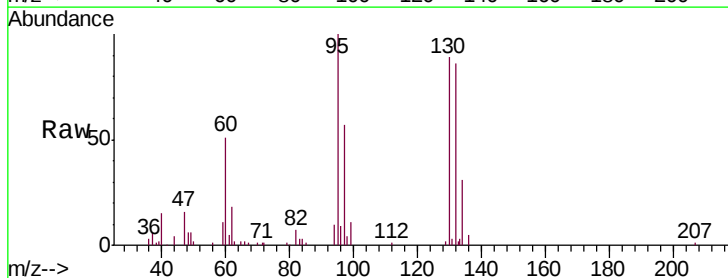
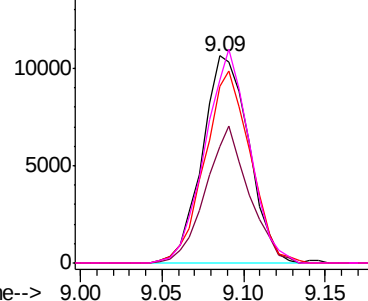
Ion	Ratio	Lower	Upper
95	100		
97	61.6	44.8	83.2
132	90.9	64.7	120.1
130	98.0	68.3	126.9

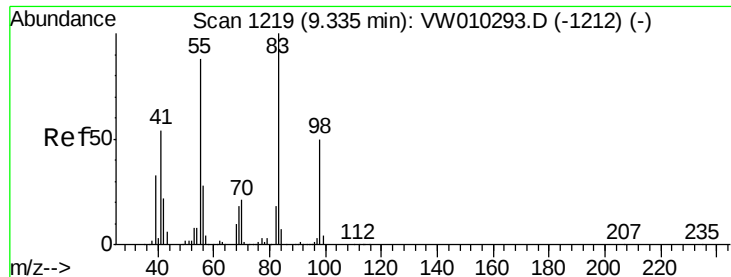
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

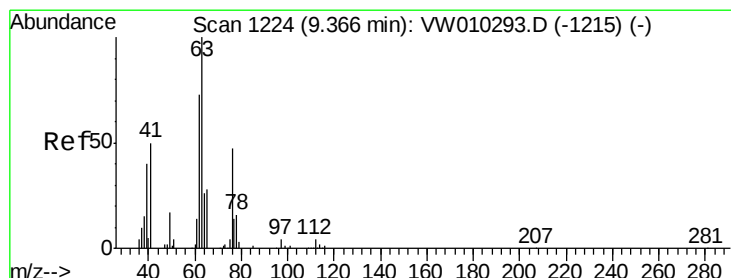
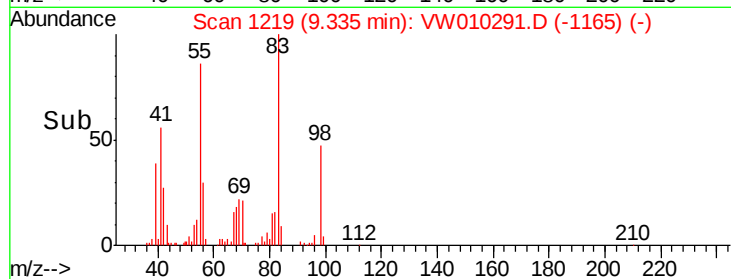
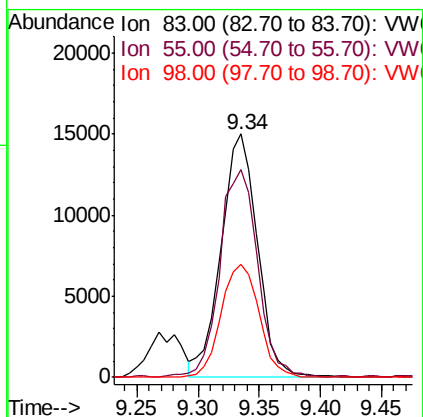
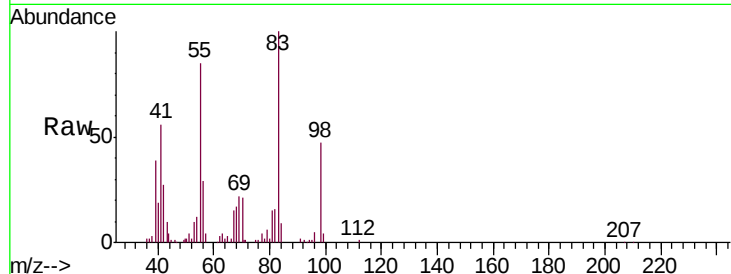




#36
Methylcyclohexane
Concen: 2.266 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

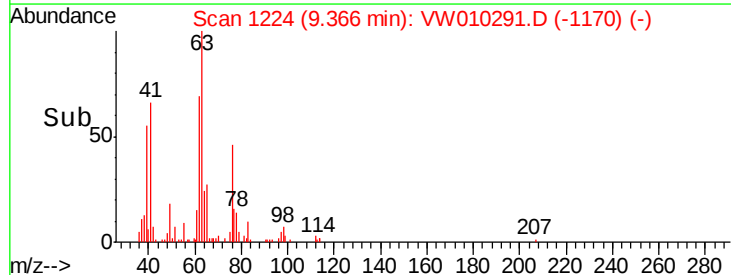
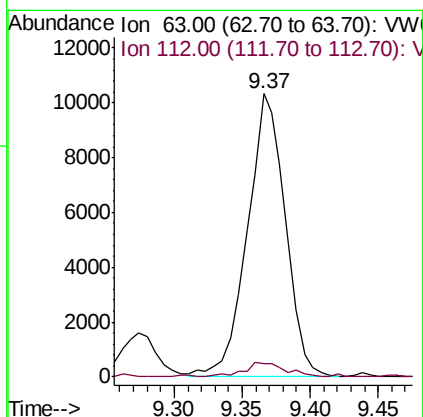
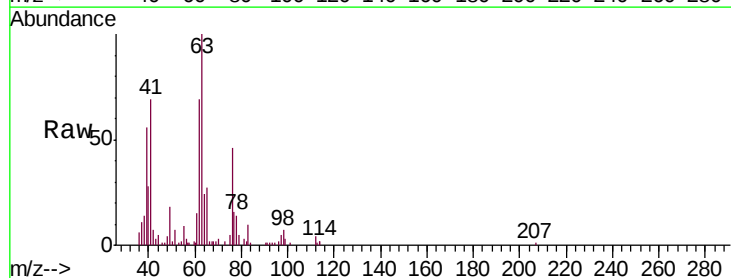
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

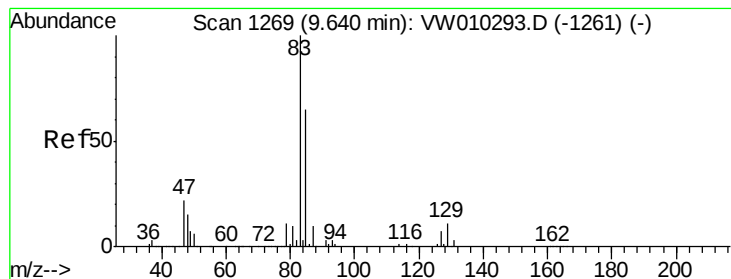
Tgt Ion: 83 Resp: 31058
Ion Ratio Lower Upper
83 100
55 88.4 67.2 100.8
98 48.3 38.7 58.1



#40
1,2-Dichloropropane
Concen: 2.573 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

Tgt Ion: 63 Resp: 20169
Ion Ratio Lower Upper
63 100
112 5.1 3.2 4.8#





#41

Bromodichloromethane

Concen: 2.495 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

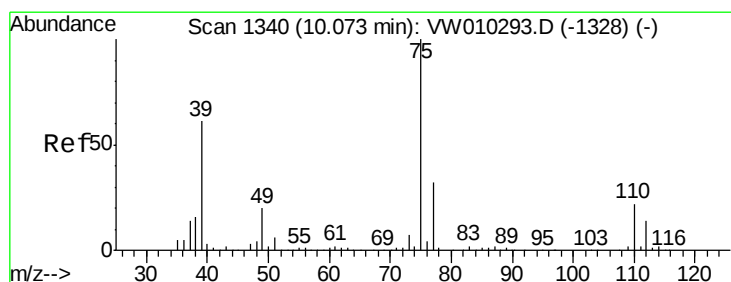
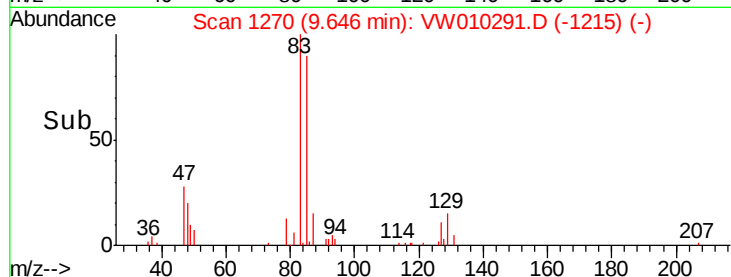
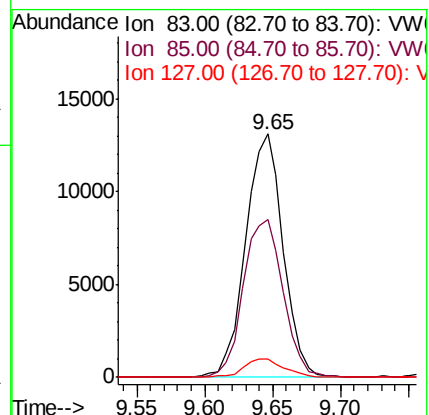
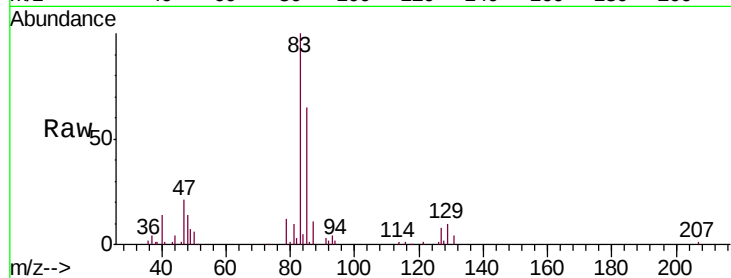
Tgt Ion: 83 Resp: 25303

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5

127 7.7 5.6 8.4



#42

cis-1,3-Dichloropropene

Concen: 2.301 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010291.D

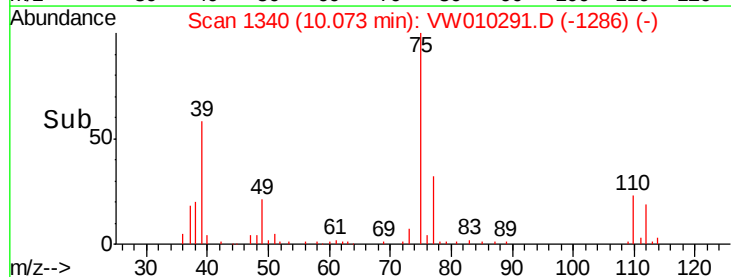
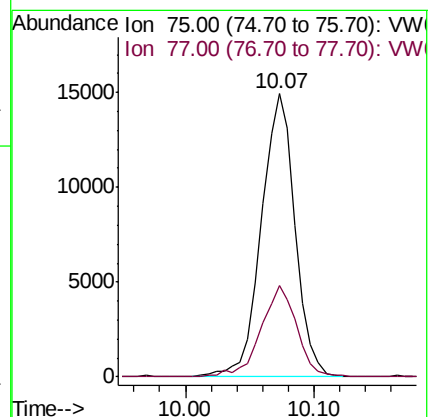
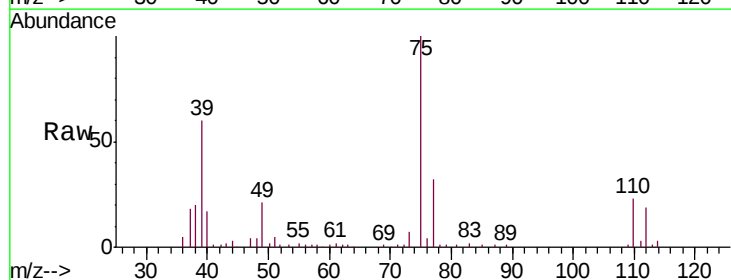
Acq: 07 May 2019 10:21

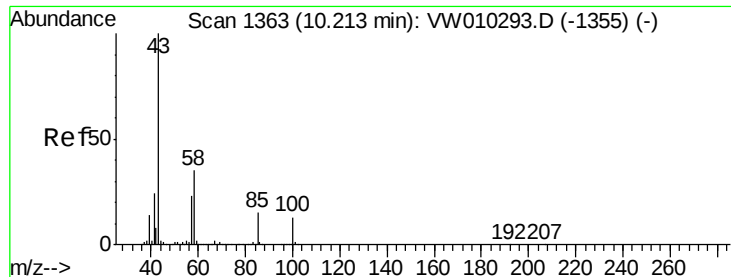
Tgt Ion: 75 Resp: 26983

Ion Ratio Lower Upper

75 100

77 32.5 22.5 41.7





#43

4-Methyl-2-pentanone

Concen: 4.193 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

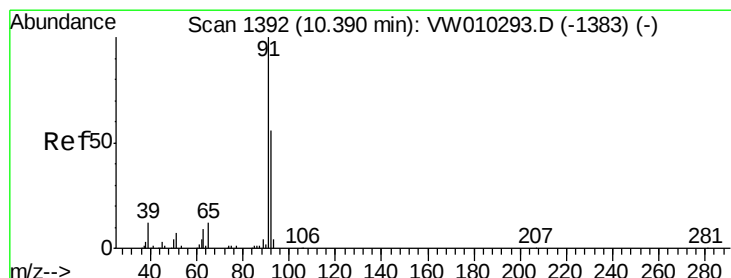
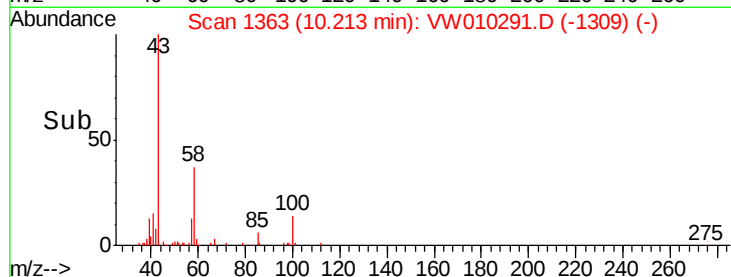
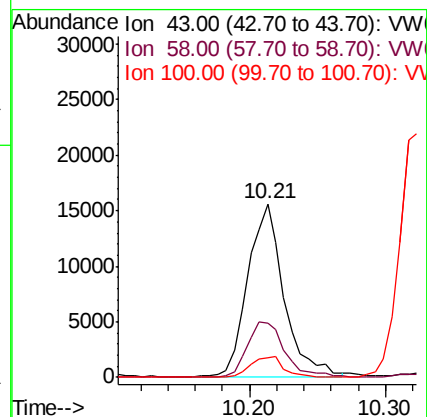
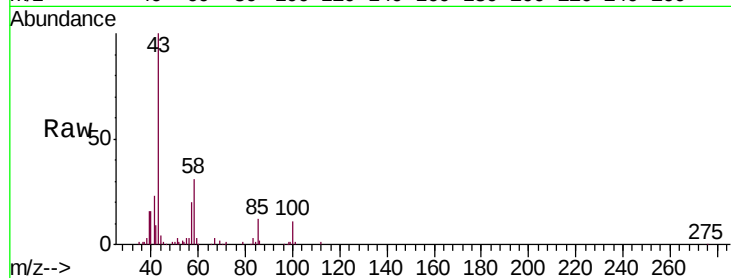
Tgt Ion: 43 Resp: 29273

Ion Ratio Lower Upper

43 100

58 32.9 28.3 42.5

100 11.1 10.5 15.7



#44

Toluene

Concen: 2.379 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010291.D

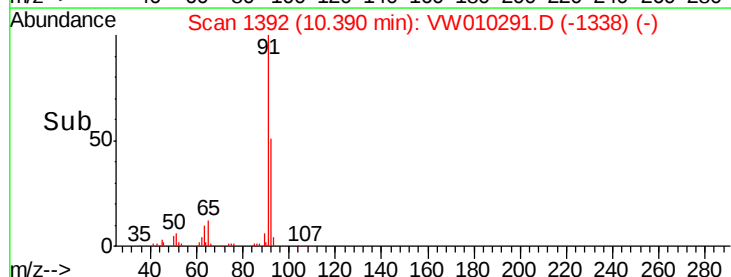
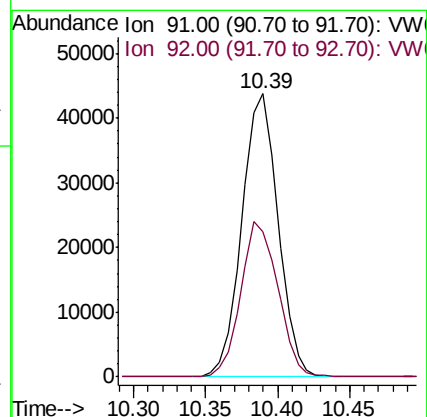
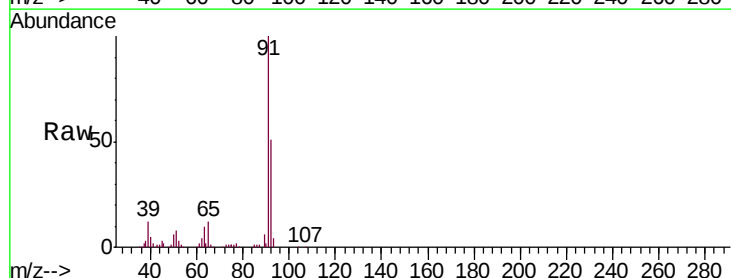
Acq: 07 May 2019 10:21

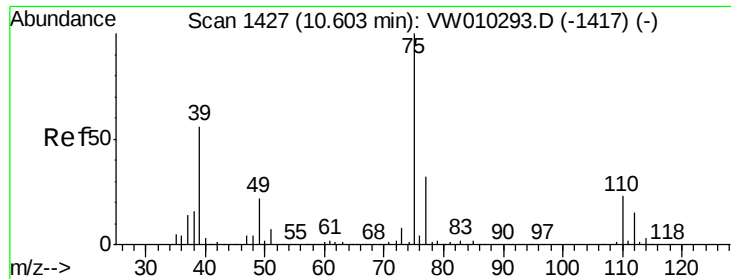
Tgt Ion: 91 Resp: 76541

Ion Ratio Lower Upper

91 100

92 51.4 39.5 73.4





#45

trans-1,3-Dichloropropene

Concen: 2.246 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampled :

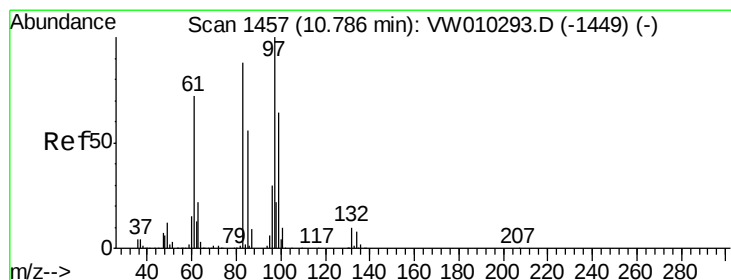
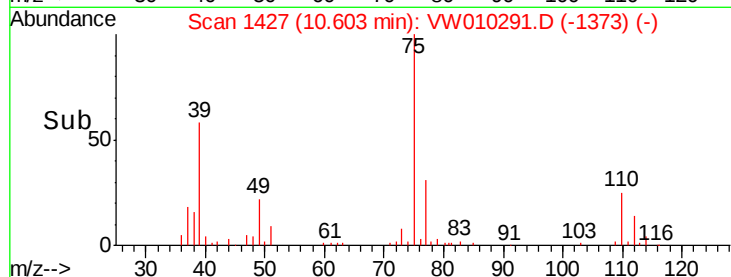
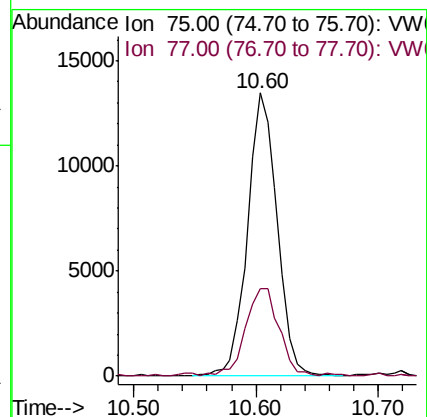
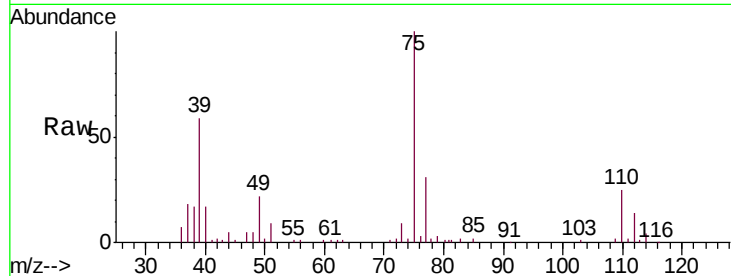
VSTD2.504

Tgt Ion: 75 Resp: 22717

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1



#46

1,1,2-Trichloroethane

Concen: 2.565 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Tgt Ion: 97 Resp: 15018

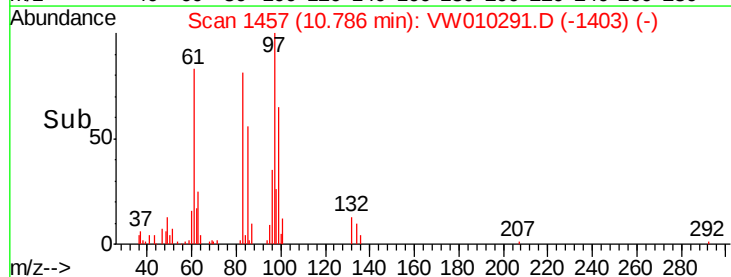
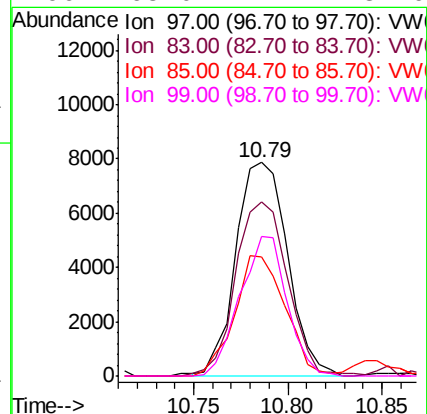
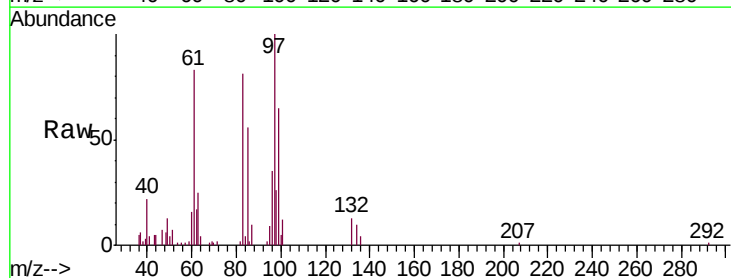
Ion Ratio Lower Upper

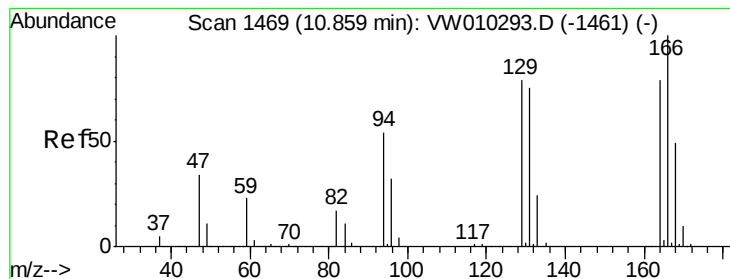
97 100

83 81.4 61.2 113.8

85 55.9 39.3 72.9

99 65.0 44.7 82.9





#47

Tetrachloroethene

Concen: 2.525 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion:164 Resp: 15496

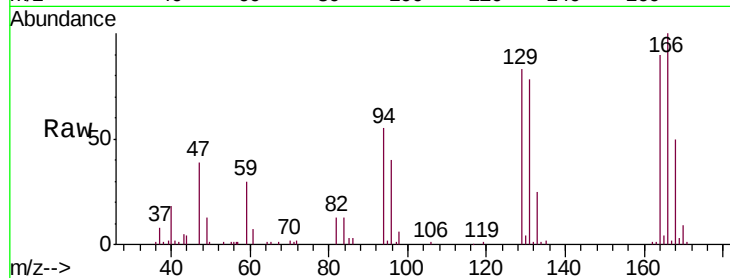
Ion Ratio Lower Upper

164 100

129 91.6 70.1 130.3

131 86.3 66.2 123.0

166 110.9 88.8 164.8

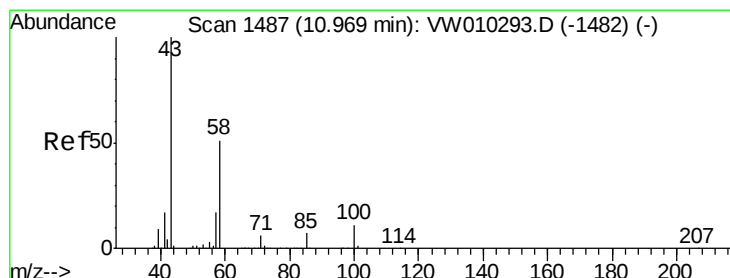
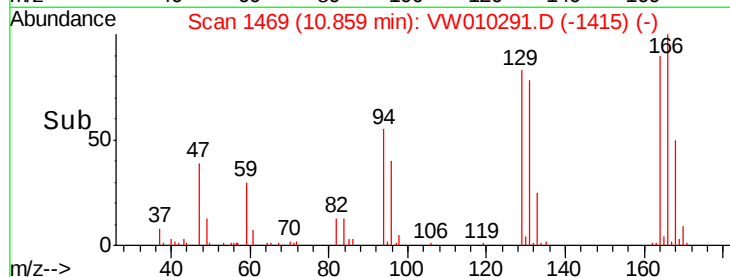
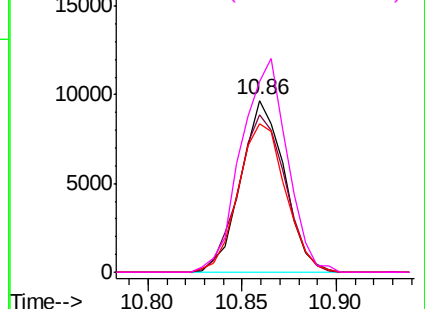


Abundance Ion 164.00 (163.70 to 164.70): V

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: 3.966 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Tgt Ion: 43 Resp: 20999

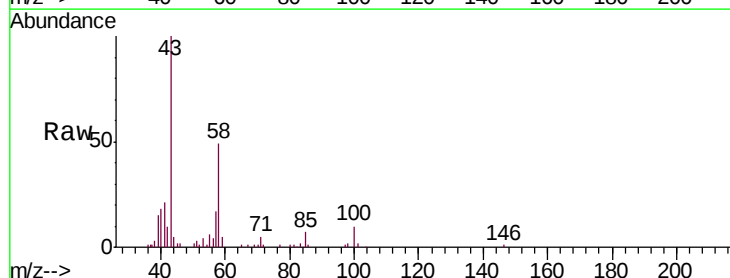
Ion Ratio Lower Upper

43 100

58 45.0 39.2 58.8

57 15.6 14.1 21.1

100 10.2 8.6 12.8

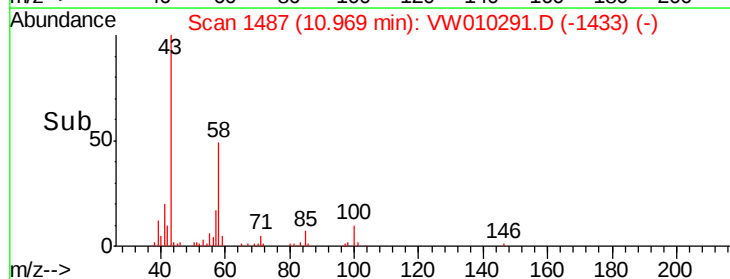
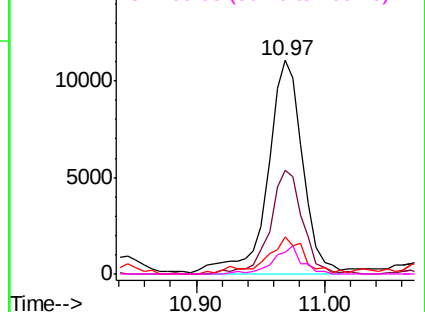


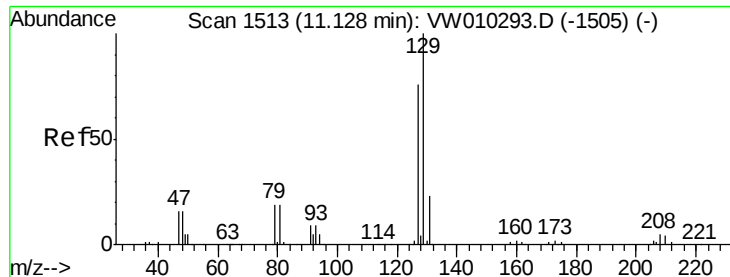
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 57.00 (56.70 to 57.70): V

Ion 100.00 (99.70 to 100.70): V





#50

Dibromochloromethane

Concen: 2.392 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

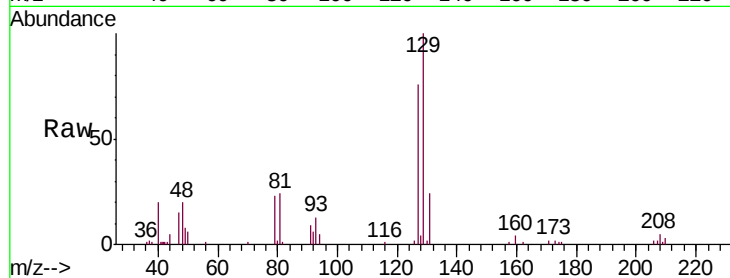
VSTD2.504

Tgt Ion:129 Resp: 16111

Ion Ratio Lower Upper

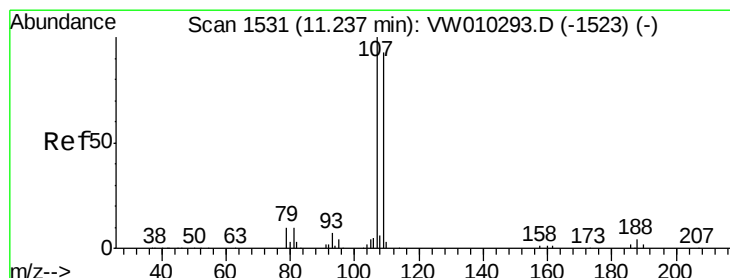
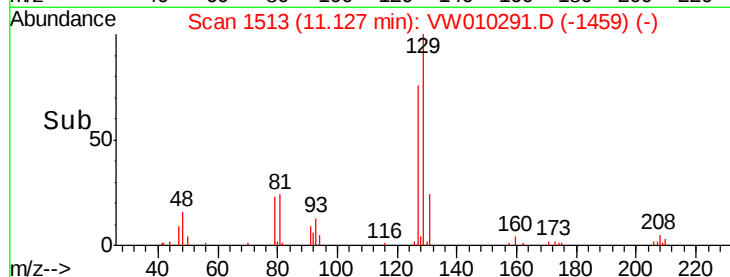
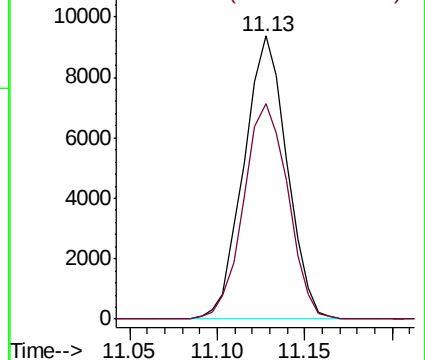
129 100

127 76.2 53.3 99.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.474 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

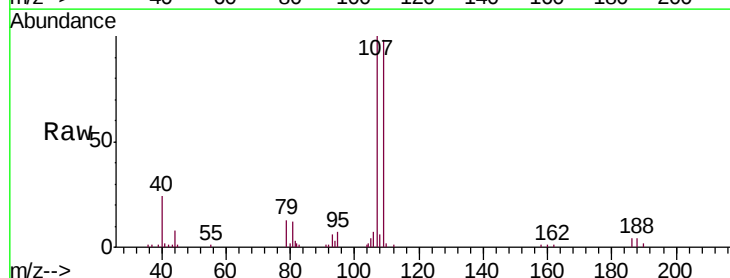
Tgt Ion:107 Resp: 14265

Ion Ratio Lower Upper

107 100

109 97.5 65.3 121.3

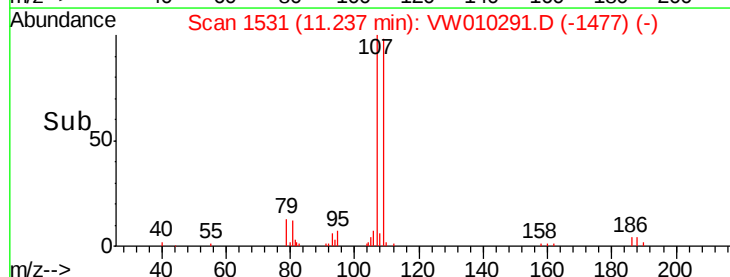
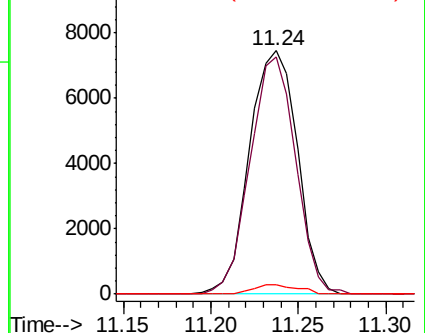
188 3.6 2.8 4.2

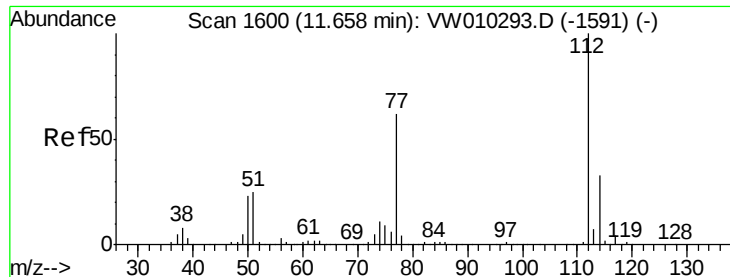


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.548 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

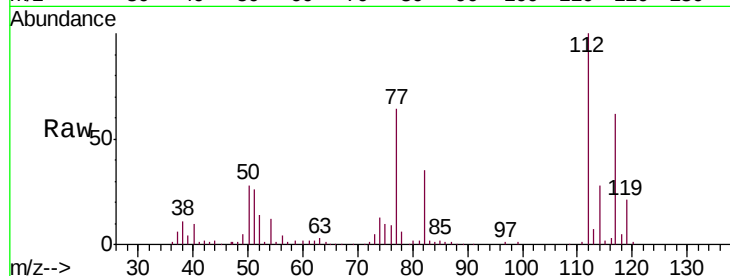
Tgt Ion: 112 Resp: 51192

Ion Ratio Lower Upper

112 100

77 63.7 49.3 73.9

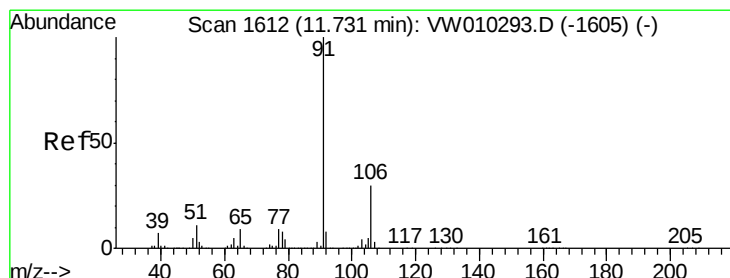
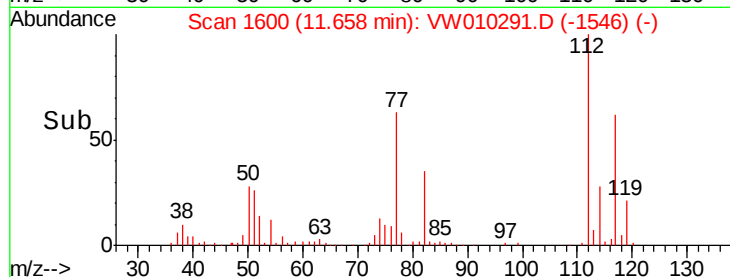
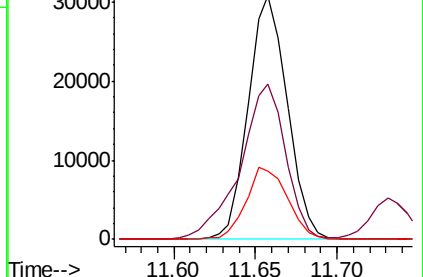
114 28.0 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.298 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010291.D

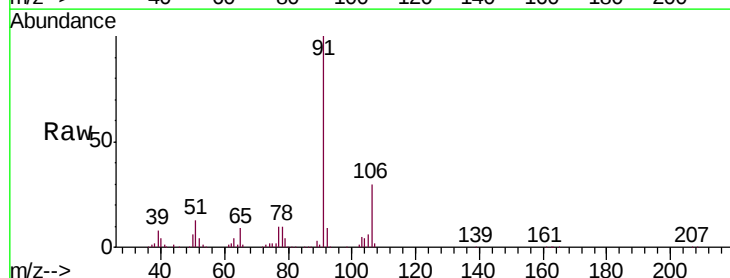
Acq: 07 May 2019 10:21

Tgt Ion: 91 Resp: 82494

Ion Ratio Lower Upper

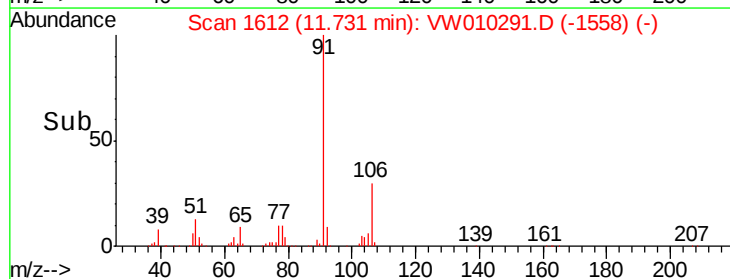
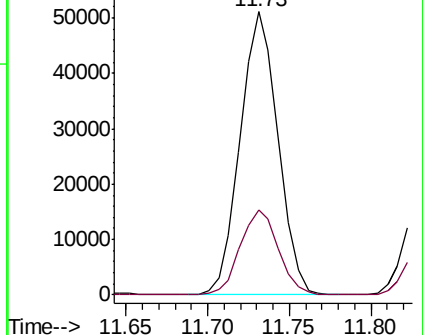
91 100

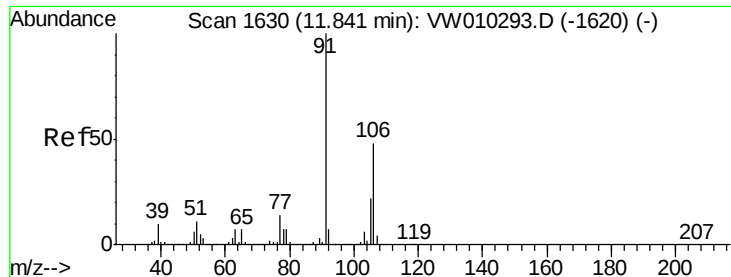
106 29.8 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.203 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

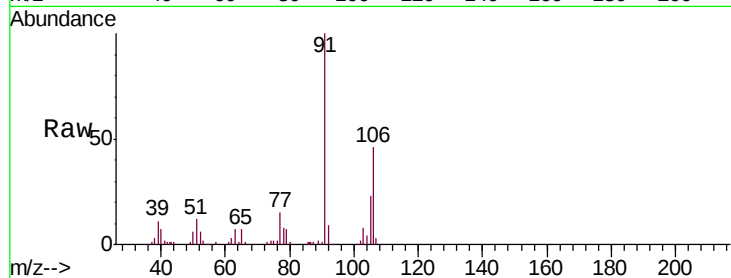
VSTD2.504

Tgt Ion:106 Resp: 28770

Ion Ratio Lower Upper

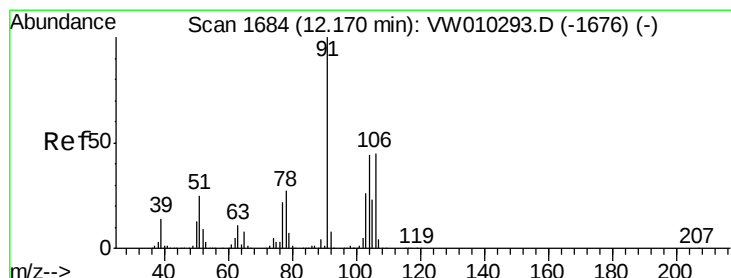
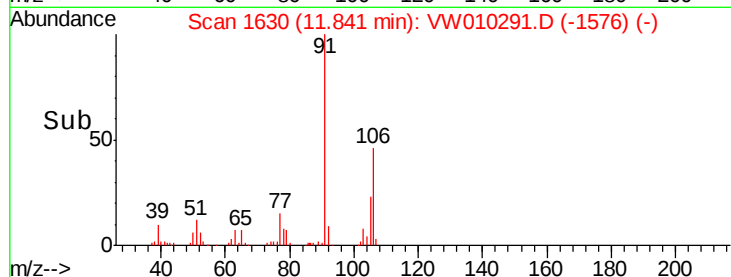
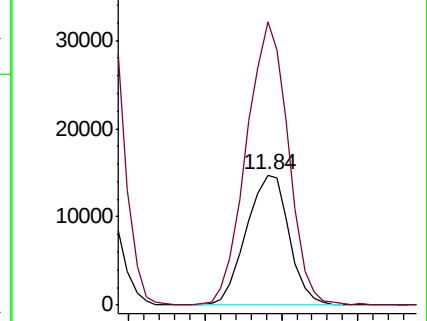
106 100

91 217.3 145.5 270.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.165 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW010291.D

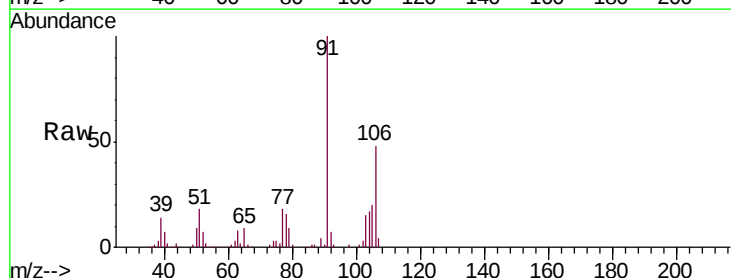
Acq: 07 May 2019 10:21

Tgt Ion:106 Resp: 26327

Ion Ratio Lower Upper

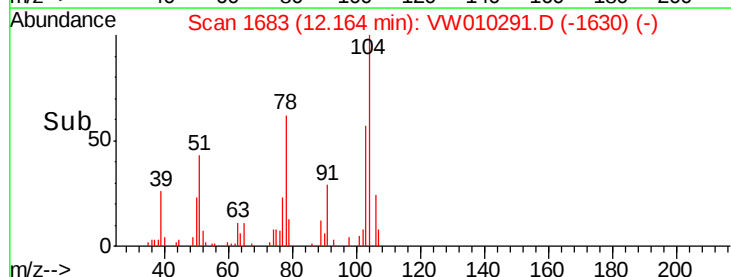
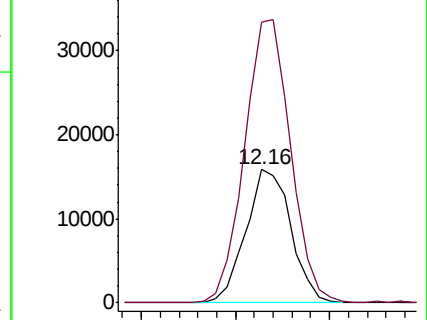
106 100

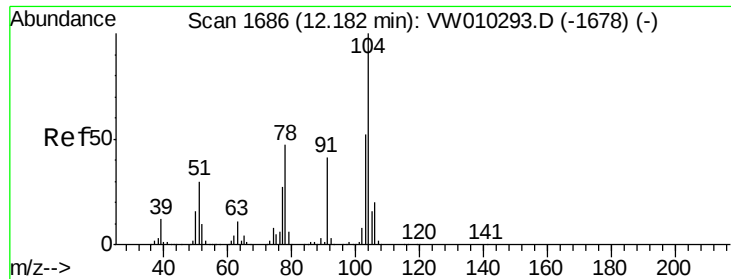
91 210.5 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.108 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

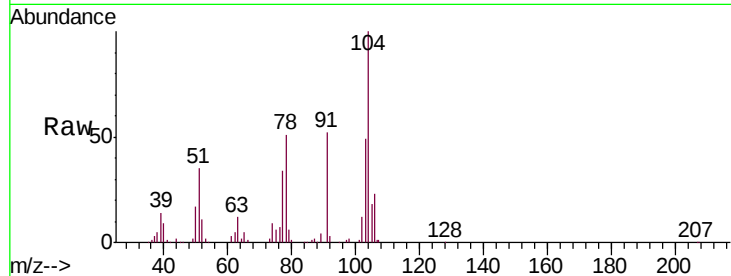
VSTD2.504

Tgt Ion:104 Resp: 44224

Ion Ratio Lower Upper

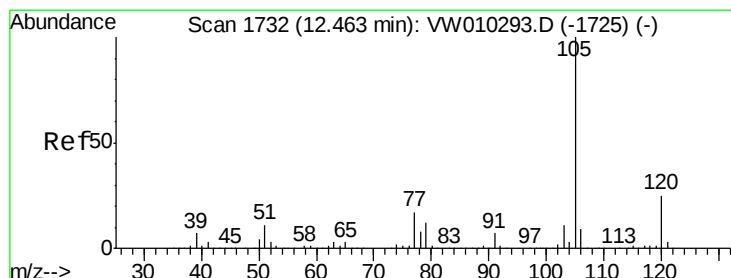
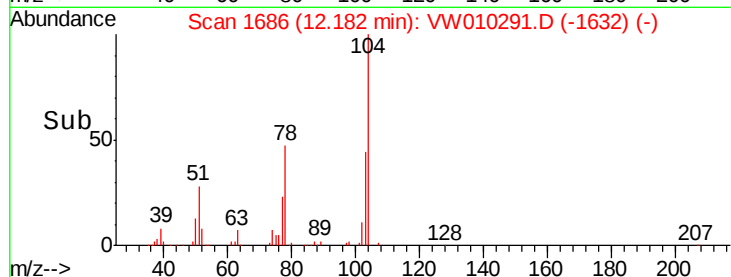
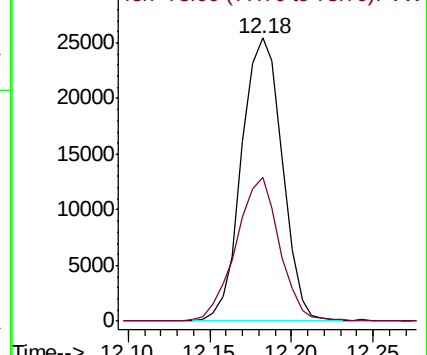
104 100

78 50.7 33.3 61.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 2.099 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

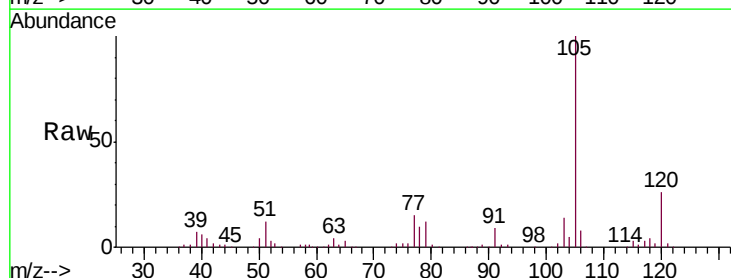
Tgt Ion:105 Resp: 70136

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

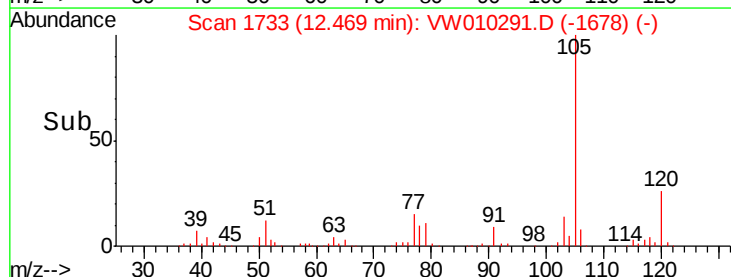
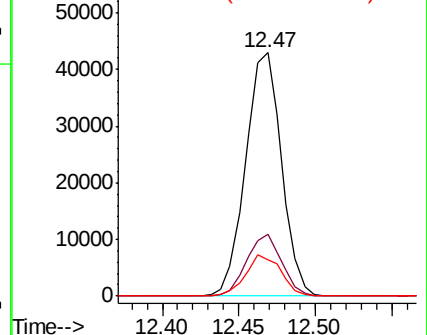
77 16.9 13.5 20.3

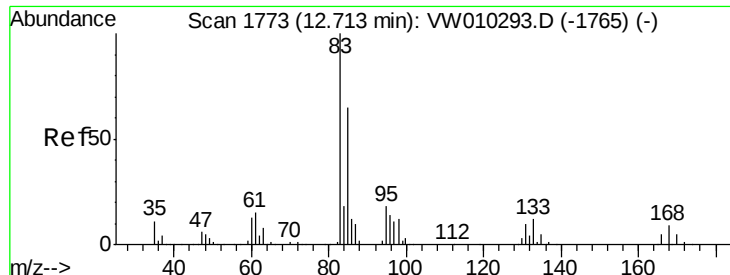


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.433 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

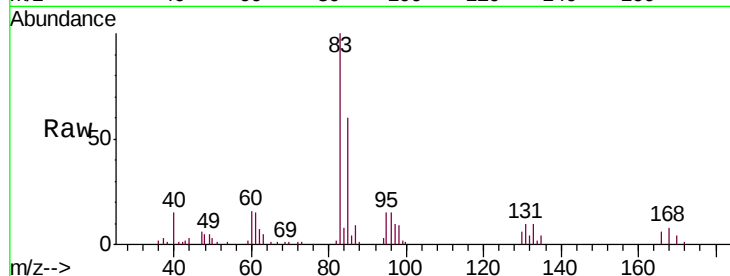
Tgt Ion: 83 Resp: 19579

Ion Ratio Lower Upper

83 100

85 60.3 45.6 84.8

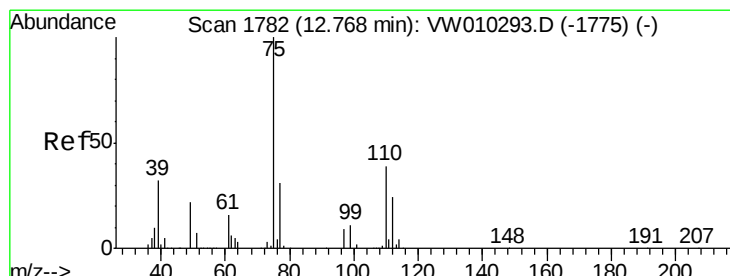
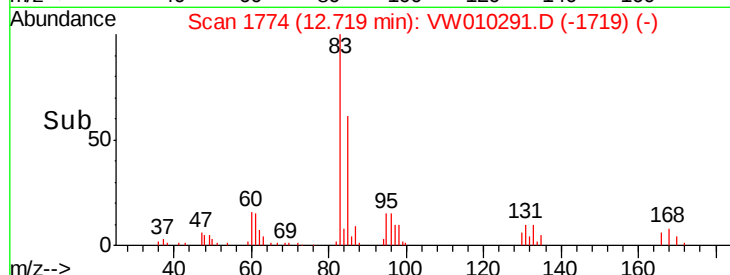
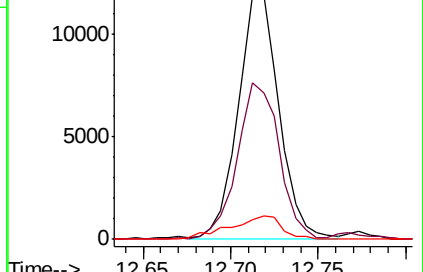
131 9.6 8.2 12.4



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): VW



#59

1,2,3-Trichloropropane

Concen: 2.450 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010291.D

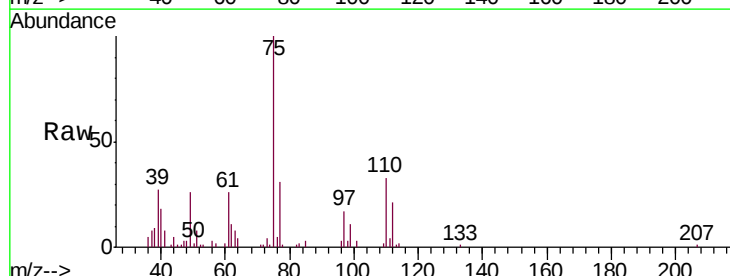
Acq: 07 May 2019 10:21

Tgt Ion: 75 Resp: 15130

Ion Ratio Lower Upper

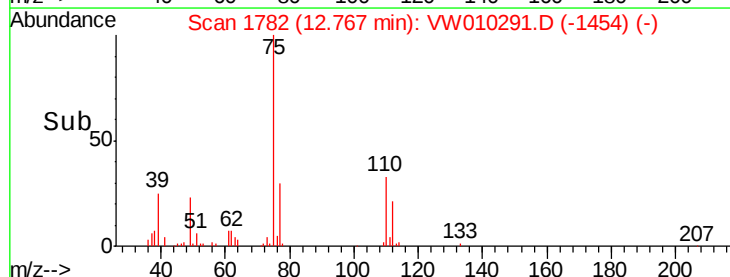
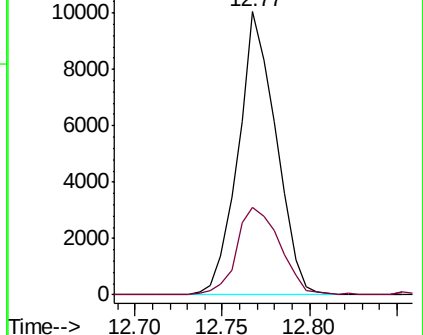
75 100

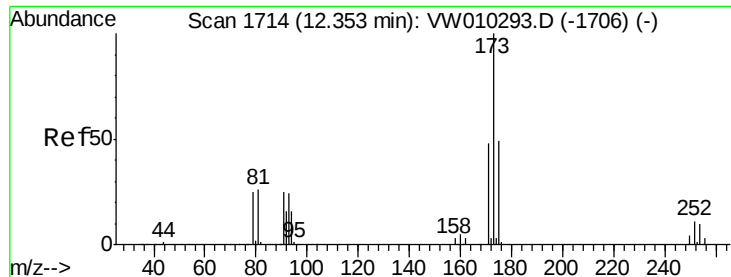
77 35.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

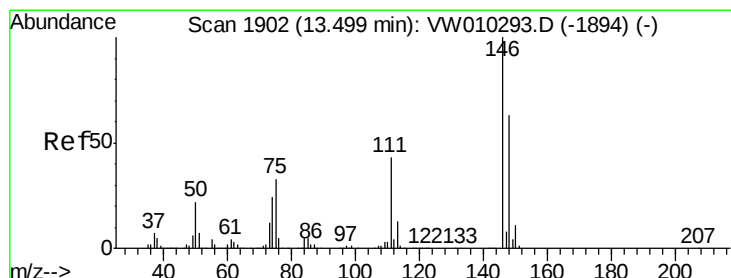
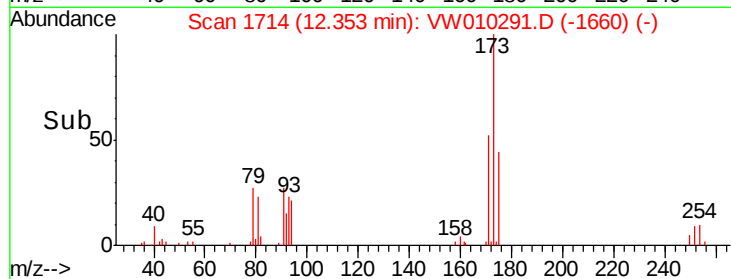
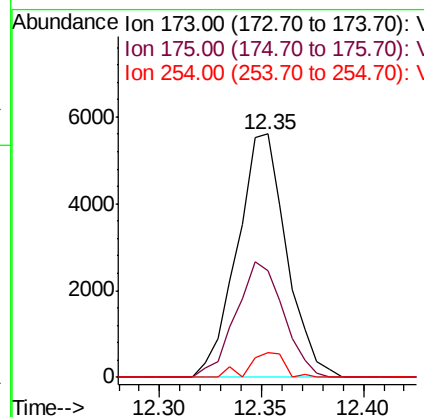
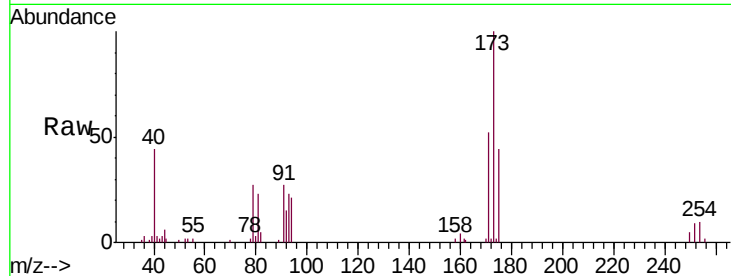




#62
Bromoform
Concen: 2.463 ug/L
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

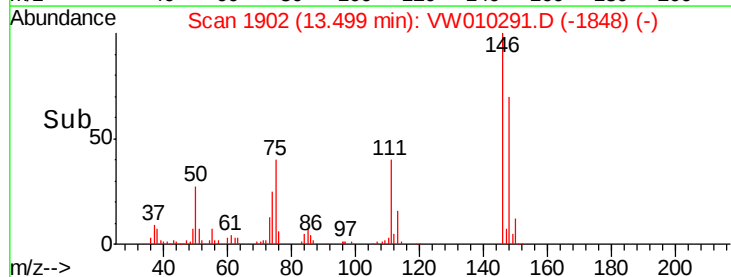
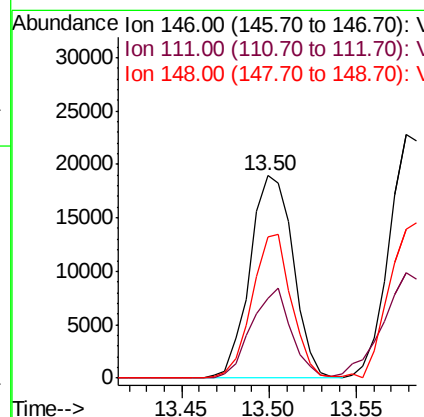
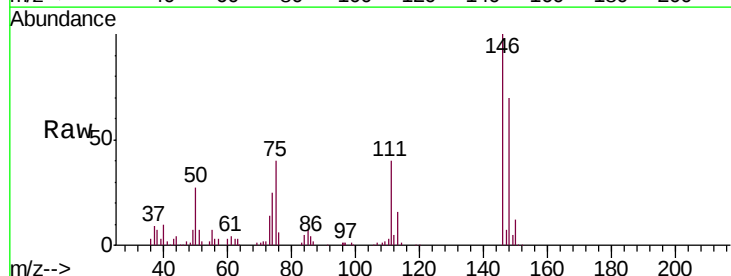
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

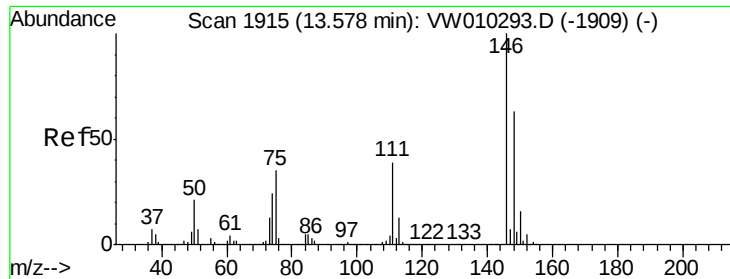
Tgt Ion:173 Resp: 9426
Ion Ratio Lower Upper
173 100
175 45.9 39.4 59.2
254 6.1 7.5 11.3#



#63
1,3-Dichlorobenzene
Concen: 2.466 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010291.D
Acq: 07 May 2019 10:21

Tgt Ion:146 Resp: 32664
Ion Ratio Lower Upper
146 100
111 39.6 30.0 55.8
148 70.0 43.9 81.5

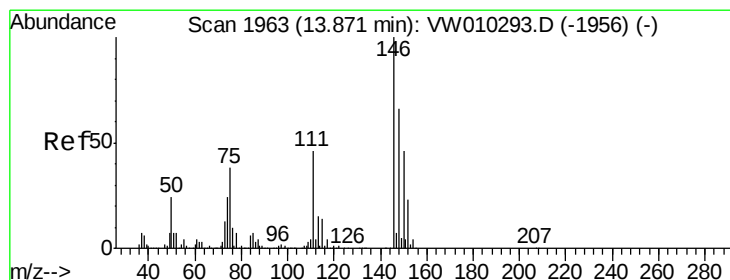
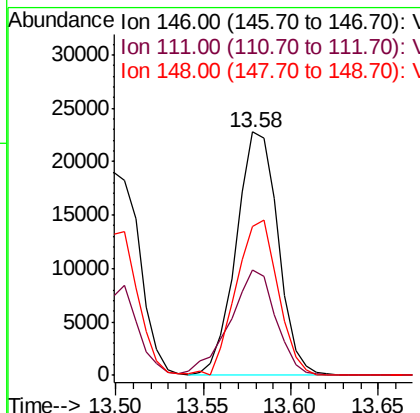
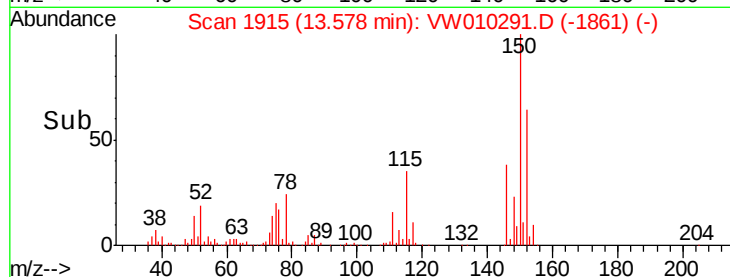
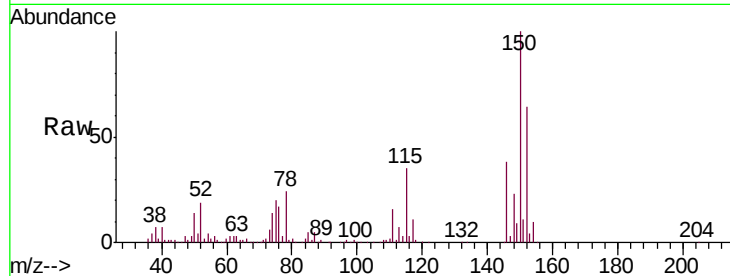




#64
 1,4-Dichlorobenzene
 Concen: 2.647 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

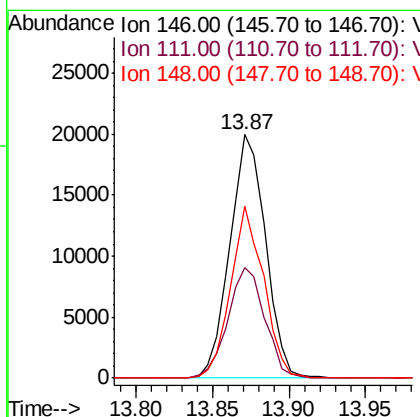
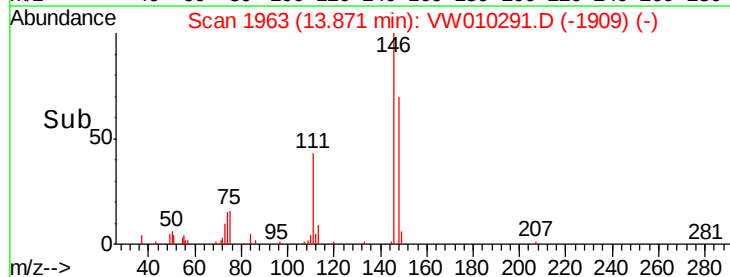
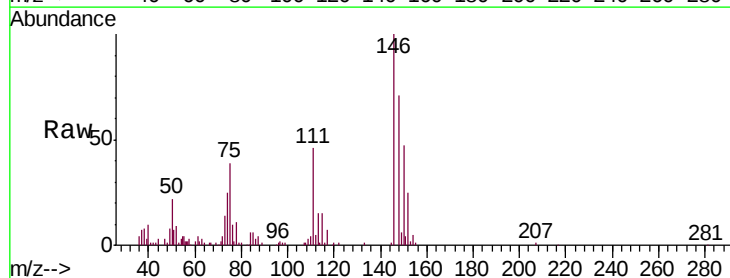
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

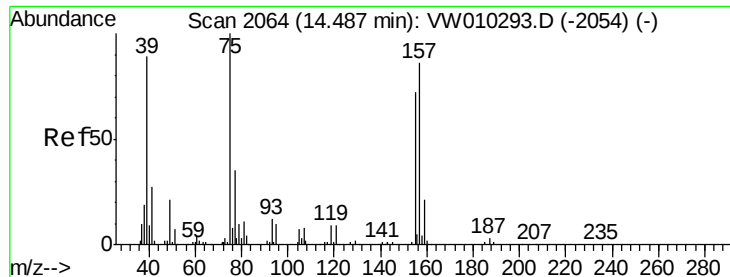
Tgt Ion:146 Resp: 37982
 Ion Ratio Lower Upper
 146 100
 111 43.5 27.4 51.0
 148 60.9 44.0 81.6



#65
 1,2-Dichlorobenzene
 Concen: 2.542 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

Tgt Ion:146 Resp: 32397
 Ion Ratio Lower Upper
 146 100
 111 45.6 36.8 55.2
 148 70.7 52.9 79.3





#66

1,2-Dibromo-3-chloropropane

Concen: 2.578 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

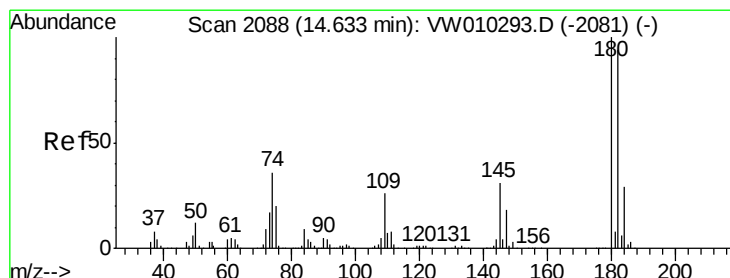
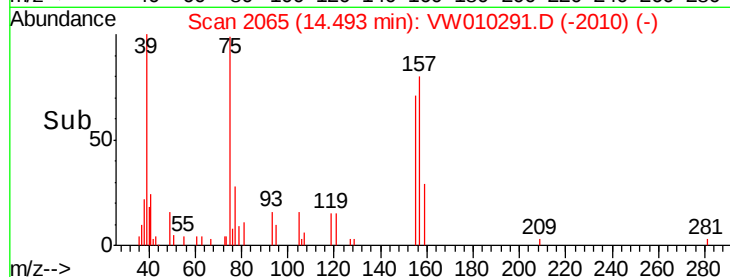
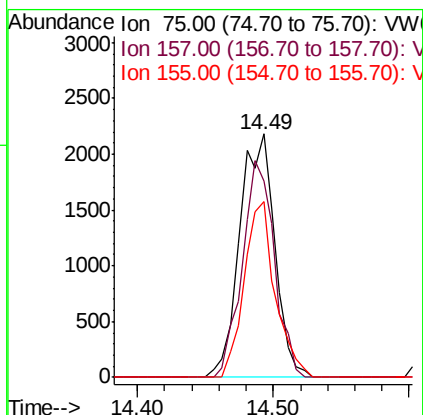
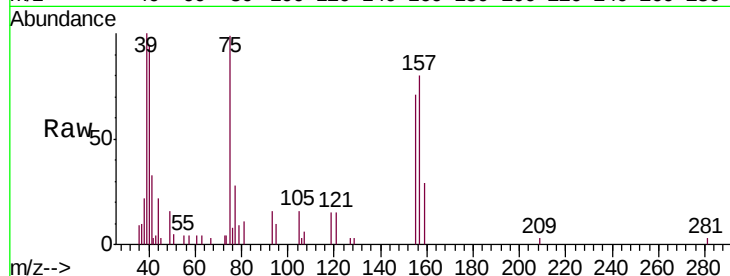
Tgt Ion: 75 Resp: 3916

Ion Ratio Lower Upper

75 100

157 80.8 68.6 103.0

155 72.2 57.3 85.9



#67

1,3,5-Trichlorobenzene

Concen: 2.400 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Tgt Ion: 180 Resp: 23819

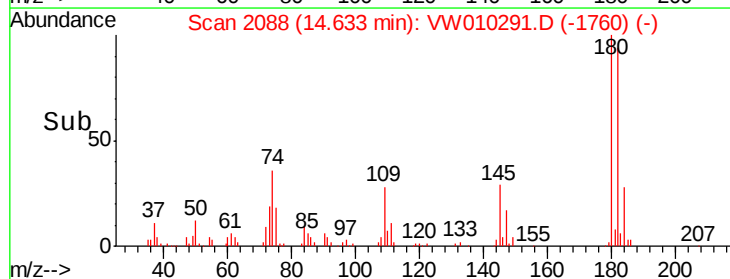
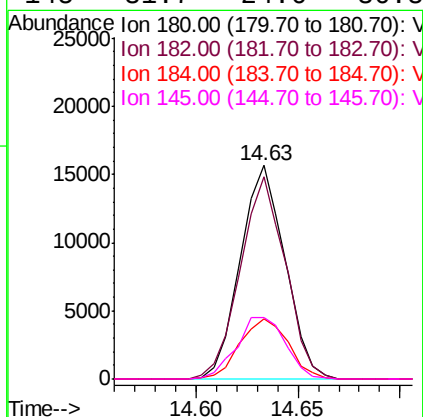
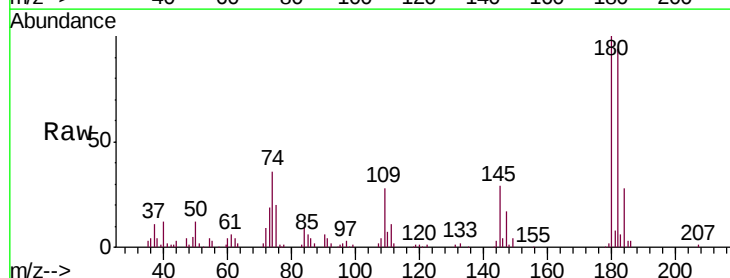
Ion Ratio Lower Upper

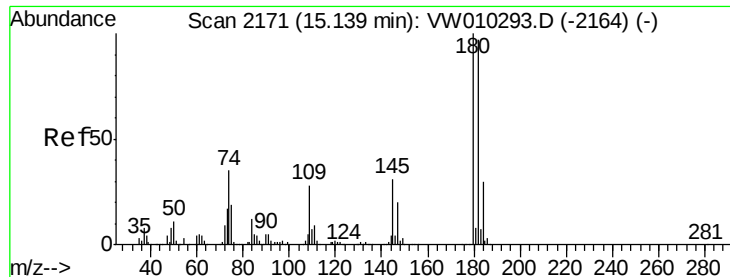
180 100

182 95.5 75.4 113.0

184 30.6 23.8 35.8

145 31.7 24.6 36.8





#68

1,2,4-trichlorobenzene

Concen: 2.213 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

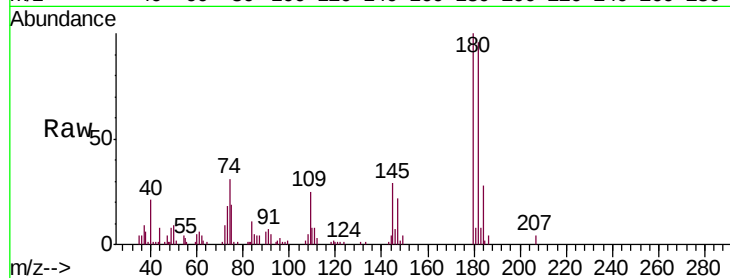
Tgt Ion:180 Resp: 17376

Ion Ratio Lower Upper

180 100

182 99.4 77.0 115.6

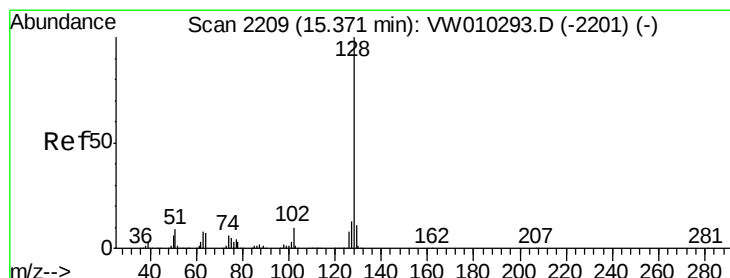
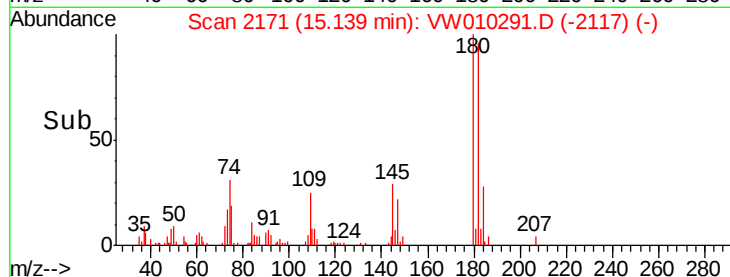
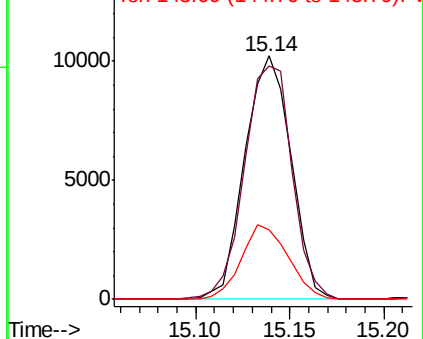
145 31.3 25.0 37.4



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: 1.895 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010291.D

Acq: 07 May 2019 10:21

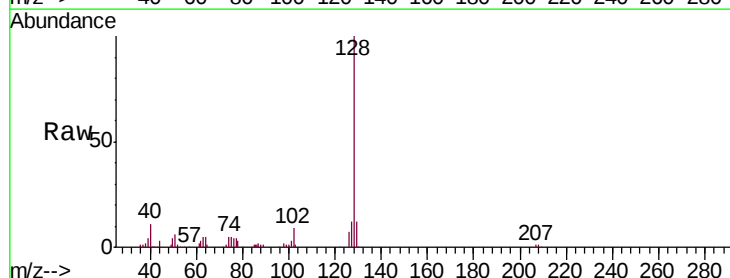
Tgt Ion:128 Resp: 33566

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

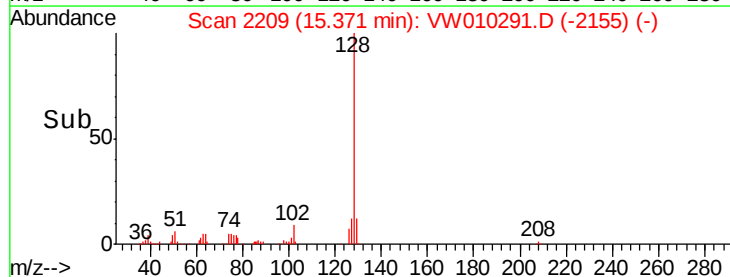
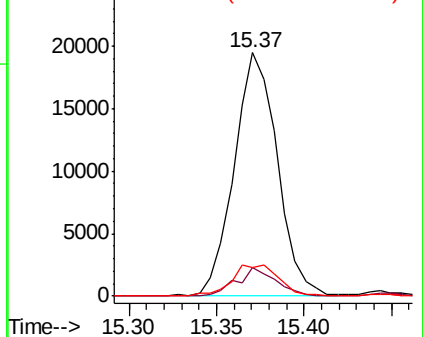
127 14.0 10.8 16.2

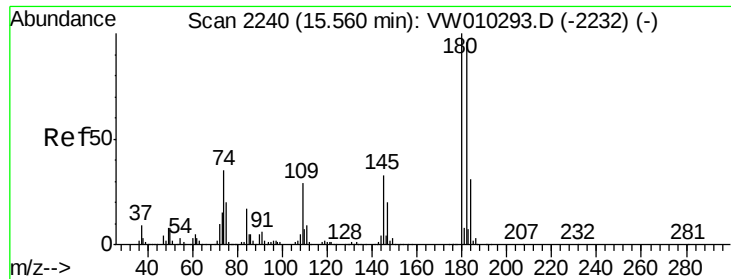


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 2.303 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW010291.D
 Acq: 07 May 2019 10:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.8	113.6
145	32.7	26.7	40.1

