

Data File : VW010294.D
Acq On : 07 May 2019 11:46
Operator : SY/VA
Sample : VSTD05010
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

Quant Time: May 08 01:52:41 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	522133	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	482102	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	238810	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	300526	49.43	ug/L	0.00
7) Chloroethane-d5	2.89	69	248703	48.60	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	726300	47.95	ug/L	0.00
20) 2-Butanone-d5	7.08	46	319515	113.44	ug/L	0.00
24) Chloroform-d	7.65	84	664433	47.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	394578	47.93	ug/L	0.00
29) Benzene-d6	8.27	84	1295953	49.49	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	389837	48.70	ug/L	0.00
37) Toluene-d8	10.32	98	1178517	50.48	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	187400	51.20	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	251495	122.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	395054	51.89	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	396752	48.68	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	336661	46.745	ug/L	90
3) Chloromethane	2.22	50	329470	48.967	ug/L	100
5) Vinyl chloride	2.37	62	387530	49.203	ug/L	97
6) Bromomethane	2.78	94	224912	47.242	ug/L	99
8) Chloroethane	2.92	64	225975	47.315	ug/L	99
9) Trichlorofluoromethane	3.25	101	246742	48.537	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	339806	47.114	ug/L	98
12) 1,1-Dichloroethene	4.03	96	344383	48.585	ug/L	97
13) Acetone	4.12	43	236134	97.976	ug/L	99
14) Carbon disulfide	4.38	76	1060906	48.906	ug/L	100
15) Methyl Acetate	4.67	43	259775	50.227	ug/L	98
16) Methylene chloride	4.91	84	333768	46.036	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	478340	51.487	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	359798	49.206	ug/L	99
19) 1,1-Dichloroethane	6.21	63	673946	48.085	ug/L	99
21) 2-Butanone	7.17	43	384025	111.386	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	384038	50.863	ug/L	99
23) Bromochloromethane	7.51	128	162323	47.918	ug/L	98
25) Chloroform	7.67	83	665819	48.105	ug/L	100
27) 1,2-Dichloroethane	8.40	62	496143	48.842	ug/L	99
30) Cyclohexane	7.95	56	679301	54.494	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	529977	48.273	ug/L	99
32) Carbon tetrachloride	8.07	117	541643	49.638	ug/L	100
34) Benzene	8.32	78	1477490	49.931	ug/L	100
35) Trichloroethene	9.09	95	384864	49.224	ug/L	99
36) Methylcyclohexane	9.34	83	696560	52.744	ug/L	99
40) 1,2-Dichloropropane	9.37	63	369411	48.922	ug/L	99
41) Bromodichloromethane	9.64	83	486700	49.809	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	595458	52.699	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	752829	111.914	ug/L	99

Data File : VW010294.D
Acq On : 07 May 2019 11:46
Operator : SY/VA
Sample : VSTD05010
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

Quant Time: May 08 01:52:41 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

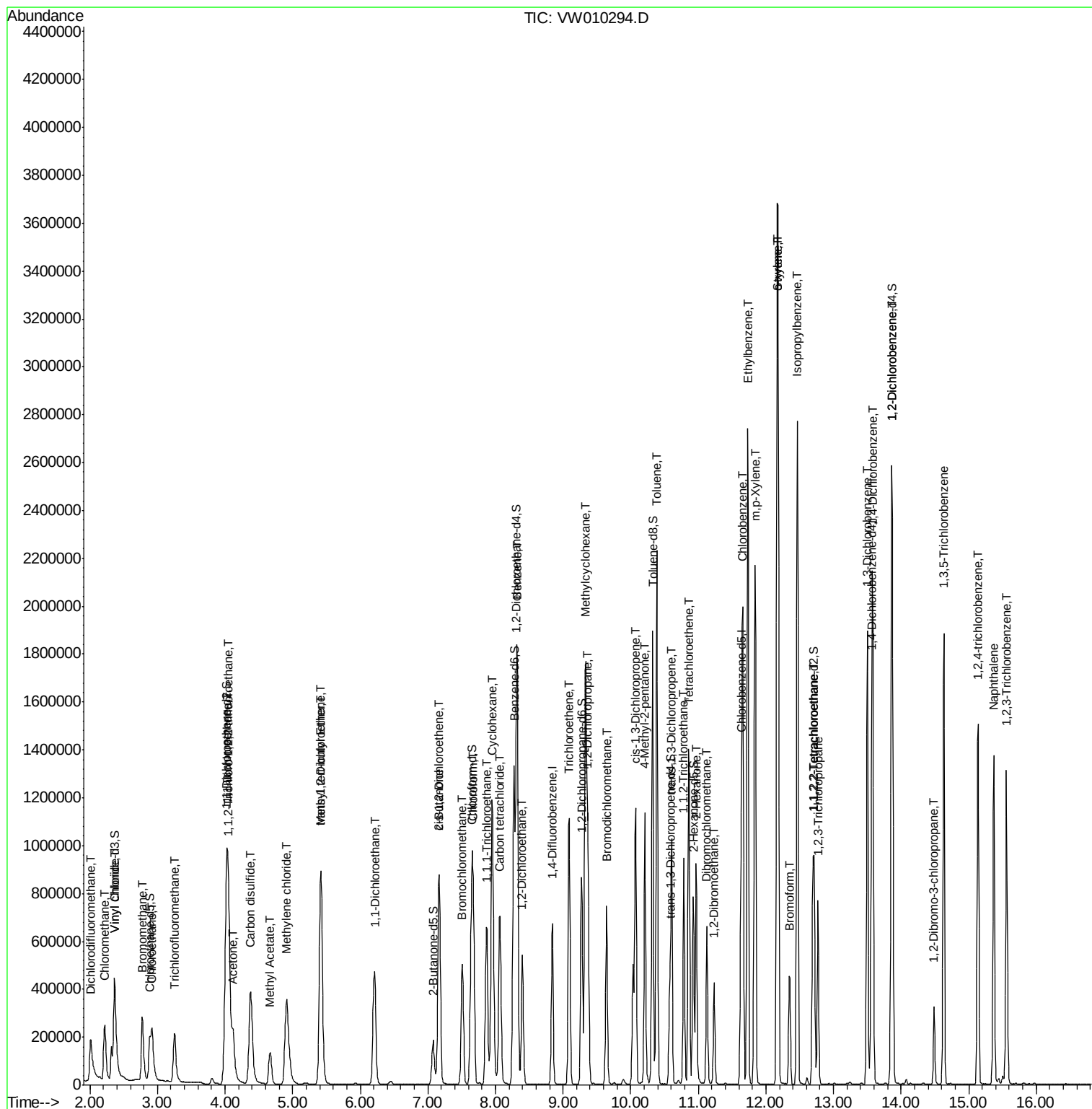
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1588968	51.273	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	509544	52.298	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	277721	49.242	ug/L	99
47) Tetrachloroethene	10.86	164	295392	49.968	ug/L	99
49) 2-Hexanone	10.97	43	584600	114.596	ug/L	99
50) Dibromochloromethane	11.13	129	331980	51.171	ug/L	100
51) 1,2-Dibromoethane	11.24	107	282296	50.815	ug/L	99
52) Chlorobenzene	11.66	112	959983	49.586	ug/L	99
53) Ethylbenzene	11.73	91	1813821	52.436	ug/L	100
54) m,p-Xylene	11.84	106	670130	53.253	ug/L	97
55) o-xylene	12.17	106	631937	53.944	ug/L	94
56) Styrene	12.18	104	1091640	54.003	ug/L	99
57) Isopropylbenzene	12.47	105	1757247	54.583	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	393713	50.793	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	307937	51.751	ug/L	100
62) Bromoform	12.35	173	204460	49.781	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	713703	50.194	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	735582	47.768	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	674691	49.317	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	82294	50.480	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	536619	50.384	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	441675	52.400	ug/L	98
69) Naphthalene	15.37	128	1100970	57.918	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	418871	51.734	ug/L	99

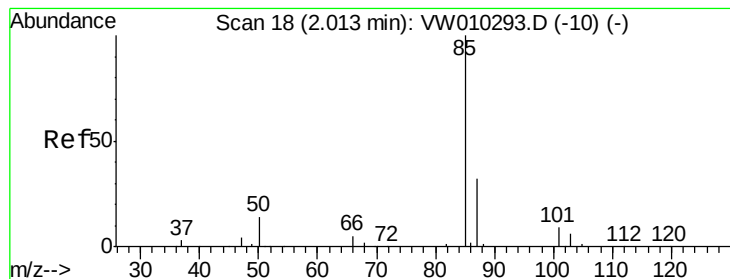
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW010294.D
Acq On : 07 May 2019 11:46
Operator : SY/VA
Sample : VSTD05010
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

Quant Time: May 08 01:52:41 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





#2

Dichlorodifluoromethane

Concen: 46.745 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

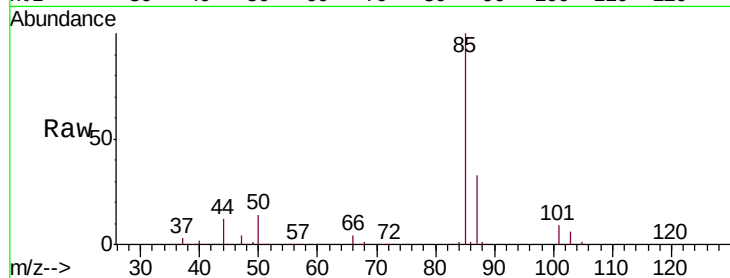
VSTD05007

Tgt Ion: 85 Resp: 336661

Ion Ratio Lower Upper

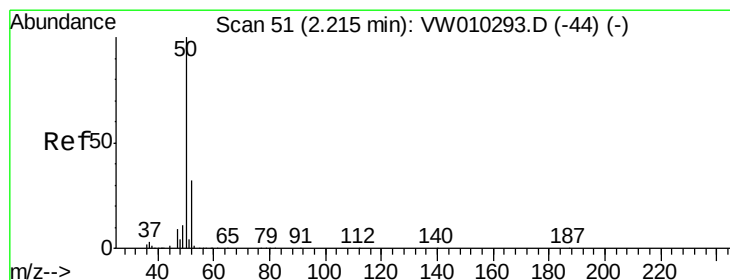
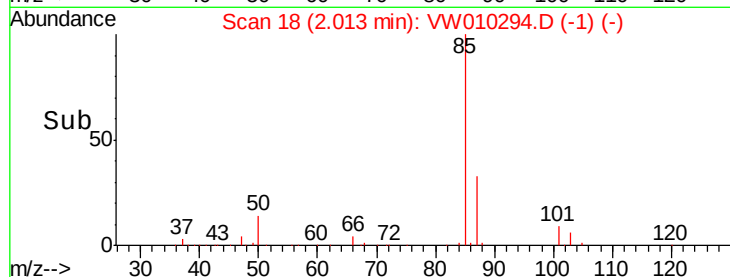
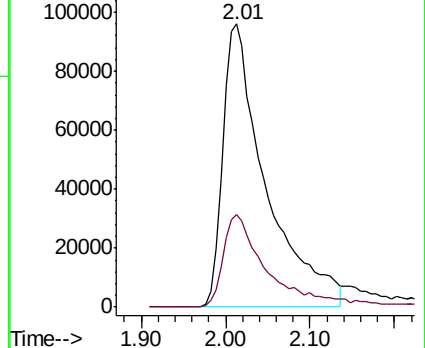
85 100

87 31.9 18.7 34.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 48.967 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010294.D

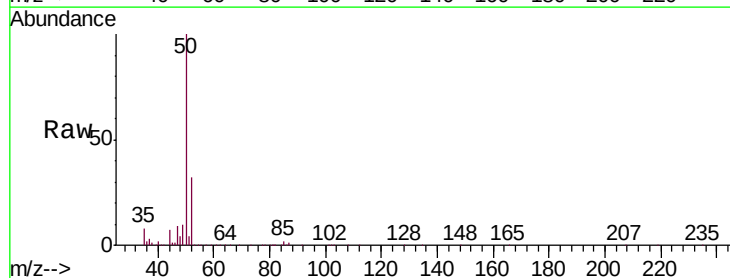
Acq: 07 May 2019 11:46

Tgt Ion: 50 Resp: 329470

Ion Ratio Lower Upper

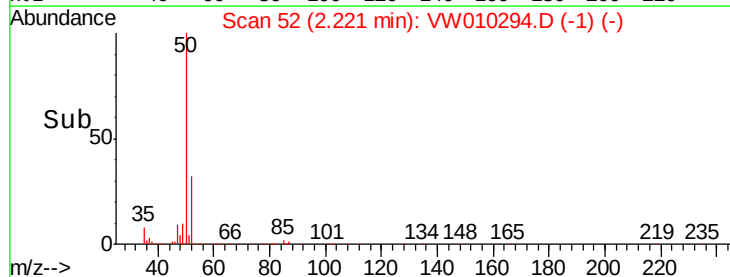
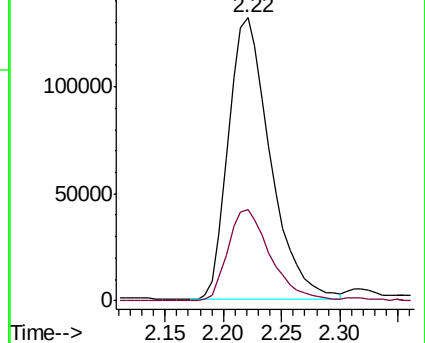
50 100

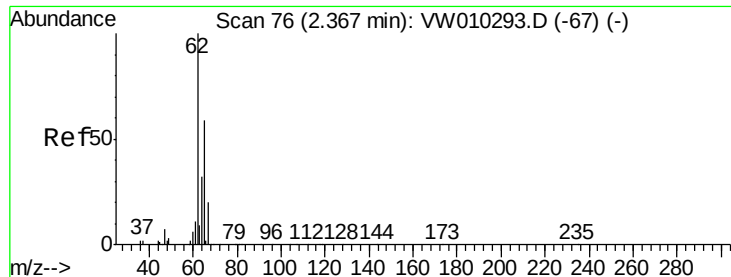
52 32.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 49.203 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

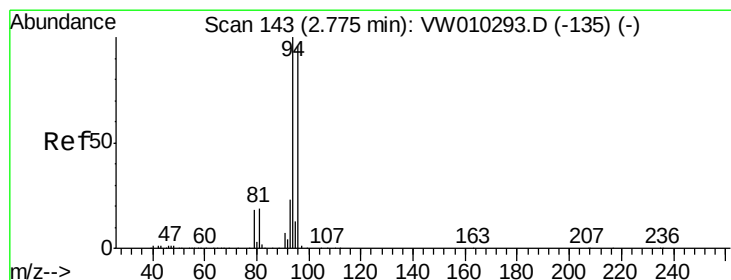
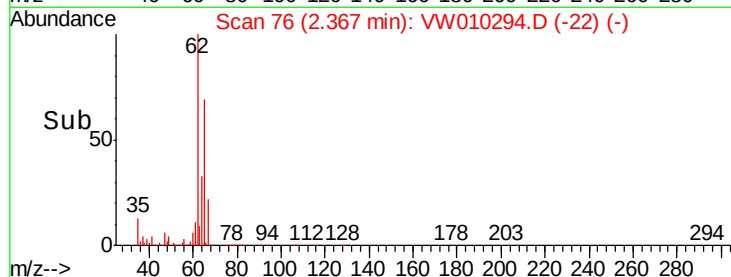
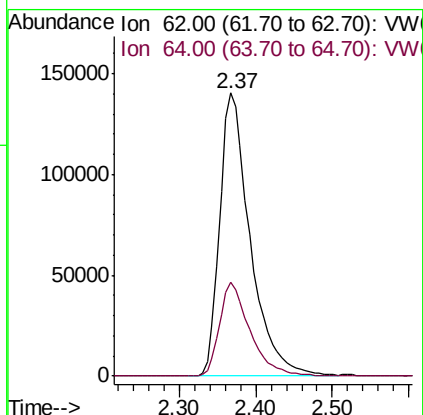
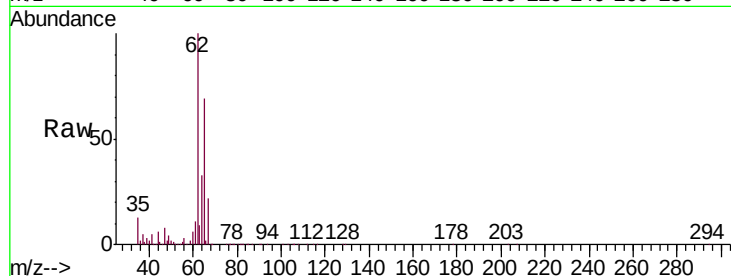
VSTD05007

Tgt Ion: 62 Resp: 387530

Ion Ratio Lower Upper

62 100

64 33.1 22.1 41.1



#6

Bromomethane

Concen: 47.242 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010294.D

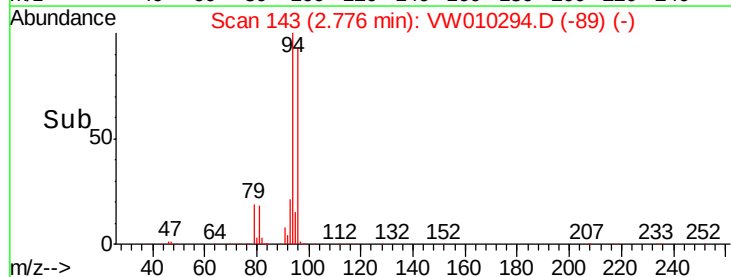
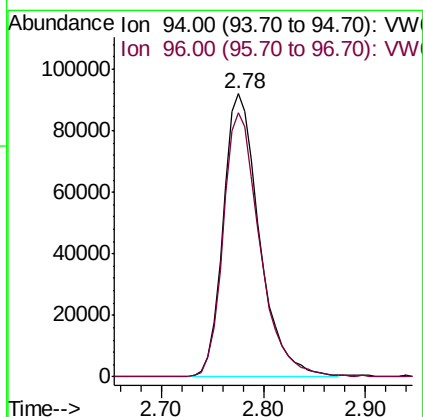
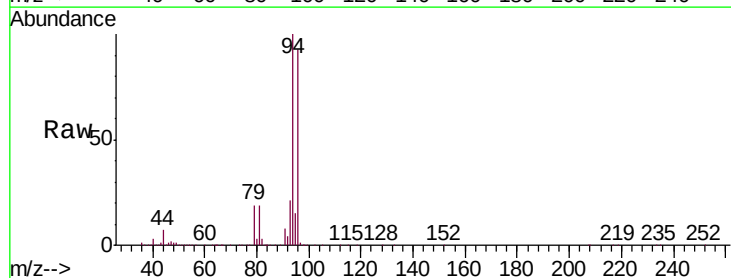
Acq: 07 May 2019 11:46

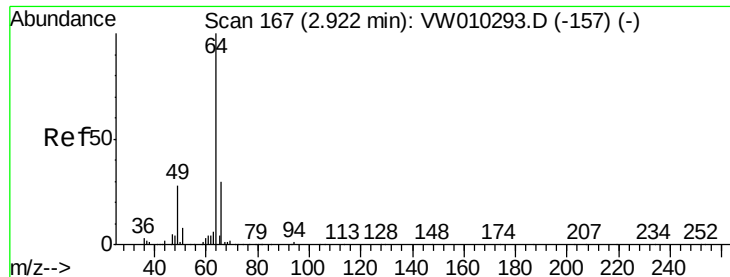
Tgt Ion: 94 Resp: 224912

Ion Ratio Lower Upper

94 100

96 94.6 9.3 177.1





#8

Chloroethane

Concen: 47.315 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

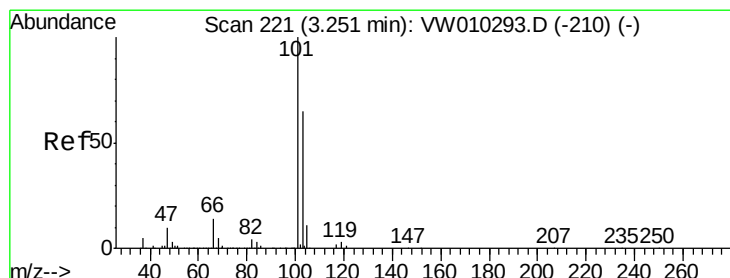
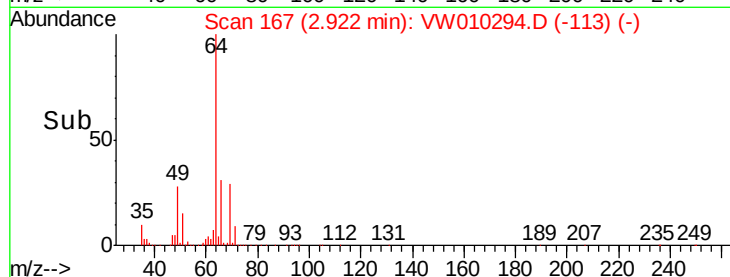
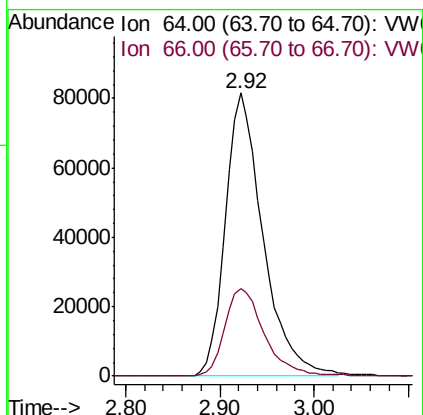
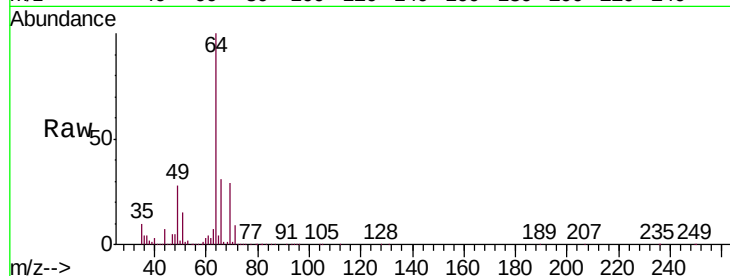
VSTD05007

Tgt Ion: 64 Resp: 225975

Ion Ratio Lower Upper

64 100

66 31.1 21.5 39.9



#9

Trichlorofluoromethane

Concen: 48.537 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW010294.D

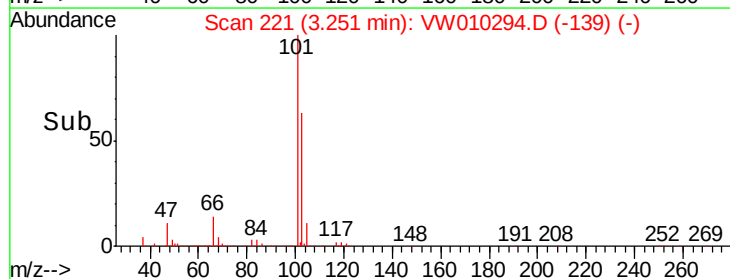
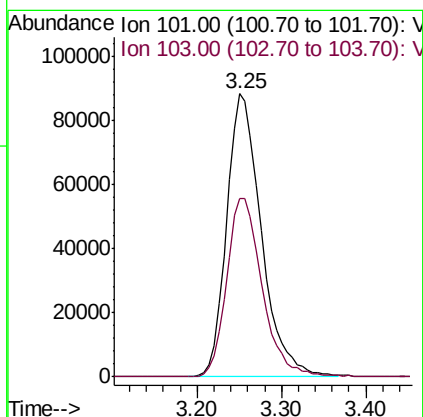
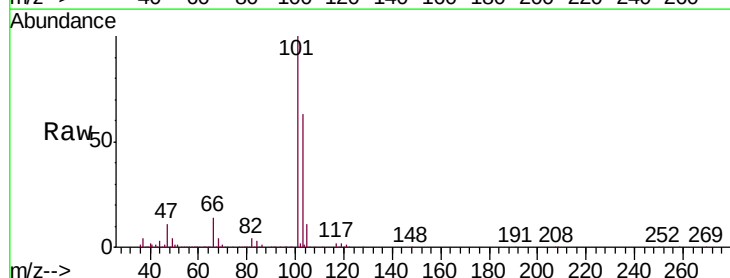
Acq: 07 May 2019 11:46

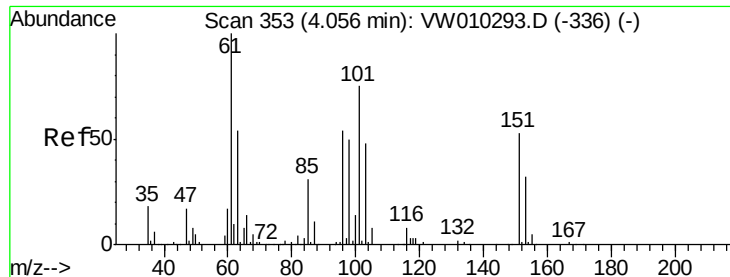
Tgt Ion: 101 Resp: 246742

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.7





#11

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

Concen: 47.114 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05007

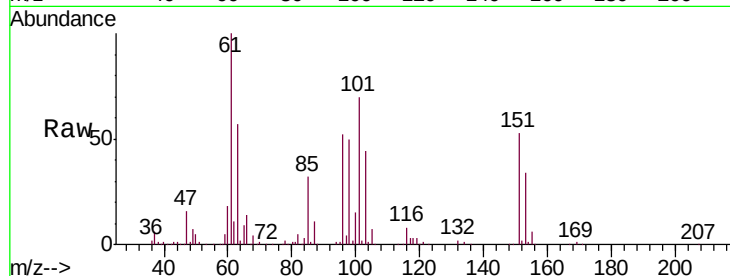
Tgt Ion:101 Resp: 339806

Ion Ratio Lower Upper

101 100

85 42.2 33.7 50.5

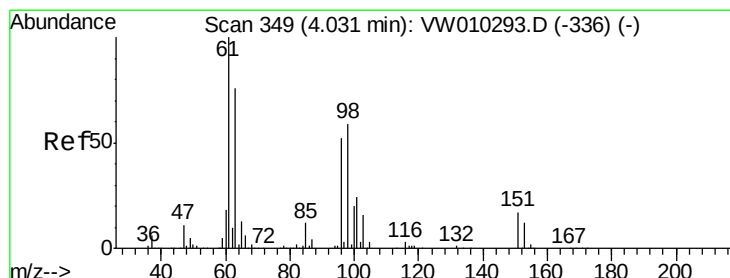
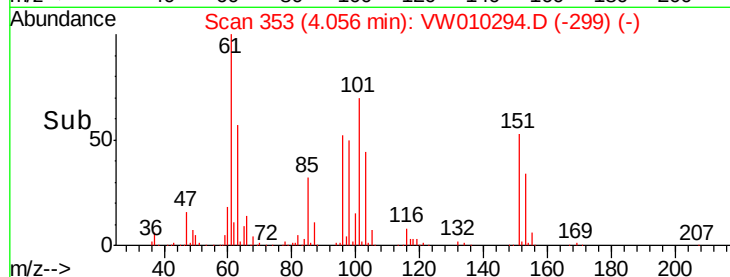
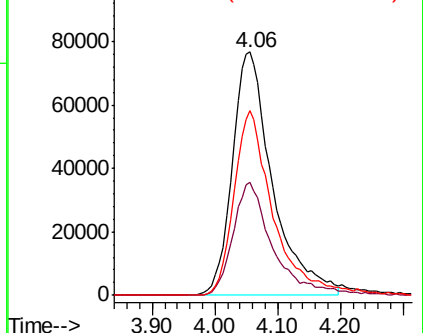
151 70.4 58.7 88.1



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: 48.585 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

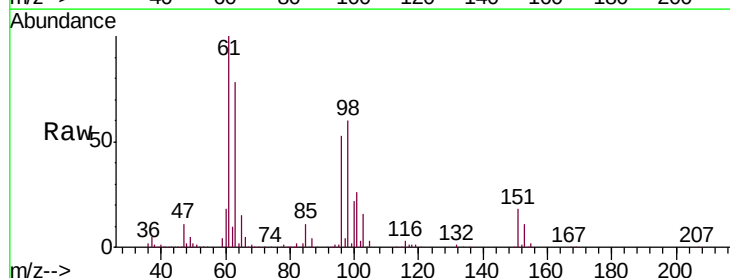
Tgt Ion: 96 Resp: 344383

Ion Ratio Lower Upper

96 100

61 187.6 135.1 250.9

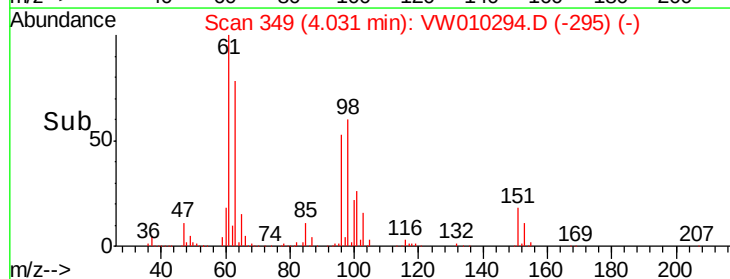
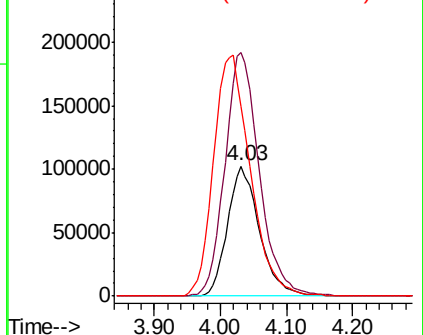
63 145.9 103.1 191.5

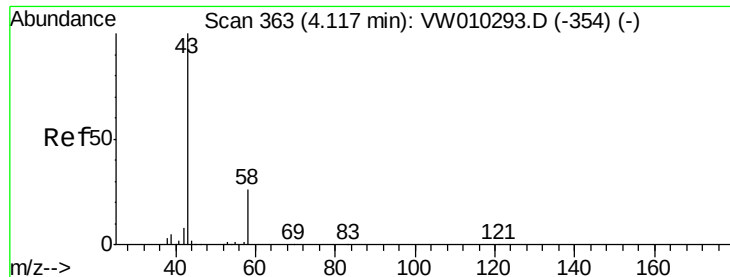


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 97.976 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

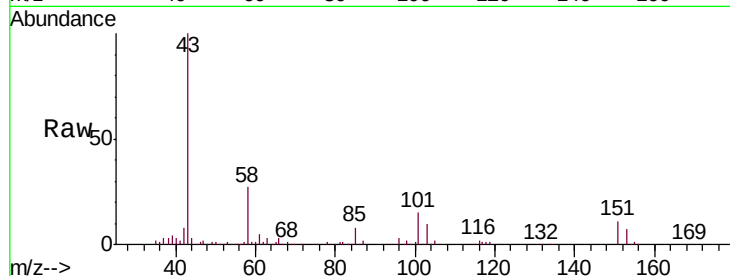
VSTD05007

Tgt Ion: 43 Resp: 236134

Ion Ratio Lower Upper

43 100

58 27.9 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

80000

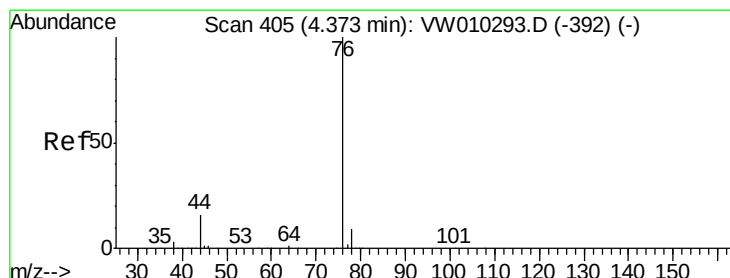
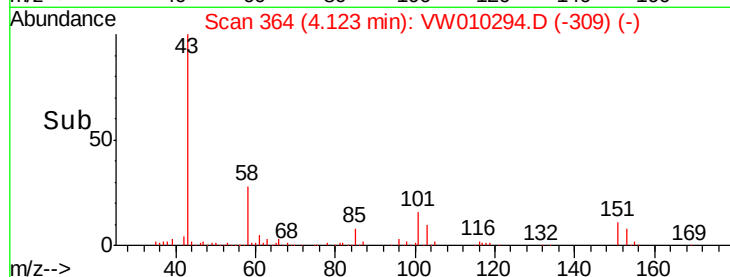
60000

40000

20000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#14

Carbon disulfide

Concen: 48.906 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010294.D

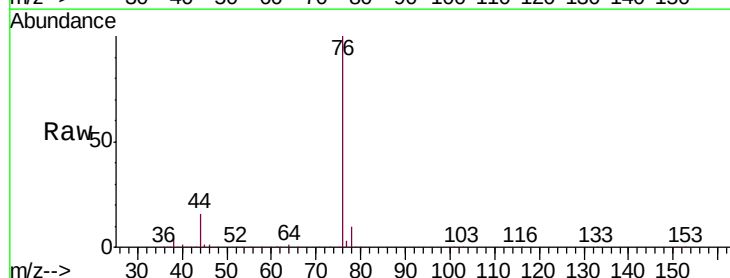
Acq: 07 May 2019 11:46

Tgt Ion: 76 Resp: 1060906

Ion Ratio Lower Upper

76 100

78 9.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

300000

250000

200000

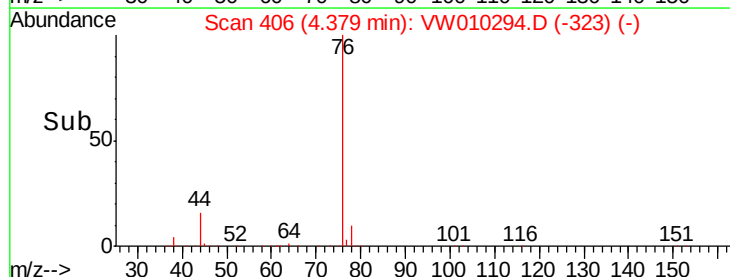
150000

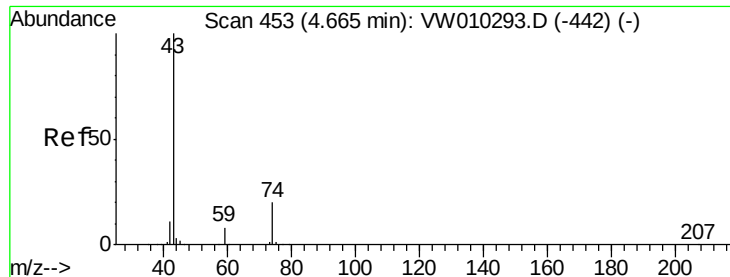
100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60

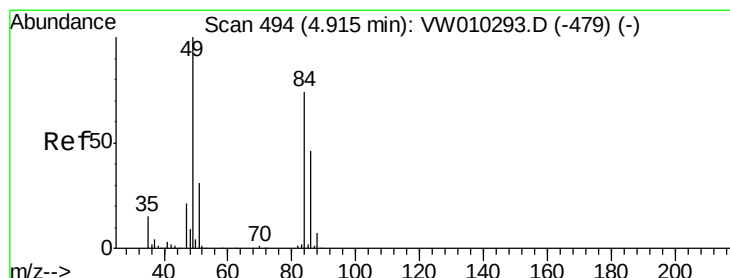
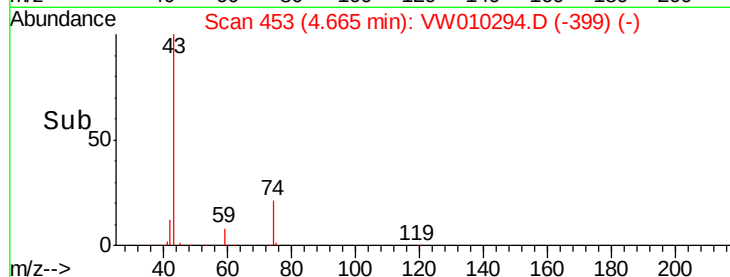
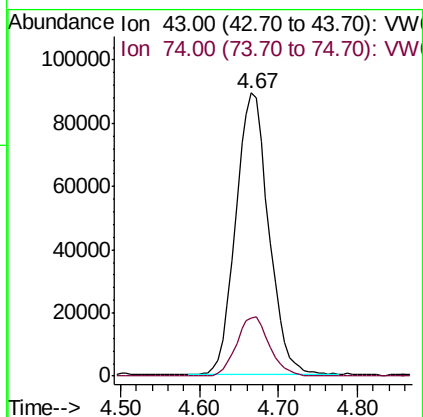
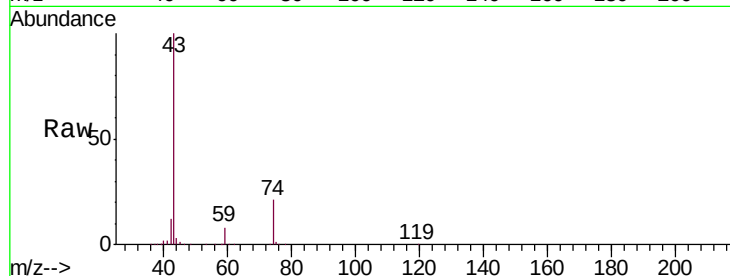




#15
Methyl Acetate
Concen: 50.227 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

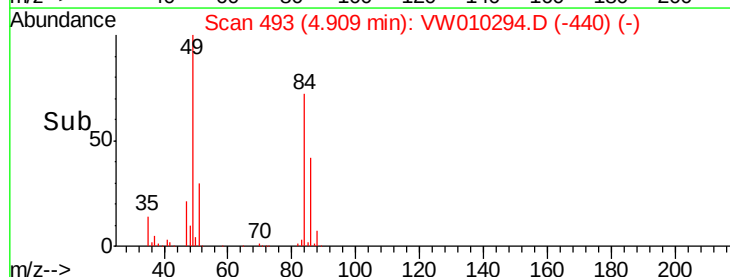
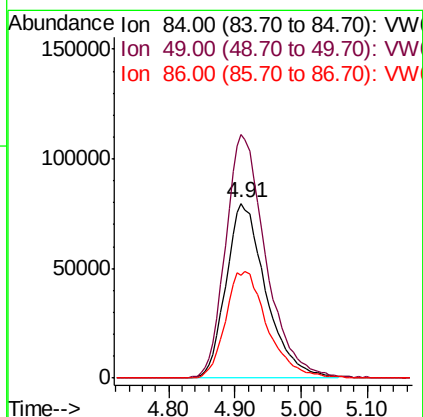
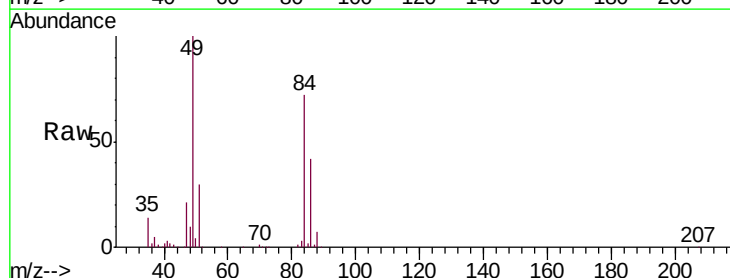
Instrument :
MSVOA_W
ClientSampled :
VSTD05007

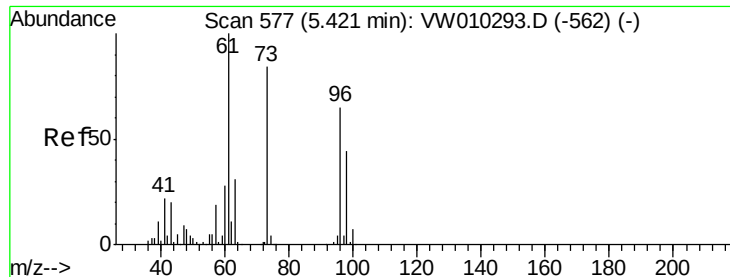
Tgt Ion: 43 Resp: 259775
Ion Ratio Lower Upper
43 100
74 21.0 16.1 24.1



#16
Methylene chloride
Concen: 46.036 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

Tgt Ion: 84 Resp: 333768
Ion Ratio Lower Upper
84 100
49 139.4 94.4 175.4
86 59.1 43.8 81.4

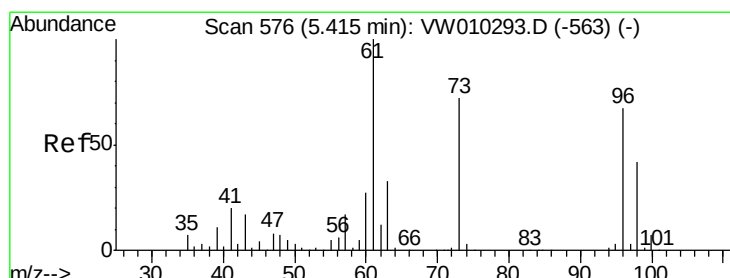
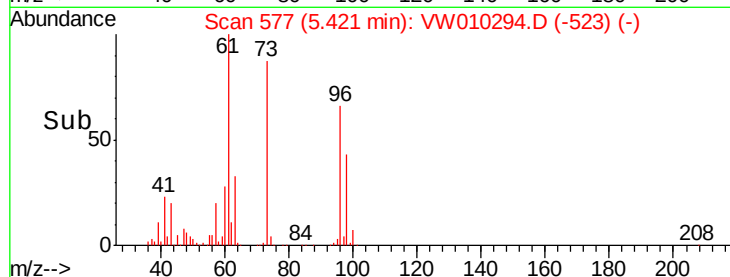
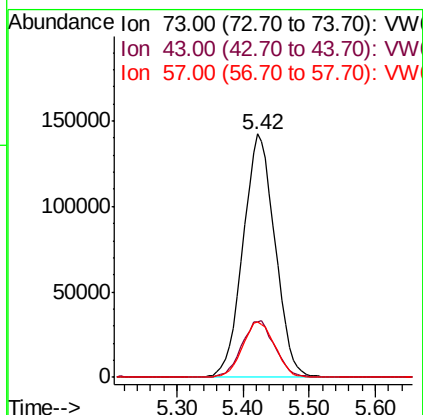
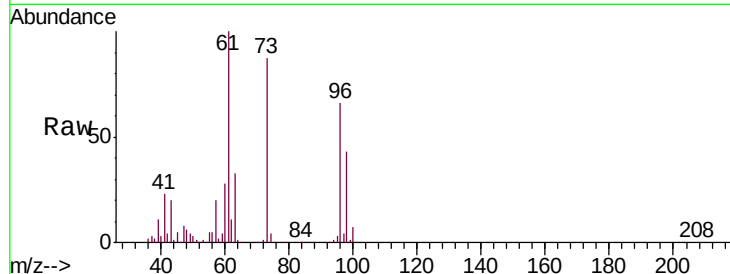




#17
Methyl tert-butyl Ether
Concen: 51.487 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

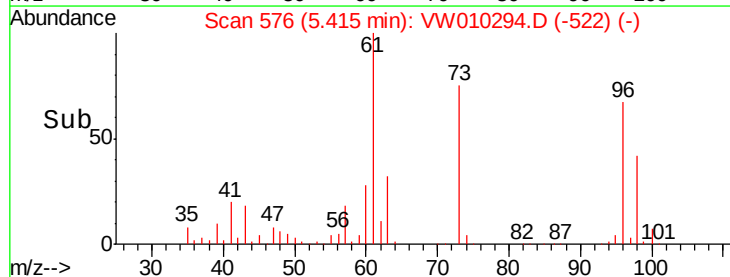
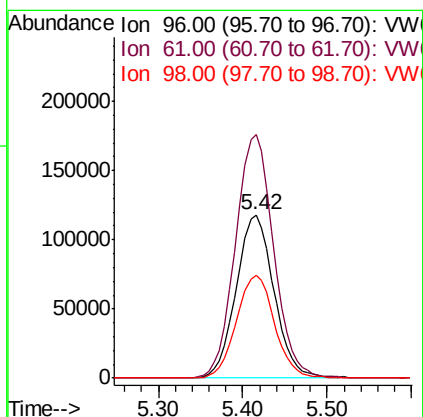
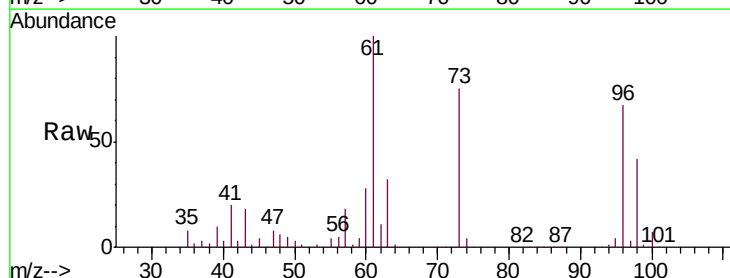
Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

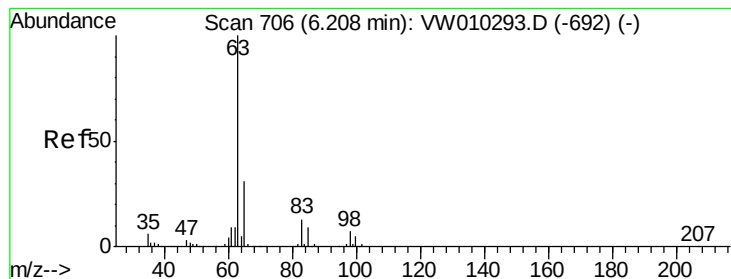
Tgt Ion: 73 Resp: 478340
Ion Ratio Lower Upper
73 100
43 23.8 19.5 29.3
57 23.2 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 49.206 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

Tgt Ion: 96 Resp: 359798
Ion Ratio Lower Upper
96 100
61 149.0 103.7 192.7
98 62.8 43.6 81.0





#19

1,1-Dichloroethane

Concen: 48.085 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.01 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05007

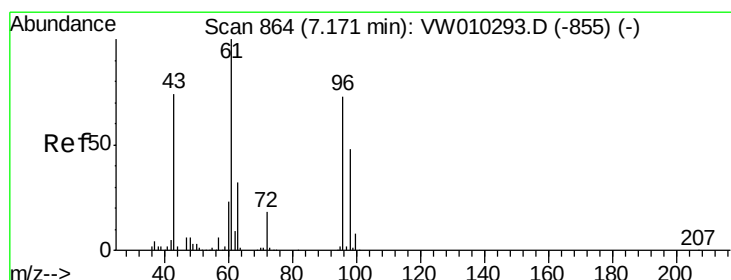
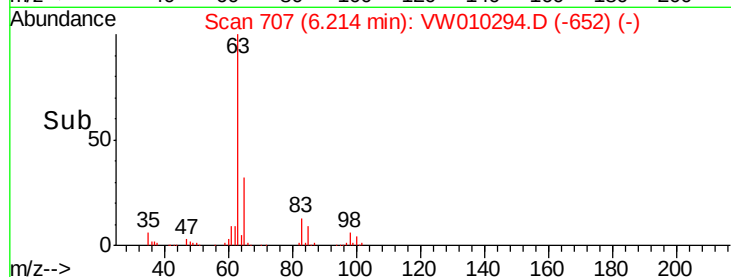
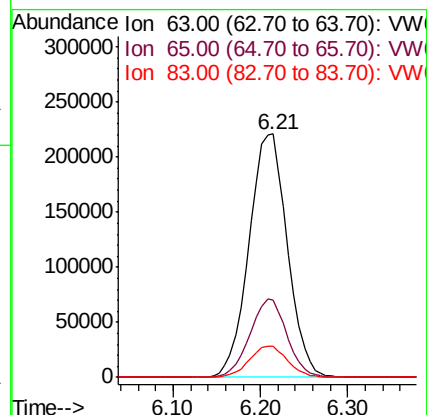
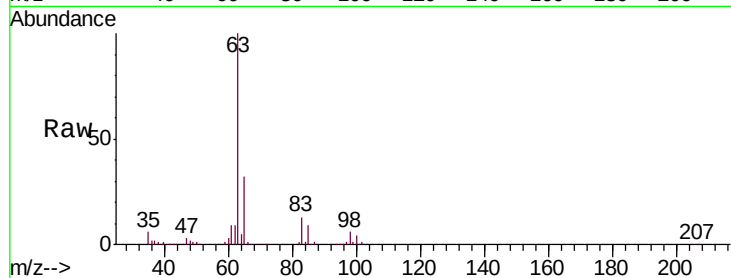
Tgt Ion: 63 Resp: 673946

Ion Ratio Lower Upper

63 100

65 32.0 21.8 40.4

83 12.9 9.2 17.2



#21

2-Butanone

Concen: 111.386 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010294.D

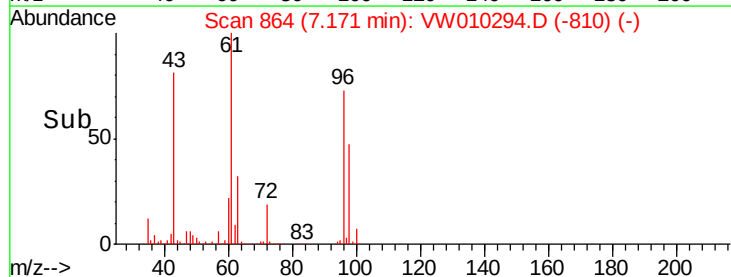
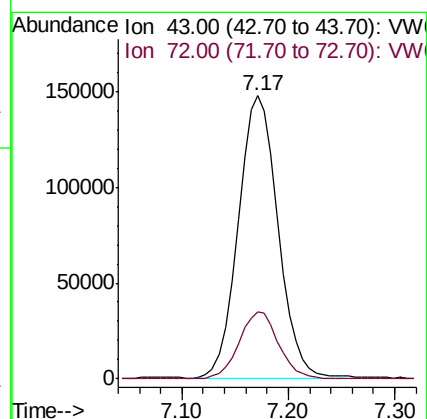
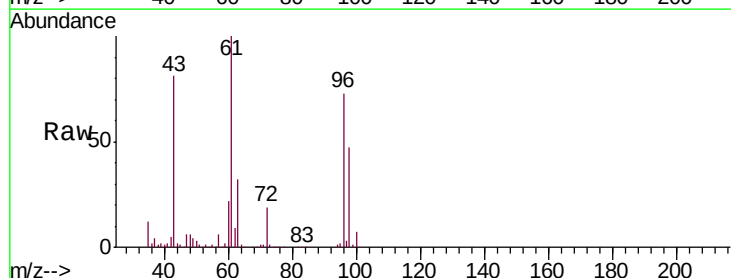
Acq: 07 May 2019 11:46

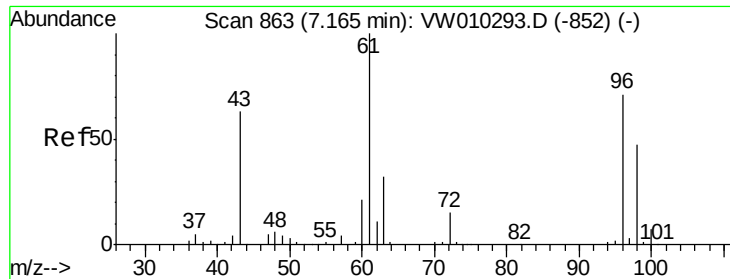
Tgt Ion: 43 Resp: 384025

Ion Ratio Lower Upper

43 100

72 23.7 11.7 35.1

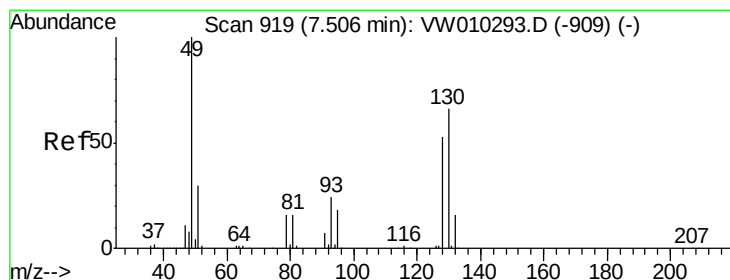
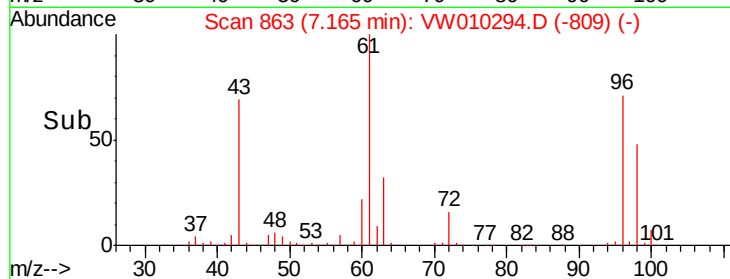
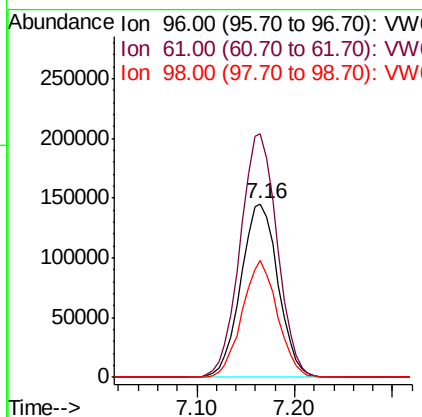
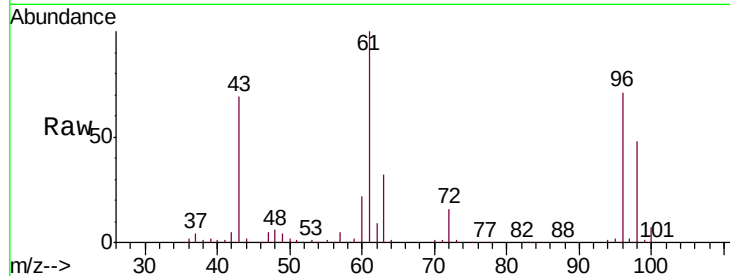




#22
 cis-1,2-Dichloroethene
 Concen: 50.863 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

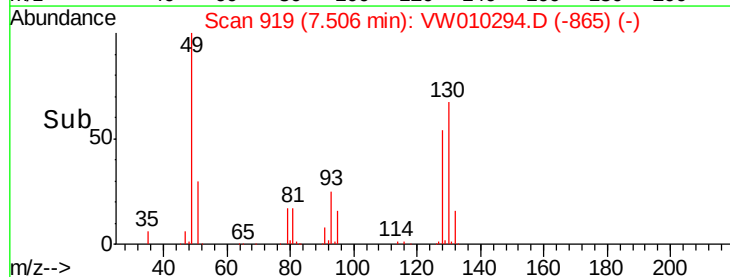
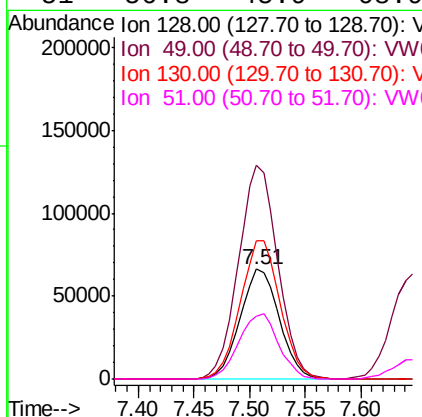
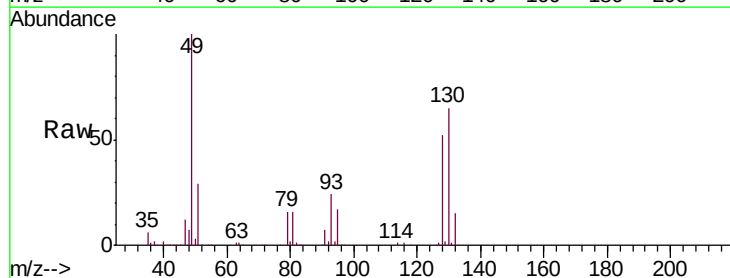
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05007

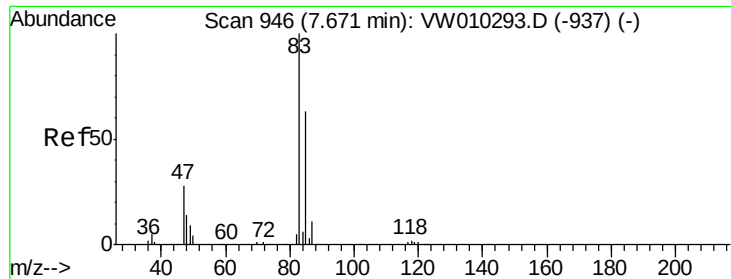
Tgt Ion: 96 Resp: 384038
 Ion Ratio Lower Upper
 96 100
 61 140.5 98.2 182.4
 98 67.5 45.8 85.2



#23
 Bromochloromethane
 Concen: 47.918 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

Tgt Ion: 128 Resp: 162323
 Ion Ratio Lower Upper
 128 100
 49 194.1 132.5 246.1
 130 125.6 86.7 161.1
 51 56.8 45.9 68.9





#25

Chloroform

Concen: 48.105 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

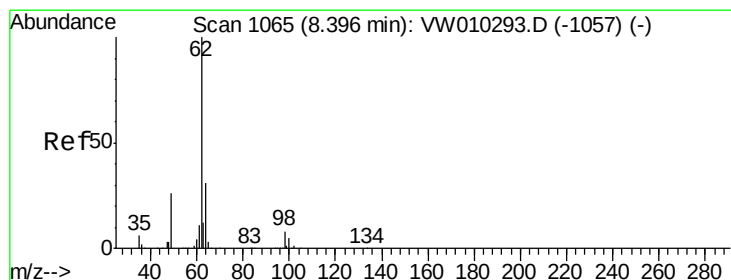
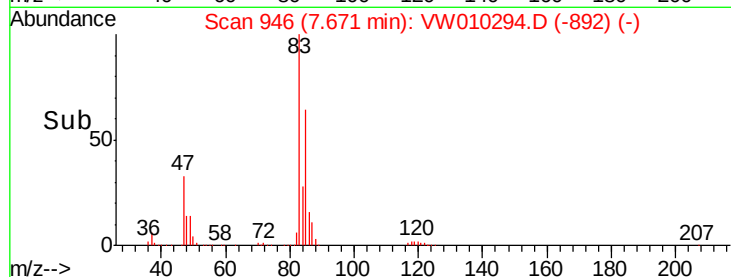
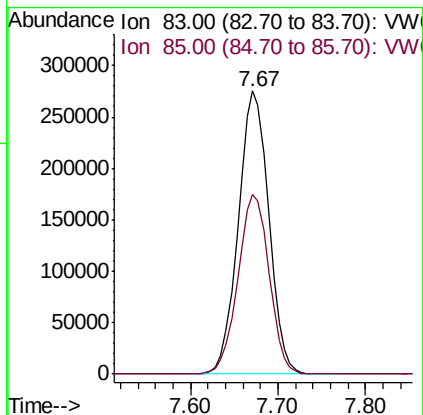
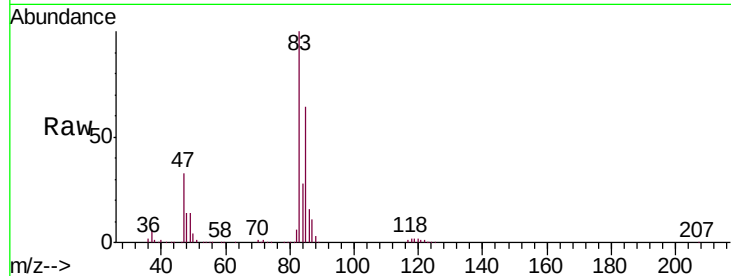
VSTD05007

Tgt Ion: 83 Resp: 665819

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.0



#27

1,2-Dichloroethane

Concen: 48.842 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010294.D

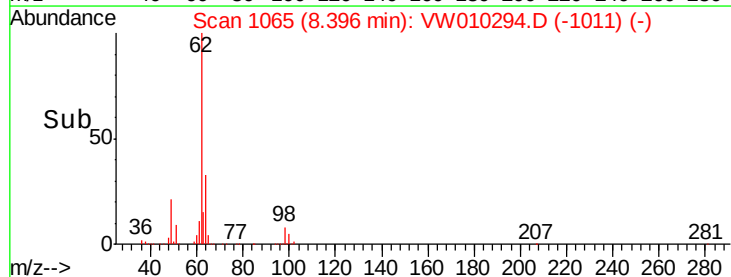
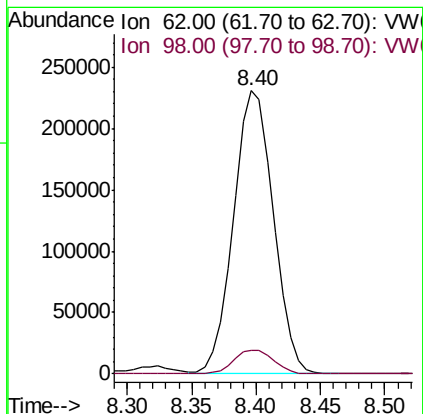
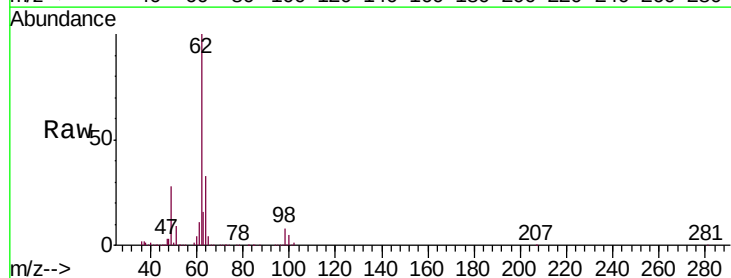
Acq: 07 May 2019 11:46

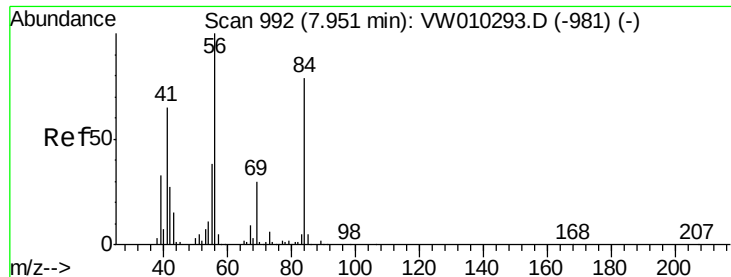
Tgt Ion: 62 Resp: 496143

Ion Ratio Lower Upper

62 100

98 8.2 6.2 9.4

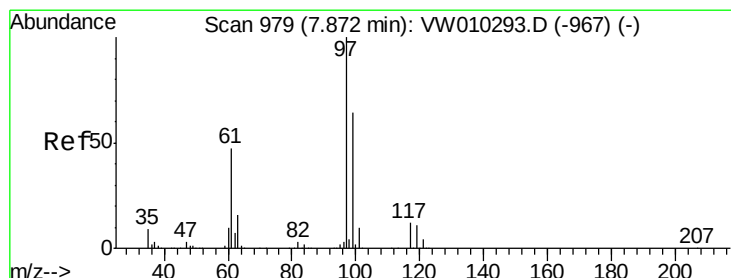
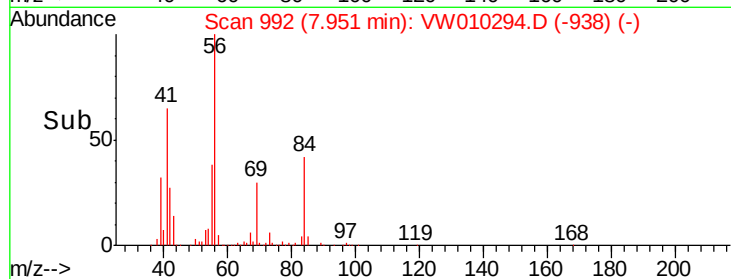
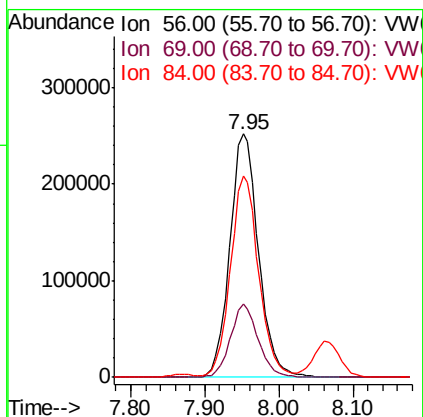
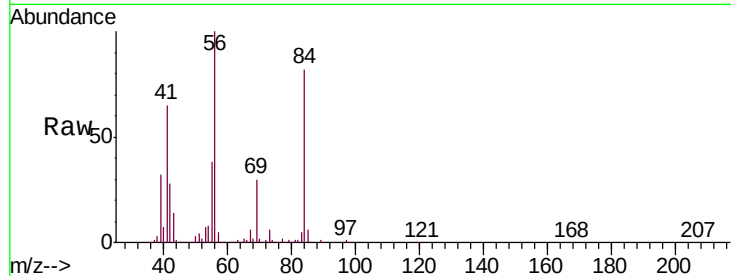




#30
Cyclohexane
Concen: 54.494 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

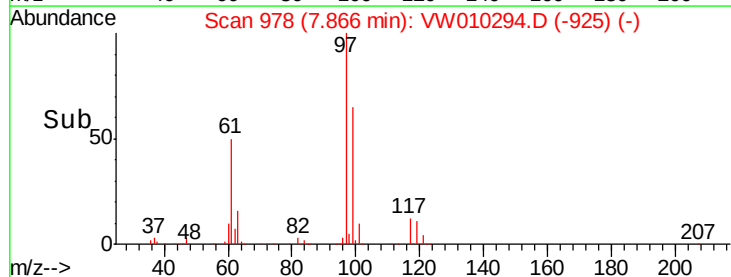
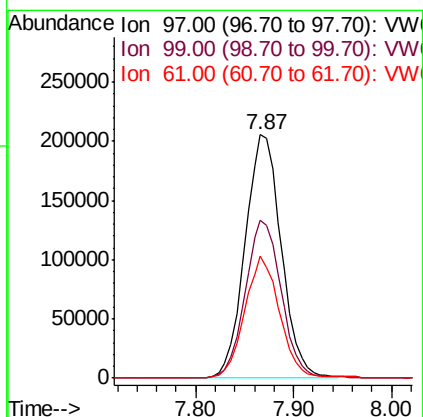
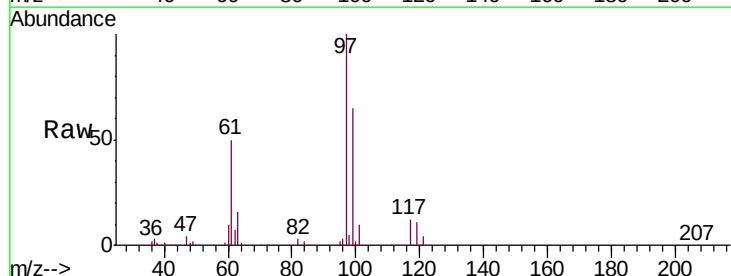
Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

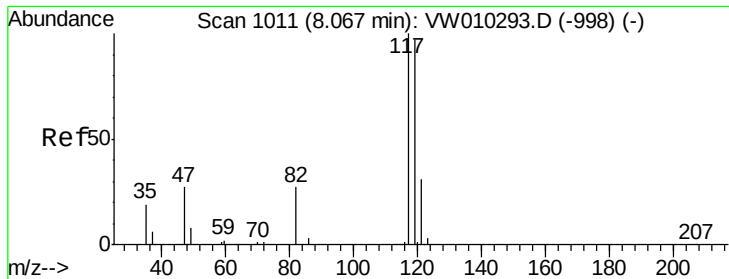
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.6	35.4
84	82.0	65.8	98.8



#31
1,1,1-Trichloroethane
Concen: 48.273 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	47.9	39.3	58.9





#32

Carbon tetrachloride

Concen: 49.638 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

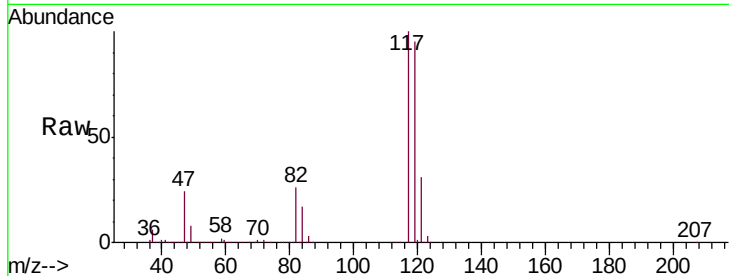
VSTD05007

Tgt Ion:117 Resp: 541643

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

8.07

250000

200000

150000

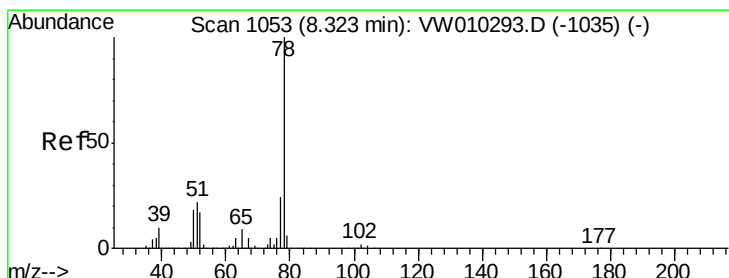
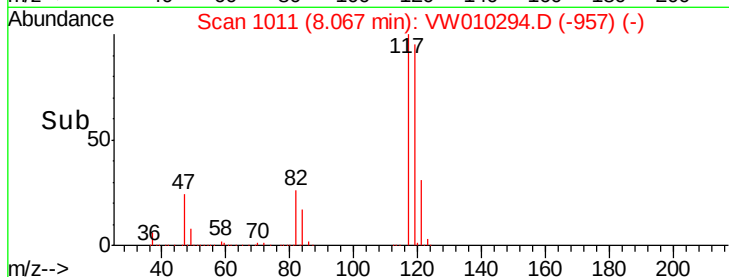
100000

50000

0

Time-->

7.90 8.00 8.10 8.20



#34

Benzene

Concen: 49.931 ug/L

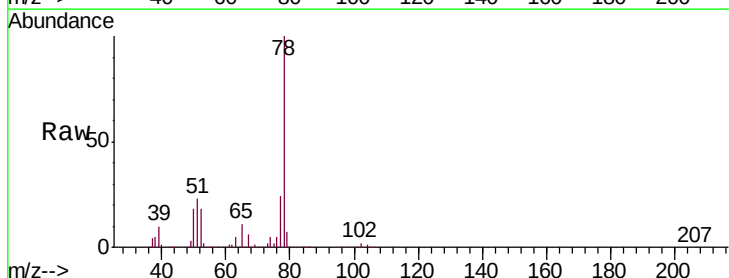
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Tgt Ion: 78 Resp: 1477490



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

600000

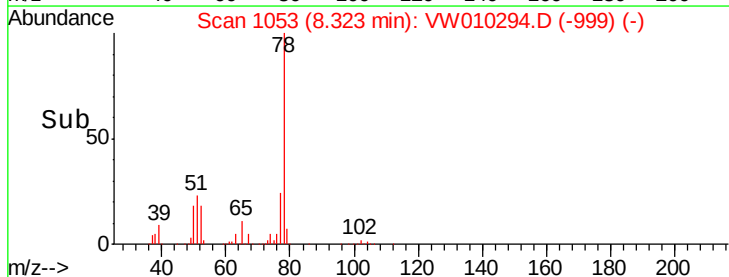
400000

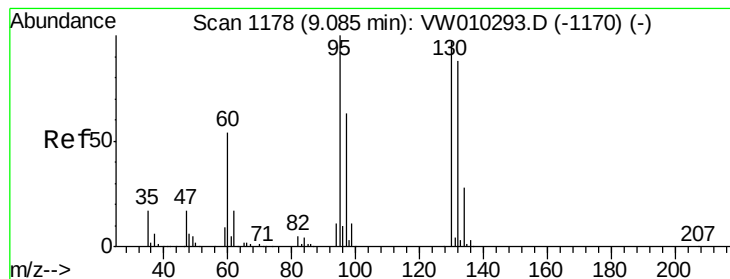
200000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 49.224 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05007

Tgt Ion: 95 Resp: 384864

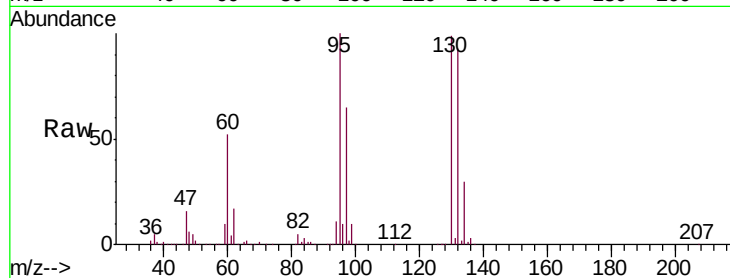
Ion Ratio Lower Upper

95 100

97 64.4 44.8 83.2

132 93.0 64.7 120.1

130 98.2 68.3 126.9



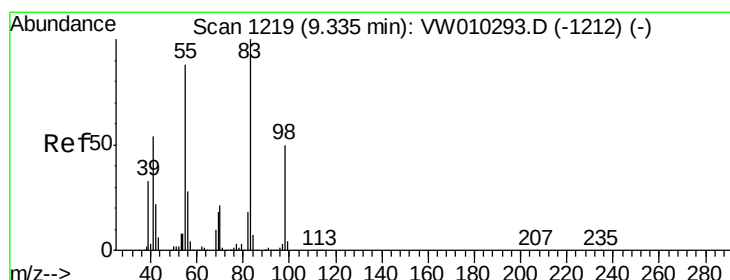
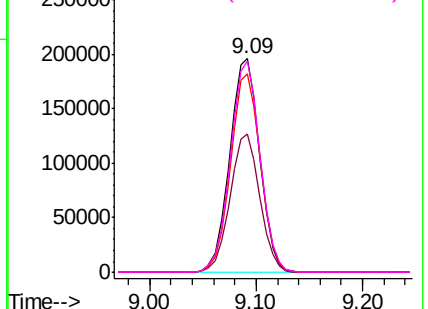
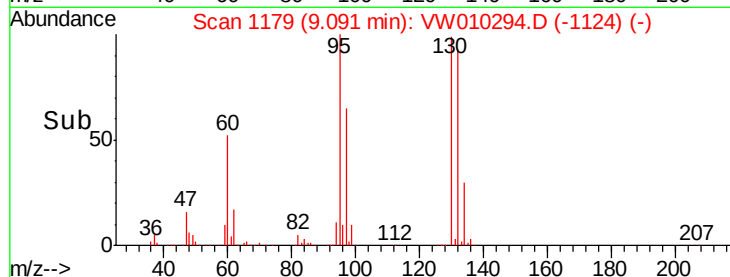
Abundance

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: 52.744 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

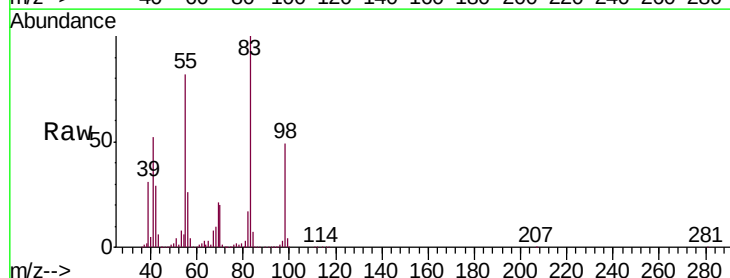
Tgt Ion: 83 Resp: 696560

Ion Ratio Lower Upper

83 100

55 84.3 67.2 100.8

98 49.2 38.7 58.1

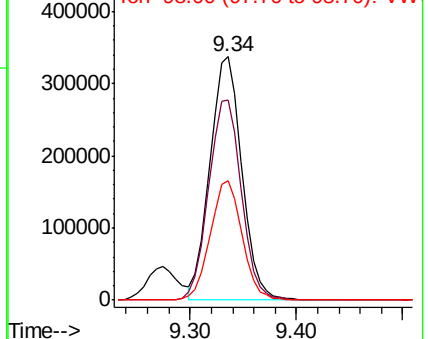
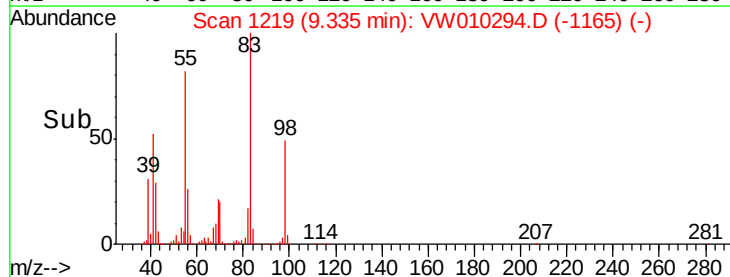


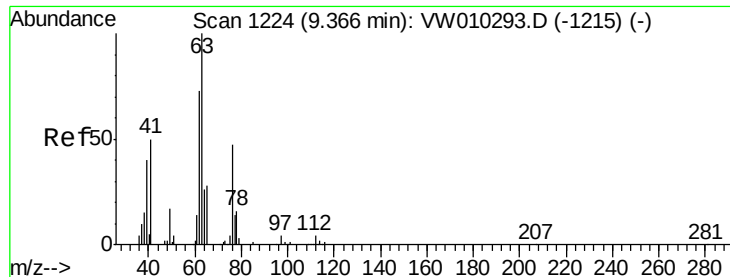
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 48.922 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

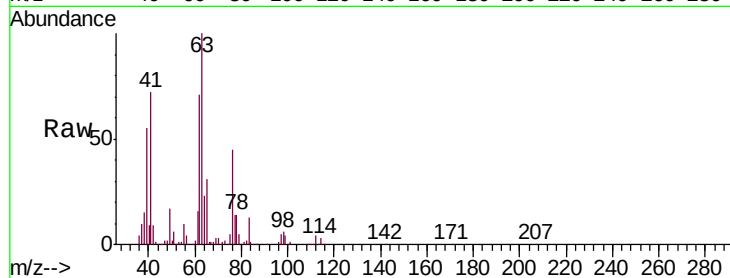
VSTD05007

Tgt Ion: 63 Resp: 369411

Ion Ratio Lower Upper

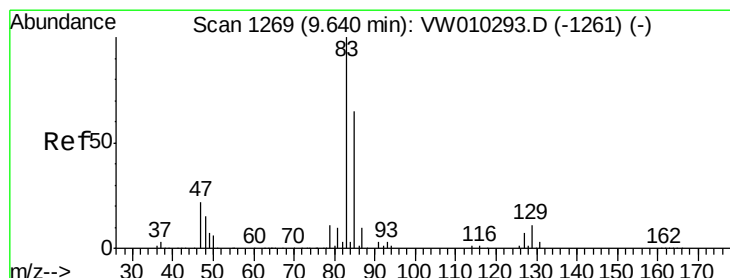
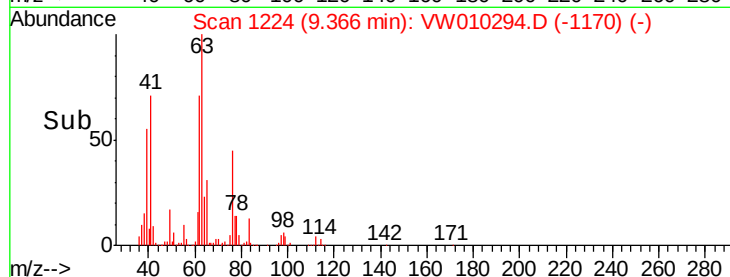
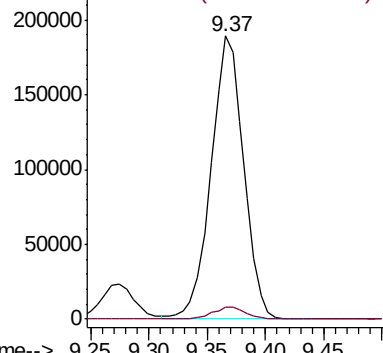
63 100

112 4.3 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 49.809 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

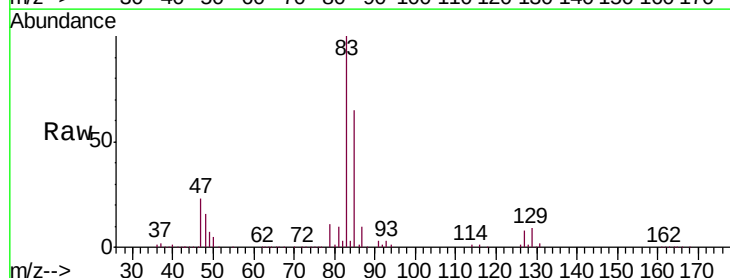
Tgt Ion: 83 Resp: 486700

Ion Ratio Lower Upper

83 100

85 64.8 45.5 84.5

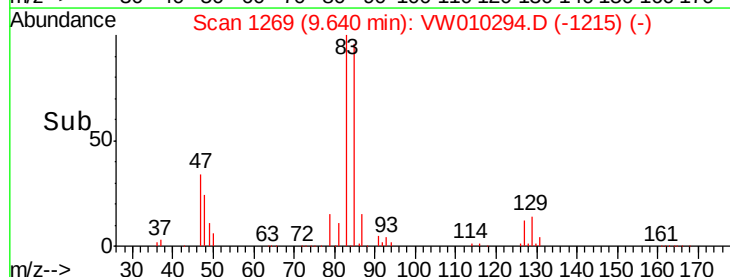
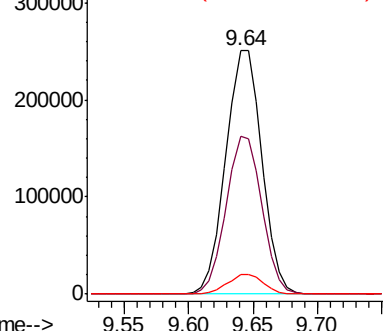
127 7.8 5.6 8.4

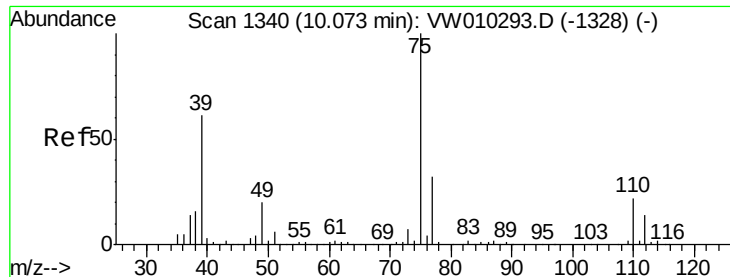


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 52.699 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

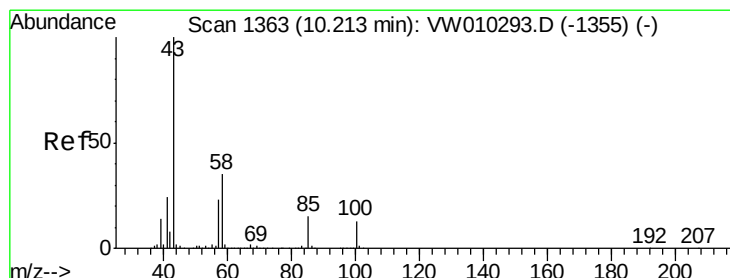
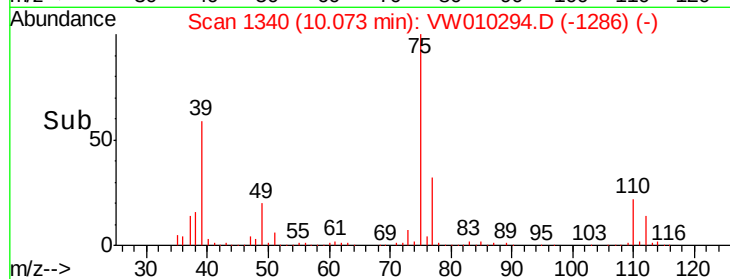
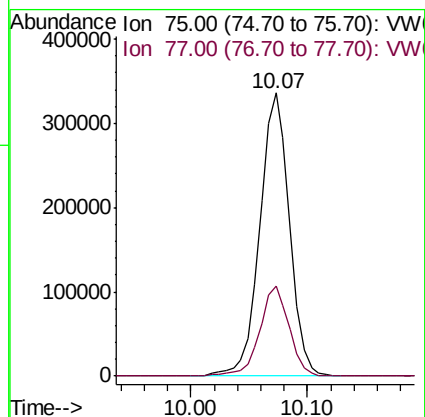
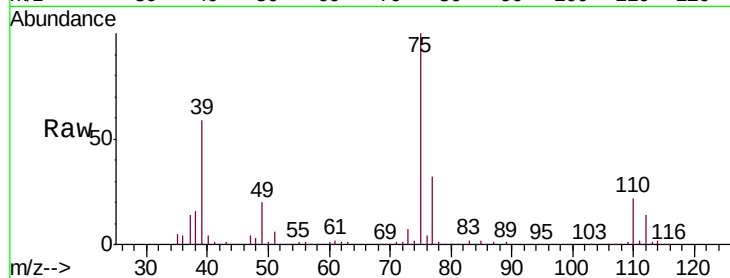
VSTD05007

Tgt Ion: 75 Resp: 595458

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 111.914 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

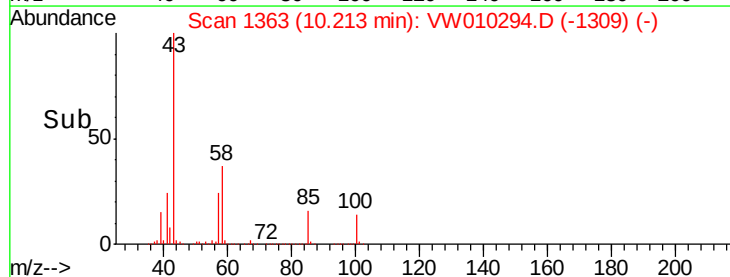
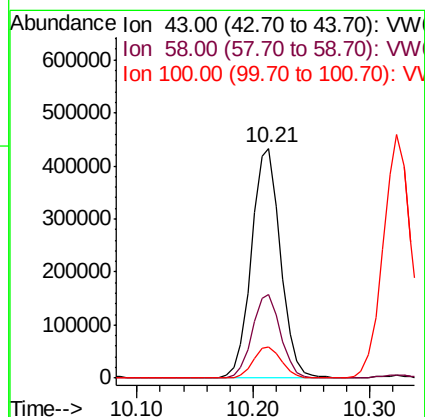
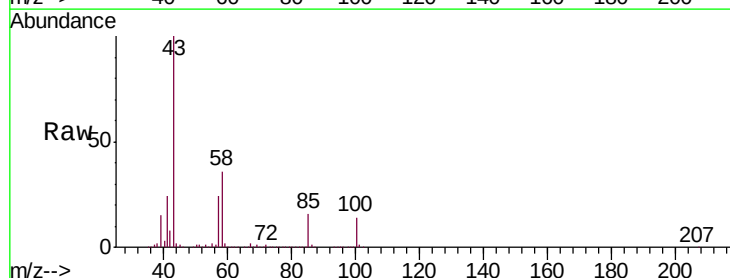
Tgt Ion: 43 Resp: 752829

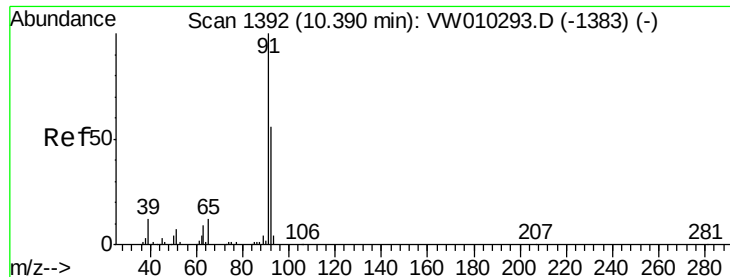
Ion Ratio Lower Upper

43 100

58 35.8 28.3 42.5

100 13.4 10.5 15.7





#44

Toluene

Concen: 51.273 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

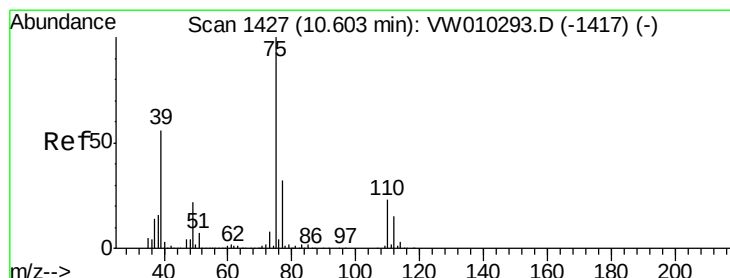
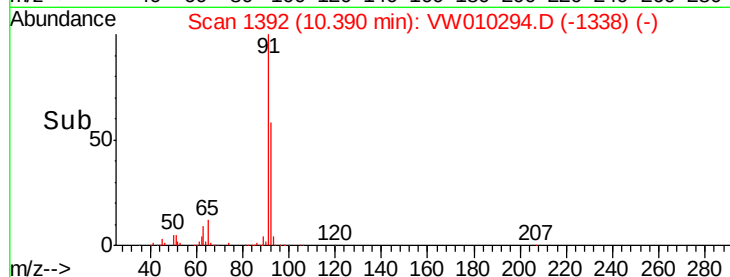
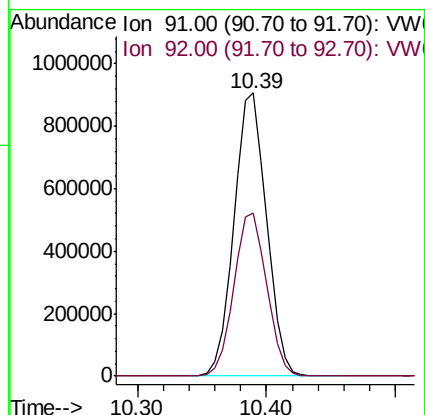
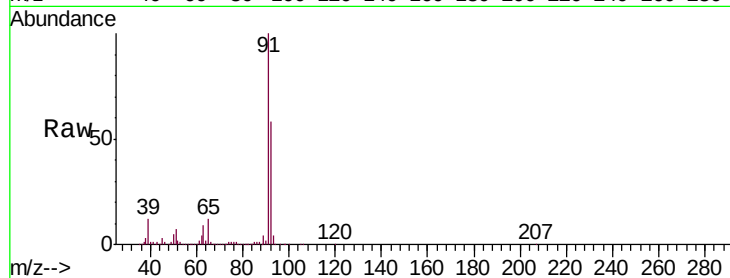
VSTD05007

Tgt Ion: 91 Resp: 1588968

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 52.298 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010294.D

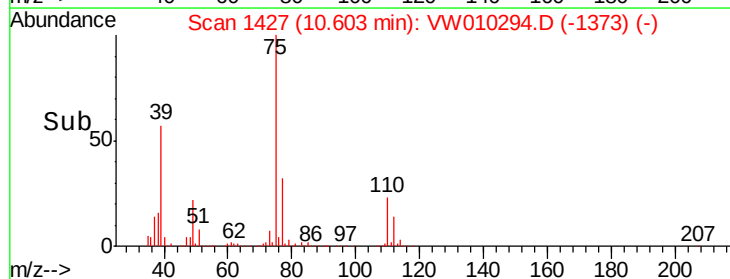
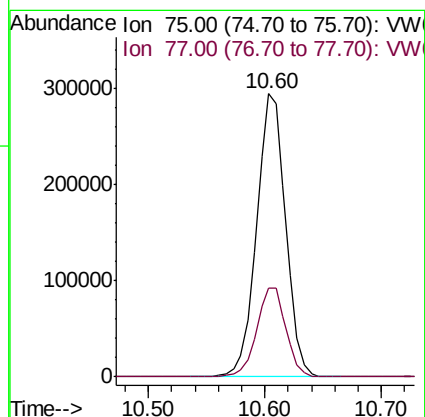
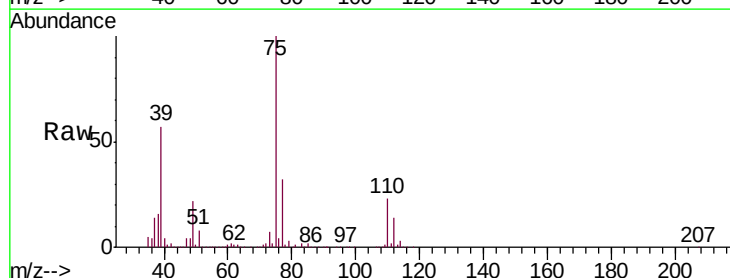
Acq: 07 May 2019 11:46

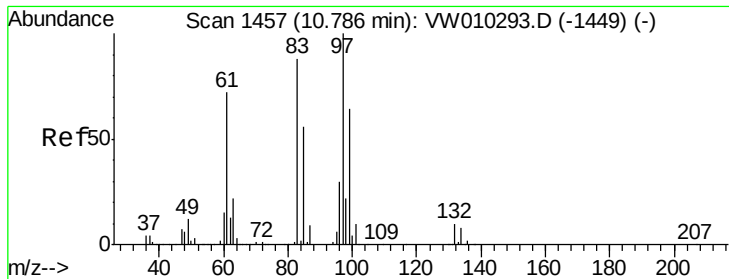
Tgt Ion: 75 Resp: 509544

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

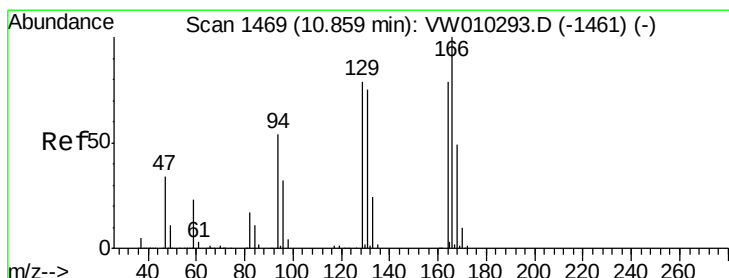
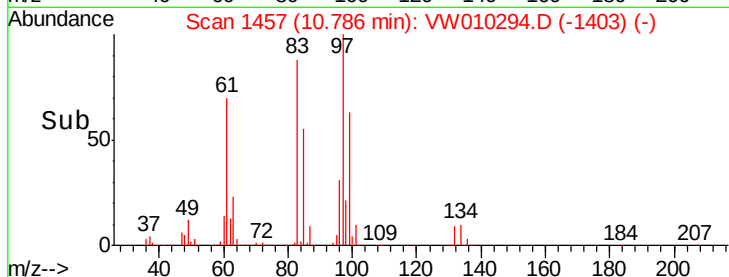
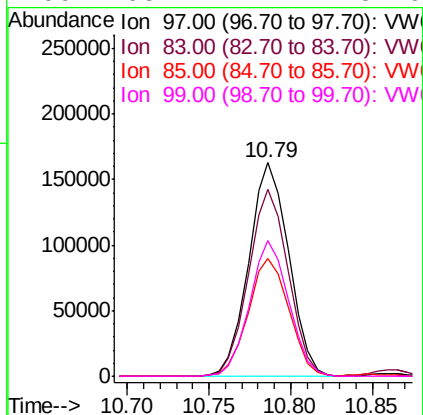
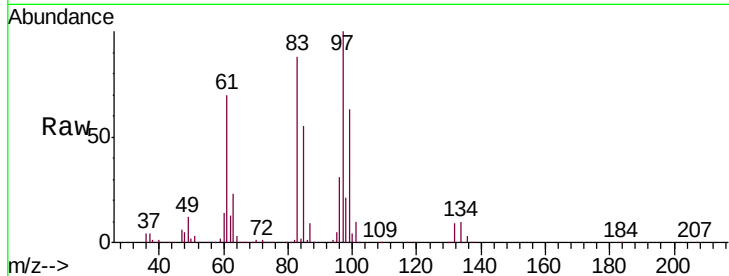




#46
1,1,2-Trichloroethane
Concen: 49.242 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

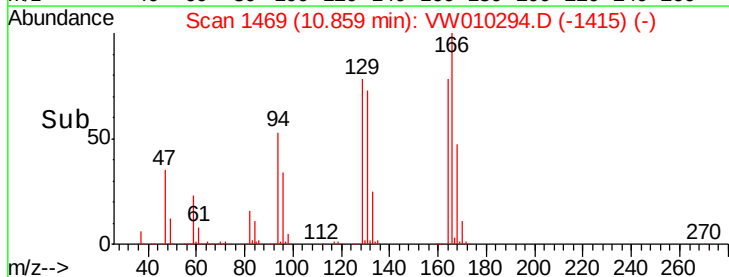
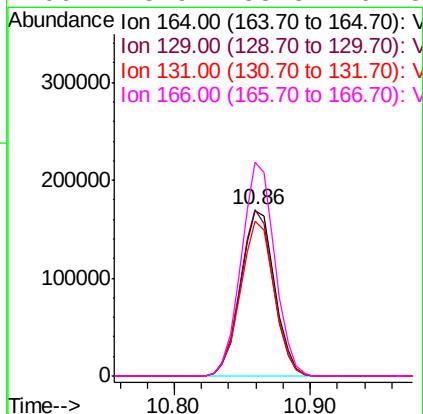
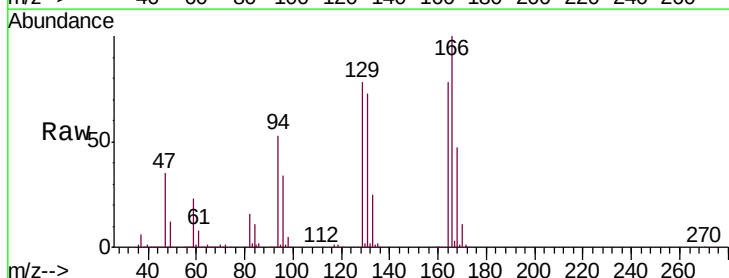
Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

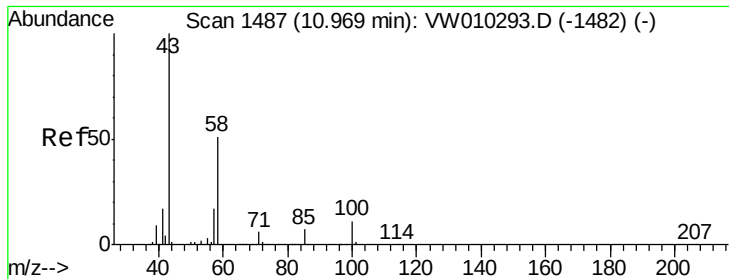
Tgt Ion:	97	Resp:	277721
Ion	Ratio	Lower	Upper
97	100		
83	87.7	61.2	113.8
85	55.1	39.3	72.9
99	63.4	44.7	82.9



#47
Tetrachloroethene
Concen: 49.968 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

Tgt Ion:	164	Resp:	295392
Ion	Ratio	Lower	Upper
164	100		
129	100.3	70.1	130.3
131	93.7	66.2	123.0
166	128.9	88.8	164.8

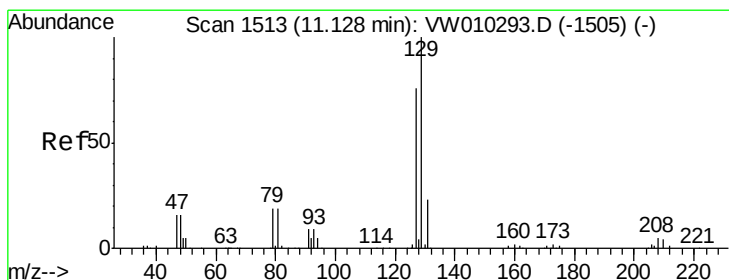
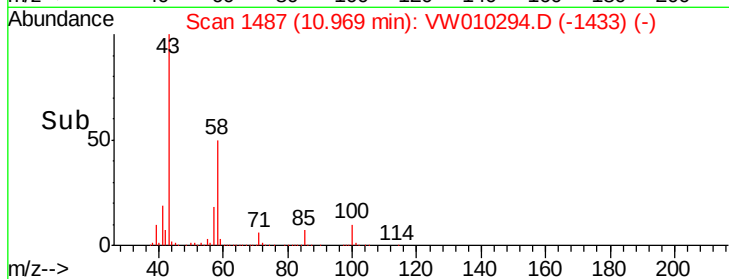
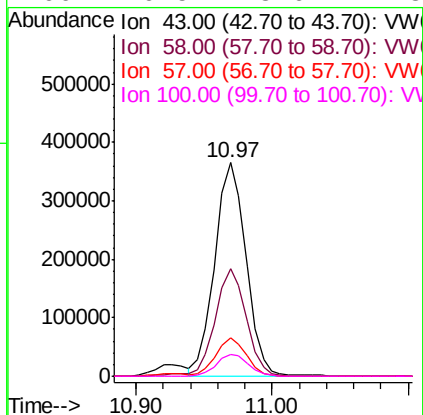
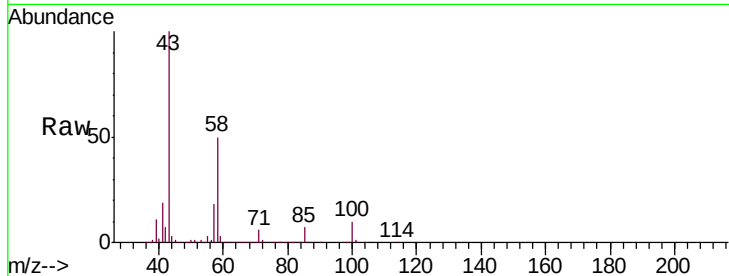




#49
2-Hexanone
Concen: 114.596 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

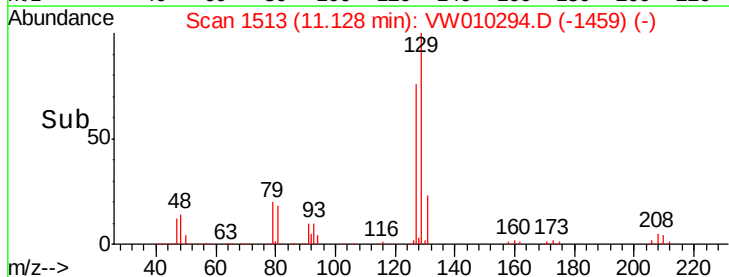
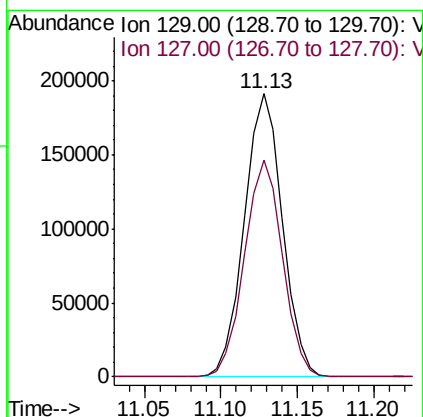
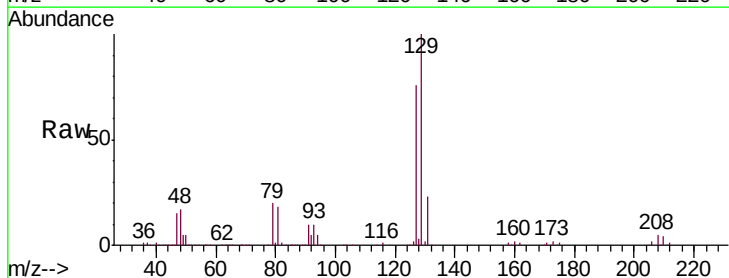
Instrument :
MSVOA_W
ClientSampleId :
VSTD05007

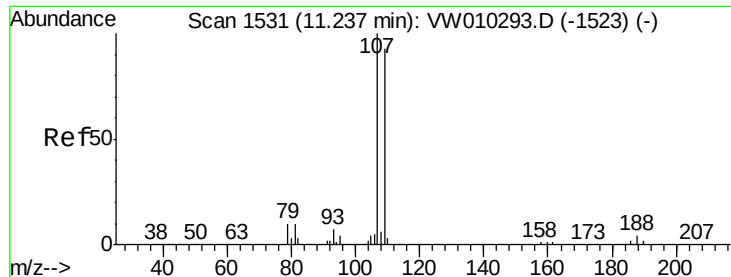
Tgt Ion: 43 Resp: 584600
Ion Ratio Lower Upper
43 100
58 49.7 39.2 58.8
57 17.4 14.1 21.1
100 10.5 8.6 12.8



#50
Dibromochloromethane
Concen: 51.171 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

Tgt Ion: 129 Resp: 331980
Ion Ratio Lower Upper
129 100
127 76.5 53.3 99.1





#51

1,2-Dibromoethane

Concen: 50.815 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05007

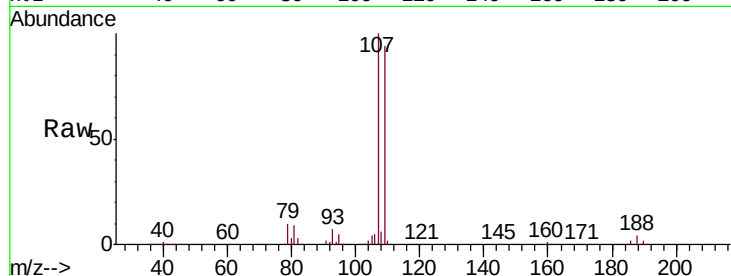
Tgt Ion:107 Resp: 282296

Ion Ratio Lower Upper

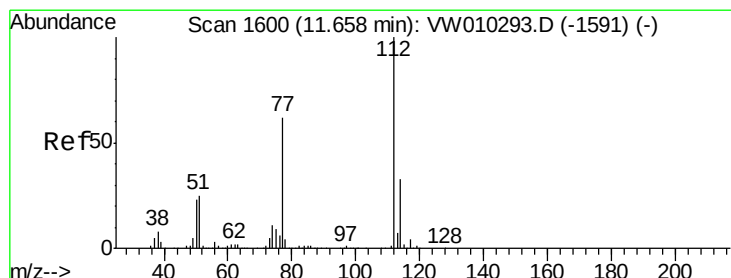
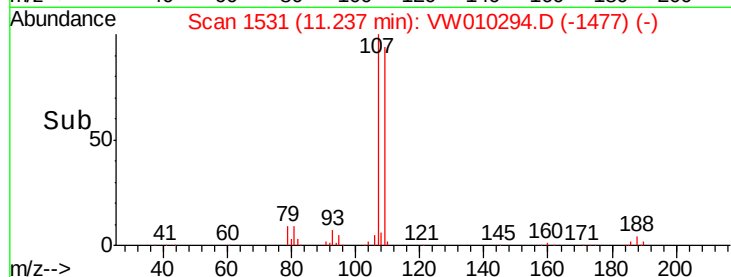
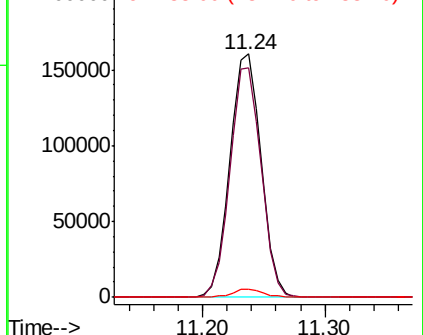
107 100

109 94.5 65.3 121.3

188 3.5 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: 49.586 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

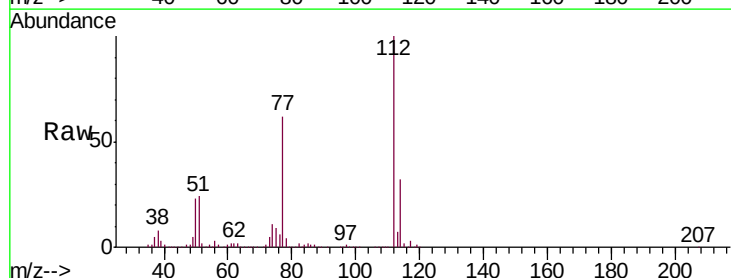
Tgt Ion:112 Resp: 959983

Ion Ratio Lower Upper

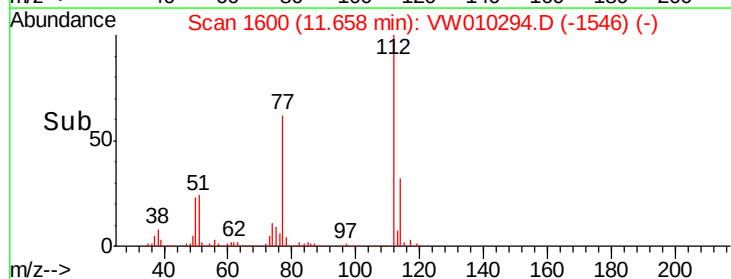
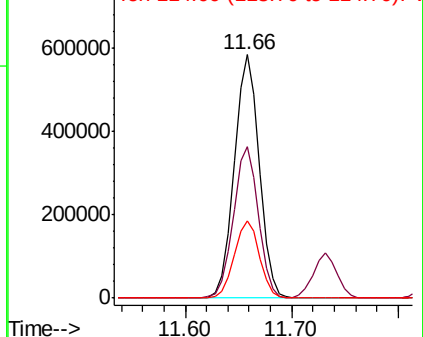
112 100

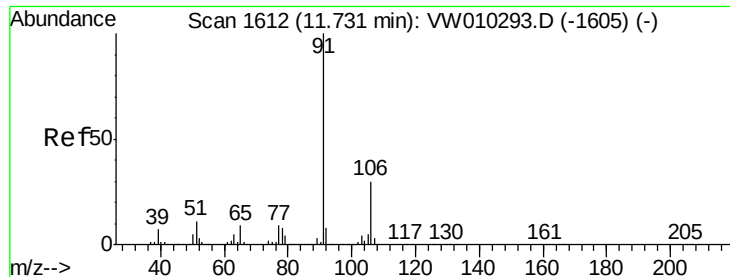
77 62.3 49.3 73.9

114 31.8 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 52.436 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

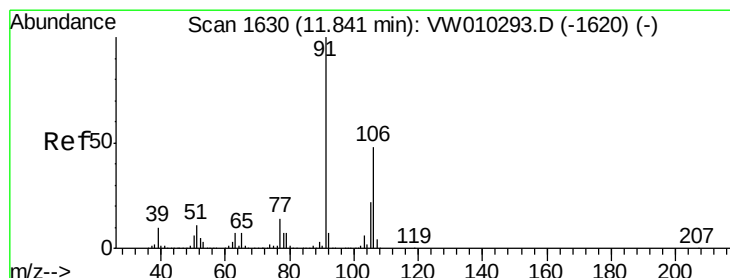
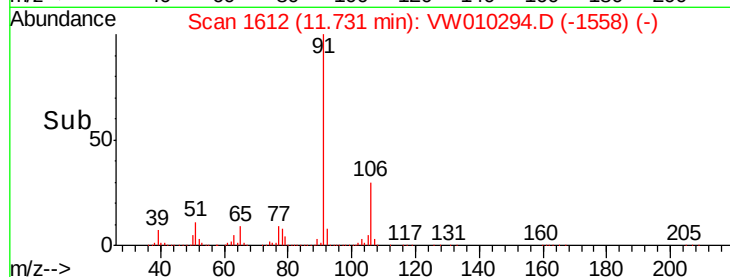
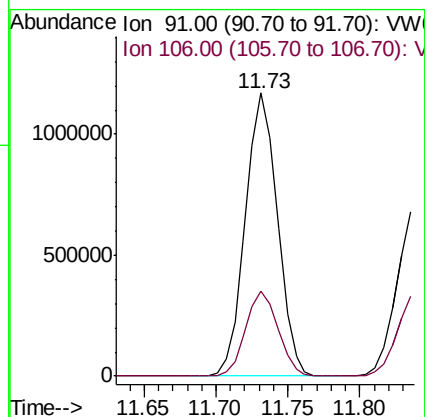
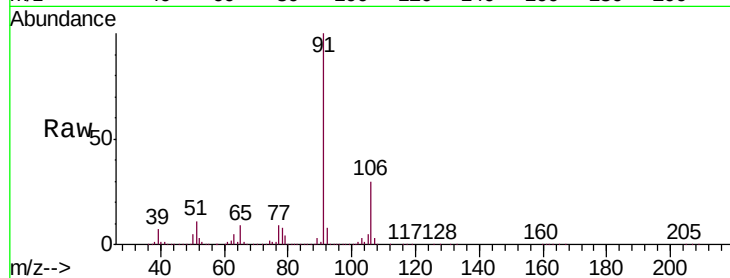
VSTD05007

Tgt Ion: 91 Resp: 1813821

Ion Ratio Lower Upper

91 100

106 30.0 21.0 39.0



#54

m,p-Xylene

Concen: 53.253 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010294.D

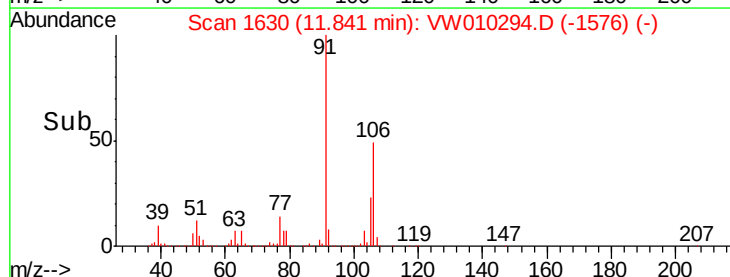
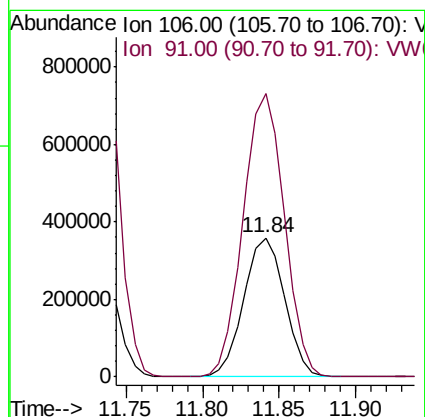
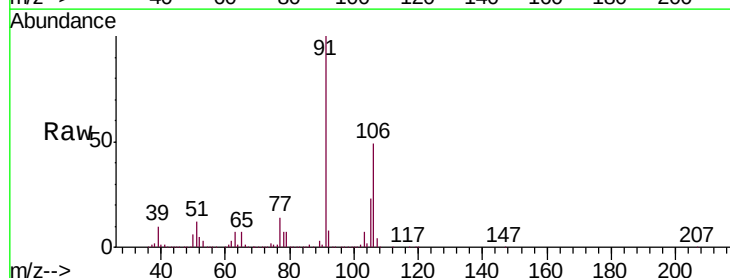
Acq: 07 May 2019 11:46

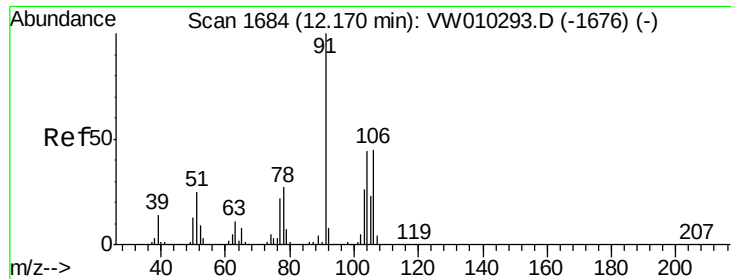
Tgt Ion: 106 Resp: 670130

Ion Ratio Lower Upper

106 100

91 203.7 145.5 270.1

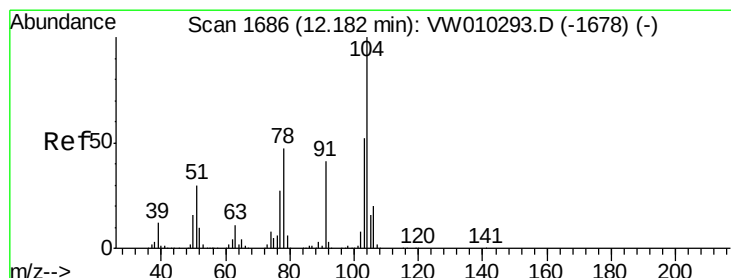
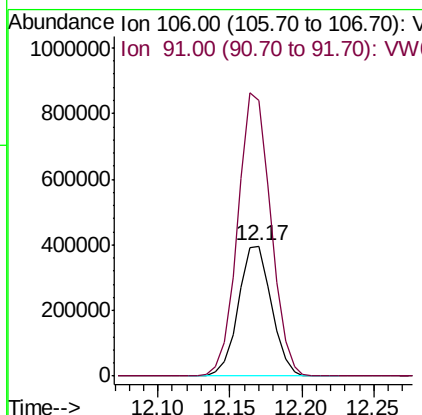
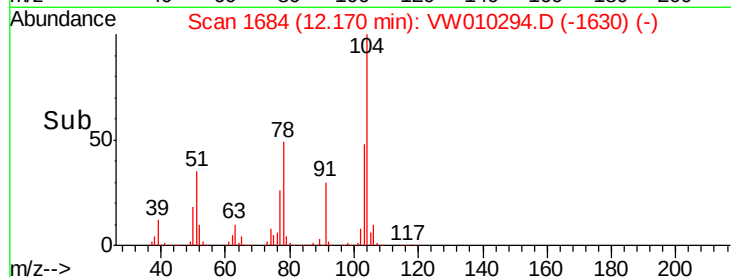
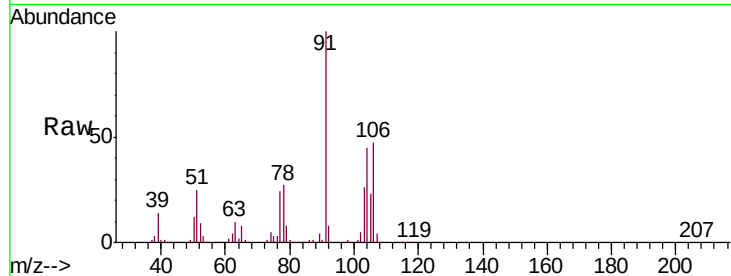




#55
o-xylene
Concen: 53.944 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

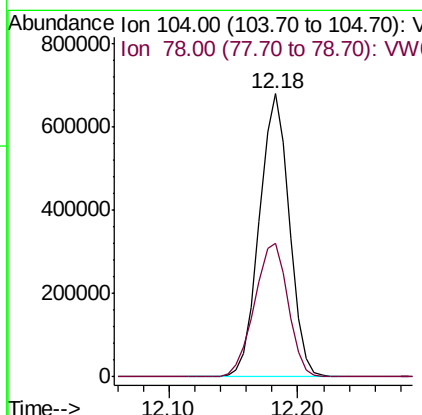
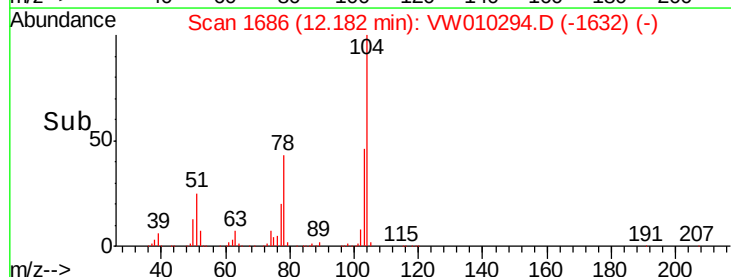
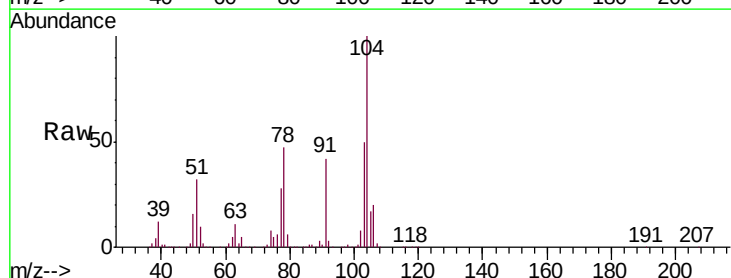
Instrument :
MSVOA_W
ClientSampled :
VSTD05007

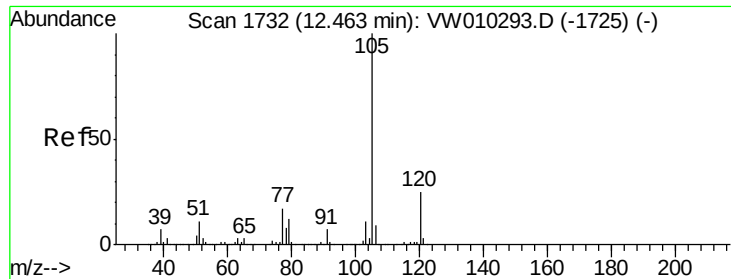
Tgt Ion:106 Resp: 631937
Ion Ratio Lower Upper
106 100
91 211.7 154.6 287.2



#56
Styrene
Concen: 54.003 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010294.D
Acq: 07 May 2019 11:46

Tgt Ion:104 Resp: 1091640
Ion Ratio Lower Upper
104 100
78 47.1 33.3 61.9





#57

Isopropylbenzene

Concen: 54.583 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05007

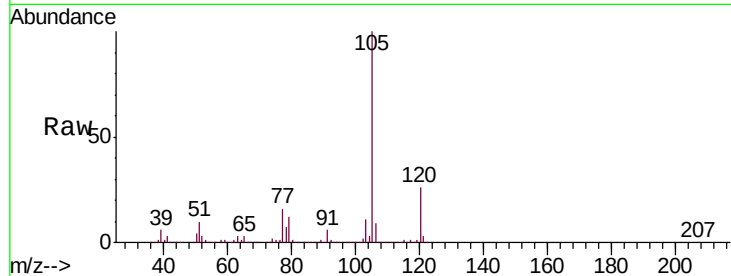
Tgt Ion: 105 Resp: 1757247

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

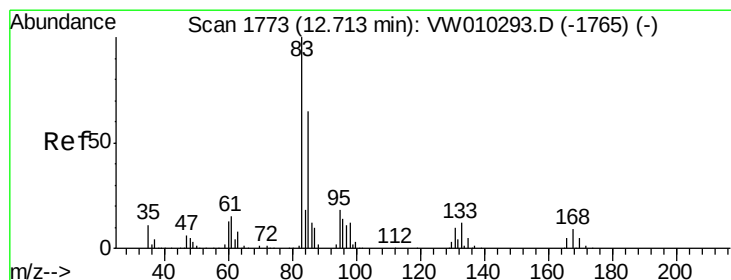
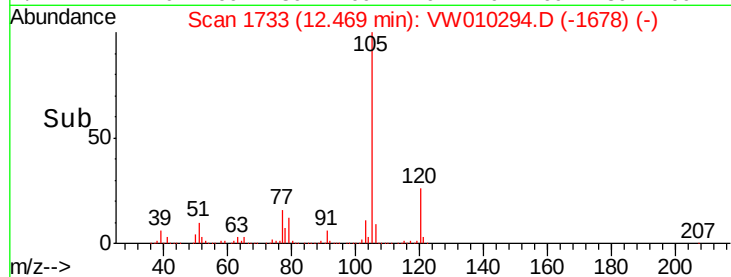
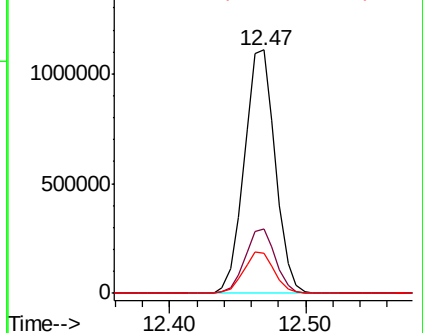
77 16.8 13.5 20.3



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: 50.793 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

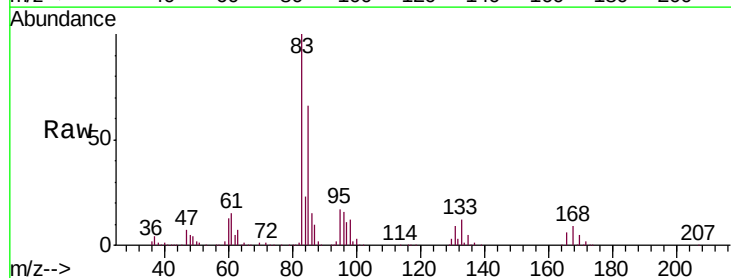
Tgt Ion: 83 Resp: 393713

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.8

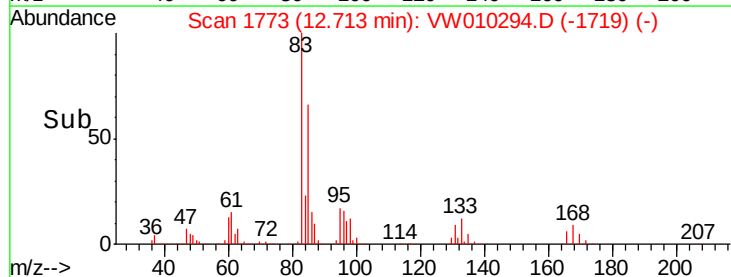
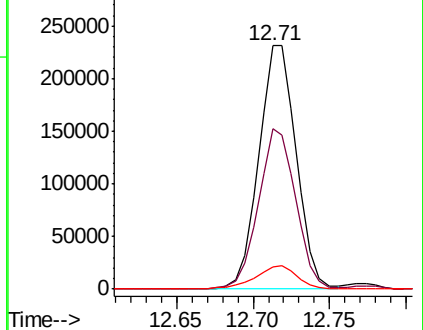
131 9.2 8.2 12.4

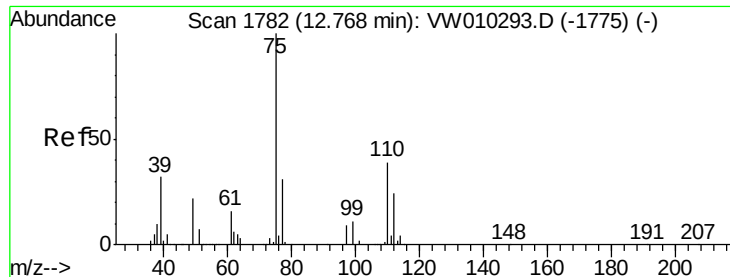


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.751 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

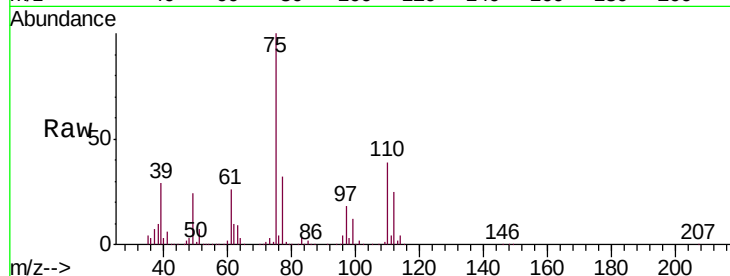
VSTD05007

Tgt Ion: 75 Resp: 307937

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

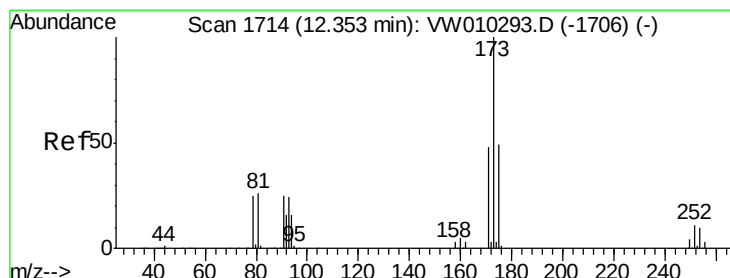
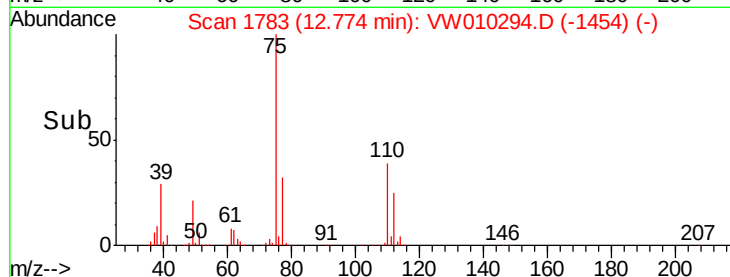
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 49.781 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

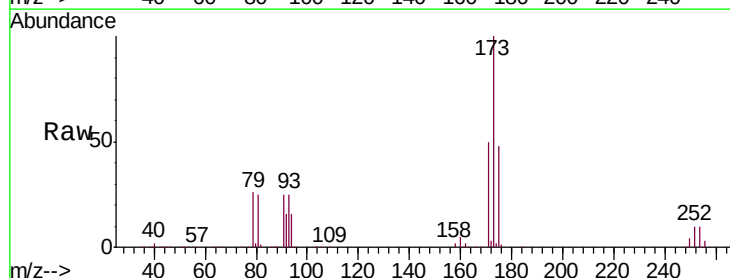
Tgt Ion: 173 Resp: 204460

Ion Ratio Lower Upper

173 100

175 48.0 39.4 59.2

254 9.6 7.5 11.3



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

12.35

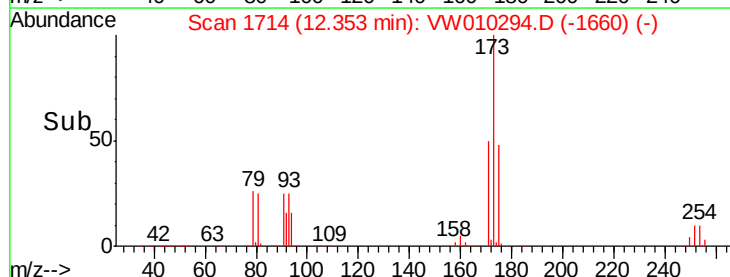
150000

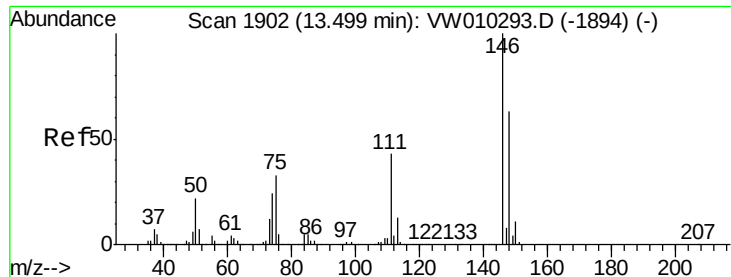
100000

50000

0

Time-->

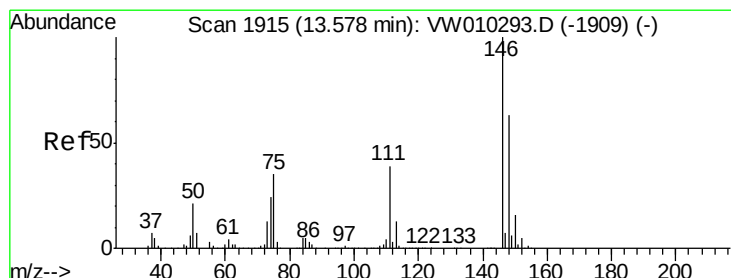
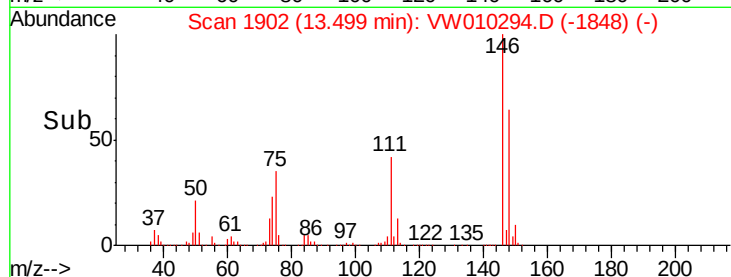
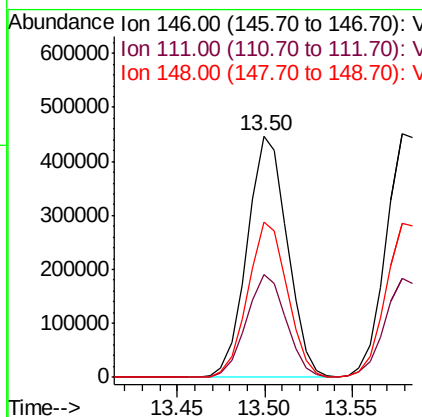
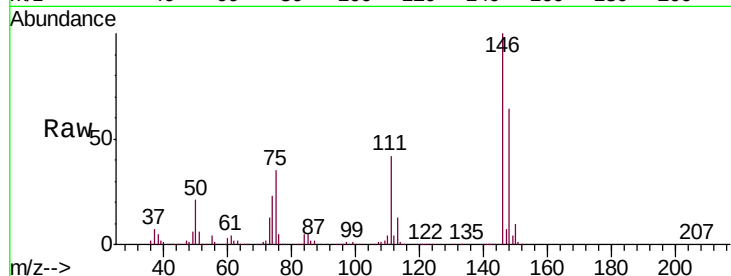




#63
 1,3-Dichlorobenzene
 Concen: 50.194 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

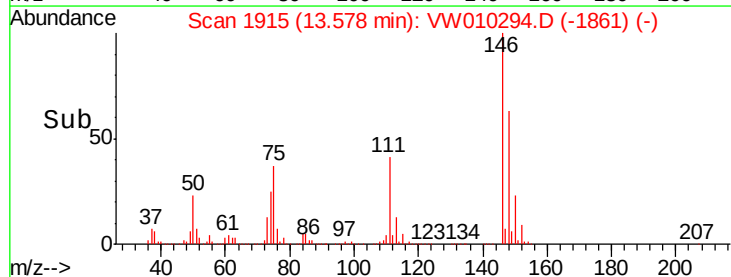
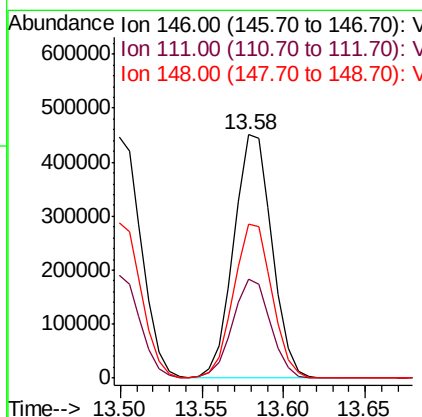
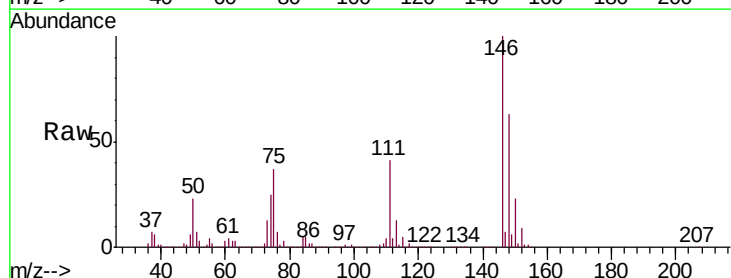
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05007

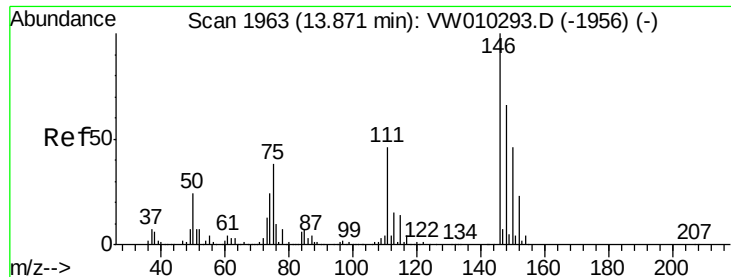
Tgt Ion:146 Resp: 713703
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.0 55.8
 148 64.2 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 47.768 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

Tgt Ion:146 Resp: 735582
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.4 51.0
 148 63.2 44.0 81.6

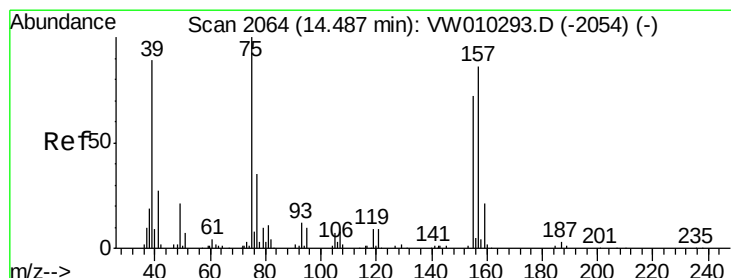
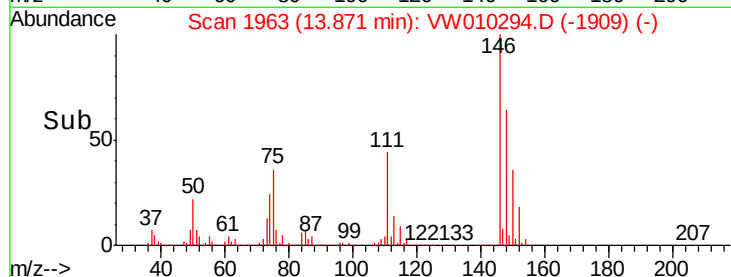
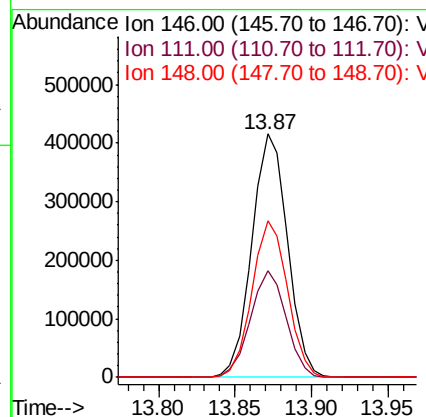
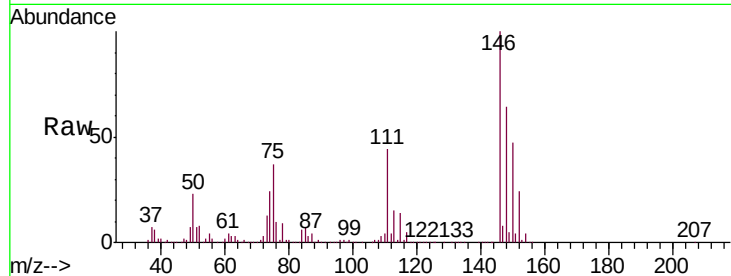




#65
 1,2-Dichlorobenzene
 Concen: 49.317 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

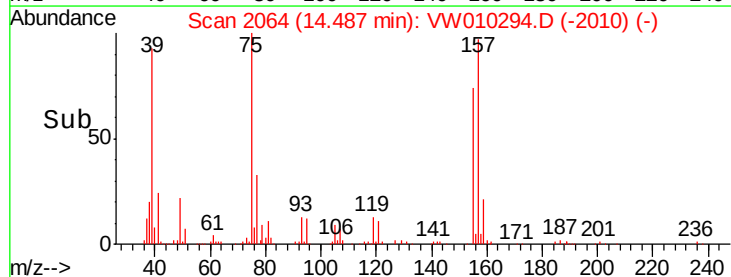
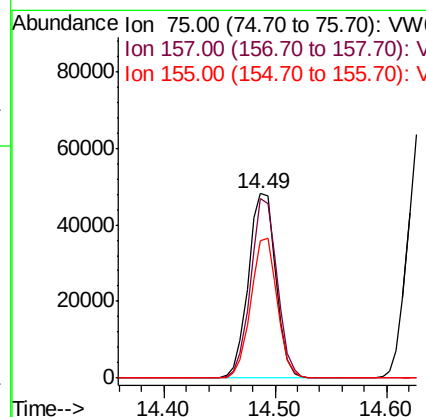
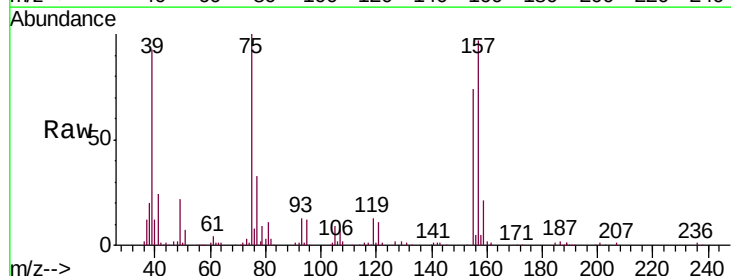
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD05007

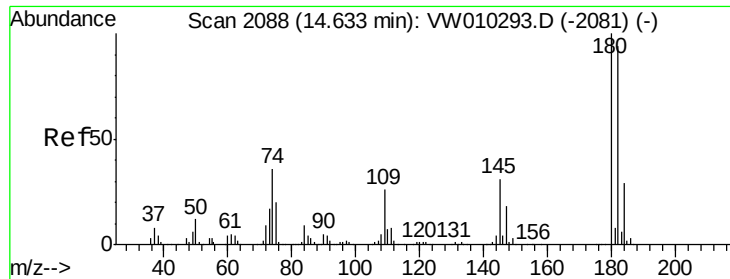
Tgt Ion: 146 Resp: 674691
 Ion Ratio Lower Upper
 146 100
 111 43.9 36.8 55.2
 148 64.5 52.9 79.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.480 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

Tgt Ion: 75 Resp: 82294
 Ion Ratio Lower Upper
 75 100
 157 97.3 68.6 103.0
 155 74.2 57.3 85.9

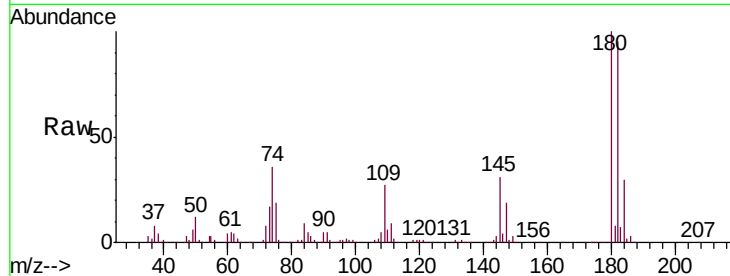




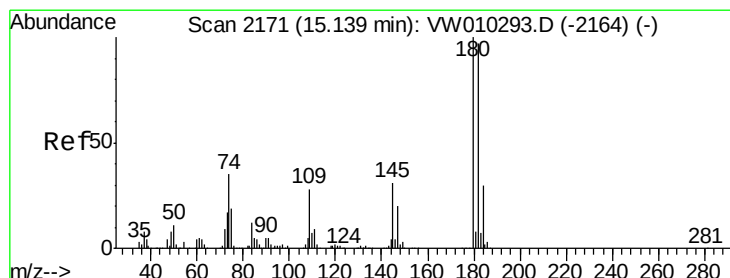
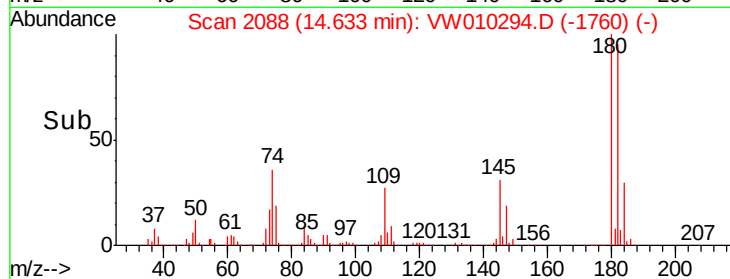
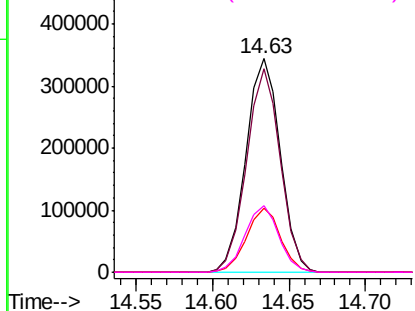
#67
 1,3,5-Trichlorobenzene
 Concen: 50.384 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD05007

Tgt Ion:	180	Resp:	536619
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.4	113.0
184	29.7	23.8	35.8
145	30.8	24.6	36.8

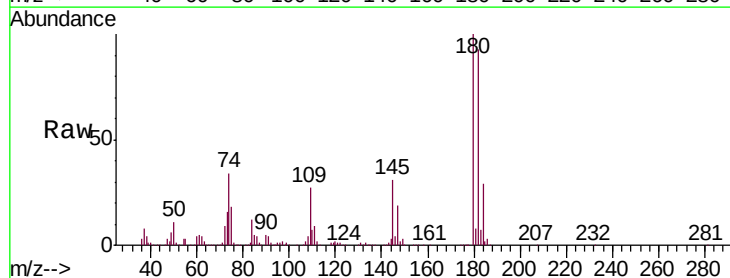


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

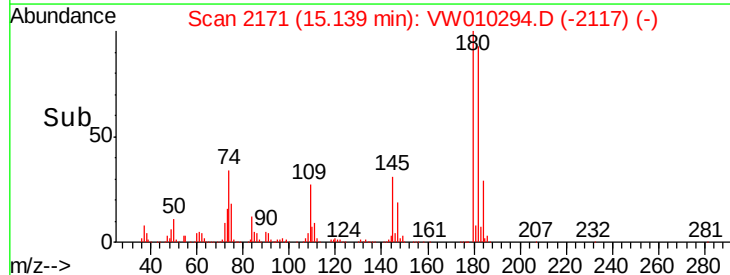
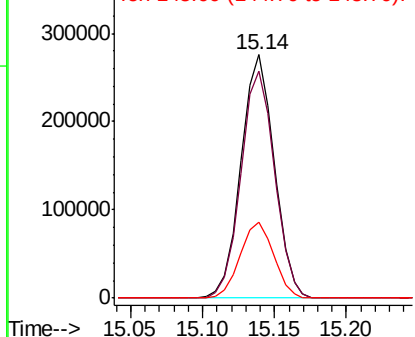


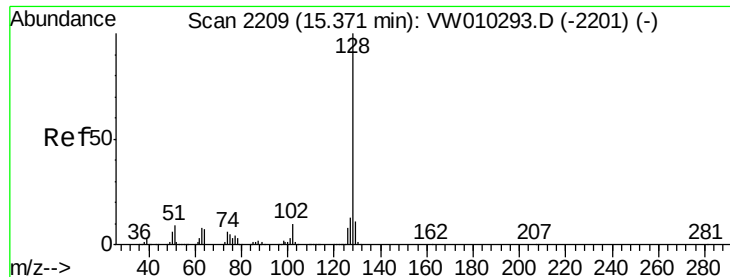
#68
 1,2,4-trichlorobenzene
 Concen: 52.400 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010294.D
 Acq: 07 May 2019 11:46

Tgt Ion:	180	Resp:	441675
Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.0	115.6
145	31.4	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: 57.918 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTD05007

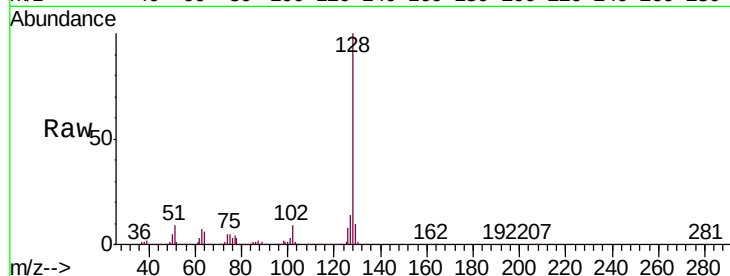
Tgt Ion:128 Resp: 1100970

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

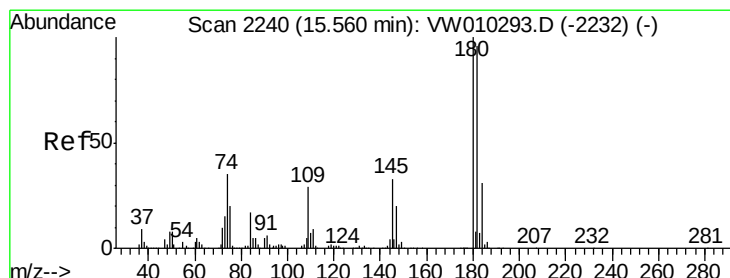
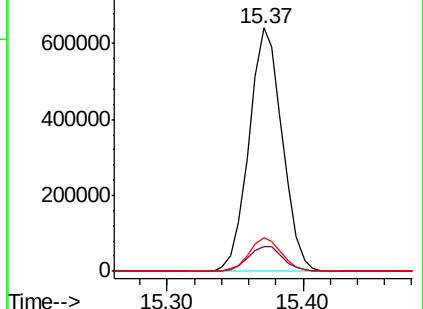
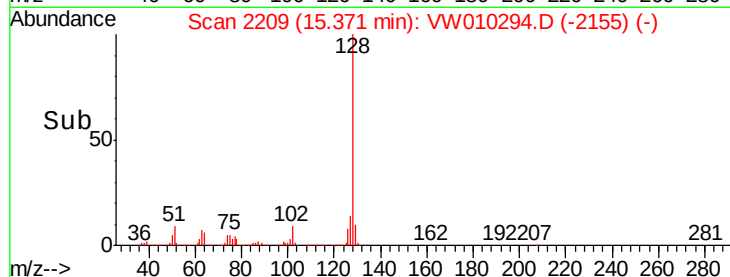
127 13.6 10.8 16.2



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: 51.734 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010294.D

Acq: 07 May 2019 11:46

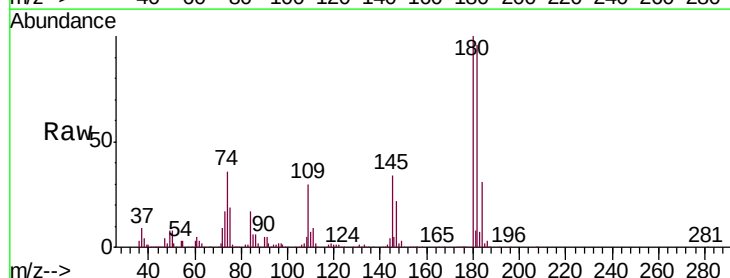
Tgt Ion:180 Resp: 418871

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 33.6 26.7 40.1



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

