

Data File : VW010924.D
Acq On : 24 Jun 2019 09:49
Operator : SY/VA
Sample : VSTD05013
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

Quant Time: Jun 24 10:17:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 10:06:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	385048	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	349614	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171039	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	247327	52.57	ug/L	0.00
7) Chloroethane-d5	2.88	69	194126	50.14	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	586080	53.97	ug/L	0.00
20) 2-Butanone-d5	7.07	46	240014	91.29	ug/L	0.00
24) Chloroform-d	7.65	84	503820	46.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	315524	45.15	ug/L	0.00
29) Benzene-d6	8.27	84	1019668	48.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	337438	47.38	ug/L	0.00
37) Toluene-d8	10.32	98	932048	48.98	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	157316	53.40	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	161234	96.35	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	288777	47.51	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	315609	46.40	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	296770	58.986	ug/L	96
3) Chloromethane	2.21	50	305265	52.475	ug/L	99
5) Vinyl chloride	2.36	62	357027	60.344	ug/L	100
6) Bromomethane	2.78	94	171575	53.007	ug/L	99
8) Chloroethane	2.92	64	192108	56.629	ug/L	100
9) Trichlorofluoromethane	3.25	101	126191	71.435	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	271029	56.767	ug/L	100
12) 1,1-Dichloroethene	4.04	96	271342	57.216	ug/L	95
13) Acetone	4.12	43	205806	103.722	ug/L	98
14) Carbon disulfide	4.39	76	841237	62.509	ug/L	100
15) Methyl Acetate	4.67	43	204701	50.272	ug/L	99
16) Methylene chloride	4.92	84	278419	47.460	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	421901	51.145	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	271155	53.030	ug/L	99
19) 1,1-Dichloroethane	6.21	63	549747	52.731	ug/L	100
21) 2-Butanone	7.17	43	287403	94.871	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	291729	51.614	ug/L	99
23) Bromochloromethane	7.51	128	122853	50.017	ug/L	98
25) Chloroform	7.67	83	500810	50.924	ug/L	100
27) 1,2-Dichloroethane	8.40	62	397934	50.084	ug/L	100
30) Cyclohexane	7.95	56	581982	58.228	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	382651	58.580	ug/L	99
32) Carbon tetrachloride	8.07	117	365590	60.592	ug/L	99
34) Benzene	8.32	78	1138732	53.056	ug/L	100
35) Trichloroethene	9.09	95	289517	54.459	ug/L	100
36) Methylcyclohexane	9.34	83	536532	57.652	ug/L	100
40) 1,2-Dichloropropane	9.37	63	312408	52.042	ug/L	99
41) Bromodichloromethane	9.65	83	378154	54.766	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	505345	57.337	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	607457	104.956	ug/L	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 10:06:46 2019
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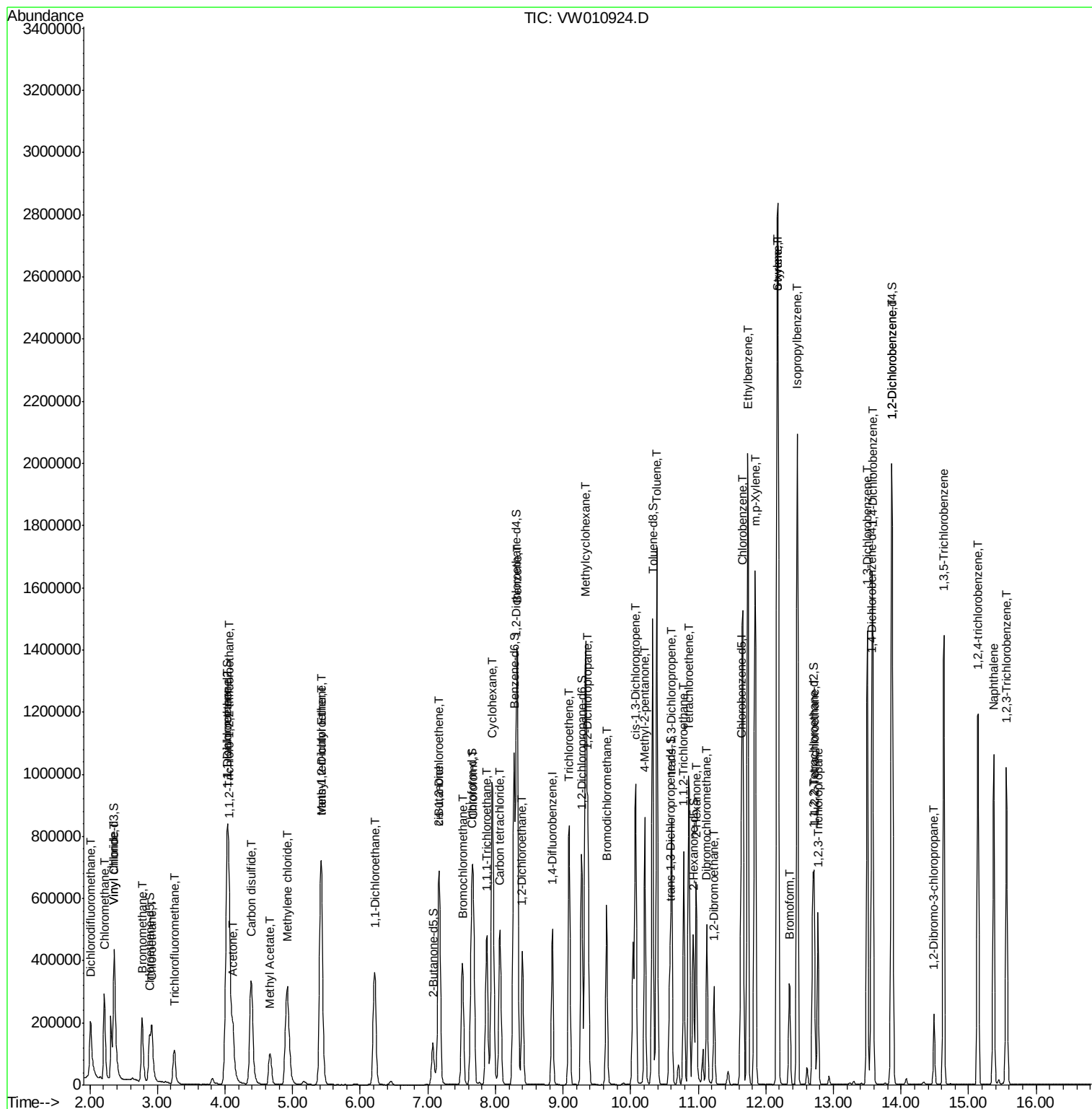
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1201351	53.914	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	423391	57.278	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	218093	51.932	ug/L	99
47) Tetrachloroethene	10.86	164	216878	55.385	ug/L	96
49) 2-Hexanone	10.97	43	428939	105.283	ug/L	100
50) Dibromochloromethane	11.13	129	248591	55.596	ug/L	97
51) 1,2-Dibromoethane	11.23	107	215380	52.075	ug/L	100
52) Chlorobenzene	11.66	112	724753	52.751	ug/L	99
53) Ethylbenzene	11.73	91	1360416	54.478	ug/L	99
54) m,p-Xylene	11.84	106	495157	54.495	ug/L	98
55) o-xylene	12.16	106	472377	52.901	ug/L	97
56) Styrene	12.18	104	829392	54.087	ug/L	100
57) Isopropylbenzene	12.46	105	1297012	55.516	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	292056	52.425	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	225913	51.055	ug/L	99
62) Bromoform	12.35	173	145657	56.344	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	550360	51.975	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	557900	51.615	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	516627	51.630	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	56534	55.129	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	424157	52.913	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	370916	53.224	ug/L	99
69) Naphthalene	15.37	128	837319	53.495	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	332384	51.314	ug/L	99

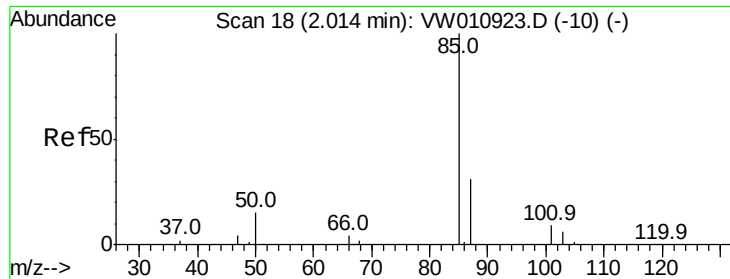
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 58.986 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

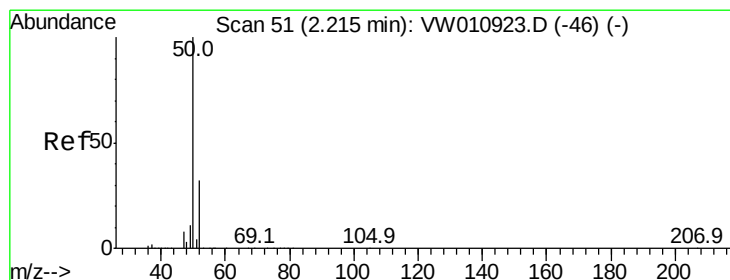
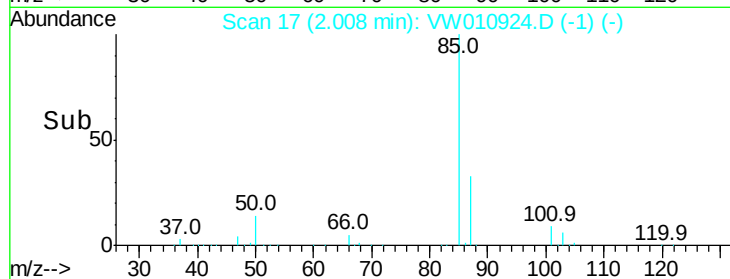
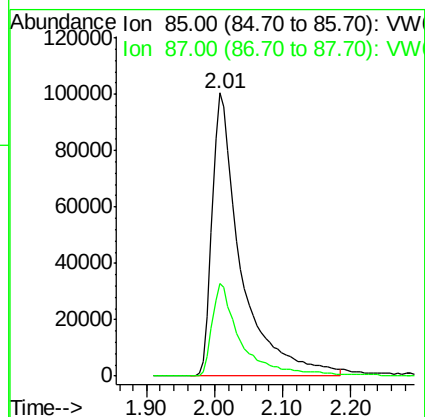
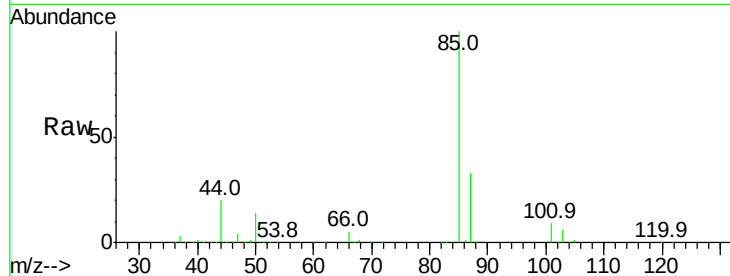
VSTD05005

Tgt Ion: 85 Resp: 296770

Ion Ratio Lower Upper

85 100

87 29.2 21.8 40.6



#3

Chloromethane

Concen: 52.475 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010924.D

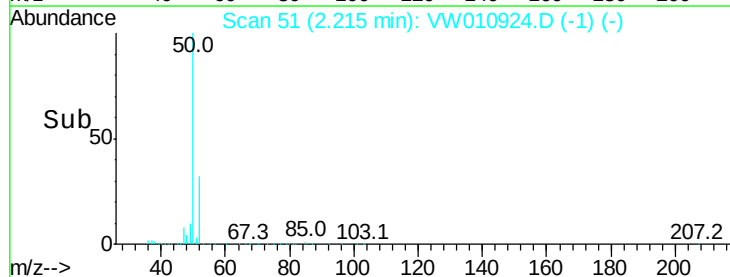
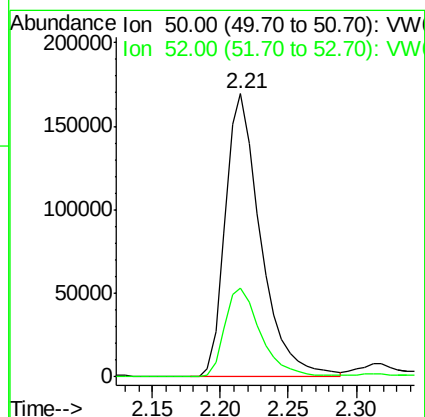
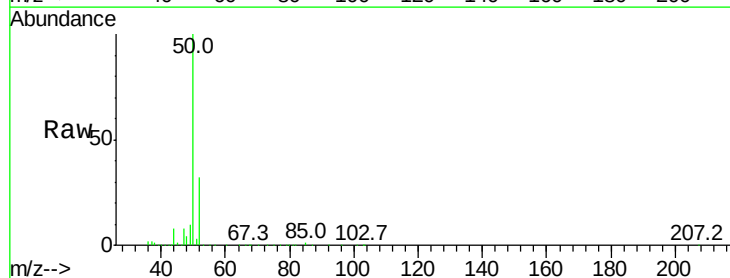
Acq: 24 Jun 2019 09:49

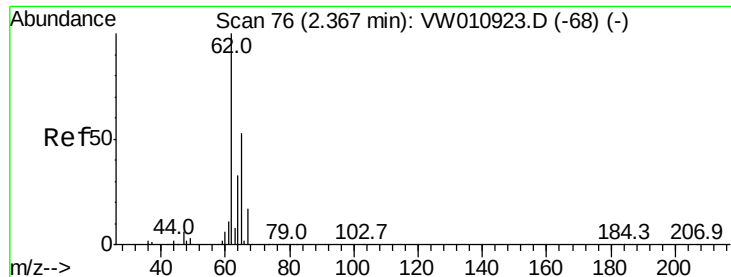
Tgt Ion: 50 Resp: 305265

Ion Ratio Lower Upper

50 100

52 31.6 22.3 41.5





#5

Vinyl chloride

Concen: 60.344 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

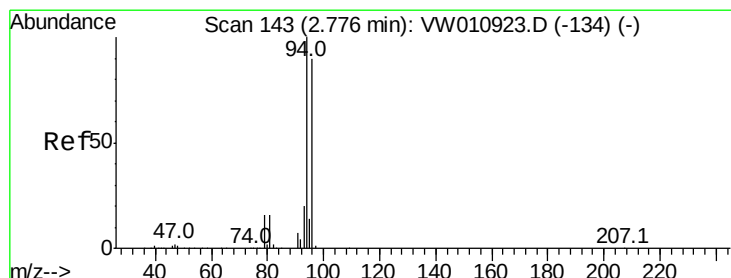
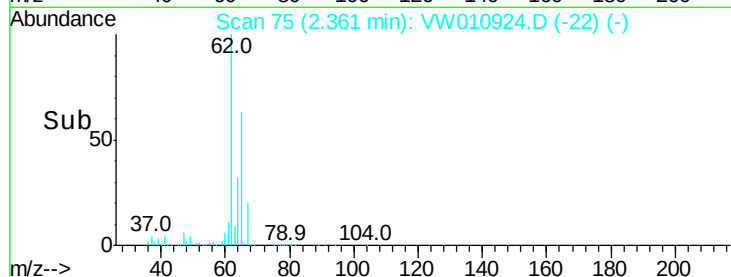
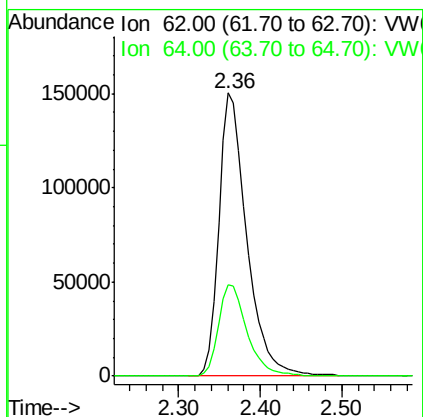
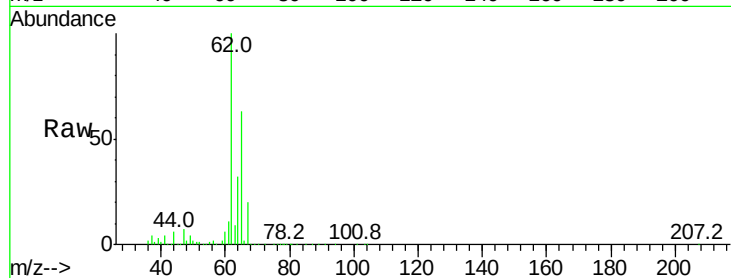
VSTD05005

Tgt Ion: 62 Resp: 357027

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#6

Bromomethane

Concen: 53.007 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010924.D

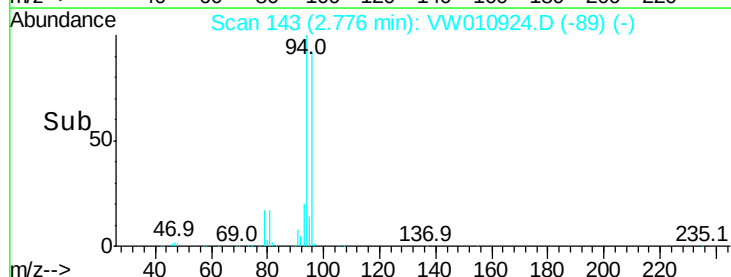
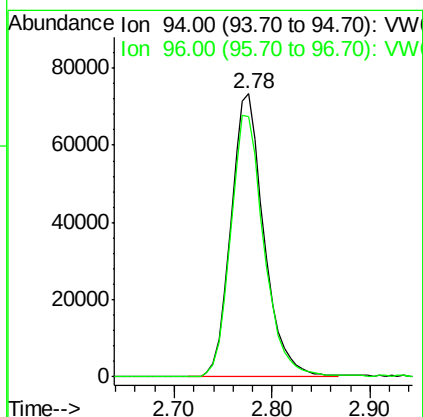
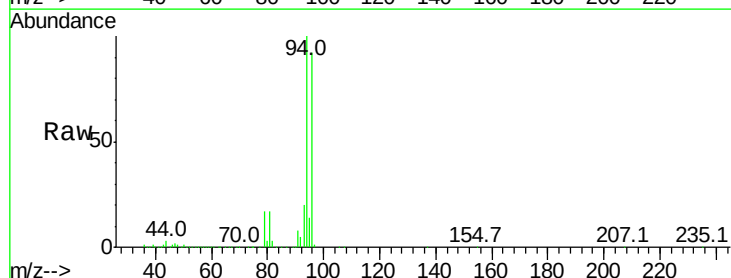
Acq: 24 Jun 2019 09:49

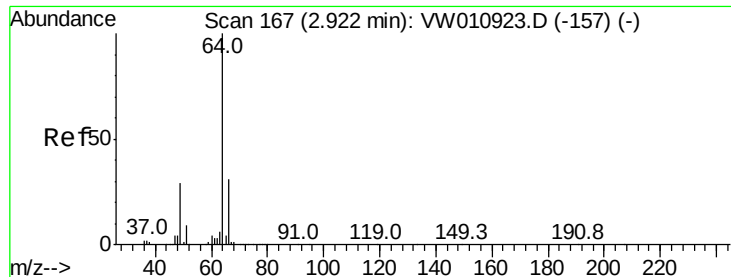
Tgt Ion: 94 Resp: 171575

Ion Ratio Lower Upper

94 100

96 93.4 9.2 175.8





#8

Chloroethane

Concen: 56.629 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

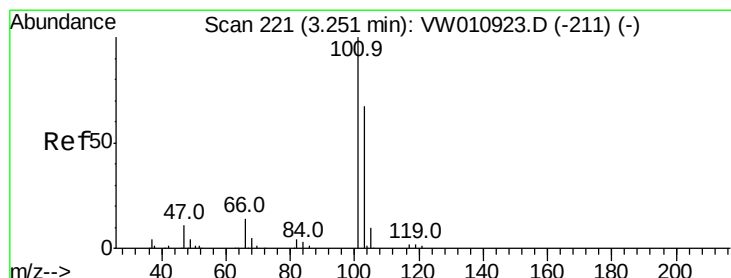
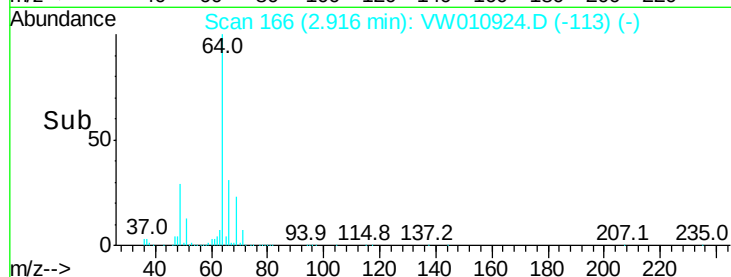
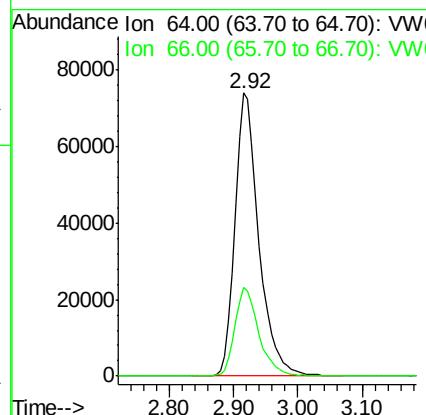
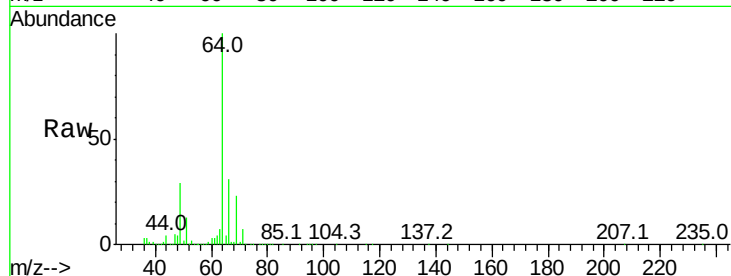
VSTD05005

Tgt Ion: 64 Resp: 192108

Ion Ratio Lower Upper

64 100

66 31.3 21.8 40.4



#9

Trichlorofluoromethane

Concen: 71.435 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW010924.D

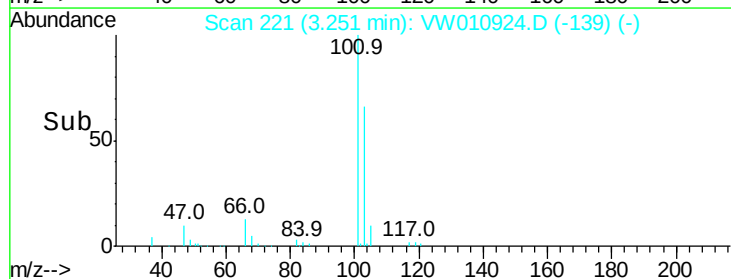
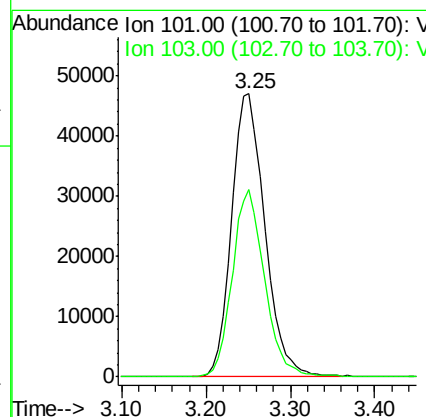
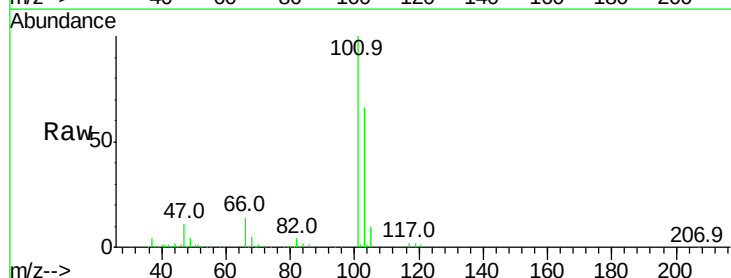
Acq: 24 Jun 2019 09:49

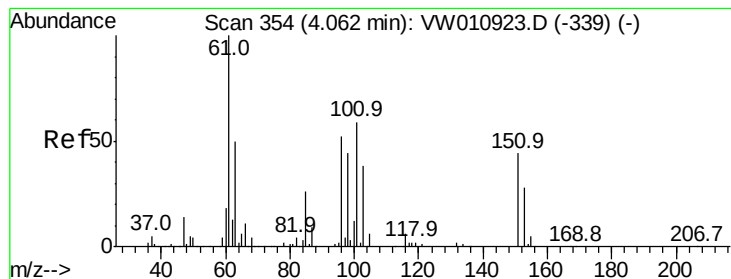
Tgt Ion: 101 Resp: 126191

Ion Ratio Lower Upper

101 100

103 64.1 46.4 86.2





#11

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

Concen: 56.767 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

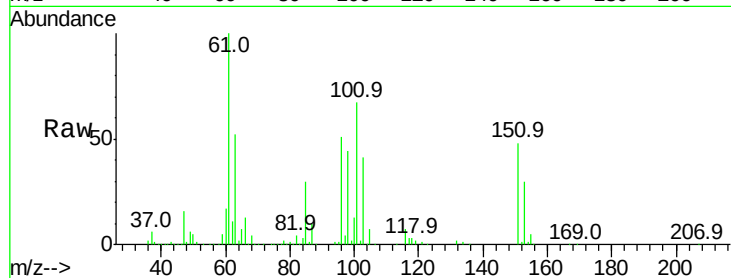
Tgt Ion: 101 Resp: 271029

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.8

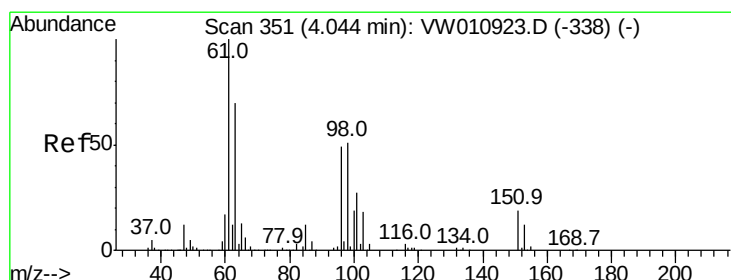
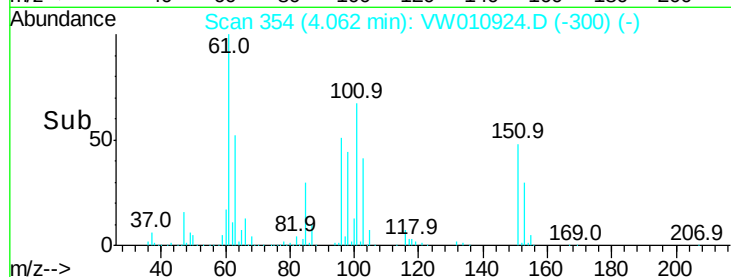
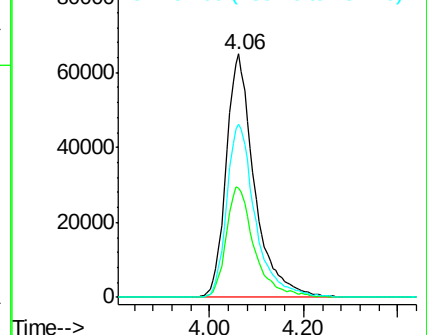
151 71.0 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 57.216 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

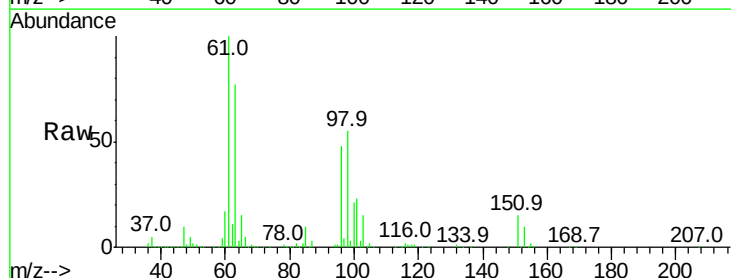
Tgt Ion: 96 Resp: 271342

Ion Ratio Lower Upper

96 100

61 208.3 144.5 268.3

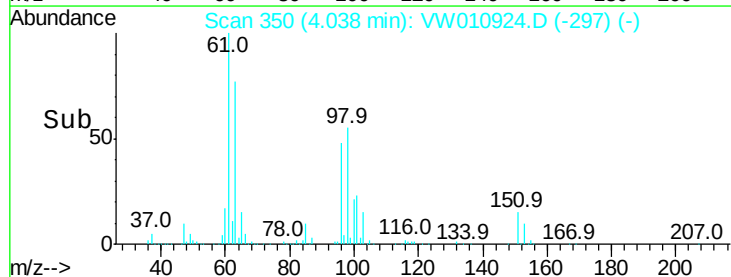
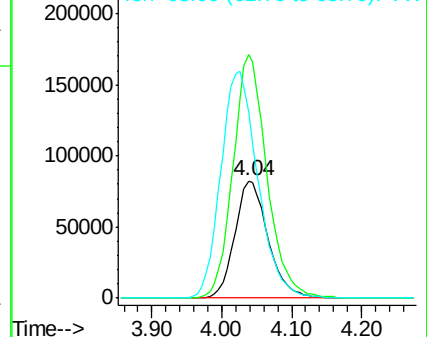
63 159.5 102.3 189.9

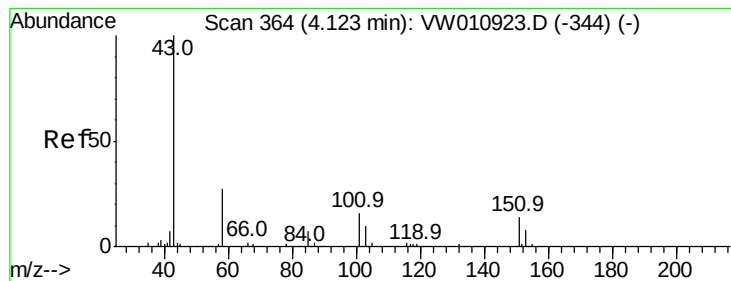


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 103.722 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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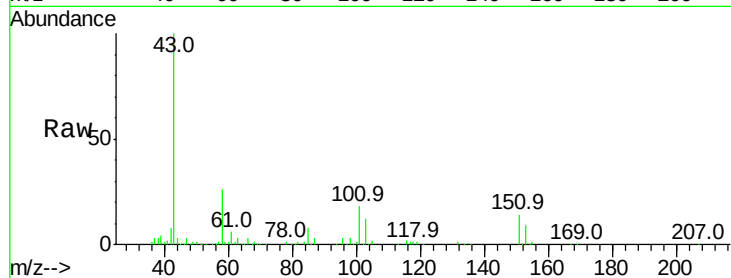
VSTD05005

Tgt Ion: 43 Resp: 205806

Ion Ratio Lower Upper

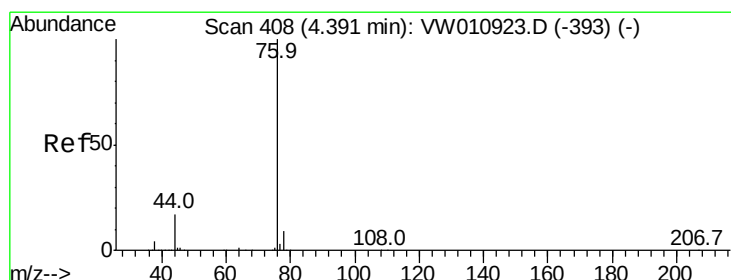
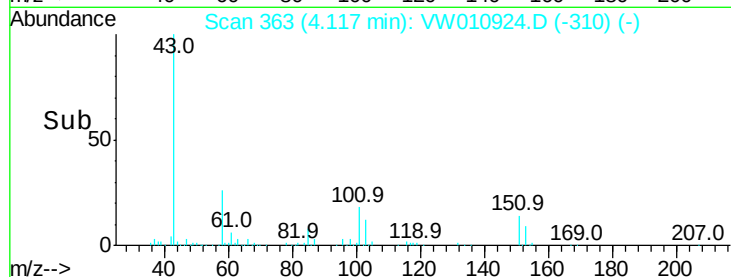
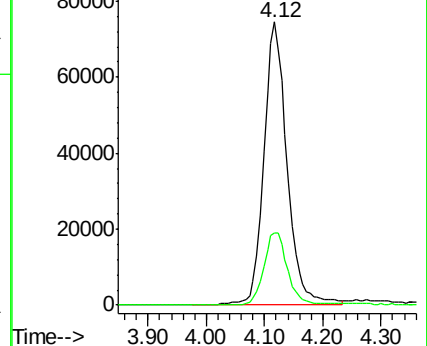
43 100

58 25.4 0.0 53.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 62.509 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW010924.D

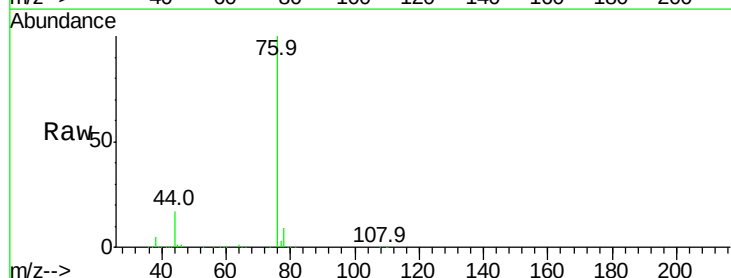
Acq: 24 Jun 2019 09:49

Tgt Ion: 76 Resp: 841237

Ion Ratio Lower Upper

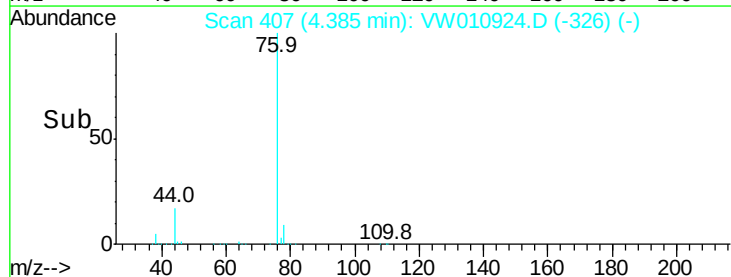
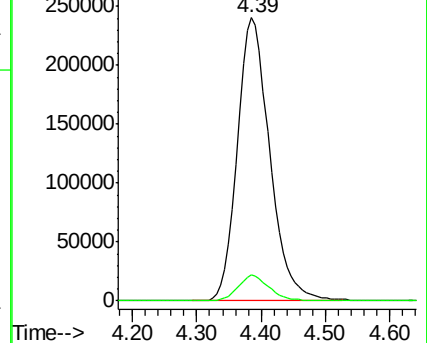
76 100

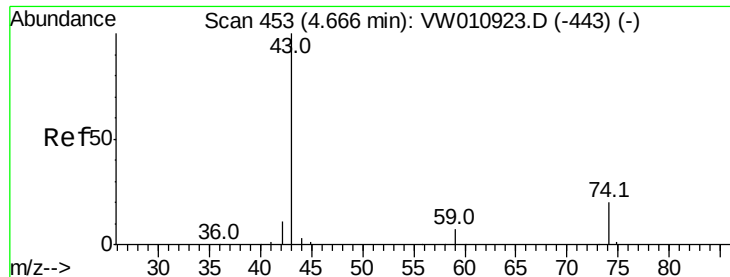
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

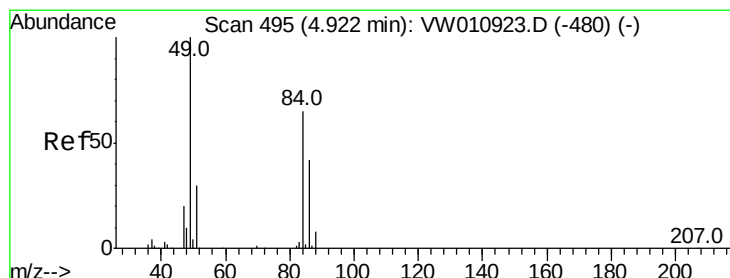
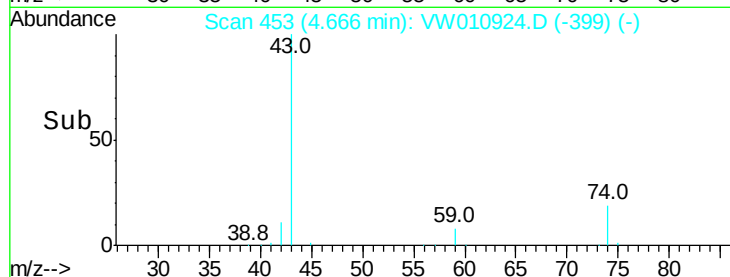
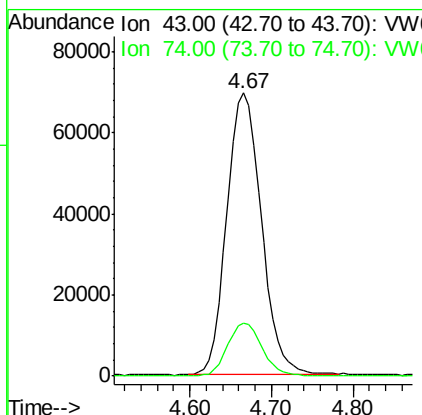
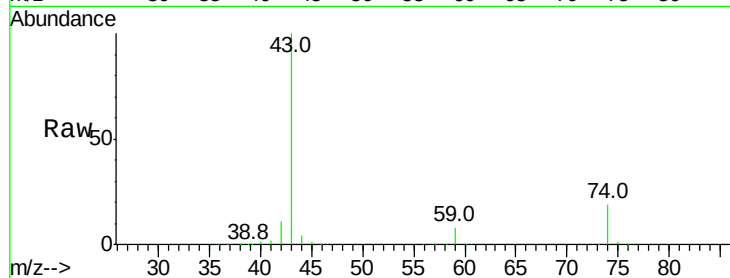




#15
Methyl Acetate
Concen: 50.272 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

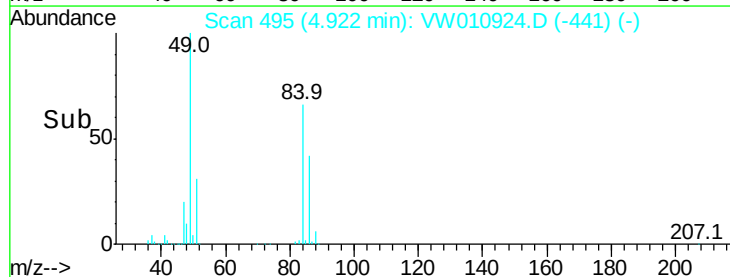
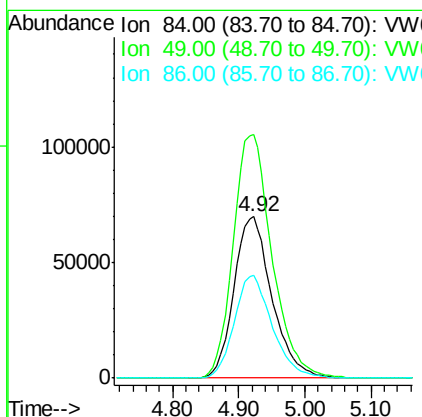
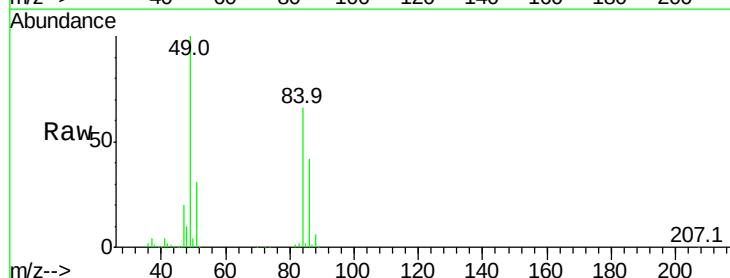
Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

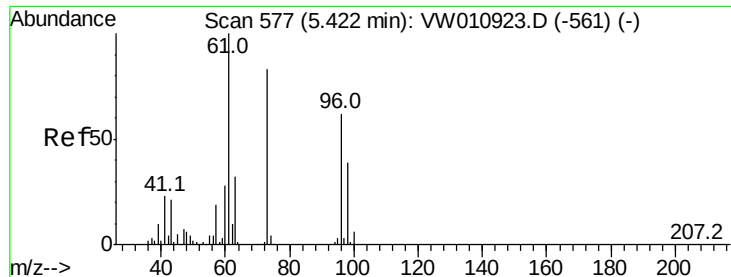
Tgt Ion: 43 Resp: 204701
Ion Ratio Lower Upper
43 100
74 18.8 15.3 22.9



#16
Methylene chloride
Concen: 47.460 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

Tgt Ion: 84 Resp: 278419
Ion Ratio Lower Upper
84 100
49 150.6 107.0 198.8
86 63.4 44.4 82.5

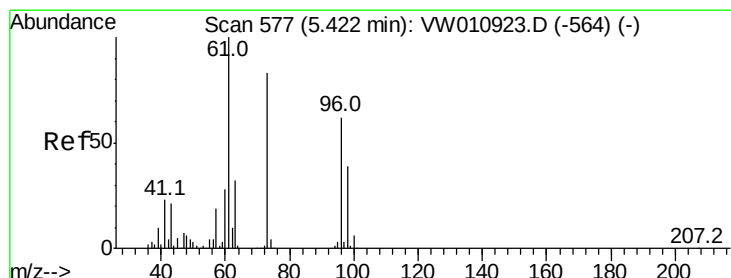
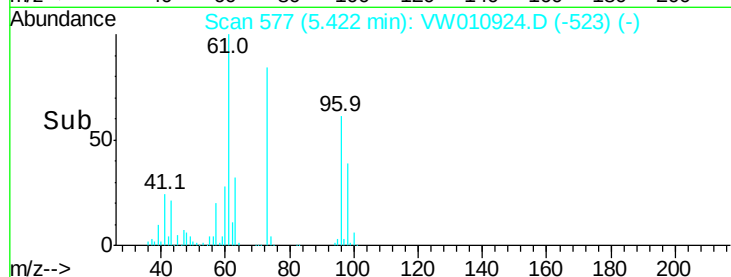
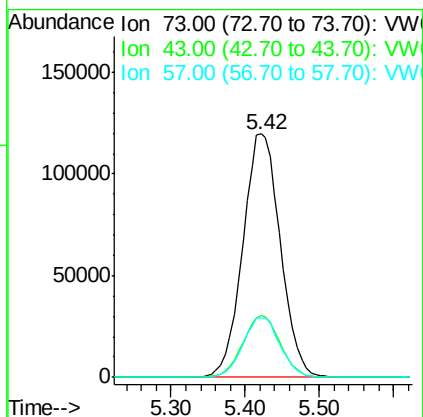
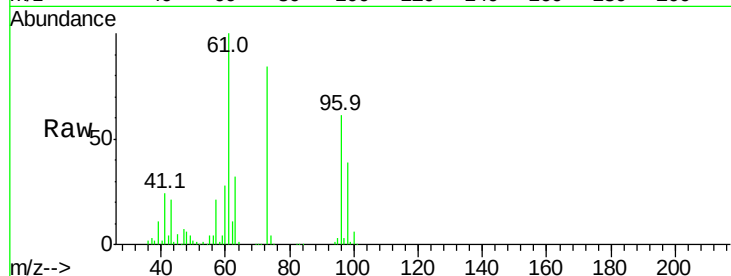




#17
Methyl tert-butyl Ether
Concen: 51.145 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

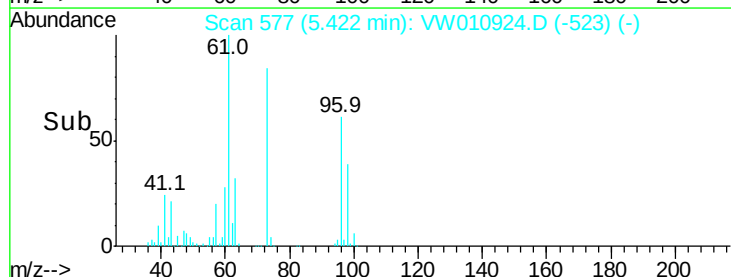
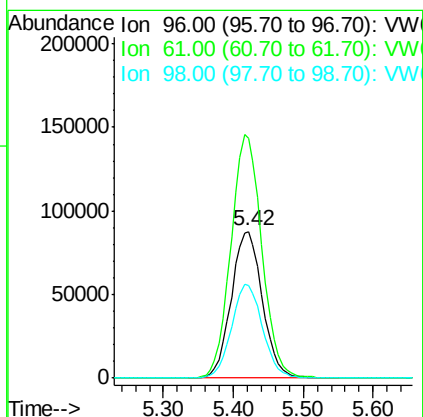
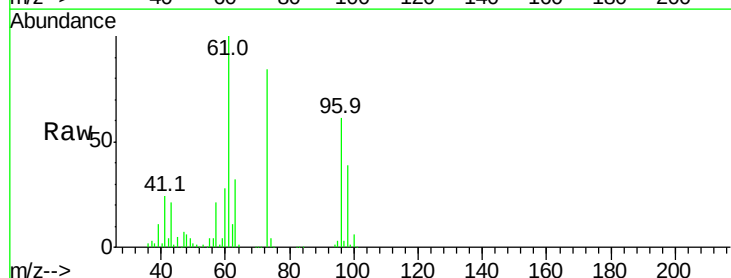
Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

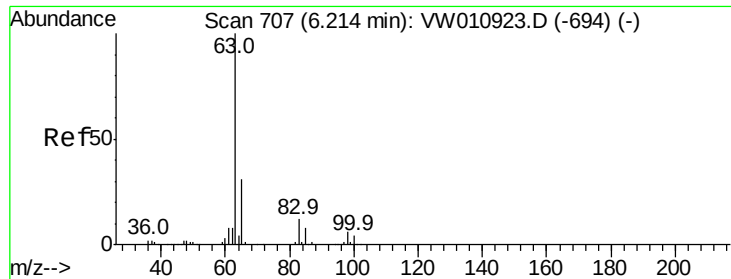
Tgt Ion: 73 Resp: 421901
Ion Ratio Lower Upper
73 100
43 25.1 20.2 30.2
57 24.4 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 53.030 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

Tgt Ion: 96 Resp: 271155
Ion Ratio Lower Upper
96 100
61 162.9 113.3 210.3
98 62.7 44.1 81.9

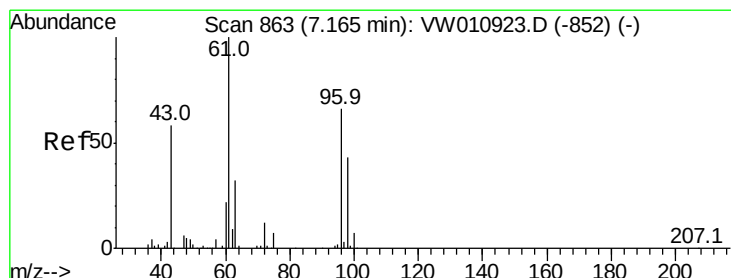
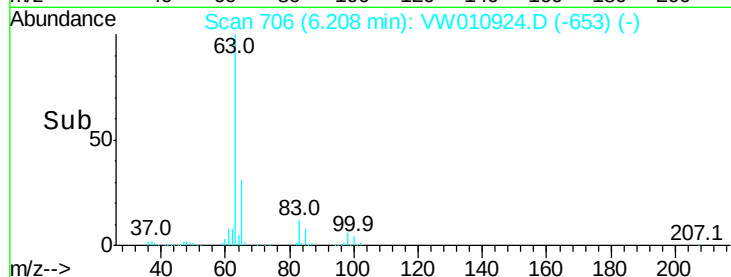
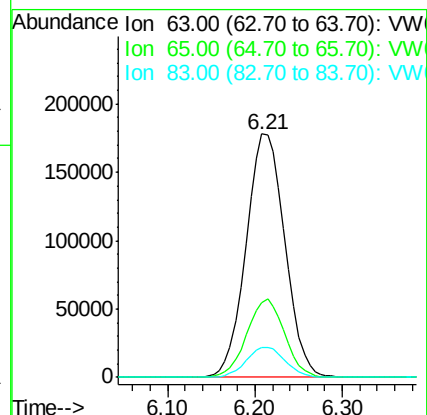
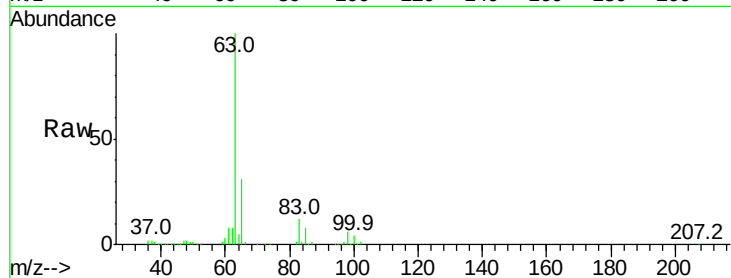




#19
 1,1-Dichloroethane
 Concen: 52.731 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

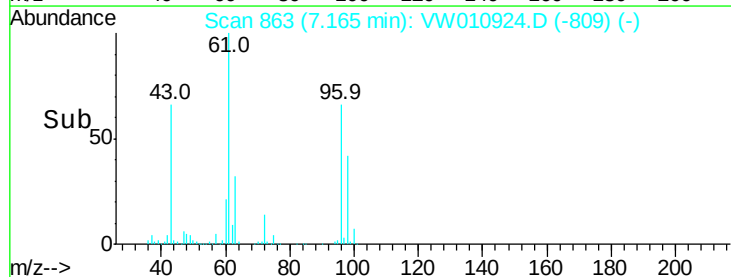
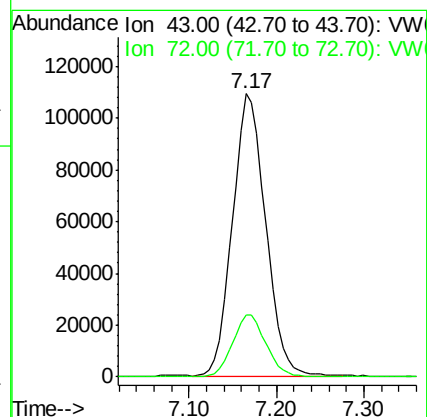
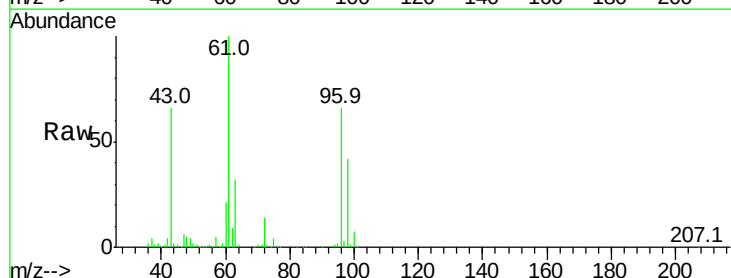
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

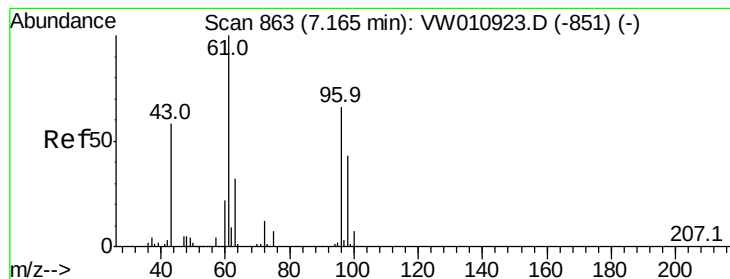
Tgt Ion: 63 Resp: 549747
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.3 39.6
 83 12.2 8.5 15.9



#21
 2-Butanone
 Concen: 94.871 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Tgt Ion: 43 Resp: 287403
 Ion Ratio Lower Upper
 43 100
 72 22.1 10.9 32.6





#22

cis-1,2-Dichloroethene

Concen: 51.614 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

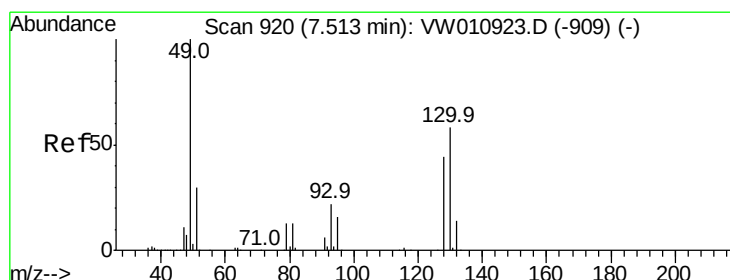
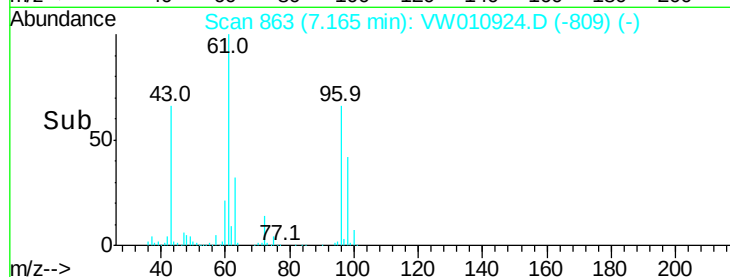
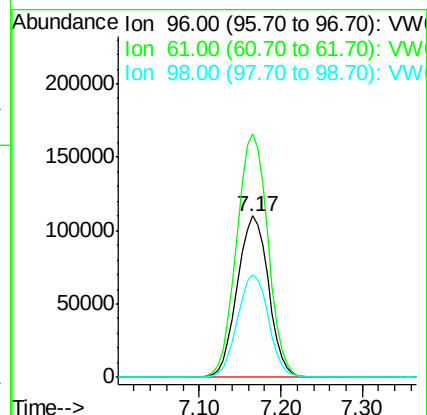
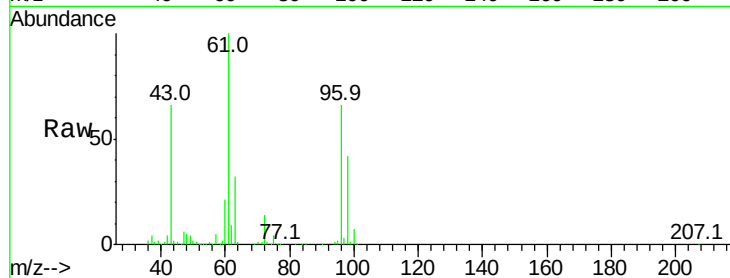
Tgt Ion: 96 Resp: 291729

Ion Ratio Lower Upper

96 100

61 150.8 106.5 197.7

98 63.7 45.5 84.5



#23

Bromochloromethane

Concen: 50.017 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Tgt Ion: 128 Resp: 122853

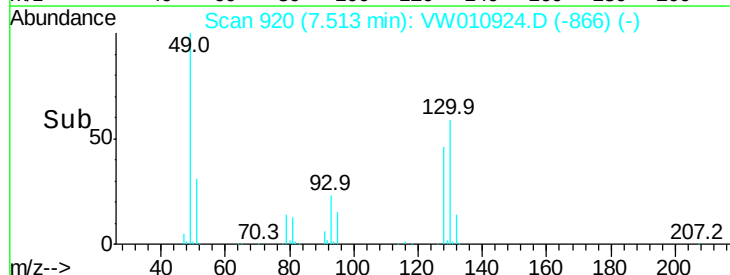
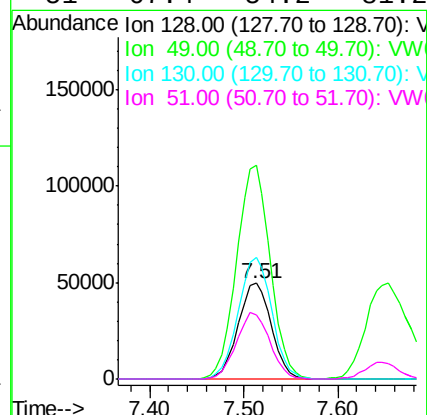
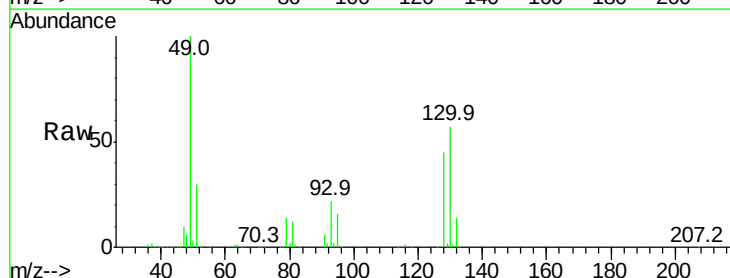
Ion Ratio Lower Upper

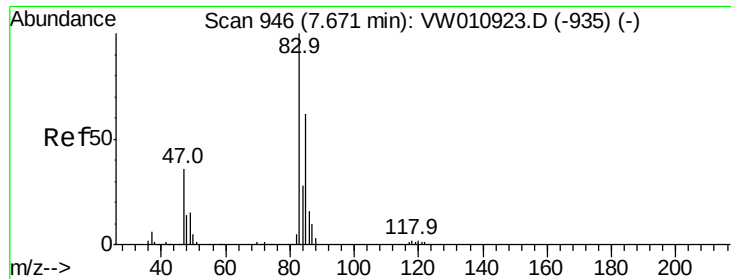
128 100

49 222.8 157.7 292.9

130 126.9 91.6 170.0

51 67.4 54.2 81.2

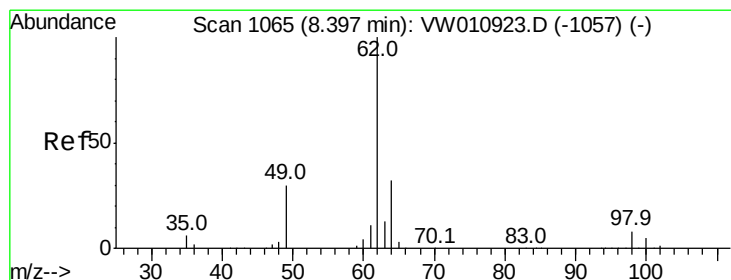
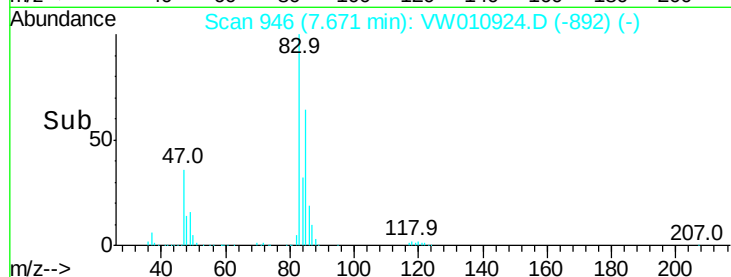
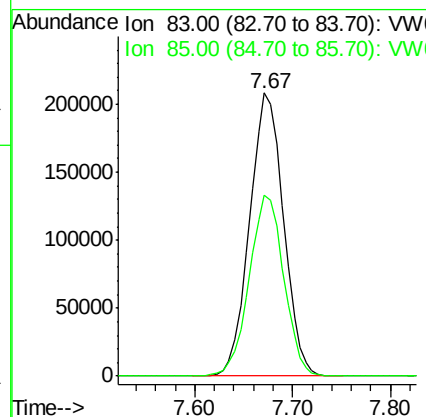
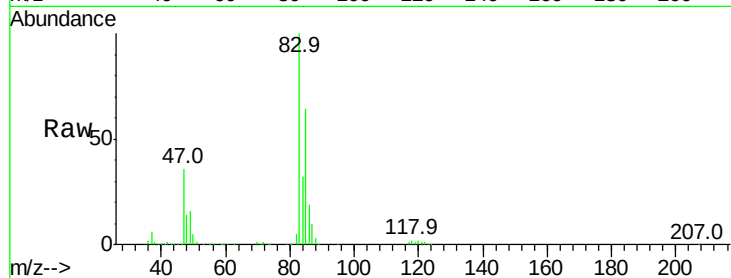




#25
Chloroform
Concen: 50.924 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

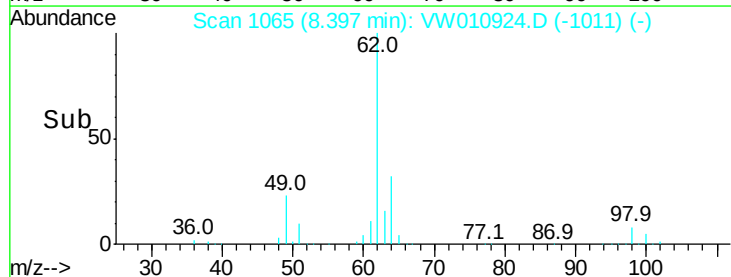
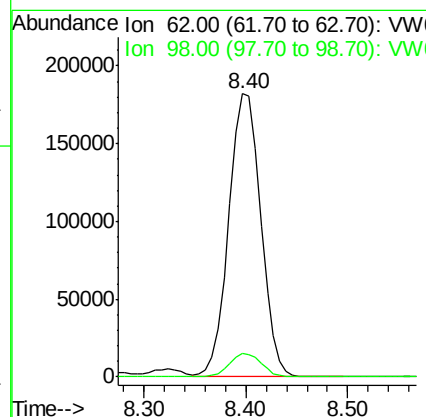
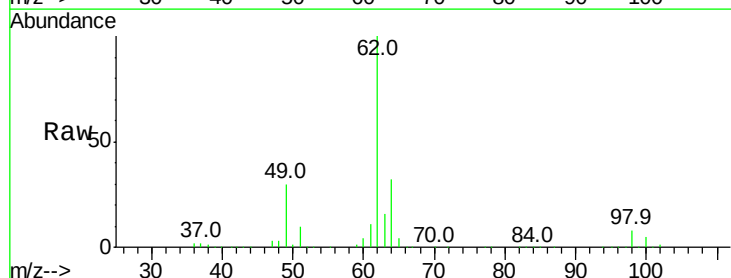
Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

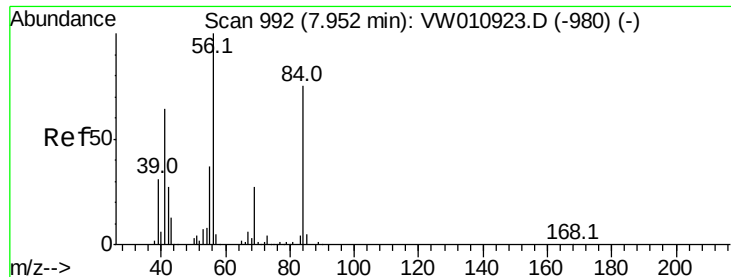
Tgt Ion: 83 Resp: 500810
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.8



#27
1,2-Dichloroethane
Concen: 50.084 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

Tgt Ion: 62 Resp: 397934
Ion Ratio Lower Upper
62 100
98 8.3 6.7 10.1

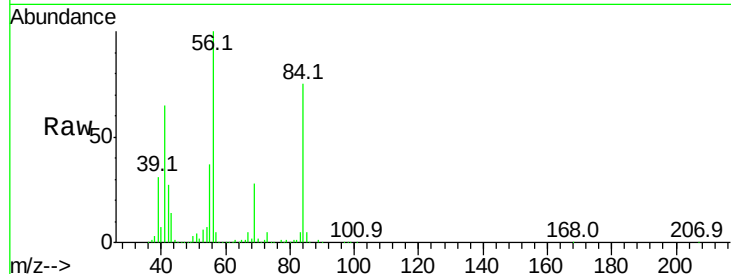




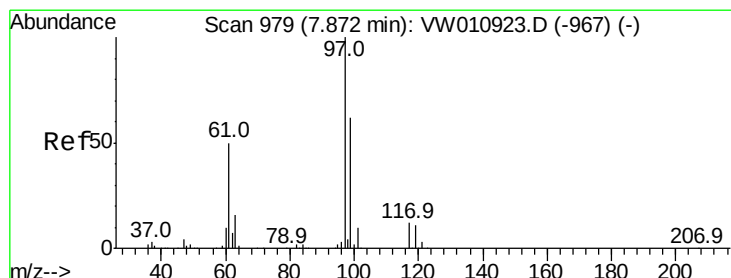
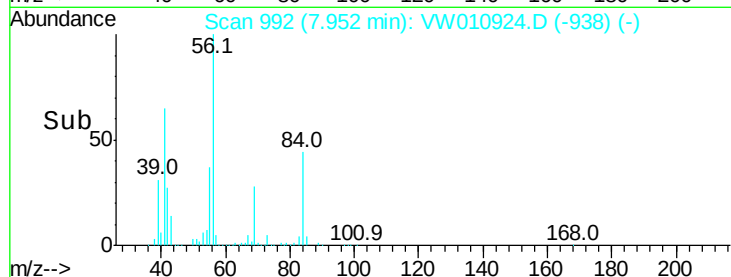
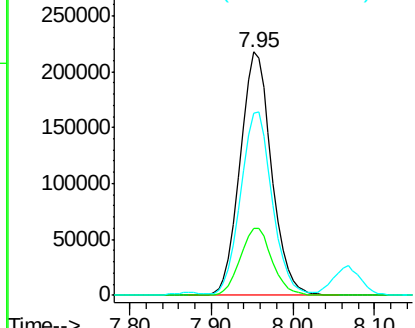
#30
Cyclohexane
Concen: 58.228 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

Instrument :
MSVOA_W
ClientSampleId :
VSTD05005

Tgt Ion: 56 Resp: 581982
Ion Ratio Lower Upper
56 100
69 28.1 22.2 33.4
84 75.9 60.3 90.5

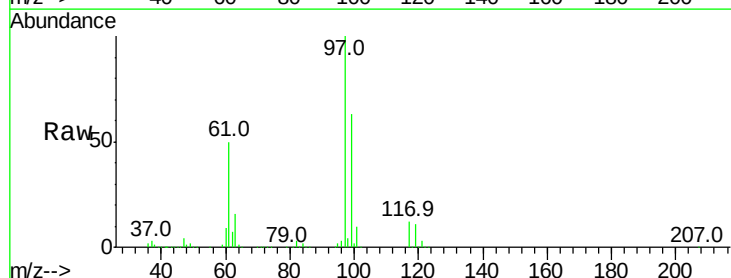


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

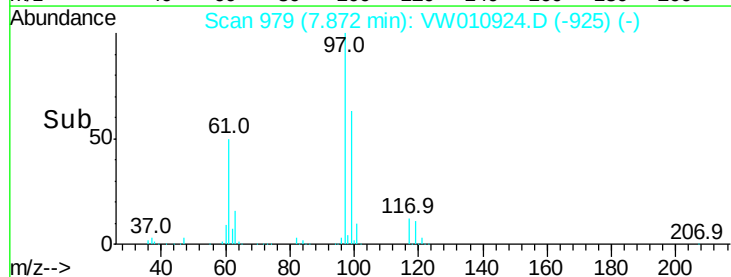
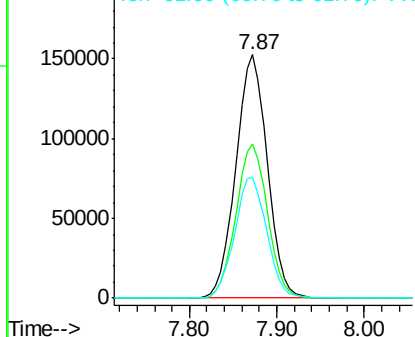


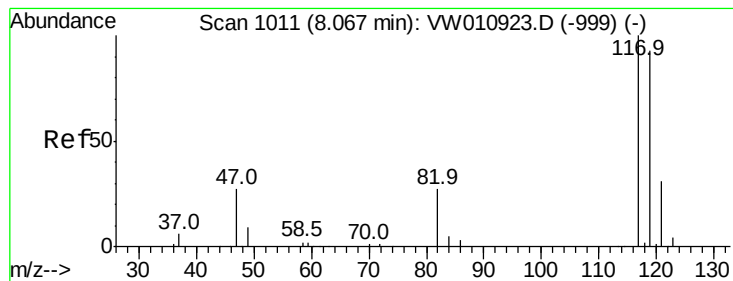
#31
1,1,1-Trichloroethane
Concen: 58.580 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010924.D
Acq: 24 Jun 2019 09:49

Tgt Ion: 97 Resp: 382651
Ion Ratio Lower Upper
97 100
99 63.6 50.7 76.1
61 50.6 41.2 61.8



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: 60.592 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

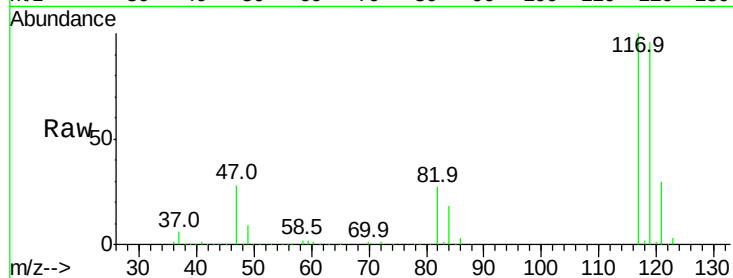
VSTD05005

Tgt Ion:117 Resp: 365590

Ion Ratio Lower Upper

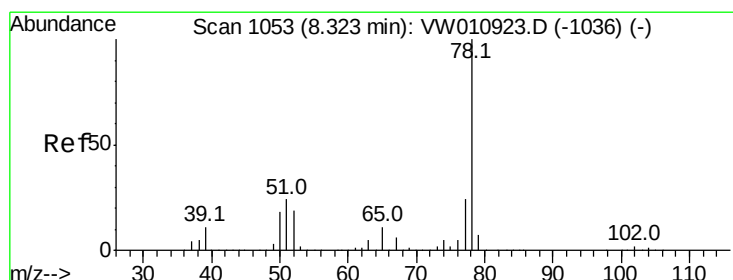
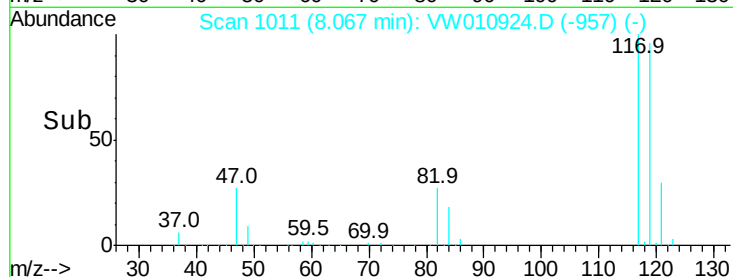
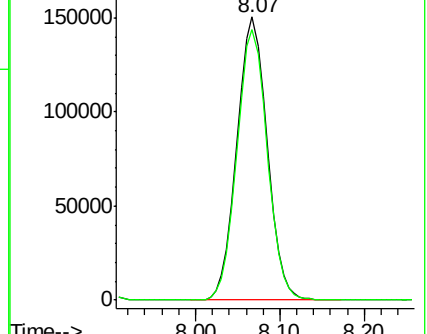
117 100

119 95.9 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 53.056 ug/L

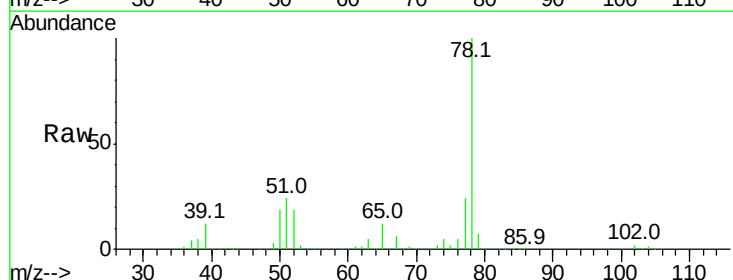
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW010924.D

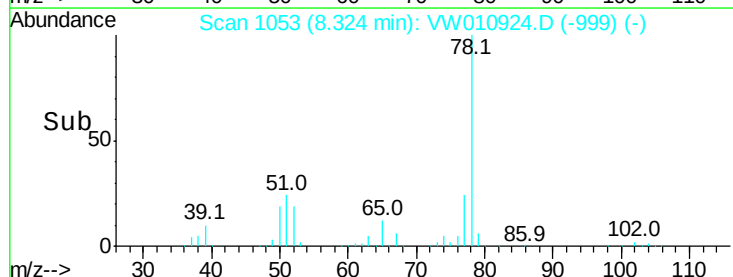
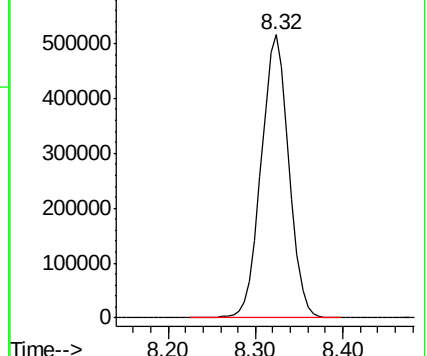
Acq: 24 Jun 2019 09:49

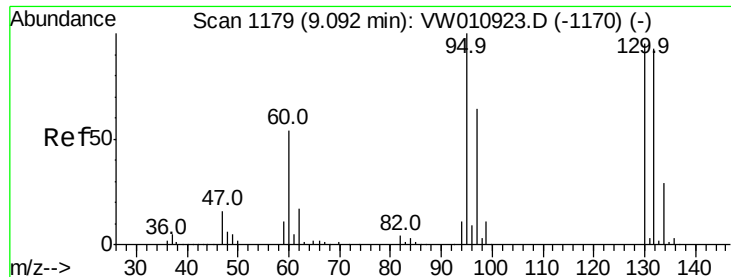
Tgt Ion: 78 Resp: 1138732



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 78.00 (77.70 to 78.70): VW

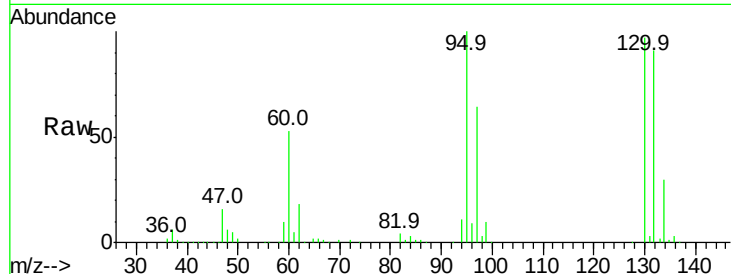




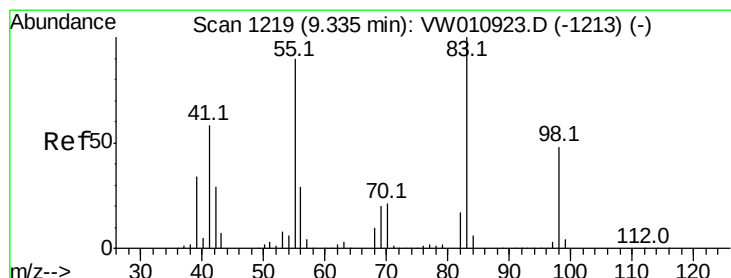
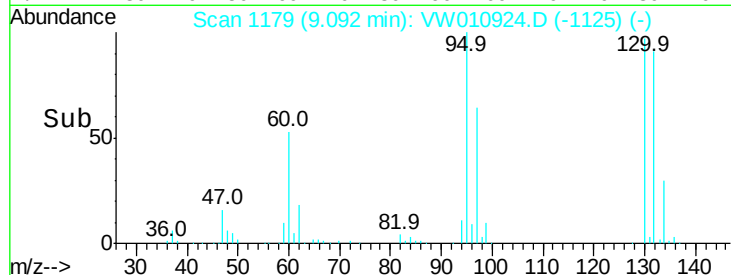
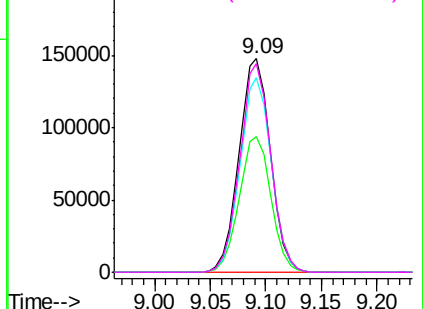
#35
 Trichloroethene
 Concen: 54.459 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Tgt Ion:	95	Resp:	289517
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.9	83.3
132	90.9	64.0	119.0
130	96.1	67.4	125.2

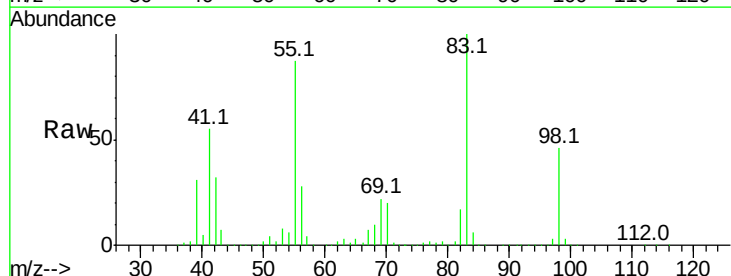


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

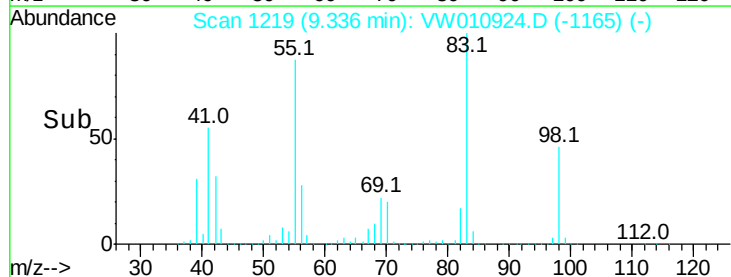
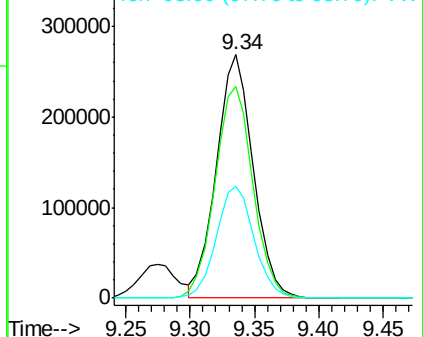


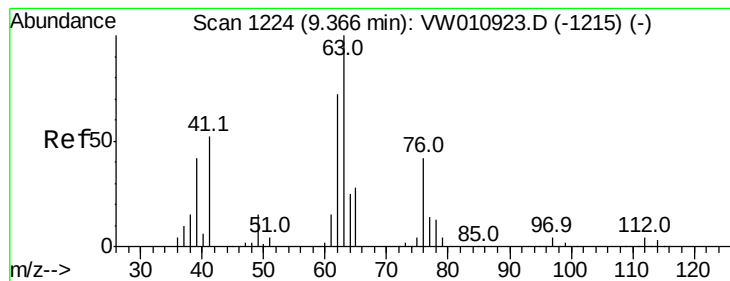
#36
 Methylcyclohexane
 Concen: 57.652 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Tgt Ion:	83	Resp:	536532
Ion	Ratio	Lower	Upper
83	100		
55	89.8	72.2	108.2
98	47.4	37.8	56.8



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: 52.042 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

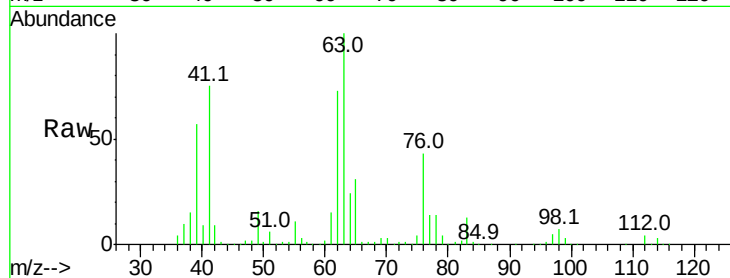
VSTD05005

Tgt Ion: 63 Resp: 312408

Ion Ratio Lower Upper

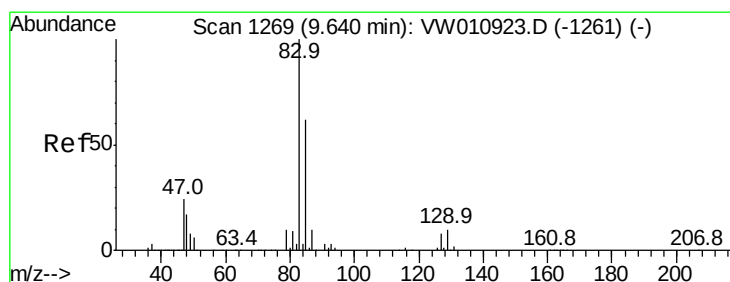
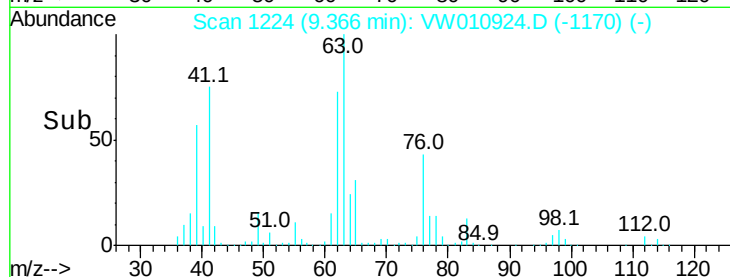
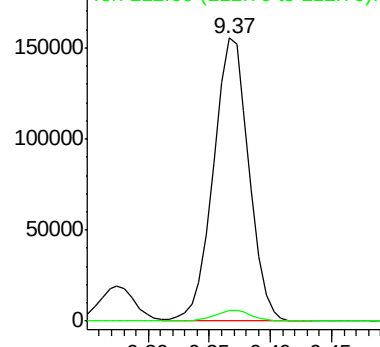
63 100

112 3.9 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 54.766 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

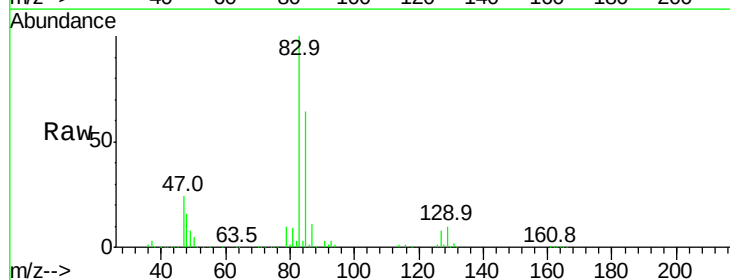
Tgt Ion: 83 Resp: 378154

Ion Ratio Lower Upper

83 100

85 64.5 43.1 80.1

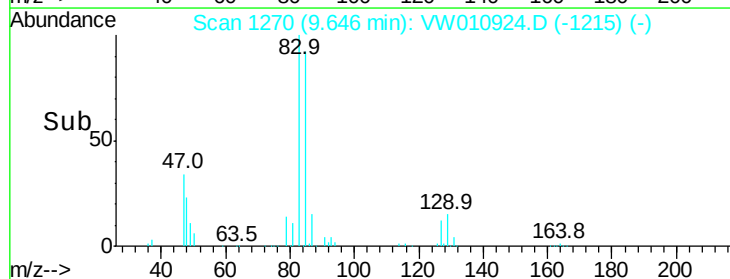
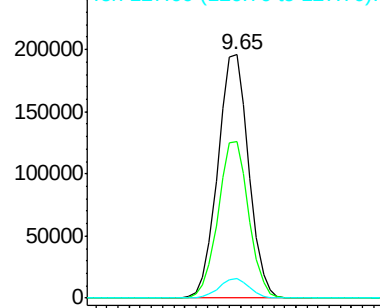
127 8.1 6.0 9.0

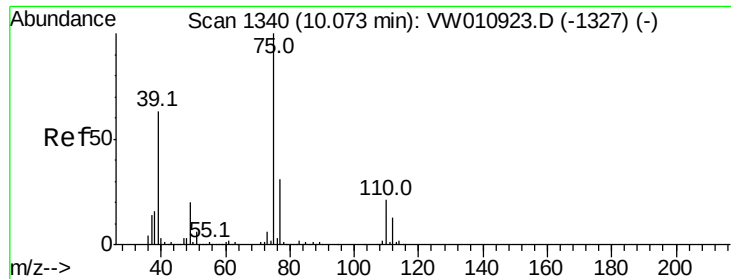


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 57.337 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

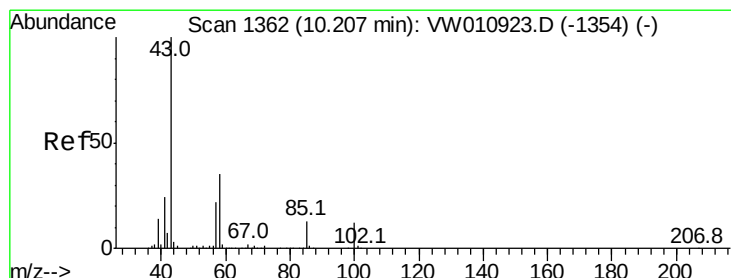
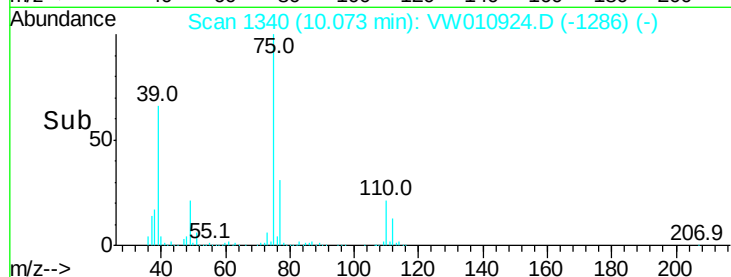
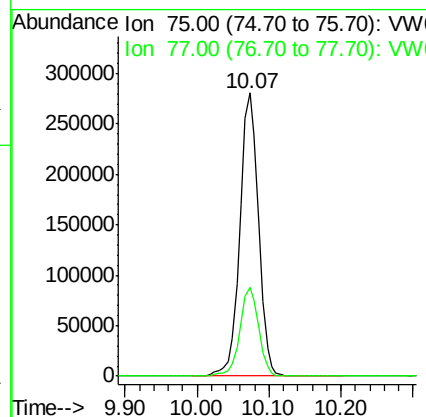
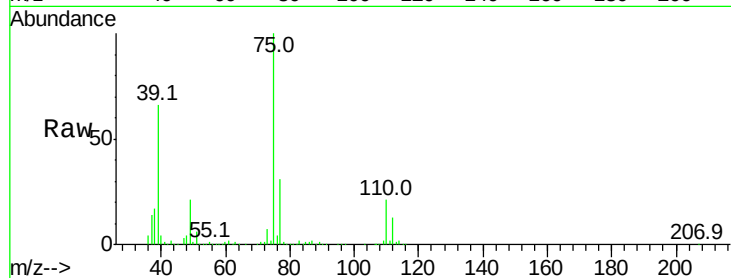
VSTD05005

Tgt Ion: 75 Resp: 505345

Ion Ratio Lower Upper

75 100

77 31.3 21.3 39.6



#43

4-Methyl-2-pentanone

Concen: 104.956 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

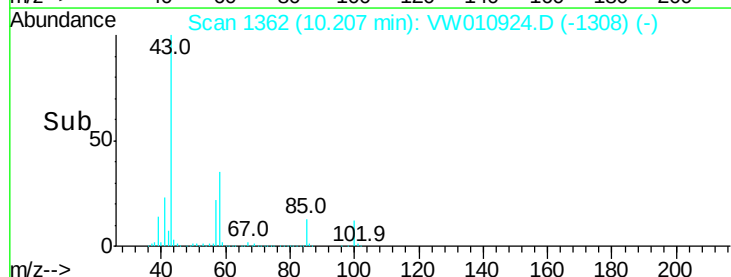
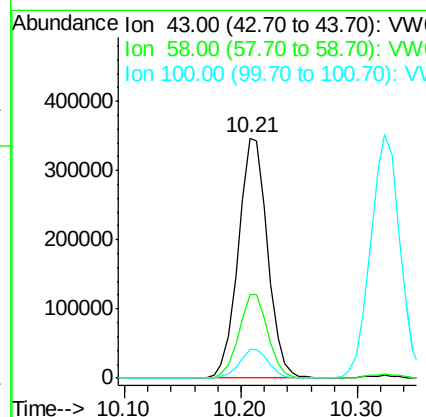
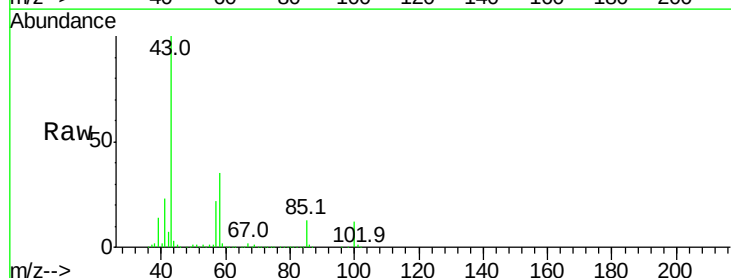
Tgt Ion: 43 Resp: 607457

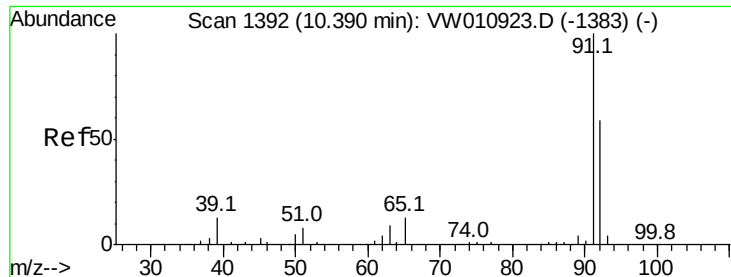
Ion Ratio Lower Upper

43 100

58 34.6 27.5 41.3

100 11.8 9.6 14.4





#44

Toluene

Concen: 53.914 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

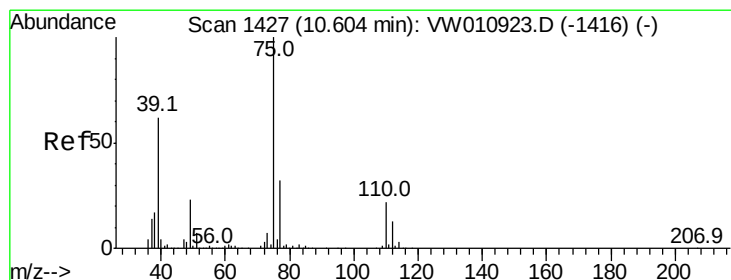
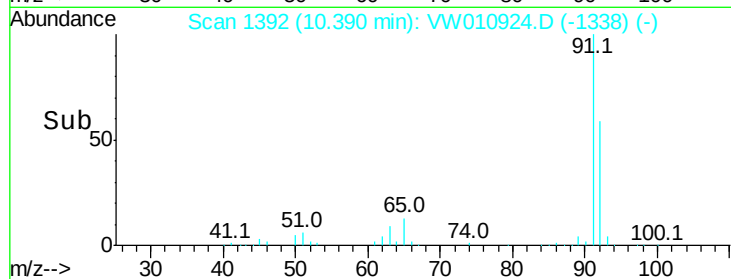
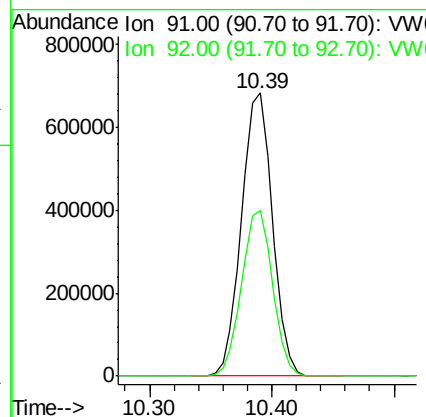
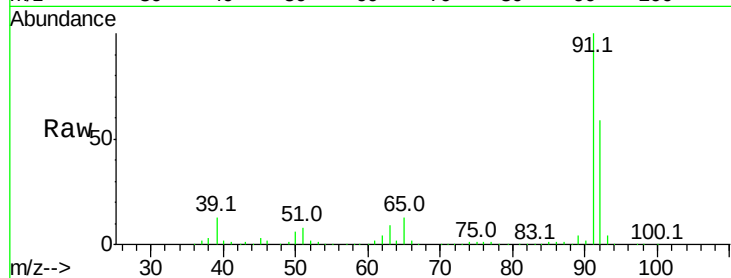
VSTD05005

Tgt Ion: 91 Resp: 1201351

Ion Ratio Lower Upper

91 100

92 58.7 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 57.278 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010924.D

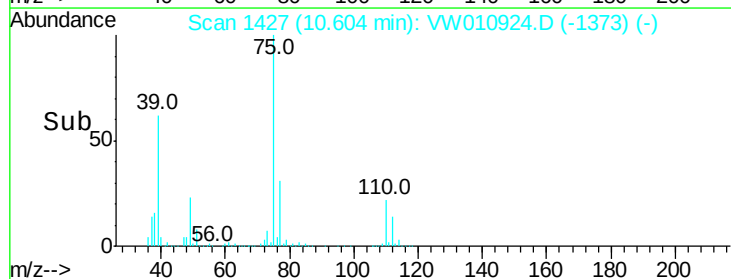
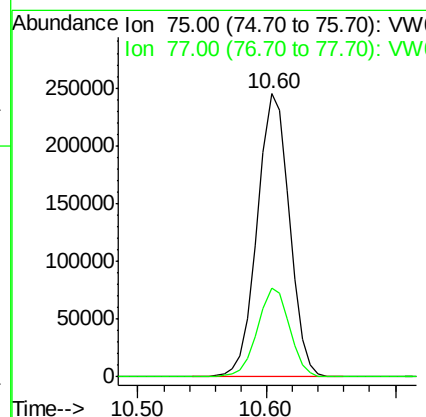
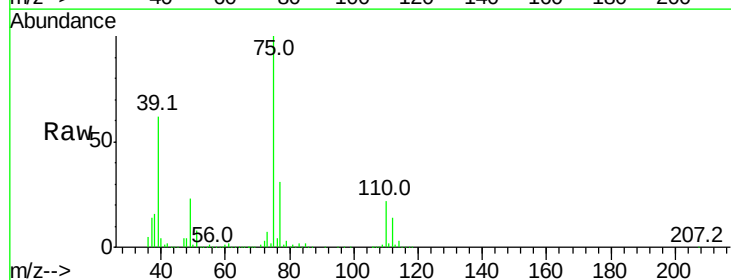
Acq: 24 Jun 2019 09:49

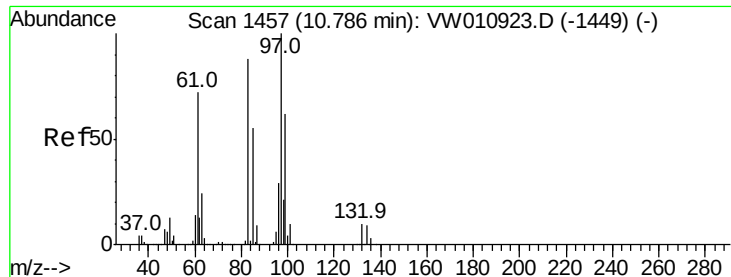
Tgt Ion: 75 Resp: 423391

Ion Ratio Lower Upper

75 100

77 31.2 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 51.932 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 97 Resp: 218093

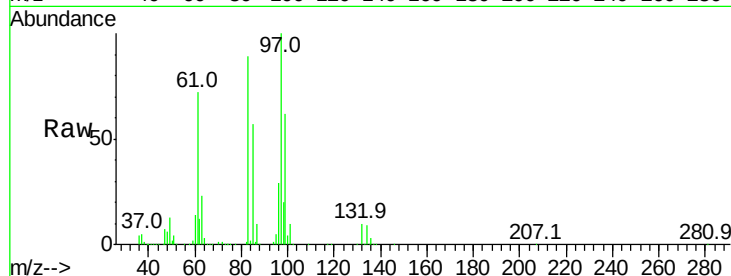
Ion Ratio Lower Upper

97 100

83 88.8 61.8 114.8

85 56.9 38.6 71.6

99 62.0 43.3 80.3

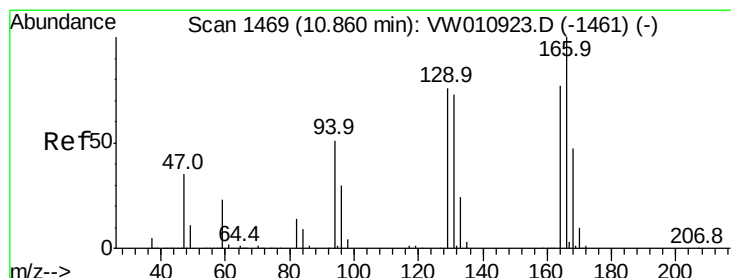
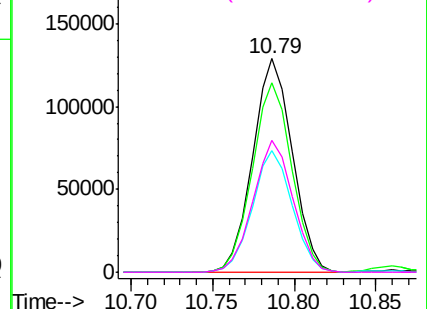
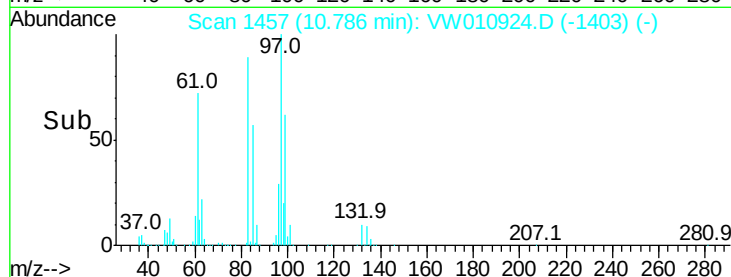


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 55.385 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Tgt Ion: 164 Resp: 216878

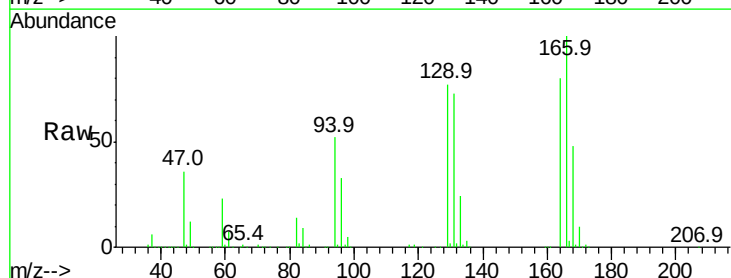
Ion Ratio Lower Upper

164 100

129 95.8 69.6 129.2

131 91.2 66.8 124.0

166 124.6 91.2 169.4

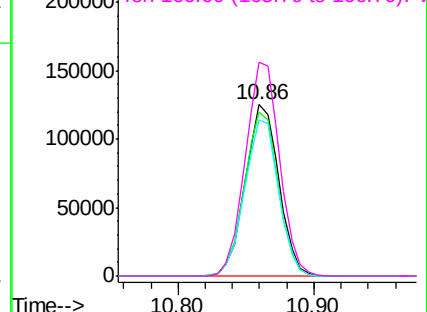
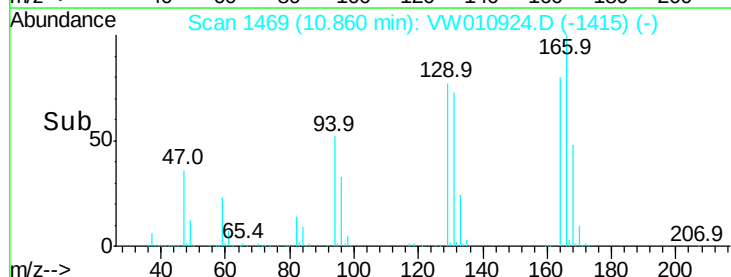


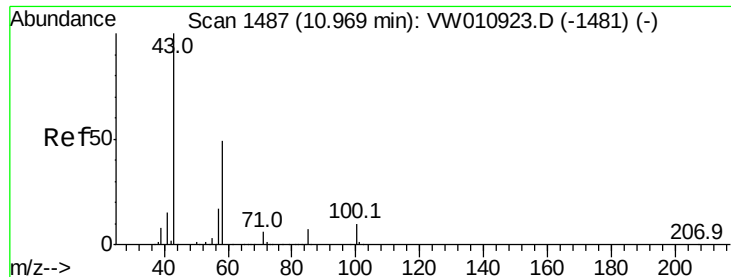
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 105.283 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

Tgt Ion: 43 Resp: 428939

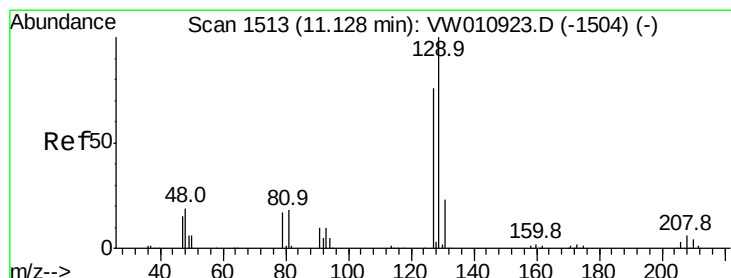
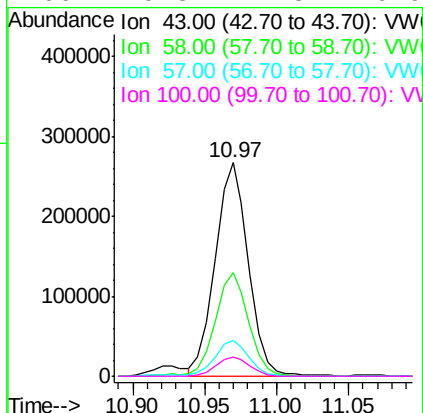
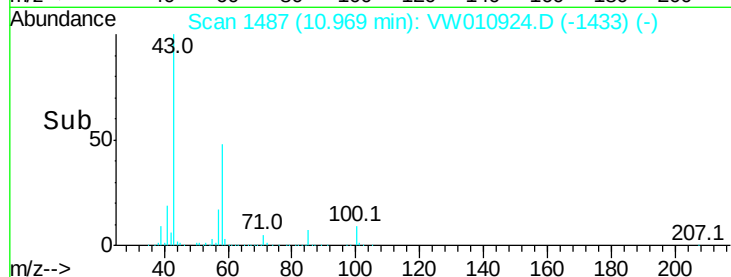
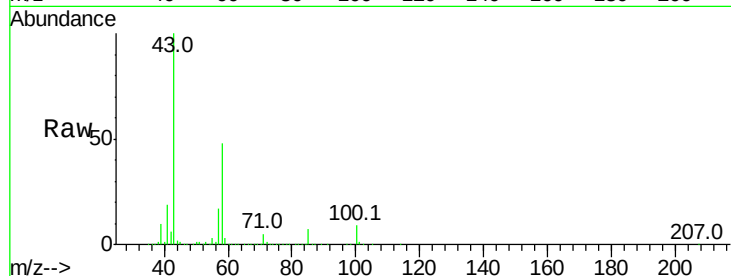
Ion Ratio Lower Upper

43 100

58 48.1 38.3 57.5

57 16.9 13.8 20.8

100 9.3 7.3 10.9



#50

Dibromochloromethane

Concen: 55.596 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010924.D

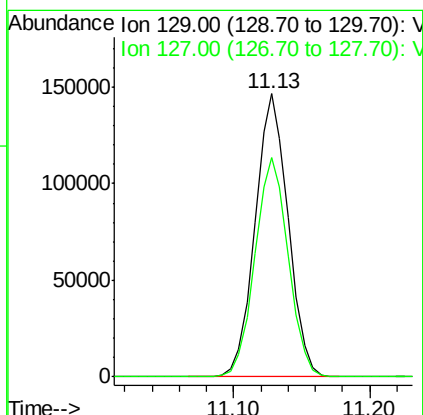
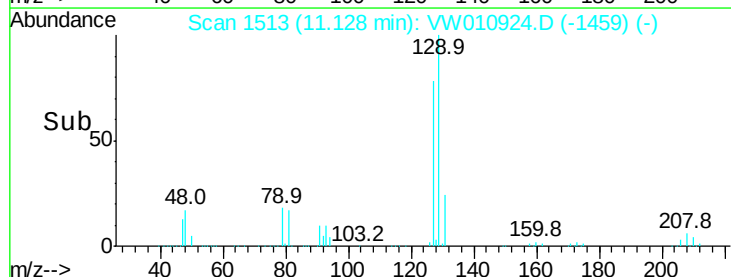
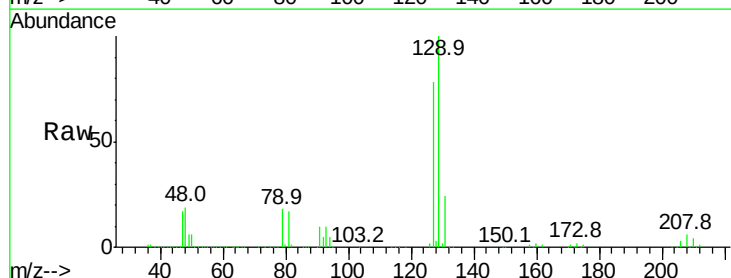
Acq: 24 Jun 2019 09:49

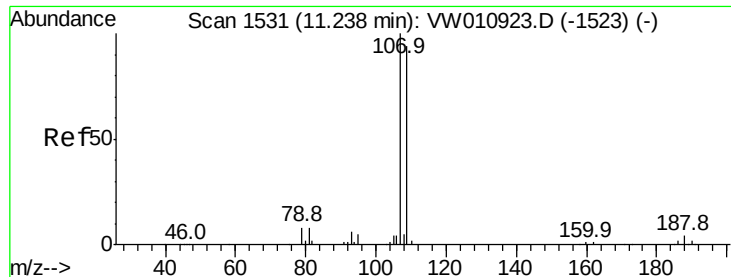
Tgt Ion: 129 Resp: 248591

Ion Ratio Lower Upper

129 100

127 77.7 52.8 98.2

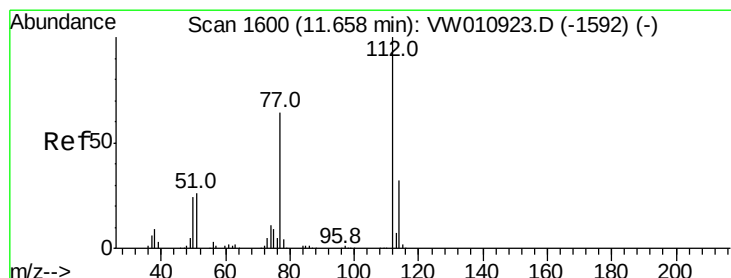
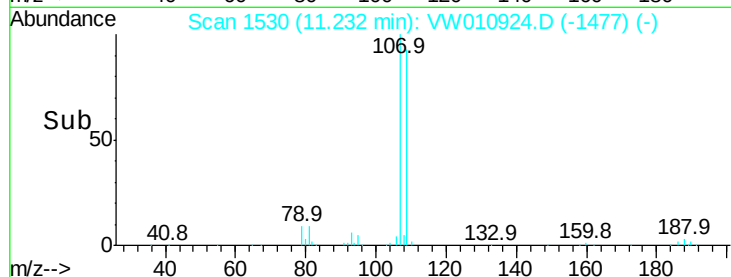
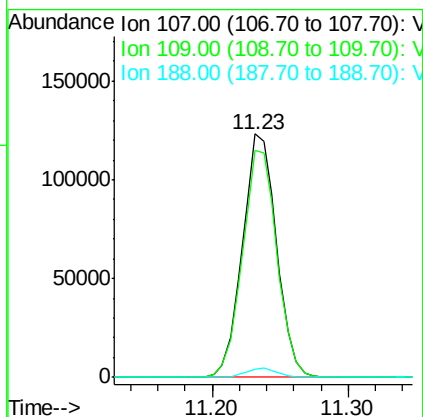
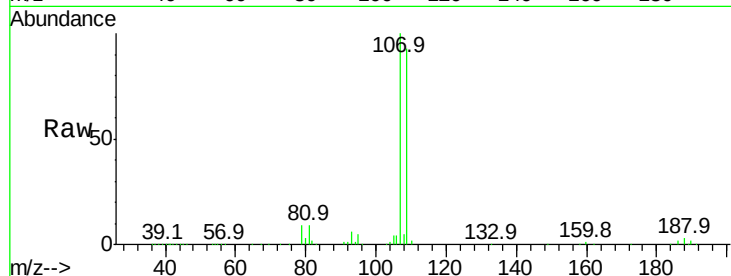




#51
 1,2-Dibromoethane
 Concen: 52.075 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

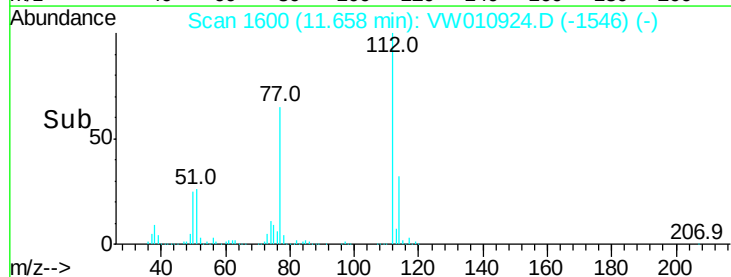
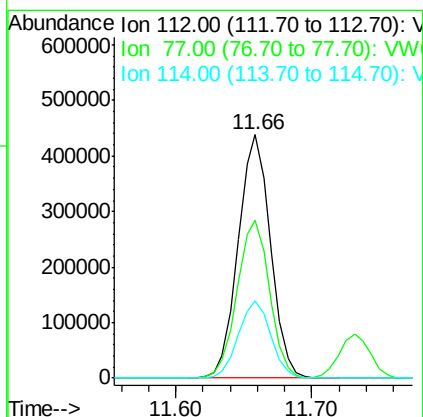
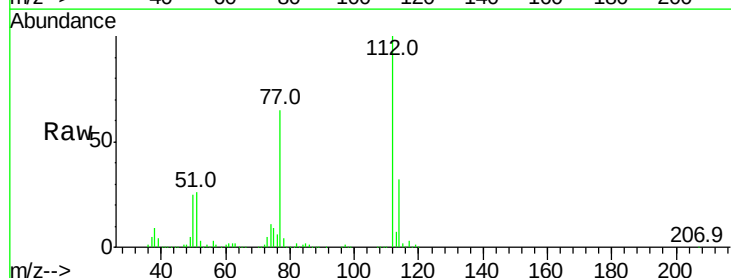
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

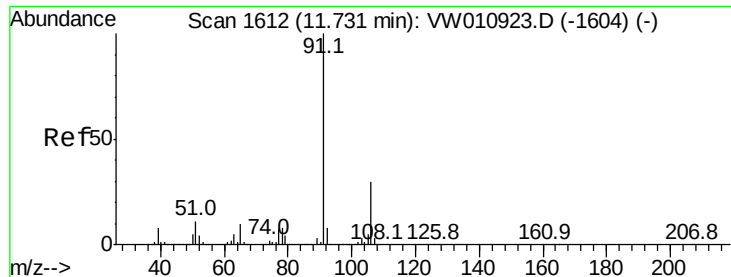
Tgt Ion:107 Resp: 215380
 Ion Ratio Lower Upper
 107 100
 109 93.3 65.5 121.7
 188 3.4 3.3 4.9



#52
 Chlorobenzene
 Concen: 52.751 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Tgt Ion:112 Resp: 724753
 Ion Ratio Lower Upper
 112 100
 77 64.8 51.1 76.7
 114 31.7 22.7 42.1





#53

Ethylbenzene

Concen: 54.478 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

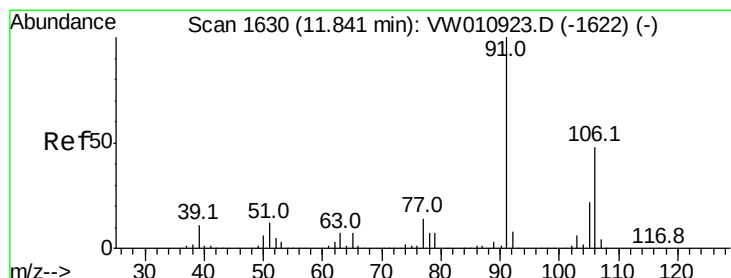
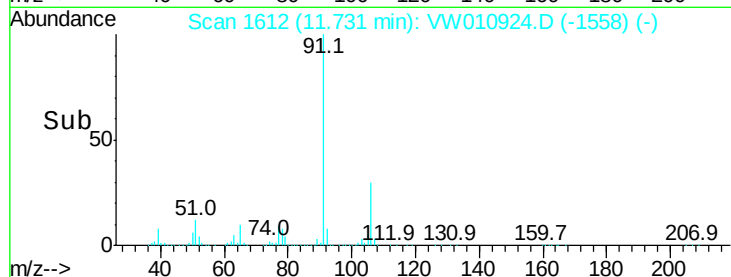
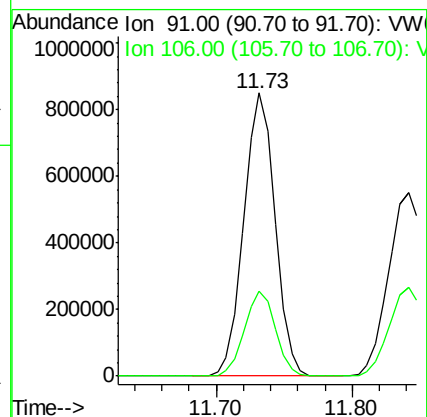
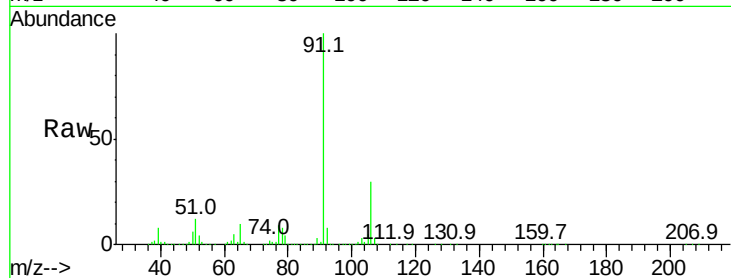
VSTD05005

Tgt Ion: 91 Resp: 1360416

Ion Ratio Lower Upper

91 100

106 30.1 20.9 38.7



#54

m,p-Xylene

Concen: 54.495 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010924.D

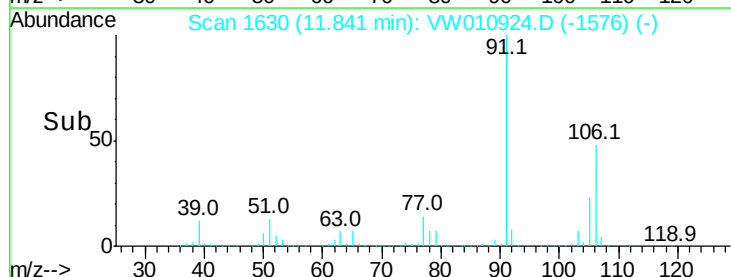
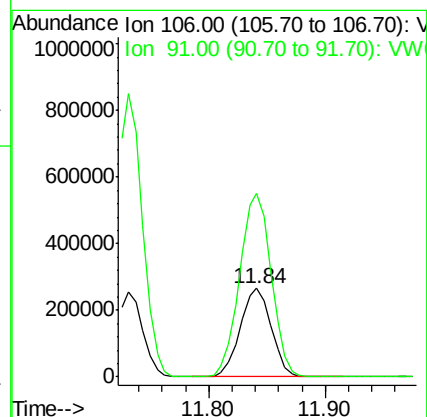
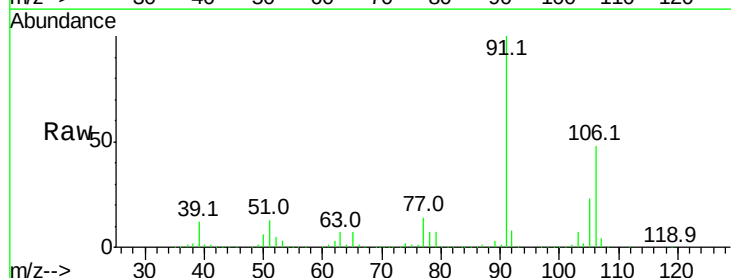
Acq: 24 Jun 2019 09:49

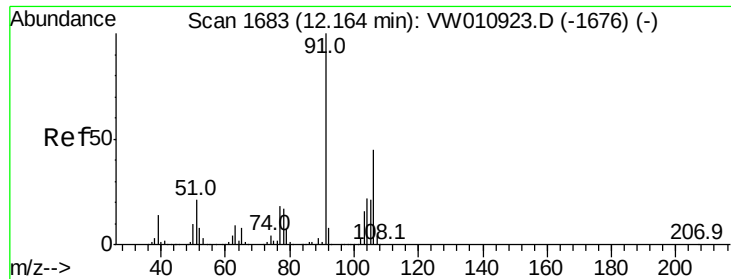
Tgt Ion: 106 Resp: 495157

Ion Ratio Lower Upper

106 100

91 206.5 146.5 272.1





#55

o-xylene

Concen: 52.901 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

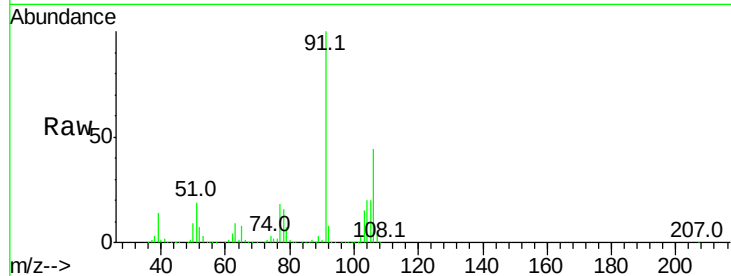
VSTD05005

Tgt Ion:106 Resp: 472377

Ion Ratio Lower Upper

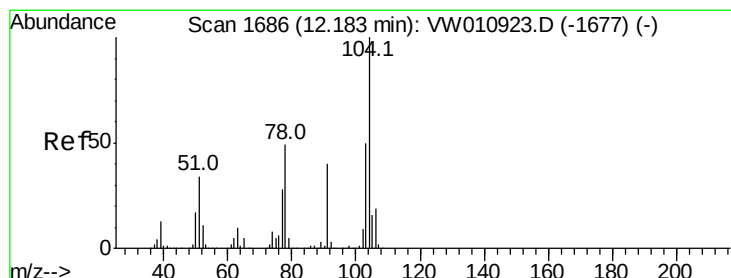
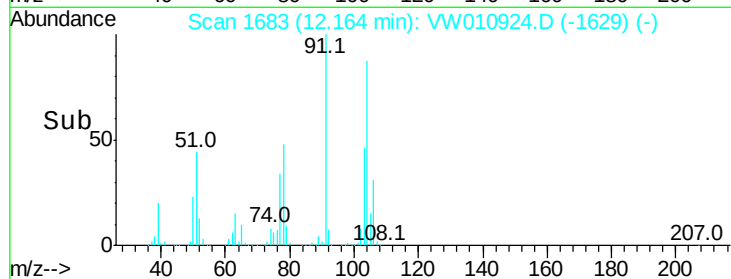
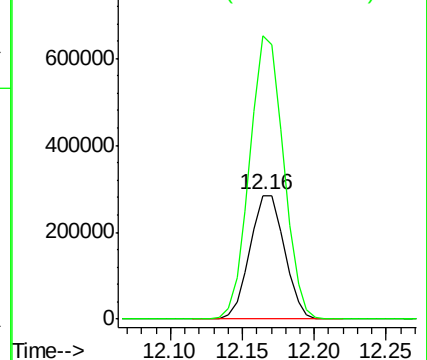
106 100

91 228.5 156.1 289.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 54.087 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW010924.D

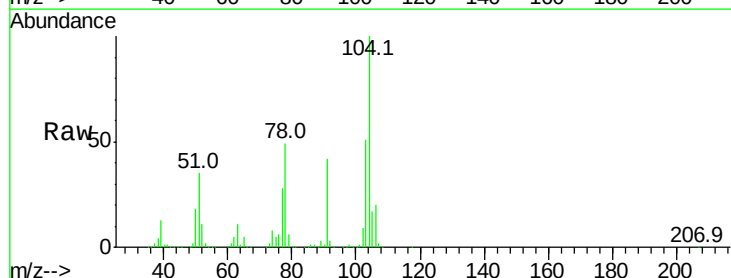
Acq: 24 Jun 2019 09:49

Tgt Ion:104 Resp: 829392

Ion Ratio Lower Upper

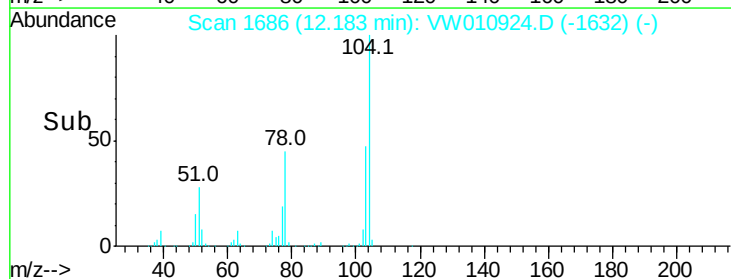
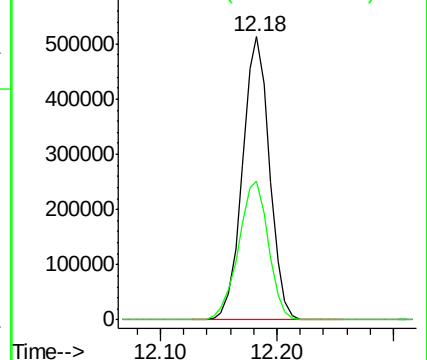
104 100

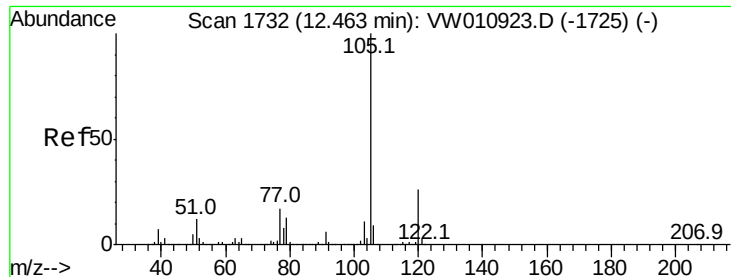
78 49.1 34.4 64.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 55.516 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampled :

VSTD05005

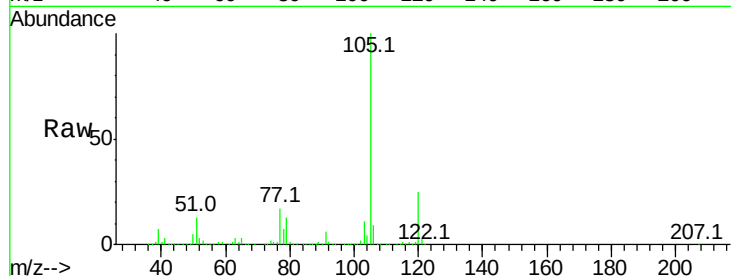
Tgt Ion:105 Resp: 1297012

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

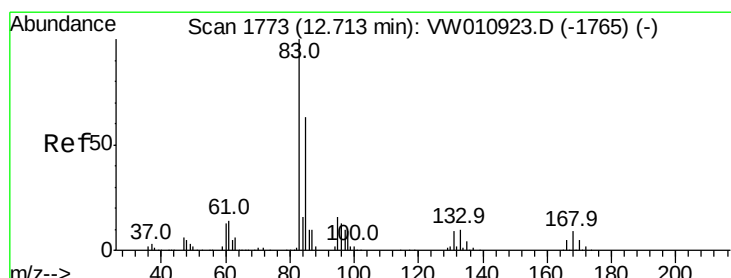
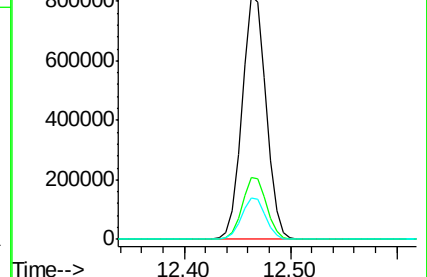
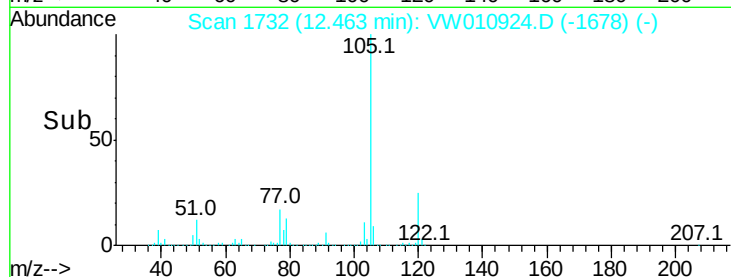
77 17.0 13.7 20.5



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: 52.425 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

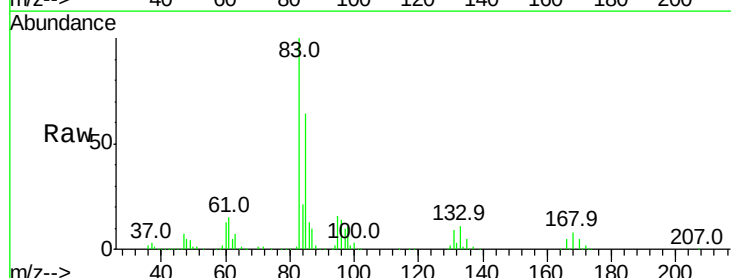
Tgt Ion: 83 Resp: 292056

Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.6

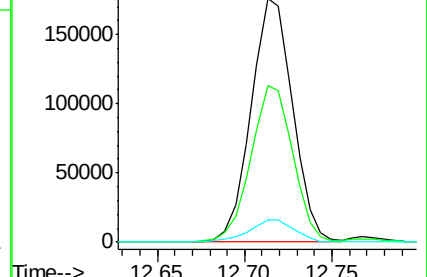
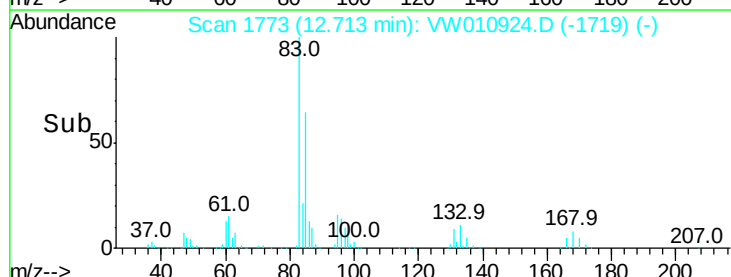
131 9.1 7.4 11.0

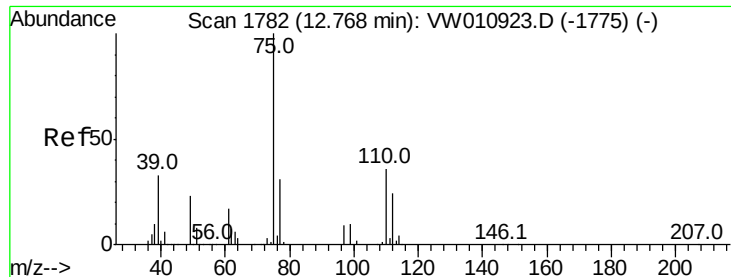


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.055 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

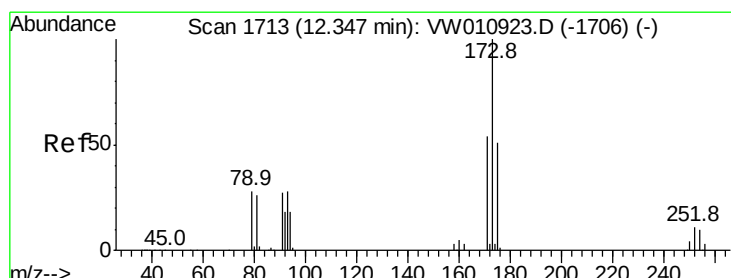
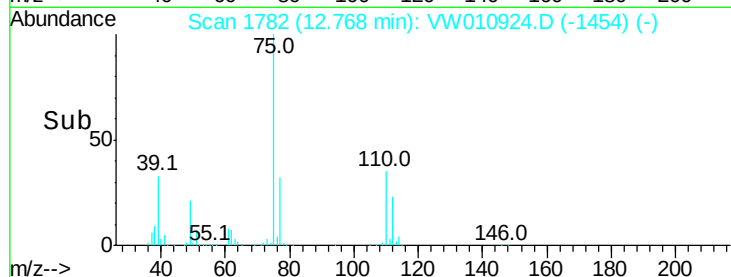
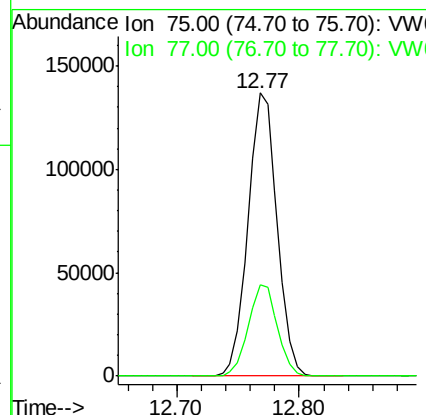
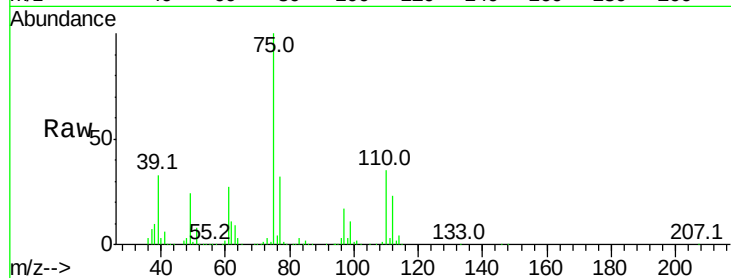
VSTD05005

Tgt Ion: 75 Resp: 225913

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8



#62

Bromoform

Concen: 56.344 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

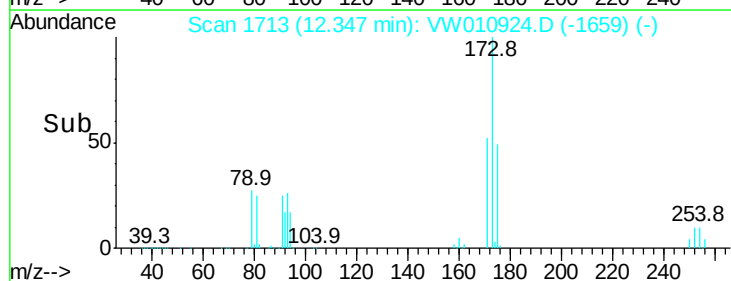
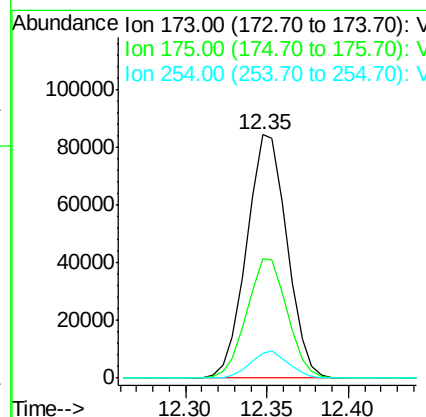
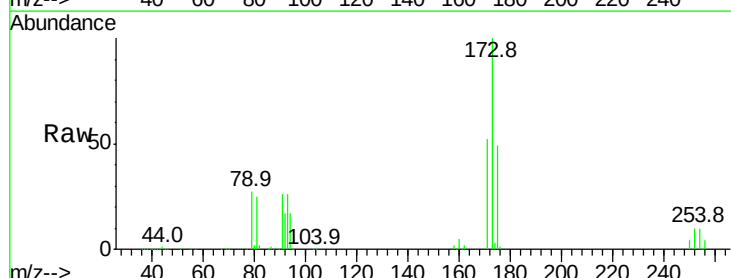
Tgt Ion: 173 Resp: 145657

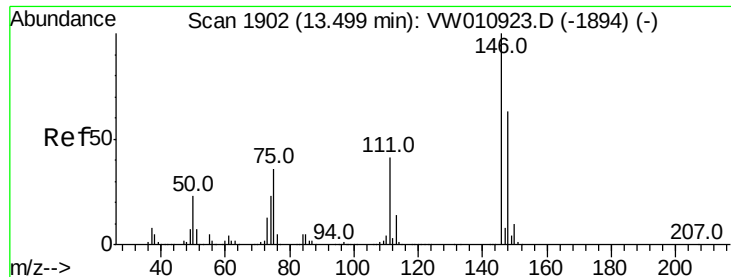
Ion Ratio Lower Upper

173 100

175 49.1 40.1 60.1

254 10.4 8.5 12.7

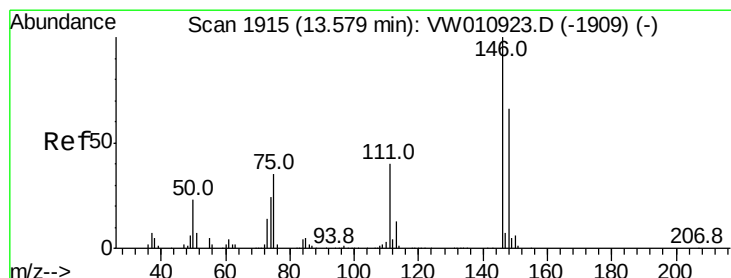
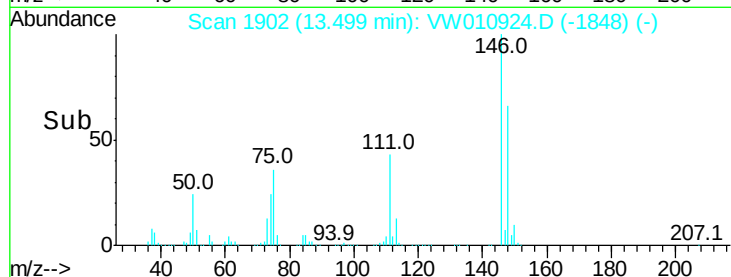
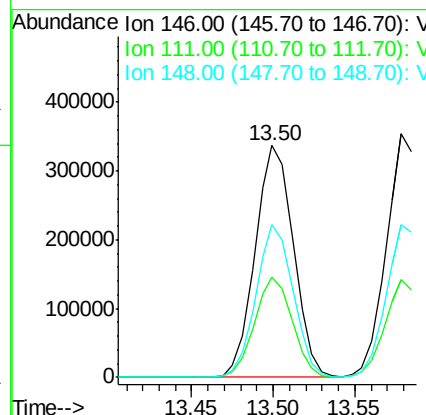
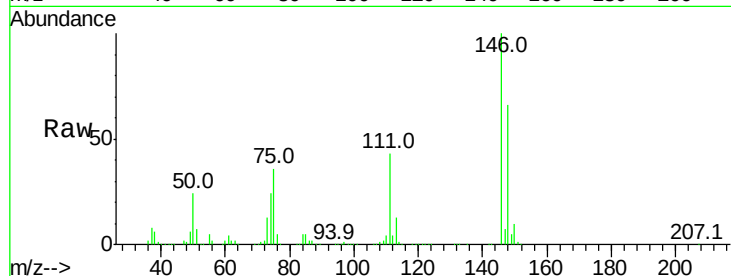




#63
 1,3-Dichlorobenzene
 Concen: 51.975 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

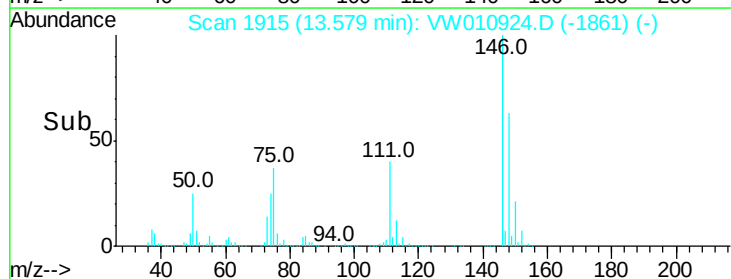
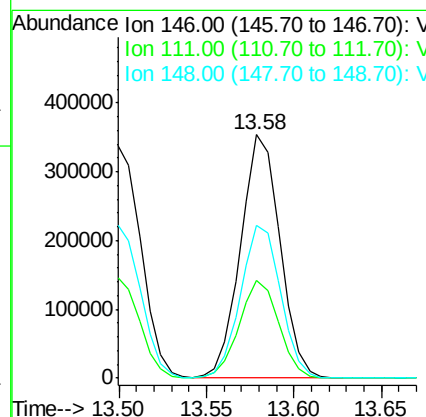
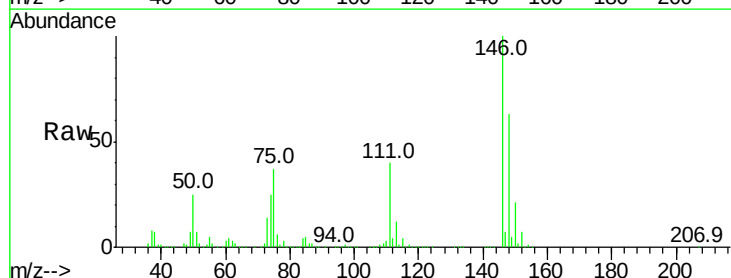
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

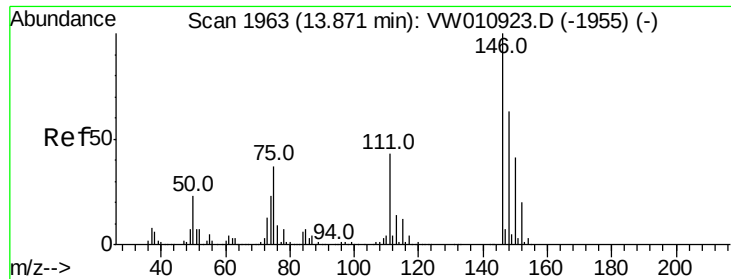
Tgt Ion:146 Resp: 550360
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.9 53.7
 148 66.1 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 51.615 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Tgt Ion:146 Resp: 557900
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.9
 148 62.9 46.0 85.4

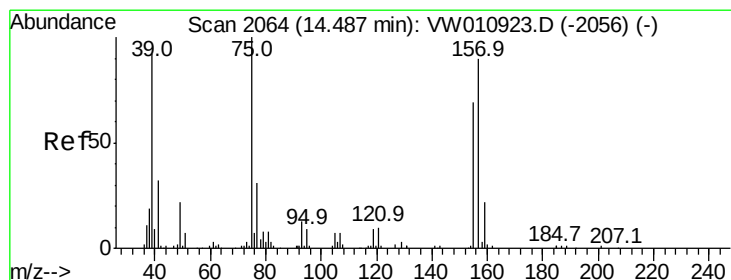
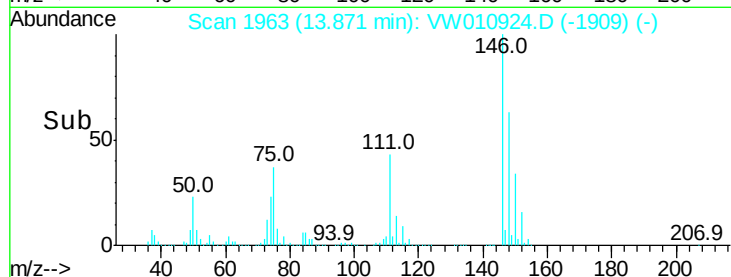
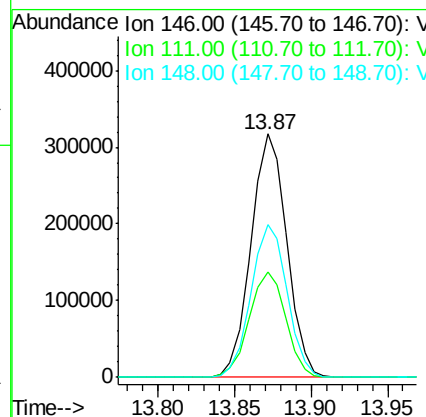
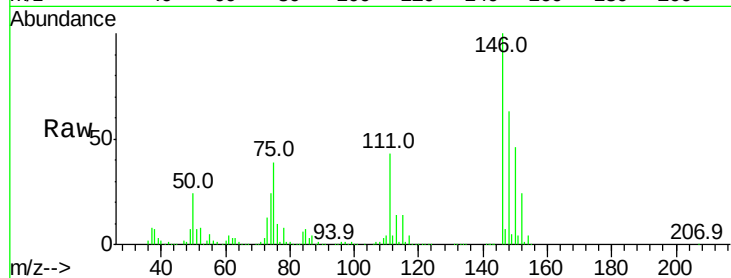




#65
 1,2-Dichlorobenzene
 Concen: 51.630 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

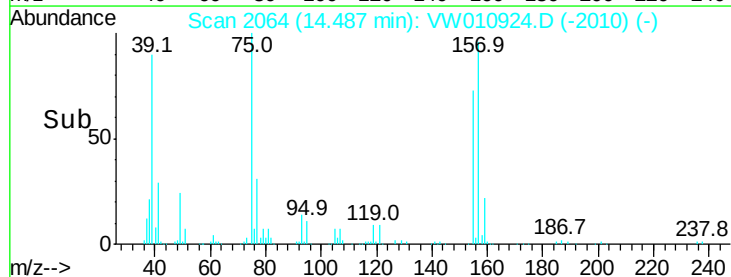
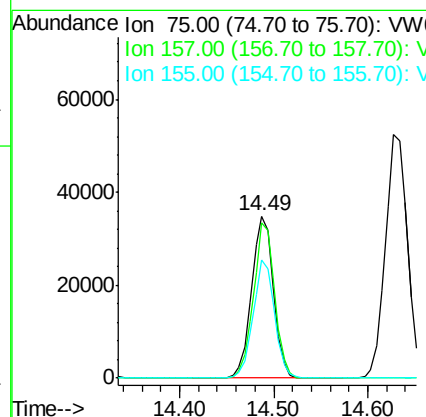
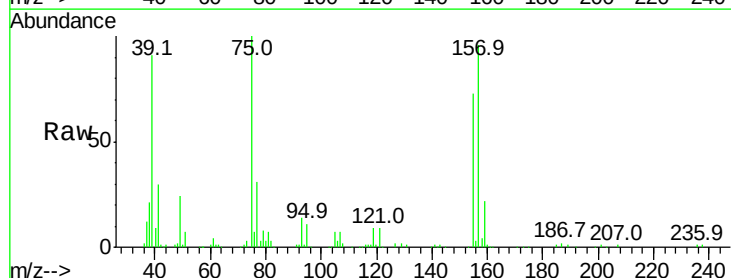
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

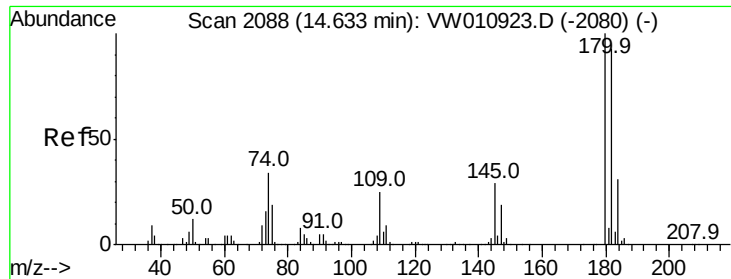
Tgt Ion:146 Resp: 516627
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.6 51.8
 148 62.8 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.129 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Tgt Ion: 75 Resp: 56534
 Ion Ratio Lower Upper
 75 100
 157 95.9 71.8 107.8
 155 73.0 55.2 82.8

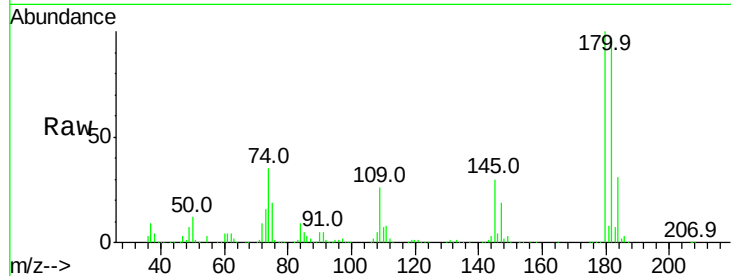




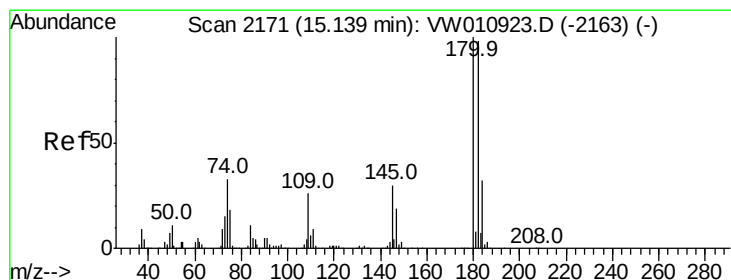
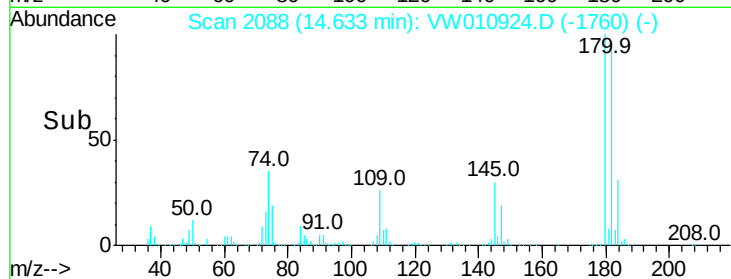
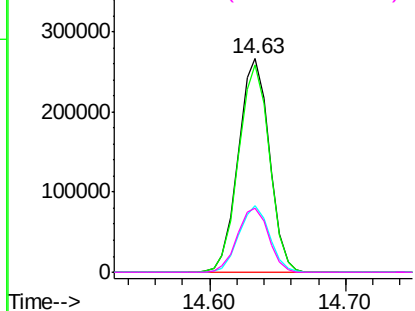
#67
 1,3,5-Trichlorobenzene
 Concen: 52.913 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05005

Tgt Ion:	180	Resp:	424157
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.2
184	30.6	24.3	36.5
145	30.3	24.2	36.2

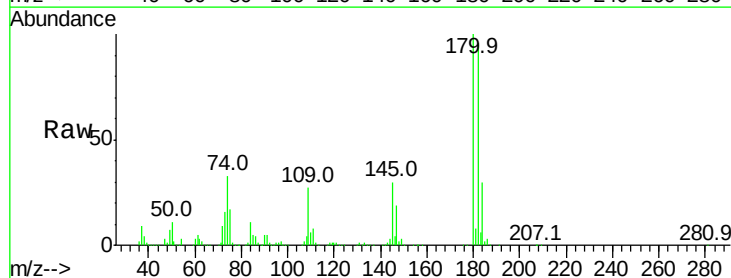


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

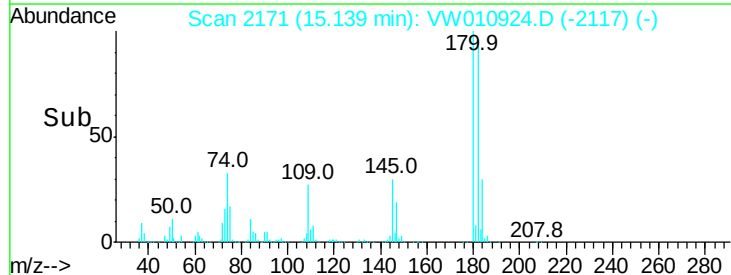
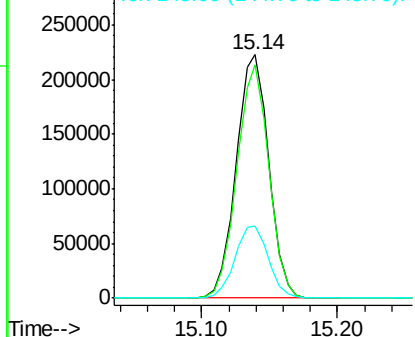


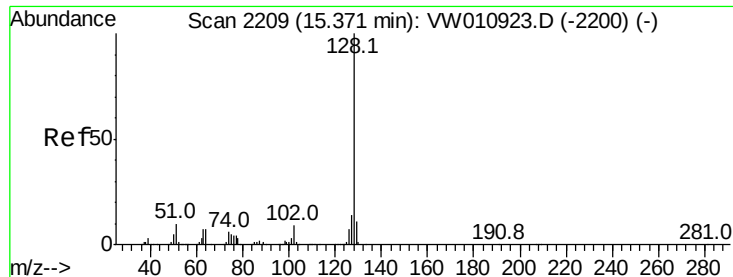
#68
 1,2,4-trichlorobenzene
 Concen: 53.224 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010924.D
 Acq: 24 Jun 2019 09:49

Tgt Ion:	180	Resp:	370916
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.1	114.1
145	30.4	24.2	36.4



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: 53.495 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

Instrument :

MSVOA_W

ClientSampleId :

VSTD05005

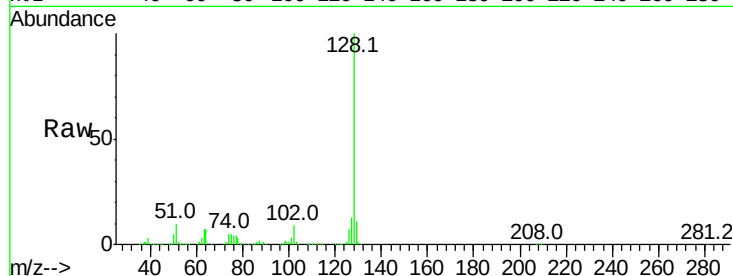
Tgt Ion:128 Resp: 837319

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

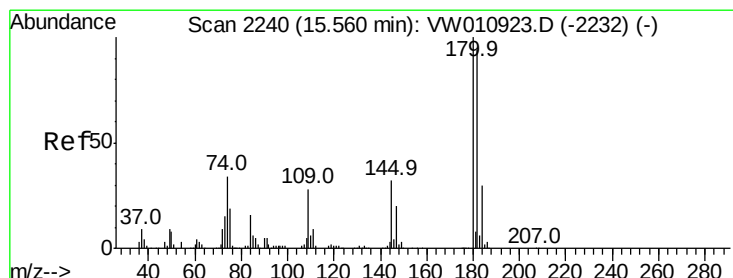
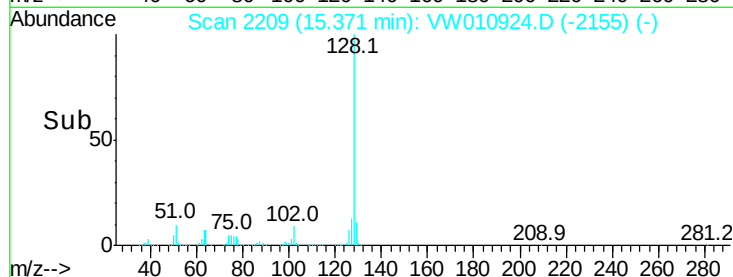
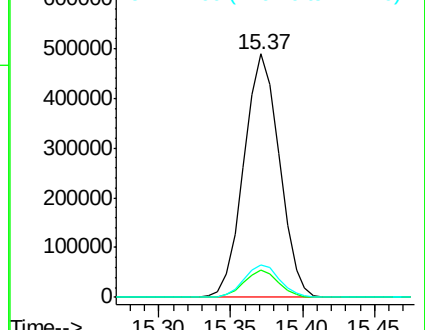
127 13.5 10.9 16.3



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: 51.314 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010924.D

Acq: 24 Jun 2019 09:49

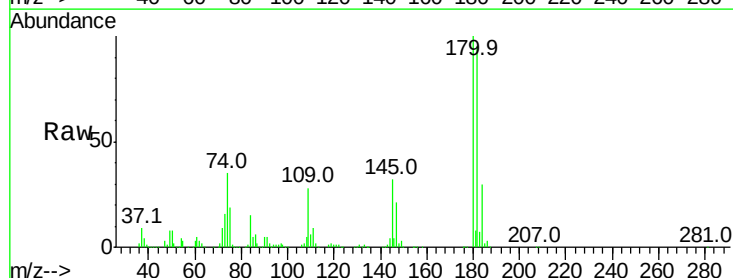
Tgt Ion:180 Resp: 332384

Ion Ratio Lower Upper

180 100

182 96.2 76.0 114.0

145 32.8 25.6 38.4



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

