

Data File : VW005045.D
Acq On : 31 Aug 2018 15:41
Operator : SY/AP
Sample : VSTD10091
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

Quant Time: Aug 31 16:01:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM083118S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 31 15:23:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	662204	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	671173	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	374710	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	964904	77.09	ug/L	0.00
7) Chloroethane-d5	2.87	69	729281	78.59	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.02	63	1442248	90.24	ug/L	0.00
20) 2-Butanone-d5	7.08	46	607281	238.39	ug/L	0.00
24) Chloroform-d	7.65	84	1447494	98.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	790449	98.95	ug/L	0.00
29) Benzene-d6	8.28	84	3471473	100.55	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	1017237	100.28	ug/L	0.00
37) Toluene-d8	10.33	98	3599951	98.43	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	482490	110.55	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	605706	241.02	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	1025542	100.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	1446332	96.09	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	947579	76.071	ug/L	99
3) Chloromethane	2.22	50	1047064	74.171	ug/L	100
5) Vinyl chloride	2.36	62	1059512	74.102	ug/L	99
6) Bromomethane	2.75	94	614342	82.021	ug/L	100
8) Chloroethane	2.91	64	587116	73.479	ug/L	99
9) Trichlorofluoromethane	3.26	101	1149702	79.461	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	768081	88.745	ug/L	99
12) 1,1-Dichloroethene	4.04	96	699782	90.769	ug/L	94
13) Acetone	4.13	43	306761	155.470	ug/L	100
14) Carbon disulfide	4.39	76	2499517	78.245	ug/L	98
15) Methyl Acetate	4.68	43	481755	107.980	ug/L	100
16) Methylene chloride	4.92	84	899671	70.063	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	1921790	115.403	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	788365	98.202	ug/L	98
19) 1,1-Dichloroethane	6.22	63	1304243	89.002	ug/L	99
21) 2-Butanone	7.18	43	592140	194.892	ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	876017	101.122	ug/L	99
23) Bromochloromethane	7.52	128	397536	86.904	ug/L	97
25) Chloroform	7.68	83	1351451	92.013	ug/L	100
27) 1,2-Dichloroethane	8.41	62	885099	91.939	ug/L	100
30) Cyclohexane	7.96	56	1406748	98.460	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	1185060	91.670	ug/L	99
32) Carbon tetrachloride	8.07	117	1088257	94.116	ug/L	98
34) Benzene	8.33	78	3501422	91.495	ug/L	100
35) Trichloroethene	9.10	95	899336	94.508	ug/L	99
36) Methylcyclohexane	9.34	83	1648987	93.686	ug/L	99
40) 1,2-Dichloropropane	9.37	63	872787	92.713	ug/L	99
41) Bromodichloromethane	9.65	83	1006041	96.988	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	1391958	106.520	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1429249	205.667	ug/L	99

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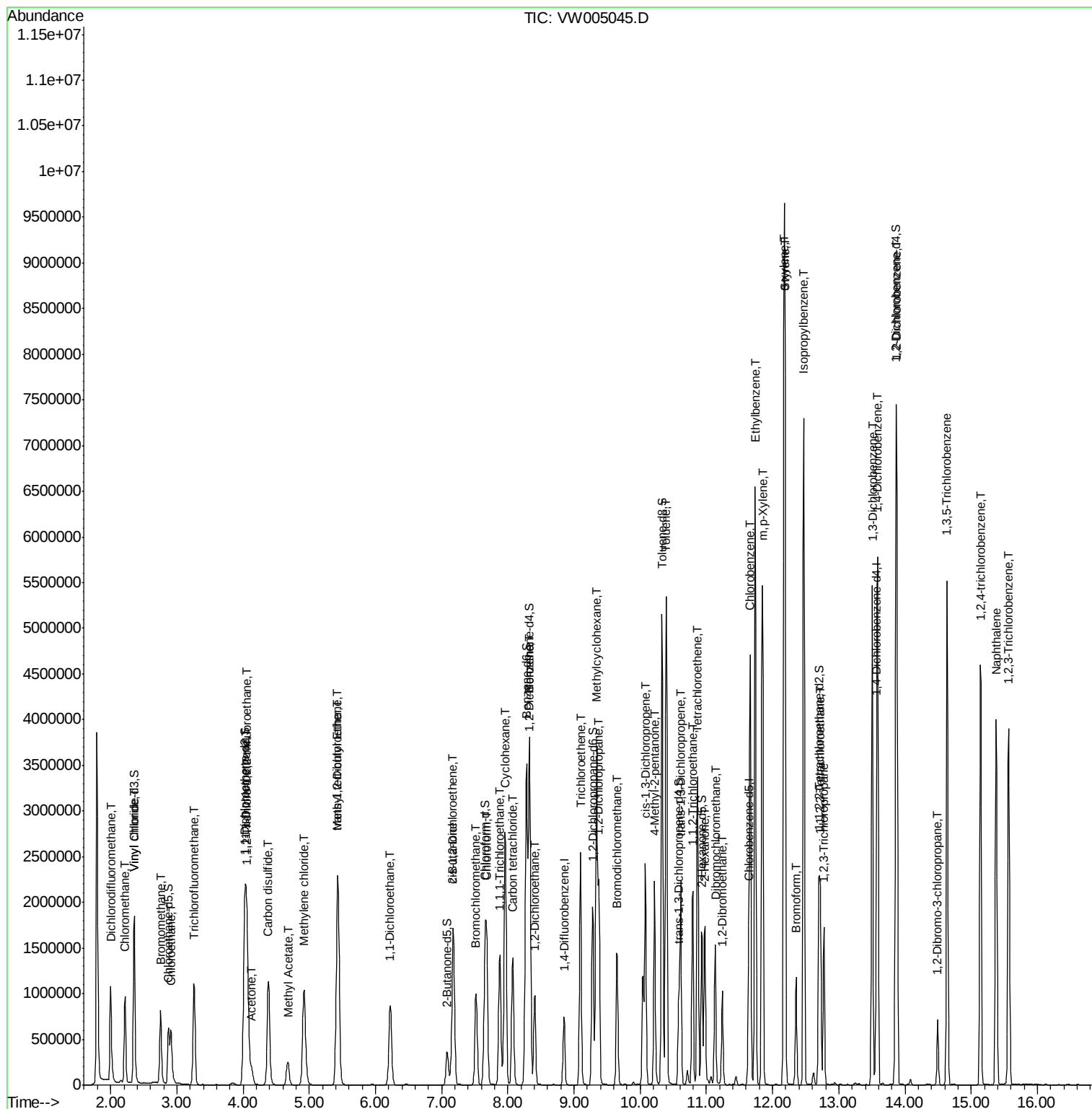
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	4100089	89.214	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	1230801	103.851	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	718587	97.795	ug/L	96
47) Tetrachloroethene	10.87	164	825739	88.635	ug/L	98
49) 2-Hexanone	10.98	43	1074529	200.088	ug/L	99
50) Dibromochloromethane	11.13	129	854950	104.803	ug/L	99
51) 1,2-Dibromoethane	11.24	107	708192	98.182	ug/L	100
52) Chlorobenzene	11.66	112	2702209	88.511	ug/L	99
53) Ethylbenzene	11.74	91	4761079	92.065	ug/L	100
54) m,p-Xylene	11.85	106	1896775	94.544	ug/L	99
55) o-xylene	12.17	106	1811390	96.633	ug/L	100
56) Styrene	12.19	104	3165851	98.298	ug/L	99
57) Isopropylbenzene	12.47	105	4839474	96.655	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	975274	93.128	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	736153	91.225	ug/L	100
62) Bromoform	12.35	173	572543	96.369	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	2320296	89.880	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	2371673	87.751	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	2195867	88.772	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	181612	86.579	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	1892783	91.630	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	1609416	96.497	ug/L	100
69) Naphthalene	15.38	128	3518429	103.783	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	1462878	93.122	ug/L	99

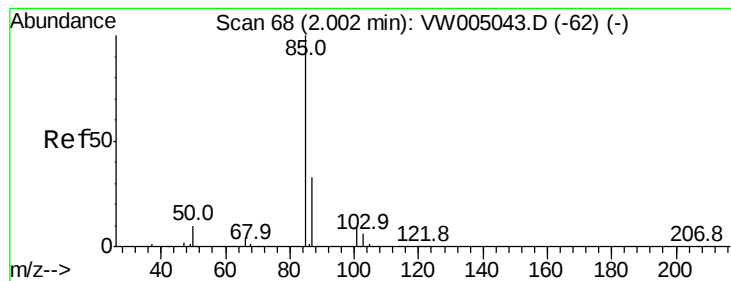
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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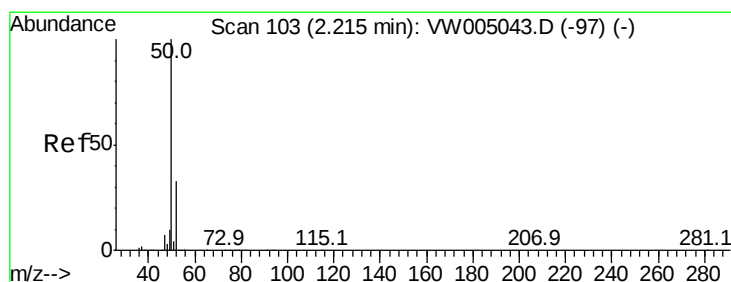
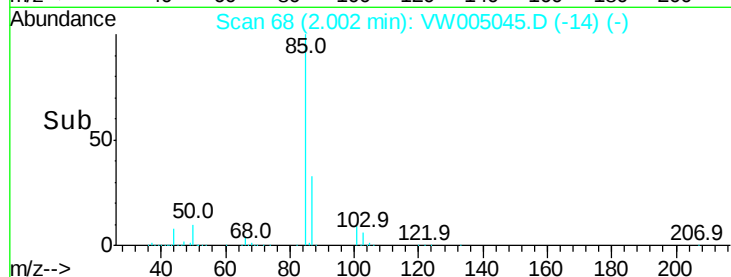
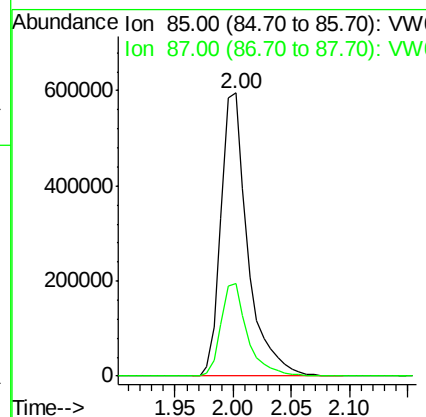
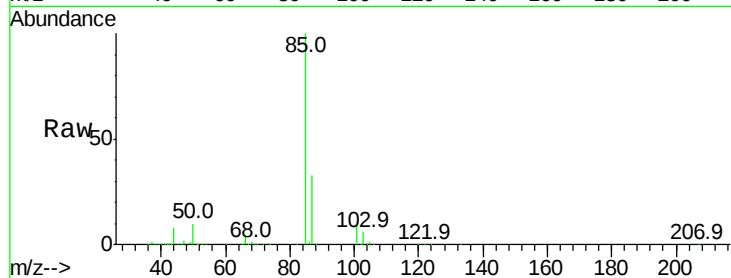




#2
Dichlorodifluoromethane
Concen: 76.071 ug/L
RT: 2.00 min Scan# 68
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

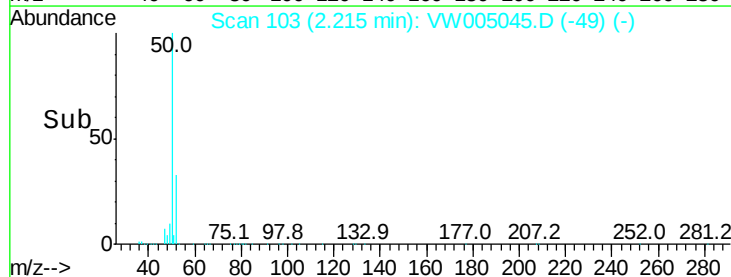
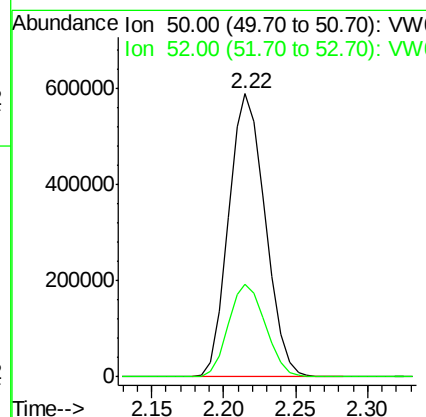
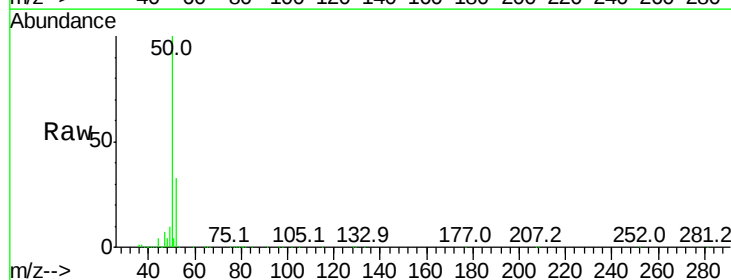
Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

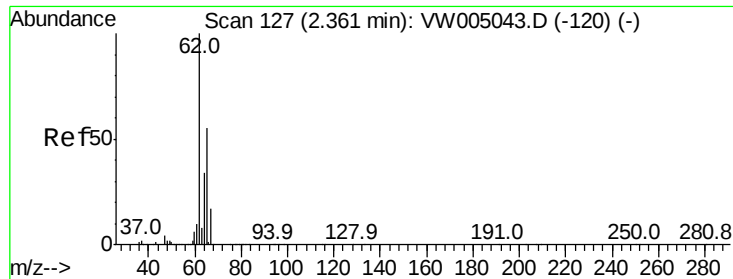
Tgt Ion: 85 Resp: 947579
Ion Ratio Lower Upper
85 100
87 32.4 23.0 42.6



#3
Chloromethane
Concen: 74.171 ug/L
RT: 2.22 min Scan# 103
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion: 50 Resp: 1047064
Ion Ratio Lower Upper
50 100
52 32.9 23.0 42.8





#5

Vinyl chloride

Concen: 74.102 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.01 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

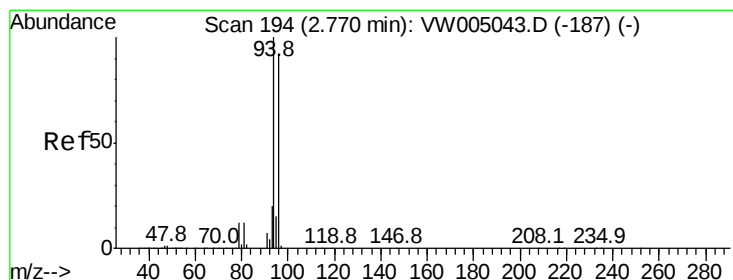
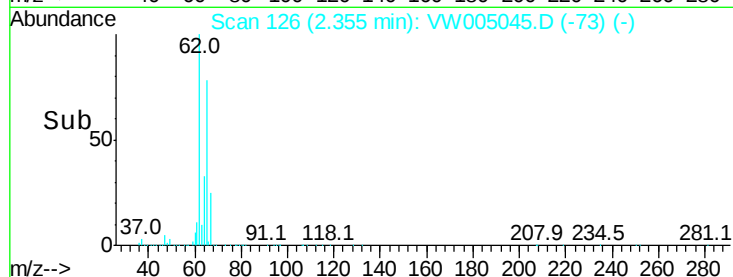
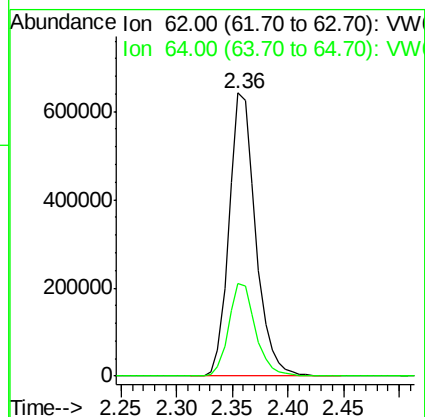
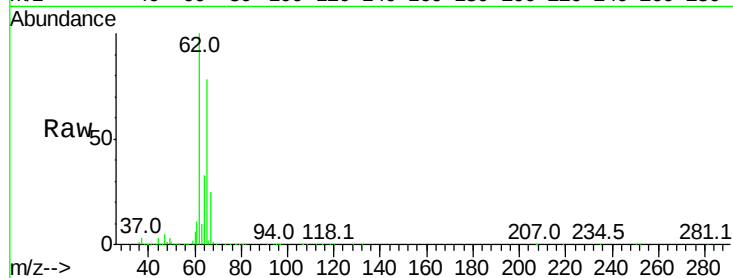
VSTD10091

Tgt Ion: 62 Resp: 1059512

Ion Ratio Lower Upper

62 100

64 32.9 23.4 43.6



#6

Bromomethane

Concen: 82.021 ug/L

RT: 2.75 min Scan# 191

Delta R.T. -0.02 min

Lab File: VW005045.D

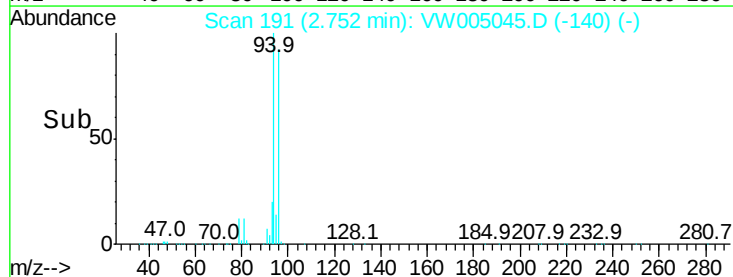
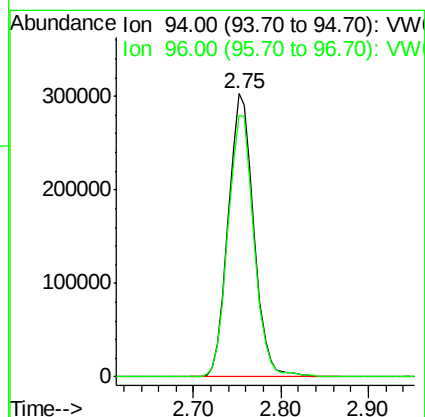
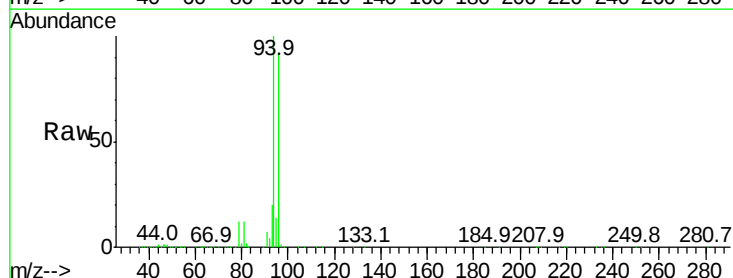
Acq: 31 Aug 2018 15:41

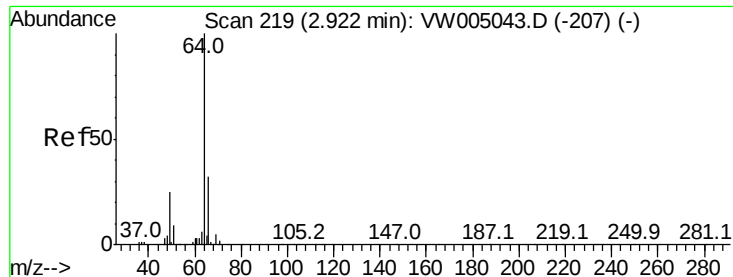
Tgt Ion: 94 Resp: 614342

Ion Ratio Lower Upper

94 100

96 94.3 9.4 178.6

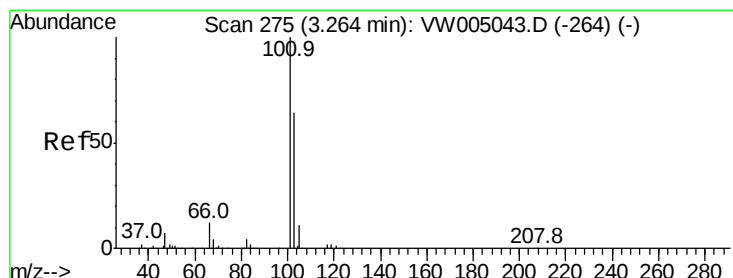
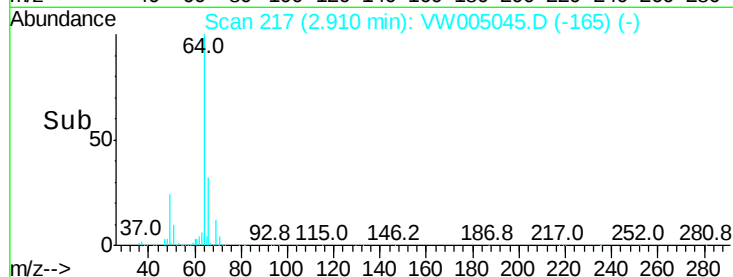
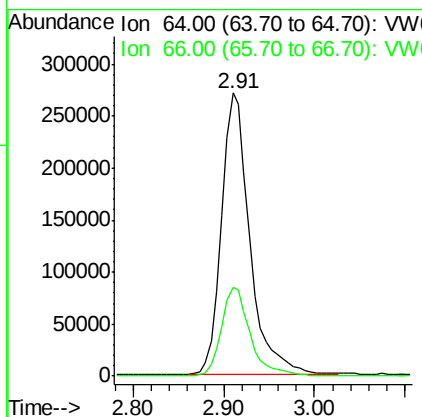
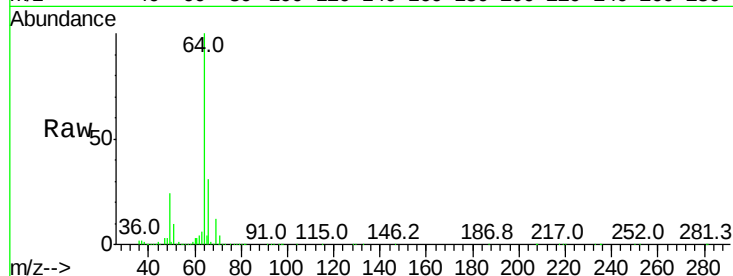




#8
Chloroethane
Concen: 73.479 ug/L
RT: 2.91 min Scan# 217
Delta R.T. -0.01 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

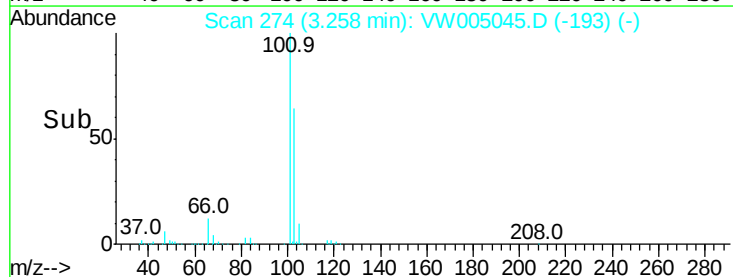
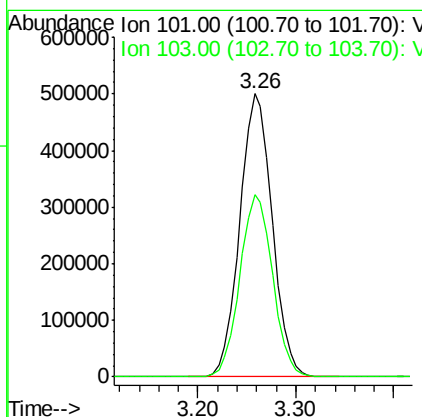
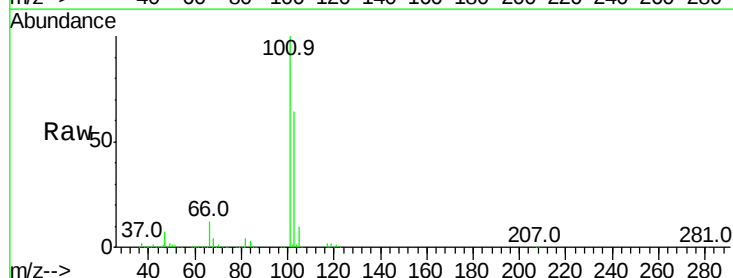
Instrument :
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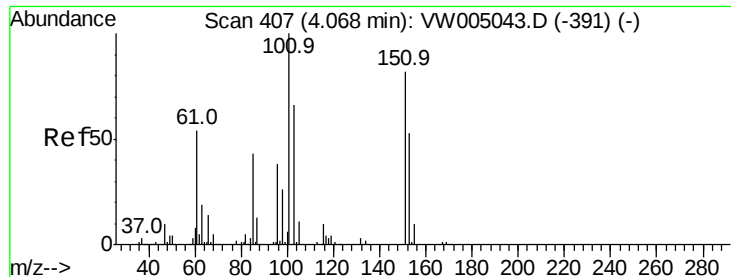
Tgt Ion: 64 Resp: 587116
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 79.461 ug/L
RT: 3.26 min Scan# 274
Delta R.T. -0.01 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion: 101 Resp: 1149702
Ion Ratio Lower Upper
101 100
103 65.0 45.4 84.4





#11

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

Concen: 88.745 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10091

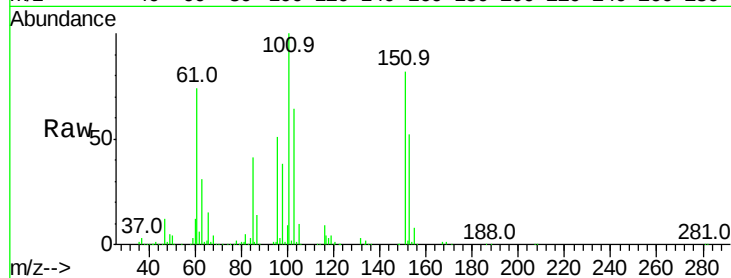
Tgt Ion: 101 Resp: 768081

Ion Ratio Lower Upper

101 100

85 40.9 33.3 49.9

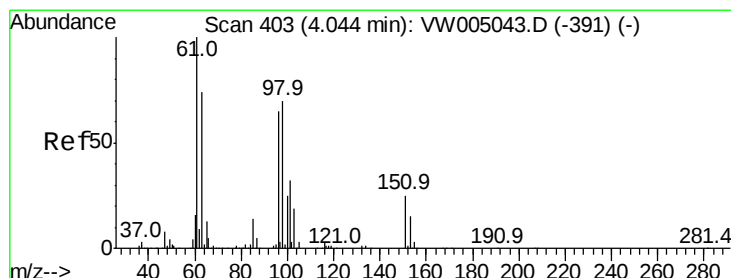
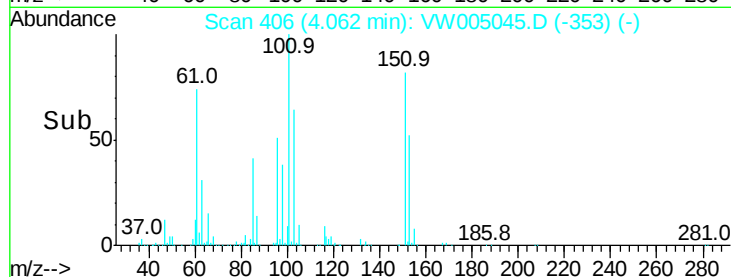
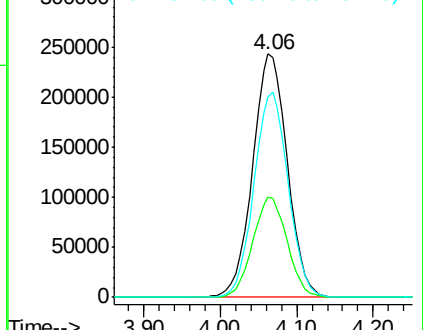
151 83.1 66.8 100.2



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: 90.769 ug/L

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

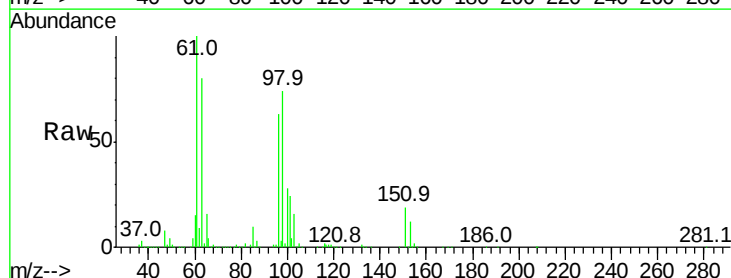
Tgt Ion: 96 Resp: 699782

Ion Ratio Lower Upper

96 100

61 158.4 108.4 201.4

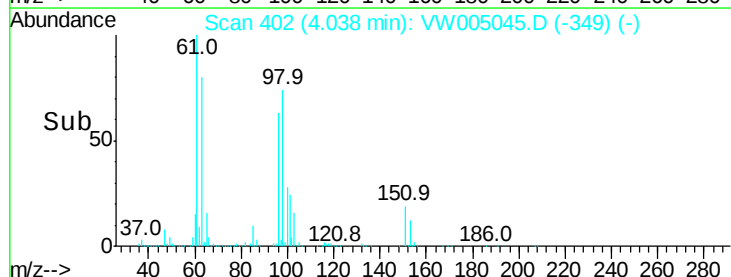
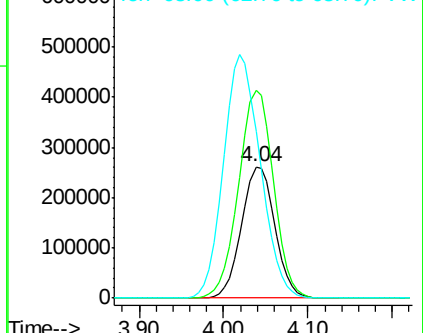
63 127.2 81.2 150.8

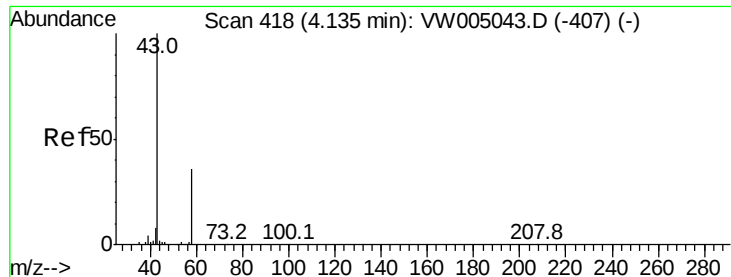


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 155.470 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

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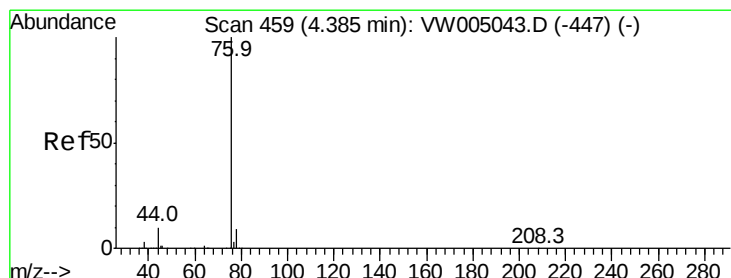
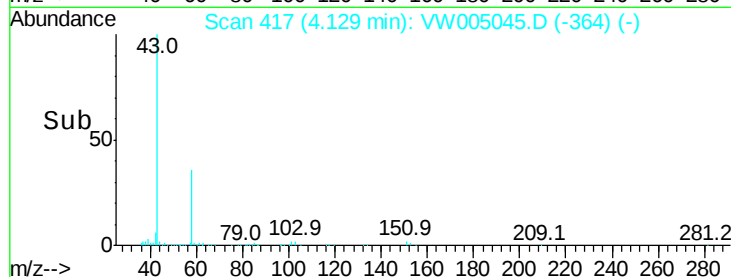
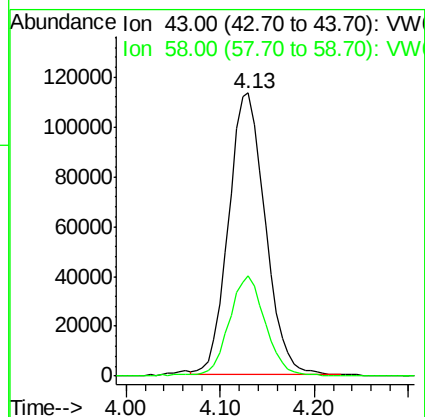
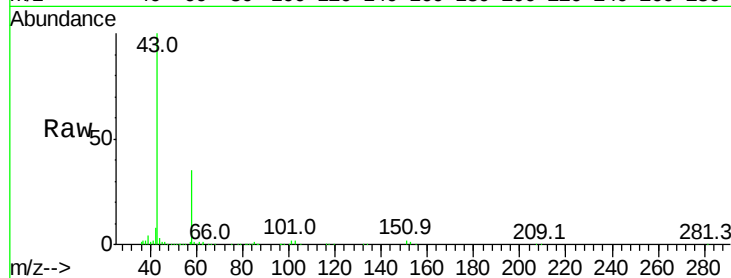
VSTD10091

Tgt Ion: 43 Resp: 306761

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.4



#14

Carbon disulfide

Concen: 78.245 ug/L

RT: 4.39 min Scan# 459

Delta R.T. 0.00 min

Lab File: VW005045.D

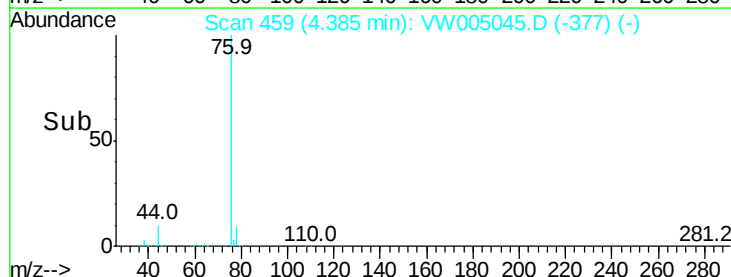
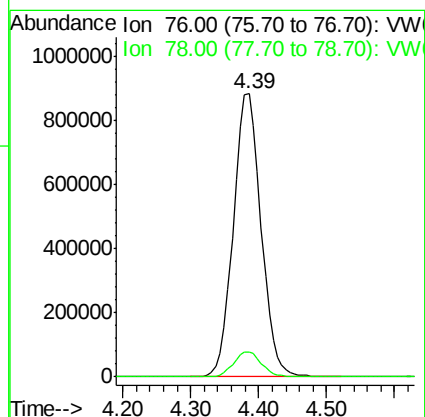
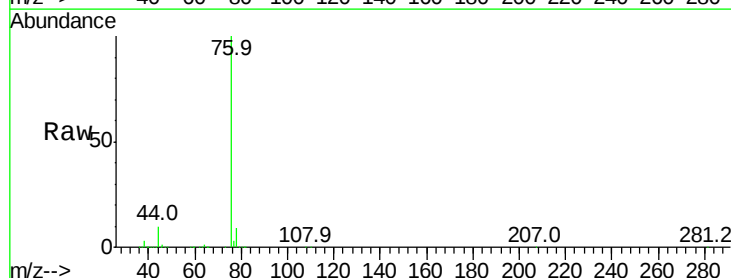
Acq: 31 Aug 2018 15:41

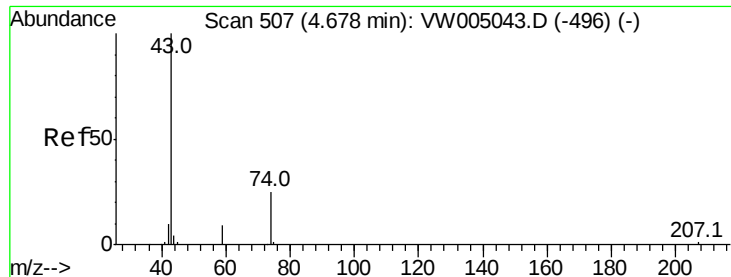
Tgt Ion: 76 Resp: 2499517

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4





#15

Methyl Acetate

Concen: 107.980 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

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ClientSampleId :

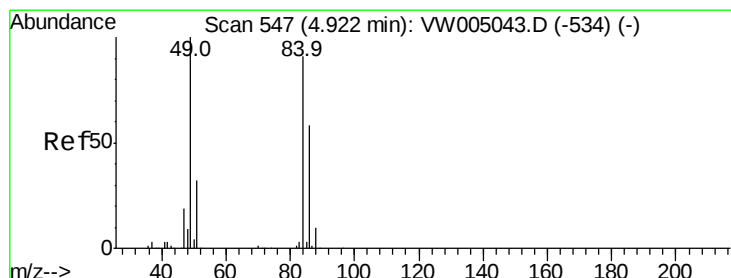
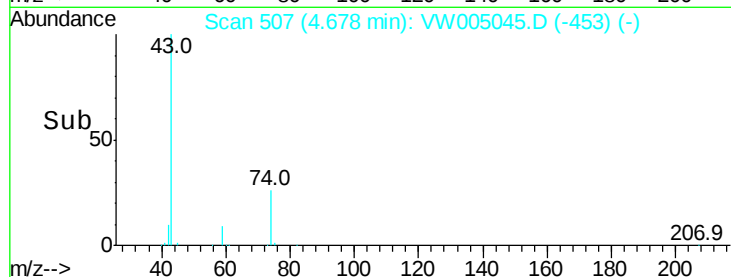
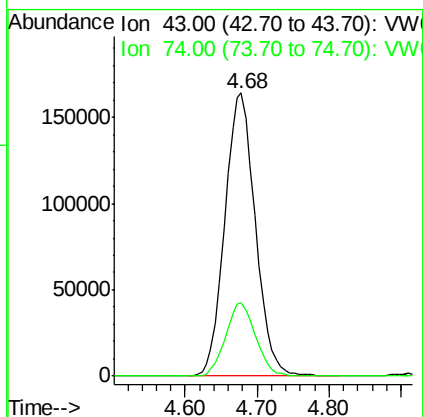
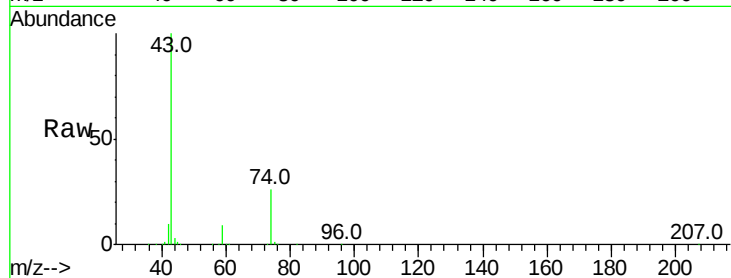
VSTD10091

Tgt Ion: 43 Resp: 481755

Ion Ratio Lower Upper

43 100

74 25.6 20.6 30.8



#16

Methylene chloride

Concen: 70.063 ug/L

RT: 4.92 min Scan# 547

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

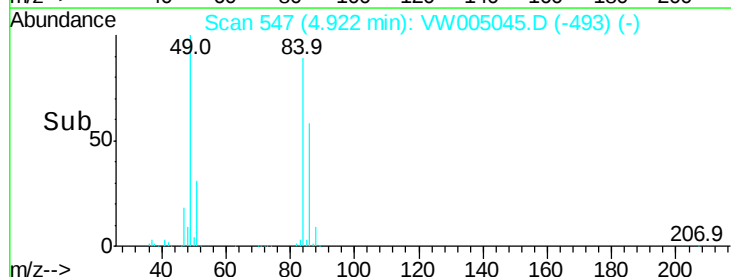
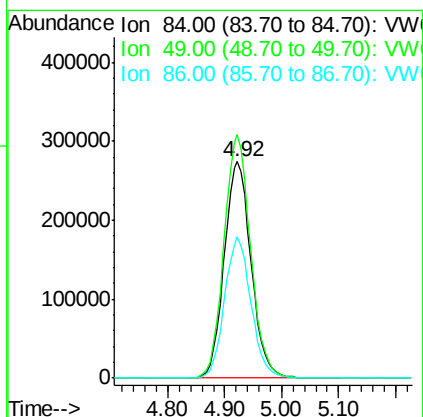
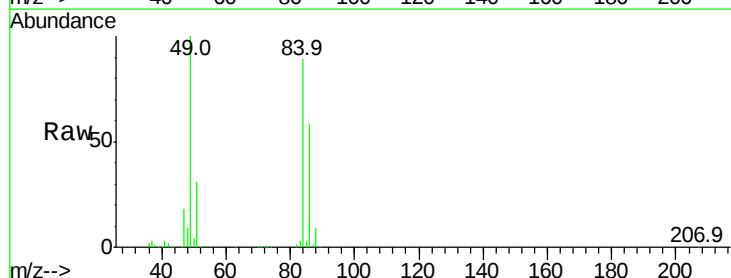
Tgt Ion: 84 Resp: 899671

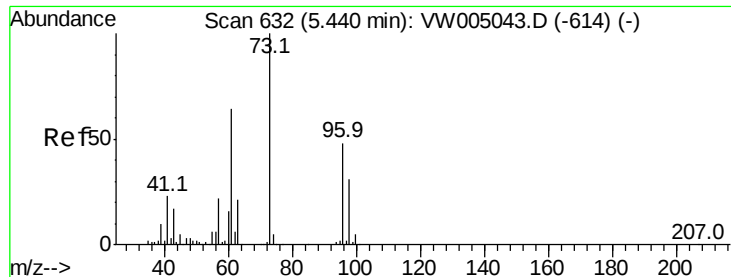
Ion Ratio Lower Upper

84 100

49 112.5 77.3 143.7

86 65.2 44.7 83.1

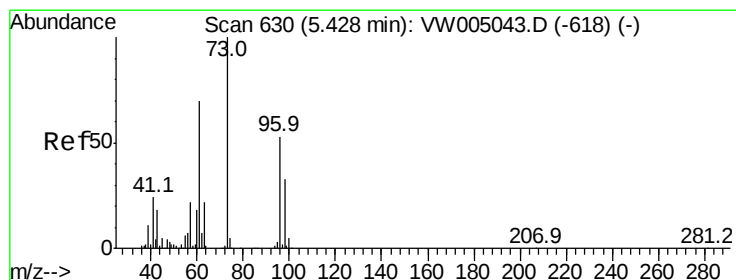
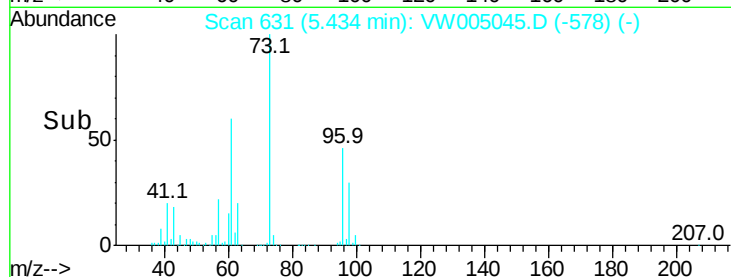
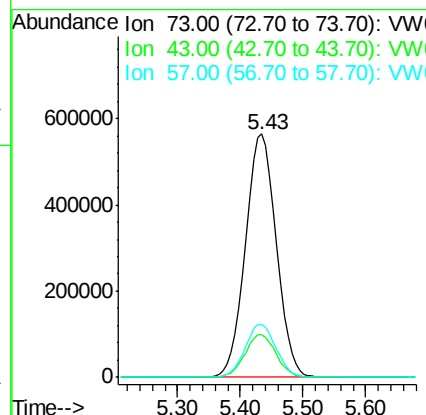
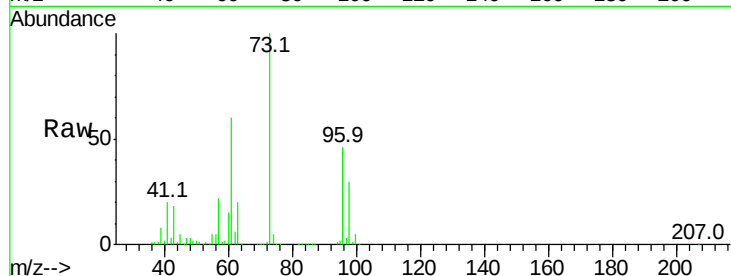




#17
Methyl tert-butyl Ether
Concen: 115.403 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

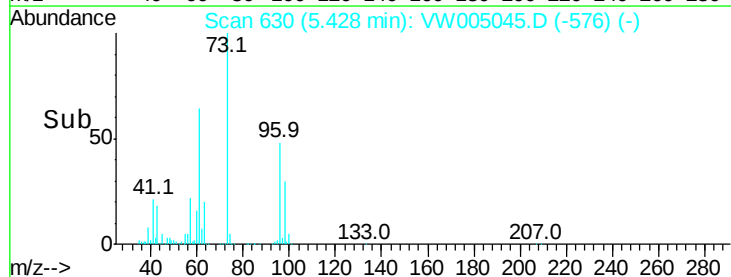
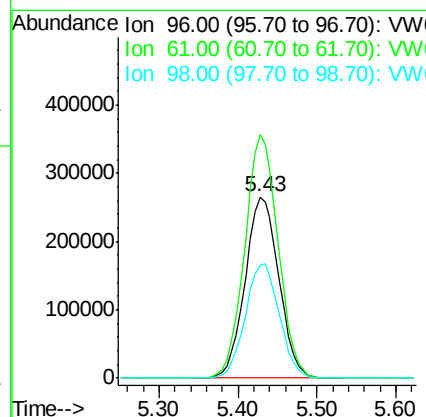
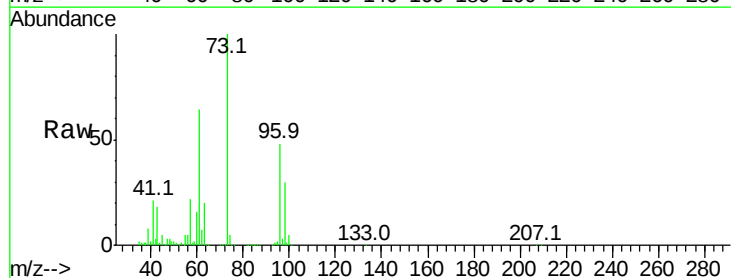
Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

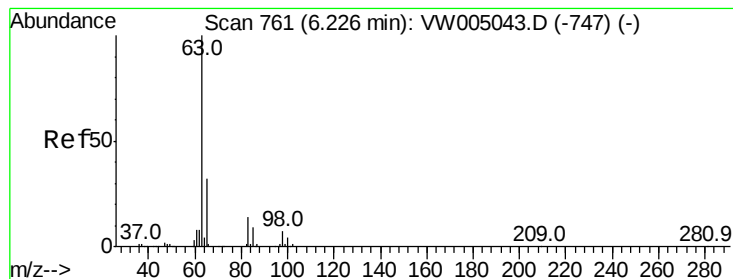
Tgt Ion: 73 Resp: 1921790
Ion Ratio Lower Upper
73 100
43 17.7 14.8 22.2
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 98.202 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion: 96 Resp: 788365
Ion Ratio Lower Upper
96 100
61 134.3 92.3 171.3
98 62.5 42.8 79.6





#19

1,1-Dichloroethane

Concen: 89.002 ug/L

RT: 6.22 min Scan# 760

Delta R.T. -0.01 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10091

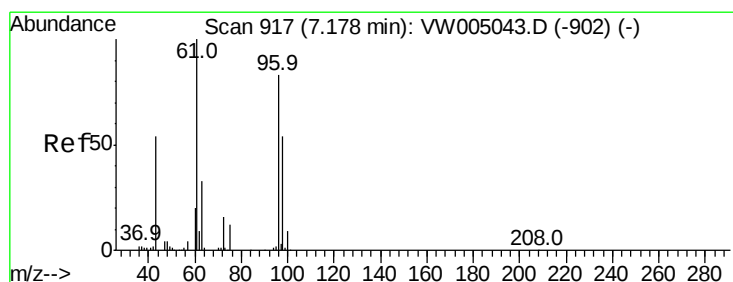
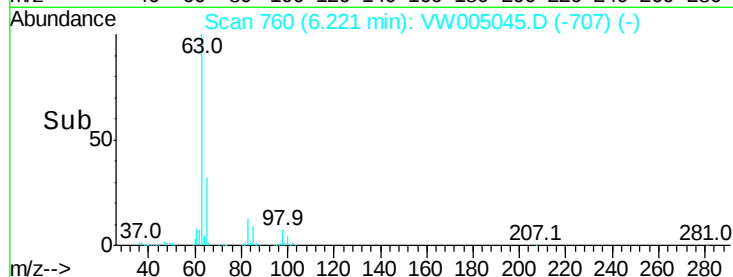
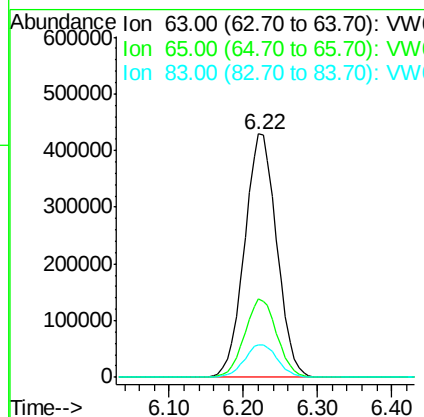
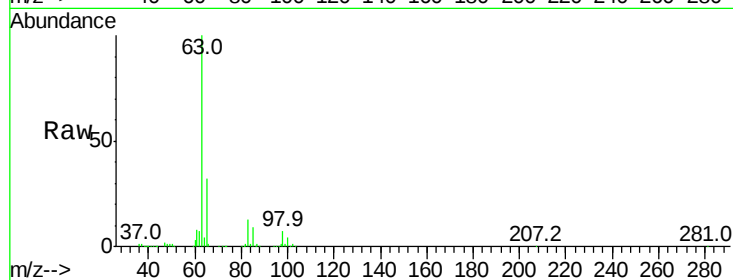
Tgt Ion: 63 Resp: 1304243

Ion Ratio Lower Upper

63 100

65 32.1 22.2 41.2

83 13.3 9.8 18.2



#21

2-Butanone

Concen: 194.892 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW005045.D

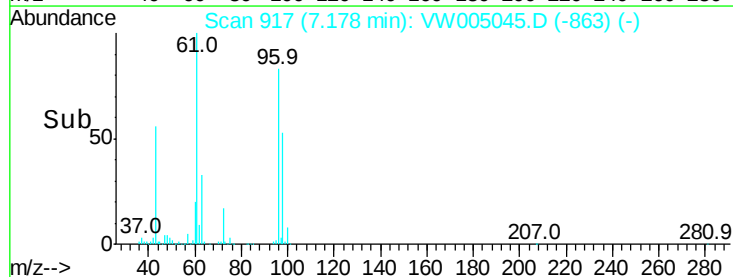
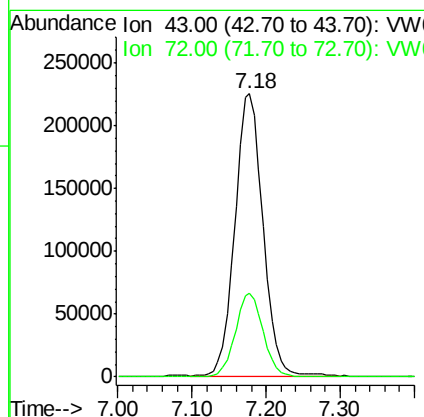
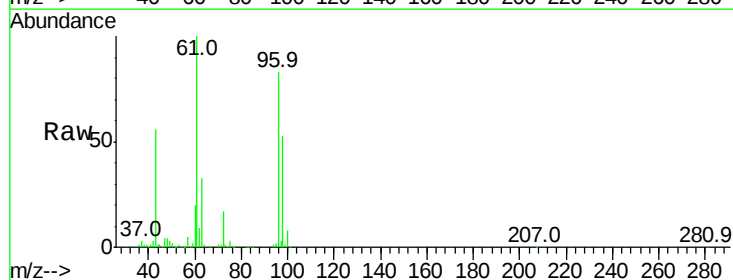
Acq: 31 Aug 2018 15:41

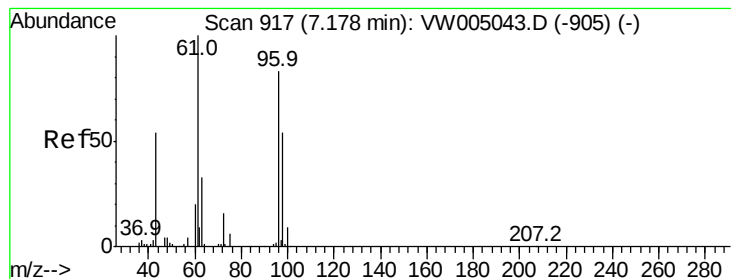
Tgt Ion: 43 Resp: 592140

Ion Ratio Lower Upper

43 100

72 29.4 14.4 43.2



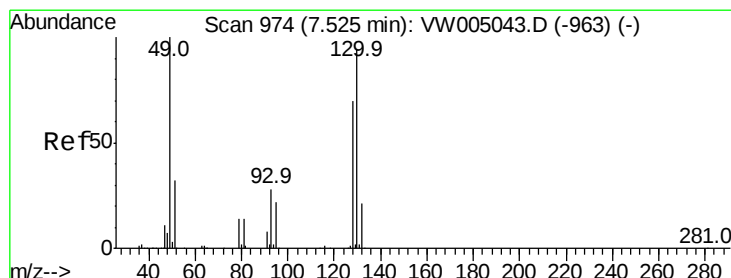
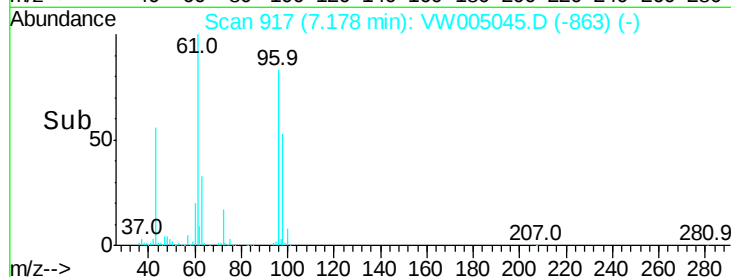
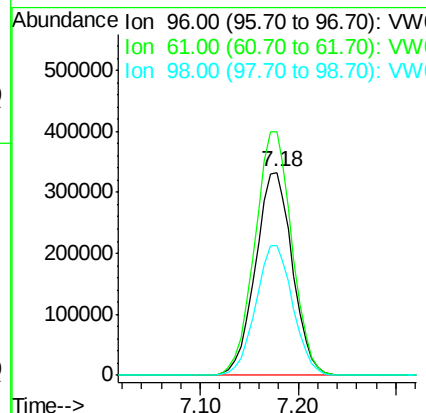
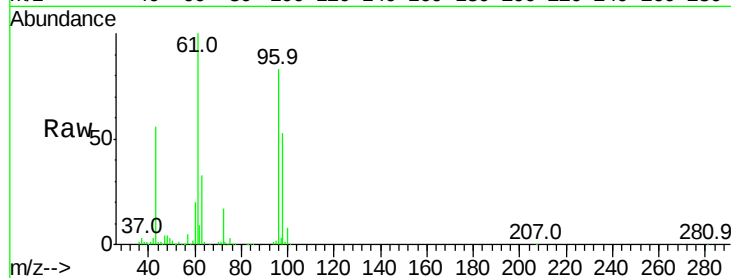


#22

cis-1,2-Dichloroethene
Concen: 101.122 ug/L
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

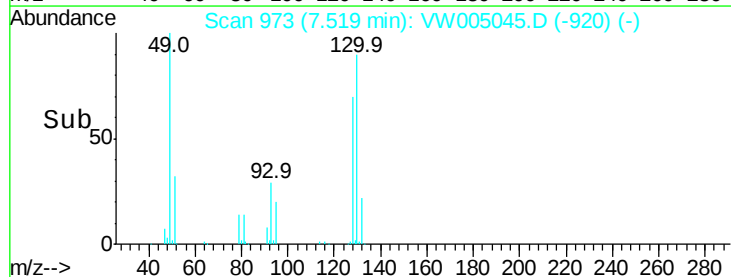
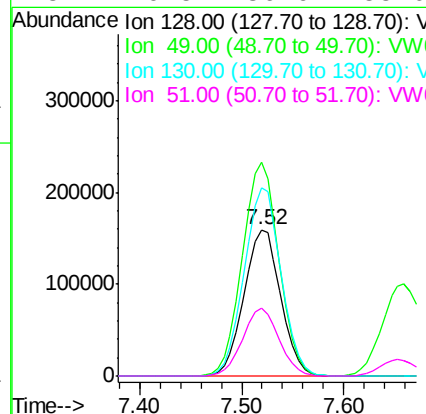
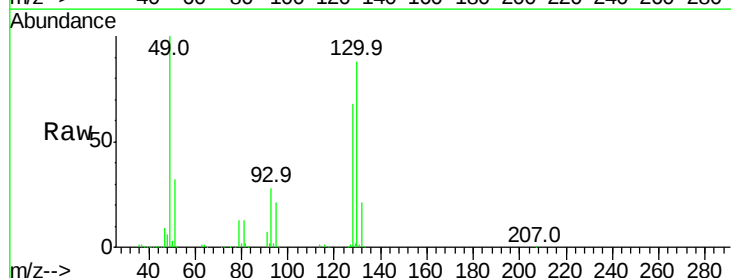
Tgt Ion: 96 Resp: 876017
Ion Ratio Lower Upper
96 100
61 120.0 84.8 157.4
98 64.0 45.8 85.2

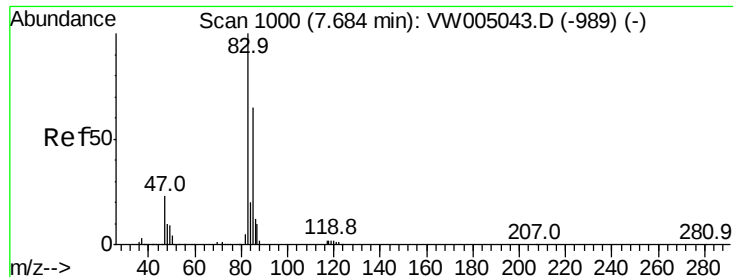


#23

Bromochloromethane
Concen: 86.904 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.01 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion: 128 Resp: 397536
Ion Ratio Lower Upper
128 100
49 146.0 100.0 185.8
130 128.8 94.5 175.5
51 46.5 36.6 55.0





#25

Chloroform

Concen: 92.013 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

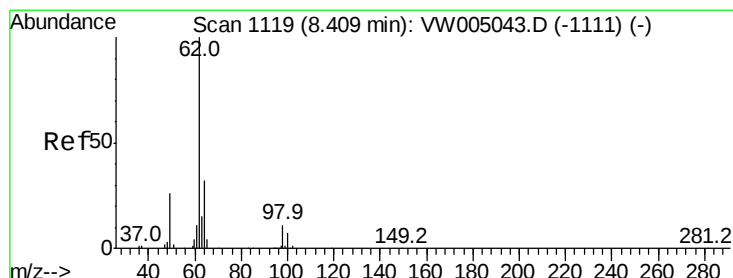
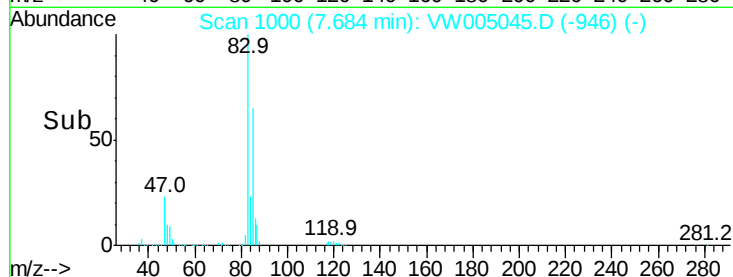
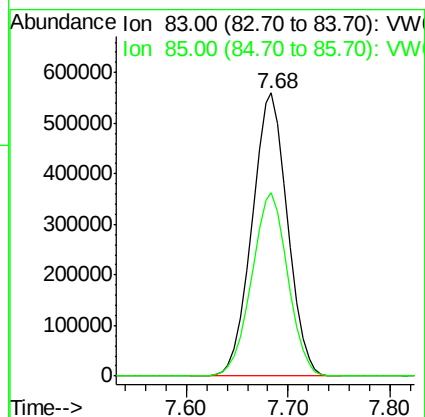
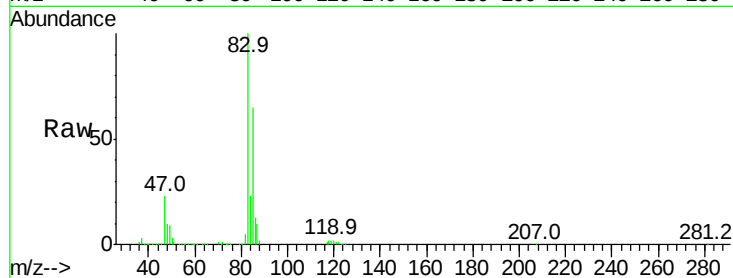
VSTD10091

Tgt Ion: 83 Resp: 1351451

Ion Ratio Lower Upper

83 100

85 65.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 91.939 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VW005045.D

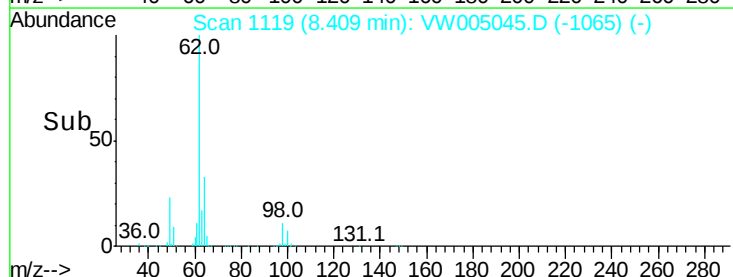
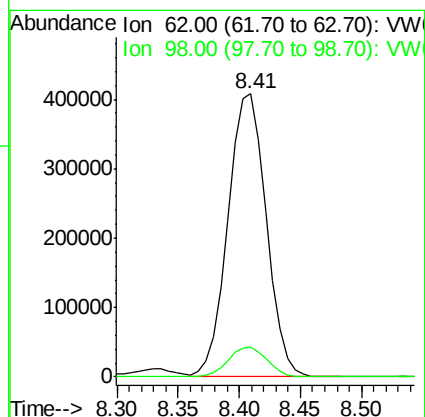
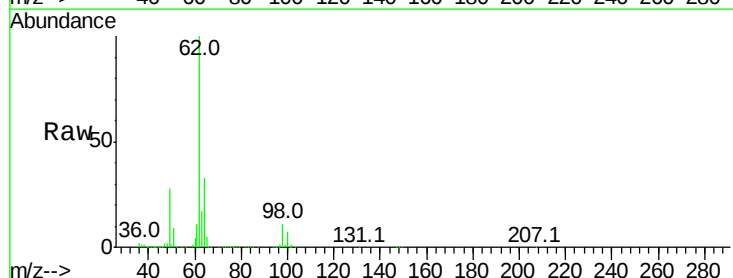
Acq: 31 Aug 2018 15:41

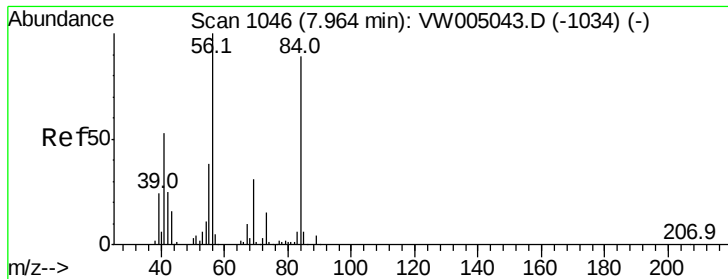
Tgt Ion: 62 Resp: 885099

Ion Ratio Lower Upper

62 100

98 10.6 8.4 12.6

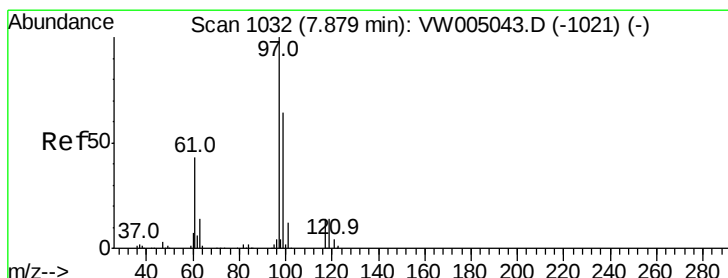
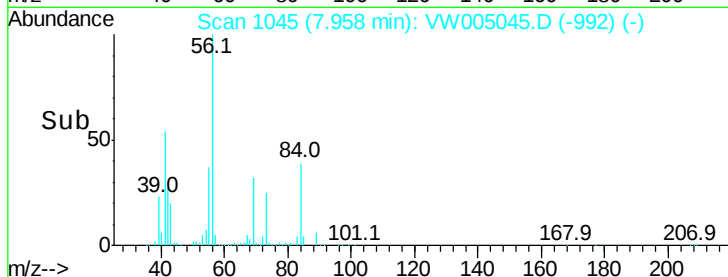
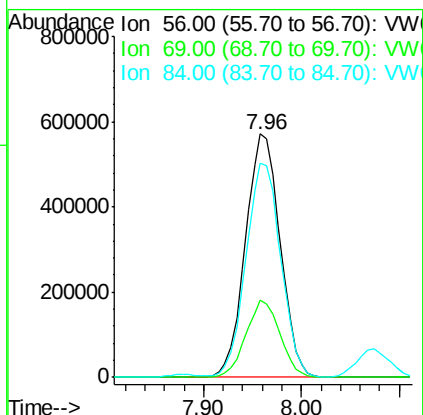
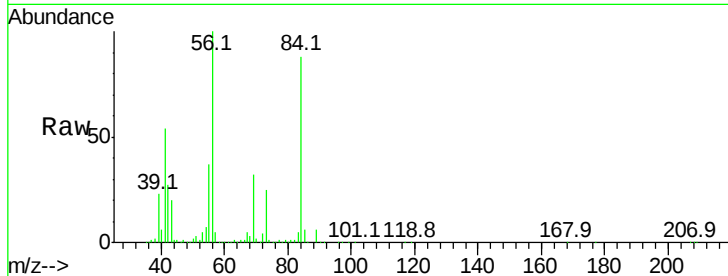




#30
Cyclohexane
Concen: 98.460 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

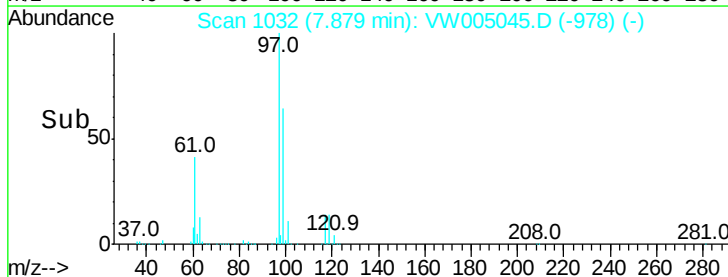
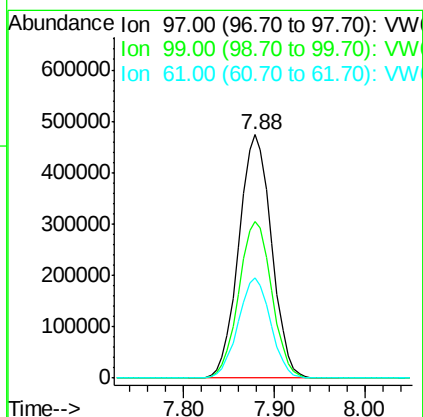
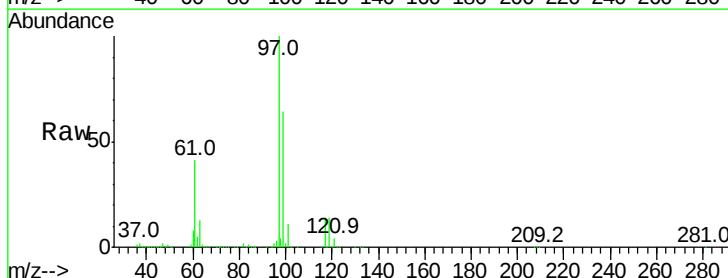
Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

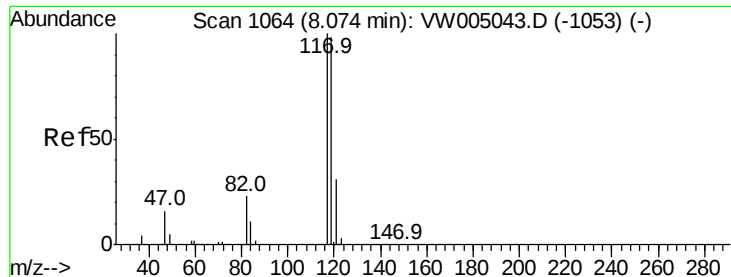
Tgt Ion: 56 Resp: 1406748
Ion Ratio Lower Upper
56 100
69 31.0 25.0 37.6
84 88.6 71.4 107.0



#31
1,1,1-Trichloroethane
Concen: 91.670 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion: 97 Resp: 1185060
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.2
61 40.8 33.4 50.0





#32

Carbon tetrachloride

Concen: 94.116 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

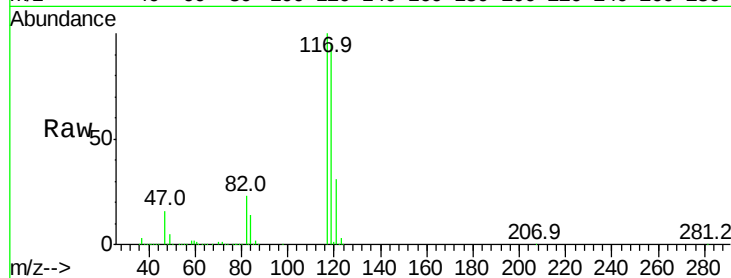
VSTD10091

Tgt Ion:117 Resp: 1088257

Ion Ratio Lower Upper

117 100

119 95.6 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

500000

400000

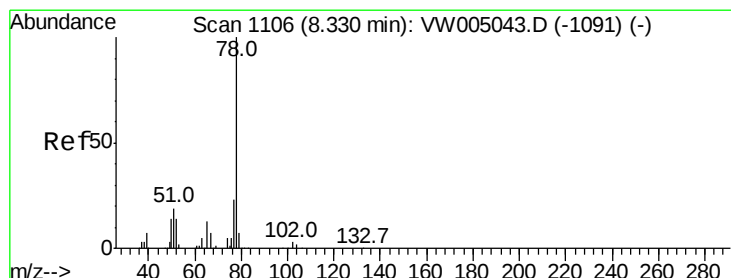
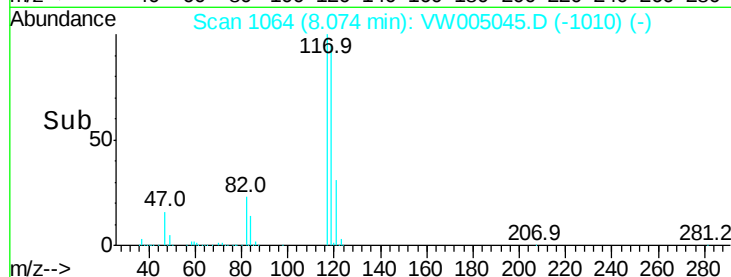
300000

200000

100000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 91.495 ug/L

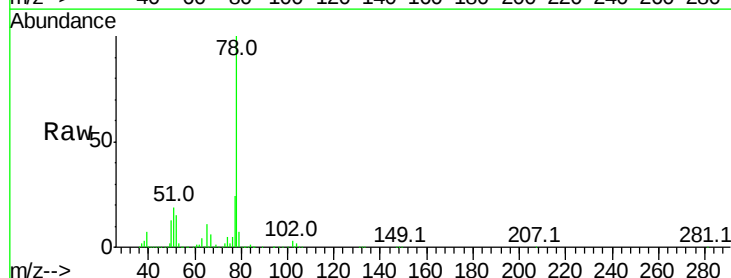
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Tgt Ion: 78 Resp: 3501422



Abundance Ion 78.00 (77.70 to 78.70): VW

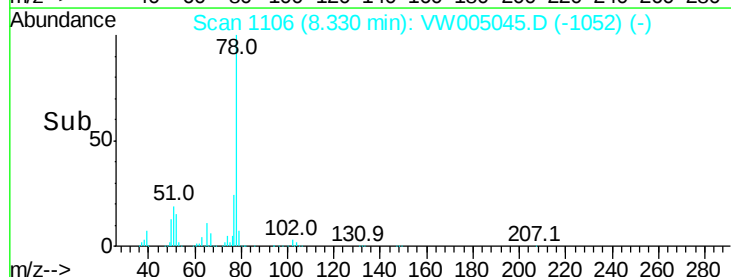
1500000

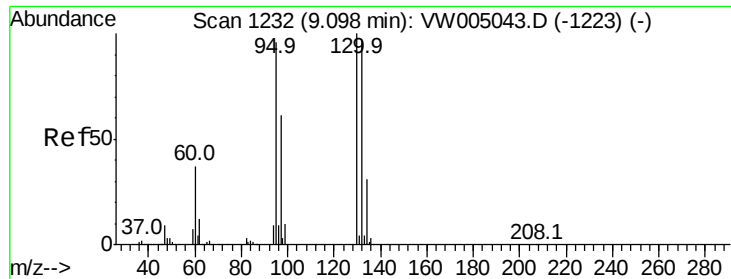
1000000

500000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 94.508 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10091

Tgt Ion: 95 Resp: 899336

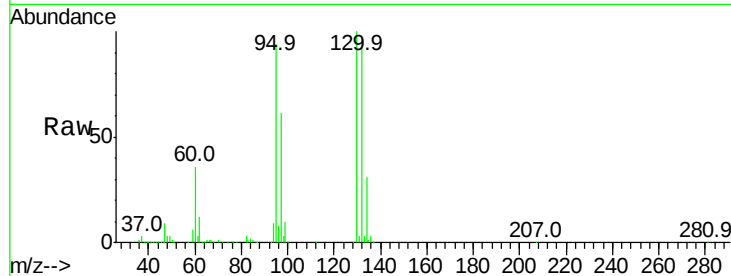
Ion Ratio Lower Upper

95 100

97 65.0 44.9 83.5

132 101.8 72.3 134.3

130 105.6 74.0 137.4

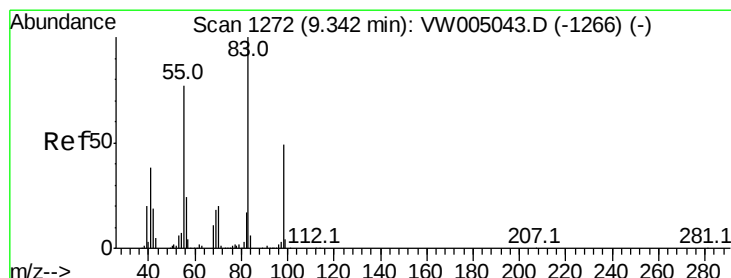
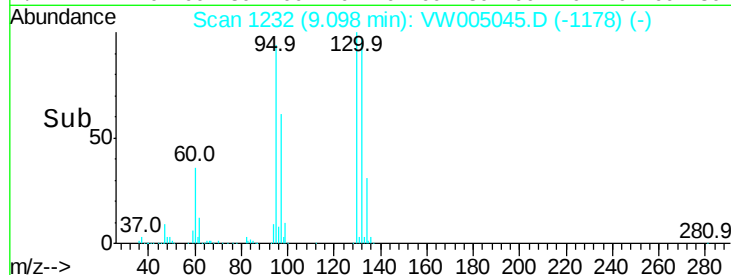
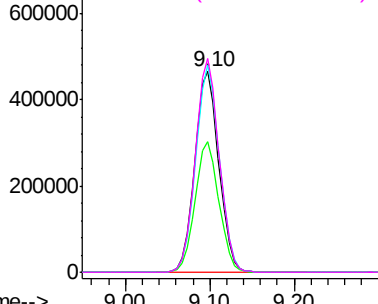


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 93.686 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

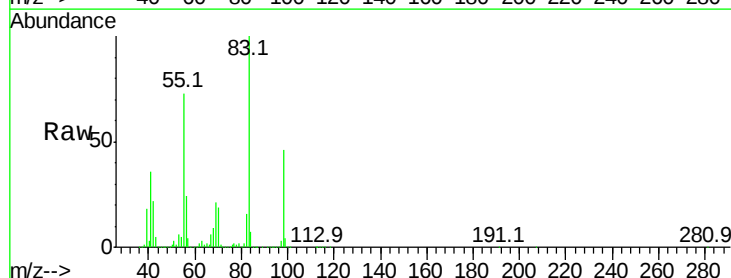
Tgt Ion: 83 Resp: 1648987

Ion Ratio Lower Upper

83 100

55 73.3 59.5 89.3

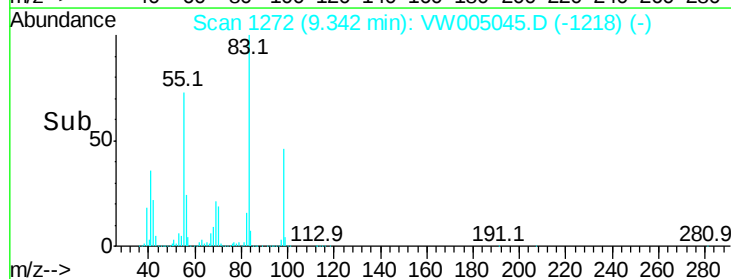
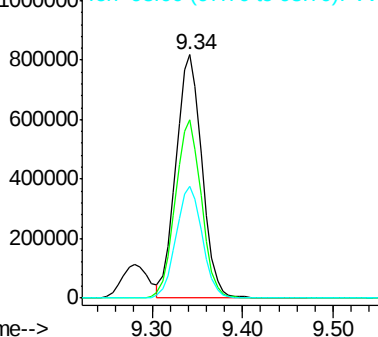
98 46.5 37.4 56.2

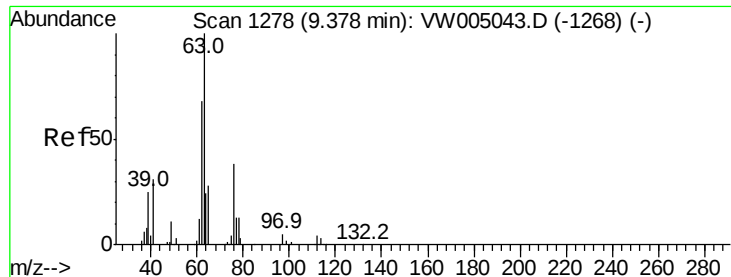


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 92.713 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

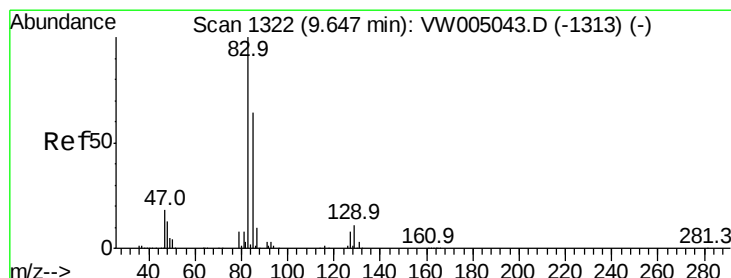
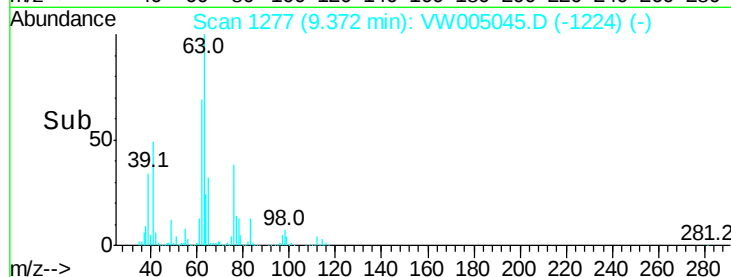
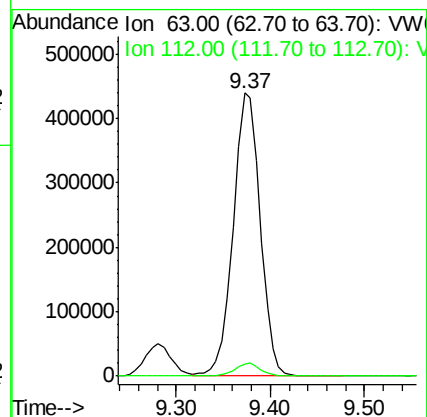
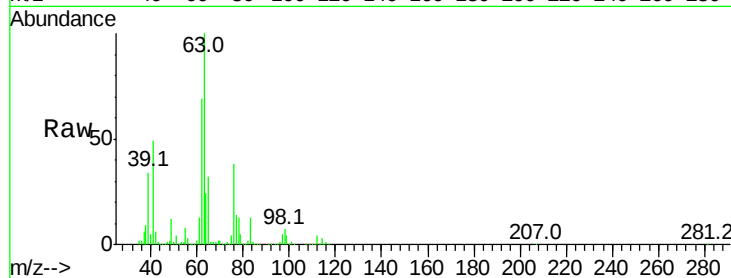
VSTD10091

Tgt Ion: 63 Resp: 872787

Ion Ratio Lower Upper

63 100

112 4.3 3.6 5.4



#41

Bromodichloromethane

Concen: 96.988 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

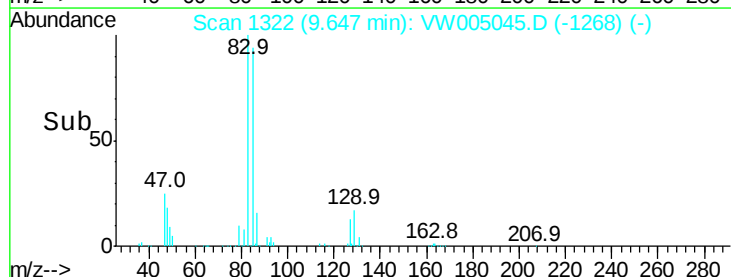
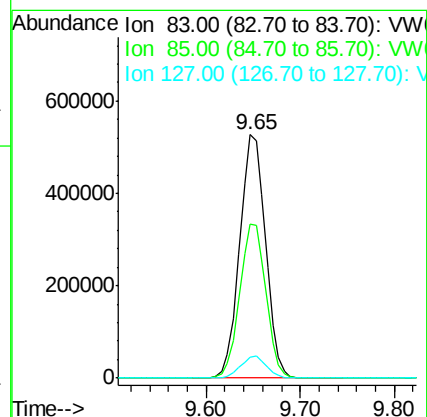
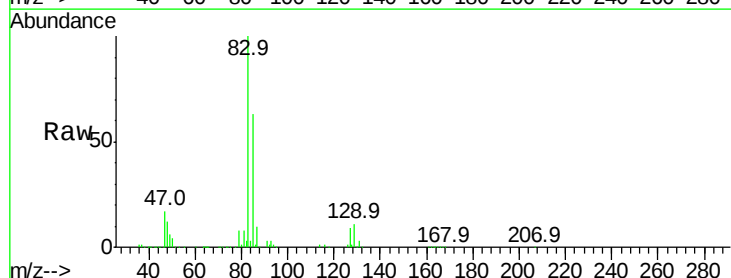
Tgt Ion: 83 Resp: 1006041

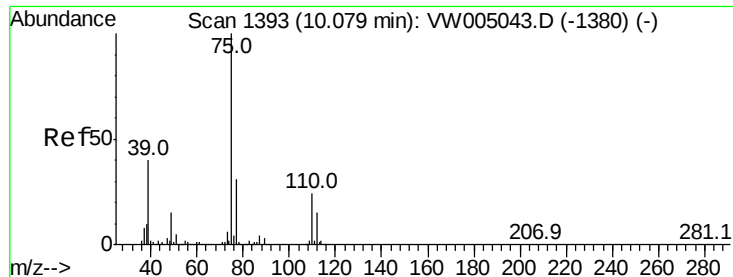
Ion Ratio Lower Upper

83 100

85 63.2 44.6 82.8

127 8.7 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 106.520 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

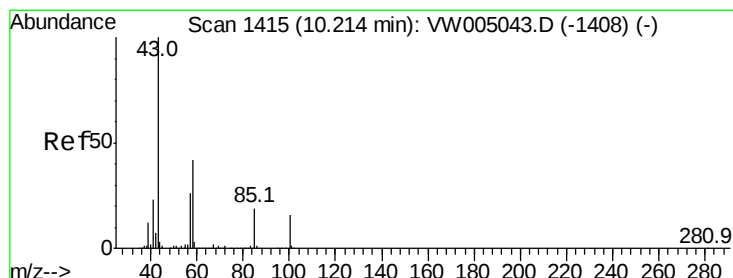
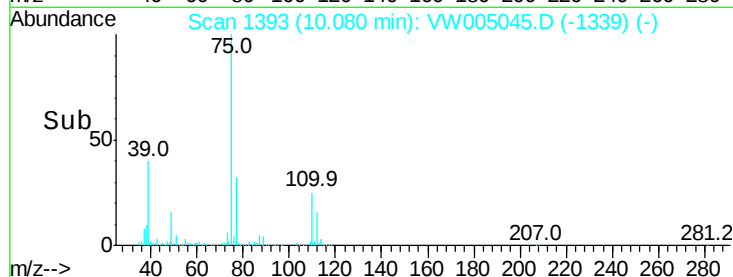
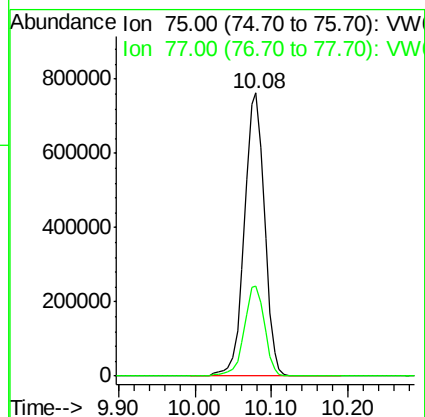
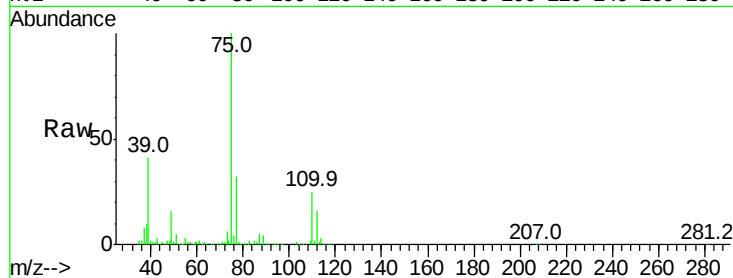
VSTD10091

Tgt Ion: 75 Resp: 1391958

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 205.667 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

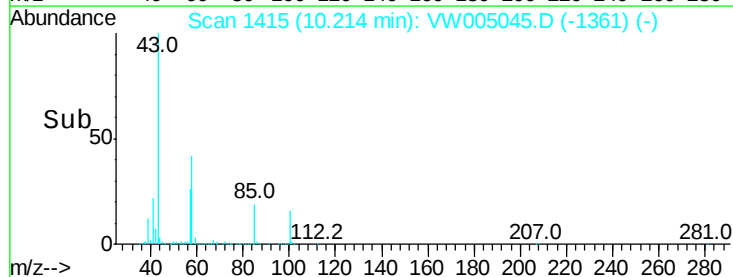
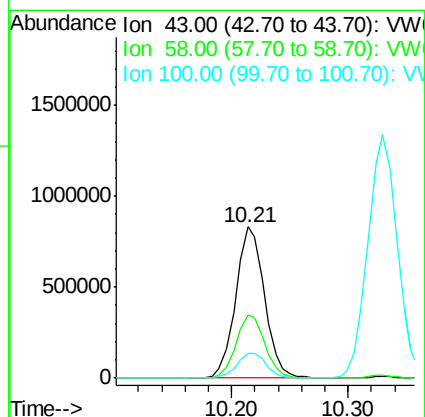
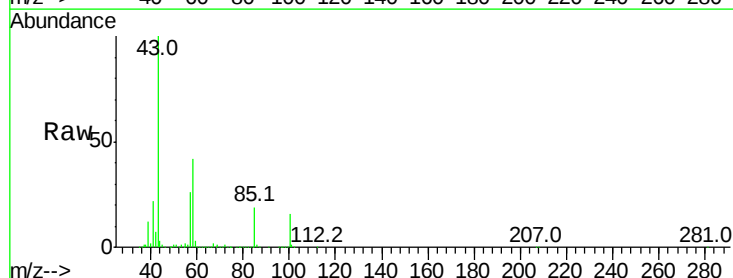
Tgt Ion: 43 Resp: 1429249

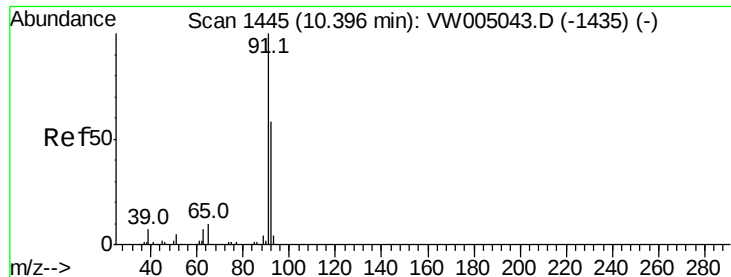
Ion Ratio Lower Upper

43 100

58 42.3 33.4 50.0

100 17.1 13.4 20.2





#44

Toluene

Concen: 89.214 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

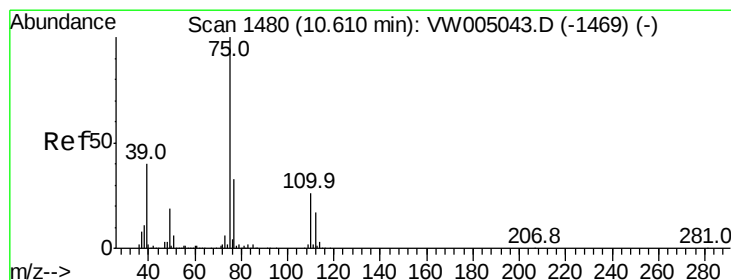
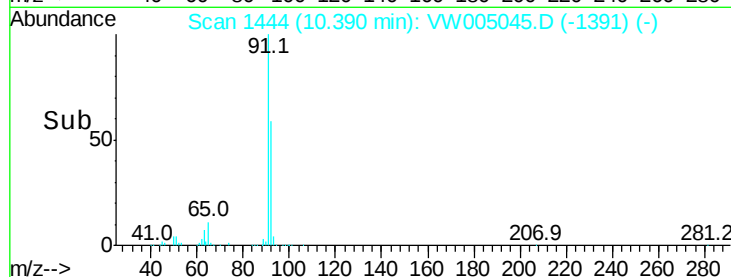
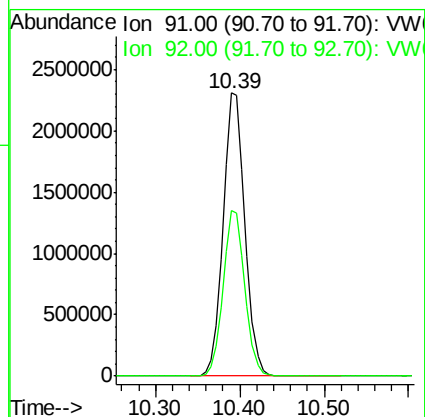
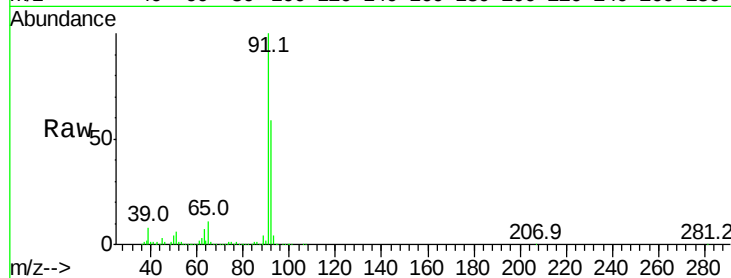
VSTD10091

Tgt Ion: 91 Resp: 4100089

Ion Ratio Lower Upper

91 100

92 58.6 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 103.851 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW005045.D

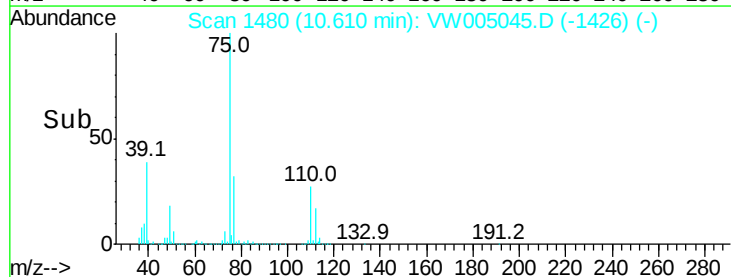
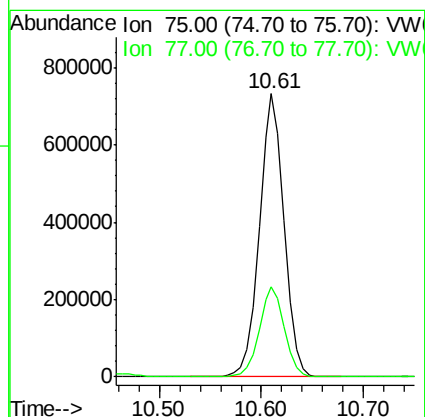
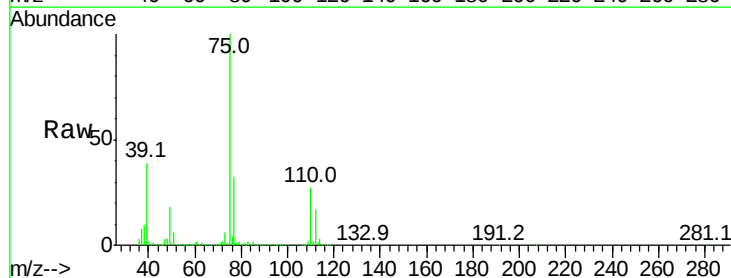
Acq: 31 Aug 2018 15:41

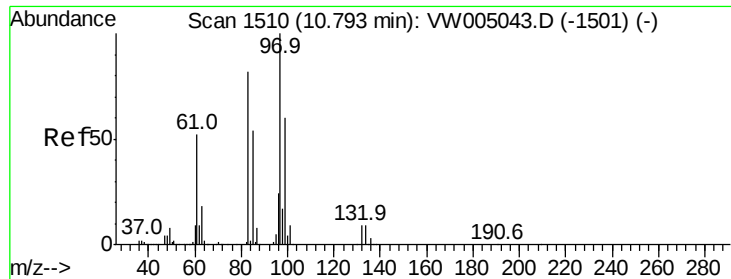
Tgt Ion: 75 Resp: 1230801

Ion Ratio Lower Upper

75 100

77 31.6 23.2 43.0

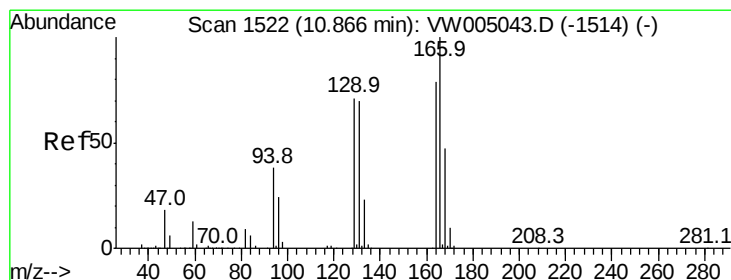
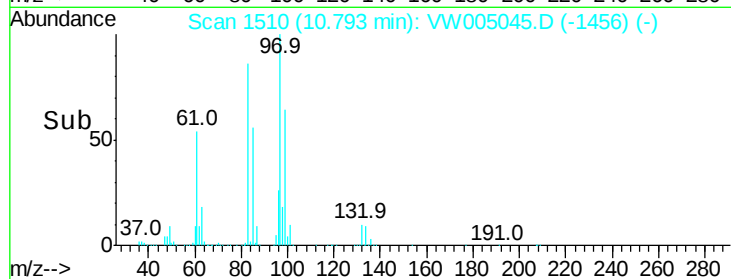
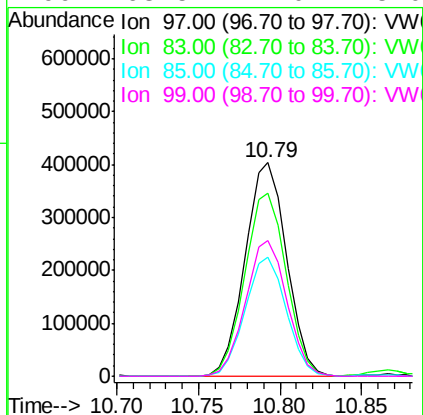
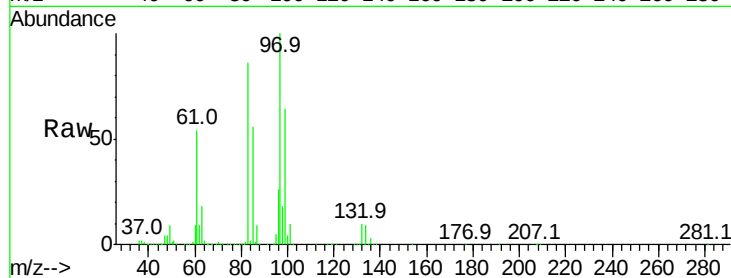




#46
 1,1,2-Trichloroethane
 Concen: 97.795 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW005045.D
 Acq: 31 Aug 2018 15:41

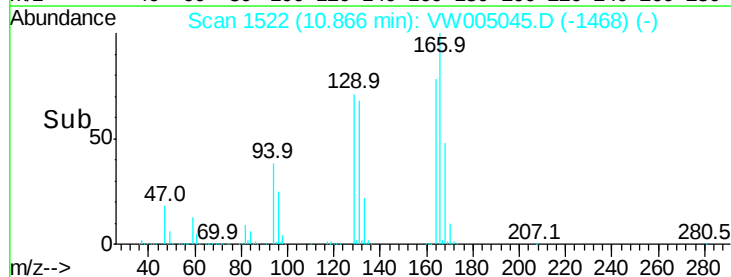
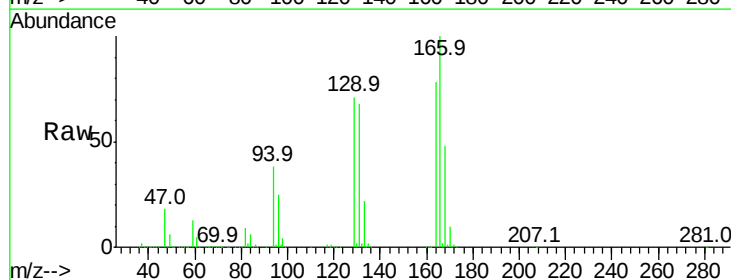
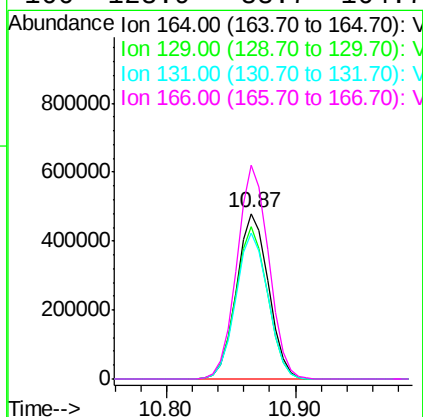
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10091

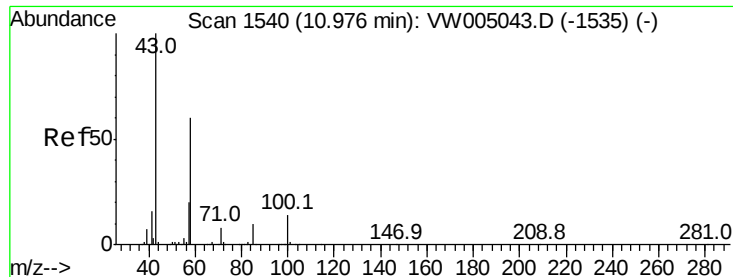
Tgt Ion:	97	Resp:	718587
Ion	Ratio	Lower	Upper
97	100		
83	86.0	57.3	106.5
85	55.8	37.8	70.2
99	63.5	42.0	78.0



#47
 Tetrachloroethene
 Concen: 88.635 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW005045.D
 Acq: 31 Aug 2018 15:41

Tgt Ion:	164	Resp:	825739
Ion	Ratio	Lower	Upper
164	100		
129	91.7	62.6	116.2
131	88.2	61.9	115.1
166	128.9	88.7	164.7



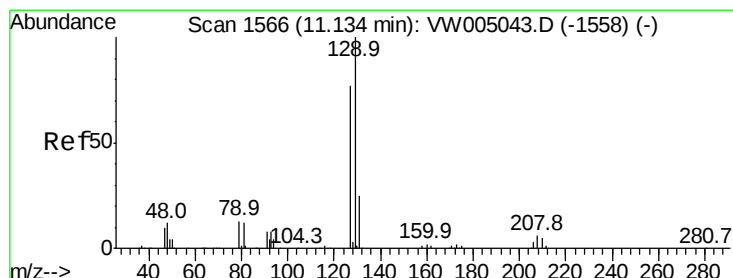
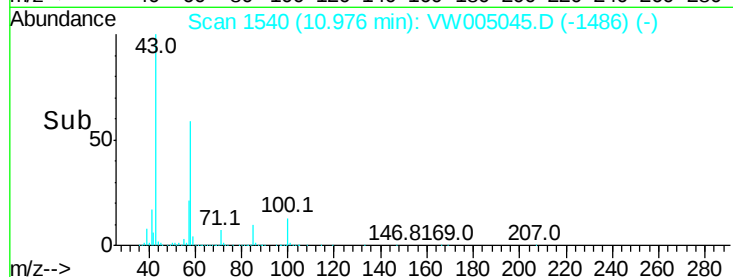
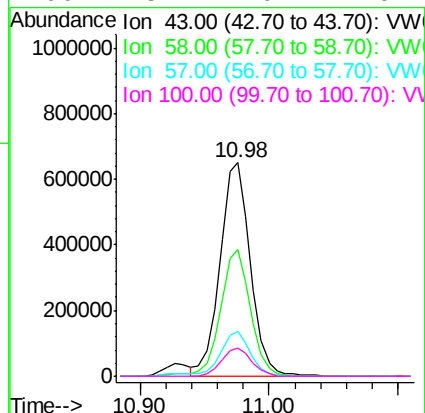
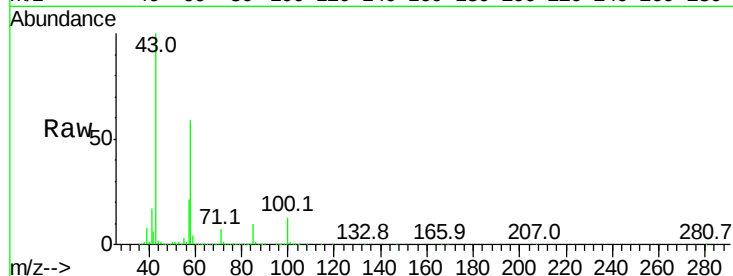


#49
2-Hexanone
Concen: 200.088 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

Tgt Ion: 43 Resp: 1074529

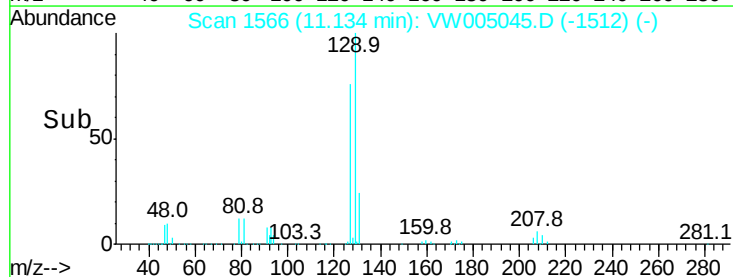
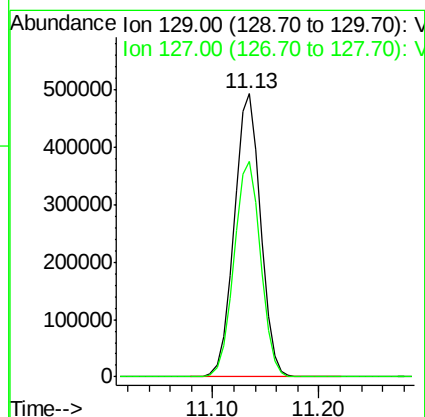
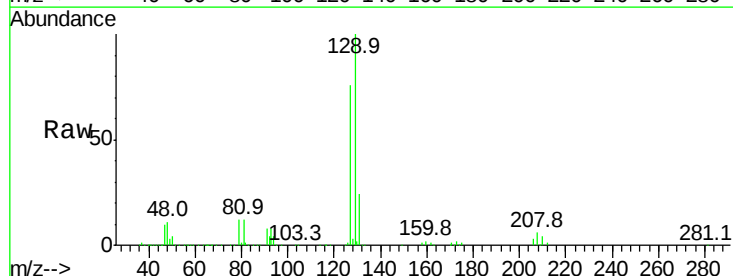
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.8	68.8
57	20.2	15.9	23.9
100	13.1	10.7	16.1

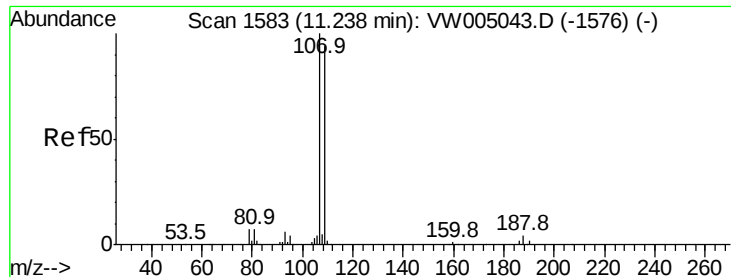


#50
Dibromochloromethane
Concen: 104.803 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion: 129 Resp: 854950

Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.1	100.5

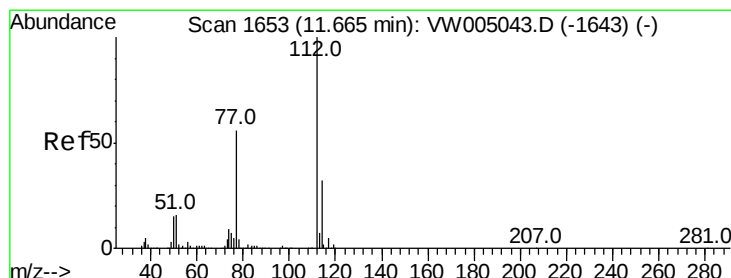
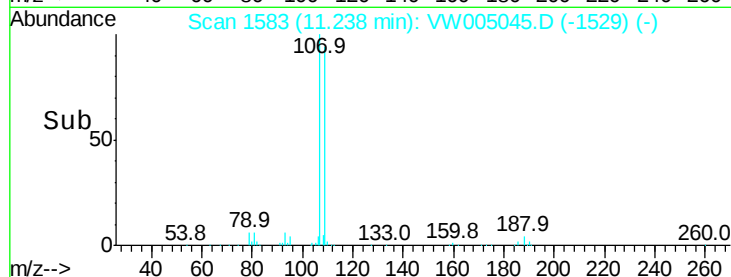
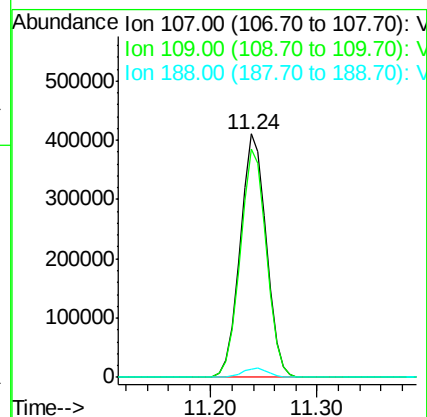
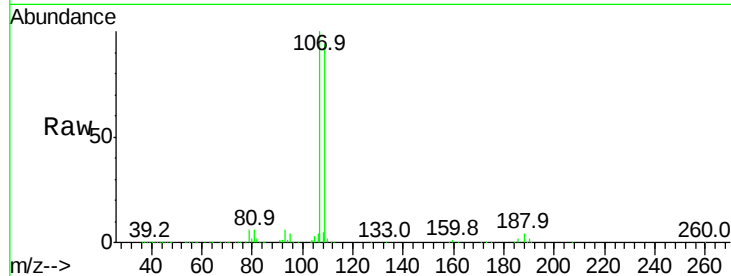




#51
1,2-Dibromoethane
Concen: 98.182 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

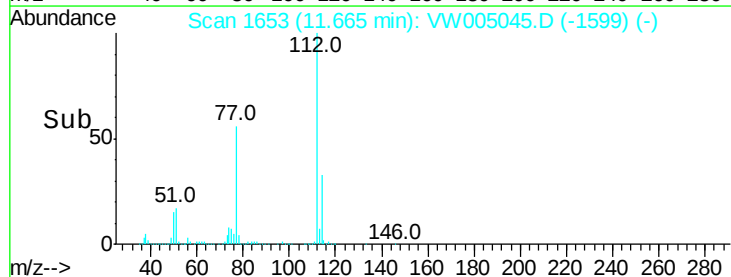
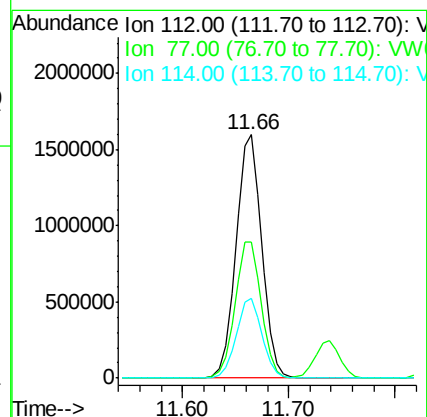
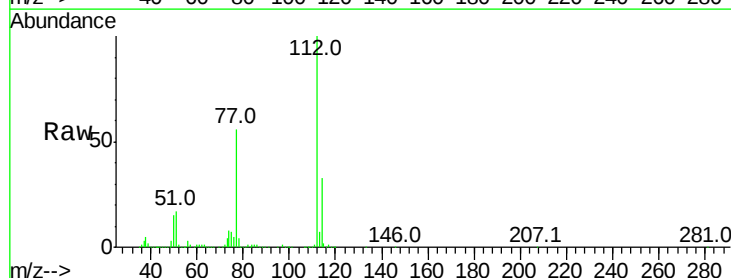
Instrument :
MSVOA_W
ClientSampleId :
VSTD10091

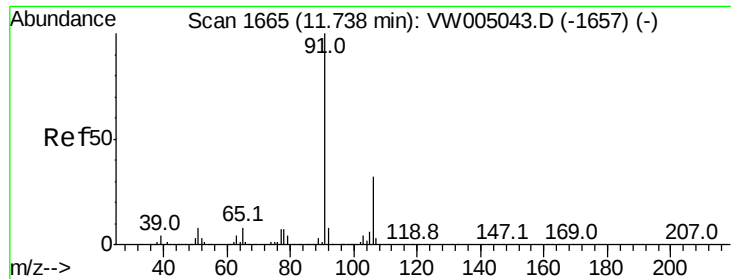
Tgt Ion:107 Resp: 708192
Ion Ratio Lower Upper
107 100
109 93.9 65.9 122.5
188 3.5 2.8 4.2



#52
Chlorobenzene
Concen: 88.511 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW005045.D
Acq: 31 Aug 2018 15:41

Tgt Ion:112 Resp: 2702209
Ion Ratio Lower Upper
112 100
77 56.0 44.5 66.7
114 33.0 22.3 41.3





#53

Ethylbenzene

Concen: 92.065 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

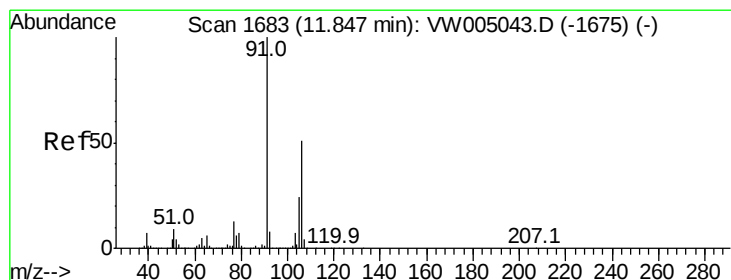
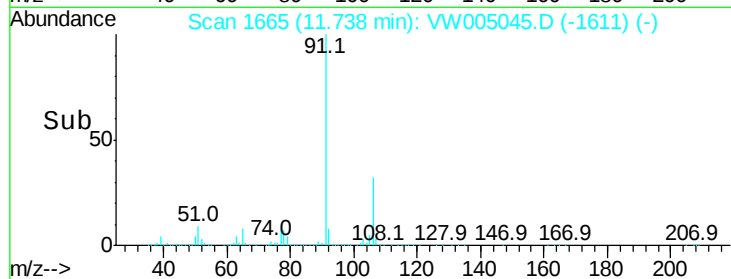
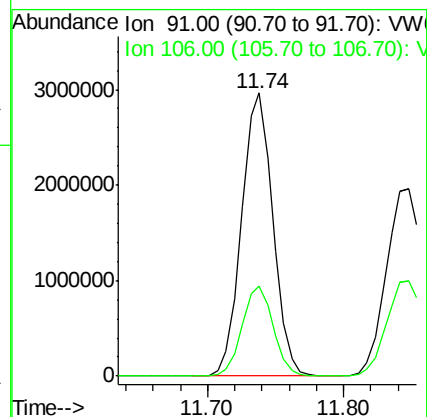
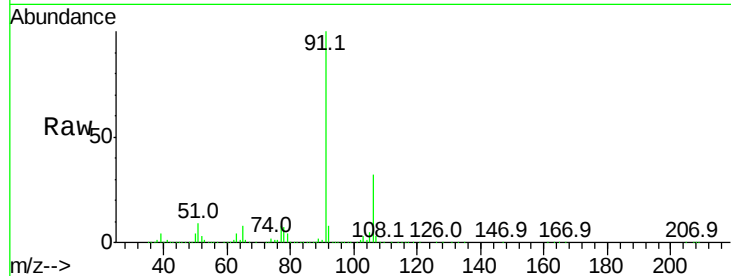
VSTD10091

Tgt Ion: 91 Resp: 4761079

Ion Ratio Lower Upper

91 100

106 32.0 22.5 41.7



#54

m,p-Xylene

Concen: 94.544 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW005045.D

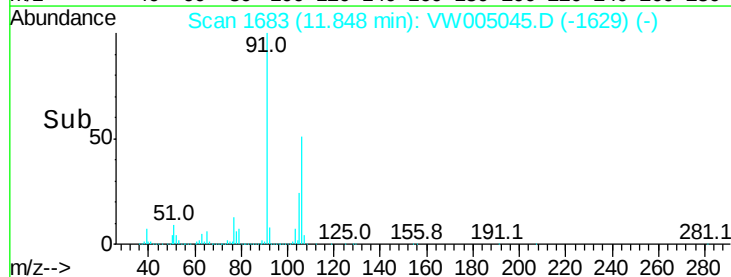
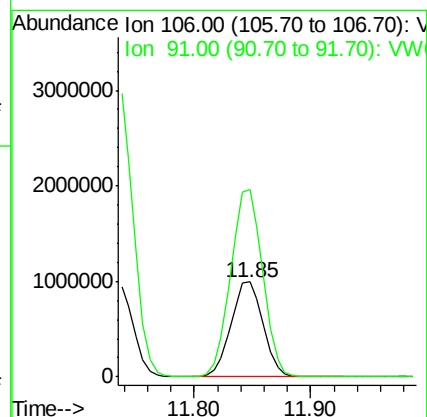
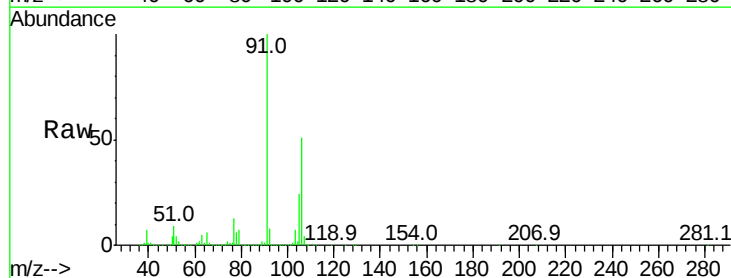
Acq: 31 Aug 2018 15:41

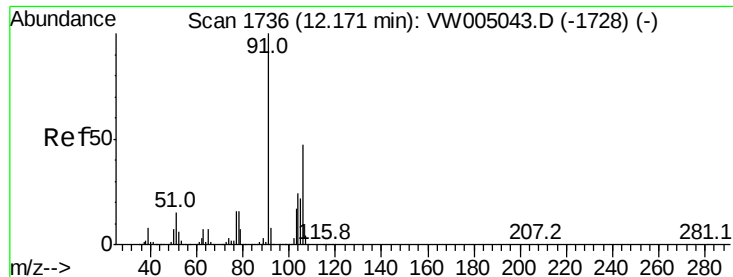
Tgt Ion: 106 Resp: 1896775

Ion Ratio Lower Upper

106 100

91 197.1 136.8 254.0





#55

o-xylene

Concen: 96.633 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

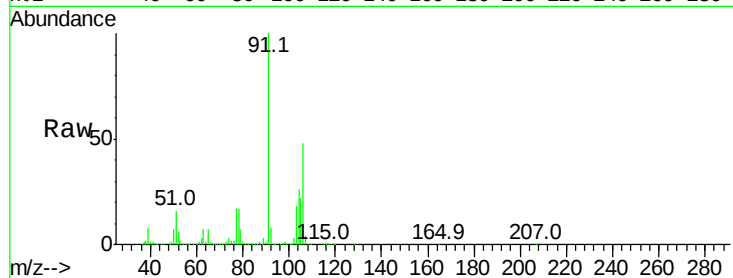
VSTD10091

Tgt Ion:106 Resp: 1811390

Ion Ratio Lower Upper

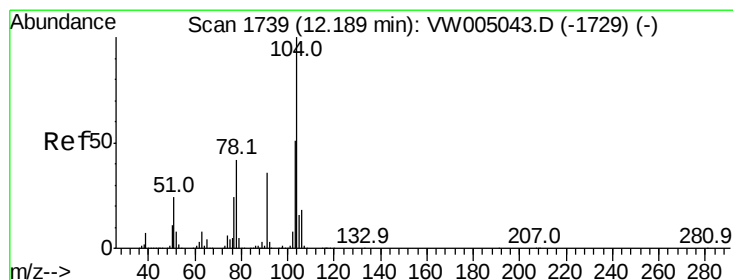
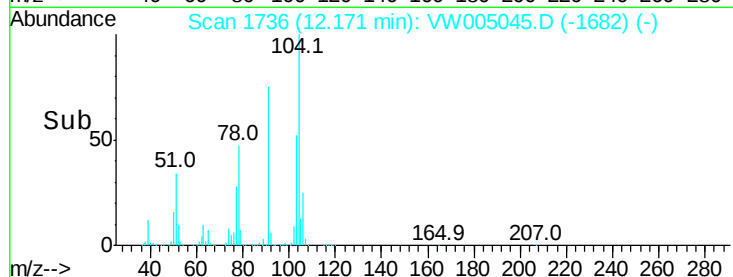
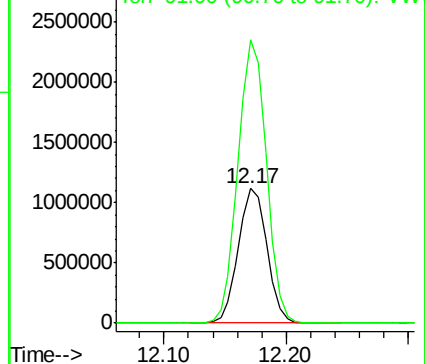
106 100

91 210.5 147.8 274.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 98.298 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW005045.D

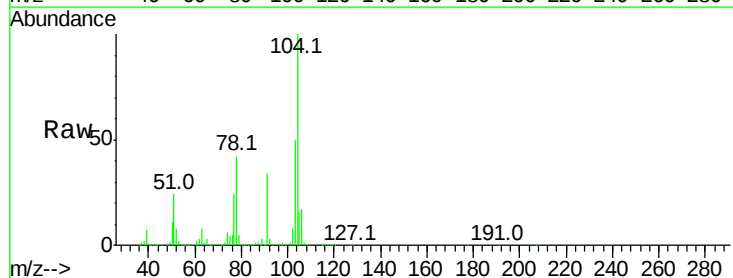
Acq: 31 Aug 2018 15:41

Tgt Ion:104 Resp: 3165851

Ion Ratio Lower Upper

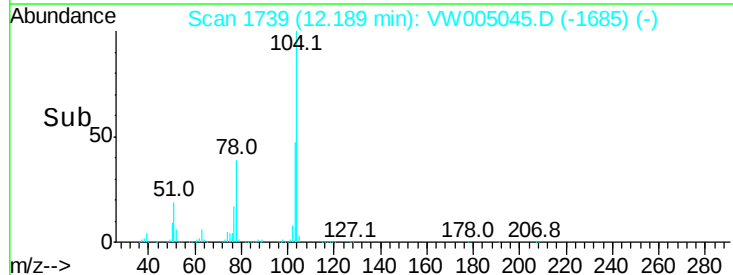
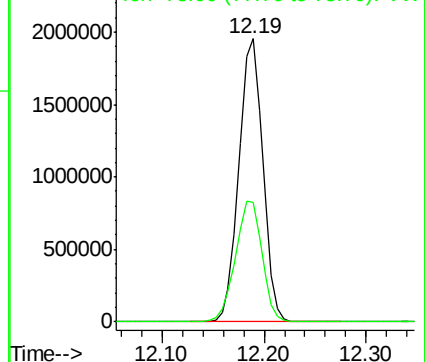
104 100

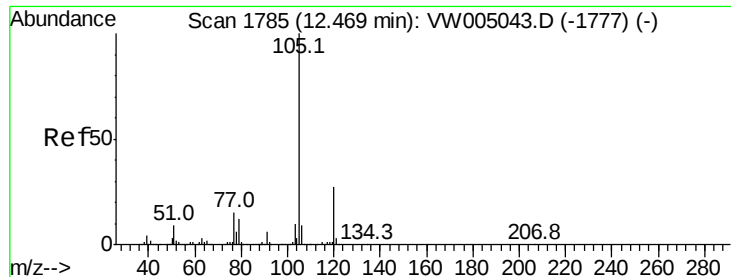
78 42.0 29.7 55.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 96.655 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10091

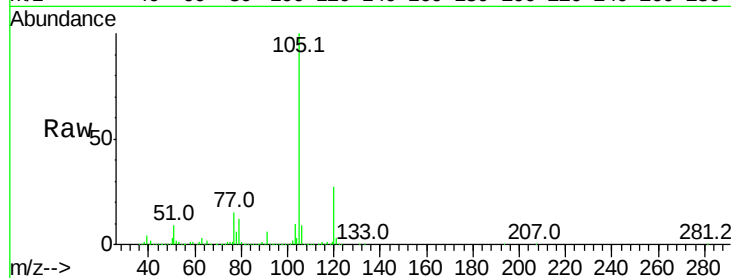
Tgt Ion:105 Resp: 4839474

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

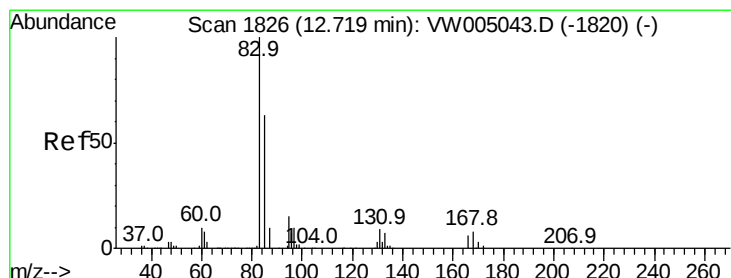
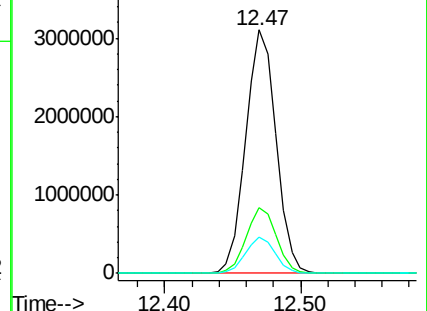
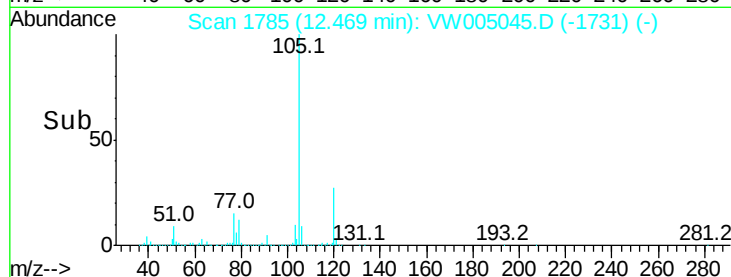
77 14.7 11.8 17.8



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: 93.128 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

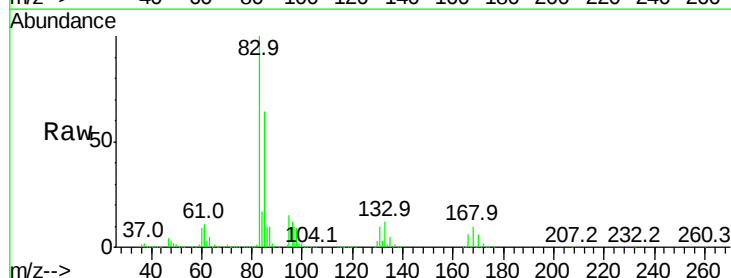
Tgt Ion: 83 Resp: 975274

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.5

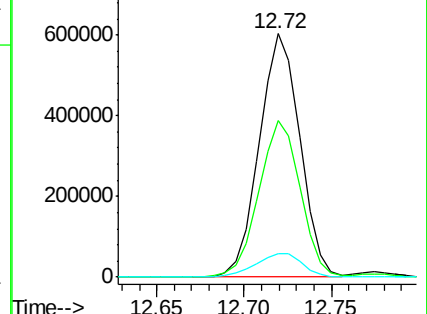
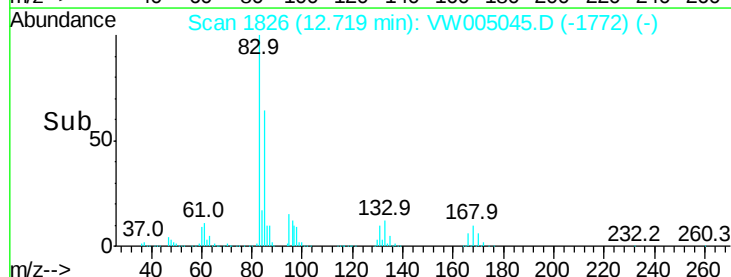
131 9.9 7.9 11.9

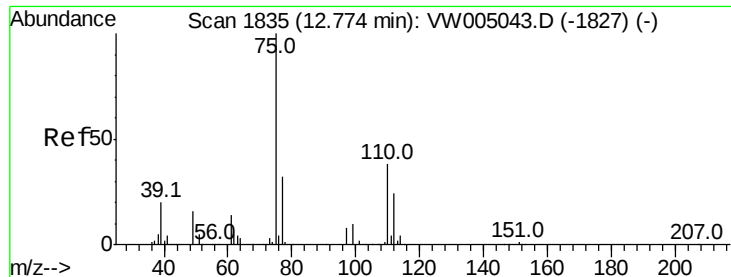


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 91.225 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

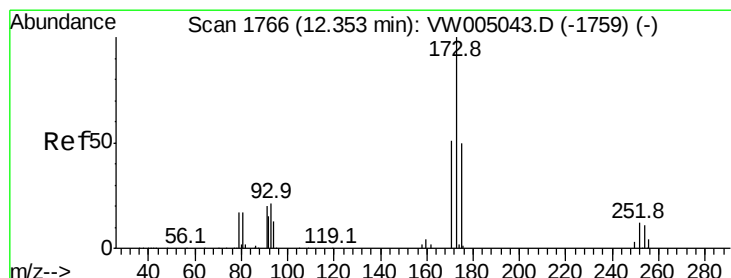
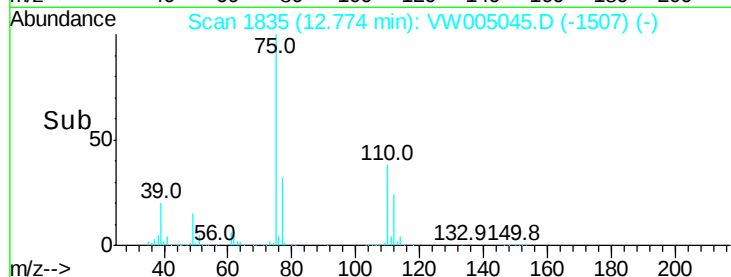
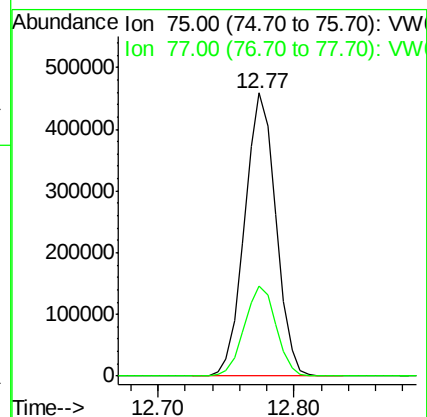
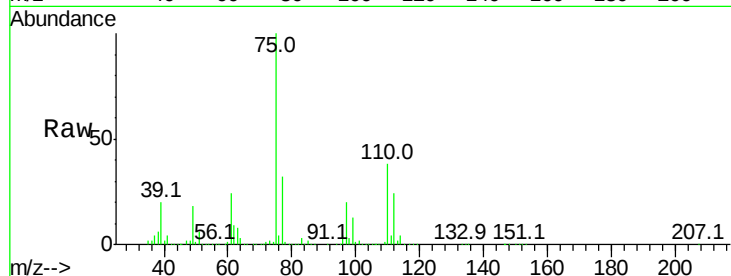
VSTD10091

Tgt Ion: 75 Resp: 736153

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#62

Bromoform

Concen: 96.369 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

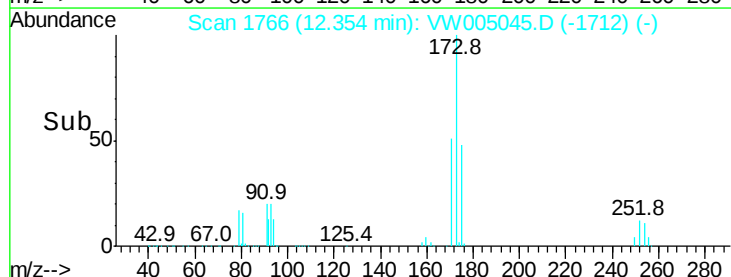
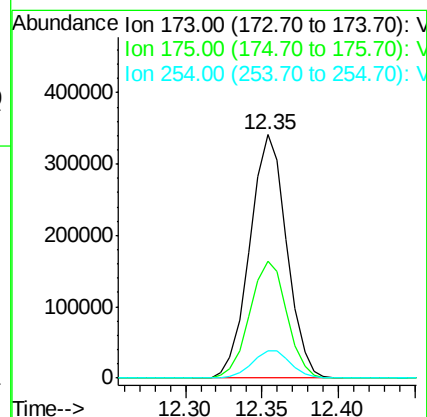
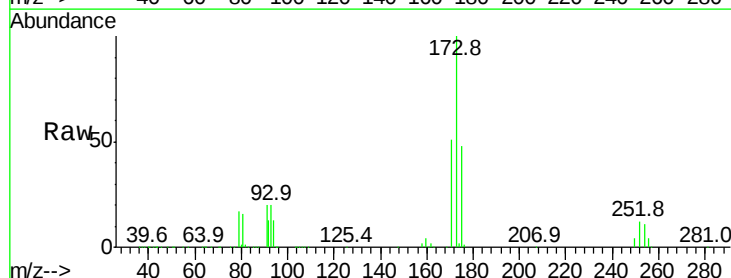
Tgt Ion: 173 Resp: 572543

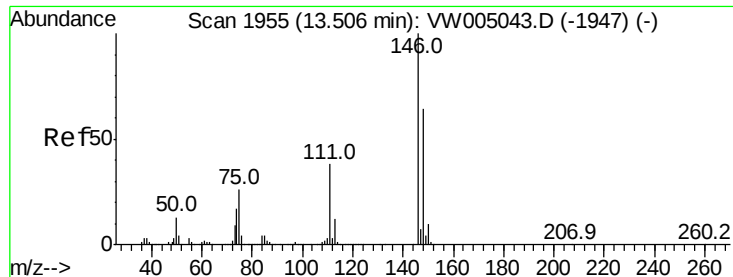
Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

254 11.6 9.4 14.0

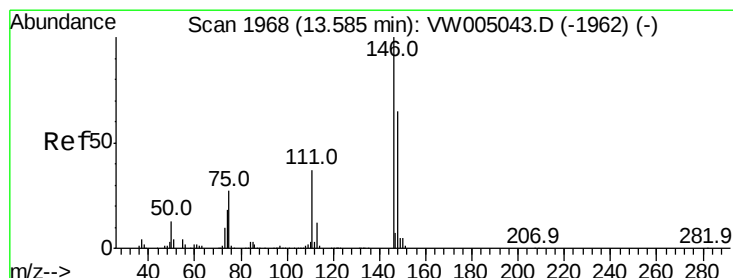
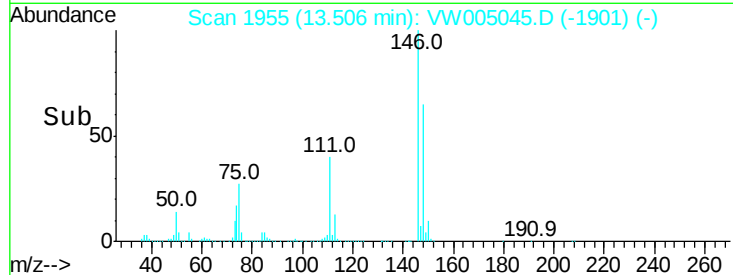
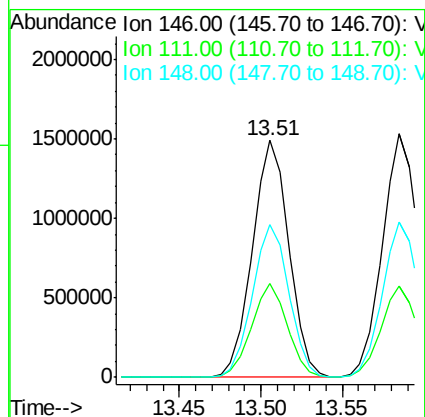
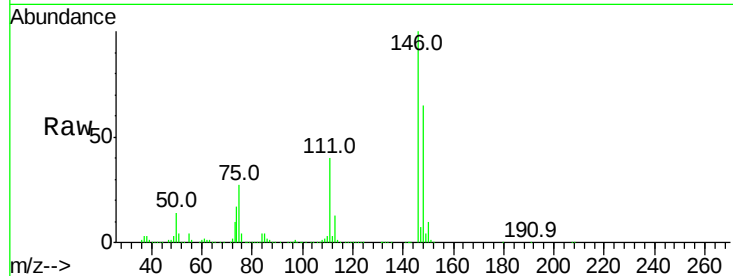




#63
 1,3-Dichlorobenzene
 Concen: 89.880 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW005045.D
 Acq: 31 Aug 2018 15:41

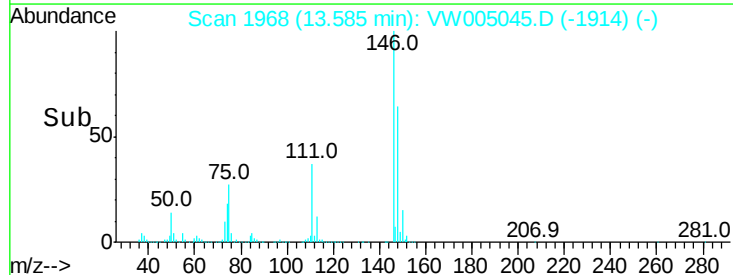
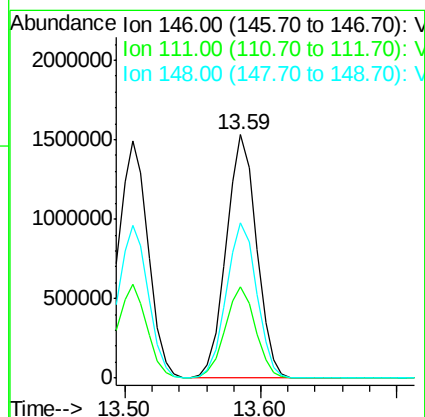
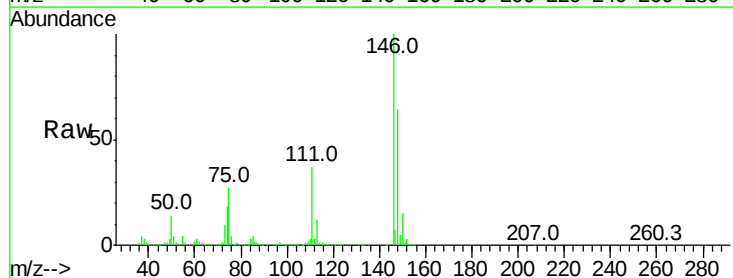
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10091

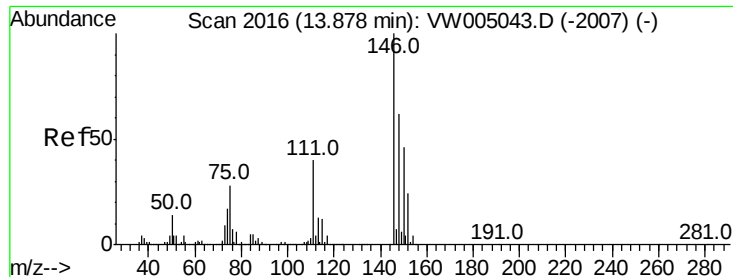
Tgt Ion:146 Resp: 2320296
 Ion Ratio Lower Upper
 146 100
 111 39.5 26.8 49.8
 148 64.7 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 87.751 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW005045.D
 Acq: 31 Aug 2018 15:41

Tgt Ion:146 Resp: 2371673
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.0 48.4
 148 64.0 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 88.772 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10091

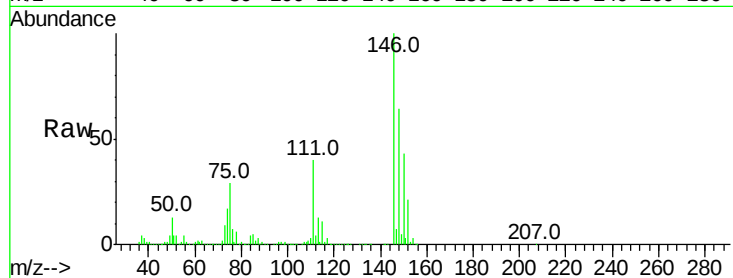
Tgt Ion:146 Resp: 2195867

Ion Ratio Lower Upper

146 100

111 40.0 32.2 48.2

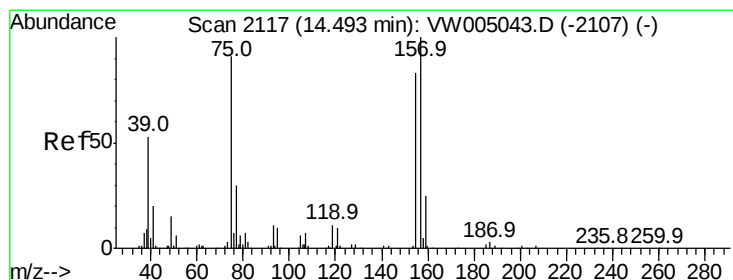
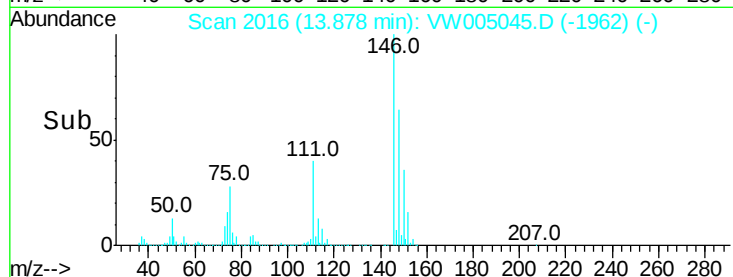
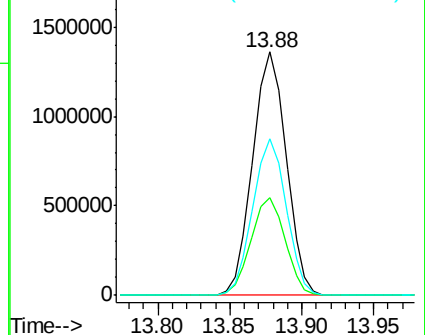
148 64.1 49.9 74.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 86.579 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

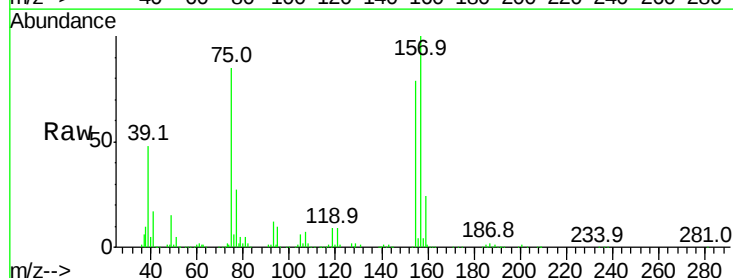
Tgt Ion: 75 Resp: 181612

Ion Ratio Lower Upper

75 100

157 117.2 87.6 131.4

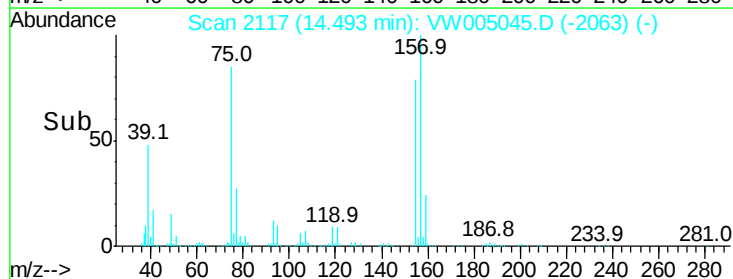
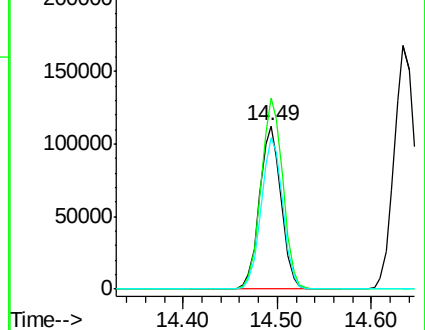
155 92.3 72.4 108.6

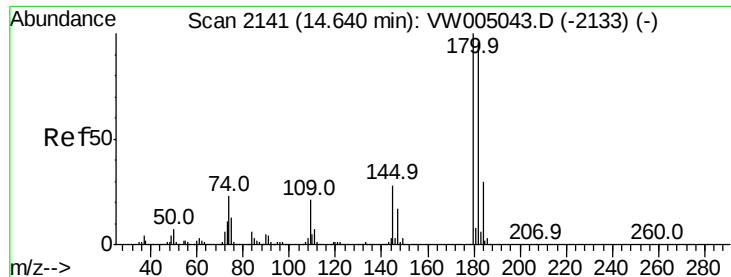


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

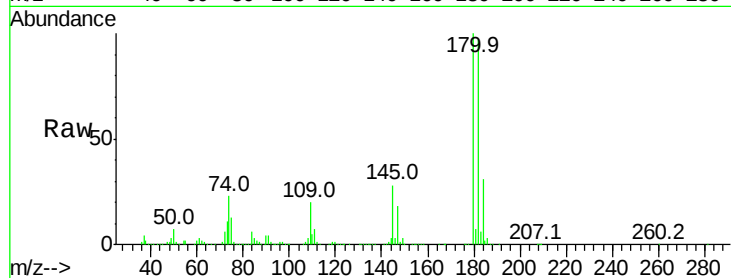




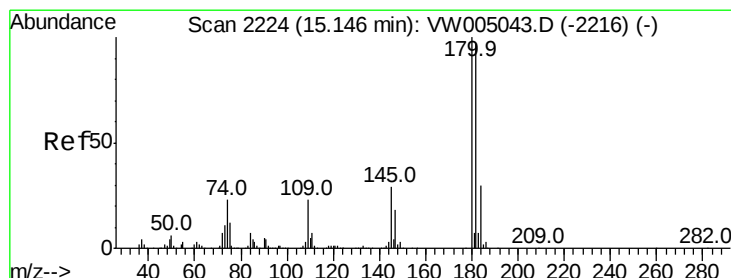
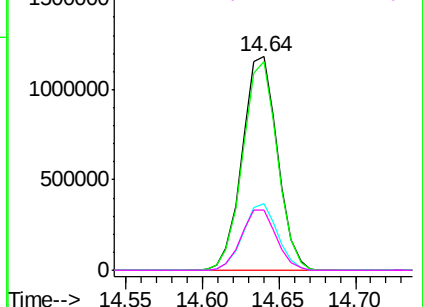
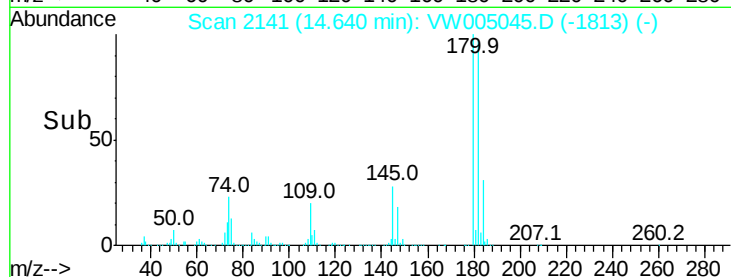
#67
 1,3,5-Trichlorobenzene
 Concen: 91.630 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW005045.D
 Acq: 31 Aug 2018 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10091

Tgt Ion:180 Resp: 1892783
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 115.0
 184 30.5 24.2 36.4
 145 28.2 22.6 33.8

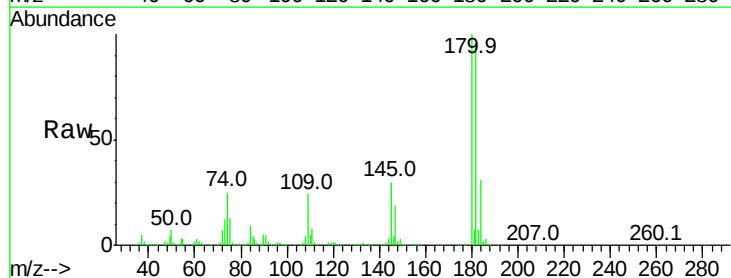


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

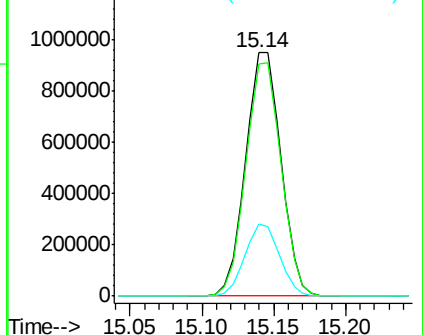
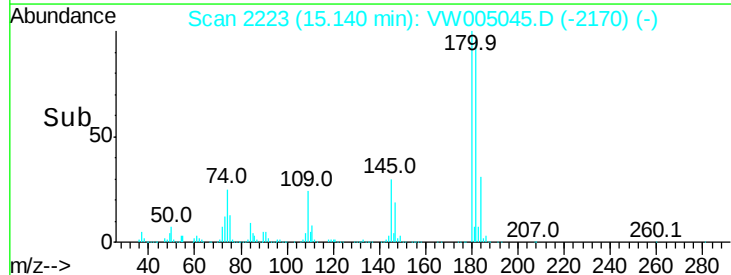


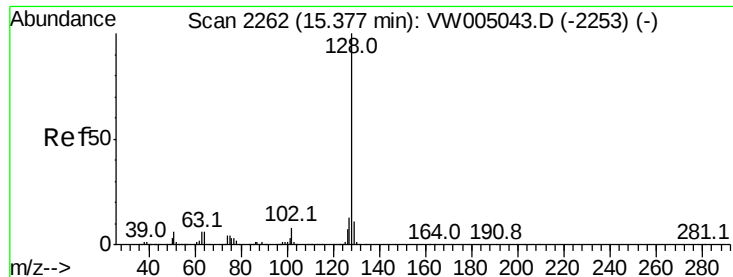
#68
 1,2,4-trichlorobenzene
 Concen: 96.497 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW005045.D
 Acq: 31 Aug 2018 15:41

Tgt Ion:180 Resp: 1609416
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.9 115.3
 145 29.0 23.4 35.0



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: 103.783 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD10091

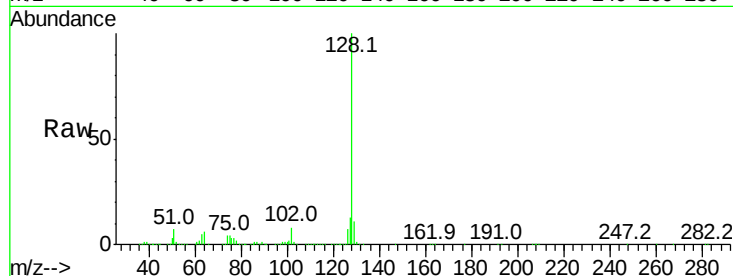
Tgt Ion:128 Resp: 3518429

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

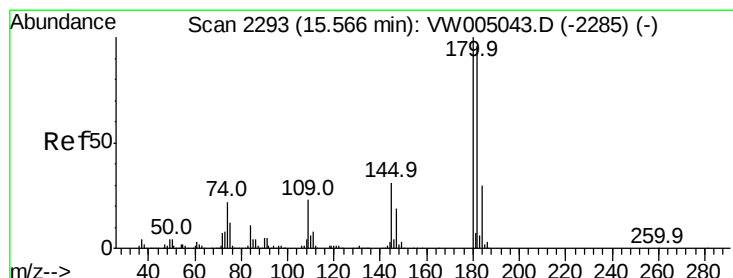
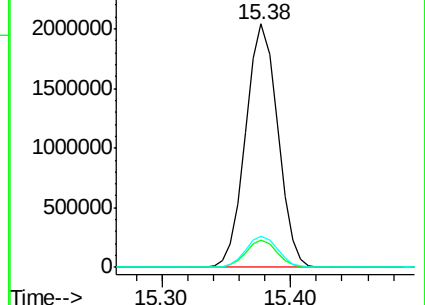
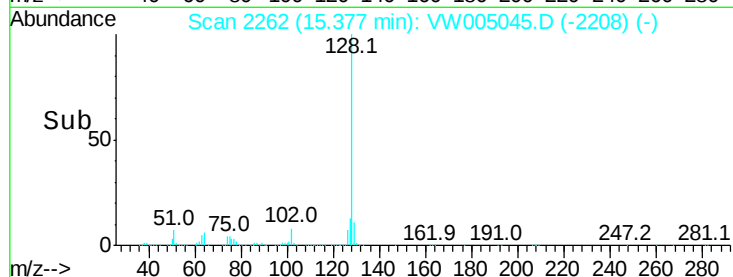
127 13.0 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 93.122 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW005045.D

Acq: 31 Aug 2018 15:41

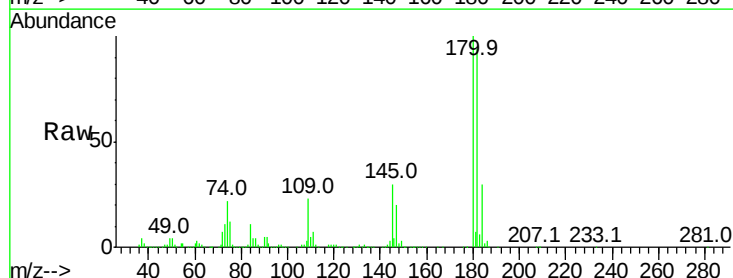
Tgt Ion:180 Resp: 1462878

Ion Ratio Lower Upper

180 100

182 95.0 77.2 115.8

145 30.5 24.6 36.8



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

