

Data File : VW004675.D
Acq On : 14 Aug 2018 18:41
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

Quant Time: Aug 15 08:52:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 12:36:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	939190	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	911430	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	472839	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	342972	22.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.88%
7) Chloroethane-d5	2.89	69	272760	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
10) 1,1-Dichloroethene-d2	4.01	63	651528	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.44%
20) 2-Butanone-d5	7.09	46	221281	54.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.56%
24) Chloroform-d	7.65	84	613144	24.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	8.31	65	338205	25.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.44%
29) Benzene-d6	8.27	84	1266336	24.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.08%
33) 1,2-Dichloropropane-d6	9.28	67	388350	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	10.33	98	1145567	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.92%
38) trans-1,3-Dichloropropene-	10.58	79	158951	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.64%
39) 2-Hexanone-d5	10.93	63	183649	57.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	390547	26.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	432319	24.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	278671	24.800 ug/L	96
3) Chloromethane	2.22	50	306579	23.002 ug/L	98
5) Vinyl chloride	2.37	62	463379	23.955 ug/L	100
6) Bromomethane	2.78	94	260623	23.507 ug/L	100
8) Chloroethane	2.93	64	259118	23.881 ug/L	99
9) Trichlorofluoromethane	3.26	101	233474	23.955 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	361250	25.220 ug/L	98
12) 1,1-Dichloroethene	4.03	96	342773	24.374 ug/L	94
13) Acetone	4.13	43	213226	57.530 ug/L	97
14) Carbon disulfide	4.38	76	1177945	24.025 ug/L	100
15) Methyl Acetate	4.67	43	218409	27.268 ug/L	99
16) Methylene chloride	4.92	84	398117	21.219 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	462046	25.158 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	354463	24.547 ug/L	96
19) 1,1-Dichloroethane	6.22	63	637666	24.959 ug/L	99
21) 2-Butanone	7.18	43	298872	57.656 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	378792	24.864 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	178045	25.054	ug/L	98
25) Chloroform	7.68	83	635370	24.991	ug/L	99
27) 1,2-Dichloroethane	8.40	62	422602	25.710	ug/L	99
30) Cyclohexane	7.96	56	611372	25.667	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	506979	24.864	ug/L	100
32) Carbon tetrachloride	8.07	117	485882	25.046	ug/L	100
34) Benzene	8.33	78	1467465	25.294	ug/L	100
35) Trichloroethene	9.09	95	358791	24.575	ug/L	99
36) Methylcyclohexane	9.34	83	700910	25.729	ug/L	99
40) 1,2-Dichloropropane	9.37	63	373266	25.356	ug/L	99
41) Bromodichloromethane	9.65	83	434672	25.272	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	520892	25.423	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	563961	57.857	ug/L	100
44) Toluene	10.39	91	1520682	25.885	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	468623	25.940	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	283571	25.486	ug/L	99
47) Tetrachloroethene	10.87	164	300038	24.770	ug/L	99
49) 2-Hexanone	10.98	43	441959	62.255	ug/L	100
50) Dibromochloromethane	11.13	129	318370	25.438	ug/L	99
51) 1,2-Dibromoethane	11.24	107	277351	25.857	ug/L	97
52) Chlorobenzene	11.66	112	971327	24.763	ug/L	100
53) Ethylbenzene	11.74	91	1700265	25.982	ug/L	99
54) m,p-Xylene	11.85	106	653469	26.277	ug/L	98
55) o-xylene	12.17	106	616005	26.208	ug/L	99
56) Styrene	12.19	104	1093465	27.122	ug/L	100
57) Isopropylbenzene	12.47	105	1687767	26.514	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	411566	26.823	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	306747	27.155	ug/L	99
62) Bromoform	12.35	173	209493	25.777	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	752427	24.810	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	795331	24.551	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	749603	25.060	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	67956	26.959	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	617637	25.316	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	503749	25.488	ug/L	99
69) Naphthalene	15.38	128	1132795	27.847	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	497779	26.387	ug/L	99

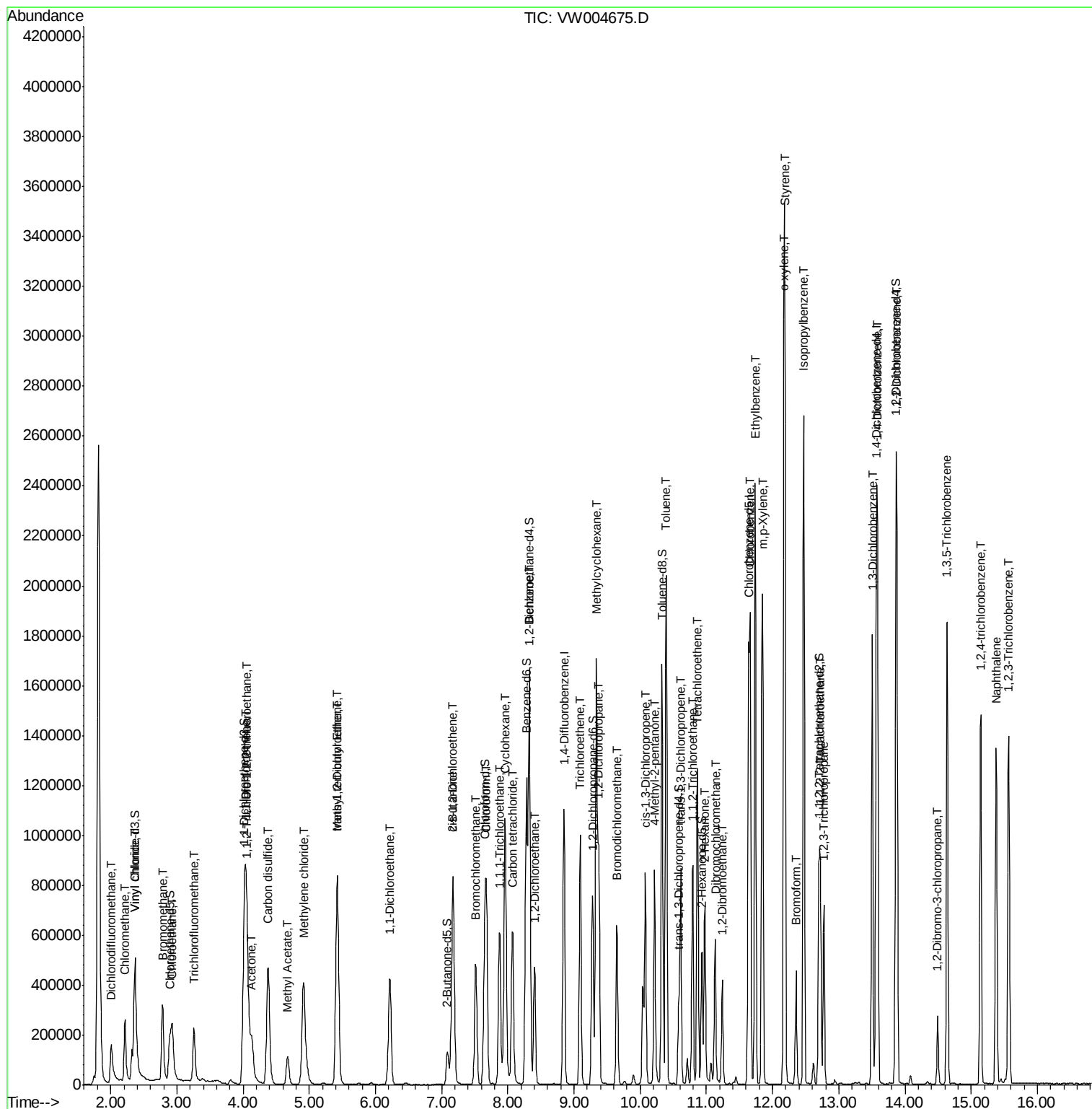
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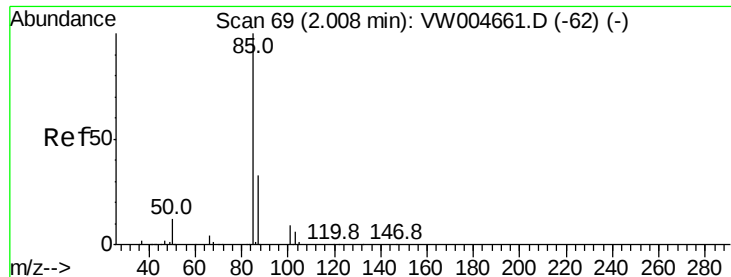
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#2

Dichlorodifluoromethane

Concen: 24.800 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

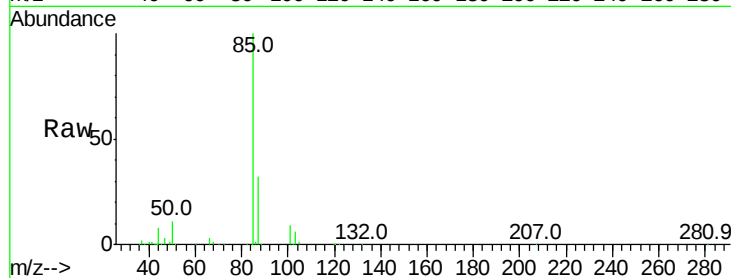
VSTD02594

Tgt Ion: 85 Resp: 278671

Ion Ratio Lower Upper

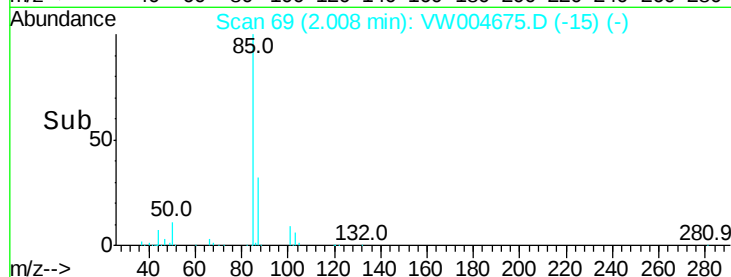
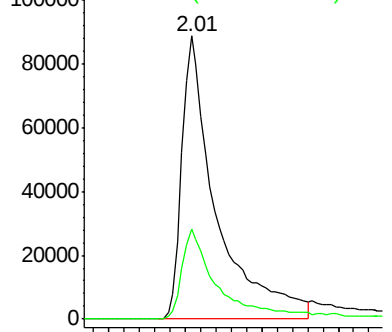
85 100

87 30.6 19.9 37.0

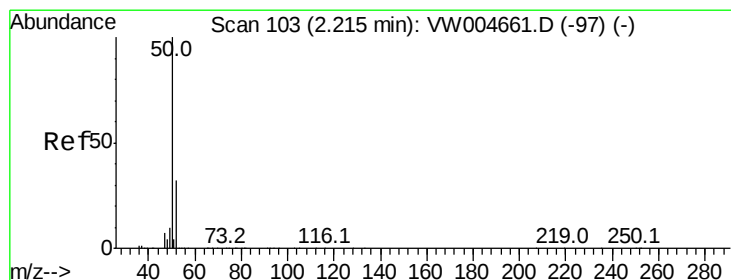


Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



Time-->



#3

Chloromethane

Concen: 23.002 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004675.D

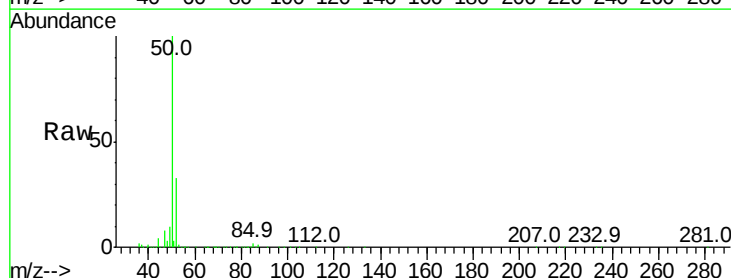
Acq: 14 Aug 2018 18:41

Tgt Ion: 50 Resp: 306579

Ion Ratio Lower Upper

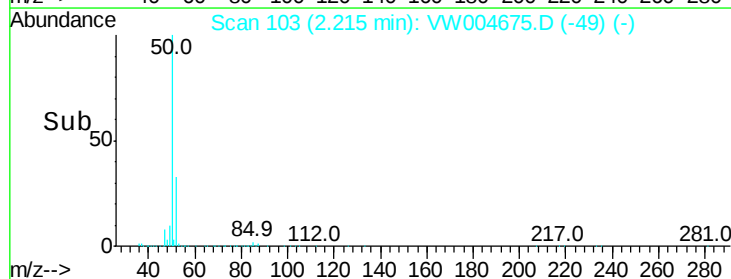
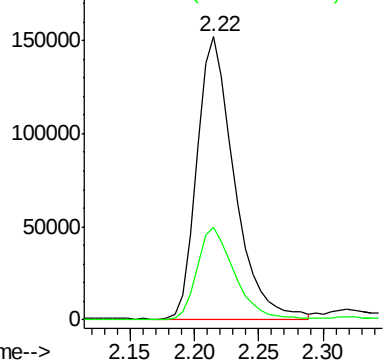
50 100

52 32.9 22.4 41.6

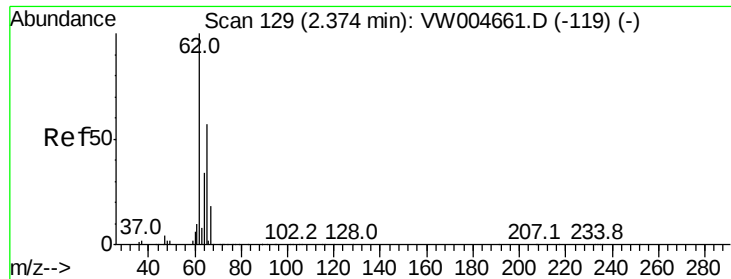


Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#5

Vinyl chloride

Concen: 23.955 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.01 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

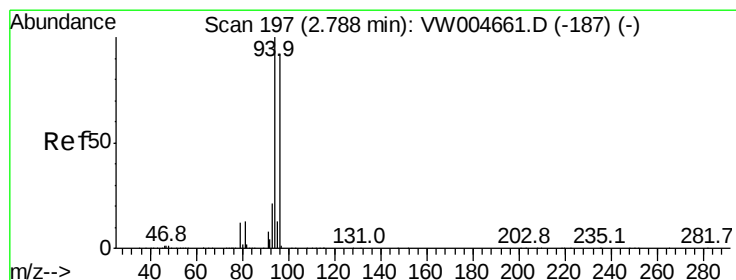
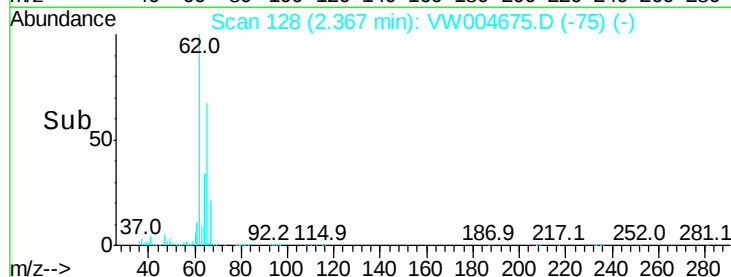
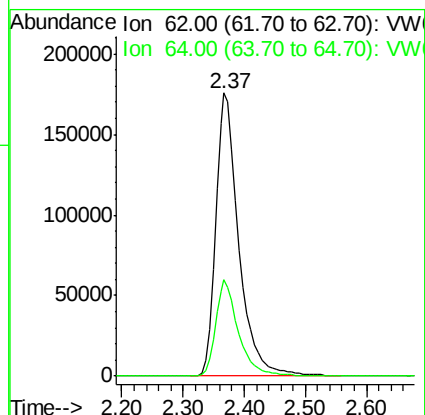
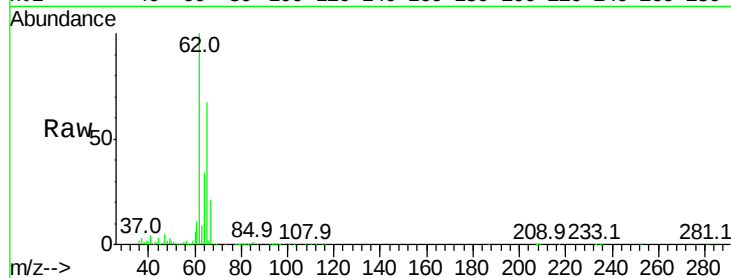
VSTD02594

Tgt Ion: 62 Resp: 463379

Ion Ratio Lower Upper

62 100

64 34.0 23.7 43.9



#6

Bromomethane

Concen: 23.507 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.01 min

Lab File: VW004675.D

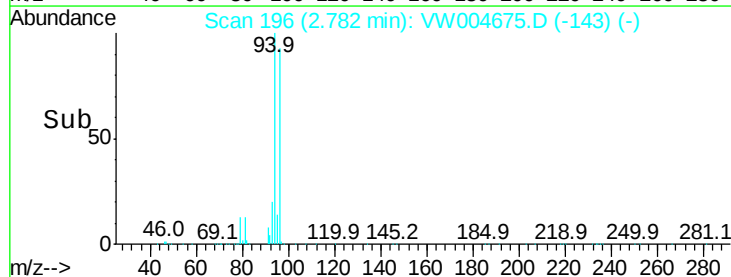
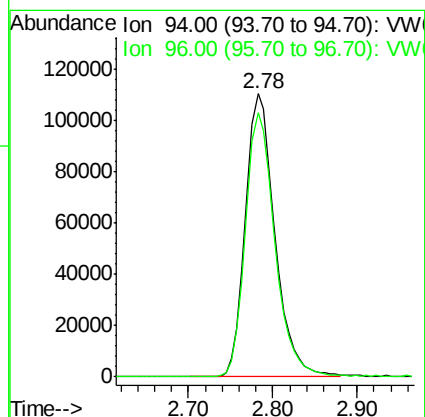
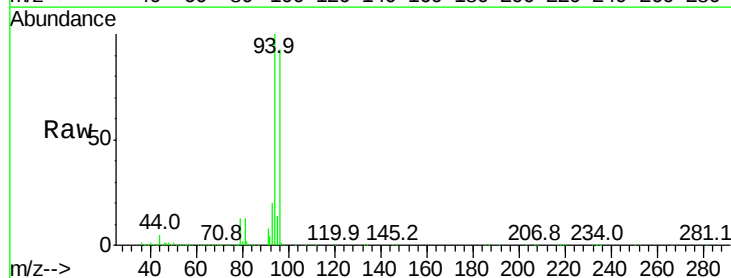
Acq: 14 Aug 2018 18:41

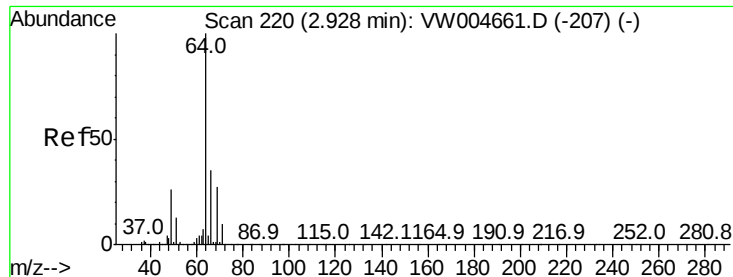
Tgt Ion: 94 Resp: 260623

Ion Ratio Lower Upper

94 100

96 93.4 9.3 177.7





#8

Chloroethane

Concen: 23.881 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

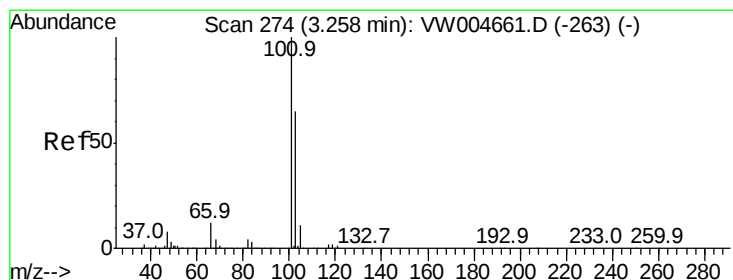
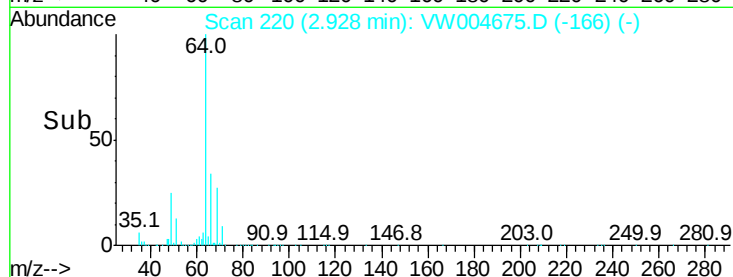
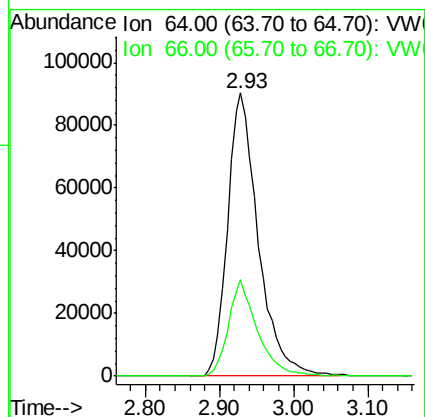
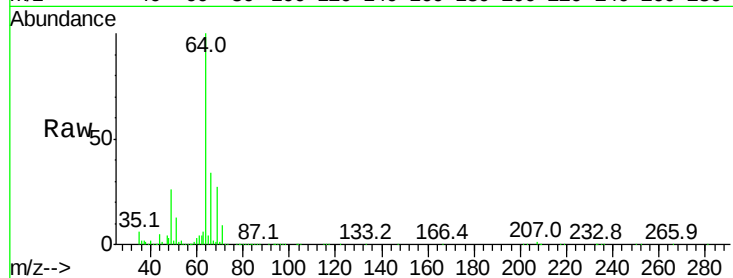
VSTD02594

Tgt Ion: 64 Resp: 259118

Ion Ratio Lower Upper

64 100

66 34.1 24.2 45.0



#9

Trichlorofluoromethane

Concen: 23.955 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004675.D

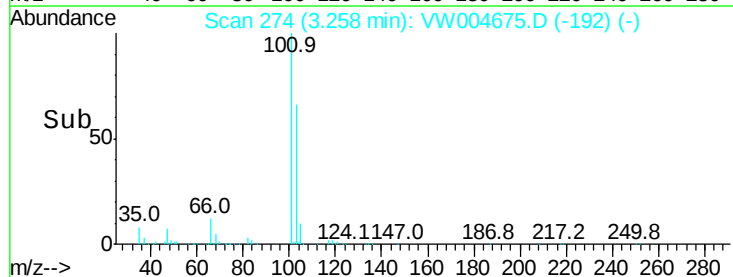
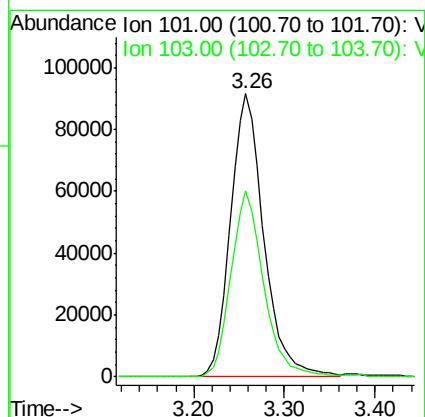
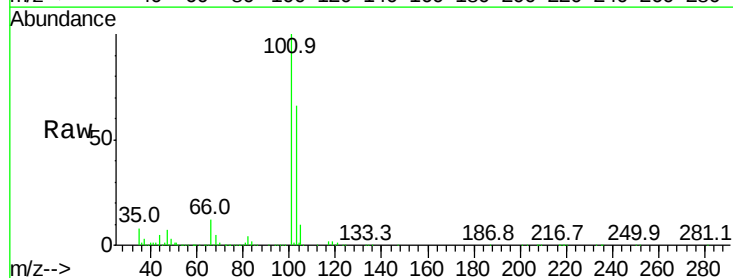
Acq: 14 Aug 2018 18:41

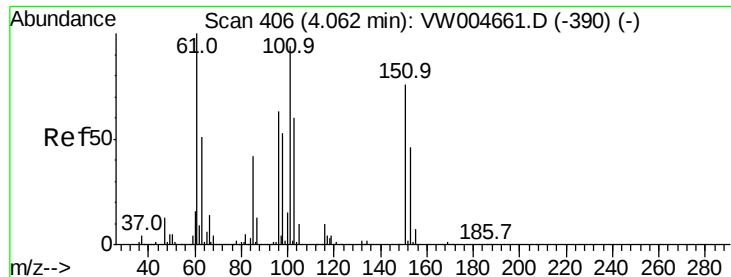
Tgt Ion: 101 Resp: 233474

Ion Ratio Lower Upper

101 100

103 64.3 45.1 83.7





#11

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

Concen: 25.220 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

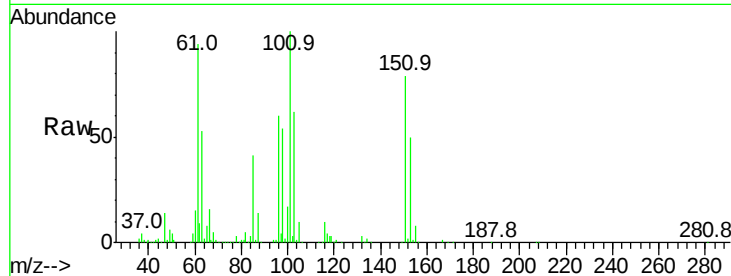
Tgt Ion:101 Resp: 361250

Ion Ratio Lower Upper

101 100

85 41.4 33.2 49.8

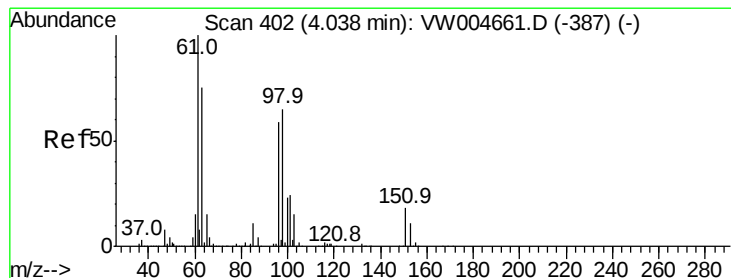
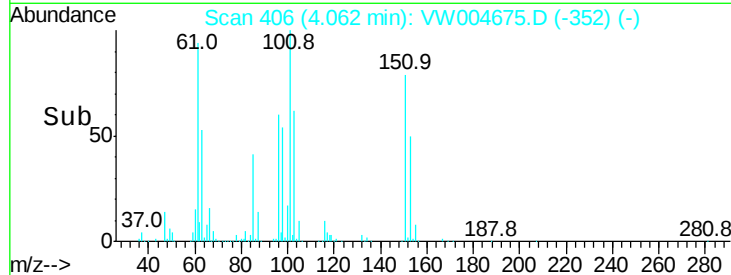
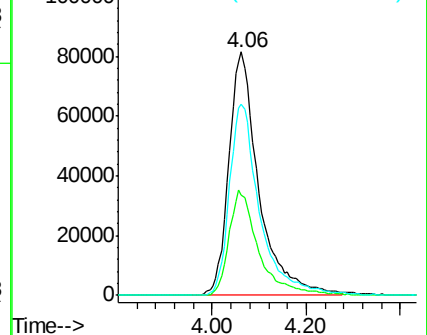
151 75.9 63.0 94.6



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: 24.374 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.01 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

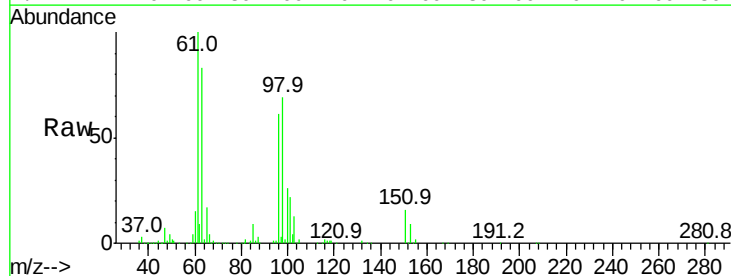
Tgt Ion: 96 Resp: 342773

Ion Ratio Lower Upper

96 100

61 164.5 118.9 220.7

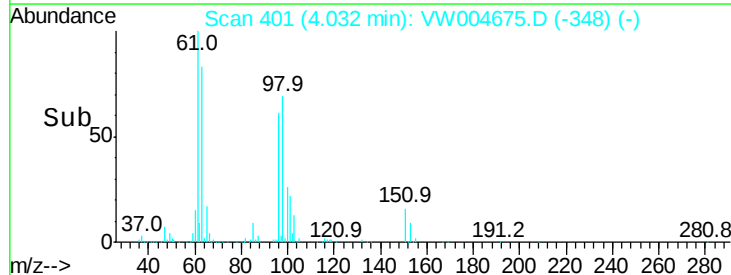
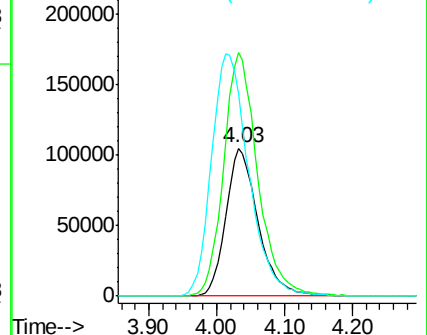
63 136.6 88.9 165.1

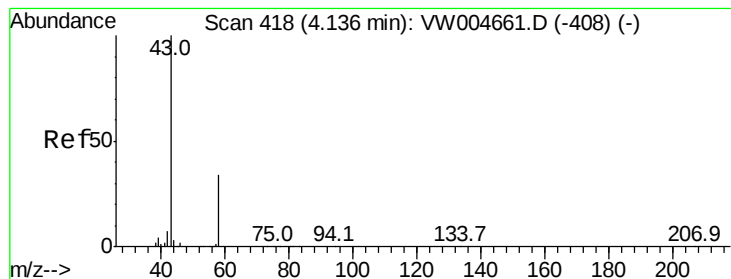


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 57.530 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

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ClientSampleId :

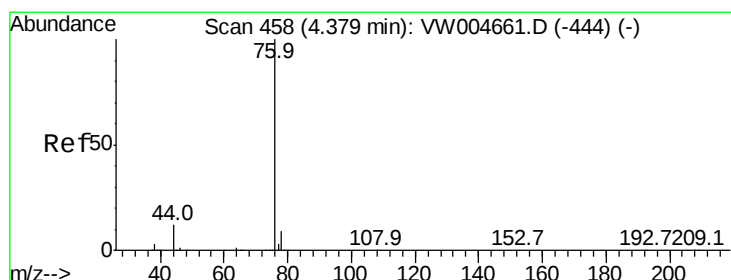
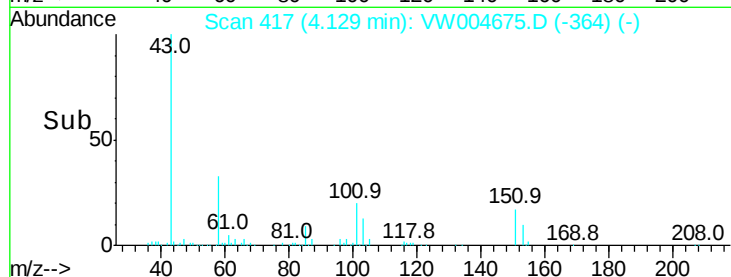
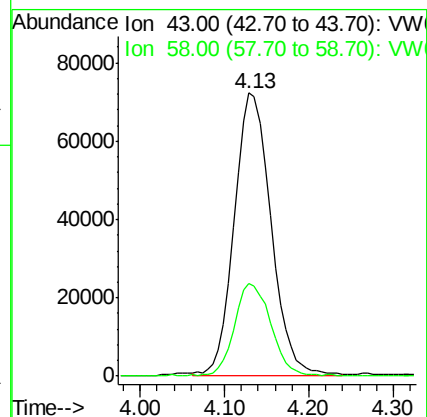
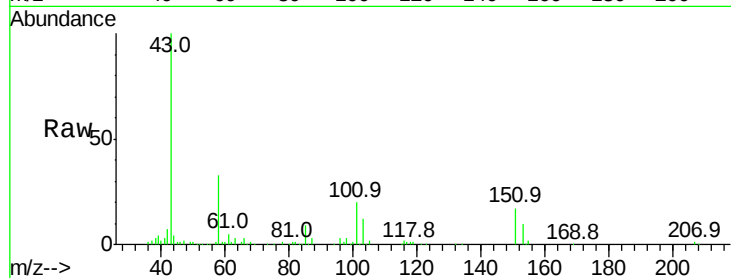
VSTD02594

Tgt Ion: 43 Resp: 213226

Ion Ratio Lower Upper

43 100

58 32.8 0.0 69.4



#14

Carbon disulfide

Concen: 24.025 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004675.D

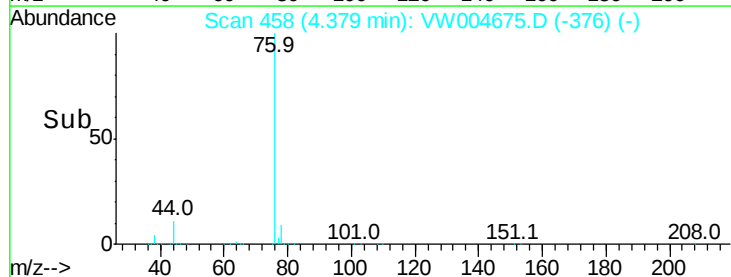
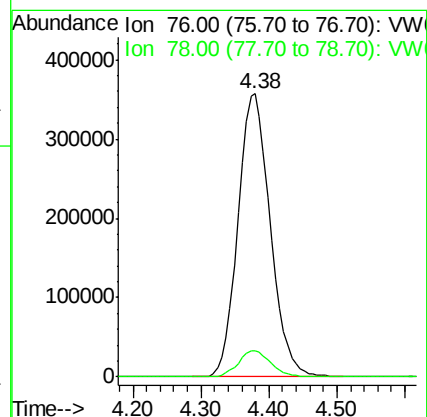
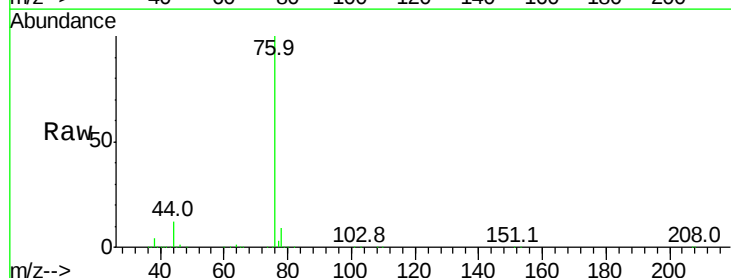
Acq: 14 Aug 2018 18:41

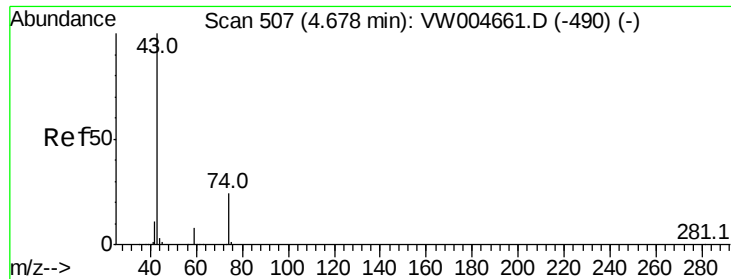
Tgt Ion: 76 Resp: 1177945

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

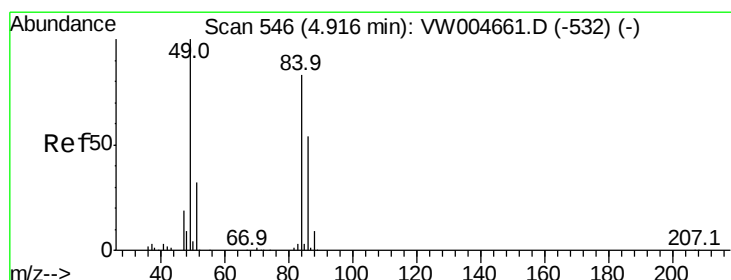
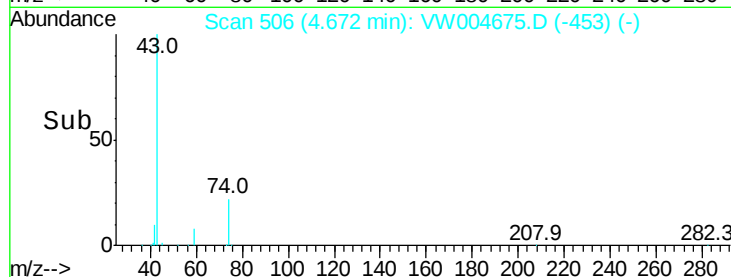
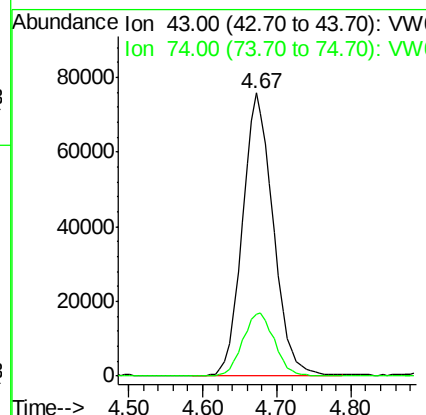
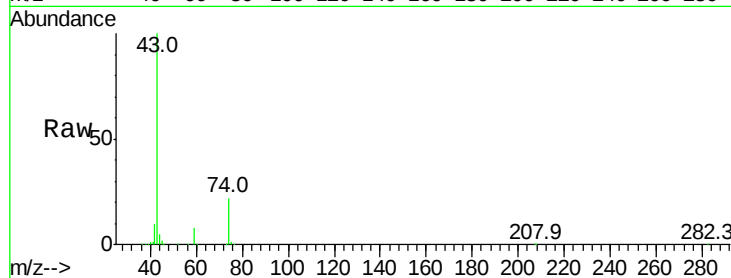




#15
Methyl Acetate
Concen: 27.268 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

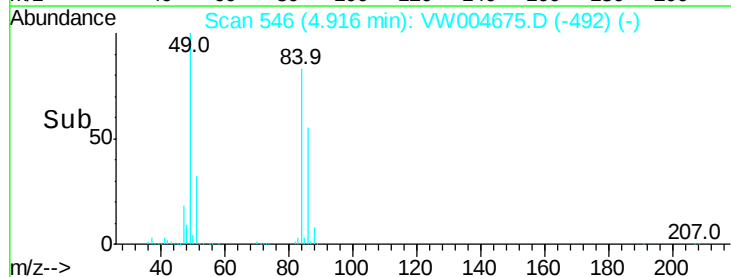
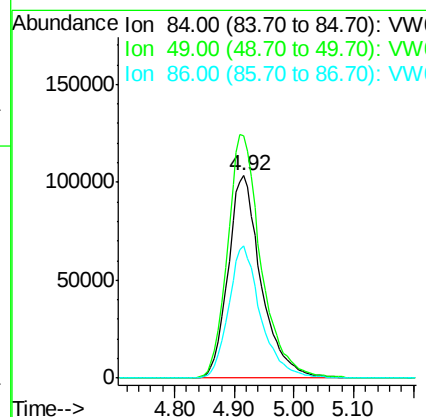
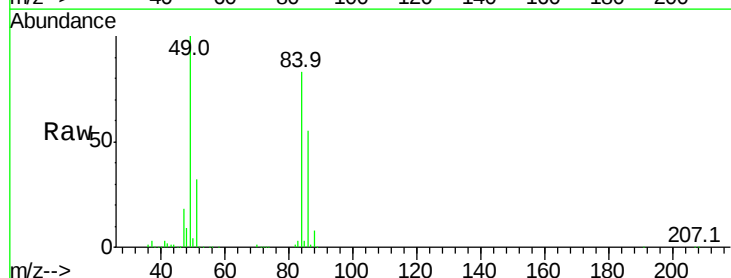
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

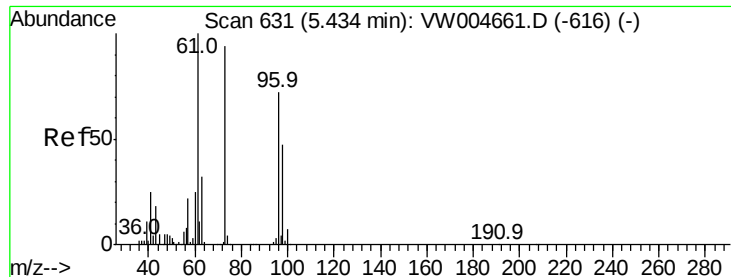
Tgt Ion: 43 Resp: 218409
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2



#16
Methylene chloride
Concen: 21.219 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 84 Resp: 398117
Ion Ratio Lower Upper
84 100
49 119.9 84.9 157.7
86 65.5 45.7 84.9

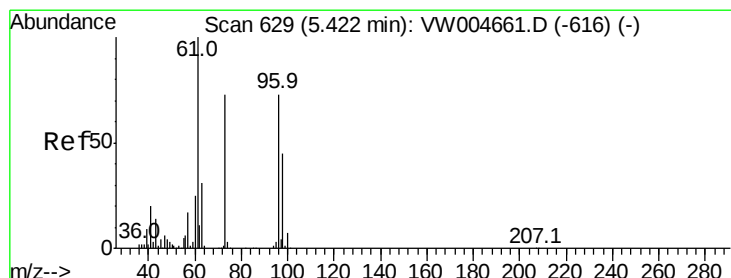
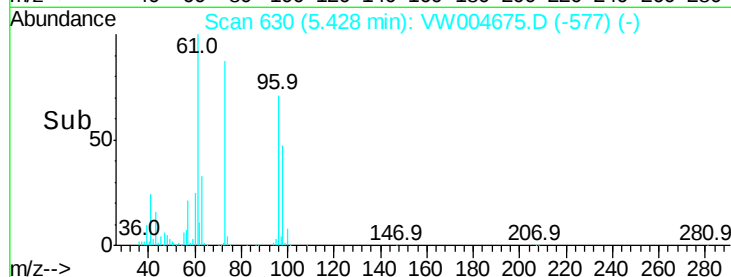
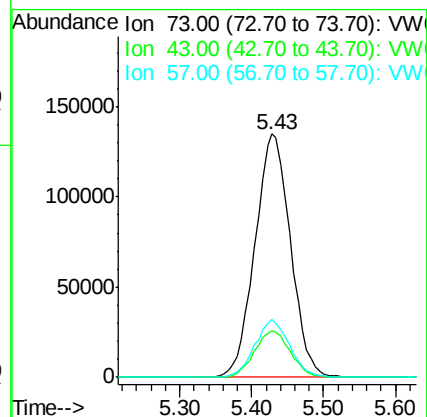
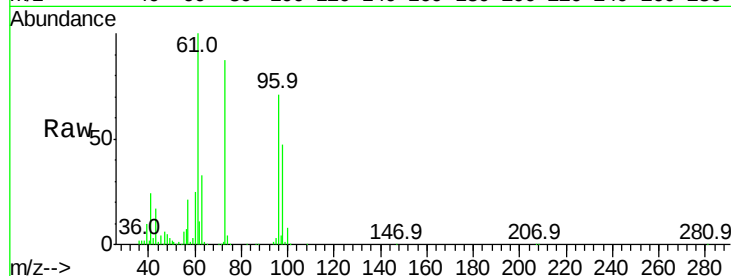




#17
Methyl tert-butyl Ether
Concen: 25.158 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

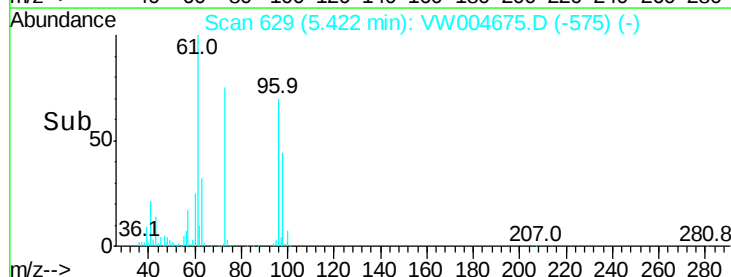
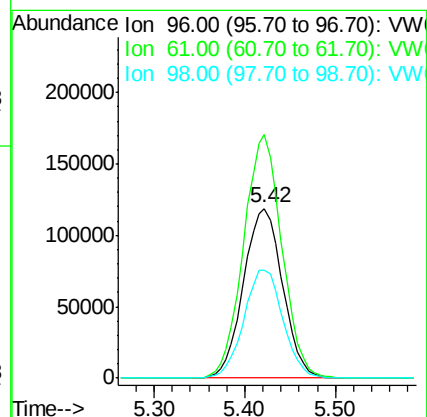
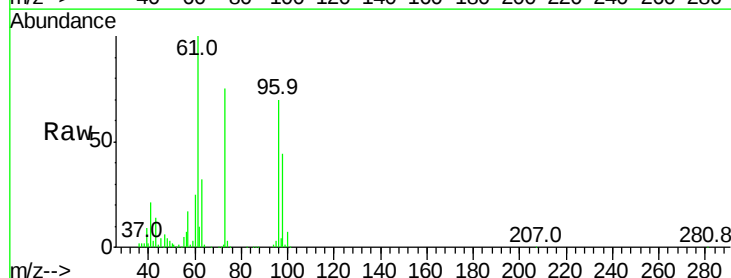
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

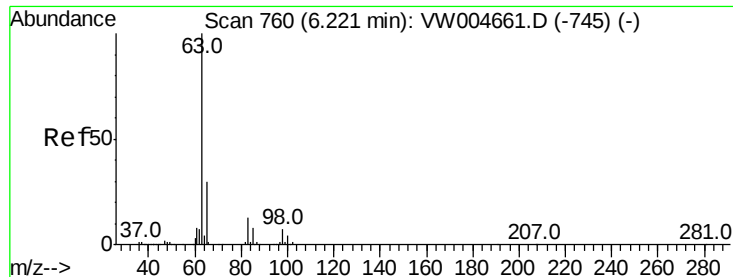
Tgt Ion: 73 Resp: 462046
Ion Ratio Lower Upper
73 100
43 19.1 15.0 22.6
57 23.2 18.6 27.8



#18
trans-1,2-Dichloroethene
Concen: 24.547 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 96 Resp: 354463
Ion Ratio Lower Upper
96 100
61 143.6 96.1 178.5
98 63.6 43.3 80.5

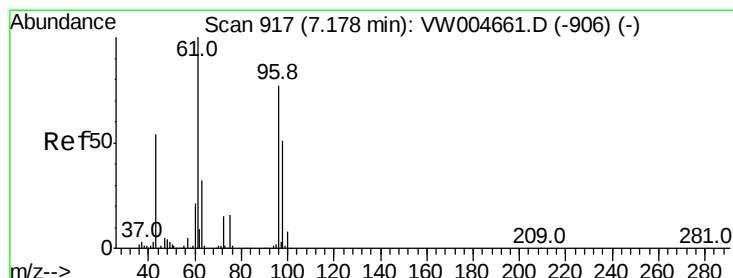
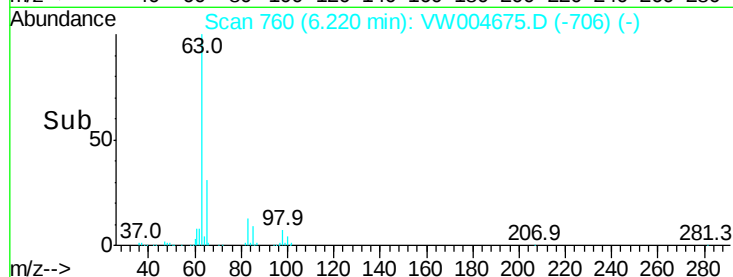
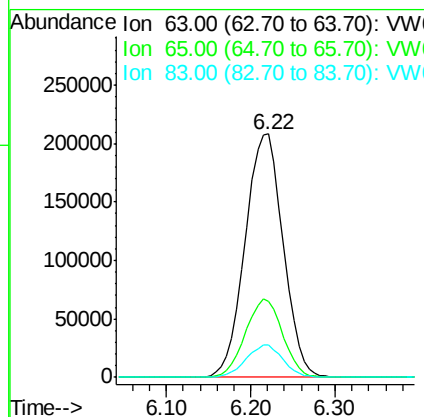
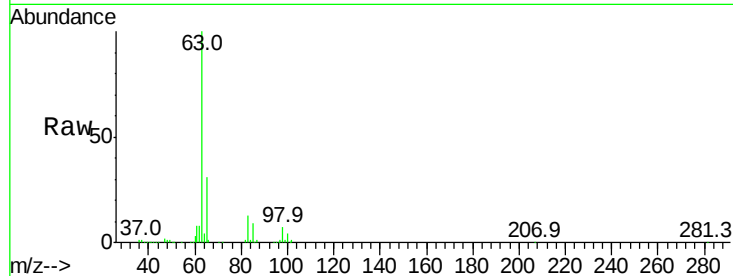




#19
 1,1-Dichloroethane
 Concen: 24.959 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

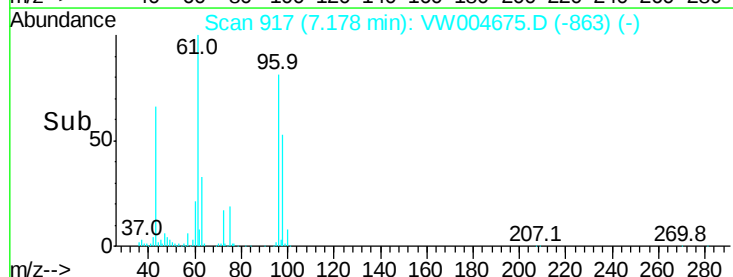
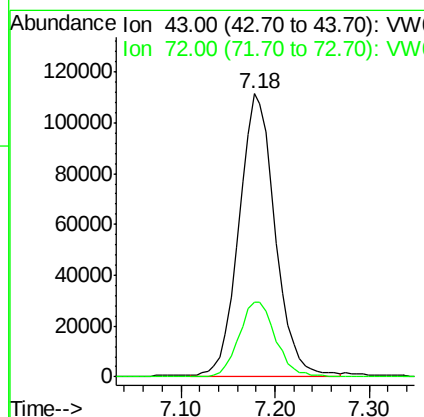
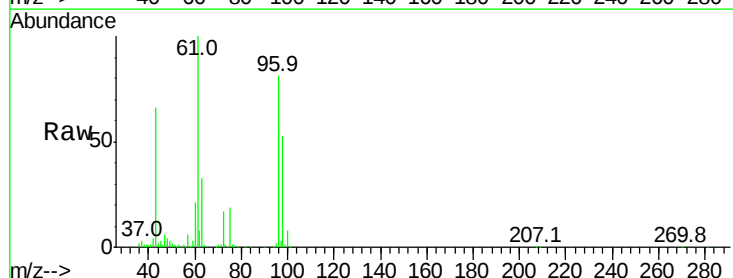
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02594

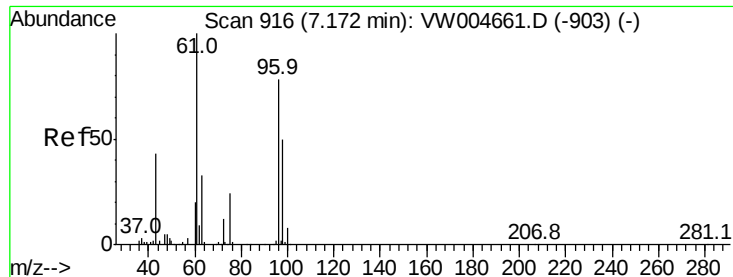
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.2	39.4
83	13.2	9.2	17.0



#21
 2-Butanone
 Concen: 57.656 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.7	14.1	42.2



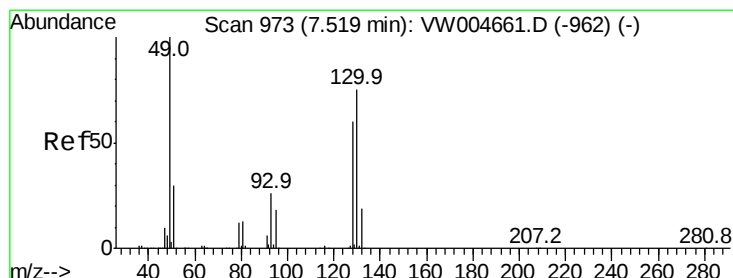
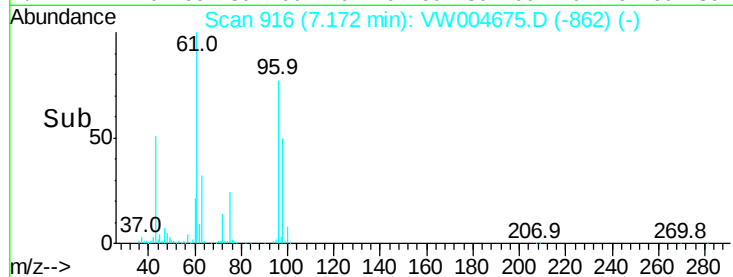
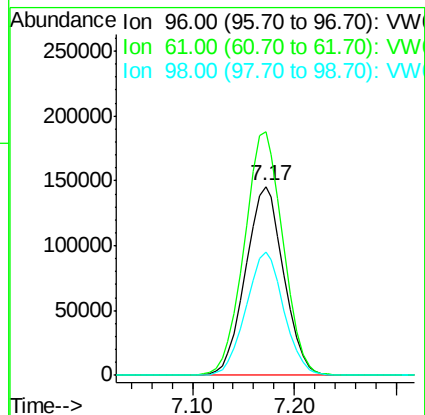
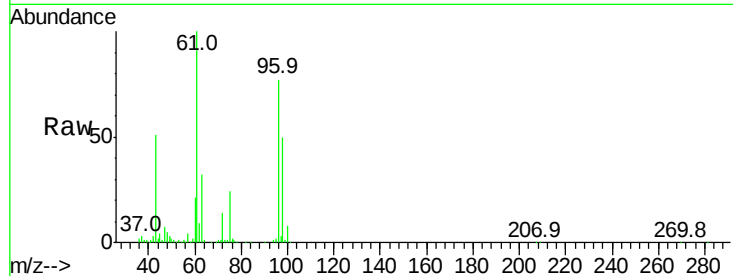


#22

cis-1,2-Dichloroethene
Concen: 24.864 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

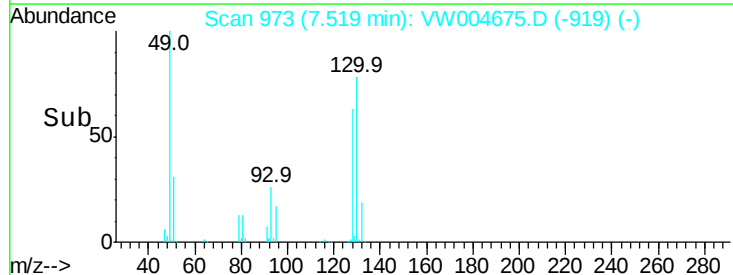
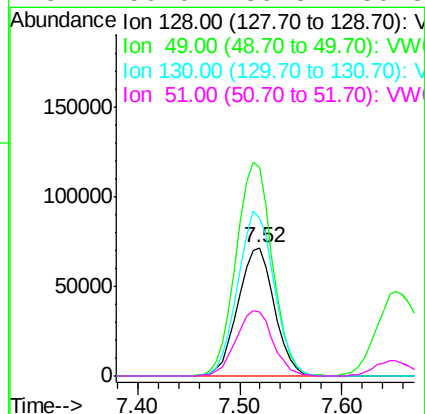
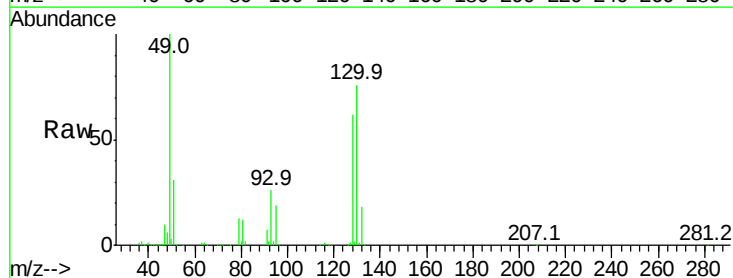
Tgt Ion: 96 Resp: 378792
Ion Ratio Lower Upper
96 100
61 129.1 89.6 166.4
98 65.0 44.5 82.7

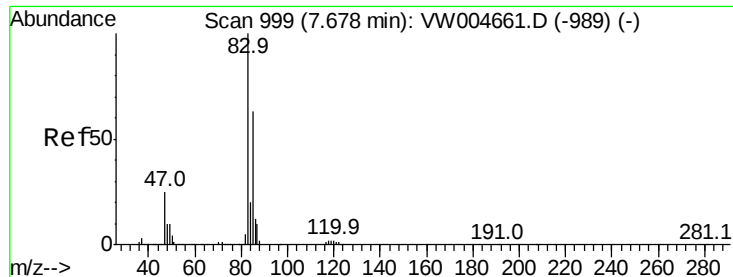


#23

Bromochloromethane
Concen: 25.054 ug/L
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 128 Resp: 178045
Ion Ratio Lower Upper
128 100
49 162.3 116.0 215.4
130 123.0 86.6 160.8
51 50.0 39.8 59.8





#25

Chloroform

Concen: 24.991 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

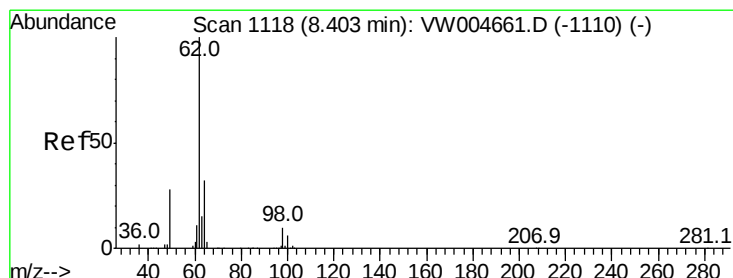
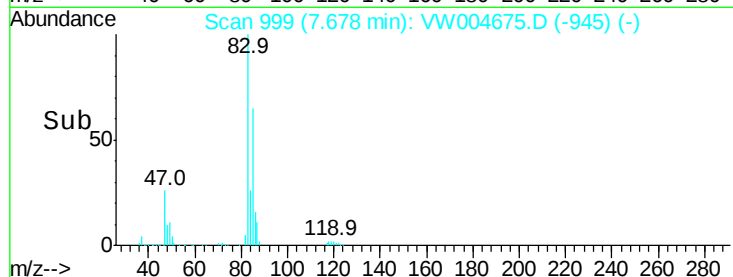
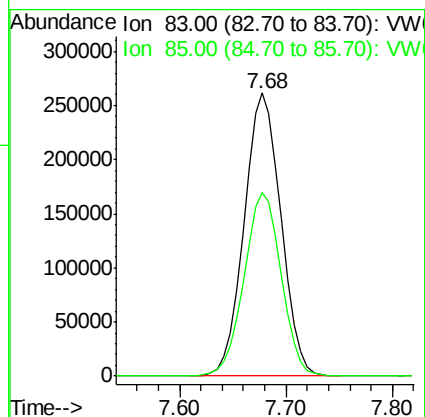
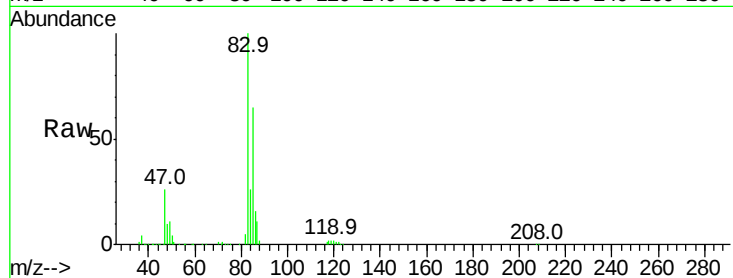
VSTD02594

Tgt Ion: 83 Resp: 635370

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5



#27

1,2-Dichloroethane

Concen: 25.710 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004675.D

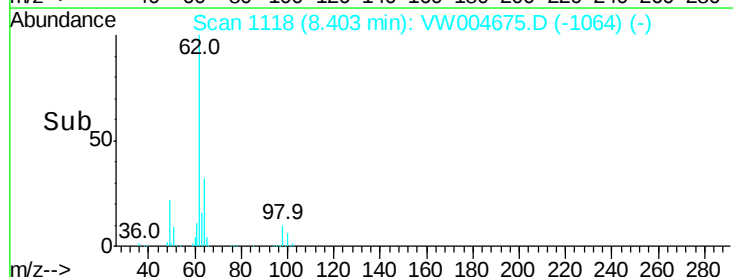
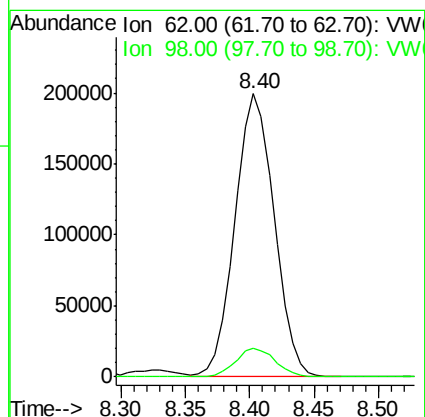
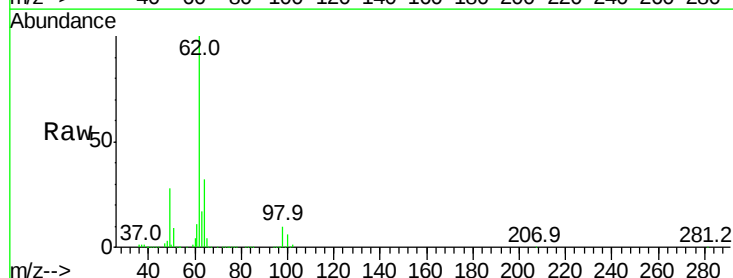
Acq: 14 Aug 2018 18:41

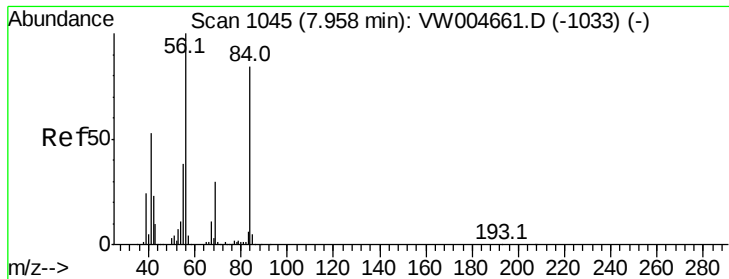
Tgt Ion: 62 Resp: 422602

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.8

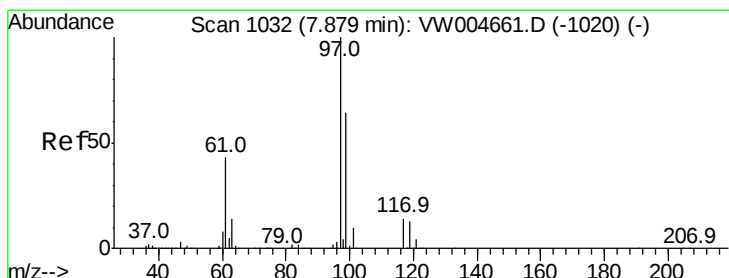
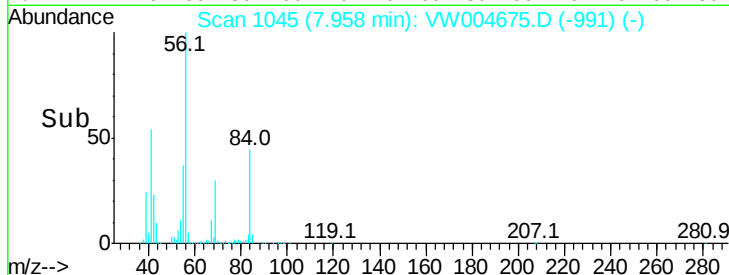
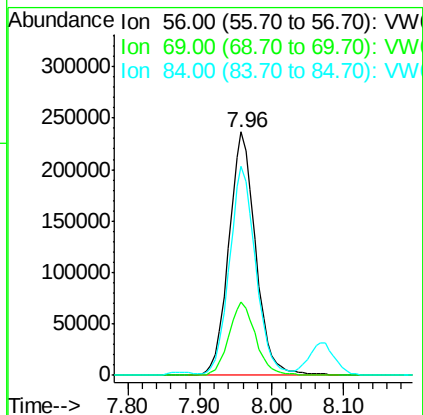
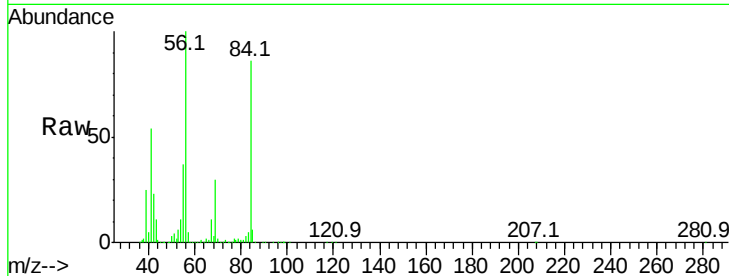




#30
Cyclohexane
Concen: 25.667 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

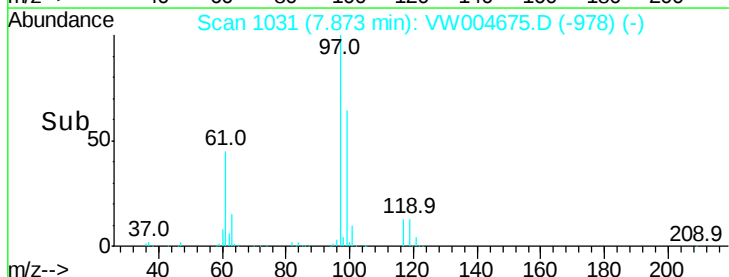
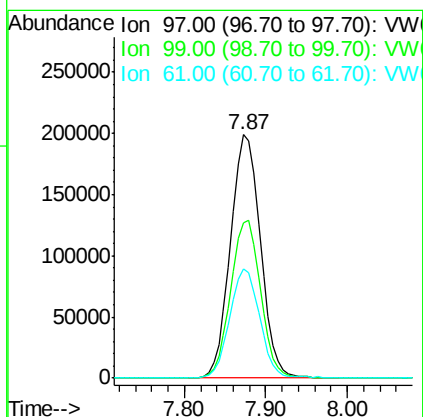
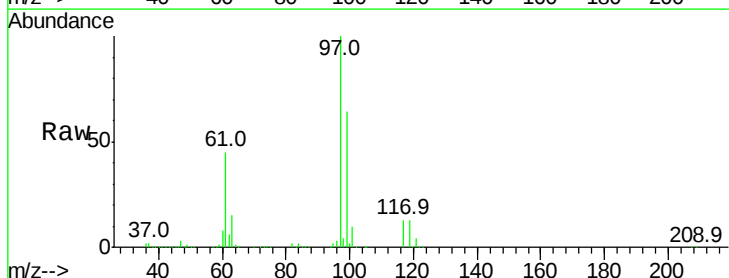
Instrument :
MSVOA_W
ClientSampled :
VSTD02594

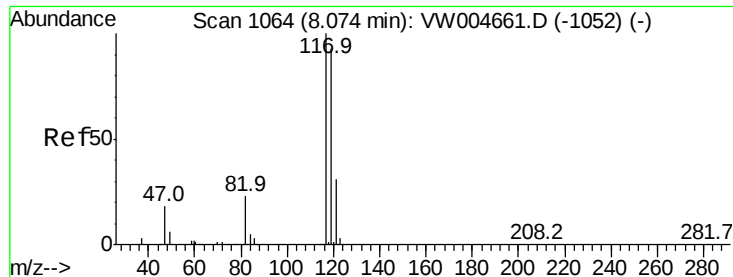
Tgt Ion: 56 Resp: 611372
Ion Ratio Lower Upper
56 100
69 30.1 23.9 35.9
84 84.5 66.4 99.6



#31
1,1,1-Trichloroethane
Concen: 24.864 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 97 Resp: 506979
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 44.7 35.6 53.4





#32

Carbon tetrachloride

Concen: 25.046 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

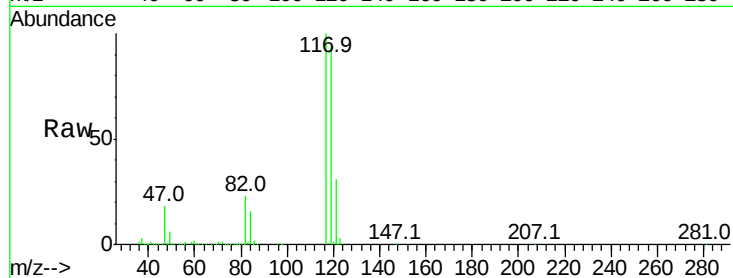
VSTD02594

Tgt Ion:117 Resp: 485882

Ion Ratio Lower Upper

117 100

119 95.4 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

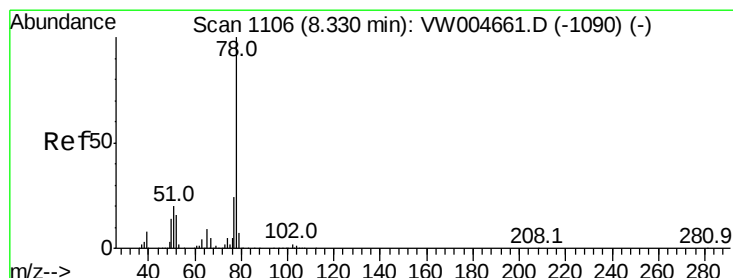
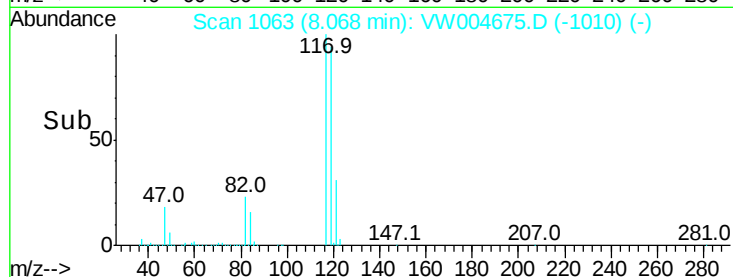
150000

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 25.294 ug/L

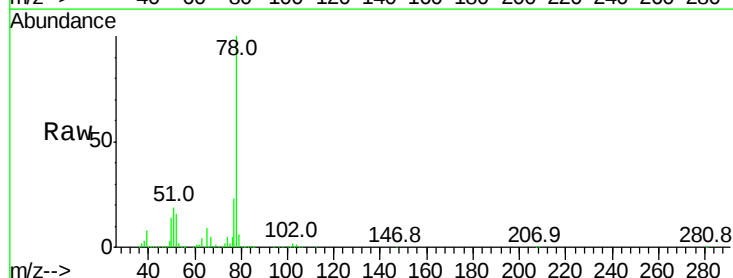
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Tgt Ion: 78 Resp: 1467465



Abundance Ion 78.00 (77.70 to 78.70): VW

8.33

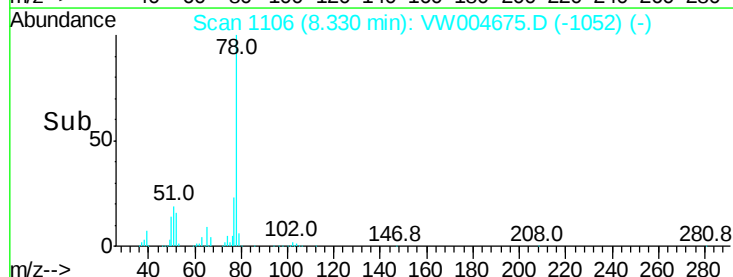
600000

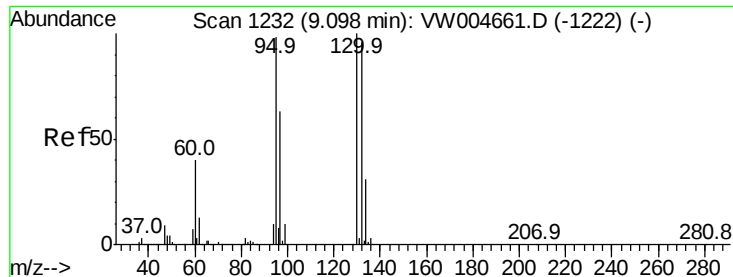
400000

200000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 24.575 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion: 95 Resp: 358791

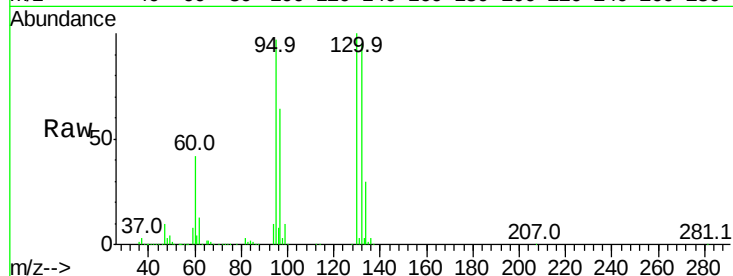
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 99.3 68.8 127.8

130 103.5 71.5 132.9

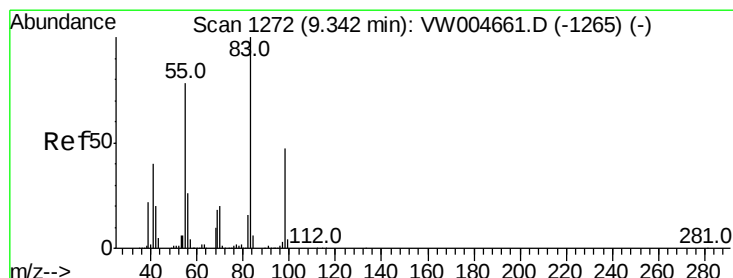
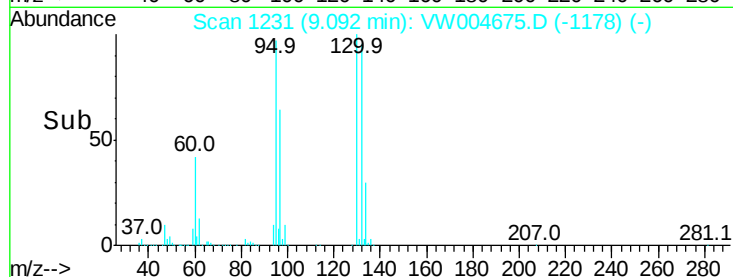
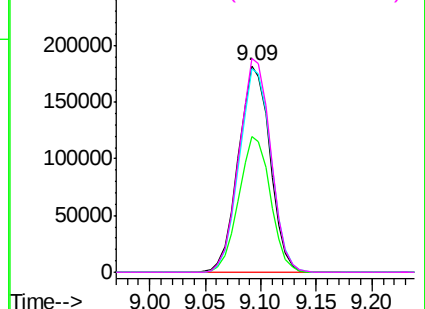


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.729 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

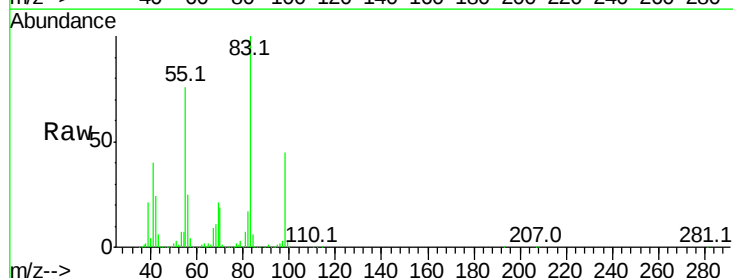
Tgt Ion: 83 Resp: 700910

Ion Ratio Lower Upper

83 100

55 77.2 61.4 92.2

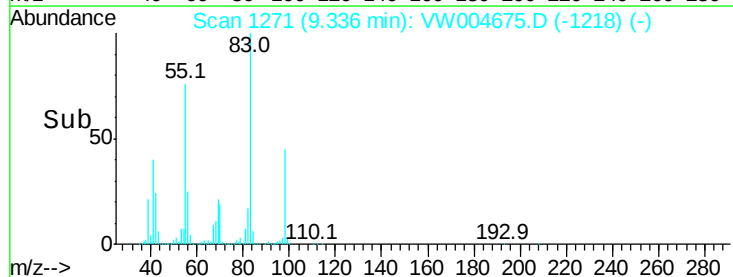
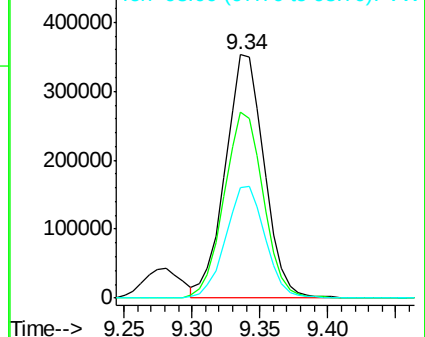
98 46.9 36.2 54.4

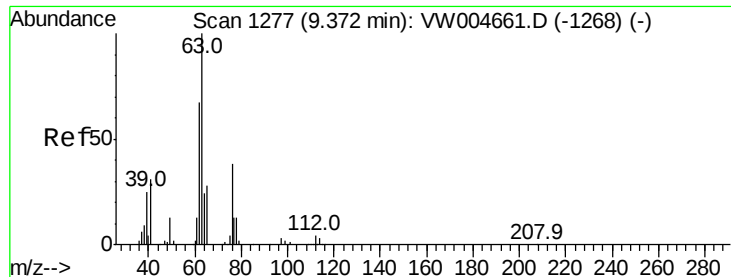


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

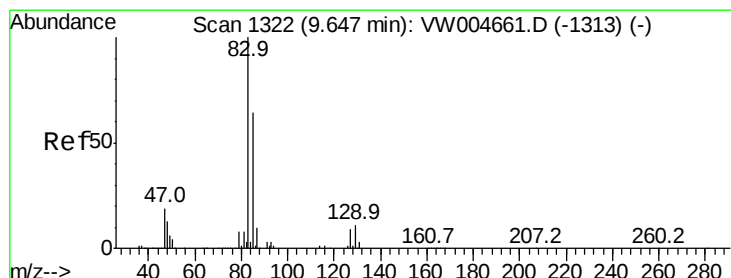
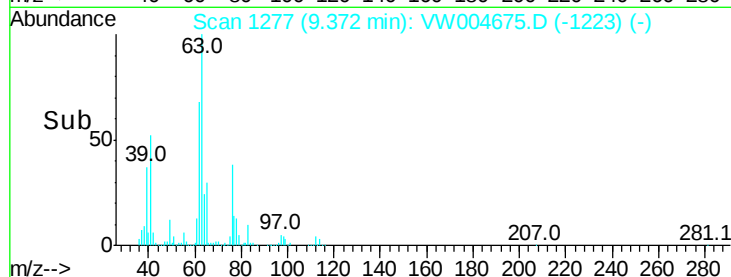
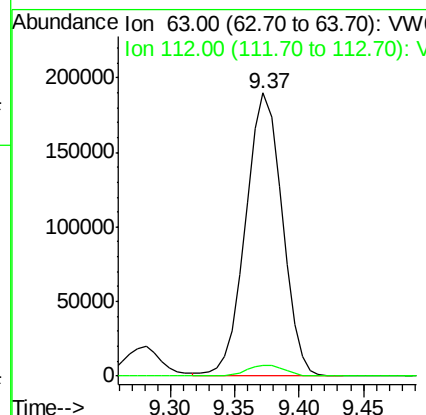
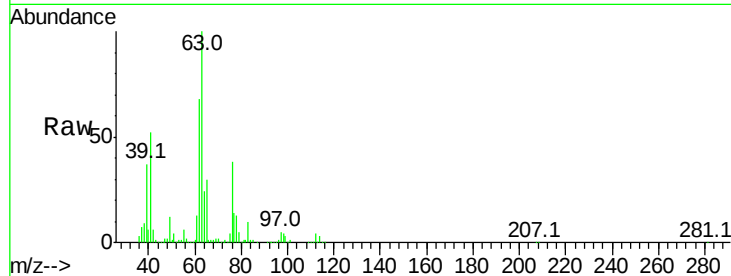




#40
 1,2-Dichloropropane
 Concen: 25.356 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

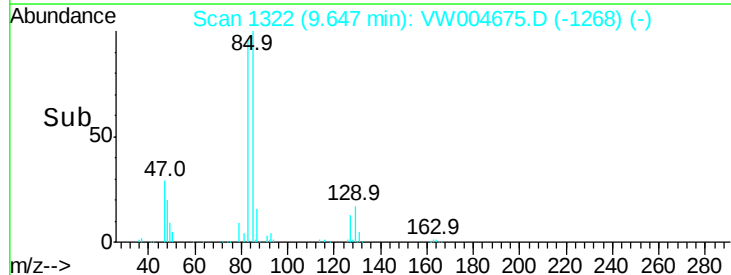
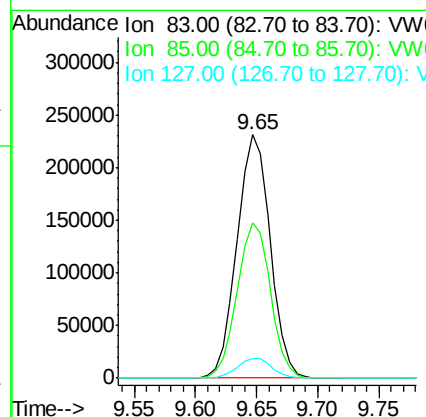
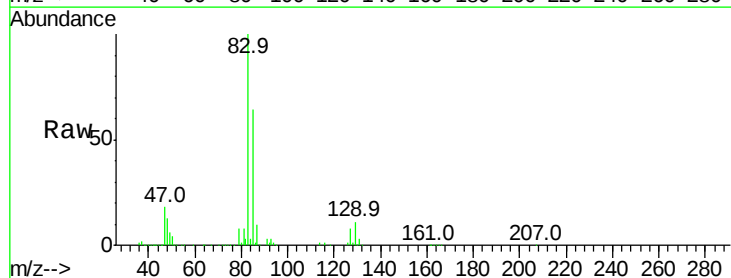
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

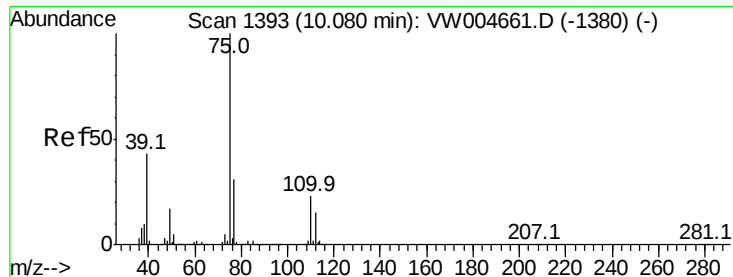
Tgt Ion: 63 Resp: 373266
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.4 5.0



#41
 Bromodichloromethane
 Concen: 25.272 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

Tgt Ion: 83 Resp: 434672
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.9 83.5
 127 8.2 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.423 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

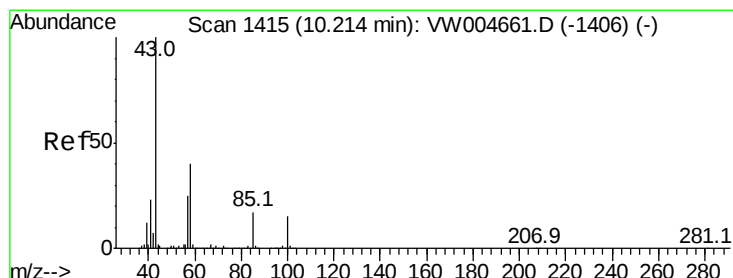
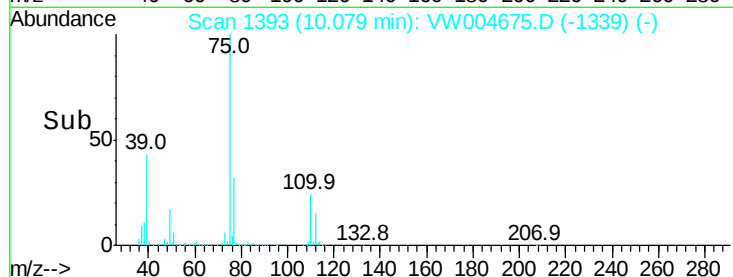
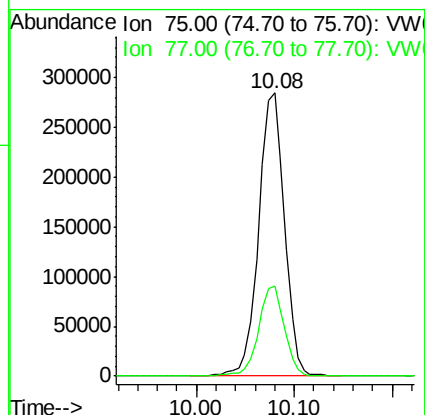
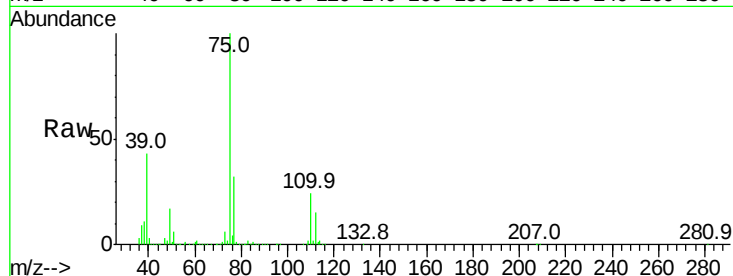
VSTD02594

Tgt Ion: 75 Resp: 520892

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3



#43

4-Methyl-2-pentanone

Concen: 57.857 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

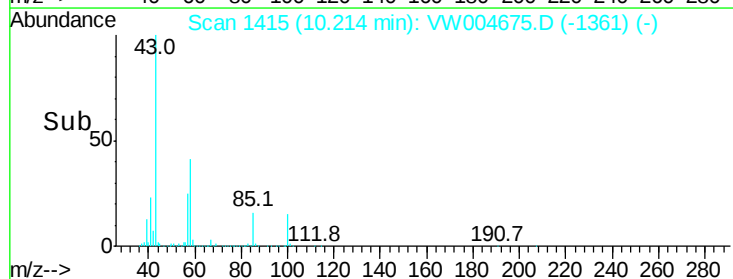
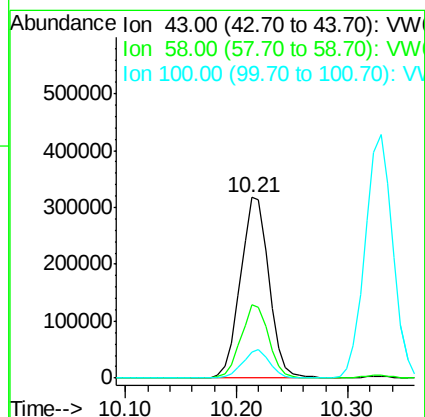
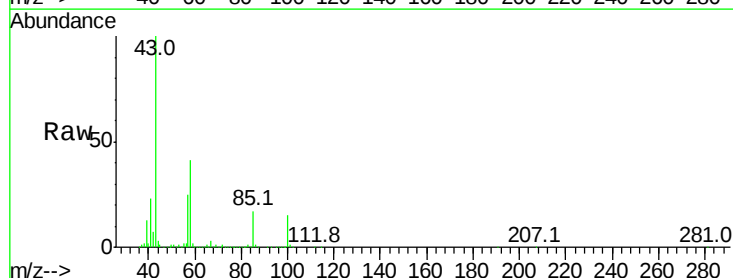
Tgt Ion: 43 Resp: 563961

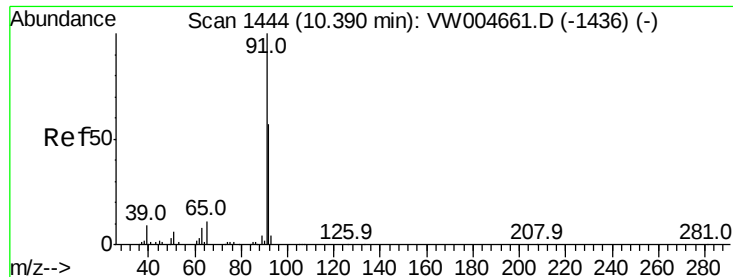
Ion Ratio Lower Upper

43 100

58 39.6 31.8 47.8

100 14.9 12.2 18.4





#44

Toluene

Concen: 25.885 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

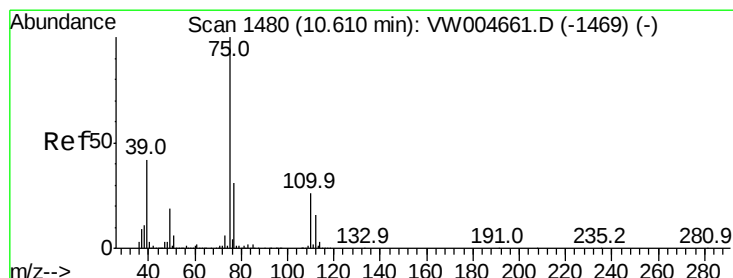
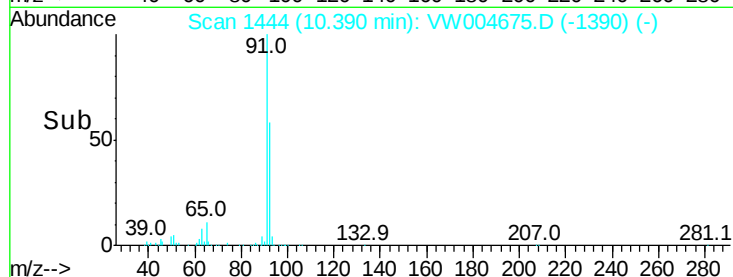
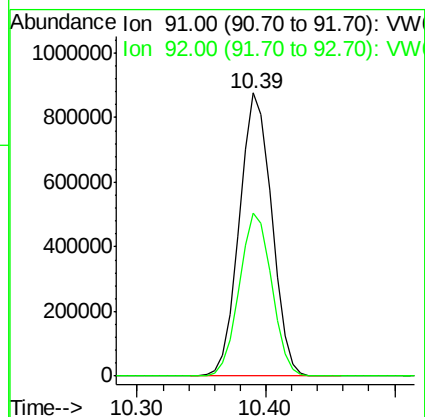
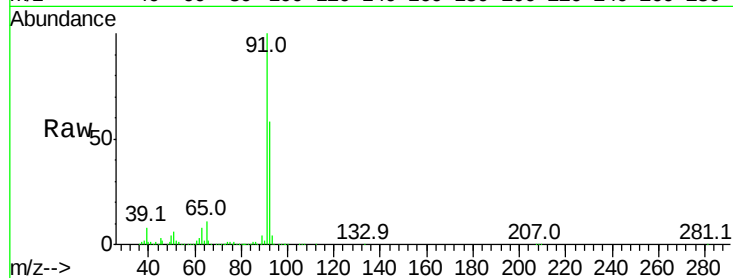
VSTD02594

Tgt Ion: 91 Resp: 1520682

Ion Ratio Lower Upper

91 100

92 57.5 40.3 74.8



#45

trans-1,3-Dichloropropene

Concen: 25.940 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004675.D

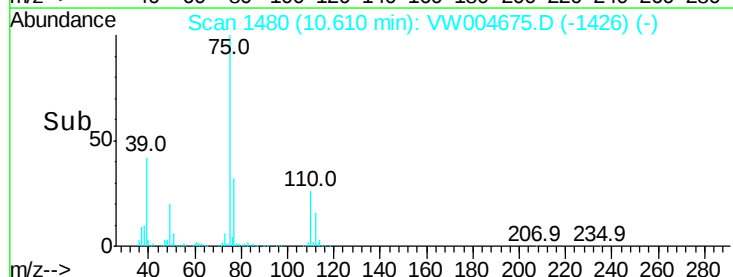
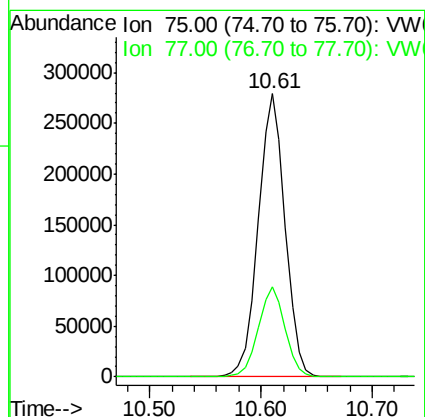
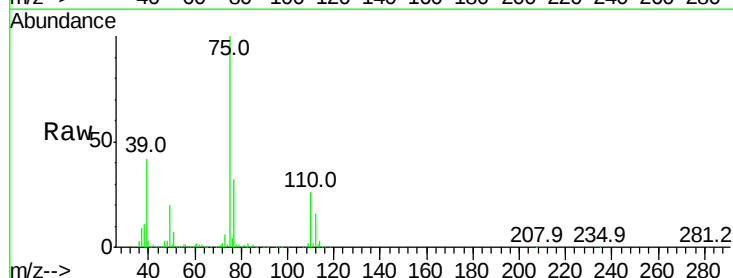
Acq: 14 Aug 2018 18:41

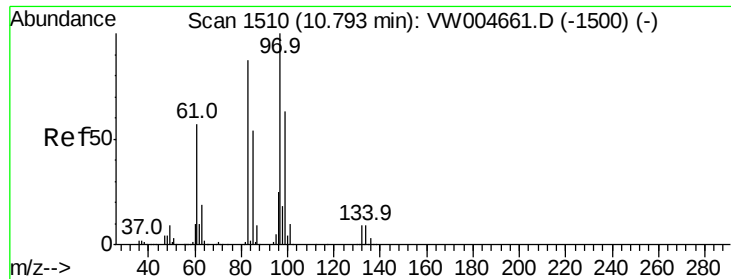
Tgt Ion: 75 Resp: 468623

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

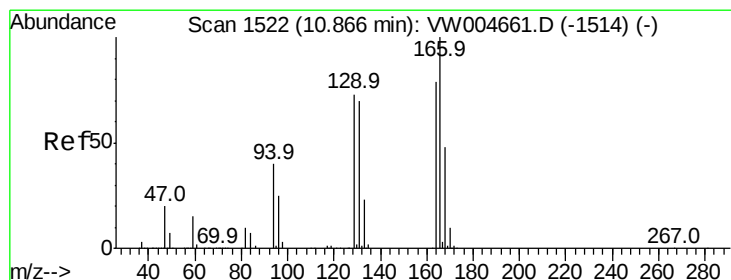
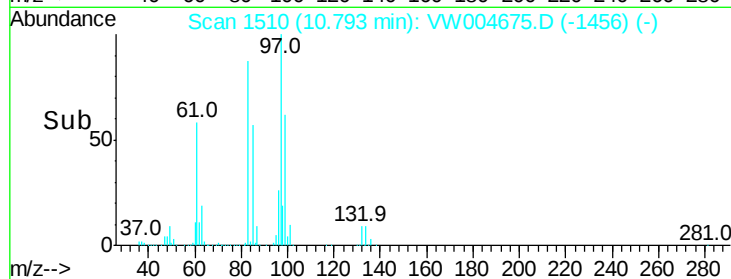
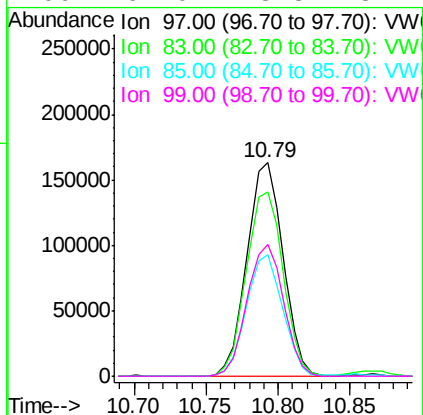
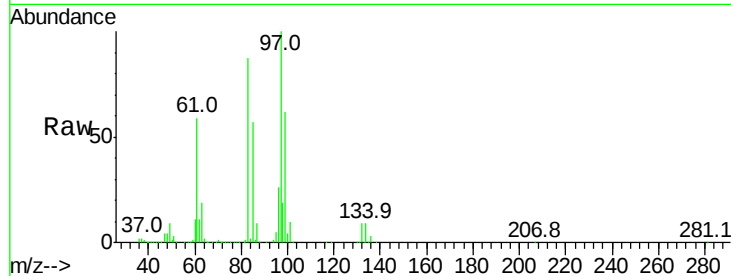




#46
 1,1,2-Trichloroethane
 Concen: 25.486 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

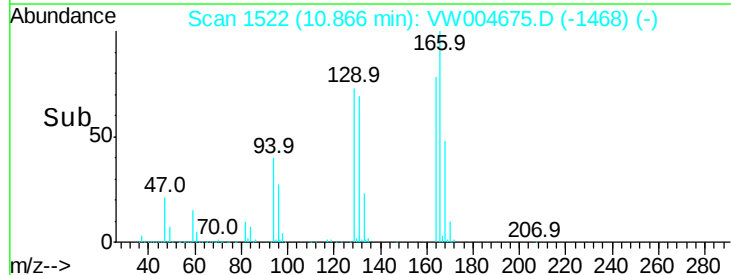
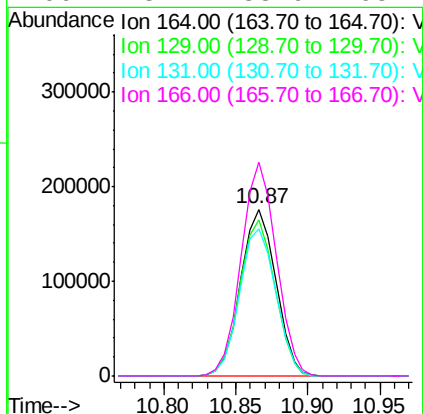
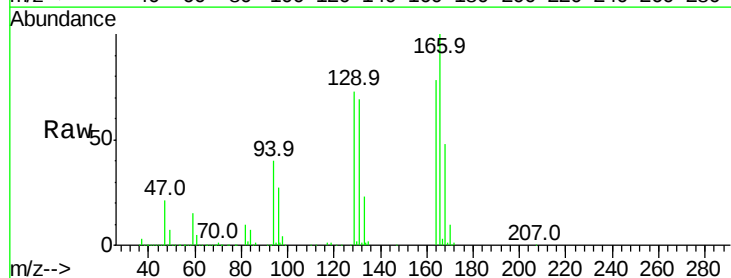
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

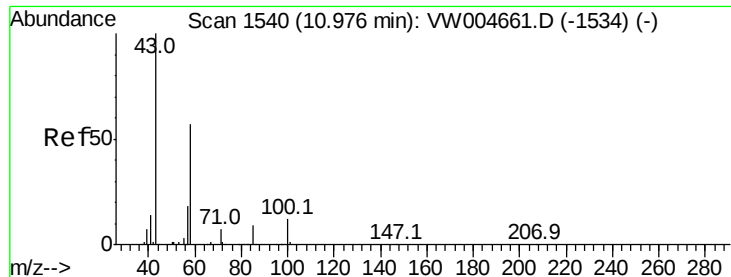
Tgt Ion:	97	Resp:	283571
Ion	Ratio	Lower	Upper
97	100		
83	86.5	60.6	112.6
85	57.2	37.9	70.5
99	62.0	43.8	81.4



#47
 Tetrachloroethene
 Concen: 24.770 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

Tgt Ion:	164	Resp:	300038
Ion	Ratio	Lower	Upper
164	100		
129	93.7	65.0	120.6
131	88.1	62.2	115.4
166	128.1	88.9	165.1

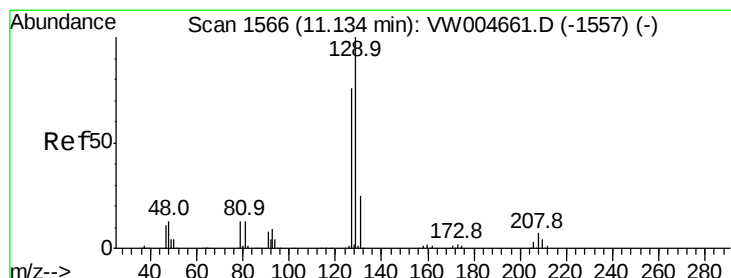
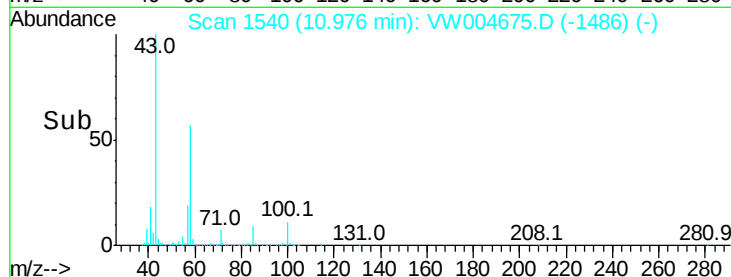
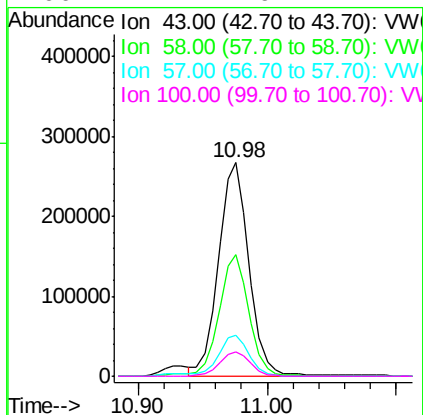
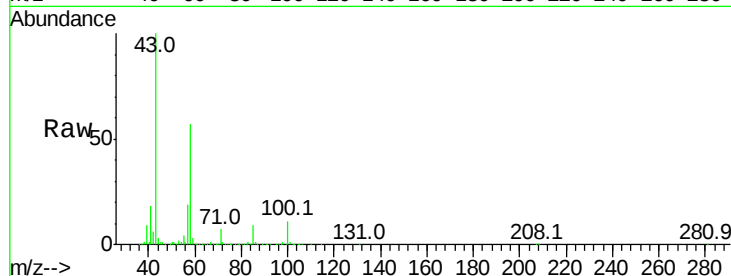




#49
2-Hexanone
Concen: 62.255 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

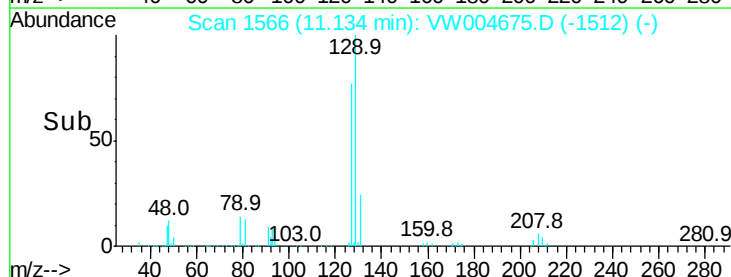
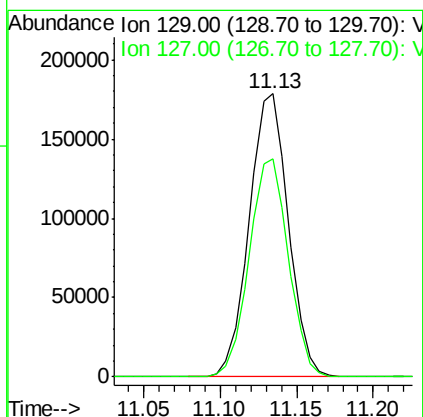
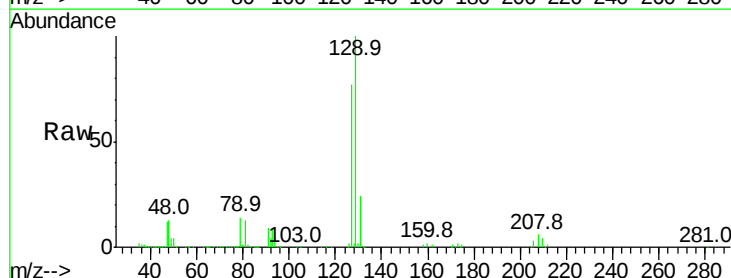
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

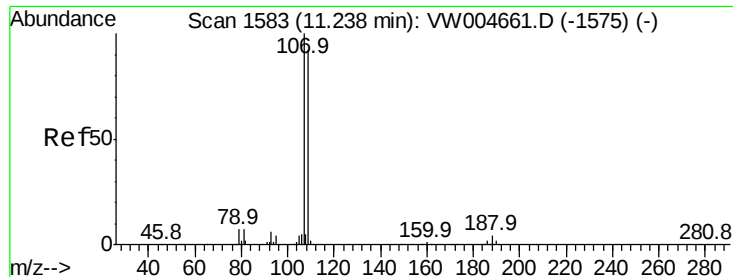
Tgt Ion:	43	Resp:	441959
Ion	Ratio	Lower	Upper
43	100		
58	55.3	44.4	66.6
57	18.8	14.8	22.2
100	11.4	9.4	14.2



#50
Dibromochloromethane
Concen: 25.438 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Tgt Ion:	129	Resp:	318370
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.3	98.9

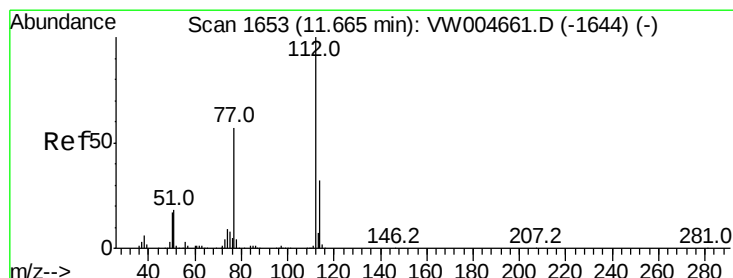
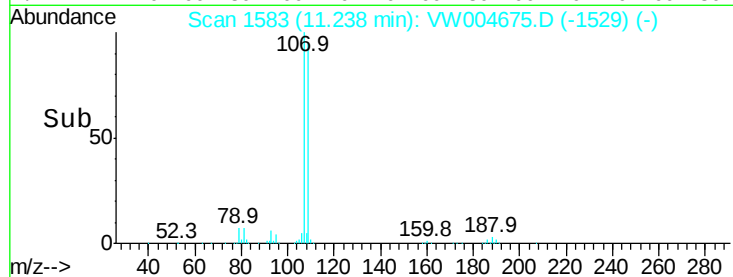
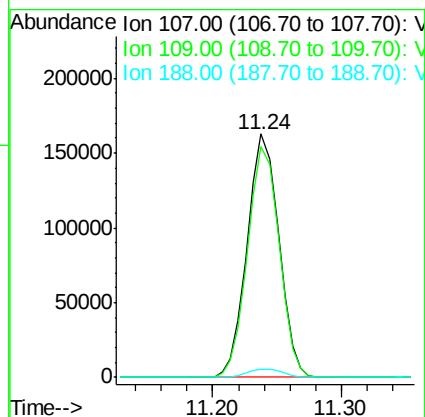
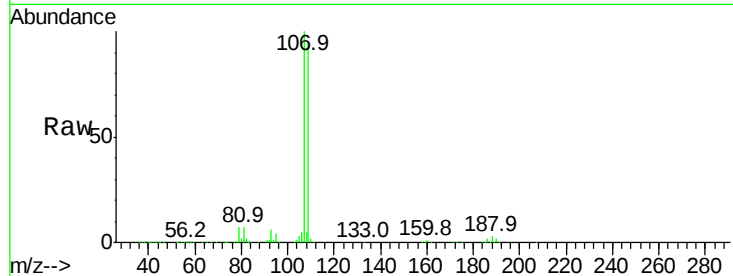




#51
1,2-Dibromoethane
Concen: 25.857 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

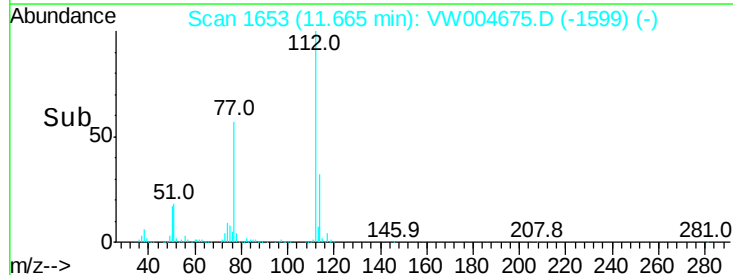
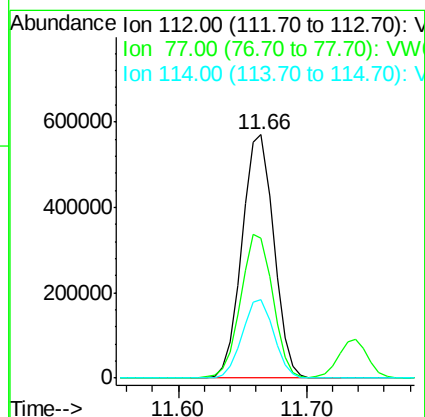
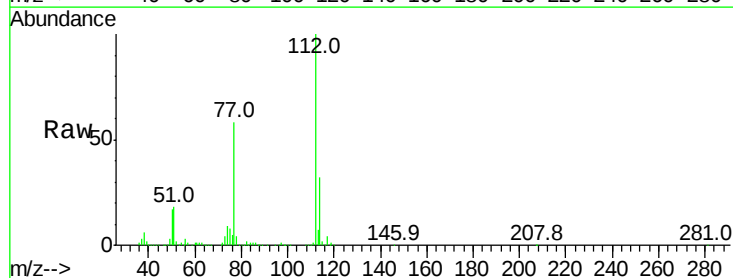
Instrument :
MSVOA_W
ClientSampleId :
VSTD02594

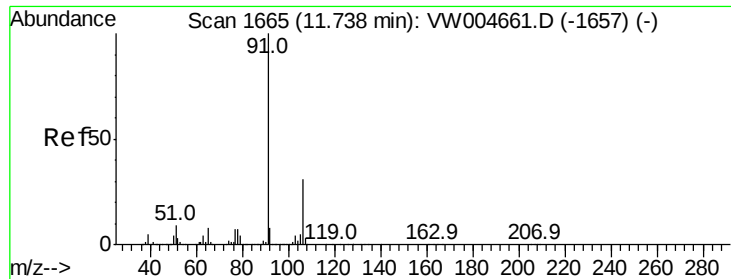
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	64.5	119.9
188	3.4	2.8	4.2



#52
Chlorobenzene
Concen: 24.763 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004675.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.5	46.0	69.0
114	32.1	22.3	41.5





#53

Ethylbenzene

Concen: 25.982 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

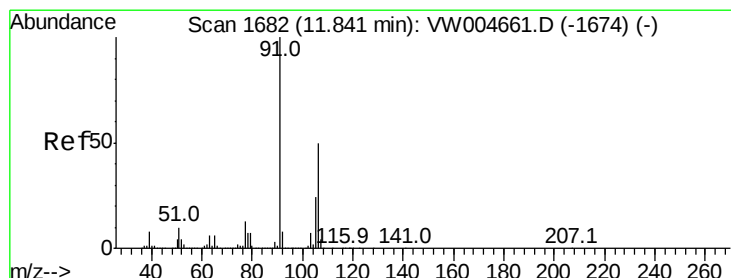
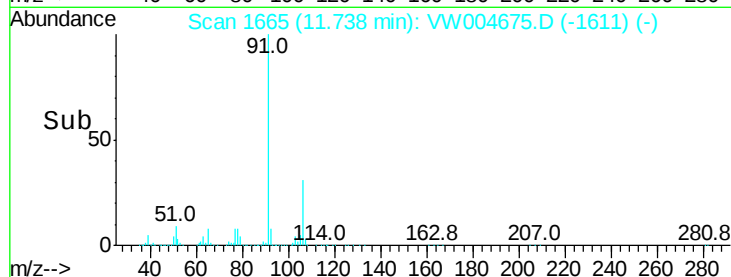
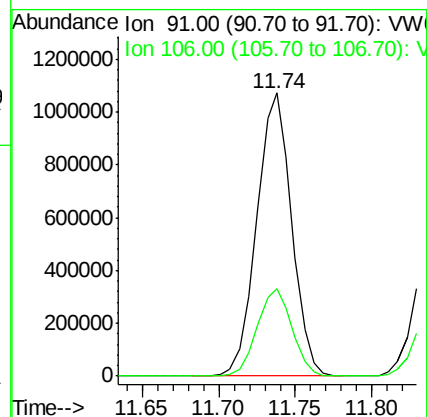
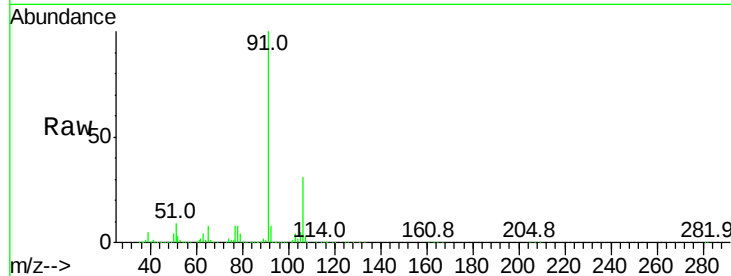
VSTD02594

Tgt Ion: 91 Resp: 1700265

Ion Ratio Lower Upper

91 100

106 30.8 22.0 40.8



#54

m,p-Xylene

Concen: 26.277 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VW004675.D

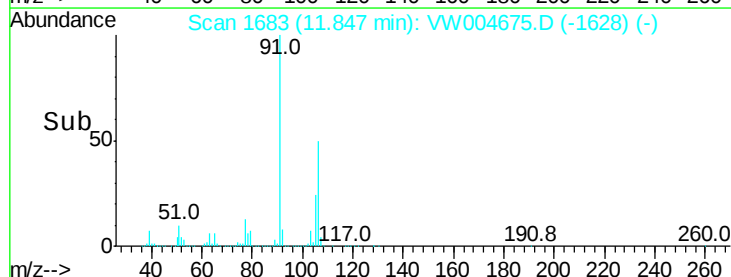
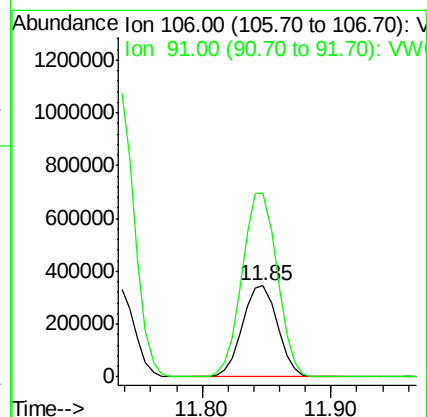
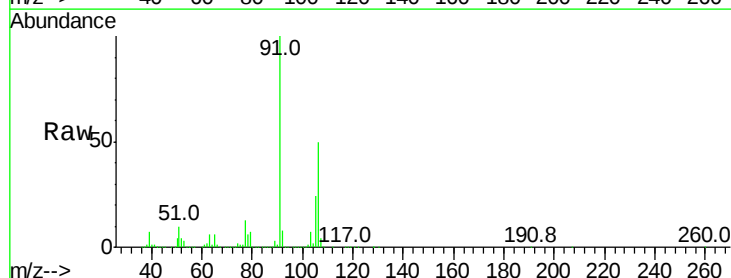
Acq: 14 Aug 2018 18:41

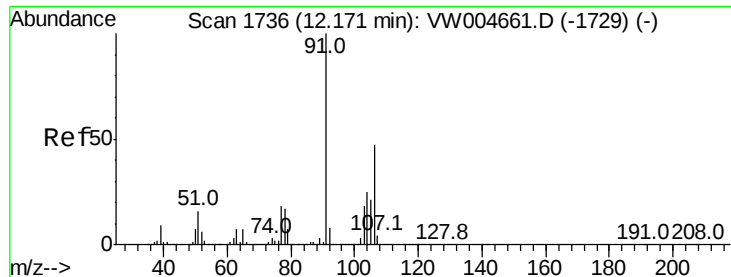
Tgt Ion: 106 Resp: 653469

Ion Ratio Lower Upper

106 100

91 201.6 139.2 258.4





#55

o-xylene

Concen: 26.208 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

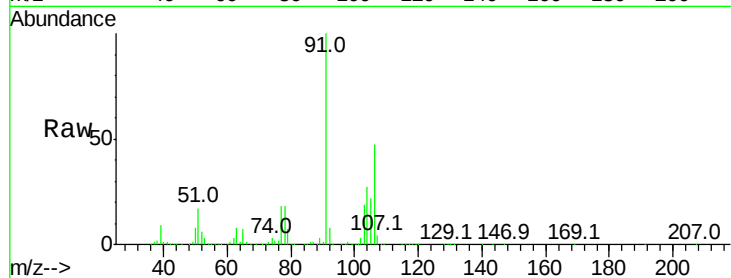
VSTD02594

Tgt Ion:106 Resp: 616005

Ion Ratio Lower Upper

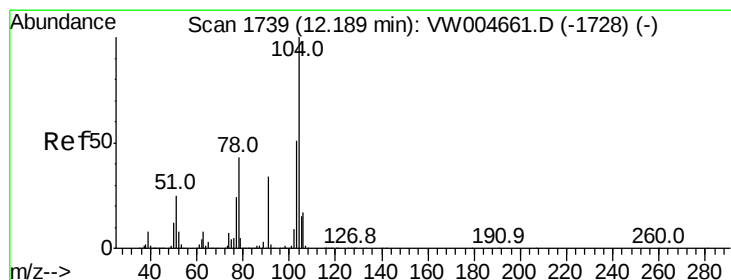
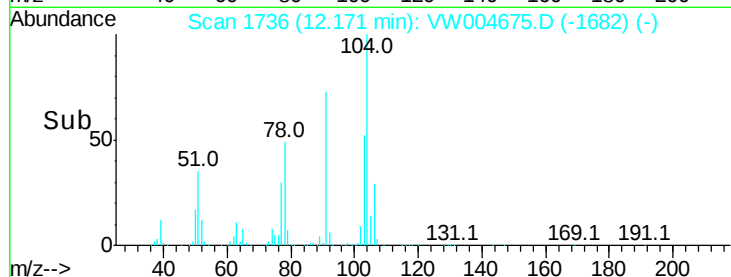
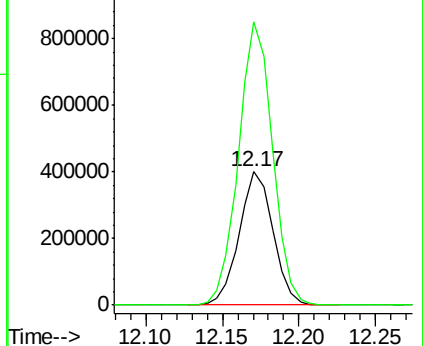
106 100

91 212.5 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.122 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004675.D

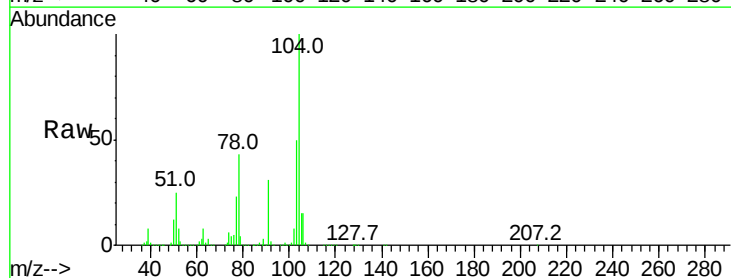
Acq: 14 Aug 2018 18:41

Tgt Ion:104 Resp: 1093465

Ion Ratio Lower Upper

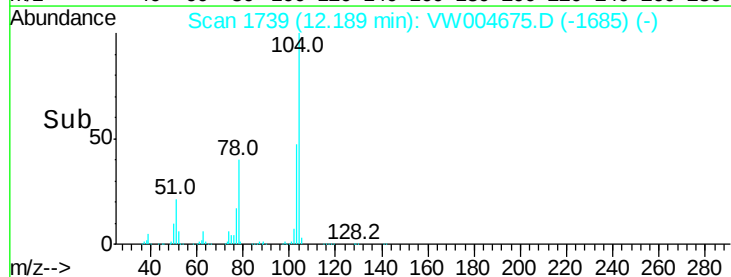
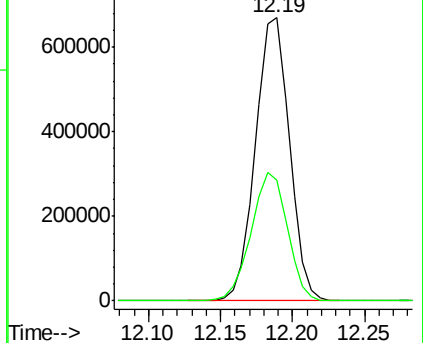
104 100

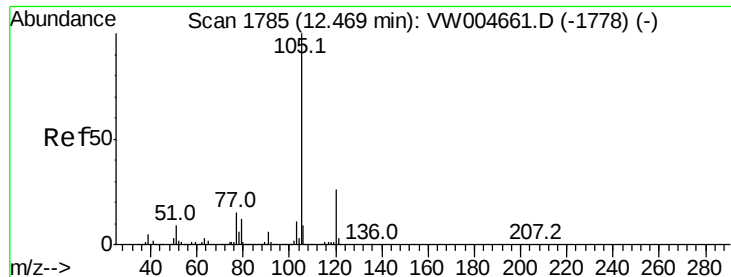
78 42.5 29.9 55.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.514 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

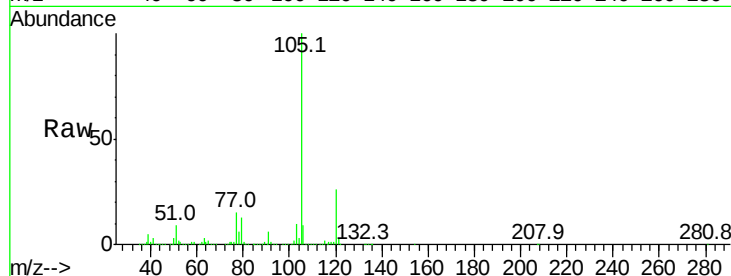
Tgt Ion:105 Resp: 1687767

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

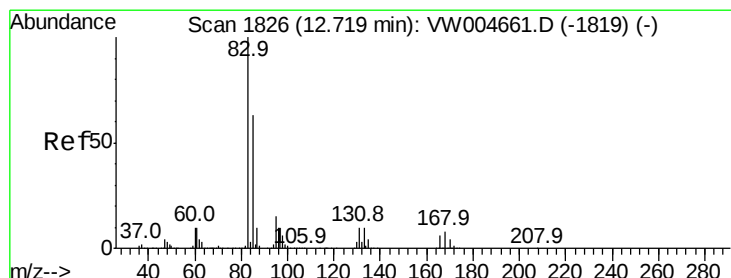
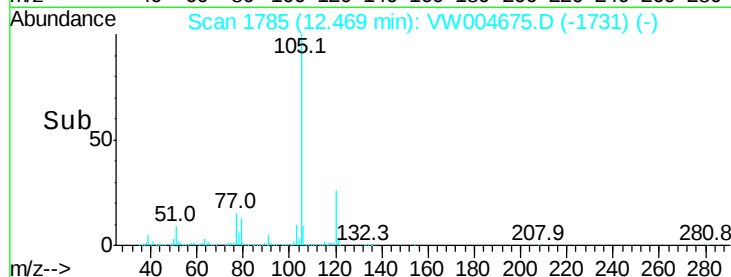
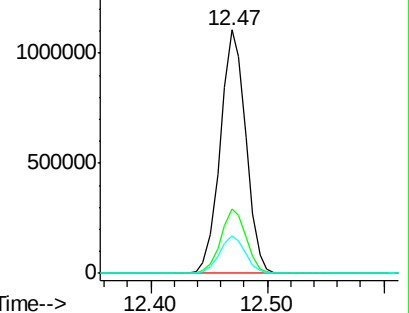
77 15.3 12.1 18.1



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: 26.823 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

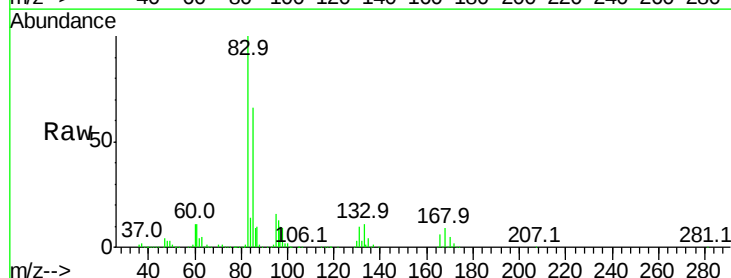
Tgt Ion: 83 Resp: 411566

Ion Ratio Lower Upper

83 100

85 65.9 44.4 82.5

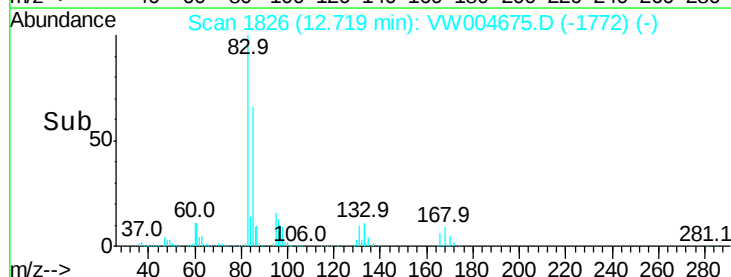
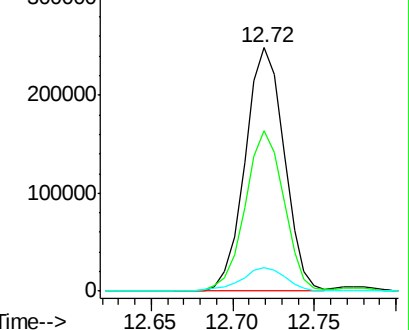
131 9.7 8.2 12.4

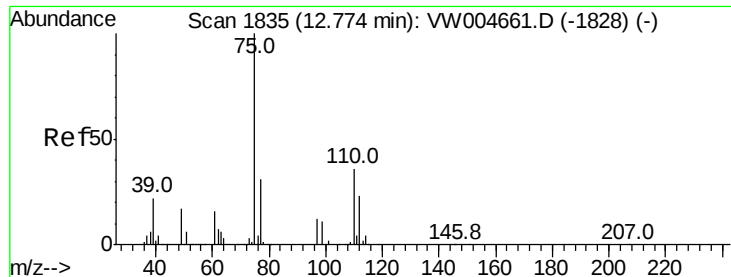


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.155 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

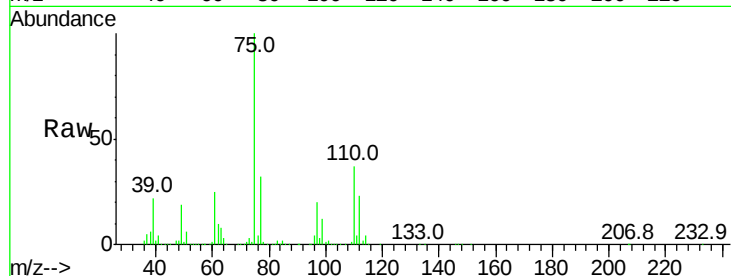
VSTD02594

Tgt Ion: 75 Resp: 306747

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

150000

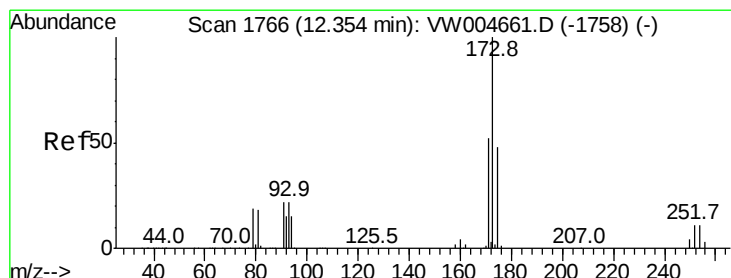
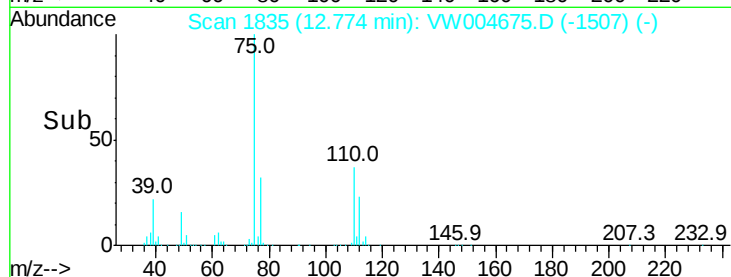
100000

50000

0

Time-->

12.70 12.80



#62

Bromoform

Concen: 25.777 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

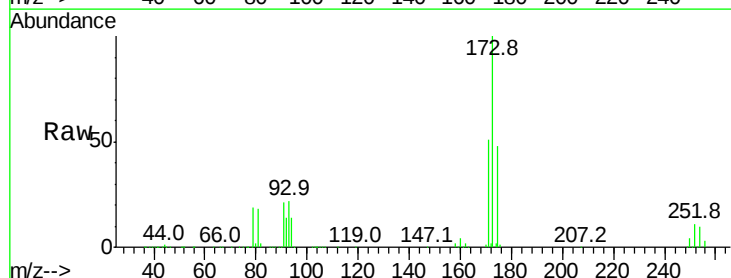
Tgt Ion: 173 Resp: 209493

Ion Ratio Lower Upper

173 100

175 48.5 39.2 58.8

254 10.7 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

150000

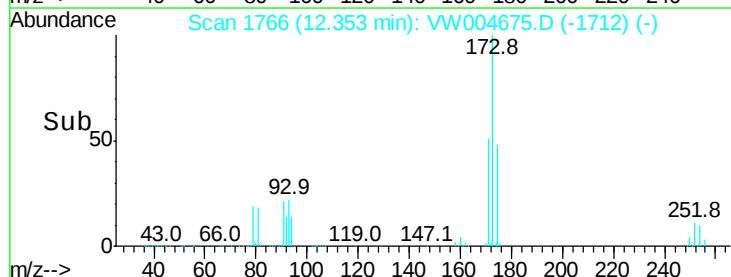
100000

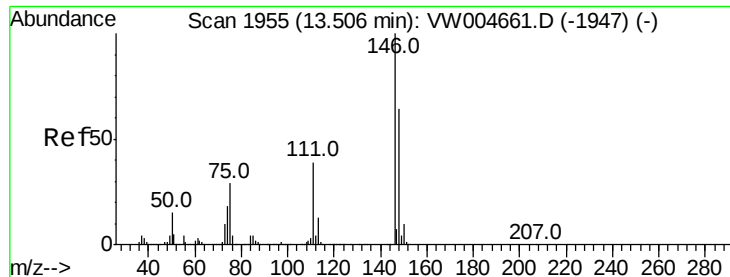
50000

0

Time-->

12.30 12.40





#63

1,3-Dichlorobenzene

Concen: 24.810 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

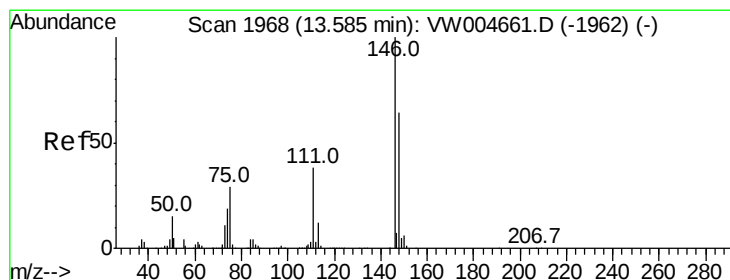
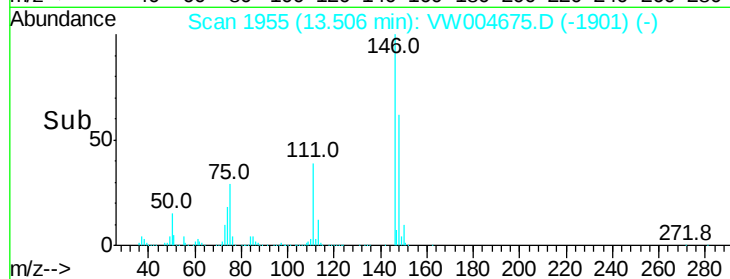
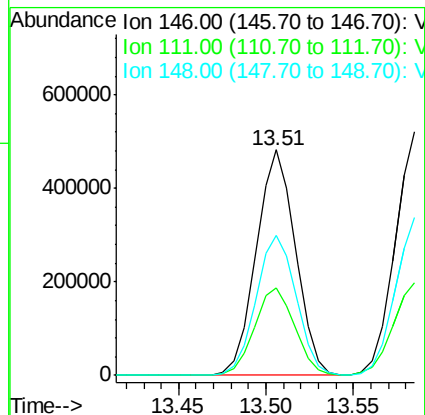
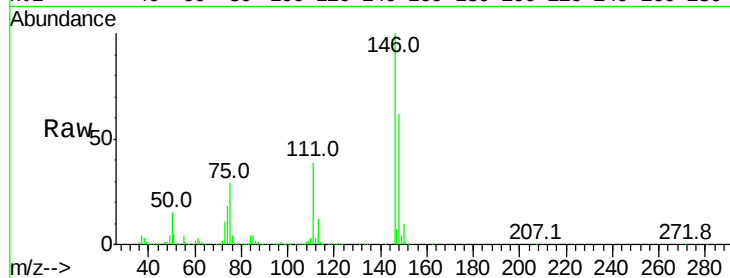
Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

Tgt Ion:	146	Resp:	752427
Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.5	51.1
148	62.3	45.1	83.9



#64

1,4-Dichlorobenzene

Concen: 24.551 ug/L

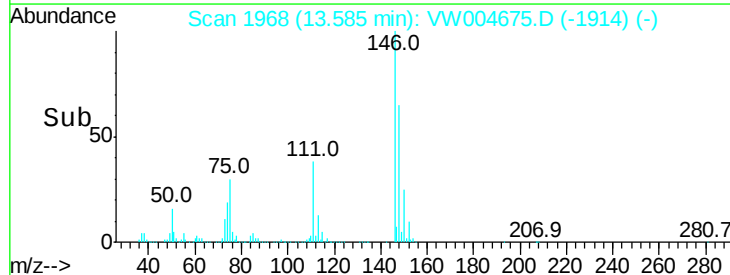
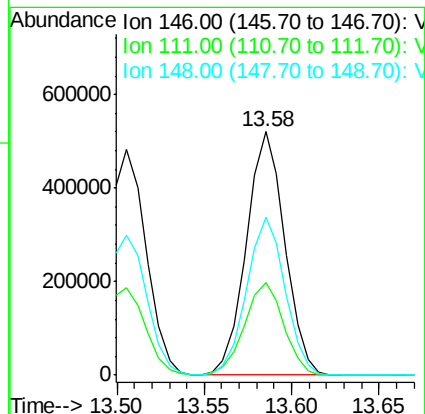
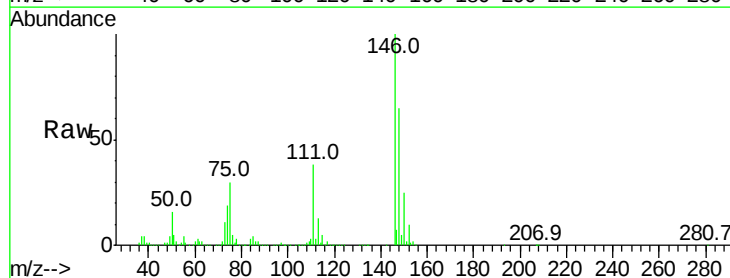
RT: 13.58 min Scan# 1968

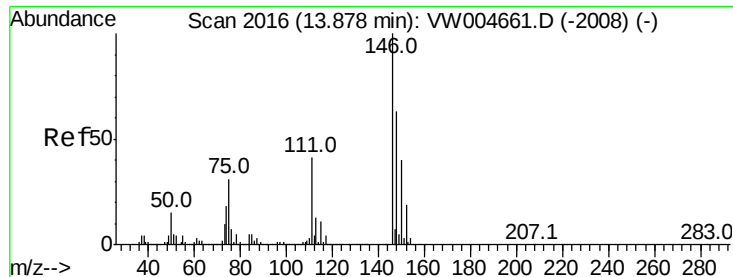
Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	146	Resp:	795331
Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.7	49.5
148	65.0	44.8	83.2

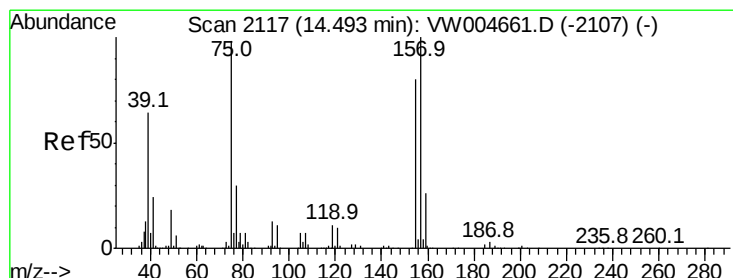
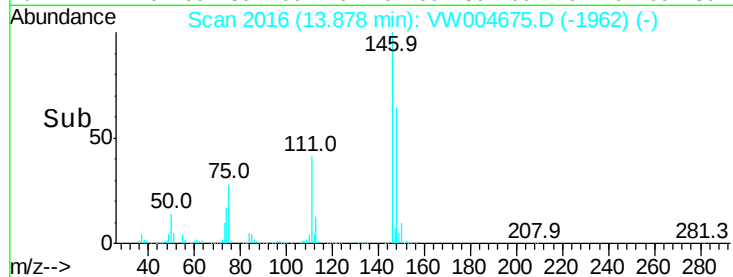
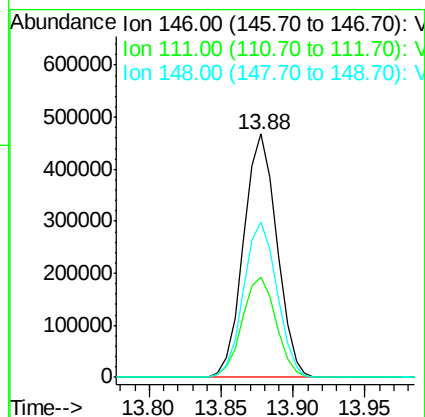
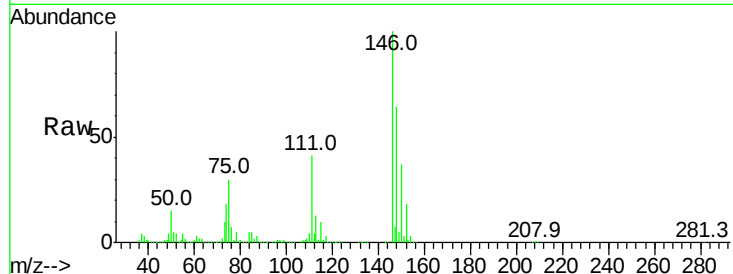




#65
 1,2-Dichlorobenzene
 Concen: 25.060 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

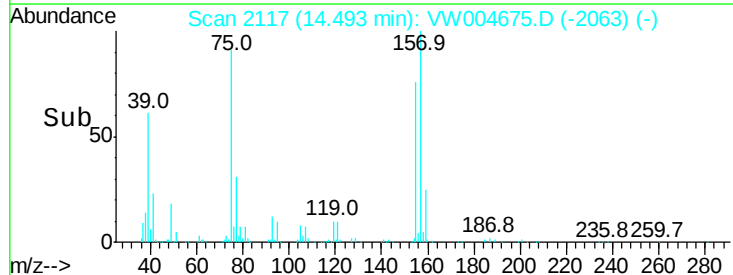
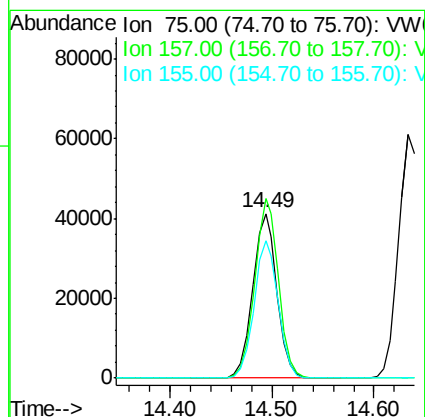
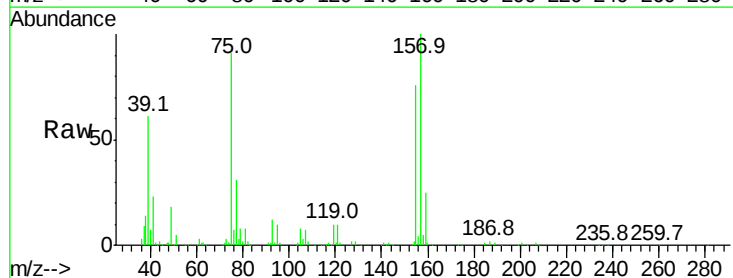
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

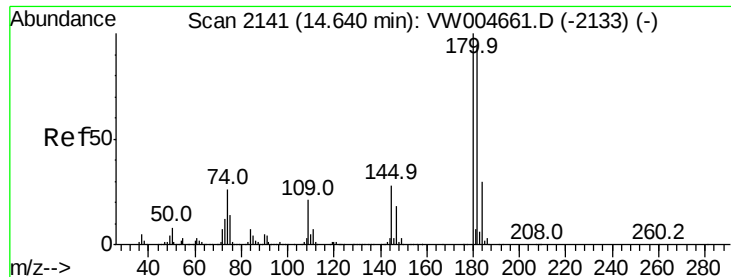
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.9	49.3
148	64.0	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.959 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
157	109.6	81.8	122.8
155	83.5	65.4	98.0

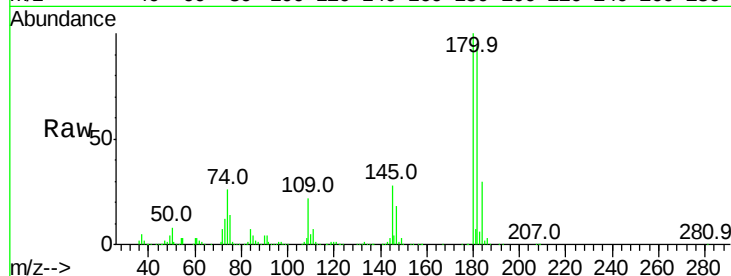




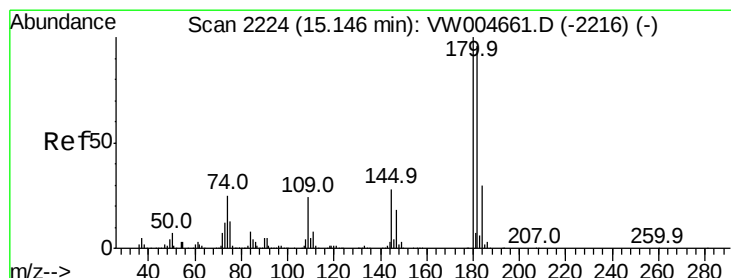
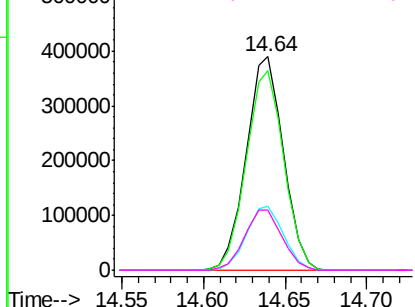
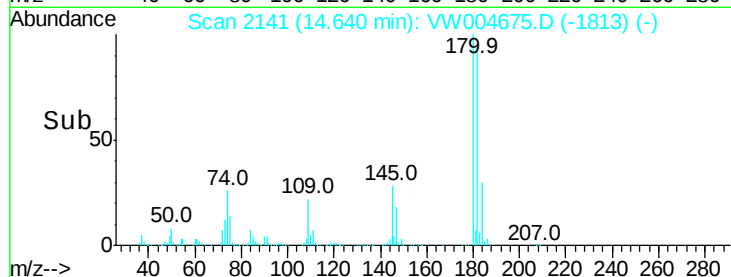
#67
 1,3,5-Trichlorobenzene
 Concen: 25.316 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02594

Tgt Ion:180 Resp: 617637
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.1 114.1
 184 30.2 24.2 36.4
 145 28.5 22.6 34.0

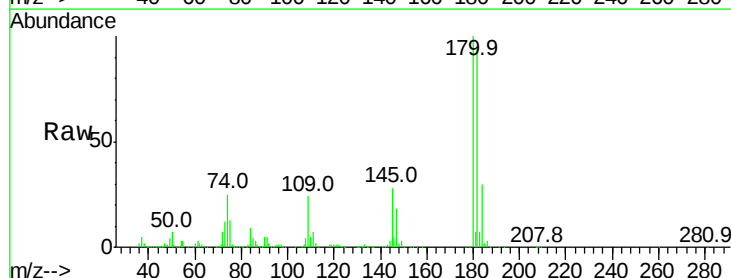


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

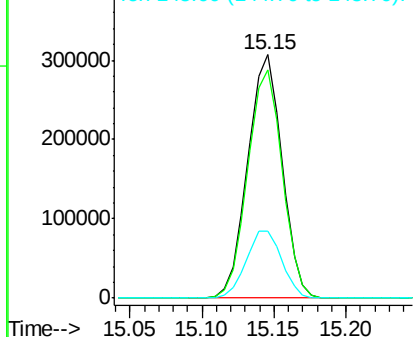
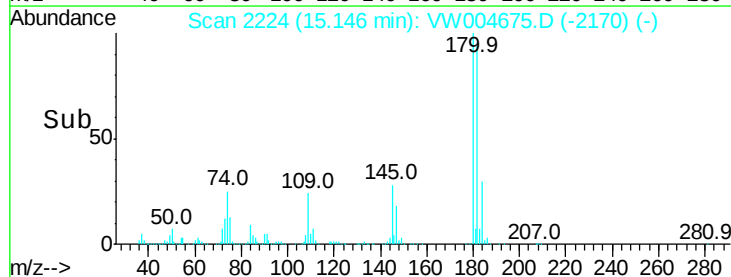


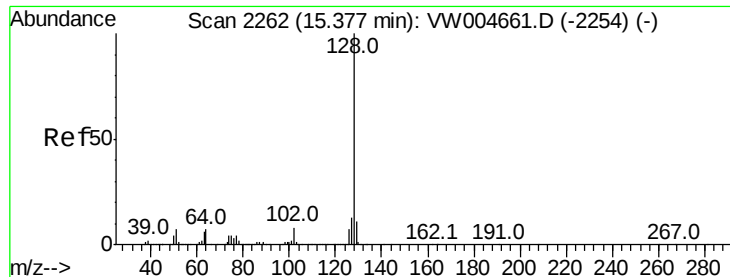
#68
 1,2,4-trichlorobenzene
 Concen: 25.488 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004675.D
 Acq: 14 Aug 2018 18:41

Tgt Ion:180 Resp: 503749
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.7 115.1
 145 28.7 23.4 35.2



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: 27.847 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_W

ClientSampleId :

VSTD02594

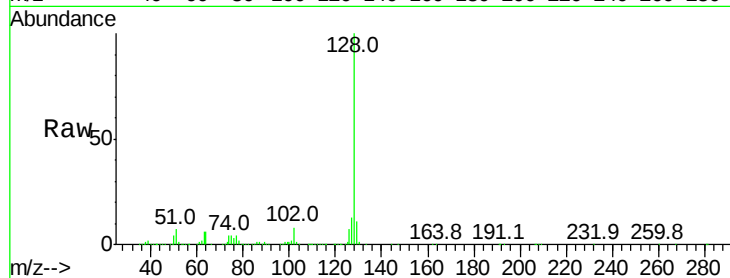
Tgt Ion:128 Resp: 1132795

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

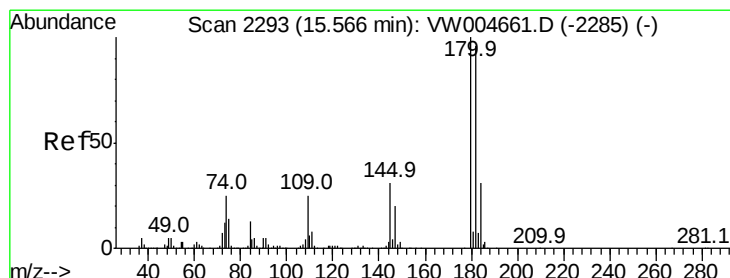
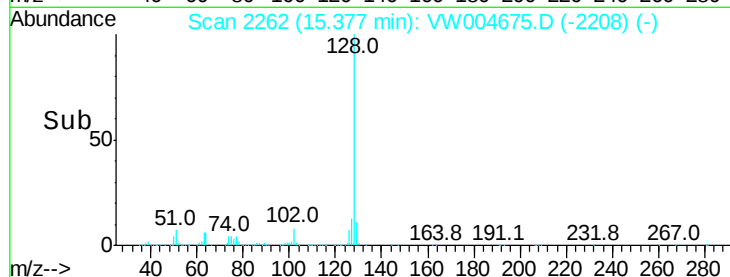
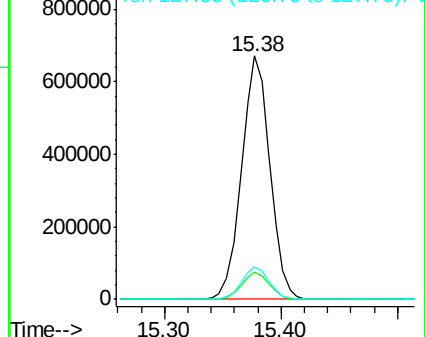
127 13.2 10.6 15.8



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: 26.387 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004675.D

Acq: 14 Aug 2018 18:41

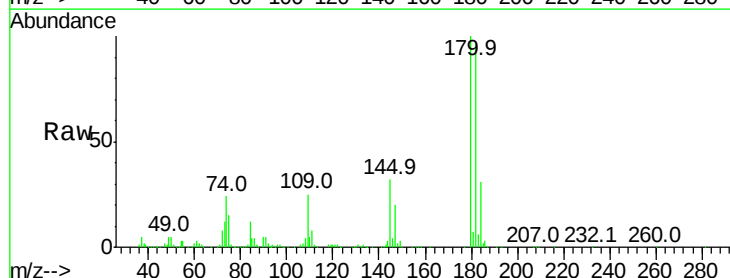
Tgt Ion:180 Resp: 497779

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.8

145 31.7 24.4 36.6



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

