

Data File : VW004661.D
Acq On : 14 Aug 2018 10:37
Operator : SY/AP
Sample : VSTD02591
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

Quant Time: Aug 14 11:08:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 14 10:12:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	981087	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	954555	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	488107	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	374620	30.70	ug/L	0.00
7) Chloroethane-d5	2.90	69	288646	28.12	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	694383	28.02	ug/L	0.00
20) 2-Butanone-d5	7.09	46	215281	40.01	ug/L	0.00
24) Chloroform-d	7.65	84	633929	23.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	338431	22.85	ug/L	0.00
29) Benzene-d6	8.28	84	1313712	25.87	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	395627	23.84	ug/L	0.00
37) Toluene-d8	10.33	98	1201112	26.83	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	164776	24.14	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	175109	43.34	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	387557	21.53	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	444440	24.24	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	311731	30.561	ug/L	99
3) Chloromethane	2.22	50	321677	23.875	ug/L	97
5) Vinyl chloride	2.37	62	496394	28.234	ug/L	99
6) Bromomethane	2.79	94	277957	27.336	ug/L	99
8) Chloroethane	2.93	64	279004	26.452	ug/L	96
9) Trichlorofluoromethane	3.26	101	247489	30.861	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	380141	27.301	ug/L	98
12) 1,1-Dichloroethene	4.04	96	363969	26.755	ug/L	92
13) Acetone	4.14	43	191265	41.030	ug/L	97
14) Carbon disulfide	4.38	76	1276471	30.591	ug/L	99
15) Methyl Acetate	4.68	43	219710	23.124	ug/L	100
16) Methylene chloride	4.92	84	406884	20.880	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	484932	26.335	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	372466	26.773	ug/L	98
19) 1,1-Dichloroethane	6.22	63	662409	25.092	ug/L	98
21) 2-Butanone	7.18	43	274394	43.004	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	396052	26.083	ug/L	97
23) Bromochloromethane	7.52	128	184575	25.397	ug/L	95
25) Chloroform	7.68	83	657306	24.393	ug/L	100
27) 1,2-Dichloroethane	8.40	62	428959	23.696	ug/L	99
30) Cyclohexane	7.96	56	664703	29.445	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	534991	26.379	ug/L	98
32) Carbon tetrachloride	8.07	117	507543	25.967	ug/L	100
34) Benzene	8.33	78	1527996	25.963	ug/L	100
35) Trichloroethene	9.10	95	375764	25.383	ug/L	98
36) Methylcyclohexane	9.34	83	756042	29.094	ug/L	99
40) 1,2-Dichloropropane	9.37	63	382711	24.553	ug/L	99
41) Bromodichloromethane	9.65	83	441205	23.564	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	543392	25.484	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	552083	47.238	ug/L	99

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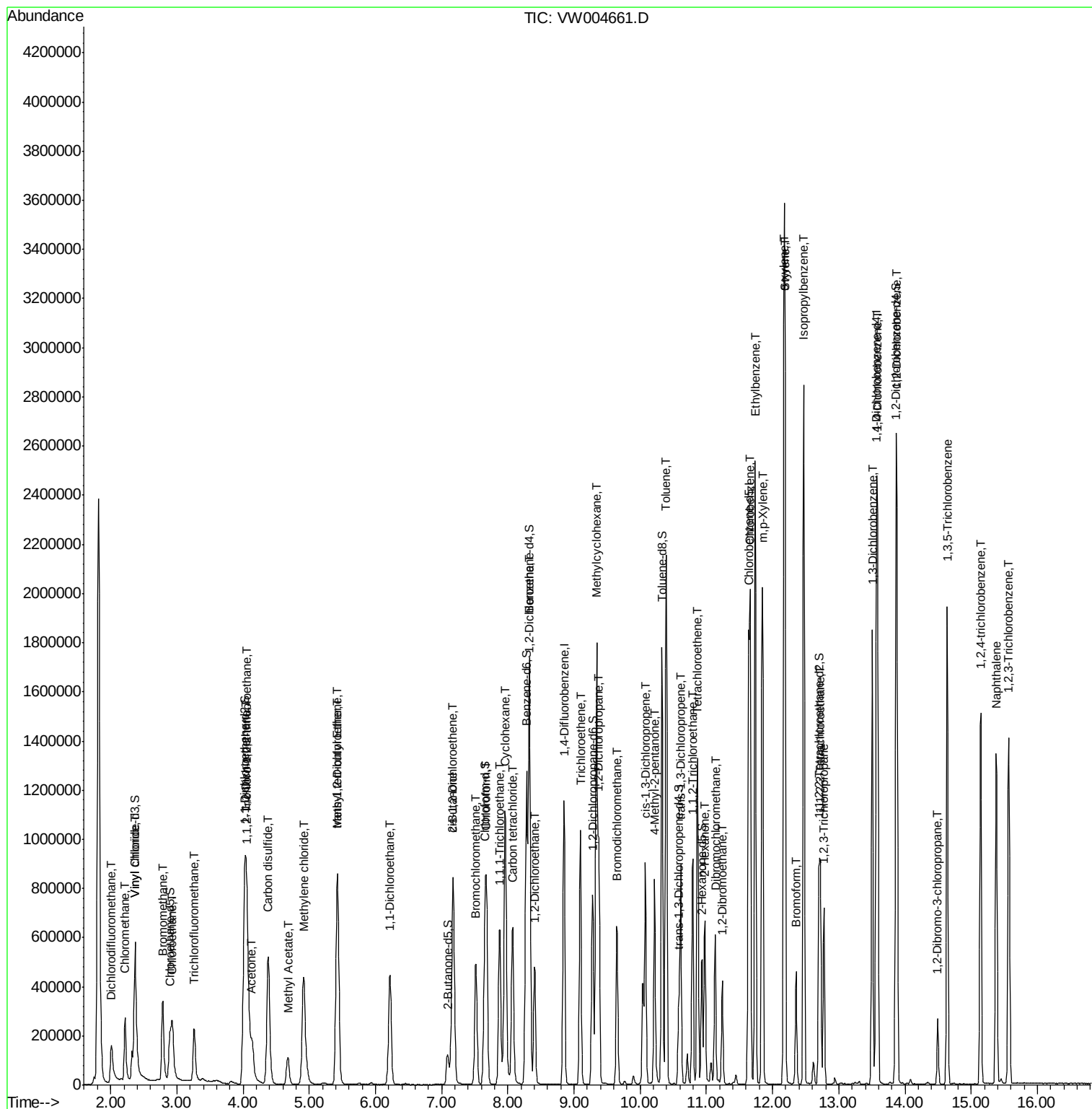
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1603688	27.078	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	487897	25.455	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	296084	24.434	ug/L	98
47) Tetrachloroethene	10.87	164	316825	27.049	ug/L	99
49) 2-Hexanone	10.98	43	412425	46.958	ug/L	98
50) Dibromochloromethane	11.13	129	331976	24.696	ug/L	99
51) 1,2-Dibromoethane	11.24	107	288772	24.861	ug/L	97
52) Chlorobenzene	11.66	112	1025078	25.593	ug/L	99
53) Ethylbenzene	11.74	91	1787565	26.859	ug/L	99
54) m,p-Xylene	11.84	106	686780	27.659	ug/L	96
55) o-xylene	12.17	106	645890	27.453	ug/L	98
56) Styrene	12.19	104	1144092	27.907	ug/L	98
57) Isopropylbenzene	12.47	105	1773353	27.846	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	410816	23.358	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	309167	23.536	ug/L	99
62) Bromoform	12.35	173	215615	24.306	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	784048	25.815	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	830667	25.448	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	778761	25.590	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	67657	21.643	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	635127	26.379	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	521820	26.790	ug/L	100
69) Naphthalene	15.38	128	1156171	26.027	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	516640	27.236	ug/L	99

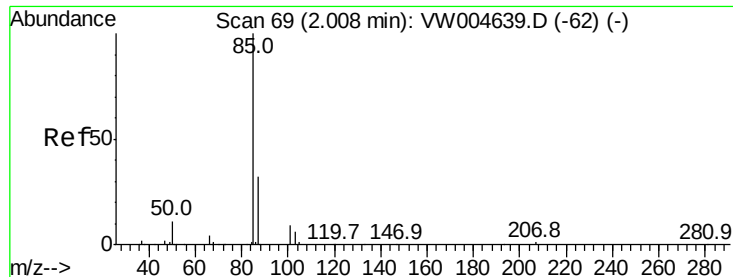
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 30.561 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

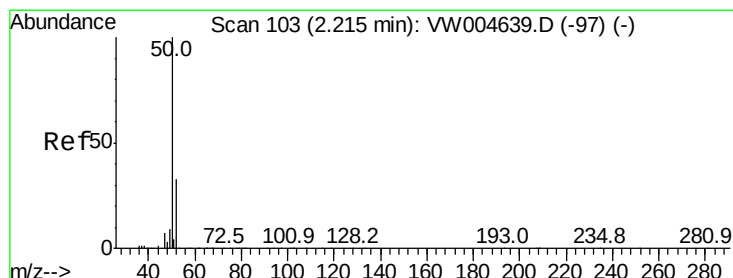
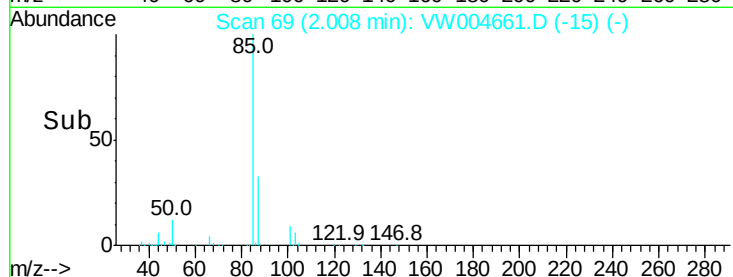
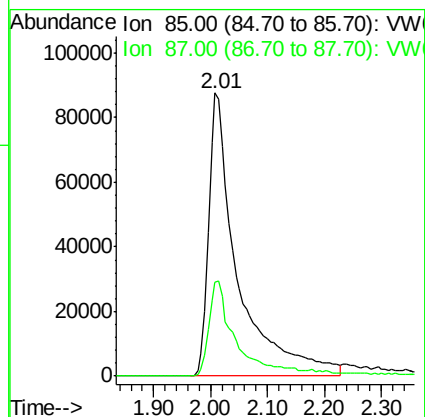
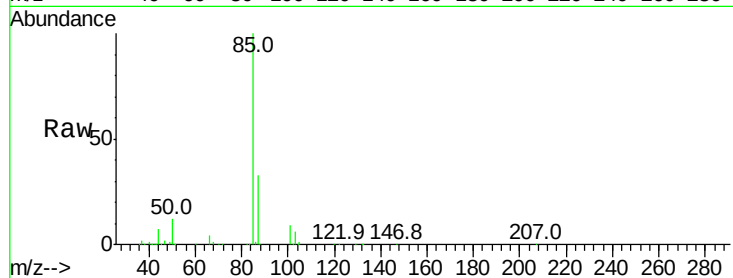
VSTD02592

Tgt Ion: 85 Resp: 311731

Ion Ratio Lower Upper

85 100

87 28.5 20.2 37.4



#3

Chloromethane

Concen: 23.875 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004661.D

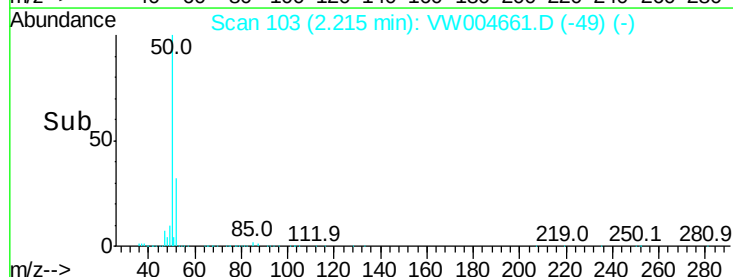
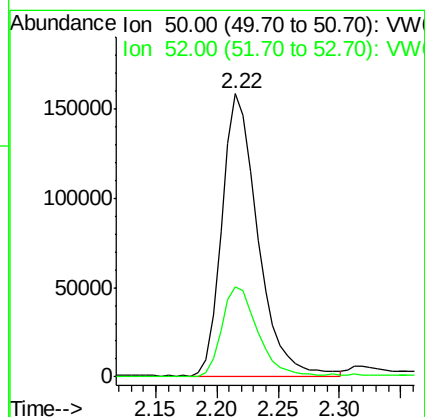
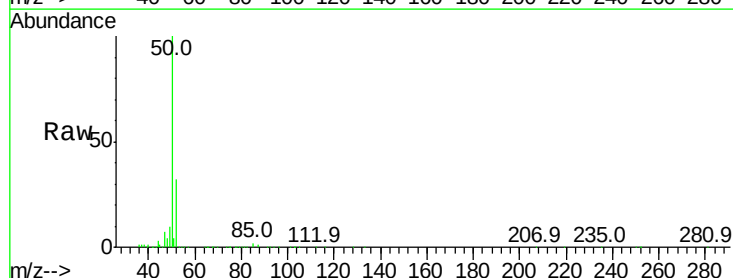
Acq: 14 Aug 2018 10:37

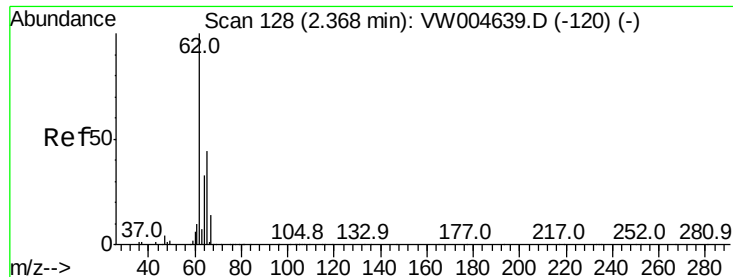
Tgt Ion: 50 Resp: 321677

Ion Ratio Lower Upper

50 100

52 32.0 23.4 43.6





#5

Vinyl chloride

Concen: 28.234 ug/L

RT: 2.37 min Scan# 129

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

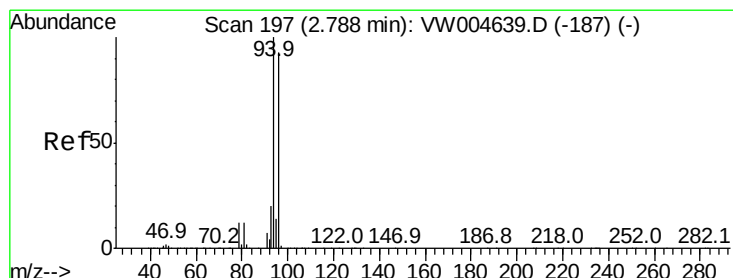
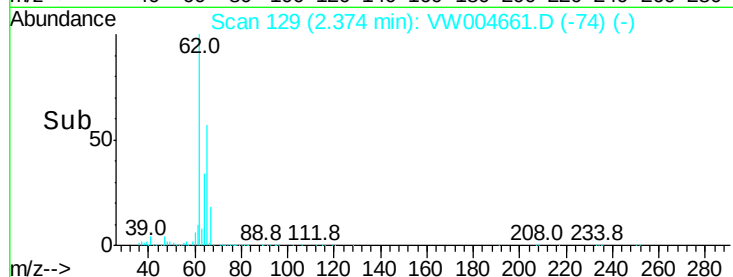
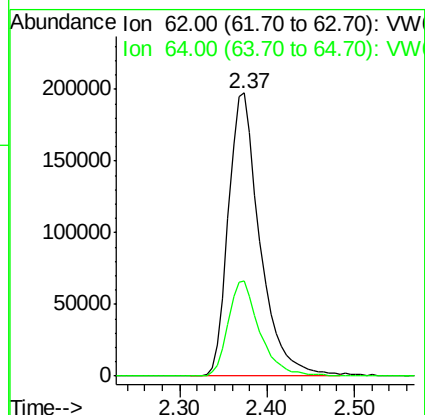
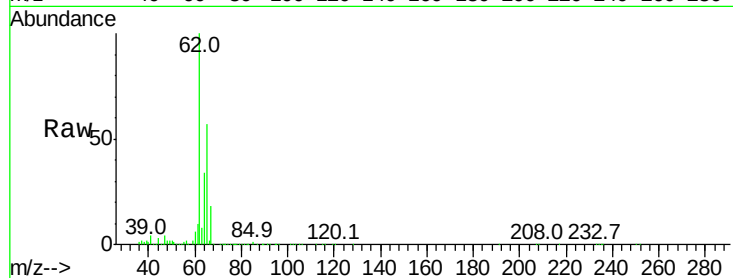
VSTD02592

Tgt Ion: 62 Resp: 496394

Ion Ratio Lower Upper

62 100

64 33.8 24.0 44.6



#6

Bromomethane

Concen: 27.336 ug/L

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004661.D

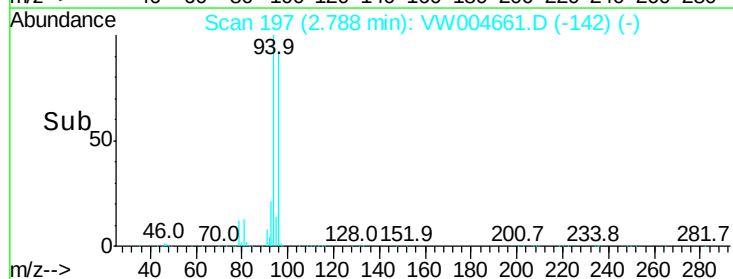
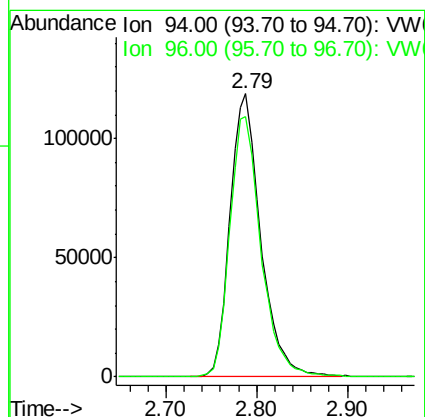
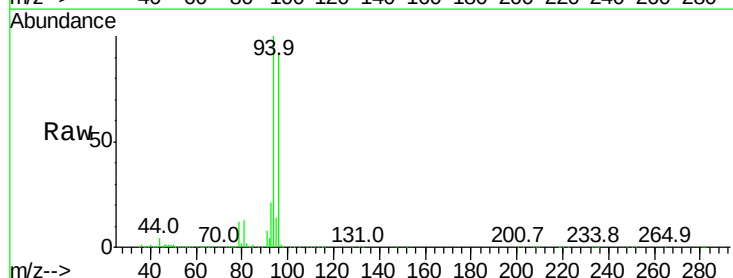
Acq: 14 Aug 2018 10:37

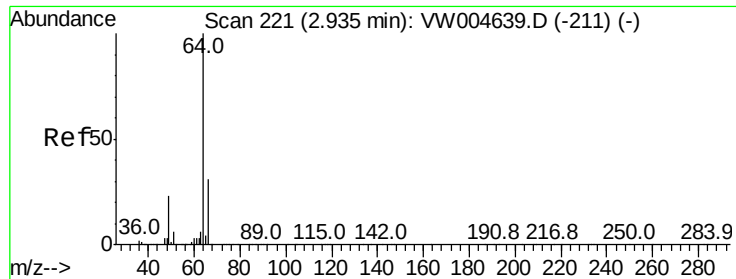
Tgt Ion: 94 Resp: 277957

Ion Ratio Lower Upper

94 100

96 93.5 9.2 175.2





#8

Chloroethane

Concen: 26.452 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

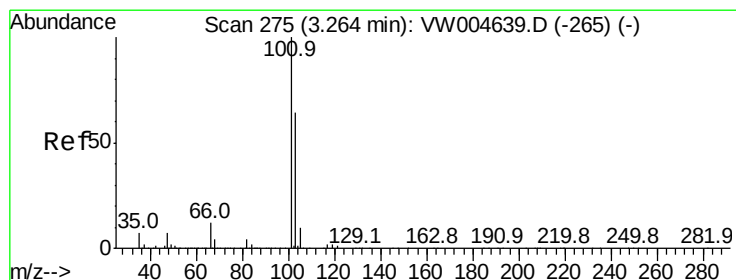
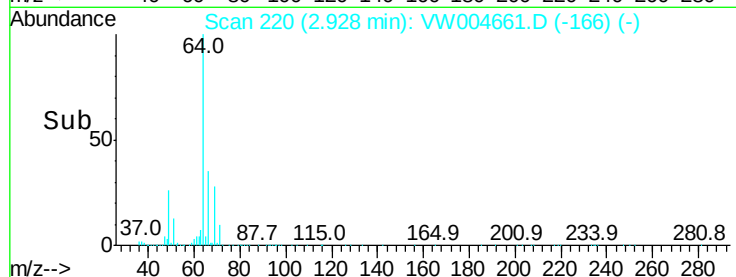
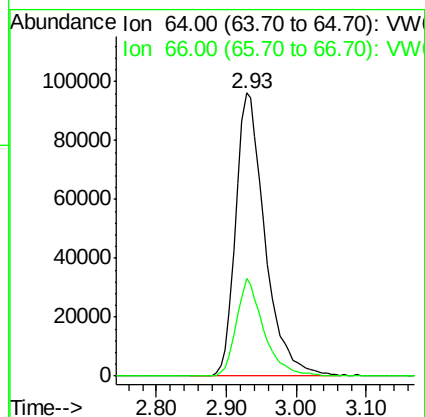
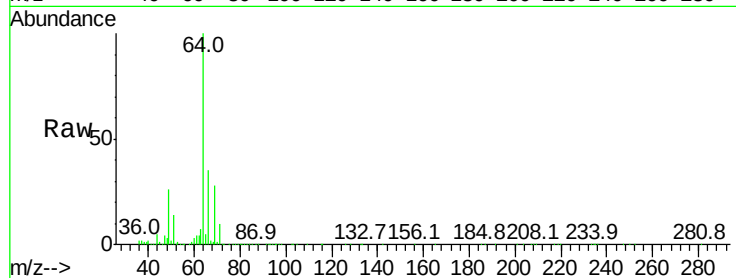
VSTD02592

Tgt Ion: 64 Resp: 279004

Ion Ratio Lower Upper

64 100

66 34.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 30.861 ug/L

RT: 3.26 min Scan# 274

Delta R.T. -0.00 min

Lab File: VW004661.D

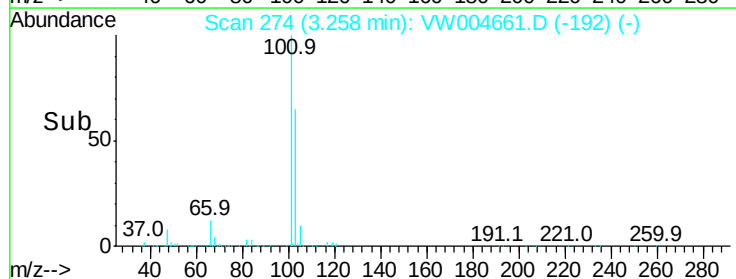
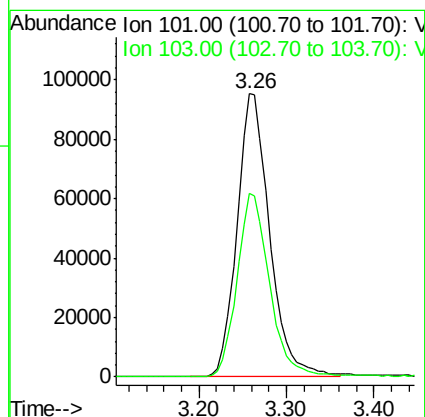
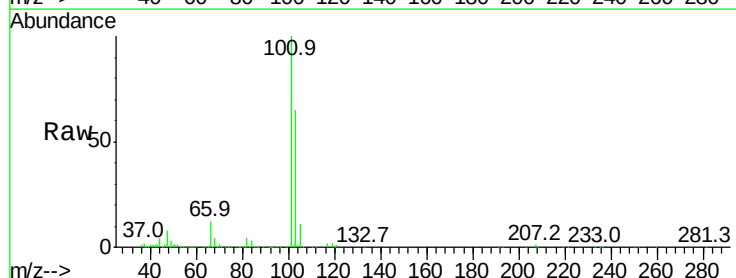
Acq: 14 Aug 2018 10:37

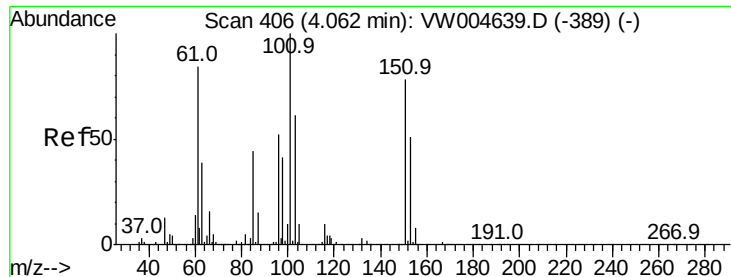
Tgt Ion: 101 Resp: 247489

Ion Ratio Lower Upper

101 100

103 64.4 45.3 84.1





#11

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

Concen: 27.301 ug/L

RT: 4.06 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

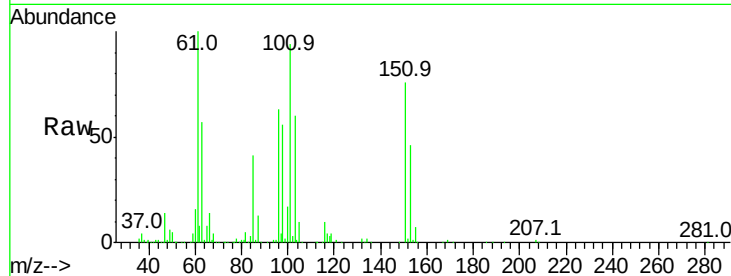
Tgt Ion:101 Resp: 380141

Ion Ratio Lower Upper

101 100

85 41.5 35.6 53.4

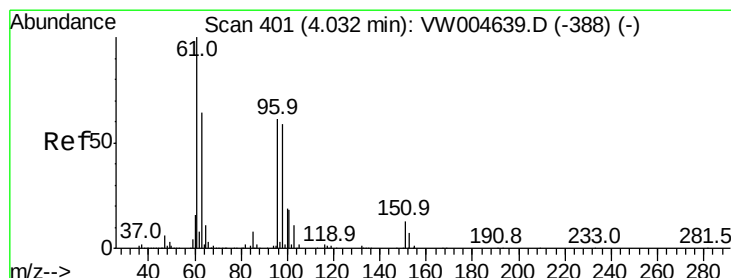
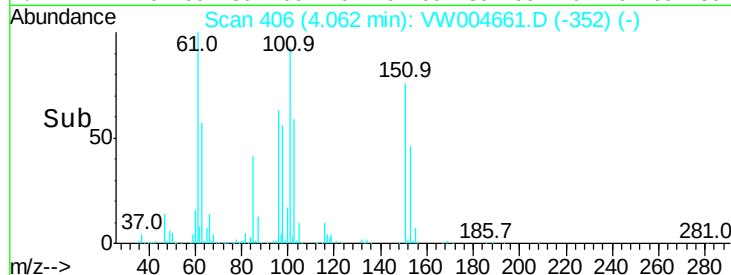
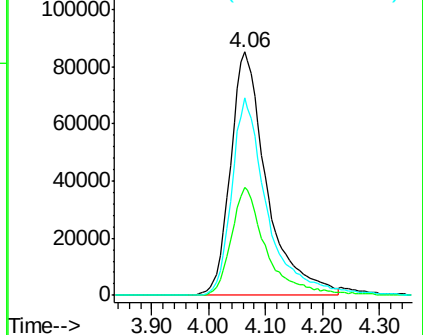
151 78.8 62.6 94.0



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: 26.755 ug/L

RT: 4.04 min Scan# 402

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

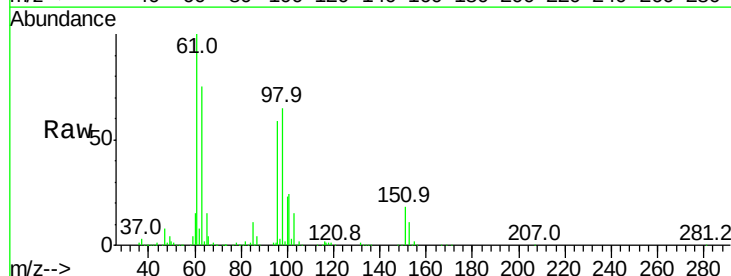
Tgt Ion: 96 Resp: 363969

Ion Ratio Lower Upper

96 100

61 169.8 115.9 215.3

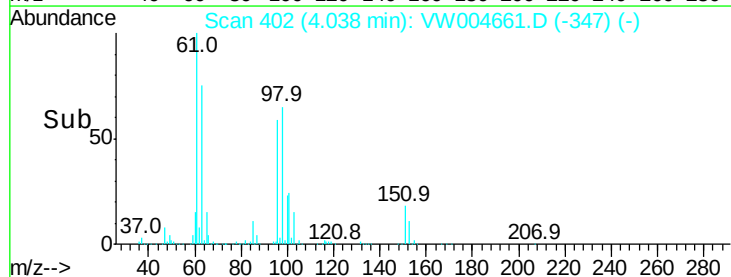
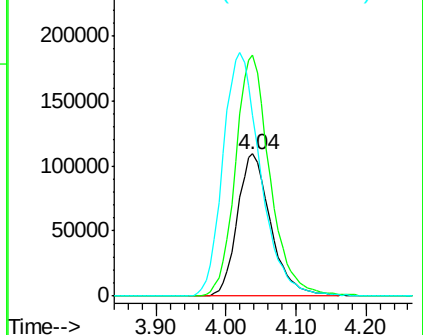
63 127.0 78.0 144.9

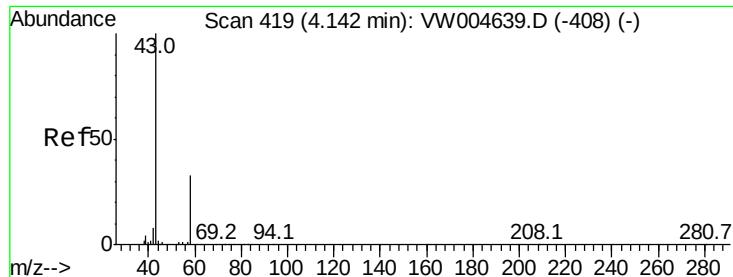


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.030 ug/L

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

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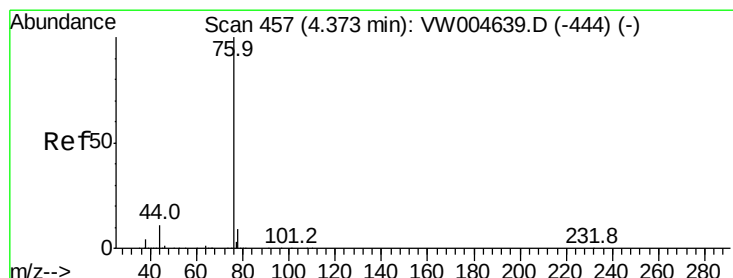
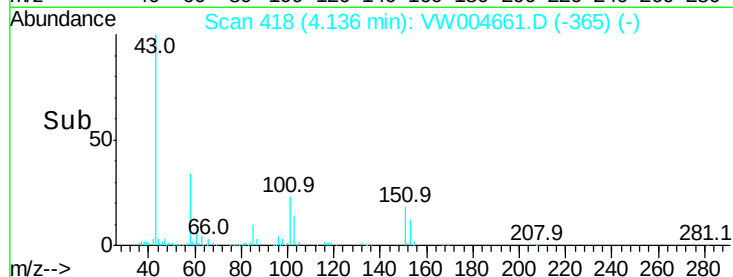
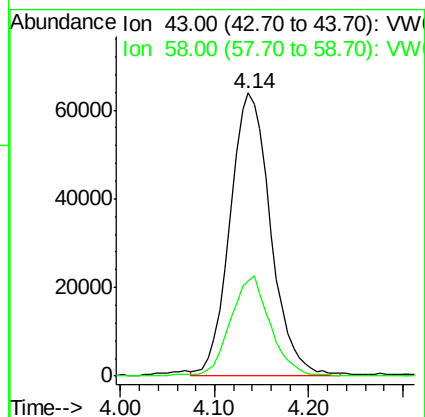
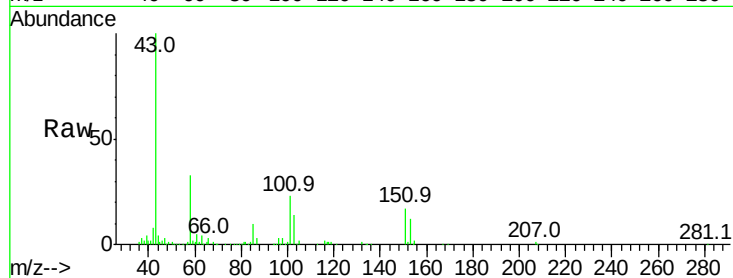
VSTD02592

Tgt Ion: 43 Resp: 191265

Ion Ratio Lower Upper

43 100

58 34.7 0.0 66.4



#14

Carbon disulfide

Concen: 30.591 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004661.D

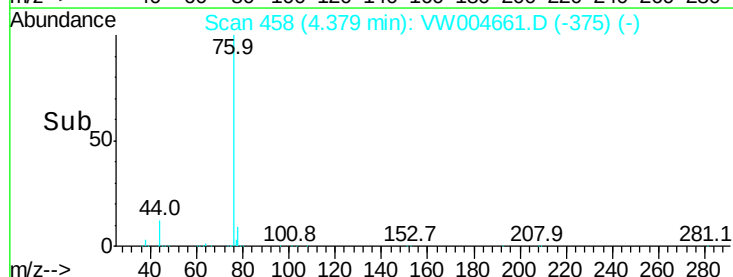
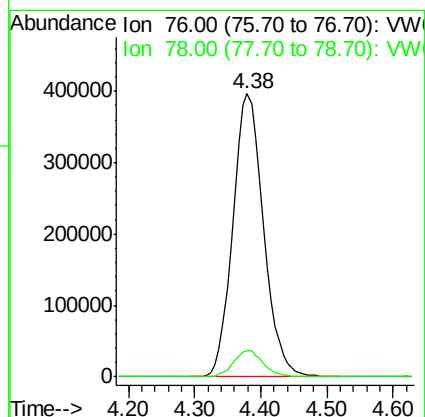
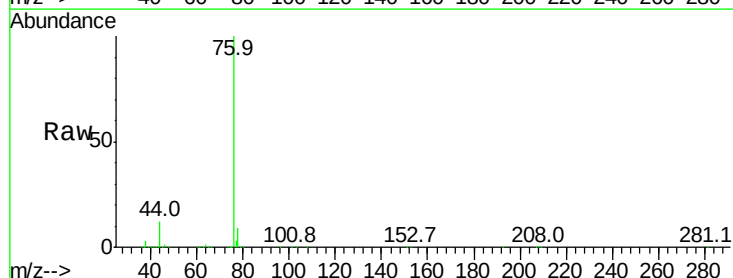
Acq: 14 Aug 2018 10:37

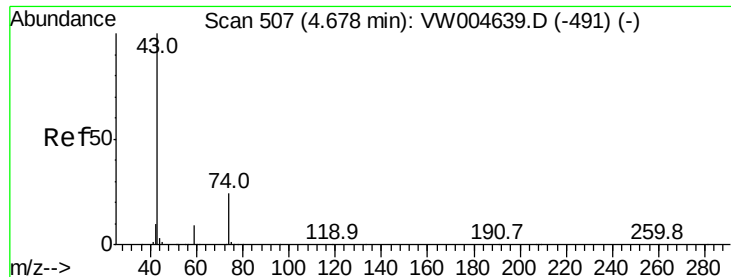
Tgt Ion: 76 Resp: 1276471

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 23.124 ug/L

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

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ClientSampleId :

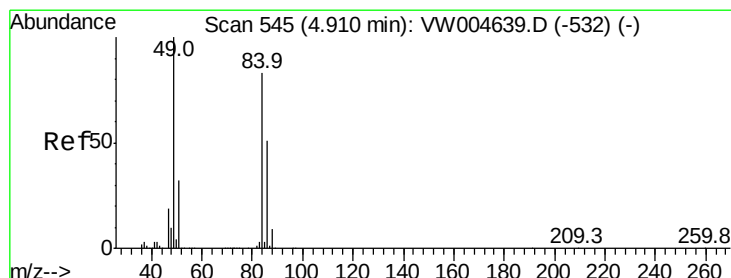
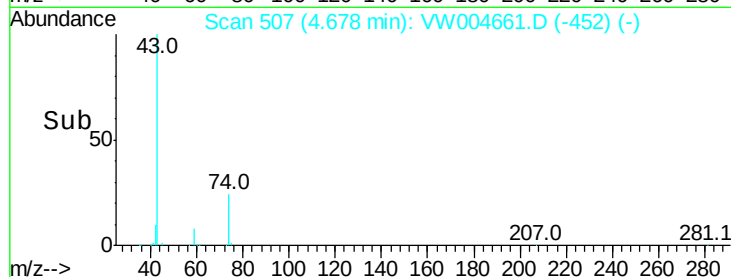
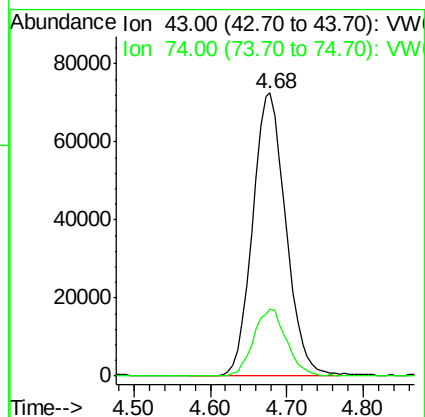
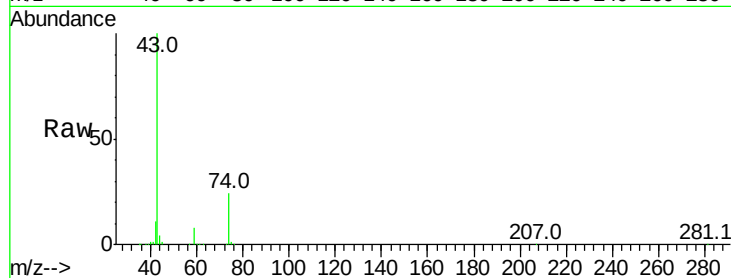
VSTD02592

Tgt Ion: 43 Resp: 219710

Ion Ratio Lower Upper

43 100

74 23.5 18.6 28.0



#16

Methylene chloride

Concen: 20.880 ug/L

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

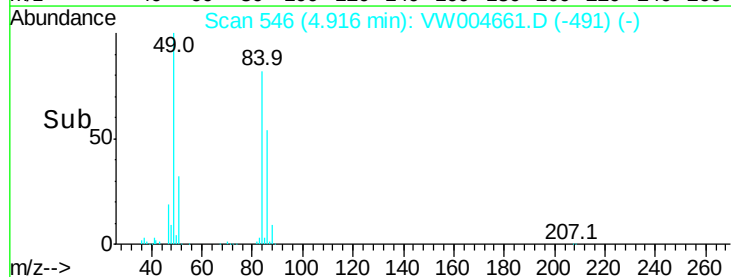
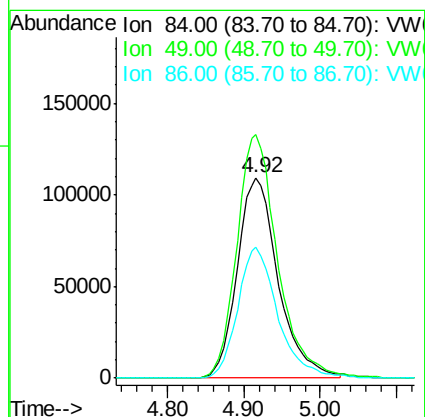
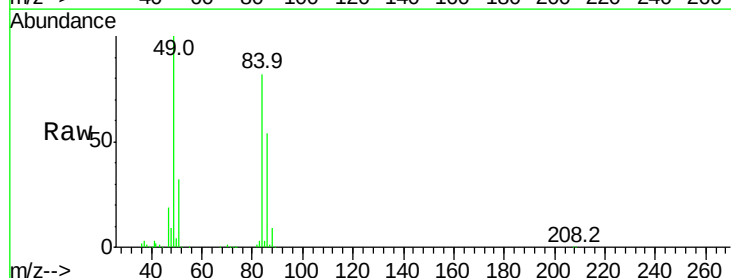
Tgt Ion: 84 Resp: 406884

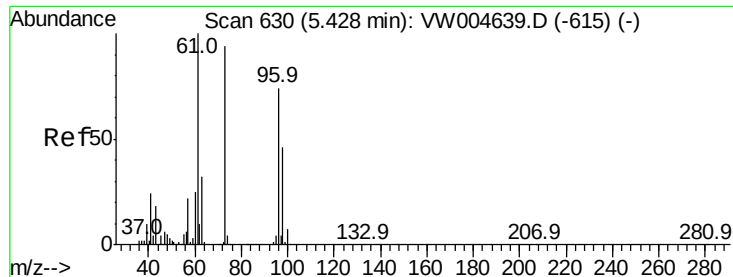
Ion Ratio Lower Upper

84 100

49 121.3 86.0 159.6

86 65.3 43.5 80.9

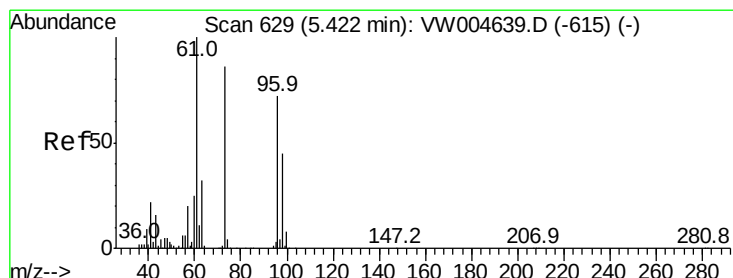
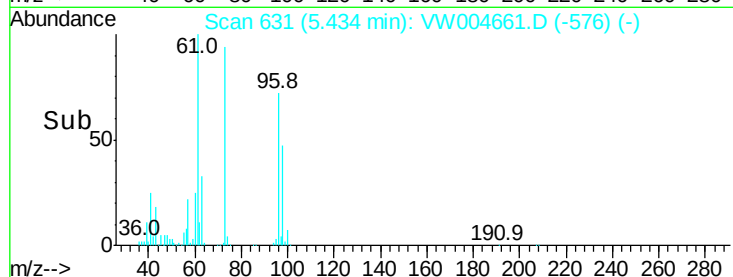
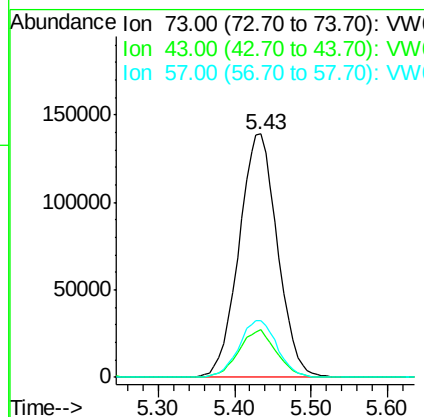
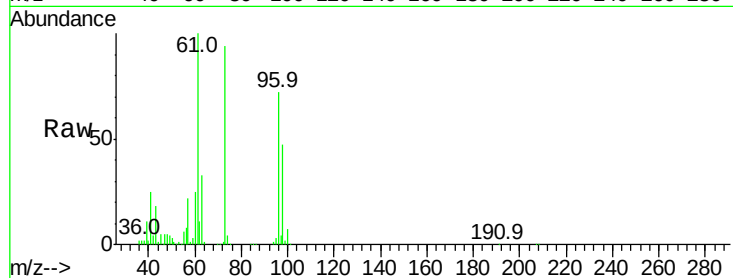




#17
Methyl tert-butyl Ether
Concen: 26.335 ug/L
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

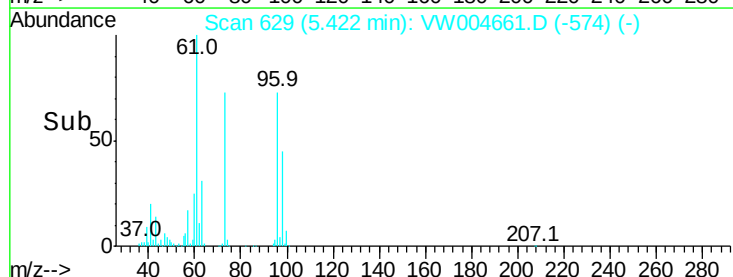
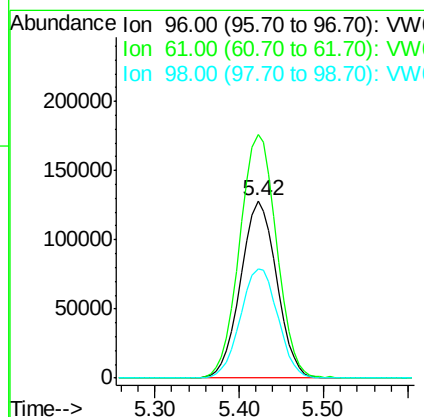
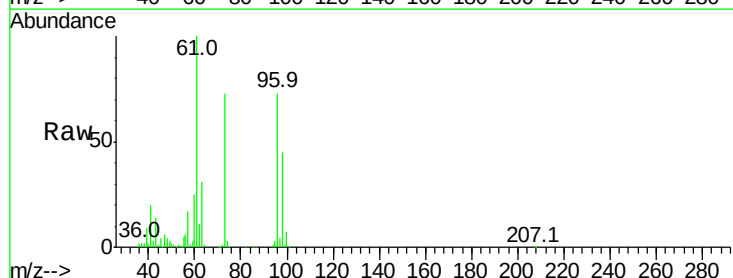
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

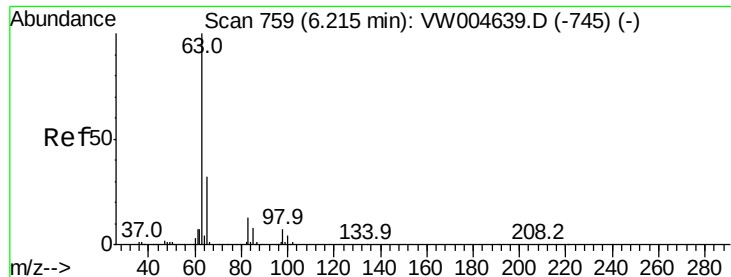
Tgt Ion: 73 Resp: 484932
Ion Ratio Lower Upper
73 100
43 18.8 16.2 24.2
57 23.2 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 26.773 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

Tgt Ion: 96 Resp: 372466
Ion Ratio Lower Upper
96 100
61 137.3 97.9 181.7
98 61.9 43.0 79.8





#19

1,1-Dichloroethane

Concen: 25.092 ug/L

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

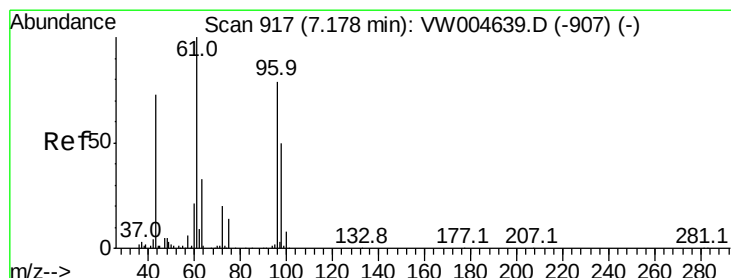
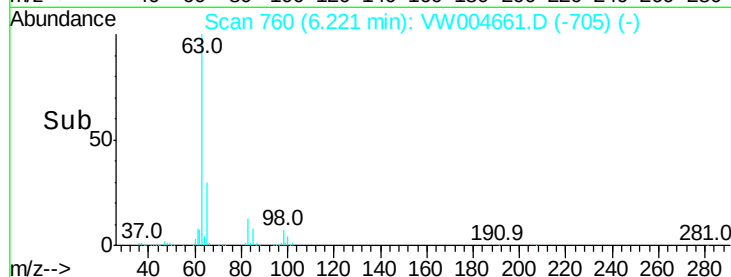
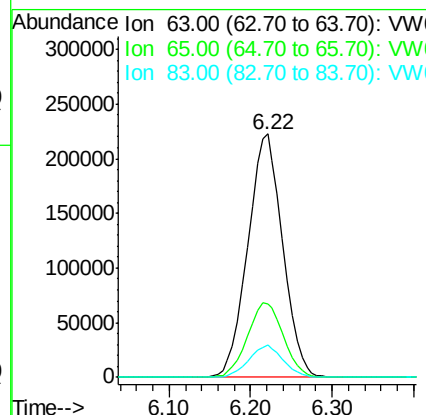
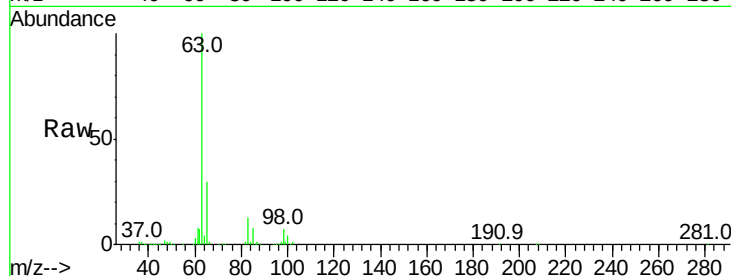
Tgt Ion: 63 Resp: 662409

Ion Ratio Lower Upper

63 100

65 30.3 22.5 41.7

83 13.1 9.3 17.3



#21

2-Butanone

Concen: 43.004 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004661.D

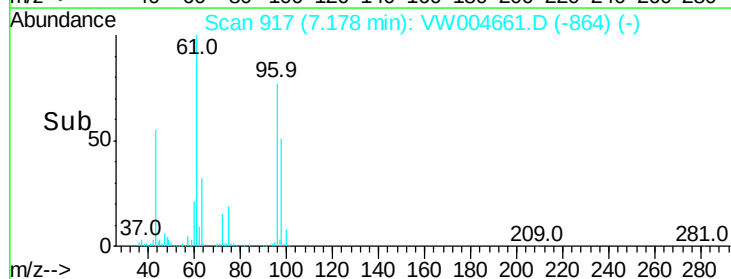
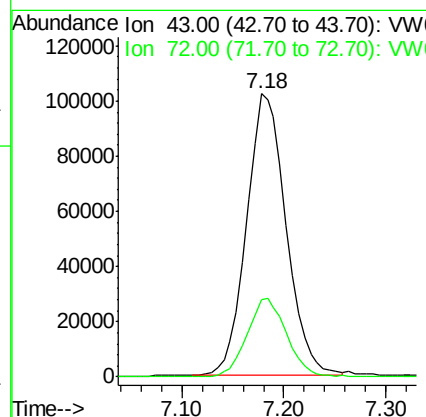
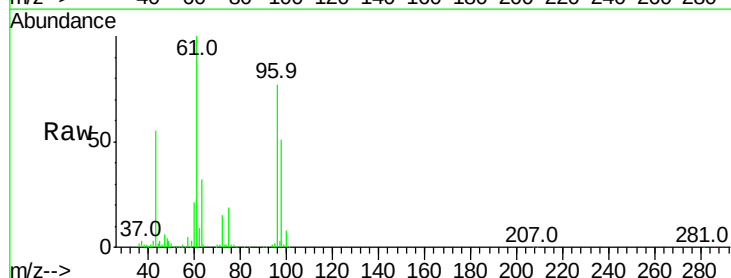
Acq: 14 Aug 2018 10:37

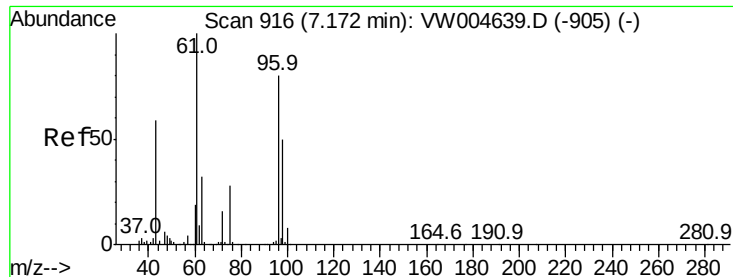
Tgt Ion: 43 Resp: 274394

Ion Ratio Lower Upper

43 100

72 28.1 13.2 39.6



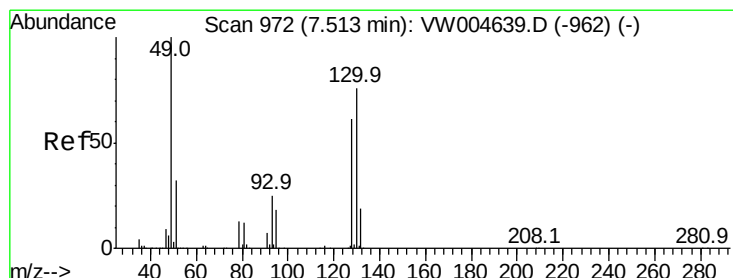
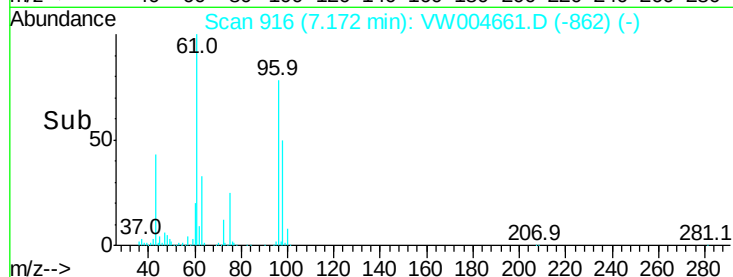
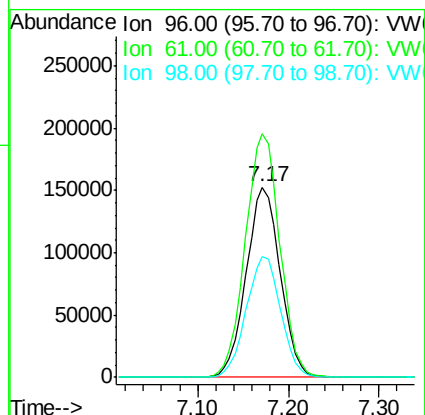
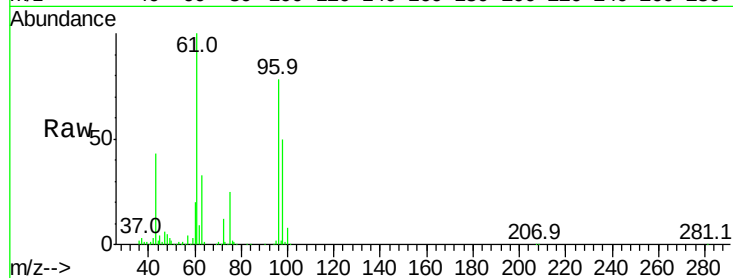


#22

cis-1,2-Dichloroethene
 Concen: 26.083 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VW004661.D
 Acq: 14 Aug 2018 10:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

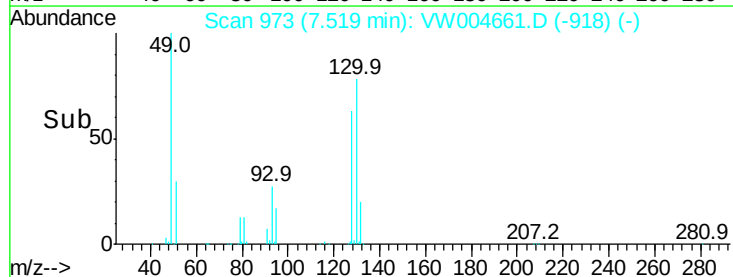
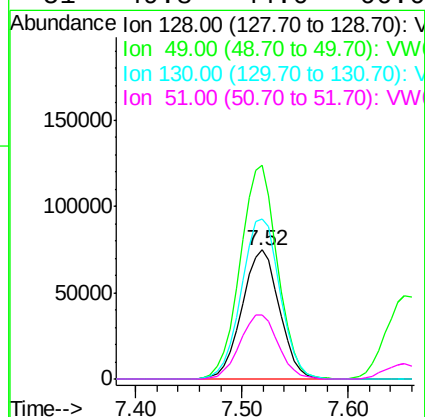
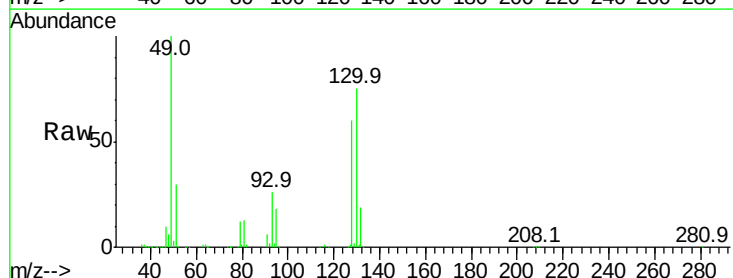
Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.0	92.5	171.7
98	63.6	44.1	81.9

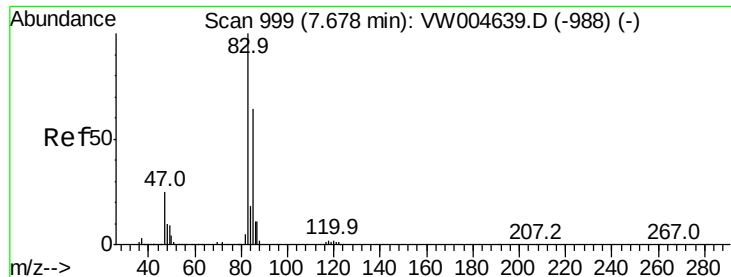


#23

Bromochloromethane
 Concen: 25.397 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.01 min
 Lab File: VW004661.D
 Acq: 14 Aug 2018 10:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.7	122.0	226.6
130	123.7	88.8	164.8
51	49.8	44.0	66.0





#25

Chloroform

Concen: 24.393 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

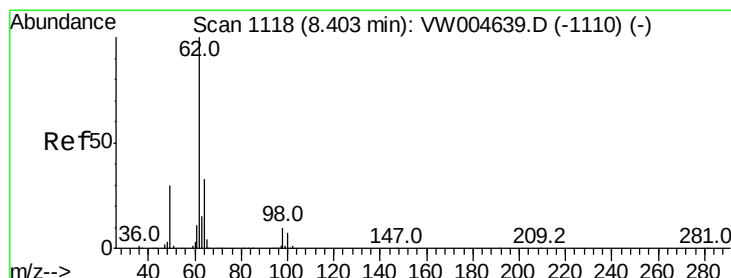
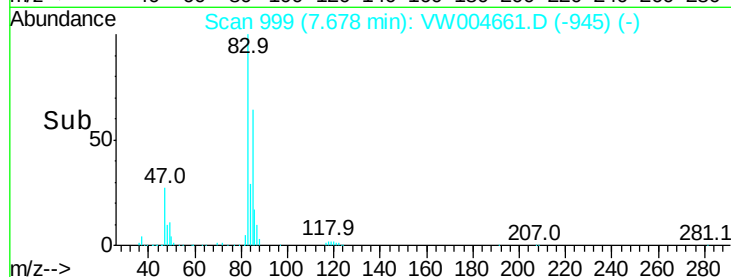
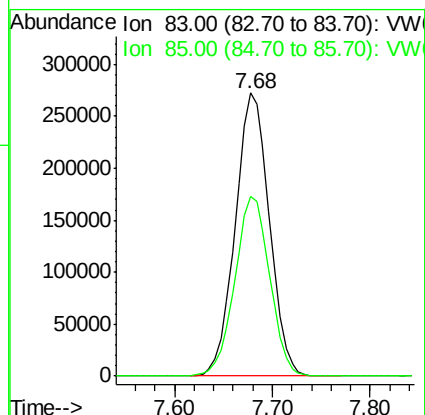
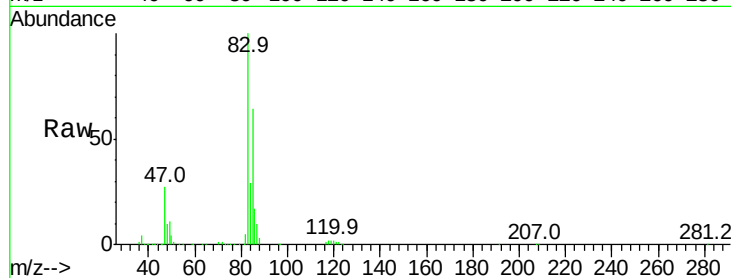
VSTD02592

Tgt Ion: 83 Resp: 657306

Ion Ratio Lower Upper

83 100

85 65.0 45.7 84.9



#27

1,2-Dichloroethane

Concen: 23.696 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004661.D

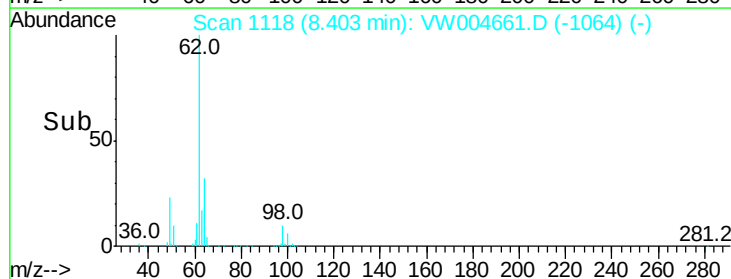
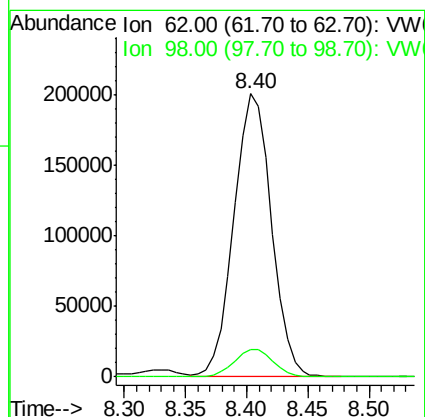
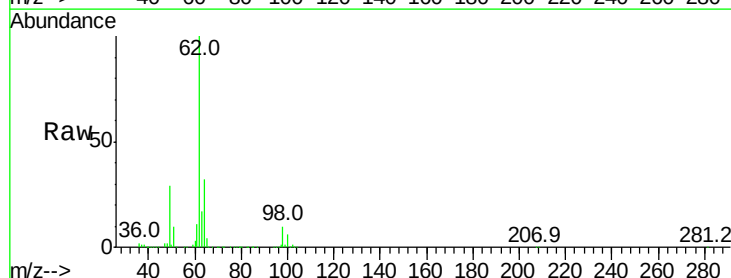
Acq: 14 Aug 2018 10:37

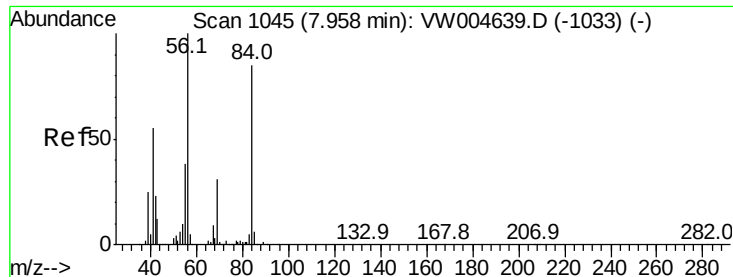
Tgt Ion: 62 Resp: 428959

Ion Ratio Lower Upper

62 100

98 9.8 7.6 11.4

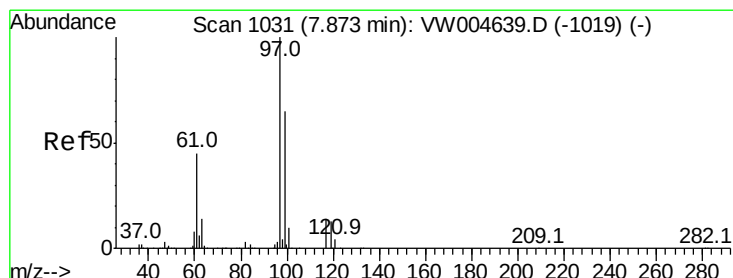
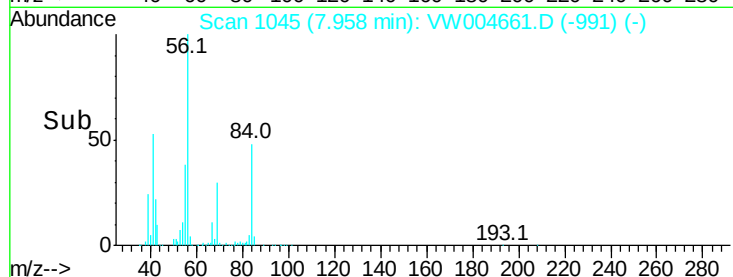
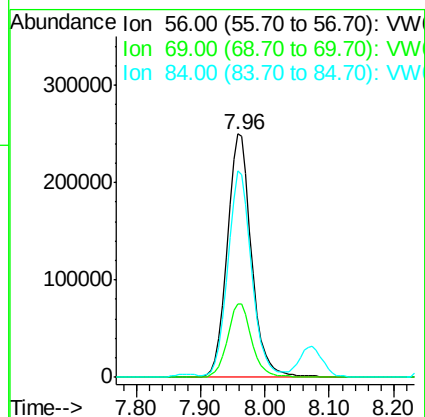
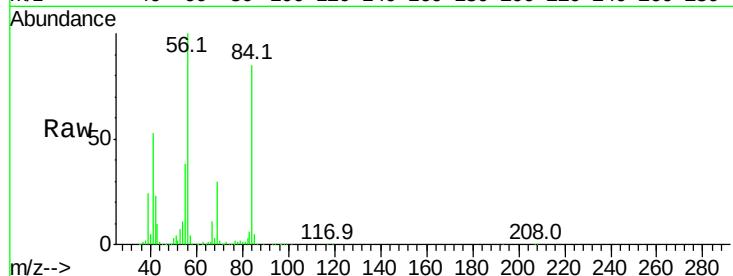




#30
Cyclohexane
Concen: 29.445 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

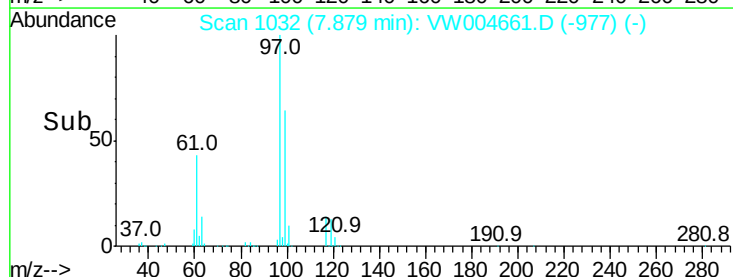
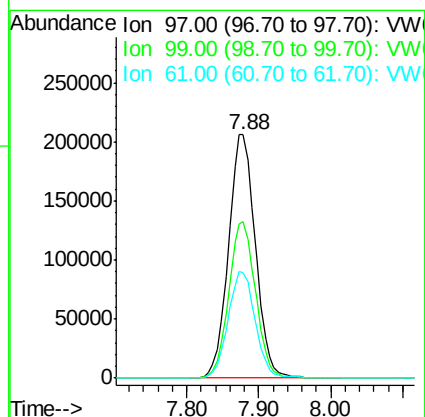
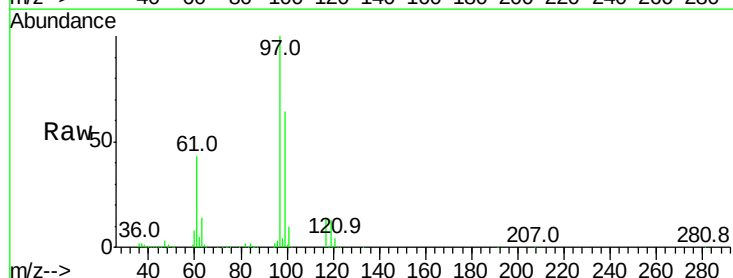
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

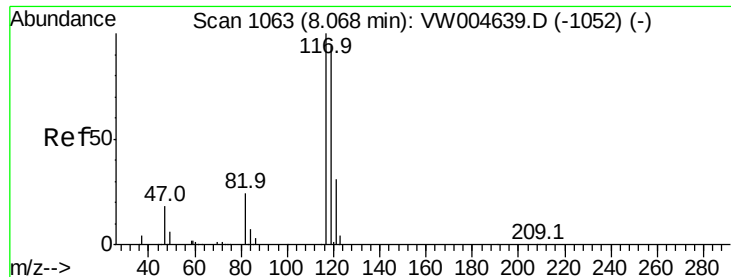
Tgt Ion: 56 Resp: 664703
Ion Ratio Lower Upper
56 100
69 29.9 24.0 36.0
84 83.0 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 26.379 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

Tgt Ion: 97 Resp: 534991
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.6
61 44.5 37.3 55.9





#32

Carbon tetrachloride

Concen: 25.967 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

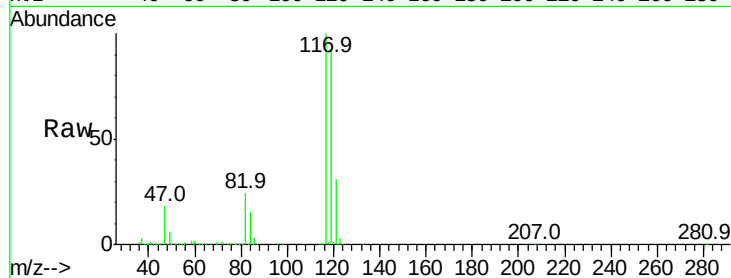
VSTD02592

Tgt Ion:117 Resp: 507543

Ion Ratio Lower Upper

117 100

119 95.3 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

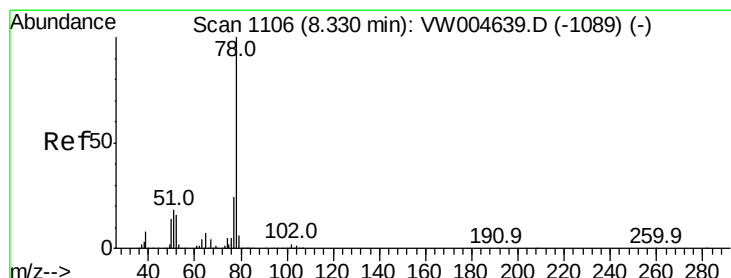
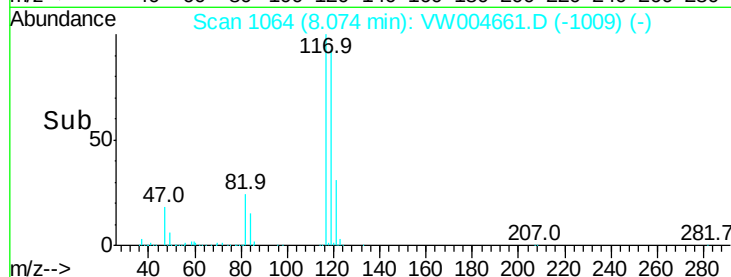
150000

100000

50000

0

Time--> 8.00 8.10 8.20



#34

Benzene

Concen: 25.963 ug/L

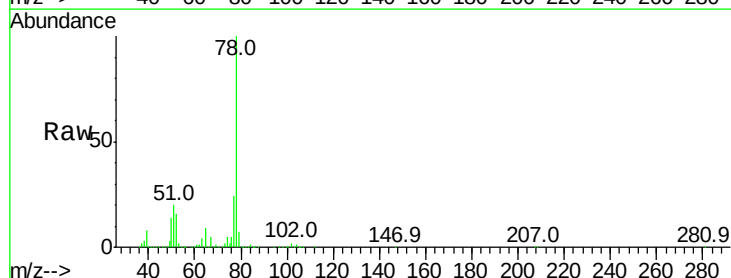
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Tgt Ion: 78 Resp: 1527996



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

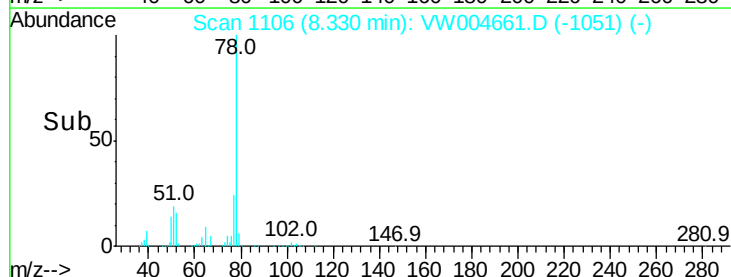
600000

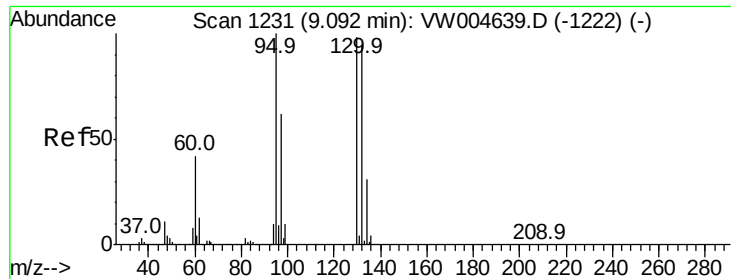
400000

200000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.383 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

Tgt Ion: 95 Resp: 375764

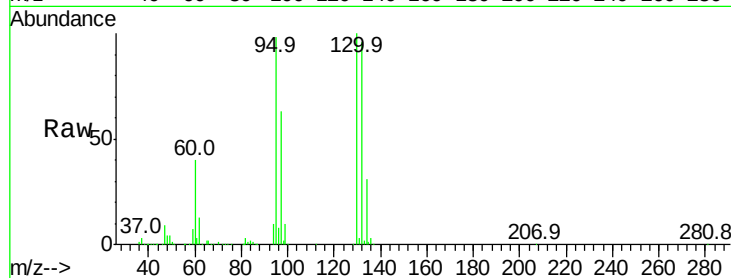
Ion Ratio Lower Upper

95 100

97 64.5 44.9 83.5

132 98.3 67.6 125.6

130 102.2 69.1 128.3

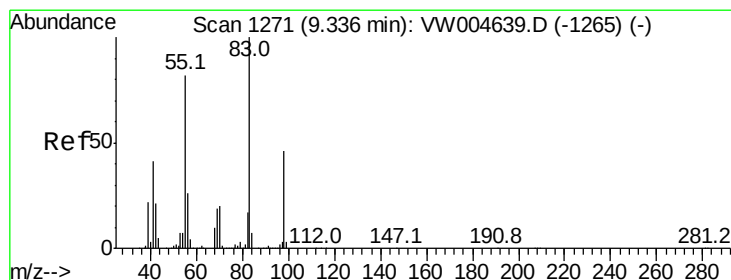
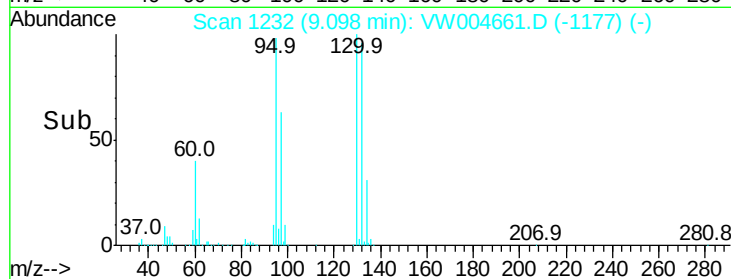
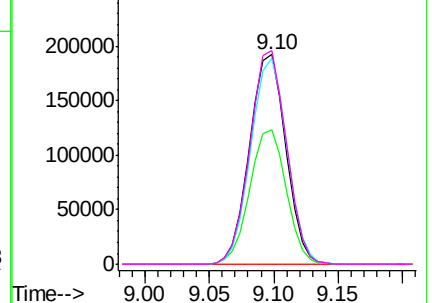


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 29.094 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

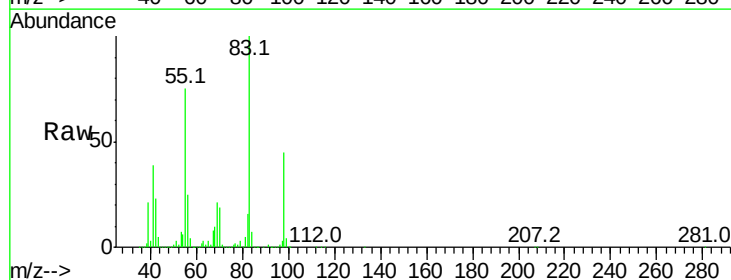
Tgt Ion: 83 Resp: 756042

Ion Ratio Lower Upper

83 100

55 76.8 62.8 94.2

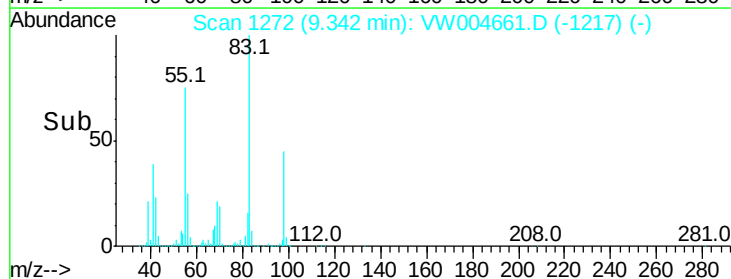
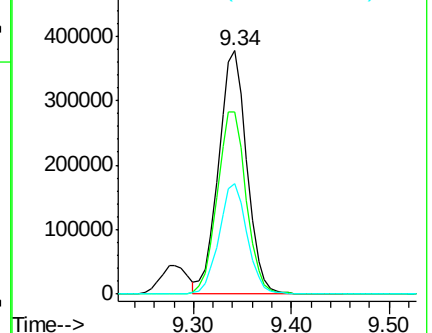
98 45.3 36.6 54.8

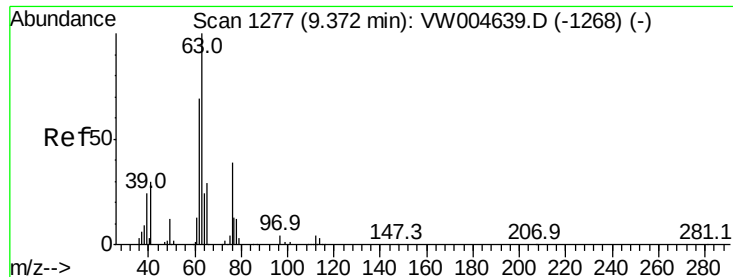


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.553 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

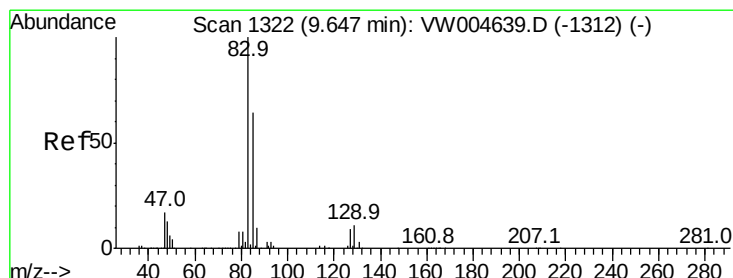
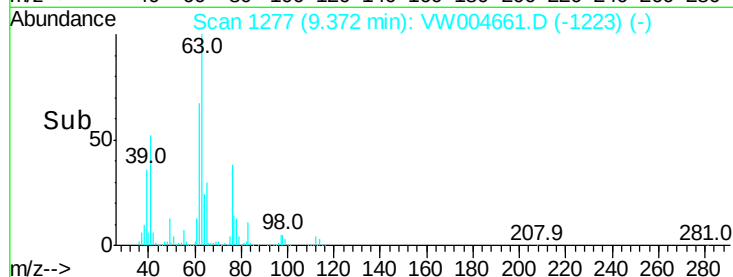
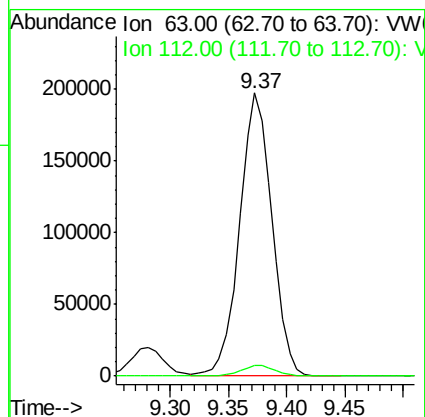
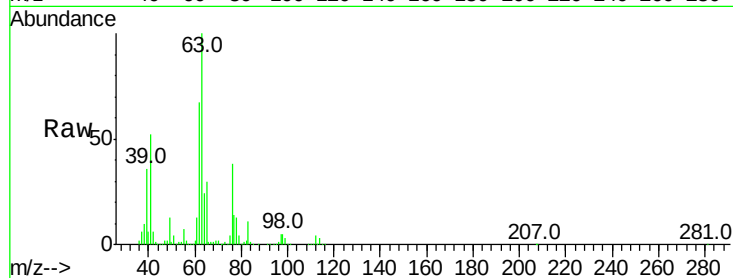
VSTD02592

Tgt Ion: 63 Resp: 382711

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.6



#41

Bromodichloromethane

Concen: 23.564 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

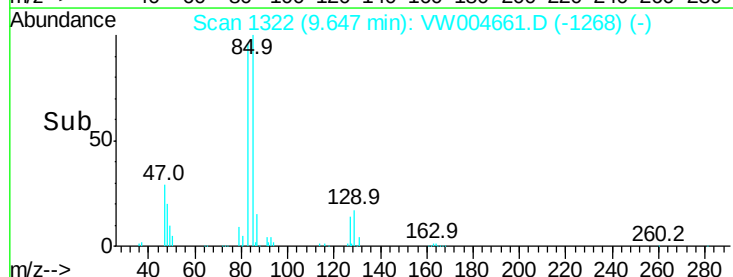
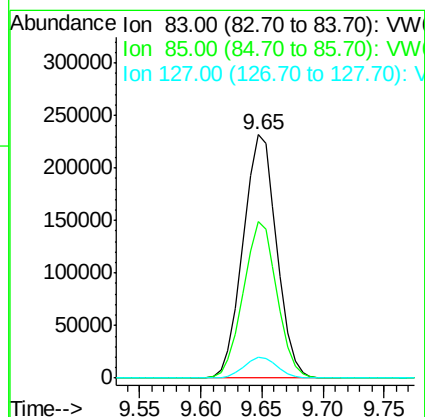
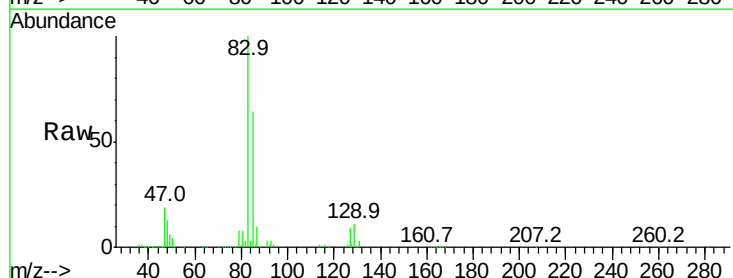
Tgt Ion: 83 Resp: 441205

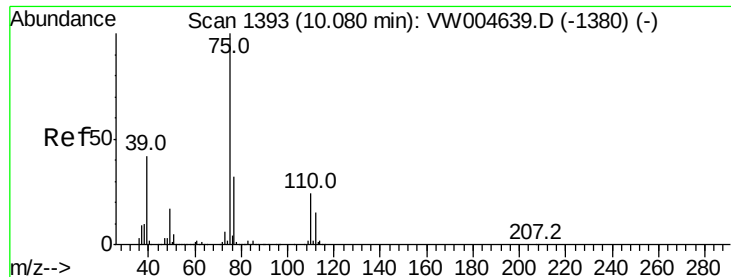
Ion Ratio Lower Upper

83 100

85 64.2 43.7 81.1

127 8.8 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 25.484 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

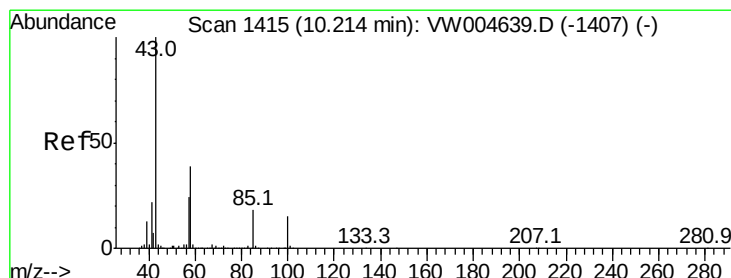
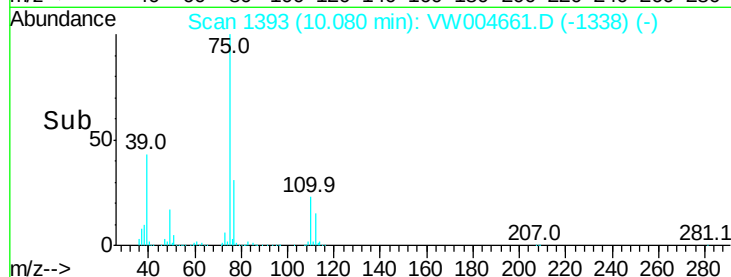
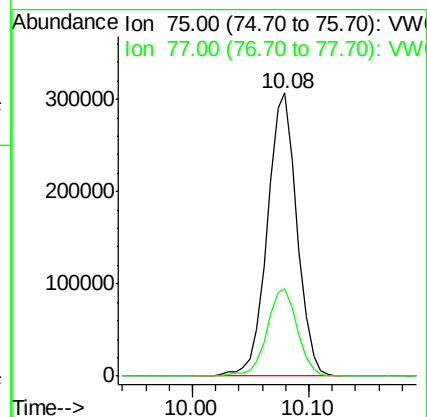
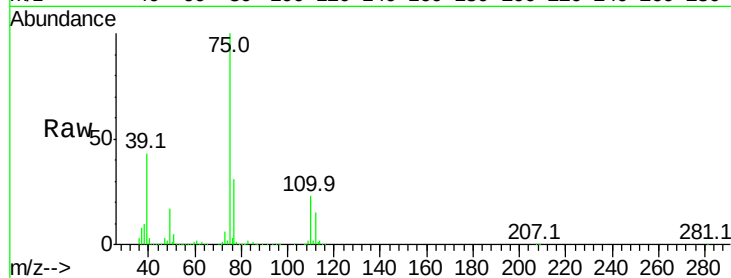
VSTD02592

Tgt Ion: 75 Resp: 543392

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 47.238 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

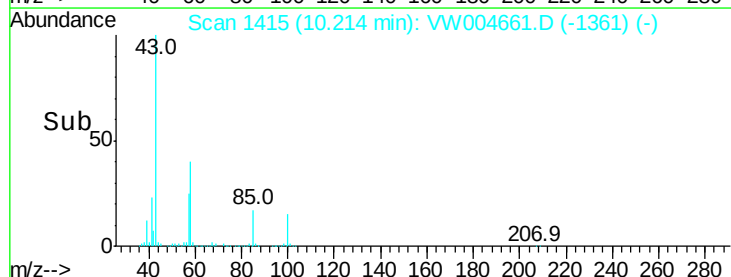
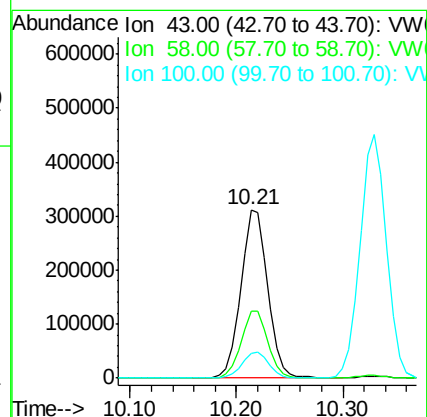
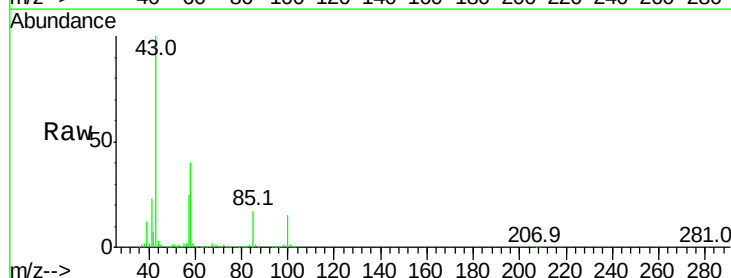
Tgt Ion: 43 Resp: 552083

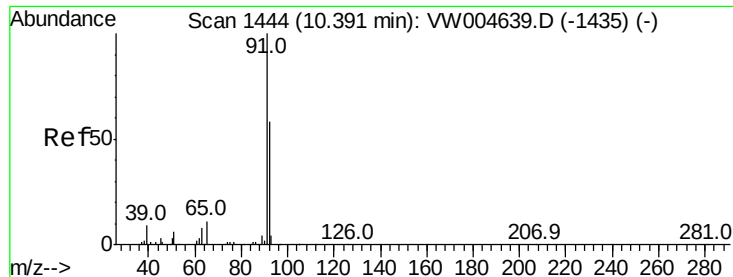
Ion Ratio Lower Upper

43 100

58 39.8 31.5 47.3

100 15.3 11.7 17.5





#44

Toluene

Concen: 27.078 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampled :

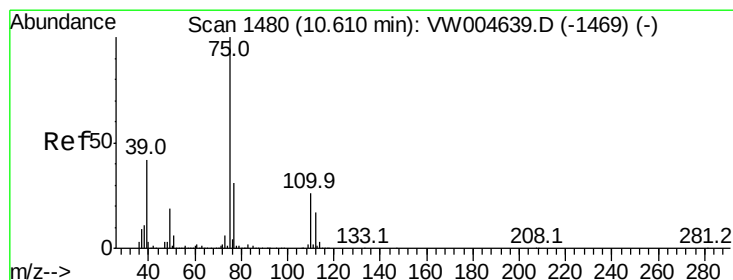
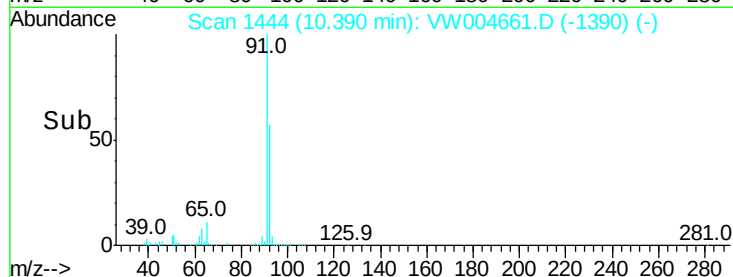
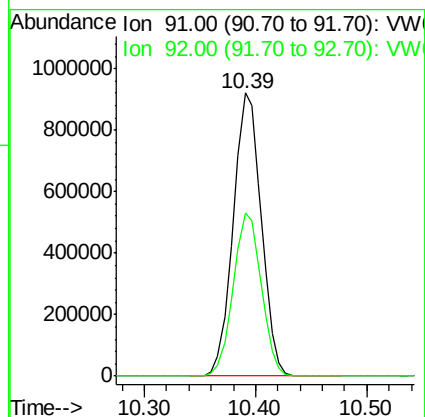
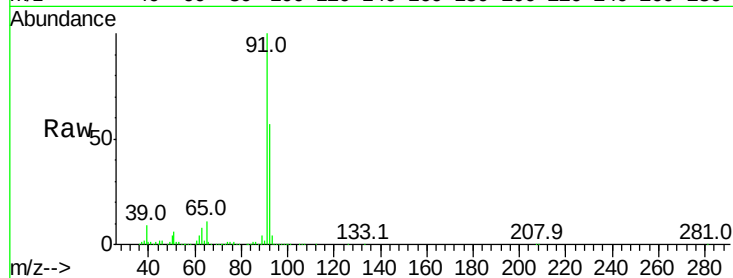
VSTD02592

Tgt Ion: 91 Resp: 1603688

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 25.455 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004661.D

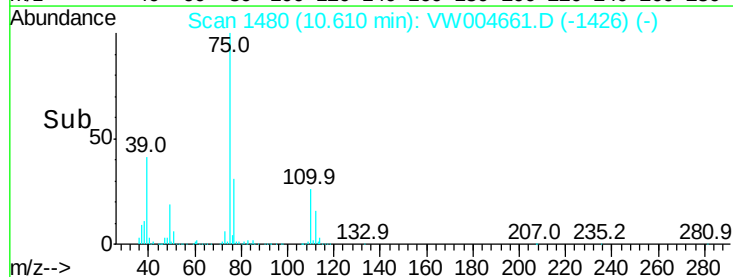
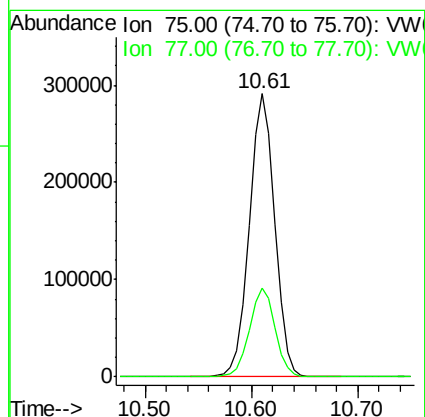
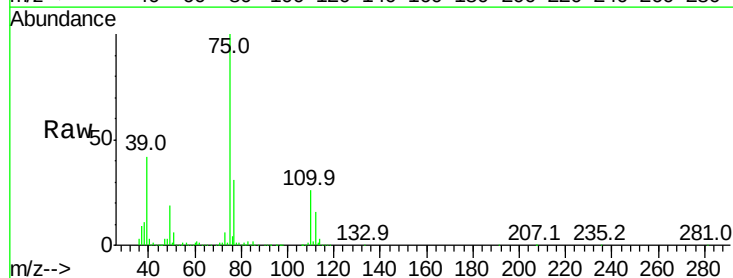
Acq: 14 Aug 2018 10:37

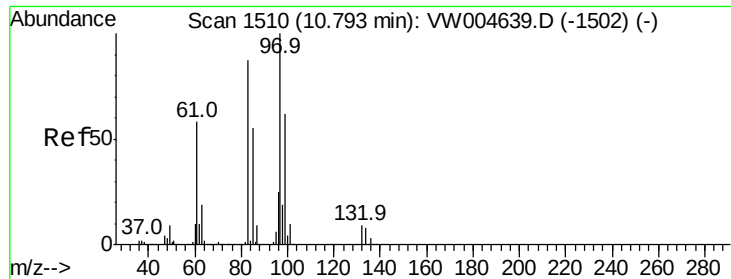
Tgt Ion: 75 Resp: 487897

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.6

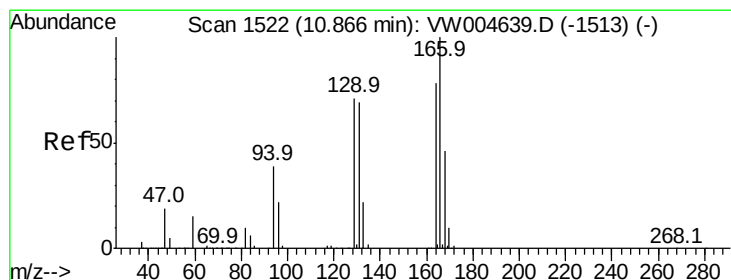
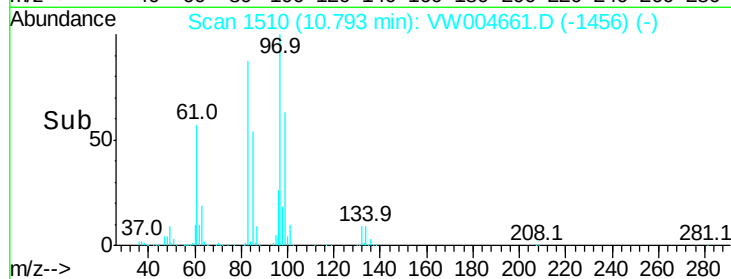
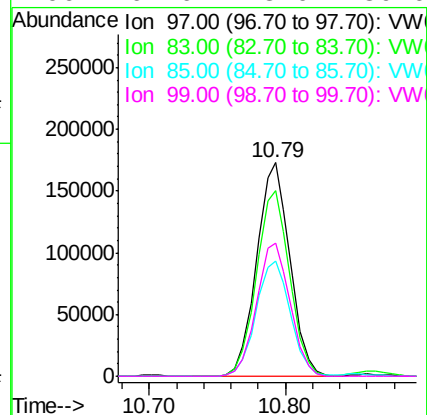
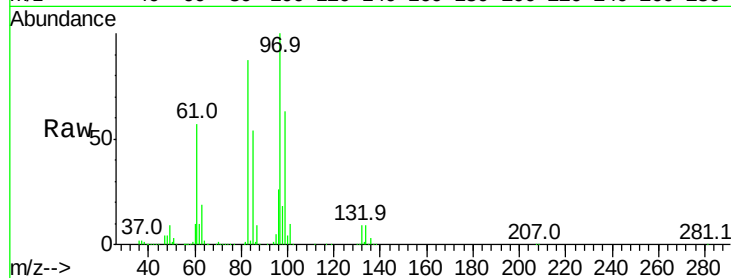




#46
 1,1,2-Trichloroethane
 Concen: 24.434 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004661.D
 Acq: 14 Aug 2018 10:37

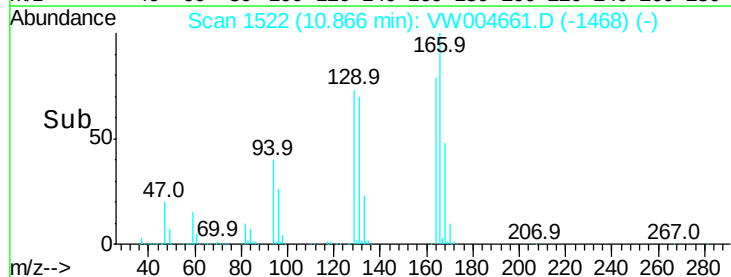
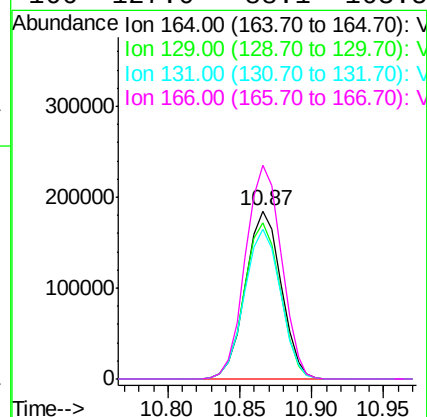
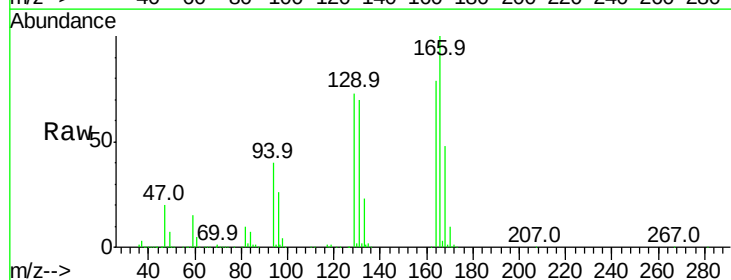
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

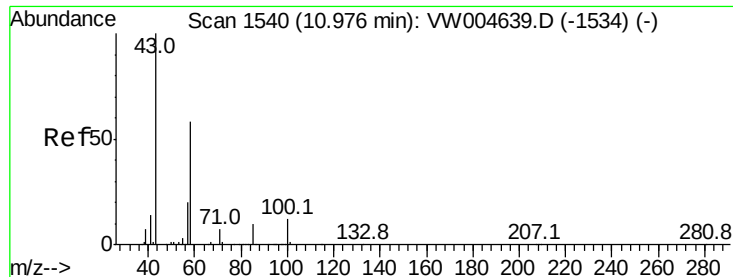
Tgt Ion:	97	Resp:	296084
Ion	Ratio	Lower	Upper
97	100		
83	86.6	61.8	114.8
85	54.2	38.8	72.0
99	62.6	43.0	80.0



#47
 Tetrachloroethene
 Concen: 27.049 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004661.D
 Acq: 14 Aug 2018 10:37

Tgt Ion:	164	Resp:	316825
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.4	121.4
131	88.8	63.8	118.6
166	127.0	88.1	163.5

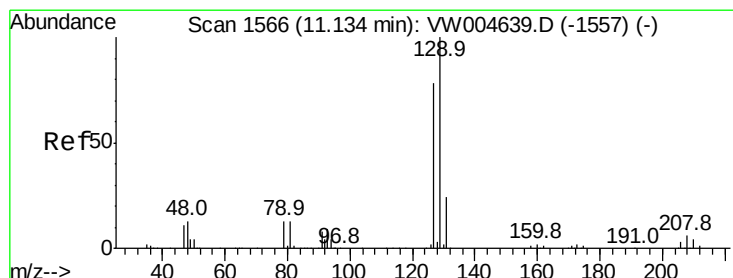
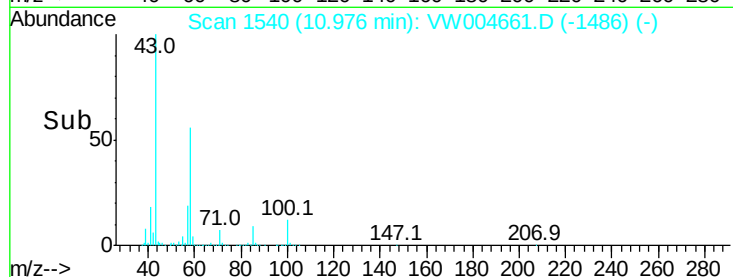
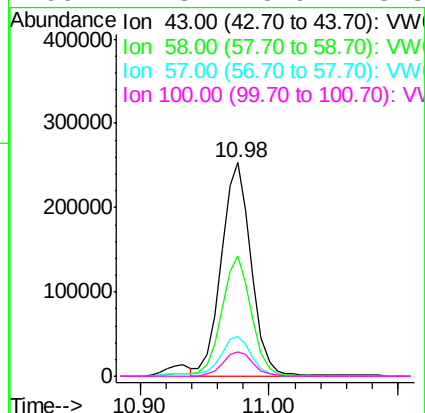
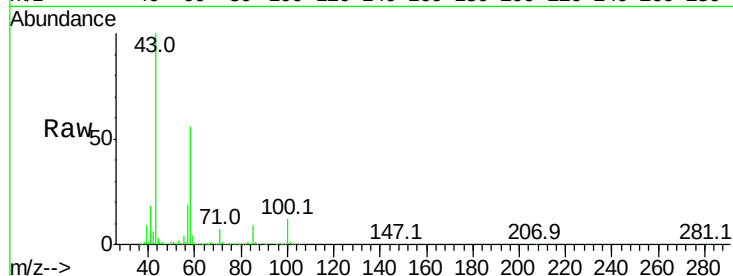




#49
2-Hexanone
Concen: 46.958 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

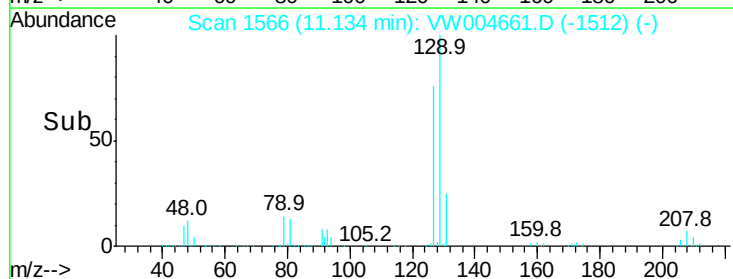
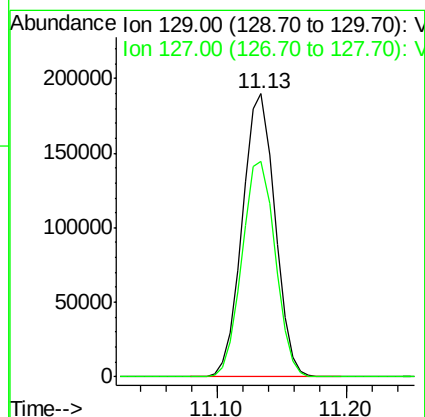
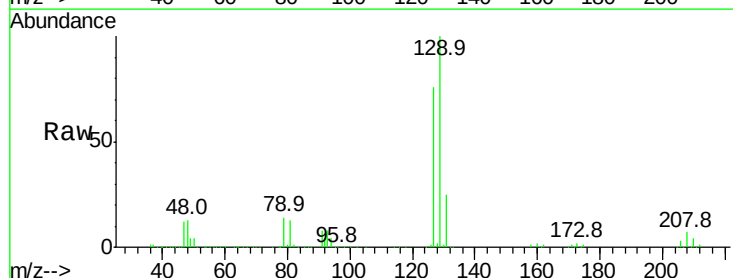
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

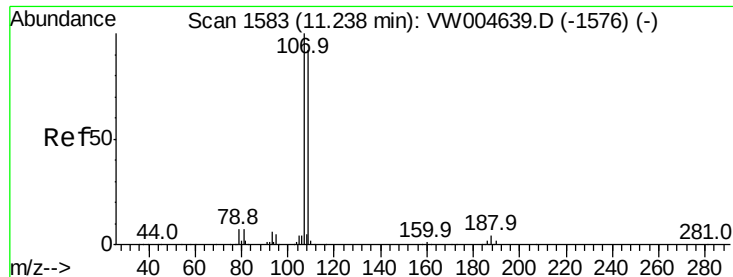
Tgt Ion:	43	Resp:	412425
Ion	Ratio	Lower	Upper
43	100		
58	55.5	43.4	65.0
57	18.5	15.0	22.6
100	11.8	8.9	13.3



#50
Dibromochloromethane
Concen: 24.696 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

Tgt Ion:	129	Resp:	331976
Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.1	100.5

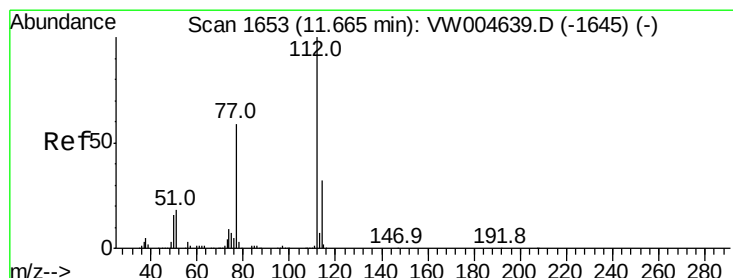
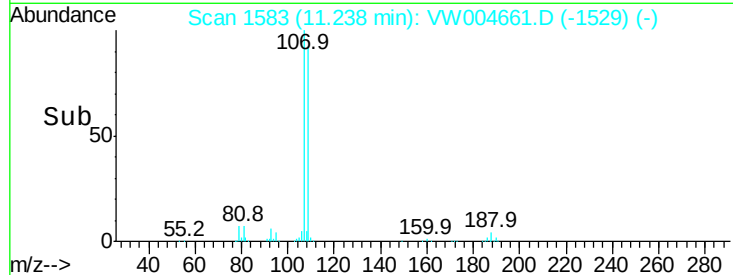
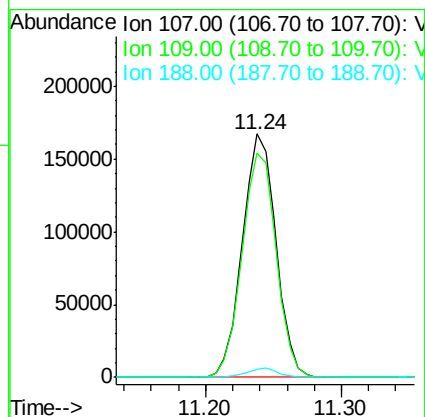
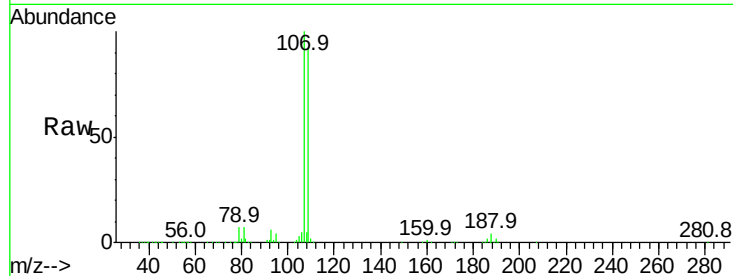




#51
1,2-Dibromoethane
Concen: 24.861 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

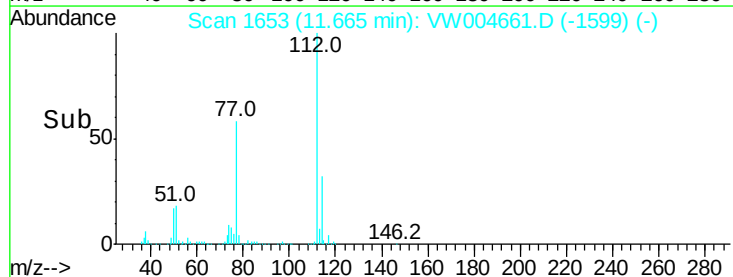
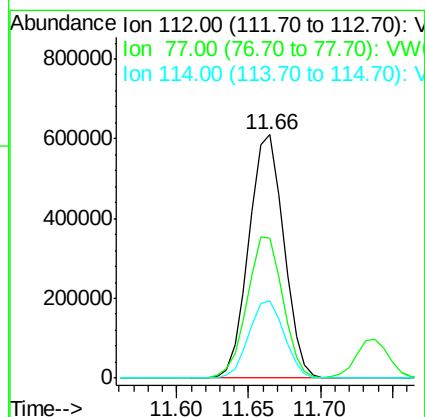
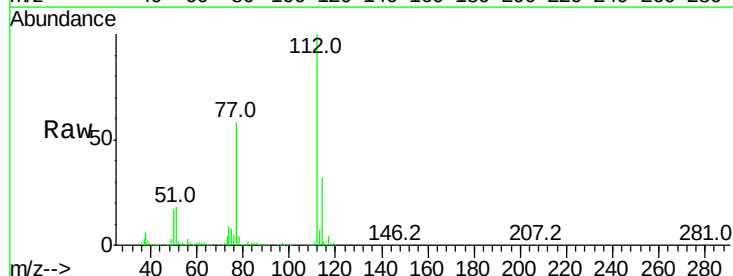
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

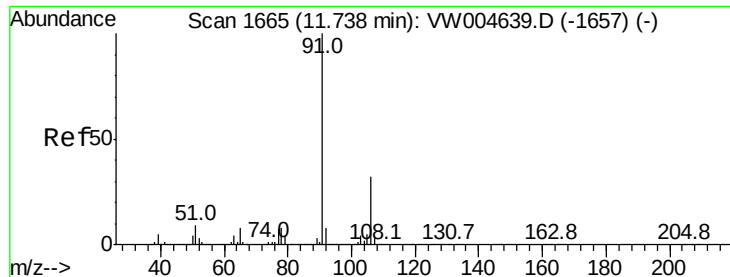
Tgt Ion:107 Resp: 288772
Ion Ratio Lower Upper
107 100
109 92.2 66.8 124.2
188 3.5 2.6 3.8



#52
Chlorobenzene
Concen: 25.593 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

Tgt Ion:112 Resp: 1025078
Ion Ratio Lower Upper
112 100
77 57.5 46.5 69.7
114 31.9 22.0 41.0





#53

Ethylbenzene

Concen: 26.859 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

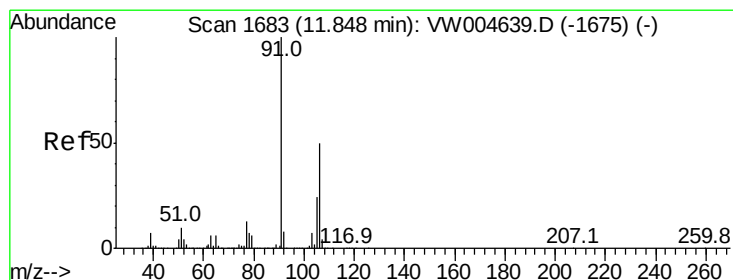
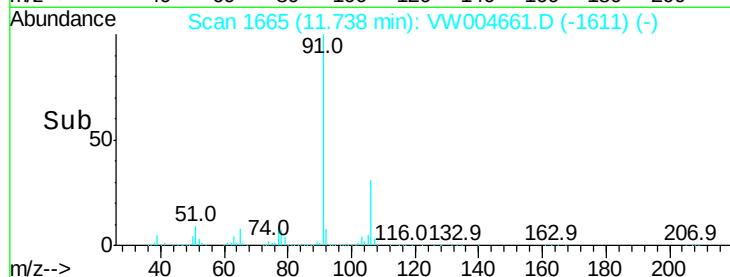
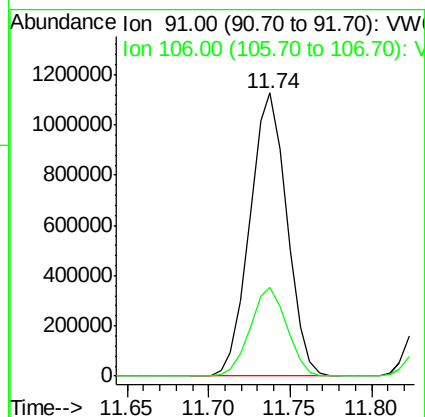
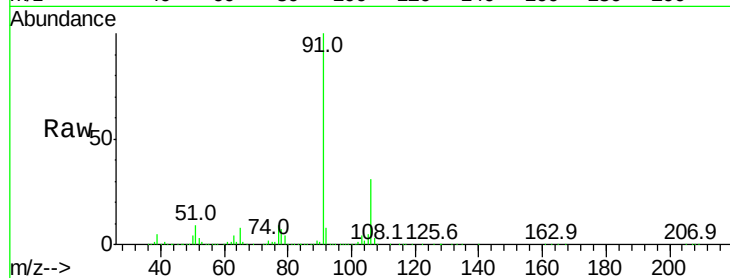
VSTD02592

Tgt Ion: 91 Resp: 1787565

Ion Ratio Lower Upper

91 100

106 31.4 21.6 40.0



#54

m,p-Xylene

Concen: 27.659 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004661.D

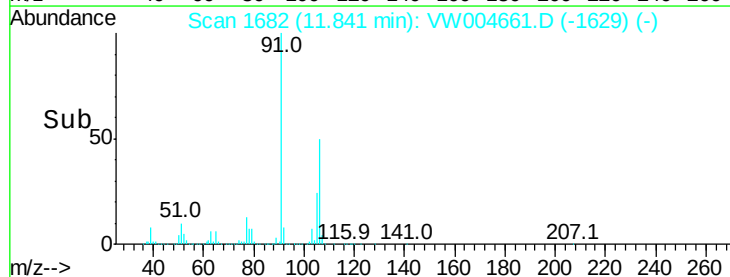
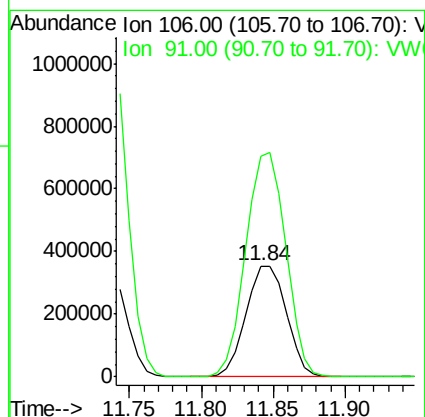
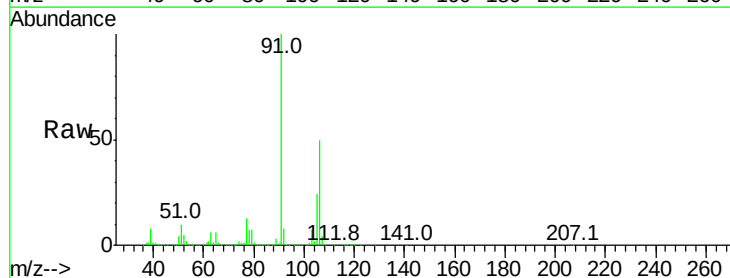
Acq: 14 Aug 2018 10:37

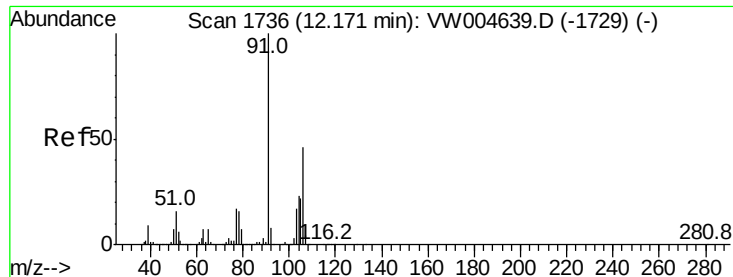
Tgt Ion: 106 Resp: 686780

Ion Ratio Lower Upper

106 100

91 198.8 143.0 265.6





#55

o-xylene

Concen: 27.453 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

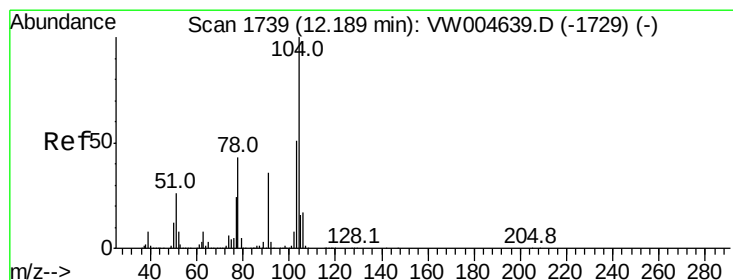
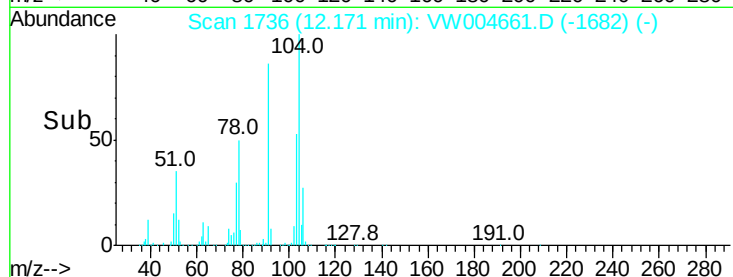
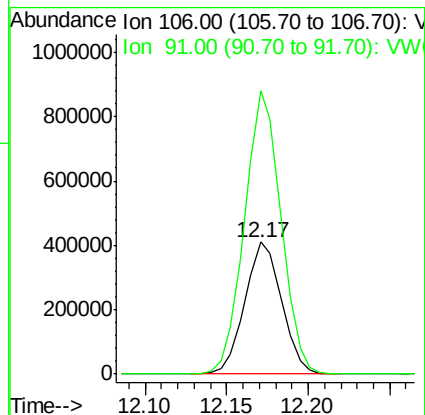
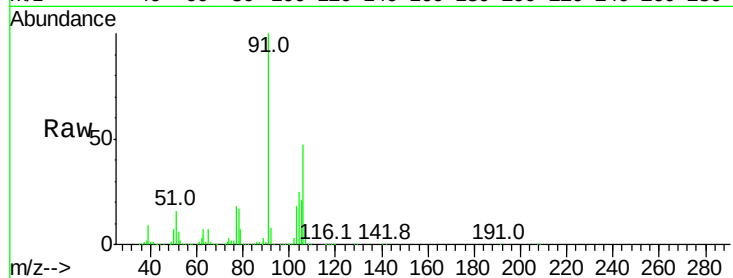
VSTD02592

Tgt Ion:106 Resp: 645890

Ion Ratio Lower Upper

106 100

91 214.4 152.0 282.4



#56

Styrene

Concen: 27.907 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004661.D

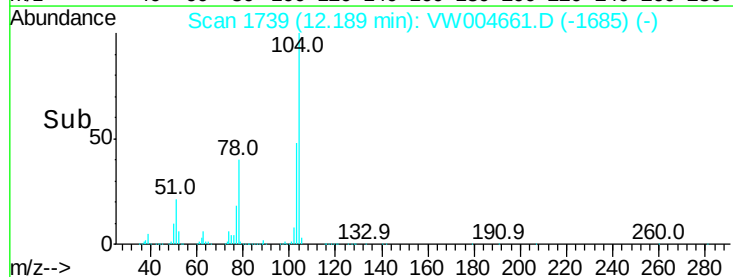
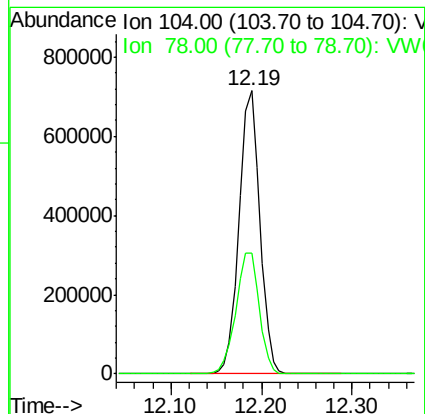
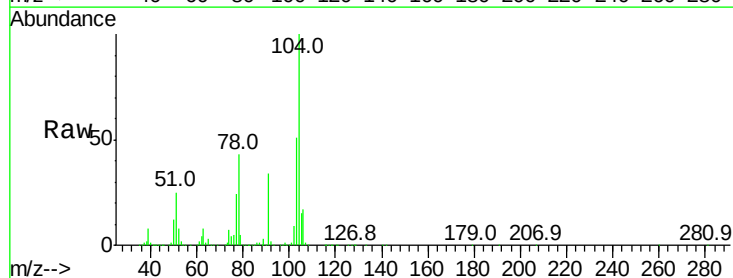
Acq: 14 Aug 2018 10:37

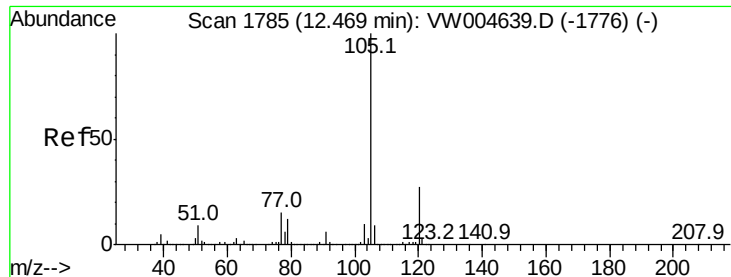
Tgt Ion:104 Resp: 1144092

Ion Ratio Lower Upper

104 100

78 42.7 30.8 57.2





#57

Isopropylbenzene

Concen: 27.846 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

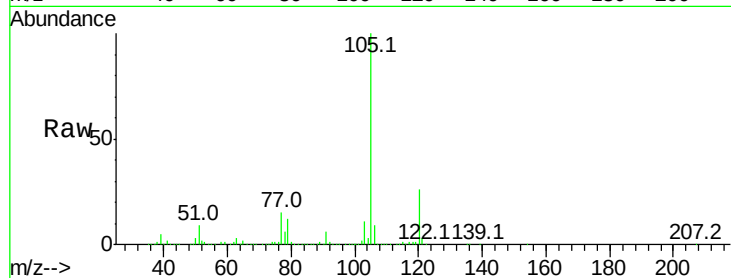
Tgt Ion:105 Resp: 1773353

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

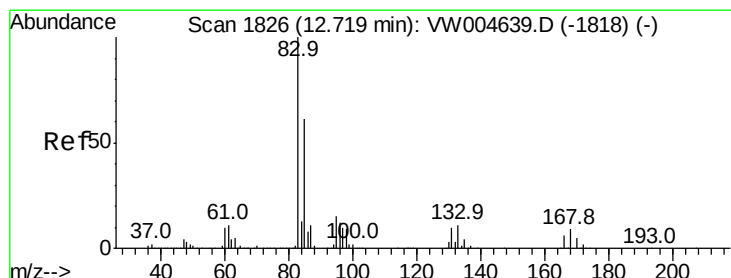
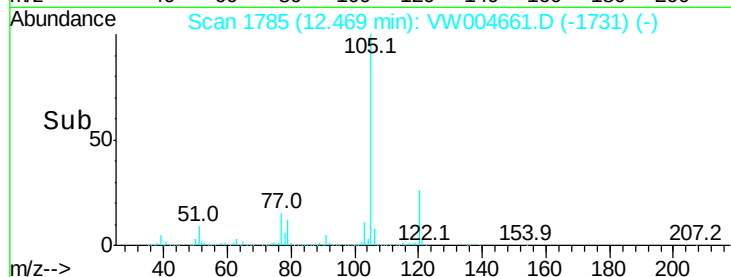
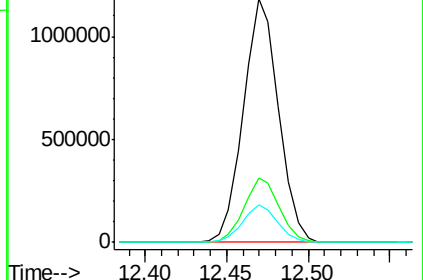
77 15.1 12.4 18.6



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: 23.358 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

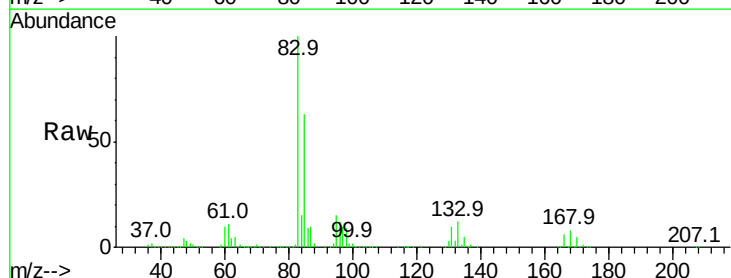
Tgt Ion: 83 Resp: 410816

Ion Ratio Lower Upper

83 100

85 63.5 46.1 85.5

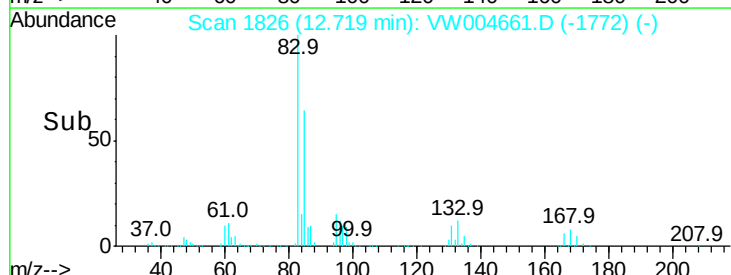
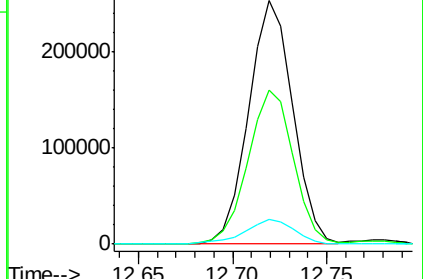
131 10.3 8.1 12.1

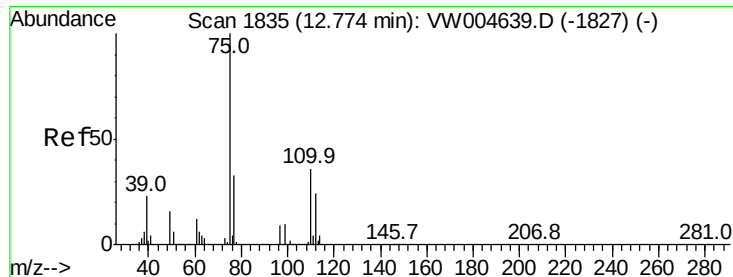


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.536 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

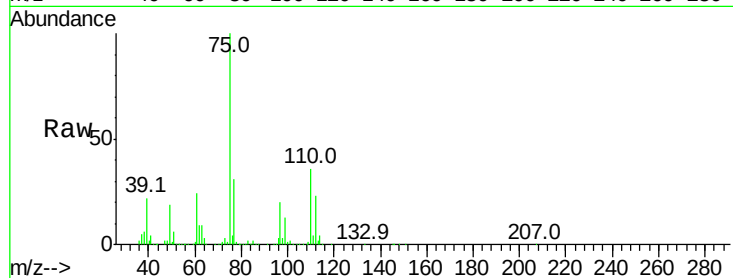
VSTD02592

Tgt Ion: 75 Resp: 309167

Ion Ratio Lower Upper

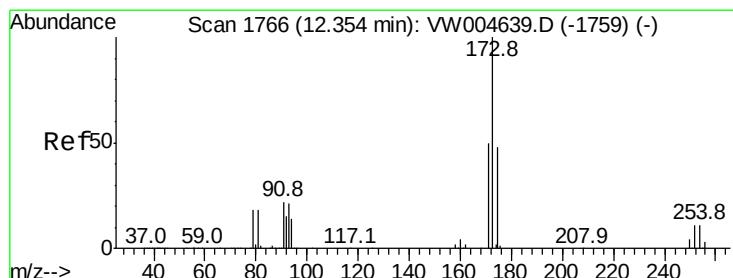
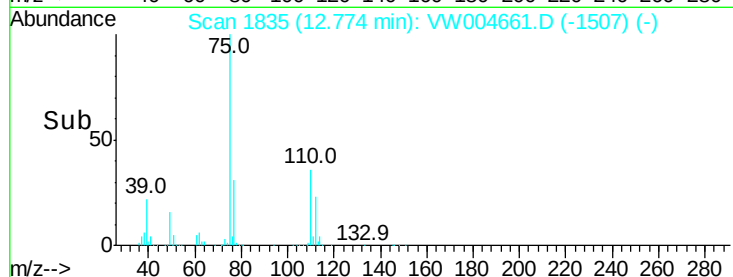
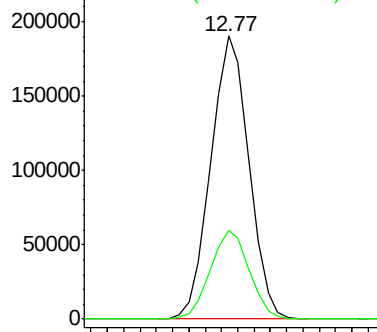
75 100

77 32.2 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 24.306 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

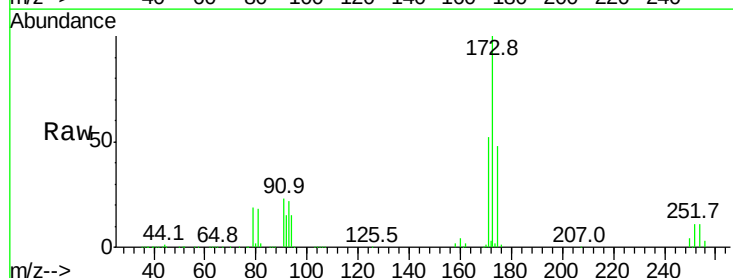
Tgt Ion: 173 Resp: 215615

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

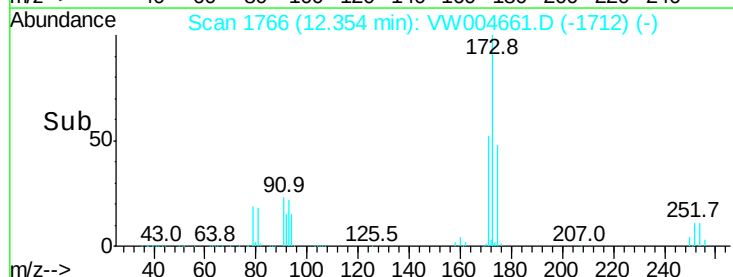
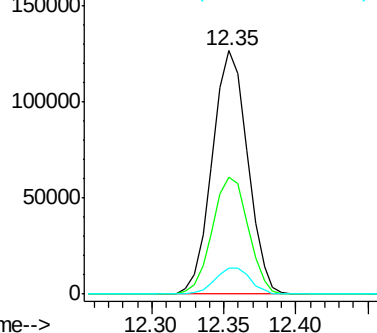
254 11.0 8.1 12.1

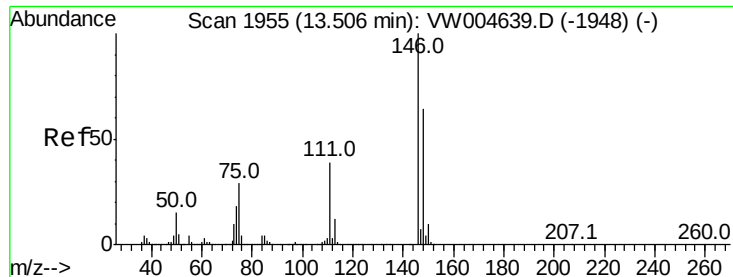


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

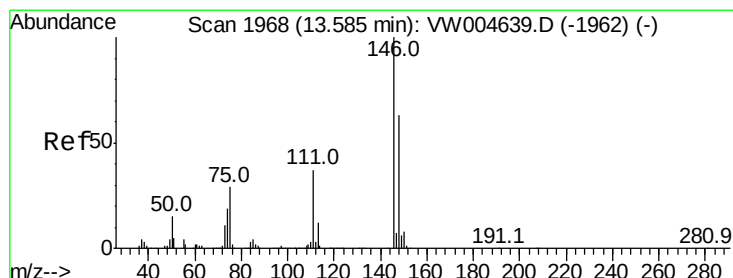
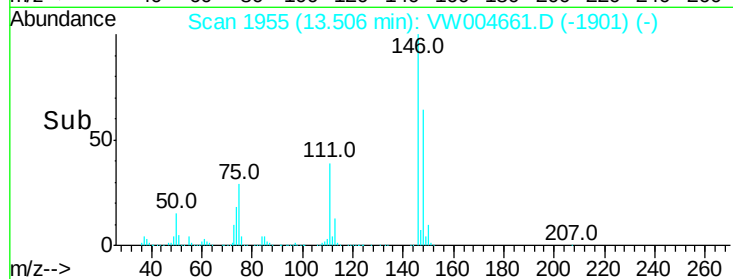
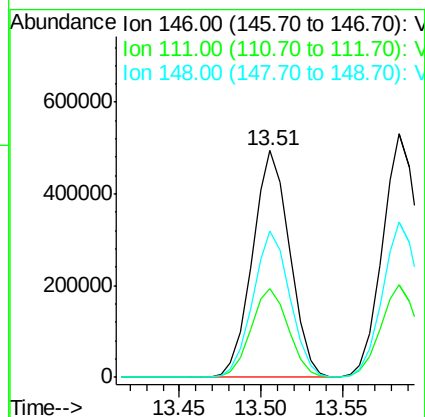
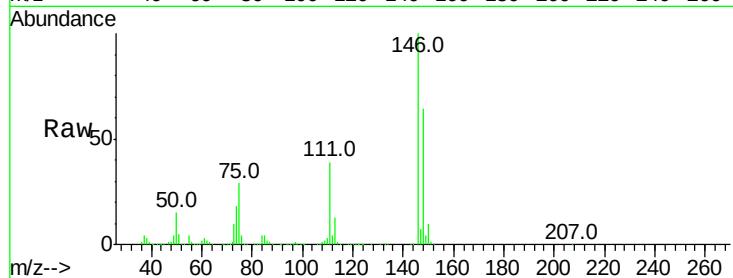




#63
 1,3-Dichlorobenzene
 Concen: 25.815 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004661.D
 Acq: 14 Aug 2018 10:37

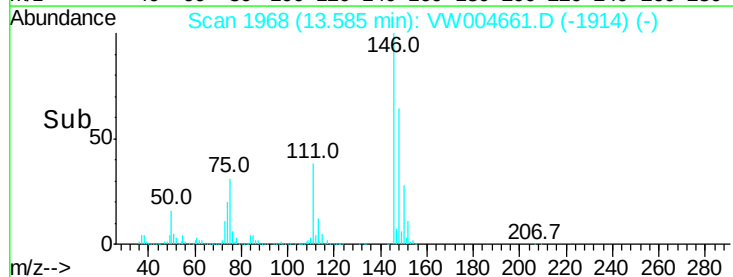
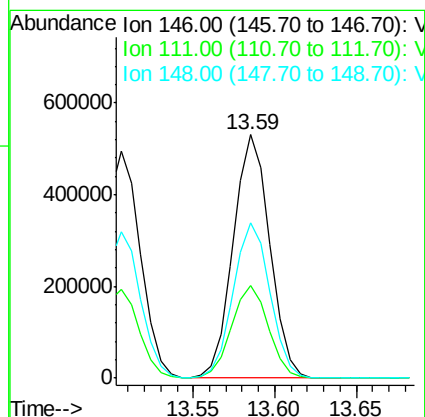
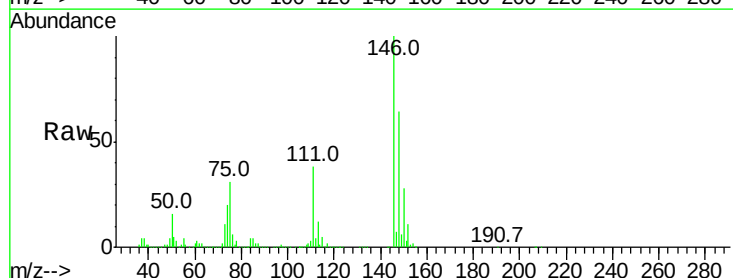
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02592

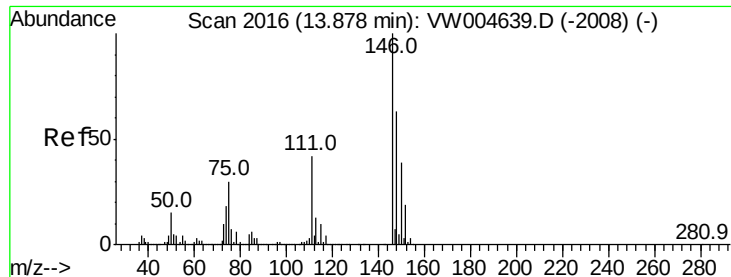
Tgt Ion:146 Resp: 784048
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.7 51.5
 148 64.5 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 25.448 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004661.D
 Acq: 14 Aug 2018 10:37

Tgt Ion:146 Resp: 830667
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.7 51.5
 148 64.0 45.5 84.5

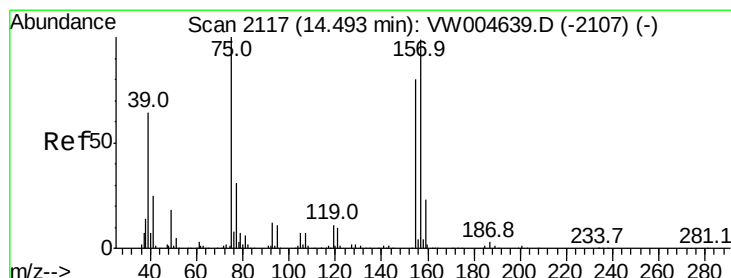
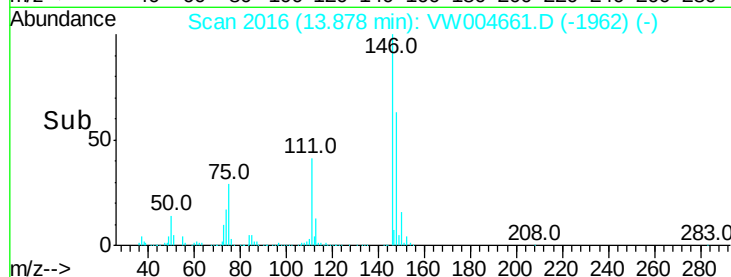
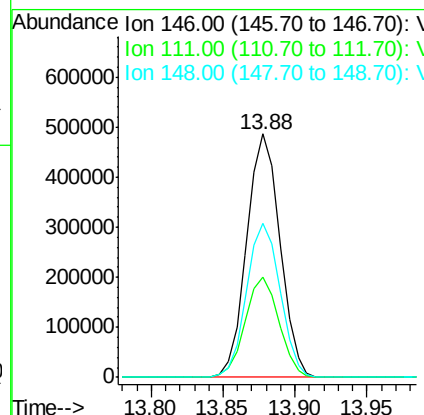
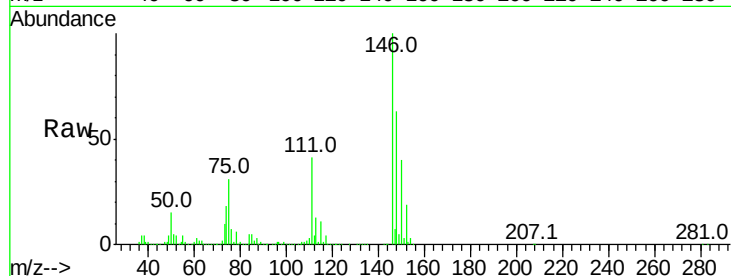




#65
1,2-Dichlorobenzene
Concen: 25.590 ug/L
RT: 13.88 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

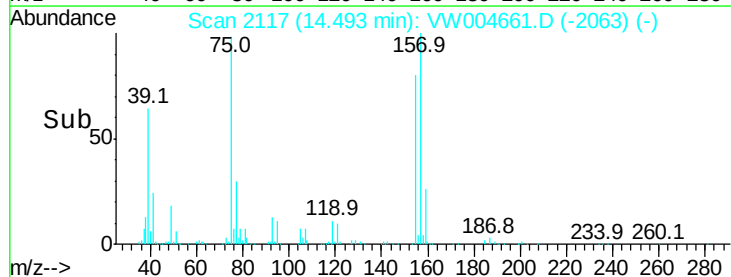
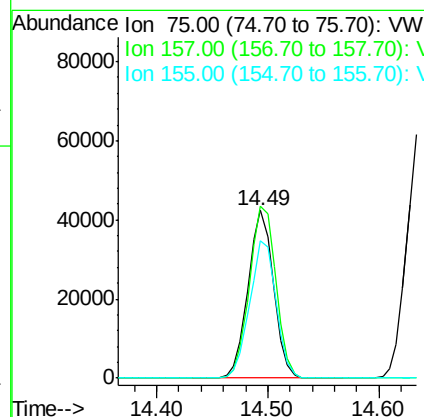
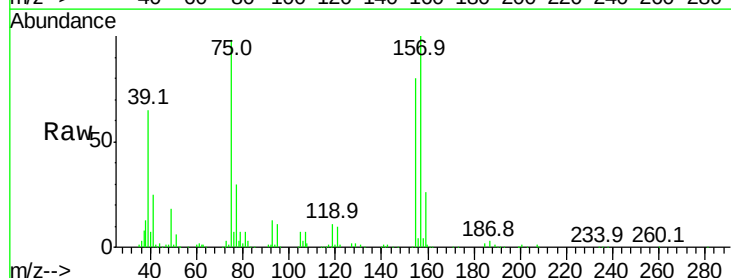
Instrument :
MSVOA_W
ClientSampleId :
VSTD02592

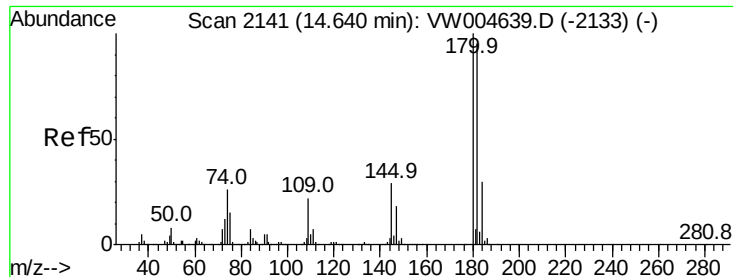
Tgt Ion:146 Resp: 778761
Ion Ratio Lower Upper
146 100
111 41.1 33.4 50.2
148 63.4 50.8 76.2



#66
1,2-Dibromo-3-chloropropane
Concen: 21.643 ug/L
RT: 14.49 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VW004661.D
Acq: 14 Aug 2018 10:37

Tgt Ion: 75 Resp: 67657
Ion Ratio Lower Upper
75 100
157 102.3 81.4 122.0
155 81.7 63.0 94.6





#67

1,3,5-Trichlorobenzene

Concen: 26.379 ug/L

RT: 14.64 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

Tgt Ion:180 Resp: 635127

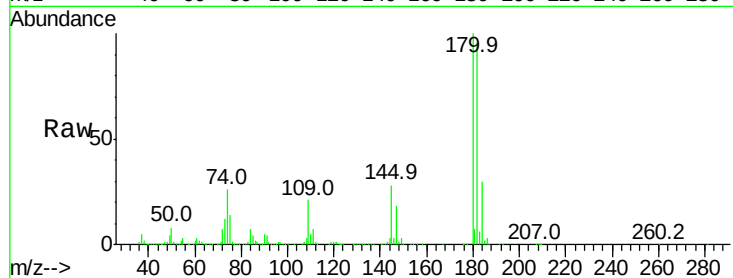
Ion Ratio Lower Upper

180 100

182 95.1 75.1 112.7

184 30.3 24.0 36.0

145 28.3 23.0 34.6

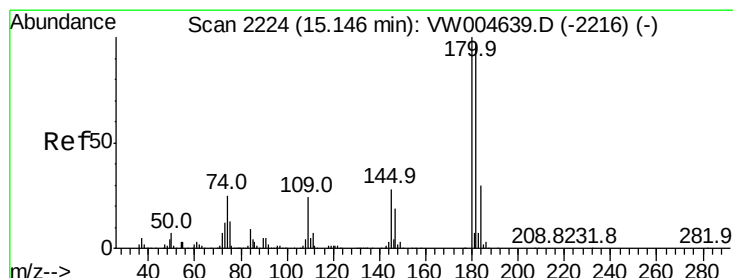
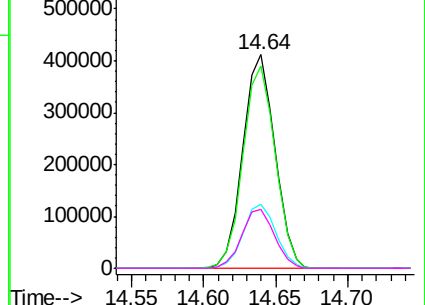
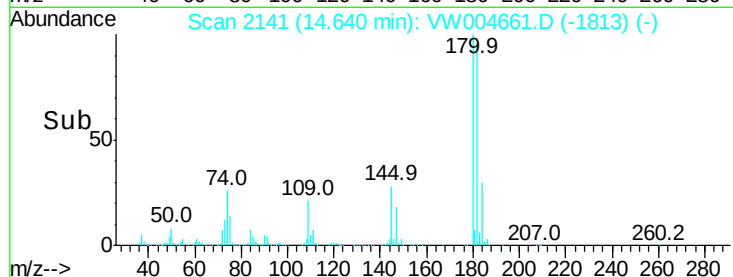


Abundance Ion 180.00 (179.70 to 180.70): V

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: 26.790 ug/L

RT: 15.15 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

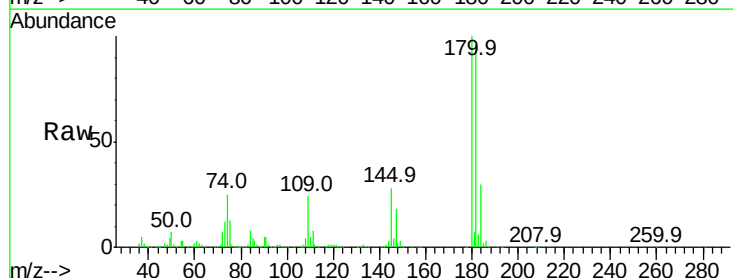
Tgt Ion:180 Resp: 521820

Ion Ratio Lower Upper

180 100

182 95.9 76.9 115.3

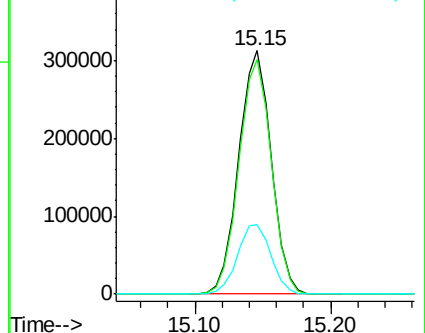
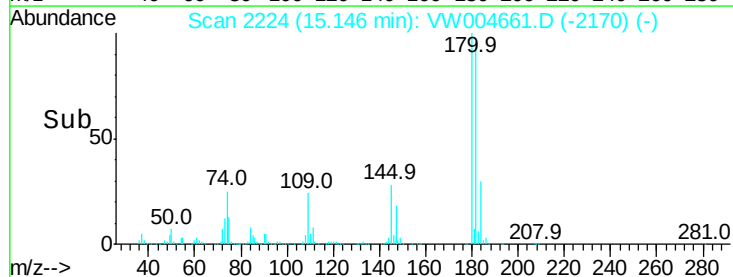
145 29.3 23.4 35.2

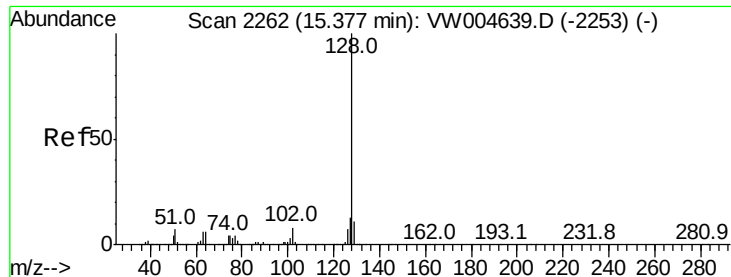


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.027 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02592

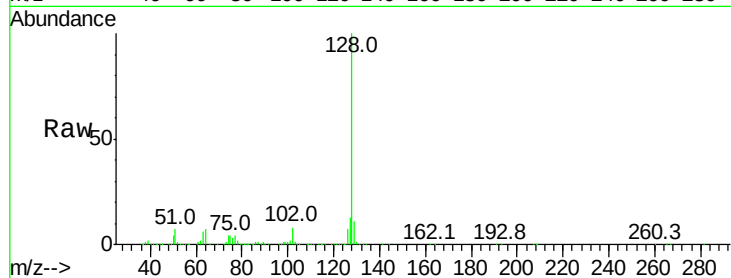
Tgt Ion:128 Resp: 1156171

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

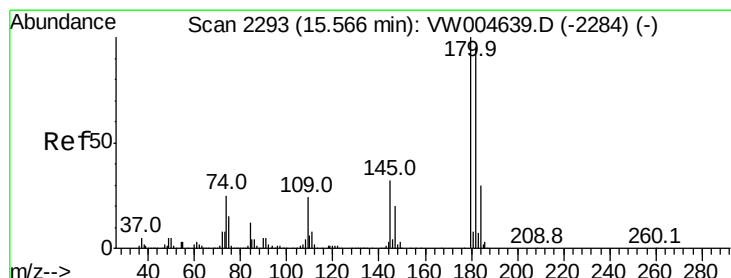
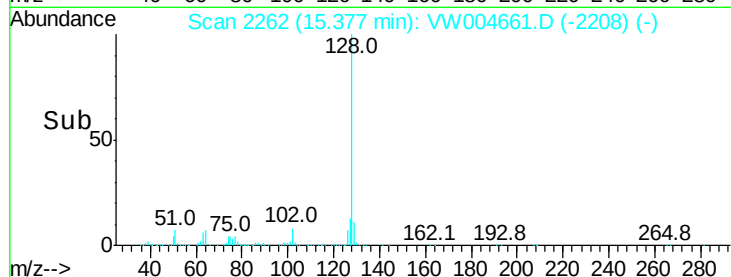
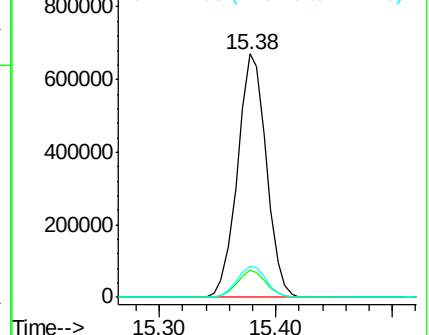
127 13.2 10.6 16.0



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: 27.236 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004661.D

Acq: 14 Aug 2018 10:37

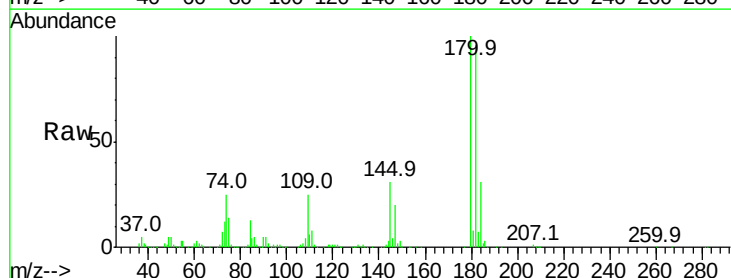
Tgt Ion:180 Resp: 516640

Ion Ratio Lower Upper

180 100

182 94.8 76.0 114.0

145 30.5 25.2 37.8



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

