

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100218\
 Data File : VW005804.D
 Acq On : 03 Oct 2018 04:37
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/105ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Quant Time: Oct 03 08:13:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 03 08:01:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	228992	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	221905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	118492	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	66639	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.32%
7) Chloroethane-d5	2.90	69	55868	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
10) 1,1-Dichloroethene-d2	4.02	63	154882	24.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.20%
20) 2-Butanone-d5	7.09	46	59975	64.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.00%
24) Chloroform-d	7.65	84	166877	28.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.48%
26) 1,2-Dichloroethane-d4	8.31	65	104297	29.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	117.08%
29) Benzene-d6	8.27	84	306465	27.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.60%
33) 1,2-Dichloropropane-d6	9.27	67	90758	28.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.32%
37) Toluene-d8	10.33	98	294463	27.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.60%
38) trans-1,3-Dichloropropene-	10.58	79	42167	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.16%
39) 2-Hexanone-d5	10.93	63	48430	65.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.28%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	96081	31.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	124.60%#
61) 1,2-Dichlorobenzene-d4	13.86	152	115806	27.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	63132	23.511 ug/L	96
3) Chloromethane	2.21	50	46249	18.490 ug/L	99
5) Vinyl chloride	2.37	62	81048	22.472 ug/L	96
6) Bromomethane	2.79	94	47744	22.002 ug/L	100
8) Chloroethane	2.93	64	47530	23.702 ug/L	96
9) Trichlorofluoromethane	3.26	101	56193	20.391 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	81968	26.330 ug/L	99
12) 1,1-Dichloroethene	4.04	96	72892	24.516 ug/L	93
13) Acetone	4.14	43	45213	46.328 ug/L	73
14) Carbon disulfide	4.38	76	205849	22.081 ug/L	99
15) Methyl Acetate	4.68	43	46517	26.858 ug/L	97
16) Methylene chloride	4.91	84	88908	23.547 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	112392	23.758 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	73455	24.022 ug/L	98
19) 1,1-Dichloroethane	6.22	63	143696	25.396 ug/L	98
21) 2-Butanone	7.18	43	62063	53.101 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	82474	24.813 ug/L	95

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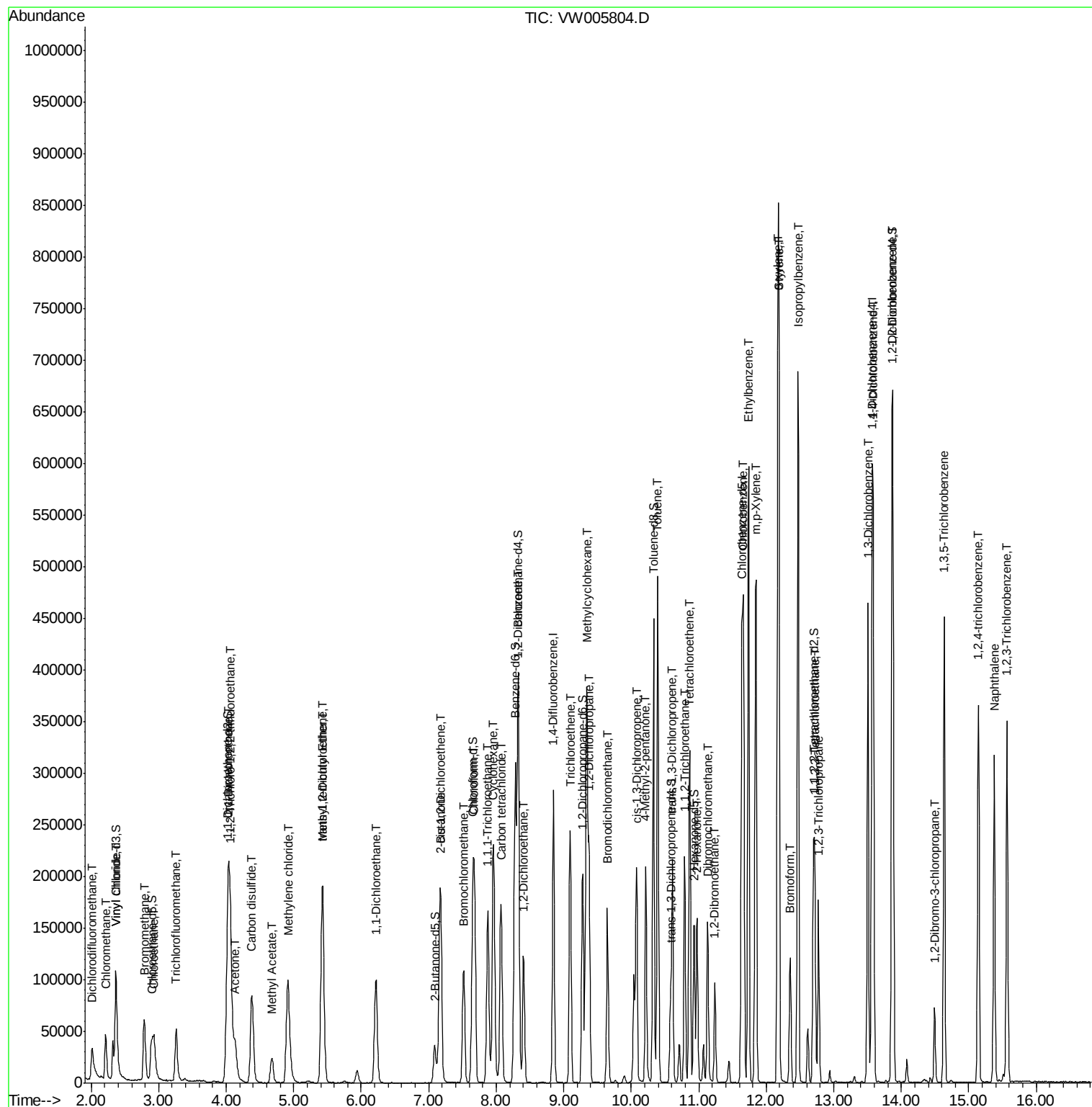
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	38876	25.201	ug/L	98
25) Chloroform	7.68	83	157818	26.069	ug/L	100
27) 1,2-Dichloroethane	8.40	62	116253	26.082	ug/L	100
30) Cyclohexane	7.96	56	122355	24.328	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	138710	25.526	ug/L	99
32) Carbon tetrachloride	8.07	117	136087	25.716	ug/L	99
34) Benzene	8.33	78	323287	25.784	ug/L	100
35) Trichloroethene	9.09	95	85409	25.462	ug/L	99
36) Methylcyclohexane	9.34	83	148234	25.414	ug/L	98
40) 1,2-Dichloropropane	9.38	63	81654	26.722	ug/L	99
41) Bromodichloromethane	9.65	83	113148	26.337	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	120079	23.796	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	131018	52.542	ug/L	99
44) Toluene	10.39	91	353772	25.248	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	113194	24.091	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	66689	26.155	ug/L	100
47) Tetrachloroethene	10.87	164	72842	24.648	ug/L	95
49) 2-Hexanone	10.98	43	99139	56.639	ug/L	99
50) Dibromochloromethane	11.13	129	83985	26.263	ug/L	94
51) 1,2-Dibromoethane	11.24	107	64092	26.000	ug/L	99
52) Chlorobenzene	11.66	112	229636	24.912	ug/L	100
53) Ethylbenzene	11.74	91	402929	25.115	ug/L	100
54) m,p-Xylene	11.85	106	153626	25.417	ug/L	95
55) o-xylene	12.17	106	144272	25.325	ug/L	100
56) Styrene	12.19	104	262510	26.257	ug/L	98
57) Isopropylbenzene	12.47	105	416229	25.580	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	90254	27.748	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	72151	27.326	ug/L	99
62) Bromoform	12.35	173	57116	27.107	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	183424	24.370	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	193860	24.664	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	184554	25.483	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	17962	26.085	ug/L	88
67) 1,3,5-Trichlorobenzene	14.64	180	146373	23.695	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	123840	24.405	ug/L	99
69) Naphthalene	15.38	128	267901	26.348	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	122053	25.664	ug/L	99

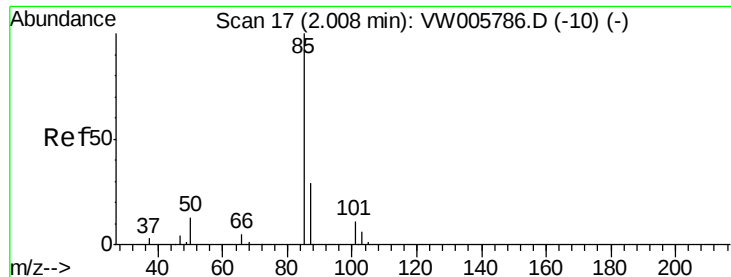
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.511 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

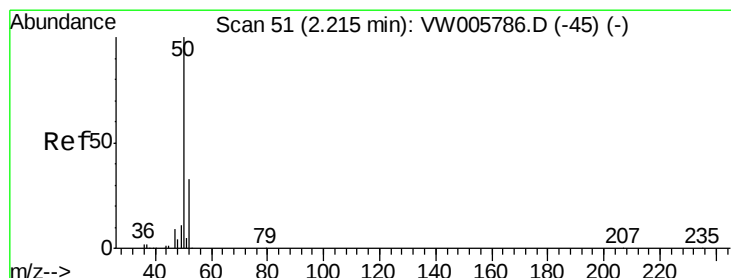
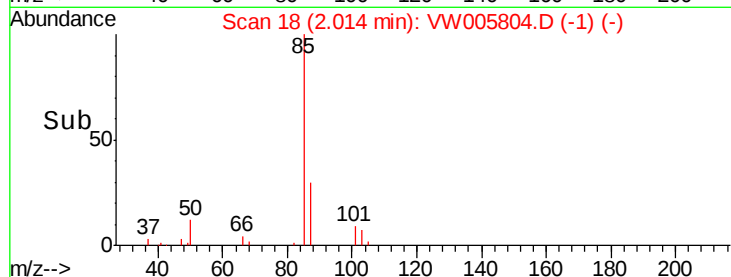
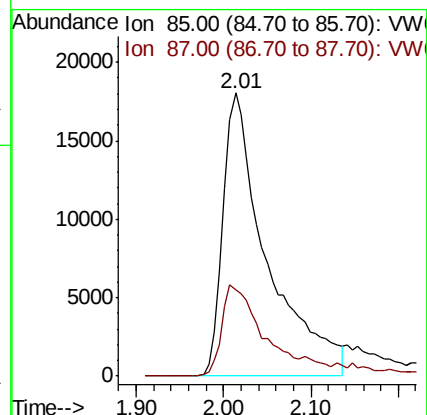
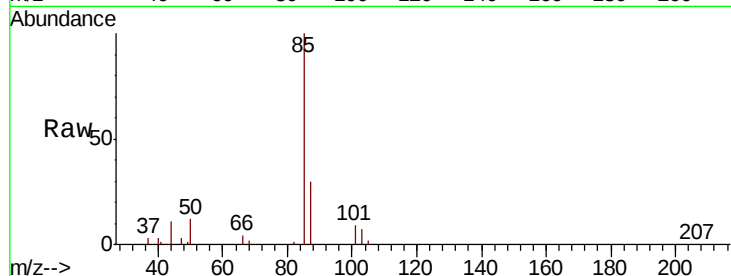
VSTD02588

Tgt Ion: 85 Resp: 63132

Ion Ratio Lower Upper

85 100

87 29.4 19.2 35.6



#3

Chloromethane

Concen: 18.490 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005804.D

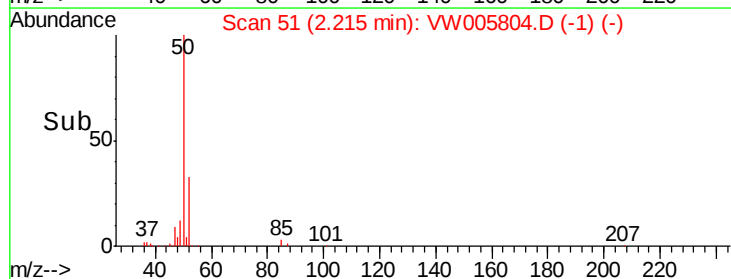
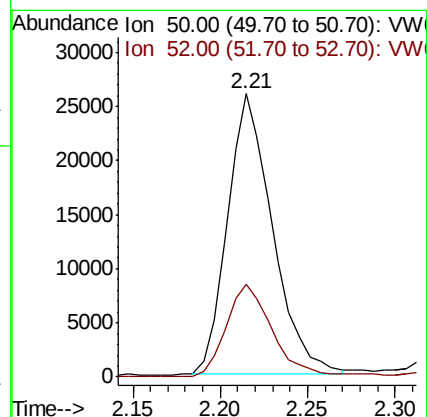
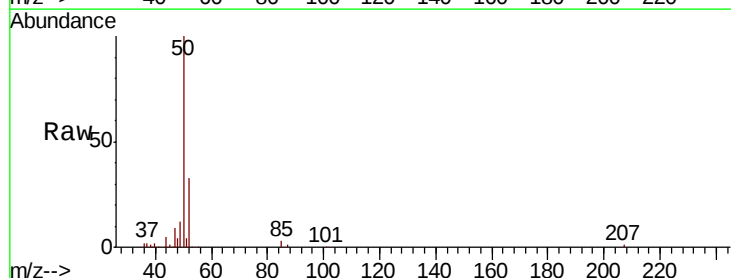
Acq: 03 Oct 2018 04:37

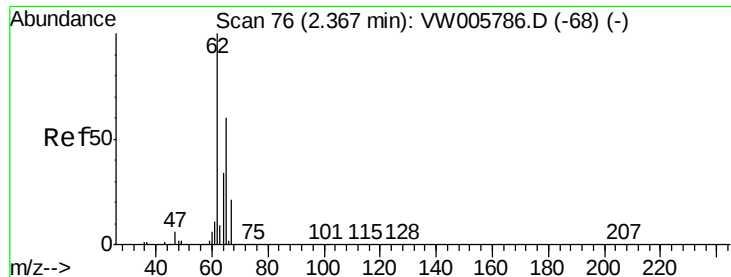
Tgt Ion: 50 Resp: 46249

Ion Ratio Lower Upper

50 100

52 32.7 23.4 43.4





#5

Vinyl chloride

Concen: 22.472 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

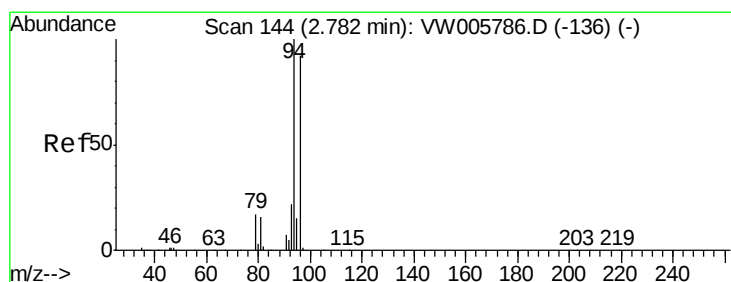
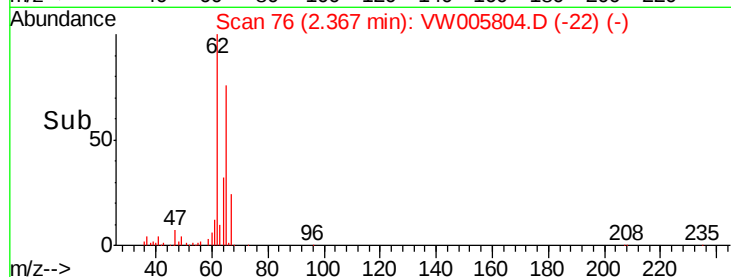
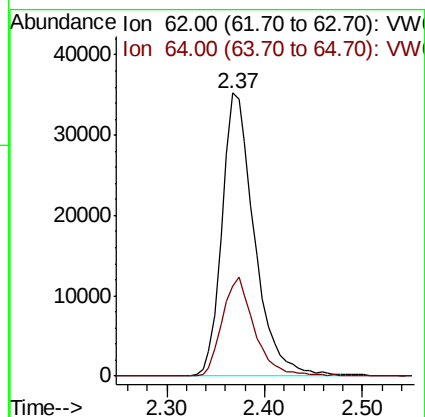
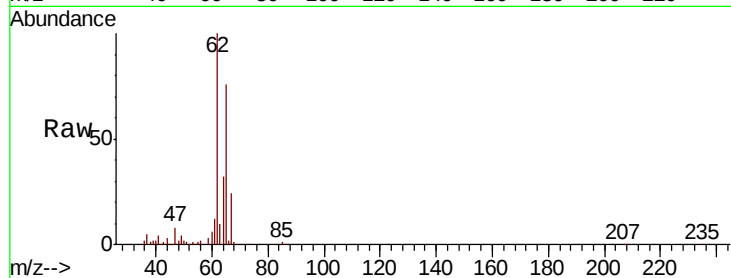
VSTD02588

Tgt Ion: 62 Resp: 81048

Ion Ratio Lower Upper

62 100

64 32.0 24.1 44.7



#6

Bromomethane

Concen: 22.002 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW005804.D

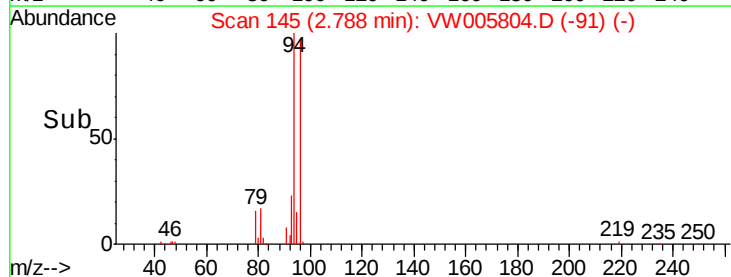
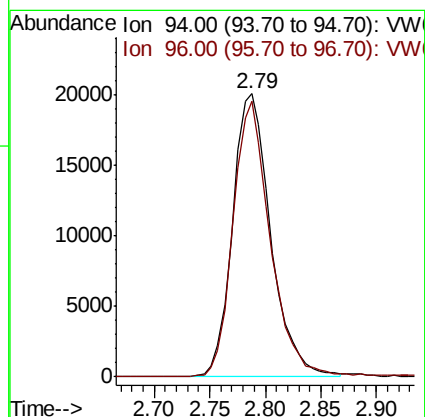
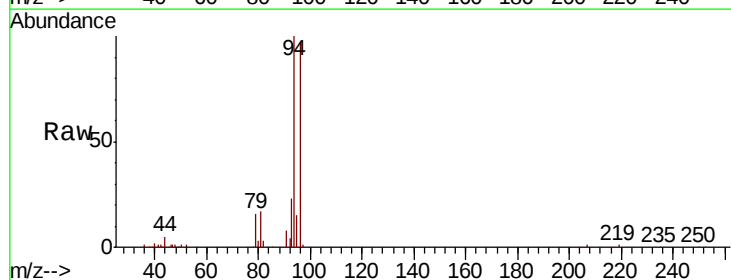
Acq: 03 Oct 2018 04:37

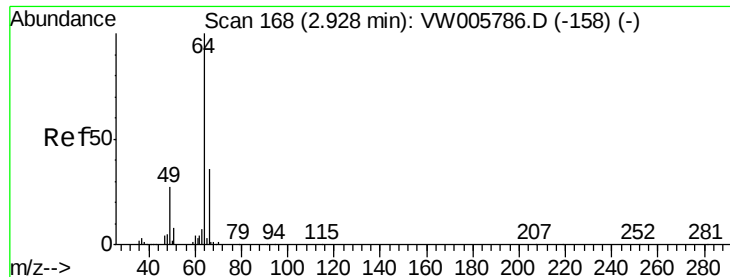
Tgt Ion: 94 Resp: 47744

Ion Ratio Lower Upper

94 100

96 95.1 9.6 181.6

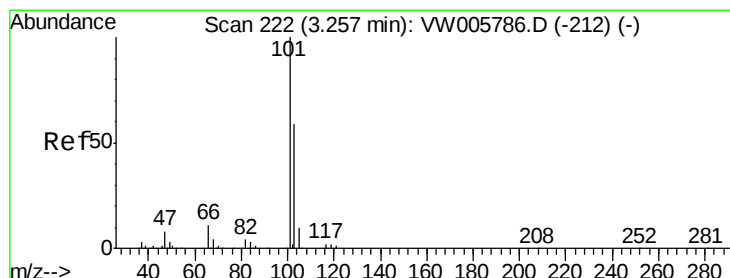
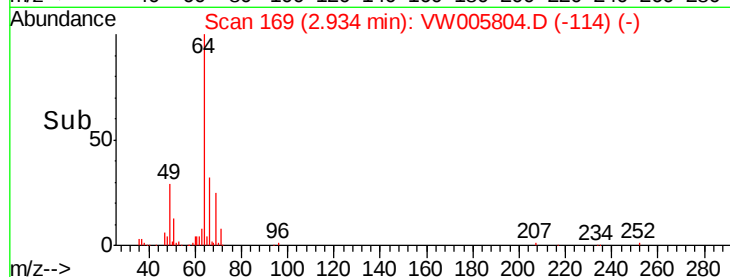
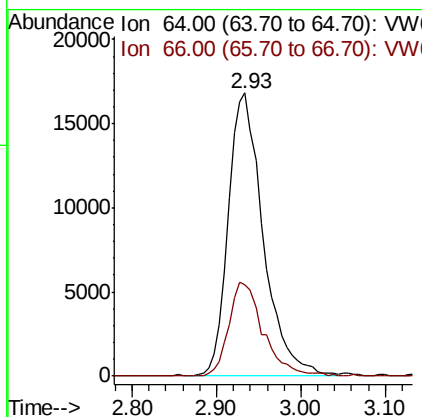
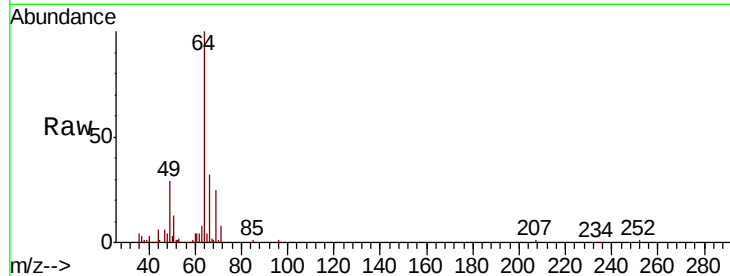




#8
Chloroethane
Concen: 23.702 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

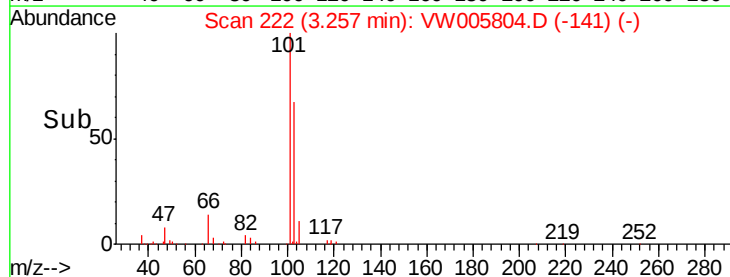
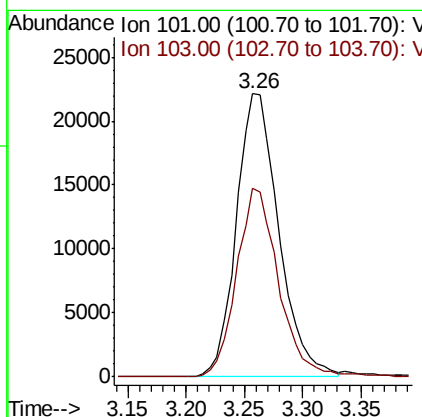
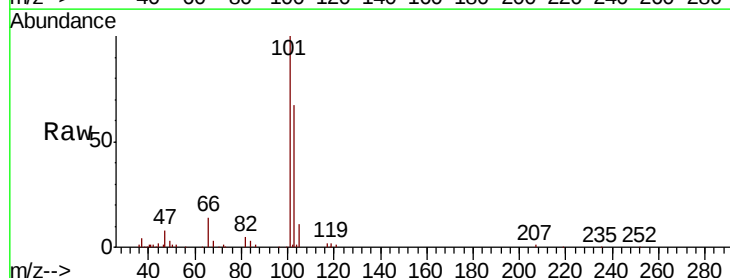
Instrument :
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ClientSampleId :
VSTD02588

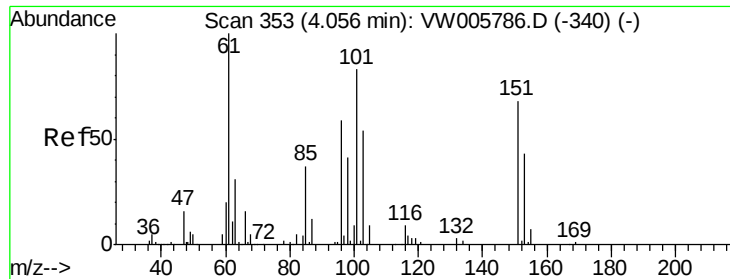
Tgt Ion: 64 Resp: 47530
Ion Ratio Lower Upper
64 100
66 32.4 21.1 39.3



#9
Trichlorofluoromethane
Concen: 20.391 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

Tgt Ion: 101 Resp: 56193
Ion Ratio Lower Upper
101 100
103 65.3 44.9 83.5





#11

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

Concen: 26.330 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

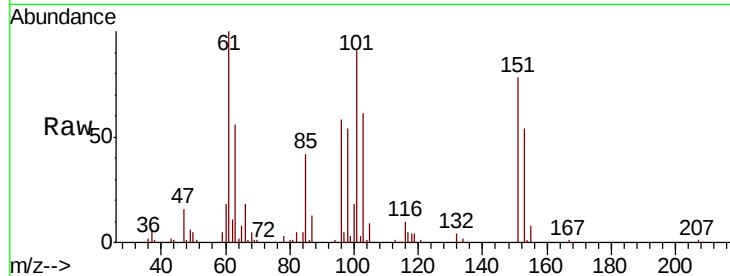
Tgt Ion:101 Resp: 81968

Ion Ratio Lower Upper

101 100

85 42.7 35.0 52.4

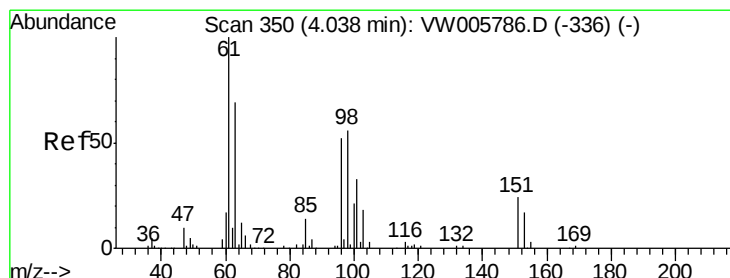
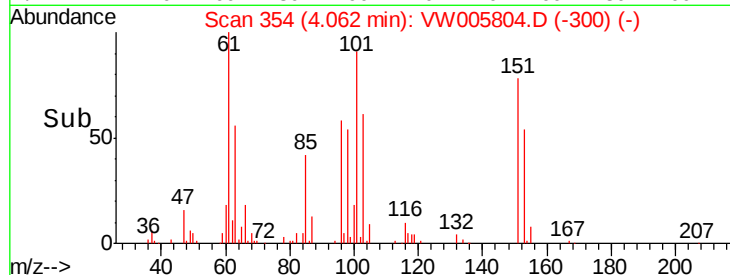
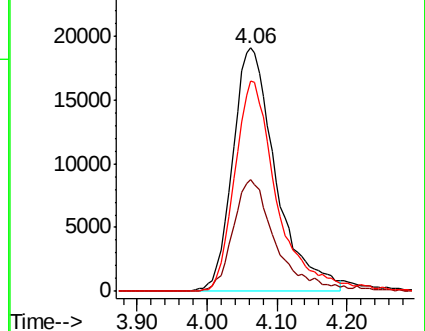
151 82.7 66.4 99.6



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: 24.516 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

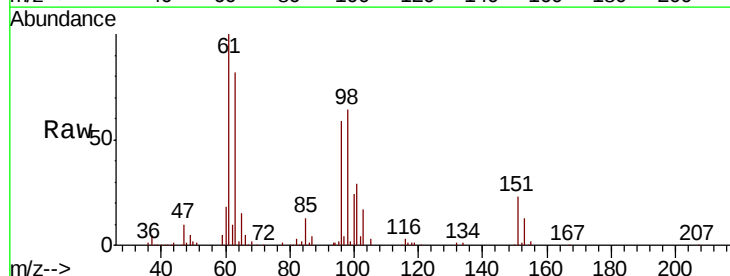
Tgt Ion: 96 Resp: 72892

Ion Ratio Lower Upper

96 100

61 169.8 121.4 225.6

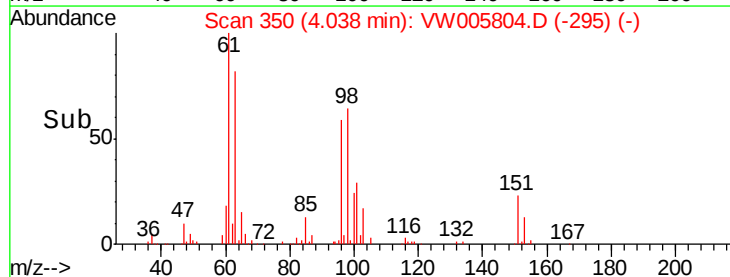
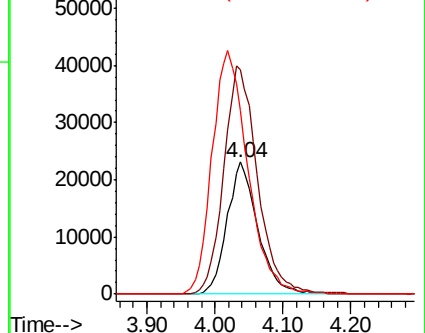
63 139.1 87.2 161.9

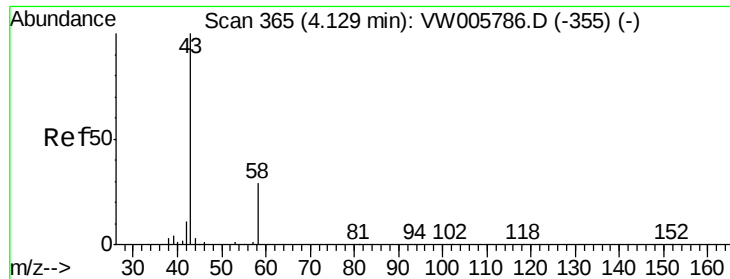


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.328 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

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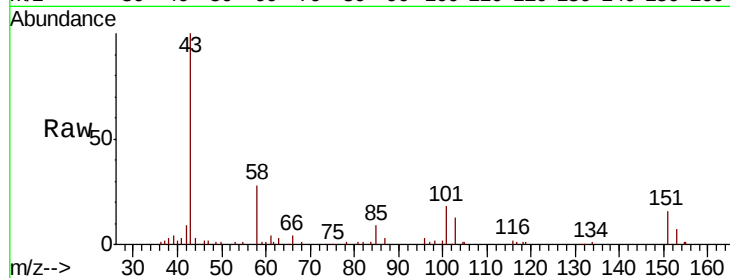
VSTD02588

Tgt Ion: 43 Resp: 45213

Ion Ratio Lower Upper

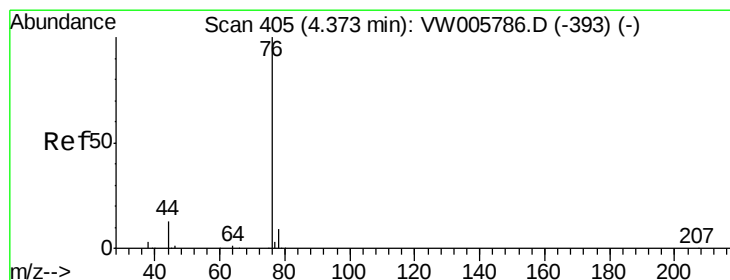
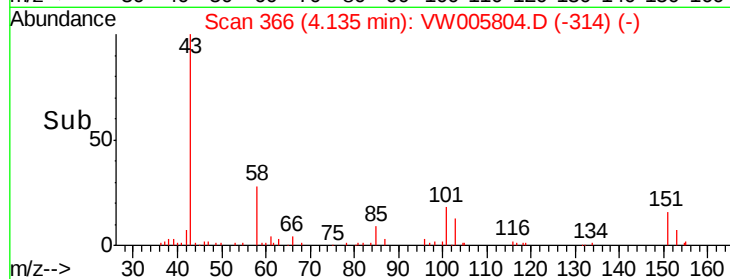
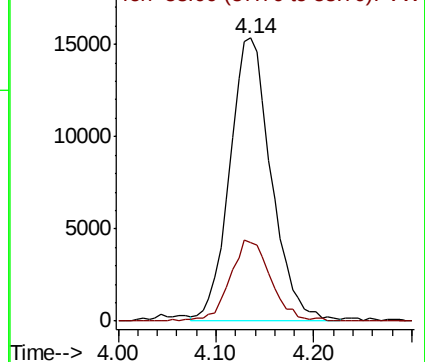
43 100

58 27.5 0.0 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 22.081 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW005804.D

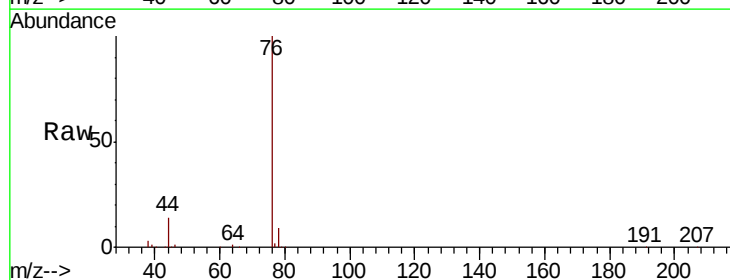
Acq: 03 Oct 2018 04:37

Tgt Ion: 76 Resp: 205849

Ion Ratio Lower Upper

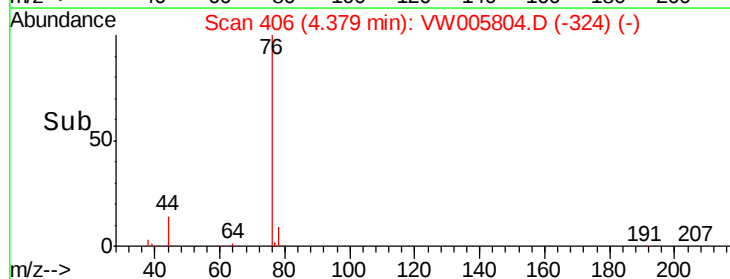
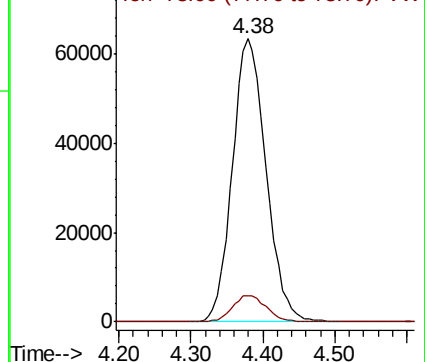
76 100

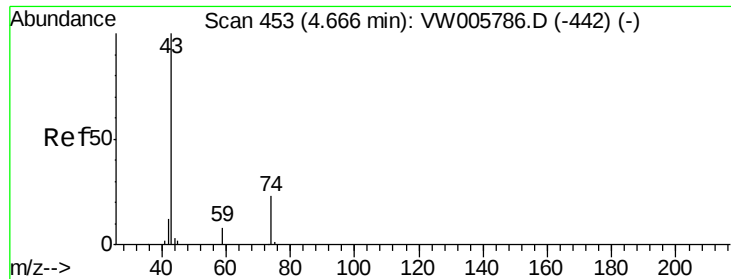
78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 26.858 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

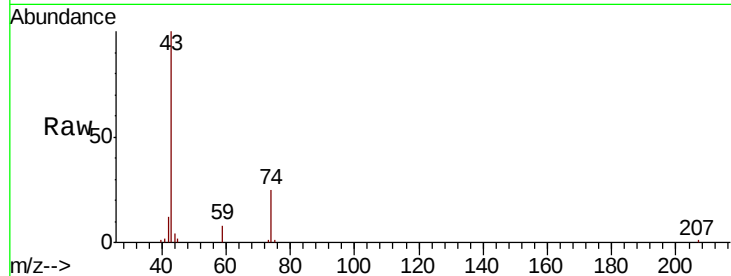
VSTD02588

Tgt Ion: 43 Resp: 46517

Ion Ratio Lower Upper

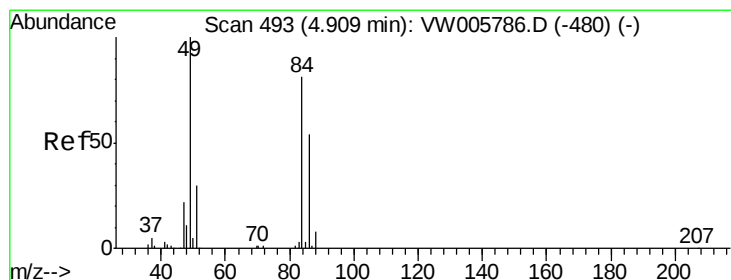
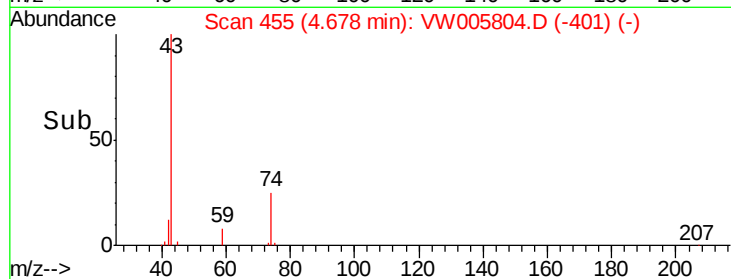
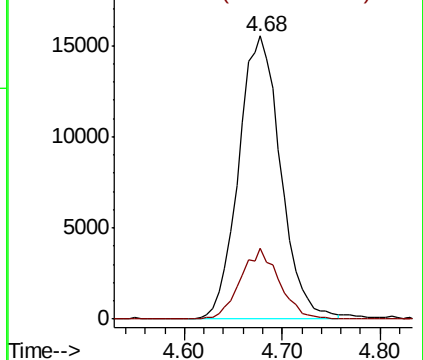
43 100

74 23.0 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.547 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

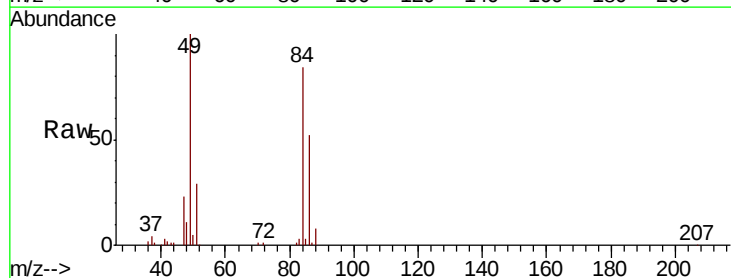
Tgt Ion: 84 Resp: 88908

Ion Ratio Lower Upper

84 100

49 118.5 87.2 162.0

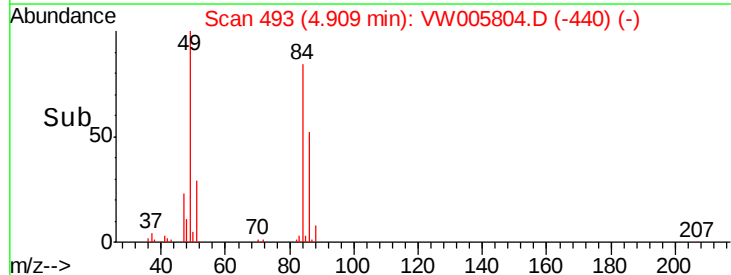
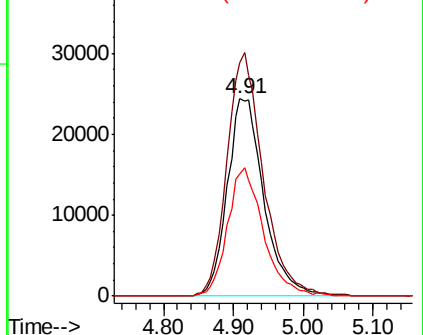
86 61.8 43.2 80.2

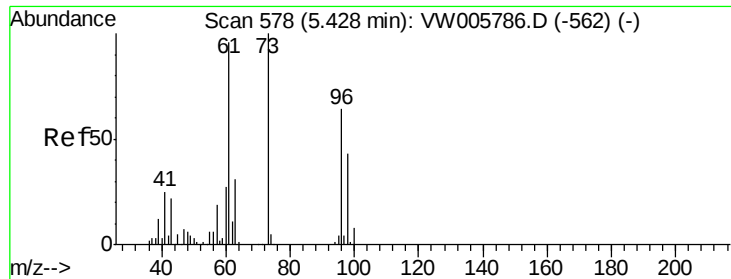


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

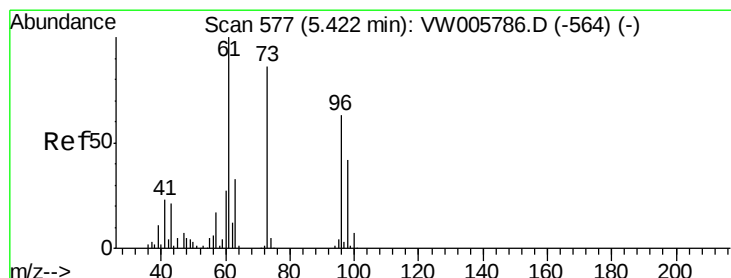
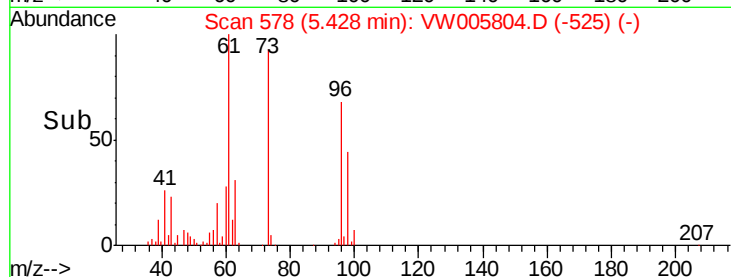
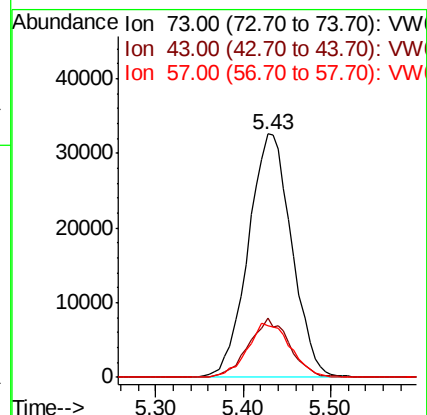
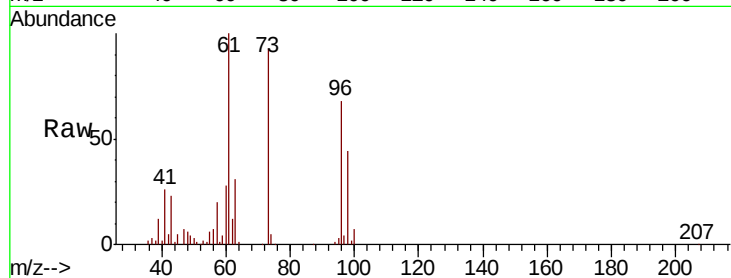




#17
Methyl tert-butyl Ether
Concen: 23.758 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

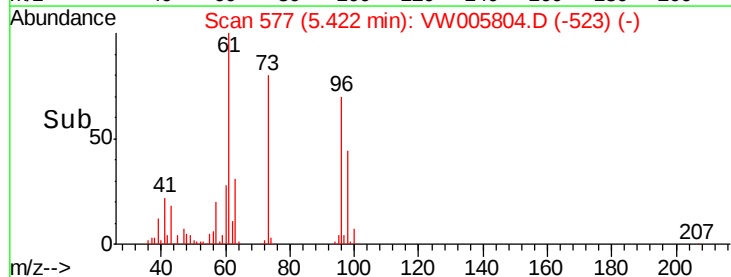
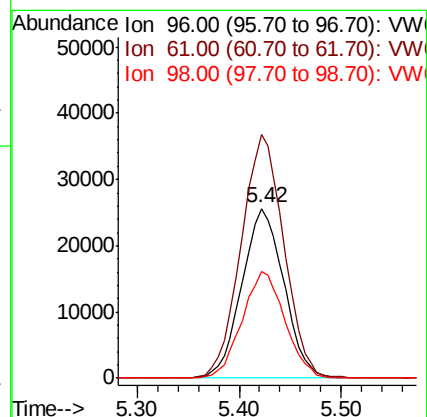
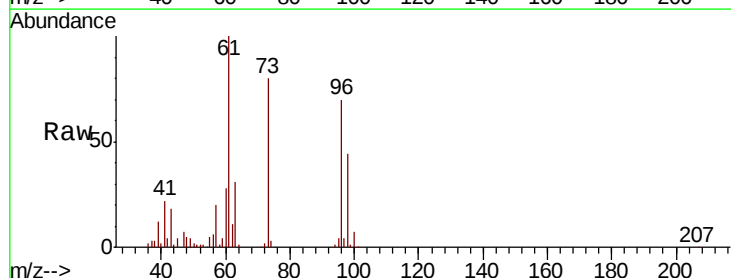
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

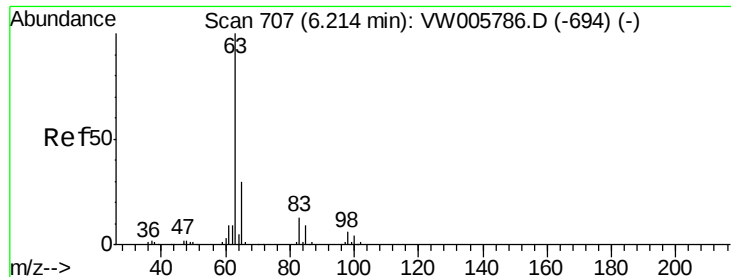
Tgt Ion: 73 Resp: 112392
Ion Ratio Lower Upper
73 100
43 23.0 18.2 27.4
57 22.2 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 24.022 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

Tgt Ion: 96 Resp: 73455
Ion Ratio Lower Upper
96 100
61 143.4 98.6 183.2
98 62.6 43.7 81.1

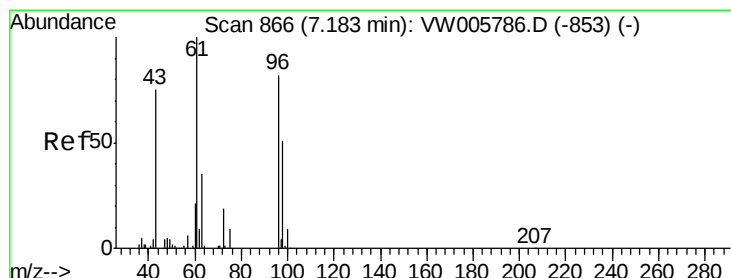
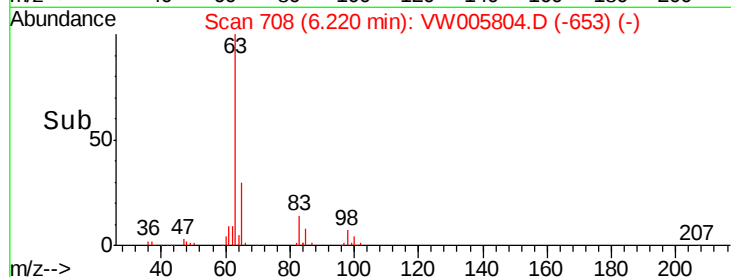
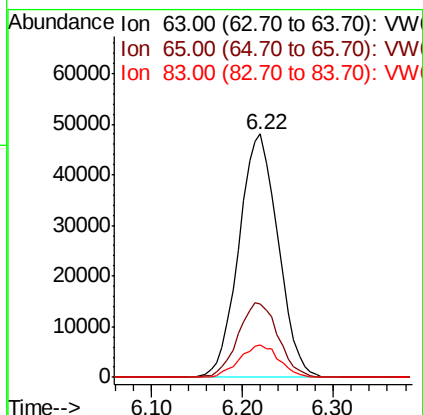
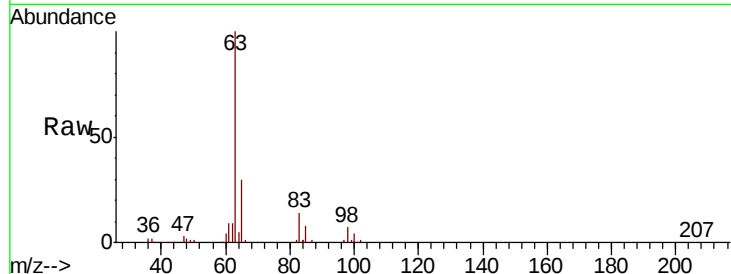




#19
 1,1-Dichloroethane
 Concen: 25.396 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

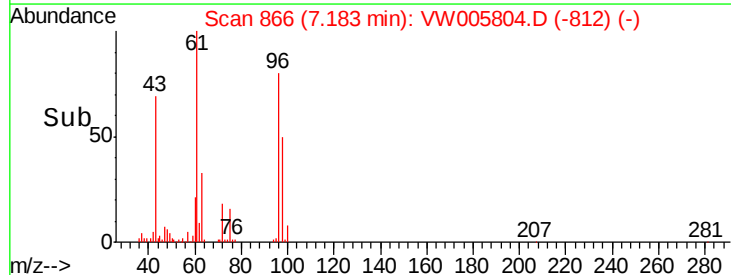
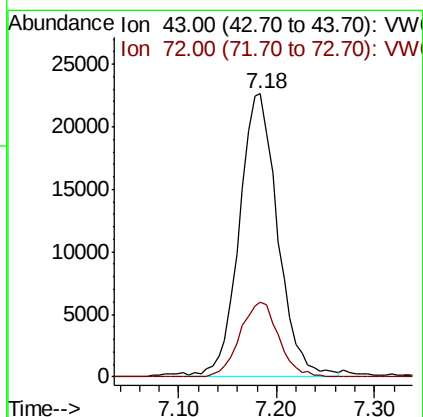
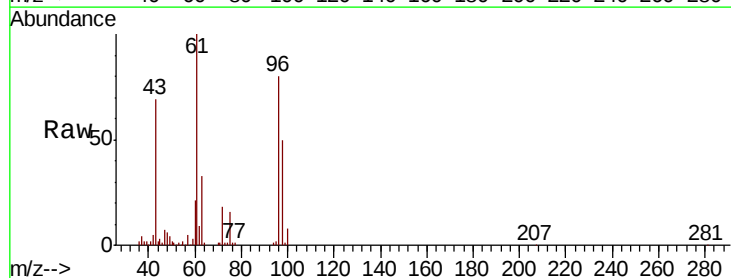
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

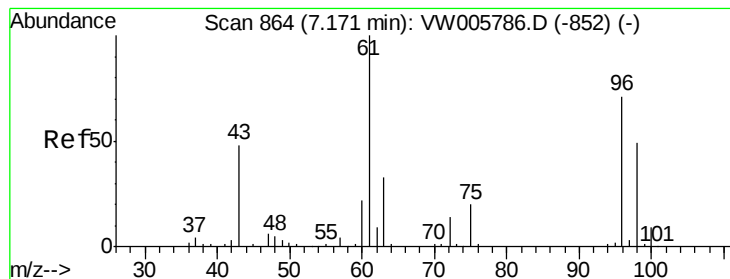
Tgt Ion: 63 Resp: 143696
 Ion Ratio Lower Upper
 63 100
 65 29.9 21.8 40.4
 83 13.6 9.7 18.1



#21
 2-Butanone
 Concen: 53.101 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion: 43 Resp: 62063
 Ion Ratio Lower Upper
 43 100
 72 26.6 13.2 39.6



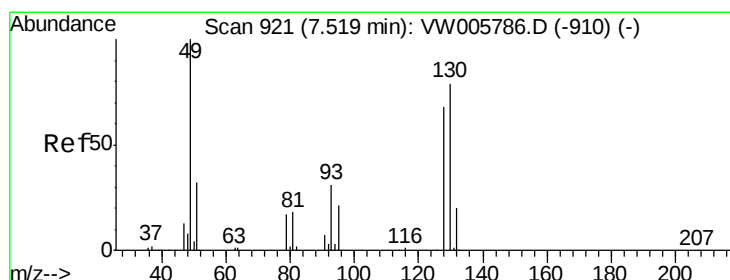
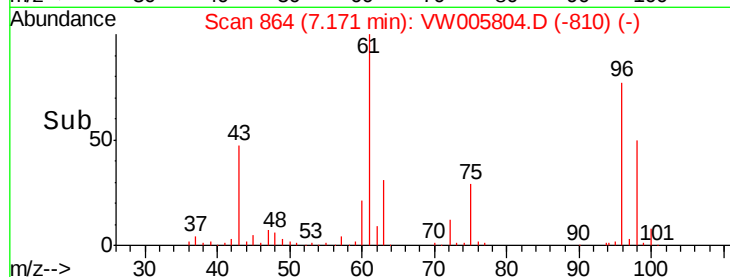
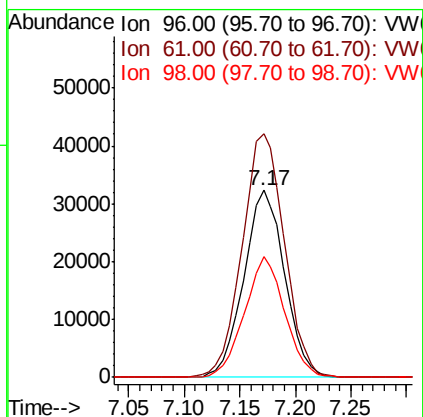
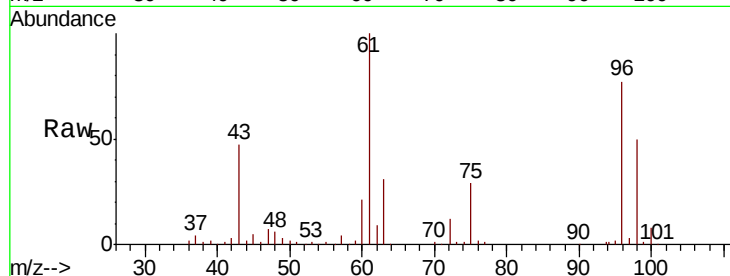


#22

cis-1,2-Dichloroethene
 Concen: 24.813 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02588

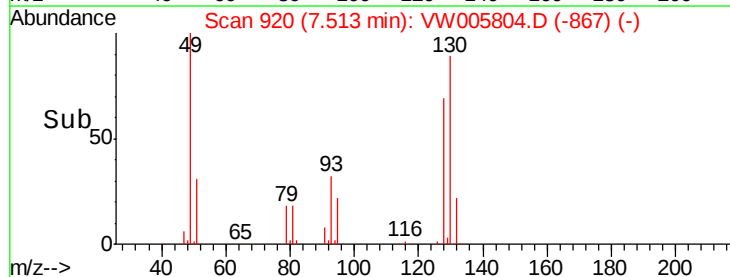
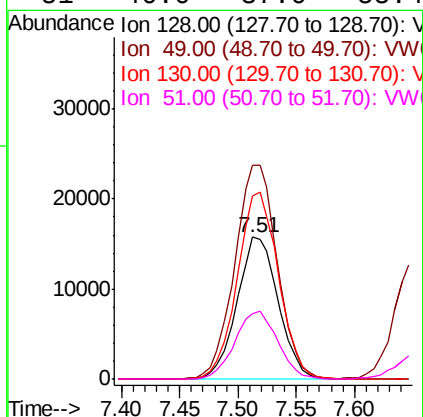
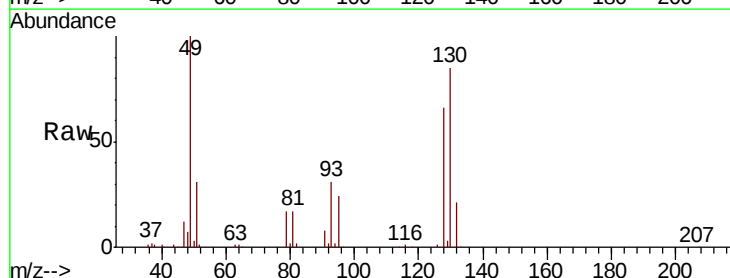
Tgt Ion: 96 Resp: 82474
 Ion Ratio Lower Upper
 96 100
 61 130.0 95.7 177.7
 98 64.8 44.1 81.9

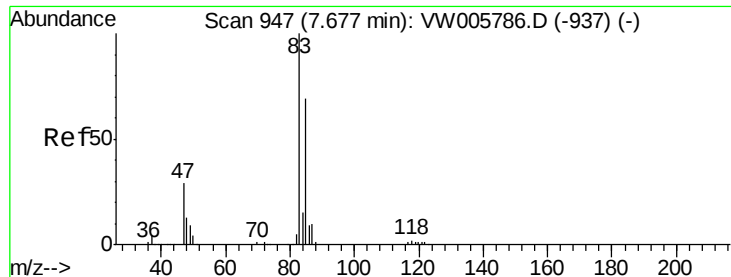


#23

Bromochloromethane
 Concen: 25.201 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion: 128 Resp: 38876
 Ion Ratio Lower Upper
 128 100
 49 150.6 108.1 200.7
 130 128.8 89.3 165.9
 51 46.0 37.0 55.4





#25

Chloroform

Concen: 26.069 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

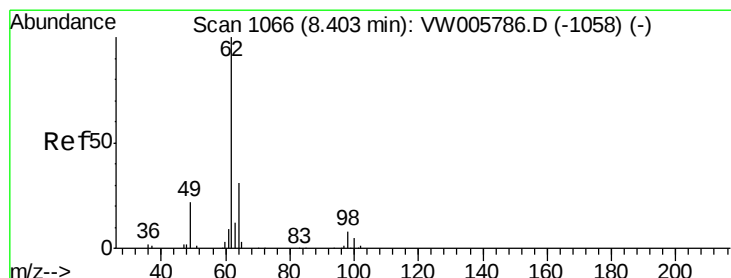
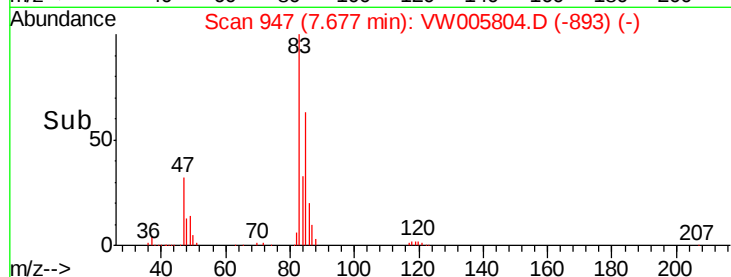
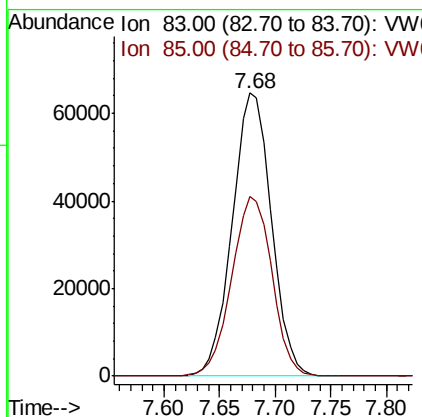
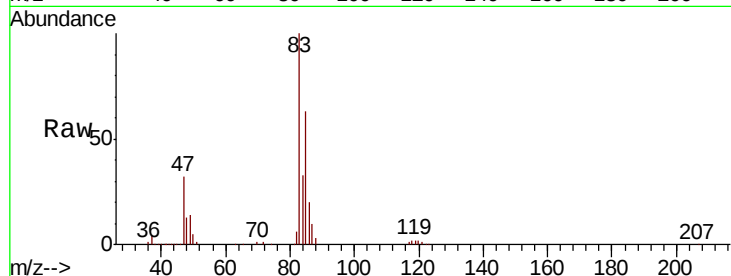
VSTD02588

Tgt Ion: 83 Resp: 157818

Ion Ratio Lower Upper

83 100

85 65.3 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.082 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005804.D

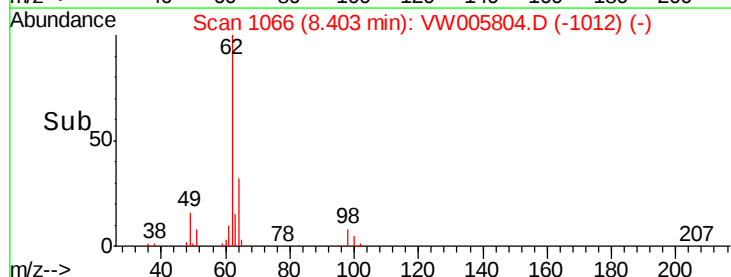
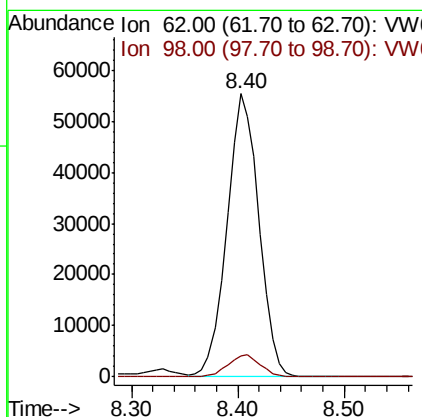
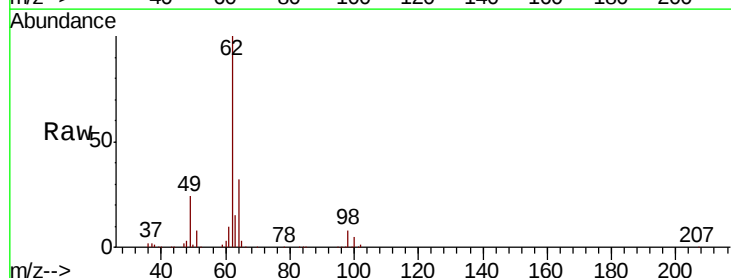
Acq: 03 Oct 2018 04:37

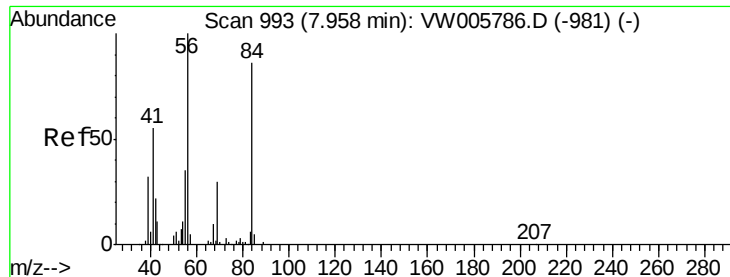
Tgt Ion: 62 Resp: 116253

Ion Ratio Lower Upper

62 100

98 7.5 6.2 9.2

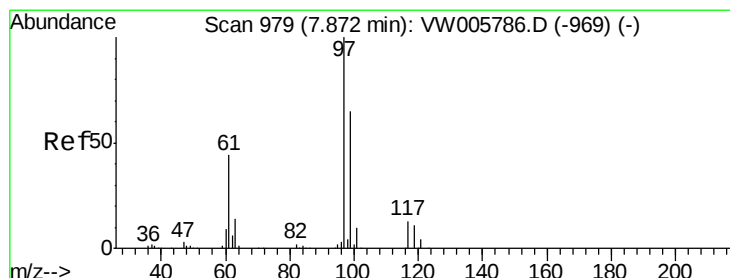
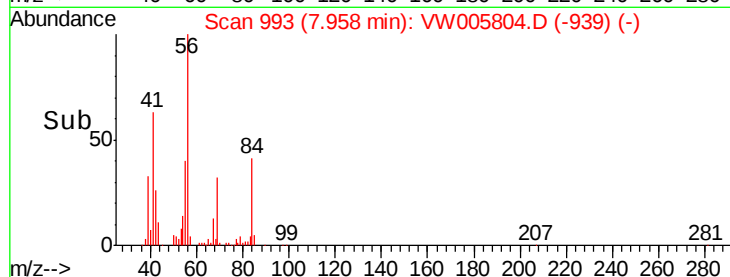
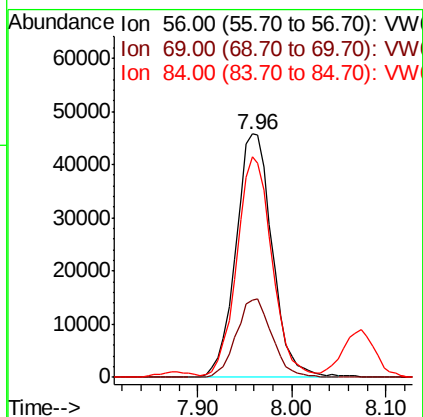
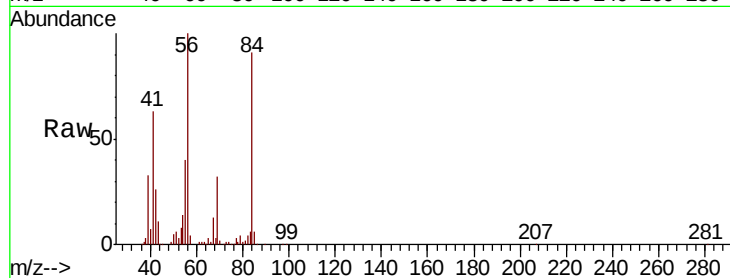




#30
Cyclohexane
Concen: 24.328 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

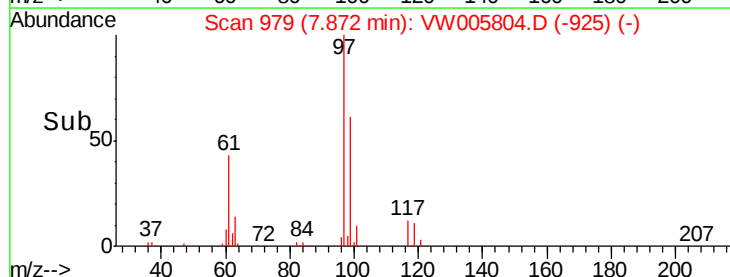
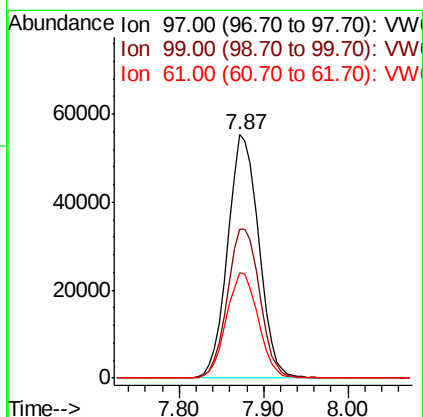
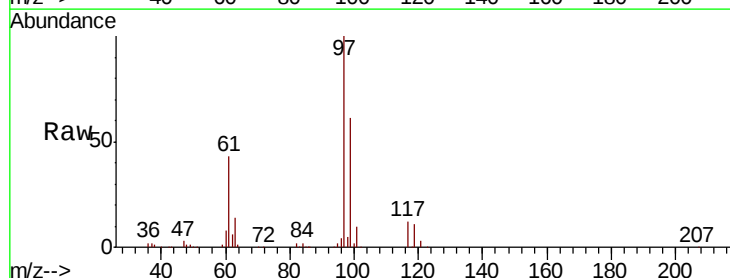
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

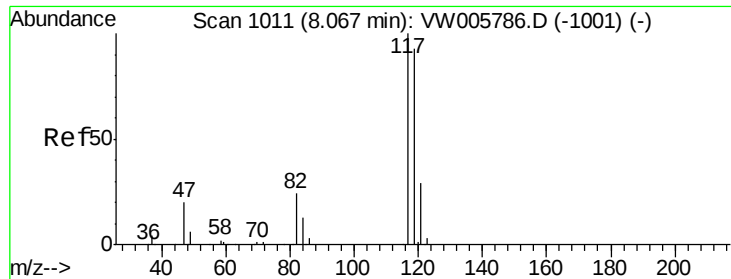
Tgt Ion: 56 Resp: 122355
Ion Ratio Lower Upper
56 100
69 31.6 25.0 37.6
84 88.4 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 25.526 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

Tgt Ion: 97 Resp: 138710
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.8
61 44.4 35.4 53.2





#32

Carbon tetrachloride

Concen: 25.716 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

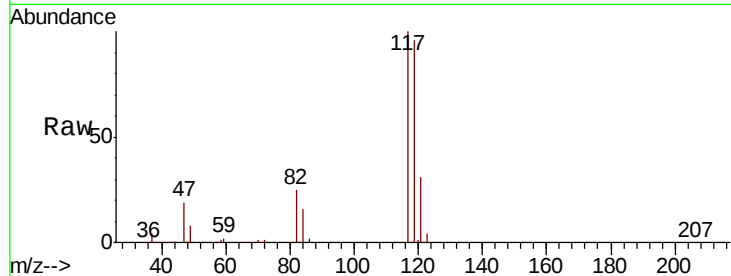
VSTD02588

Tgt Ion:117 Resp: 136087

Ion Ratio Lower Upper

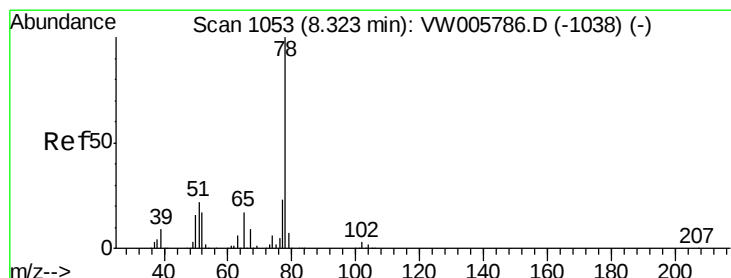
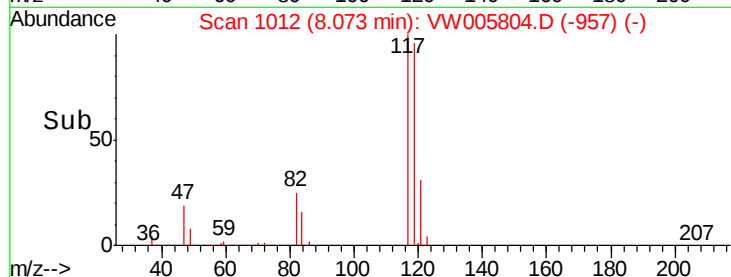
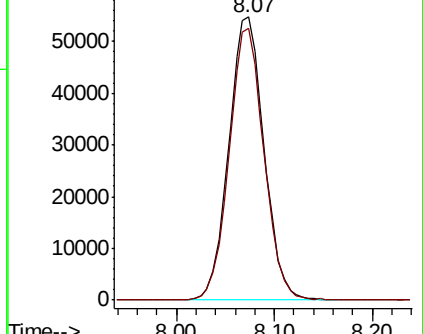
117 100

119 95.0 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.784 ug/L

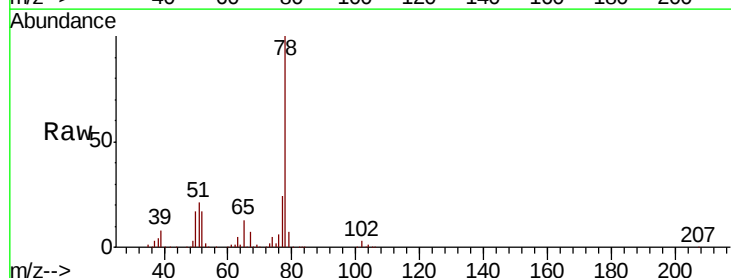
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

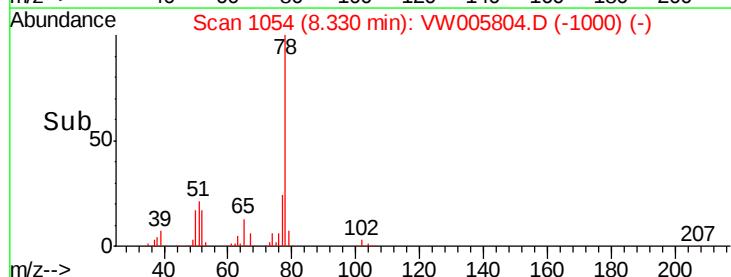
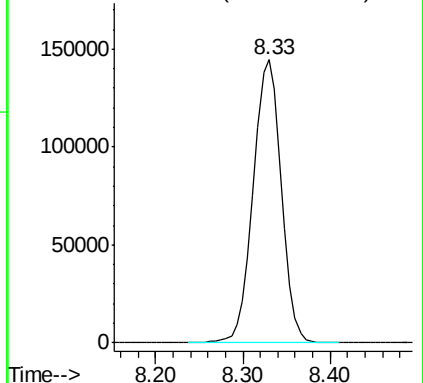
Lab File: VW005804.D

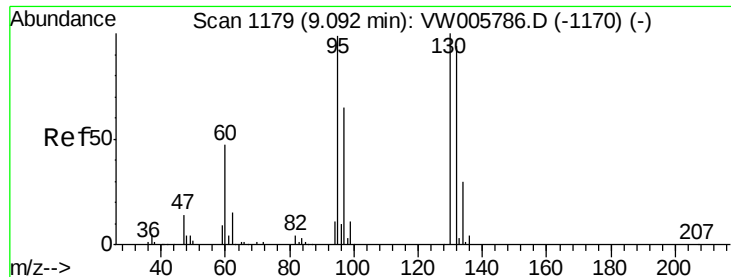
Acq: 03 Oct 2018 04:37

Tgt Ion: 78 Resp: 323287



Abundance Ion 78.00 (77.70 to 78.70): VW

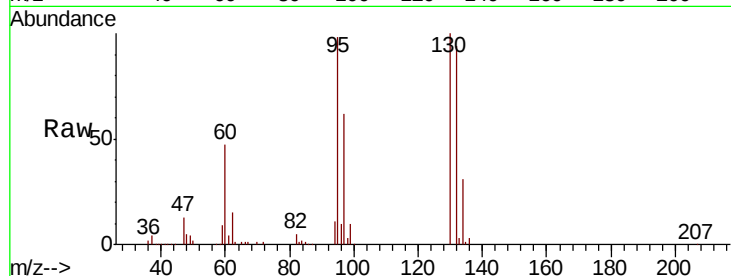




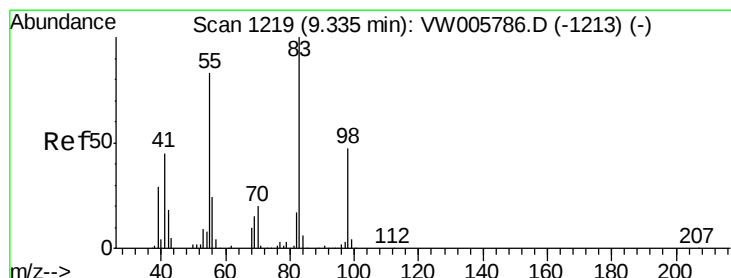
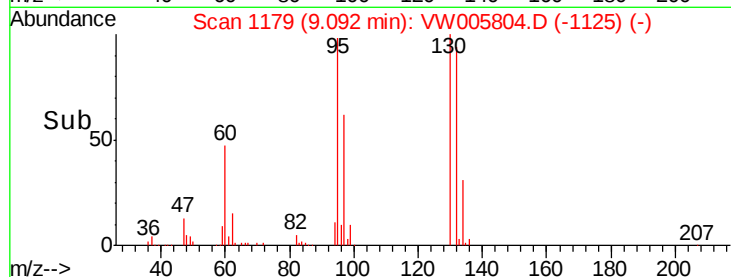
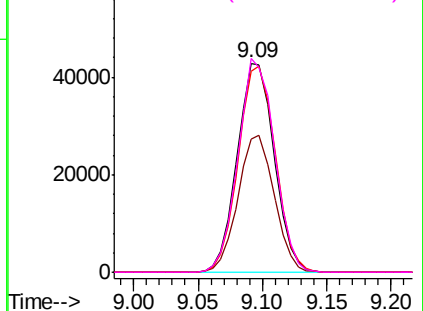
#35
 Trichloroethene
 Concen: 25.462 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:	95	Resp:	85409
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.2	84.0
132	98.4	68.0	126.4
130	100.8	71.3	132.5

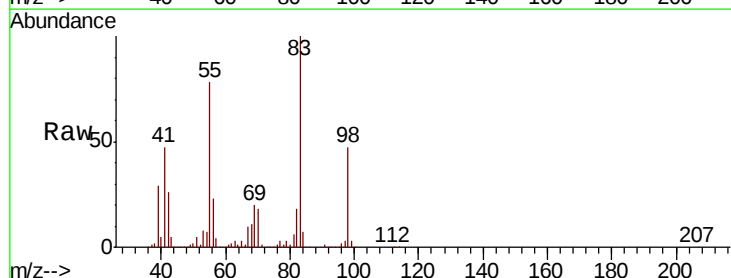


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

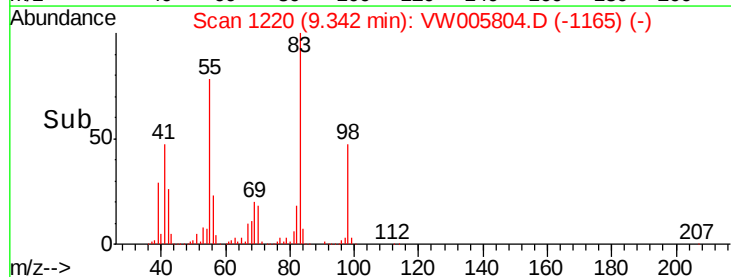
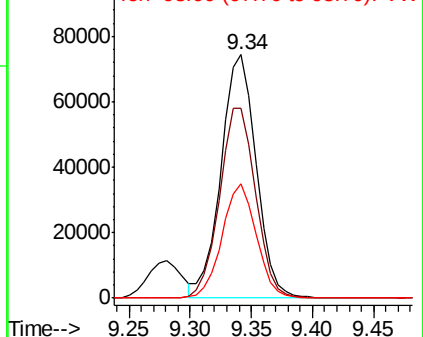


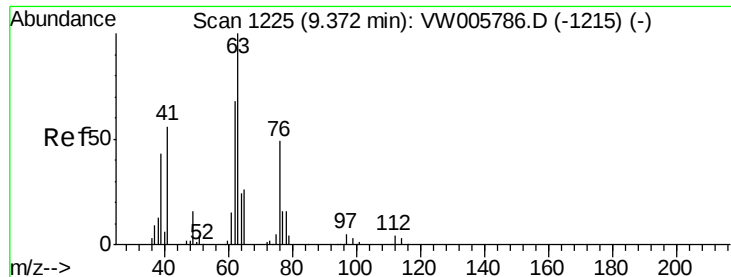
#36
 Methylcyclohexane
 Concen: 25.414 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion:	83	Resp:	148234
Ion	Ratio	Lower	Upper
83	100		
55	80.1	62.5	93.7
98	45.9	37.7	56.5



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

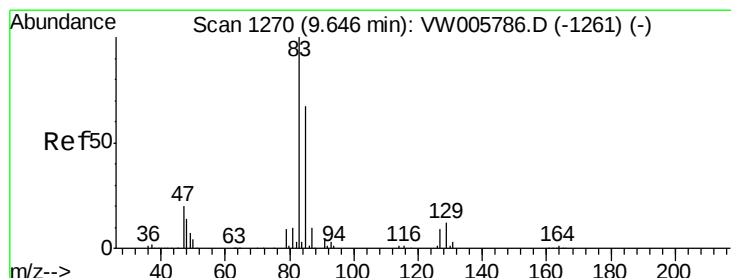
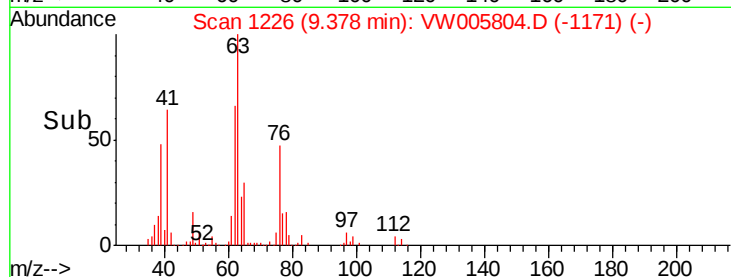
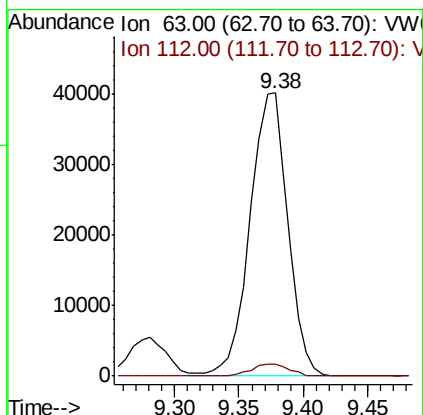
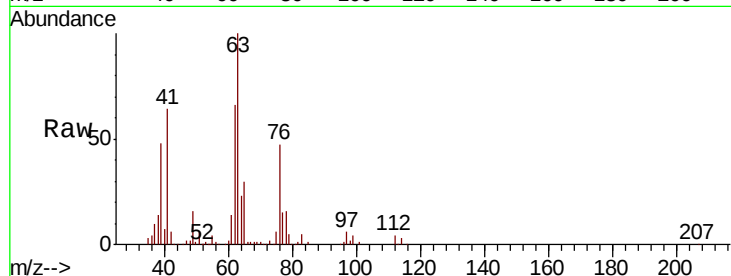




#40
 1,2-Dichloropropane
 Concen: 26.722 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

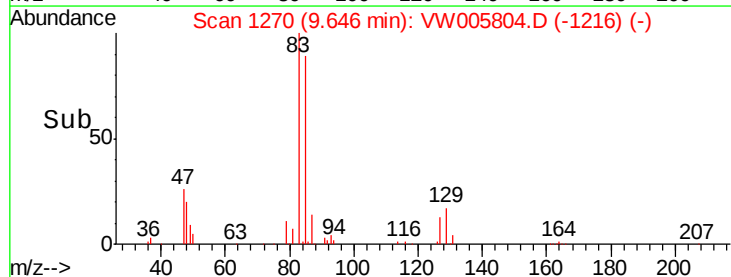
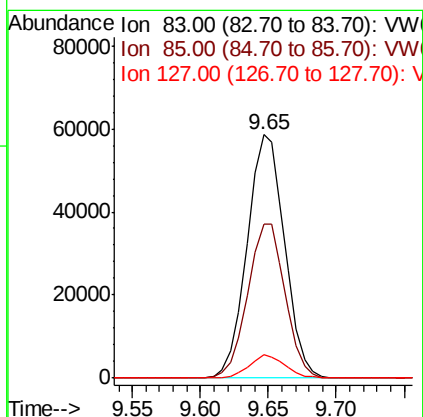
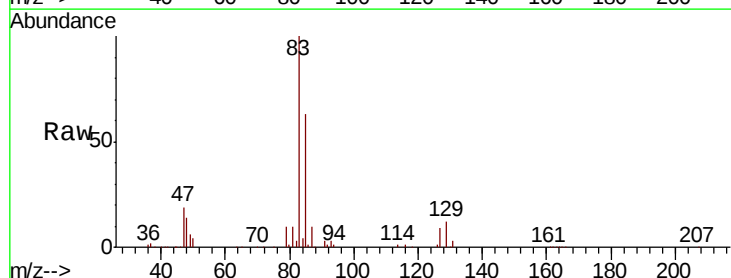
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

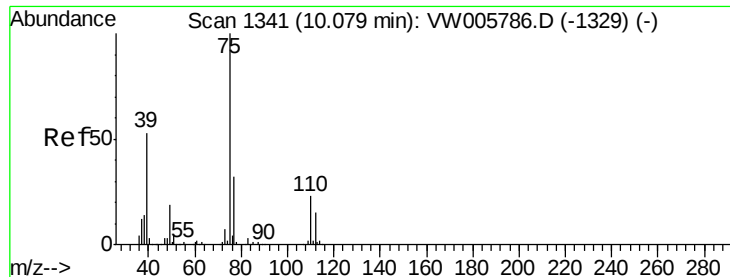
Tgt Ion: 63 Resp: 81654
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#41
 Bromodichloromethane
 Concen: 26.337 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion: 83 Resp: 113148
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.1 81.9
 127 9.5 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 23.796 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

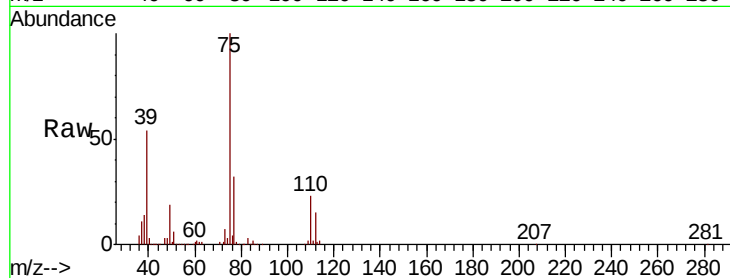
VSTD02588

Tgt Ion: 75 Resp: 120079

Ion Ratio Lower Upper

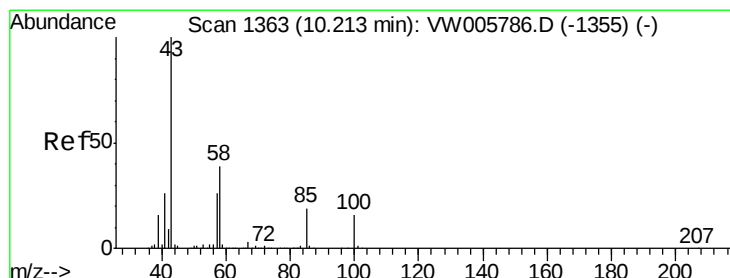
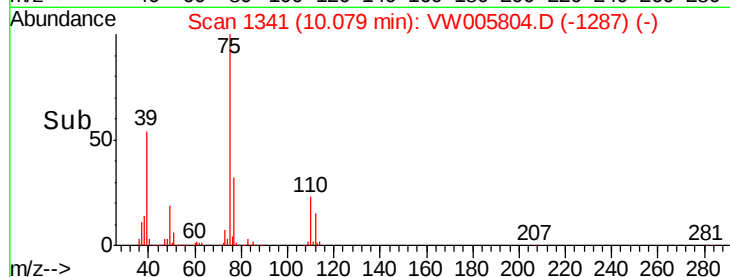
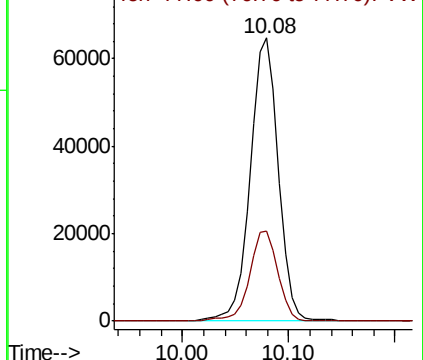
75 100

77 31.9 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 52.542 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

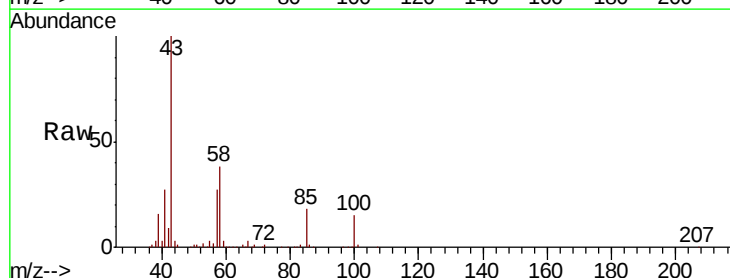
Tgt Ion: 43 Resp: 131018

Ion Ratio Lower Upper

43 100

58 38.0 29.8 44.8

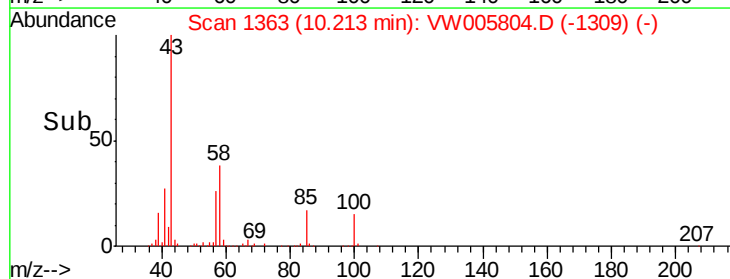
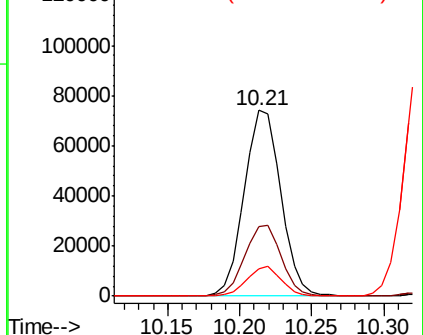
100 15.0 12.2 18.4

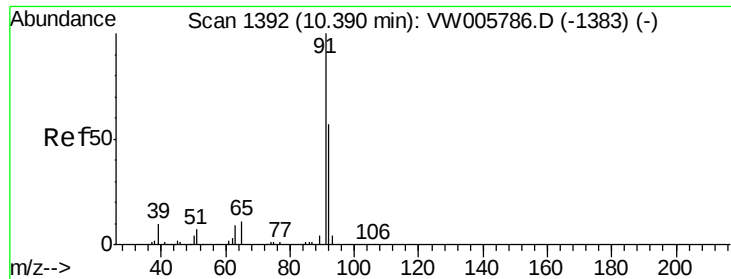


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 25.248 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

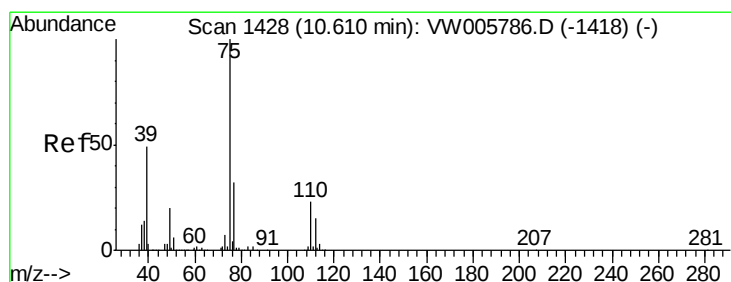
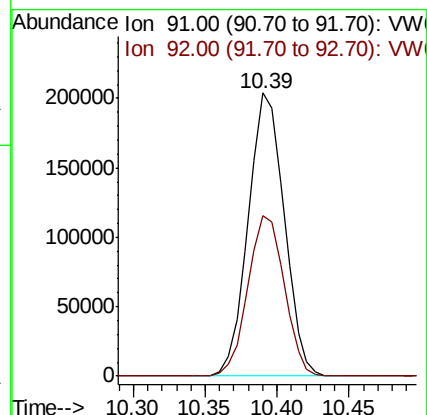
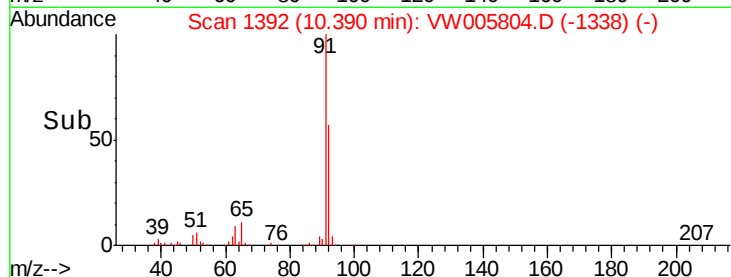
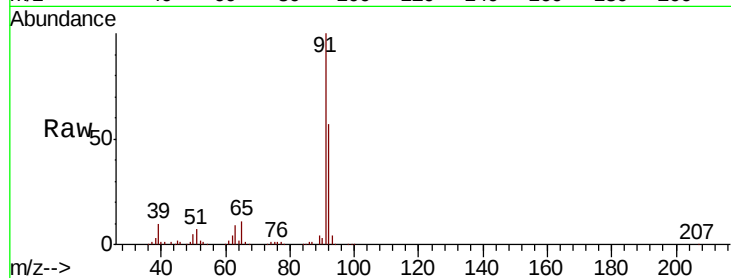
VSTD02588

Tgt Ion: 91 Resp: 353772

Ion Ratio Lower Upper

91 100

92 56.6 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 24.091 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005804.D

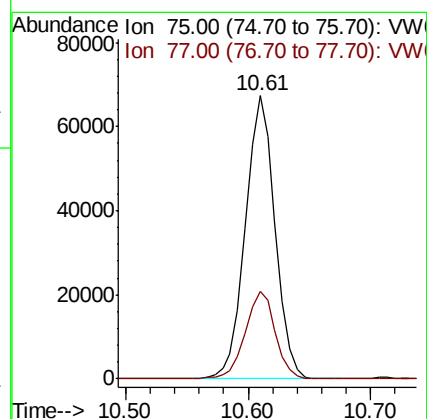
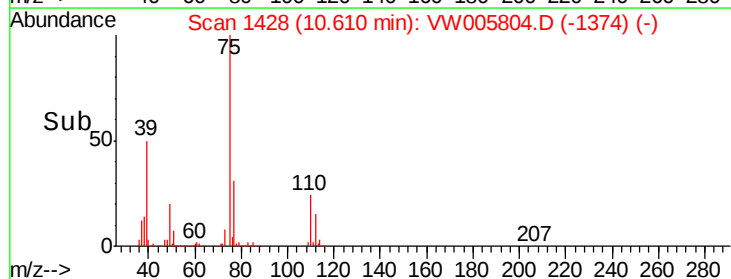
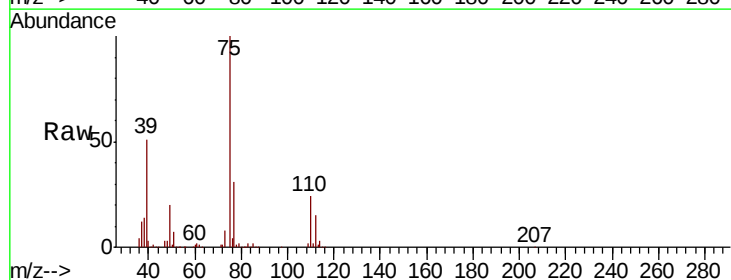
Acq: 03 Oct 2018 04:37

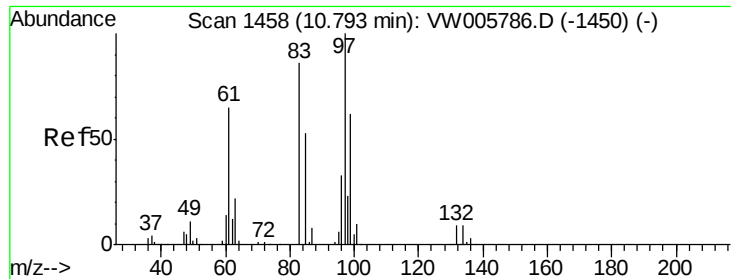
Tgt Ion: 75 Resp: 113194

Ion Ratio Lower Upper

75 100

77 30.9 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 26.155 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

Tgt Ion: 97 Resp: 66689

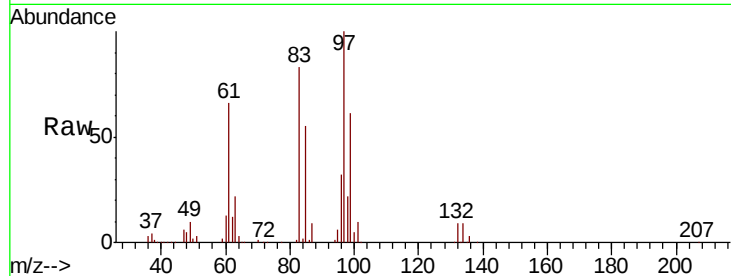
Ion Ratio Lower Upper

97 100

83 83.2 58.3 108.3

85 54.8 38.0 70.6

99 60.6 42.8 79.4



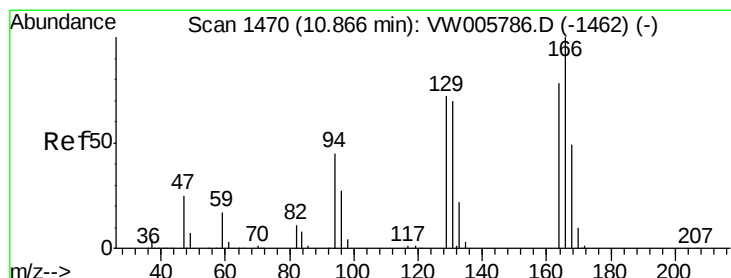
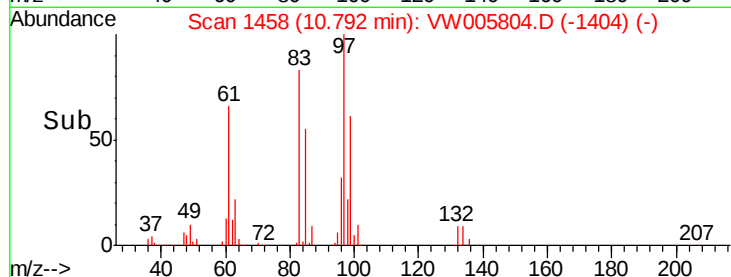
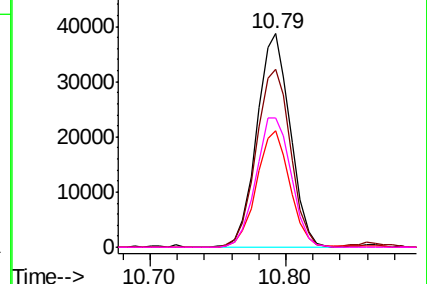
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.648 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Tgt Ion: 164 Resp: 72842

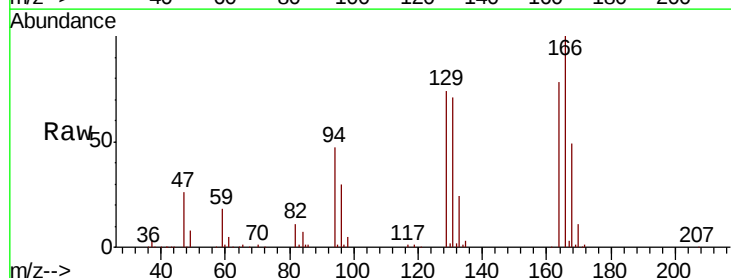
Ion Ratio Lower Upper

164 100

129 93.9 63.8 118.4

131 91.1 61.5 114.3

166 127.7 83.2 154.6



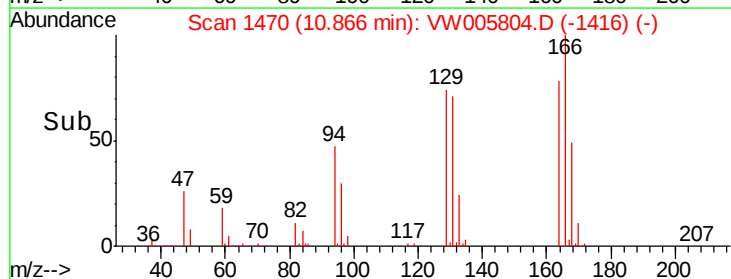
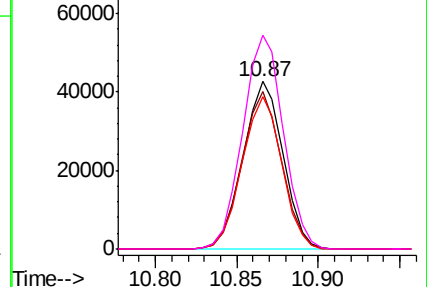
Abundance

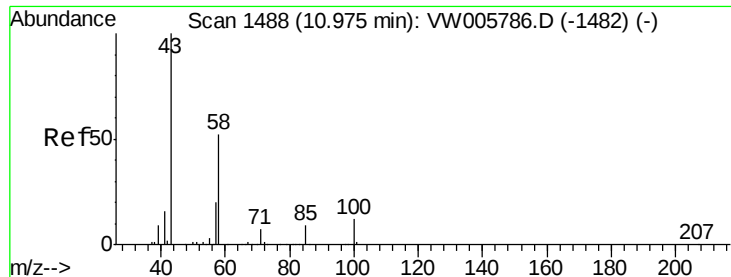
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

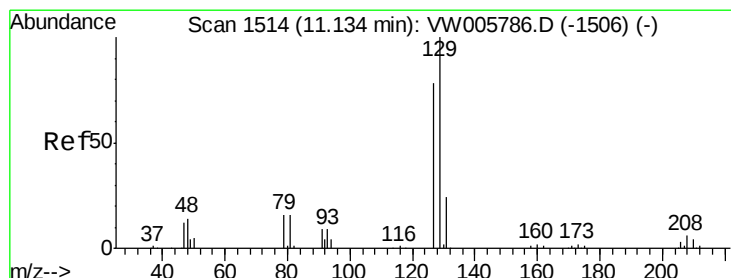
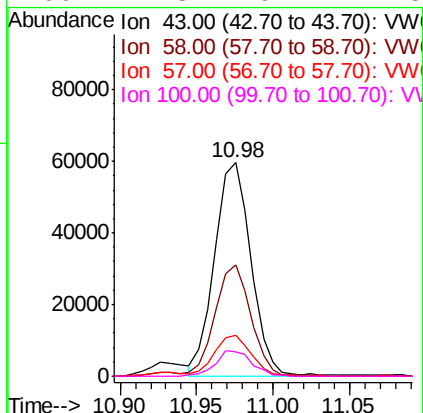
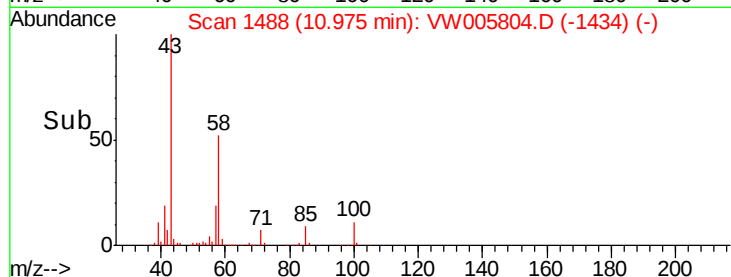
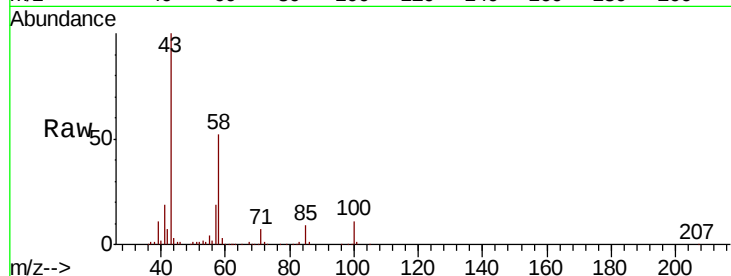




#49
2-Hexanone
Concen: 56.639 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

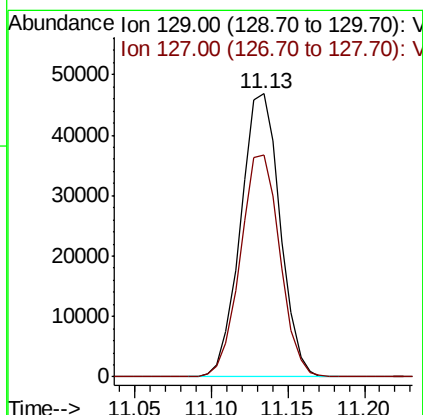
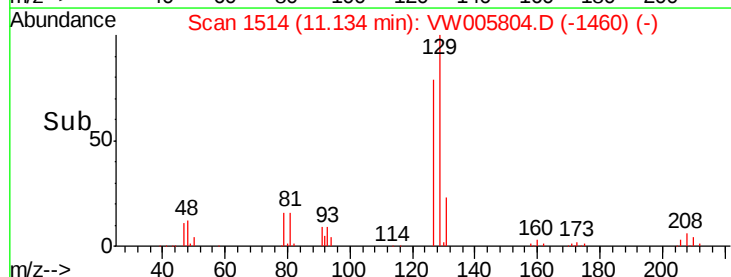
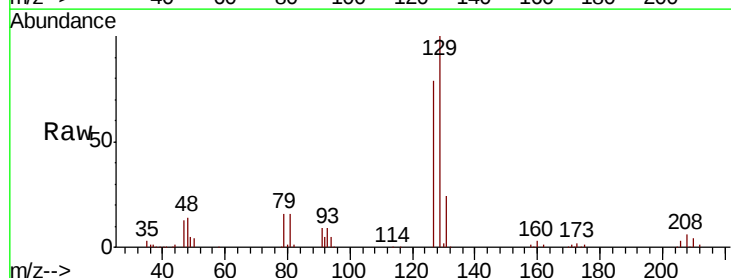
Instrument :
MSVOA_W
ClientSampleId :
VSTD02588

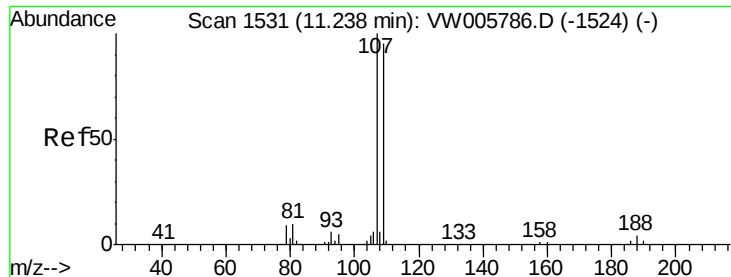
Tgt Ion: 43 Resp: 99139
Ion Ratio Lower Upper
43 100
58 51.4 42.0 63.0
57 19.4 15.7 23.5
100 11.8 9.7 14.5



#50
Dibromochloromethane
Concen: 26.263 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

Tgt Ion: 129 Resp: 83985
Ion Ratio Lower Upper
129 100
127 78.6 51.7 95.9





#51

1,2-Dibromoethane

Concen: 26.000 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

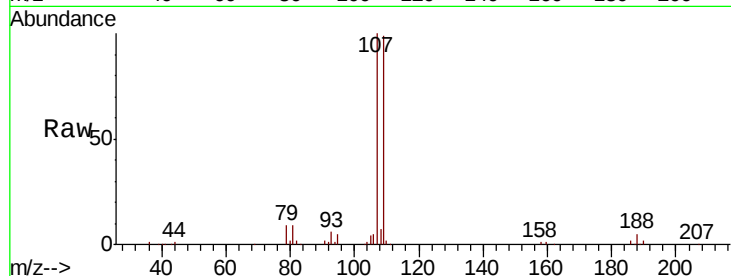
Tgt Ion:107 Resp: 64092

Ion Ratio Lower Upper

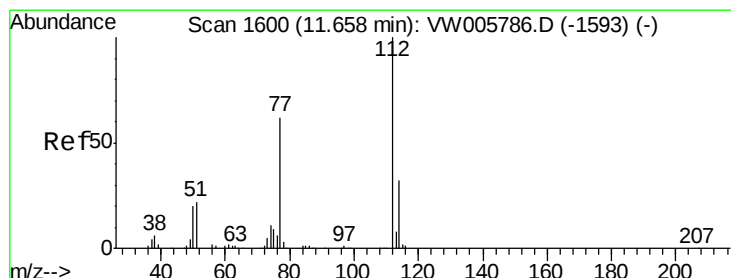
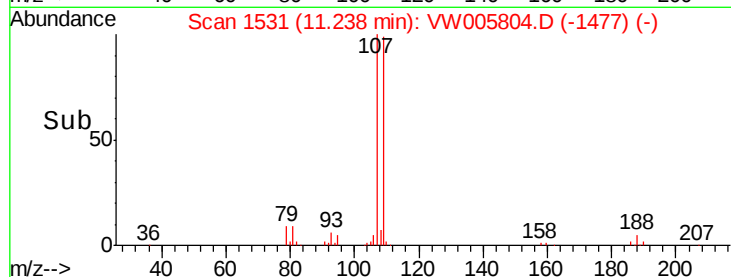
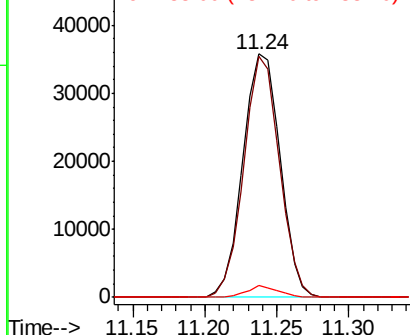
107 100

109 99.1 70.1 130.3

188 4.9 3.4 5.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 24.912 ug/L

RT: 11.66 min Scan# 1601

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

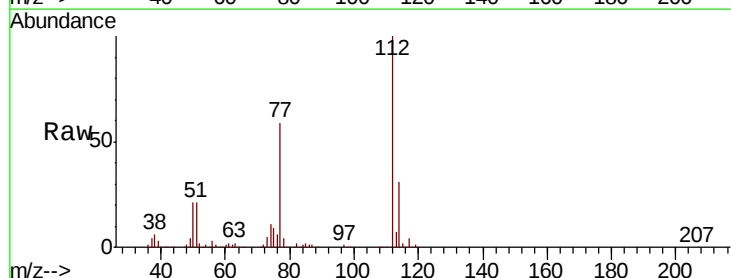
Tgt Ion:112 Resp: 229636

Ion Ratio Lower Upper

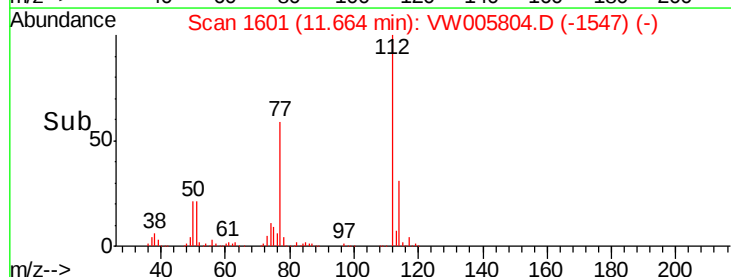
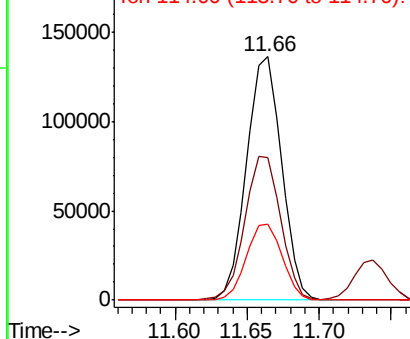
112 100

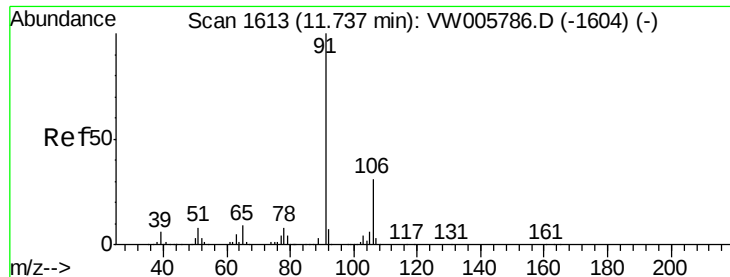
77 58.7 46.7 70.1

114 31.3 21.8 40.6



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





#53

Ethylbenzene

Concen: 25.115 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

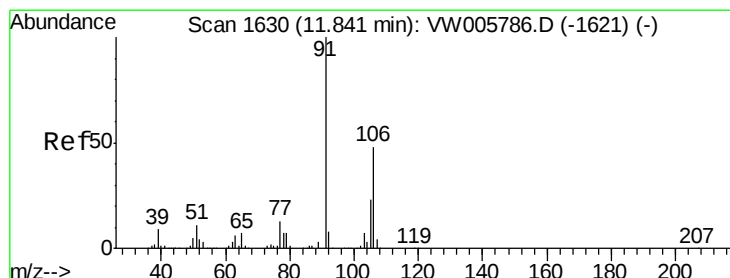
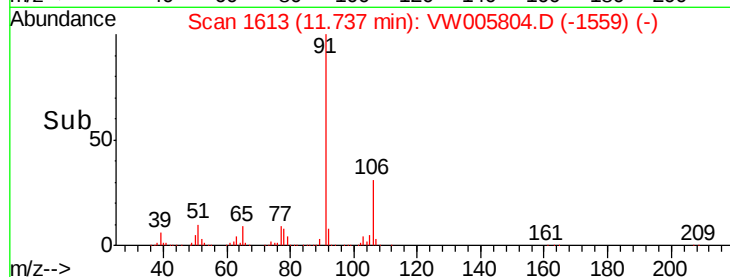
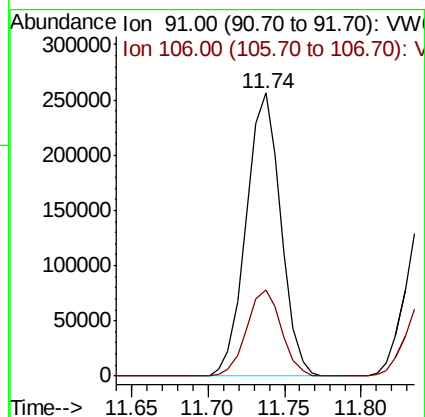
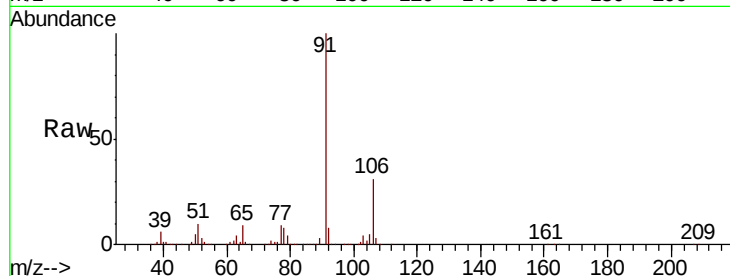
VSTD02588

Tgt Ion: 91 Resp: 402929

Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



#54

m,p-Xylene

Concen: 25.417 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VW005804.D

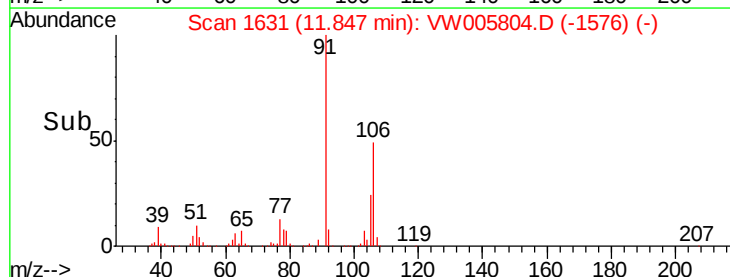
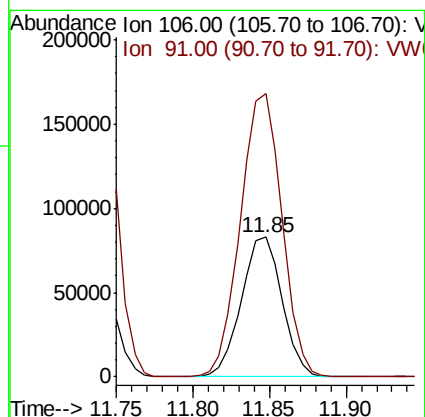
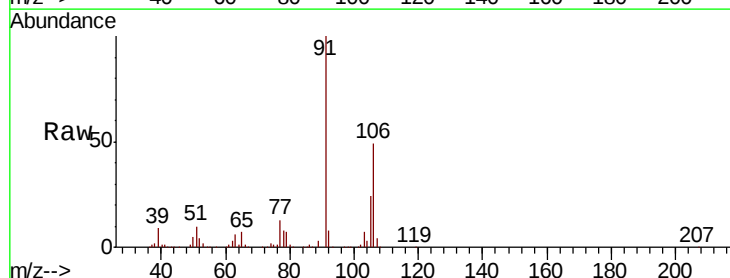
Acq: 03 Oct 2018 04:37

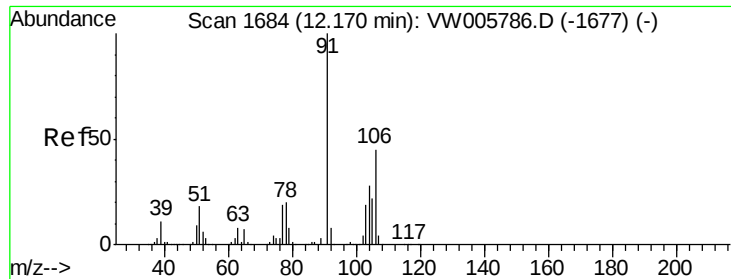
Tgt Ion: 106 Resp: 153626

Ion Ratio Lower Upper

106 100

91 202.4 147.7 274.3

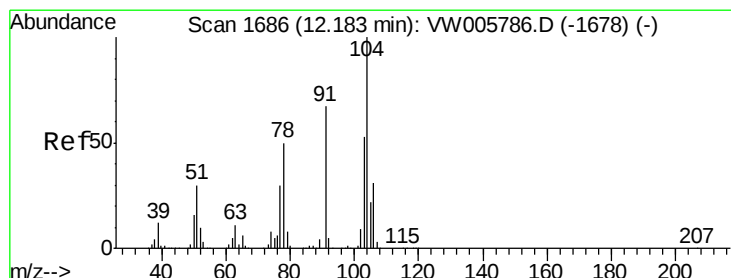
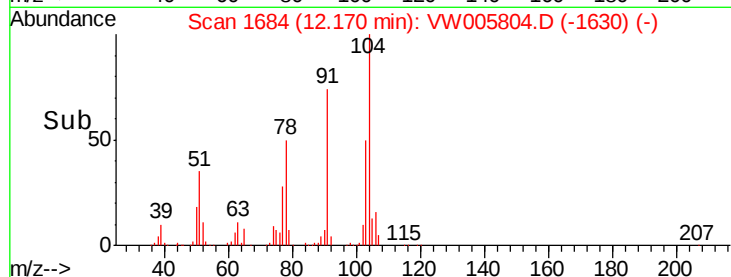
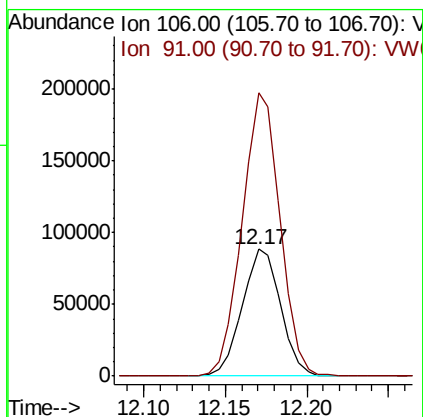
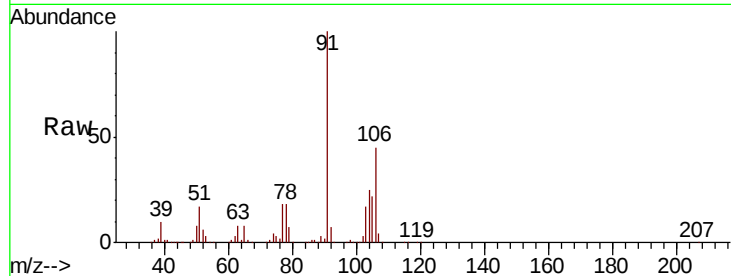




#55
o-xylene
Concen: 25.325 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

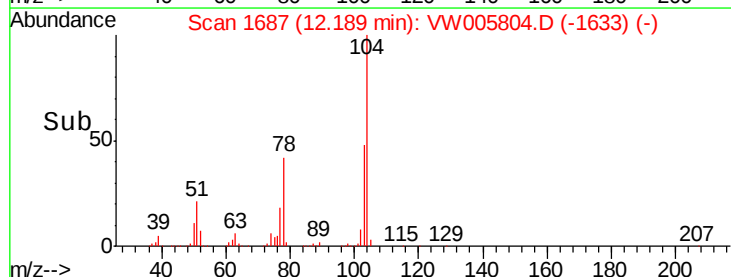
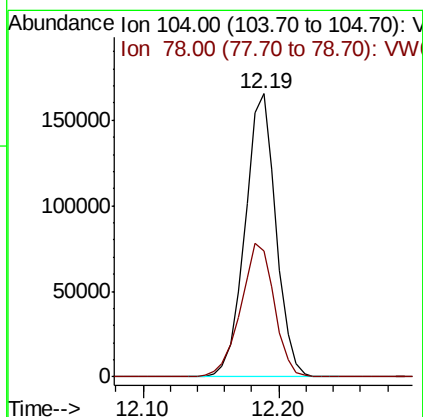
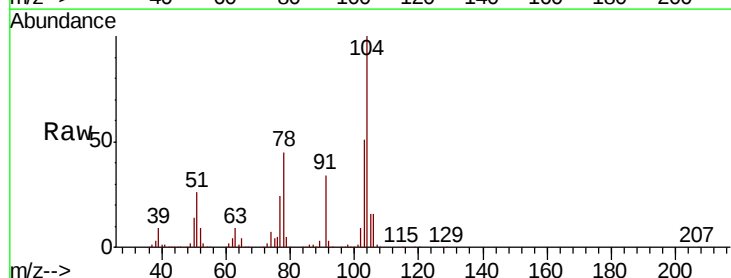
Instrument :
MSVOA_W
ClientSampled :
VSTD02588

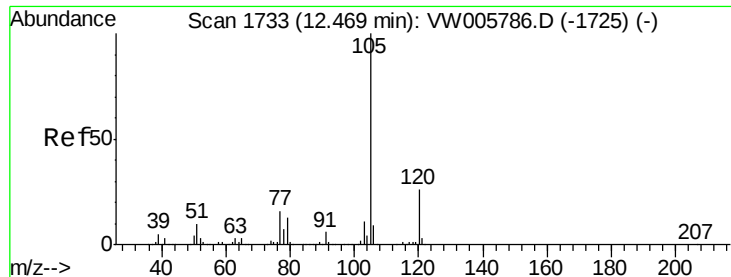
Tgt Ion:106 Resp: 144272
Ion Ratio Lower Upper
106 100
91 223.5 156.5 290.7



#56
Styrene
Concen: 26.257 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005804.D
Acq: 03 Oct 2018 04:37

Tgt Ion:104 Resp: 262510
Ion Ratio Lower Upper
104 100
78 44.6 32.2 59.8





#57

Isopropylbenzene

Concen: 25.580 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

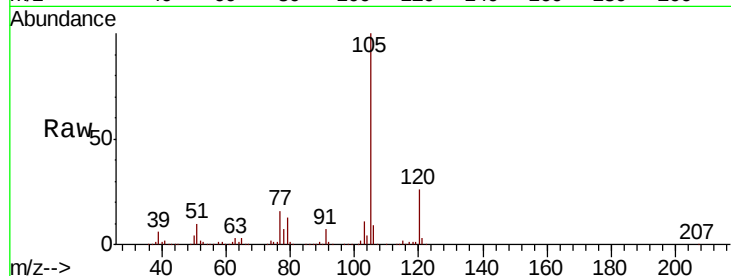
Tgt Ion: 105 Resp: 416229

Ion Ratio Lower Upper

105 100

120 26.1 20.7 31.1

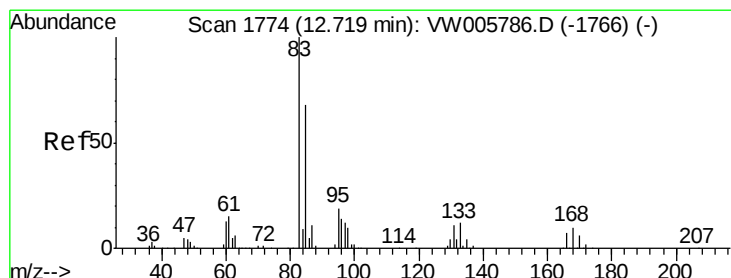
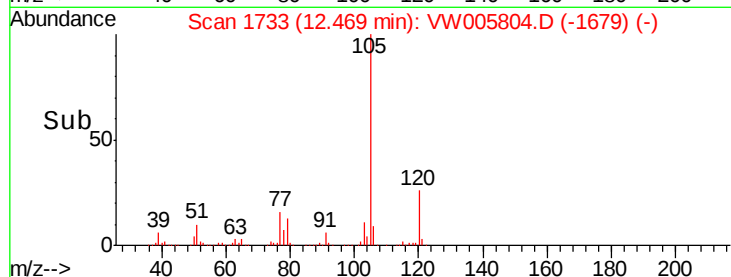
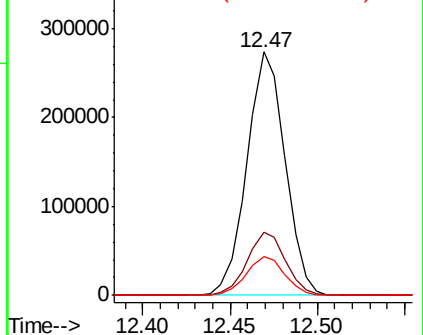
77 15.9 13.0 19.6



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: 27.748 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

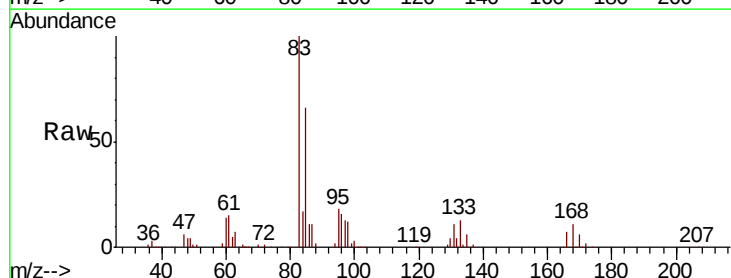
Tgt Ion: 83 Resp: 90254

Ion Ratio Lower Upper

83 100

85 65.7 43.0 80.0

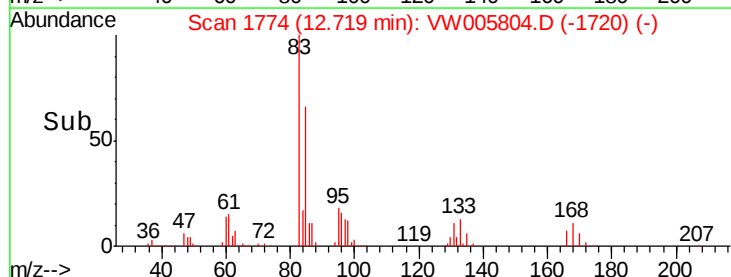
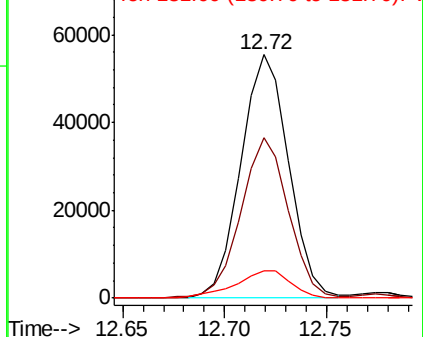
131 11.0 8.0 12.0

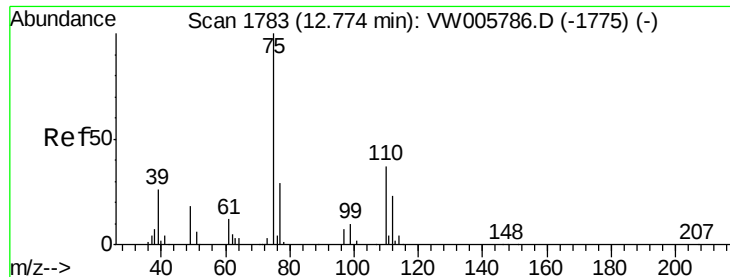


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.326 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

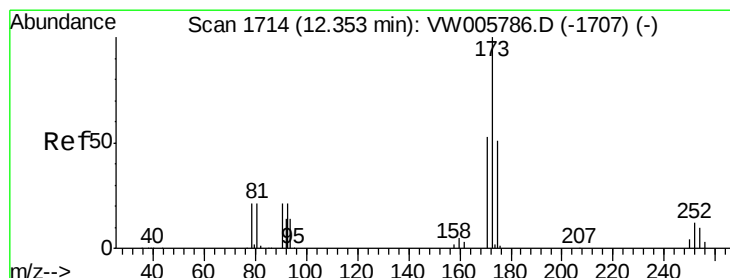
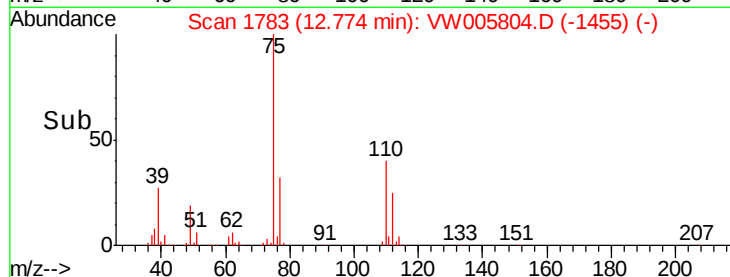
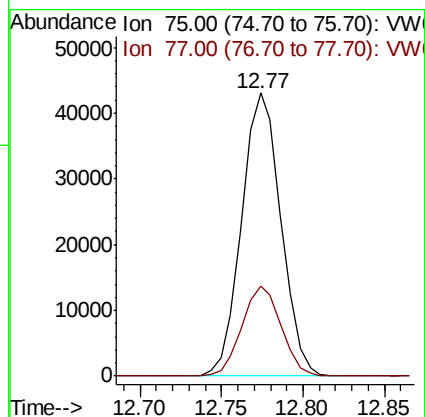
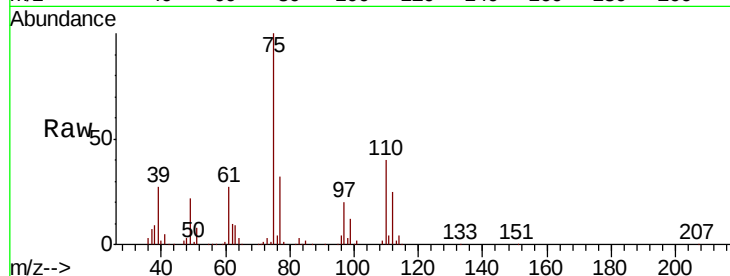
VSTD02588

Tgt Ion: 75 Resp: 72151

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



#62

Bromoform

Concen: 27.107 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

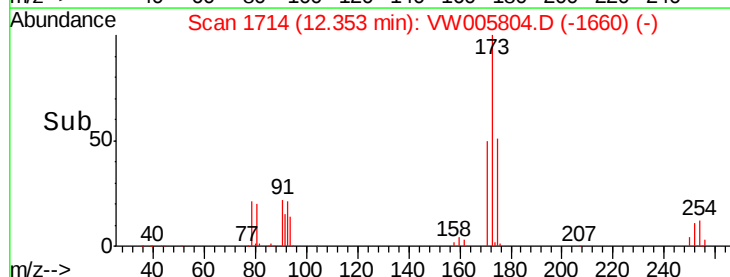
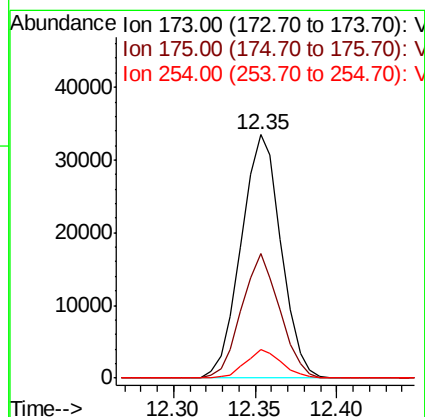
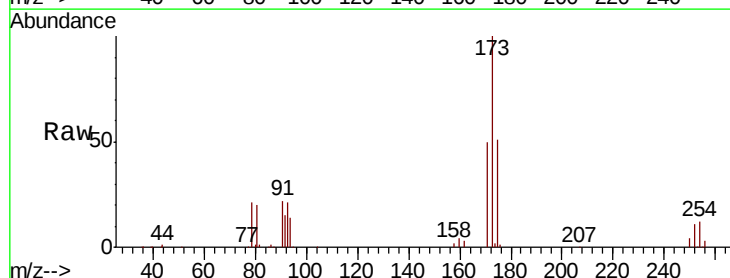
Tgt Ion: 173 Resp: 57116

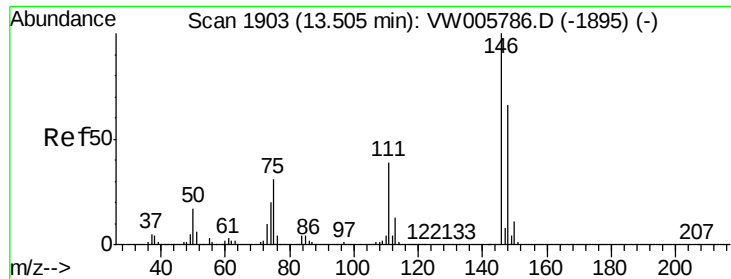
Ion Ratio Lower Upper

173 100

175 48.8 40.0 60.0

254 10.8 8.6 13.0

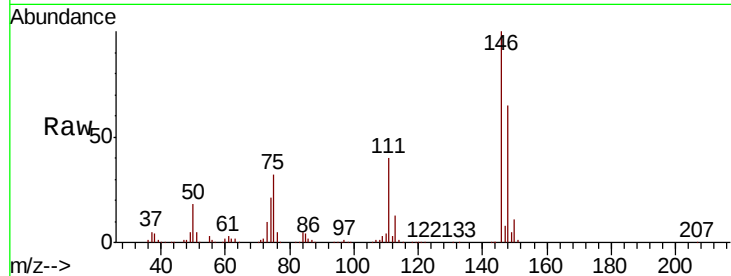




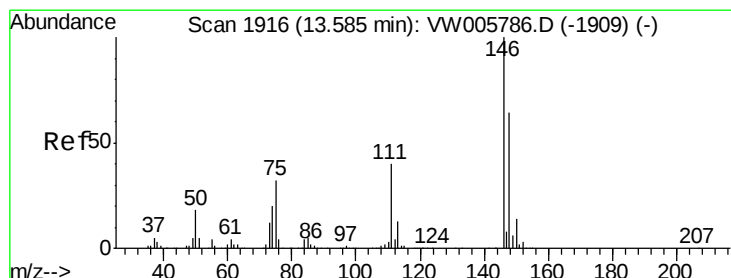
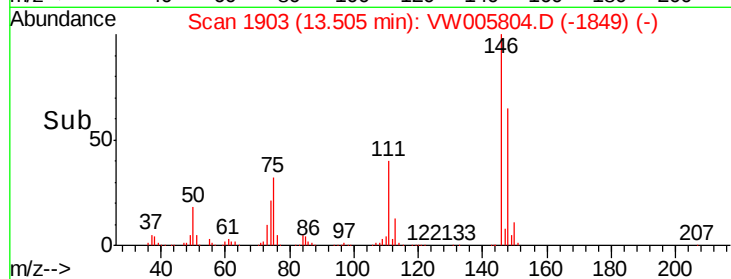
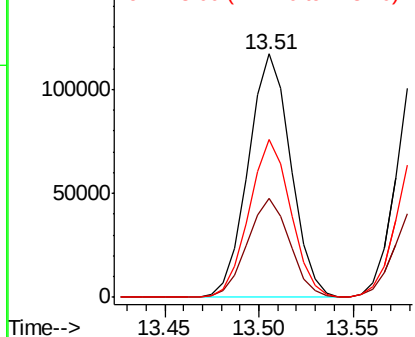
#63
 1,3-Dichlorobenzene
 Concen: 24.370 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

Tgt Ion:146 Resp: 183424
 Ion Ratio Lower Upper
 146 100
 111 40.4 27.2 50.6
 148 64.6 46.2 85.8

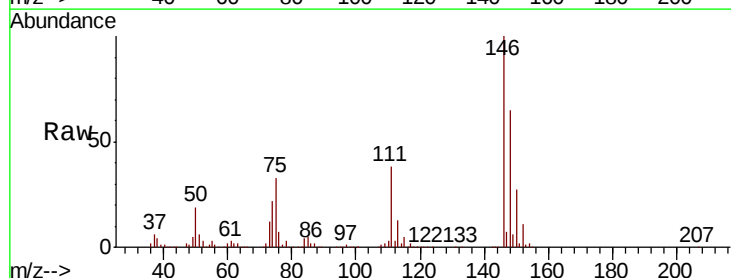


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

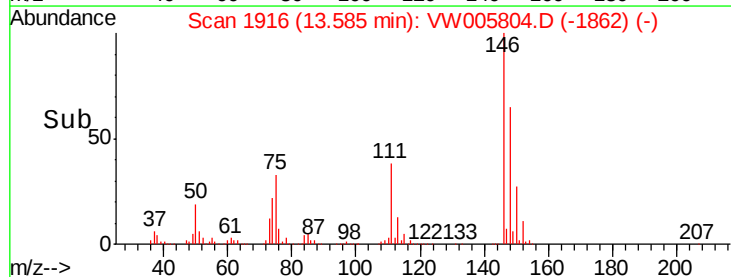
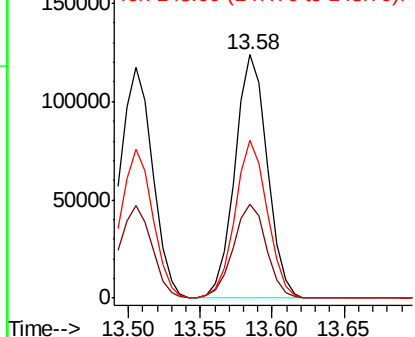


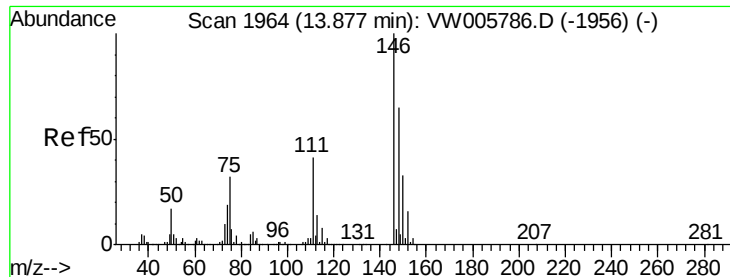
#64
 1,4-Dichlorobenzene
 Concen: 24.664 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion:146 Resp: 193860
 Ion Ratio Lower Upper
 146 100
 111 38.4 28.4 52.8
 148 64.6 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

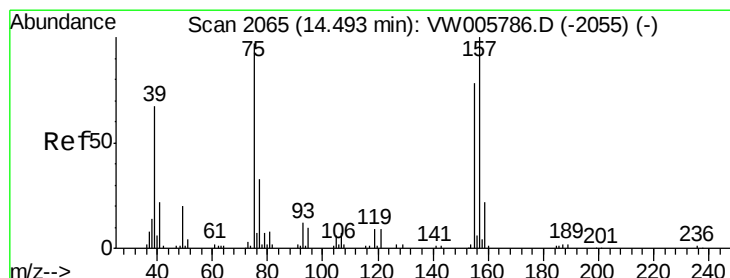
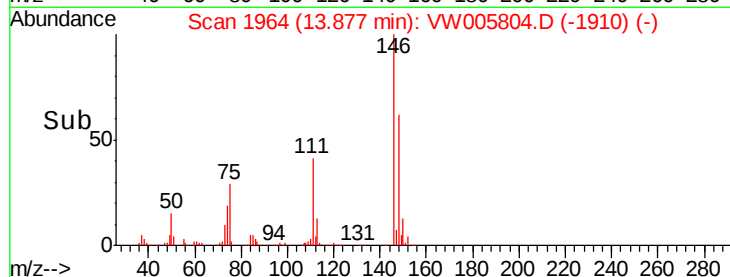
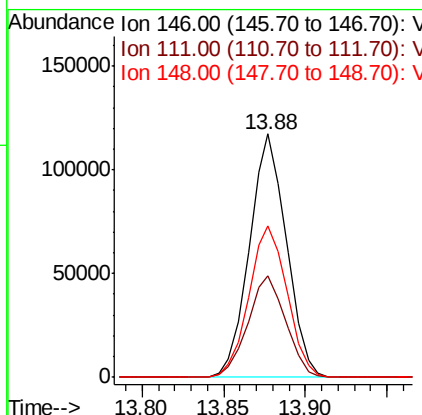
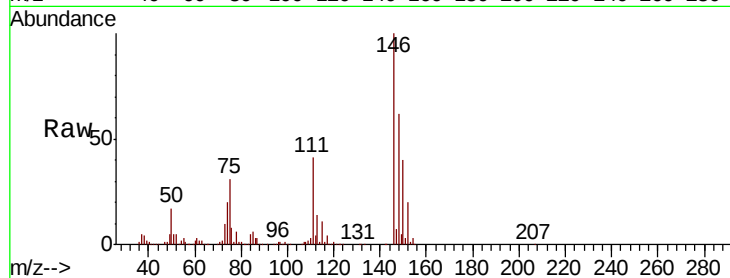




#65
 1,2-Dichlorobenzene
 Concen: 25.483 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

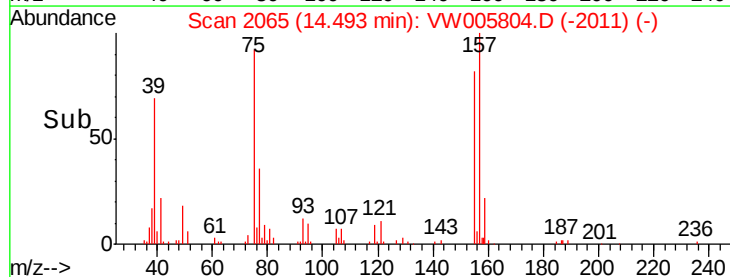
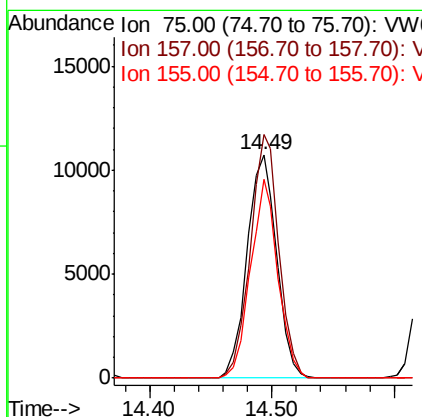
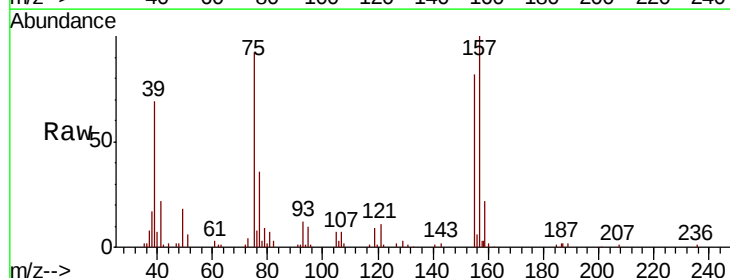
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02588

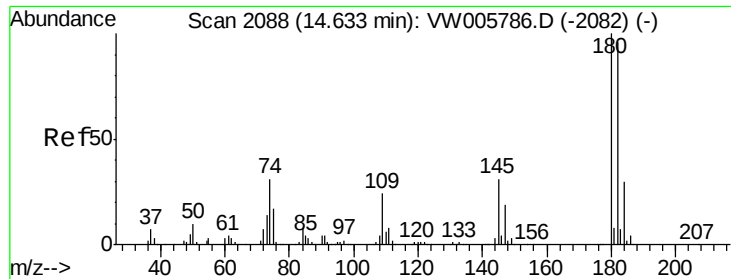
Tgt Ion:146 Resp: 184554
 Ion Ratio Lower Upper
 146 100
 111 41.5 34.6 51.8
 148 62.4 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.085 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion: 75 Resp: 17962
 Ion Ratio Lower Upper
 75 100
 157 108.9 76.9 115.3
 155 89.0 64.2 96.2

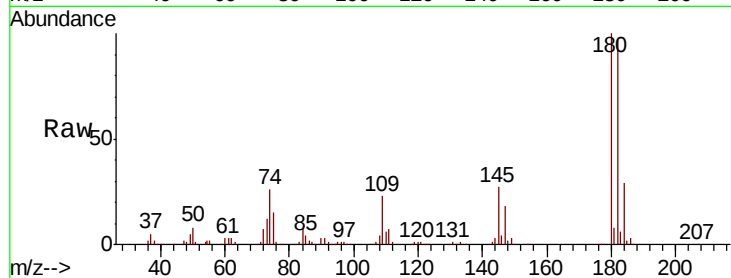




#67
 1,3,5-Trichlorobenzene
 Concen: 23.695 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02588

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.7	116.5
184	30.3	24.6	37.0
145	28.9	23.8	35.6



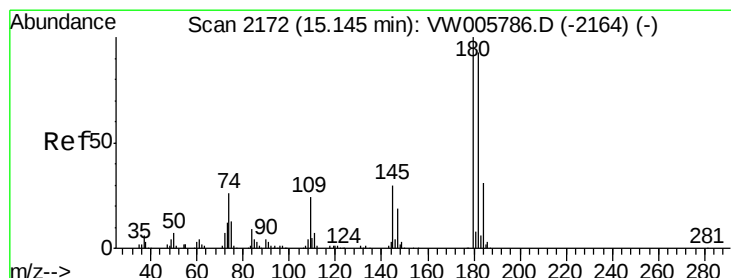
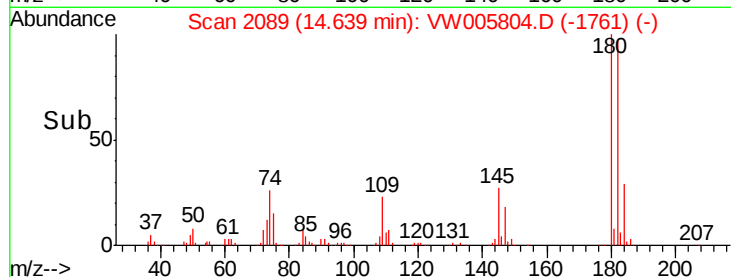
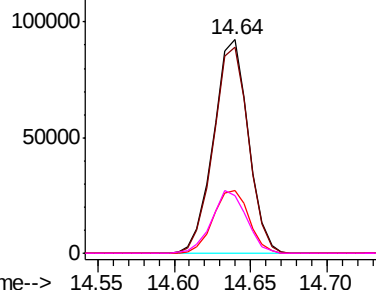
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

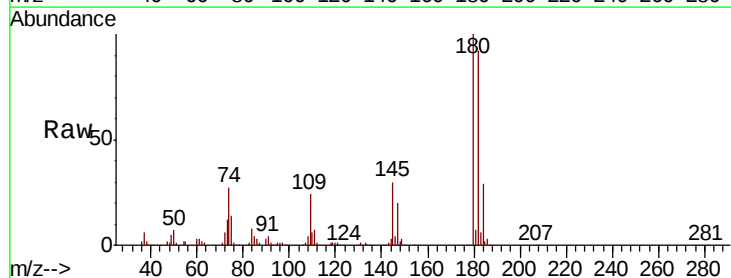
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.405 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005804.D
 Acq: 03 Oct 2018 04:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.6
145	29.7	23.8	35.6

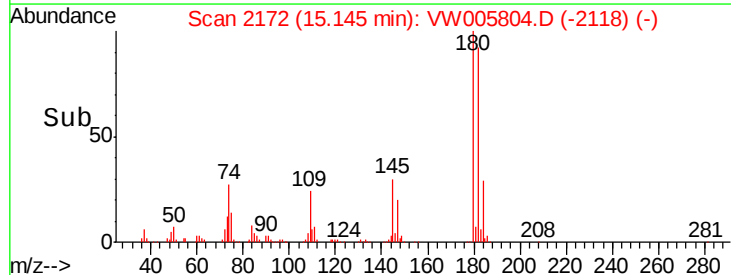
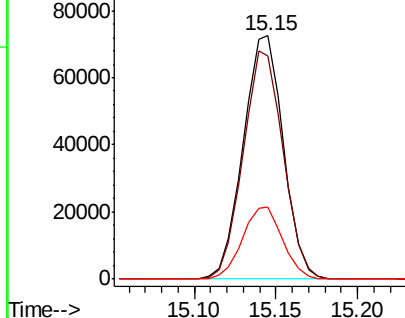


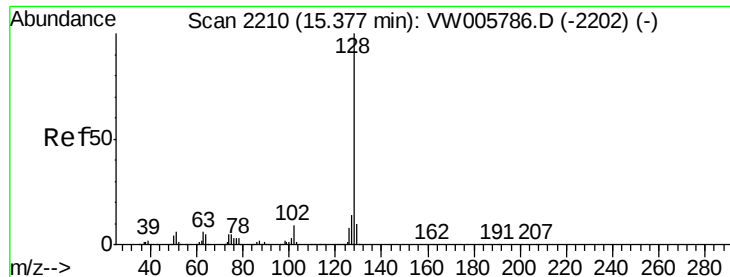
Abundance

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





#69

Naphthalene

Concen: 26.348 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD02588

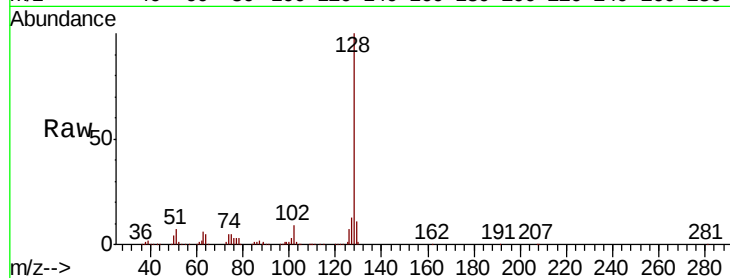
Tgt Ion:128 Resp: 267901

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.9 11.0 16.4

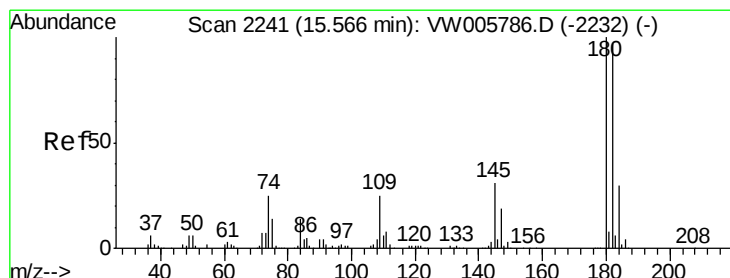
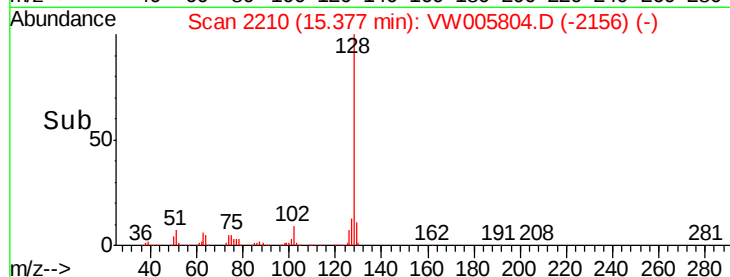
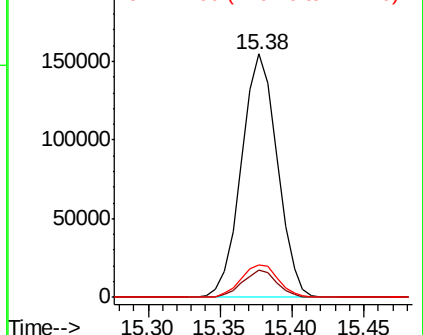


Abundance

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: 25.664 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005804.D

Acq: 03 Oct 2018 04:37

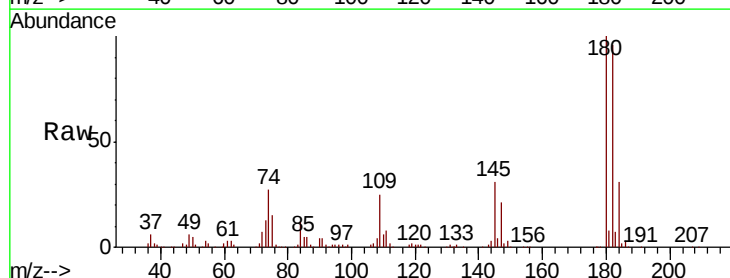
Tgt Ion:180 Resp: 122053

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

145 31.8 25.5 38.3



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

