

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080218\
 Data File : VW004414.D
 Acq On : 02 Aug 2018 21:38
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Quant Time: Aug 03 04:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 02 17:07:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	860989	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	841132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	424511	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	256153	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
7) Chloroethane-d5	2.89	69	216359	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.02	63	532329	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.92%
20) 2-Butanone-d5	7.09	46	258165	54.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.34%
24) Chloroform-d	7.65	84	553434	23.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	8.31	65	316534	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.44%
29) Benzene-d6	8.27	84	1072459	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	9.28	67	339966	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.00%
37) Toluene-d8	10.33	98	973849	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.76%
38) trans-1,3-Dichloropropene-	10.58	79	141259	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.96%
39) 2-Hexanone-d5	10.93	63	204599	57.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.94%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	410827	25.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	377124	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	227423	25.405	ug/L	96
3) Chloromethane	2.21	50	293559	24.828	ug/L	99
5) Vinyl chloride	2.37	62	398961	25.857	ug/L	98
6) Bromomethane	2.78	94	213744	23.953	ug/L	98
8) Chloroethane	2.93	64	239744	25.900	ug/L	97
9) Trichlorofluoromethane	3.26	101	162233	23.052	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	326674	26.733	ug/L	97
12) 1,1-Dichloroethene	4.04	96	298718	25.022	ug/L	92
13) Acetone	4.14	43	207965	50.836	ug/L	99
14) Carbon disulfide	4.38	76	916825	25.037	ug/L	99
15) Methyl Acetate	4.68	43	223797	26.840	ug/L	100
16) Methylene chloride	4.92	84	348021	20.351	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	391295	24.214	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	297586	24.375	ug/L	97
19) 1,1-Dichloroethane	6.21	63	586182	25.302	ug/L	100
21) 2-Butanone	7.18	43	306384	54.716	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	330291	24.786	ug/L	96

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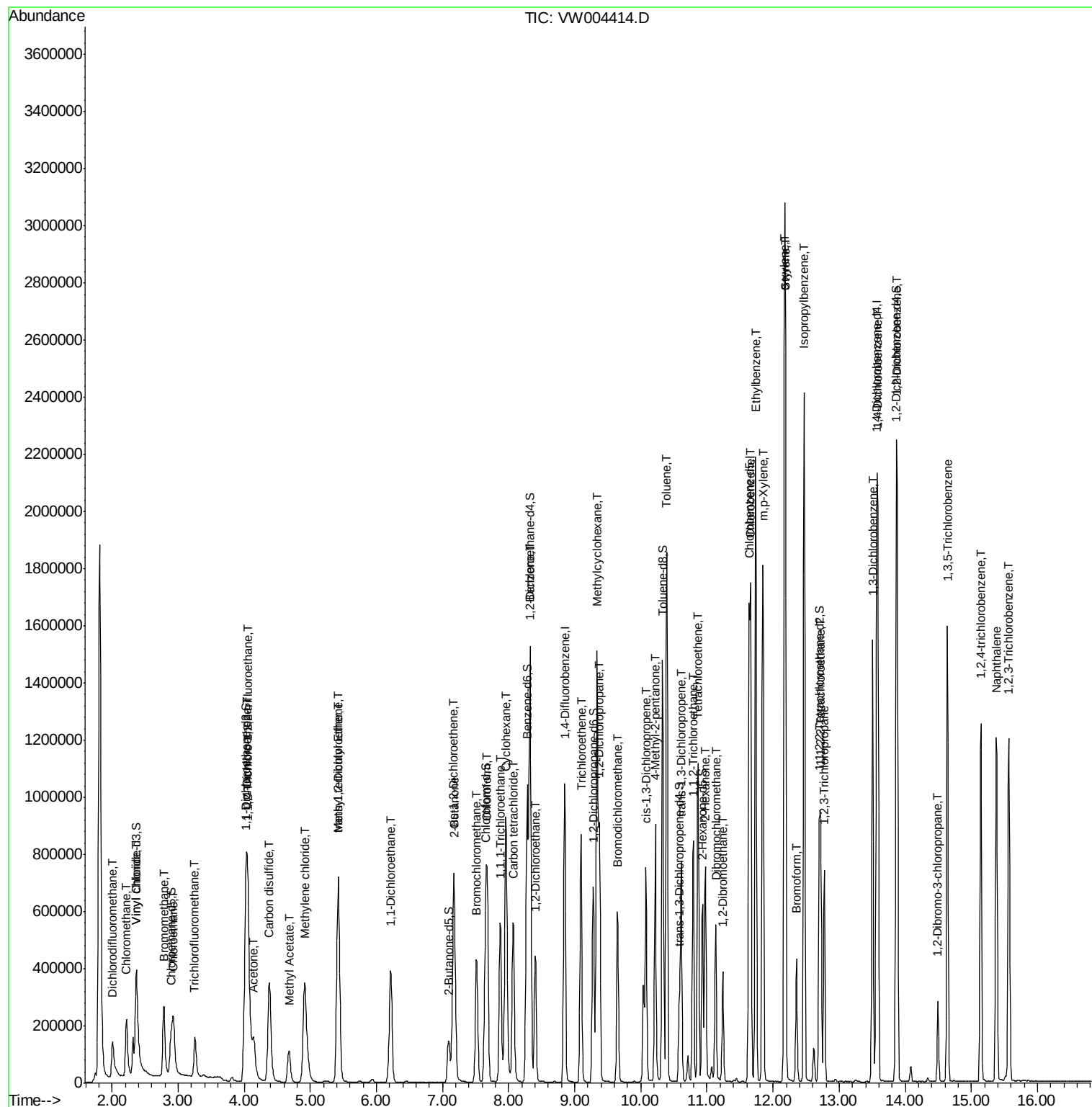
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	152139	23.854	ug/L	96
25) Chloroform	7.68	83	585732	24.769	ug/L	100
27) 1,2-Dichloroethane	8.40	62	399955	25.176	ug/L	99
30) Cyclohexane	7.96	56	517007	25.990	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	447438	25.037	ug/L	99
32) Carbon tetrachloride	8.07	117	436695	25.355	ug/L	99
34) Benzene	8.33	78	1319060	25.435	ug/L	100
35) Trichloroethene	9.09	95	321115	24.617	ug/L	99
36) Methylcyclohexane	9.34	83	589623	25.749	ug/L	98
40) 1,2-Dichloropropane	9.37	63	339536	24.720	ug/L	99
41) Bromodichloromethane	9.65	83	402386	24.389	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	445579	23.715	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	586655	56.965	ug/L	99
44) Toluene	10.39	91	1364398	26.144	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	414424	24.537	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	267118	25.016	ug/L	98
47) Tetrachloroethene	10.87	164	255572	24.762	ug/L	98
49) 2-Hexanone	10.98	43	453656	58.618	ug/L	99
50) Dibromochloromethane	11.13	129	292324	24.679	ug/L	99
51) 1,2-Dibromoethane	11.24	107	257595	25.167	ug/L	99
52) Chlorobenzene	11.66	112	861840	24.419	ug/L	100
53) Ethylbenzene	11.74	91	1503104	25.631	ug/L	99
54) m,p-Xylene	11.85	106	573528	26.213	ug/L	99
55) o-xylene	12.17	106	537647	25.934	ug/L	100
56) Styrene	12.19	104	972709	26.926	ug/L	99
57) Isopropylbenzene	12.47	105	1493657	26.617	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	411691	26.564	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	314758	27.193	ug/L	100
62) Bromoform	12.35	173	195416	25.329	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	638236	24.162	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	691236	24.349	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	659086	24.902	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	72325	26.602	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	503205	24.031	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	404866	23.899	ug/L	99
69) Naphthalene	15.38	128	1025049	26.533	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	416728	25.260	ug/L	99

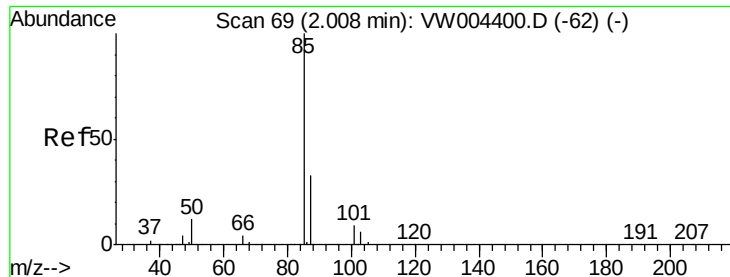
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.405 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

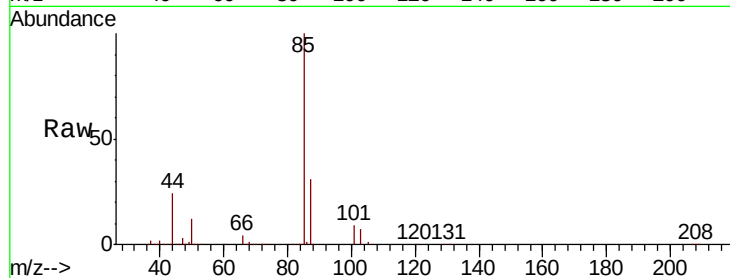
VSTD02596

Tot Ion: 85 Resp: 227423

Ion Ratio Lower Upper

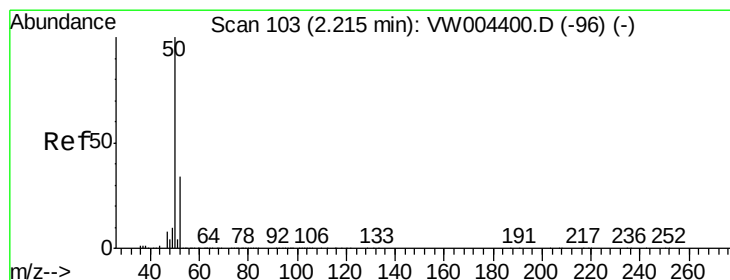
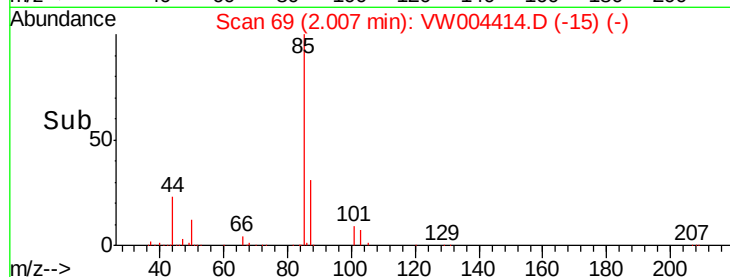
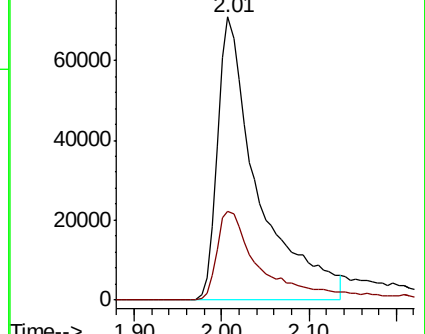
85 100

87 30.9 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.828 ug/L

RT: 2.21 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004414.D

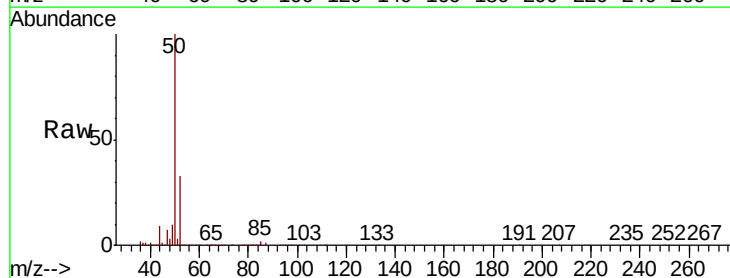
Acq: 02 Aug 2018 21:38

Tgt Ion: 50 Resp: 293559

Ion Ratio Lower Upper

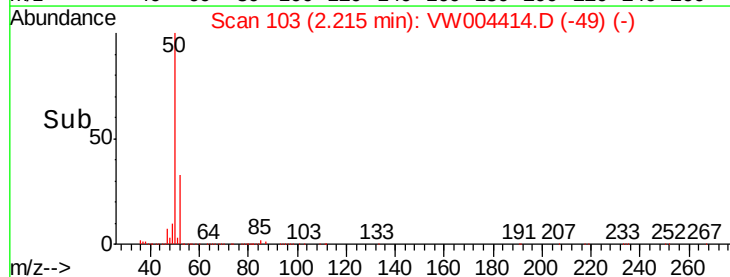
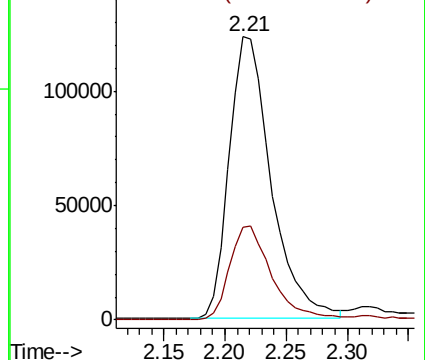
50 100

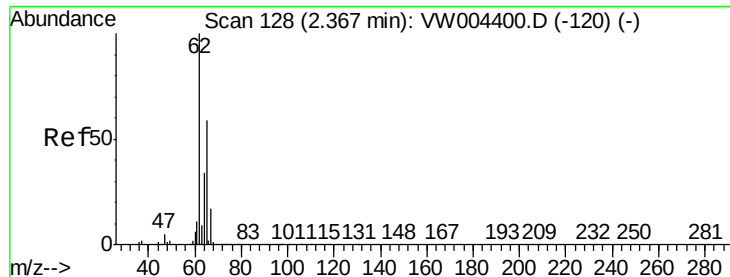
52 32.8 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.857 ug/L

RT: 2.37 min Scan# 129

Delta R.T. 0.01 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

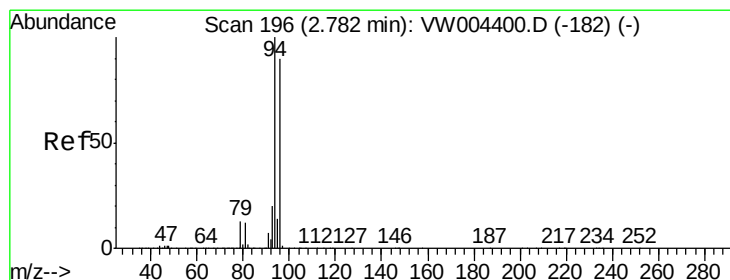
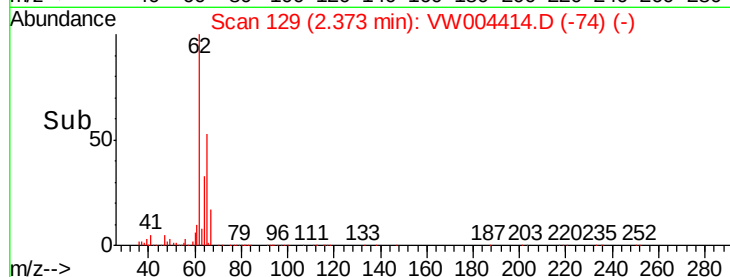
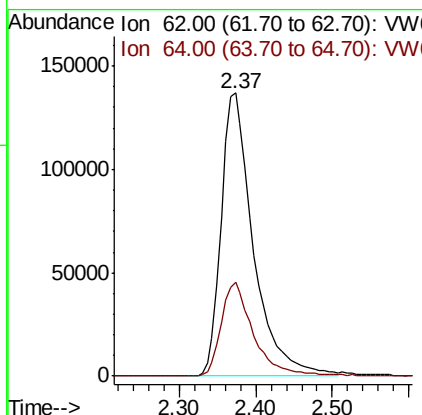
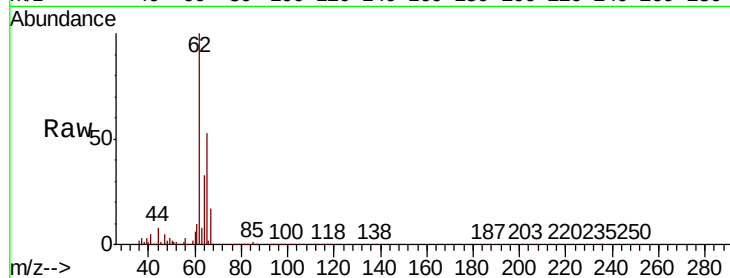
VSTD02596

Tot Ion: 62 Resp: 398961

Ion Ratio Lower Upper

62 100

64 33.0 24.0 44.6



#6

Bromomethane

Concen: 23.953 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004414.D

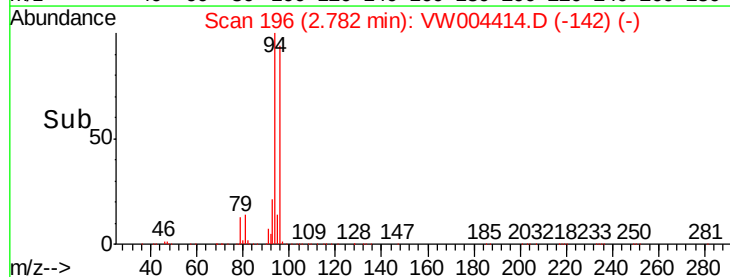
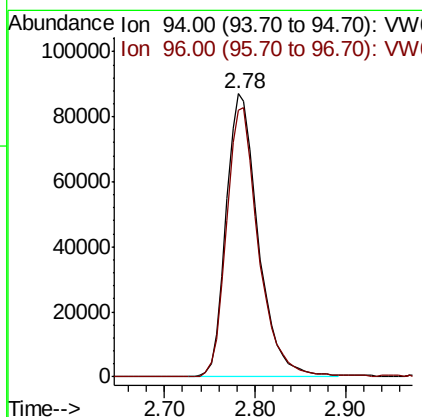
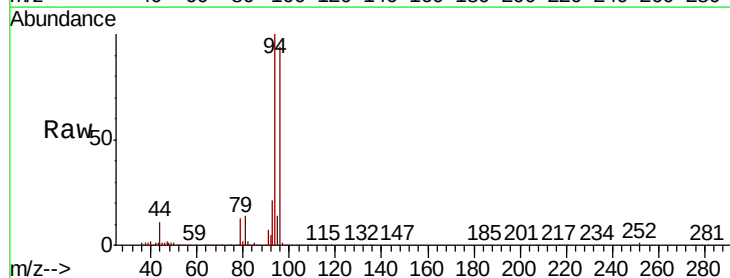
Acq: 02 Aug 2018 21:38

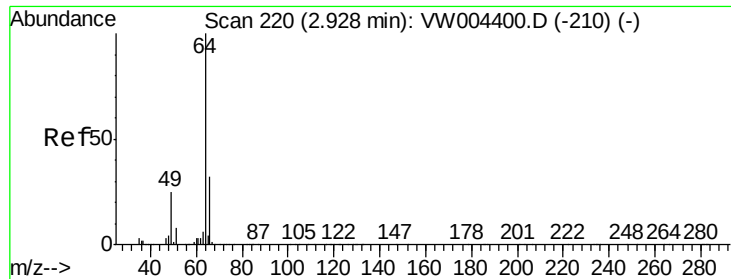
Tgt Ion: 94 Resp: 213744

Ion Ratio Lower Upper

94 100

96 94.0 9.2 175.2





#8

Chloroethane

Concen: 25.900 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

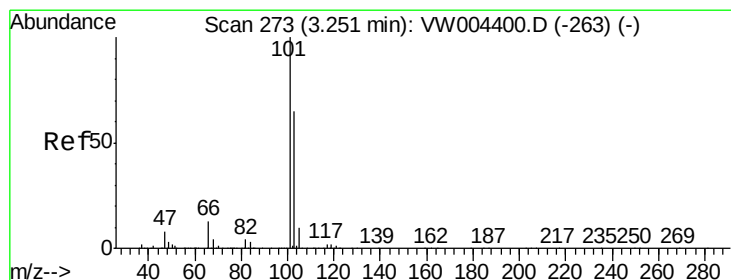
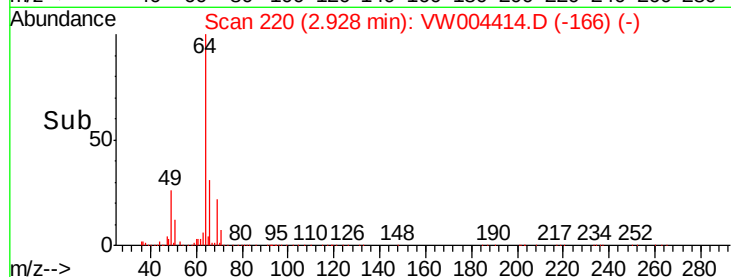
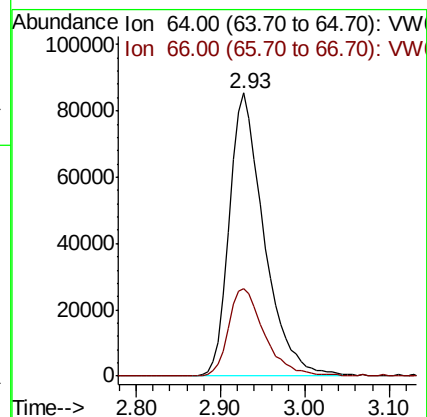
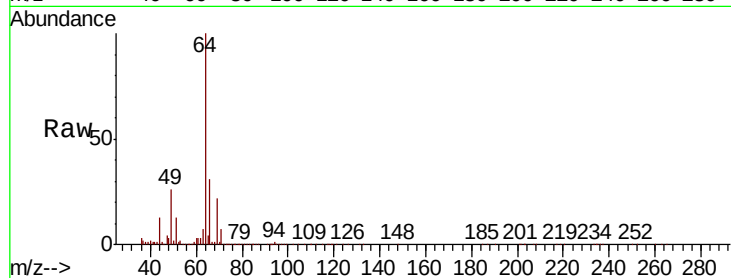
VSTD02596

Tot Ion: 64 Resp: 239744

Ion Ratio Lower Upper

64 100

66 31.0 22.8 42.4



#9

Trichlorofluoromethane

Concen: 23.052 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW004414.D

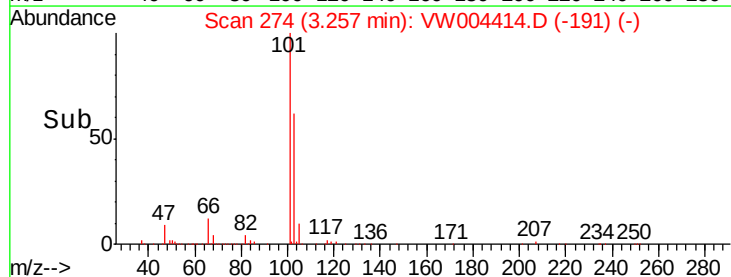
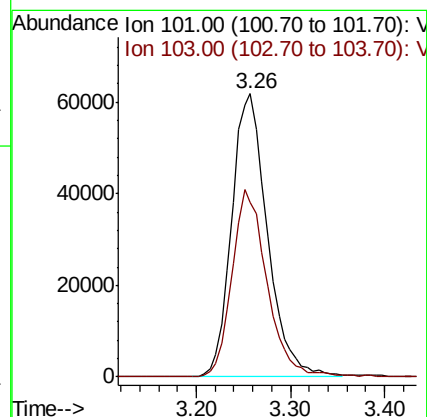
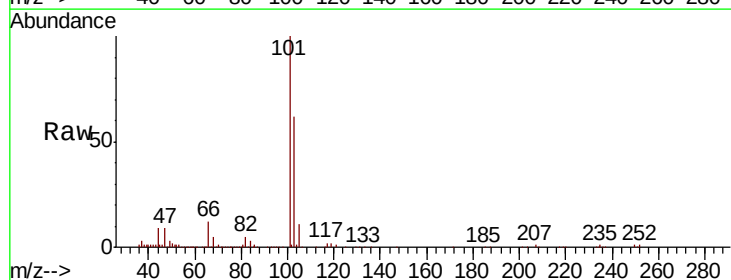
Acq: 02 Aug 2018 21:38

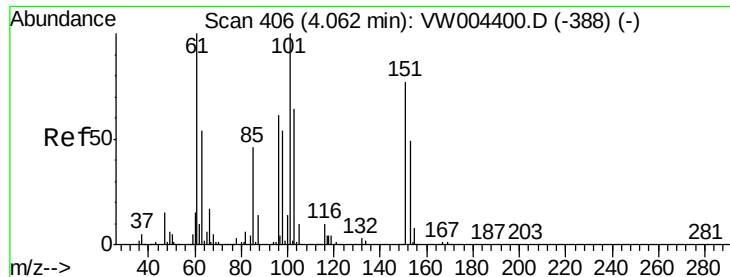
Tgt Ion: 101 Resp: 162233

Ion Ratio Lower Upper

101 100

103 64.7 45.3 84.1





#11

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

Concen: 26.733 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

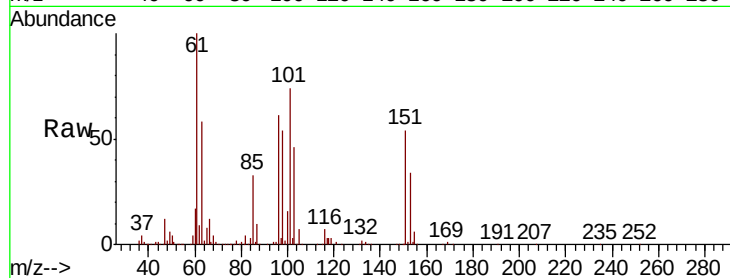
Tot Ion:101 Resp: 326674

Ion Ratio Lower Upper

101 100

85 43.0 35.6 53.4

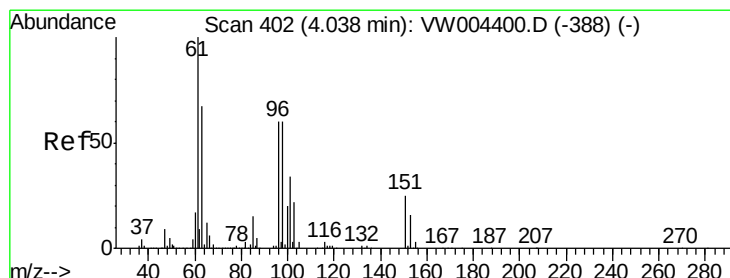
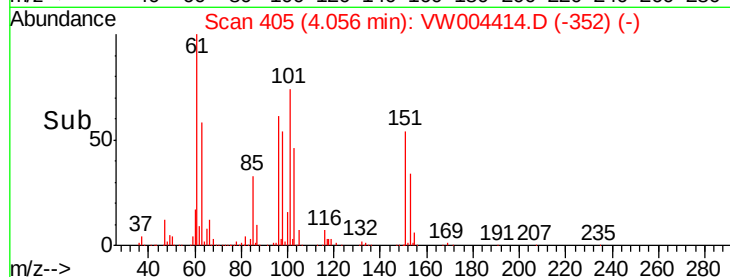
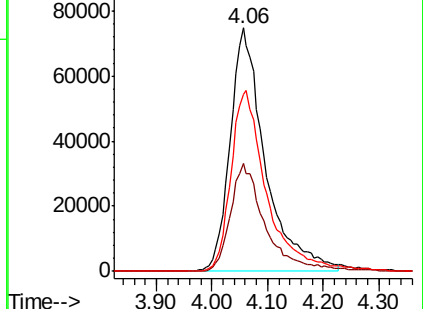
151 75.5 62.6 94.0



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: 25.022 ug/L

RT: 4.04 min Scan# 402

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

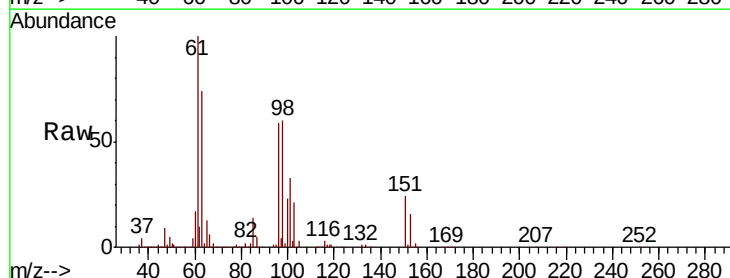
Tgt Ion: 96 Resp: 298718

Ion Ratio Lower Upper

96 100

61 170.9 115.9 215.3

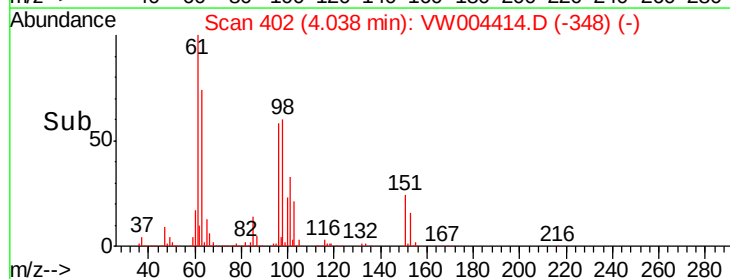
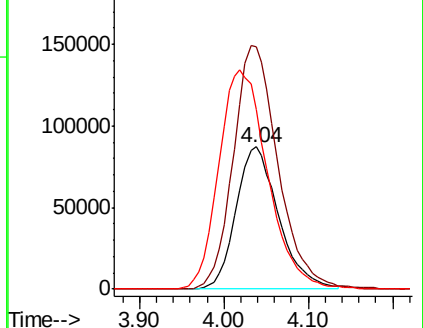
63 126.5 78.0 144.9

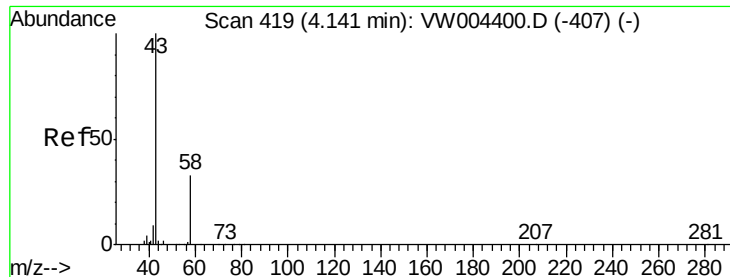


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.836 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

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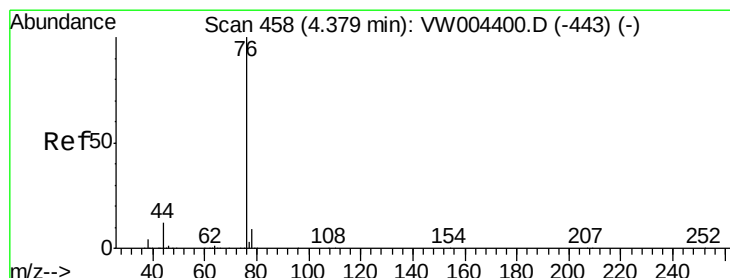
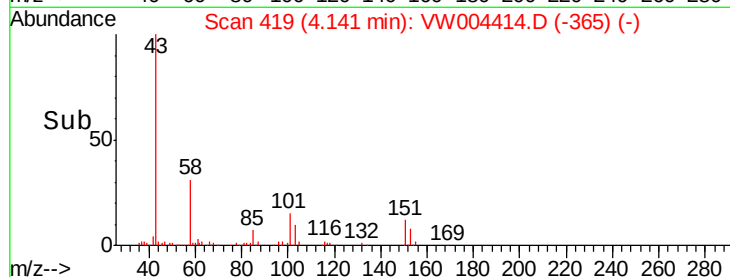
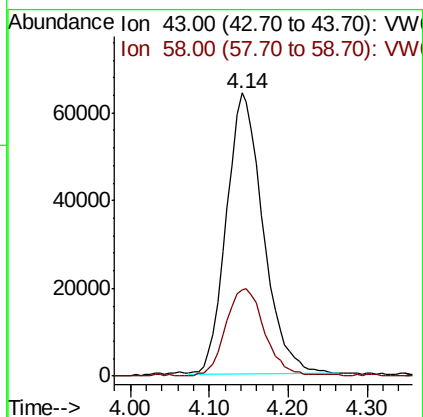
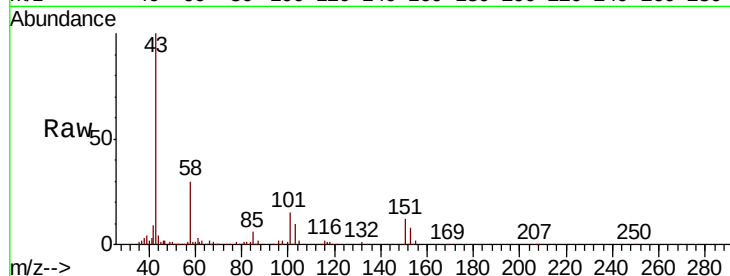
VSTD02596

Tot Ion: 43 Resp: 207965

Ion Ratio Lower Upper

43 100

58 32.6 0.0 66.4



#14

Carbon disulfide

Concen: 25.037 ug/L

RT: 4.38 min Scan# 458

Delta R.T. -0.00 min

Lab File: VW004414.D

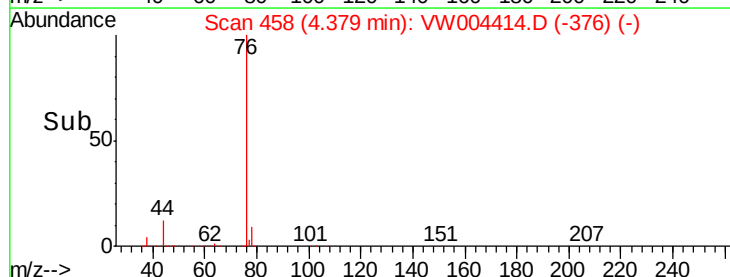
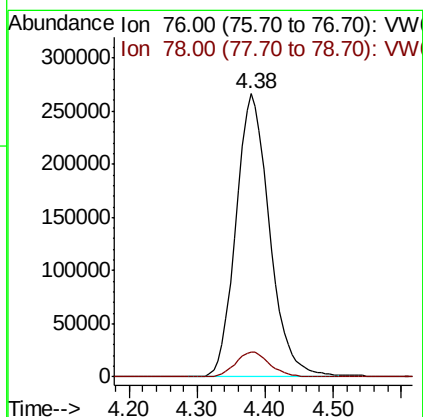
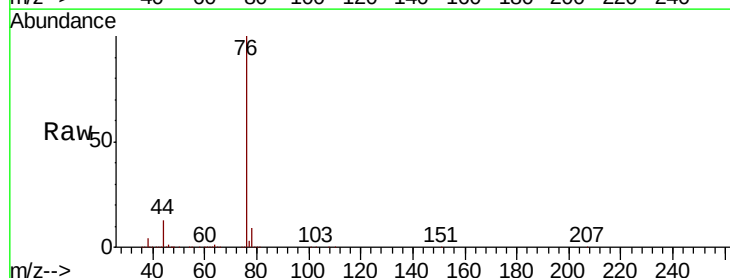
Acq: 02 Aug 2018 21:38

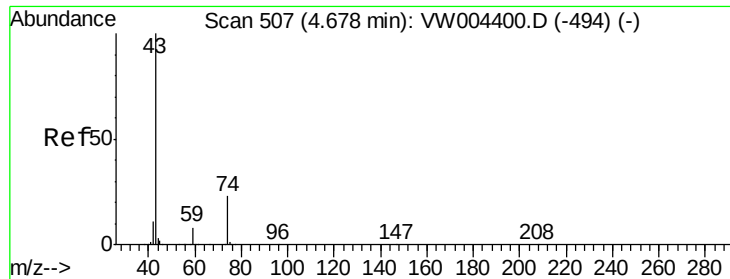
Tgt Ion: 76 Resp: 916825

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8

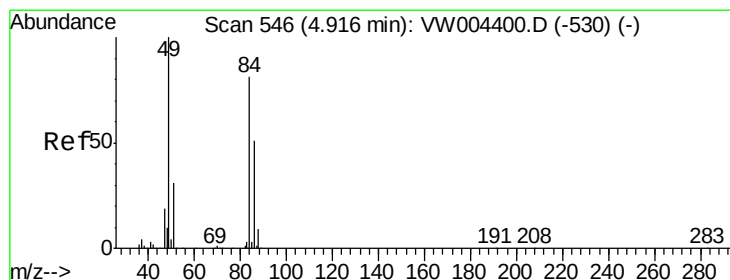
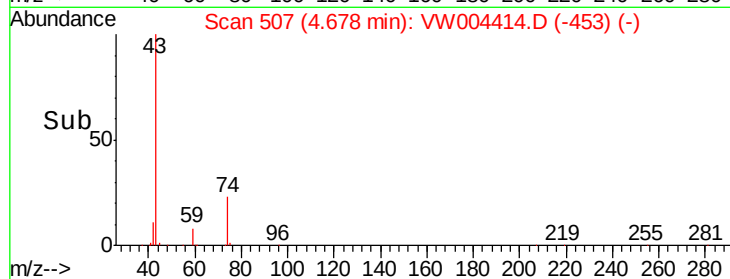
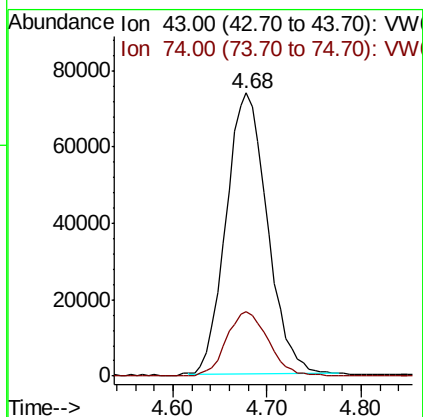
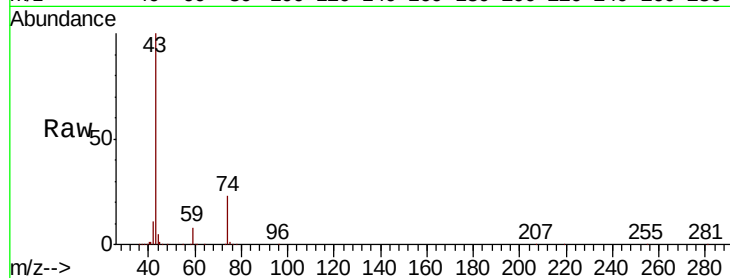




#15
Methvl Acetate
Concen: 26.840 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

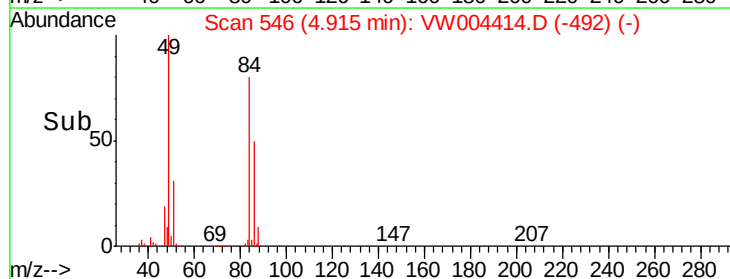
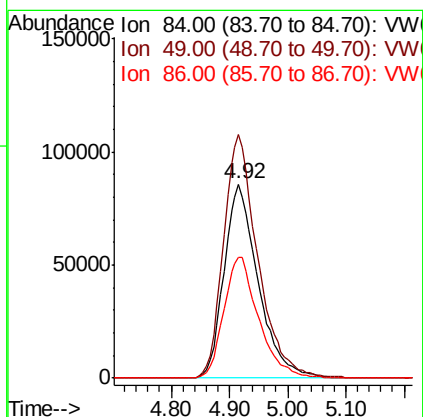
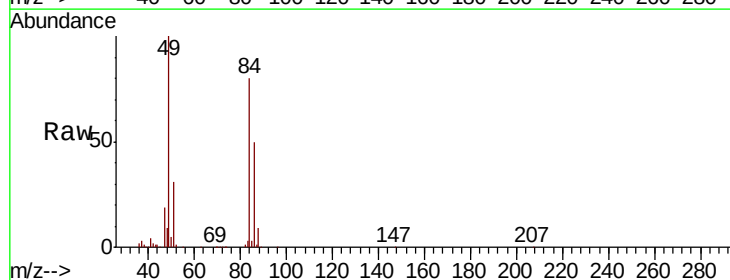
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

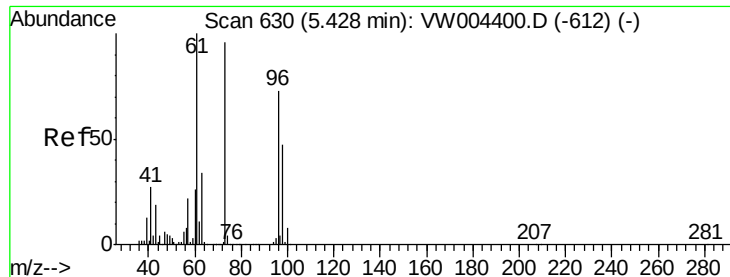
Tot Ion: 43 Resp: 223797
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0



#16
Methylene chloride
Concen: 20.351 ug/L
RT: 4.92 min Scan# 546
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion: 84 Resp: 348021
Ion Ratio Lower Upper
84 100
49 125.3 86.0 159.6
86 62.3 43.5 80.9

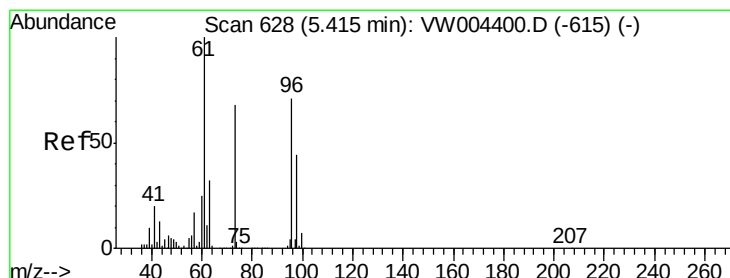
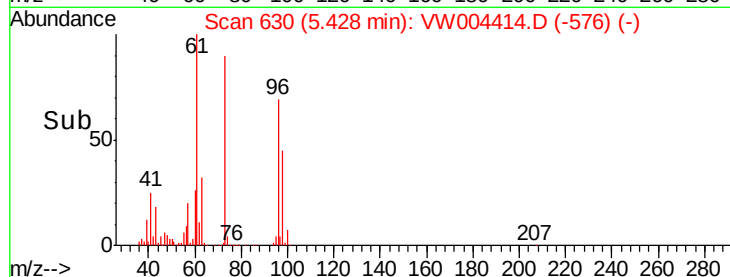
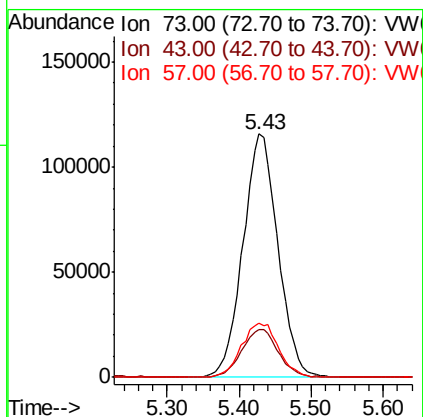
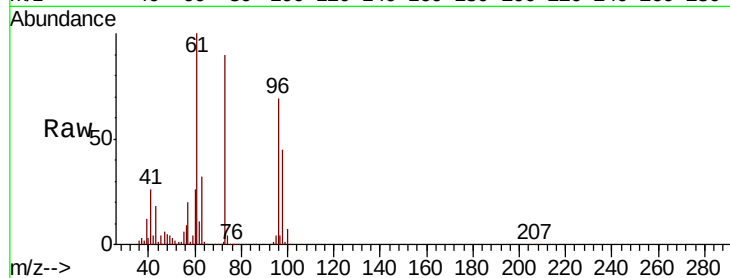




#17
Methyl tert-butyl Ether
Concen: 24.214 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

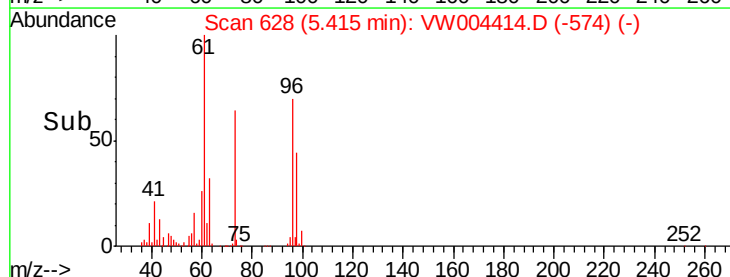
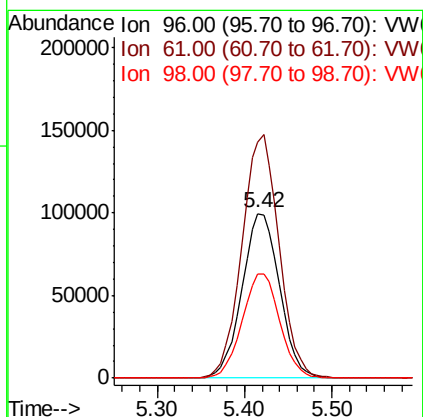
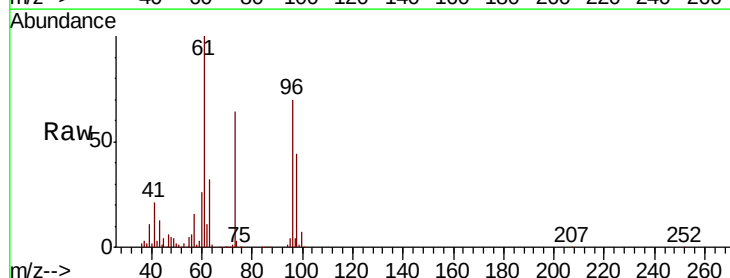
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

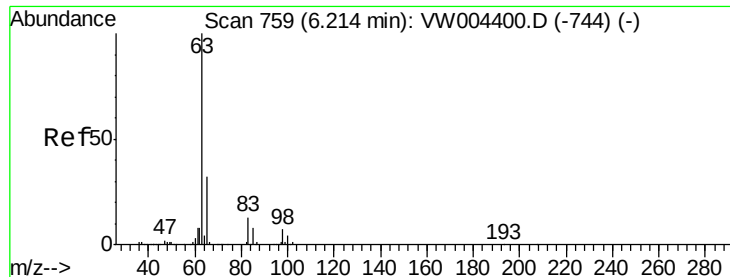
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.2	24.2
57	23.7	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 24.375 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.4	97.9	181.7
98	63.1	43.0	79.8

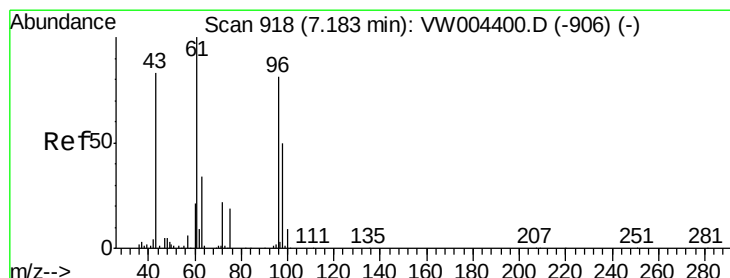
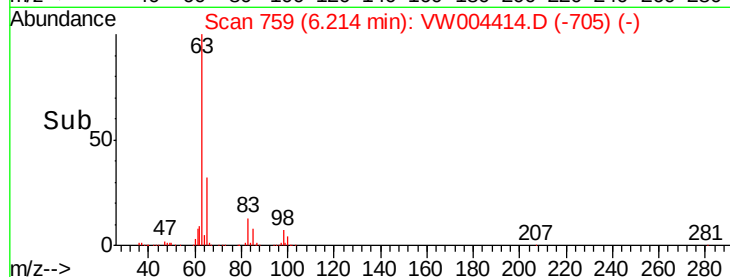
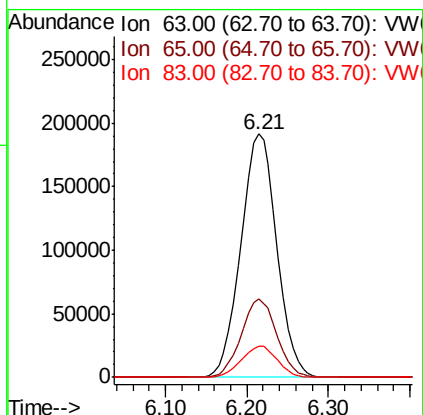
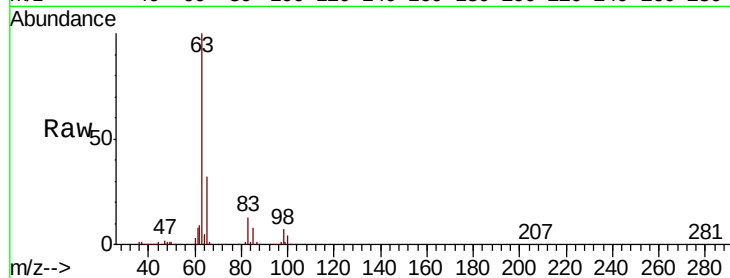




#19
 1,1-Dichloroethane
 Concen: 25.302 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

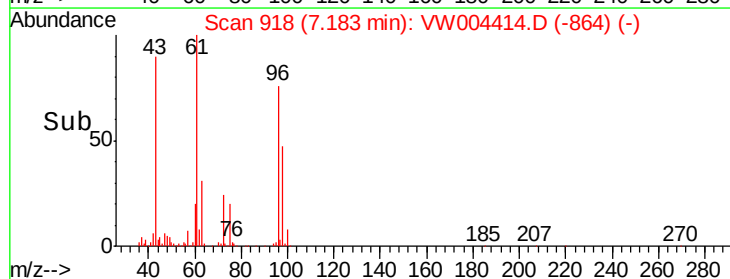
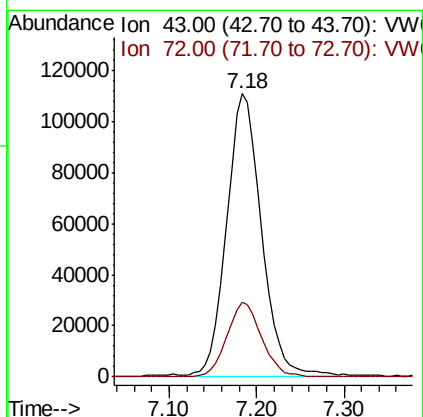
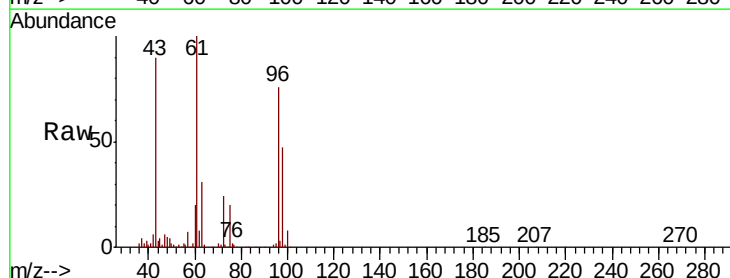
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

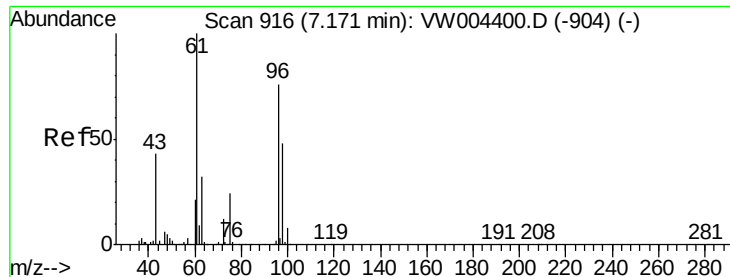
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	22.5	41.7
83	12.9	9.3	17.3



#21
 2-Butanone
 Concen: 54.716 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.2	13.2	39.6





#22

cis-1,2-Dichloroethene

Concen: 24.786 ug/L

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

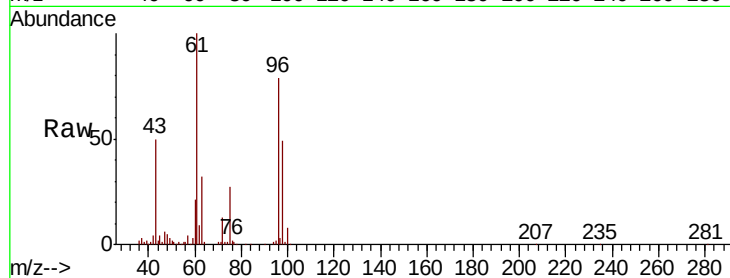
Tot Ion: 96 Resp: 330291

Ion Ratio Lower Upper

96 100

61 126.4 92.5 171.7

98 62.3 44.1 81.9



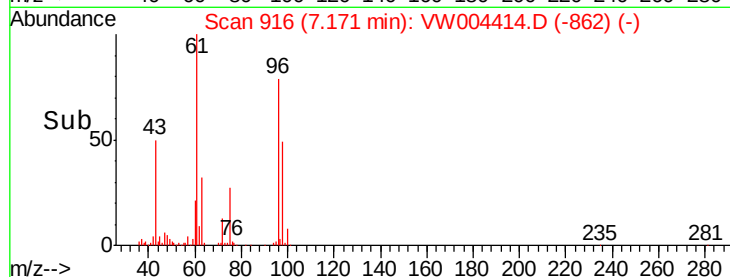
Abundance

Ion 96.00 (95.70 to 96.70): VW

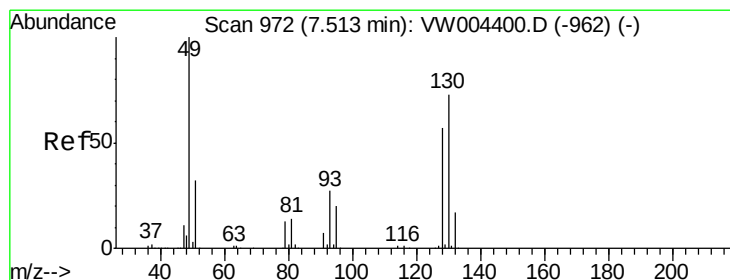
Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

Time-->



Time-->



#23

Bromochloromethane

Concen: 23.854 ug/L

RT: 7.51 min Scan# 972

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Tgt Ion:128 Resp: 152139

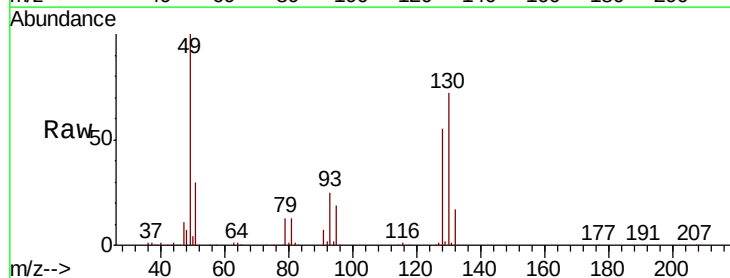
Ion Ratio Lower Upper

128 100

49 180.6 122.0 226.6

130 130.9 88.8 164.8

51 54.4 44.0 66.0



Abundance

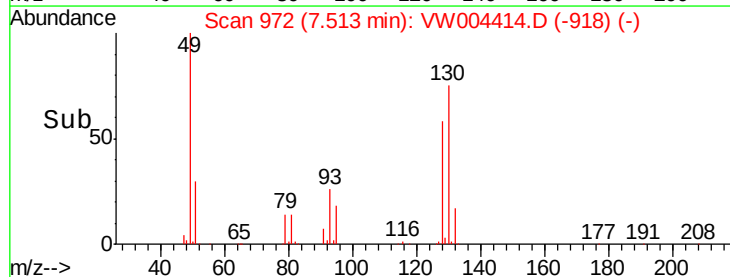
Ion 128.00 (127.70 to 128.70): VW

Ion 49.00 (48.70 to 49.70): VW

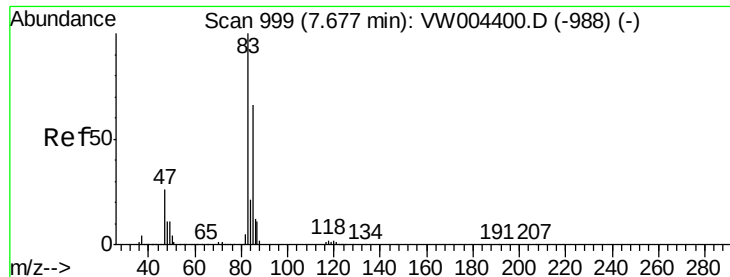
Ion 130.00 (129.70 to 130.70): VW

Ion 51.00 (50.70 to 51.70): VW

Time-->



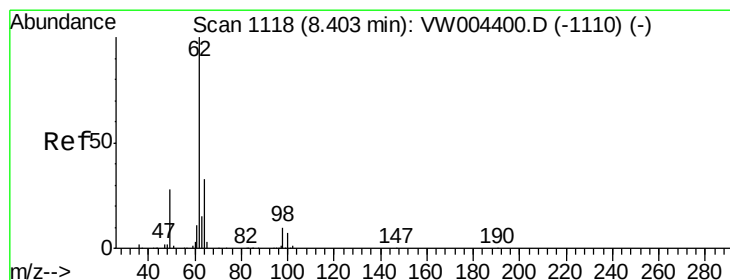
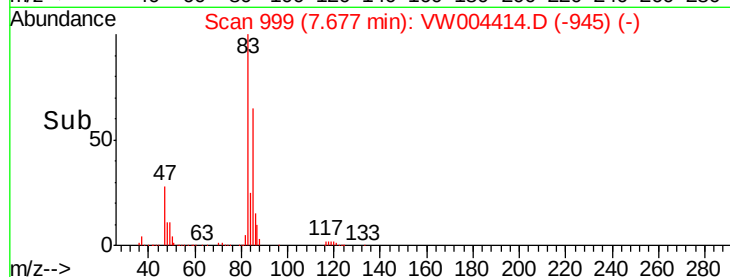
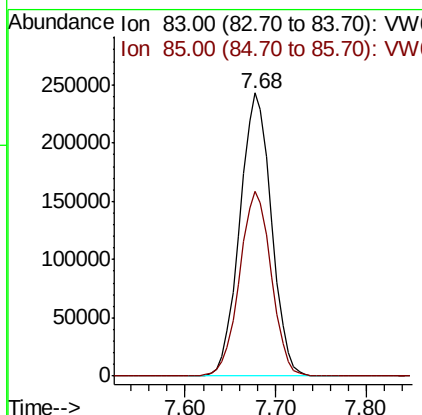
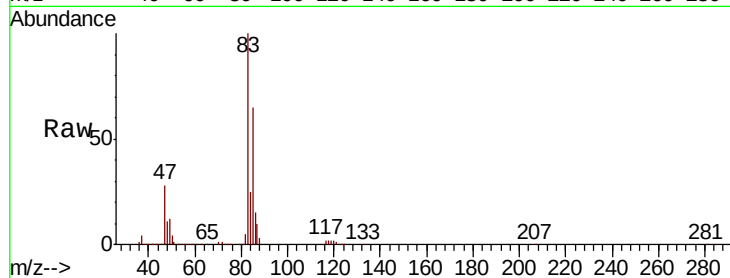
Time-->



#25
Chloroform
Concen: 24.769 ug/L
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

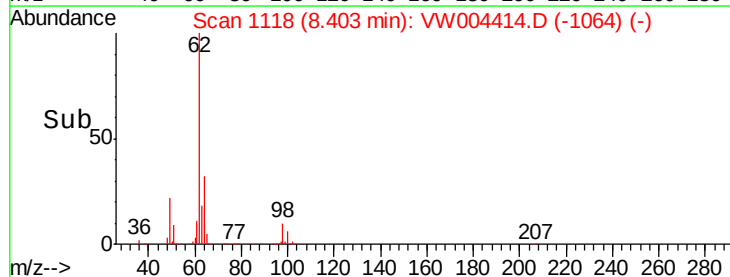
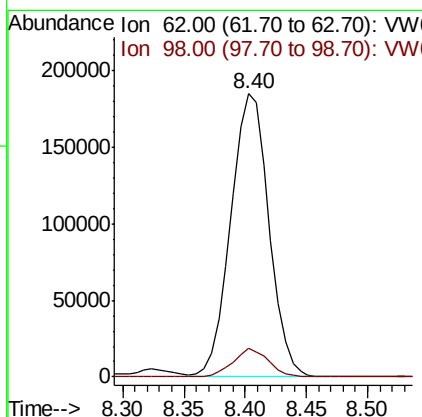
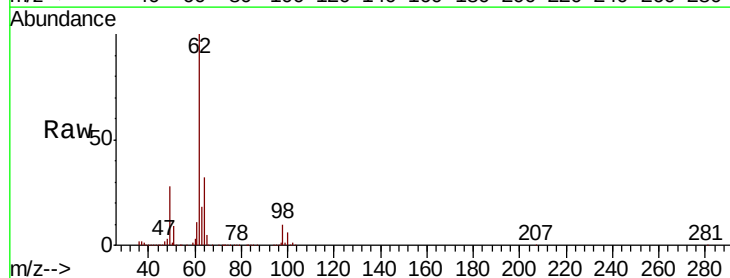
Instrument :
MSVOA_W
ClientSampled :
VSTD02596

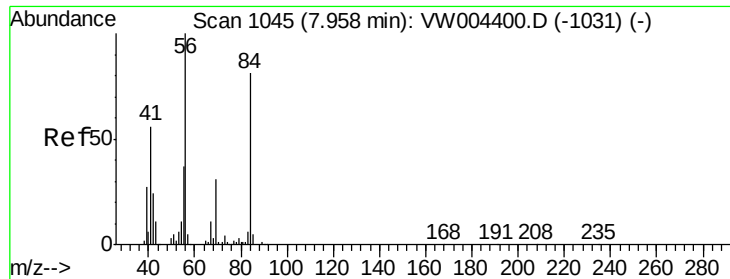
Tot Ion: 83 Resp: 585732
Ion Ratio Lower Upper
83 100
85 65.6 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.176 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion: 62 Resp: 399955
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4

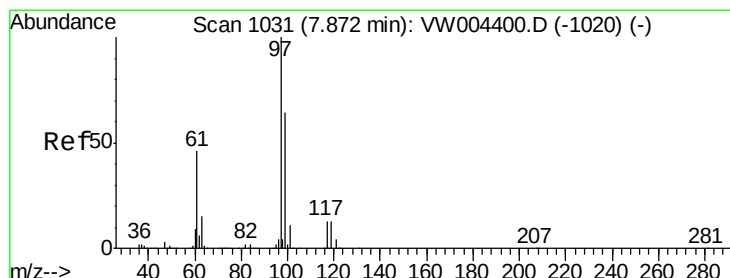
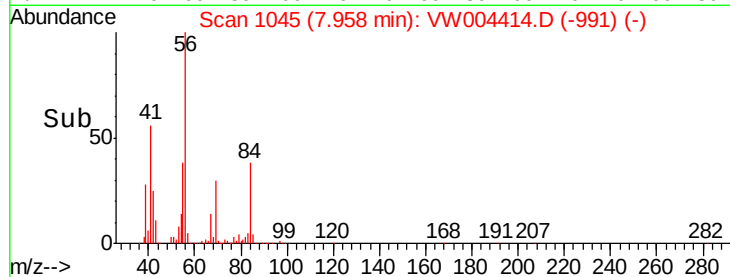
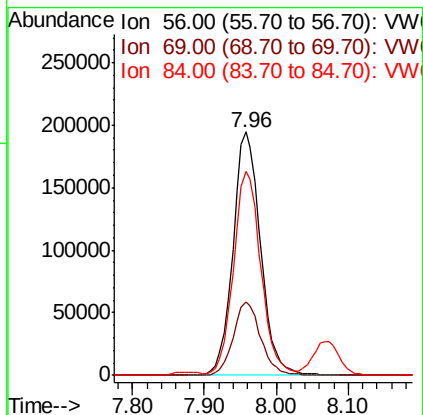
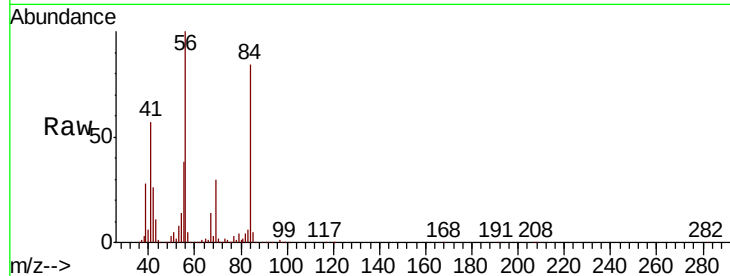




#30
Cyclohexane
Concen: 25.990 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

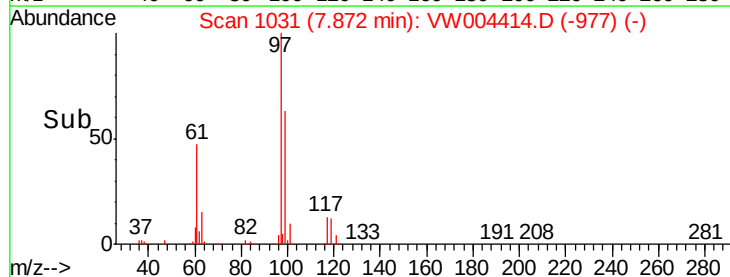
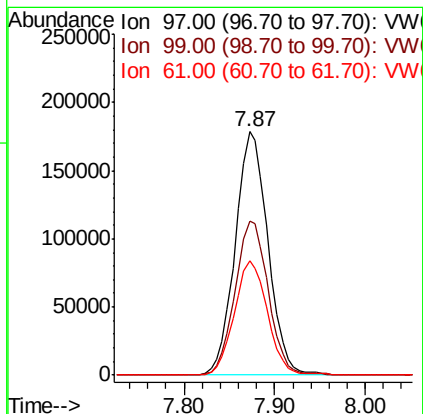
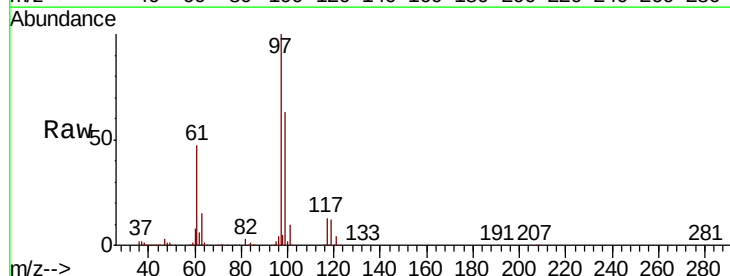
Instrument :
MSVOA_W
ClientSampled :
VSTD02596

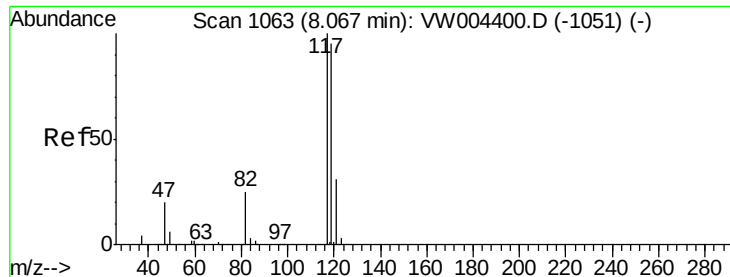
Tot Ion: 56 Resp: 517007
Ion Ratio Lower Upper
56 100
69 30.0 24.0 36.0
84 83.3 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 25.037 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion: 97 Resp: 447438
Ion Ratio Lower Upper
97 100
99 64.2 51.8 77.6
61 47.5 37.3 55.9





#32

Carbon tetrachloride

Concen: 25.355 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

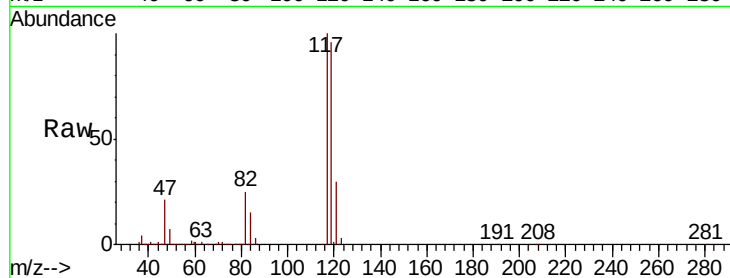
VSTD02596

Tot Ion:117 Resp: 436695

Ion Ratio Lower Upper

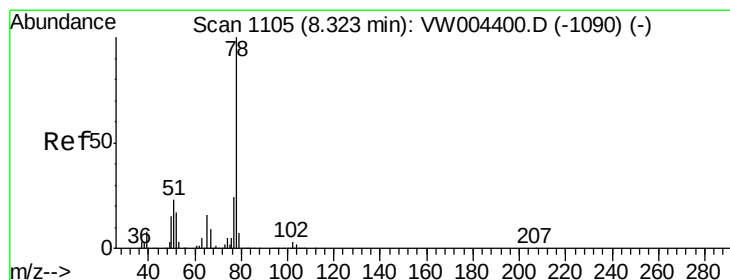
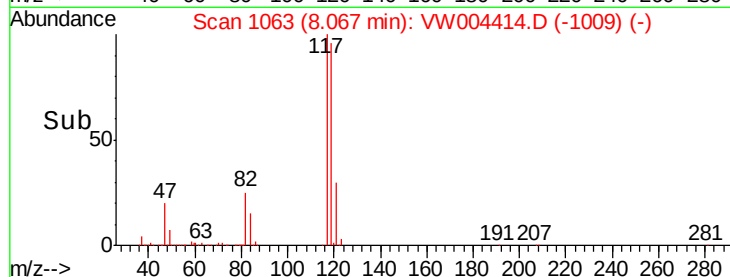
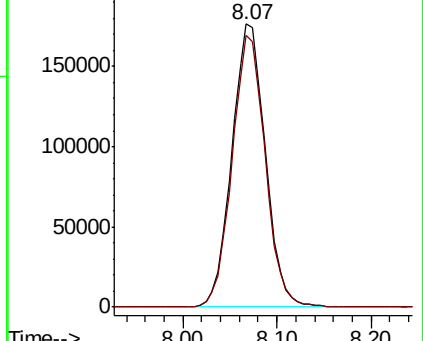
117 100

119 95.1 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.435 ug/L

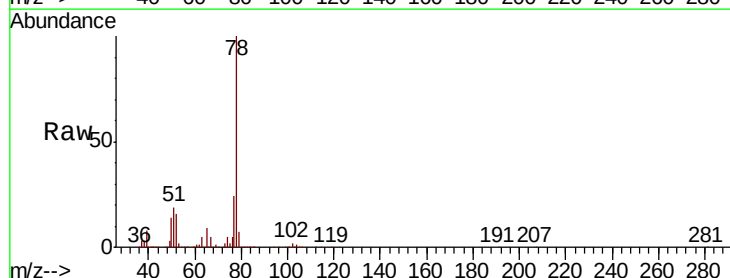
RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

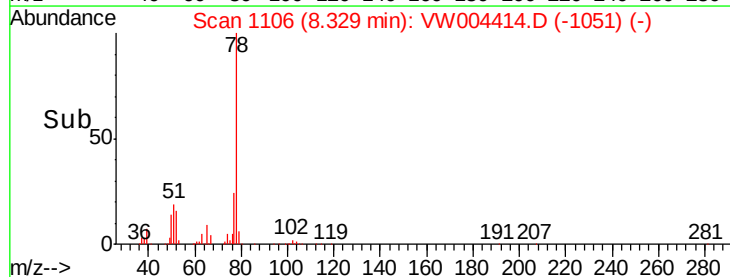
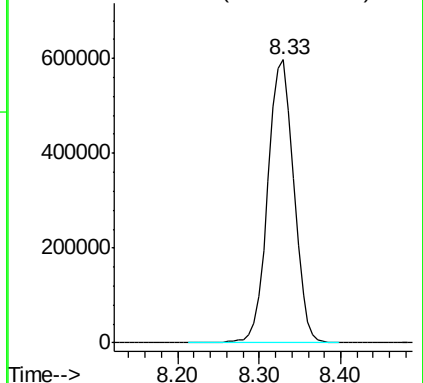
Lab File: VW004414.D

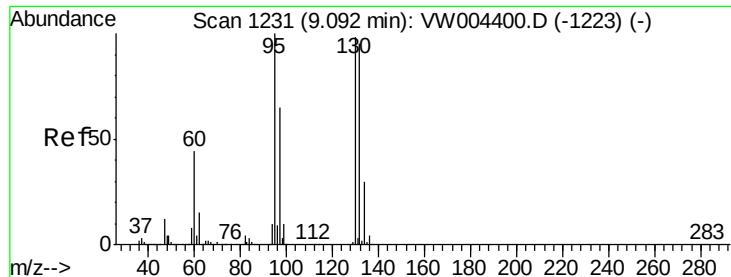
Acq: 02 Aug 2018 21:38

Tgt Ion: 78 Resp: 1319060



Abundance Ion 78.00 (77.70 to 78.70): VW

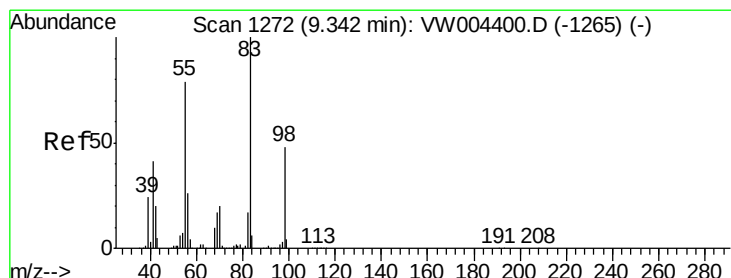
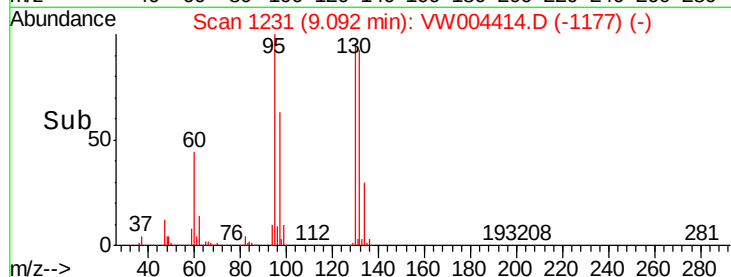
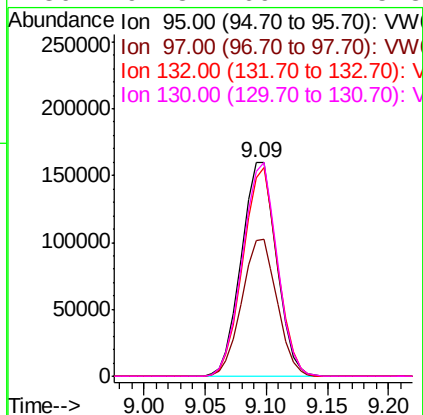
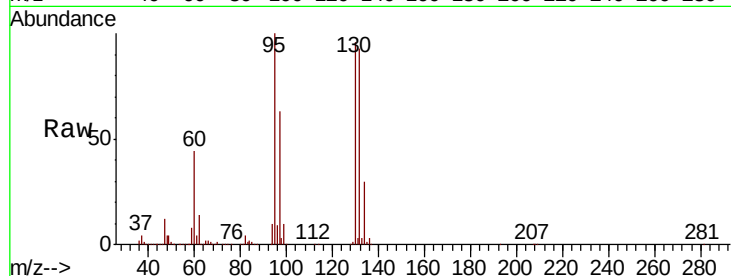




#35
 Trichloroethene
 Concen: 24.617 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

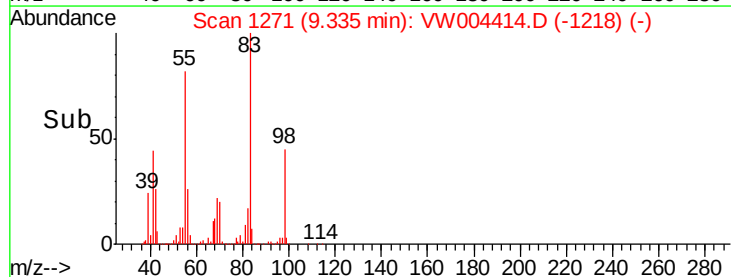
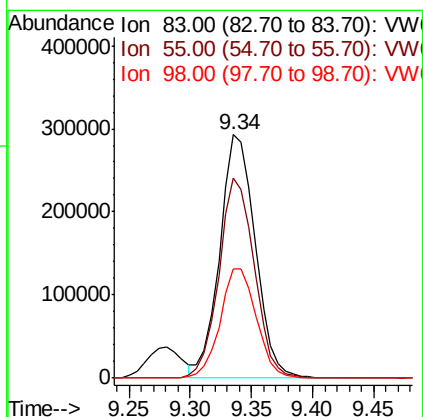
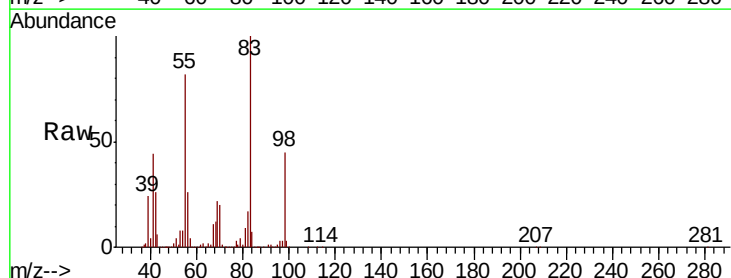
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

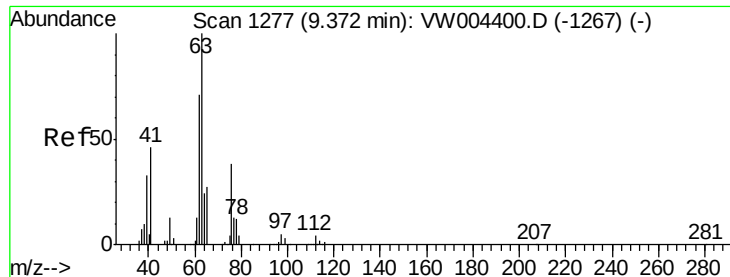
Tot Ion:	95	Resp:	321115
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.9	83.5
132	95.2	67.6	125.6
130	97.8	69.1	128.3



#36
 Methylcyclohexane
 Concen: 25.749 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

Tgt Ion:	83	Resp:	589623
Ion	Ratio	Lower	Upper
83	100		
55	81.6	62.8	94.2
98	45.7	36.6	54.8





#40

1,2-Dichloropropane

Concen: 24.720 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

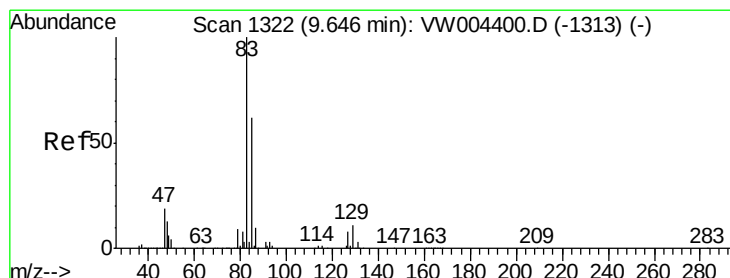
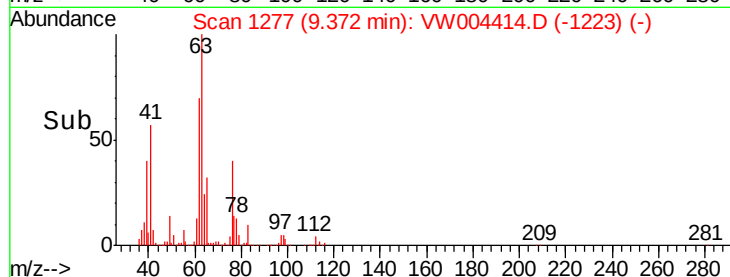
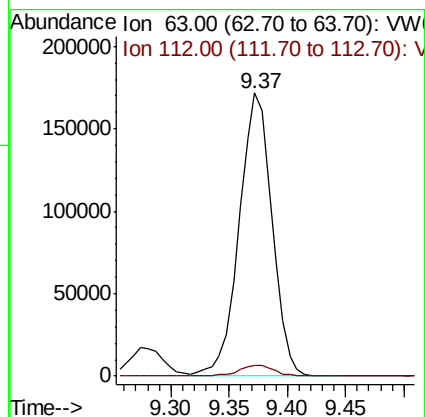
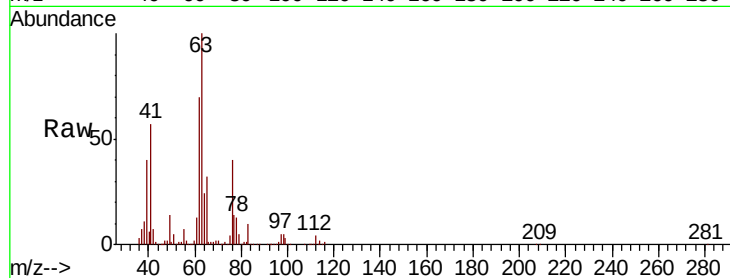
VSTD02596

Tot Ion: 63 Resp: 339536

Ion Ratio Lower Upper

63 100

112 4.1 3.0 4.6



#41

Bromodichloromethane

Concen: 24.389 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

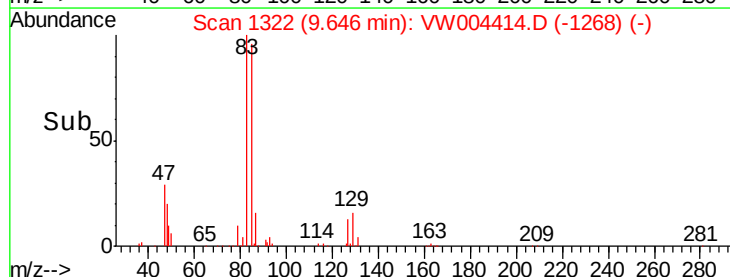
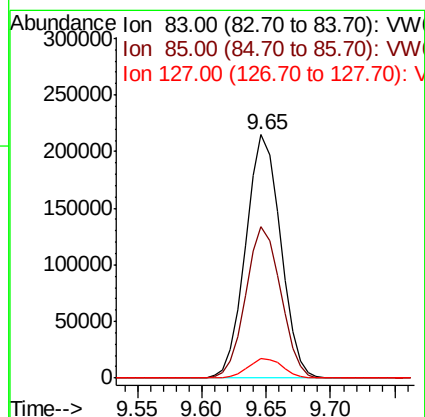
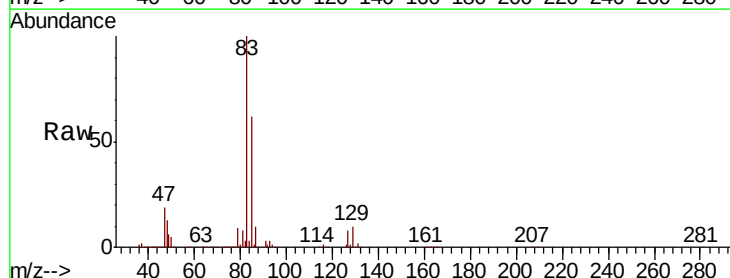
Tgt Ion: 83 Resp: 402386

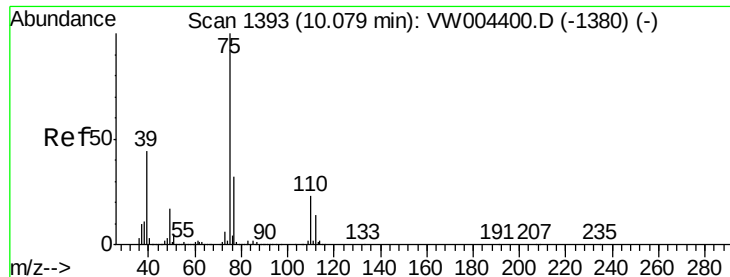
Ion Ratio Lower Upper

83 100

85 62.3 43.7 81.1

127 8.3 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 23.715 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampled :

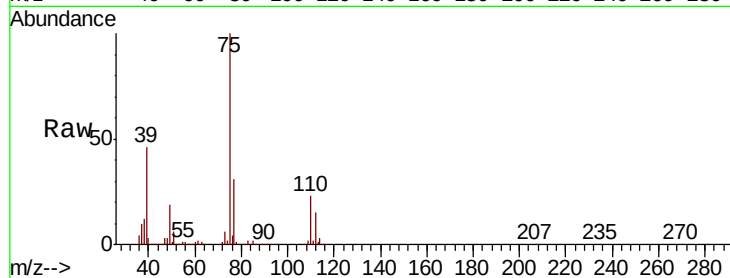
VSTD02596

Tot Ion: 75 Resp: 445579

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

250000

200000

150000

100000

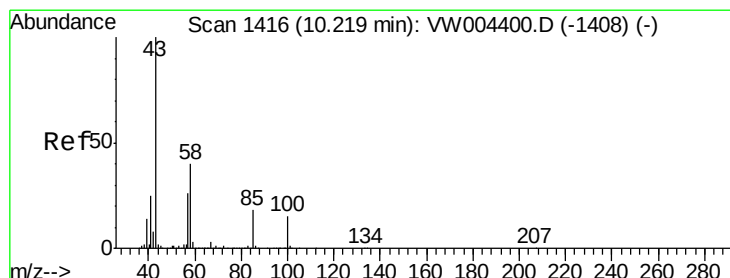
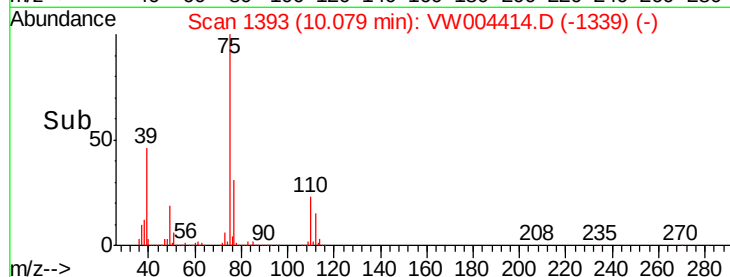
50000

0

10.08

10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 56.965 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

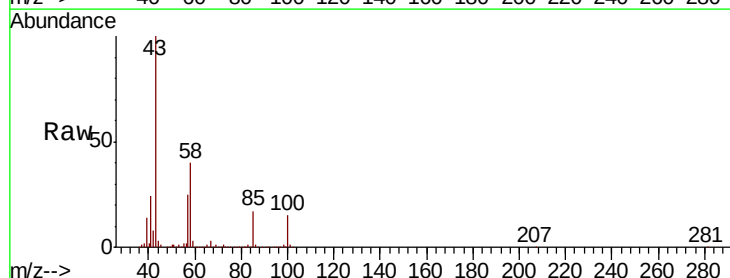
Tgt Ion: 43 Resp: 586655

Ion Ratio Lower Upper

43 100

58 38.4 31.5 47.3

100 14.2 11.7 17.5



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

500000

400000

300000

200000

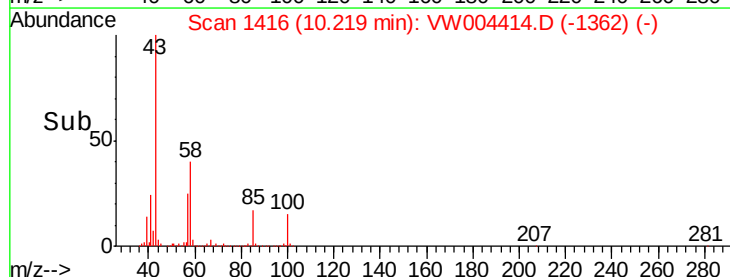
100000

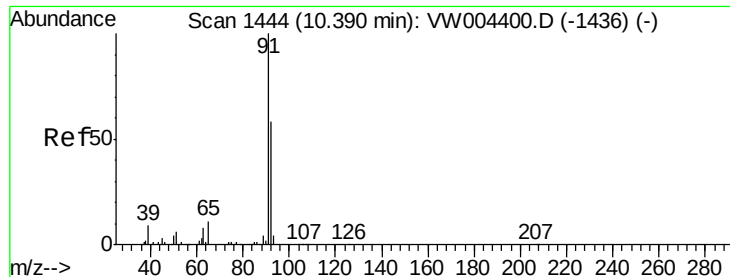
0

10.22

10.30

Time-->





#44

Toluene

Concen: 26.144 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

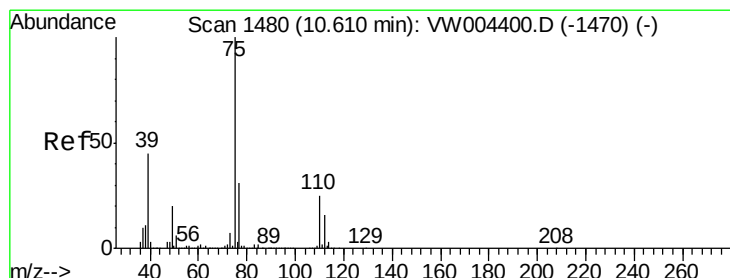
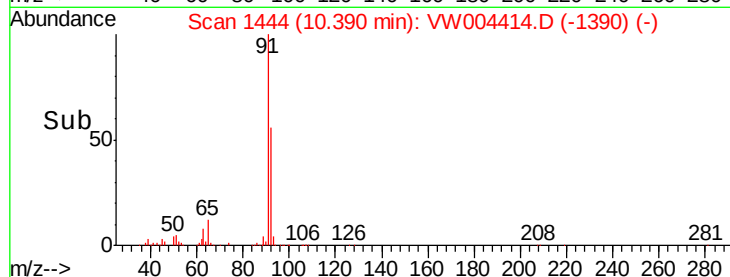
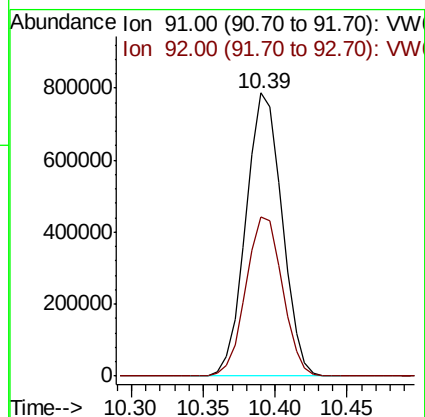
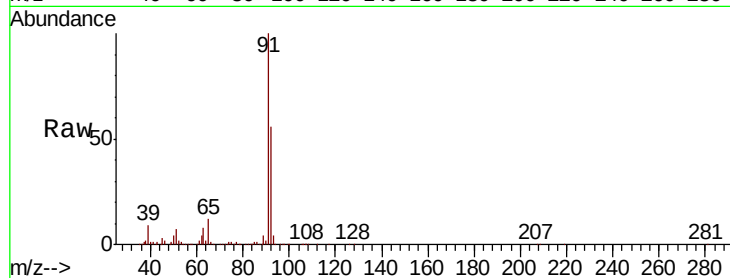
VSTD02596

Tot Ion: 91 Resp: 1364398

Ion Ratio Lower Upper

91 100

92 56.2 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 24.537 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004414.D

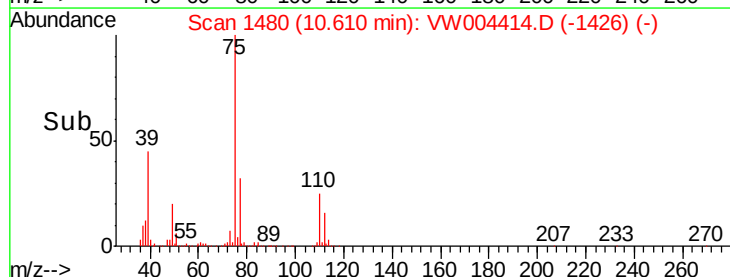
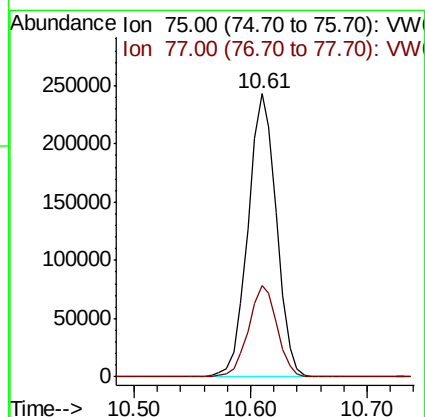
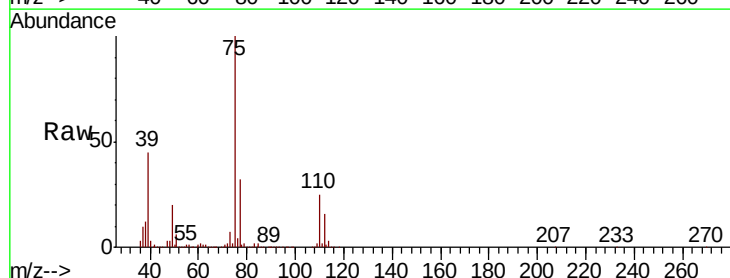
Acq: 02 Aug 2018 21:38

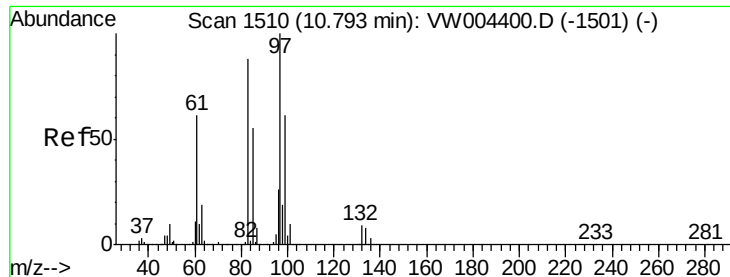
Tgt Ion: 75 Resp: 414424

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6

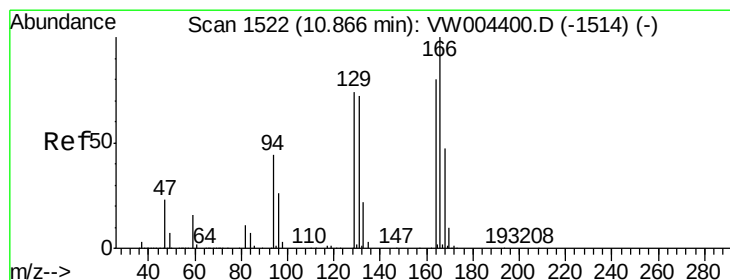
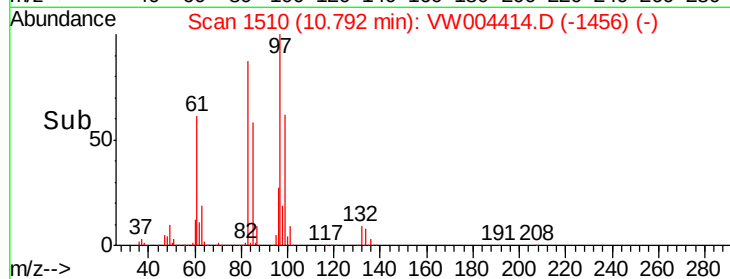
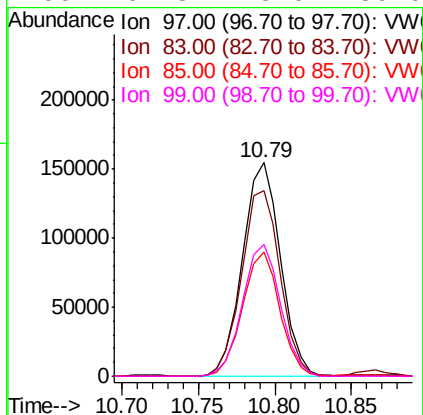
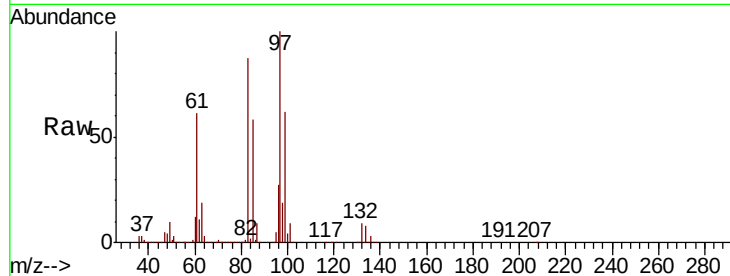




#46
 1,1,2-Trichloroethane
 Concen: 25.016 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

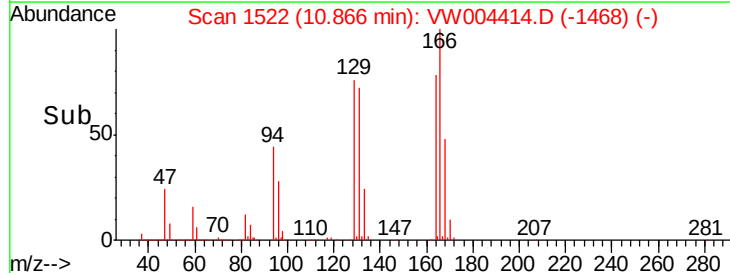
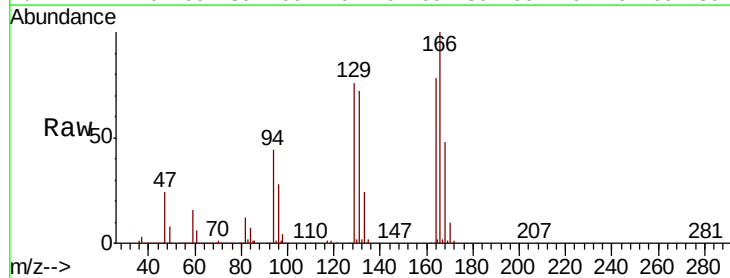
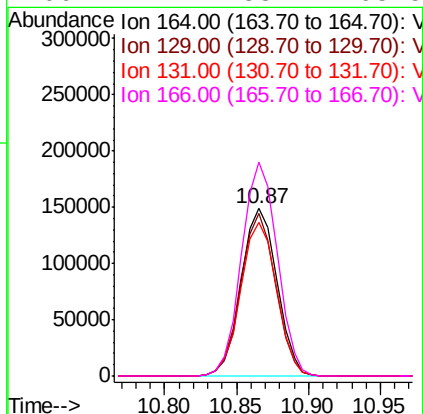
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

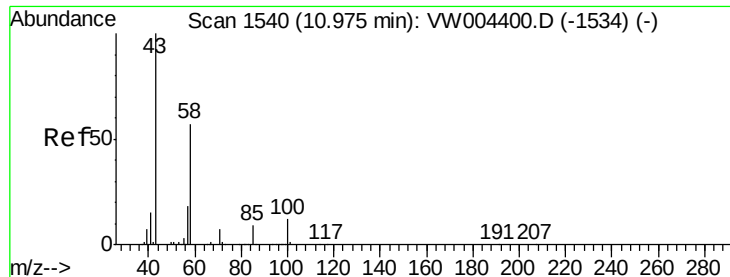
Tot Ion:	97	Resp:	267118
Ion	Ratio	Lower	Upper
97	100		
83	86.9	61.8	114.8
85	58.3	38.8	72.0
99	61.8	43.0	80.0



#47
 Tetrachloroethene
 Concen: 24.762 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

Tgt Ion:	164	Resp:	255572
Ion	Ratio	Lower	Upper
164	100		
129	97.6	65.4	121.4
131	92.0	63.8	118.6
166	127.7	88.1	163.5

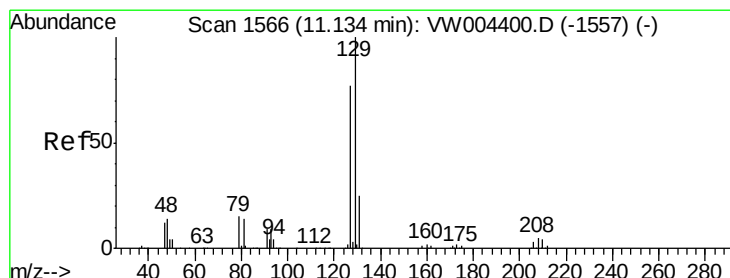
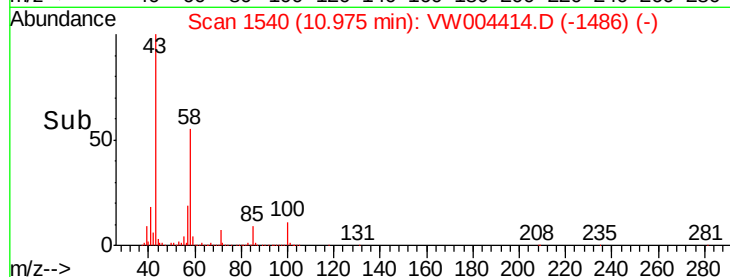
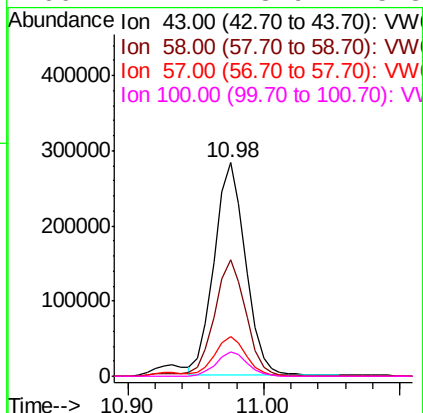
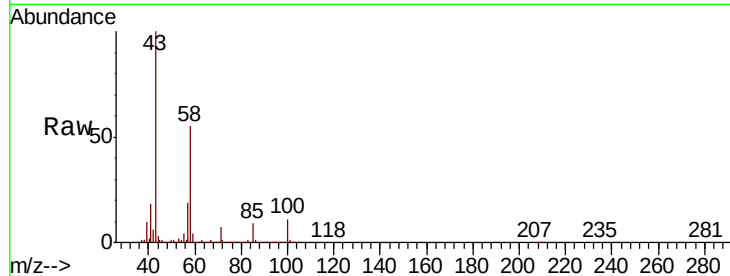




#49
2-Hexanone
Concen: 58.618 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

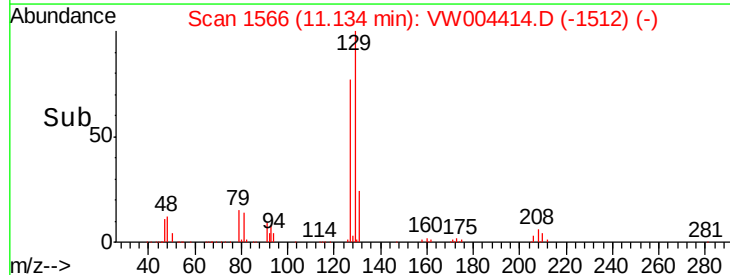
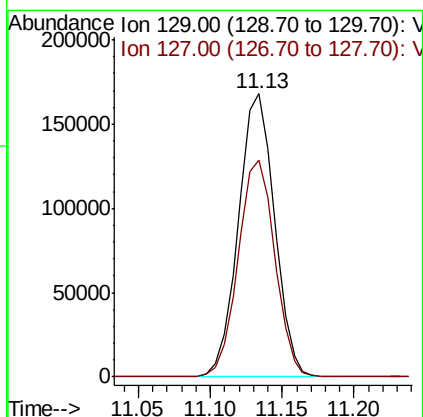
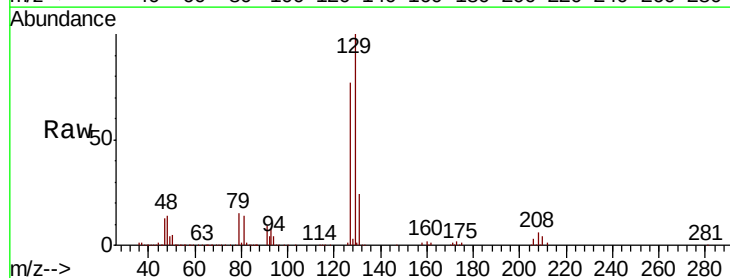
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

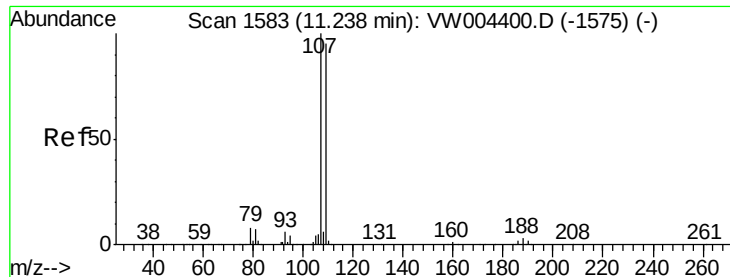
Tot Ion: 43 Resp: 453656
Ion Ratio Lower Upper
43 100
58 53.7 43.4 65.0
57 18.4 15.0 22.6
100 11.2 8.9 13.3



#50
Dibromochloromethane
Concen: 24.679 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion: 129 Resp: 292324
Ion Ratio Lower Upper
129 100
127 76.8 54.1 100.5

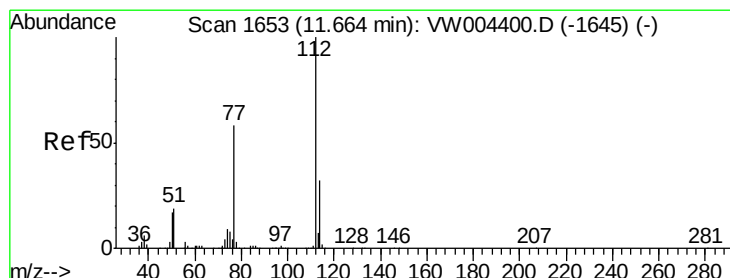
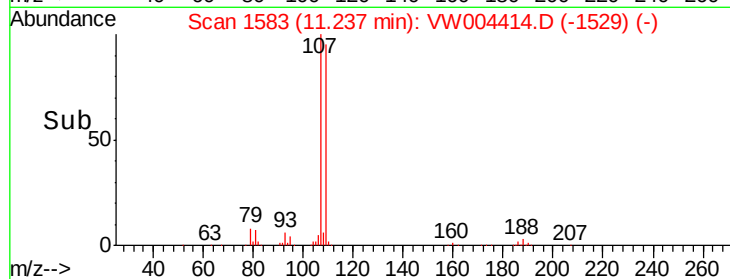
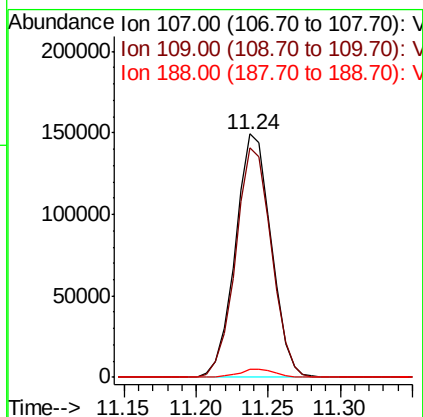
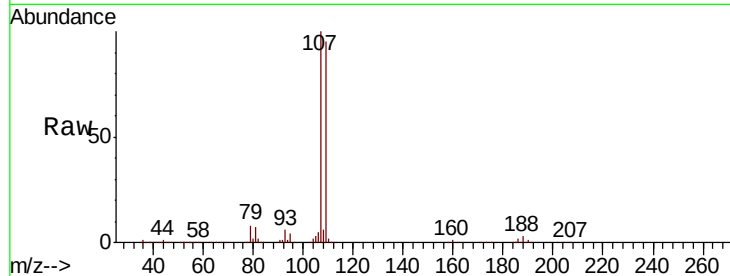




#51
1,2-Dibromoethane
Concen: 25.167 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

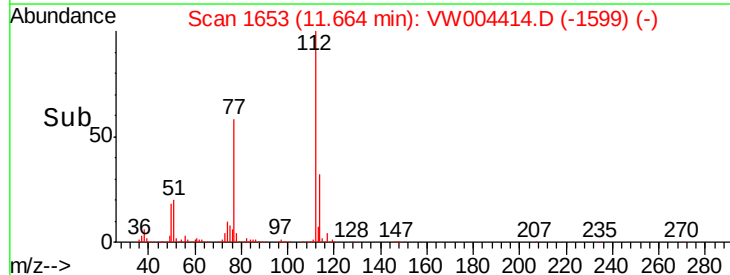
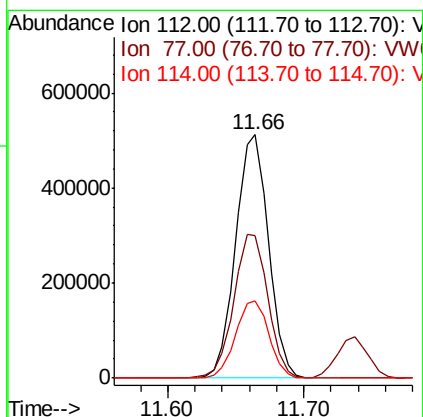
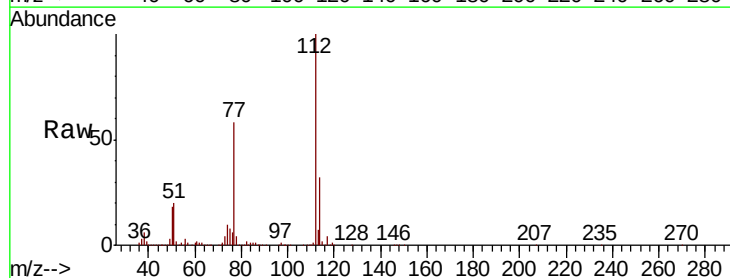
Instrument :
MSVOA_W
ClientSampleId :
VSTD02596

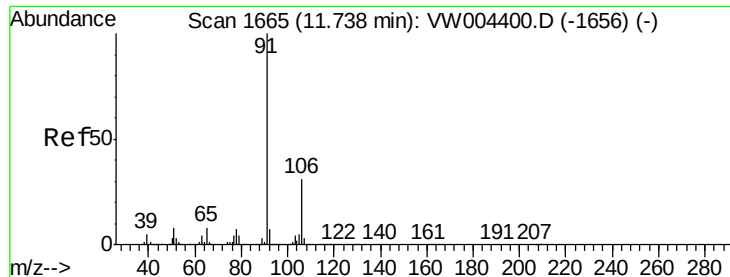
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.8	124.2
188	3.5	2.6	3.8



#52
Chlorobenzene
Concen: 24.419 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.4	46.5	69.7
114	31.8	22.0	41.0





#53

Ethylbenzene

Concen: 25.631 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

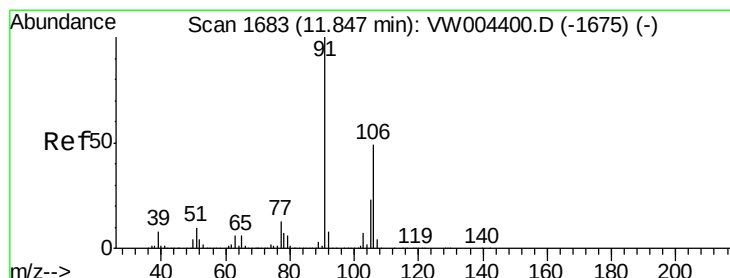
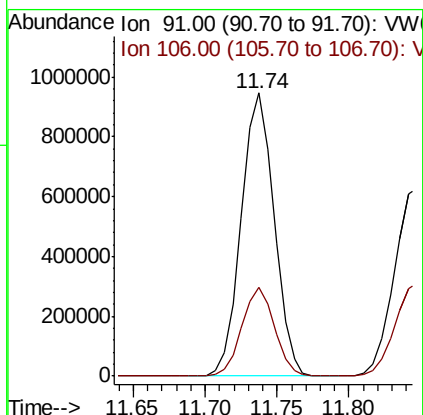
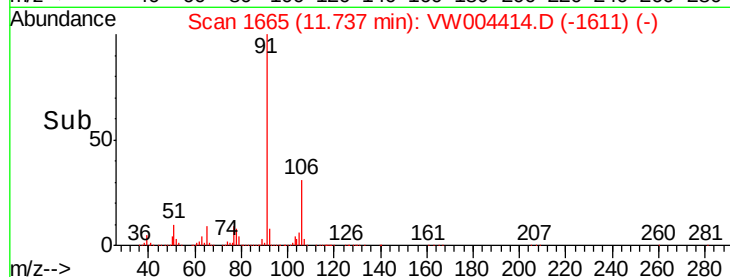
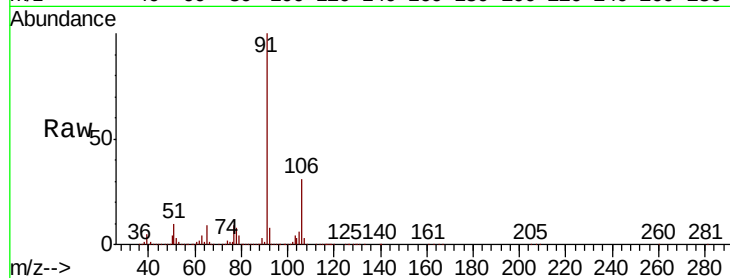
VSTD02596

Tot Ion: 91 Resp: 1503104

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#54

m,p-Xylene

Concen: 26.213 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW004414.D

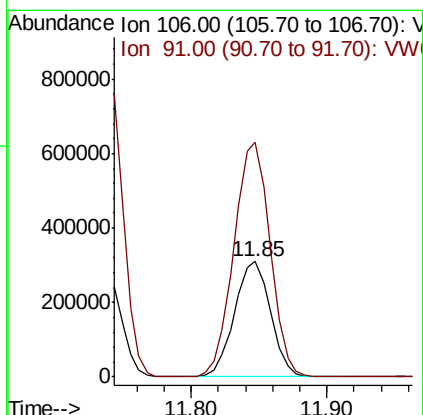
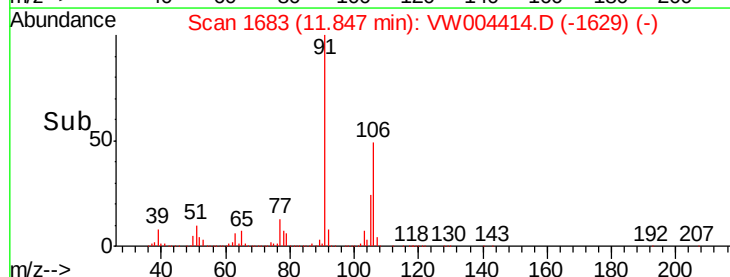
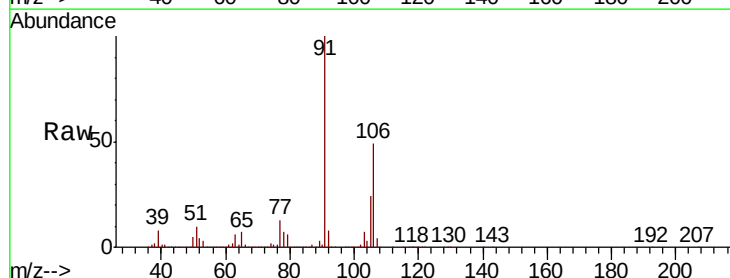
Acq: 02 Aug 2018 21:38

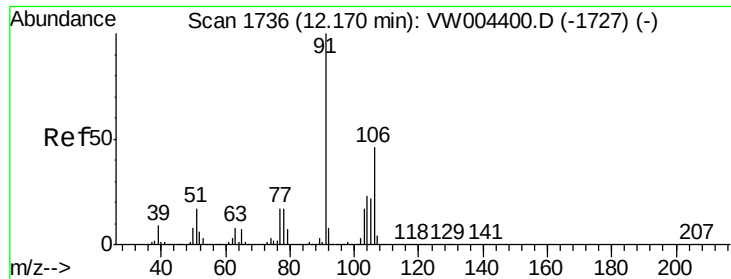
Tgt Ion: 106 Resp: 573528

Ion Ratio Lower Upper

106 100

91 203.2 143.0 265.6

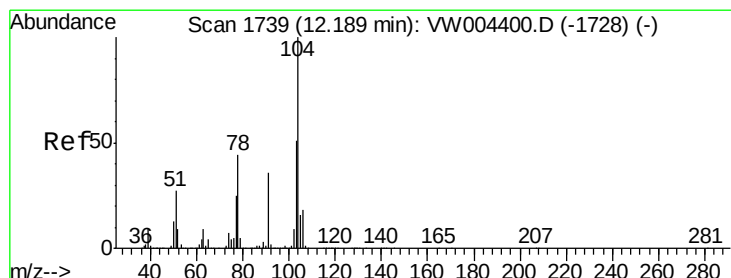
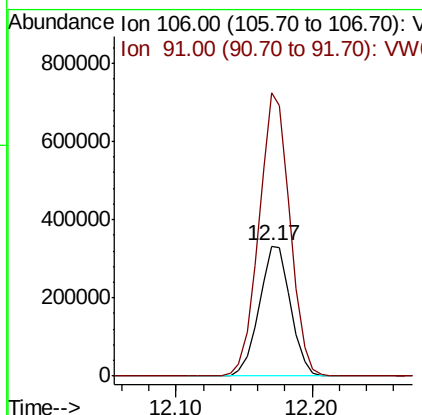
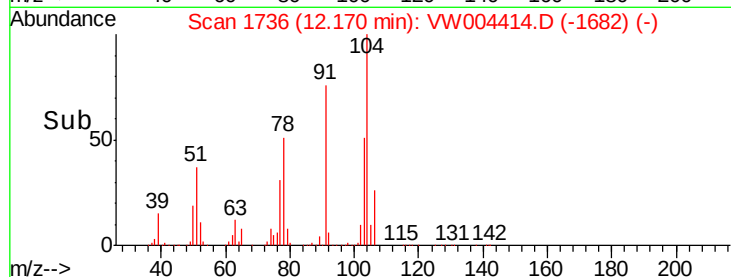
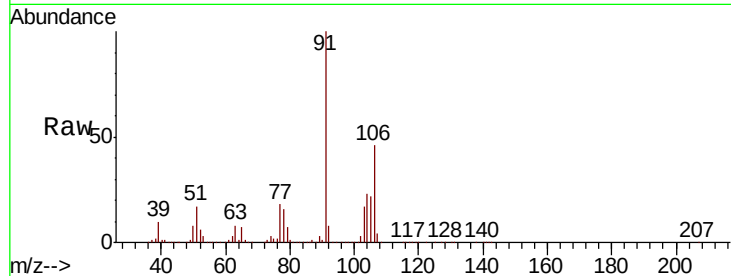




#55
o-xylene
Concen: 25.934 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

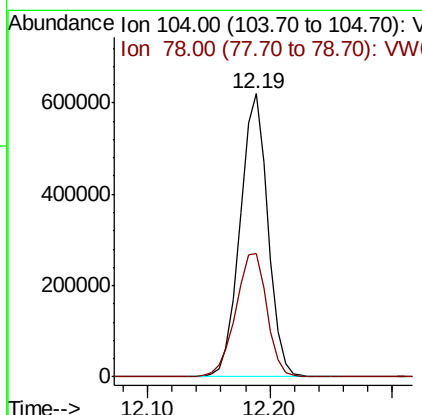
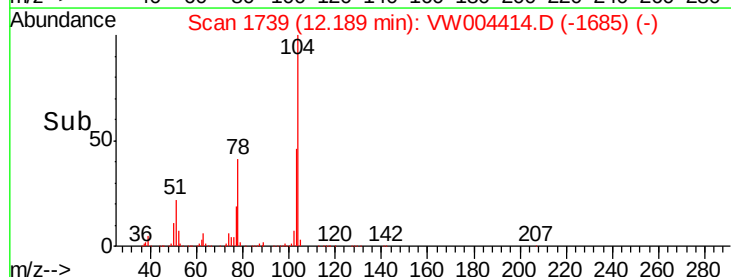
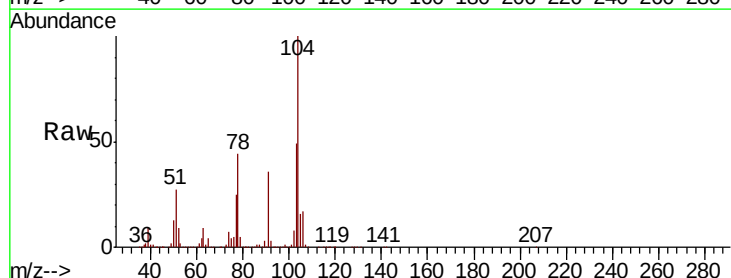
Instrument :
MSVOA_W
ClientSampled :
VSTD02596

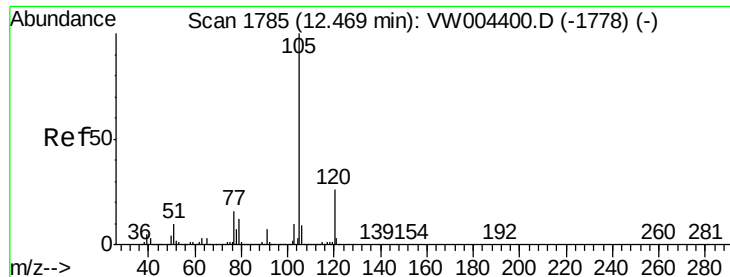
Tot Ion:106 Resp: 537647
Ion Ratio Lower Upper
106 100
91 217.4 152.0 282.4



#56
Styrene
Concen: 26.926 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004414.D
Acq: 02 Aug 2018 21:38

Tgt Ion:104 Resp: 972709
Ion Ratio Lower Upper
104 100
78 43.6 30.8 57.2





#57

Isopropylbenzene

Concen: 26.617 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

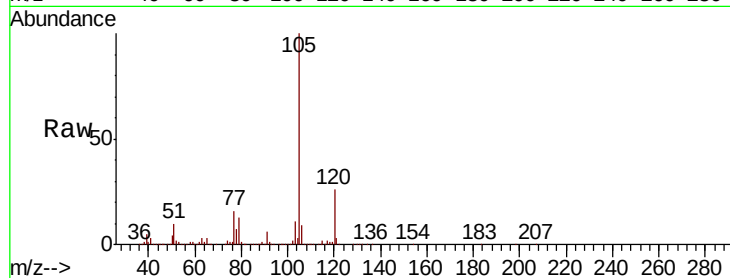
Tot Ion:105 Resp: 1493657

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.4

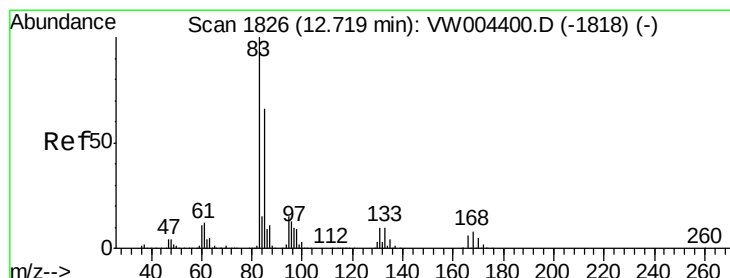
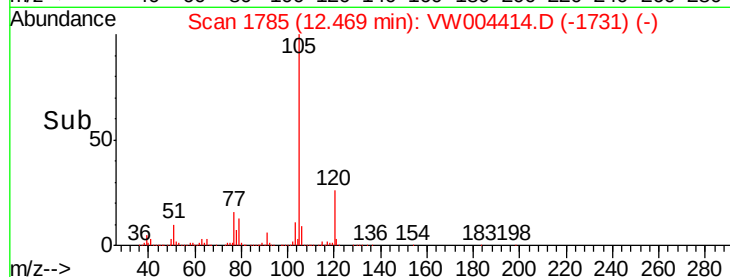
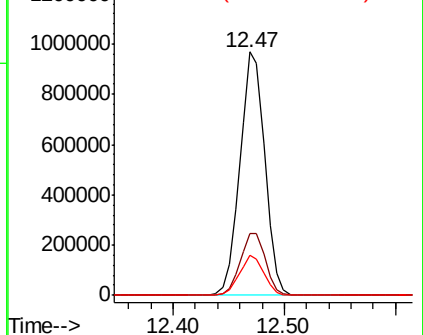
77 16.0 12.4 18.6



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: 26.564 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

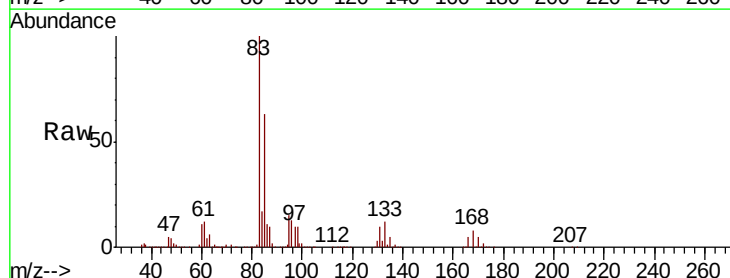
Tgt Ion: 83 Resp: 411691

Ion Ratio Lower Upper

83 100

85 63.0 46.1 85.5

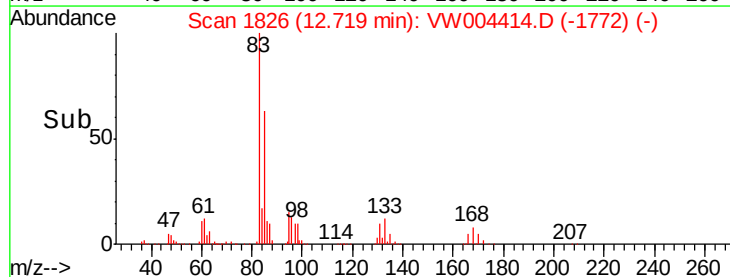
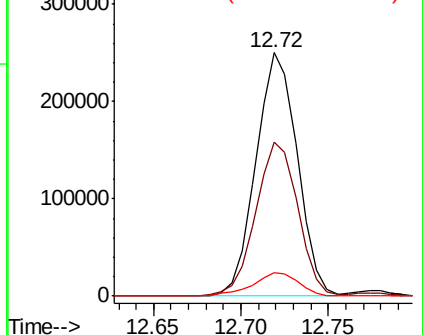
131 9.8 8.1 12.1

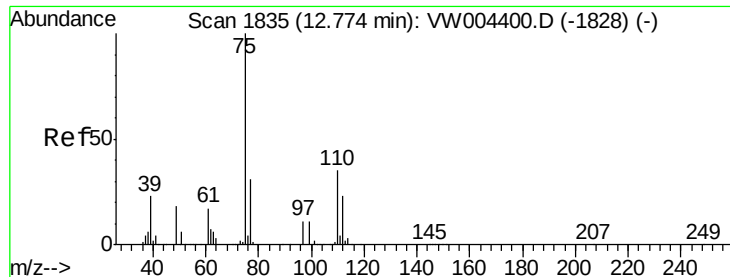


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.193 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

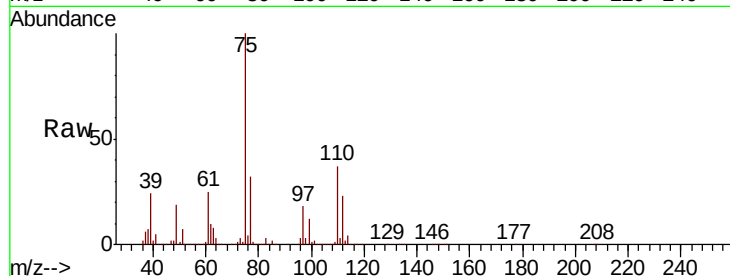
VSTD02596

Tot Ion: 75 Resp: 314758

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

200000

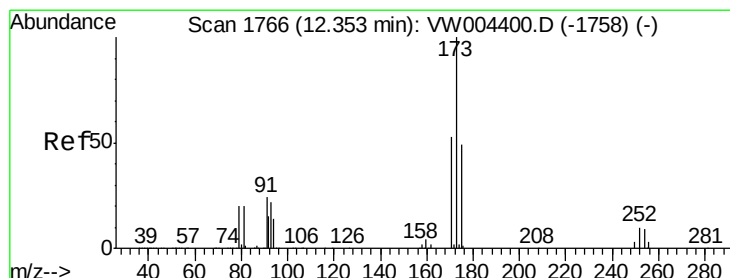
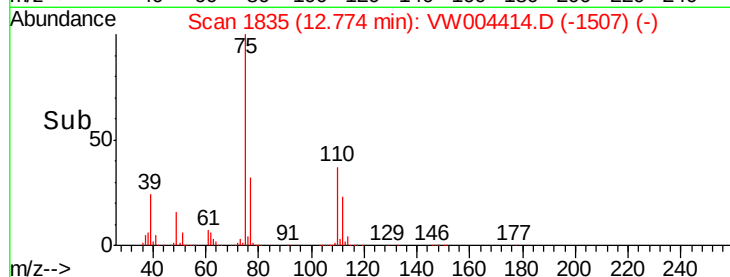
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 25.329 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

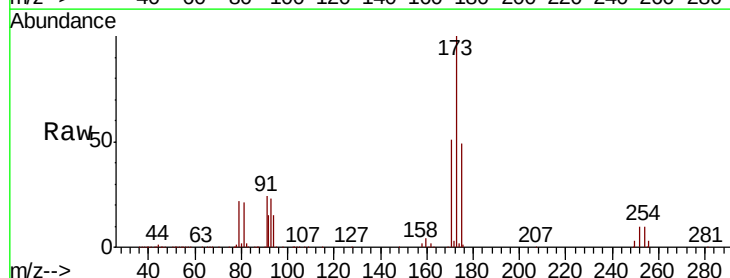
Tgt Ion: 173 Resp: 195416

Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 10.0 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

12.35

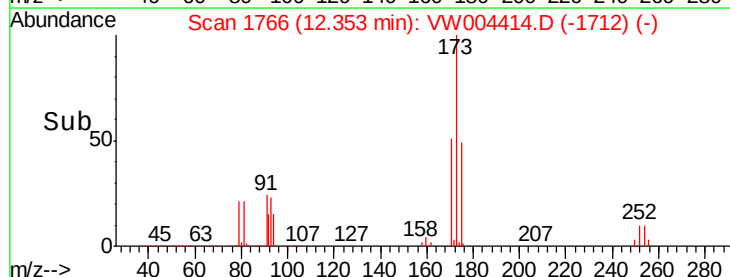
150000

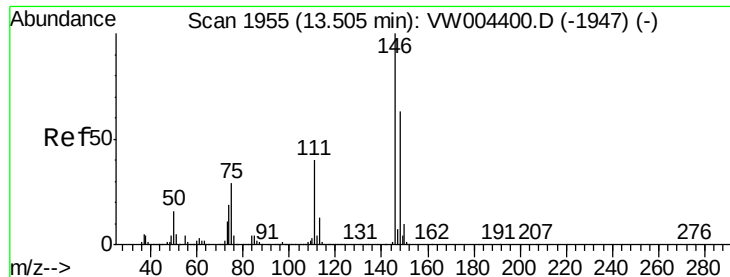
100000

50000

0

Time-->





#63

1,3-Dichlorobenzene

Concen: 24.162 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

MSVOA_W

ClientSampleId :

VSTD02596

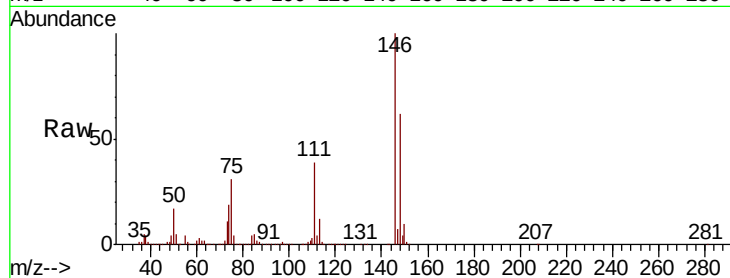
Tot Ion:146 Resp: 638236

Ion Ratio Lower Upper

146 100

111 38.7 27.7 51.5

148 62.3 43.8 81.4

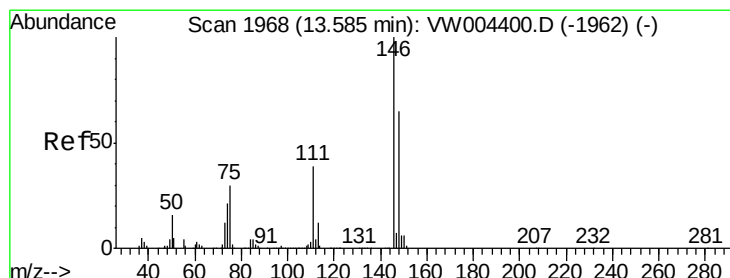
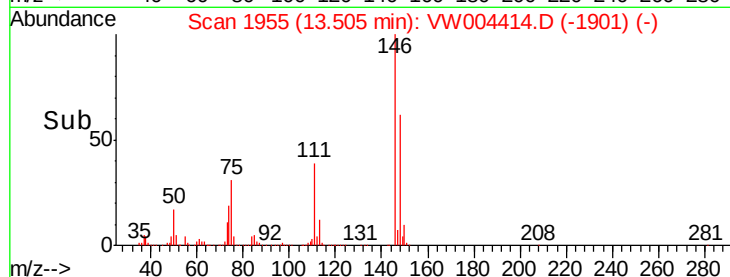
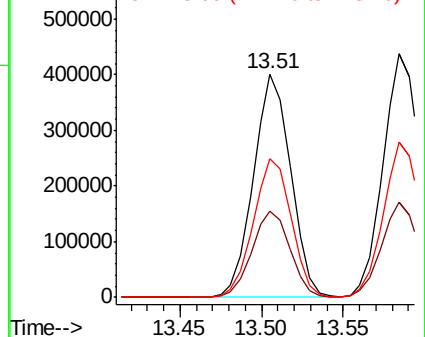


Abundance

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: 24.349 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

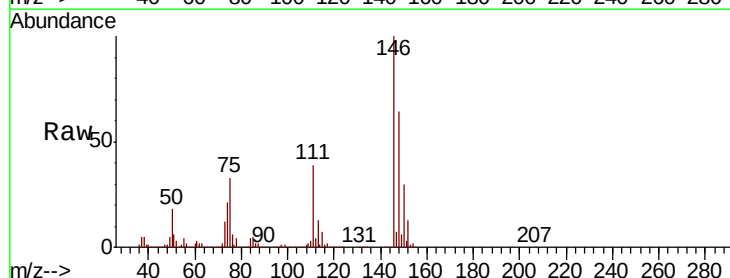
Tgt Ion:146 Resp: 691236

Ion Ratio Lower Upper

146 100

111 38.9 27.7 51.5

148 63.8 45.5 84.5

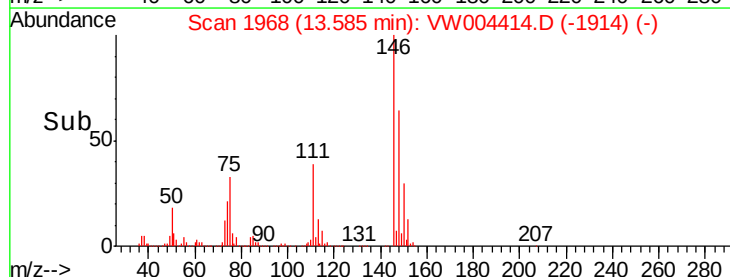
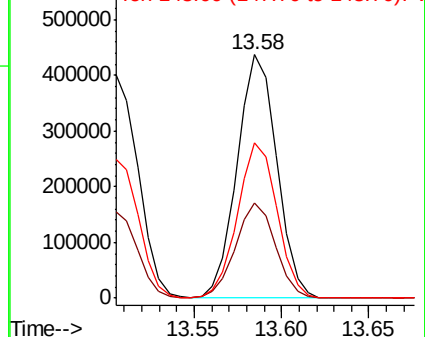


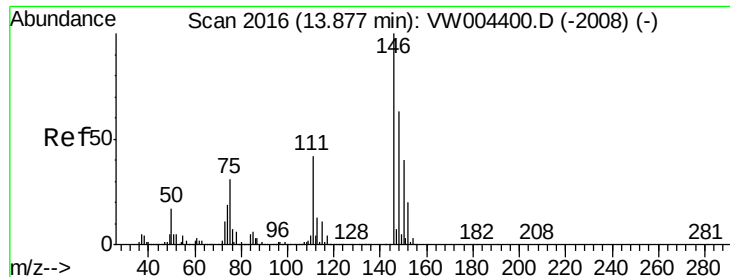
Abundance

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

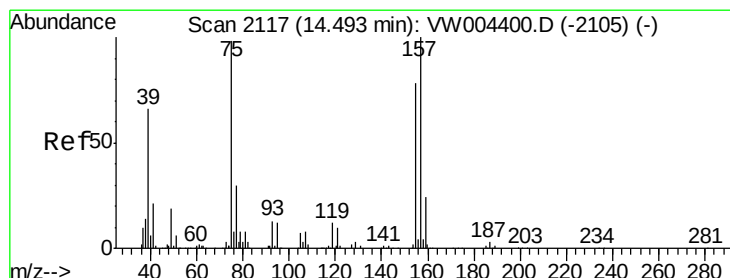
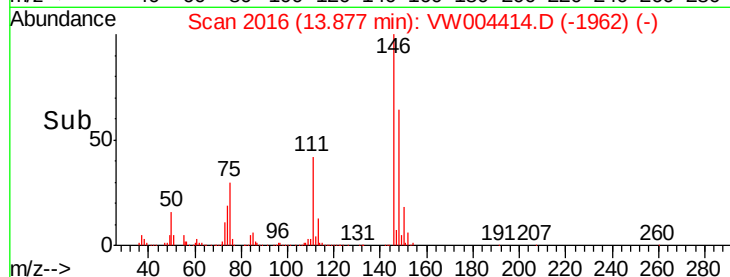
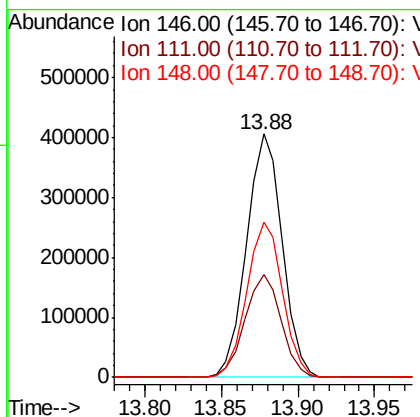
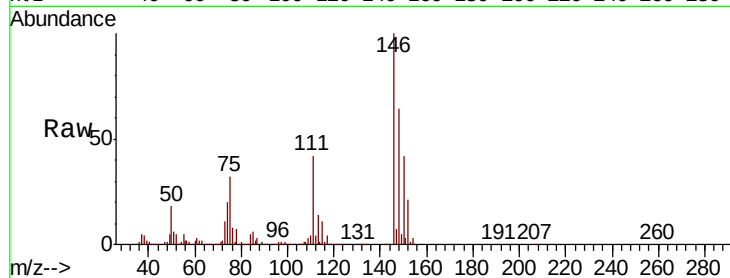




#65
 1,2-Dichlorobenzene
 Concen: 24.902 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

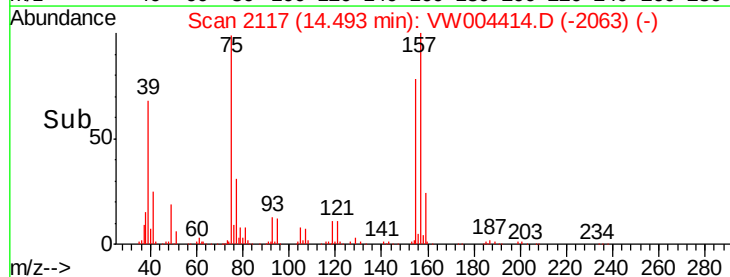
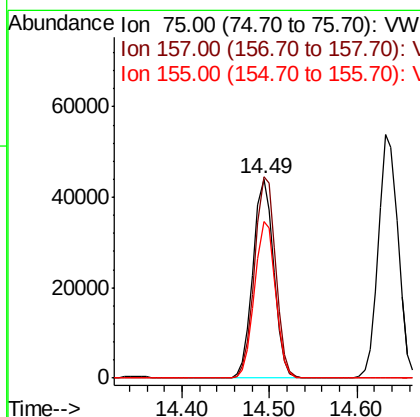
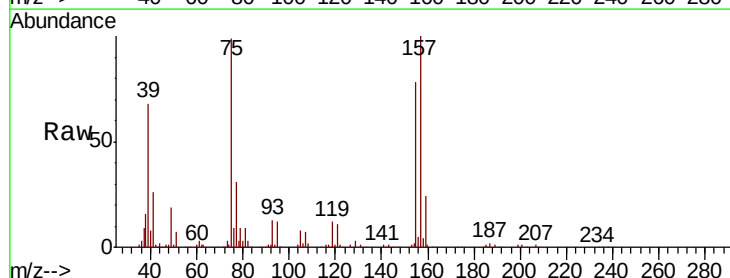
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

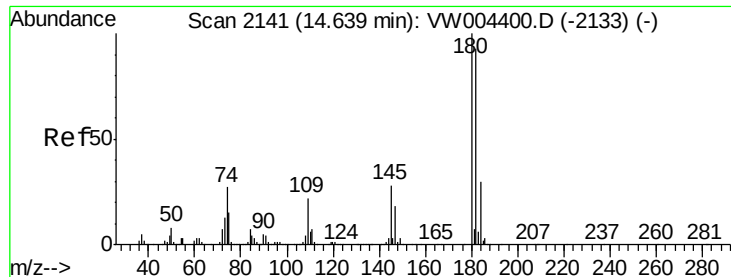
Tot Ion:146 Resp: 659086
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.4 50.2
 148 64.0 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.602 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

Tgt Ion: 75 Resp: 72325
 Ion Ratio Lower Upper
 75 100
 157 100.8 81.4 122.0
 155 78.3 63.0 94.6

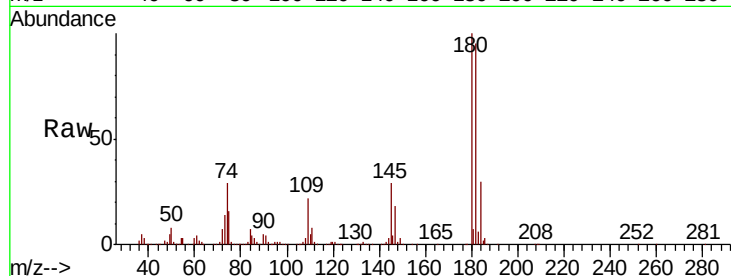




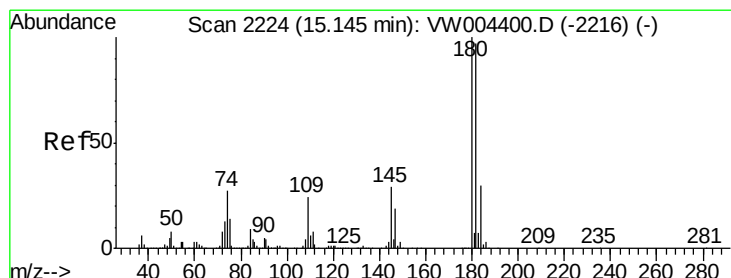
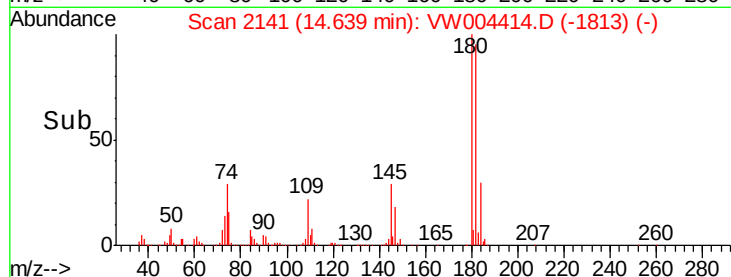
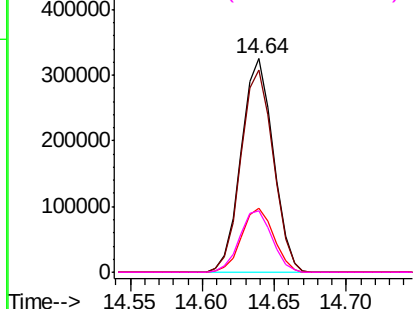
#67
 1,3,5-Trichlorobenzene
 Concen: 24.031 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02596

Tot Ion:180	Resp:	503205
Ion	Ratio	Lower Upper
180	100	
182	95.5	75.1 112.7
184	29.9	24.0 36.0
145	29.2	23.0 34.6

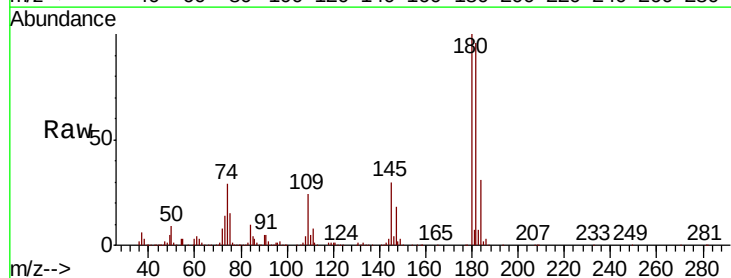


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

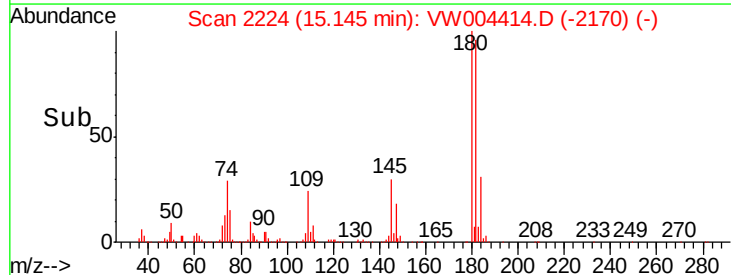
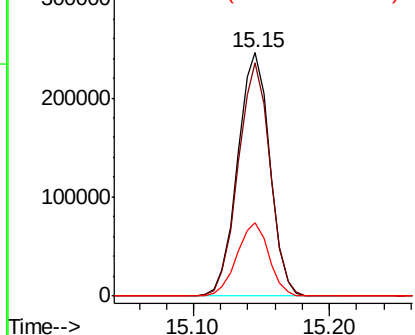


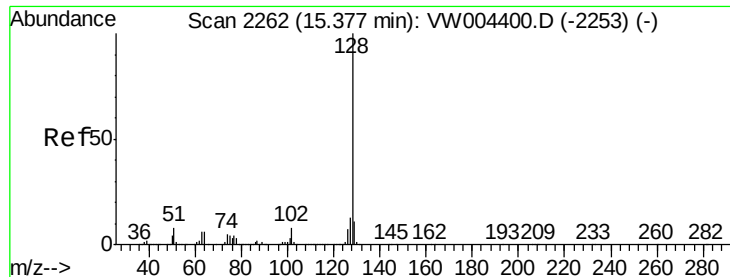
#68
 1,2,4-trichlorobenzene
 Concen: 23.899 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004414.D
 Acq: 02 Aug 2018 21:38

Tgt Ion:180	Resp:	404866
Ion	Ratio	Lower Upper
180	100	
182	95.2	76.9 115.3
145	30.0	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: 26.533 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Instrument :

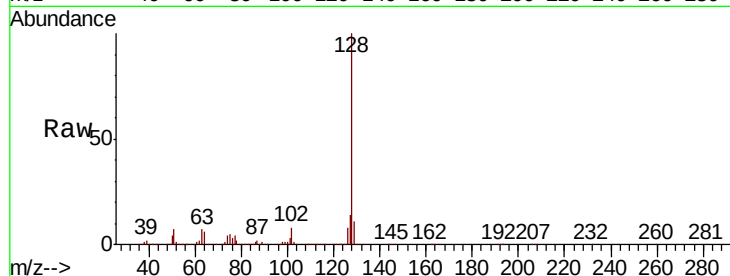
MSVOA_W

ClientSampleId :

VSTD02596

Tot Ion:128 Resp: 1025049

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	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

800000

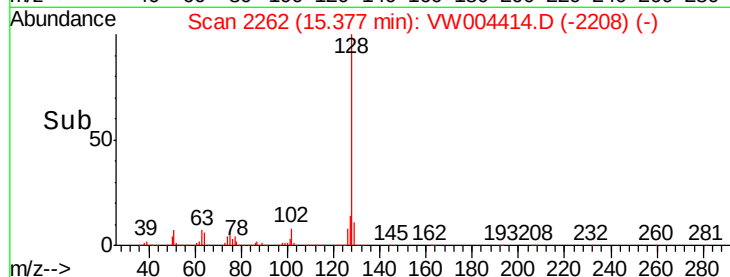
600000

400000

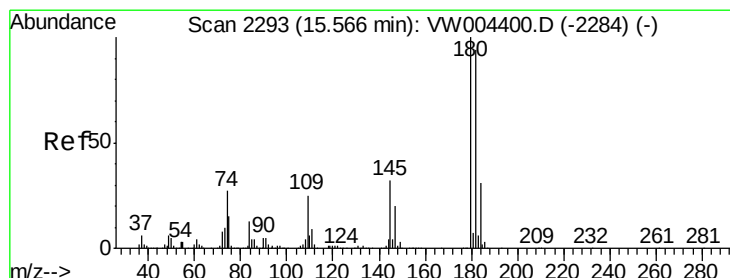
200000

0

15.38



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 25.260 ug/L

RT: 15.57 min Scan# 2293

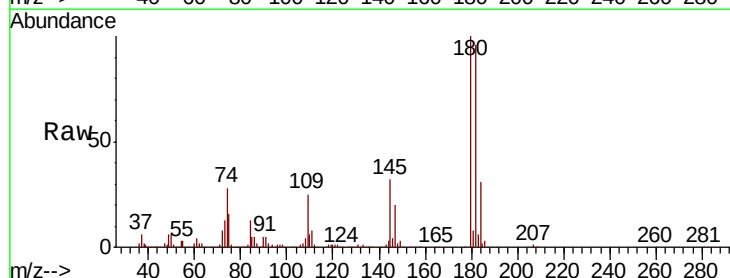
Delta R.T. -0.00 min

Lab File: VW004414.D

Acq: 02 Aug 2018 21:38

Tgt Ion:180 Resp: 416728

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
145	31.8	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

300000

250000

200000

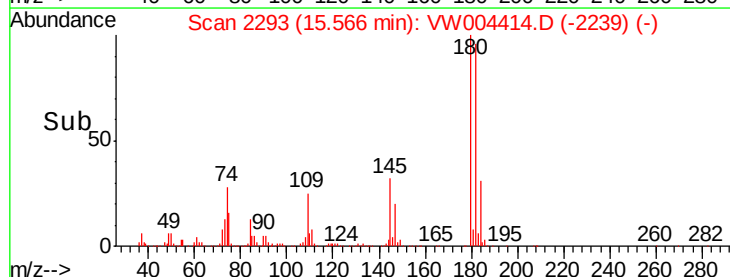
150000

100000

50000

0

15.57



Time-->