

Data File : VW009665.D
Acq On : 03 Apr 2019 17:07
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Quant Time: Apr 04 02:01:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:53:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	509118	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	481261	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	241937	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	155408	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
7) Chloroethane-d5	2.89	69	141549	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.02	63	334247	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.32%
20) 2-Butanone-d5	7.08	46	117714	54.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.84%
24) Chloroform-d	7.64	84	316983	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.30	65	194369	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.16%
29) Benzene-d6	8.27	84	602044	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	177079	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.76%
37) Toluene-d8	10.32	98	557901	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.52%
38) trans-1,3-Dichloropropene-	10.57	79	90382	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	10.93	63	88373	60.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	184751	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	205069	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	153960	22.957	ug/L	99
3) Chloromethane	2.21	50	167911	24.227	ug/L	99
5) Vinyl chloride	2.37	62	212646	23.919	ug/L	97
6) Bromomethane	2.78	94	138414	22.501	ug/L	98
8) Chloroethane	2.93	64	139033	23.828	ug/L	97
9) Trichlorofluoromethane	3.25	101	124597	22.847	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	152307	21.471	ug/L	98
12) 1,1-Dichloroethene	4.04	96	159063	23.523	ug/L	89
13) Acetone	4.12	43	135114	58.298	ug/L	100
14) Carbon disulfide	4.38	76	491084	23.364	ug/L	98
15) Methyl Acetate	4.67	43	101794	24.088	ug/L	99
16) Methylene chloride	4.92	84	184263	20.522	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	221701	23.800	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	160991	22.892	ug/L	99
19) 1,1-Dichloroethane	6.21	63	304819	22.586	ug/L	97
21) 2-Butanone	7.17	43	161844	54.906	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	173486	23.065	ug/L	98

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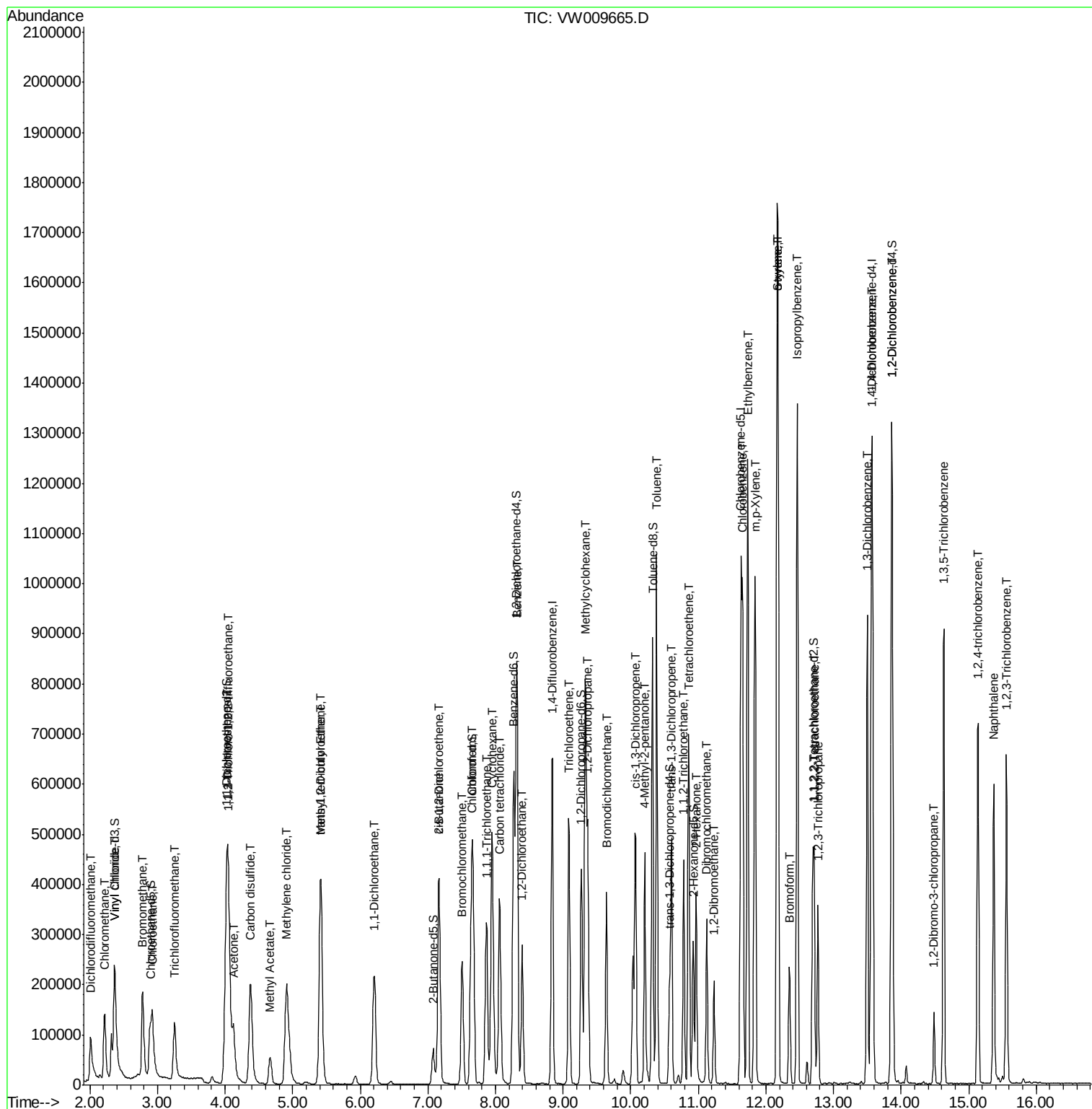
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	79250	22.966	ug/L	93
25) Chloroform	7.66	83	312021	22.072	ug/L	99
27) 1,2-Dichloroethane	8.40	62	241207	22.559	ug/L	99
30) Cyclohexane	7.95	56	282781	24.895	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	255479	23.401	ug/L	99
32) Carbon tetrachloride	8.06	117	259114	23.673	ug/L	100
34) Benzene	8.32	78	672779	23.235	ug/L	100
35) Trichloroethene	9.09	95	175995	23.225	ug/L	99
36) Methylcyclohexane	9.33	83	305848	24.550	ug/L	99
40) 1,2-Dichloropropane	9.37	63	165511	22.330	ug/L	99
41) Bromodichloromethane	9.64	83	232201	22.704	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	268468	23.380	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	302041	52.460	ug/L	100
44) Toluene	10.38	91	722021	23.539	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	238535	24.094	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	129568	23.289	ug/L	95
47) Tetrachloroethene	10.86	164	138450	23.198	ug/L	97
49) 2-Hexanone	10.97	43	243046	56.693	ug/L	99
50) Dibromochloromethane	11.13	129	159273	23.302	ug/L	98
51) 1,2-Dibromoethane	11.23	107	131611	23.603	ug/L	98
52) Chlorobenzene	11.66	112	451762	22.881	ug/L	99
53) Ethylbenzene	11.73	91	825573	23.628	ug/L	99
54) m,p-Xylene	11.84	106	308582	23.878	ug/L	99
55) o-xylene	12.16	106	293215	23.822	ug/L	100
56) Styrene	12.18	104	513526	24.045	ug/L	99
57) Isopropylbenzene	12.46	105	818008	24.271	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	180457	24.122	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	138595	24.887	ug/L	100
62) Bromoform	12.35	173	98103	23.062	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	342348	22.875	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	363577	22.781	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	332498	23.222	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	34439	24.710	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	260401	23.450	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	214175	24.016	ug/L	98
69) Naphthalene	15.37	128	471625	26.313	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	204619	24.528	ug/L	99

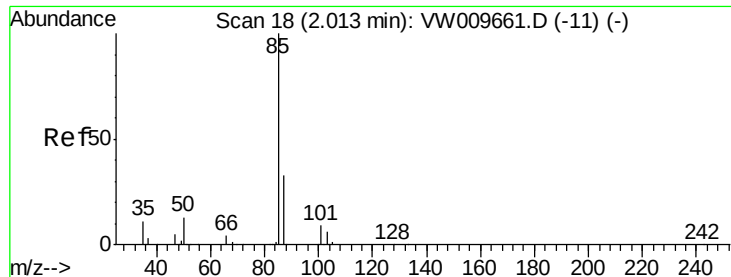
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.957 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

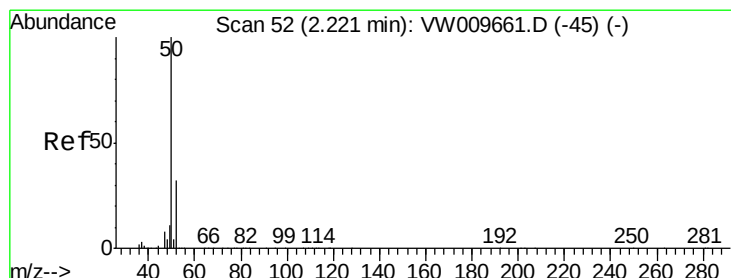
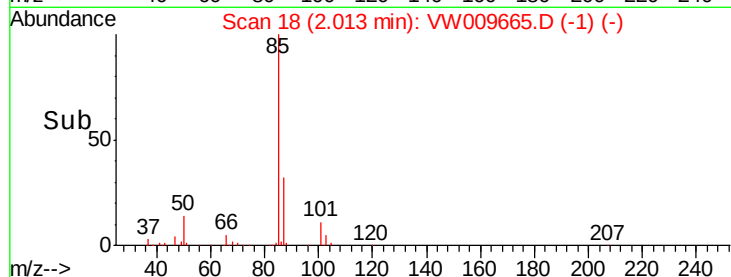
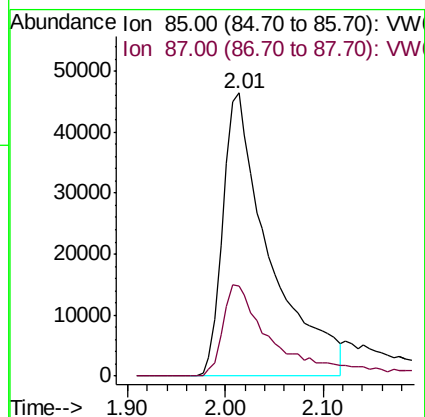
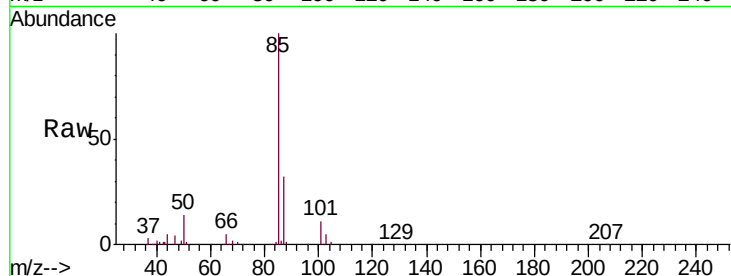
VSTD02510

Tgt Ion: 85 Resp: 153960

Ion Ratio Lower Upper

85 100

87 26.5 18.1 33.5



#3

Chloromethane

Concen: 24.227 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW009665.D

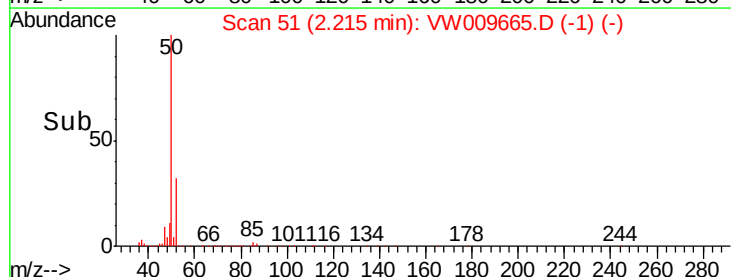
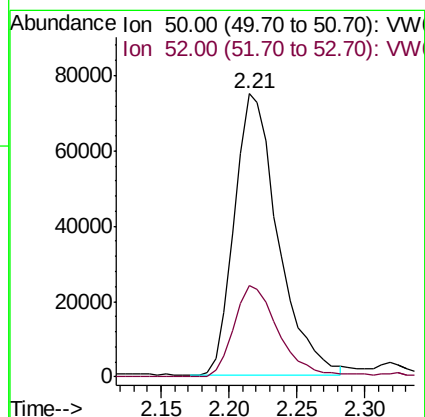
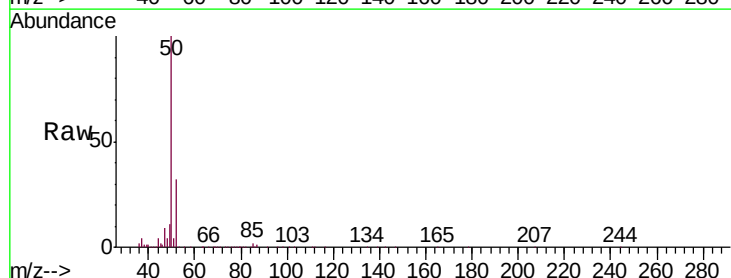
Acq: 03 Apr 2019 17:07

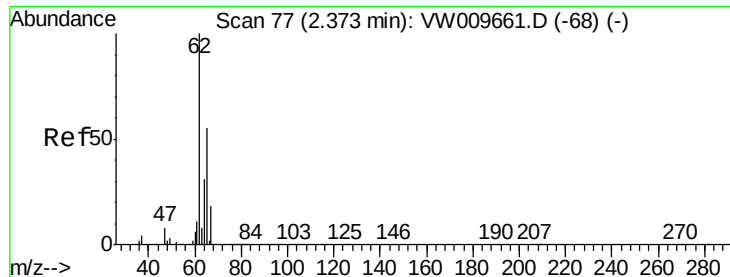
Tgt Ion: 50 Resp: 167911

Ion Ratio Lower Upper

50 100

52 32.3 22.3 41.3





#5

Vinyl chloride

Concen: 23.919 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

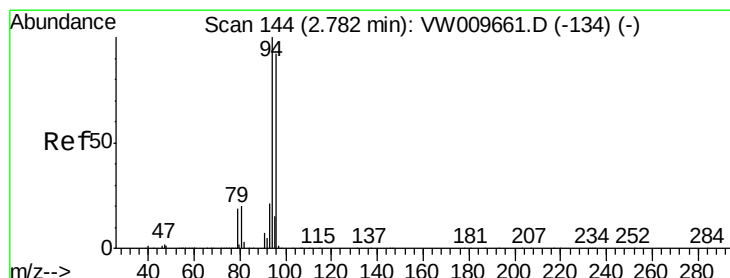
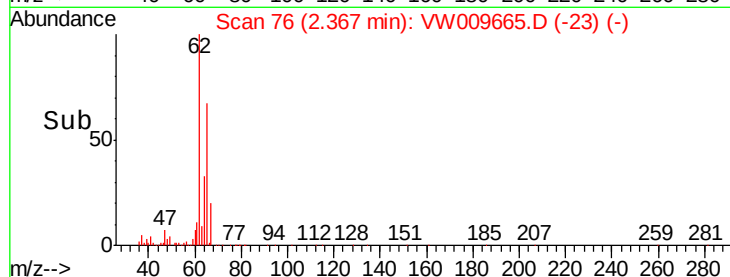
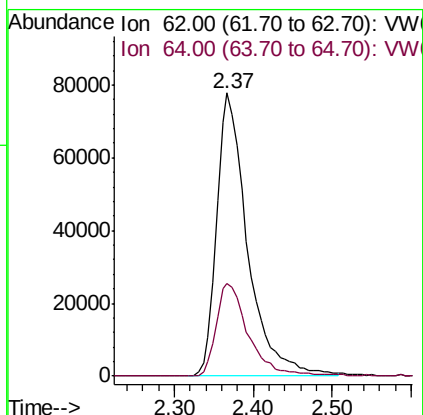
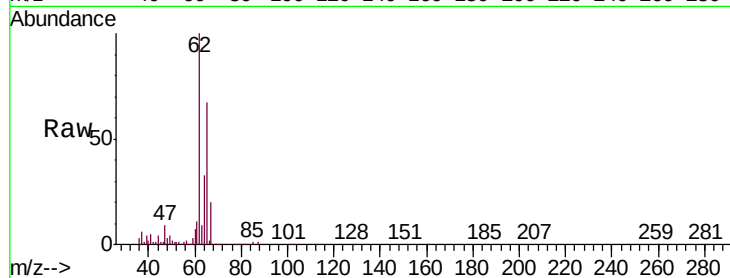
VSTD02510

Tgt Ion: 62 Resp: 212646

Ion Ratio Lower Upper

62 100

64 32.6 21.8 40.6



#6

Bromomethane

Concen: 22.501 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW009665.D

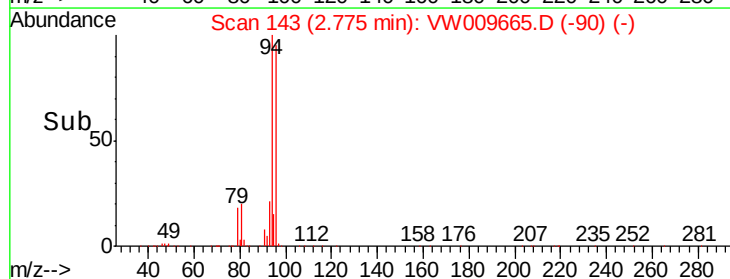
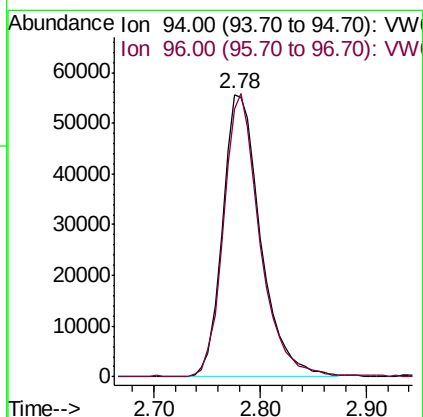
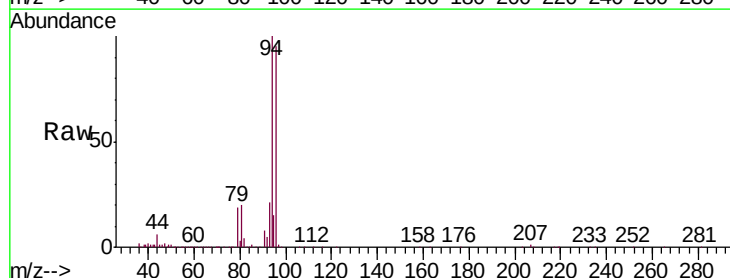
Acq: 03 Apr 2019 17:07

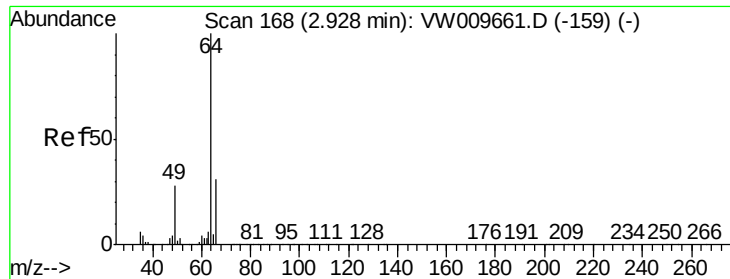
Tgt Ion: 94 Resp: 138414

Ion Ratio Lower Upper

94 100

96 95.2 9.3 177.3





#8

Chloroethane

Concen: 23.828 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

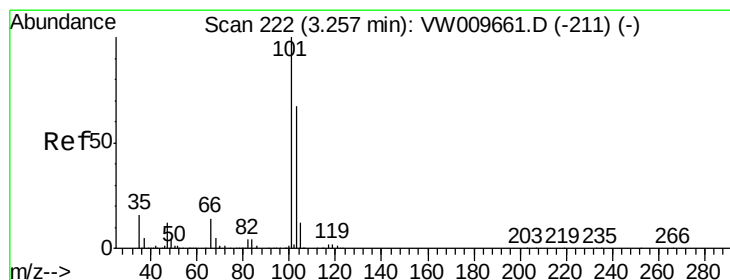
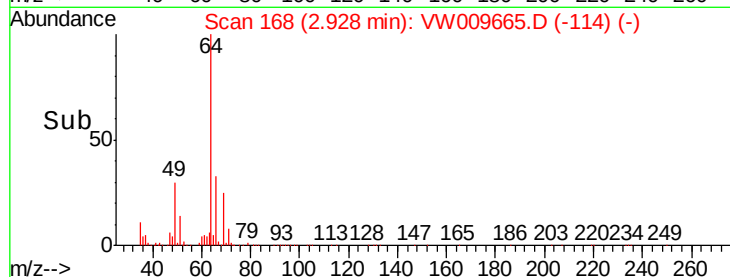
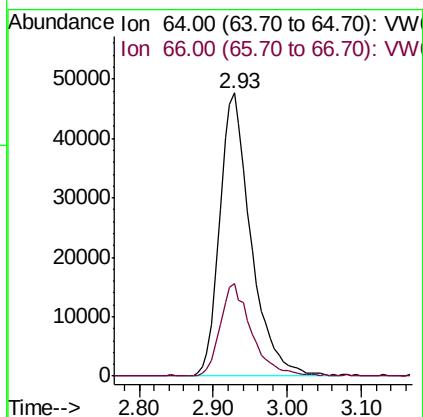
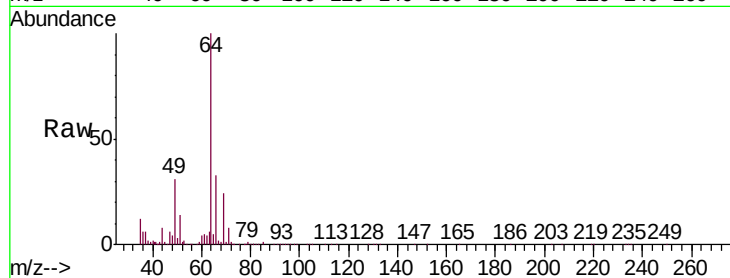
VSTD02510

Tgt Ion: 64 Resp: 139033

Ion Ratio Lower Upper

64 100

66 32.6 21.6 40.2



#9

Trichlorofluoromethane

Concen: 22.847 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW009665.D

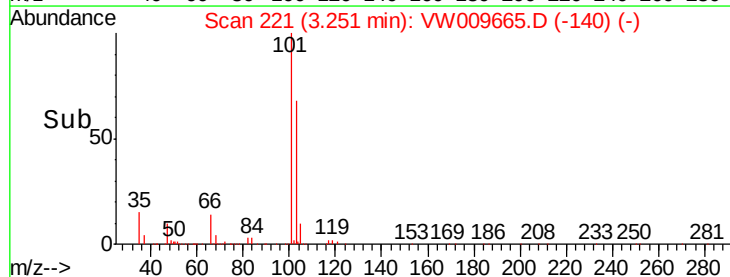
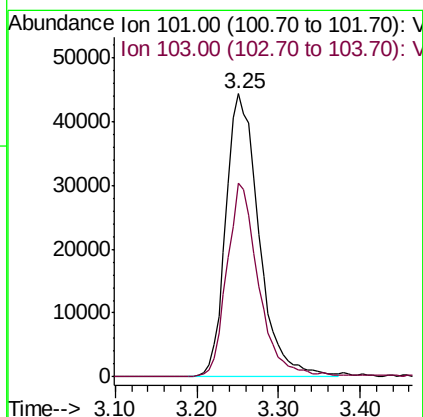
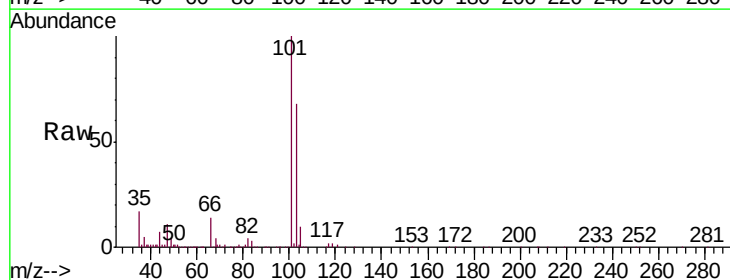
Acq: 03 Apr 2019 17:07

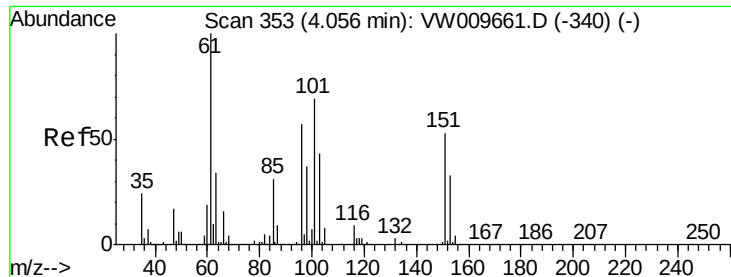
Tgt Ion: 101 Resp: 124597

Ion Ratio Lower Upper

101 100

103 64.7 45.1 83.7





#11

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

Concen: 21.471 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

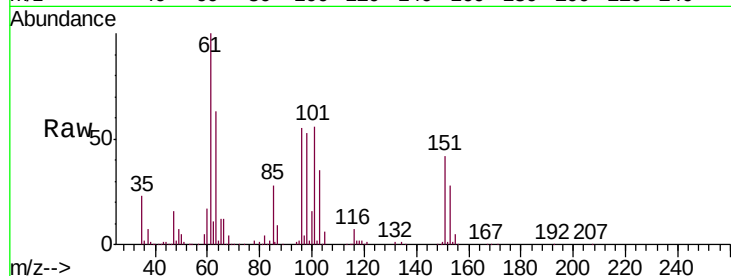
Tgt Ion:101 Resp: 152307

Ion Ratio Lower Upper

101 100

85 49.3 37.8 56.6

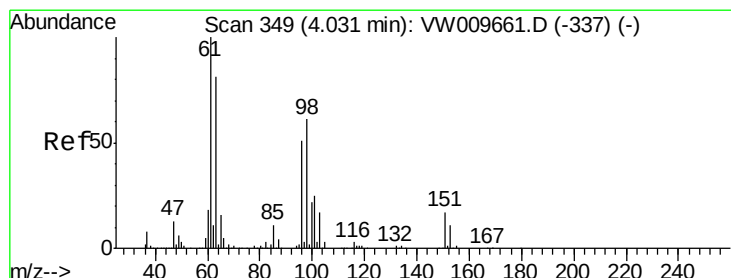
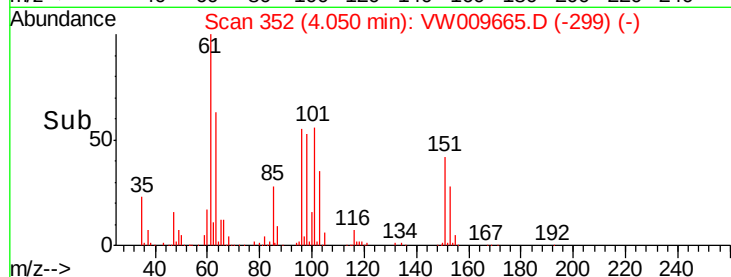
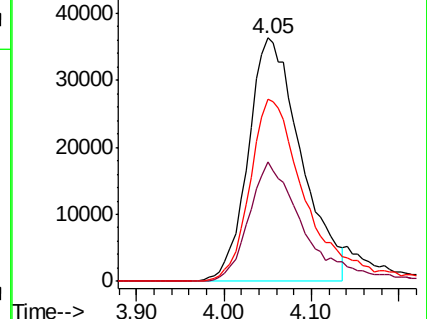
151 77.1 60.6 91.0



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: 23.523 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

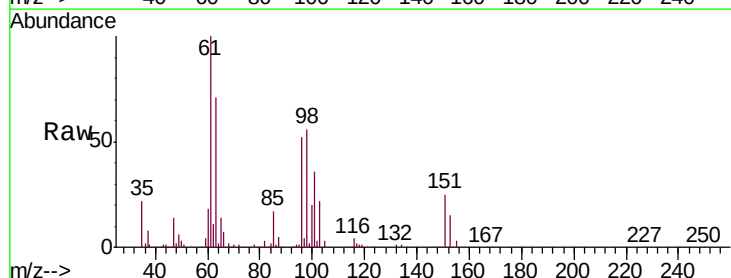
Tgt Ion: 96 Resp: 159063

Ion Ratio Lower Upper

96 100

61 192.1 138.8 257.8

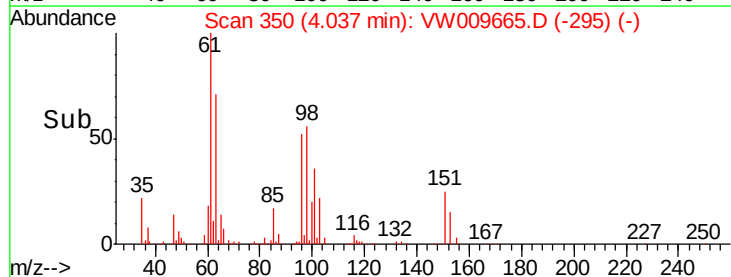
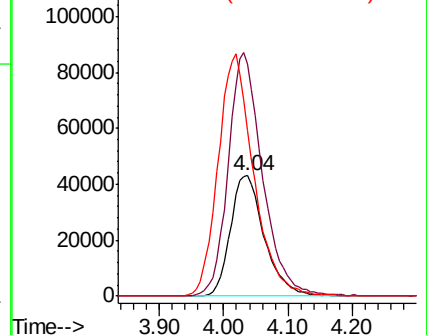
63 137.0 114.6 212.8

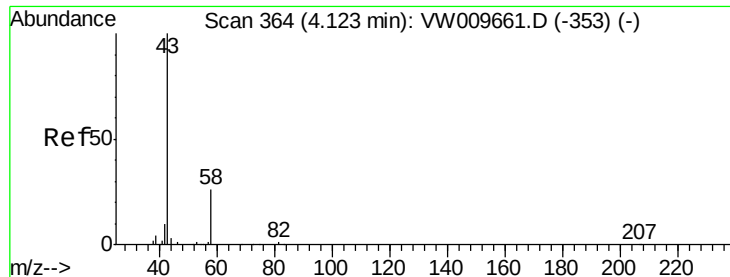


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.298 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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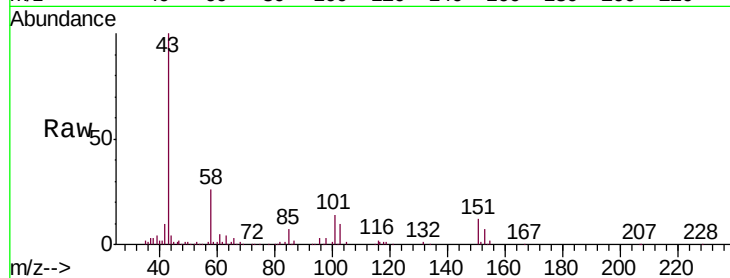
VSTD02510

Tgt Ion: 43 Resp: 135114

Ion Ratio Lower Upper

43 100

58 26.2 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

50000

40000

30000

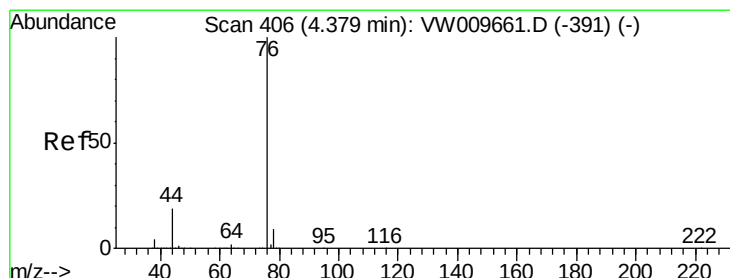
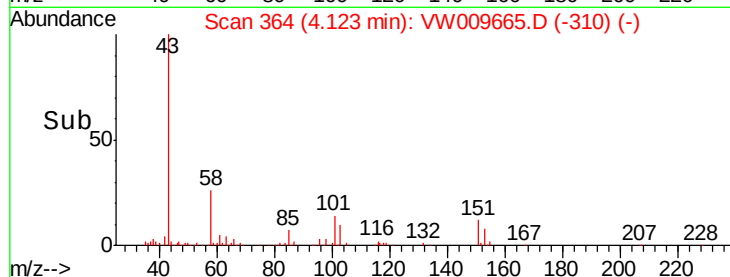
20000

10000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 23.364 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009665.D

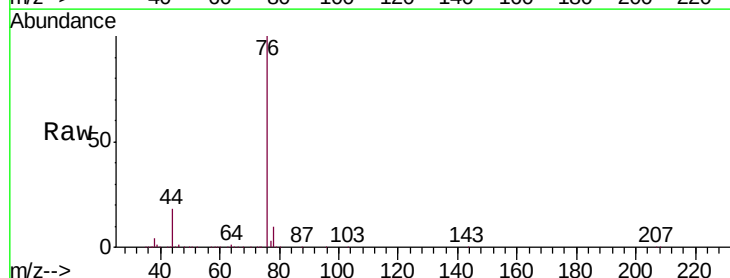
Acq: 03 Apr 2019 17:07

Tgt Ion: 76 Resp: 491084

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

150000

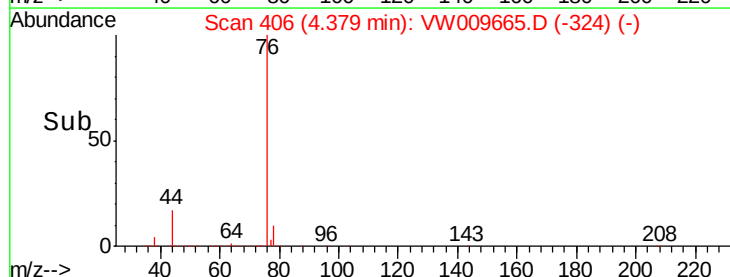
100000

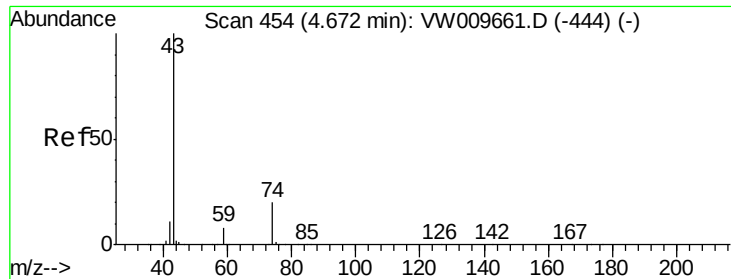
50000

0

Time-->

4.20 4.30 4.40 4.50





#15

Methyl Acetate

Concen: 24.088 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

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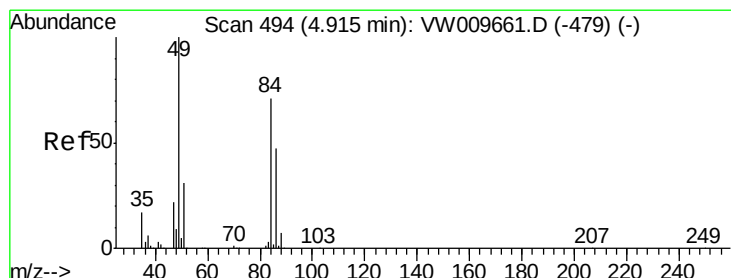
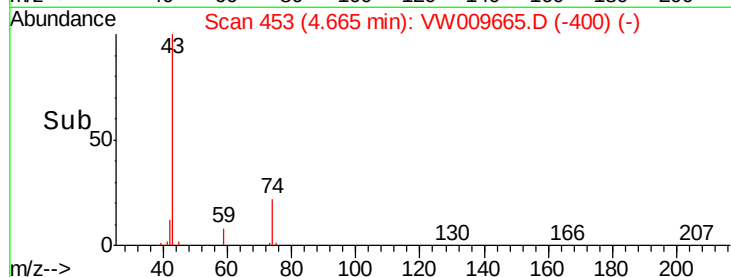
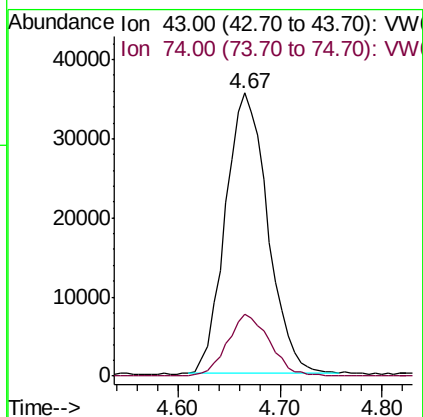
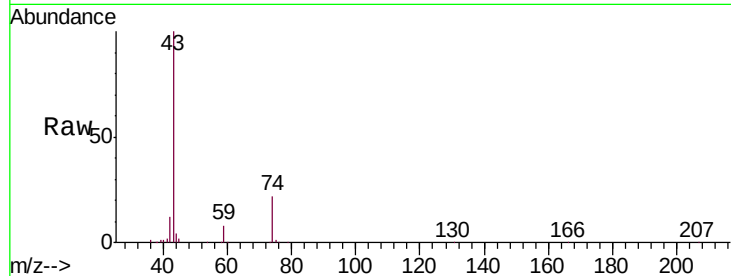
VSTD02510

Tgt Ion: 43 Resp: 101794

Ion Ratio Lower Upper

43 100

74 22.1 17.2 25.8



#16

Methylene chloride

Concen: 20.522 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

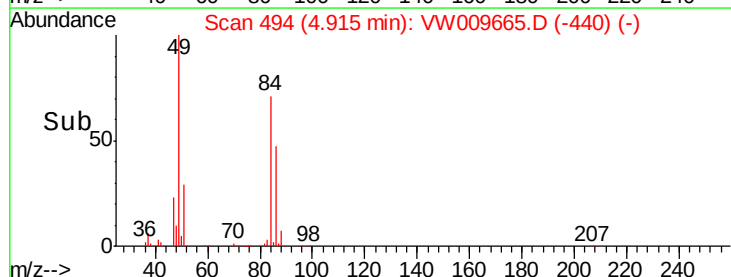
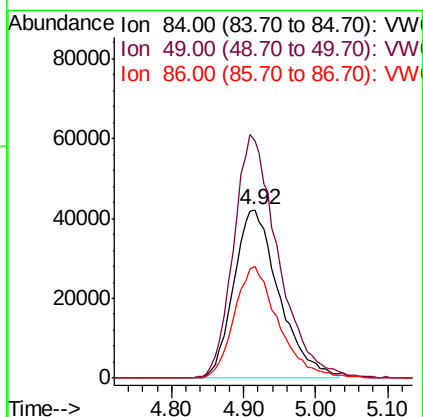
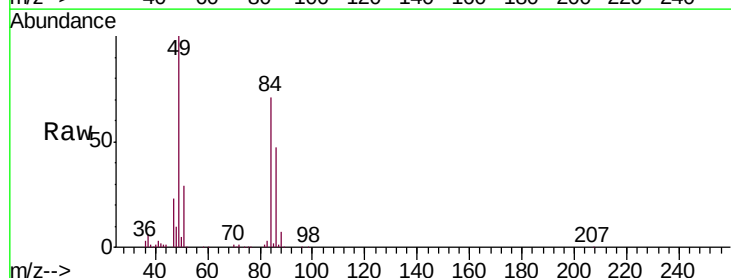
Tgt Ion: 84 Resp: 184263

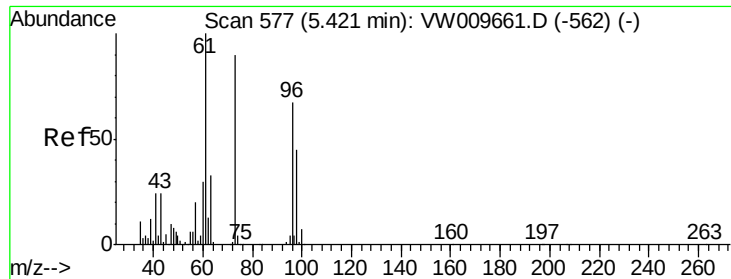
Ion Ratio Lower Upper

84 100

49 140.8 98.3 182.5

86 66.3 46.4 86.2

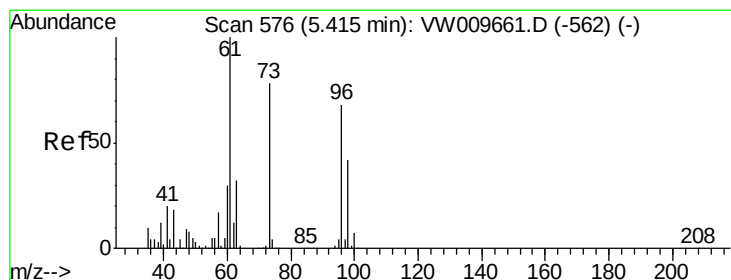
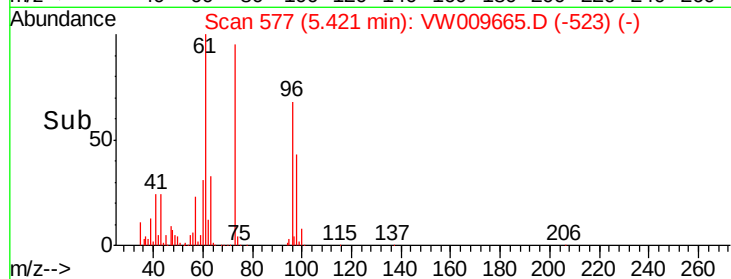
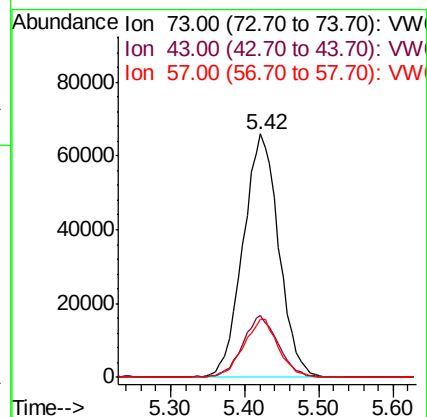
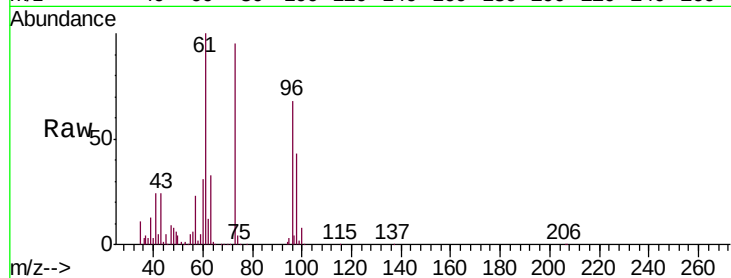




#17
Methyl tert-butyl Ether
Concen: 23.800 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW009665.D
Acq: 03 Apr 2019 17:07

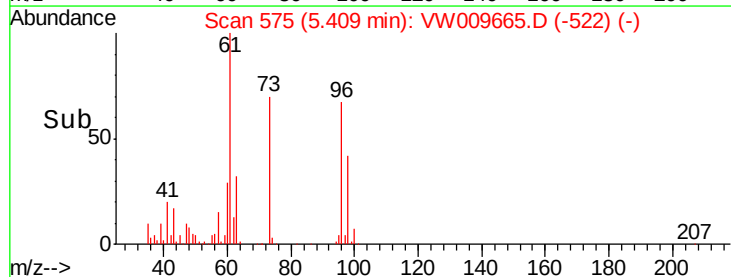
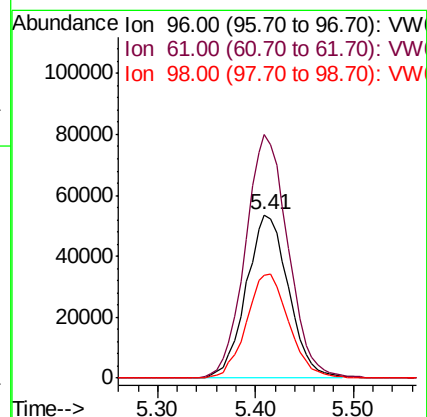
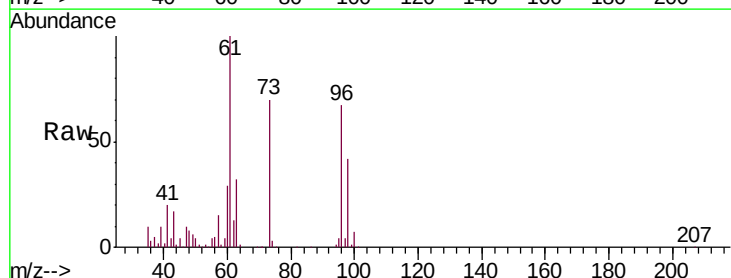
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

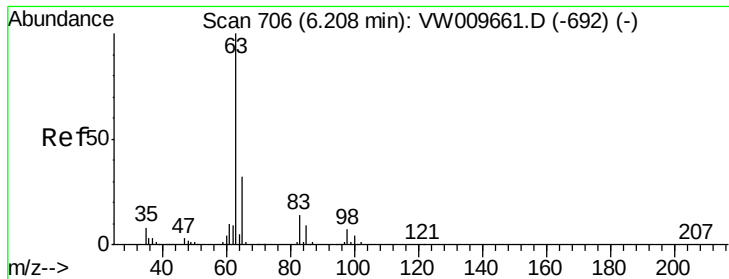
Tgt Ion: 73 Resp: 221701
Ion Ratio Lower Upper
73 100
43 25.0 20.2 30.2
57 23.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 22.892 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009665.D
Acq: 03 Apr 2019 17:07

Tgt Ion: 96 Resp: 160991
Ion Ratio Lower Upper
96 100
61 149.1 103.7 192.5
98 63.2 43.7 81.1

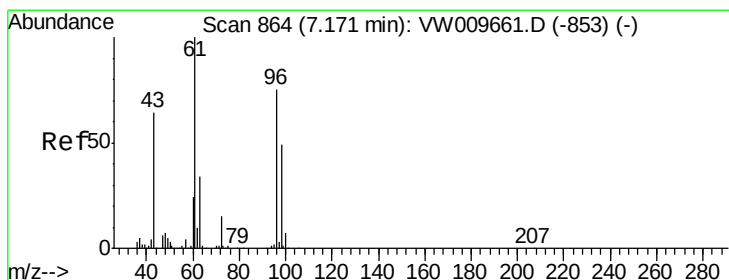
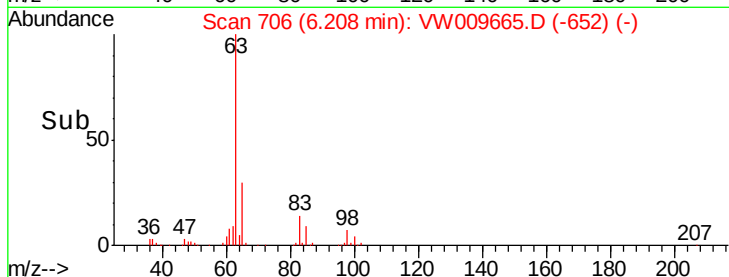
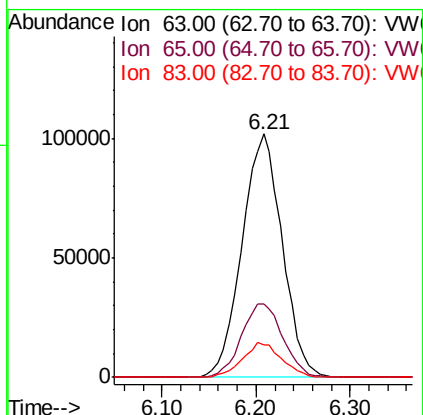
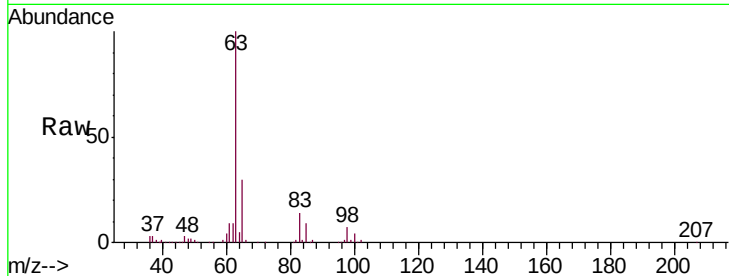




#19
 1,1-Dichloroethane
 Concen: 22.586 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

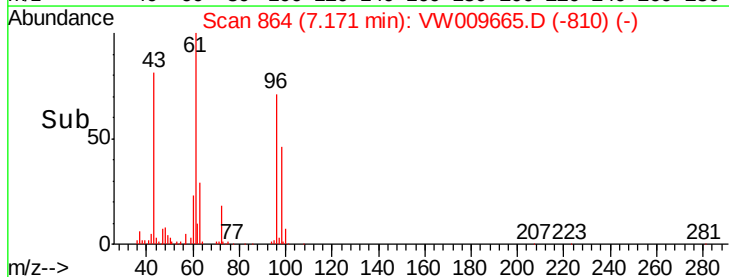
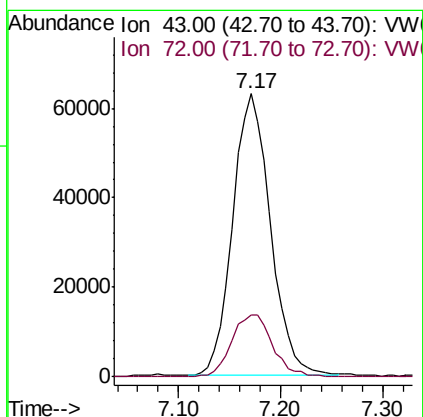
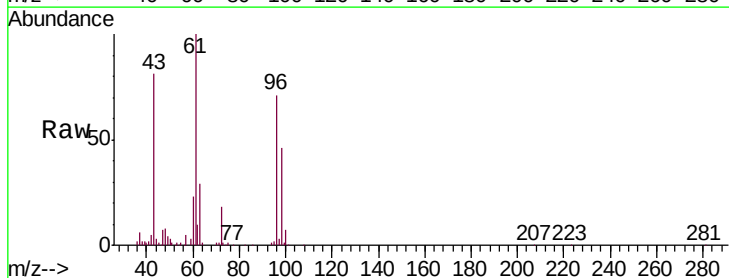
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

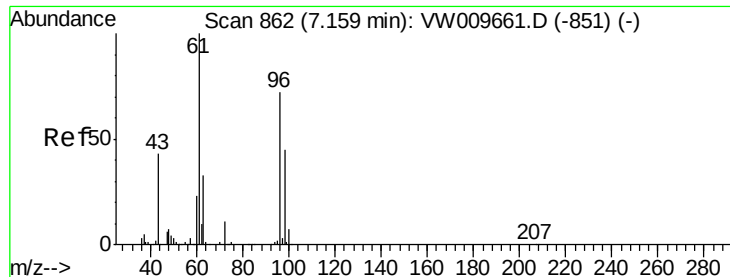
Tgt Ion: 63 Resp: 304819
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.6 42.0
 83 13.5 9.8 18.2



#21
 2-Butanone
 Concen: 54.906 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion: 43 Resp: 161844
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.0 36.1



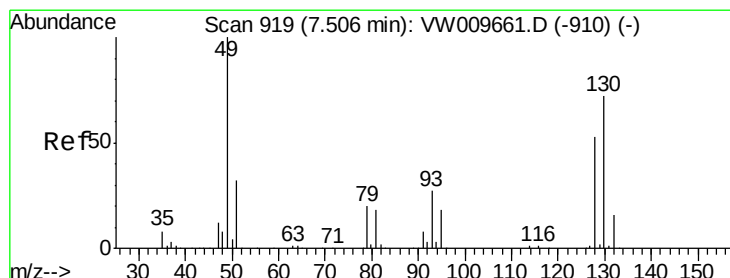
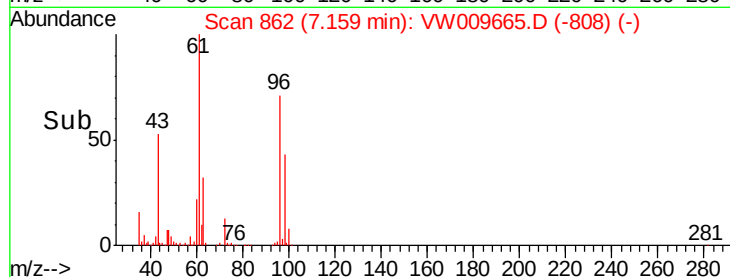
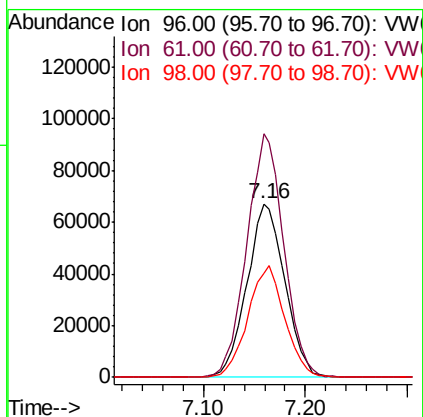
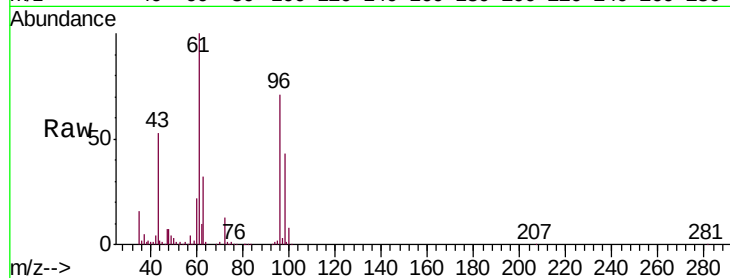


#22

cis-1,2-Dichloroethene
 Concen: 23.065 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

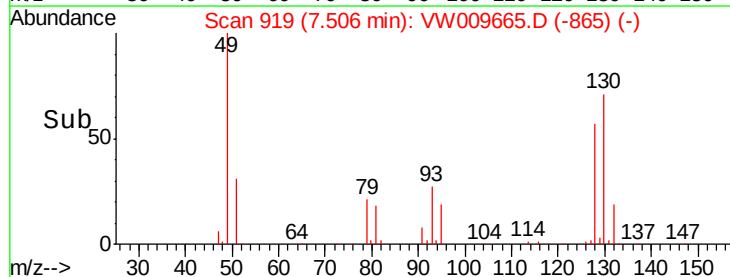
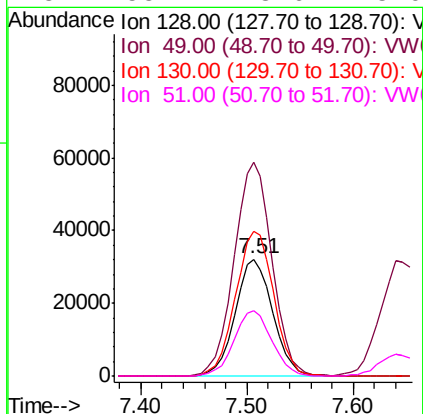
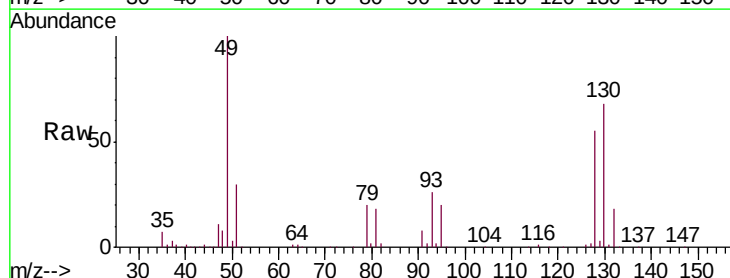
Tgt Ion: 96 Resp: 173486
 Ion Ratio Lower Upper
 96 100
 61 140.1 96.8 179.8
 98 60.1 43.5 80.9

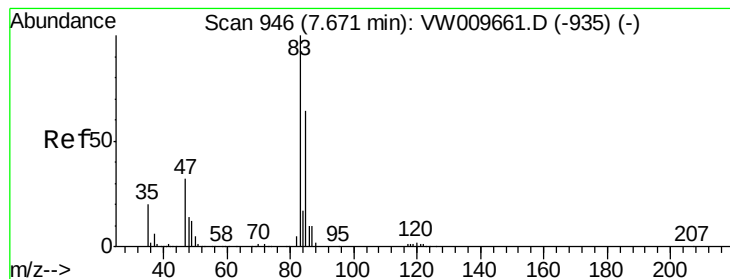


#23

Bromochloromethane
 Concen: 22.966 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion: 128 Resp: 79250
 Ion Ratio Lower Upper
 128 100
 49 182.7 132.6 246.2
 130 124.2 95.5 177.4
 51 55.7 48.6 73.0





#25

Chloroform

Concen: 22.072 ug/L

RT: 7.66 min Scan# 945

Delta R.T. -0.01 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

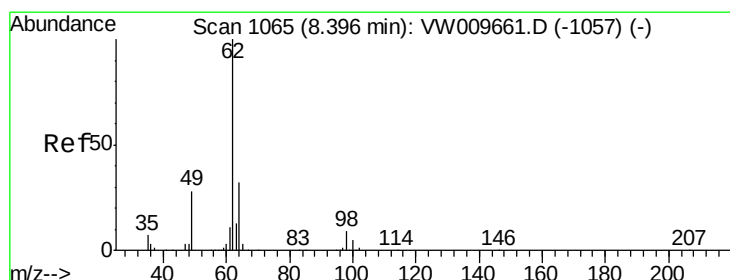
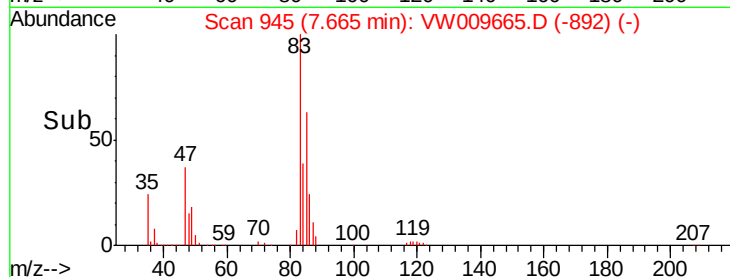
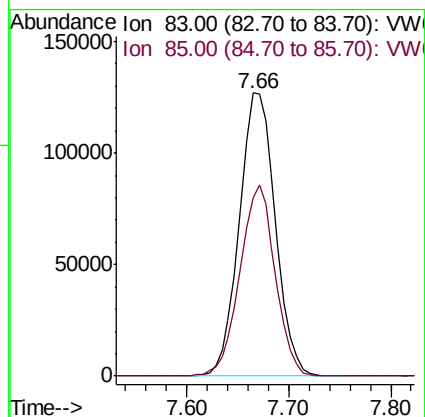
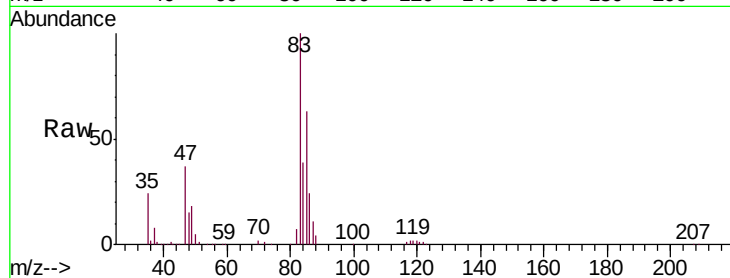
VSTD02510

Tgt Ion: 83 Resp: 312021

Ion Ratio Lower Upper

83 100

85 66.0 45.6 84.8



#27

1,2-Dichloroethane

Concen: 22.559 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW009665.D

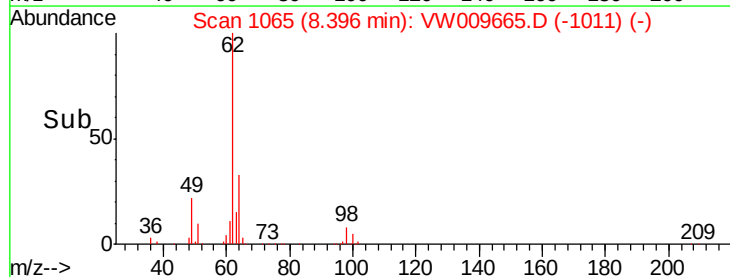
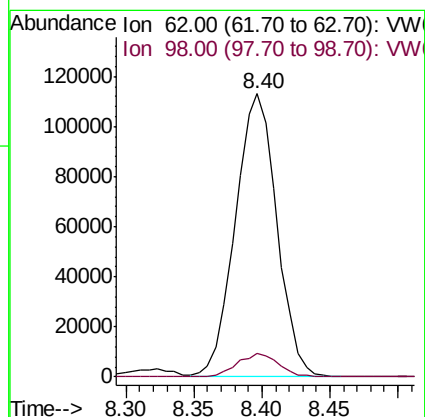
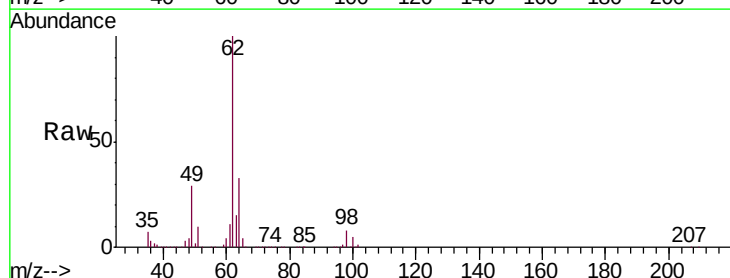
Acq: 03 Apr 2019 17:07

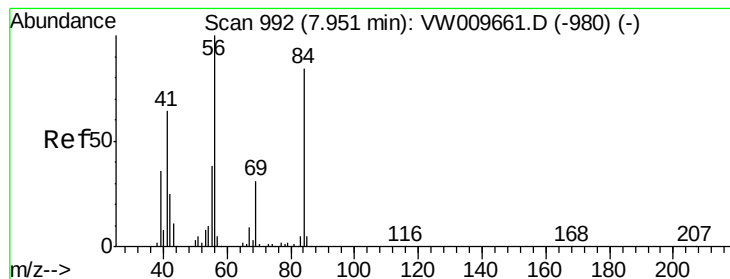
Tgt Ion: 62 Resp: 241207

Ion Ratio Lower Upper

62 100

98 8.2 7.0 10.4





#30

Cyclohexane

Concen: 24.895 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

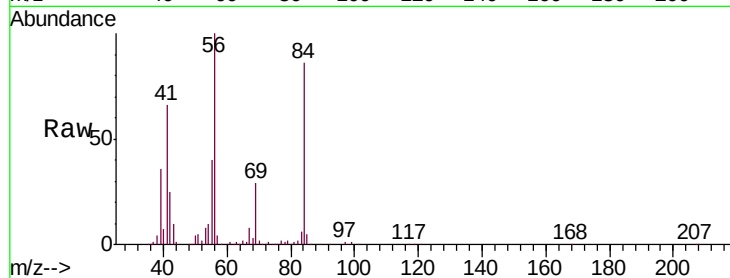
Tgt Ion: 56 Resp: 282781

Ion Ratio Lower Upper

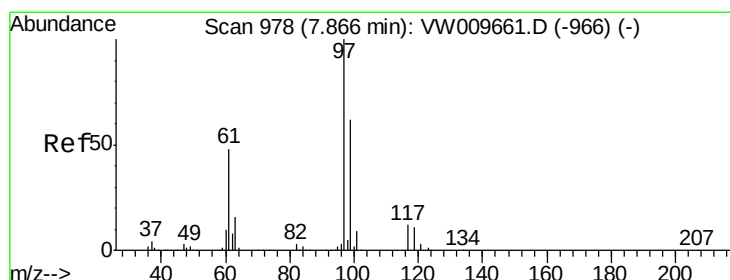
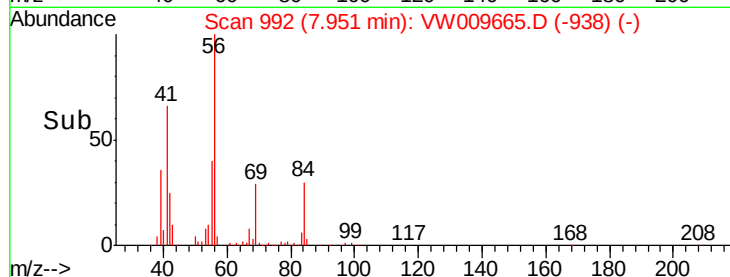
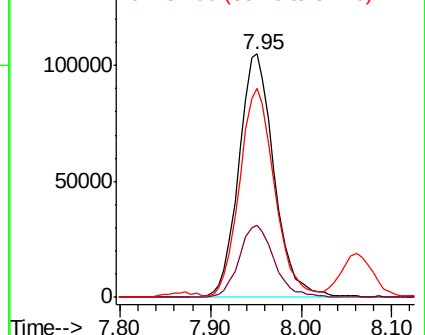
56 100

69 29.3 23.4 35.2

84 85.3 67.7 101.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 23.401 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

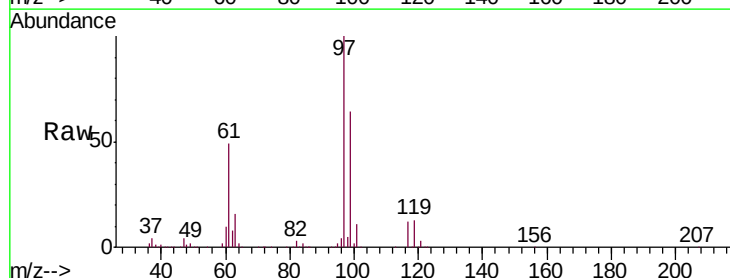
Tgt Ion: 97 Resp: 255479

Ion Ratio Lower Upper

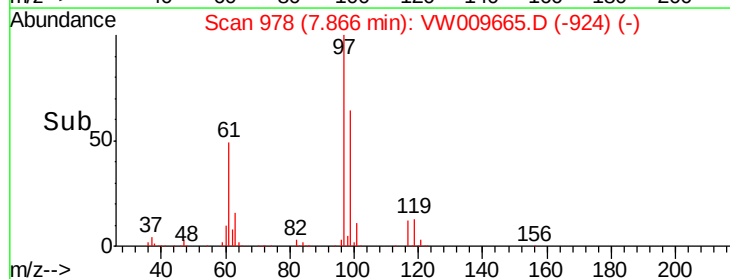
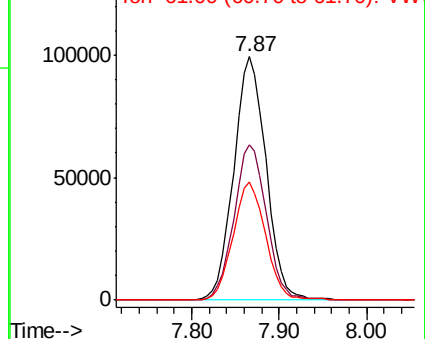
97 100

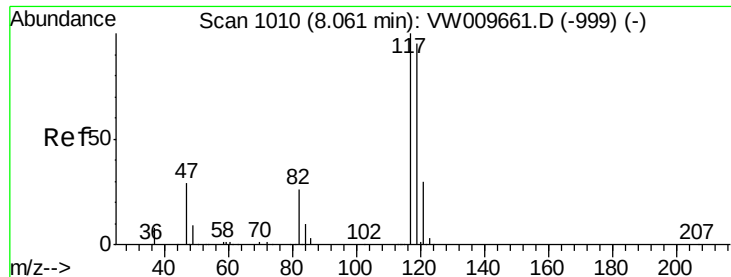
99 63.9 50.8 76.2

61 48.6 38.6 57.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.673 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

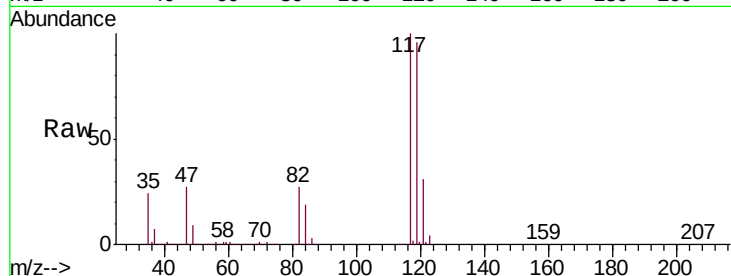
VSTD02510

Tgt Ion:117 Resp: 259114

Ion Ratio Lower Upper

117 100

119 94.8 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

120000

100000

80000

60000

40000

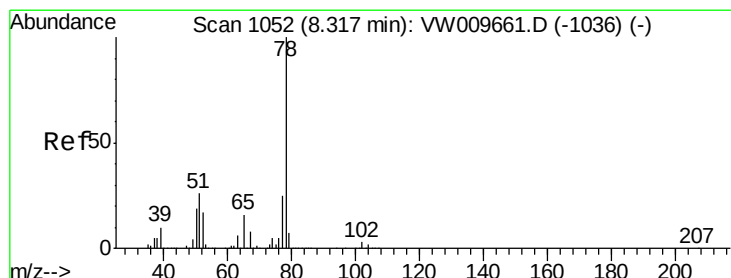
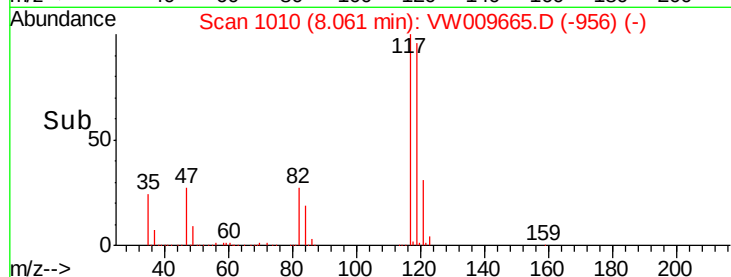
20000

0

8.06

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 23.235 ug/L

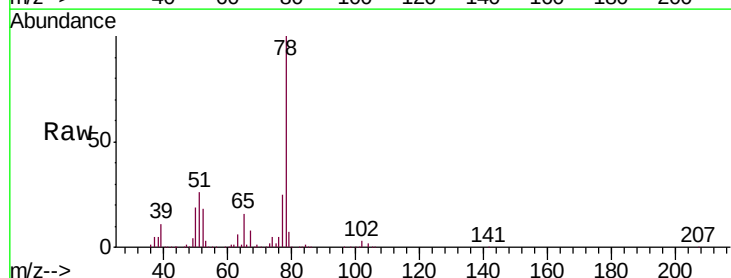
RT: 8.32 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Tgt Ion: 78 Resp: 672779



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

200000

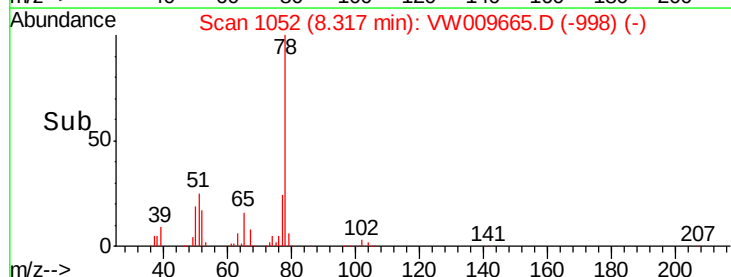
100000

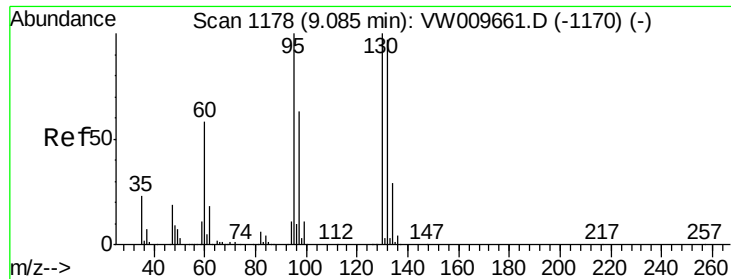
0

8.32

8.20 8.30 8.40

Time-->

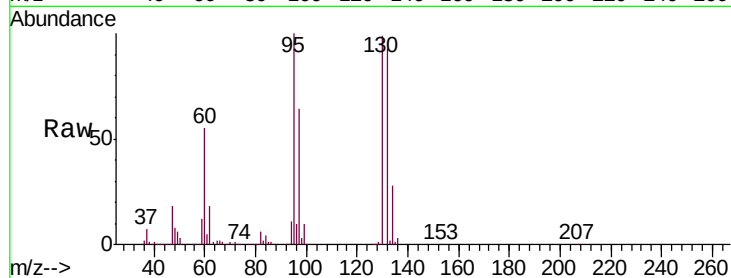




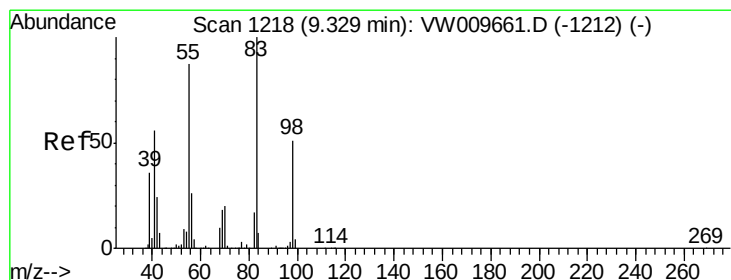
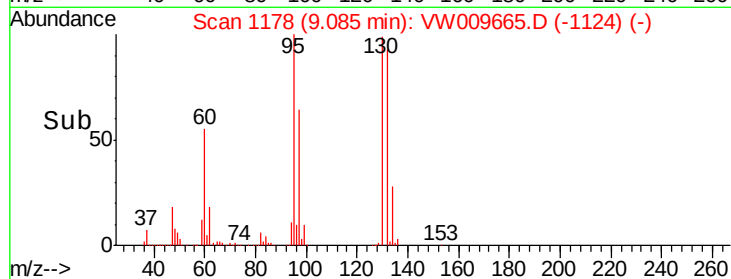
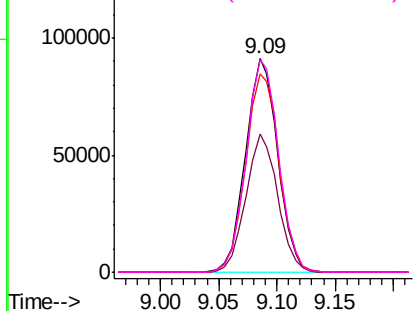
#35
 Trichloroethene
 Concen: 23.225 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

Tgt Ion:	95	Resp:	175995
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.9	83.5
132	96.3	67.1	124.7
130	100.1	69.2	128.6

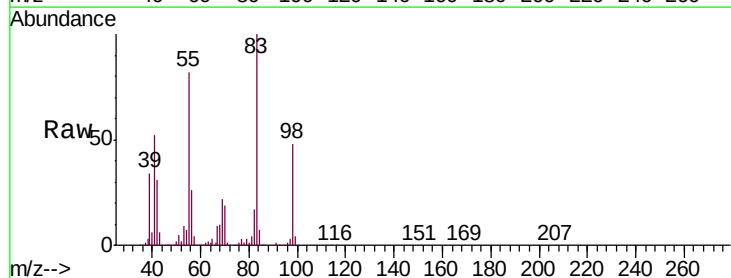


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

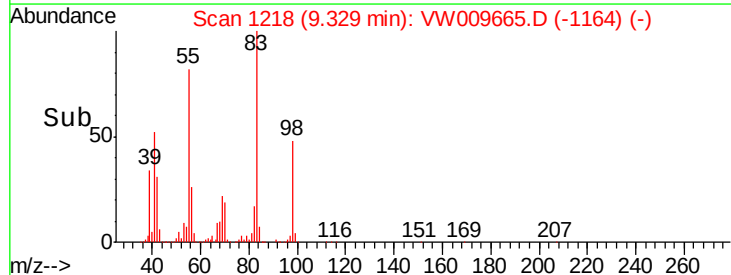
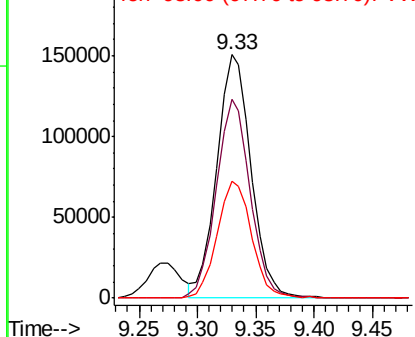


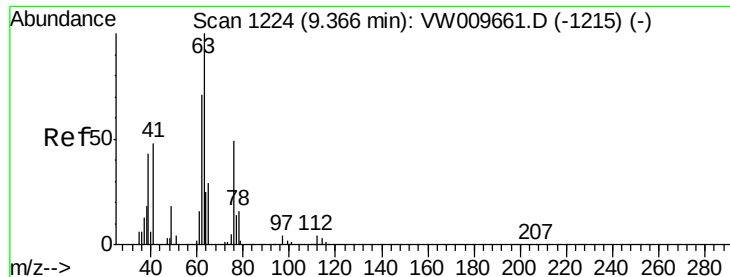
#36
 Methylcyclohexane
 Concen: 24.550 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion:	83	Resp:	305848
Ion	Ratio	Lower	Upper
83	100		
55	81.3	66.3	99.5
98	48.6	39.4	59.0



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

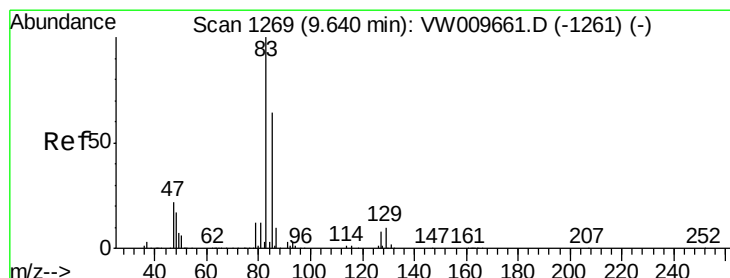
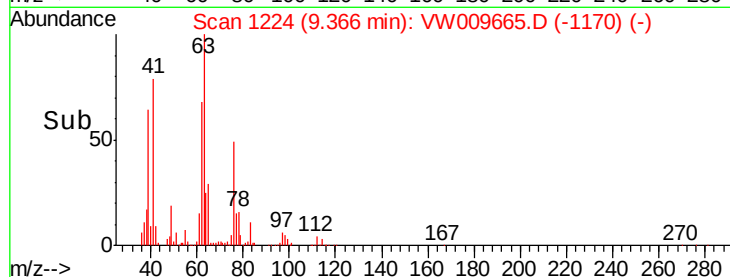
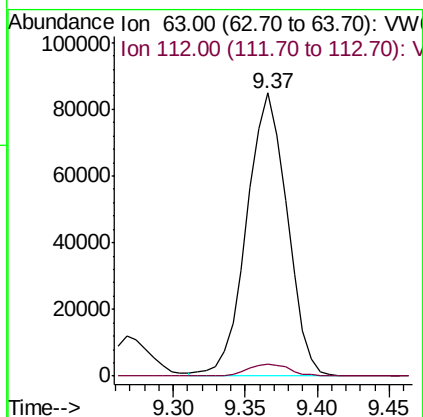
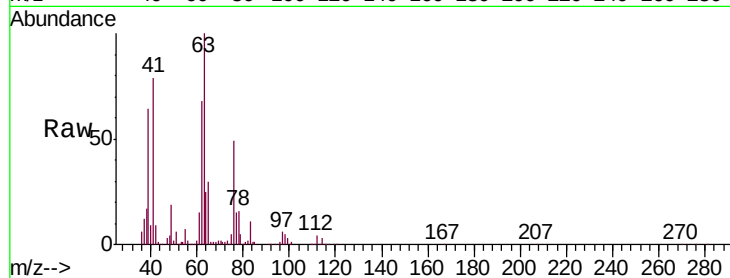




#40
 1,2-Dichloropropane
 Concen: 22.330 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

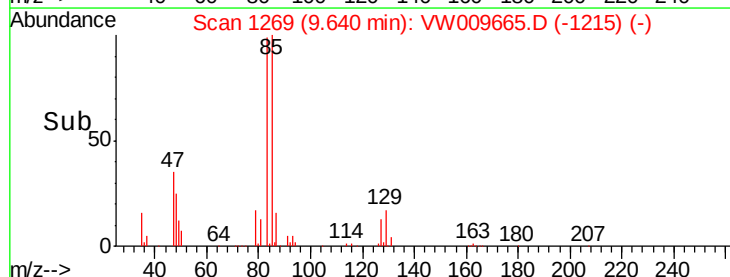
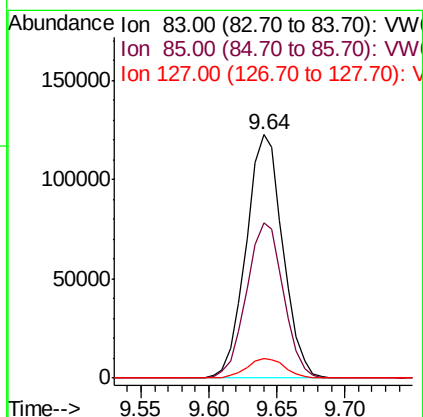
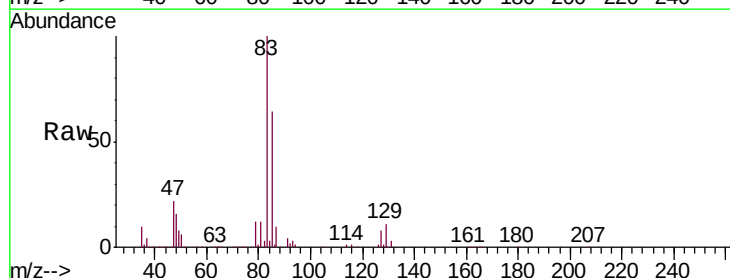
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

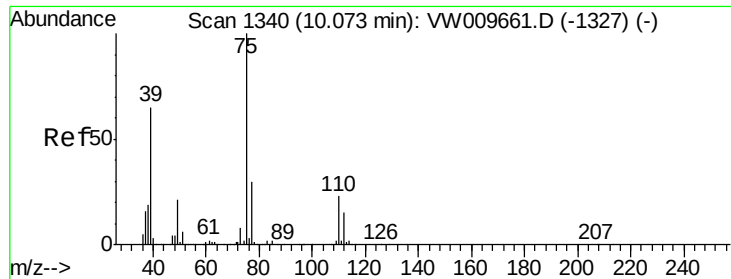
Tgt Ion: 63 Resp: 165511
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#41
 Bromodichloromethane
 Concen: 22.704 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion: 83 Resp: 232201
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.0 83.6
 127 8.2 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 23.380 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

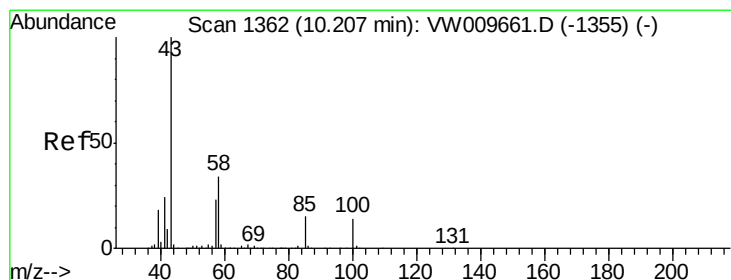
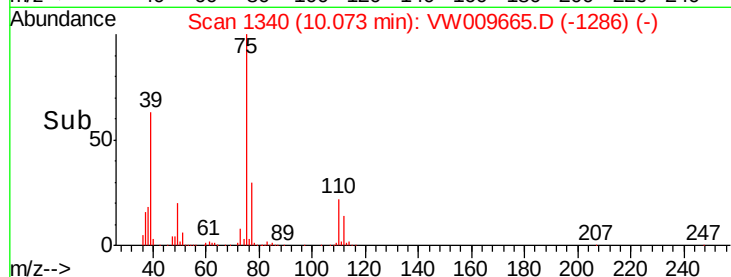
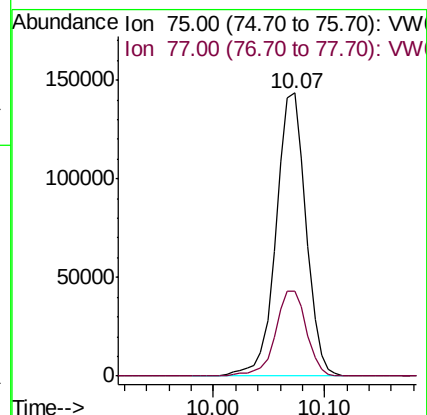
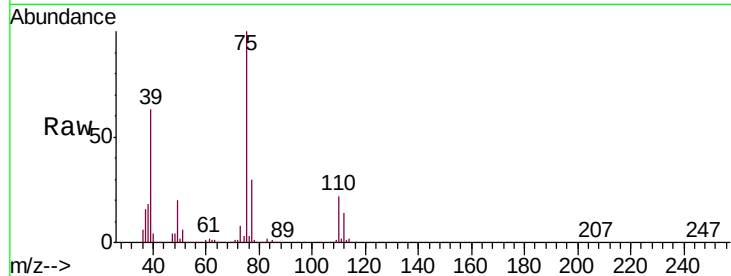
VSTD02510

Tgt Ion: 75 Resp: 268468

Ion Ratio Lower Upper

75 100

77 30.0 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 52.460 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

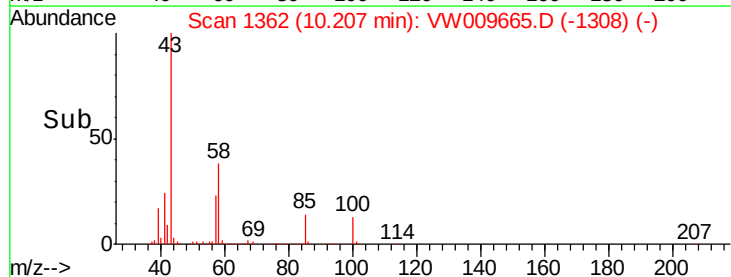
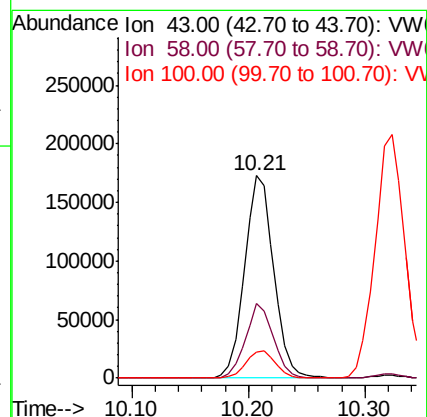
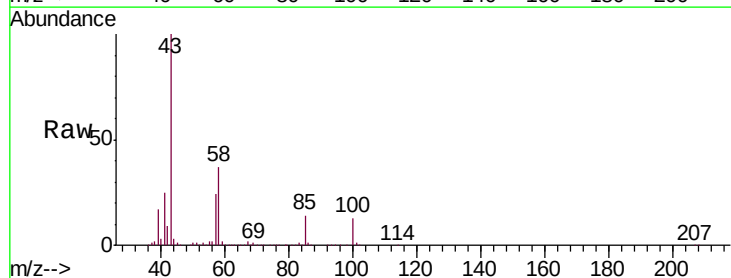
Tgt Ion: 43 Resp: 302041

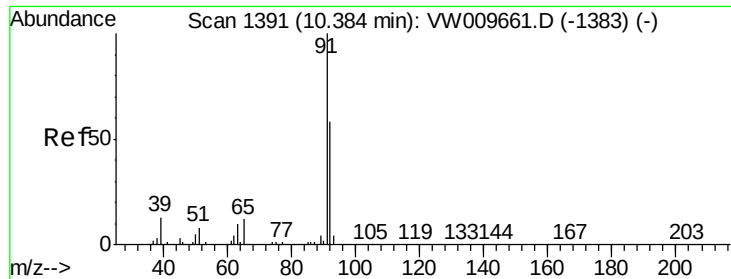
Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.4

100 13.6 10.9 16.3





#44

Toluene

Concen: 23.539 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

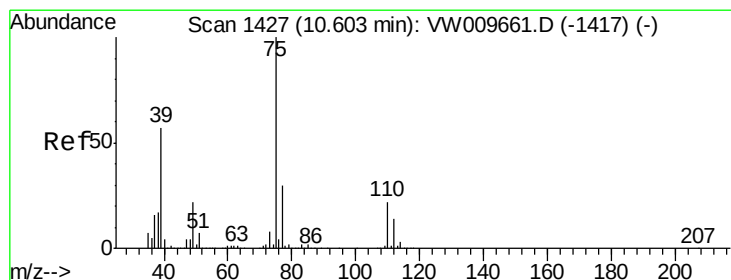
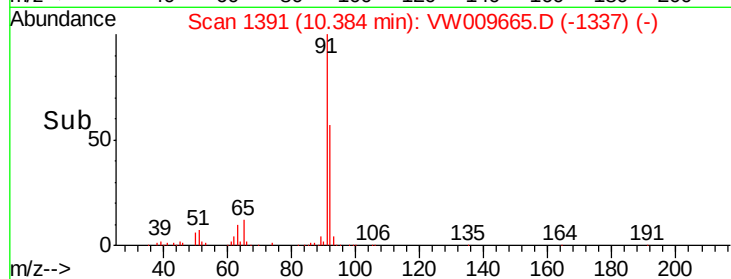
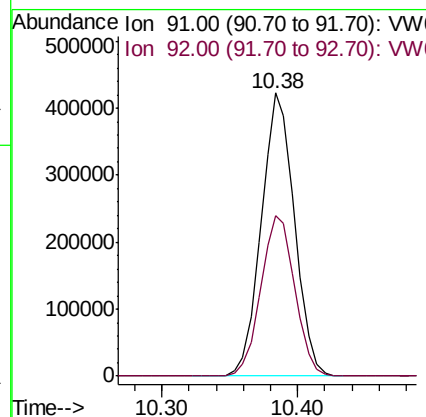
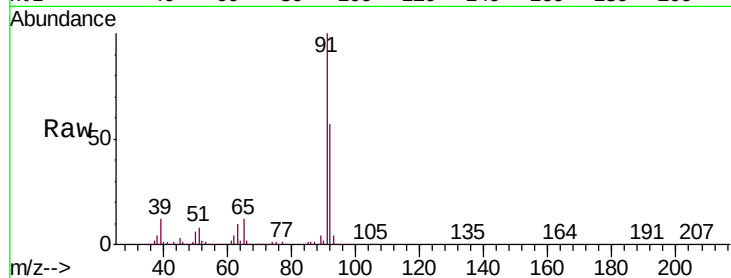
VSTD02510

Tgt Ion: 91 Resp: 722021

Ion Ratio Lower Upper

91 100

92 56.6 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 24.094 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009665.D

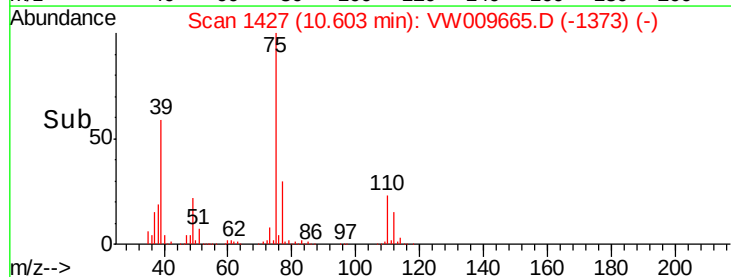
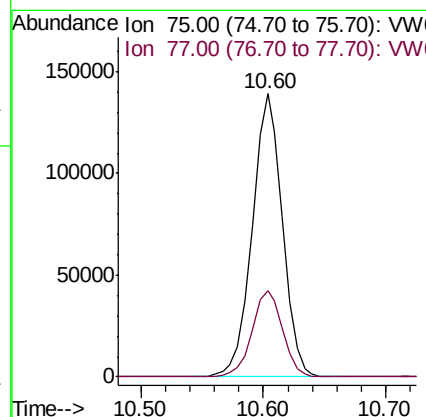
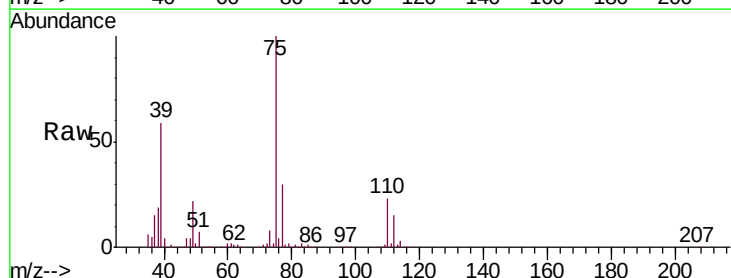
Acq: 03 Apr 2019 17:07

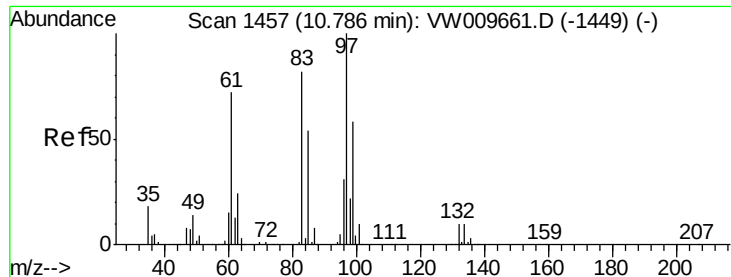
Tgt Ion: 75 Resp: 238535

Ion Ratio Lower Upper

75 100

77 30.3 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 23.289 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampled :

VSTD02510

Tgt Ion: 97 Resp: 129568

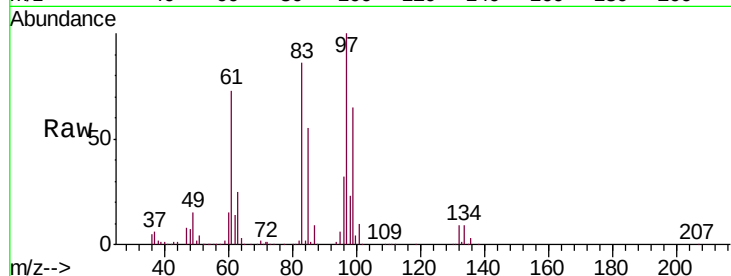
Ion Ratio Lower Upper

97 100

83 85.7 57.3 106.3

85 55.0 38.1 70.7

99 65.2 40.9 75.9

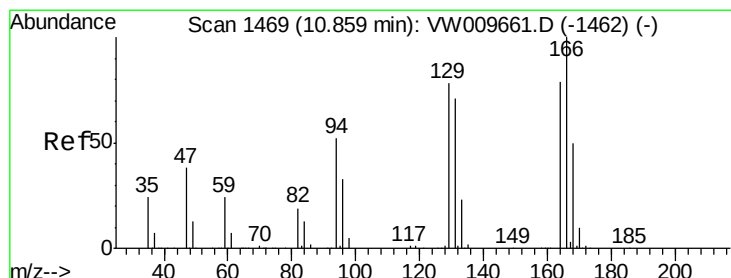
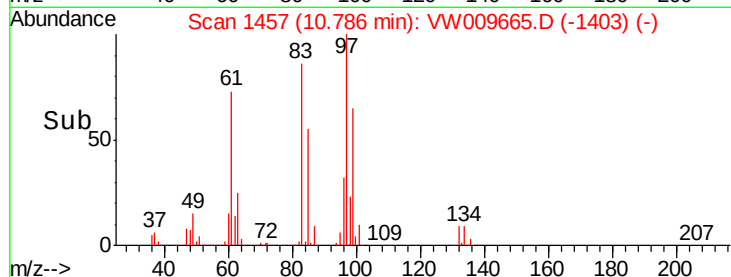
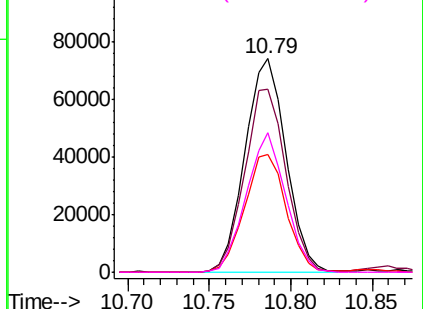


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.198 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Tgt Ion: 164 Resp: 138450

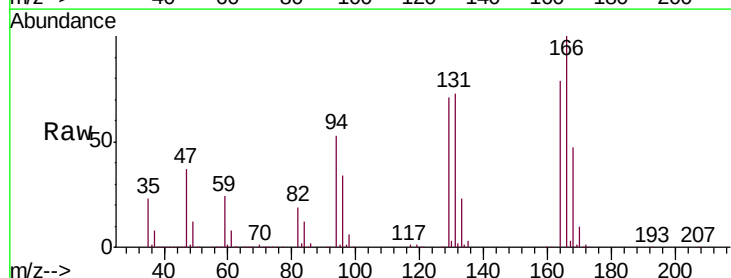
Ion Ratio Lower Upper

164 100

129 90.3 68.9 127.9

131 92.2 63.1 117.1

166 126.4 88.5 164.4

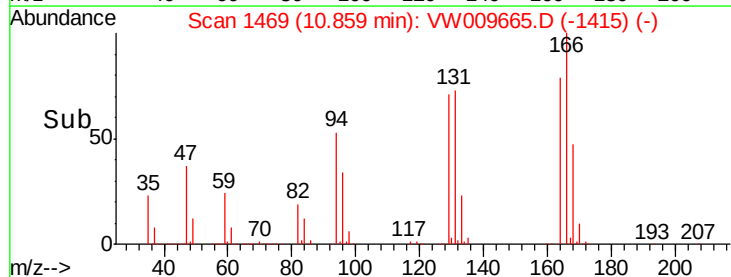
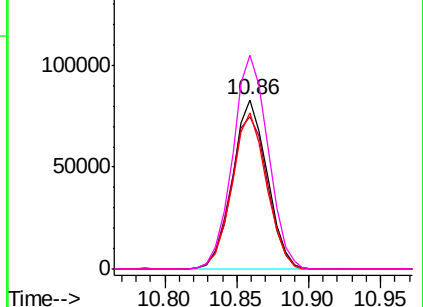


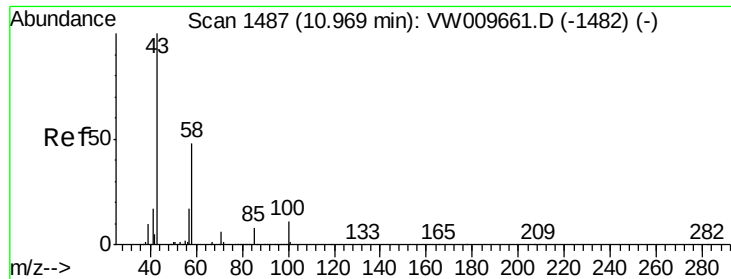
Abundance Ion 164.00 (163.70 to 164.70): V

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

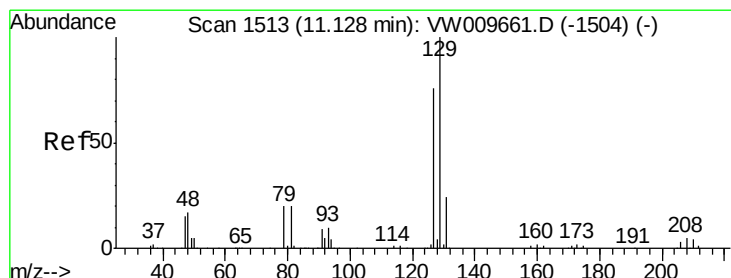
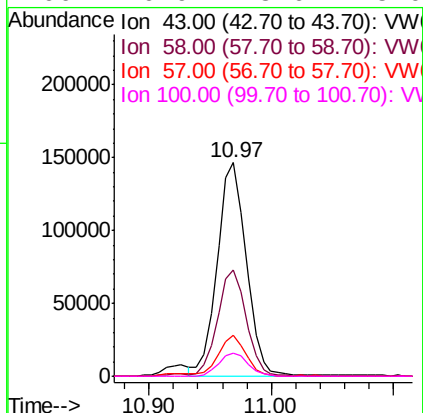
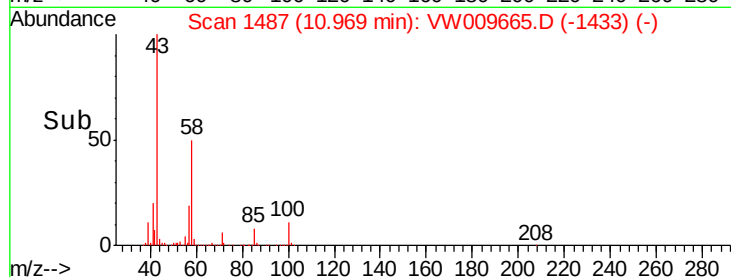
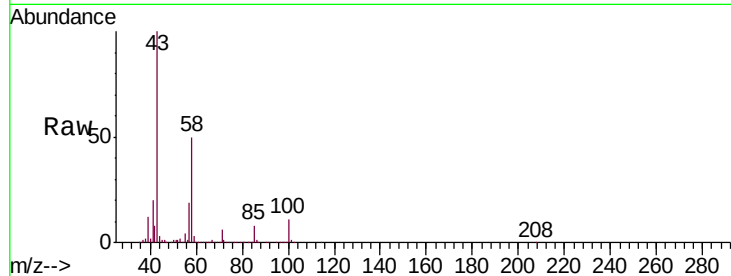




#49
2-Hexanone
Concen: 56.693 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009665.D
Acq: 03 Apr 2019 17:07

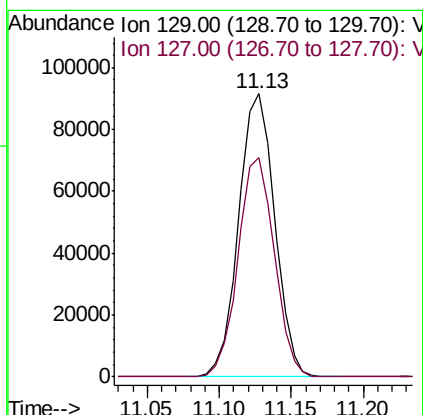
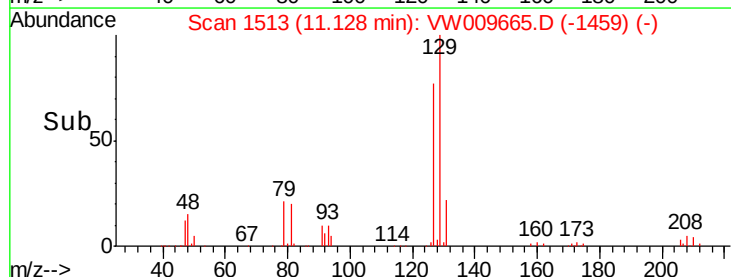
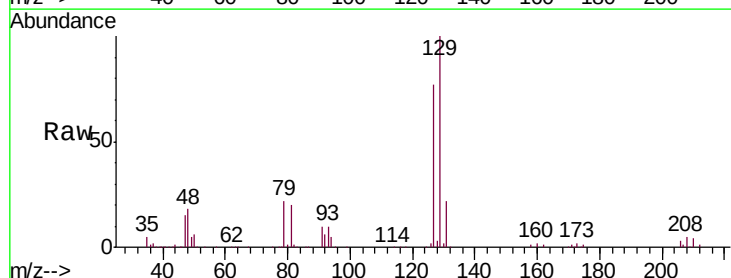
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

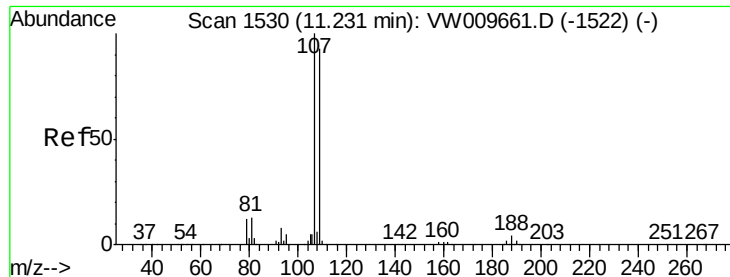
Tgt Ion:	43	Resp:	243046
Ion	Ratio	Lower	Upper
43	100		
58	49.2	38.9	58.3
57	18.0	13.8	20.6
100	10.9	8.6	13.0



#50
Dibromochloromethane
Concen: 23.302 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009665.D
Acq: 03 Apr 2019 17:07

Tgt Ion:	129	Resp:	159273
Ion	Ratio	Lower	Upper
129	100		
127	77.5	53.0	98.4

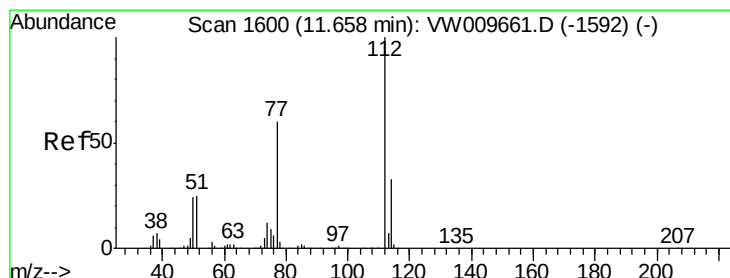
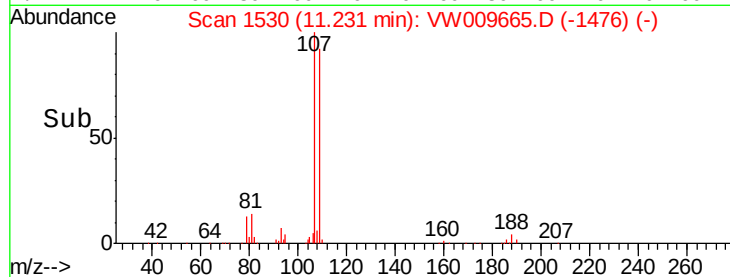
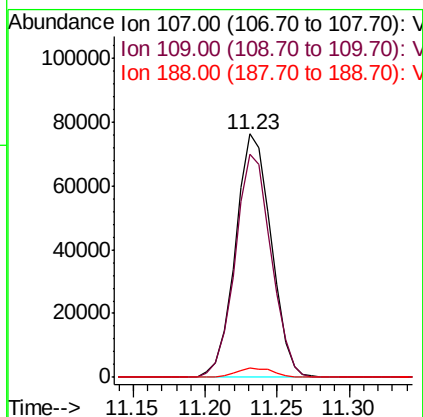
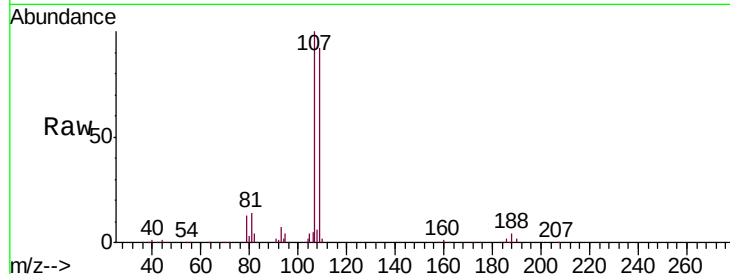




#51
 1,2-Dibromoethane
 Concen: 23.603 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

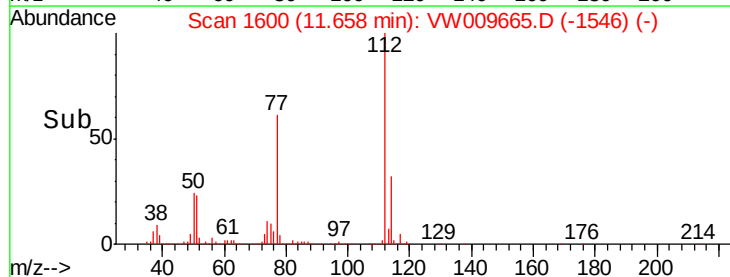
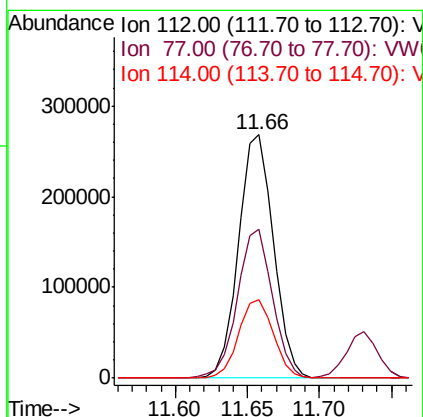
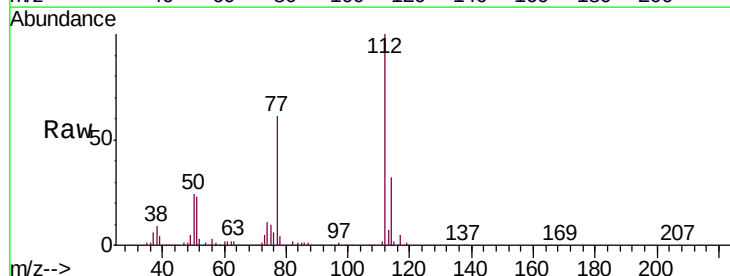
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

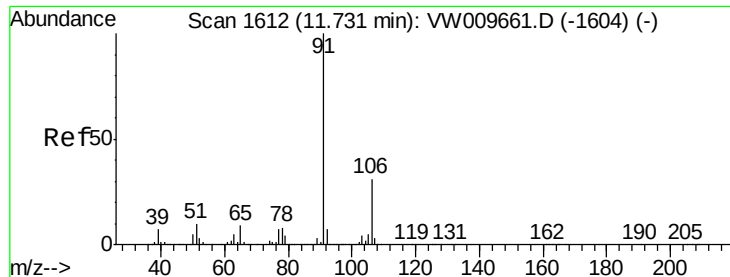
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.6	65.4	121.4
188	3.6	3.2	4.8



#52
 Chlorobenzene
 Concen: 22.881 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
77	60.9	48.2	72.2
114	32.1	23.0	42.6





#53

Ethylbenzene

Concen: 23.628 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

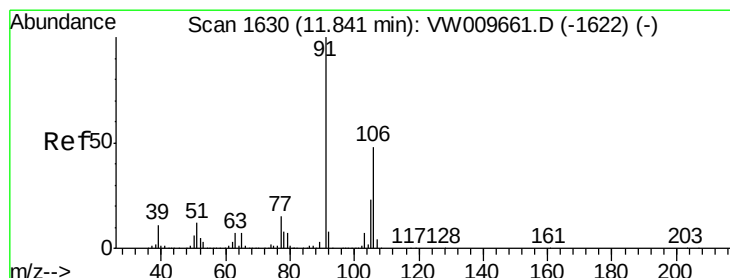
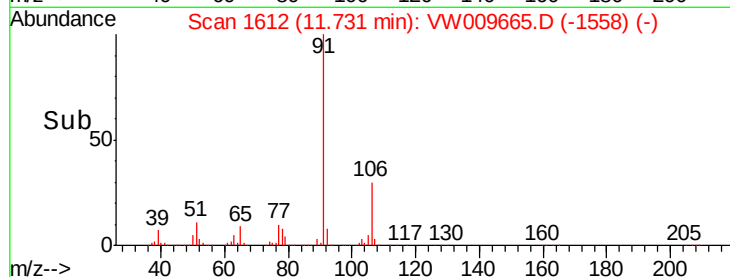
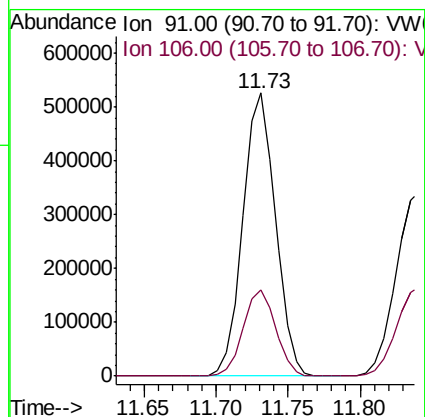
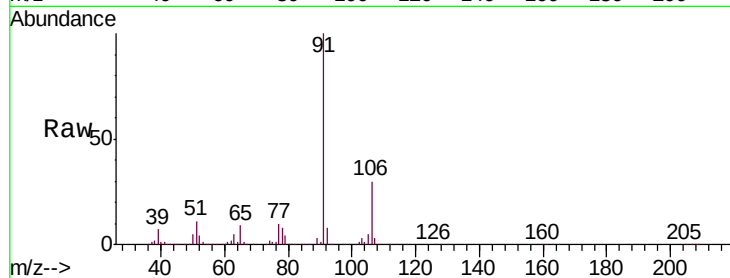
VSTD02510

Tgt Ion: 91 Resp: 825573

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#54

m,p-Xylene

Concen: 23.878 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW009665.D

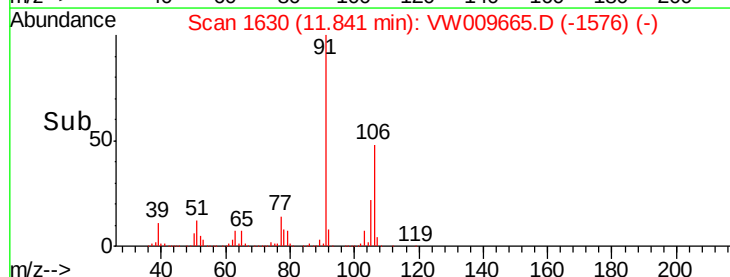
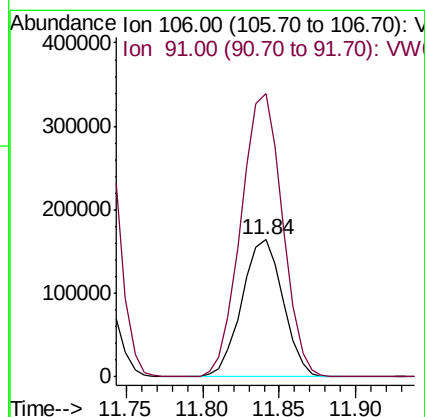
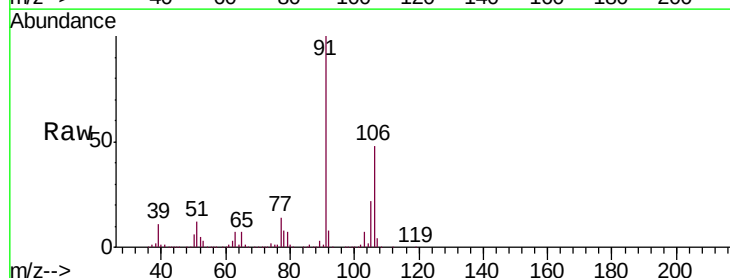
Acq: 03 Apr 2019 17:07

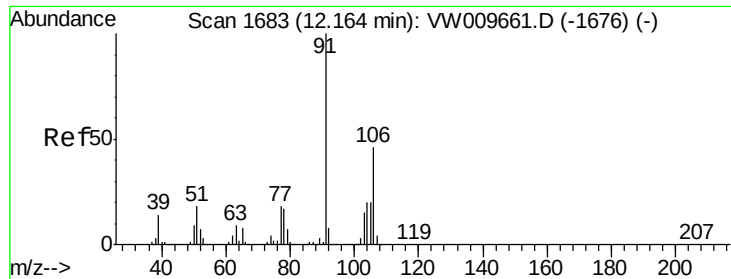
Tgt Ion: 106 Resp: 308582

Ion Ratio Lower Upper

106 100

91 206.8 145.3 269.9

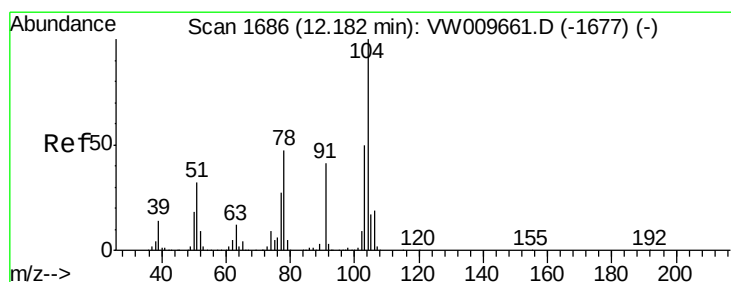
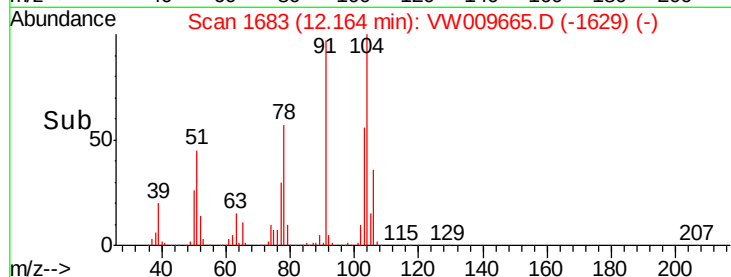
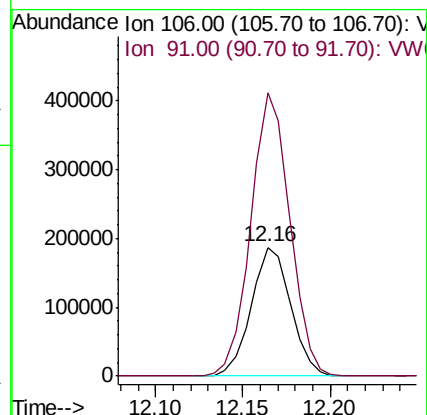
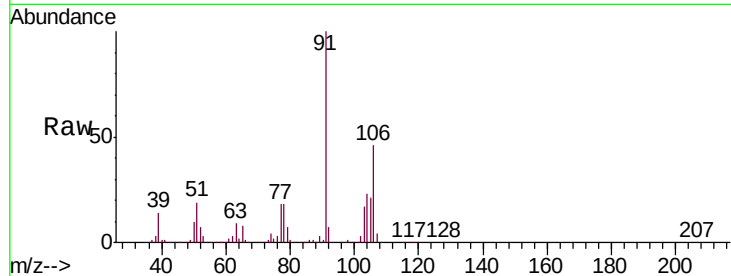




#55
o-xylene
Concen: 23.822 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009665.D
Acq: 03 Apr 2019 17:07

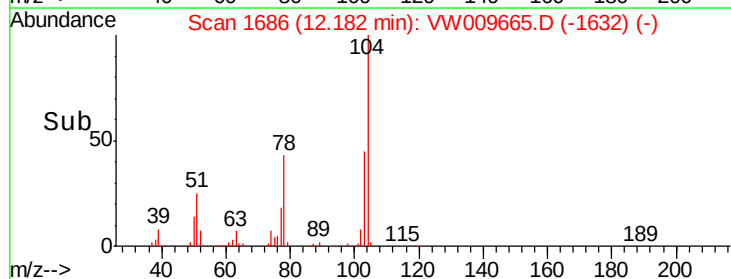
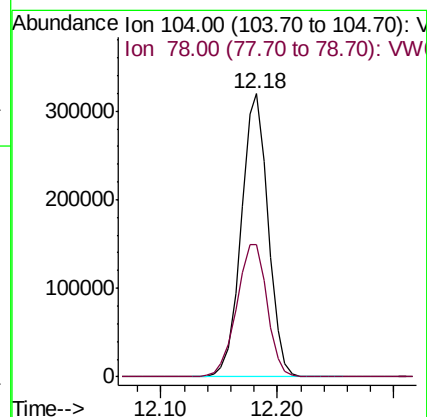
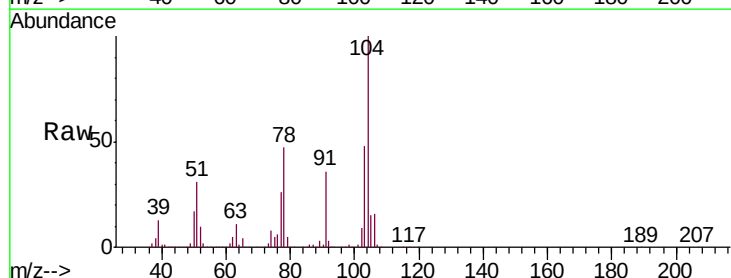
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

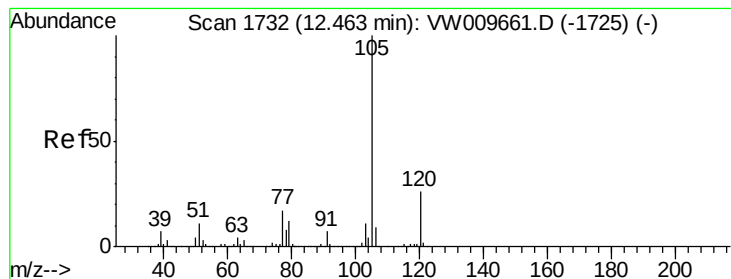
Tgt Ion:106 Resp: 293215
Ion Ratio Lower Upper
106 100
91 219.6 153.9 285.7



#56
Styrene
Concen: 24.045 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009665.D
Acq: 03 Apr 2019 17:07

Tgt Ion:104 Resp: 513526
Ion Ratio Lower Upper
104 100
78 46.6 32.9 61.1





#57

Isopropylbenzene

Concen: 24.271 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

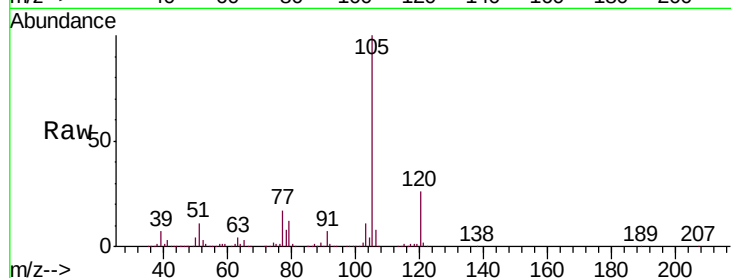
Tgt Ion: 105 Resp: 818008

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

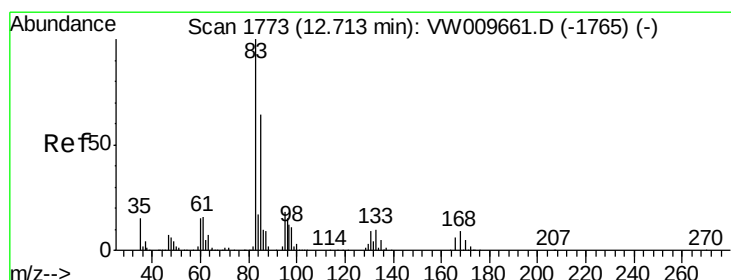
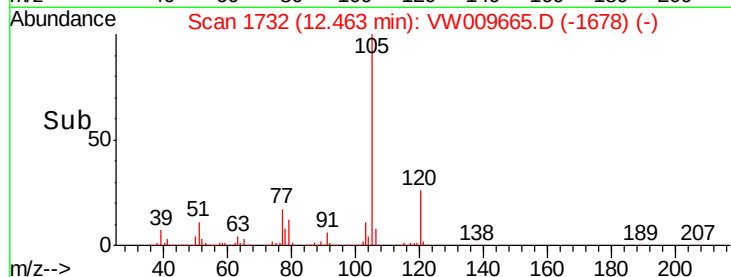
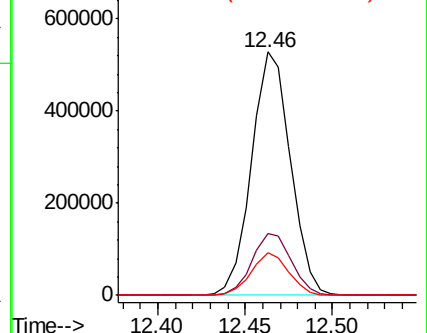
77 16.9 13.4 20.2



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: 24.122 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

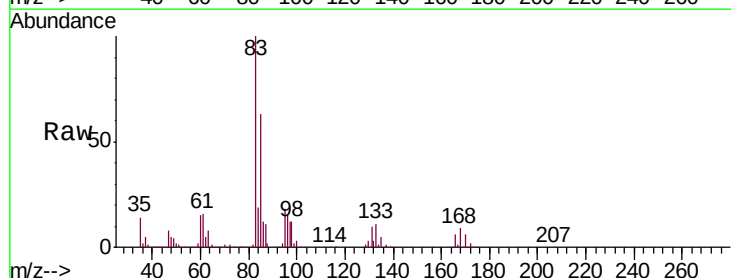
Tgt Ion: 83 Resp: 180457

Ion Ratio Lower Upper

83 100

85 63.1 44.9 83.3

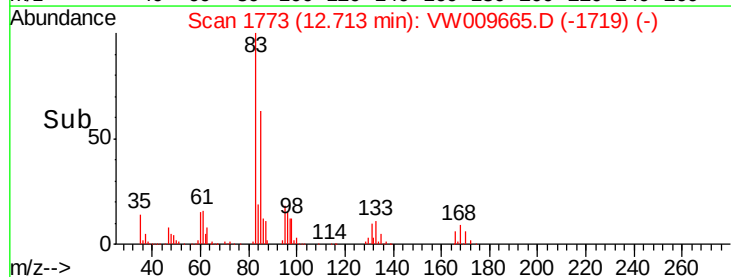
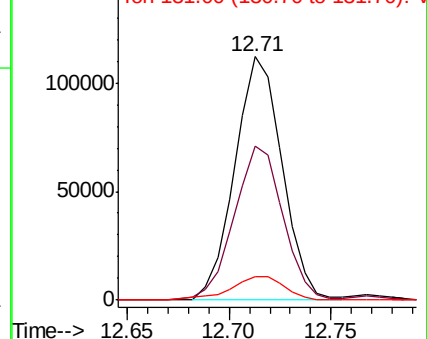
131 9.8 7.2 10.8

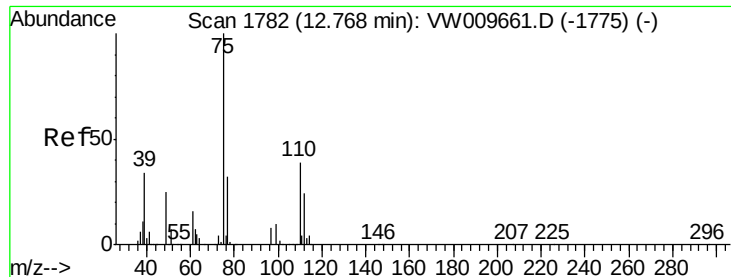


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.887 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

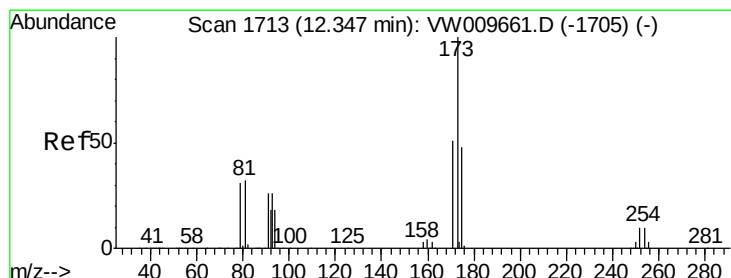
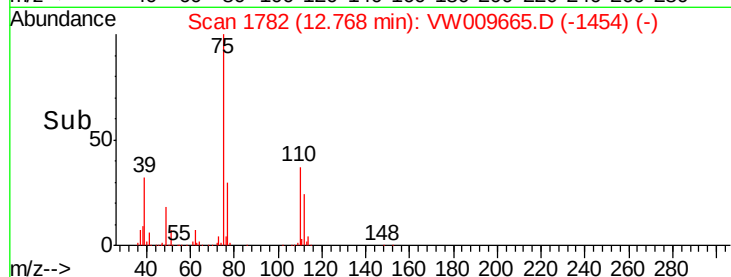
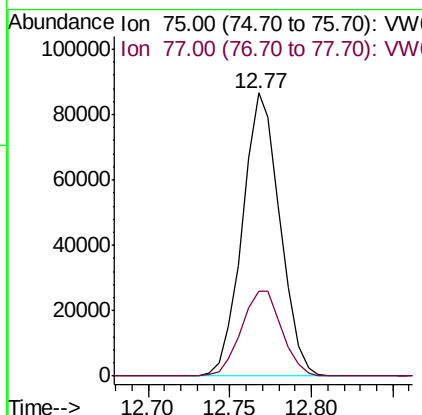
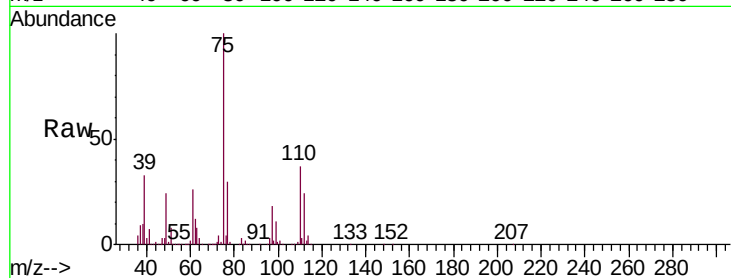
VSTD02510

Tgt Ion: 75 Resp: 138595

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



#62

Bromoform

Concen: 23.062 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

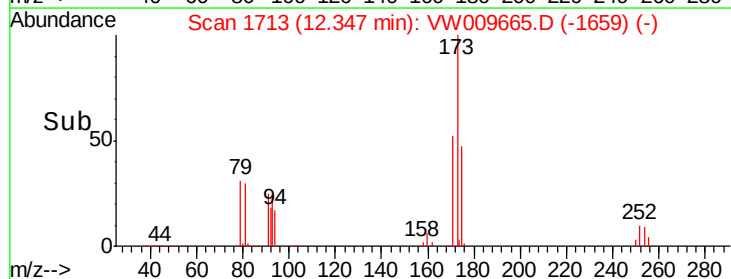
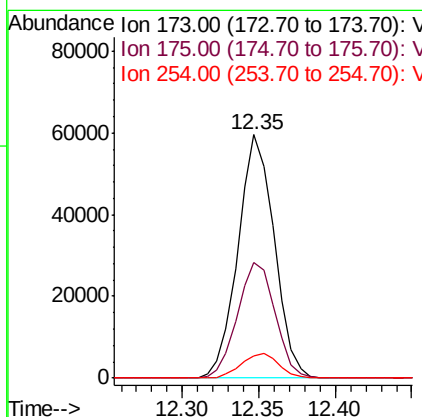
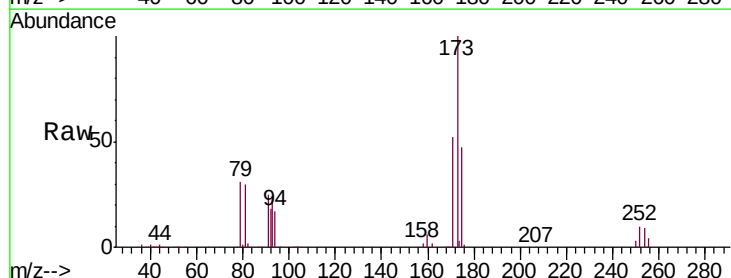
Tgt Ion: 173 Resp: 98103

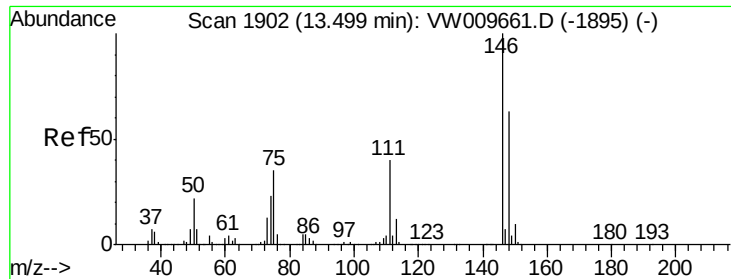
Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.2

254 10.4 8.5 12.7

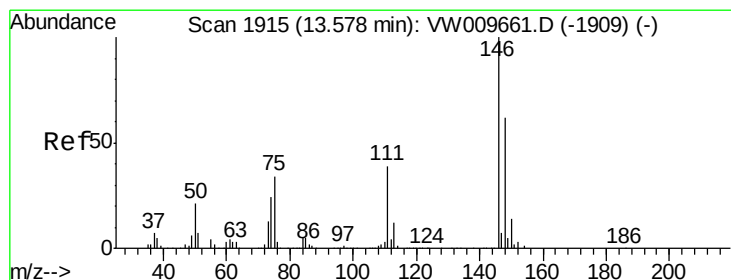
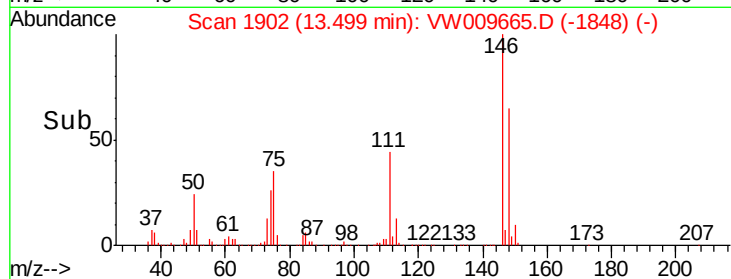
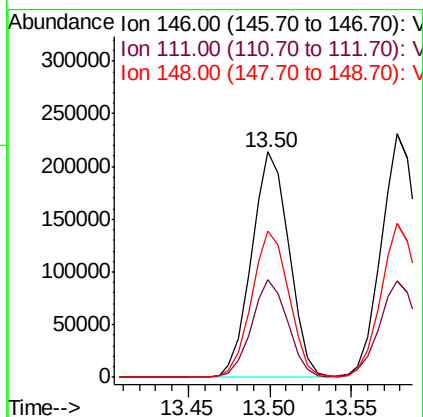
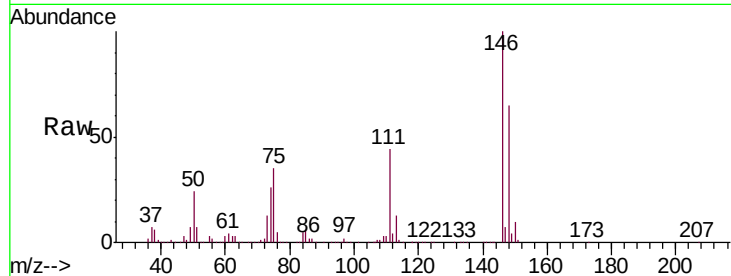




#63
 1,3-Dichlorobenzene
 Concen: 22.875 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

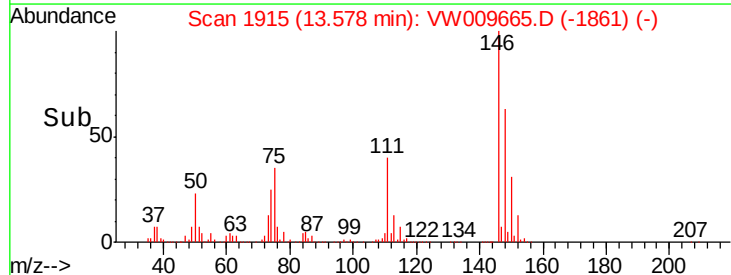
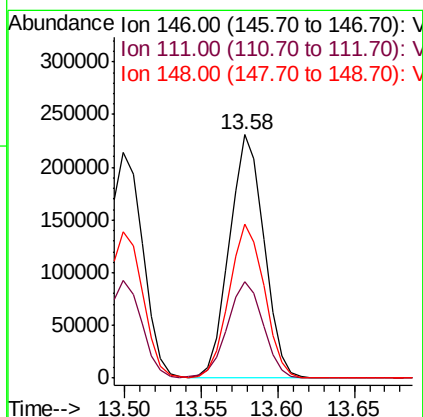
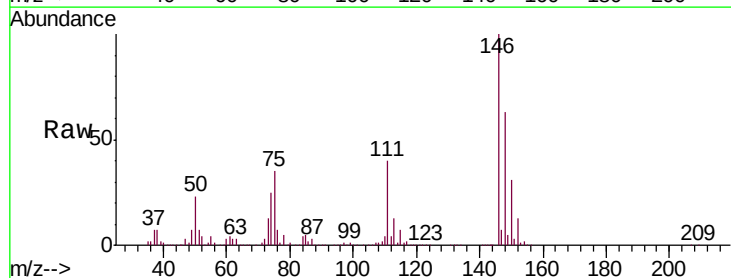
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

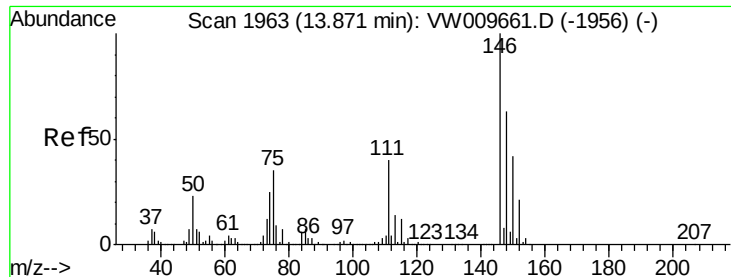
Tgt Ion:146 Resp: 342348
 Ion Ratio Lower Upper
 146 100
 111 43.6 28.1 52.3
 148 65.1 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 22.781 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion:146 Resp: 363577
 Ion Ratio Lower Upper
 146 100
 111 39.7 27.4 50.8
 148 63.2 43.8 81.3

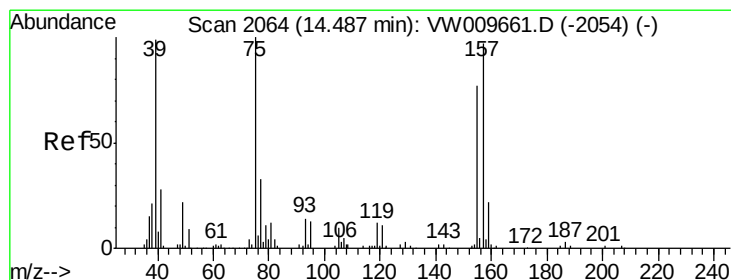
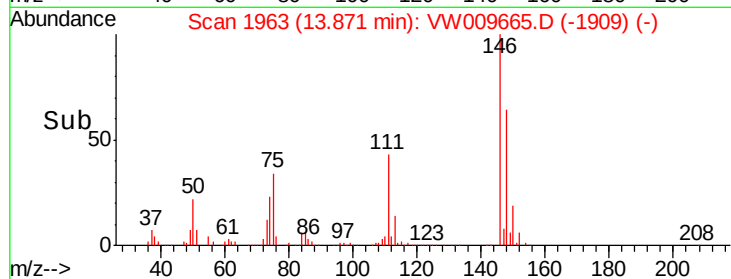
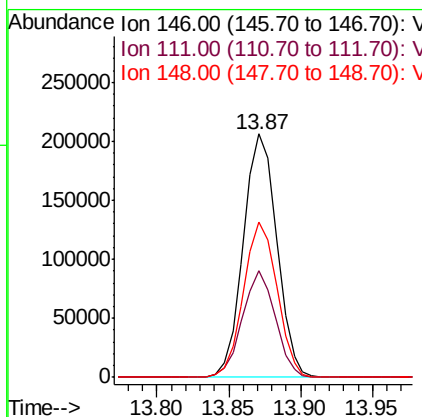
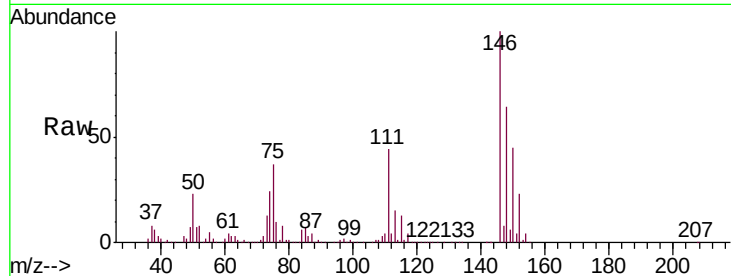




#65
 1,2-Dichlorobenzene
 Concen: 23.222 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

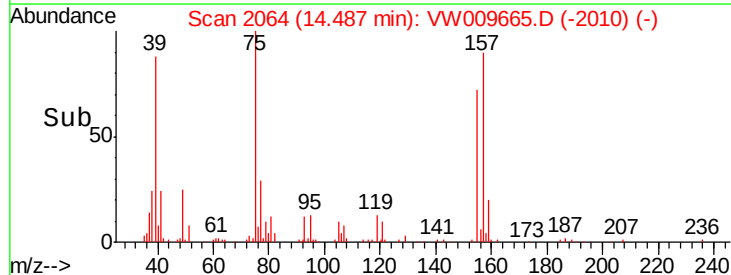
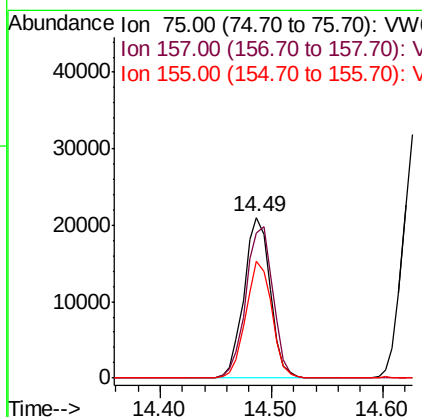
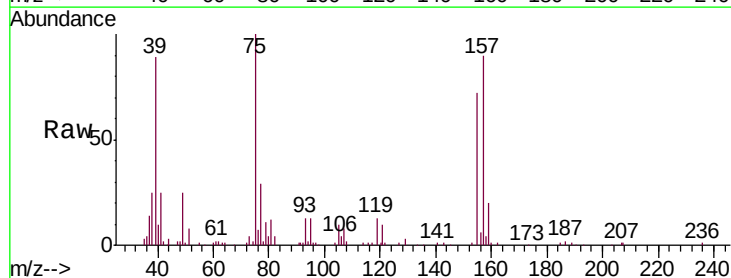
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

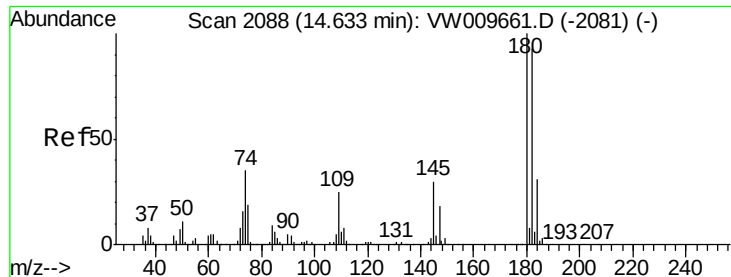
Tgt Ion: 146 Resp: 332498
 Ion Ratio Lower Upper
 146 100
 111 43.8 32.4 48.6
 148 63.7 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.710 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion: 75 Resp: 34439
 Ion Ratio Lower Upper
 75 100
 157 89.7 77.2 115.8
 155 72.3 61.9 92.9

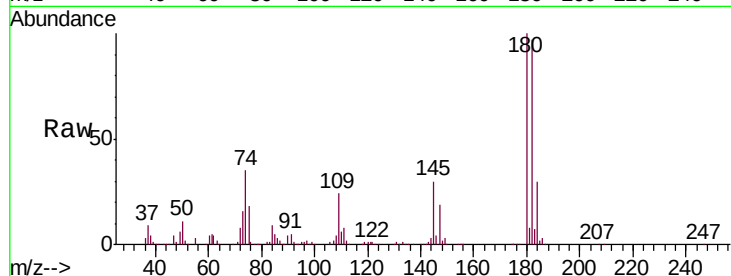




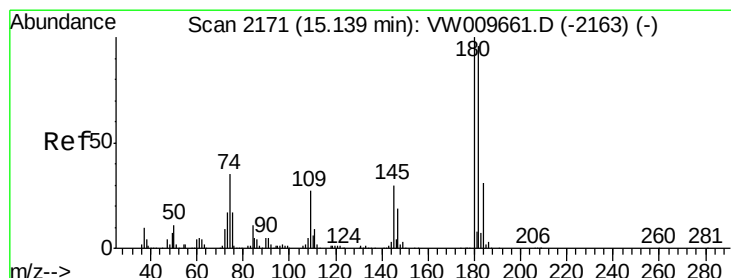
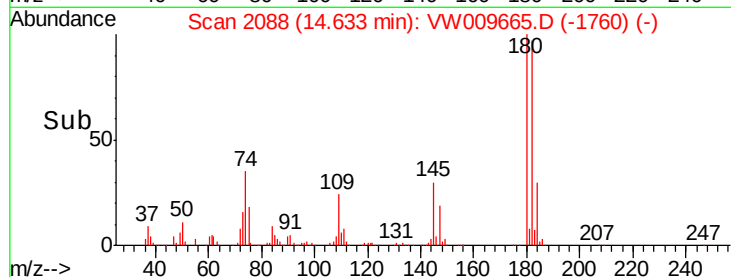
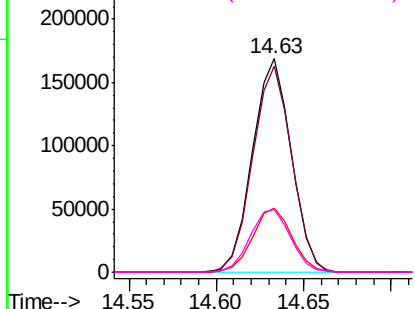
#67
 1,3,5-Trichlorobenzene
 Concen: 23.450 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion:180 Resp: 260401
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.6
 184 30.5 24.7 37.1
 145 30.5 24.5 36.7

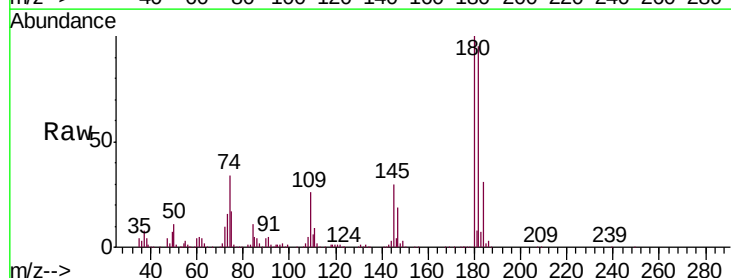


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

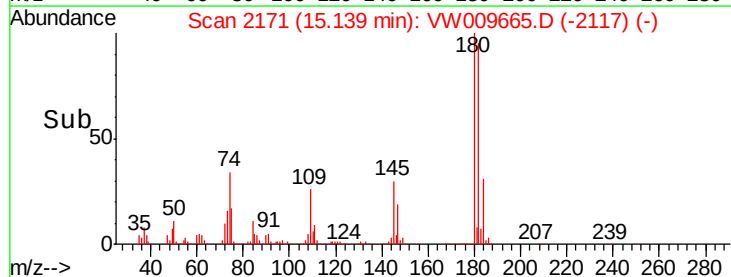
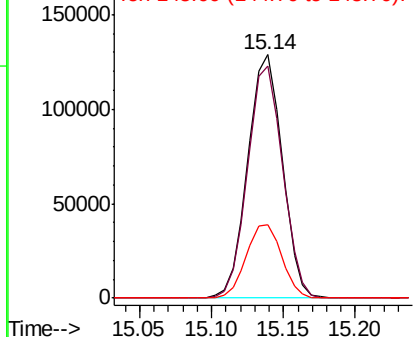


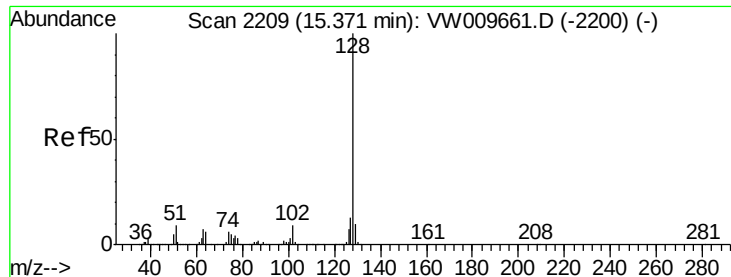
#68
 1,2,4-trichlorobenzene
 Concen: 24.016 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009665.D
 Acq: 03 Apr 2019 17:07

Tgt Ion:180 Resp: 214175
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.8 113.8
 145 31.0 24.3 36.5



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: 26.313 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

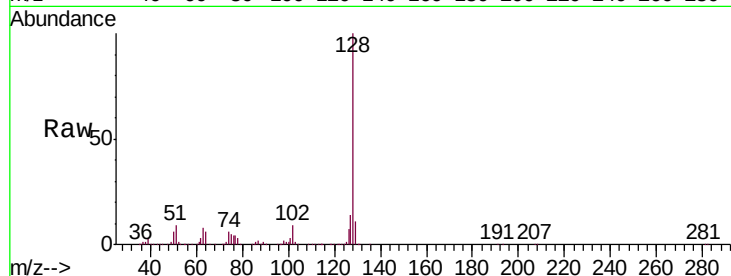
Tgt Ion:128 Resp: 471625

Ion Ratio Lower Upper

128 100

129 10.8 8.5 12.7

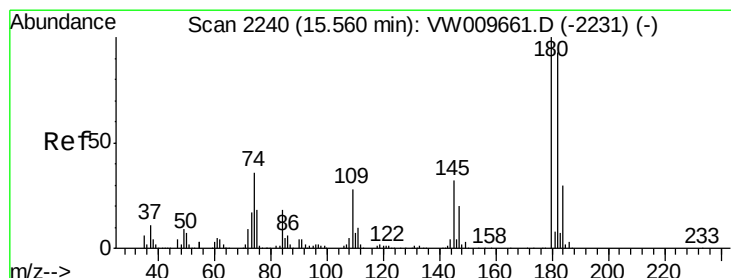
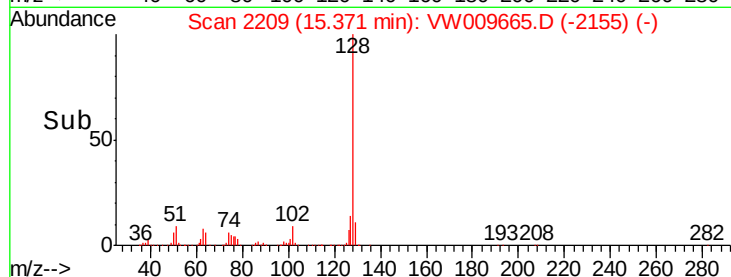
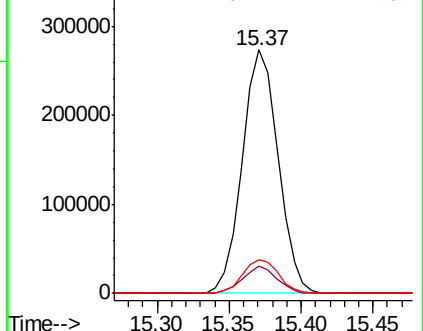
127 14.0 10.8 16.2



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: 24.528 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009665.D

Acq: 03 Apr 2019 17:07

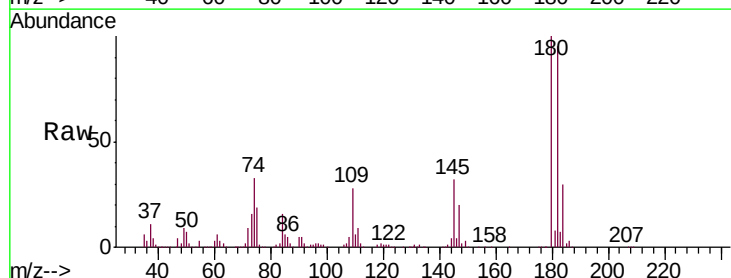
Tgt Ion:180 Resp: 204619

Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.4

145 32.8 25.8 38.6



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

