

Data File : VW006308.D
Acq On : 23 Oct 2018 21:34
Operator : SY/AP
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Oct 24 05:27:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 01:59:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	329720	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	309807	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	170251	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74046	19.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.64%
7) Chloroethane-d5	2.90	69	74371	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.96%
10) 1,1-Dichloroethene-d2	4.02	63	170543	23.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.52%
20) 2-Butanone-d5	7.09	46	66346	53.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.66%
24) Chloroform-d	7.65	84	173533	24.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	8.31	65	96786	24.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.96%
29) Benzene-d6	8.27	84	340820	24.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.92%
33) 1,2-Dichloropropane-d6	9.28	67	99824	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.33	98	341173	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	10.58	79	43351	21.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.04%
39) 2-Hexanone-d5	10.93	63	56131	54.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	111715	27.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	143226	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	103016	33.057 ug/L	97
3) Chloromethane	2.21	50	87056	28.446 ug/L	99
5) Vinyl chloride	2.37	62	127342	25.816 ug/L	99
6) Bromomethane	2.79	94	97767	25.455 ug/L	99
8) Chloroethane	2.93	64	82055	27.140 ug/L	100
9) Trichlorofluoromethane	3.26	101	119545	30.294 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	112805	28.592 ug/L	99
13) Acetone	4.14	43	66943	53.761 ug/L	100
14) Carbon disulfide	4.38	76	303827	24.551 ug/L	100
15) Methyl Acetate	4.68	43	59762	29.631 ug/L	99
16) Methylene chloride	4.92	84	105634	24.815 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	160640	26.069 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	111951	26.712 ug/L	96
19) 1,1-Dichloroethane	6.22	63	176647	26.045 ug/L	99
21) 2-Butanone	7.18	43	85775	51.841 ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	117604	25.724 ug/L	98
23) Bromochloromethane	7.51	128	55919	26.005 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	193928	26.563	ug/L	100
27) 1,2-Dichloroethane	8.40	62	133710	26.869	ug/L	98
30) Cyclohexane	7.96	56	176405	25.907	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	172544	26.615	ug/L	98
32) Carbon tetrachloride	8.07	117	167918	26.411	ug/L	100
34) Benzene	8.33	78	421855	26.525	ug/L	100
35) Trichloroethene	9.09	95	120371	26.900	ug/L	99
36) Methylcyclohexane	9.34	83	223017	27.201	ug/L	99
40) 1,2-Dichloropropane	9.37	63	101330	25.684	ug/L	99
41) Bromodichloromethane	9.65	83	130746	24.541	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	156245	24.247	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	169550	53.631	ug/L	98
44) Toluene	10.39	91	479197	26.834	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	139497	24.783	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	89513	27.246	ug/L	98
47) Tetrachloroethene	10.87	164	114142	27.556	ug/L	95
49) 2-Hexanone	10.98	43	129660	55.650	ug/L	96
50) Dibromochloromethane	11.13	129	104763	24.878	ug/L	100
51) 1,2-Dibromoethane	11.24	107	93001	27.195	ug/L	99
52) Chlorobenzene	11.66	112	319882	26.469	ug/L	99
53) Ethylbenzene	11.74	91	554851	26.688	ug/L	100
54) m,p-Xylene	11.84	106	214900	26.371	ug/L	98
55) o-xylene	12.17	106	207190	26.628	ug/L	95
56) Styrene	12.19	104	351306	26.218	ug/L	94
57) Isopropylbenzene	12.47	105	586144	27.073	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	125439	29.380	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	94998	29.822	ug/L	100
62) Bromoform	12.35	173	71453	25.047	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	272846	26.097	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	276857	26.296	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	255049	26.518	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22360	28.882	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	222939	26.453	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	186454	25.946	ug/L	100
69) Naphthalene	15.38	128	408393	28.069	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	172029	26.646	ug/L	99

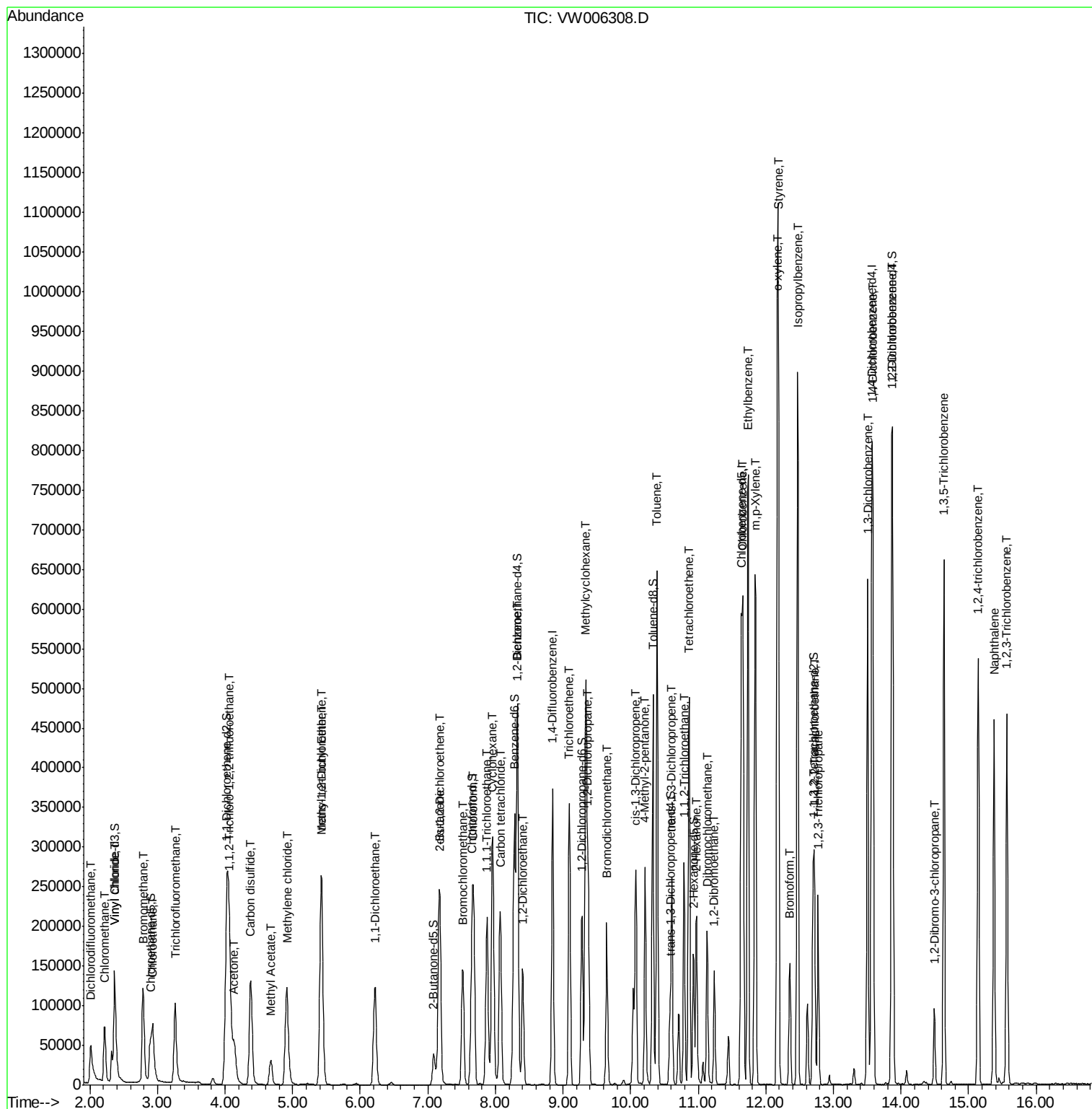
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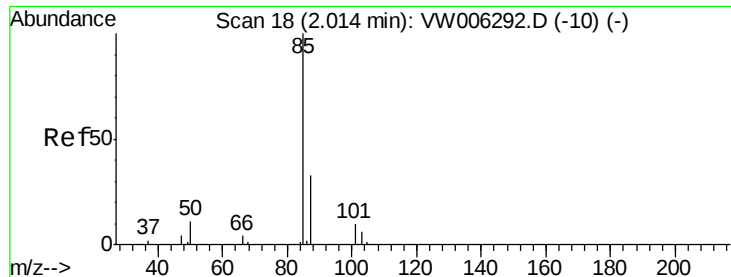
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#2

Dichlorodifluoromethane

Concen: 33.057 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

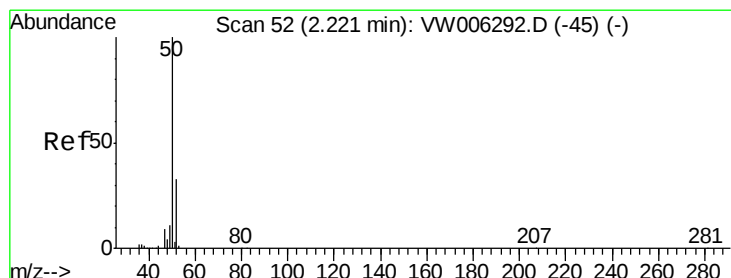
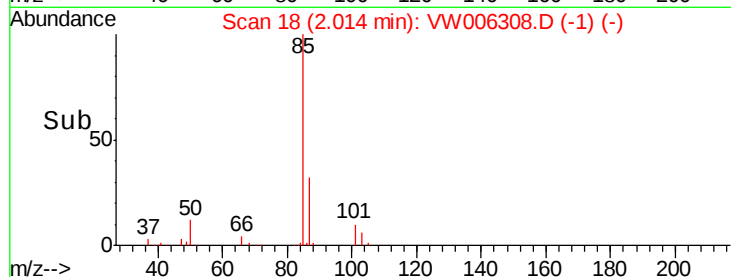
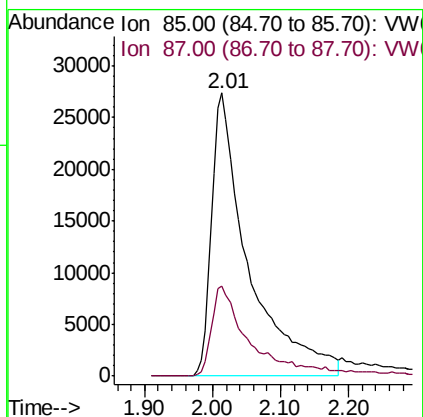
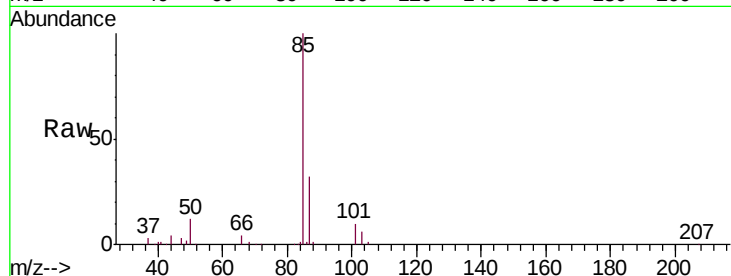
VSTD02503

Tgt Ion: 85 Resp: 103016

Ion Ratio Lower Upper

85 100

87 25.6 19.2 35.6



#3

Chloromethane

Concen: 28.446 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006308.D

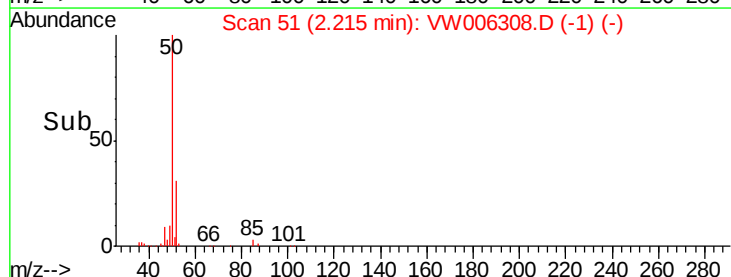
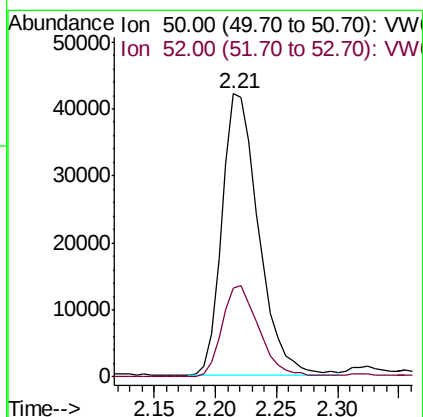
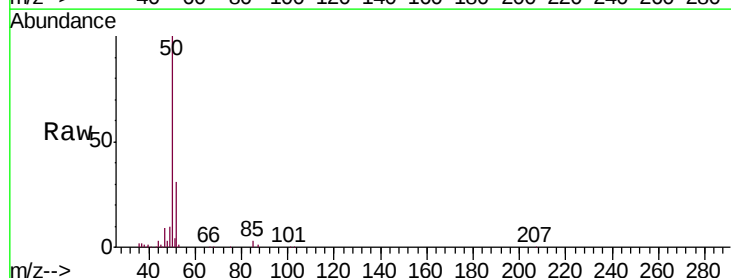
Acq: 23 Oct 2018 21:34

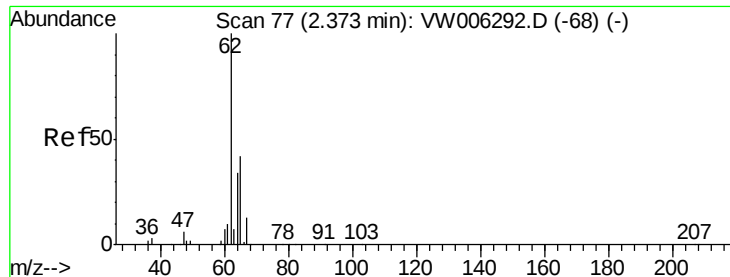
Tgt Ion: 50 Resp: 87056

Ion Ratio Lower Upper

50 100

52 31.4 22.3 41.3





#5

Vinyl chloride

Concen: 25.816 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

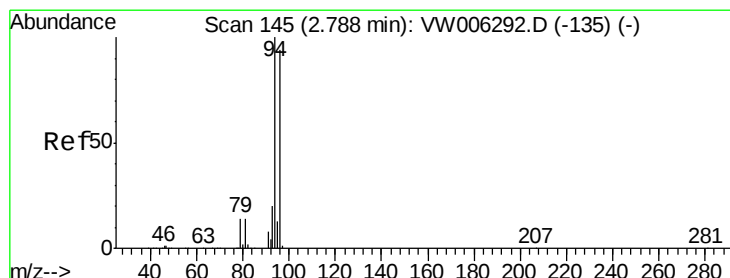
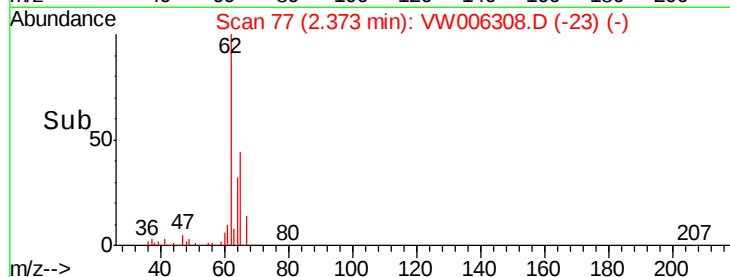
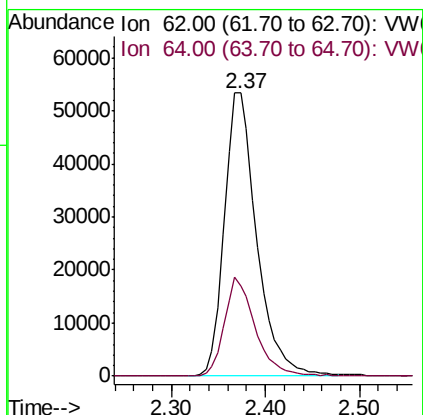
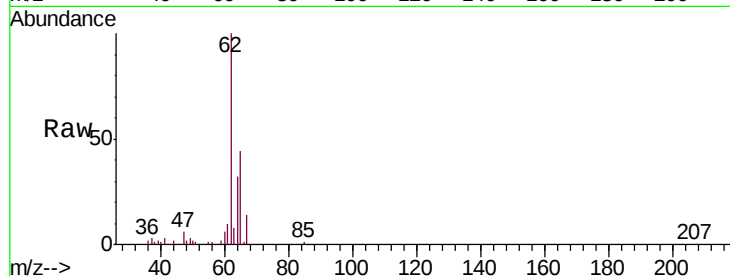
VSTD02503

Tgt Ion: 62 Resp: 127342

Ion Ratio Lower Upper

62 100

64 31.9 22.7 42.3



#6

Bromomethane

Concen: 25.455 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006308.D

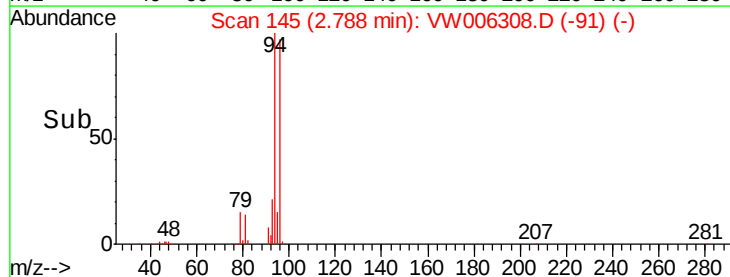
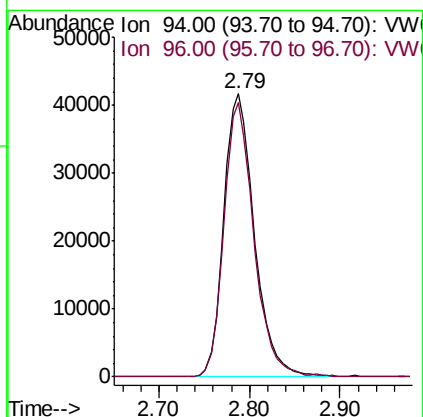
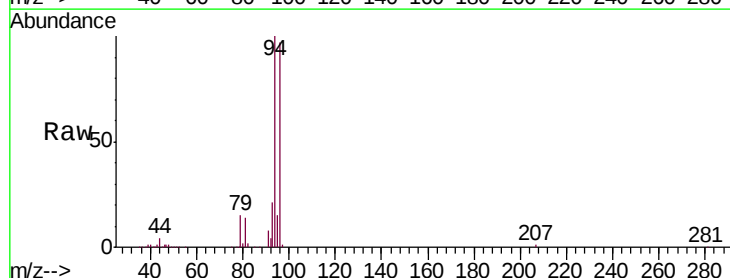
Acq: 23 Oct 2018 21:34

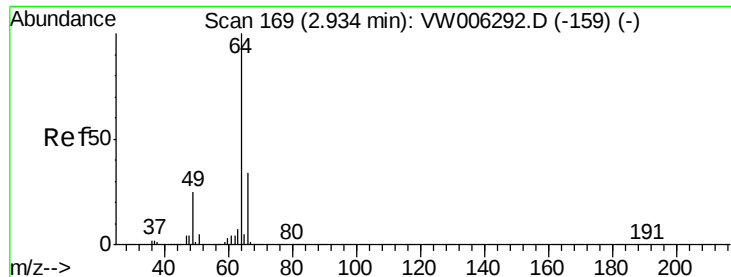
Tgt Ion: 94 Resp: 97767

Ion Ratio Lower Upper

94 100

96 94.8 9.5 181.3





#8

Chloroethane

Concen: 27.140 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

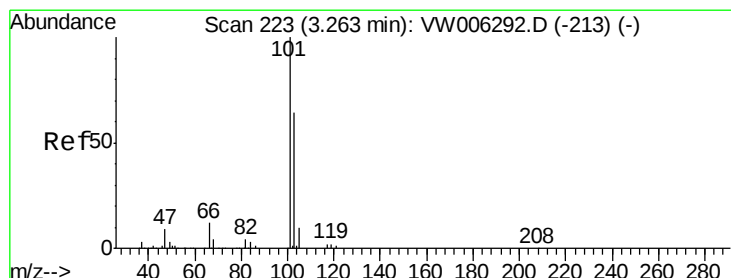
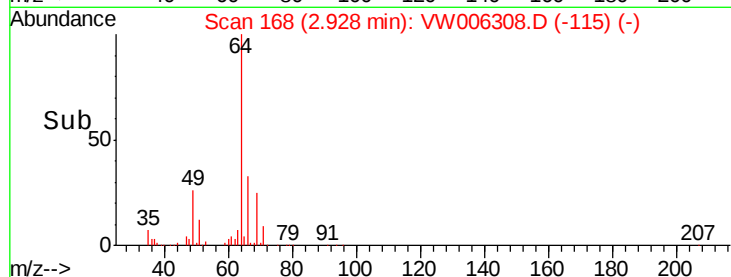
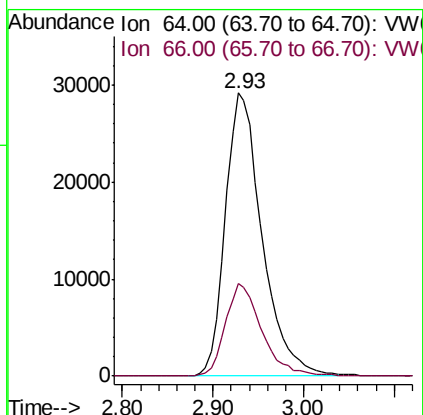
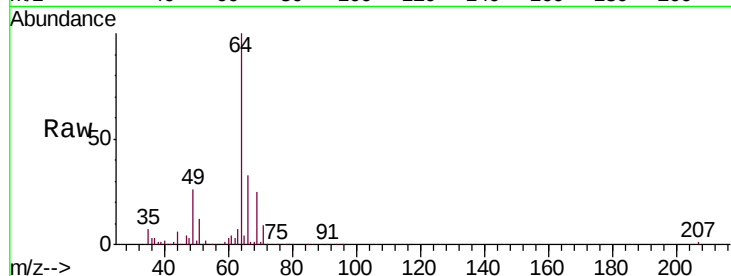
VSTD02503

Tgt Ion: 64 Resp: 82055

Ion Ratio Lower Upper

64 100

66 32.6 22.7 42.1



#9

Trichlorofluoromethane

Concen: 30.294 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006308.D

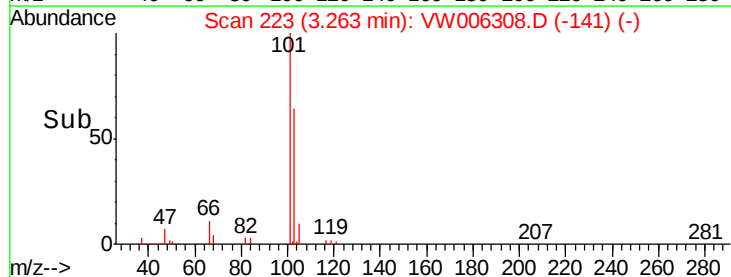
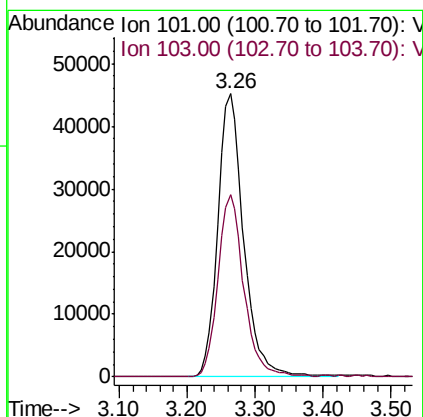
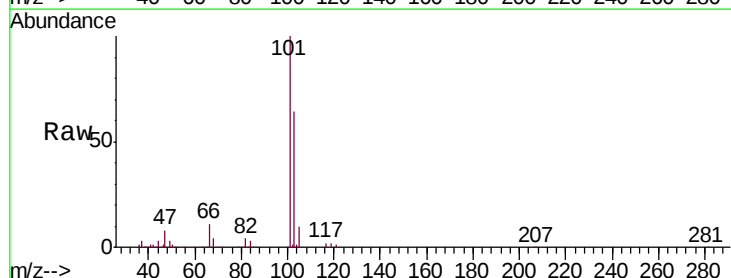
Acq: 23 Oct 2018 21:34

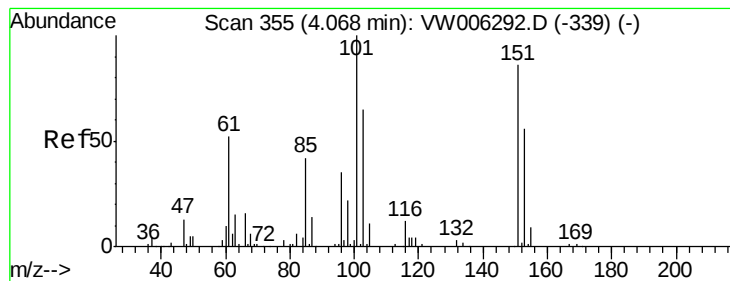
Tgt Ion: 101 Resp: 119545

Ion Ratio Lower Upper

101 100

103 63.9 45.6 84.6





#11

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

Concen: 28.592 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

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ClientSampleId :

VSTD02503

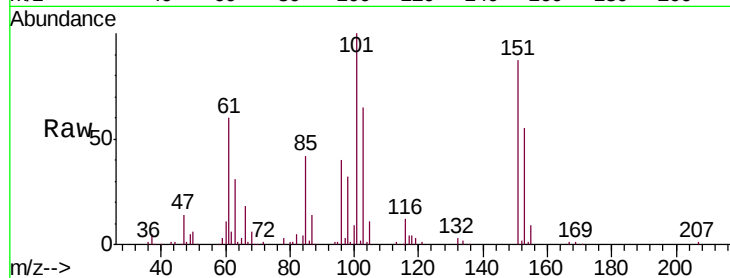
Tgt Ion: 101 Resp: 112805

Ion Ratio Lower Upper

101 100

85 43.0 33.4 50.2

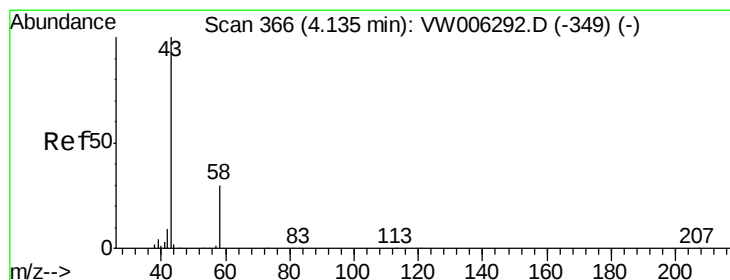
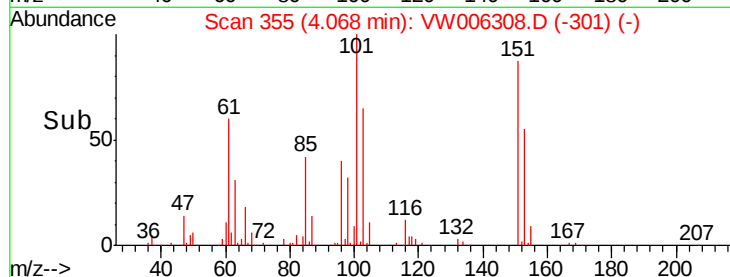
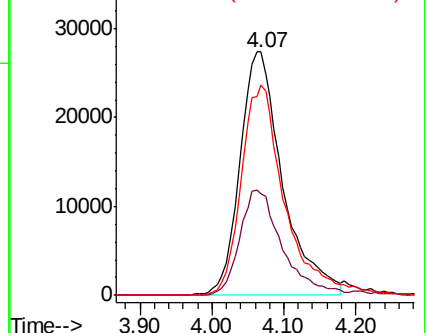
151 86.3 68.7 103.1



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



#13

Acetone

Concen: 53.761 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW006308.D

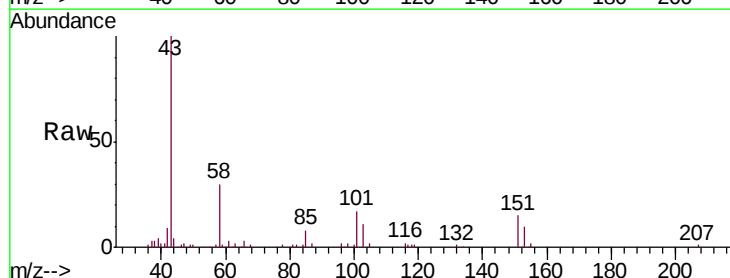
Acq: 23 Oct 2018 21:34

Tgt Ion: 43 Resp: 66943

Ion Ratio Lower Upper

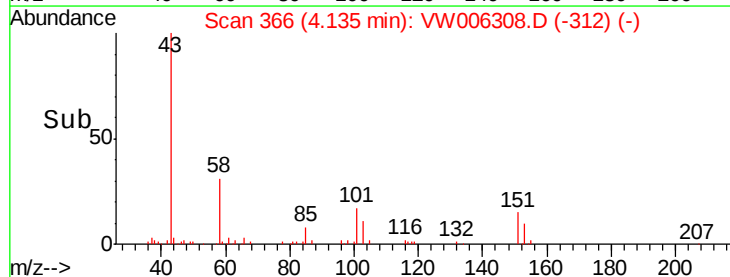
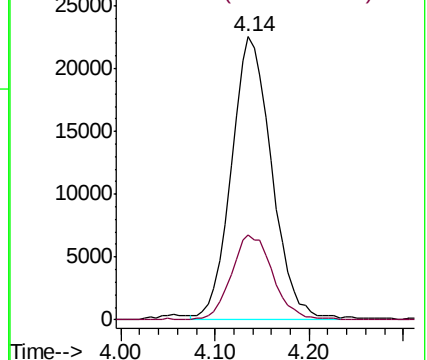
43 100

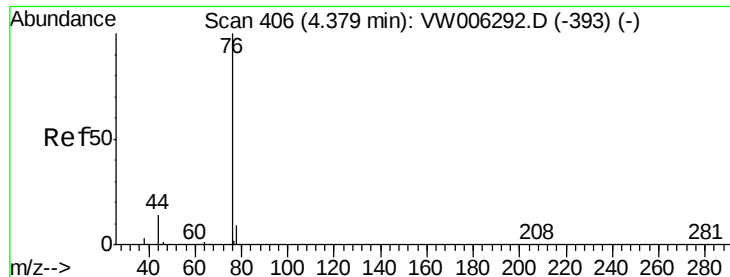
58 30.8 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 24.551 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006308.D

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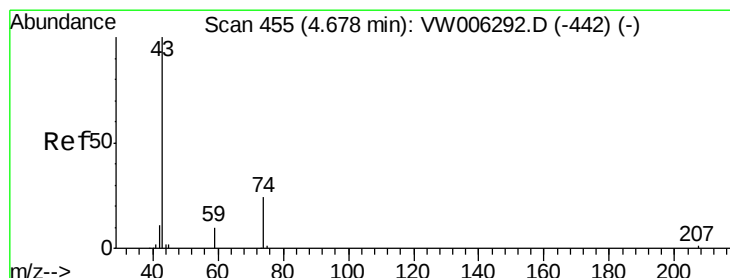
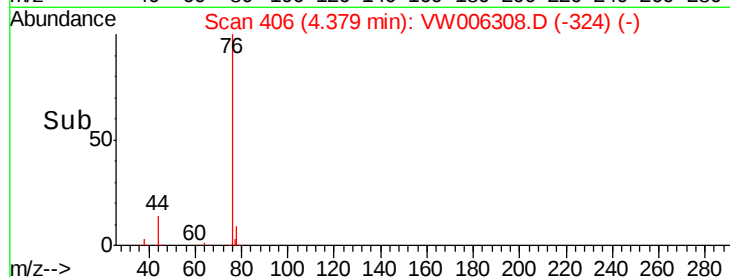
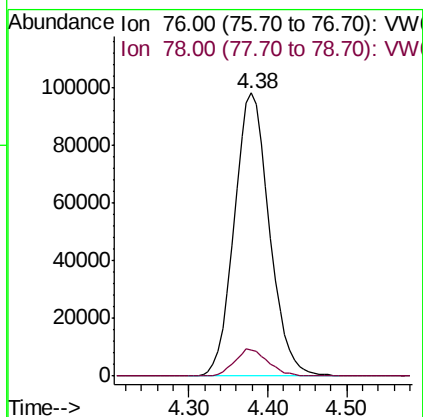
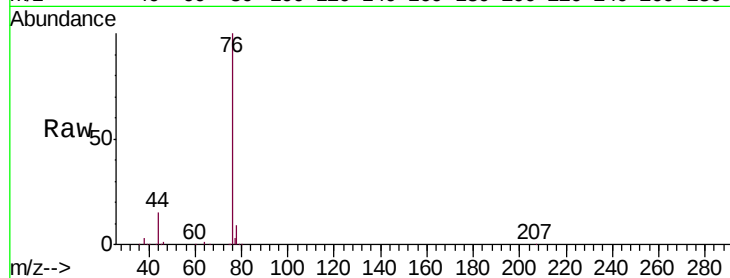
VSTD02503

Tgt Ion: 76 Resp: 303827

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4



#15

Methyl Acetate

Concen: 29.631 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006308.D

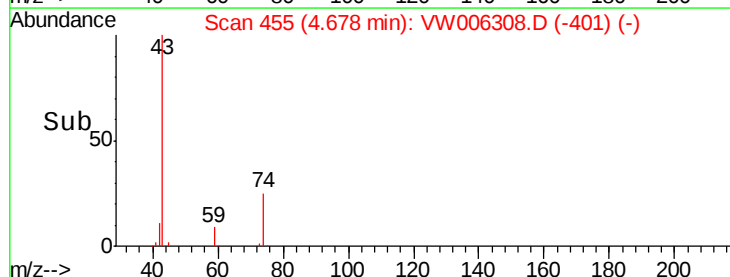
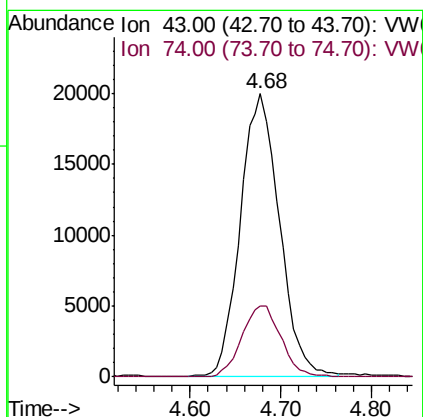
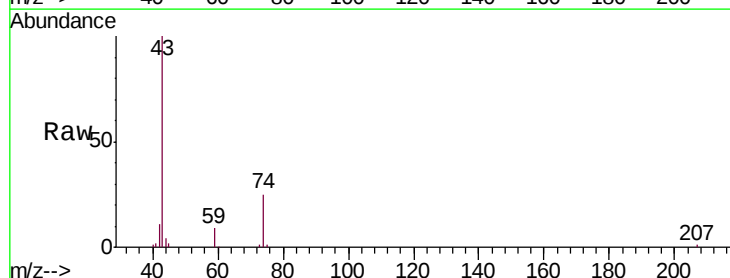
Acq: 23 Oct 2018 21:34

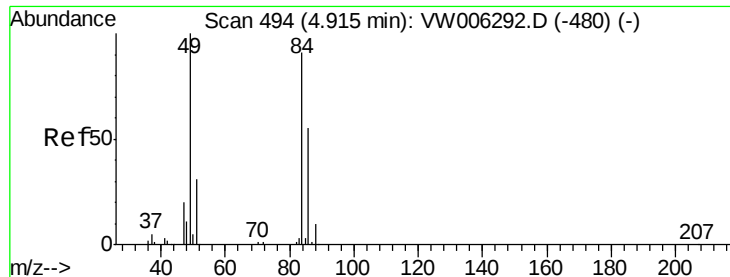
Tgt Ion: 43 Resp: 59762

Ion Ratio Lower Upper

43 100

74 24.9 19.4 29.2

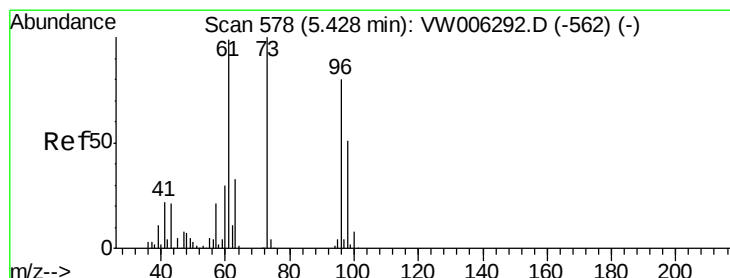
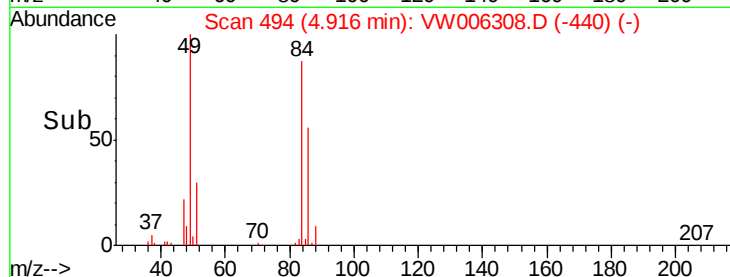
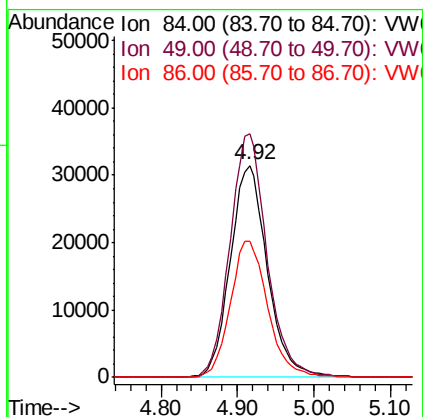
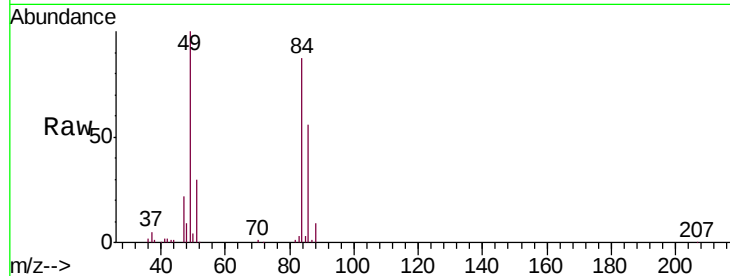




#16
Methylene chloride
Concen: 24.815 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006308.D
Acq: 23 Oct 2018 21:34

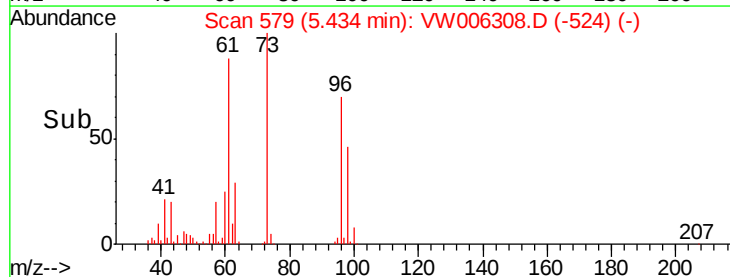
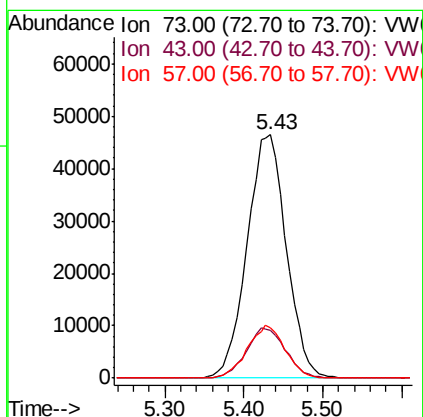
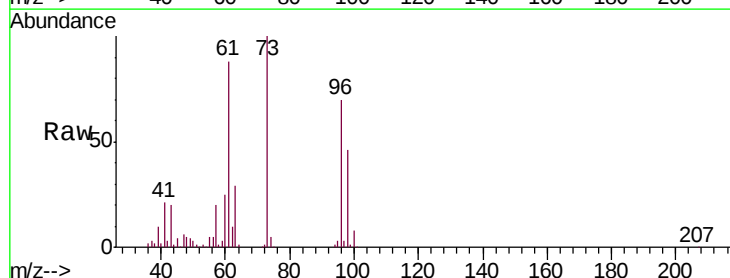
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

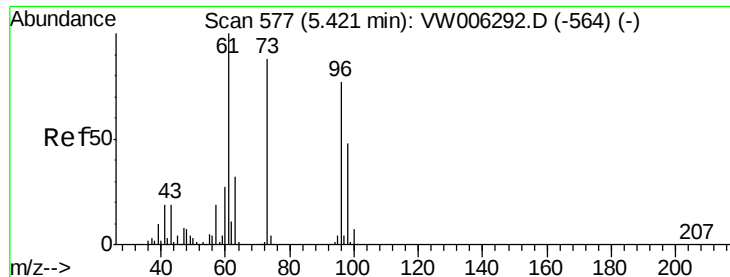
Tgt Ion: 84 Resp: 105634
Ion Ratio Lower Upper
84 100
49 114.9 83.5 155.1
86 64.4 44.9 83.5



#17
Methyl tert-butyl Ether
Concen: 26.069 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006308.D
Acq: 23 Oct 2018 21:34

Tgt Ion: 73 Resp: 160640
Ion Ratio Lower Upper
73 100
43 20.6 17.0 25.4
57 20.9 17.1 25.7





#18

trans-1,2-Dichloroethene

Concen: 26.712 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

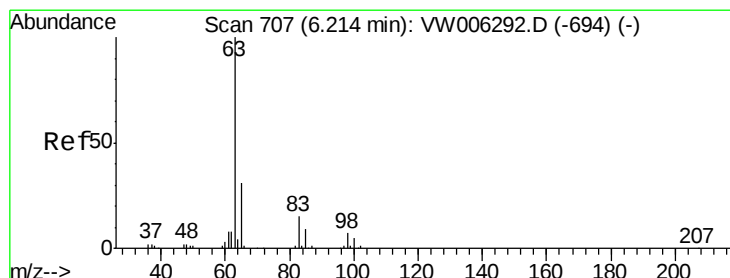
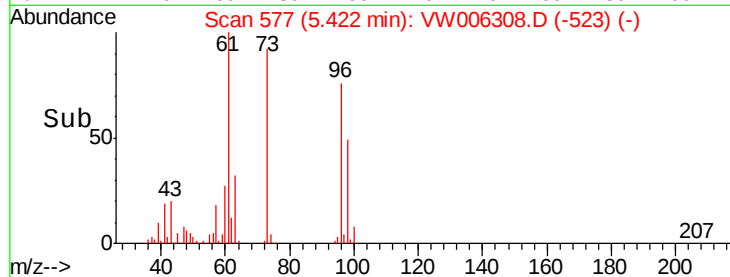
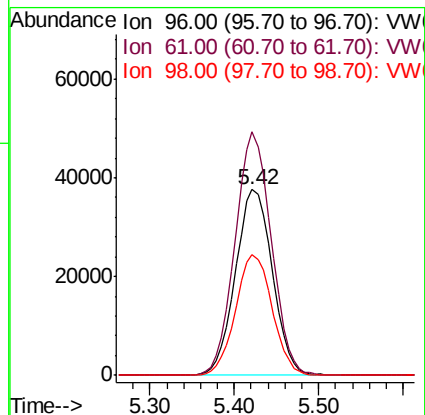
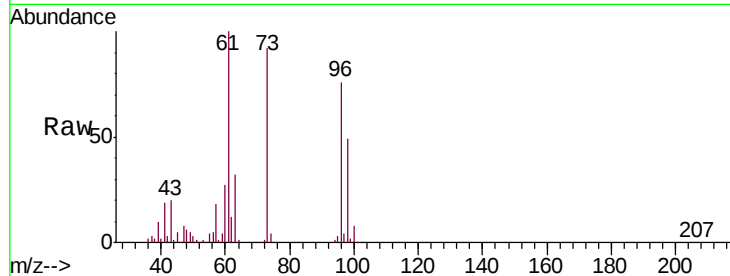
Tgt Ion: 96 Resp: 111951

Ion Ratio Lower Upper

96 100

61 130.9 89.0 165.2

98 64.7 42.4 78.6



#19

1,1-Dichloroethane

Concen: 26.045 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

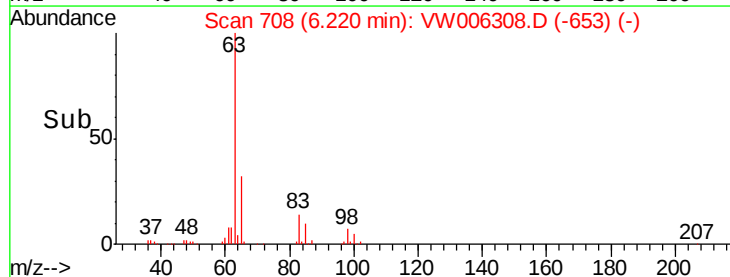
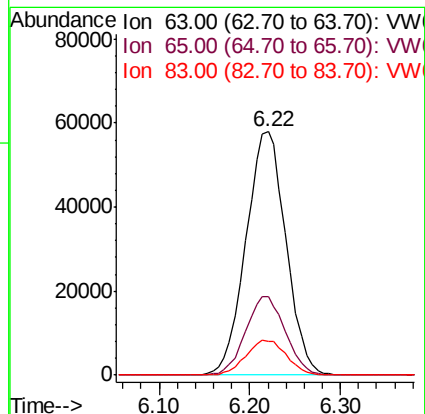
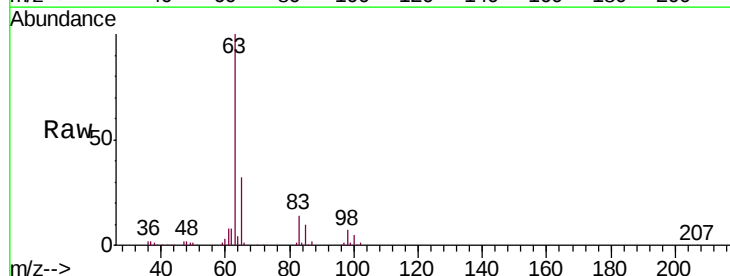
Tgt Ion: 63 Resp: 176647

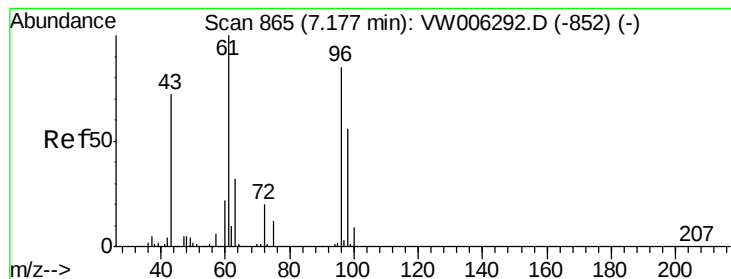
Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.5

83 14.0 9.7 18.1





#21

2-Butanone

Concen: 51.841 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

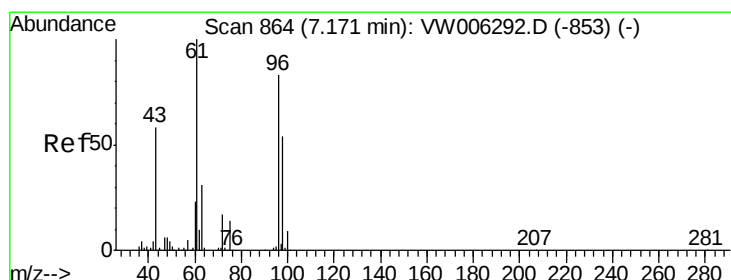
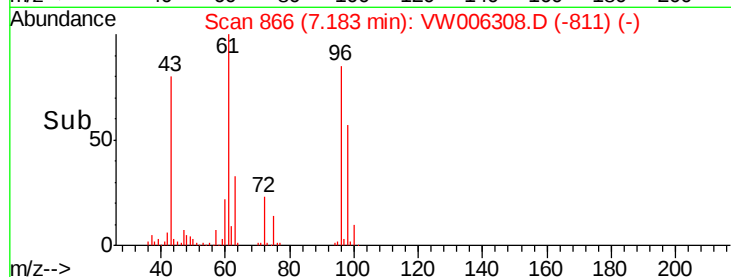
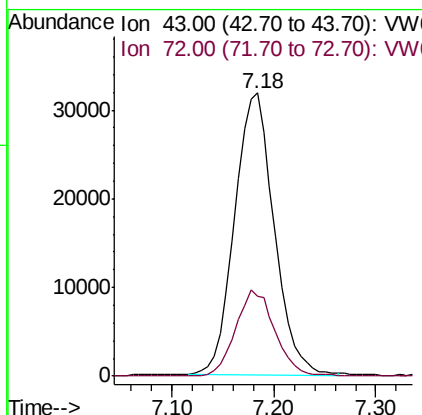
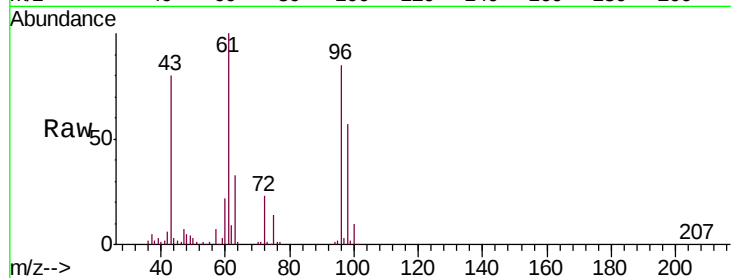
VSTD02503

Tgt Ion: 43 Resp: 85775

Ion Ratio Lower Upper

43 100

72 30.1 13.8 41.4



#22

cis-1,2-Dichloroethene

Concen: 25.724 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

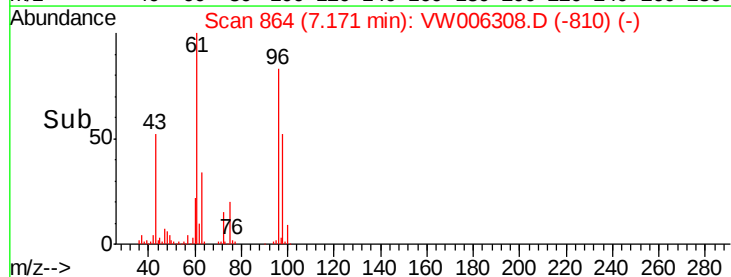
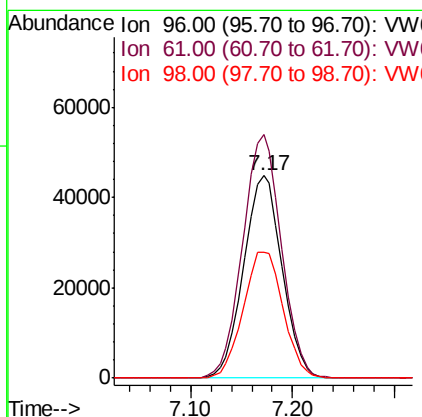
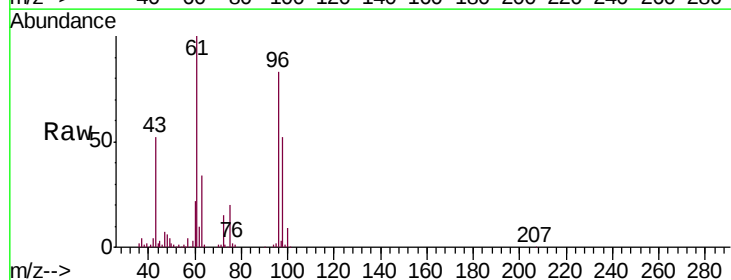
Tgt Ion: 96 Resp: 117604

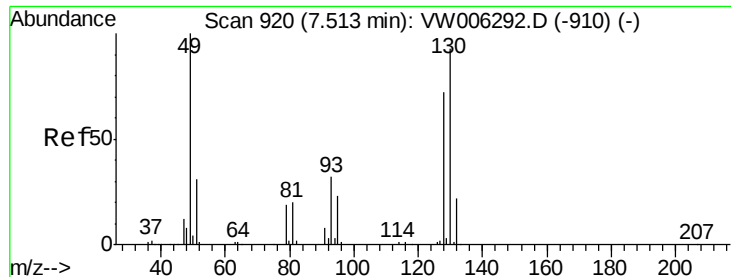
Ion Ratio Lower Upper

96 100

61 120.5 85.1 158.1

98 62.6 46.3 86.1

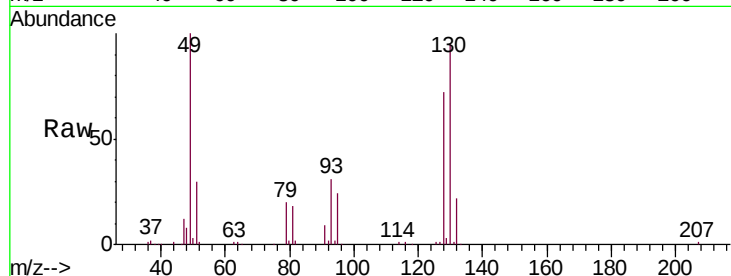




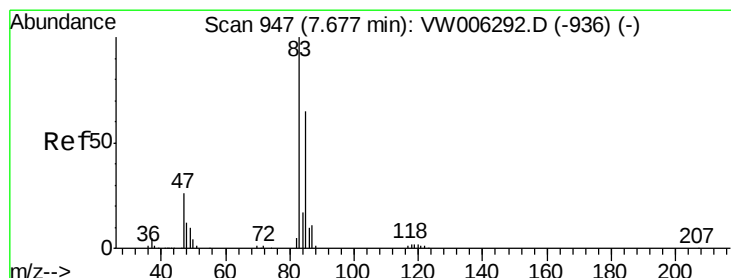
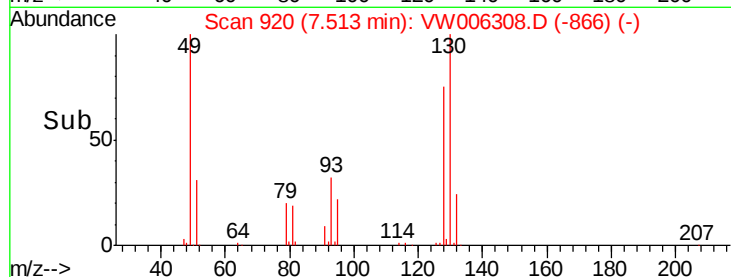
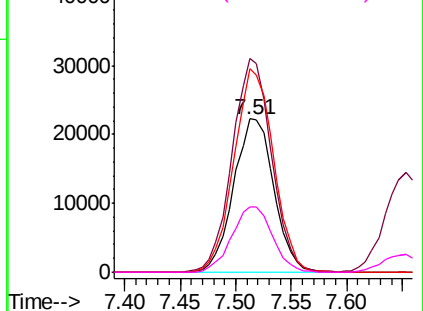
#23
 Bromochloromethane
 Concen: 26.005 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:128 Resp: 55919
 Ion Ratio Lower Upper
 128 100
 49 139.4 95.2 176.8
 130 133.0 86.3 160.3
 51 42.4 33.8 50.8

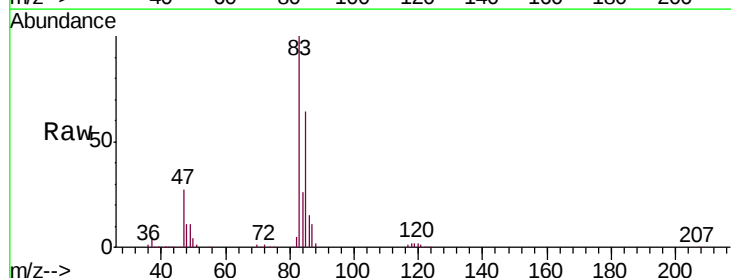


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

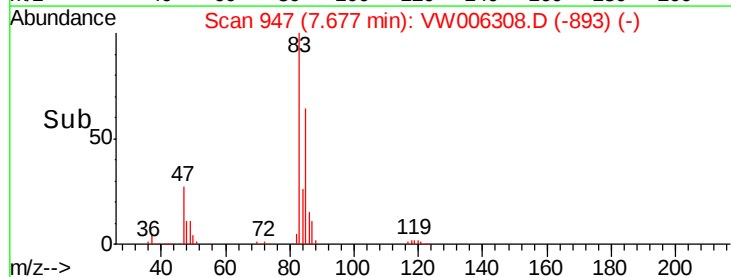
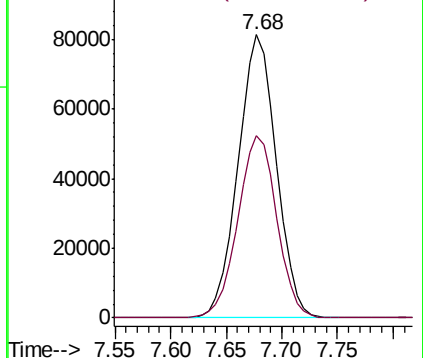


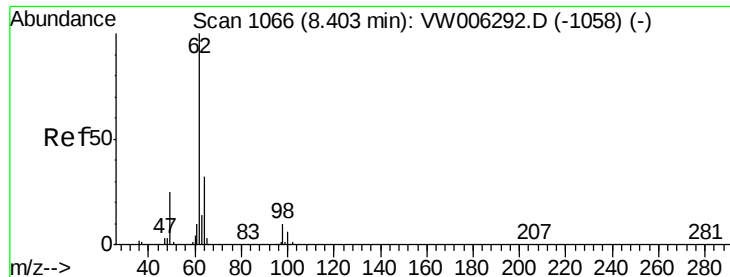
#25
 Chloroform
 Concen: 26.563 ug/L
 RT: 7.68 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Tgt Ion: 83 Resp: 193928
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 26.869 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

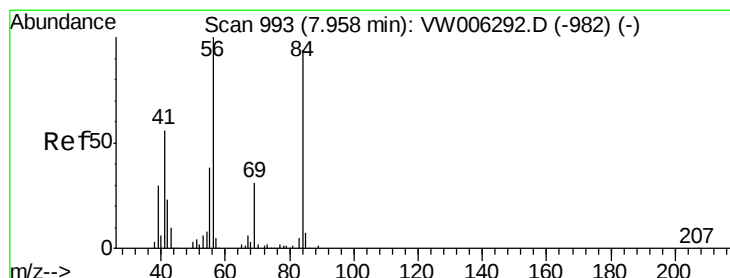
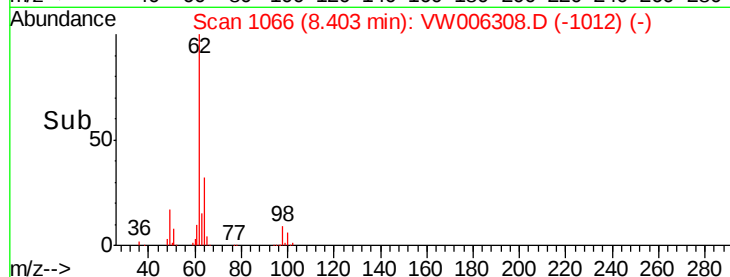
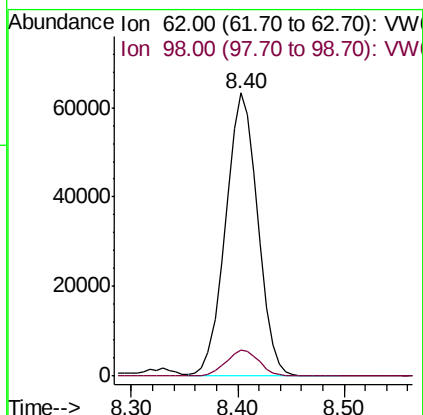
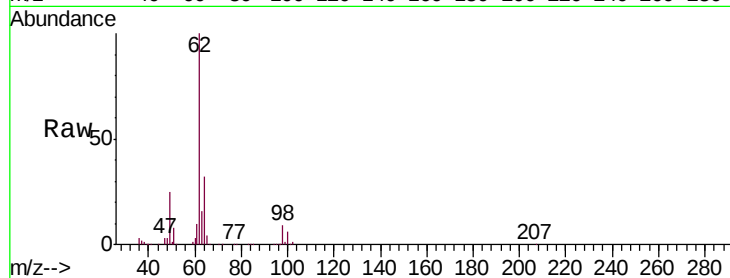
VSTD02503

Tgt Ion: 62 Resp: 133710

Ion Ratio Lower Upper

62 100

98 9.3 8.0 12.0



#30

Cyclohexane

Concen: 25.907 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

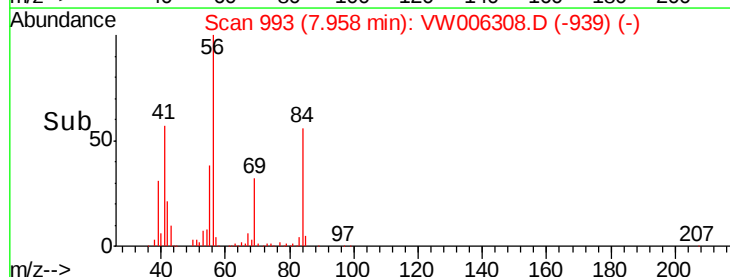
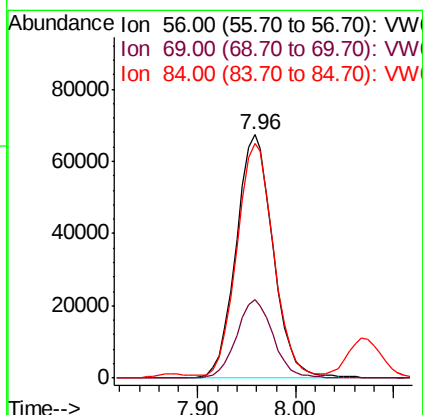
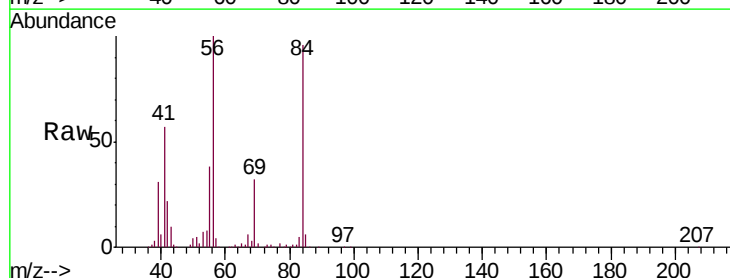
Tgt Ion: 56 Resp: 176405

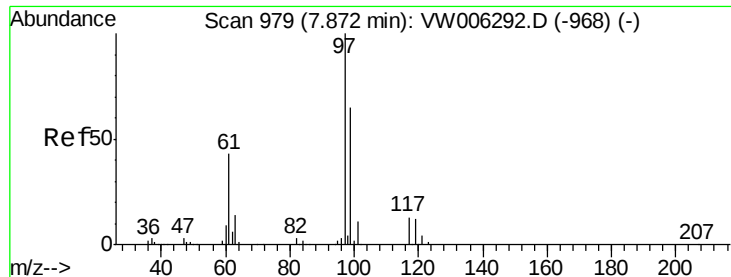
Ion Ratio Lower Upper

56 100

69 32.0 25.4 38.0

84 96.4 73.9 110.9





#31

1,1,1-Trichloroethane

Concen: 26.615 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

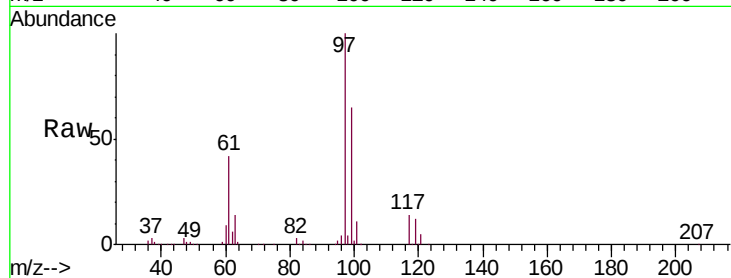
Tgt Ion: 97 Resp: 172544

Ion Ratio Lower Upper

97 100

99 65.1 51.0 76.4

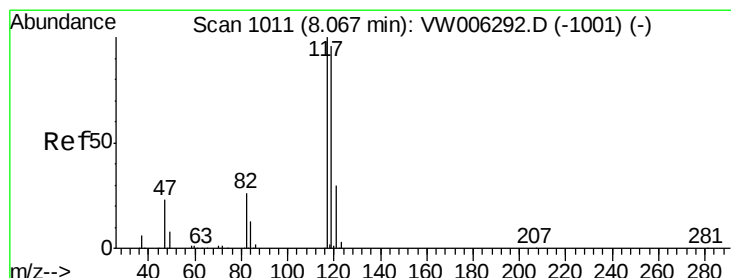
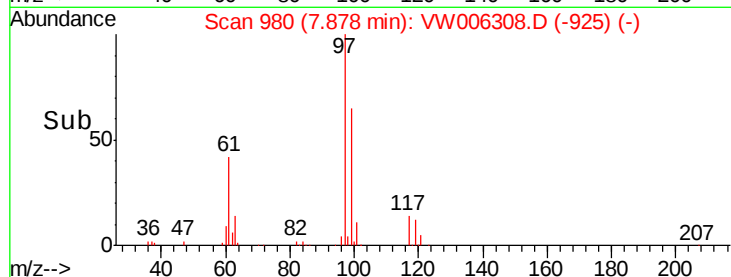
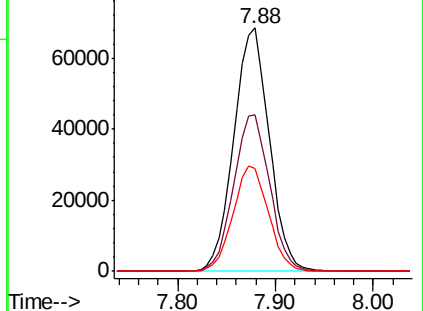
61 43.2 33.6 50.4



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: 26.411 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW006308.D

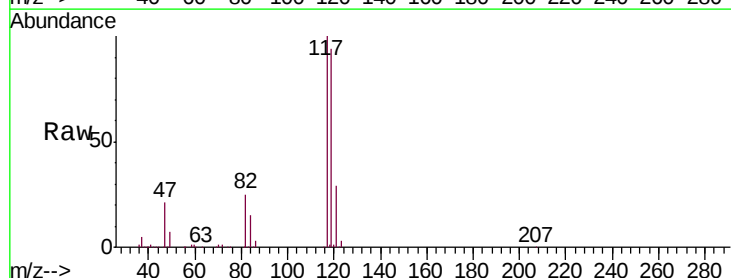
Acq: 23 Oct 2018 21:34

Tgt Ion: 117 Resp: 167918

Ion Ratio Lower Upper

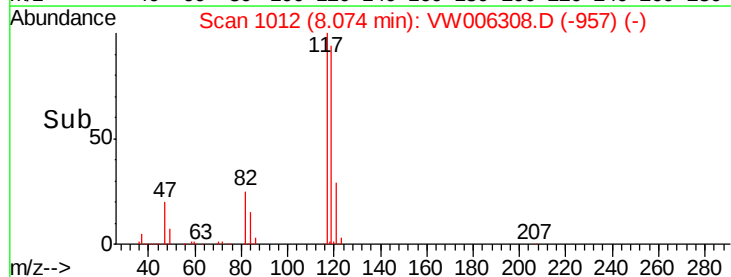
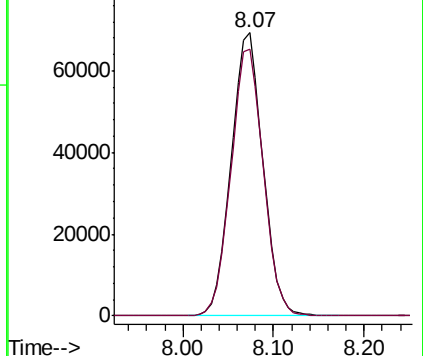
117 100

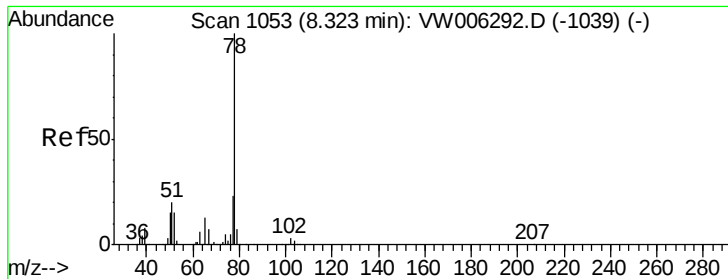
119 96.1 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 26.525 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

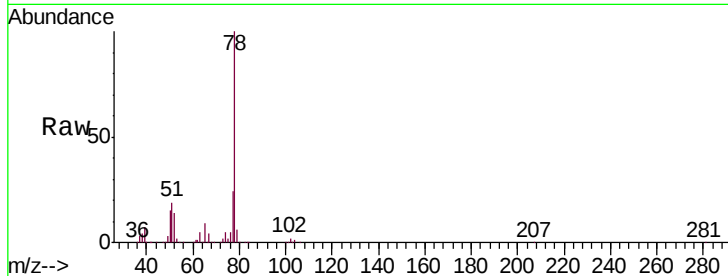
Instrument :

MSVOA_W

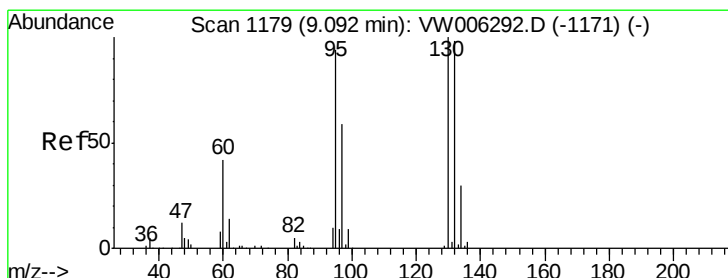
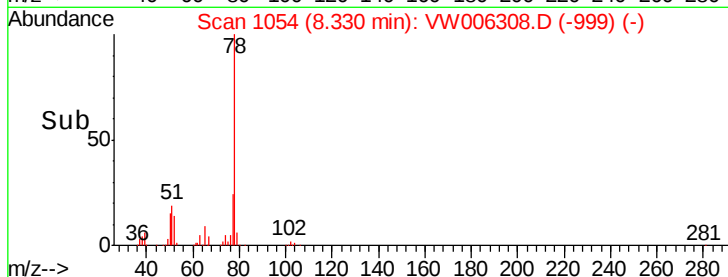
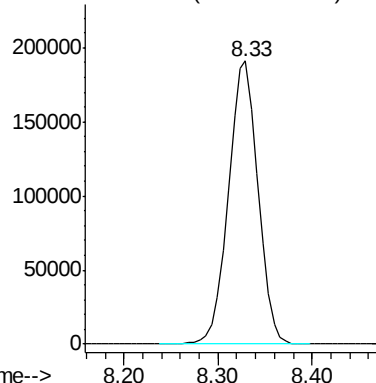
ClientSampleId :

VSTD02503

Tgt Ion: 78 Resp: 421855



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.900 ug/L

RT: 9.09 min Scan# 1179

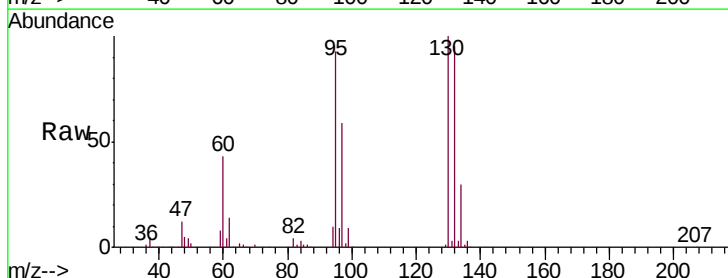
Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Tgt Ion: 95 Resp: 120371

Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.8	85.0
132	105.0	72.9	135.3
130	108.3	75.8	140.8

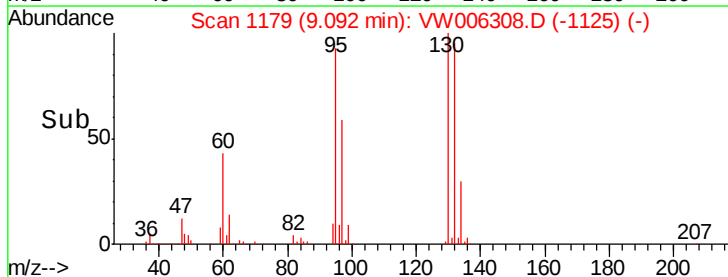
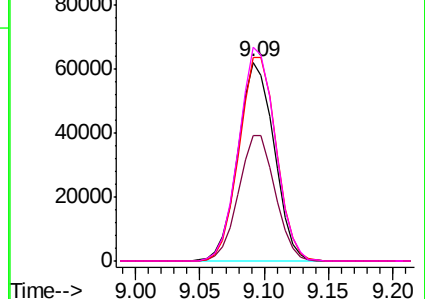


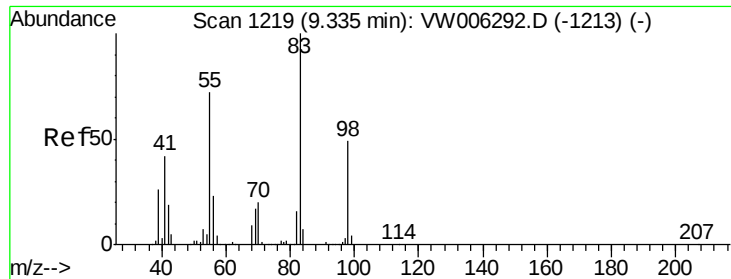
Abundance Ion 95.00 (94.70 to 95.70): VW

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

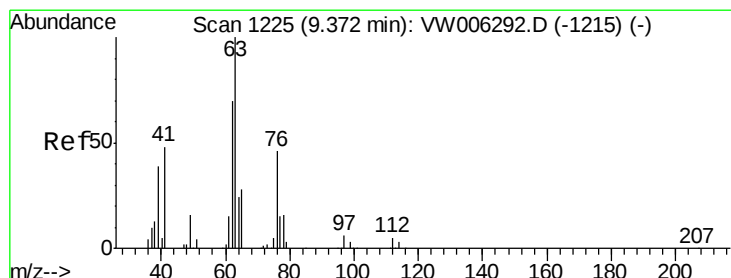
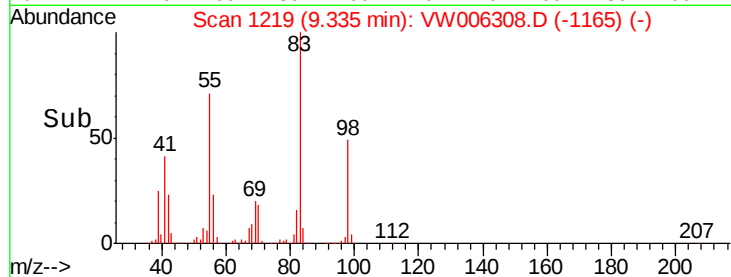
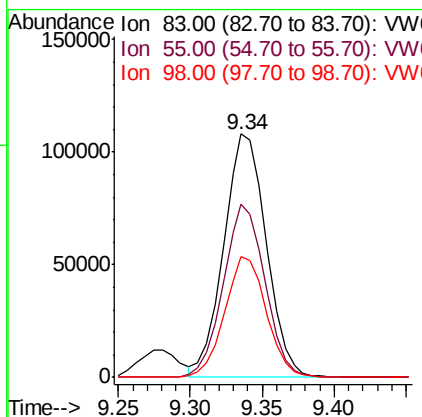
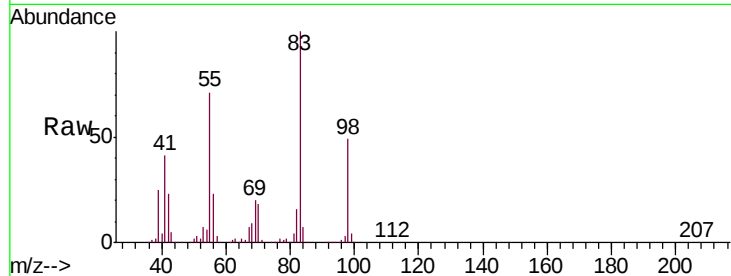




#36
Methylcyclohexane
Concen: 27.201 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006308.D
Acq: 23 Oct 2018 21:34

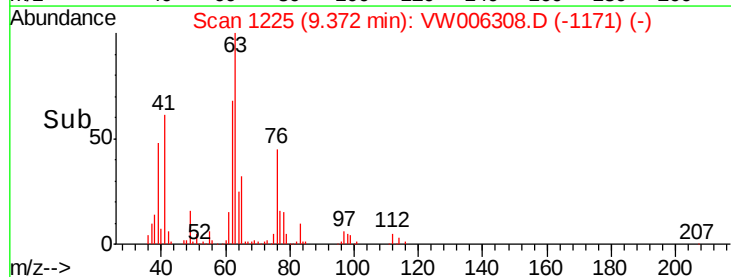
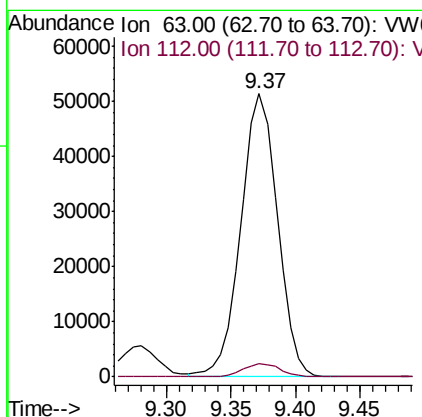
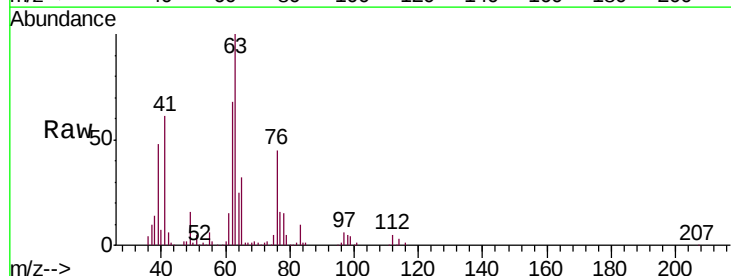
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

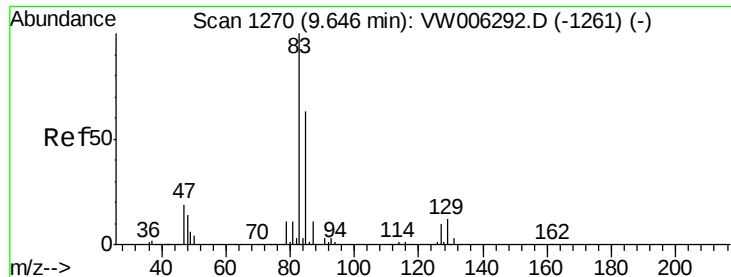
Tgt Ion: 83 Resp: 223017
Ion Ratio Lower Upper
83 100
55 69.5 57.1 85.7
98 48.4 38.9 58.3



#40
1,2-Dichloropropane
Concen: 25.684 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW006308.D
Acq: 23 Oct 2018 21:34

Tgt Ion: 63 Resp: 101330
Ion Ratio Lower Upper
63 100
112 4.7 3.5 5.3





#41

Bromodichloromethane

Concen: 24.541 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

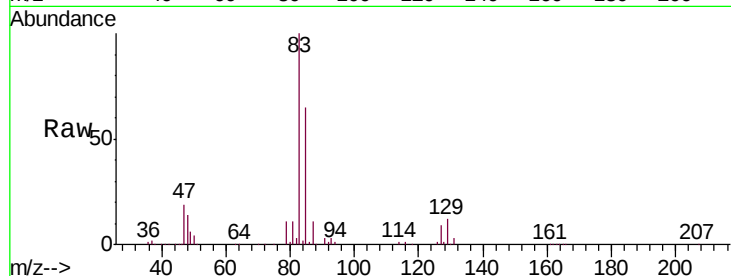
Tgt Ion: 83 Resp: 130746

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

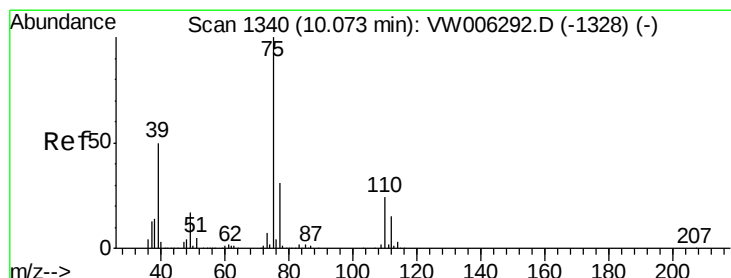
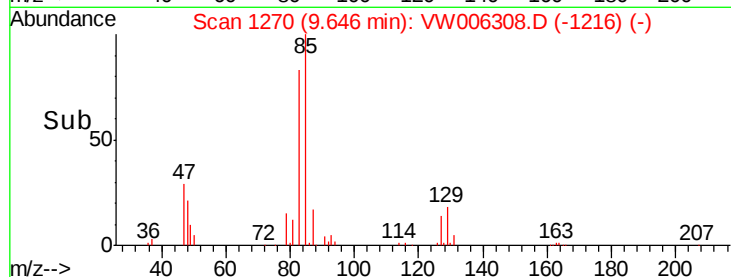
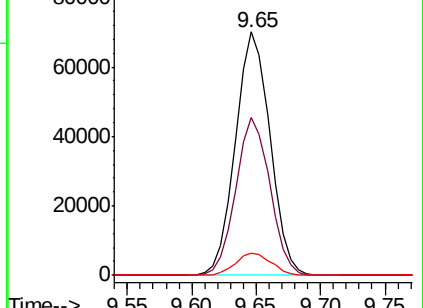
127 9.1 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 24.247 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006308.D

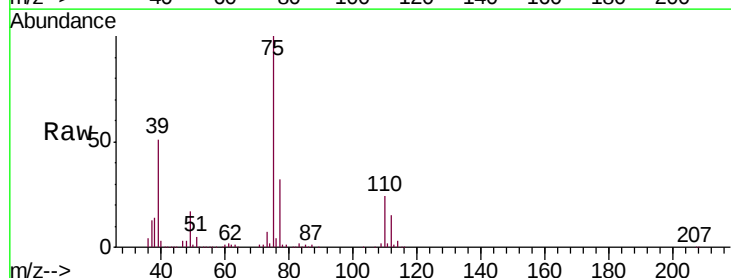
Acq: 23 Oct 2018 21:34

Tgt Ion: 75 Resp: 156245

Ion Ratio Lower Upper

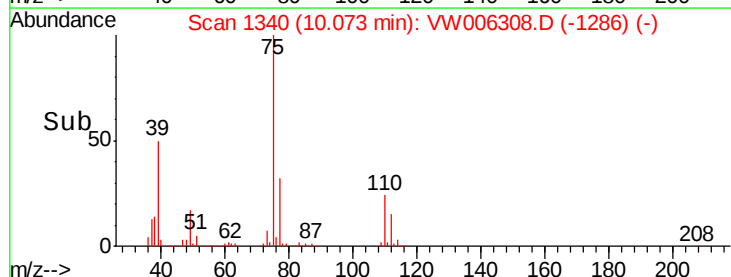
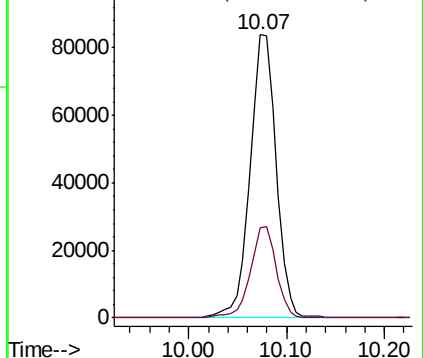
75 100

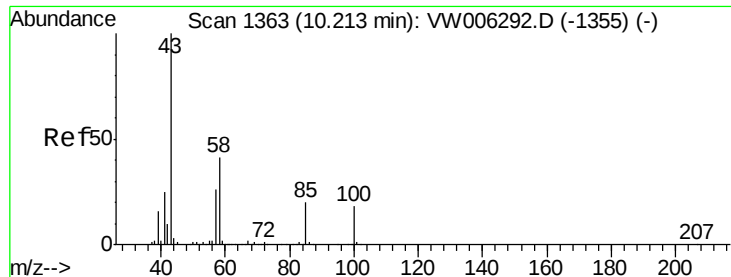
77 31.9 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

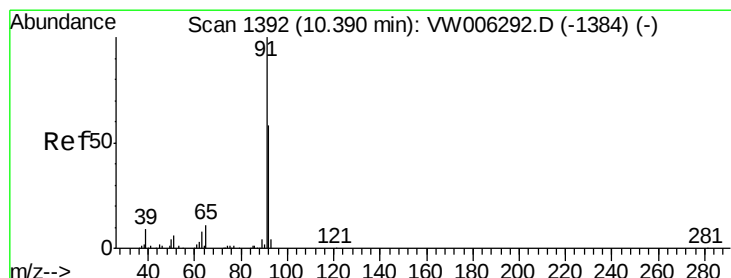
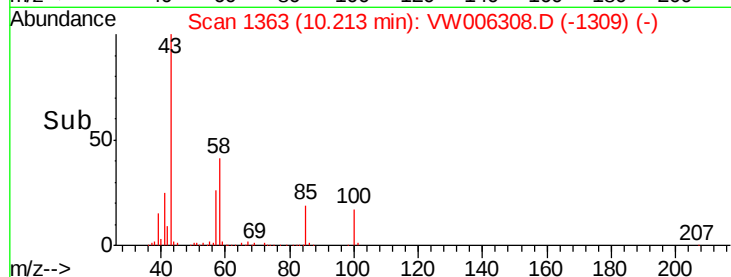
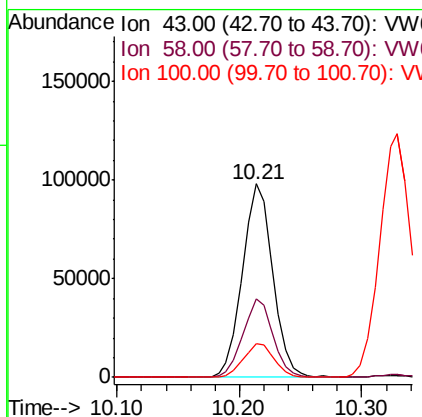
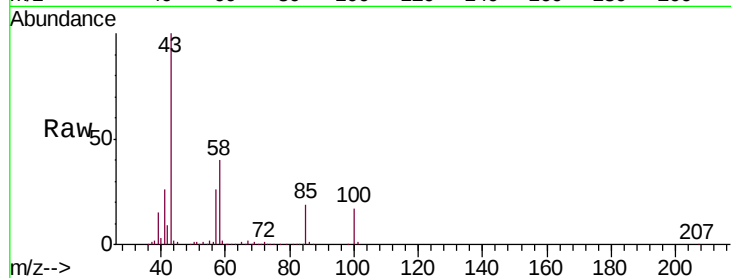




#43
 4-Methyl-2-pentanone
 Concen: 53.631 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

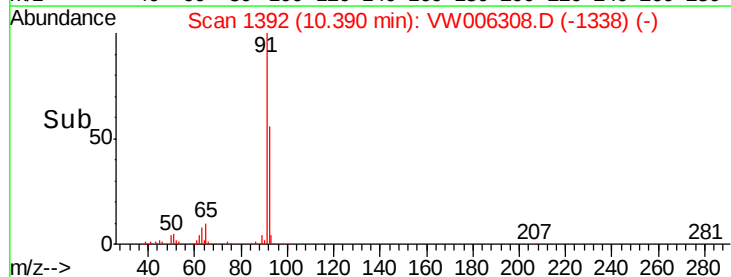
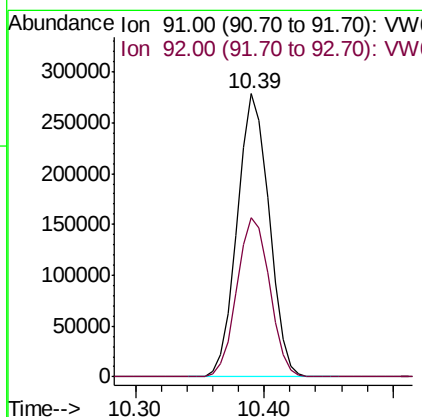
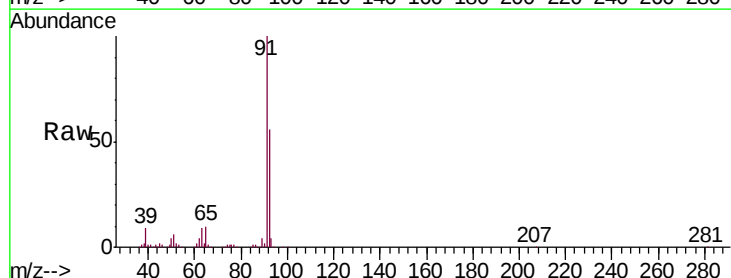
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

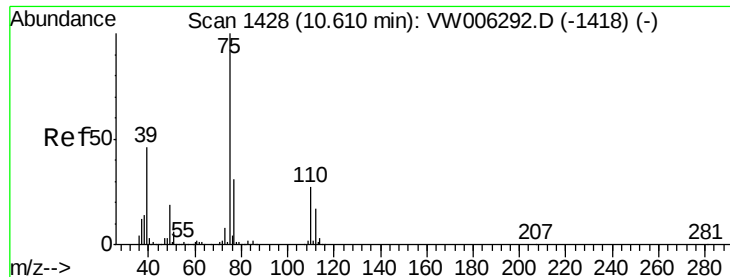
Tgt Ion: 43 Resp: 169550
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.4 47.2
 100 17.6 13.3 19.9



#44
 Toluene
 Concen: 26.834 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Tgt Ion: 91 Resp: 479197
 Ion Ratio Lower Upper
 91 100
 92 56.1 40.4 75.0





#45

trans-1,3-Dichloropropene

Concen: 24.783 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

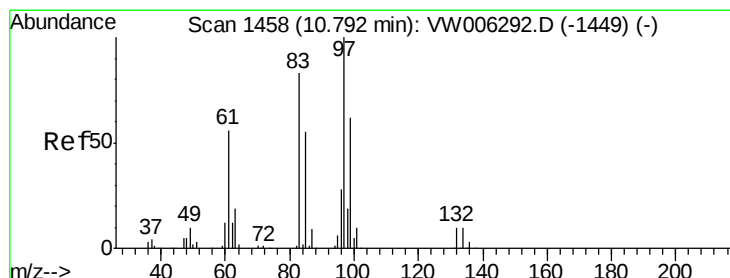
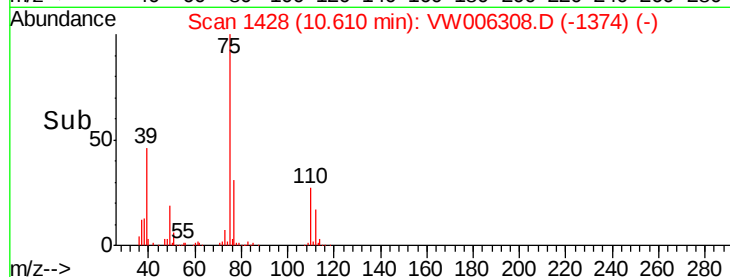
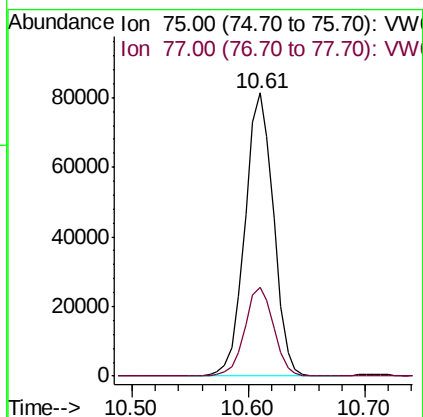
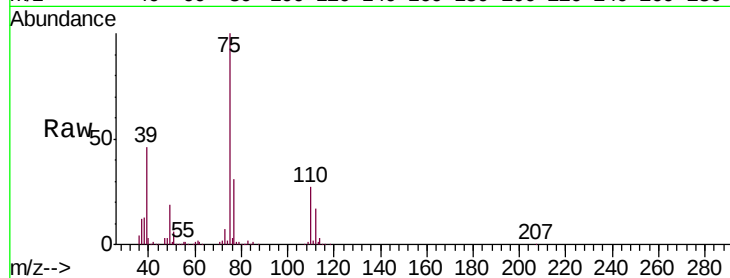
VSTD02503

Tgt Ion: 75 Resp: 139497

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6



#46

1,1,2-Trichloroethane

Concen: 27.246 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Tgt Ion: 97 Resp: 89513

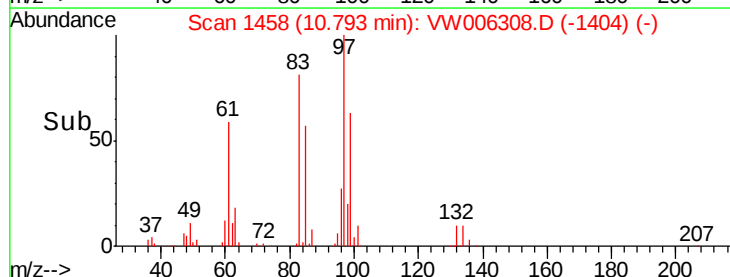
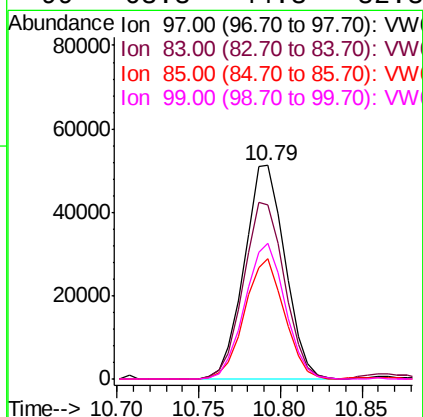
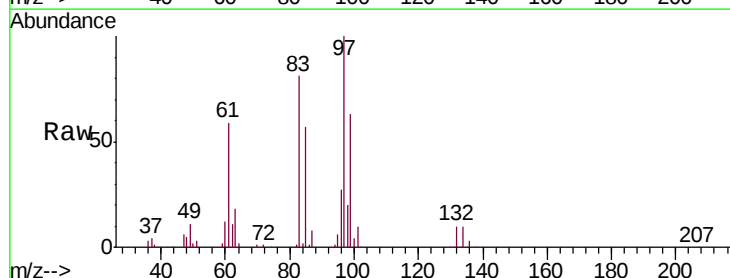
Ion Ratio Lower Upper

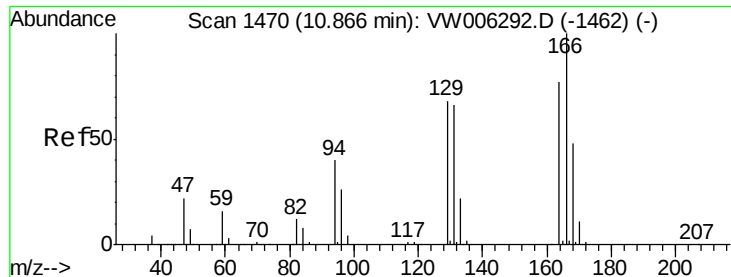
97 100

83 81.4 60.0 111.4

85 56.5 38.7 71.9

99 63.3 44.3 82.3





#47

Tetrachloroethene

Concen: 27.556 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion:164 Resp: 114142

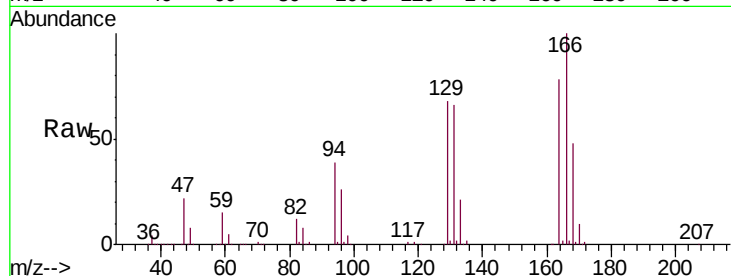
Ion Ratio Lower Upper

164 100

129 87.6 65.4 121.4

131 84.7 63.8 118.4

166 128.9 92.3 171.3

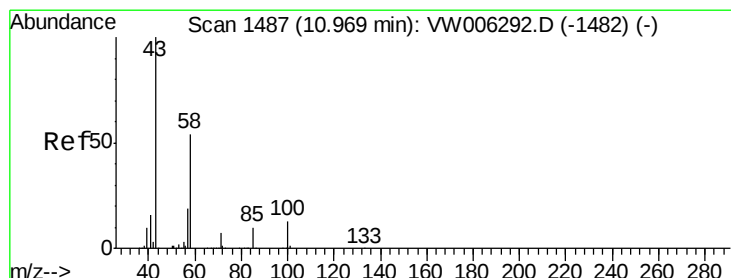
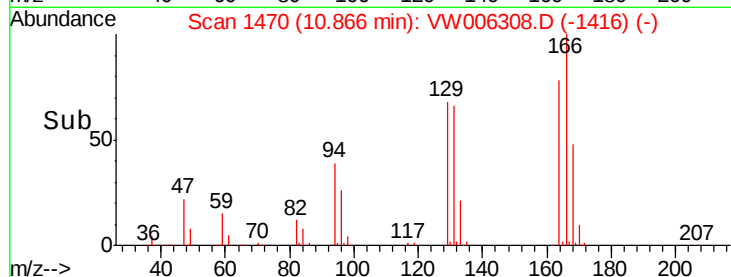
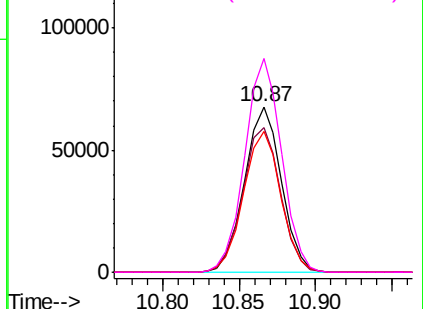


Abundance Ion 164.00 (163.70 to 164.70): V

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: 55.650 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Tgt Ion: 43 Resp: 129660

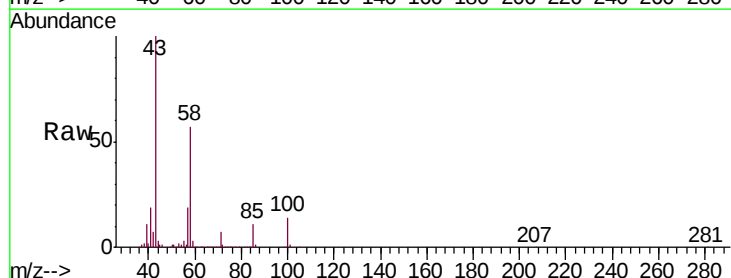
Ion Ratio Lower Upper

43 100

58 56.7 42.1 63.1

57 19.6 15.1 22.7

100 13.4 9.9 14.9

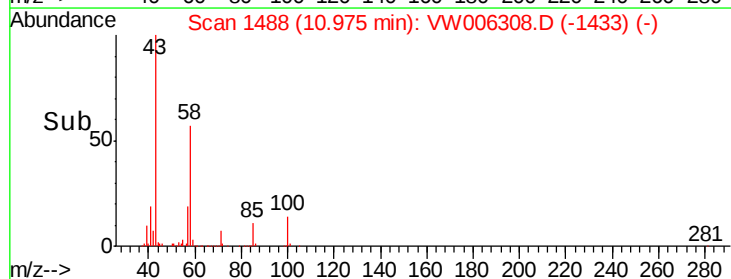
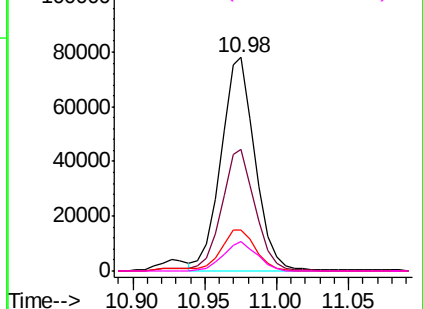


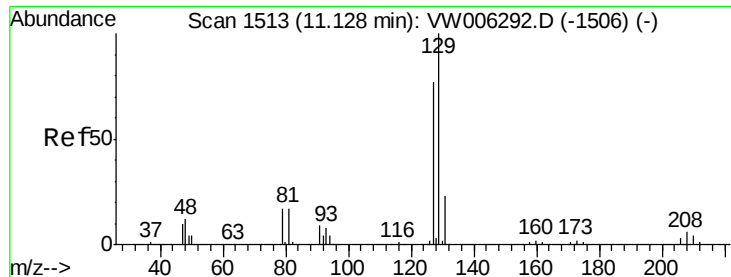
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 24.878 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

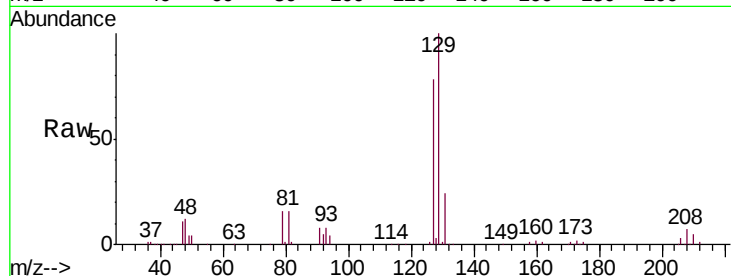
VSTD02503

Tgt Ion:129 Resp: 104763

Ion Ratio Lower Upper

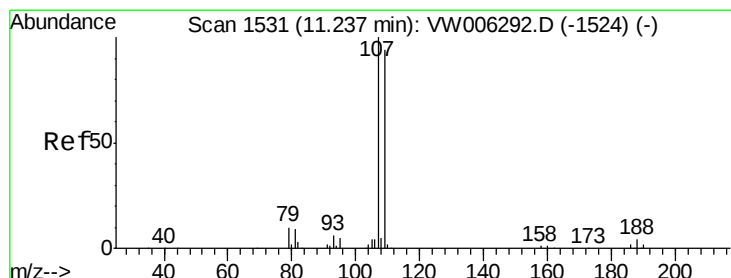
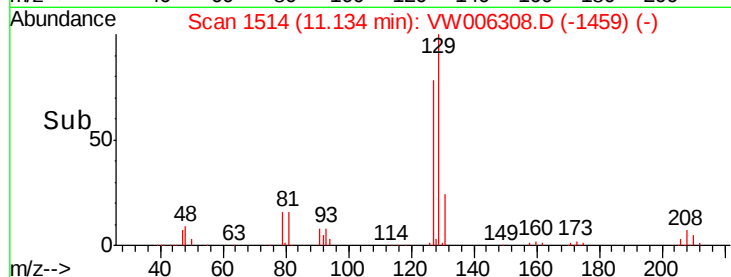
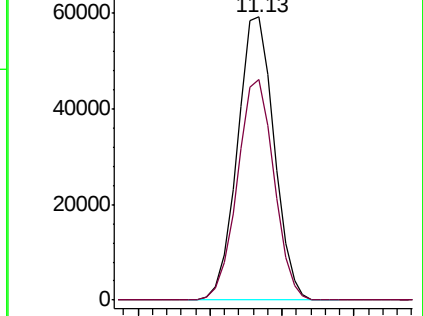
129 100

127 77.7 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 27.195 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

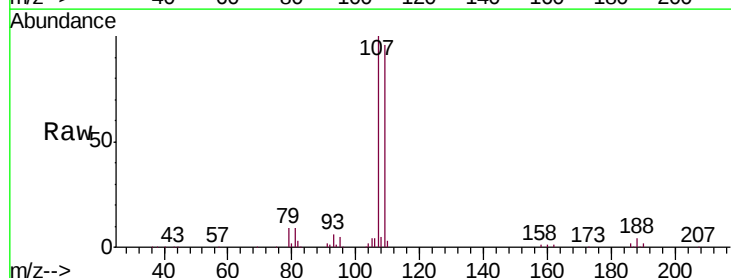
Tgt Ion:107 Resp: 93001

Ion Ratio Lower Upper

107 100

109 96.0 66.6 123.8

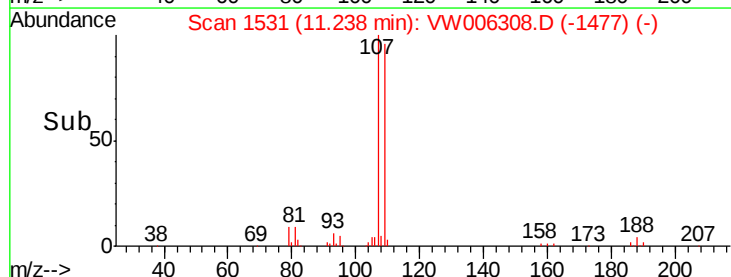
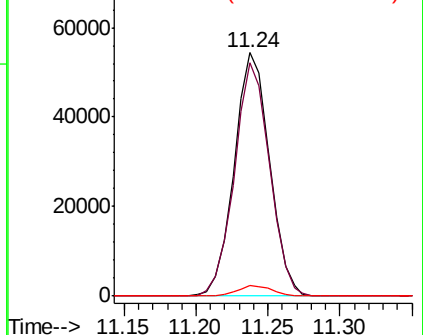
188 4.3 3.4 5.0

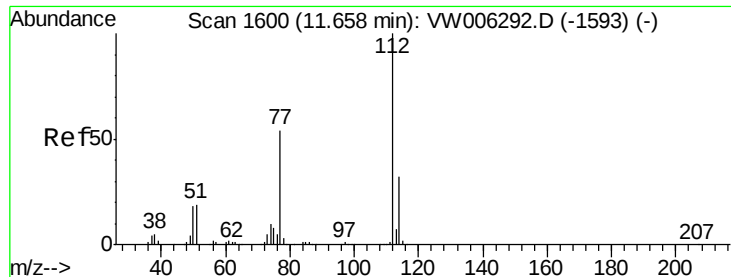


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 26.469 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

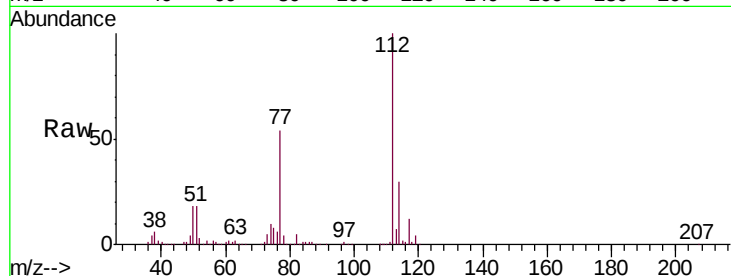
Tgt Ion: 112 Resp: 319882

Ion Ratio Lower Upper

112 100

77 54.5 44.2 66.2

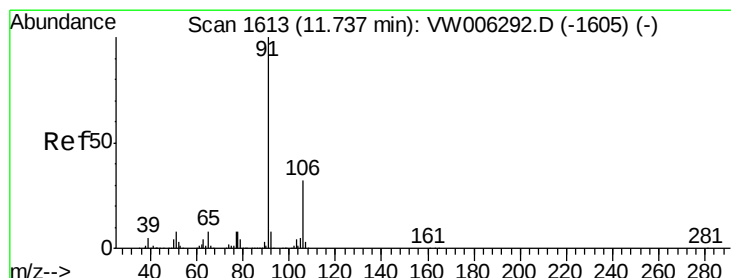
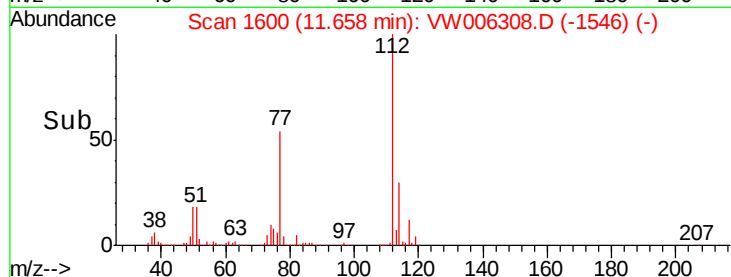
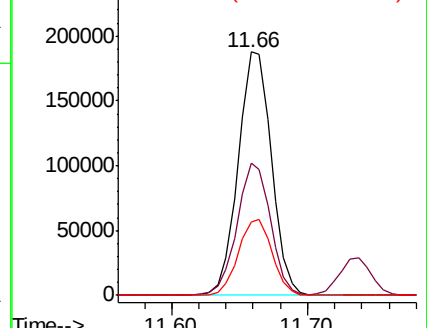
114 30.4 22.1 41.1



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 26.688 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006308.D

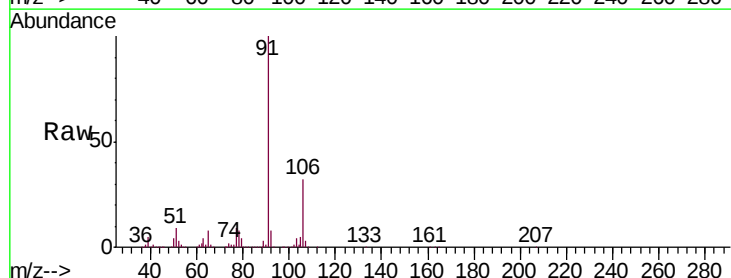
Acq: 23 Oct 2018 21:34

Tgt Ion: 91 Resp: 554851

Ion Ratio Lower Upper

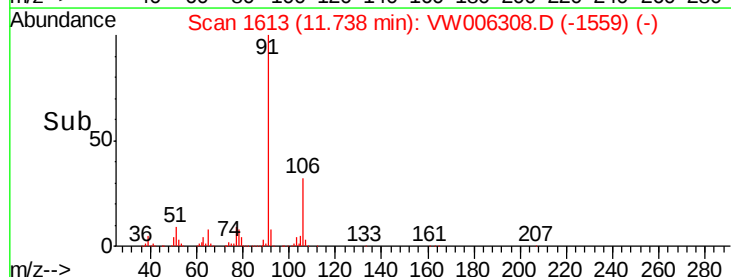
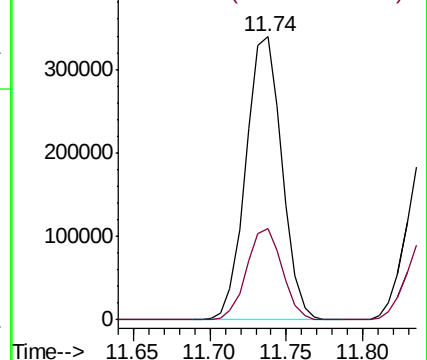
91 100

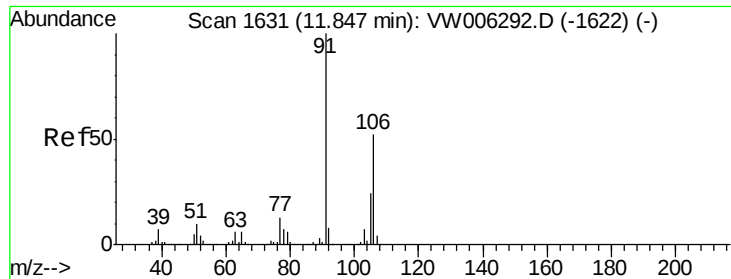
106 32.1 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 26.371 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

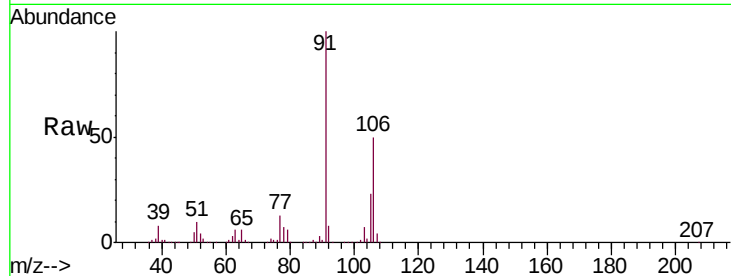
VSTD02503

Tgt Ion:106 Resp: 214900

Ion Ratio Lower Upper

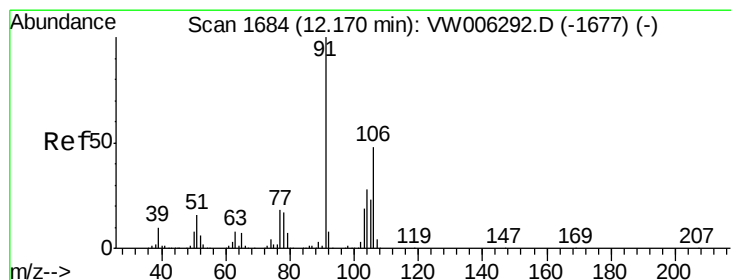
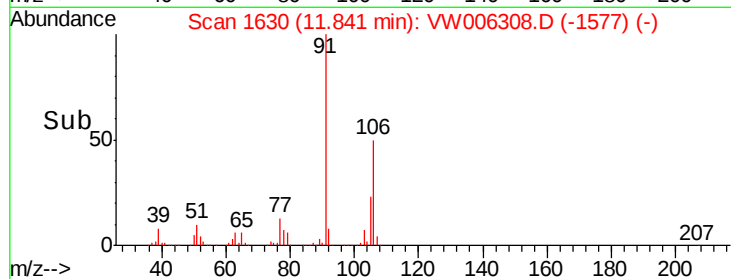
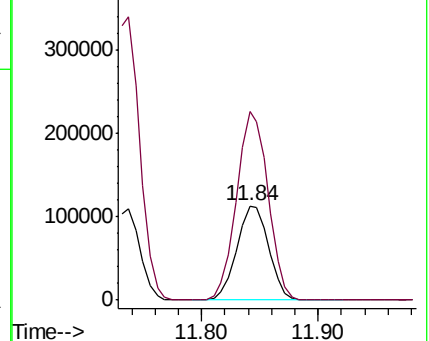
106 100

91 200.5 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 26.628 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW006308.D

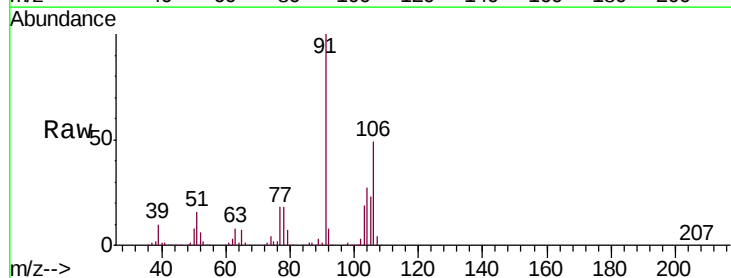
Acq: 23 Oct 2018 21:34

Tgt Ion:106 Resp: 207190

Ion Ratio Lower Upper

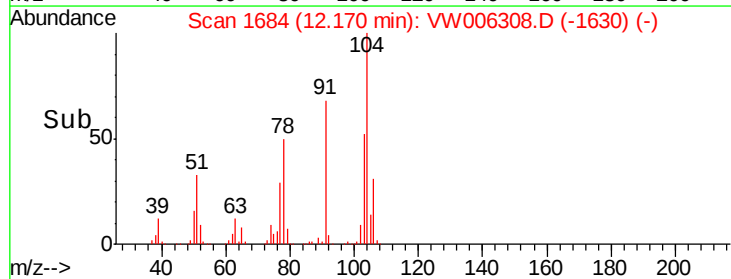
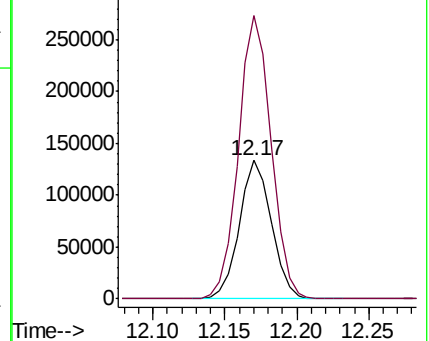
106 100

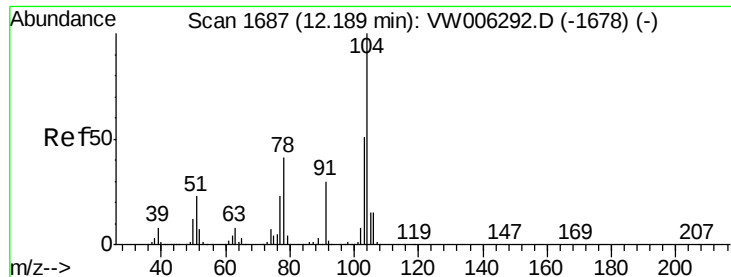
91 204.2 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 26.218 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

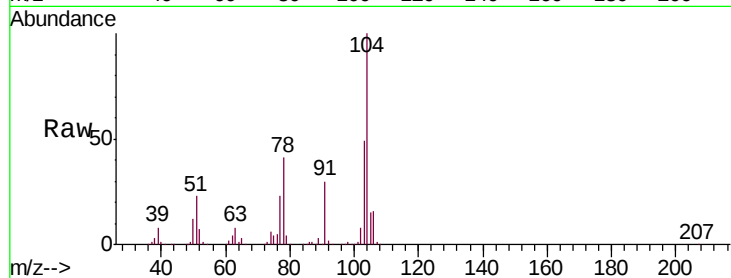
VSTD02503

Tgt Ion:104 Resp: 351306

Ion Ratio Lower Upper

104 100

78 41.0 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.19

200000

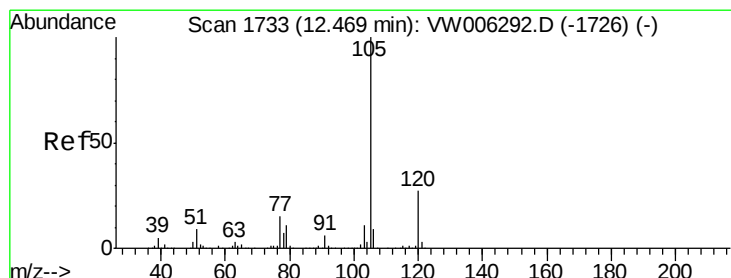
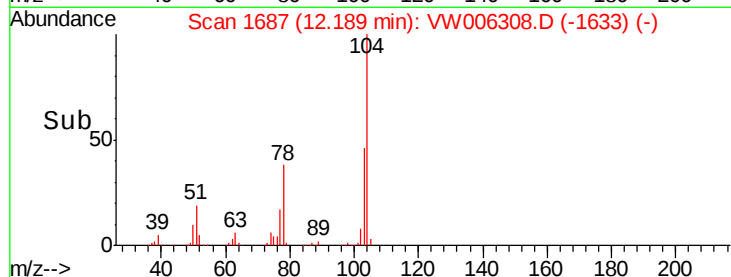
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 27.073 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

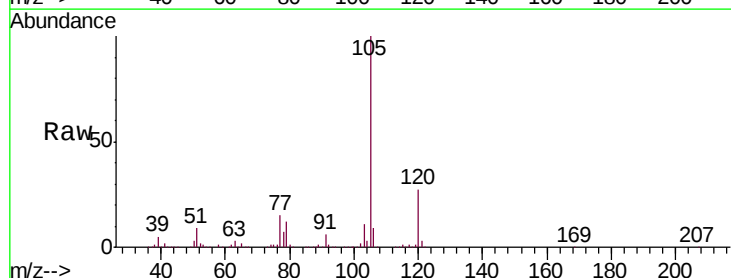
Tgt Ion:105 Resp: 586144

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

77 15.0 12.2 18.2



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

12.47

500000

400000

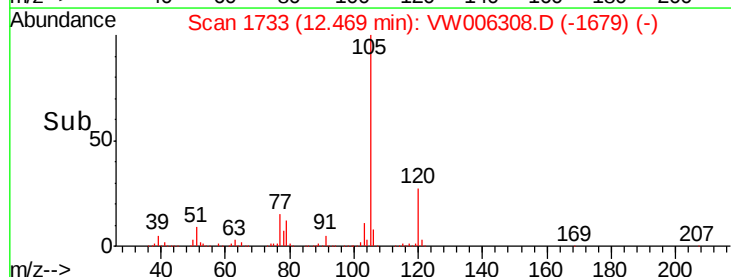
300000

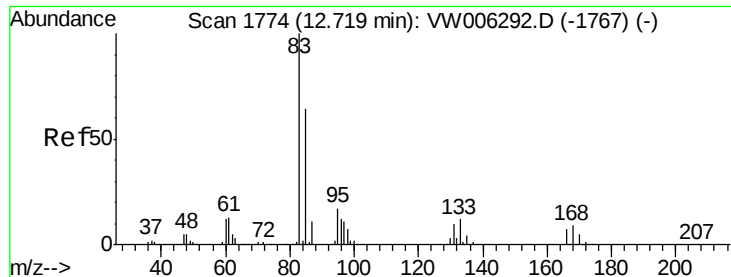
200000

100000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 29.380 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

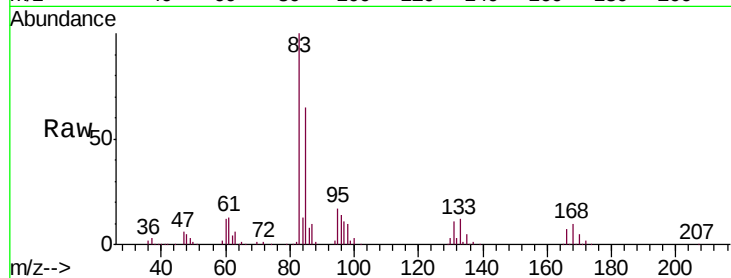
Tgt Ion: 83 Resp: 125439

Ion Ratio Lower Upper

83 100

85 65.1 44.8 83.2

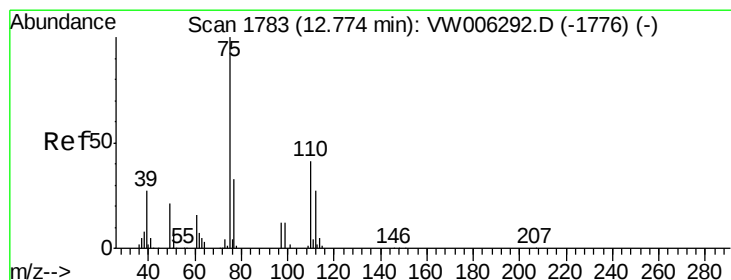
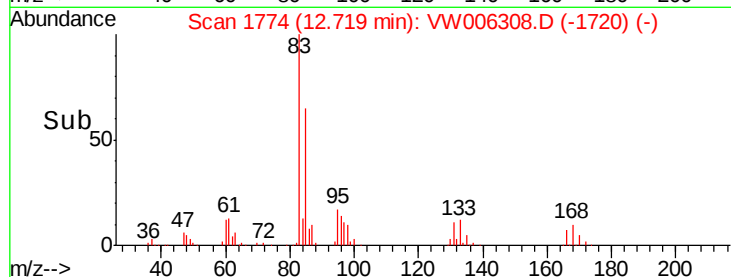
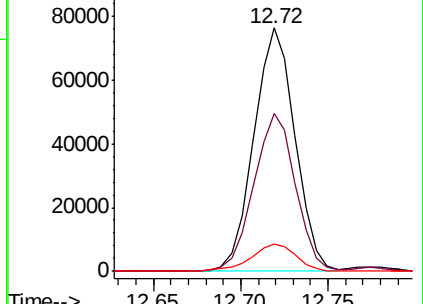
131 11.2 9.0 13.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



#59

1,2,3-Trichloropropane

Concen: 29.822 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006308.D

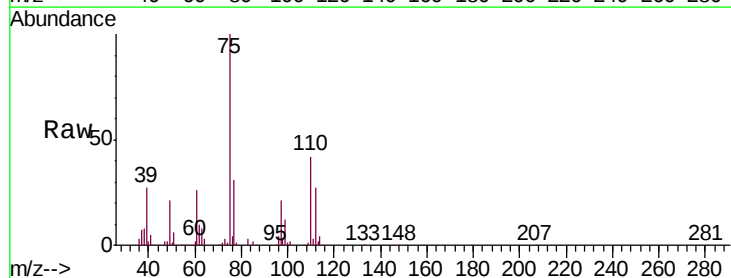
Acq: 23 Oct 2018 21:34

Tgt Ion: 75 Resp: 94998

Ion Ratio Lower Upper

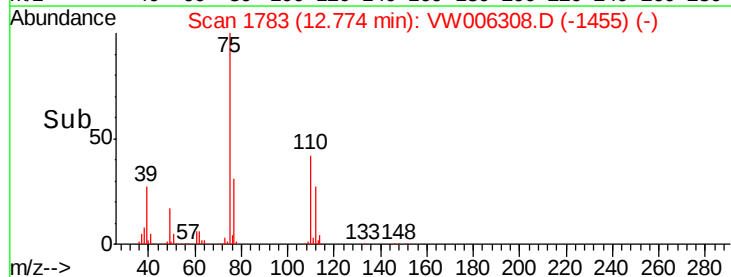
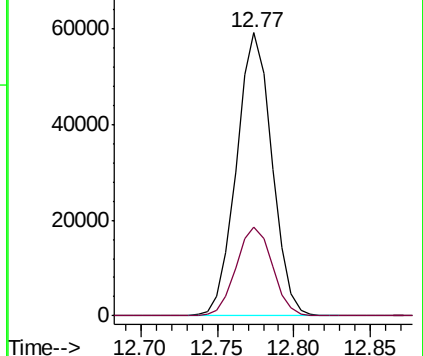
75 100

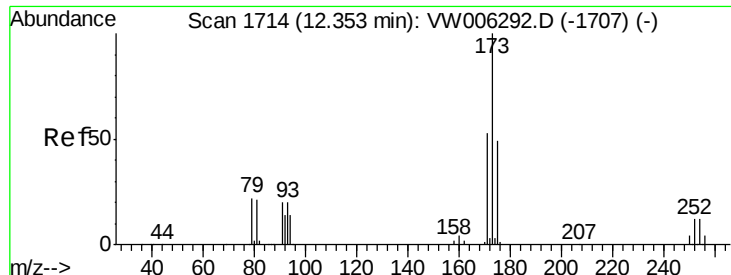
77 32.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 25.047 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

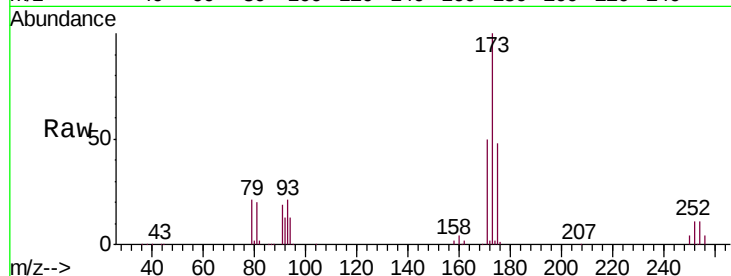
Tgt Ion:173 Resp: 71453

Ion Ratio Lower Upper

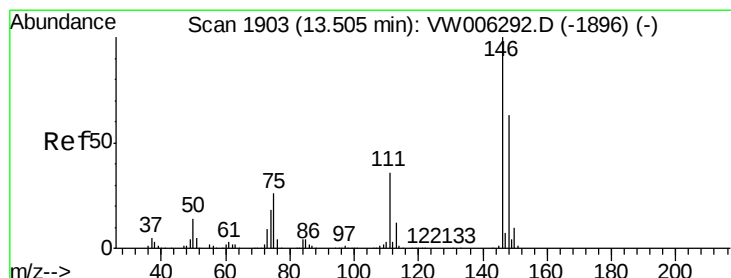
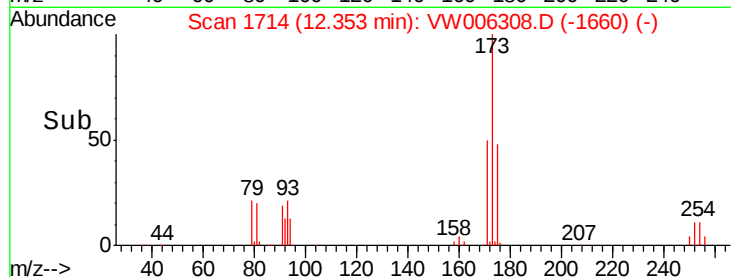
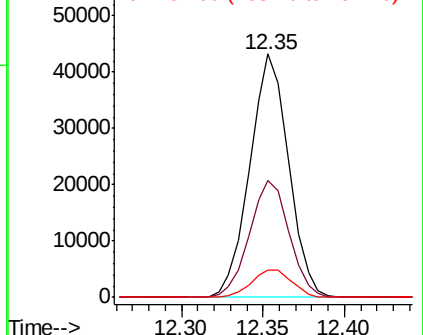
173 100

175 49.1 39.1 58.7

254 11.7 9.2 13.8



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 26.097 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

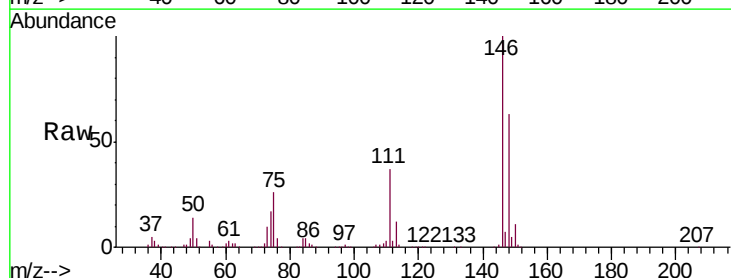
Tgt Ion:146 Resp: 272846

Ion Ratio Lower Upper

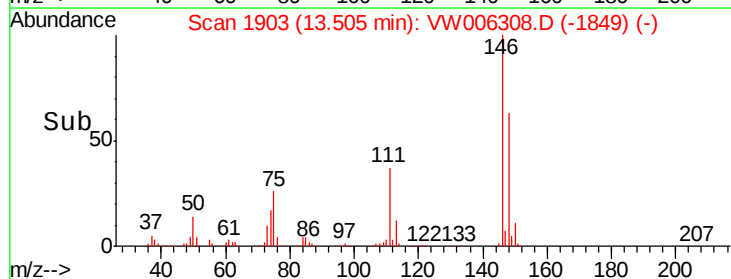
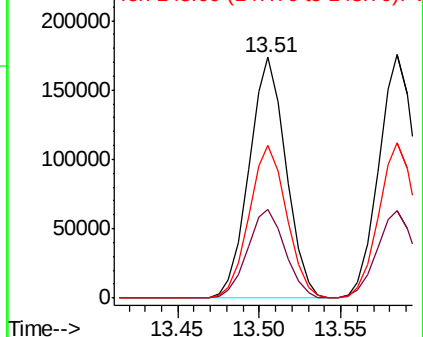
146 100

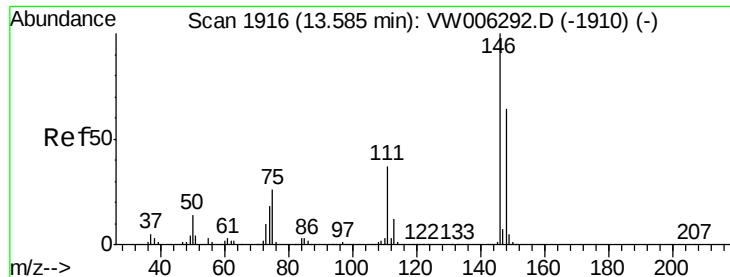
111 36.9 26.3 48.9

148 63.5 44.7 82.9



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

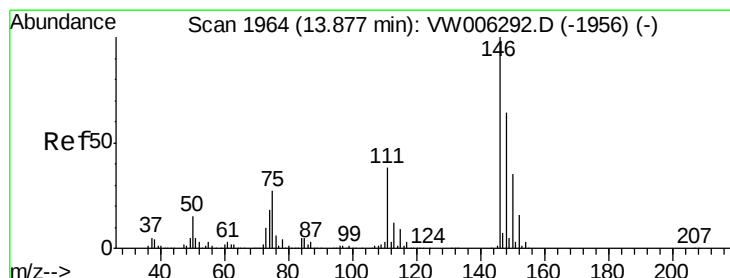
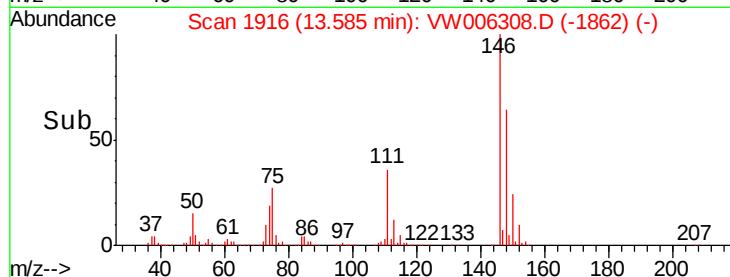
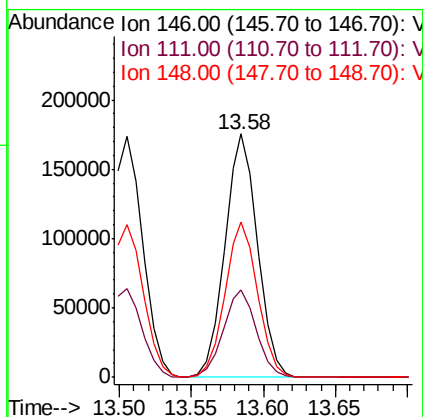
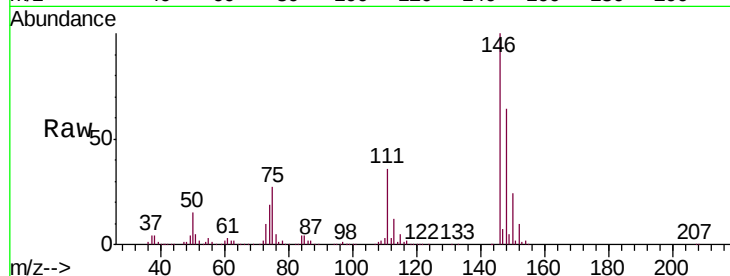




#64
 1,4-Dichlorobenzene
 Concen: 26.296 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

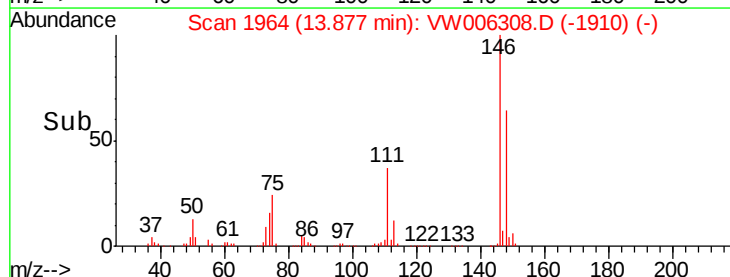
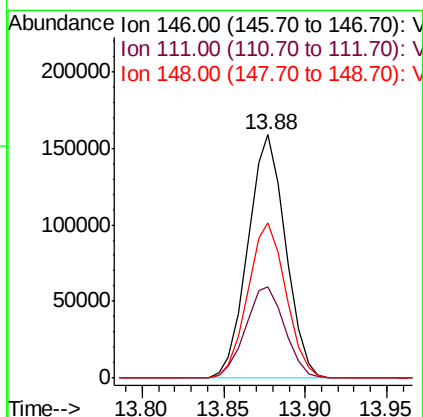
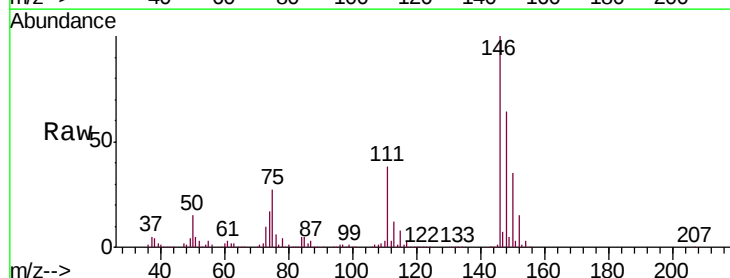
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

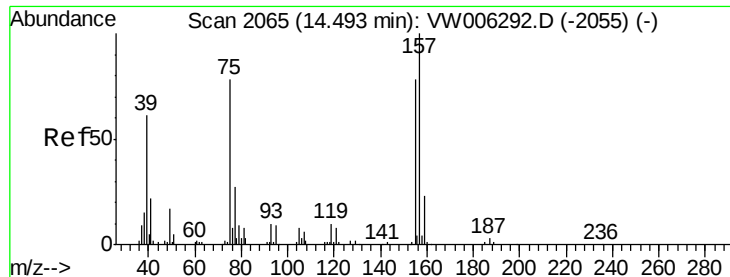
Tgt Ion:146 Resp: 276857
 Ion Ratio Lower Upper
 146 100
 111 36.0 24.7 45.9
 148 63.9 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 26.518 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Tgt Ion:146 Resp: 255049
 Ion Ratio Lower Upper
 146 100
 111 37.7 31.1 46.7
 148 63.9 51.2 76.8





#66

1,2-Dibromo-3-chloropropane

Concen: 28.882 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

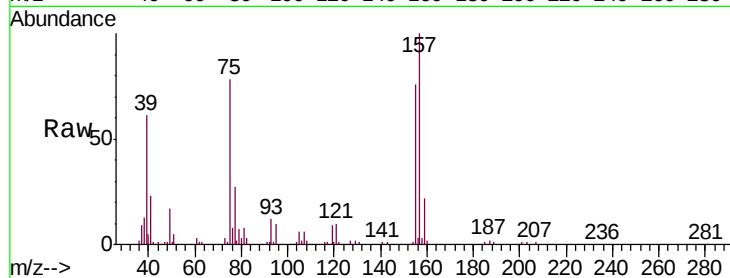
Tgt Ion: 75 Resp: 22360

Ion Ratio Lower Upper

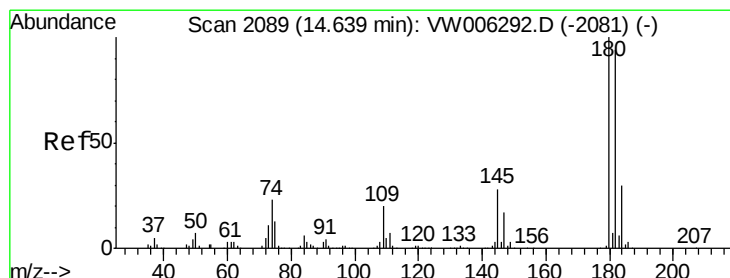
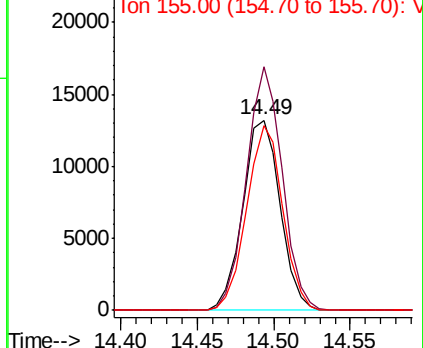
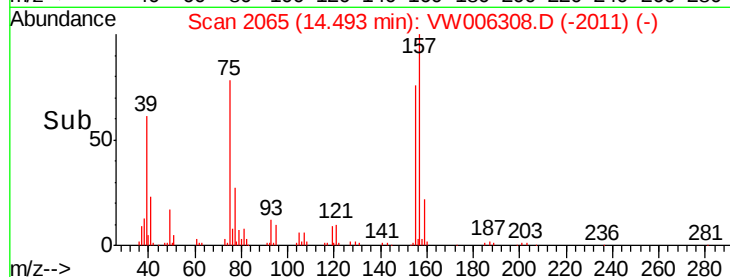
75 100

157 128.0 106.8 160.2

155 97.4 79.2 118.8



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 26.453 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.01 min

Lab File: VW006308.D

Acq: 23 Oct 2018 21:34

Tgt Ion: 180 Resp: 222939

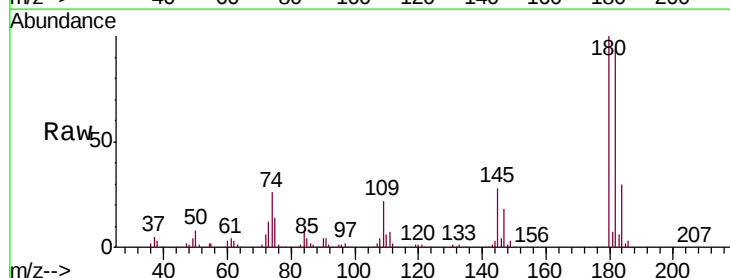
Ion Ratio Lower Upper

180 100

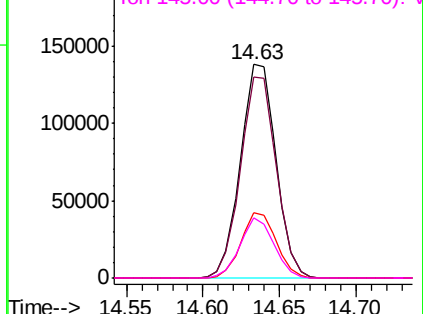
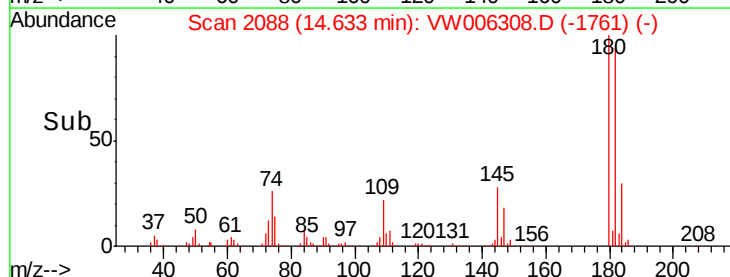
182 94.6 76.0 114.0

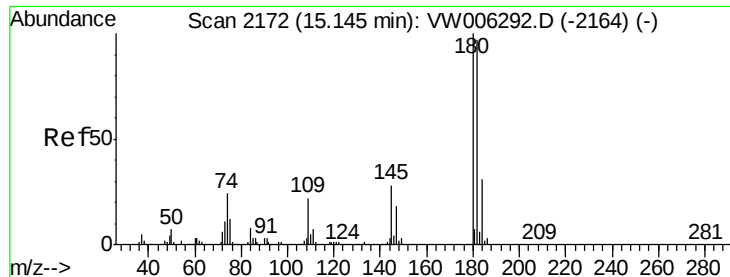
184 30.4 24.3 36.5

145 27.1 22.6 33.8



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

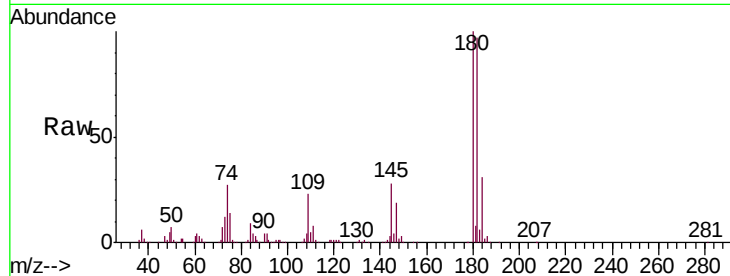




#68
 1,2,4-trichlorobenzene
 Concen: 25.946 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	28.3	23.0	34.6

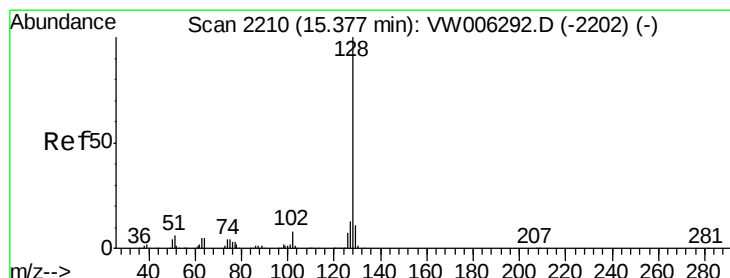
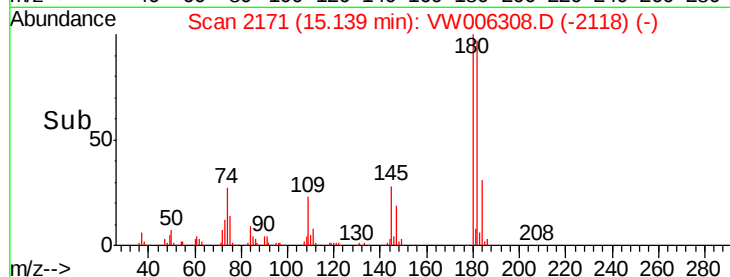
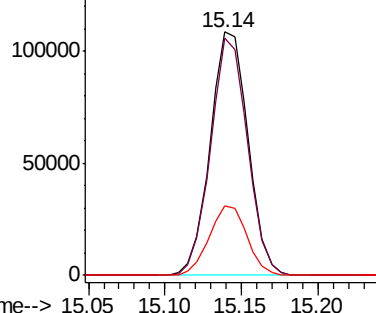


Abundance

Ion 180.00 (179.70 to 180.70): V

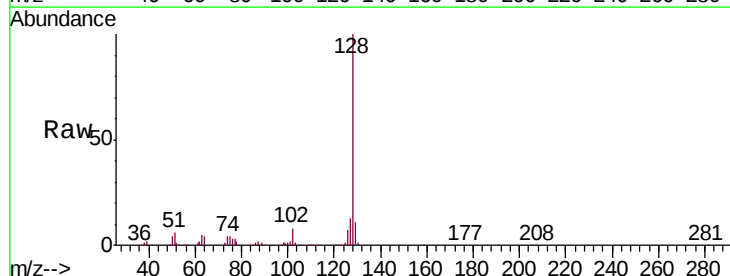
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 28.069 ug/L
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.1	10.5	15.7

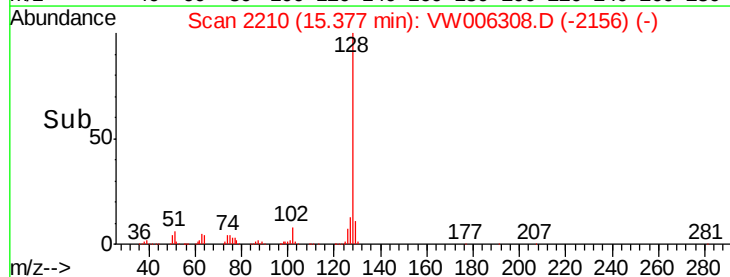
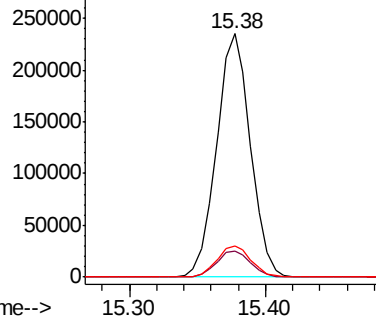


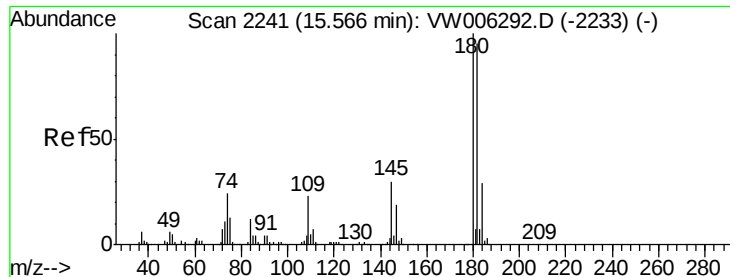
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

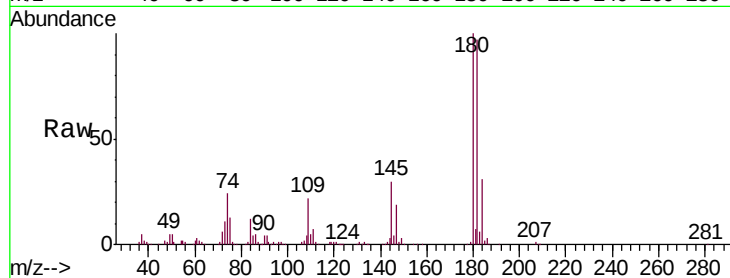




#70
 1,2,3-Trichlorobenzene
 Concen: 26.646 ug/L
 RT: 15.57 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW006308.D
 Acq: 23 Oct 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:180 Resp: 172029
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.5 113.3
 145 29.8 24.5 36.7



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

