

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070618\
 Data File : VW003745.D
 Acq On : 06 Jul 2018 19:45
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Quant Time: Jul 07 00:15:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 15:27:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	363833	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	344109	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	176380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102051	20.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.00%
7) Chloroethane-d5	2.89	69	66546	17.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.76%
10) 1,1-Dichloroethene-d2	4.01	63	212816	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.32%
20) 2-Butanone-d5	7.08	46	77471	49.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.44%
24) Chloroform-d	7.65	84	211941	21.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.68%
26) 1,2-Dichloroethane-d4	8.31	65	127258	21.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.56%
29) Benzene-d6	8.28	84	400519	22.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.20%
33) 1,2-Dichloropropane-d6	9.28	67	127137	21.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.00%
37) Toluene-d8	10.33	98	382805	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.76%
38) trans-1,3-Dichloropropene-	10.58	79	59800	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.32%
39) 2-Hexanone-d5	10.93	63	58933	50.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.82%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	127525	22.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	141745	21.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	41318	12.909	ug/L	100
3) Chloromethane	2.21	50	89371	20.928	ug/L	96
5) Vinyl chloride	2.36	62	128548	20.596	ug/L	97
6) Bromomethane	2.78	94	68001	18.726	ug/L	99
8) Chloroethane	2.92	64	64185	18.800	ug/L	95
9) Trichlorofluoromethane	3.26	101	62239	22.202	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	113102	25.696	ug/L	98
12) 1,1-Dichloroethene	4.03	96	107448	24.981	ug/L	95
13) Acetone	4.12	43	79780	47.388	ug/L #	70
14) Carbon disulfide	4.37	76	351441	25.051	ug/L	99
15) Methyl Acetate	4.67	43	73535	27.411	ug/L	98
16) Methylene chloride	4.91	84	122526	21.046	ug/L	100
17) Methyl tert-butyl Ether	5.43	73	218575	25.529	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	114513	23.589	ug/L	92
19) 1,1-Dichloroethane	6.21	63	218521	23.085	ug/L	98
21) 2-Butanone	7.17	43	104297	46.998	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	124967	23.418	ug/L	99

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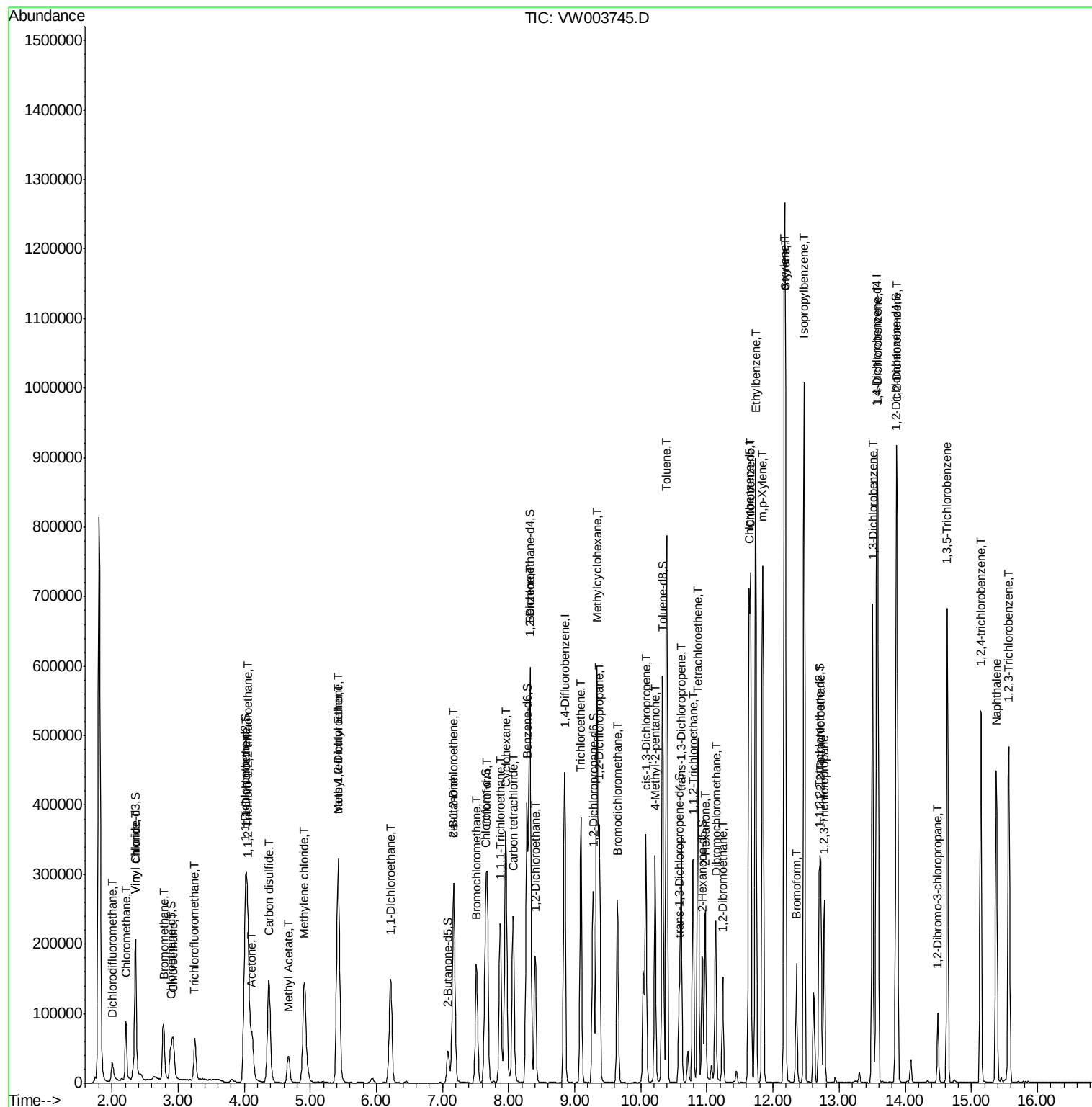
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56303	22.303	ug/L	97
25) Chloroform	7.68	83	226378	23.008	ug/L	100
27) 1,2-Dichloroethane	8.40	62	168428	23.211	ug/L	100
30) Cyclohexane	7.96	56	201203	25.358	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	180434	23.791	ug/L	100
32) Carbon tetrachloride	8.07	117	178200	23.831	ug/L	100
34) Benzene	8.32	78	496432	24.017	ug/L	100
35) Trichloroethene	9.09	95	129572	23.662	ug/L	99
36) Methylcyclohexane	9.34	83	229812	24.971	ug/L	100
40) 1,2-Dichloropropane	9.37	63	131049	23.847	ug/L	100
41) Bromodichloromethane	9.65	83	166204	23.320	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	198298	24.361	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	210749	51.678	ug/L	99
44) Toluene	10.39	91	545554	24.699	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	183598	24.569	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	98637	23.394	ug/L	98
47) Tetrachloroethene	10.87	164	108331	23.682	ug/L	97
49) 2-Hexanone	10.97	43	163322	52.009	ug/L	100
50) Dibromochloromethane	11.13	129	118827	23.670	ug/L	100
51) 1,2-Dibromoethane	11.24	107	97854	24.041	ug/L #	99
52) Chlorobenzene	11.66	112	344467	23.676	ug/L	97
53) Ethylbenzene	11.74	91	618631	24.843	ug/L	100
54) m,p-Xylene	11.84	106	232530	25.303	ug/L	97
55) o-xylene	12.17	106	220144	25.398	ug/L	100
56) Styrene	12.19	104	386035	25.351	ug/L	99
57) Isopropylbenzene	12.47	105	605783	25.539	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	138324	24.427	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	104772	24.664	ug/L	99
62) Bromoform	12.35	173	77019	23.928	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	267642	24.035	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	282103	23.284	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	259043	23.702	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	24053	23.569	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	208144	23.682	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	168998	23.827	ug/L	99
69) Naphthalene	15.38	128	367696	25.448	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	162420	24.026	ug/L	99

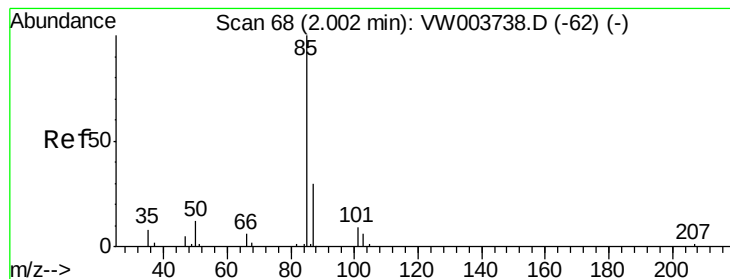
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 12.909 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

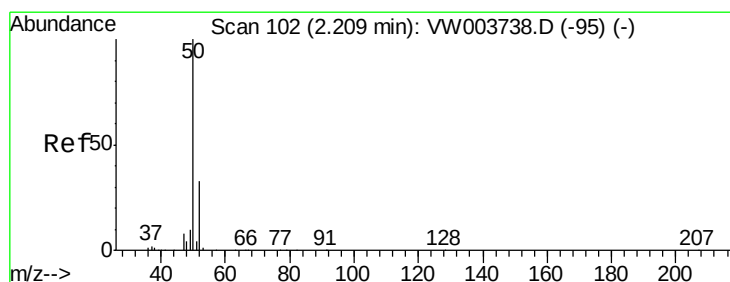
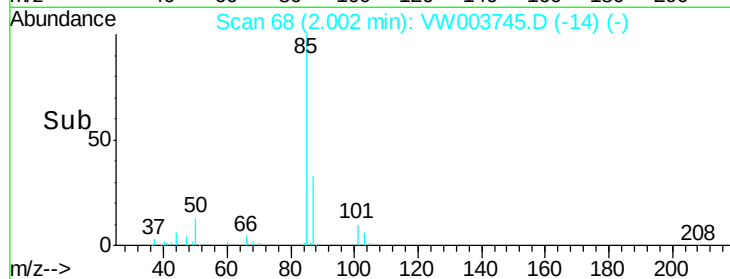
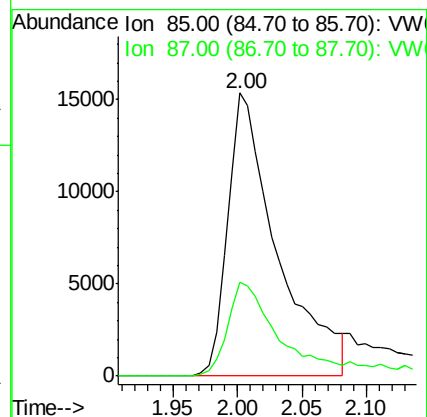
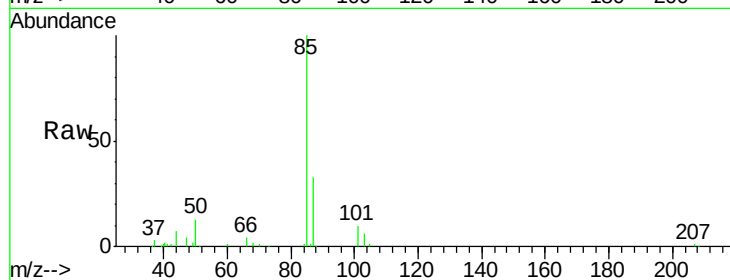
VSTD02587

Tgt Ion: 85 Resp: 41318

Ion Ratio Lower Upper

85 100

87 33.5 23.3 43.3



#3

Chloromethane

Concen: 20.928 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003745.D

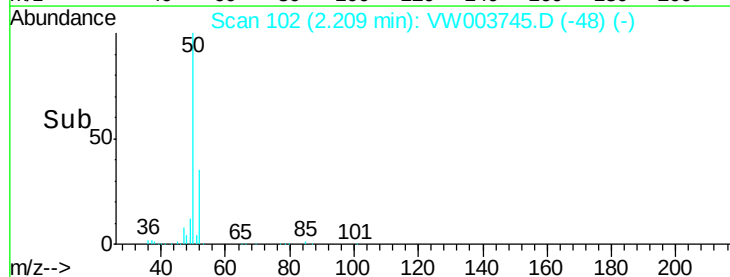
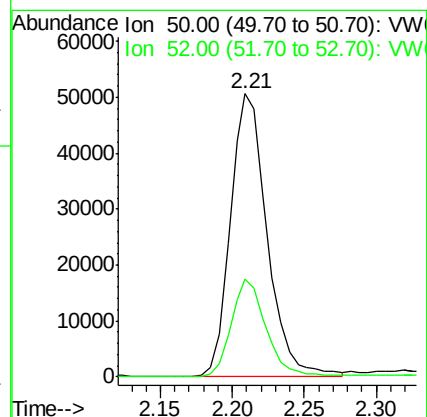
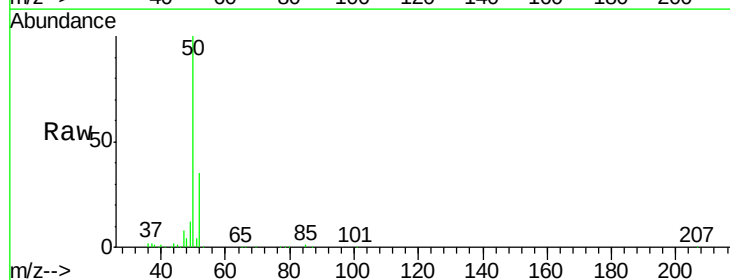
Acq: 06 Jul 2018 19:45

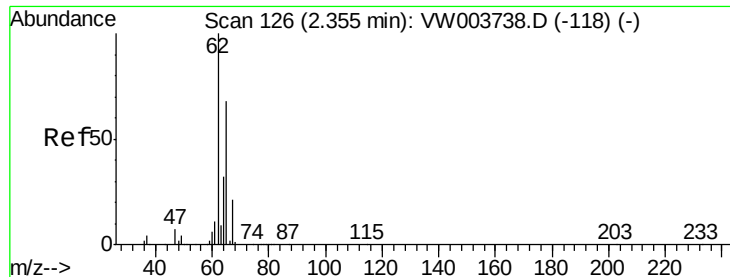
Tgt Ion: 50 Resp: 89371

Ion Ratio Lower Upper

50 100

52 34.7 22.9 42.5





#5

Vinyl chloride

Concen: 20.596 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

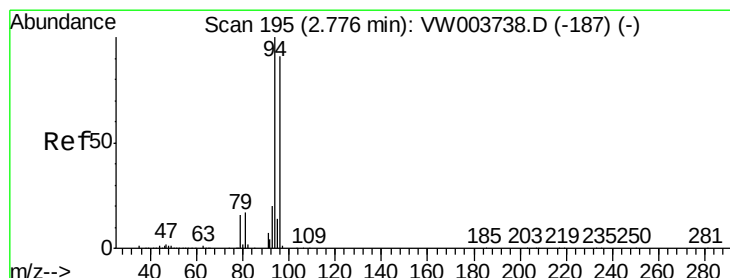
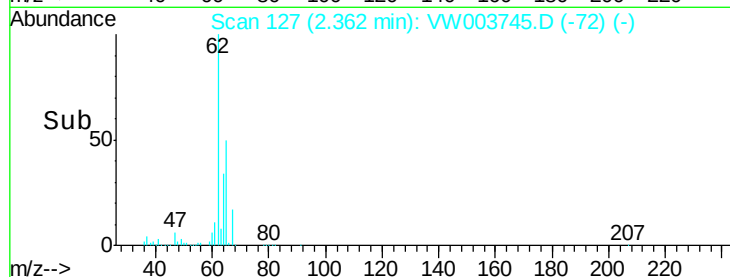
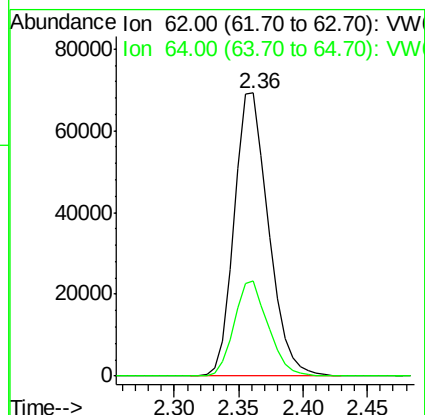
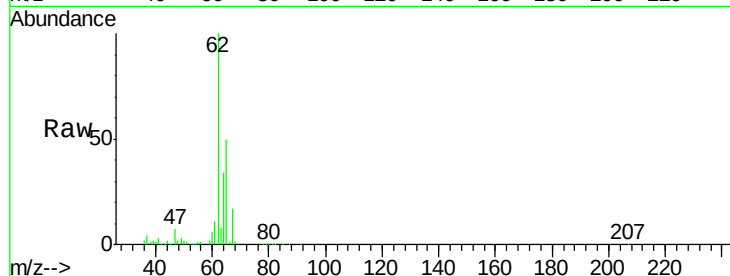
VSTD02587

Tgt Ion: 62 Resp: 128548

Ion Ratio Lower Upper

62 100

64 33.6 22.2 41.2



#6

Bromomethane

Concen: 18.726 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW003745.D

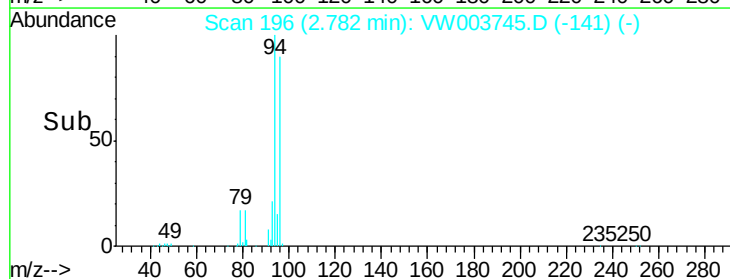
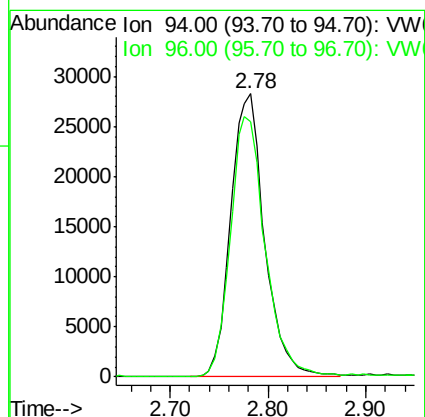
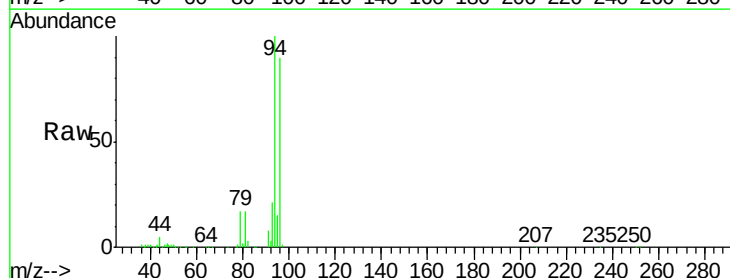
Acq: 06 Jul 2018 19:45

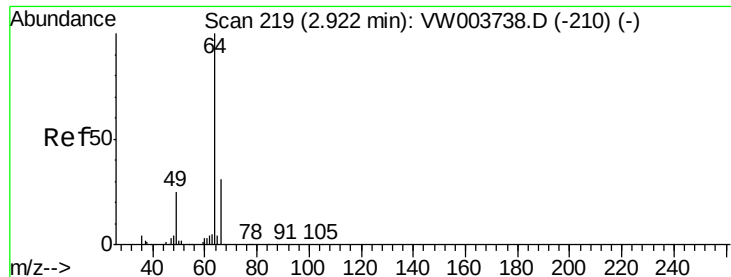
Tgt Ion: 94 Resp: 68001

Ion Ratio Lower Upper

94 100

96 94.2 9.3 177.7





#8

Chloroethane

Concen: 18.800 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

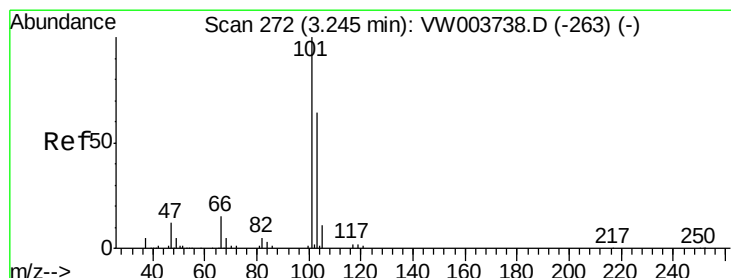
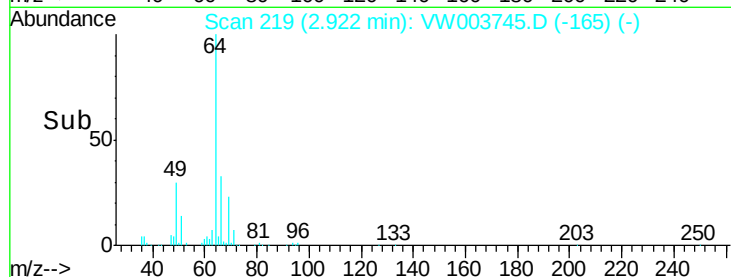
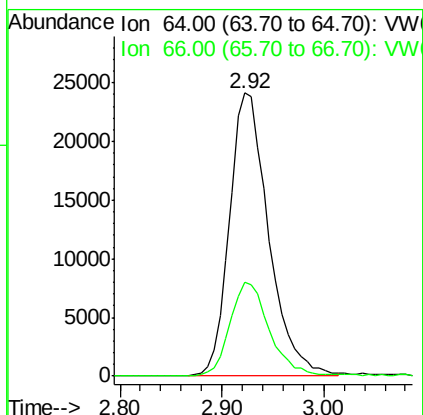
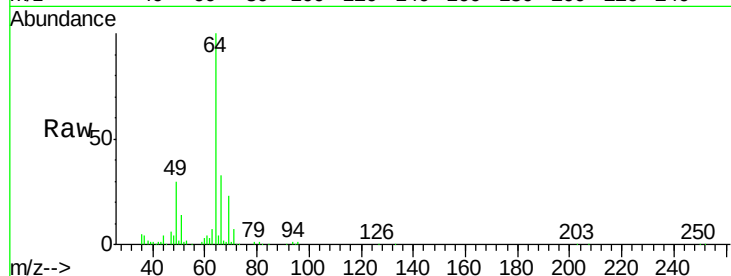
VSTD02587

Tgt Ion: 64 Resp: 64185

Ion Ratio Lower Upper

64 100

66 33.4 21.5 39.9



#9

Trichlorofluoromethane

Concen: 22.202 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.01 min

Lab File: VW003745.D

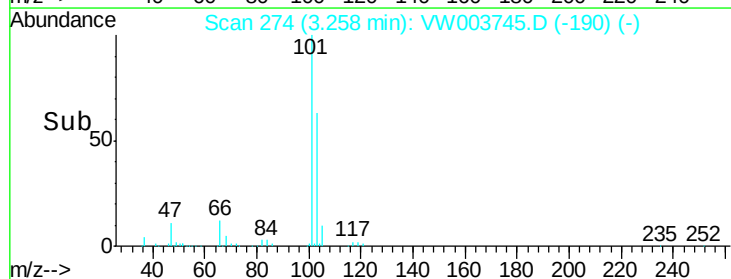
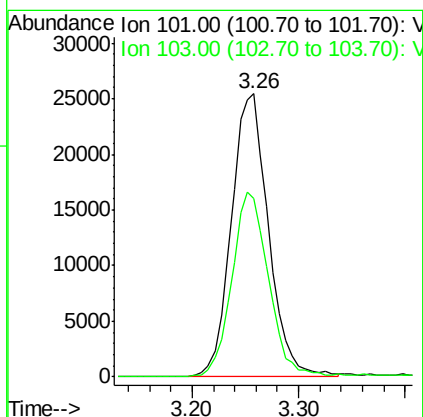
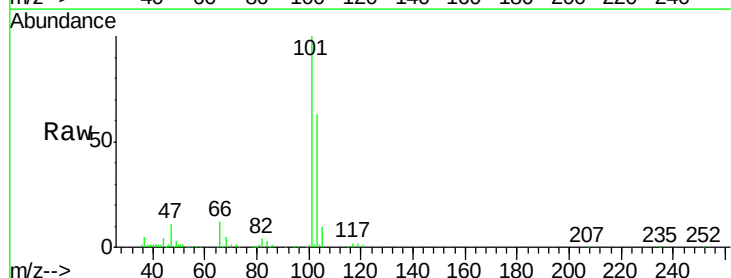
Acq: 06 Jul 2018 19:45

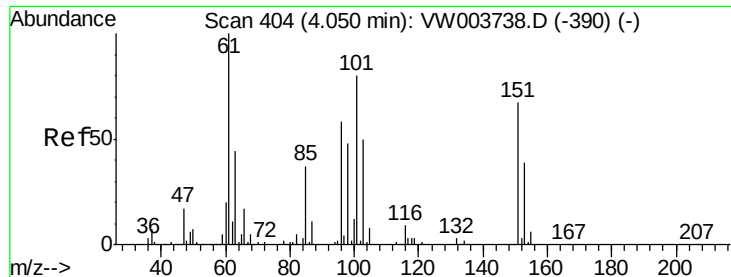
Tgt Ion: 101 Resp: 62239

Ion Ratio Lower Upper

101 100

103 64.5 44.9 83.5





#11

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

Concen: 25.696 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampled :

VSTD02587

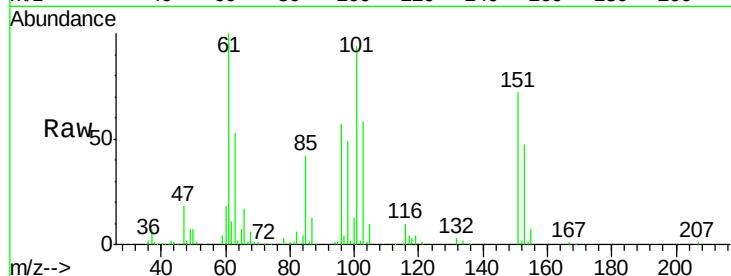
Tgt Ion: 101 Resp: 113102

Ion Ratio Lower Upper

101 100

85 44.2 35.5 53.3

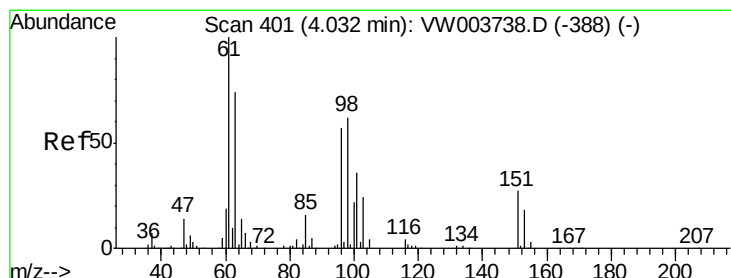
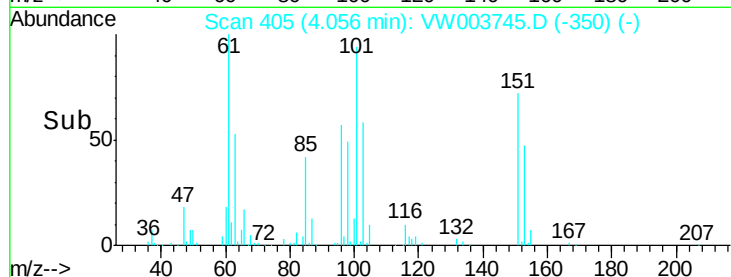
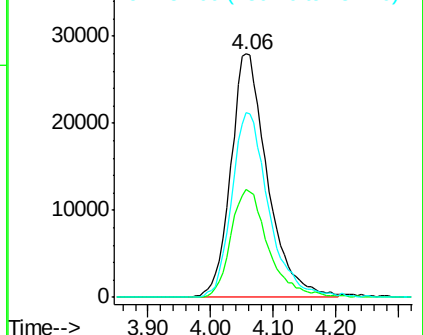
151 76.0 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.981 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

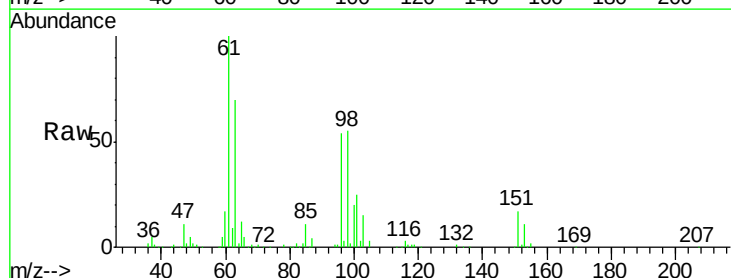
Tgt Ion: 96 Resp: 107448

Ion Ratio Lower Upper

96 100

61 185.4 123.8 229.8

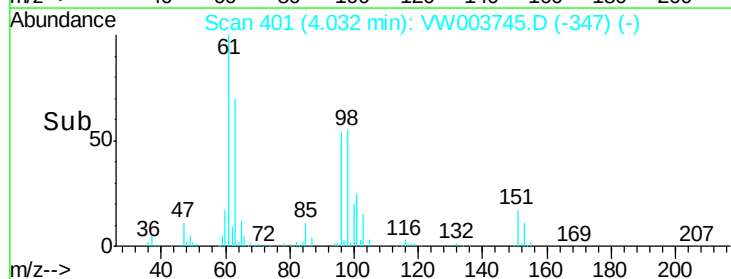
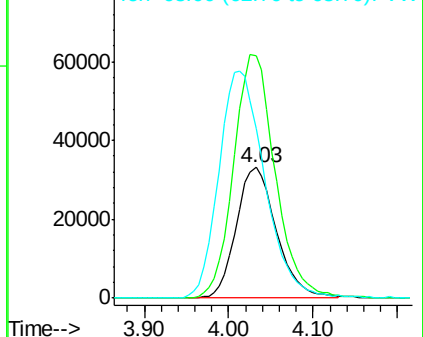
63 129.8 94.2 175.0

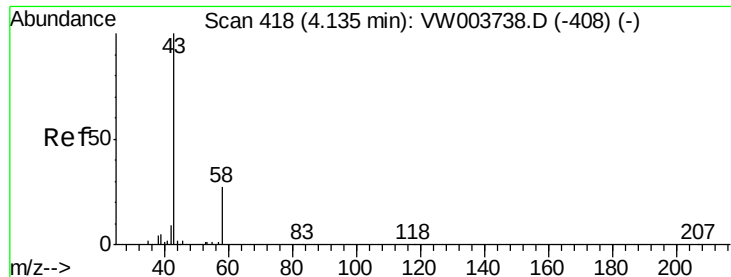


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.388 ug/L

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

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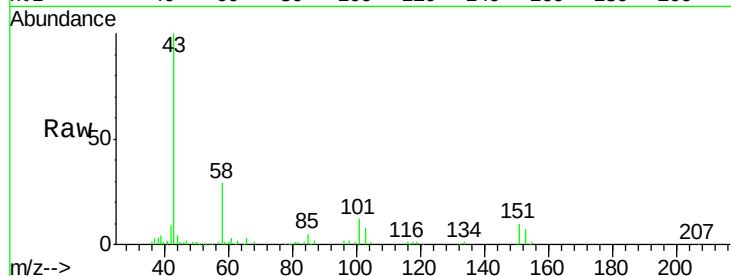
VSTD02587

Tgt Ion: 43 Resp: 79780

Ion Ratio Lower Upper

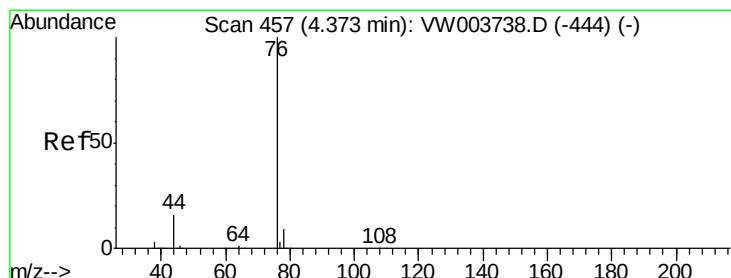
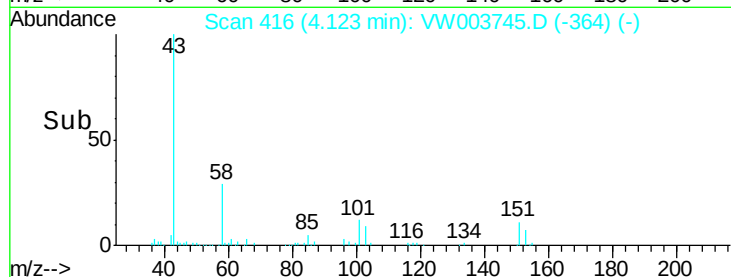
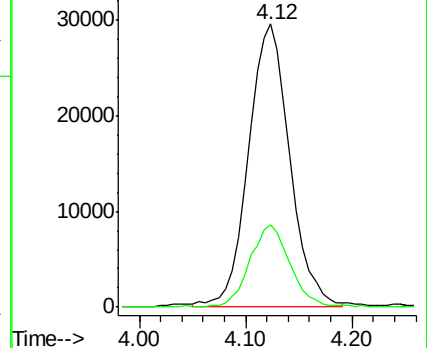
43 100

58 28.3 0.0 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.051 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003745.D

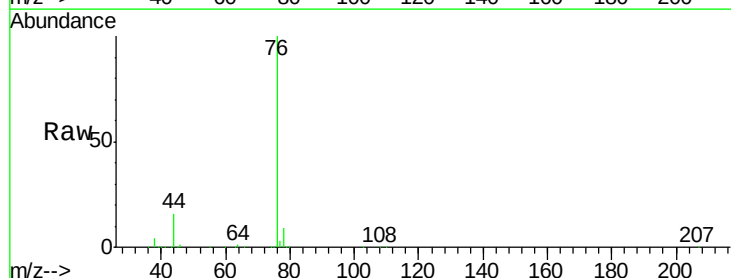
Acq: 06 Jul 2018 19:45

Tgt Ion: 76 Resp: 351441

Ion Ratio Lower Upper

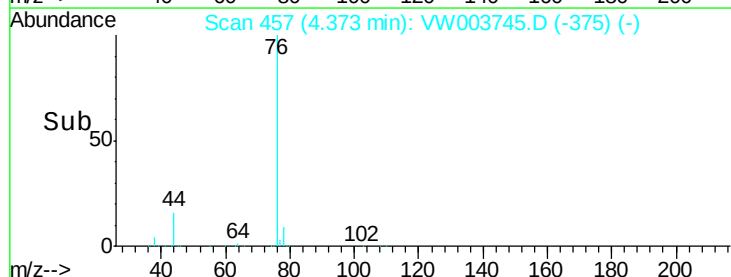
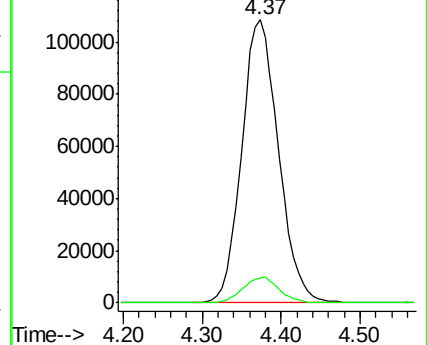
76 100

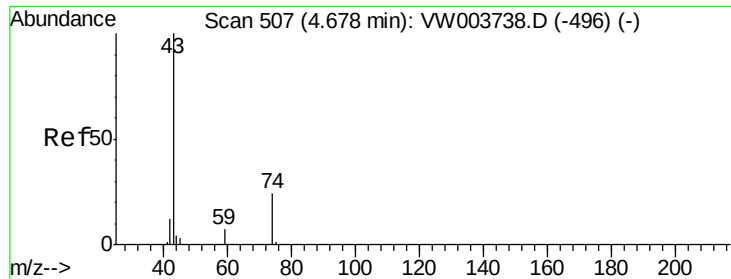
78 8.8 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 27.411 ug/L

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampled :

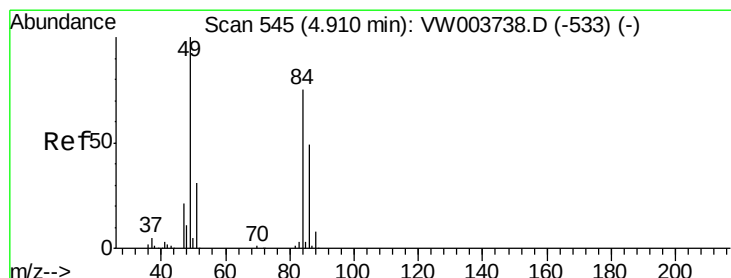
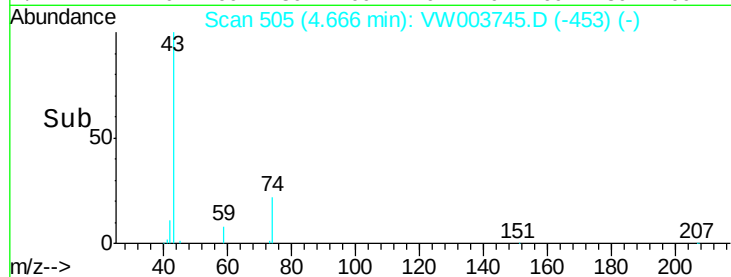
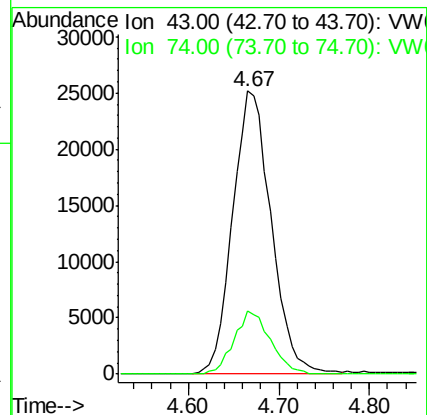
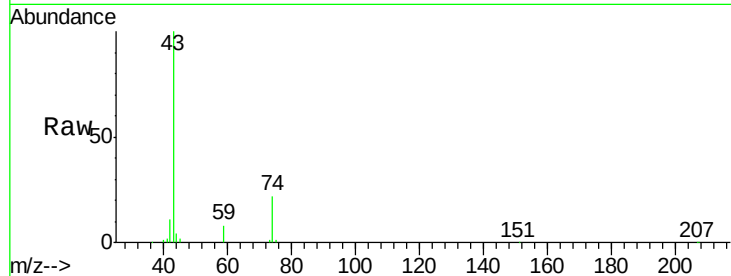
VSTD02587

Tgt Ion: 43 Resp: 73535

Ion Ratio Lower Upper

43 100

74 21.3 17.7 26.5



#16

Methylene chloride

Concen: 21.046 ug/L

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

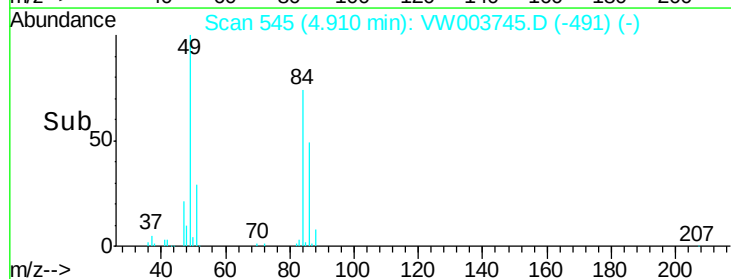
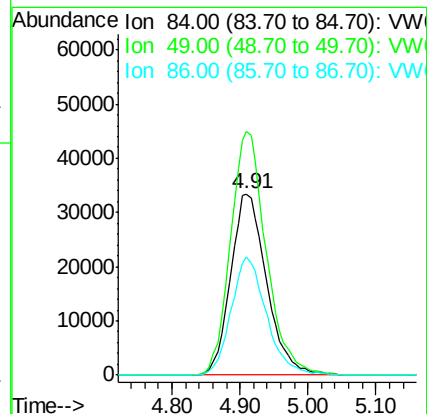
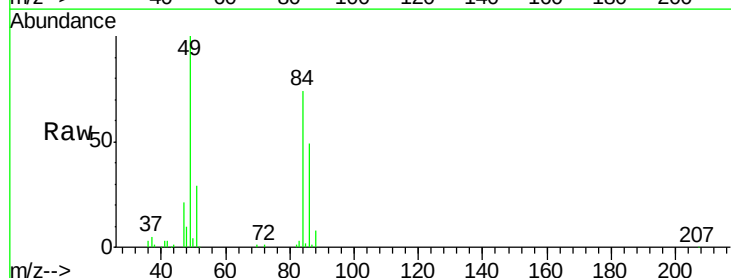
Tgt Ion: 84 Resp: 122526

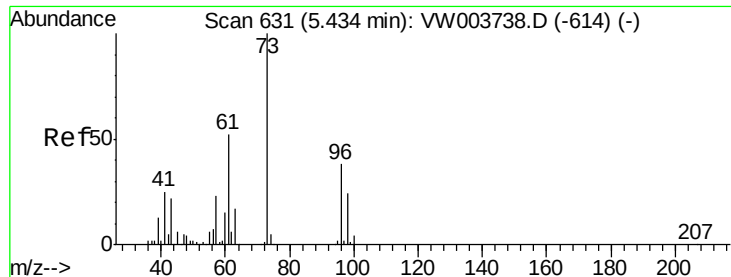
Ion Ratio Lower Upper

84 100

49 134.2 93.5 173.7

86 65.4 45.6 84.8

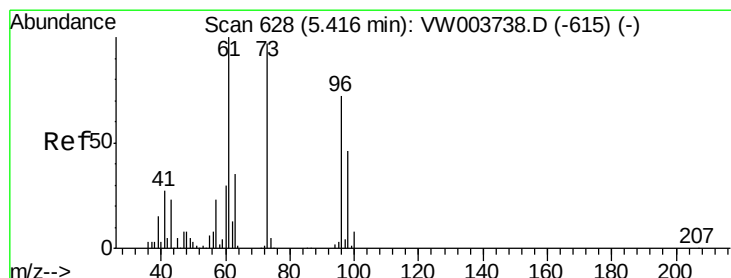
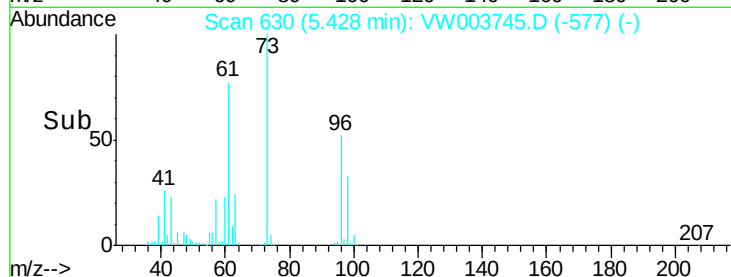
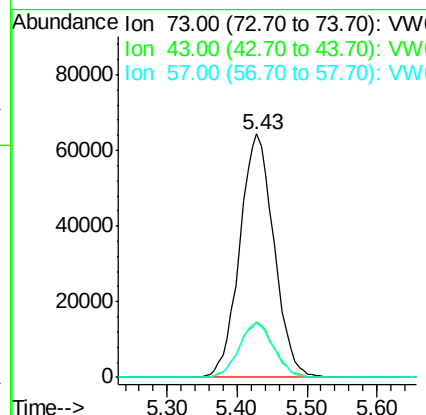
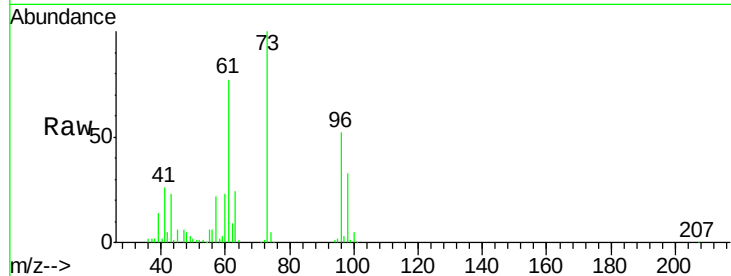




#17
Methyl tert-butyl Ether
Concen: 25.529 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

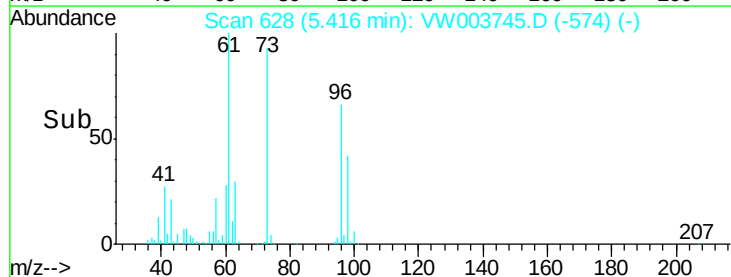
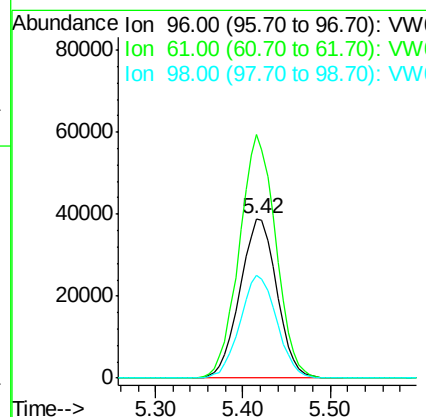
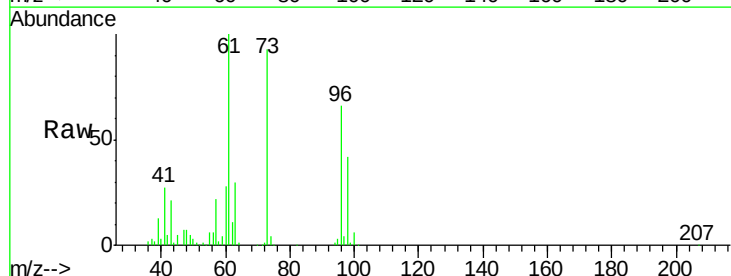
Instrument :
MSVOA_W
ClientSampled :
VSTD02587

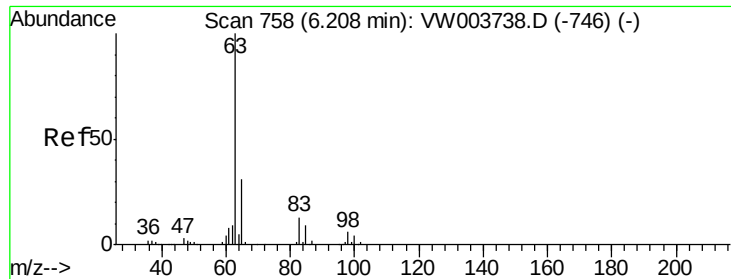
Tgt Ion: 73 Resp: 218575
Ion Ratio Lower Upper
73 100
43 22.8 18.2 27.4
57 22.6 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 23.589 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

Tgt Ion: 96 Resp: 114513
Ion Ratio Lower Upper
96 100
61 152.5 97.5 181.1
98 64.1 44.6 82.8

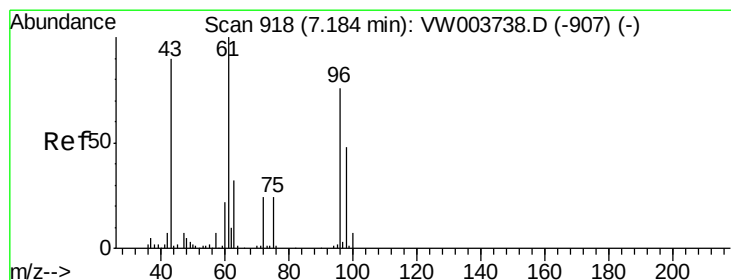
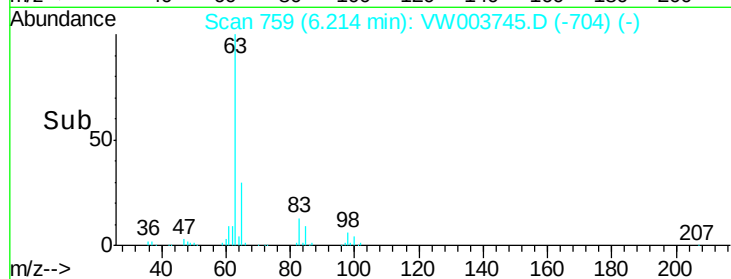
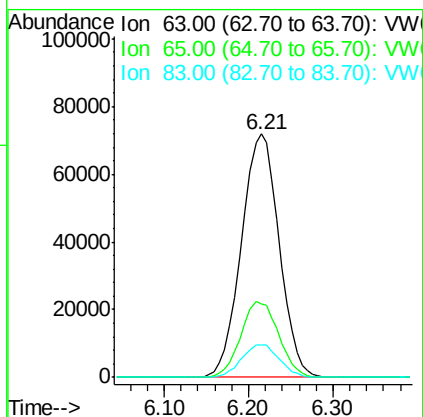
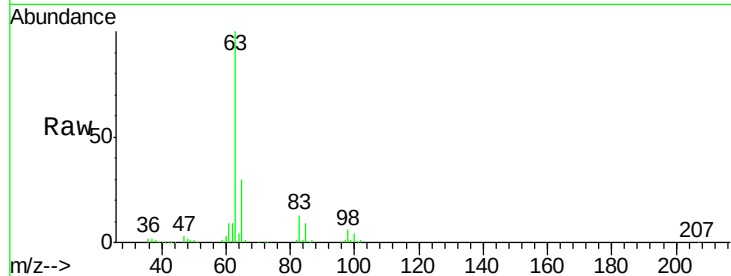




#19
 1,1-Dichloroethane
 Concen: 23.085 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

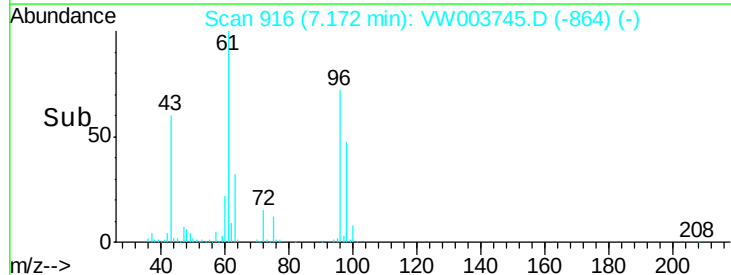
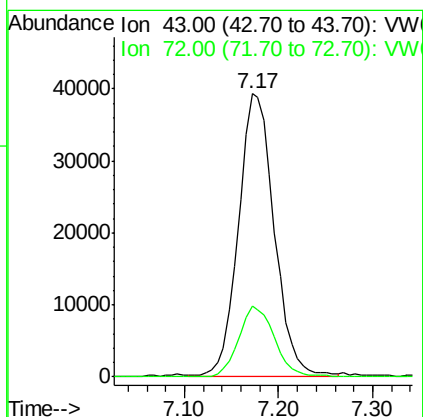
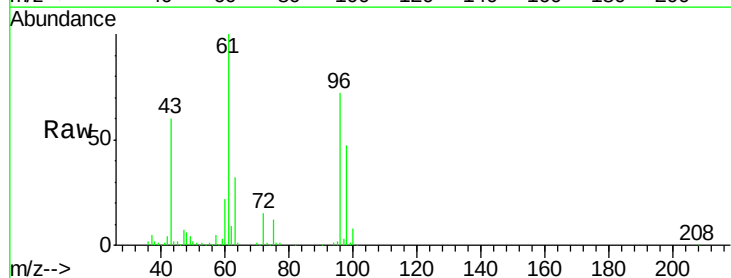
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

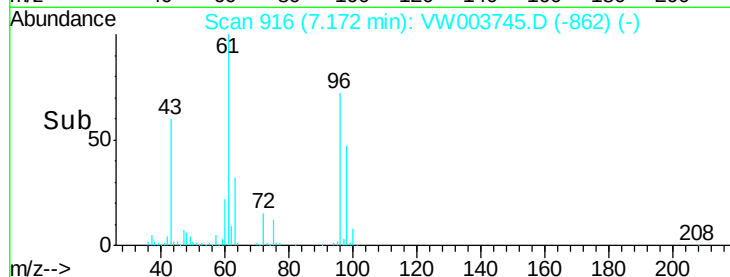
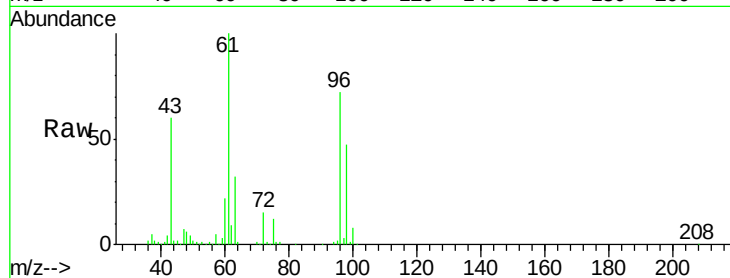
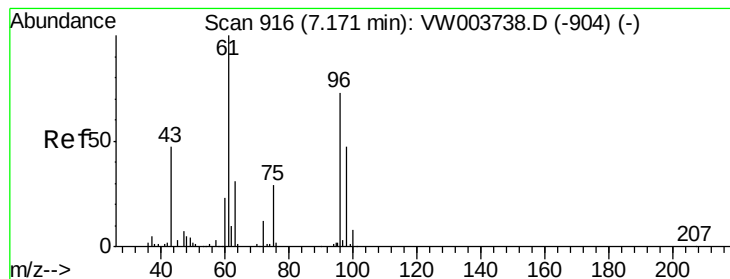
Tgt Ion: 63 Resp: 218521
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.0 41.0
 83 13.2 9.2 17.2



#21
 2-Butanone
 Concen: 46.998 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Tgt Ion: 43 Resp: 104297
 Ion Ratio Lower Upper
 43 100
 72 24.9 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 23.418 ug/L

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

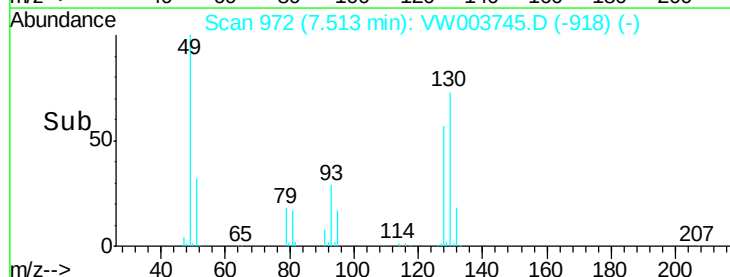
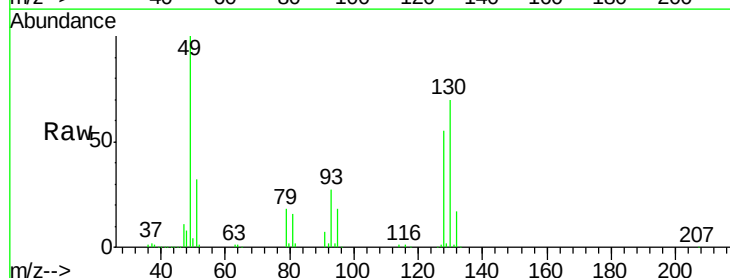
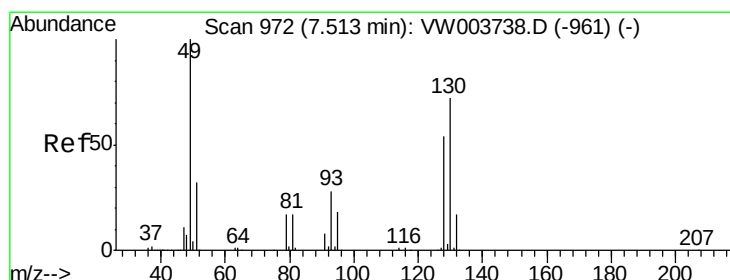
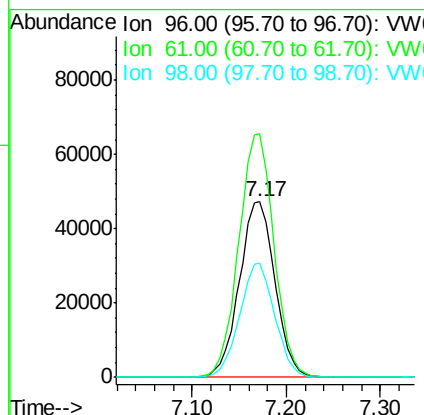
Tgt Ion: 96 Resp: 124967

Ion Ratio Lower Upper

96 100

61 139.0 96.3 178.9

98 65.5 45.1 83.7



#23

Bromochloromethane

Concen: 22.303 ug/L

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Tgt Ion: 128 Resp: 56303

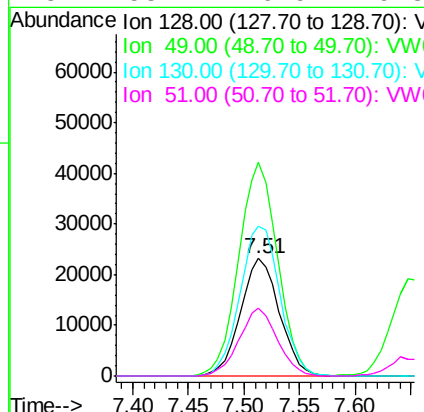
Ion Ratio Lower Upper

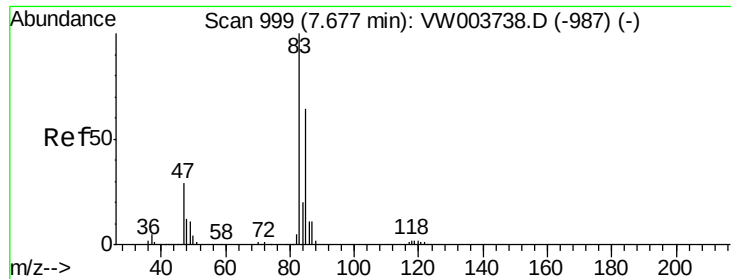
128 100

49 181.9 129.4 240.2

130 127.2 92.5 171.9

51 58.1 46.9 70.3





#25

Chloroform

Concen: 23.008 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

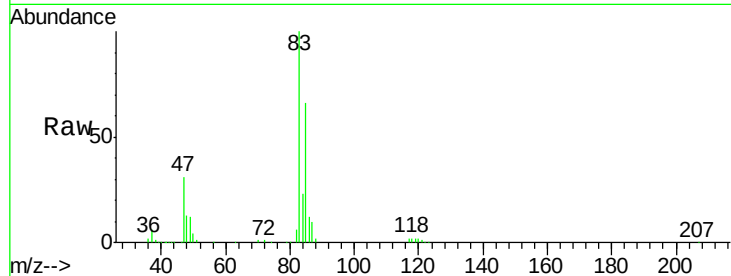
VSTD02587

Tgt Ion: 83 Resp: 226378

Ion Ratio Lower Upper

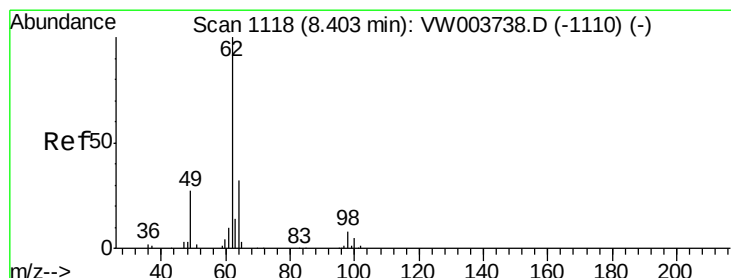
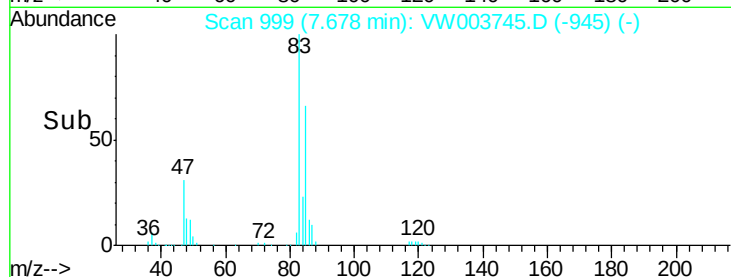
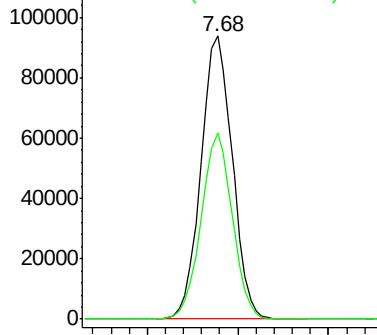
83 100

85 65.4 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 23.211 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003745.D

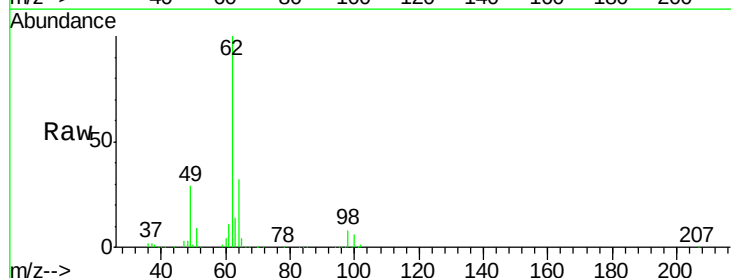
Acq: 06 Jul 2018 19:45

Tgt Ion: 62 Resp: 168428

Ion Ratio Lower Upper

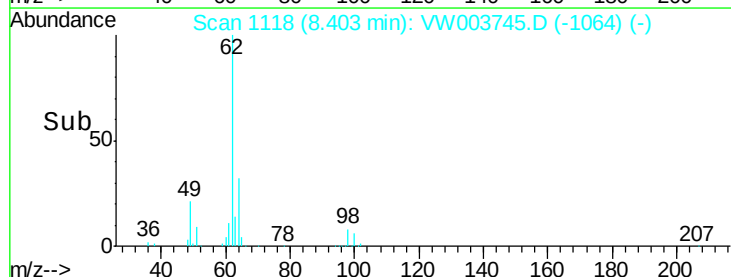
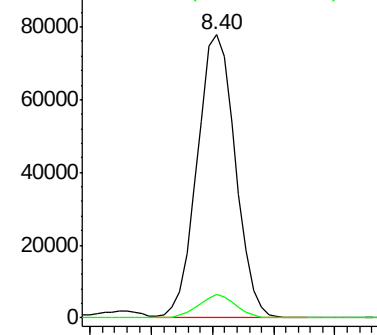
62 100

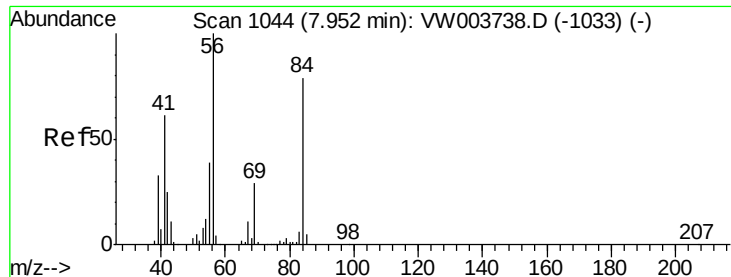
98 8.1 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

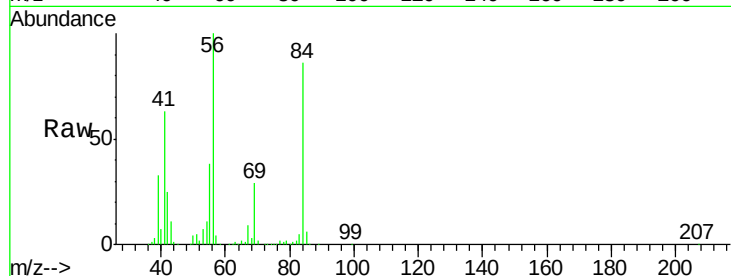




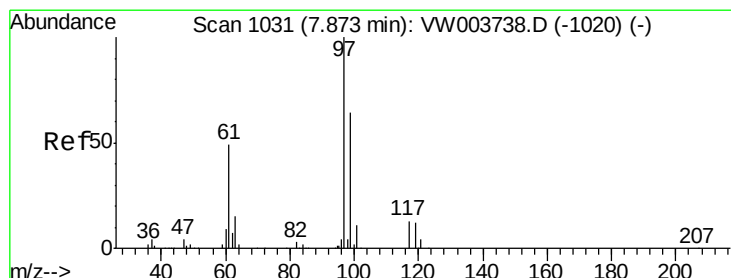
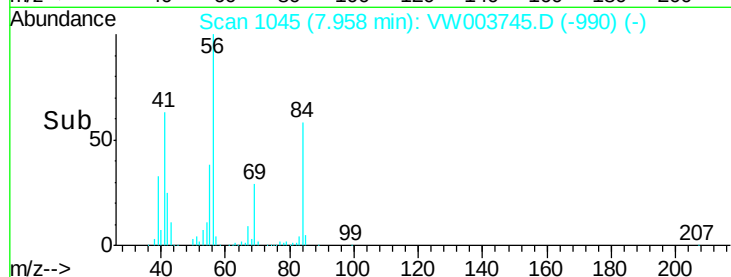
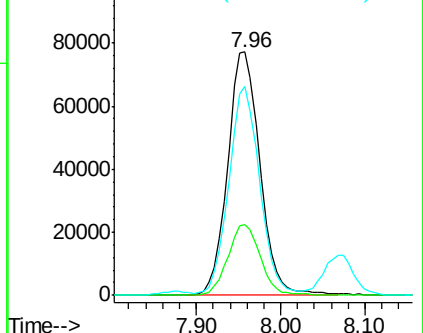
#30
Cyclohexane
Concen: 25.358 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

Instrument :
MSVOA_W
ClientSampled :
VSTD02587

Tgt Ion: 56 Resp: 201203
Ion Ratio Lower Upper
56 100
69 28.7 23.5 35.3
84 82.4 65.8 98.8

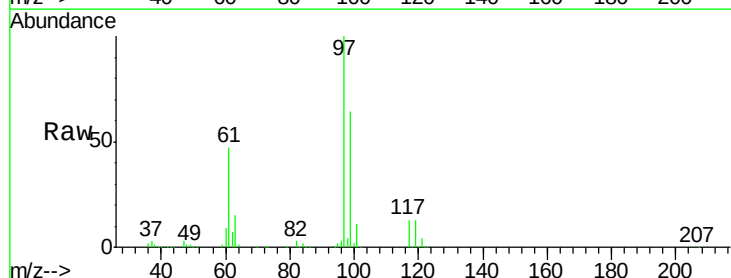


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

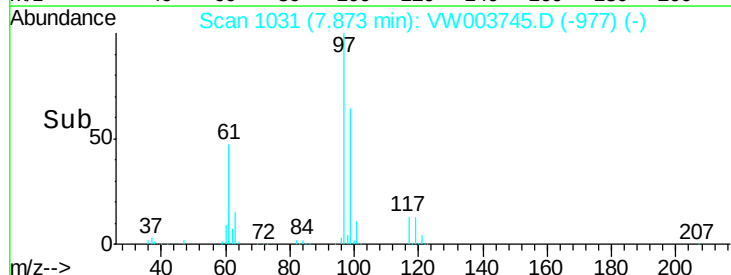
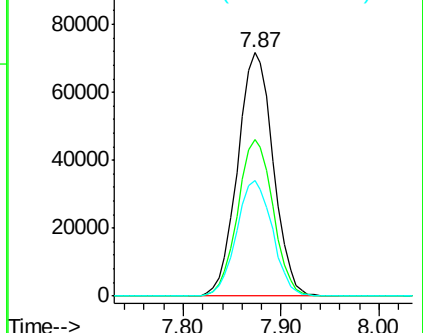


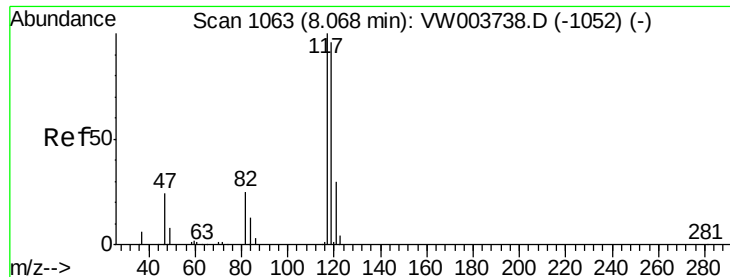
#31
1,1,1-Trichloroethane
Concen: 23.791 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

Tgt Ion: 97 Resp: 180434
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.2
61 47.9 38.2 57.2



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: 23.831 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

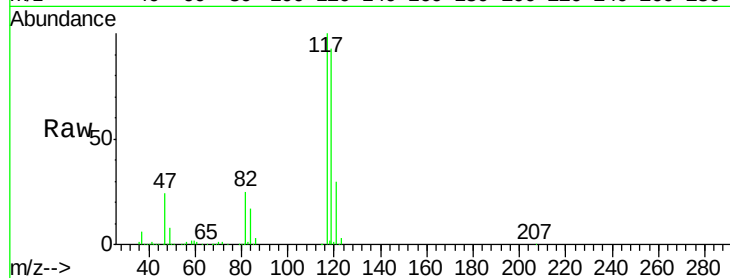
VSTD02587

Tgt Ion:117 Resp: 178200

Ion Ratio Lower Upper

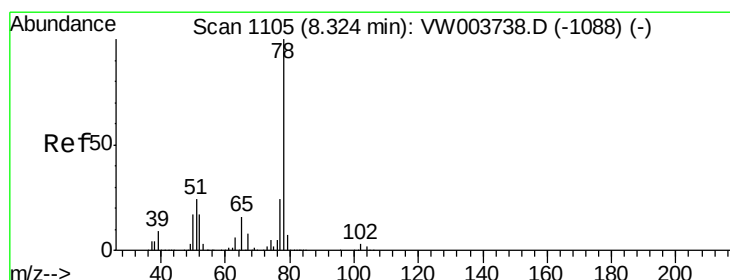
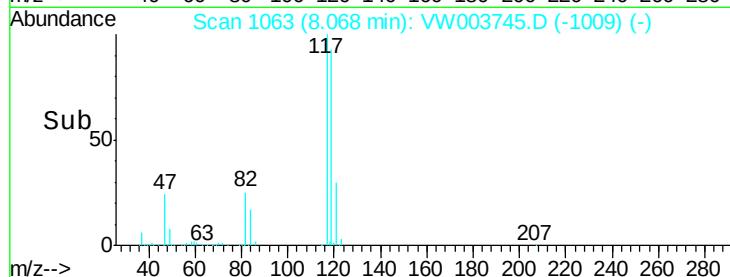
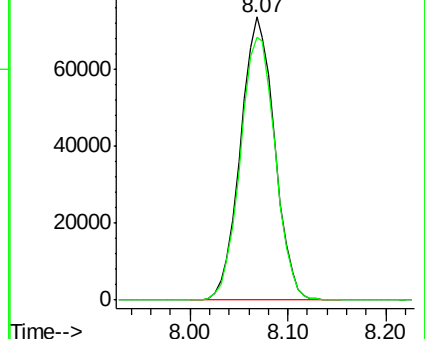
117 100

119 95.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.017 ug/L

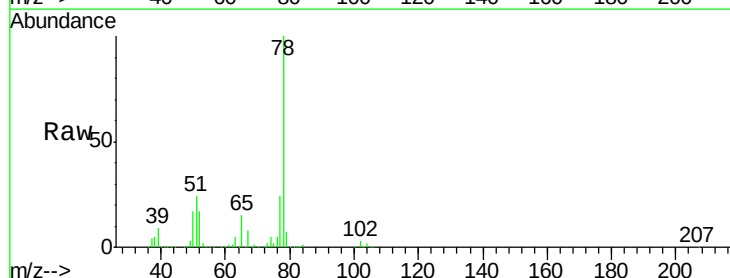
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

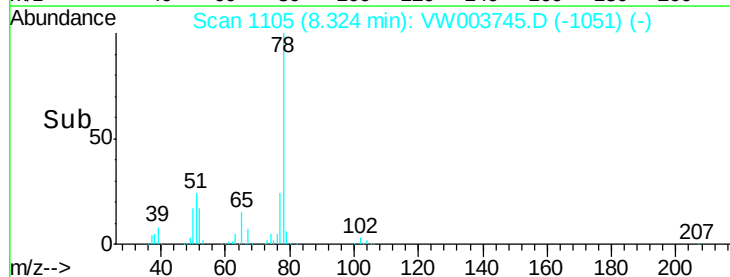
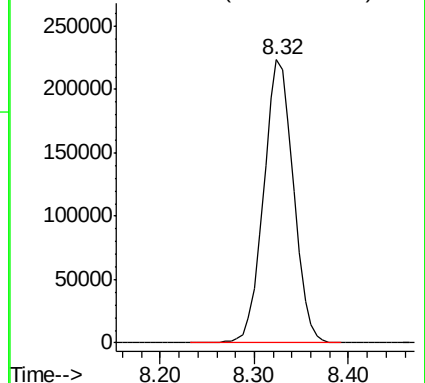
Lab File: VW003745.D

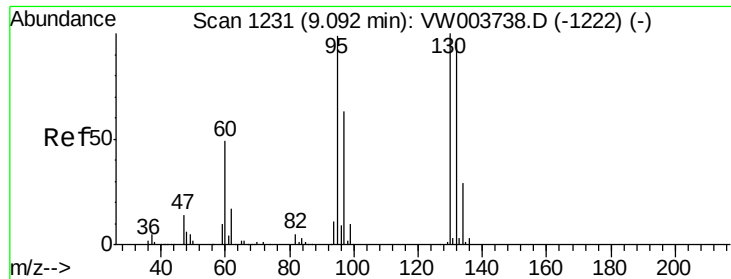
Acq: 06 Jul 2018 19:45

Tgt Ion: 78 Resp: 496432



Abundance Ion 78.00 (77.70 to 78.70): VW

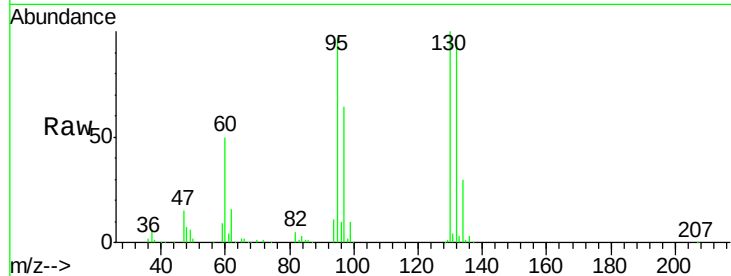




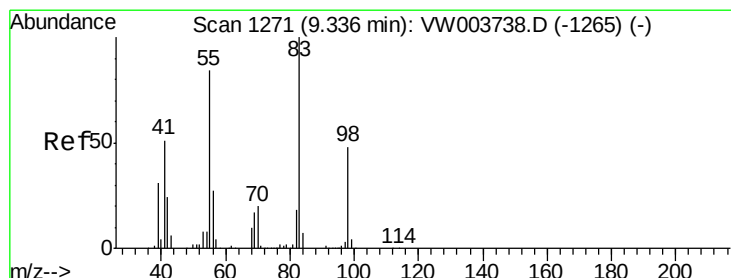
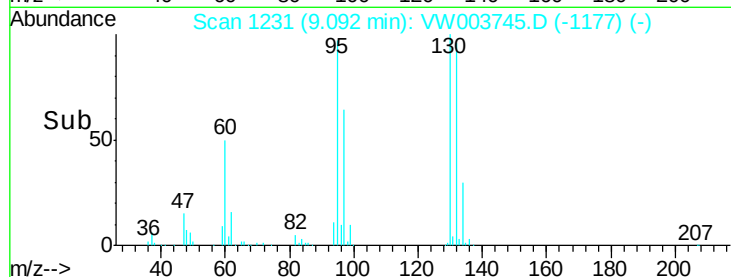
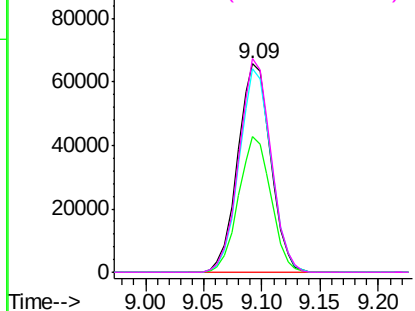
#35
 Trichloroethene
 Concen: 23.662 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Tgt Ion:	95	Resp:	129572
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.6	82.8
132	94.9	67.3	124.9
130	99.6	69.3	128.7

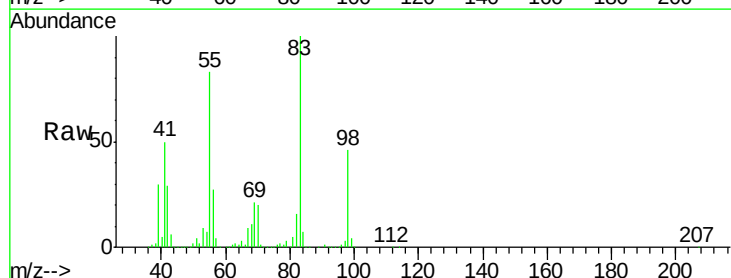


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

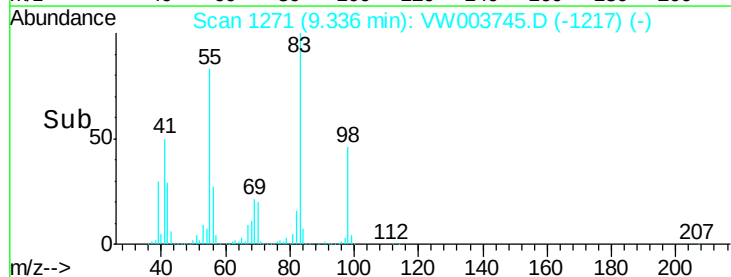
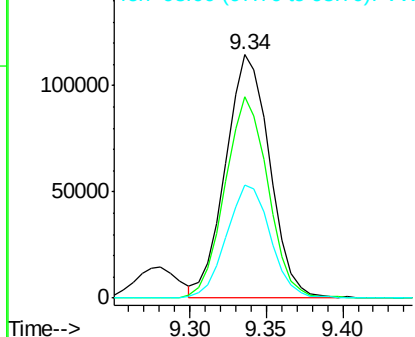


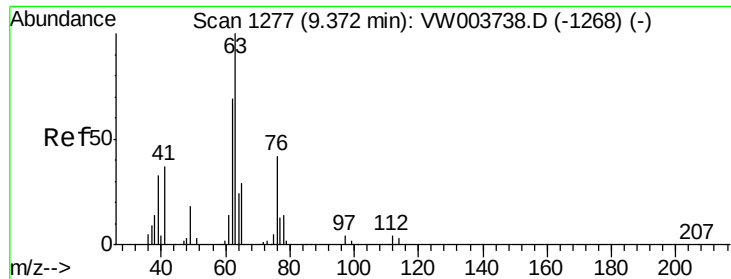
#36
 Methylcyclohexane
 Concen: 24.971 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Tgt Ion:	83	Resp:	229812
Ion	Ratio	Lower	Upper
83	100		
55	81.0	64.3	96.5
98	46.3	37.0	55.6



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: 23.847 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

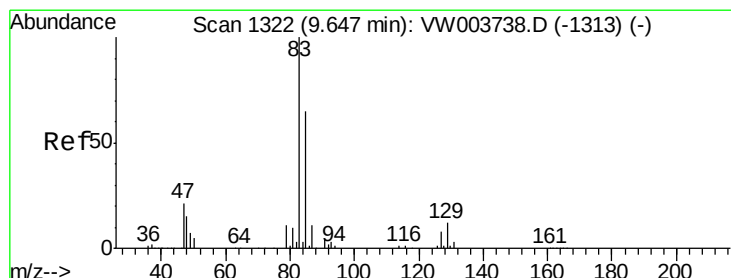
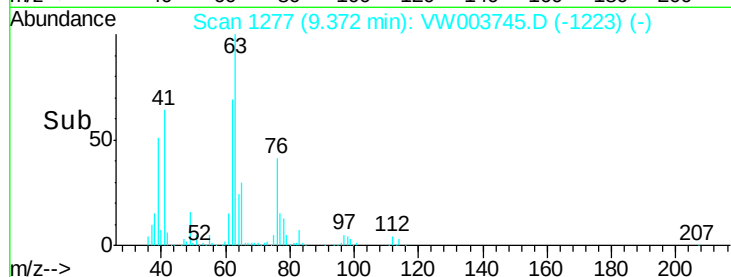
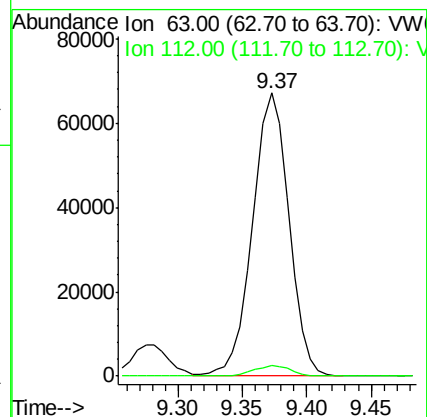
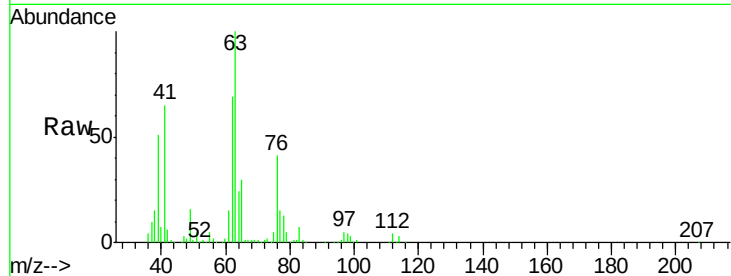
VSTD02587

Tgt Ion: 63 Resp: 131049

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



#41

Bromodichloromethane

Concen: 23.320 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

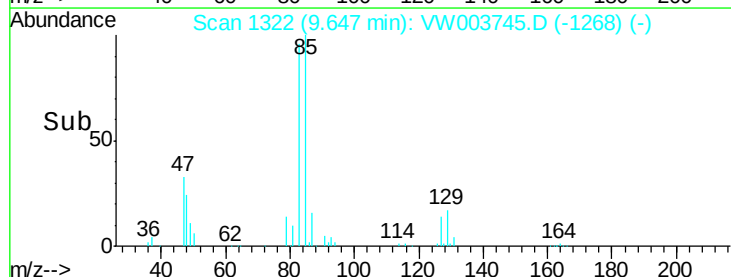
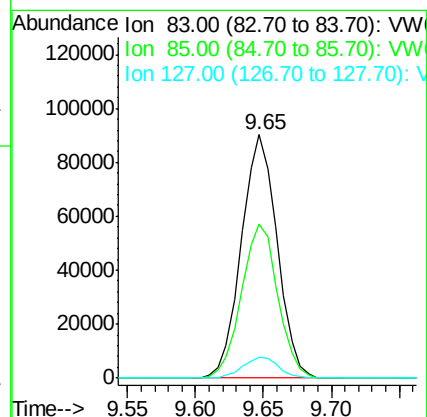
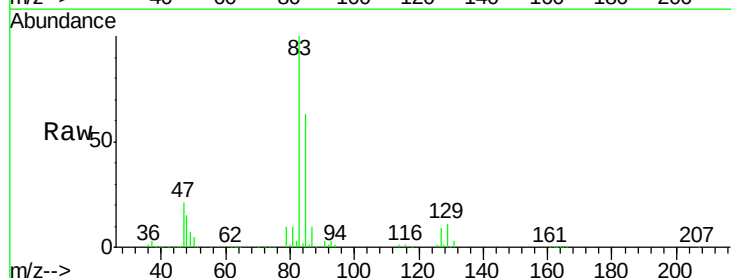
Tgt Ion: 83 Resp: 166204

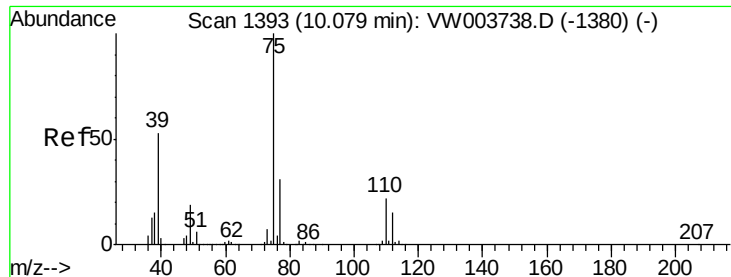
Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.0

127 8.7 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 24.361 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

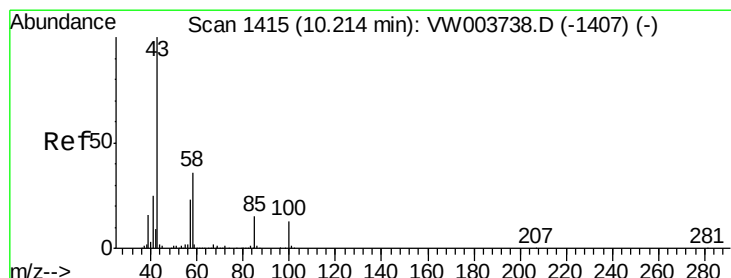
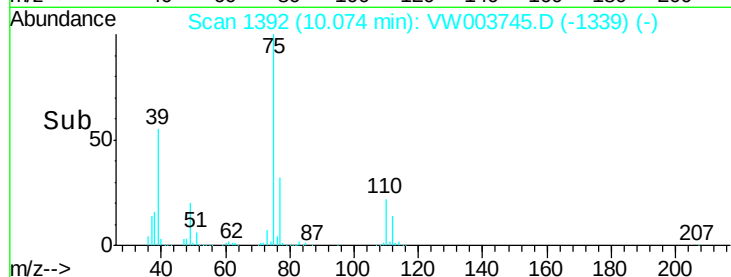
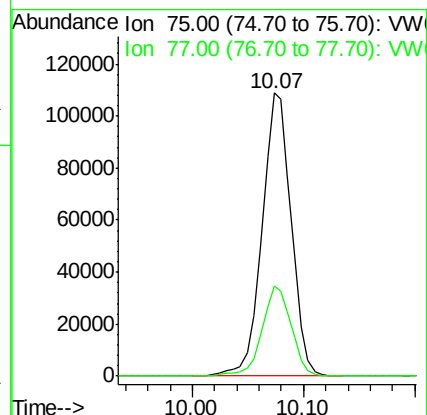
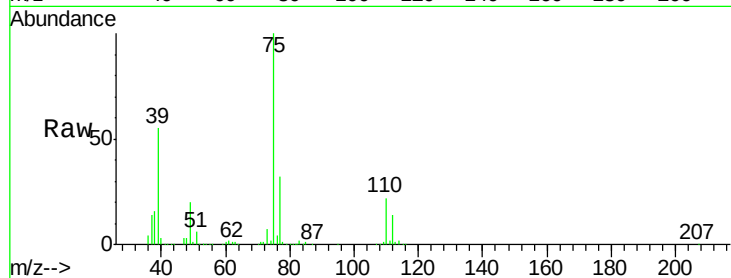
VSTD02587

Tgt Ion: 75 Resp: 198298

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 51.678 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

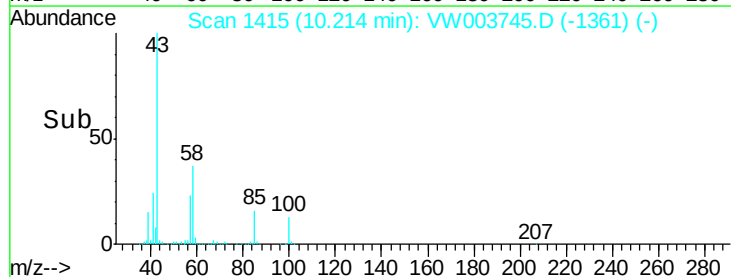
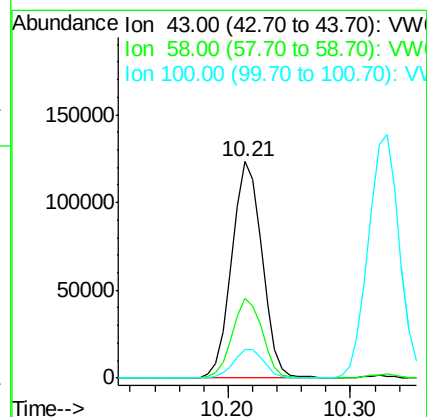
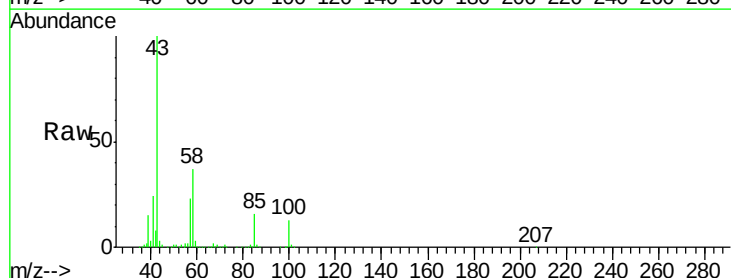
Tgt Ion: 43 Resp: 210749

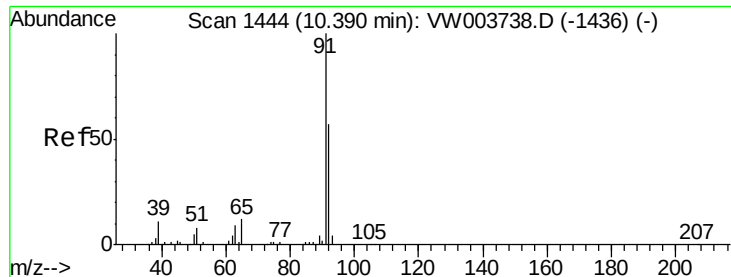
Ion Ratio Lower Upper

43 100

58 36.5 28.6 42.8

100 13.4 10.7 16.1





#44

Toluene

Concen: 24.699 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

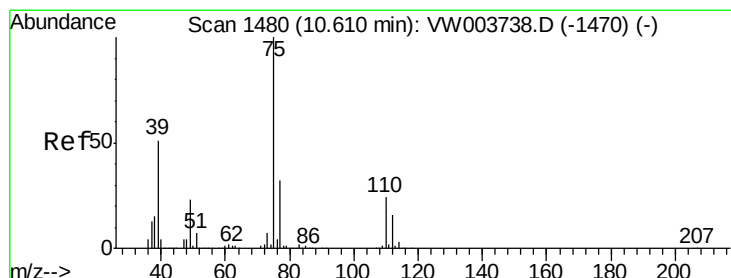
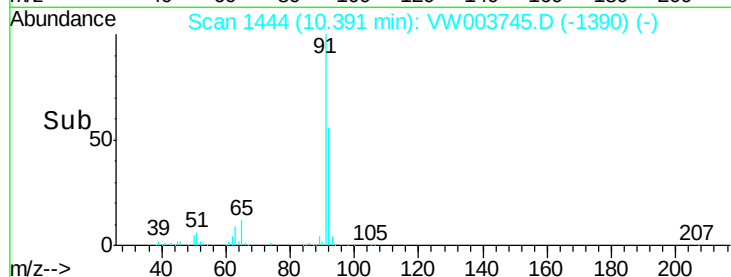
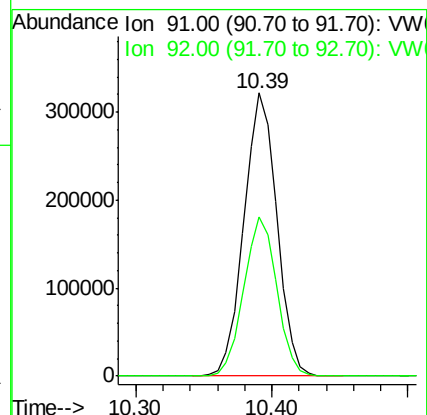
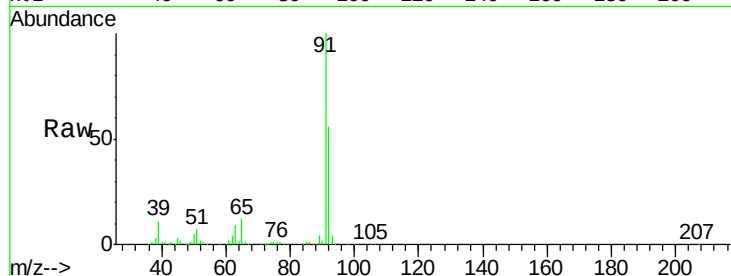
VSTD02587

Tgt Ion: 91 Resp: 545554

Ion Ratio Lower Upper

91 100

92 56.4 40.0 74.4



#45

trans-1,3-Dichloropropene

Concen: 24.569 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003745.D

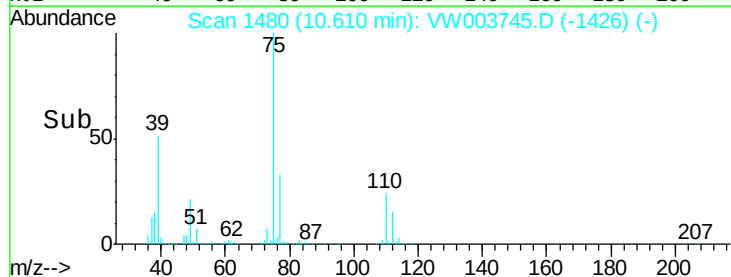
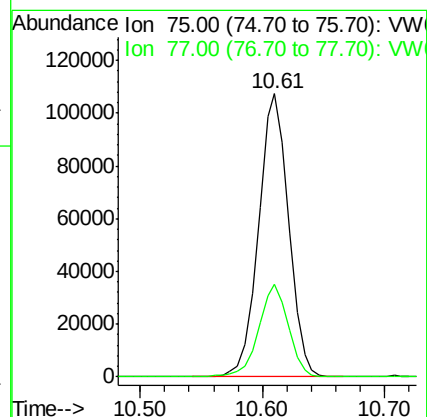
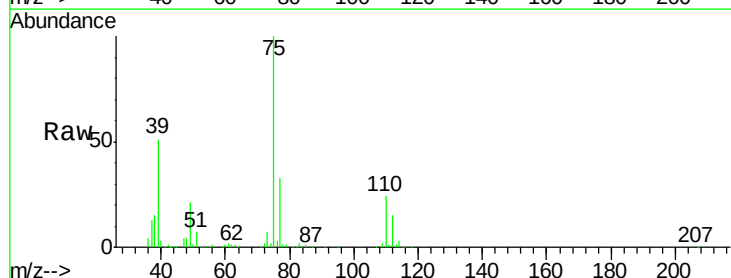
Acq: 06 Jul 2018 19:45

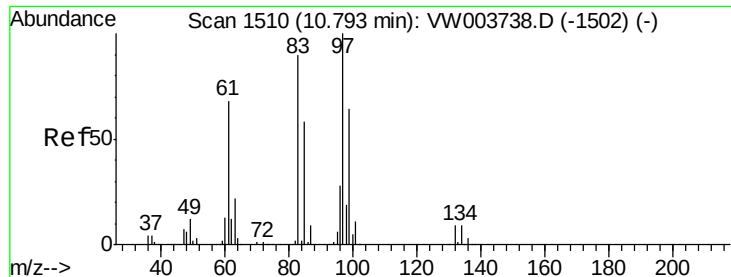
Tgt Ion: 75 Resp: 183598

Ion Ratio Lower Upper

75 100

77 32.8 22.8 42.4

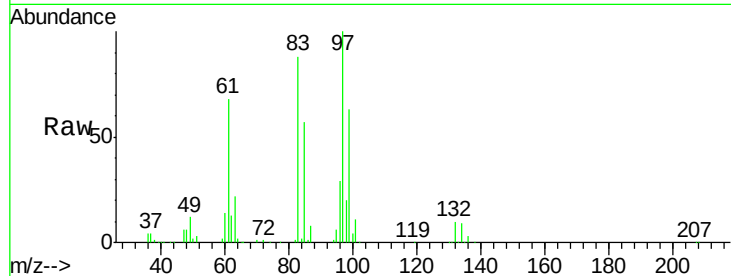




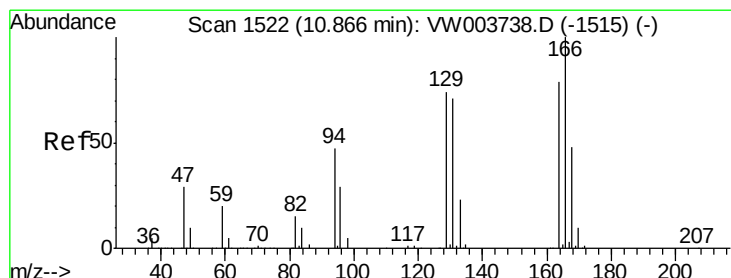
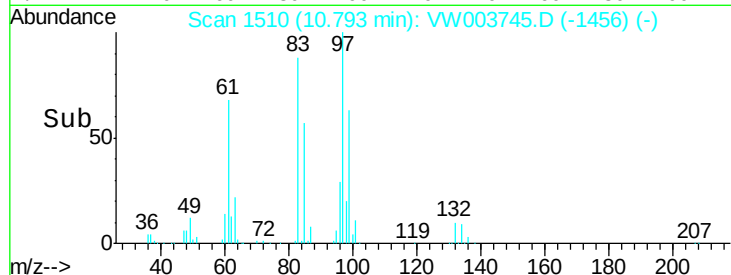
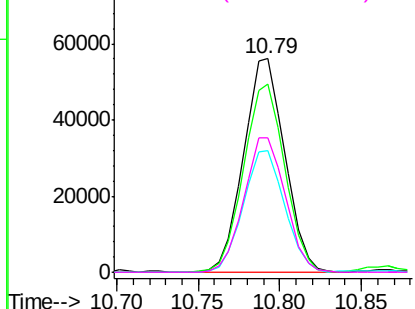
#46
 1,1,2-Trichloroethane
 Concen: 23.394 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

Tgt Ion: 97 Resp: 98637
 Ion Ratio Lower Upper
 97 100
 83 87.8 62.7 116.5
 85 56.7 40.3 74.9
 99 62.7 45.0 83.6

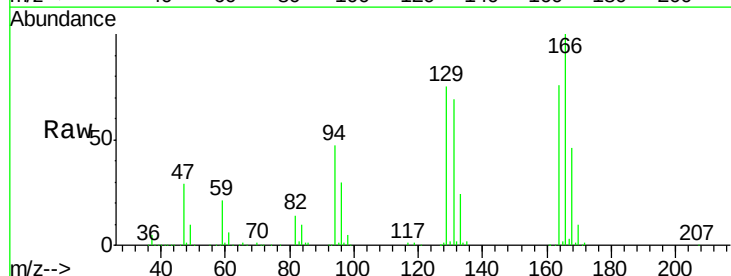


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

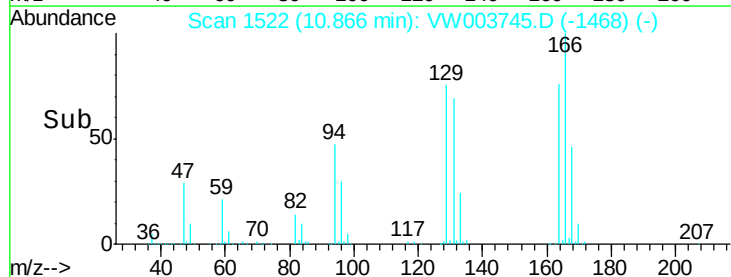
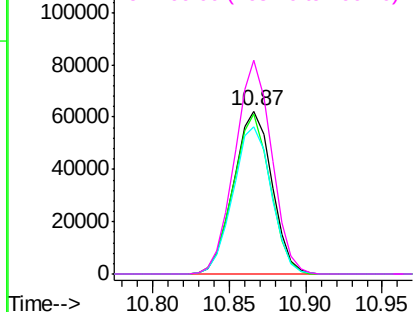


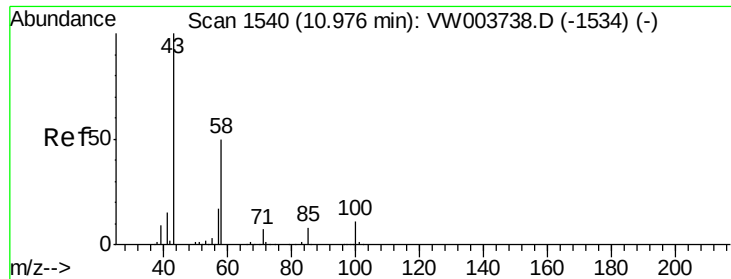
#47
 Tetrachloroethene
 Concen: 23.682 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Tgt Ion: 164 Resp: 108331
 Ion Ratio Lower Upper
 164 100
 129 97.9 65.9 122.3
 131 90.7 63.4 117.8
 166 131.0 89.0 165.4



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

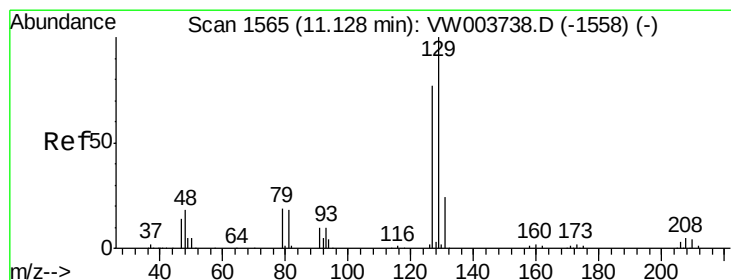
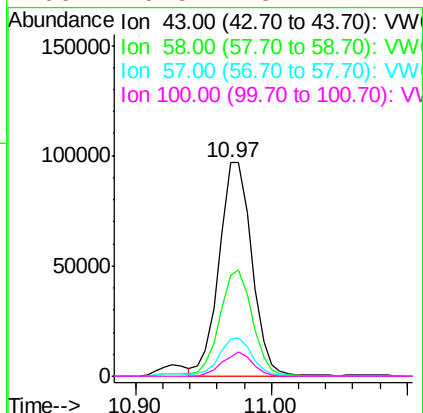
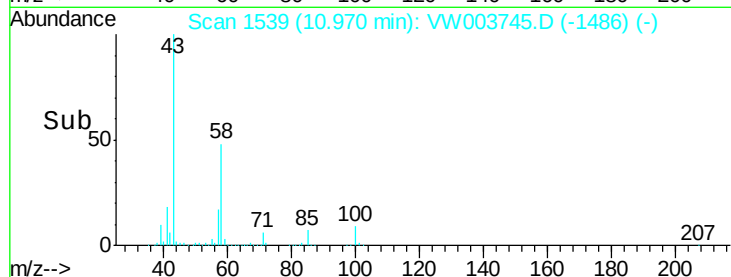
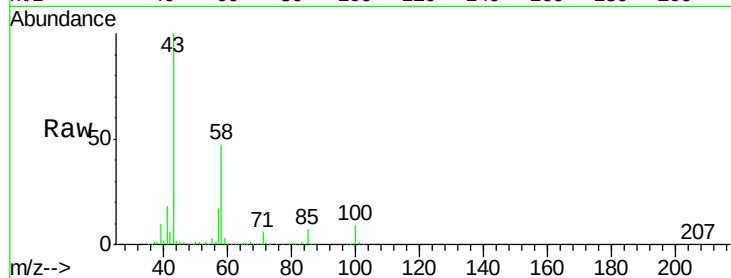




#49
2-Hexanone
Concen: 52.009 ug/L
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

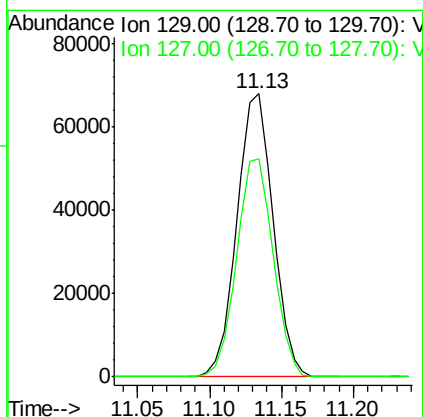
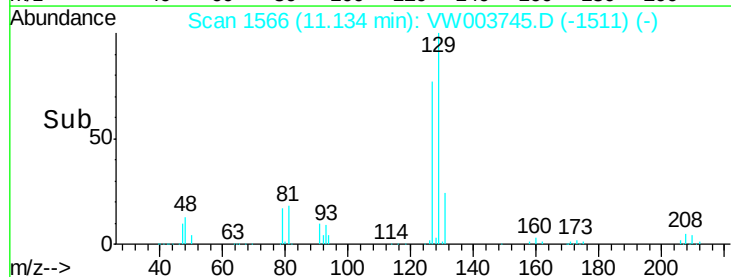
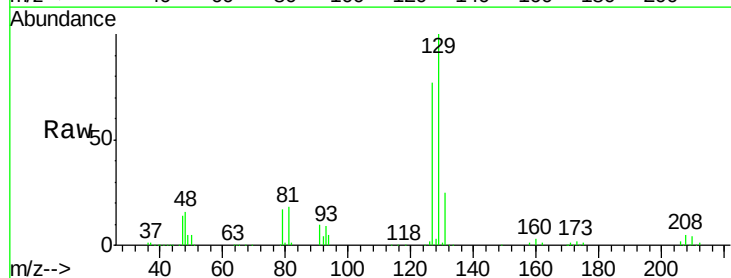
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

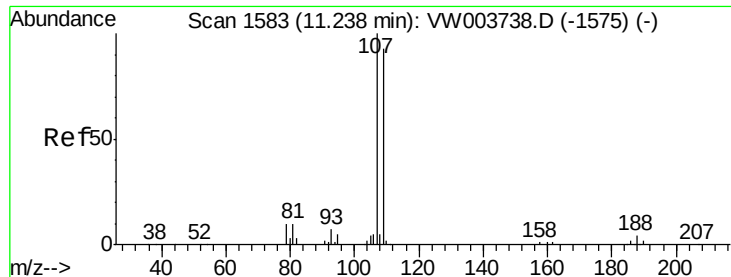
Tgt Ion: 43 Resp: 163322
Ion Ratio Lower Upper
43 100
58 49.0 39.4 59.2
57 17.9 14.2 21.4
100 10.5 8.2 12.4



#50
Dibromochloromethane
Concen: 23.670 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

Tgt Ion: 129 Resp: 118827
Ion Ratio Lower Upper
129 100
127 76.9 54.0 100.2

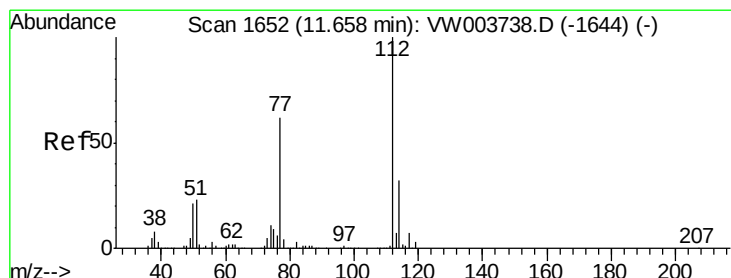
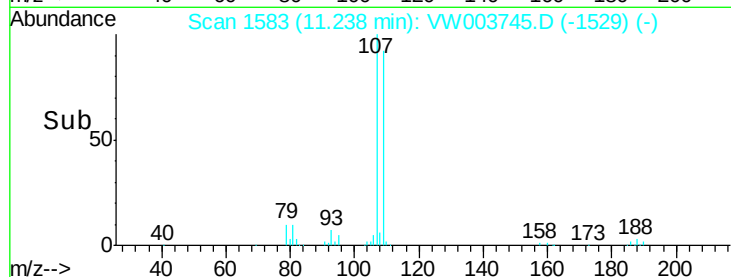
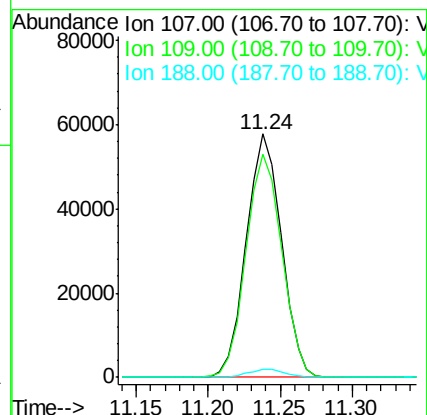
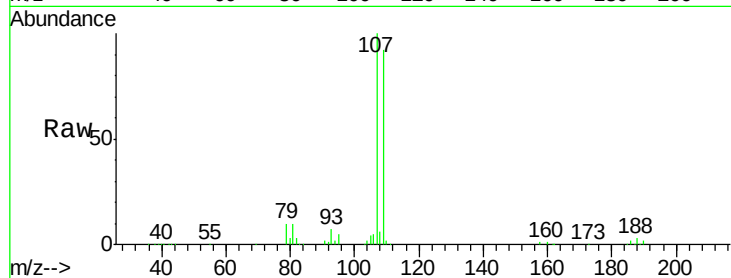




#51
1,2-Dibromoethane
Concen: 24.041 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

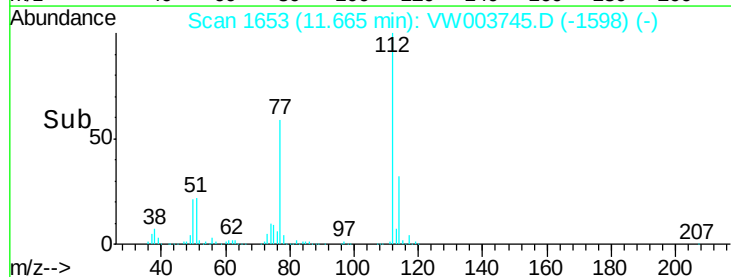
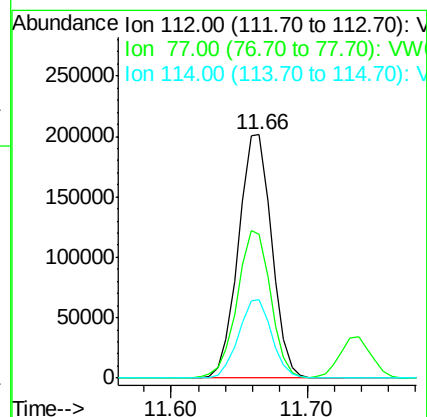
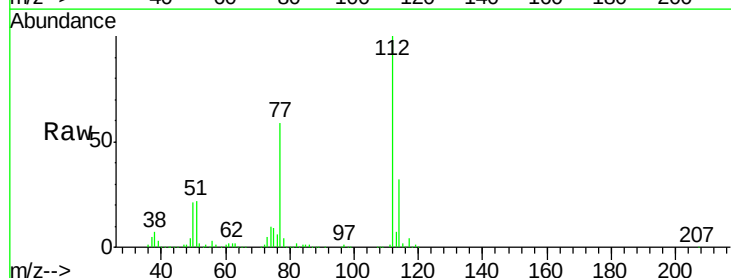
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

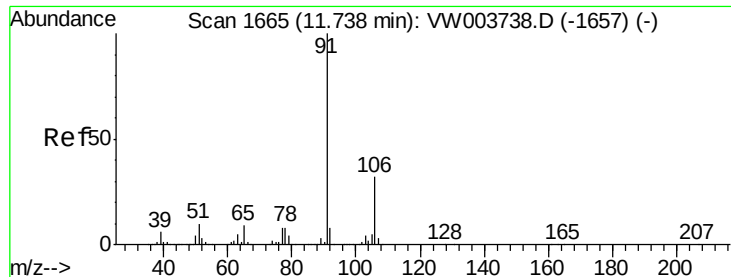
Tgt Ion:107 Resp: 97854
Ion Ratio Lower Upper
107 100
109 91.9 64.8 120.3
188 3.3 3.4 5.0#



#52
Chlorobenzene
Concen: 23.676 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

Tgt Ion:112 Resp: 344467
Ion Ratio Lower Upper
112 100
77 59.1 49.9 74.9
114 32.3 22.5 41.7





#53

Ethylbenzene

Concen: 24.843 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

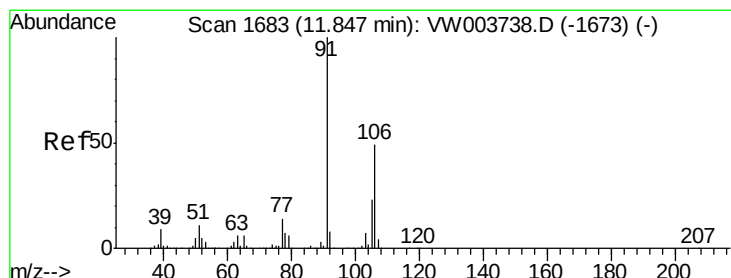
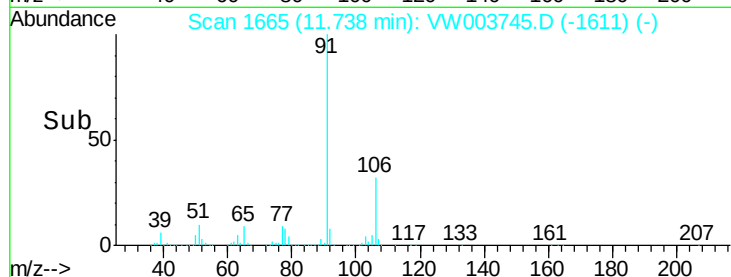
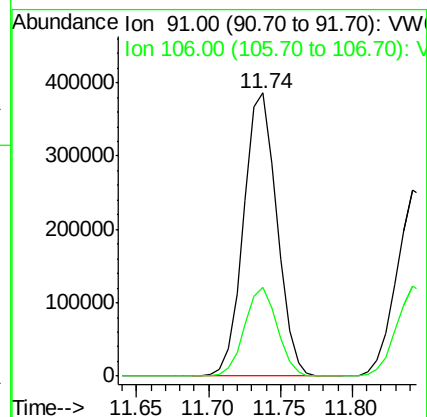
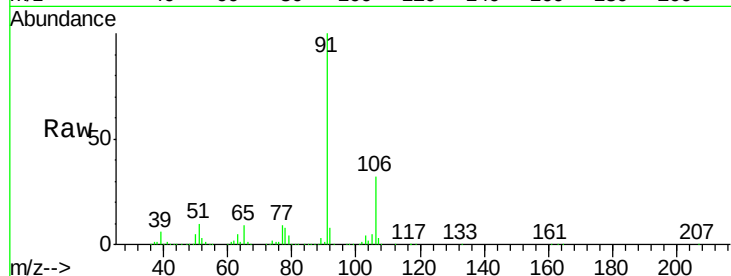
VSTD02587

Tgt Ion: 91 Resp: 618631

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



#54

m,p-Xylene

Concen: 25.303 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW003745.D

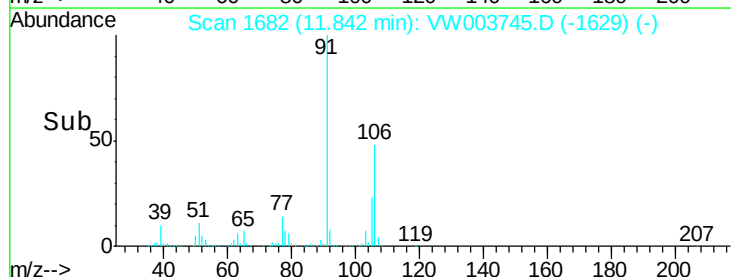
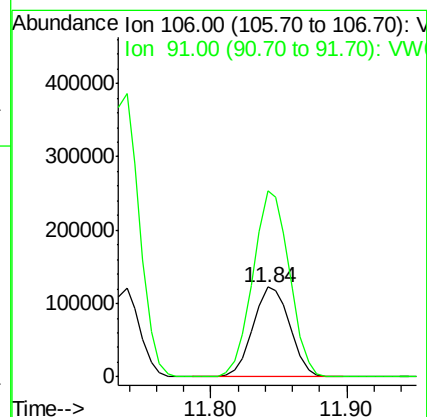
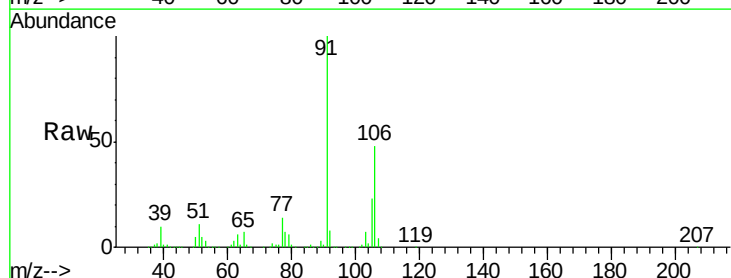
Acq: 06 Jul 2018 19:45

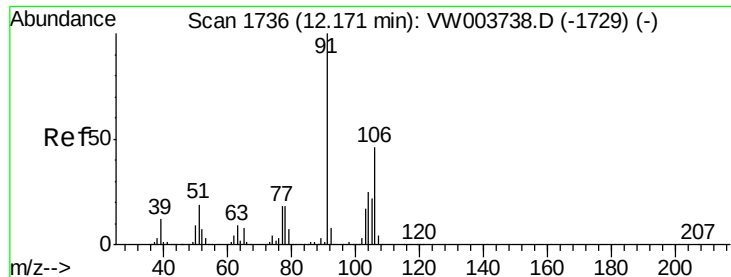
Tgt Ion: 106 Resp: 232530

Ion Ratio Lower Upper

106 100

91 208.0 142.5 264.6

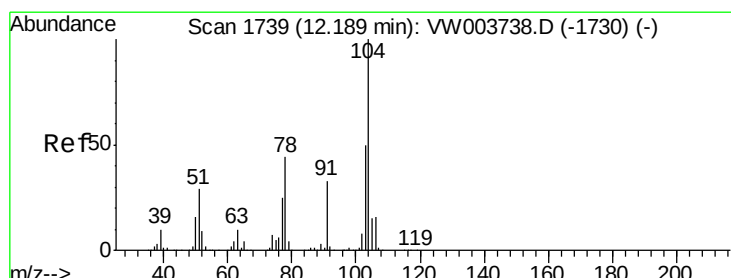
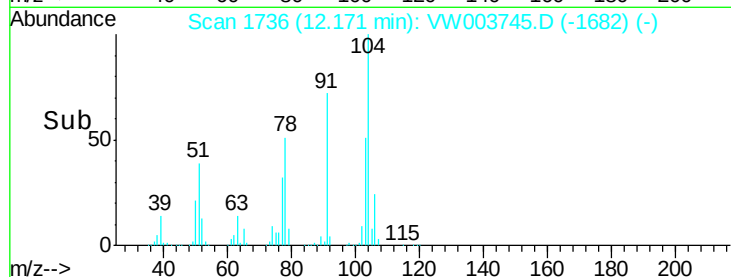
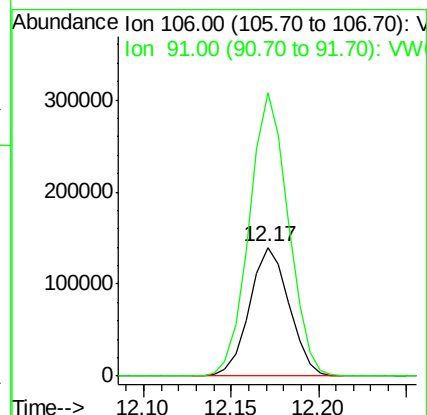
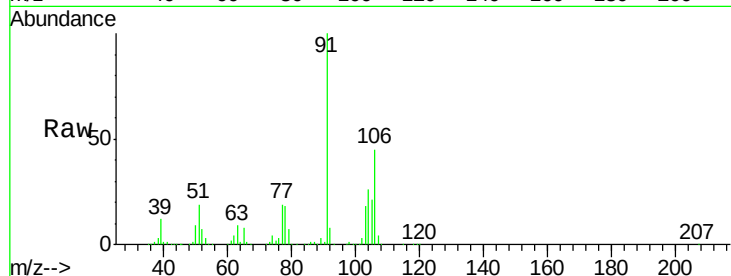




#55
o-xylene
Concen: 25.398 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

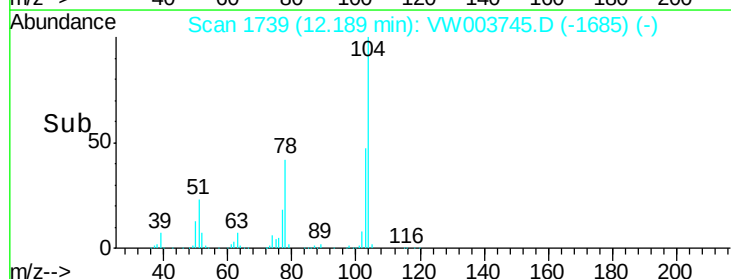
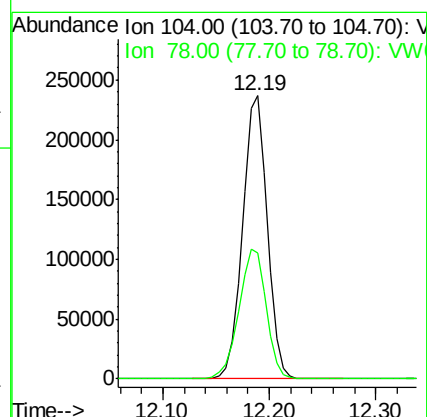
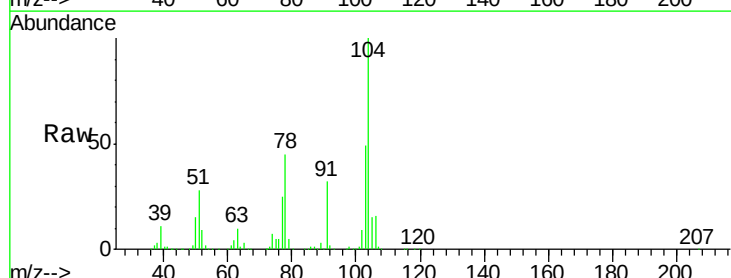
Instrument :
MSVOA_W
ClientSampleId :
VSTD02587

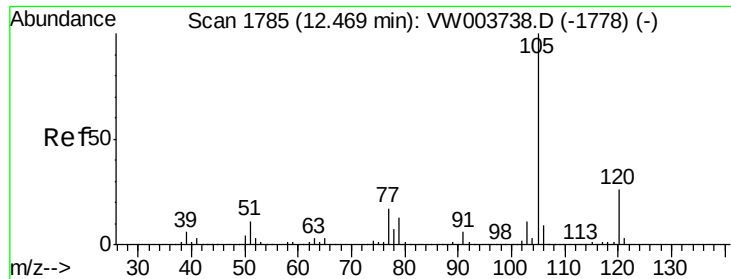
Tgt Ion:106 Resp: 220144
Ion Ratio Lower Upper
106 100
91 220.1 153.7 285.5



#56
Styrene
Concen: 25.351 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003745.D
Acq: 06 Jul 2018 19:45

Tgt Ion:104 Resp: 386035
Ion Ratio Lower Upper
104 100
78 44.6 30.9 57.3





#57

Isopropylbenzene

Concen: 25.539 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

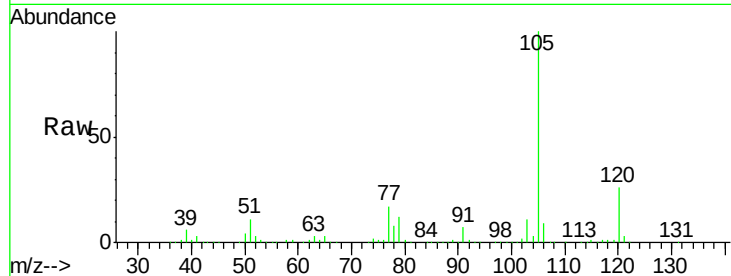
Tgt Ion: 105 Resp: 605783

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

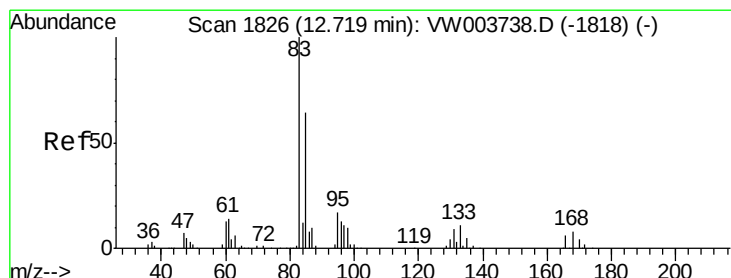
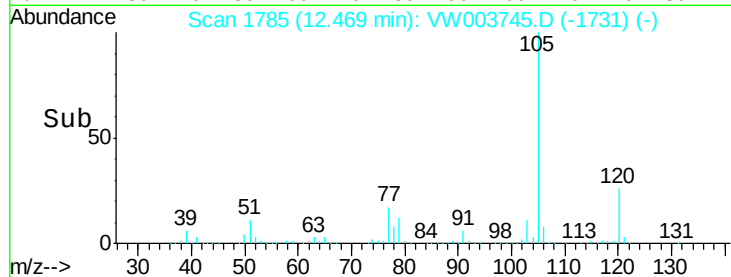
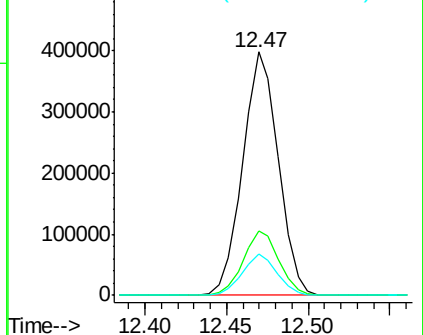
77 16.6 13.2 19.8



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: 24.427 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

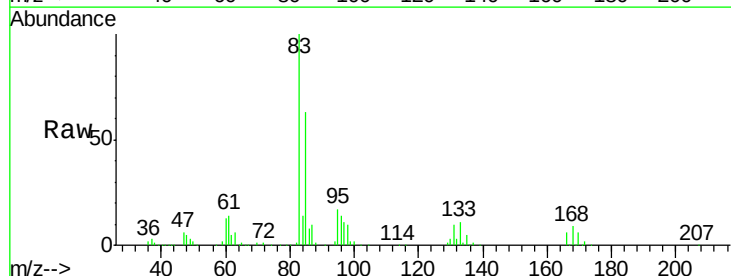
Tgt Ion: 83 Resp: 138324

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

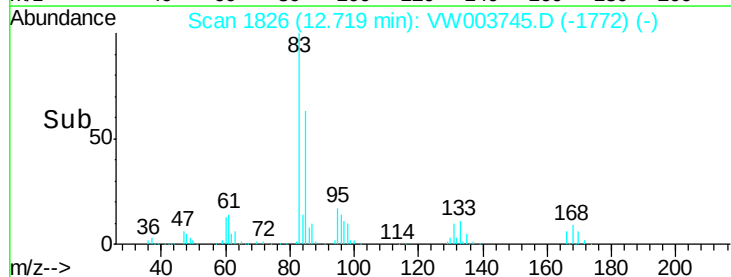
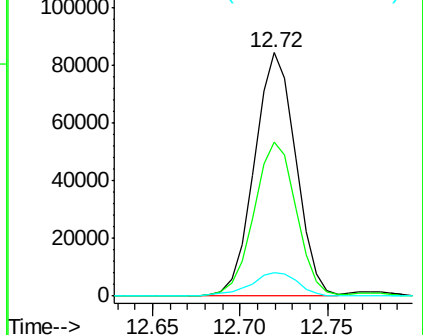
131 9.6 7.5 11.3

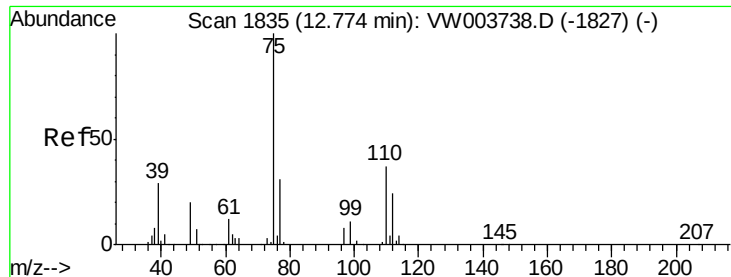


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.664 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

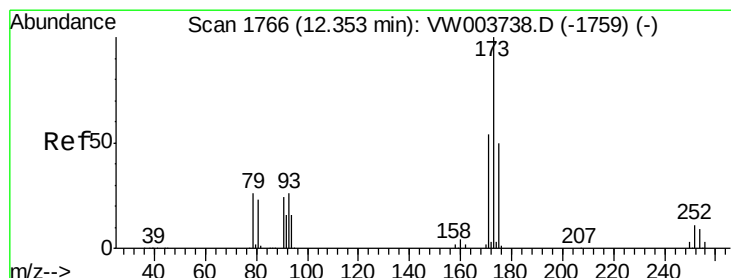
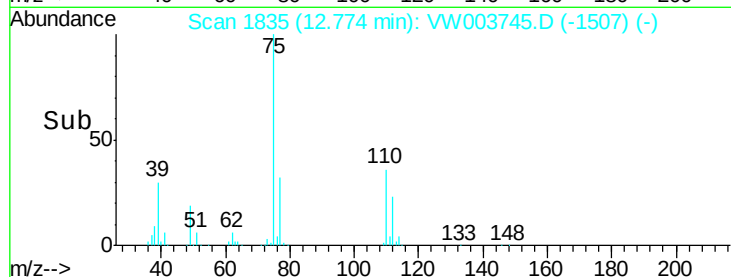
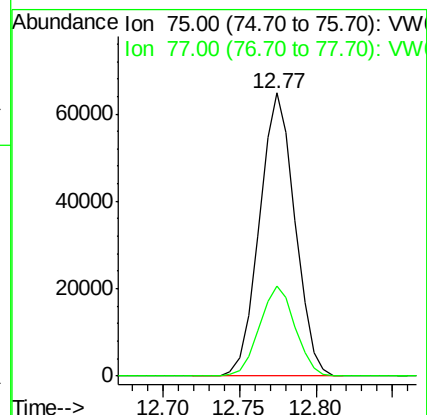
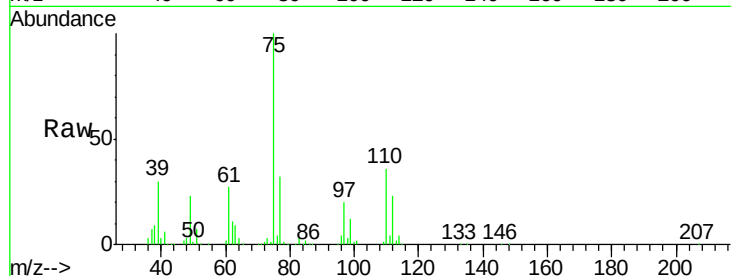
VSTD02587

Tgt Ion: 75 Resp: 104772

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#62

Bromoform

Concen: 23.928 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

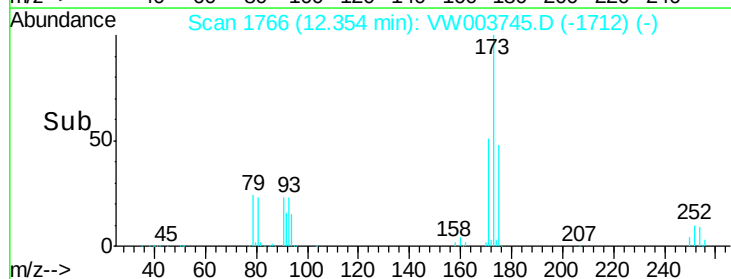
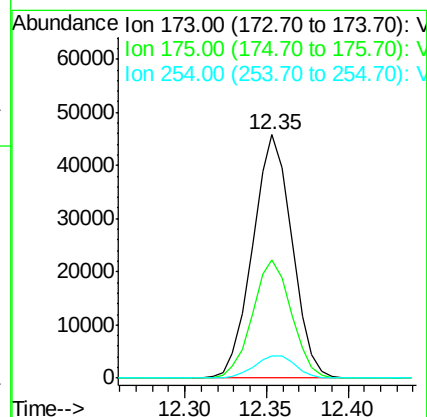
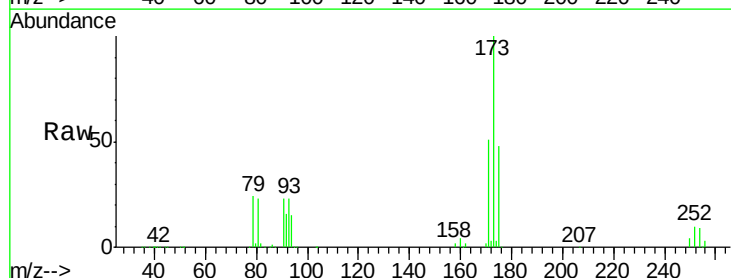
Tgt Ion: 173 Resp: 77019

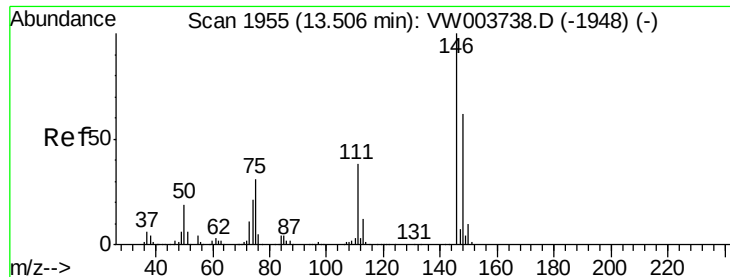
Ion Ratio Lower Upper

173 100

175 48.1 39.5 59.3

254 9.7 7.4 11.0

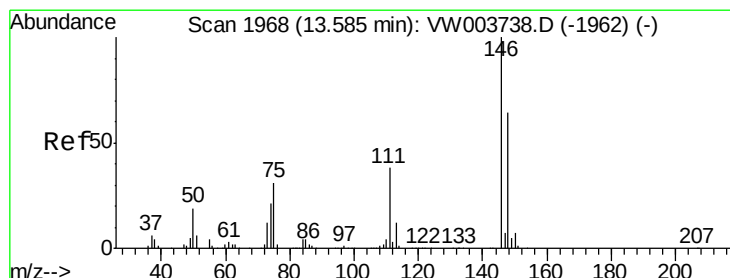
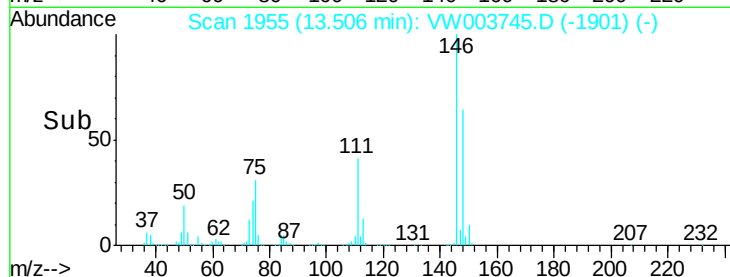
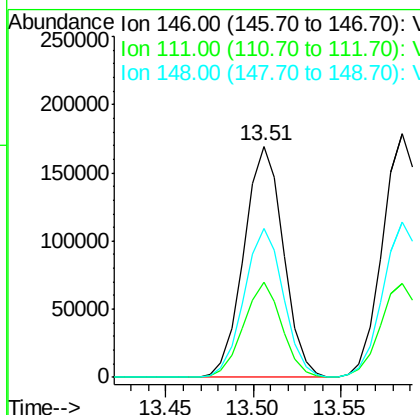
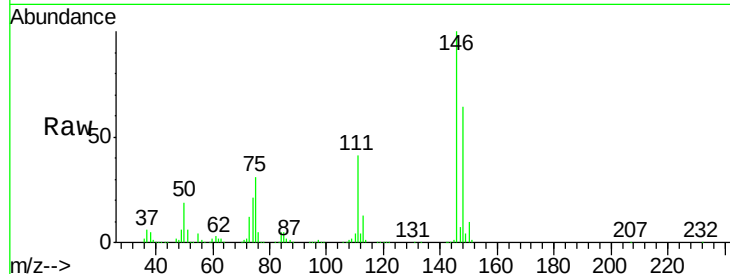




#63
 1,3-Dichlorobenzene
 Concen: 24.035 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

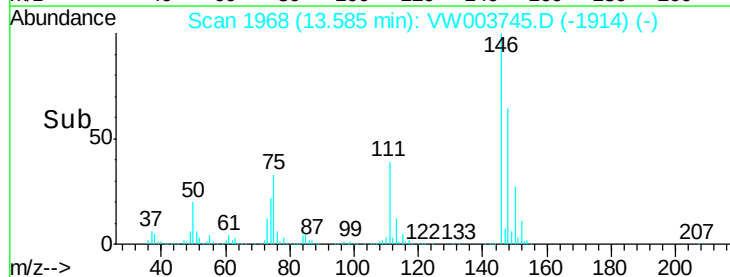
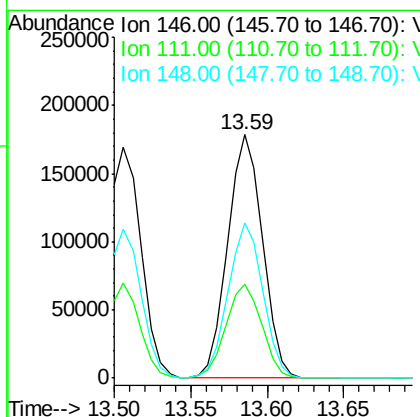
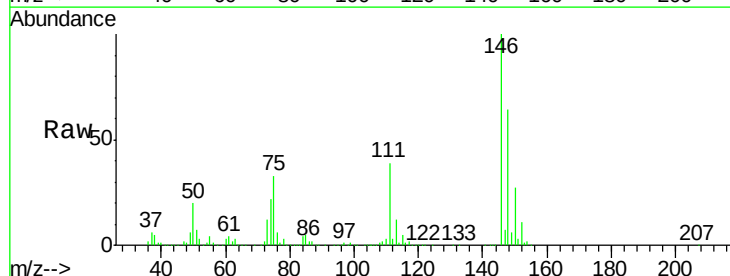
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

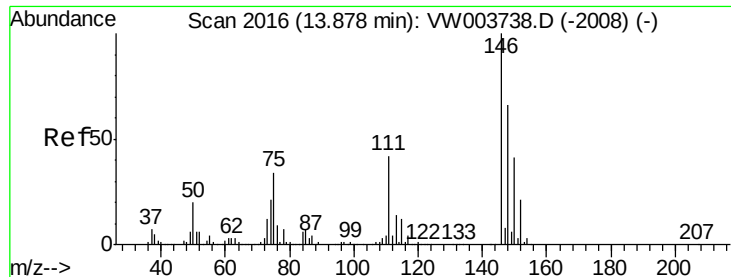
Tgt Ion:146 Resp: 267642
 Ion Ratio Lower Upper
 146 100
 111 41.2 26.9 50.1
 148 64.4 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 23.284 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Tgt Ion:146 Resp: 282103
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.0 50.2
 148 63.8 44.5 82.7

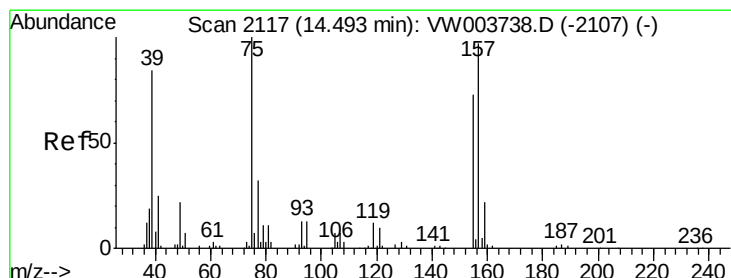
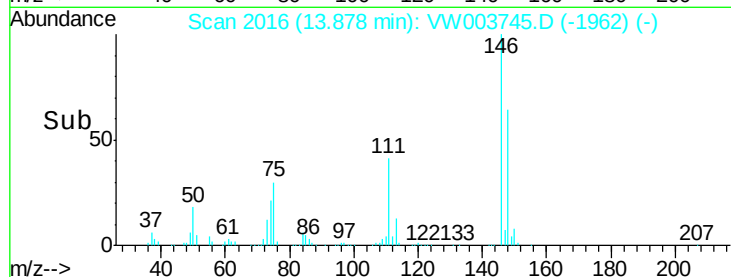
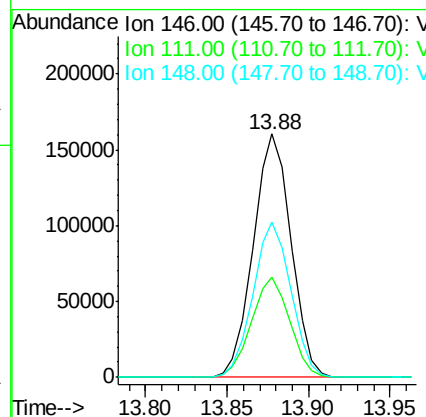
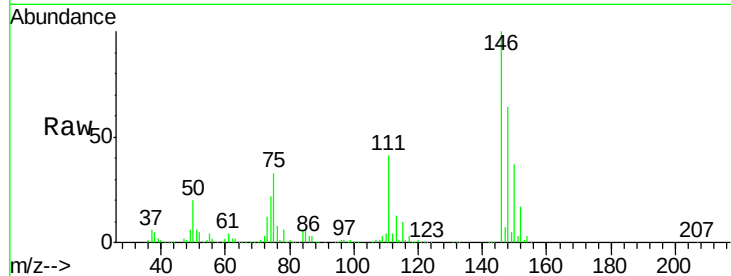




#65
 1,2-Dichlorobenzene
 Concen: 23.702 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

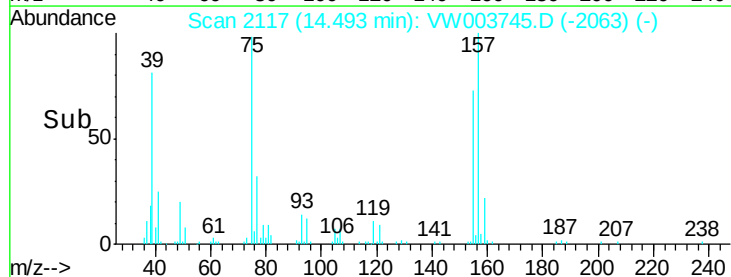
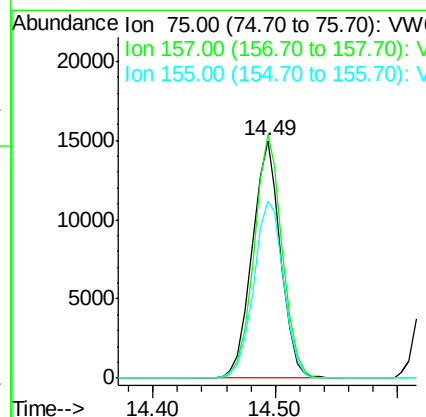
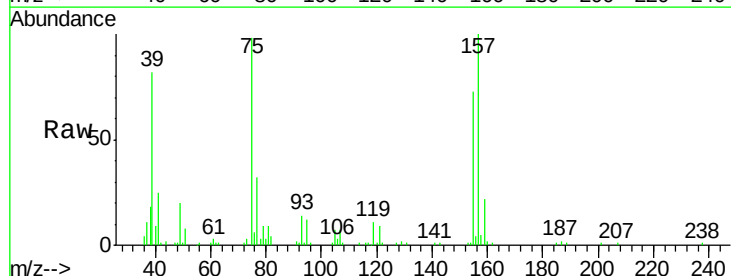
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

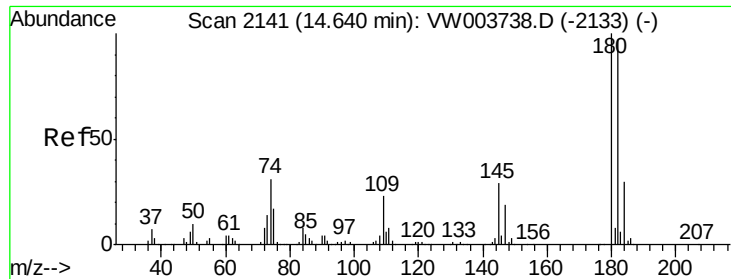
Tgt Ion: 146 Resp: 259043
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.8 50.8
 148 64.0 52.8 79.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.569 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Tgt Ion: 75 Resp: 24053
 Ion Ratio Lower Upper
 75 100
 157 102.4 77.3 115.9
 155 74.4 58.2 87.2

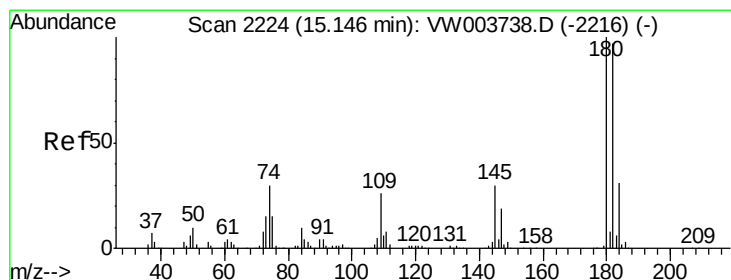
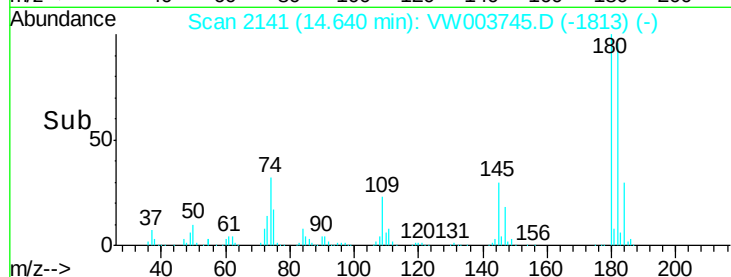
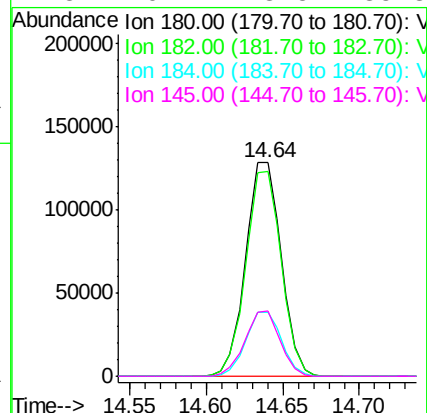
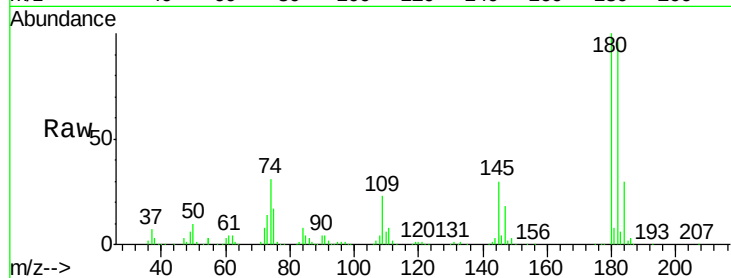




#67
 1,3,5-Trichlorobenzene
 Concen: 23.682 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

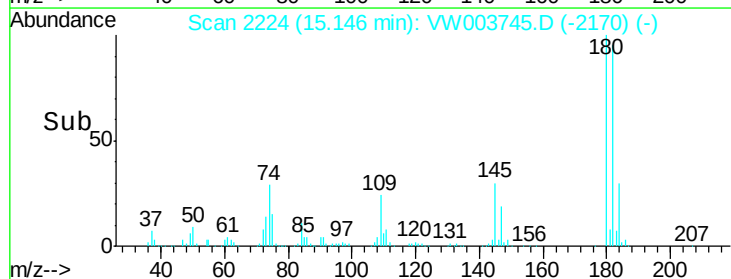
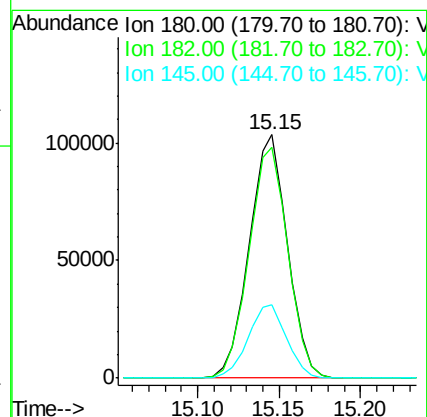
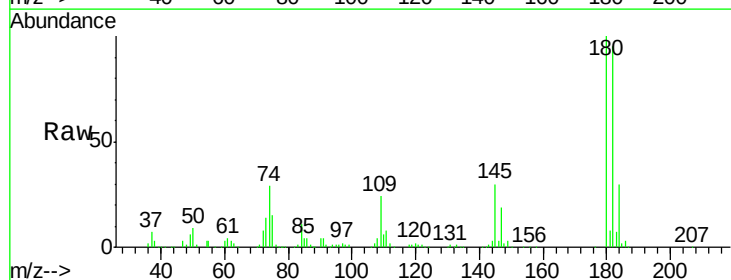
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02587

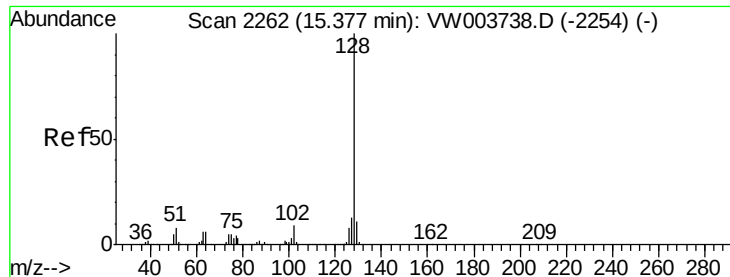
Tgt Ion:180 Resp: 208144
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.7 115.1
 184 30.3 24.1 36.1
 145 29.7 23.5 35.3



#68
 1,2,4-trichlorobenzene
 Concen: 23.827 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003745.D
 Acq: 06 Jul 2018 19:45

Tgt Ion:180 Resp: 168998
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.2
 145 30.4 23.8 35.6





#69

Naphthalene

Concen: 25.448 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD02587

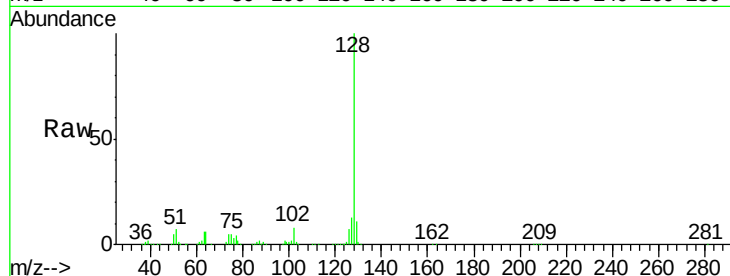
Tgt Ion:128 Resp: 367696

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

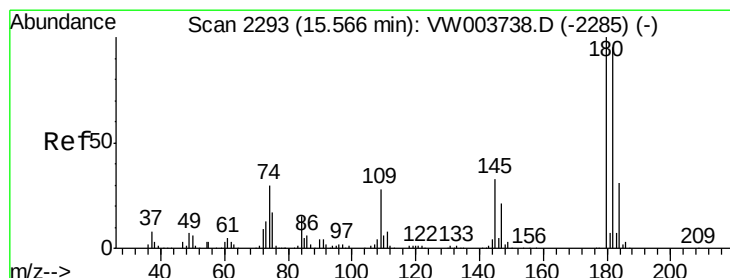
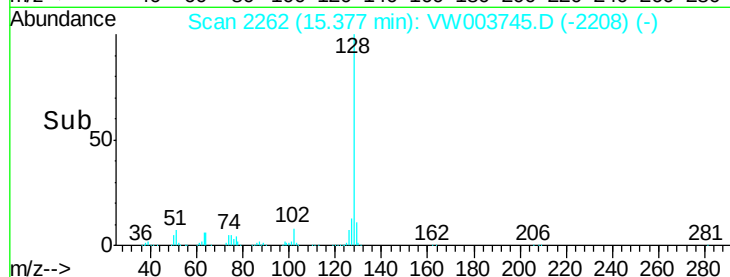
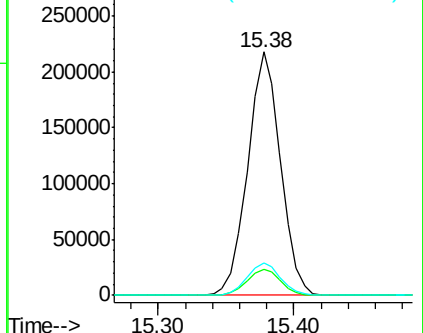
127 13.5 10.9 16.3



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: 24.026 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003745.D

Acq: 06 Jul 2018 19:45

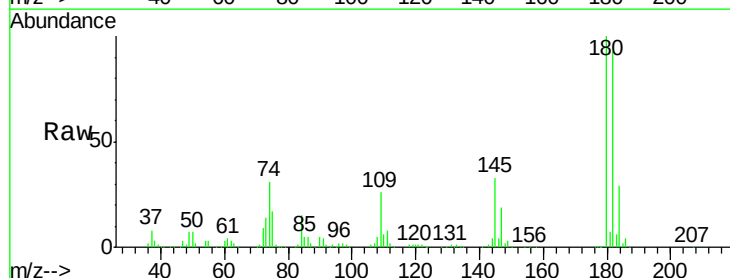
Tgt Ion:180 Resp: 162420

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 32.1 25.0 37.6



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

