

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100218\
 Data File : VW005786.D
 Acq On : 02 Oct 2018 19:48
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/105ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 03 05:23:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 03 05:07:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	266187	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	260909	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	139655	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	64739	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
7) Chloroethane-d5	2.90	69	55346	20.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.64%
10) 1,1-Dichloroethene-d2	4.01	63	159660	21.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.20%
20) 2-Butanone-d5	7.08	46	62072	56.98	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.96%
24) Chloroform-d	7.65	84	170474	24.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.72%
26) 1,2-Dichloroethane-d4	8.31	65	108714	26.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.00%
29) Benzene-d6	8.27	84	319367	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	9.28	67	95521	25.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.36%
37) Toluene-d8	10.33	98	305516	23.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.84%
38) trans-1,3-Dichloropropene-	10.58	79	46889	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.68%
39) 2-Hexanone-d5	10.93	63	51508	58.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100497	27.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	122700	24.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	74026	23.716	ug/L 90
3) Chloromethane	2.21	50	58760	20.209	ug/L 98
5) Vinyl chloride	2.37	62	92163	21.983	ug/L 99
6) Bromomethane	2.78	94	56441	22.376	ug/L 97
8) Chloroethane	2.93	64	53334	22.880	ug/L 90
9) Trichlorofluoromethane	3.26	101	64031	19.989	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	91466	25.276	ug/L 99
12) 1,1-Dichloroethene	4.04	96	81258	23.511	ug/L 89
13) Acetone	4.13	43	54280	47.847	ug/L 70
14) Carbon disulfide	4.37	76	234640	21.652	ug/L 99
15) Methyl Acetate	4.67	43	54432	27.037	ug/L 97
16) Methylene chloride	4.91	84	101908	23.219	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	132692	24.129	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	86504	24.336	ug/L 89
19) 1,1-Dichloroethane	6.21	63	170385	25.905	ug/L 98
21) 2-Butanone	7.18	43	71936	52.948	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	95254	24.654	ug/L 96

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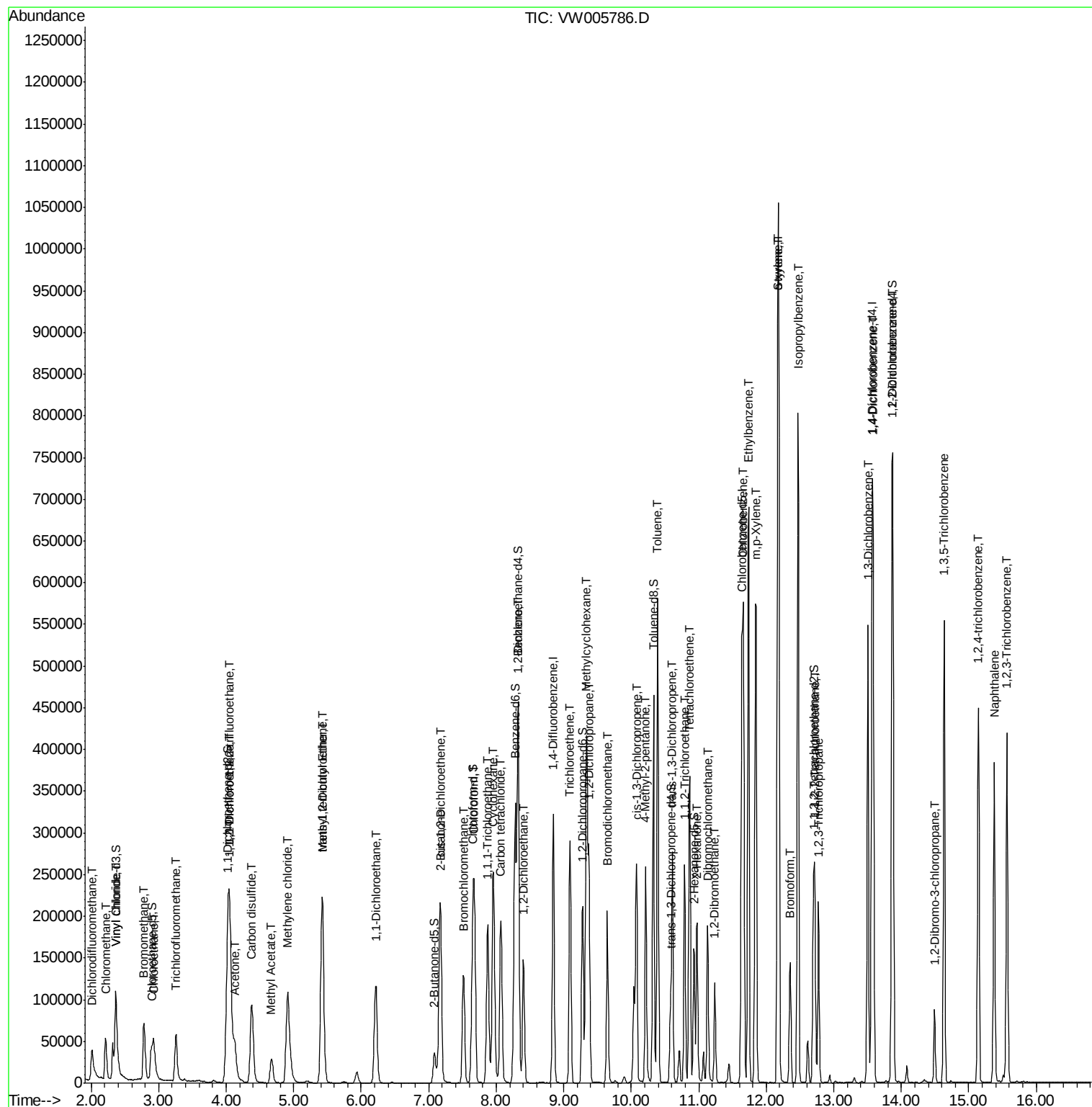
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	47518	26.499	ug/L	93
25) Chloroform	7.68	83	182040	25.868	ug/L	99
27) 1,2-Dichloroethane	8.40	62	139192	26.864	ug/L	100
30) Cyclohexane	7.96	56	137204	23.202	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	155522	24.341	ug/L	99
32) Carbon tetrachloride	8.07	117	154598	24.847	ug/L	100
34) Benzene	8.32	78	382608	25.953	ug/L	100
35) Trichloroethene	9.09	95	100063	25.371	ug/L	99
36) Methylcyclohexane	9.34	83	167544	24.430	ug/L	99
40) 1,2-Dichloropropane	9.37	63	98662	27.462	ug/L	100
41) Bromodichloromethane	9.65	83	132975	26.325	ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	150597	25.383	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	161045	54.928	ug/L	100
44) Toluene	10.39	91	420269	25.510	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	143546	25.983	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	79861	26.638	ug/L	98
47) Tetrachloroethene	10.87	164	86275	24.830	ug/L	95
49) 2-Hexanone	10.98	43	120579	58.589	ug/L	98
50) Dibromochloromethane	11.13	129	101441	26.980	ug/L	95
51) 1,2-Dibromoethane	11.24	107	77065	26.589	ug/L	95
52) Chlorobenzene	11.66	112	277746	25.627	ug/L	96
53) Ethylbenzene	11.74	91	484907	25.707	ug/L	100
54) m,p-Xylene	11.84	106	182929	25.741	ug/L	98
55) o-xylene	12.17	106	174726	26.086	ug/L	98
56) Styrene	12.18	104	318163	27.067	ug/L	95
57) Isopropylbenzene	12.47	105	492701	25.753	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	108184	28.288	ug/L	92
59) 1,2,3-Trichloropropane	12.77	75	86282	27.793	ug/L	99
62) Bromoform	12.35	173	67962	27.366	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	220169	24.820	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	234910	25.358	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	222325	26.046	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21566	26.572	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	178674	24.541	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	152368	25.476	ug/L	99
69) Naphthalene	15.38	128	319924	26.696	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	145649	25.984	ug/L	100

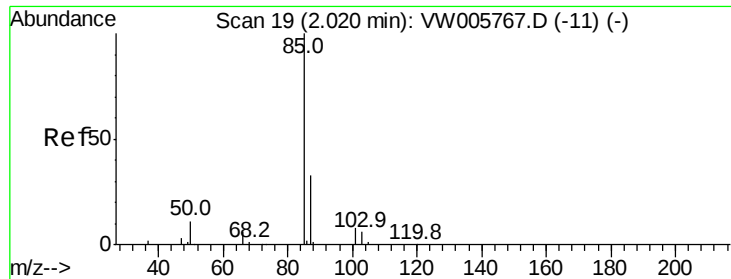
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.716 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

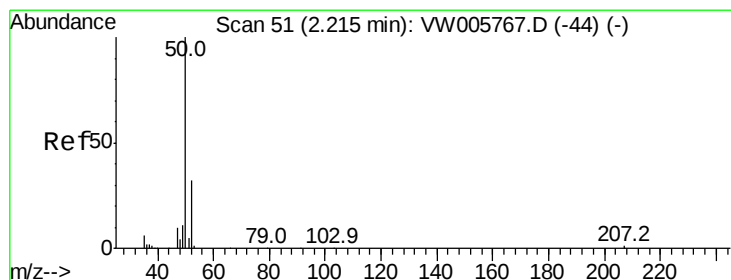
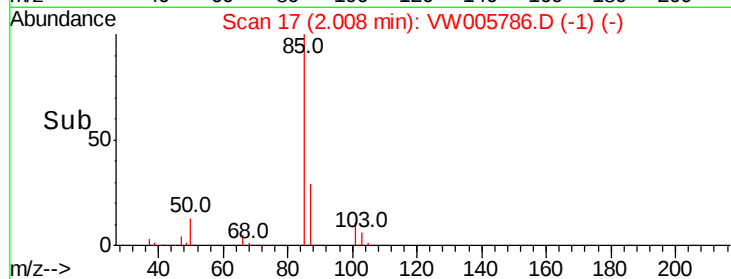
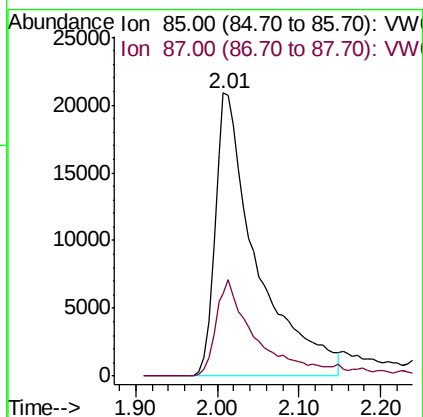
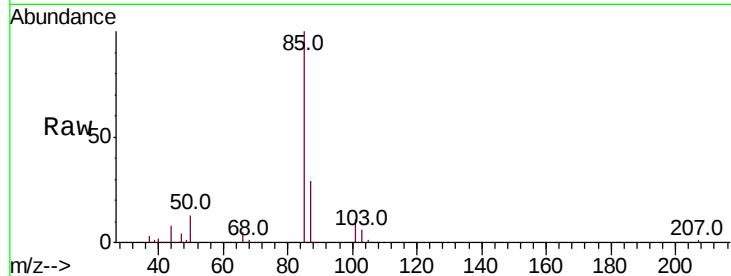
ClientSampleId :

Tot Ion: 85 Resp: 74026

Ion Ratio Lower Upper

85 100

87 32.4 19.2 35.6



#3

Chloromethane

Concen: 20.209 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005786.D

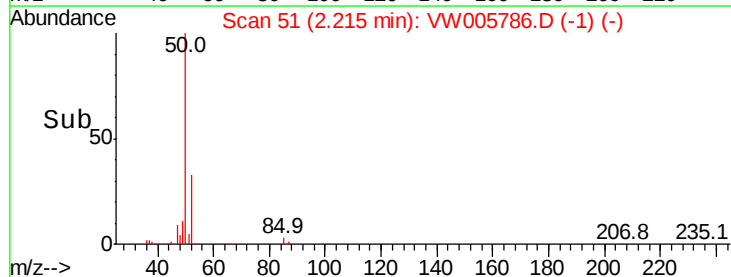
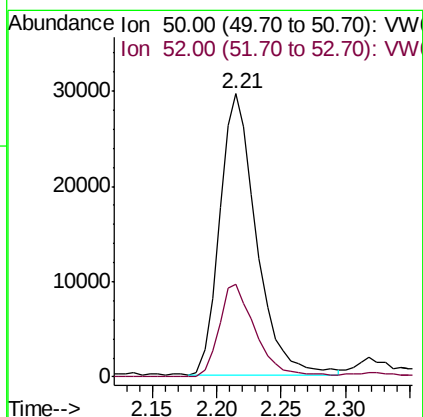
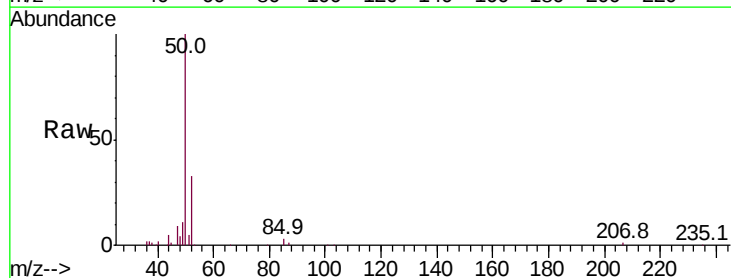
Acq: 02 Oct 2018 19:48

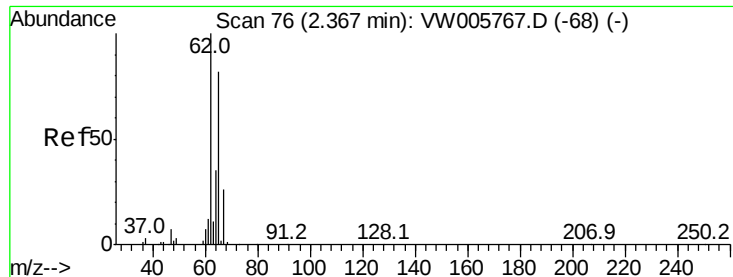
Tgt Ion: 50 Resp: 58760

Ion Ratio Lower Upper

50 100

52 32.5 23.4 43.4





#5

Vinyl chloride

Concen: 21.983 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

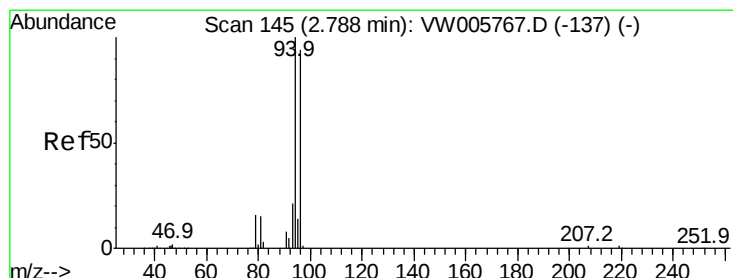
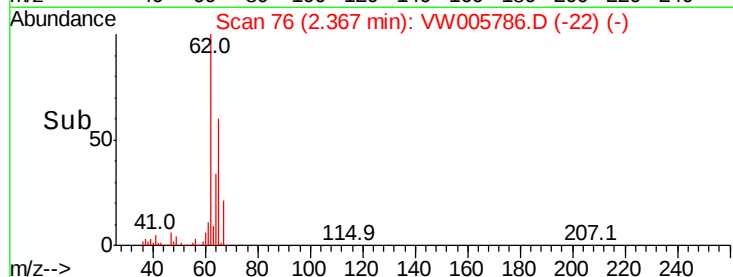
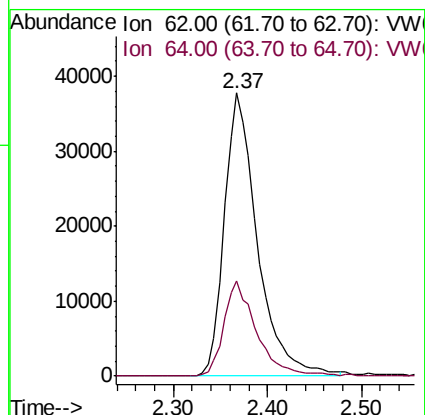
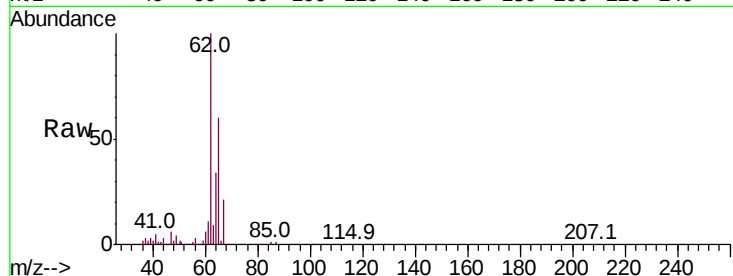
ClientSampleId :

Tot Ion: 62 Resp: 92163

Ion Ratio Lower Upper

62 100

64 33.7 24.1 44.7



#6

Bromomethane

Concen: 22.376 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW005786.D

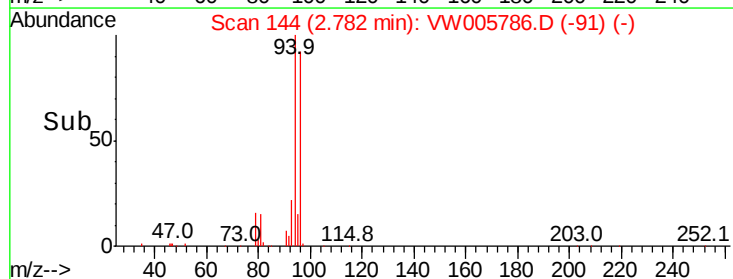
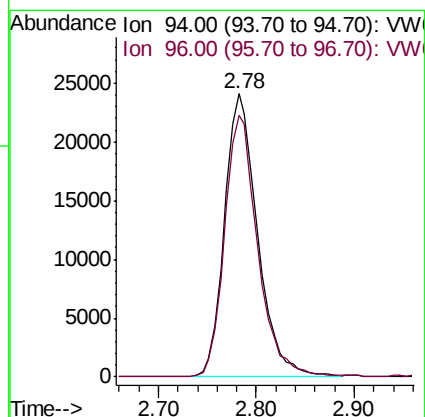
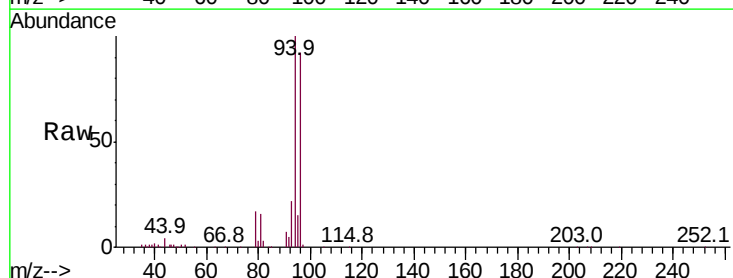
Acq: 02 Oct 2018 19:48

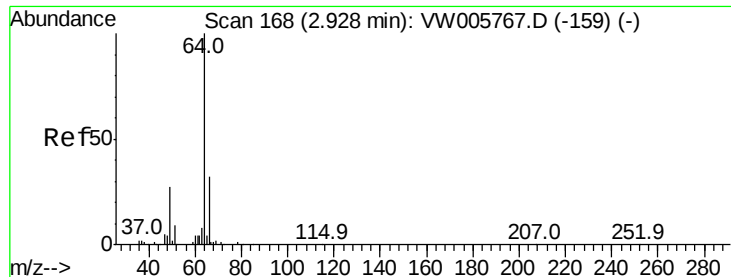
Tgt Ion: 94 Resp: 56441

Ion Ratio Lower Upper

94 100

96 92.8 9.6 181.6





#8

Chloroethane

Concen: 22.880 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

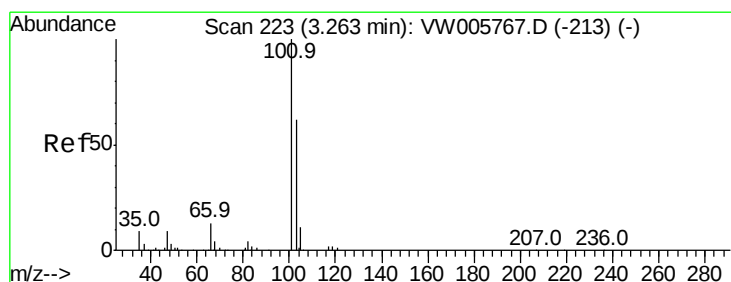
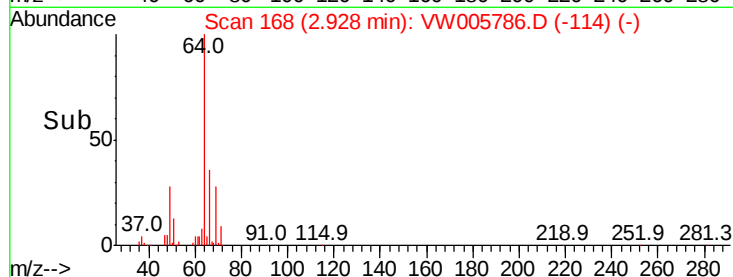
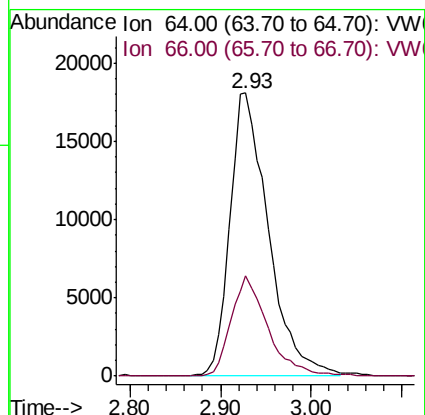
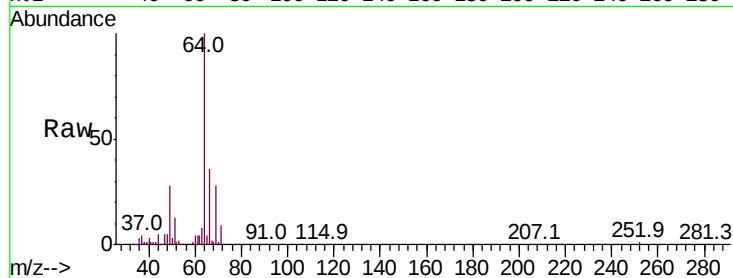
ClientSampleId :

Tot Ion: 64 Resp: 53334

Ion Ratio Lower Upper

64 100

66 35.5 21.1 39.3



#9

Trichlorofluoromethane

Concen: 19.989 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW005786.D

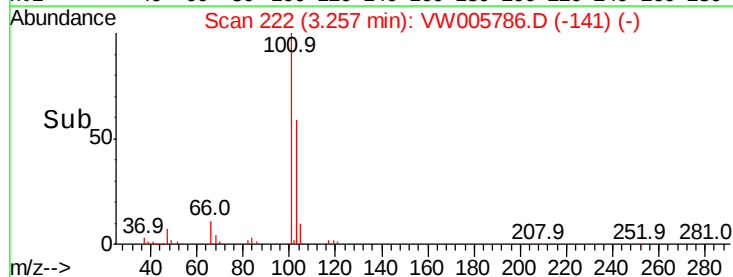
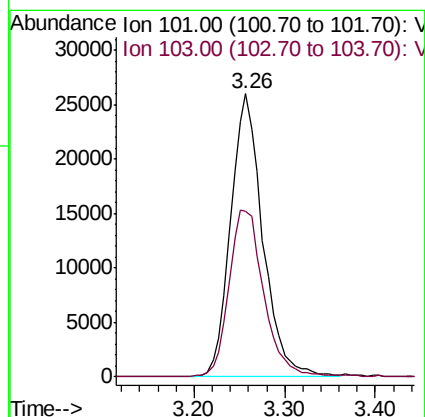
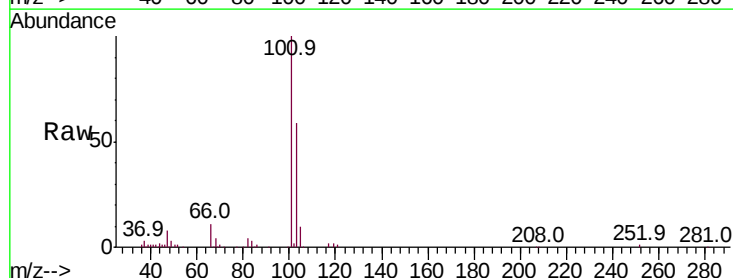
Acq: 02 Oct 2018 19:48

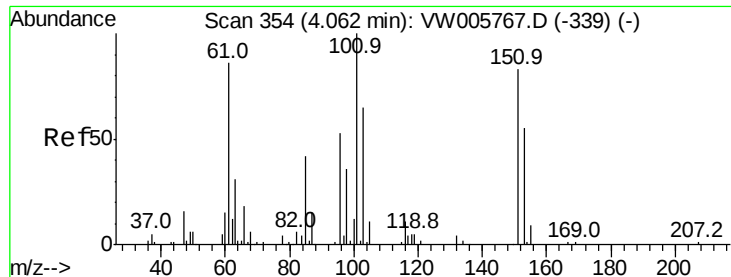
Tgt Ion: 101 Resp: 64031

Ion Ratio Lower Upper

101 100

103 63.4 44.9 83.5





#11

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

Concen: 25.276 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

ClientSampled :

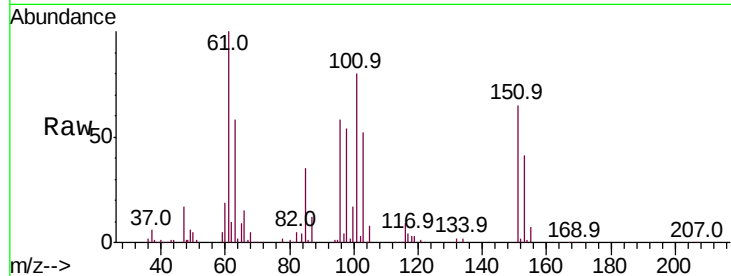
Tot Ion:101 Resp: 91466

Ion Ratio Lower Upper

101 100

85 43.3 35.0 52.4

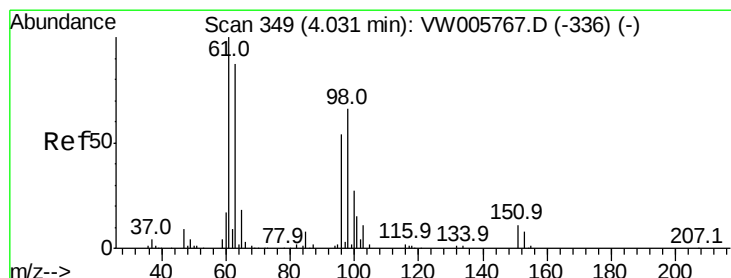
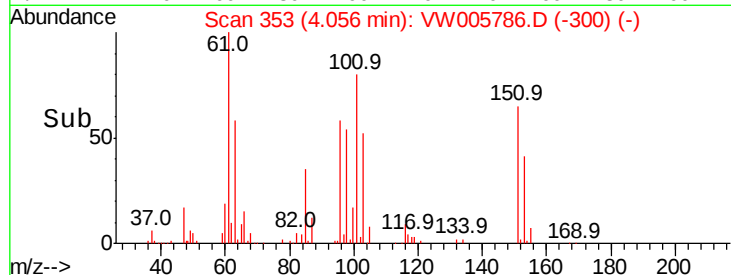
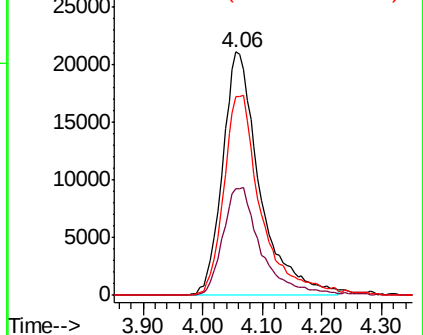
151 81.3 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.511 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

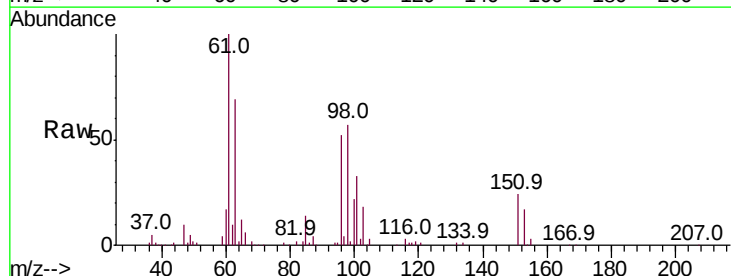
Tgt Ion: 96 Resp: 81258

Ion Ratio Lower Upper

96 100

61 192.0 121.4 225.6

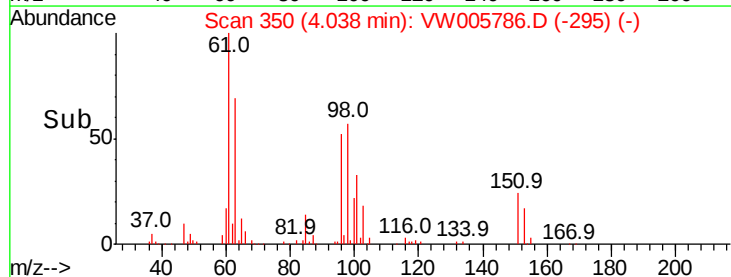
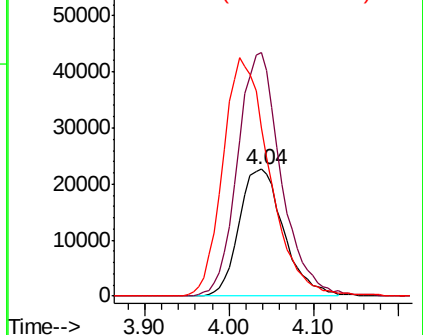
63 132.7 87.2 161.9

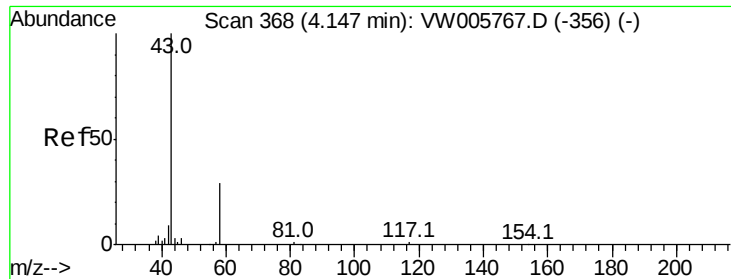


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.847 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.02 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

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MSVOA_W

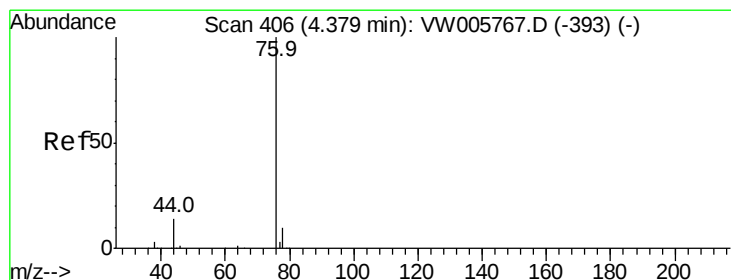
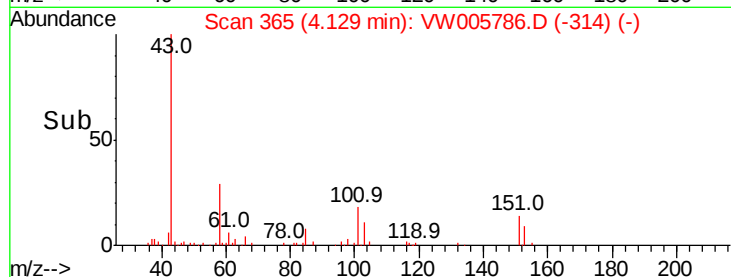
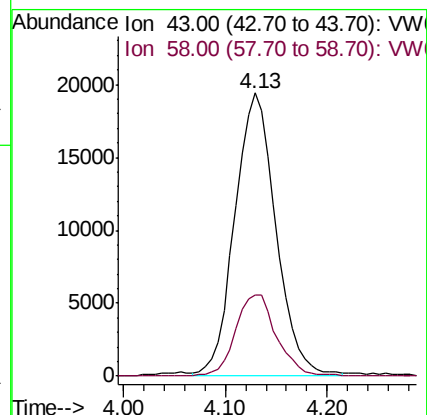
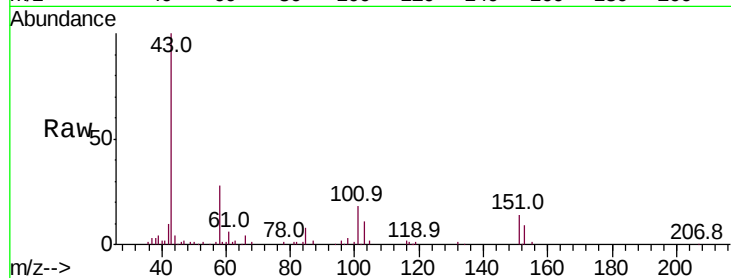
ClientSampled :

Tot Ion: 43 Resp: 54280

Ion Ratio Lower Upper

43 100

58 28.4 0.0 31.8



#14

Carbon disulfide

Concen: 21.652 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005786.D

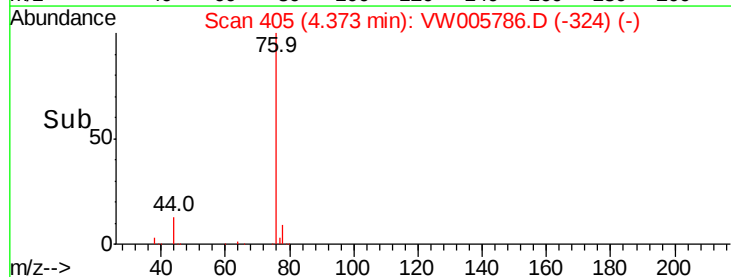
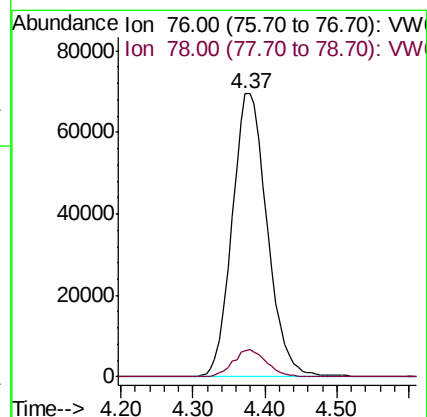
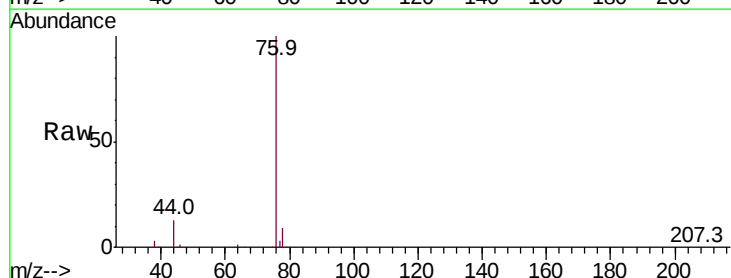
Acq: 02 Oct 2018 19:48

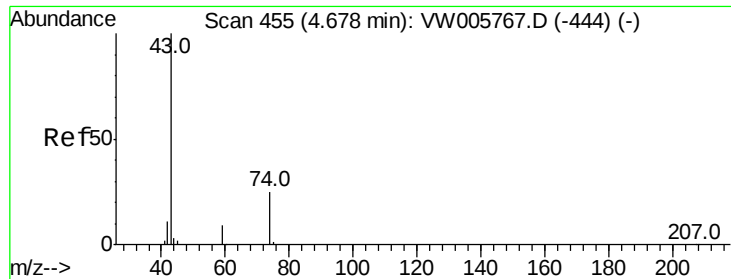
Tgt Ion: 76 Resp: 234640

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





#15

Methyl Acetate

Concen: 27.037 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

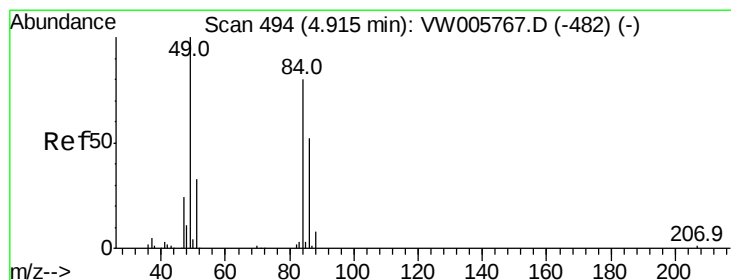
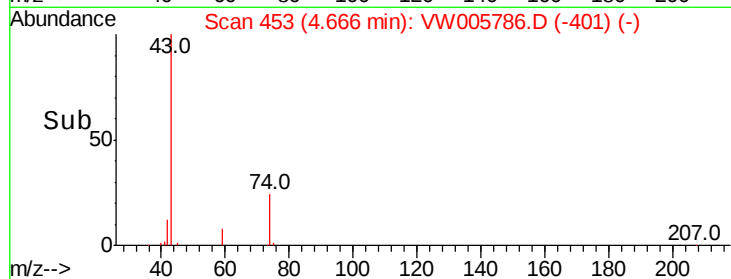
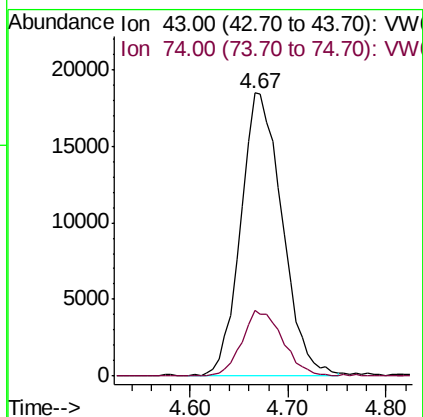
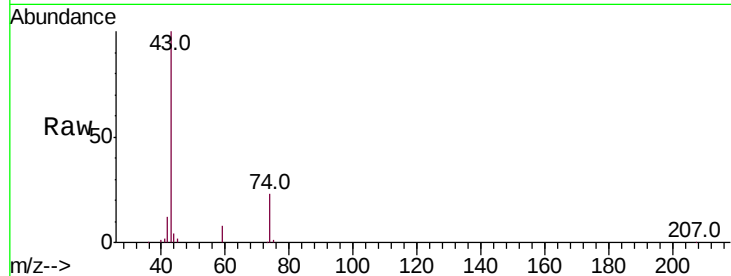
ClientSampled :

Tot Ion: 43 Resp: 54432

Ion Ratio Lower Upper

43 100

74 22.7 19.5 29.3



#16

Methylene chloride

Concen: 23.219 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

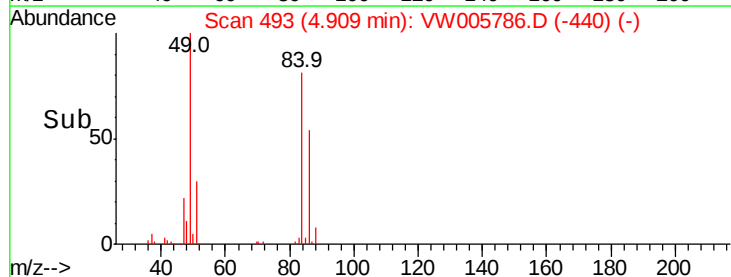
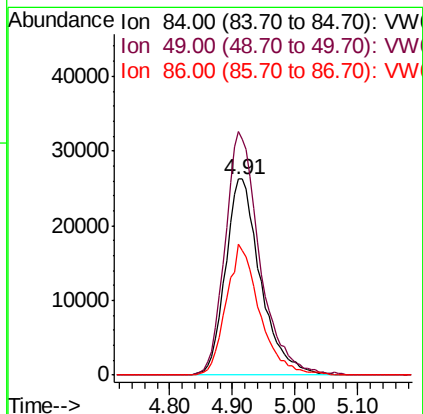
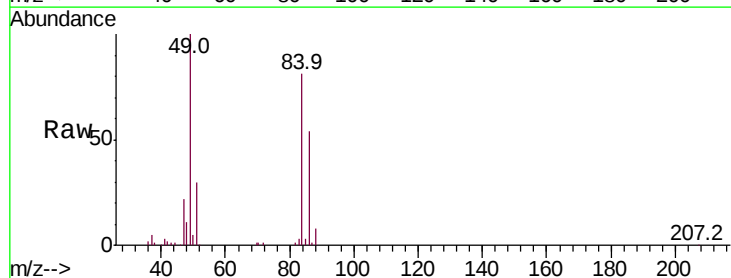
Tgt Ion: 84 Resp: 101908

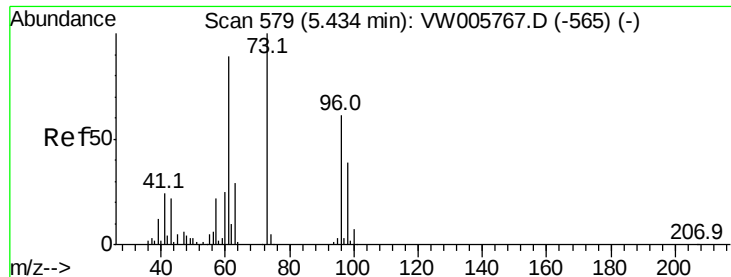
Ion Ratio Lower Upper

84 100

49 124.1 87.2 162.0

86 66.9 43.2 80.2

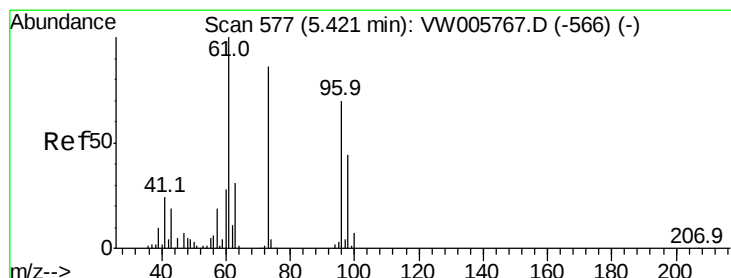
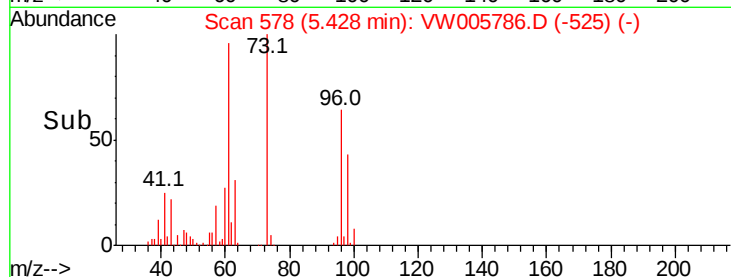
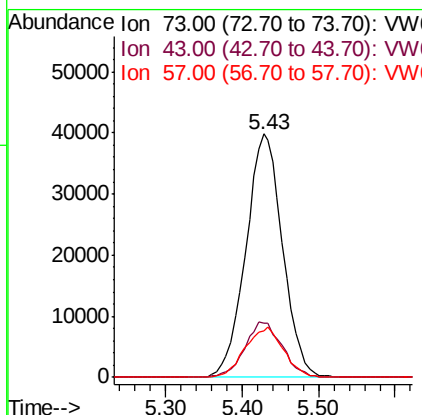
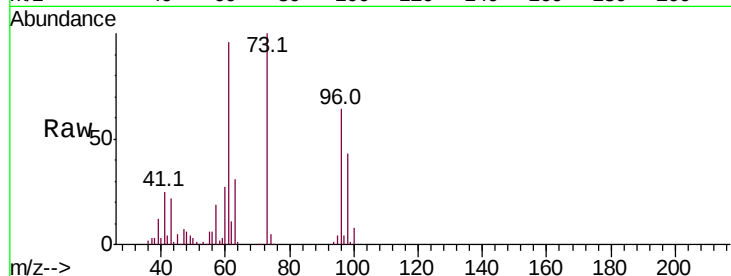




#17
Methvl tert-butvl Ether
Concen: 24.129 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

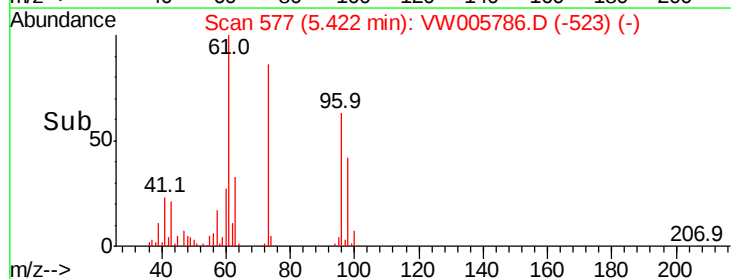
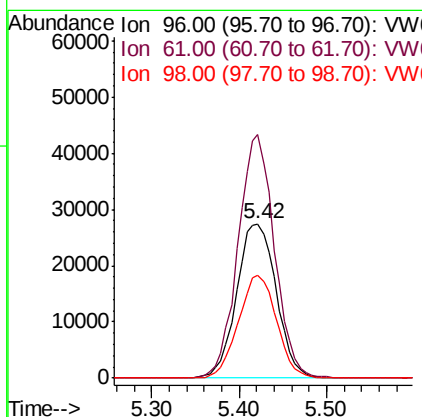
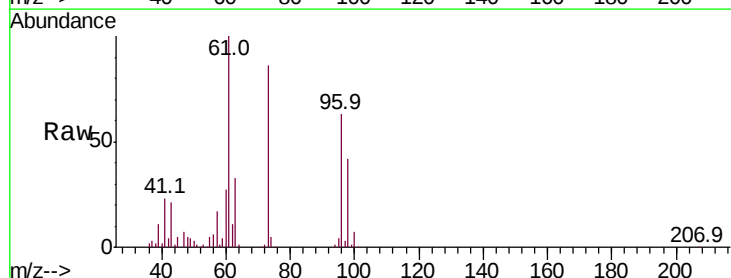
Instrument :
MSVOA_W
ClientSampled :

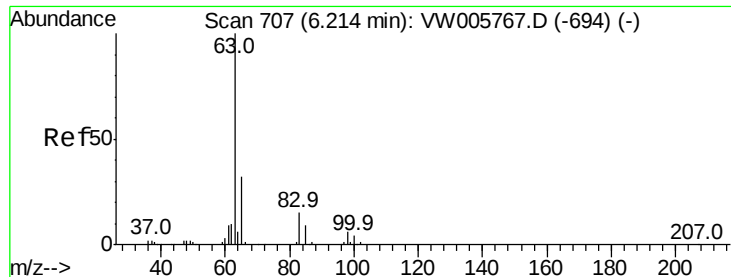
Tot Ion: 73 Resp: 132692
Ion Ratio Lower Upper
73 100
43 23.3 18.2 27.4
57 21.4 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 24.336 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

Tgt Ion: 96 Resp: 86504
Ion Ratio Lower Upper
96 100
61 158.1 98.6 183.2
98 66.6 43.7 81.1

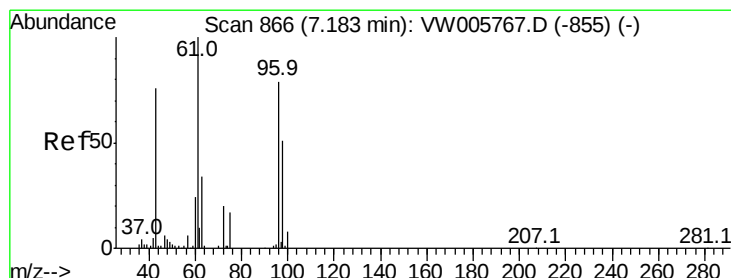
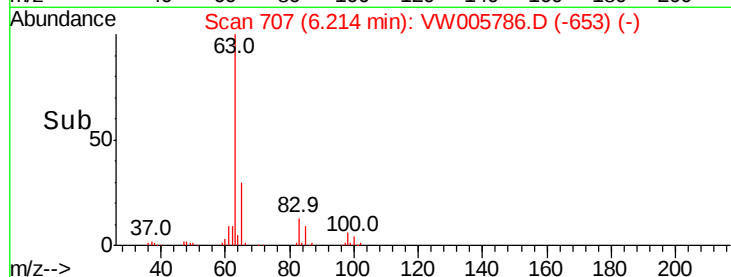
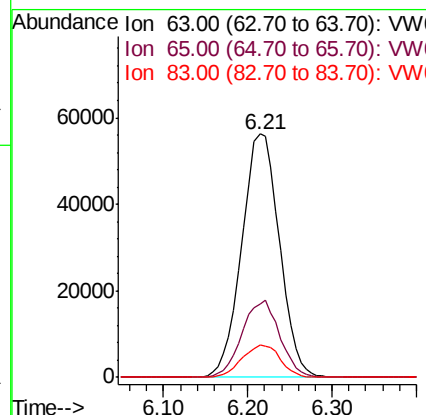
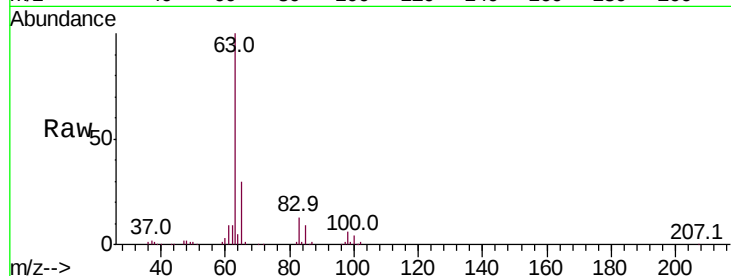




#19
 1,1-Dichloroethane
 Concen: 25.905 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

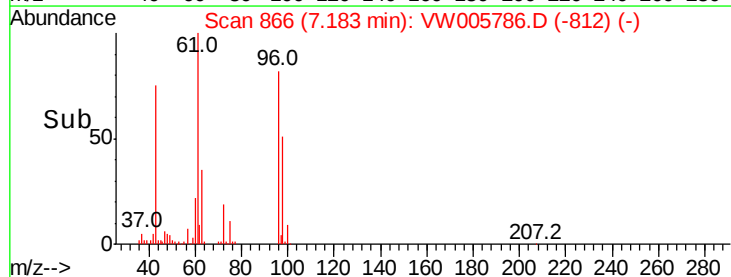
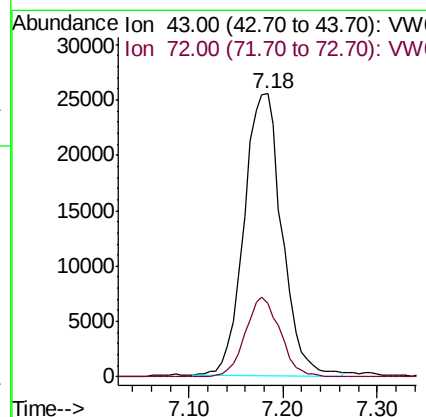
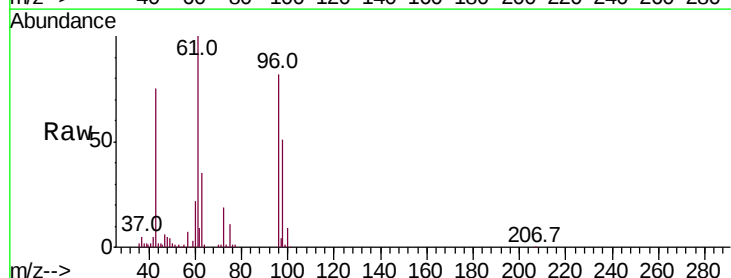
Instrument :
 MSVOA_W
 ClientSampleId :

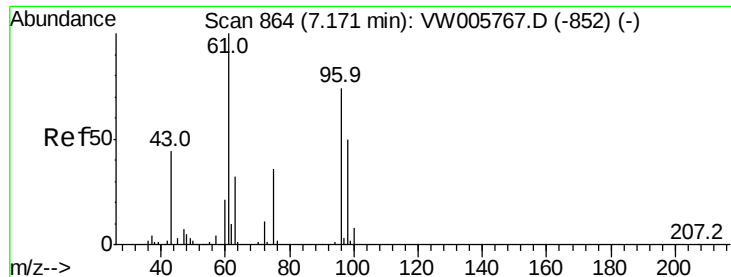
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	21.8	40.4
83	13.3	9.7	18.1



#21
 2-Butanone
 Concen: 52.948 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.2	13.2	39.6



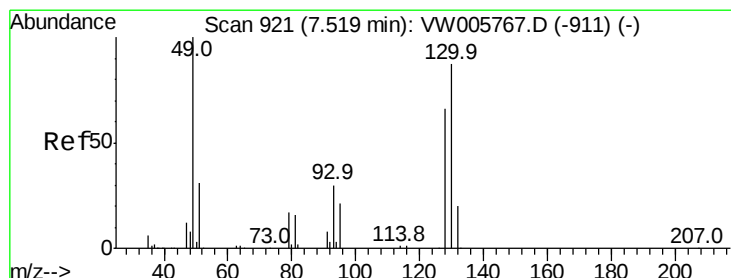
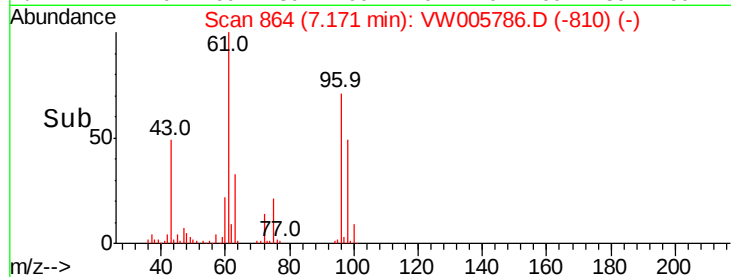
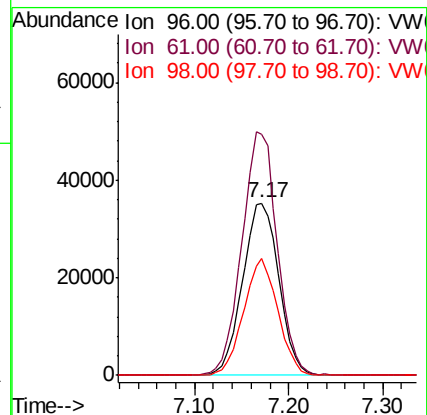
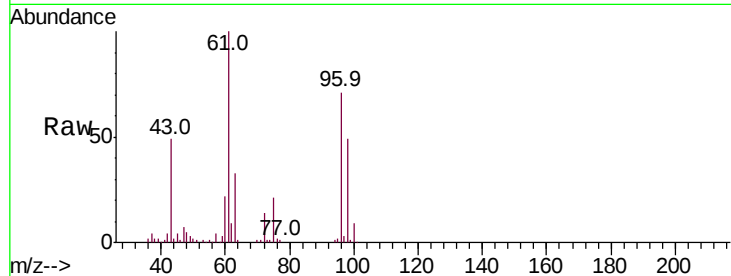


#22

cis-1,2-Dichloroethene
 Concen: 24.654 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Instrument :
 MSVOA_W
 ClientSampleId :

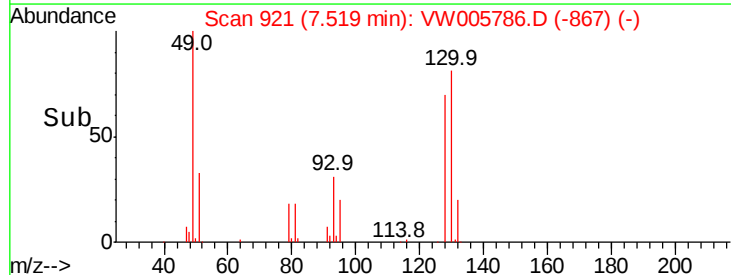
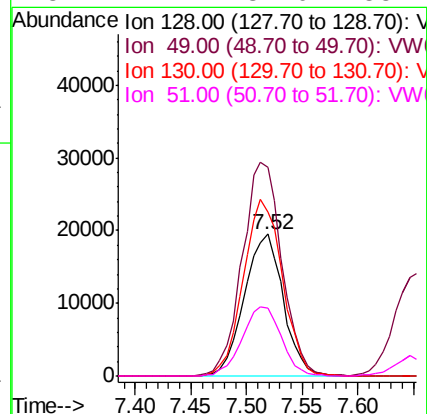
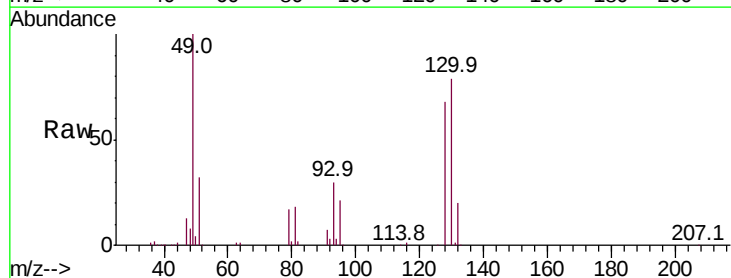
Tot Ion: 96 Resp: 95254
 Ion Ratio Lower Upper
 96 100
 61 140.5 95.7 177.7
 98 68.2 44.1 81.9

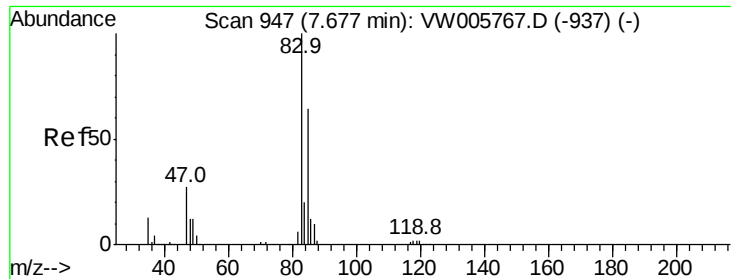


#23

Bromochloromethane
 Concen: 26.499 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Tgt Ion: 128 Resp: 47518
 Ion Ratio Lower Upper
 128 100
 49 147.0 108.1 200.7
 130 115.6 89.3 165.9
 51 47.4 37.0 55.4





#25

Chloroform

Concen: 25.868 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

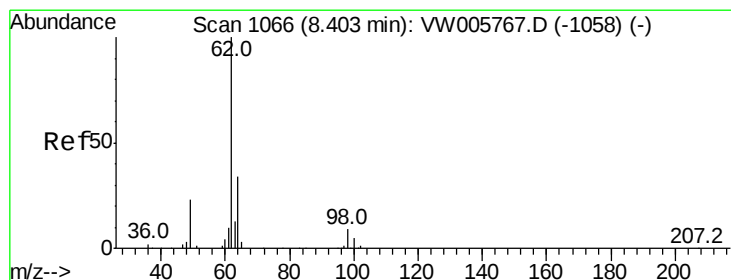
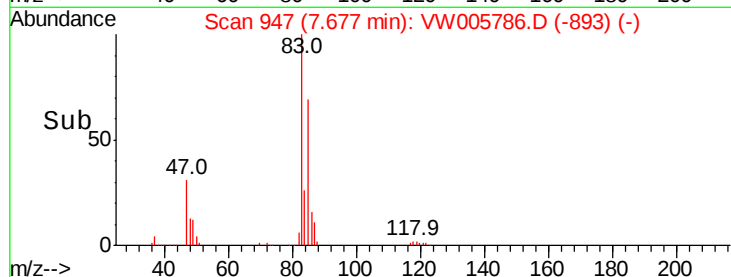
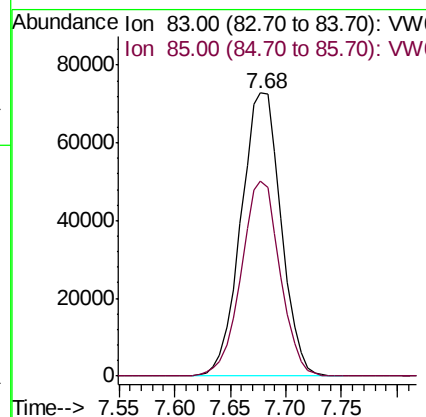
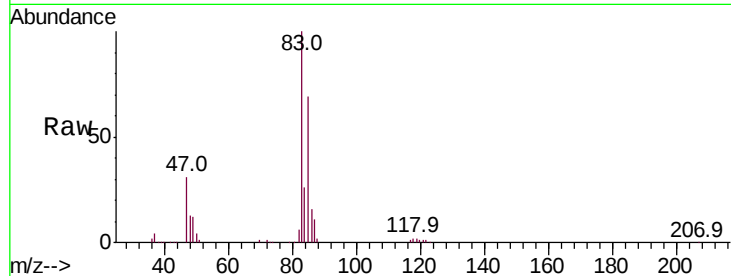
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 182040

Ion Ratio Lower Upper

83 100

85 66.7 46.0 85.4



#27

1,2-Dichloroethane

Concen: 26.864 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005786.D

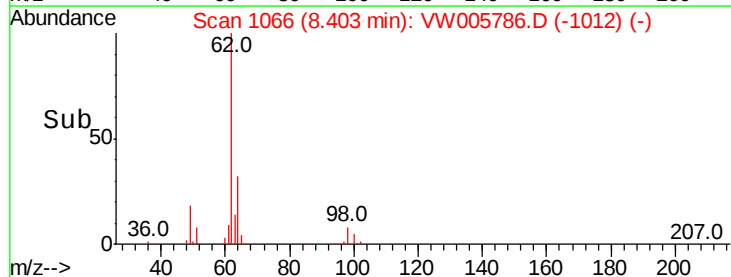
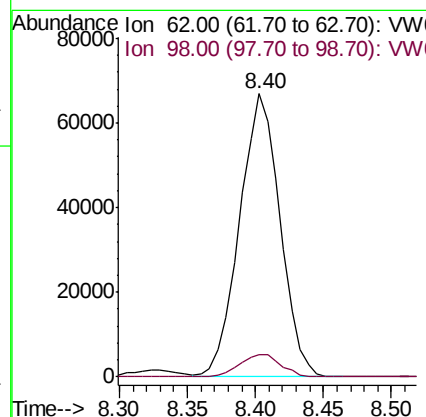
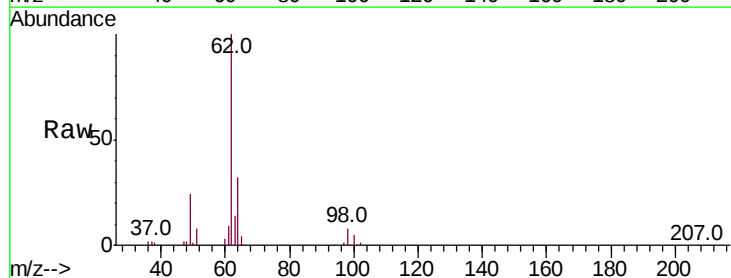
Acq: 02 Oct 2018 19:48

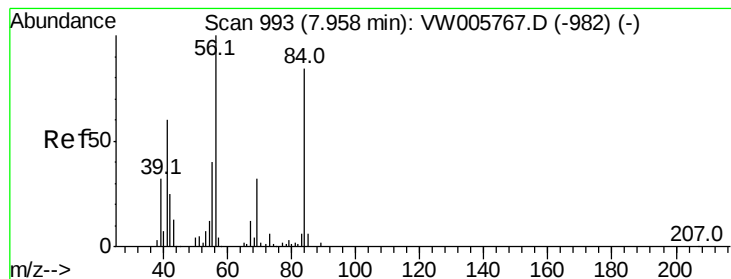
Tgt Ion: 62 Resp: 139192

Ion Ratio Lower Upper

62 100

98 7.9 6.2 9.2





#30

Cyclohexane

Concen: 23.202 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

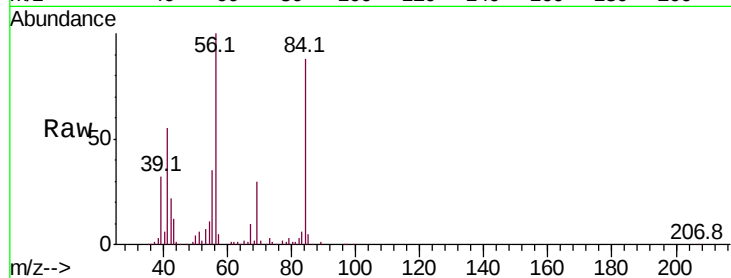
Tot Ion: 56 Resp: 137204

Ion Ratio Lower Upper

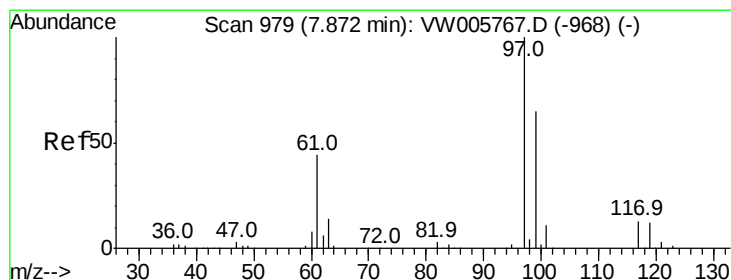
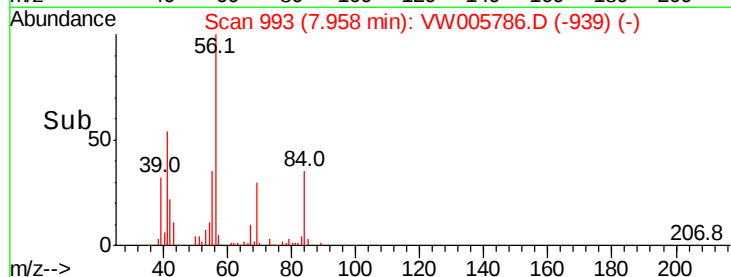
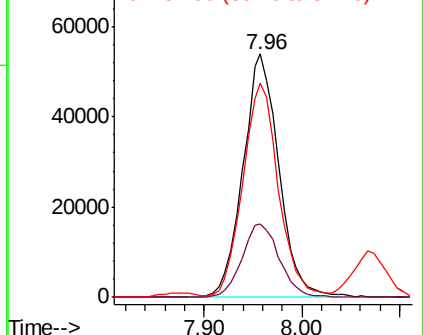
56 100

69 31.5 25.0 37.6

84 87.6 70.2 105.2



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: 24.341 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

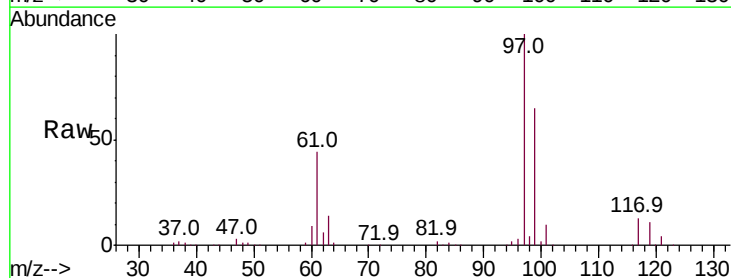
Tgt Ion: 97 Resp: 155522

Ion Ratio Lower Upper

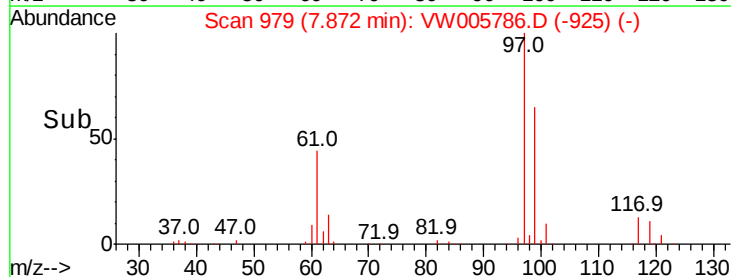
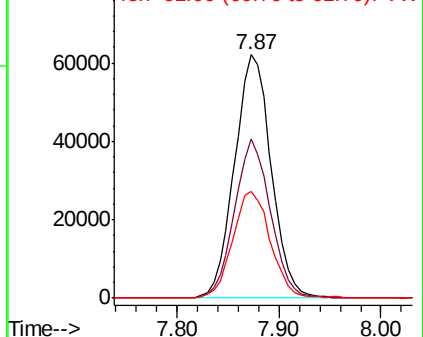
97 100

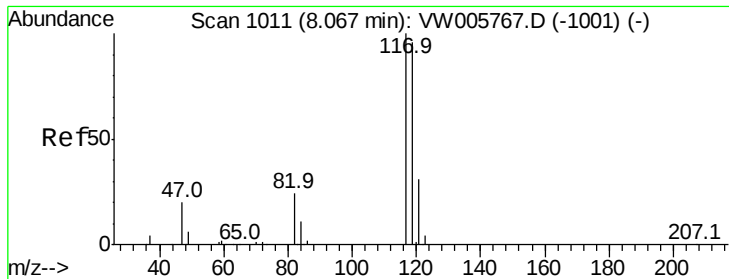
99 63.5 51.8 77.8

61 44.8 35.4 53.2



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: 24.847 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

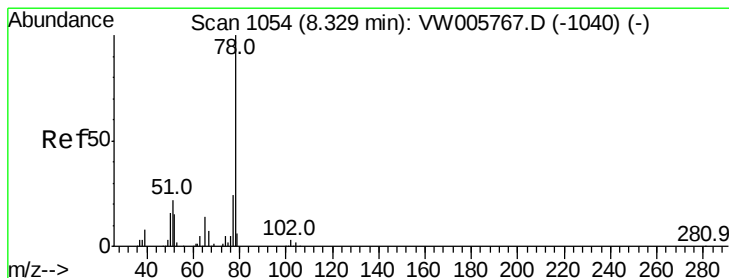
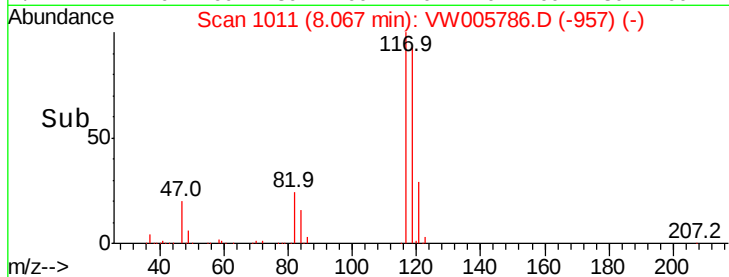
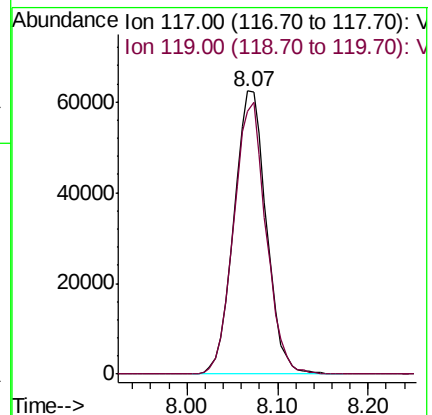
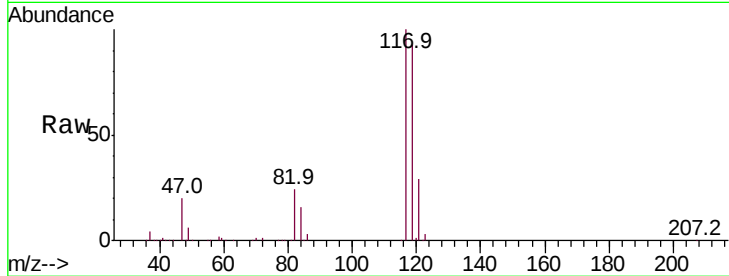
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 154598

Ion Ratio Lower Upper

117 100

119 95.9 76.9 115.3



#34

Benzene

Concen: 25.953 ug/L

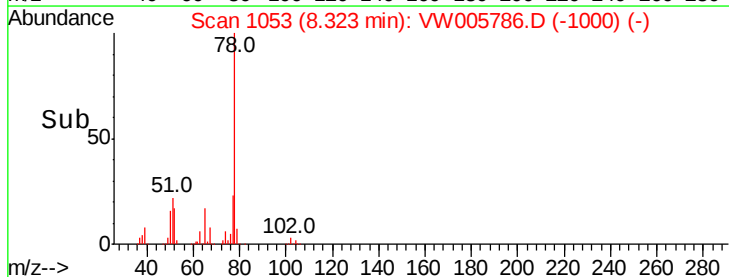
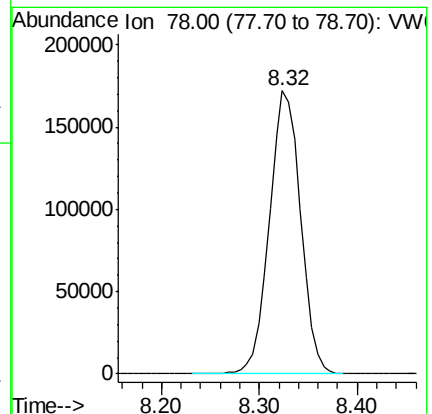
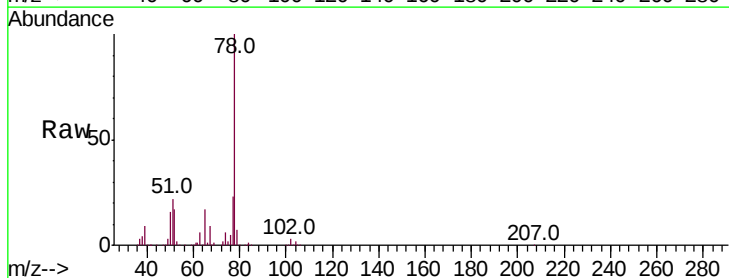
RT: 8.32 min Scan# 1053

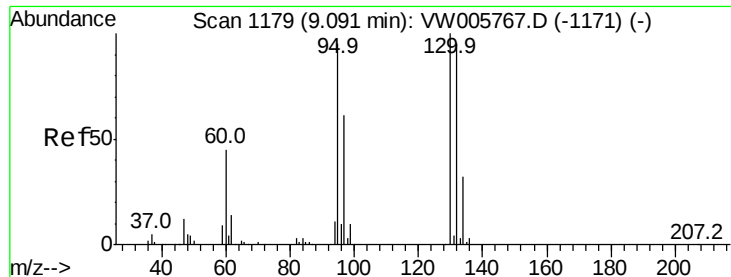
Delta R.T. -0.01 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Tgt Ion: 78 Resp: 382608

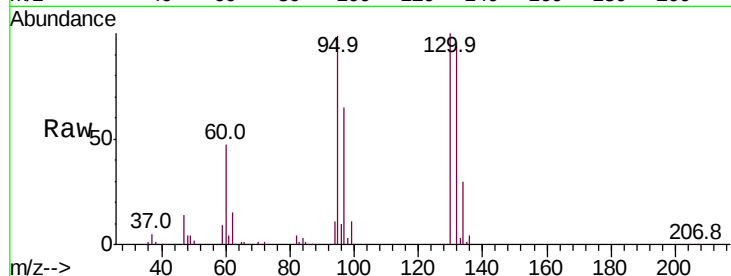




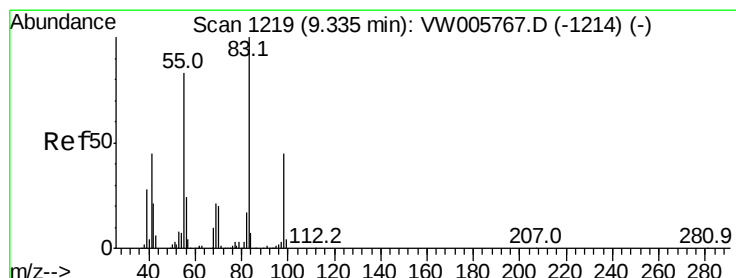
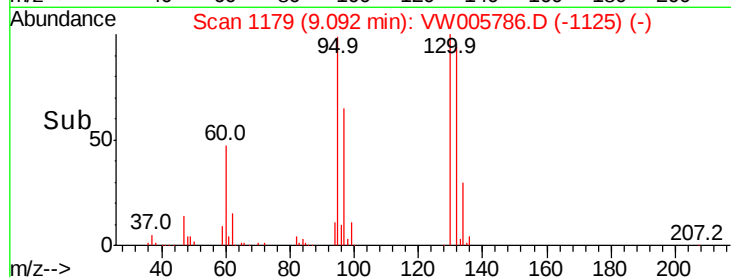
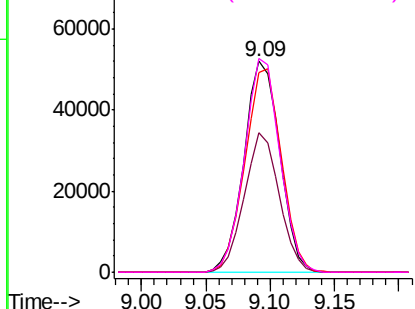
#35
 Trichloroethene
 Concen: 25.371 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 100063
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.2 84.0
 132 98.4 68.0 126.4
 130 100.2 71.3 132.5

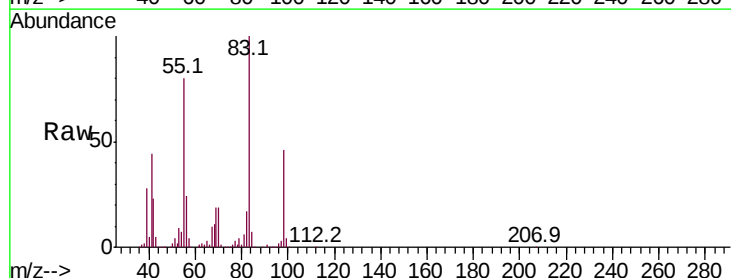


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

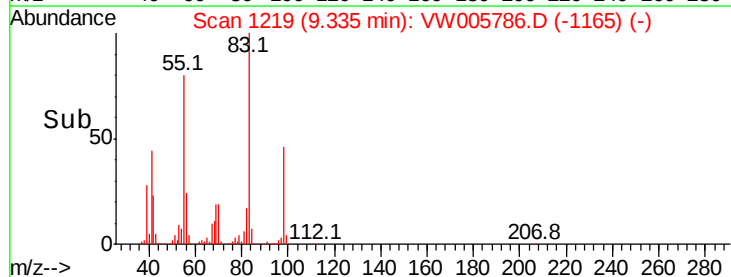
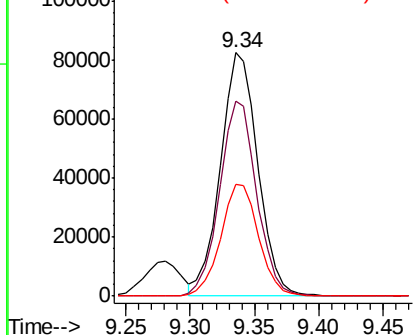


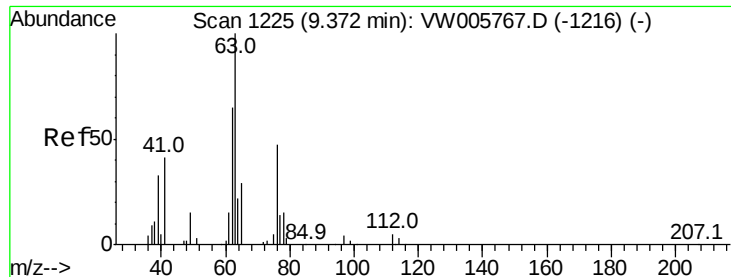
#36
 Methylcyclohexane
 Concen: 24.430 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Tgt Ion: 83 Resp: 167544
 Ion Ratio Lower Upper
 83 100
 55 79.0 62.5 93.7
 98 46.6 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.462 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

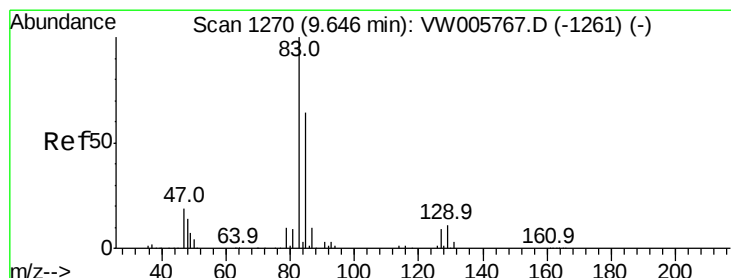
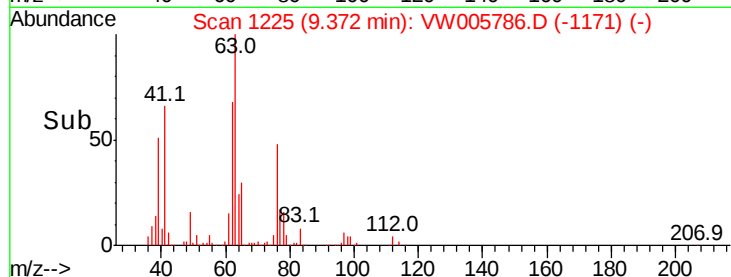
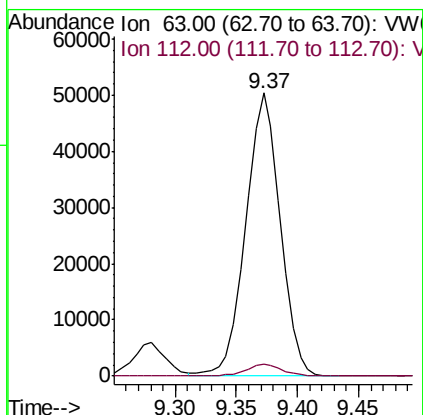
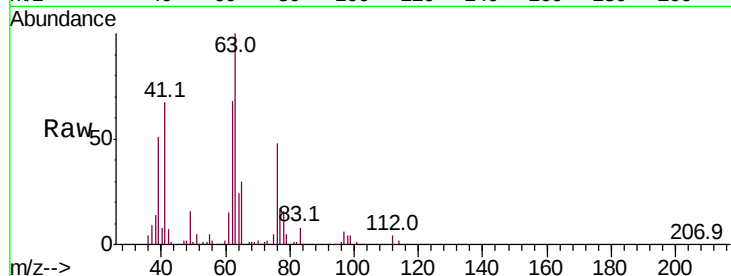
ClientSampleId :

Tot Ion: 63 Resp: 98662

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#41

Bromodichloromethane

Concen: 26.325 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

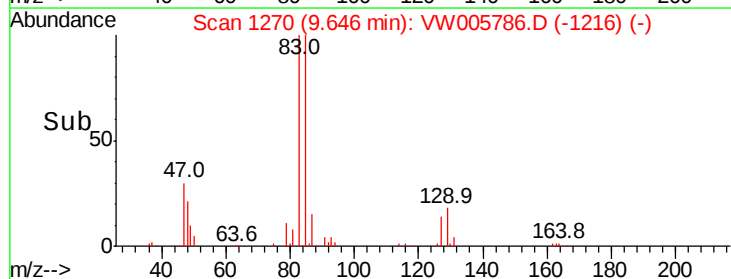
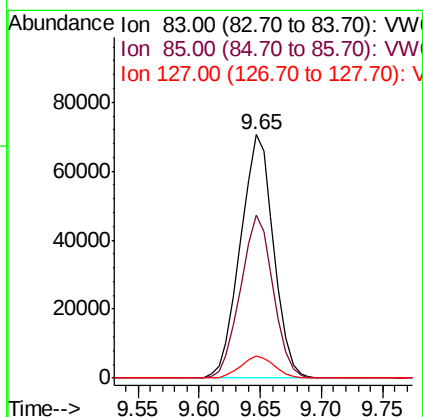
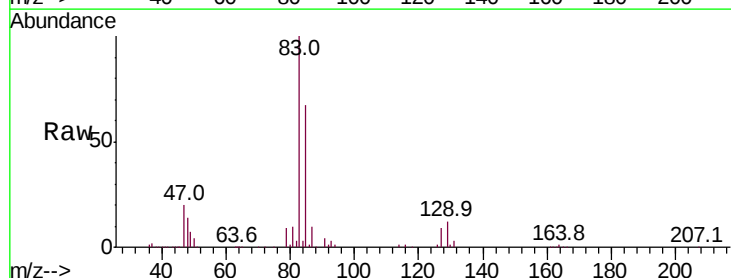
Tgt Ion: 83 Resp: 132975

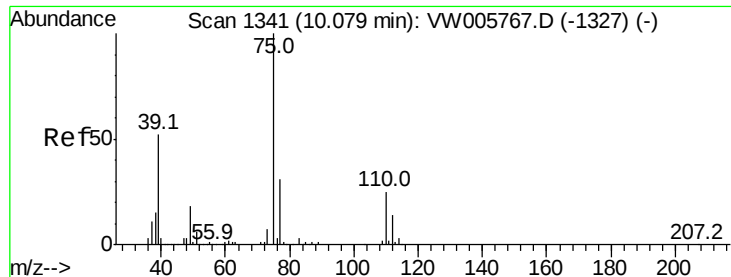
Ion Ratio Lower Upper

83 100

85 67.2 44.1 81.9

127 9.1 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 25.383 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

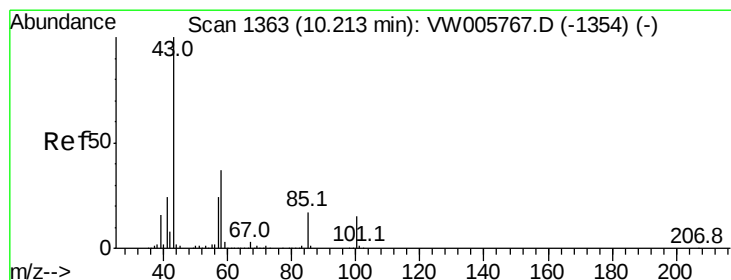
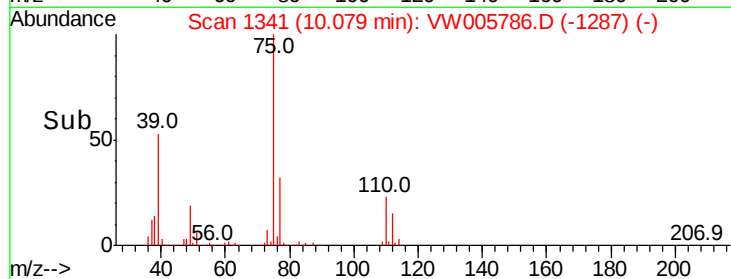
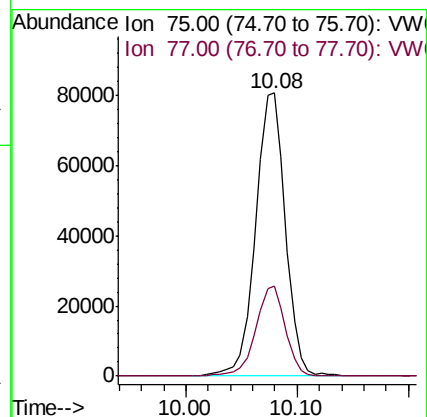
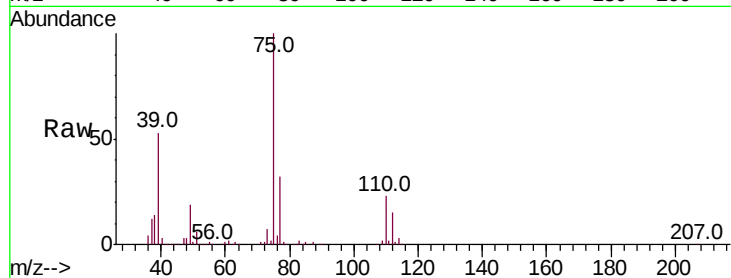
ClientSampleId :

Tot Ion: 75 Resp: 150597

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 54.928 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

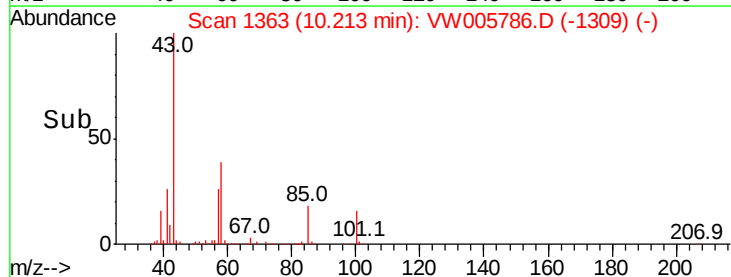
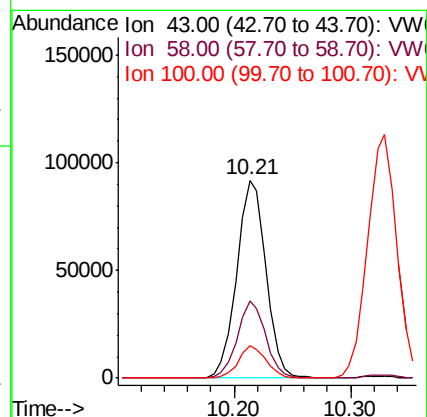
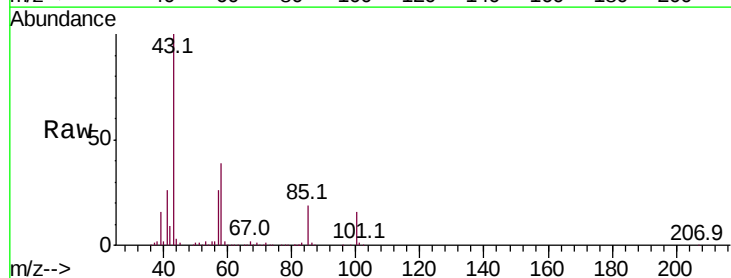
Tgt Ion: 43 Resp: 161045

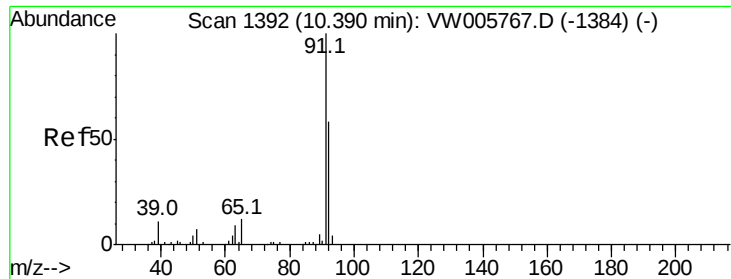
Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.8

100 15.1 12.2 18.4





#44

Toluene

Concen: 25.510 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

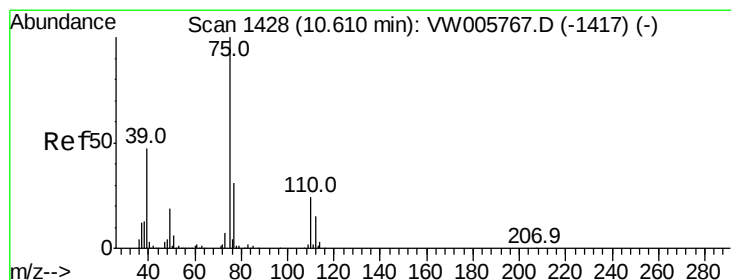
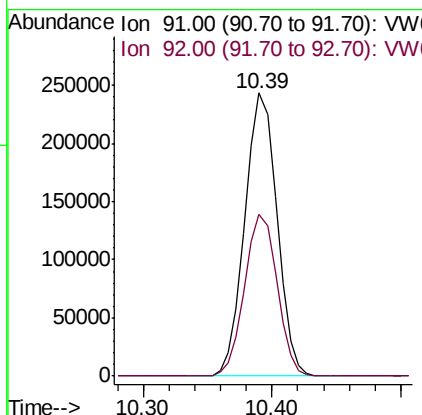
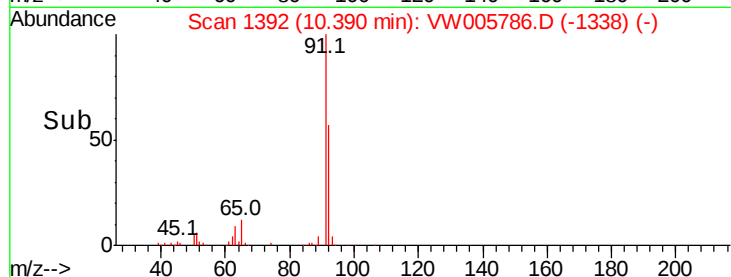
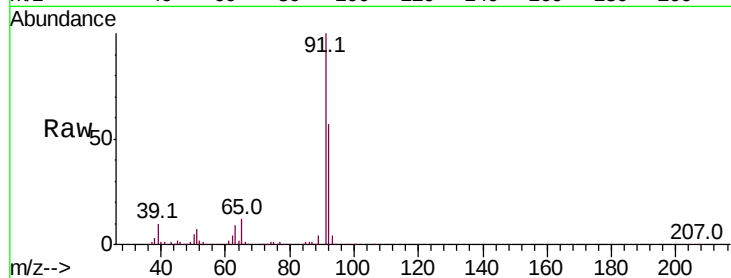
ClientSampled :

Tot Ion: 91 Resp: 420269

Ion Ratio Lower Upper

91 100

92 57.0 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 25.983 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005786.D

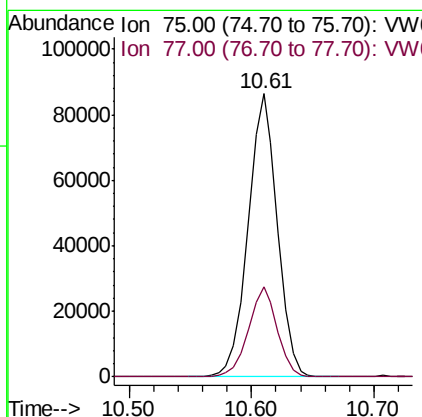
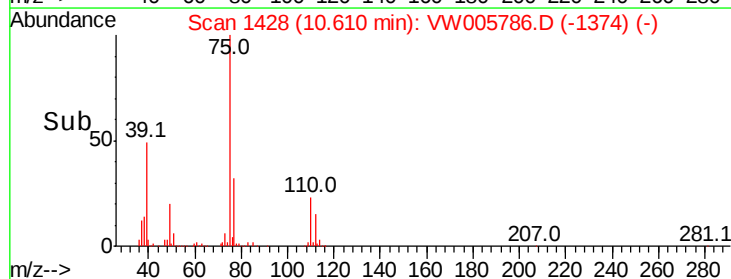
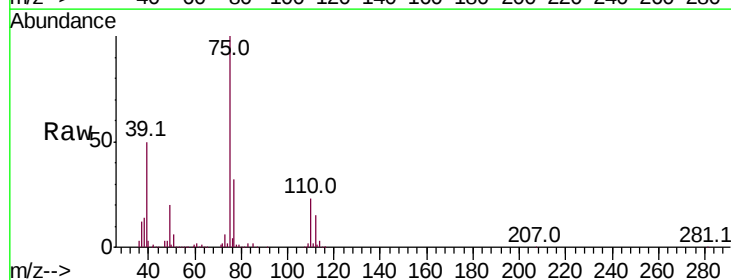
Acq: 02 Oct 2018 19:48

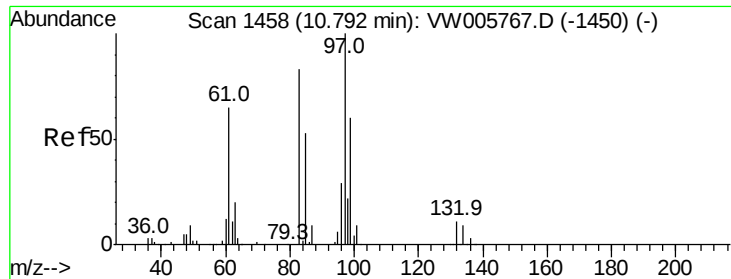
Tgt Ion: 75 Resp: 143546

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1

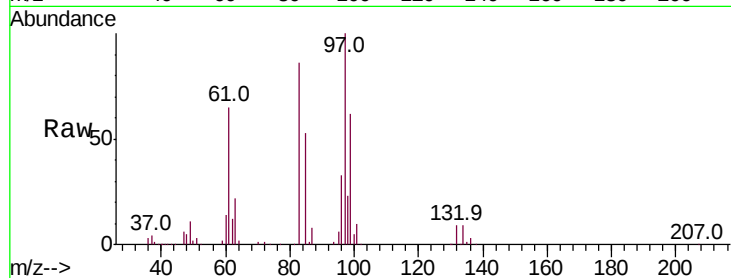




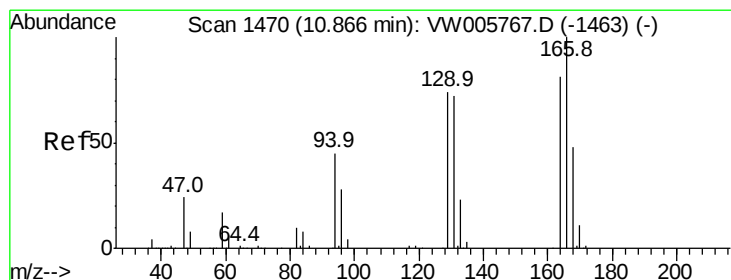
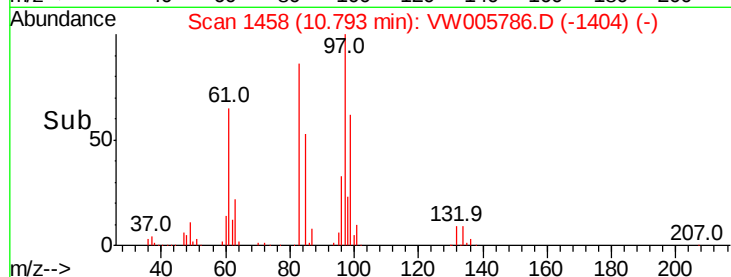
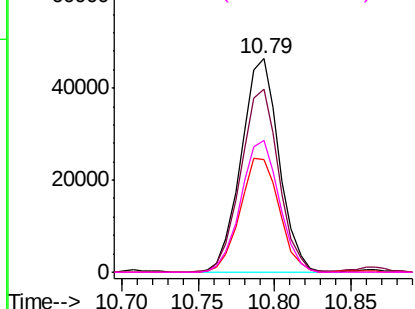
#46
1,1,2-Trichloroethane
Concen: 26.638 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 79861
Ion Ratio Lower Upper
97 100
83 85.5 58.3 108.3
85 52.5 38.0 70.6
99 61.6 42.8 79.4

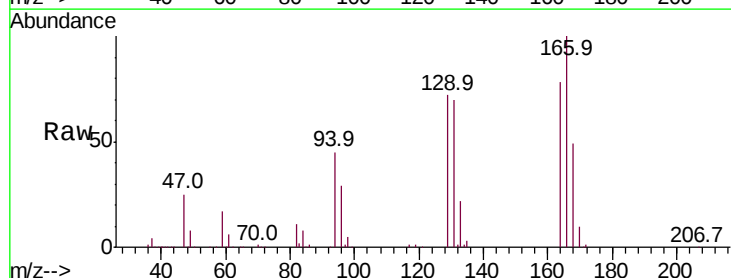


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

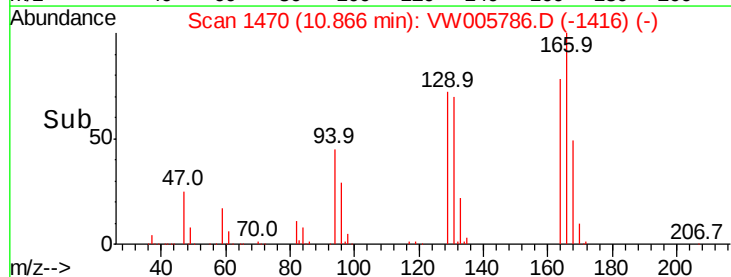
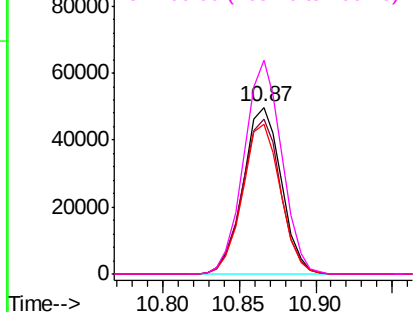


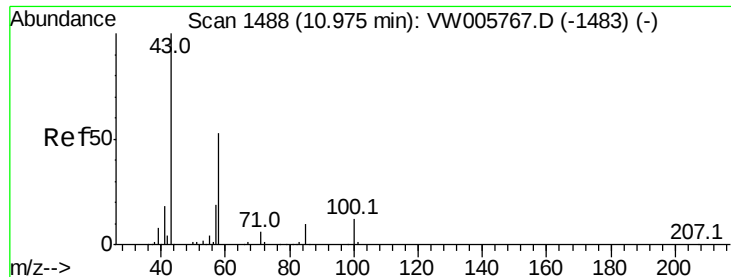
#47
Tetrachloroethene
Concen: 24.830 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

Tgt Ion: 164 Resp: 86275
Ion Ratio Lower Upper
164 100
129 92.8 63.8 118.4
131 89.9 61.5 114.3
166 128.2 83.2 154.6



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

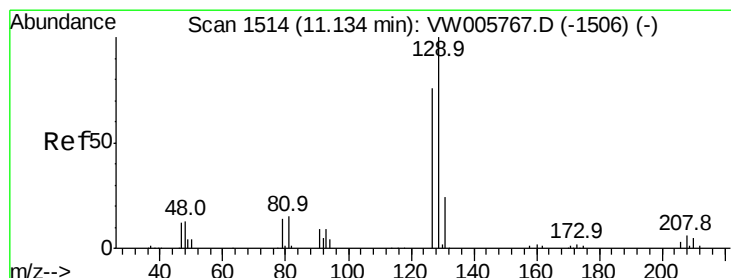
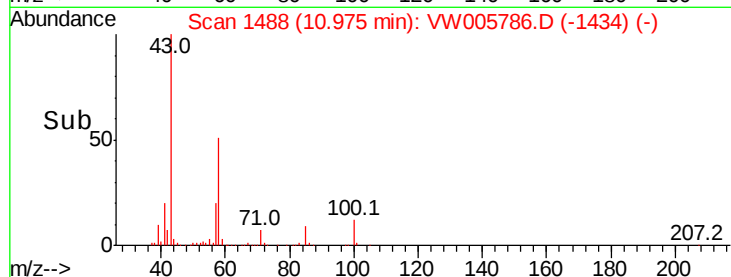
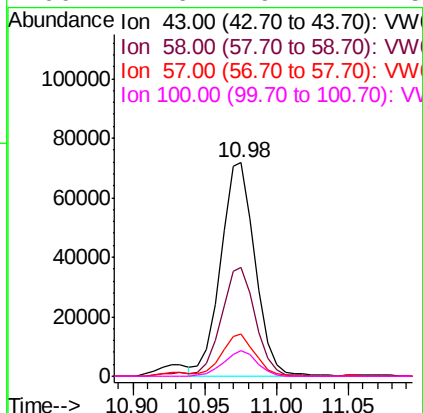
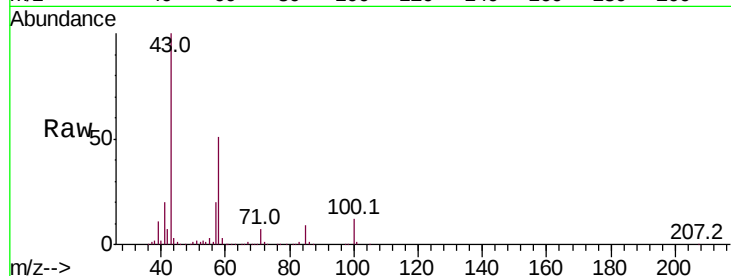




#49
2-Hexanone
Concen: 58.589 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

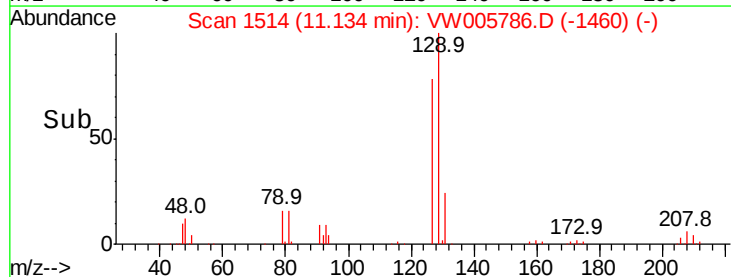
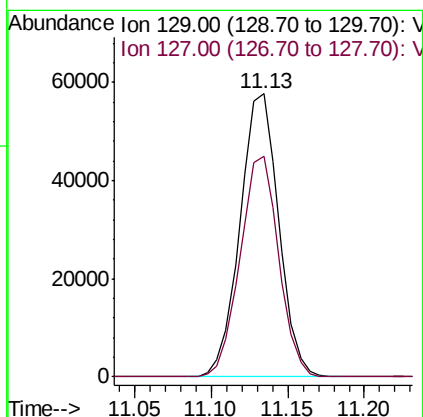
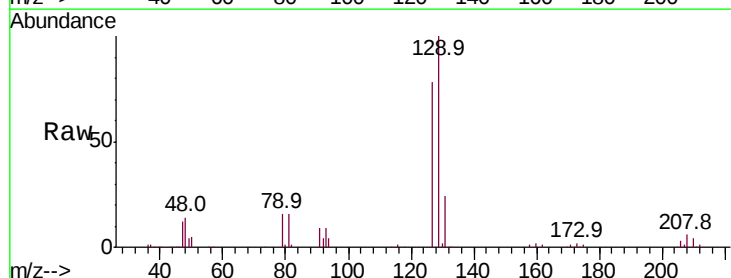
Instrument :
MSVOA_W
ClientSampleId :

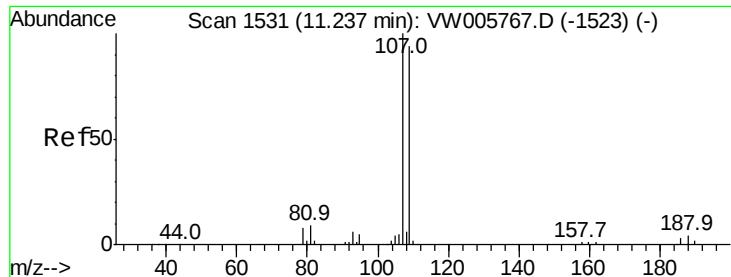
Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	42.0	63.0
57	19.0	15.7	23.5
100	11.6	9.7	14.5



#50
Dibromochloromethane
Concen: 26.980 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	51.7	95.9

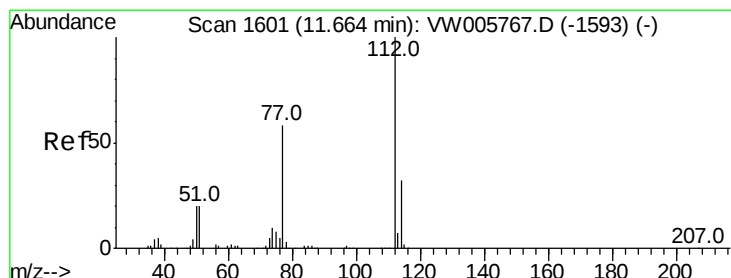
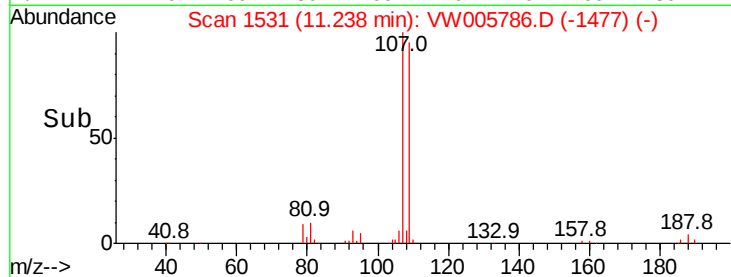
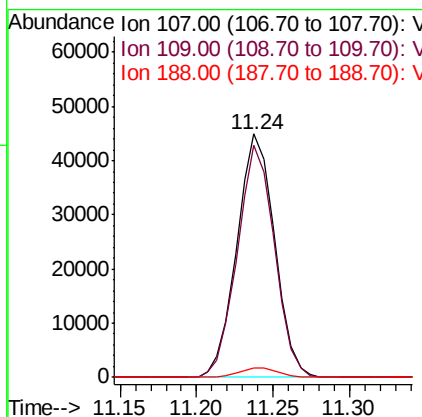
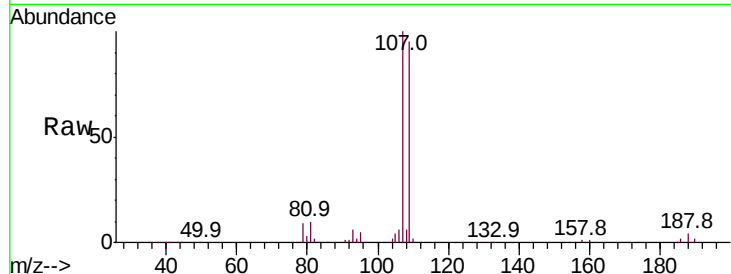




#51
 1,2-Dibromoethane
 Concen: 26.589 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

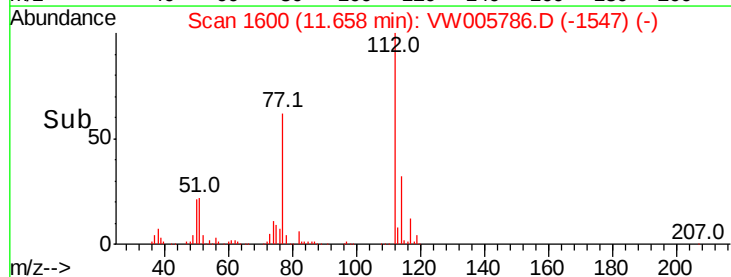
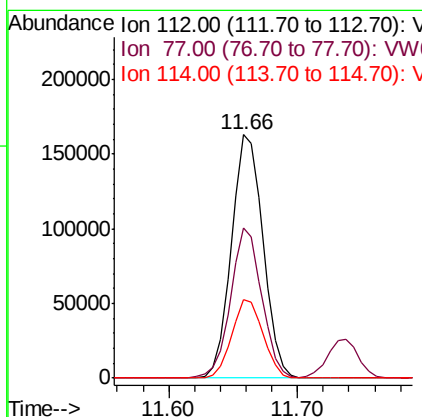
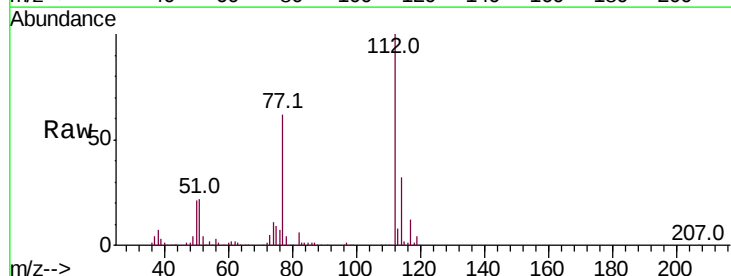
Instrument :
 MSVOA_W
 ClientSampleId :

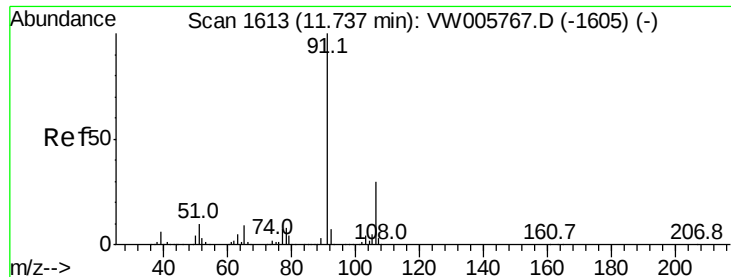
Tot Ion:107 Resp: 77065
 Ion Ratio Lower Upper
 107 100
 109 95.5 70.1 130.3
 188 3.9 3.4 5.2



#52
 Chlorobenzene
 Concen: 25.627 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Tgt Ion:112 Resp: 277746
 Ion Ratio Lower Upper
 112 100
 77 61.8 46.7 70.1
 114 32.5 21.8 40.6

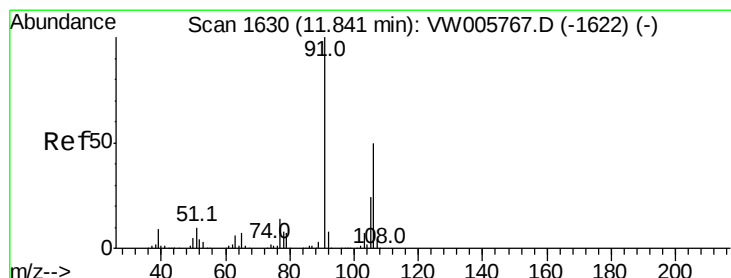
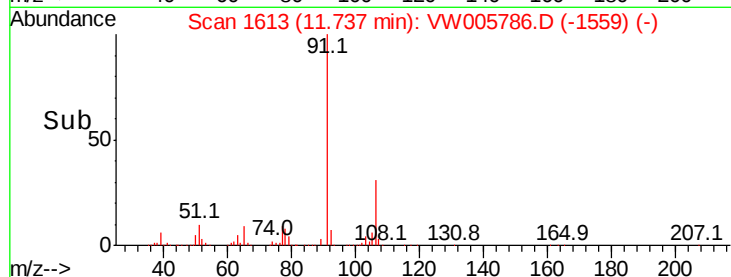
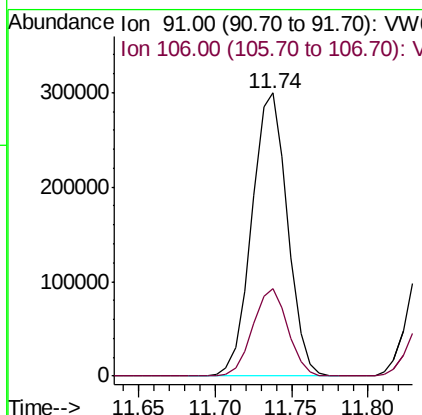
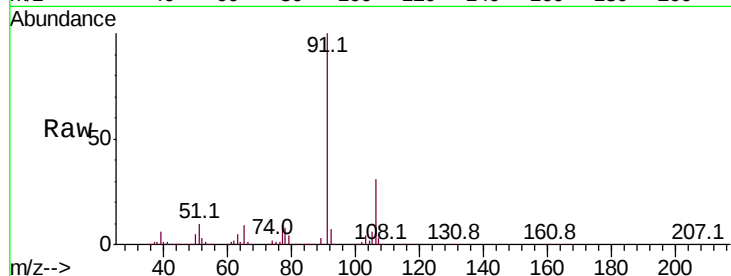




#53
Ethylbenzene
Concen: 25.707 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

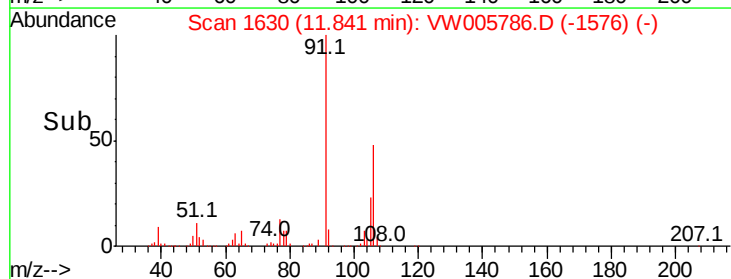
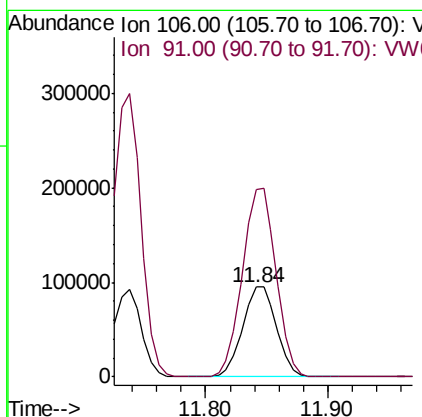
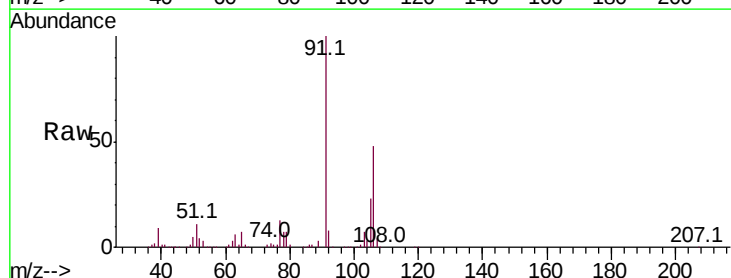
Instrument :
MSVOA_W
ClientSampleId :

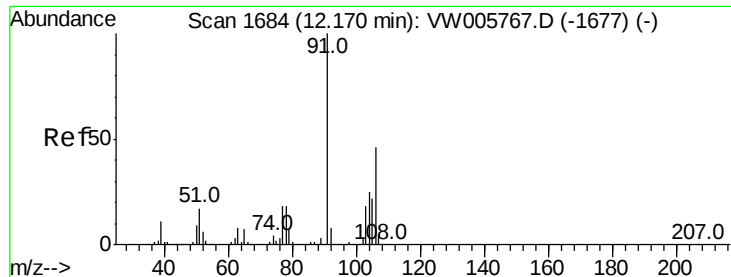
Tot Ion: 91 Resp: 484907
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9



#54
m,p-Xylene
Concen: 25.741 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW005786.D
Acq: 02 Oct 2018 19:48

Tgt Ion:106 Resp: 182929
Ion Ratio Lower Upper
106 100
91 208.2 147.7 274.3





#55

o-xylene

Concen: 26.086 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

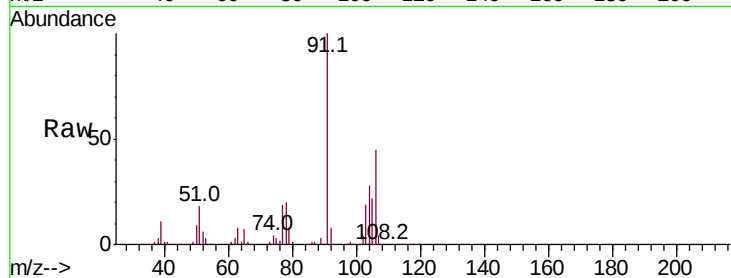
ClientSampleId :

Tot Ion:106 Resp: 174726

Ion Ratio Lower Upper

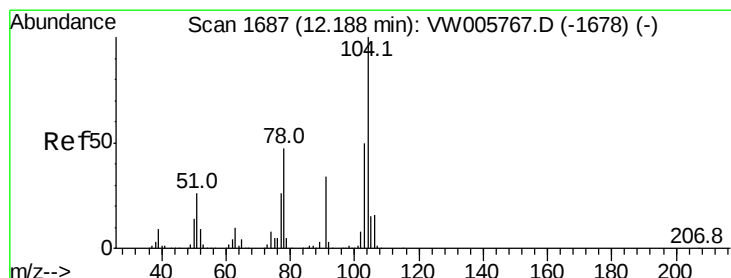
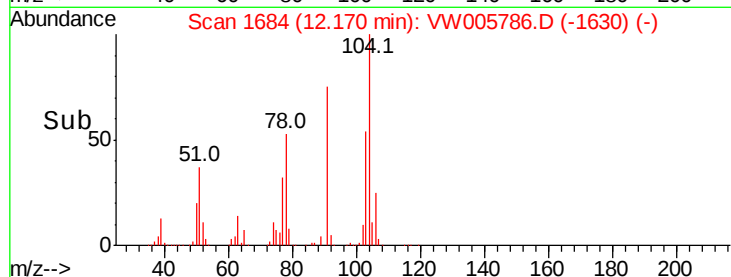
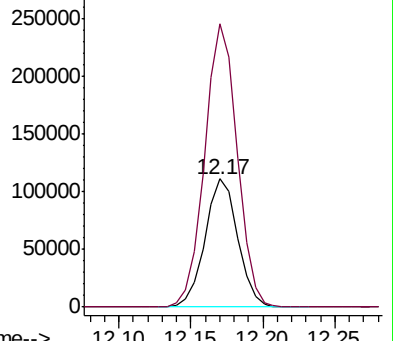
106 100

91 220.9 156.5 290.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.067 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW005786.D

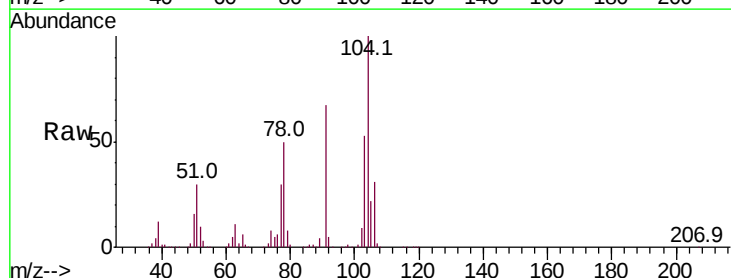
Acq: 02 Oct 2018 19:48

Tgt Ion:104 Resp: 318163

Ion Ratio Lower Upper

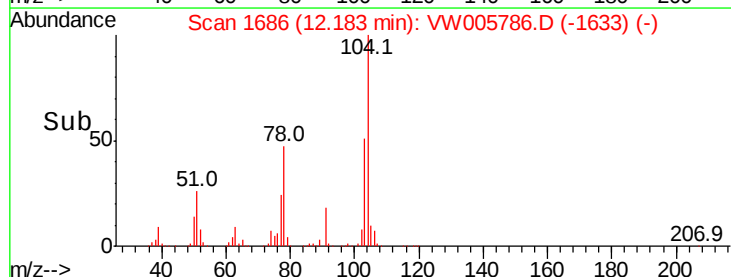
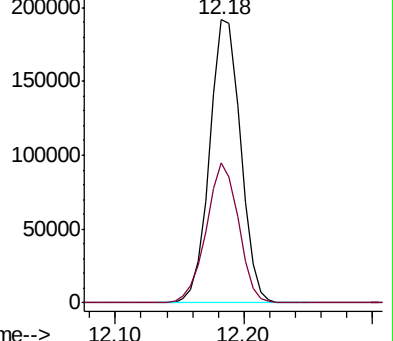
104 100

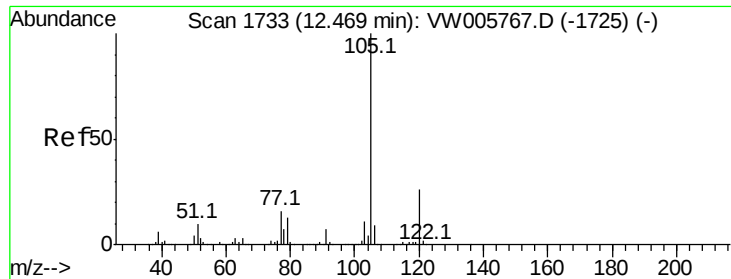
78 49.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.753 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

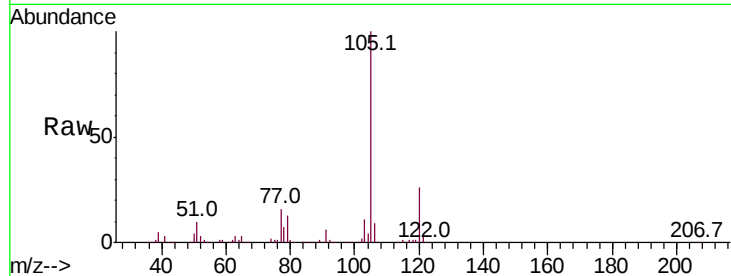
Tot Ion:105 Resp: 492701

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

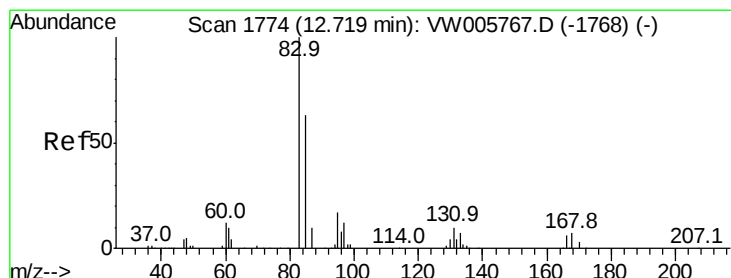
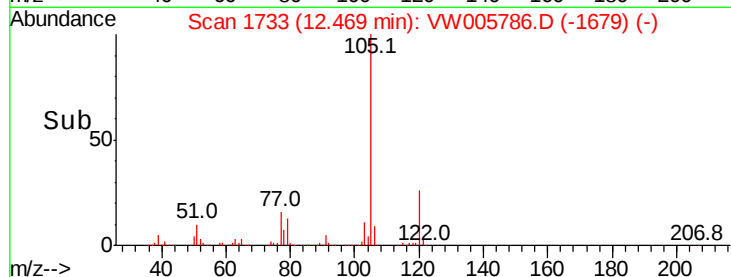
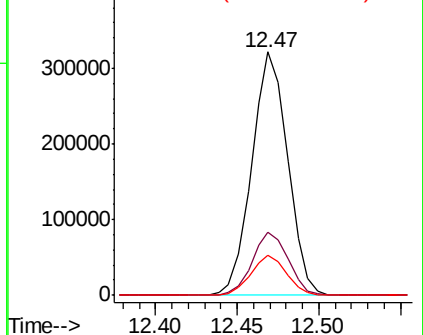
77 16.2 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.288 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

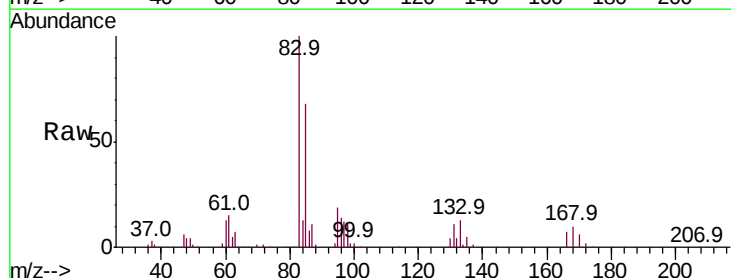
Tgt Ion: 83 Resp: 108184

Ion Ratio Lower Upper

83 100

85 68.1 43.0 80.0

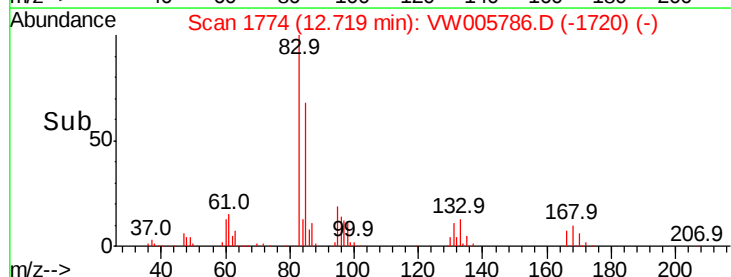
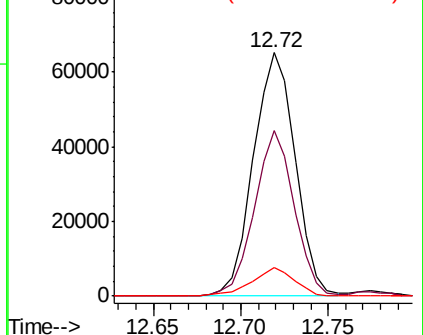
131 11.5 8.0 12.0

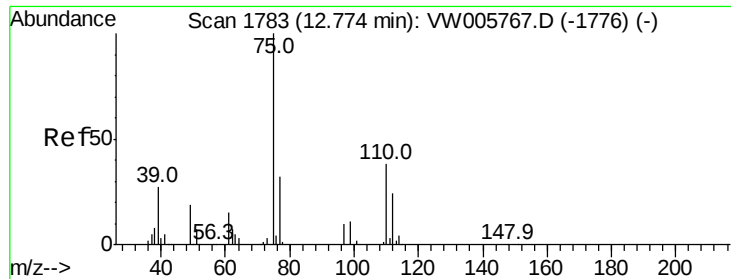


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.793 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

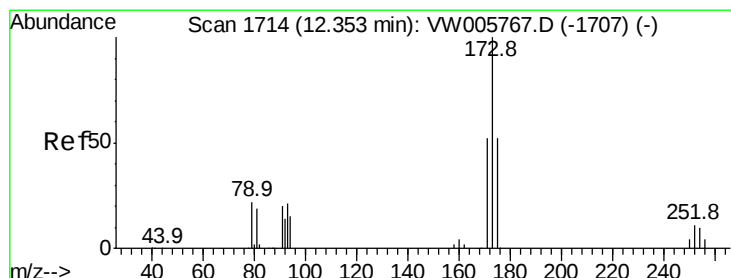
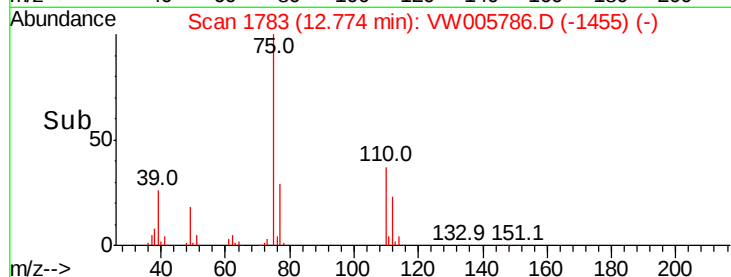
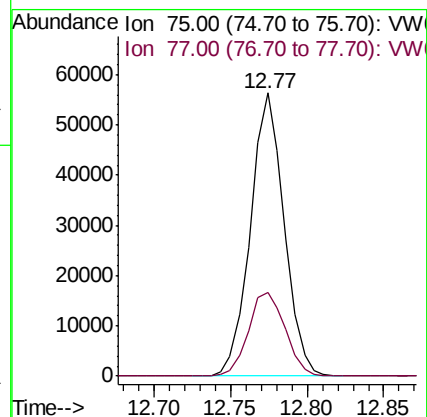
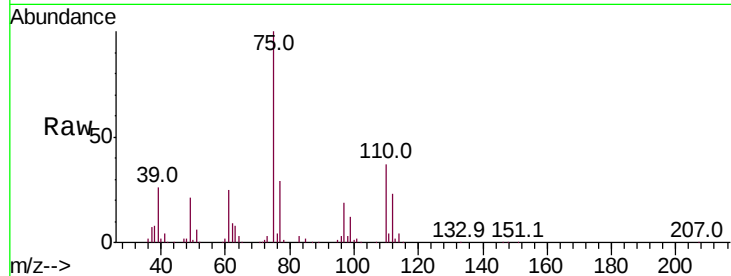
ClientSampleId :

Tot Ion: 75 Resp: 86282

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#62

Bromoform

Concen: 27.366 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

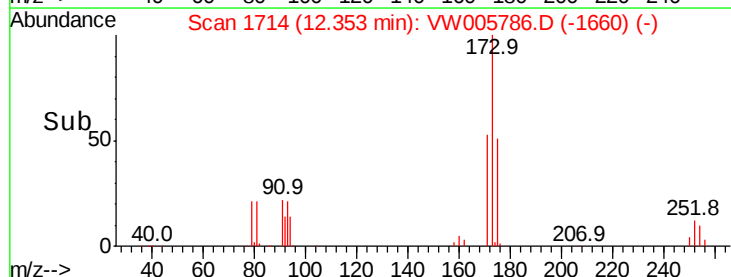
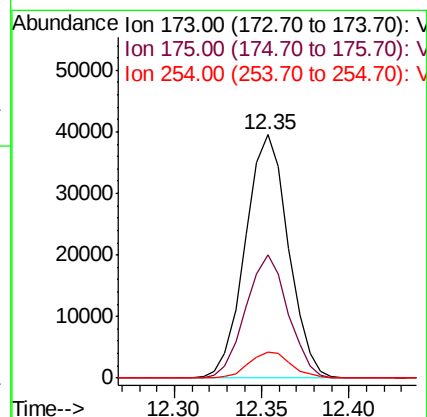
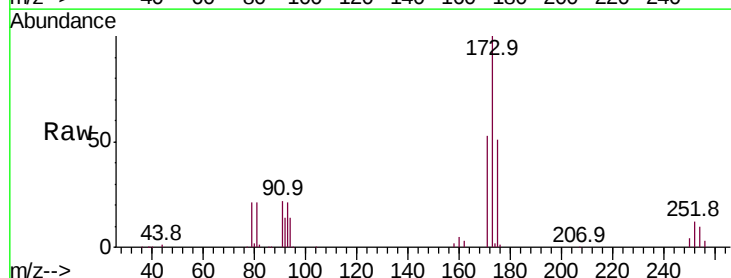
Tgt Ion: 173 Resp: 67962

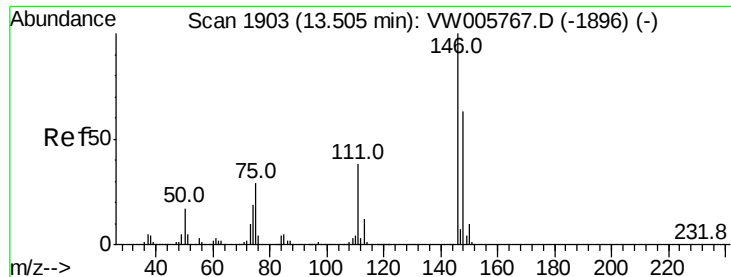
Ion Ratio Lower Upper

173 100

175 49.6 40.0 60.0

254 10.5 8.6 13.0

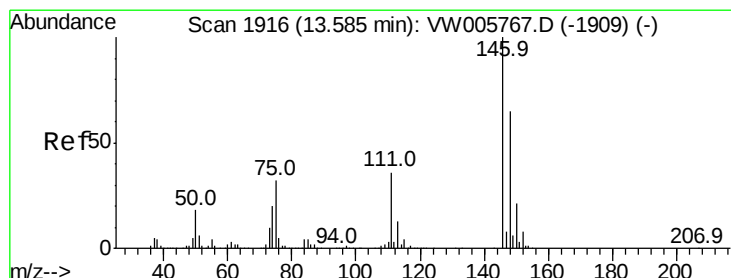
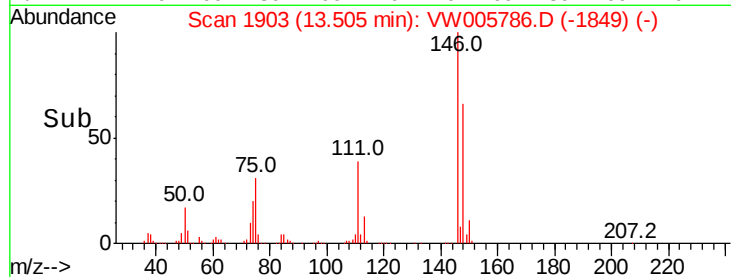
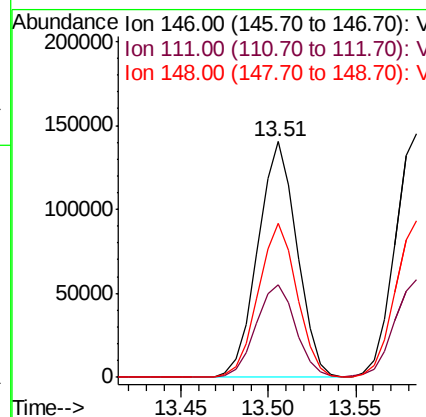
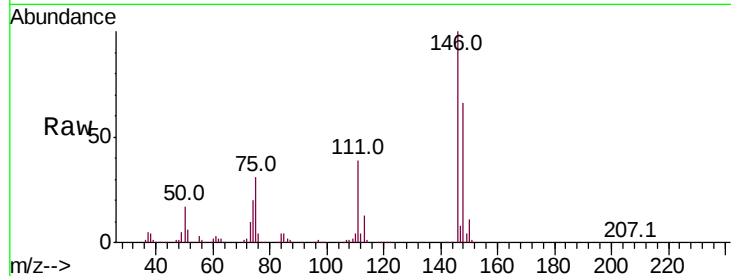




#63
 1,3-Dichlorobenzene
 Concen: 24.820 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

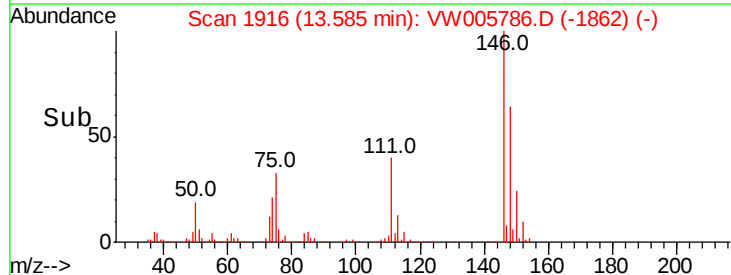
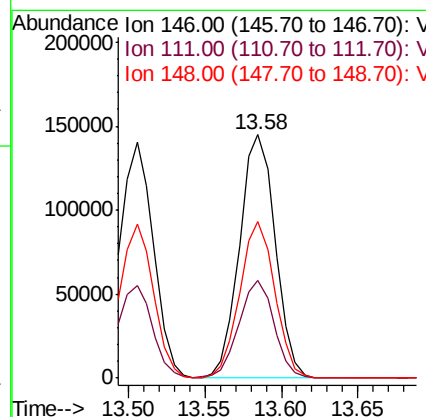
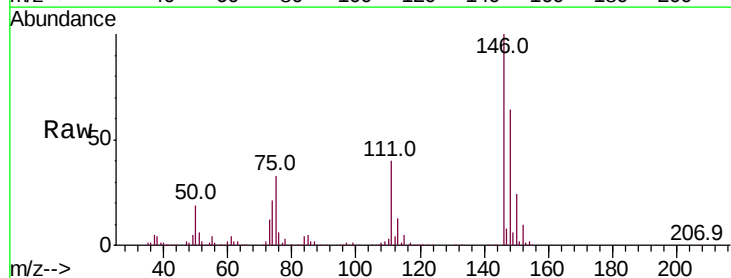
Instrument :
 MSVOA_W
 ClientSampleId :

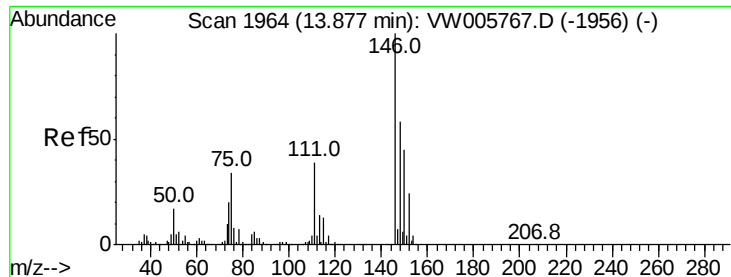
Tot Ion:146 Resp: 220169
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.6
 148 65.7 46.2 85.8



#64
 1,4-Dichlorobenzene
 Concen: 25.358 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Tgt Ion:146 Resp: 234910
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.4 52.8
 148 64.2 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 26.046 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

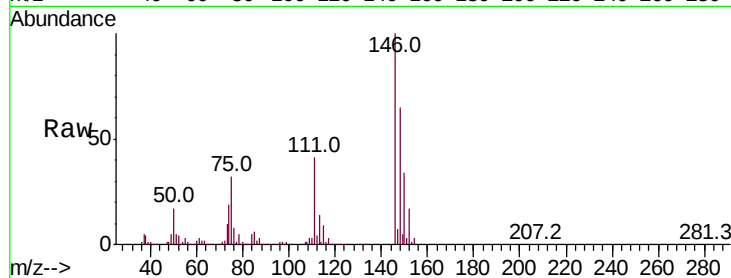
Tot Ion:146 Resp: 222325

Ion Ratio Lower Upper

146 100

111 40.8 34.6 51.8

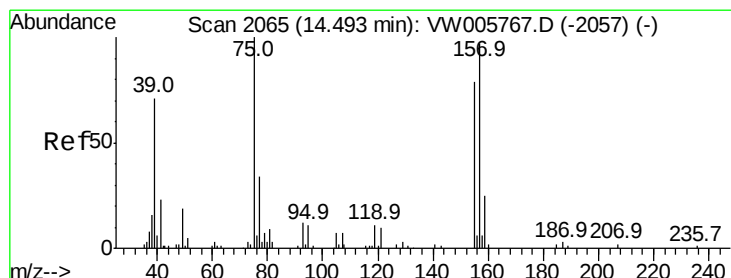
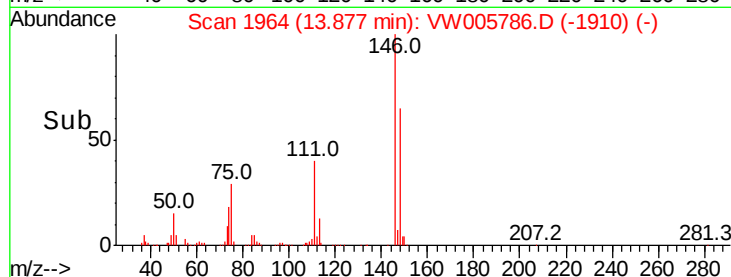
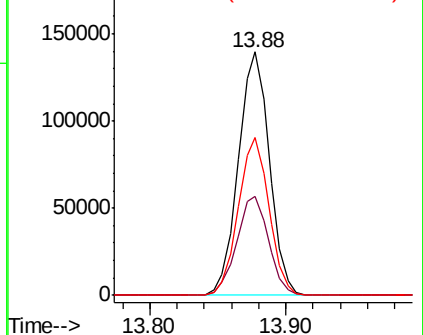
148 64.7 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 26.572 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

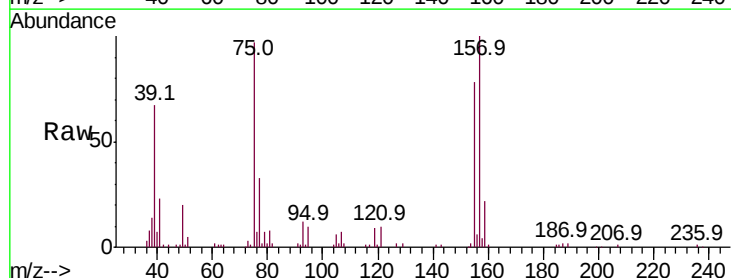
Tgt Ion: 75 Resp: 21566

Ion Ratio Lower Upper

75 100

157 102.9 76.9 115.3

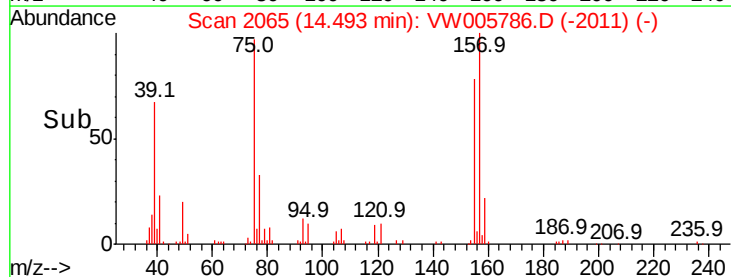
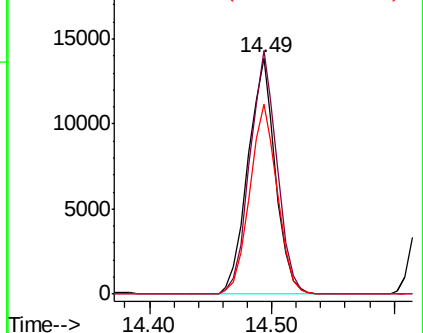
155 80.3 64.2 96.2

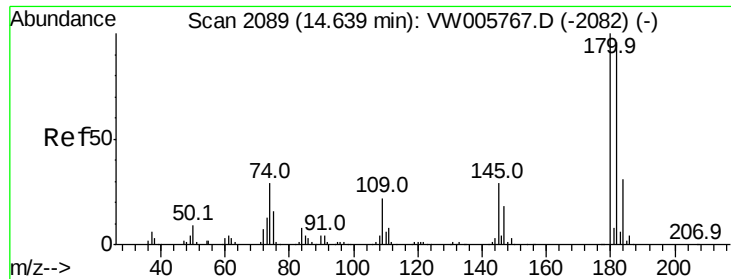


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

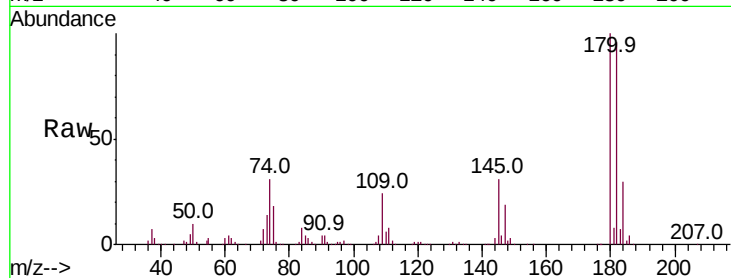




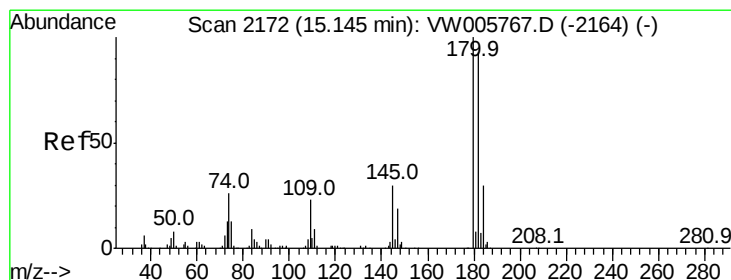
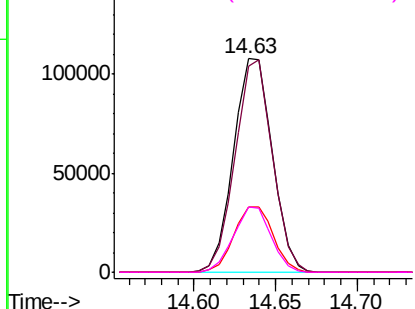
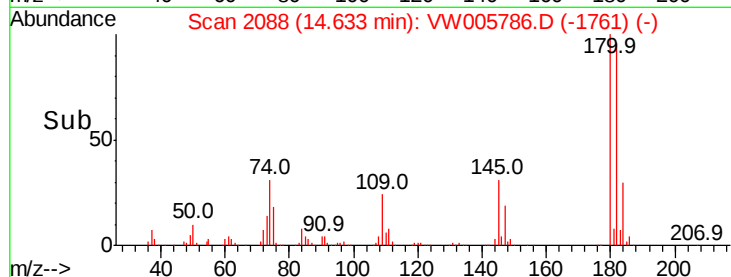
#67
 1,3,5-Trichlorobenzene
 Concen: 24.541 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.01 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 178674
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.7 116.5
 184 30.9 24.6 37.0
 145 29.6 23.8 35.6

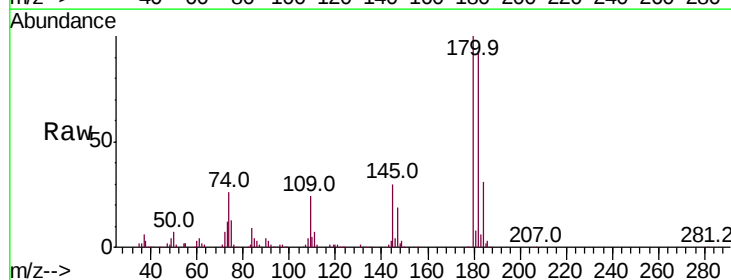


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

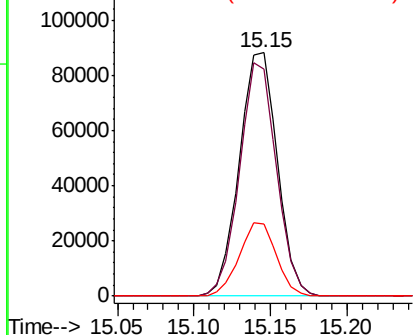
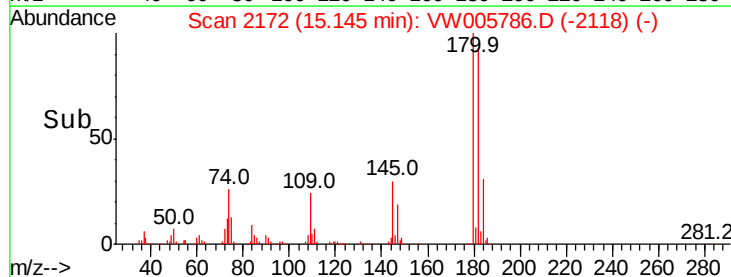


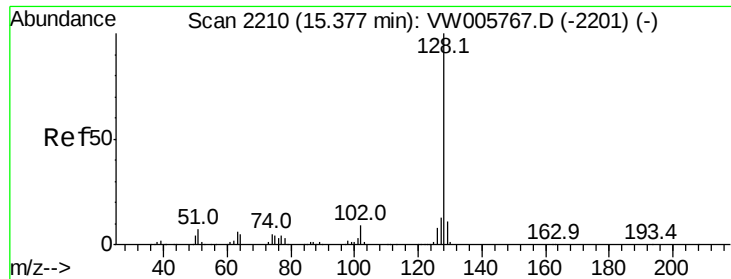
#68
 1,2,4-trichlorobenzene
 Concen: 25.476 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: VW005786.D
 Acq: 02 Oct 2018 19:48

Tgt Ion:180 Resp: 152368
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.8 113.6
 145 29.6 23.8 35.6



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





#69

Naphthalene

Concen: 26.696 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

Instrument :

MSVOA_W

ClientSampleId :

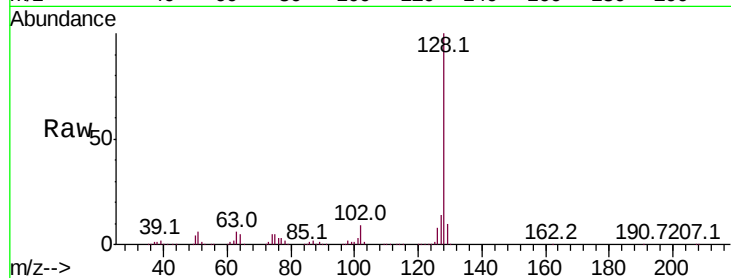
Tot Ion:128 Resp: 319924

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

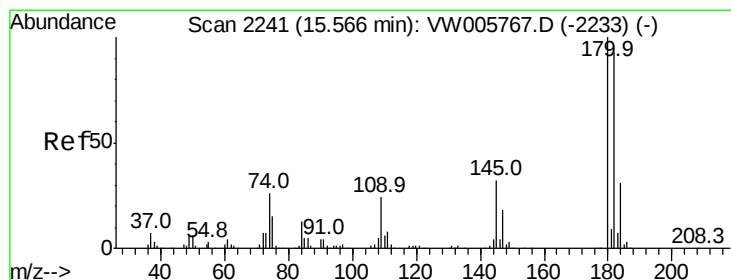
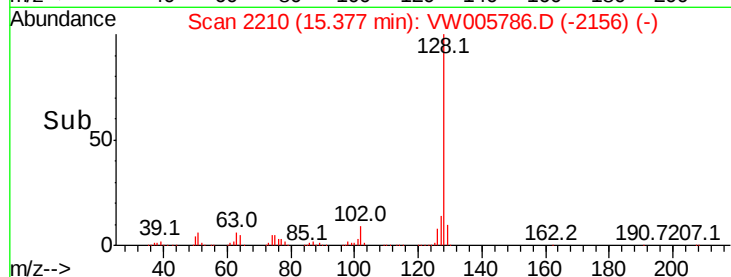
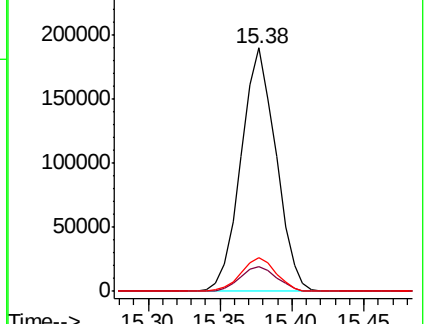
127 13.8 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.984 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005786.D

Acq: 02 Oct 2018 19:48

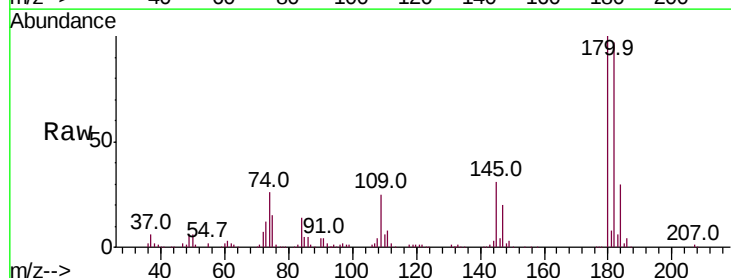
Tgt Ion:180 Resp: 145649

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

145 31.4 25.5 38.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

