

Data File : VW009660.D
Acq On : 03 Apr 2019 11:56
Operator : SY/VA
Sample : VSTD00511
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00511

Quant Time: Apr 03 14:28:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	493182	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	473824	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	229700	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	35142	5.96	ug/L	0.00
7) Chloroethane-d5	2.89	69	31857	4.62	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	73215	5.75	ug/L	0.00
20) 2-Butanone-d5	7.08	46	22377	9.18	ug/L	0.00
24) Chloroform-d	7.64	84	72102	5.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	45389	5.60	ug/L	0.00
29) Benzene-d6	8.27	84	129135	4.94	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	40568	5.17	ug/L	0.00
37) Toluene-d8	10.32	98	116925	4.84	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	17801	4.52	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	12414	6.53	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	38515	4.98	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	41610	4.72	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31631	4.869	ug/L	88
3) Chloromethane	2.21	50	31180	4.523	ug/L	98
5) Vinyl chloride	2.37	62	44426	6.262	ug/L	94
6) Bromomethane	2.78	94	30559	5.141	ug/L	96
8) Chloroethane	2.93	64	28794	4.905	ug/L	93
9) Trichlorofluoromethane	3.25	101	24423	4.358	ug/L	98
12) 1,1-Dichloroethene	4.04	96	33472	5.512	ug/L	91
13) Acetone	4.12	43	25121	12.568	ug/L	78
14) Carbon disulfide	4.38	76	102729	6.285	ug/L	97
15) Methyl Acetate	4.67	43	22604	5.757	ug/L	# 78
17) Methyl tert-butyl Ether	5.42	73	42589	4.956	ug/L	# 83
18) trans-1,2-Dichloroethene	5.42	96	34454	5.396	ug/L	95
19) 1,1-Dichloroethane	6.21	63	66324	5.697	ug/L	96
21) 2-Butanone	7.17	43	29703	10.763	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	35649	5.154	ug/L	91
23) Bromochloromethane	7.51	128	16964	5.113	ug/L	87
25) Chloroform	7.67	83	70521	5.784	ug/L	100
27) 1,2-Dichloroethane	8.40	62	53314	5.865	ug/L	# 94
30) Cyclohexane	7.95	56	51101	4.749	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	54377	5.746	ug/L	98
32) Carbon tetrachloride	8.07	117	53059	5.557	ug/L	98
34) Benzene	8.32	78	142158	5.481	ug/L	100
35) Trichloroethene	9.09	95	36852	5.333	ug/L	95
36) Methylcyclohexane	9.33	83	57902	4.843	ug/L	98
40) 1,2-Dichloropropane	9.37	63	37658	5.659	ug/L	98
41) Bromodichloromethane	9.64	83	50378	5.463	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	53154	4.904	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	55517	9.206	ug/L	100
44) Toluene	10.38	91	145663	5.137	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	45188	4.792	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Wed Apr 03 14:24:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1,2-Trichloroethane	10.79	97	27418	5.164	ug/L	93
47) Tetrachloroethene	10.86	164	29414	5.037	ug/L	96
49) 2-Hexanone	10.97	43	41799	9.841	ug/L	99
50) Dibromochloromethane	11.13	129	32731	4.994	ug/L	91
51) 1,2-Dibromoethane	11.23	107	28255	5.250	ug/L #	97
52) Chlorobenzene	11.66	112	96970	5.332	ug/L	100
53) Ethylbenzene	11.73	91	163199	5.119	ug/L	99
54) m,p-Xylene	11.84	106	59485	4.911	ug/L	99
55) o-xylene	12.16	106	55067	4.660	ug/L	97
56) Styrene	12.18	104	94021	4.664	ug/L	98
57) Isopropylbenzene	12.46	105	150261	4.747	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	37986	5.303	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	28538	5.369	ug/L	99
62) Bromoform	12.35	173	20737	5.343	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	69777	5.097	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	77181	5.453	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	68541	5.250	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	6962	5.441	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	51754	4.847	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	39971	4.456	ug/L	99
69) Naphthalene	15.37	128	73379	3.946	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	38858	4.626	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD00511

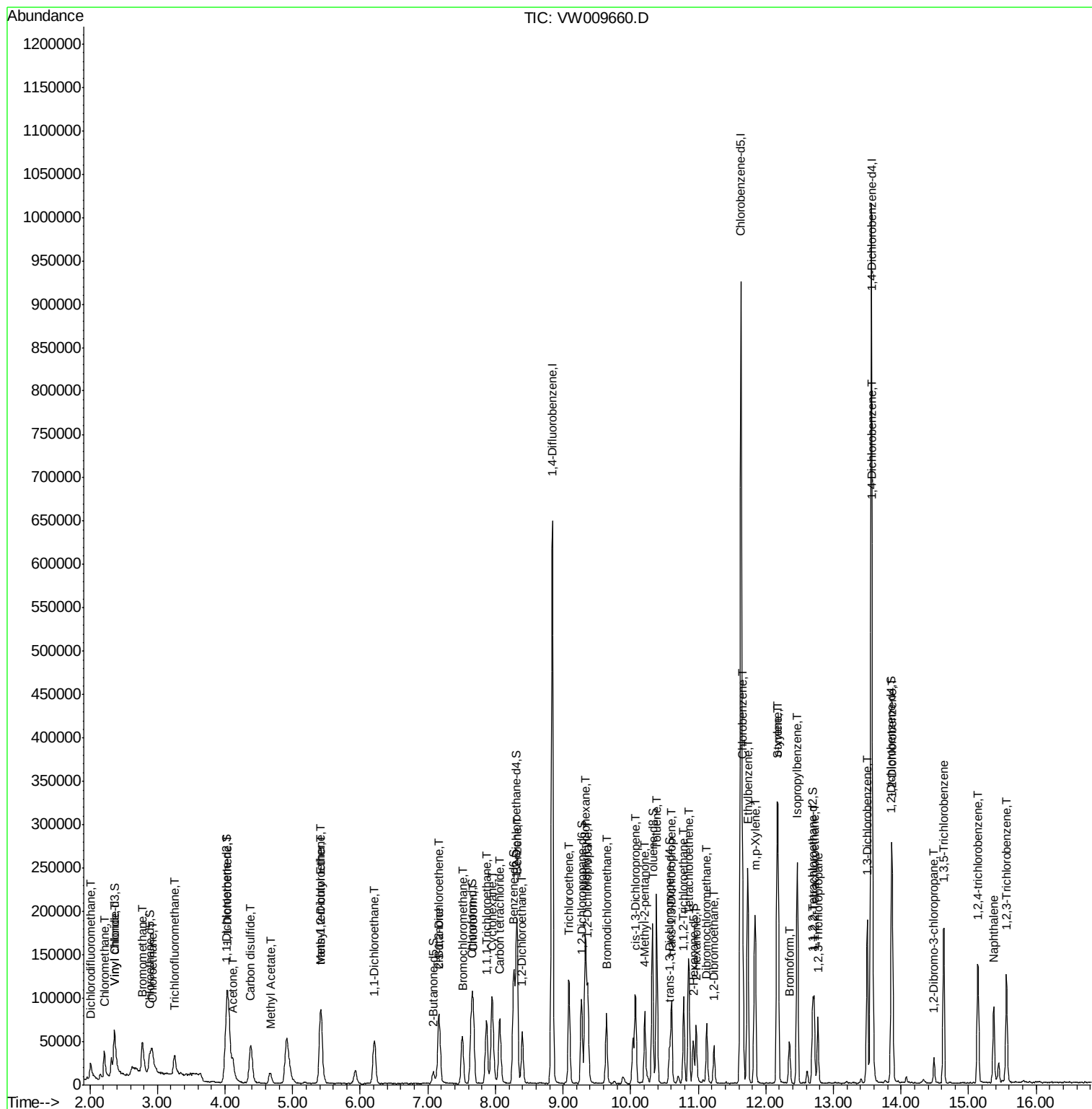
Quant Time: Apr 03 14:28:06 2019

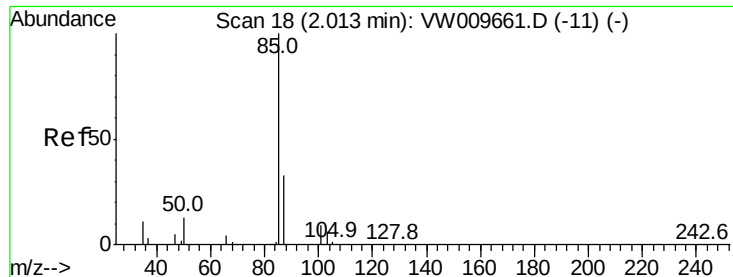
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M

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#2

Dichlorodifluoromethane

Concen: 4.869 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

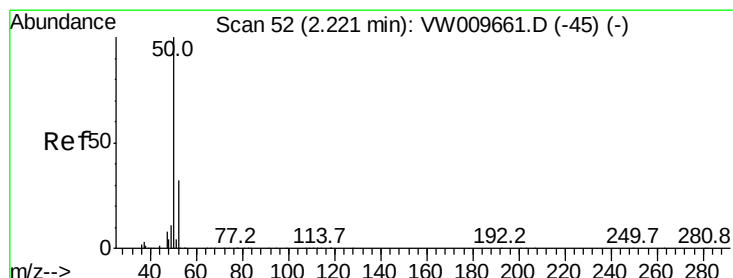
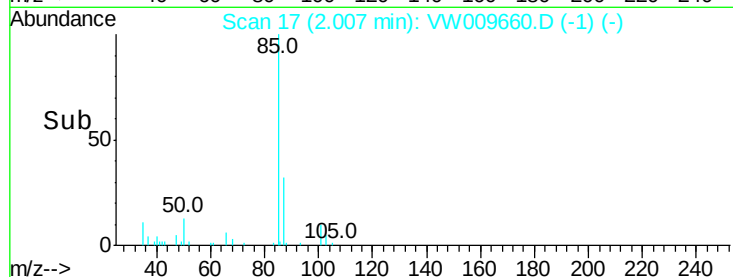
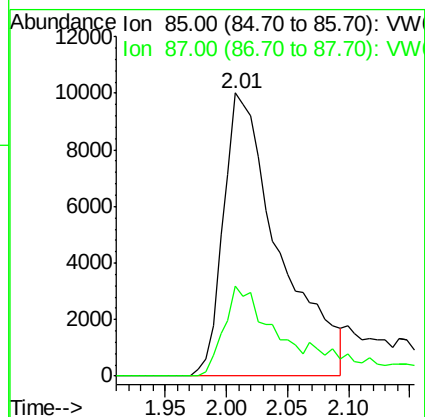
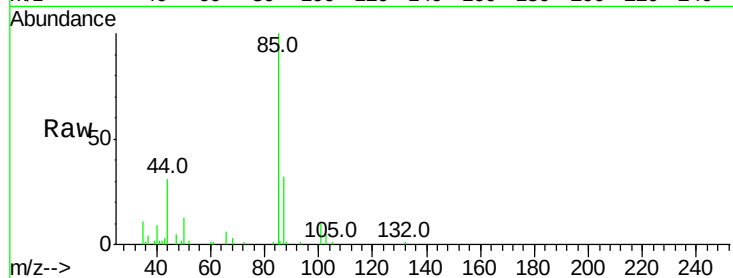
VSTD00511

Tgt Ion: 85 Resp: 31631

Ion Ratio Lower Upper

85 100

87 19.8 18.1 33.5



#3

Chloromethane

Concen: 4.523 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW009660.D

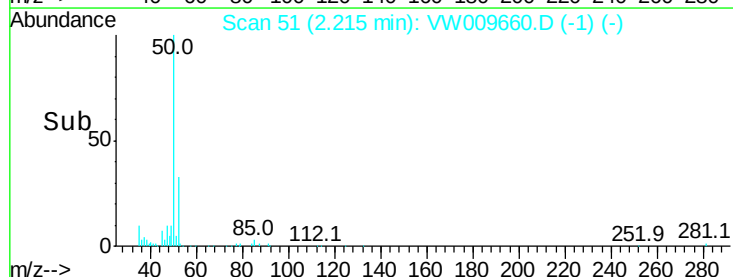
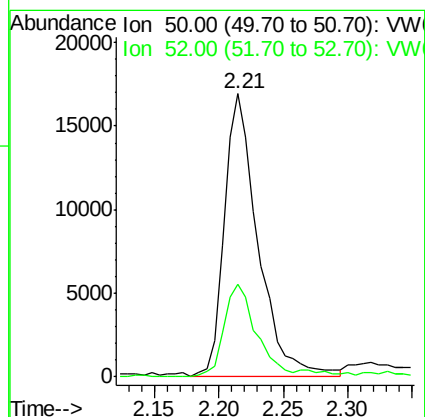
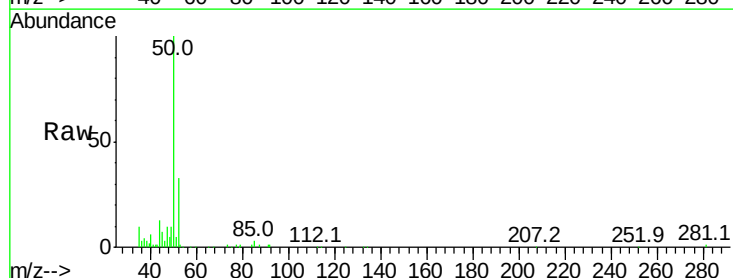
Acq: 03 Apr 2019 11:56

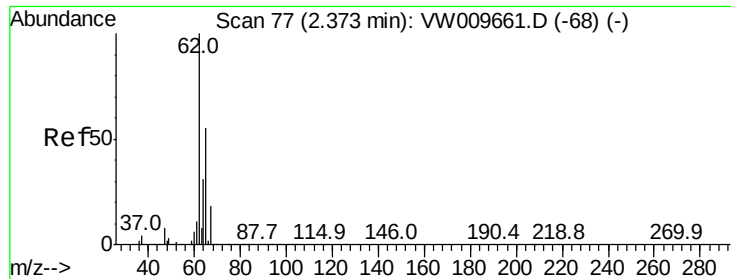
Tgt Ion: 50 Resp: 31180

Ion Ratio Lower Upper

50 100

52 32.9 22.3 41.3





#5

Vinyl chloride

Concen: 6.262 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

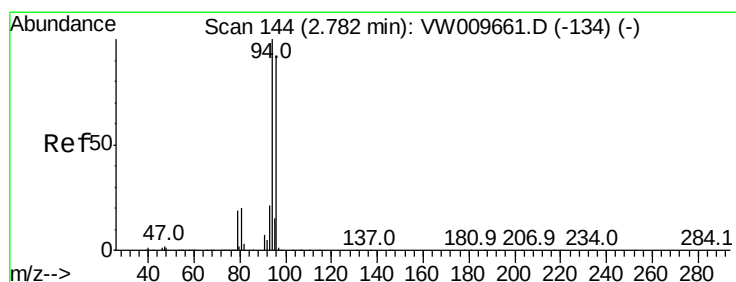
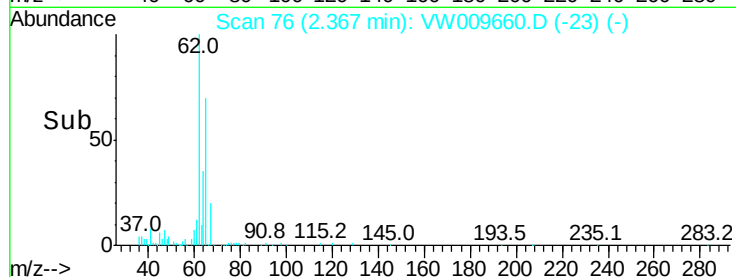
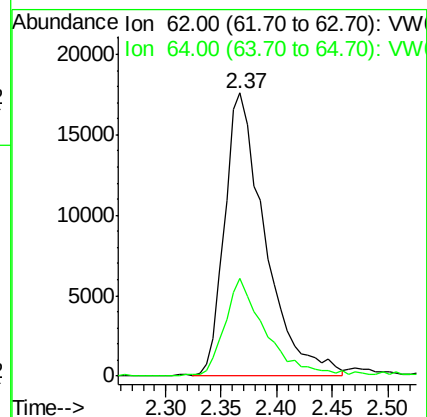
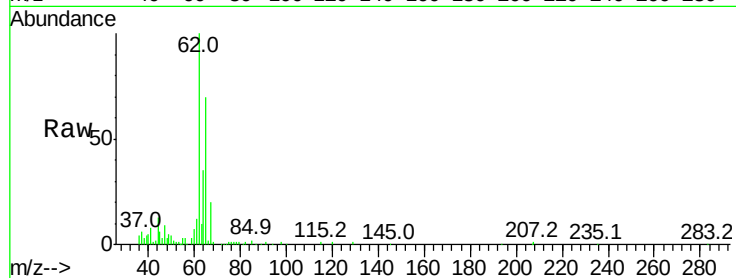
VSTD00511

Tgt Ion: 62 Resp: 44426

Ion Ratio Lower Upper

62 100

64 34.7 21.8 40.6



#6

Bromomethane

Concen: 5.141 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009660.D

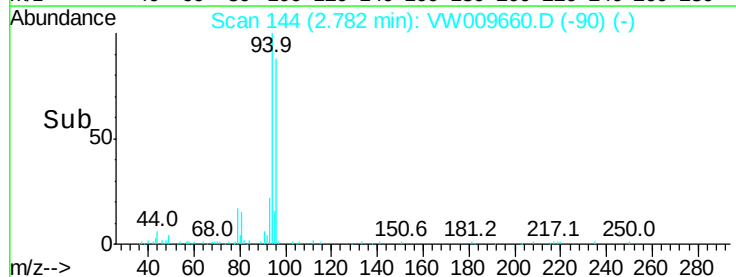
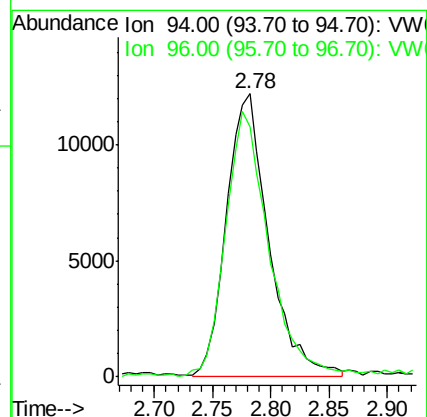
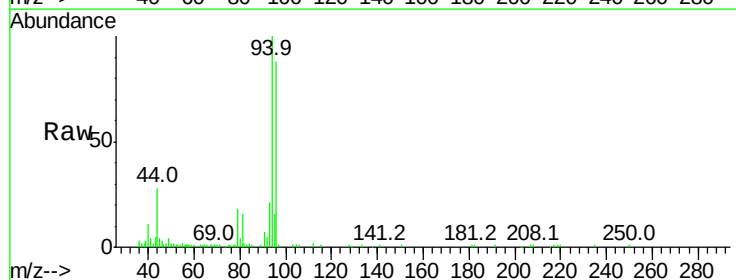
Acq: 03 Apr 2019 11:56

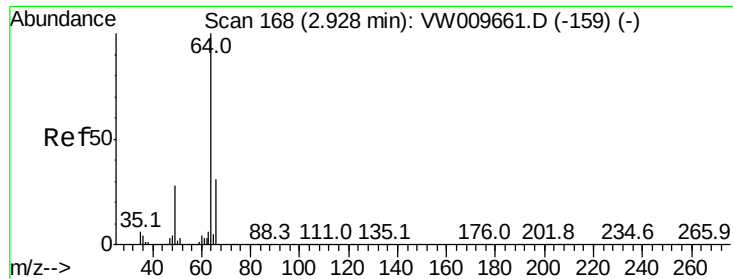
Tgt Ion: 94 Resp: 30559

Ion Ratio Lower Upper

94 100

96 97.1 9.3 177.3

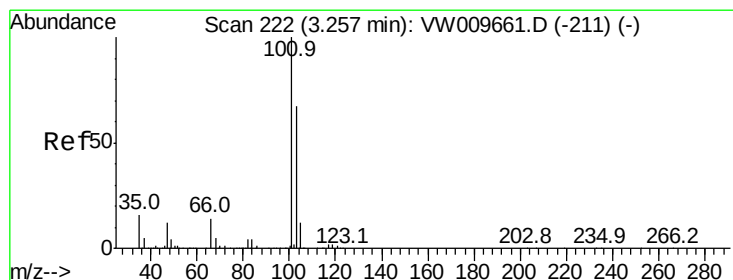
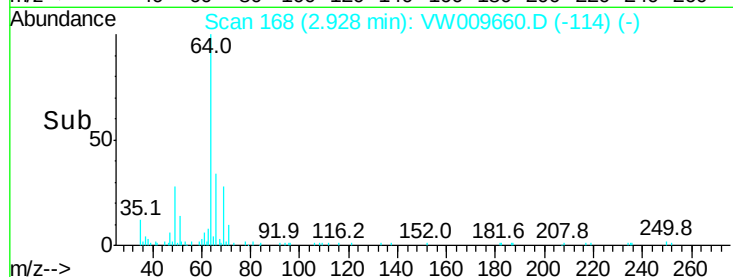
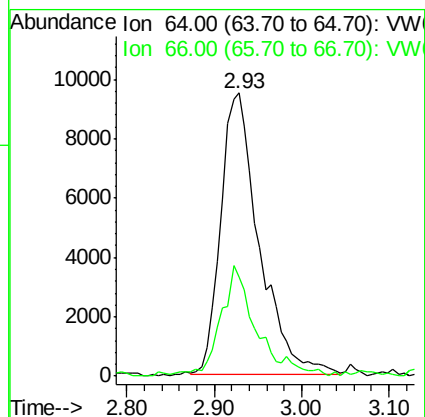
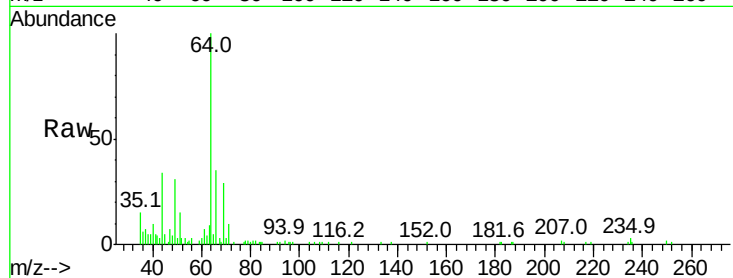




#8
Chloroethane
Concen: 4.905 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW009660.D
Acq: 03 Apr 2019 11:56

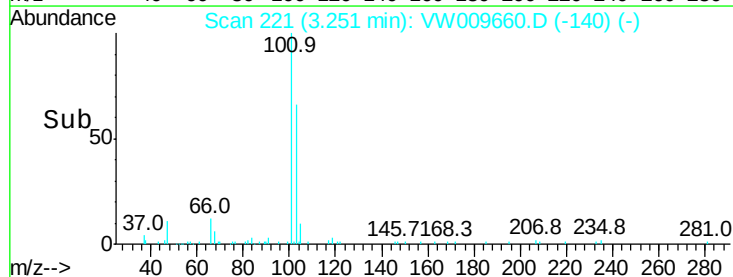
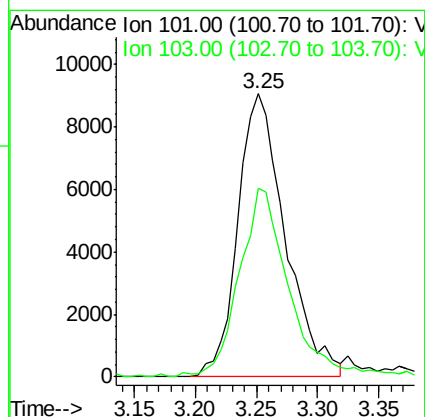
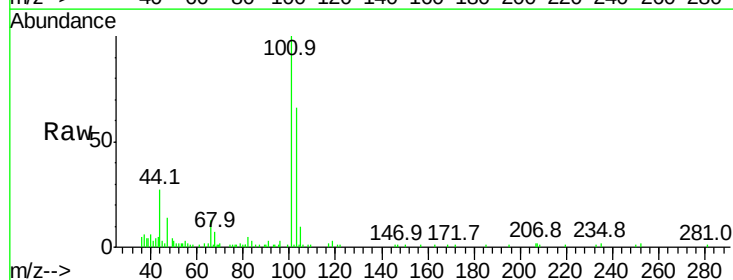
Instrument :
MSVOA_W
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VSTD00511

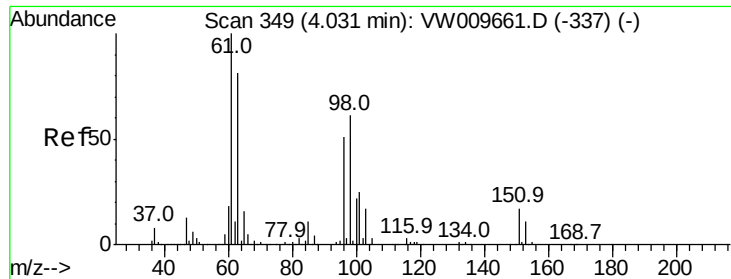
Tgt Ion: 64 Resp: 28794
Ion Ratio Lower Upper
64 100
66 34.8 21.6 40.2



#9
Trichlorofluoromethane
Concen: 4.358 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009660.D
Acq: 03 Apr 2019 11:56

Tgt Ion: 101 Resp: 24423
Ion Ratio Lower Upper
101 100
103 65.9 45.1 83.7





#12

1,1-Dichloroethene

Concen: 5.512 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

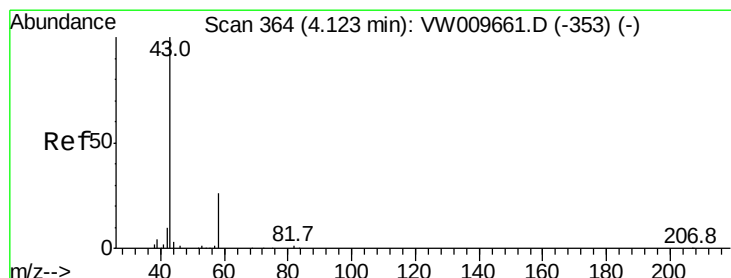
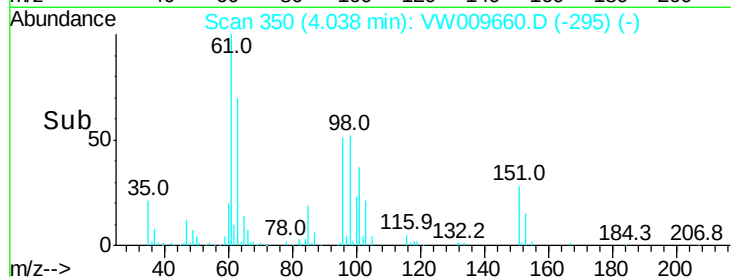
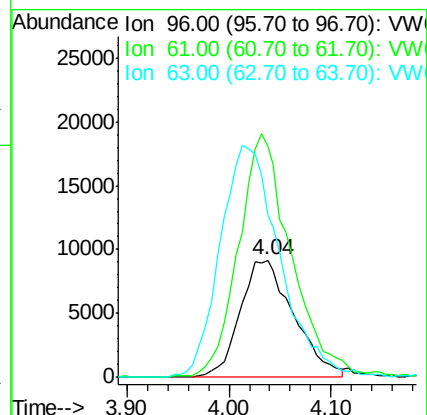
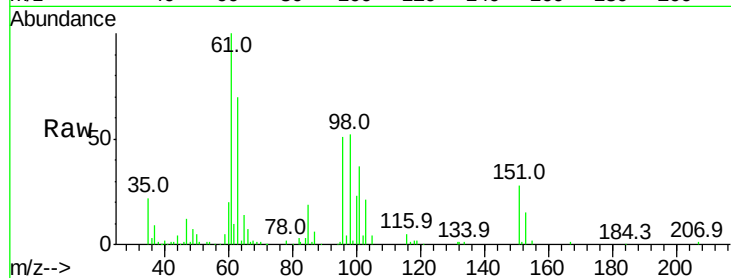
Tgt Ion: 96 Resp: 33472

Ion Ratio Lower Upper

96 100

61 196.7 138.8 257.8

63 138.1 114.6 212.8



#13

Acetone

Concen: 12.568 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009660.D

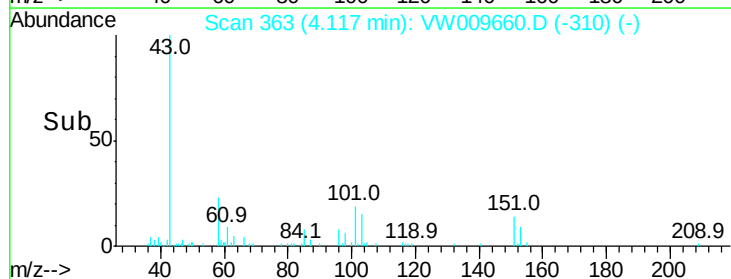
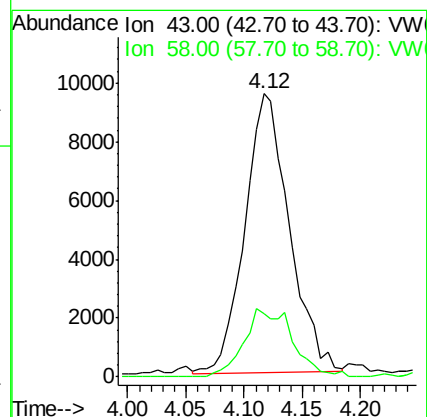
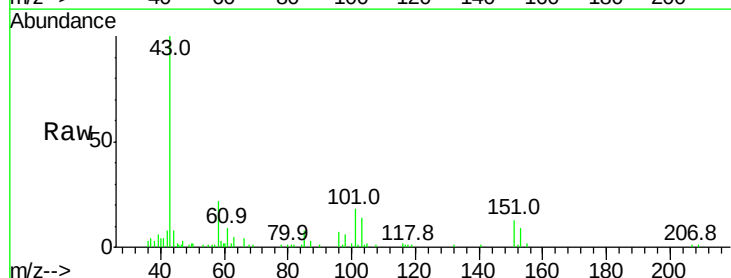
Acq: 03 Apr 2019 11:56

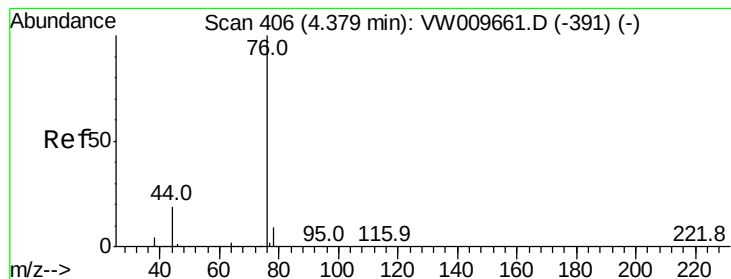
Tgt Ion: 43 Resp: 25121

Ion Ratio Lower Upper

43 100

58 15.4 0.0 53.0





#14

Carbon disulfide

Concen: 6.285 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

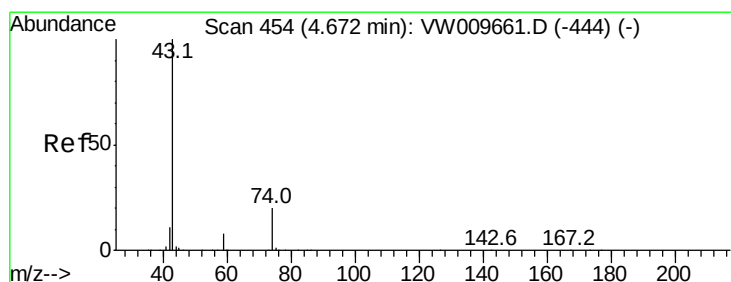
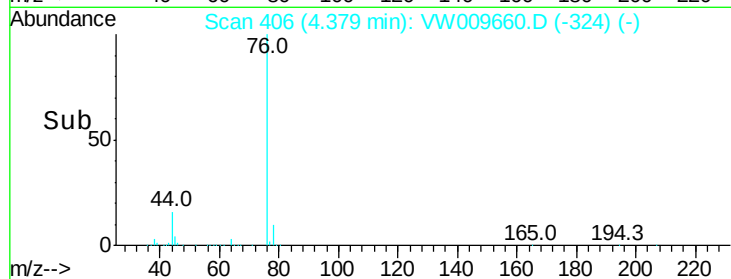
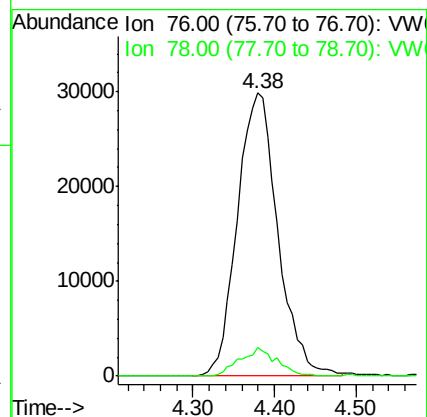
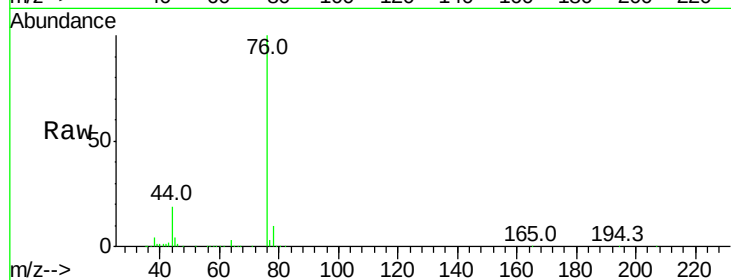
VSTD00511

Tgt Ion: 76 Resp: 102729

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



#15

Methyl Acetate

Concen: 5.757 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009660.D

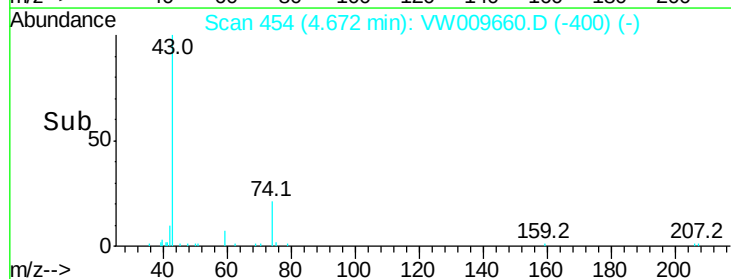
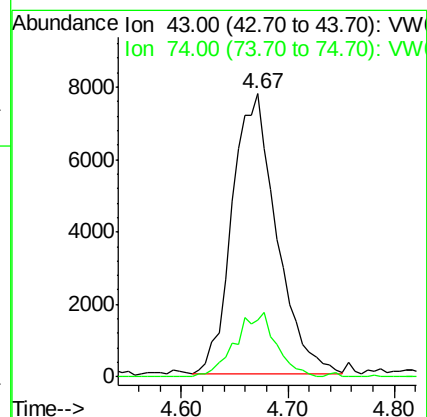
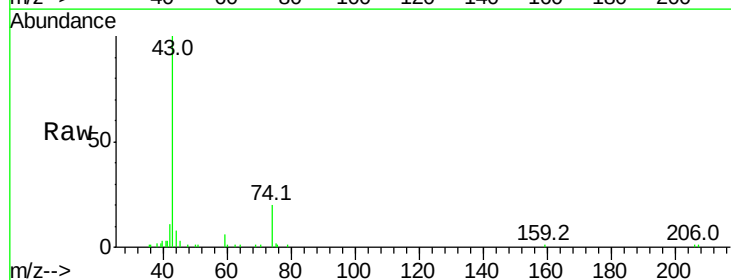
Acq: 03 Apr 2019 11:56

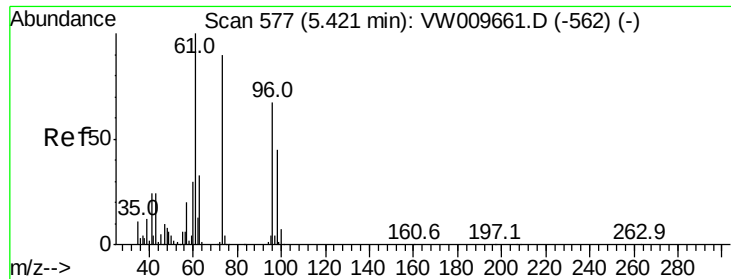
Tgt Ion: 43 Resp: 22604

Ion Ratio Lower Upper

43 100

74 10.9 17.2 25.8#

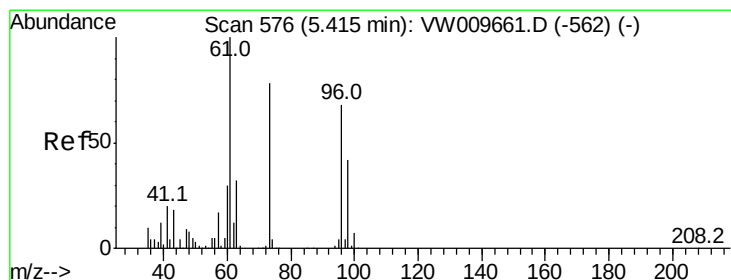
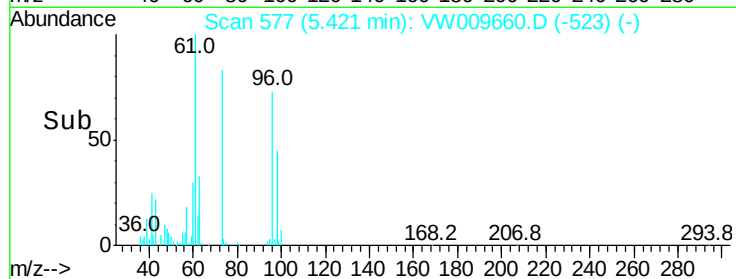
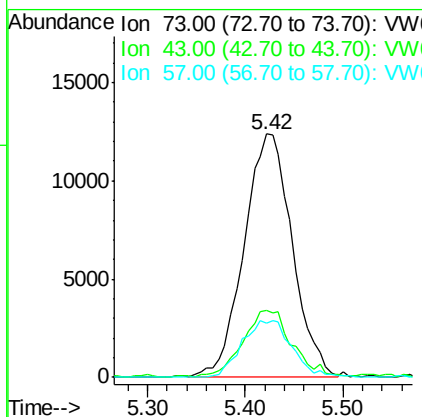
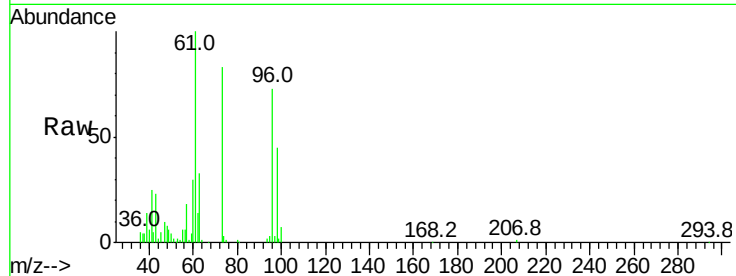




#17
Methyl tert-butyl Ether
Concen: 4.956 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009660.D
Acq: 03 Apr 2019 11:56

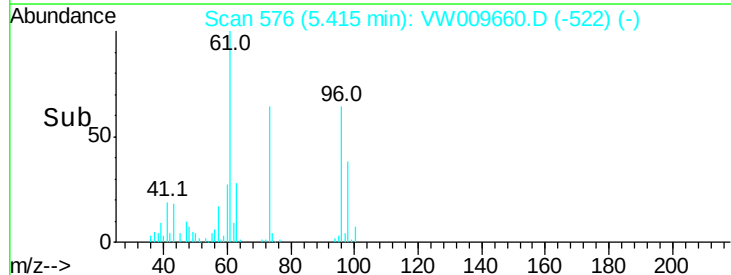
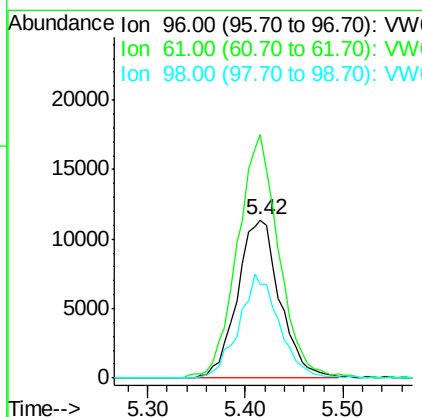
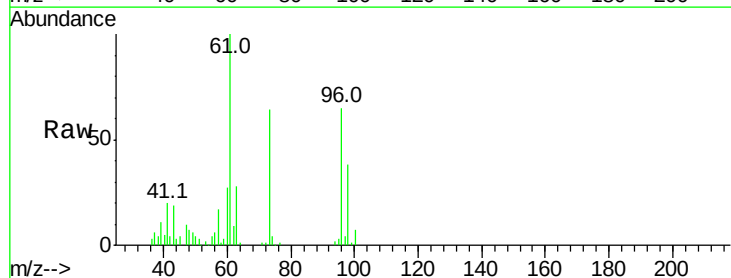
Instrument :
MSVOA_W
ClientSampleId :
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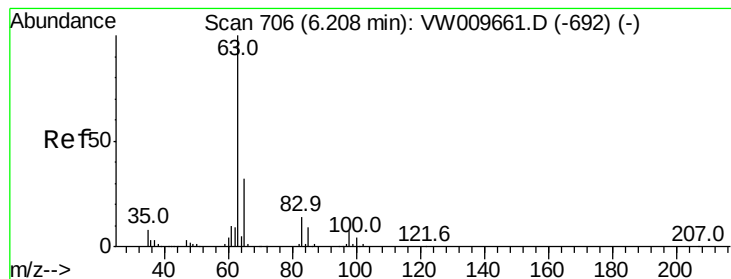
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Ion Ratio Lower Upper
73 100
43 17.7 20.2 30.2#
57 12.8 17.8 26.8#



#18
trans-1,2-Dichloroethene
Concen: 5.396 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009660.D
Acq: 03 Apr 2019 11:56

Tgt Ion: 96 Resp: 34454
Ion Ratio Lower Upper
96 100
61 154.1 103.7 192.5
98 59.1 43.7 81.1





#19

1,1-Dichloroethane

Concen: 5.697 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VSTD00511

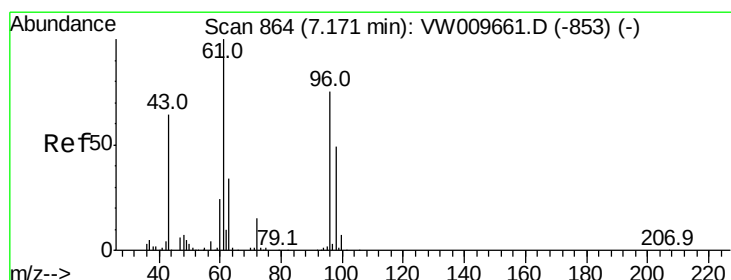
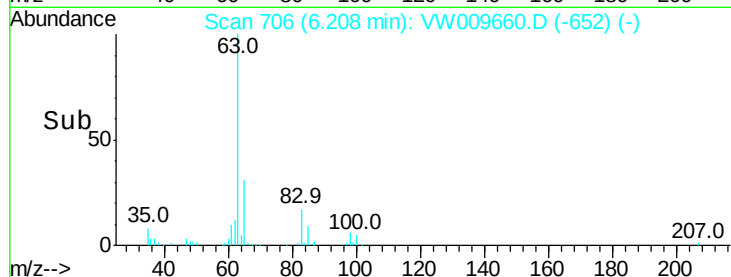
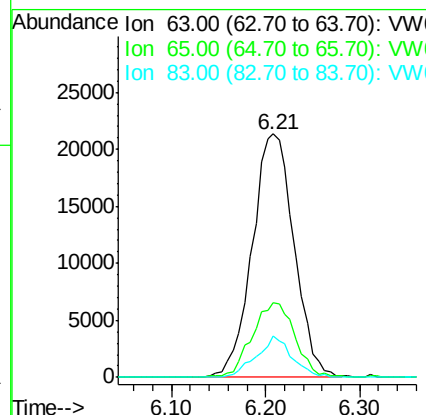
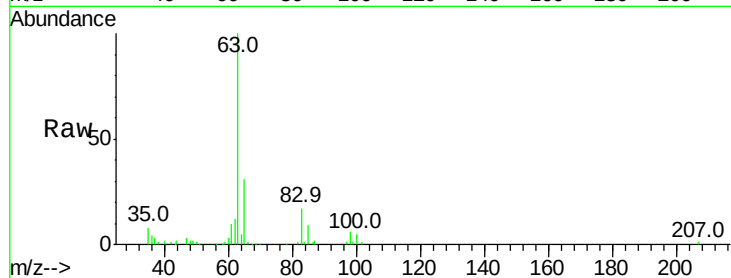
Tgt Ion: 63 Resp: 66324

Ion Ratio Lower Upper

63 100

65 30.6 22.6 42.0

83 17.0 9.8 18.2



#21

2-Butanone

Concen: 10.763 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009660.D

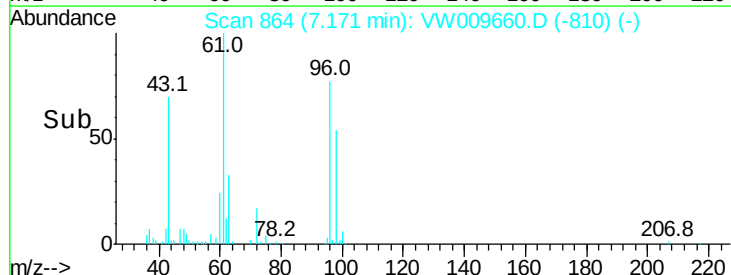
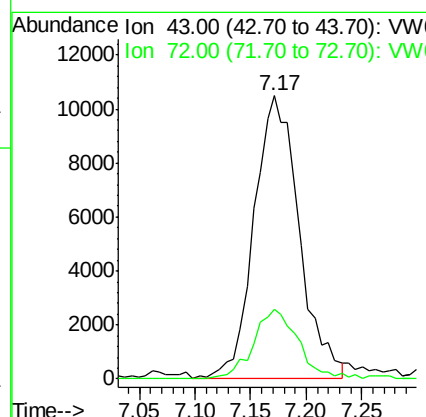
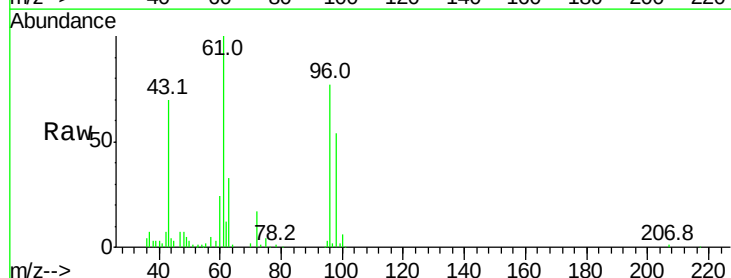
Acq: 03 Apr 2019 11:56

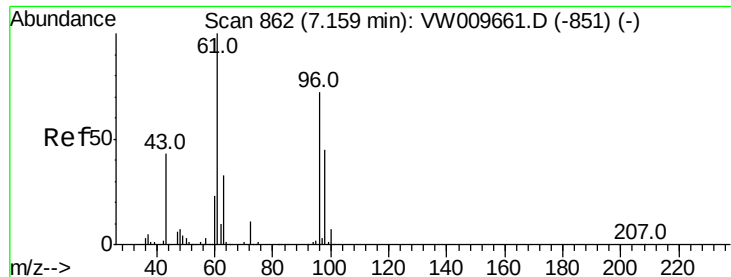
Tgt Ion: 43 Resp: 29703

Ion Ratio Lower Upper

43 100

72 24.5 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 5.154 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

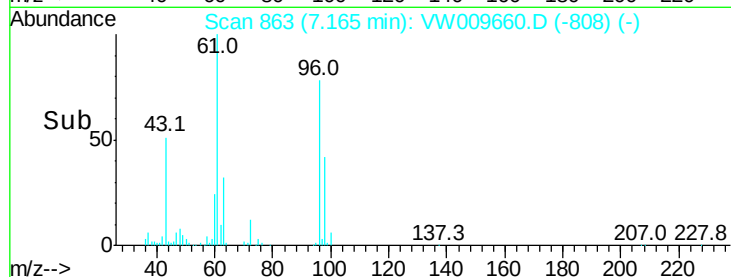
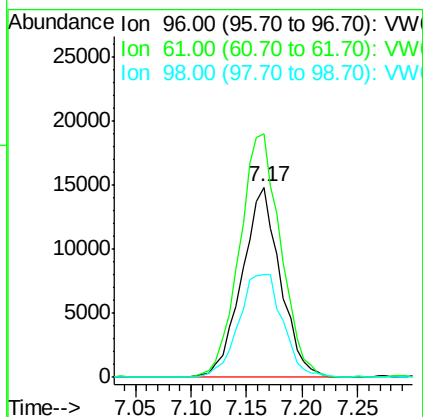
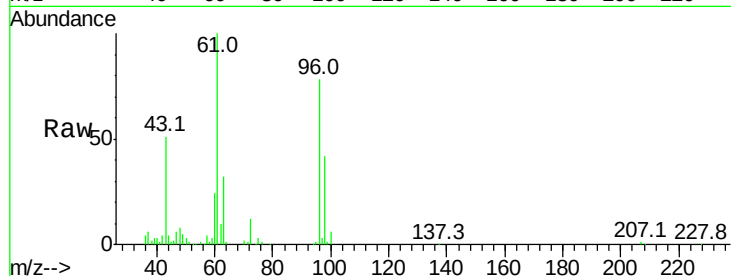
Tgt Ion: 96 Resp: 35649

Ion Ratio Lower Upper

96 100

61 128.3 96.8 179.8

98 54.4 43.5 80.9



#23

Bromochloromethane

Concen: 5.113 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Tgt Ion: 128 Resp: 16964

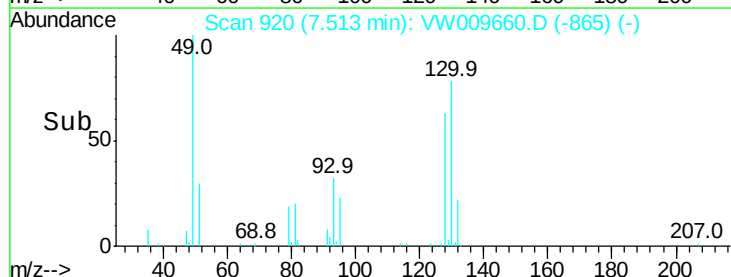
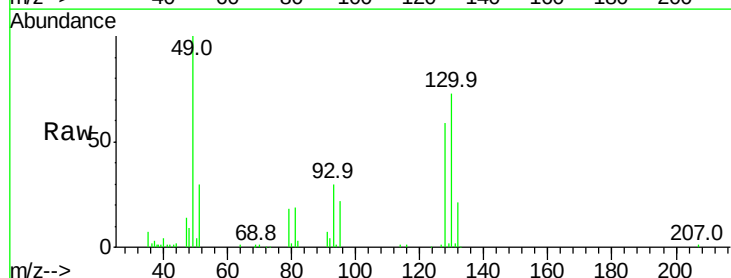
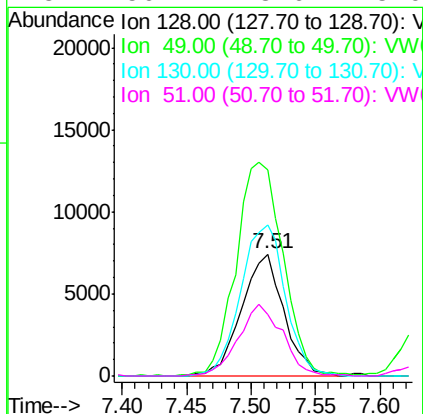
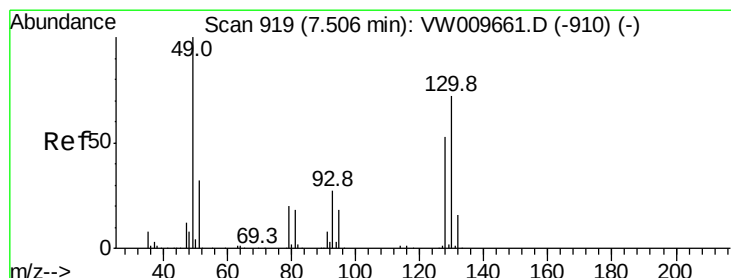
Ion Ratio Lower Upper

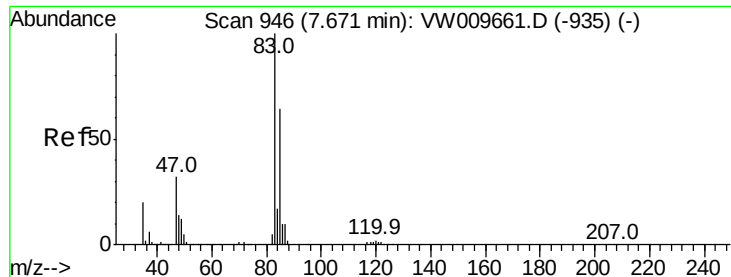
128 100

49 168.7 132.6 246.2

130 123.8 95.5 177.4

51 50.7 48.6 73.0





#25

Chloroform

Concen: 5.784 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

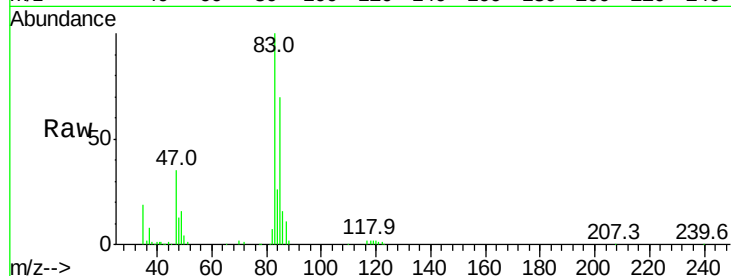
VSTD00511

Tgt Ion: 83 Resp: 70521

Ion Ratio Lower Upper

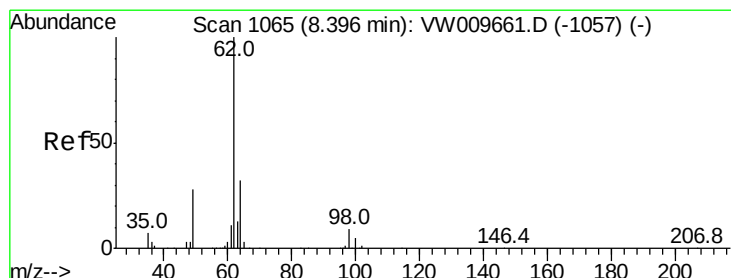
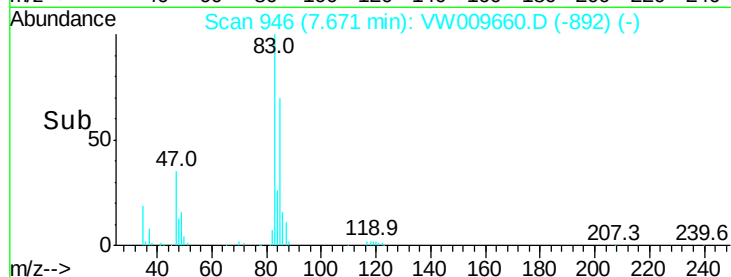
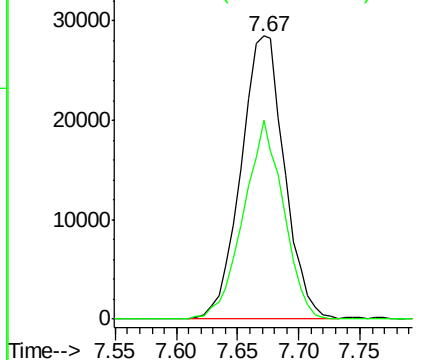
83 100

85 64.8 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 5.865 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009660.D

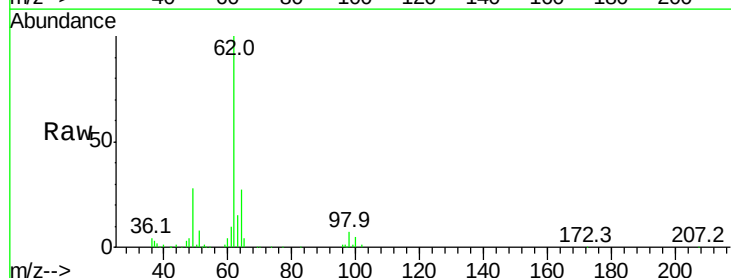
Acq: 03 Apr 2019 11:56

Tgt Ion: 62 Resp: 53314

Ion Ratio Lower Upper

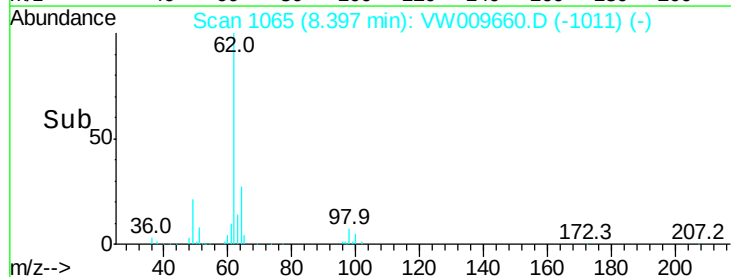
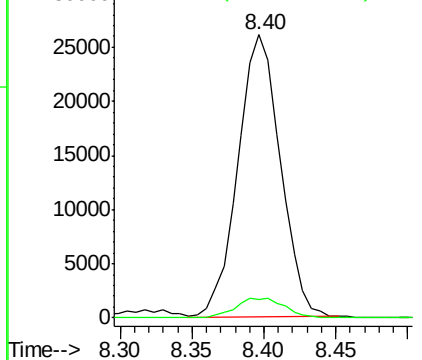
62 100

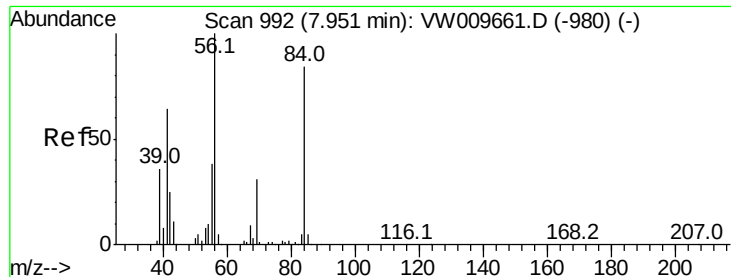
98 6.7 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

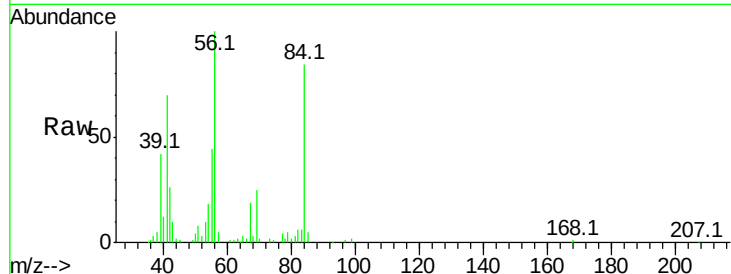




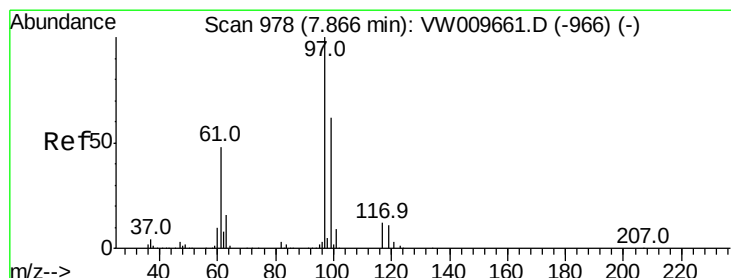
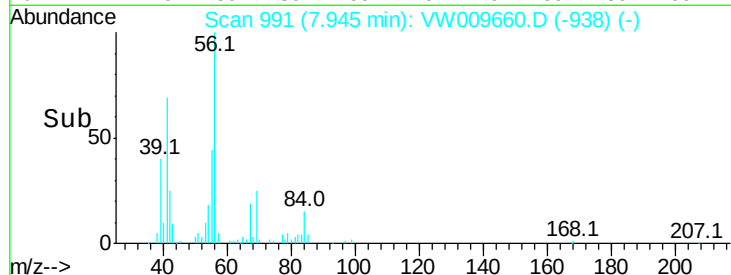
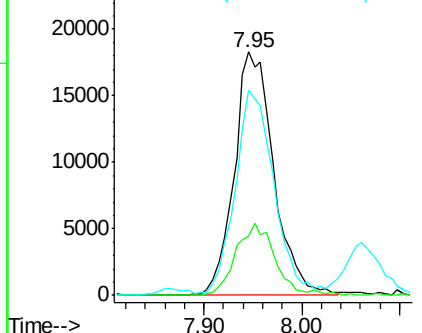
#30
Cyclohexane
Concen: 4.749 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009660.D
Acq: 03 Apr 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD00511

Tgt Ion: 56 Resp: 51101
Ion Ratio Lower Upper
56 100
69 28.6 23.4 35.2
84 82.8 67.7 101.5

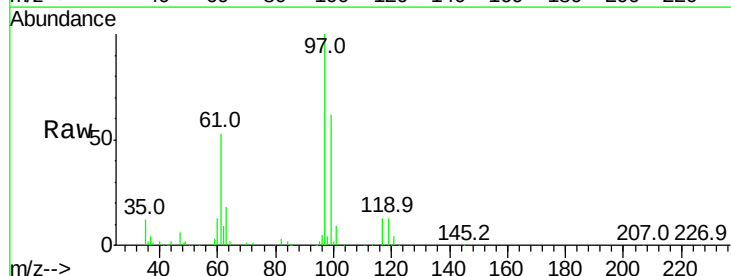


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

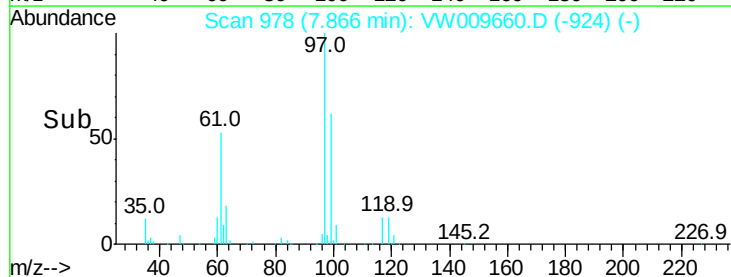
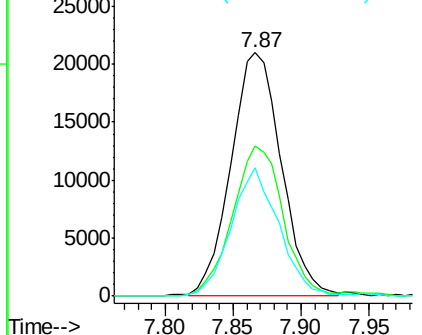


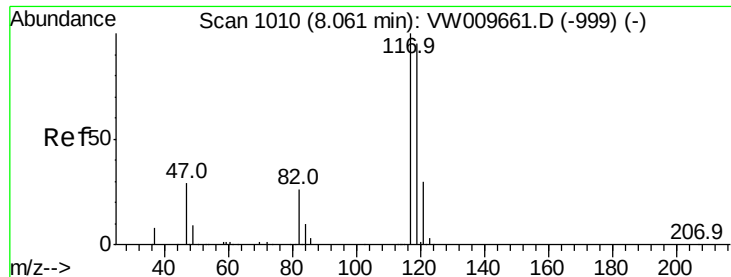
#31
1,1,1-Trichloroethane
Concen: 5.746 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009660.D
Acq: 03 Apr 2019 11:56

Tgt Ion: 97 Resp: 54377
Ion Ratio Lower Upper
97 100
99 62.0 50.8 76.2
61 49.4 38.6 57.8



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





#32

Carbon tetrachloride

Concen: 5.557 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

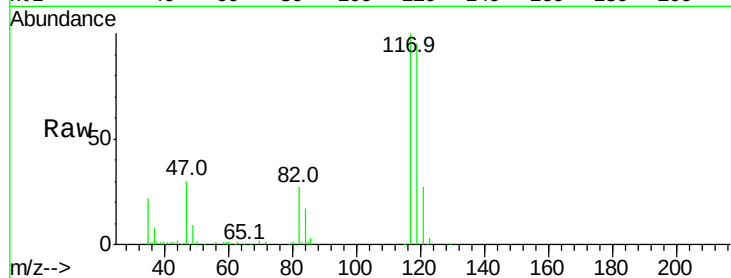
VSTD00511

Tgt Ion:117 Resp: 53059

Ion Ratio Lower Upper

117 100

119 96.7 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

25000

20000

15000

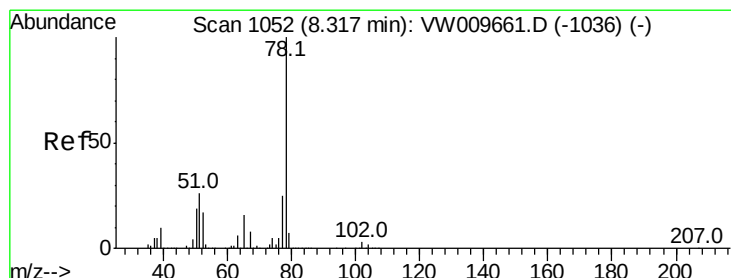
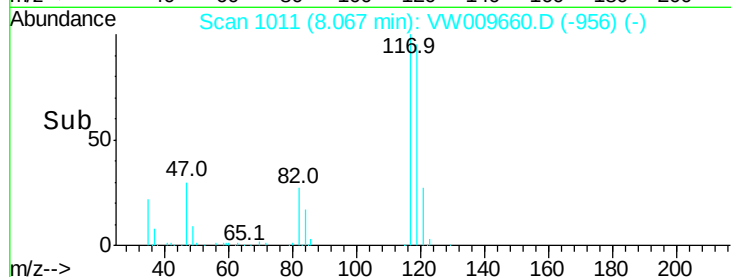
10000

5000

0

7.95 8.00 8.05 8.10 8.15

Time-->



#34

Benzene

Concen: 5.481 ug/L

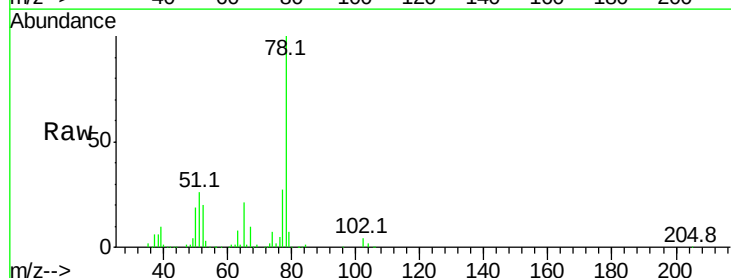
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Tgt Ion: 78 Resp: 142158



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

60000

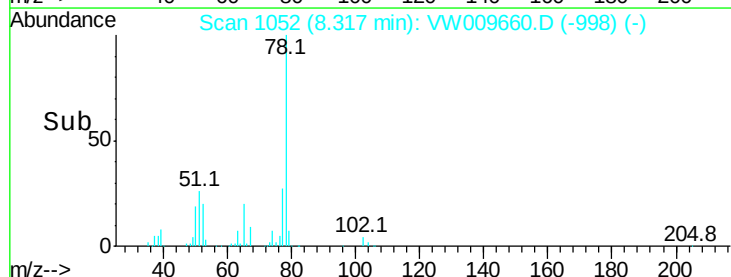
40000

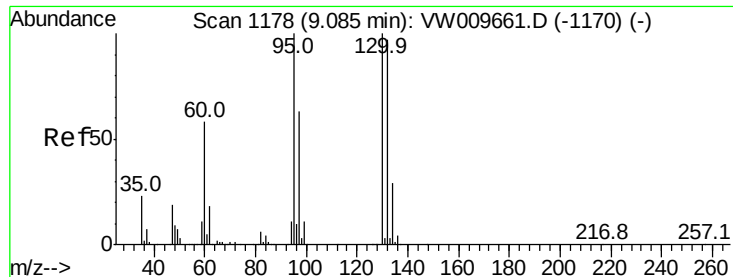
20000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 5.333 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

Tgt Ion: 95 Resp: 36852

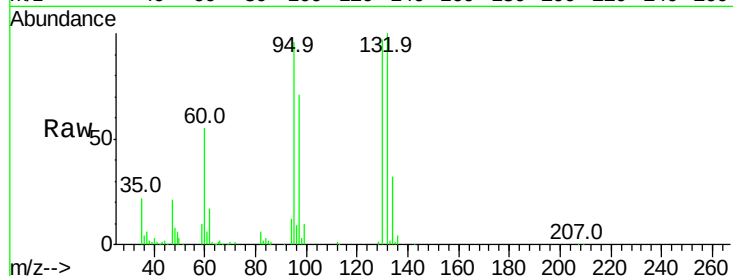
Ion Ratio Lower Upper

95 100

97 69.1 44.9 83.5

132 100.8 67.1 124.7

130 102.5 69.2 128.6

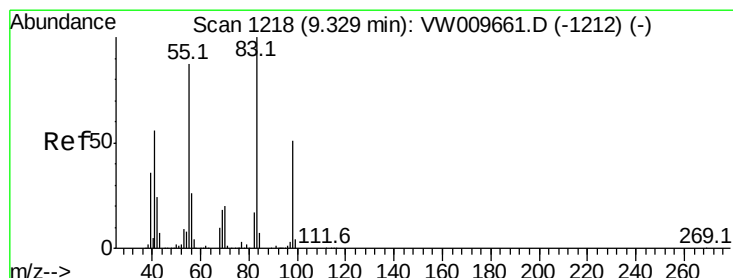
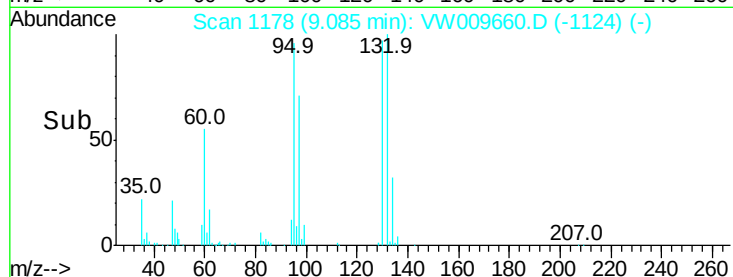
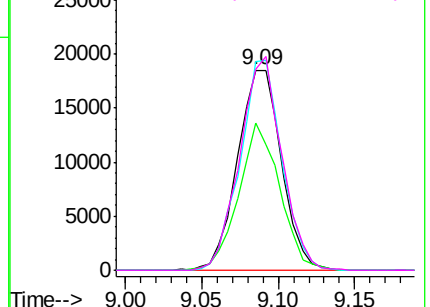


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.843 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

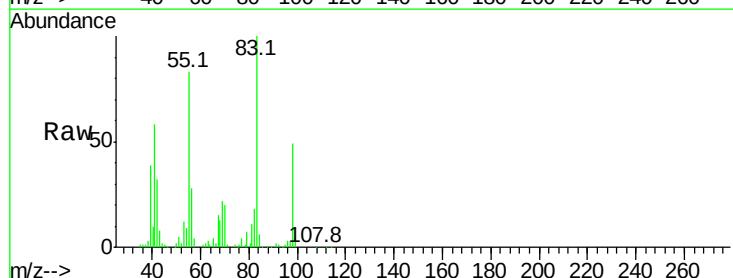
Tgt Ion: 83 Resp: 57902

Ion Ratio Lower Upper

83 100

55 85.8 66.3 99.5

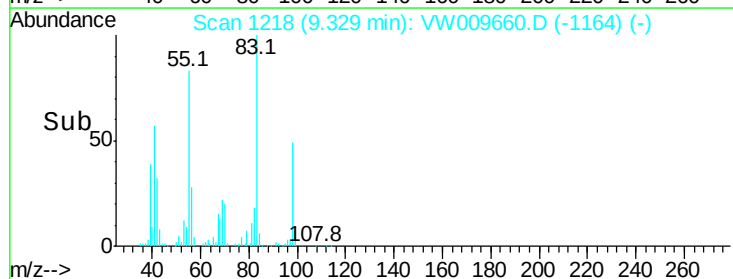
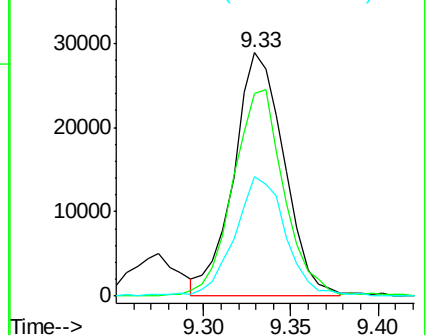
98 49.2 39.4 59.0

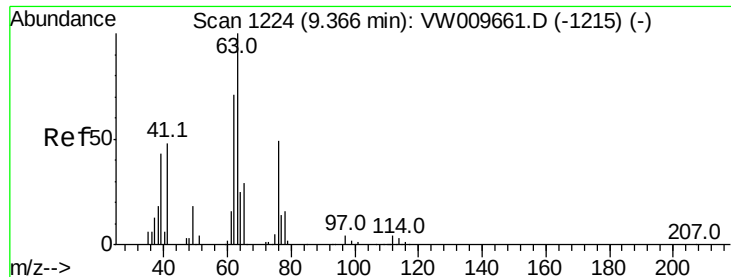


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

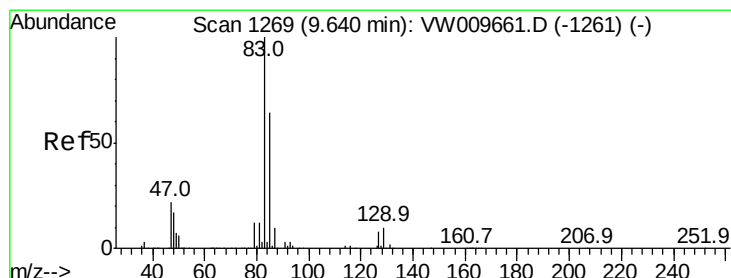
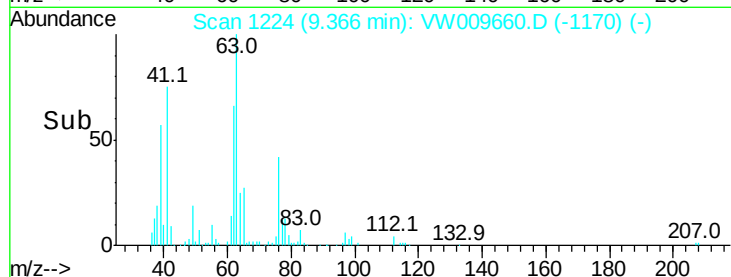
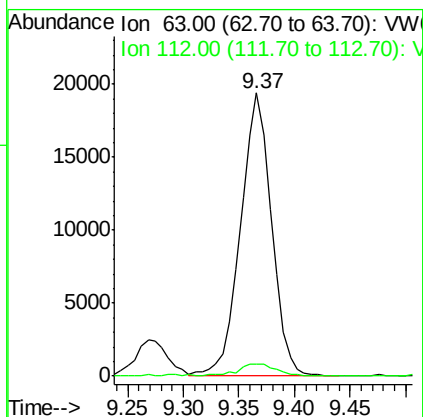
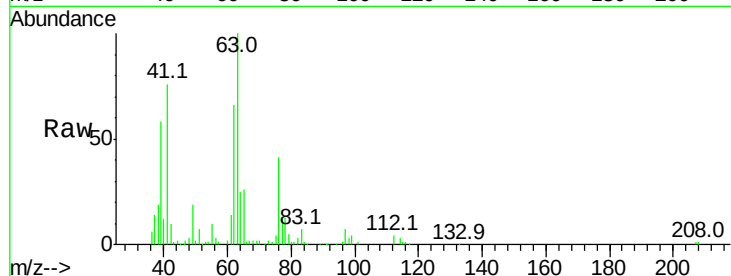




#40
 1,2-Dichloropropane
 Concen: 5.659 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

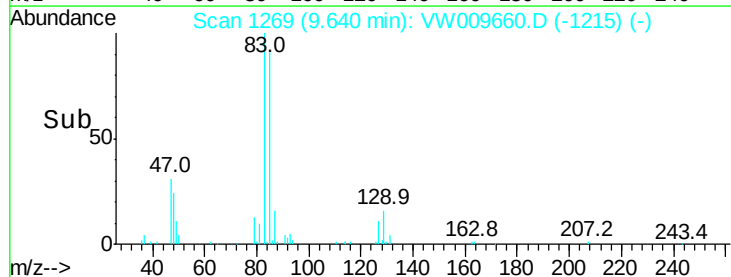
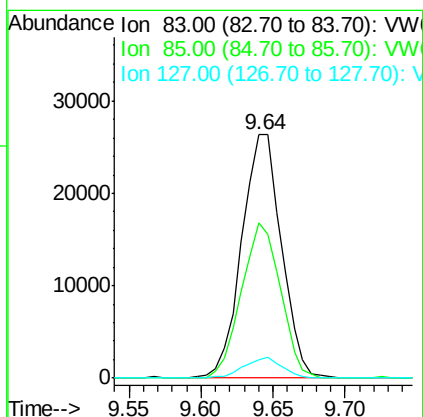
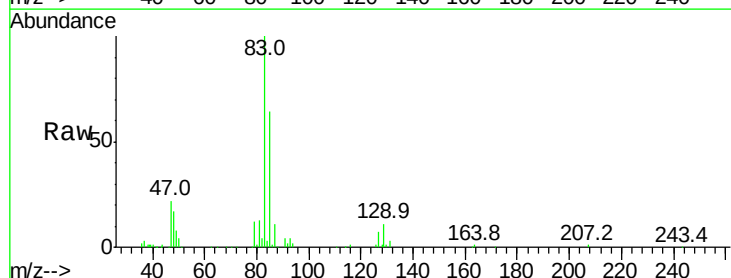
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00511

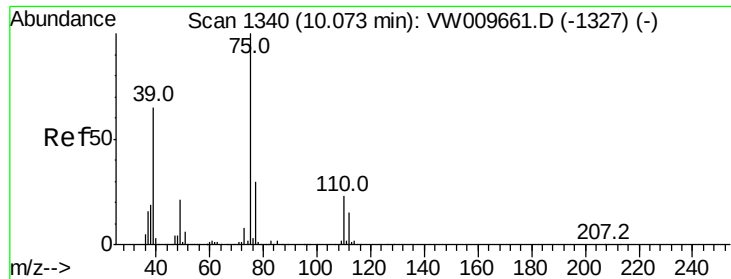
Tgt Ion: 63 Resp: 37658
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.8 5.8



#41
 Bromodichloromethane
 Concen: 5.463 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

Tgt Ion: 83 Resp: 50378
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.0 83.6
 127 7.5 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 4.904 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

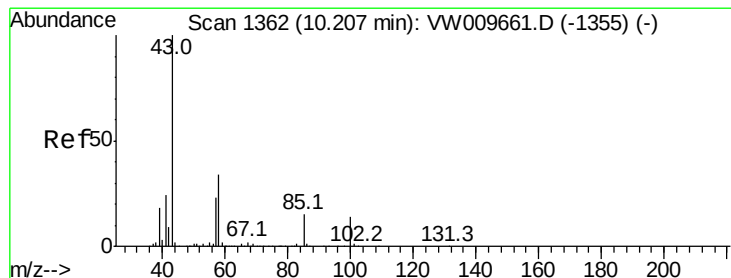
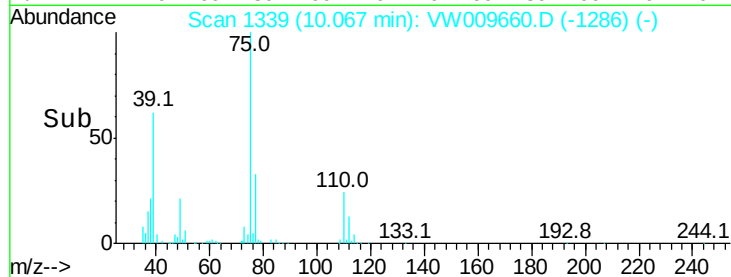
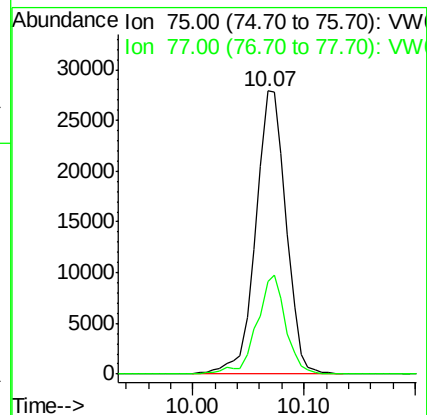
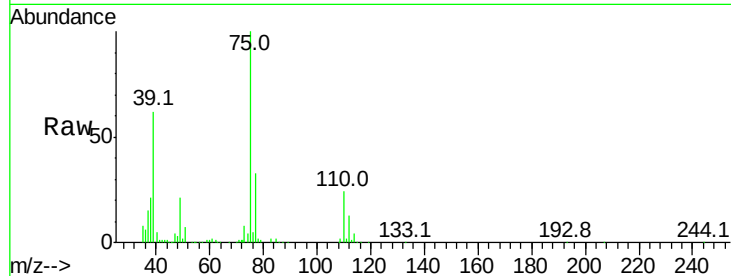
VSTD00511

Tgt Ion: 75 Resp: 53154

Ion Ratio Lower Upper

75 100

77 32.8 21.0 39.0



#43

4-Methyl-2-pentanone

Concen: 9.206 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

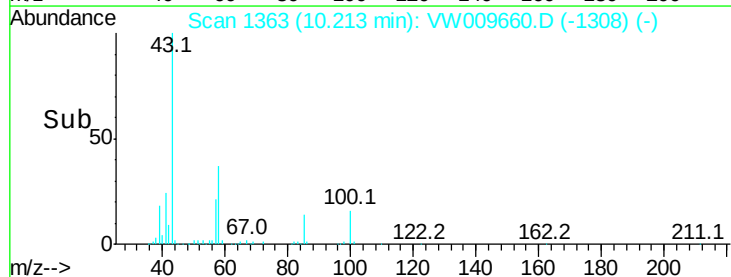
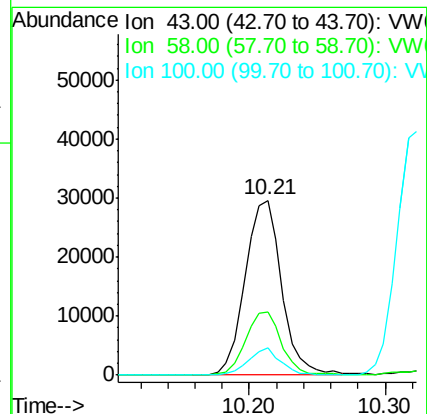
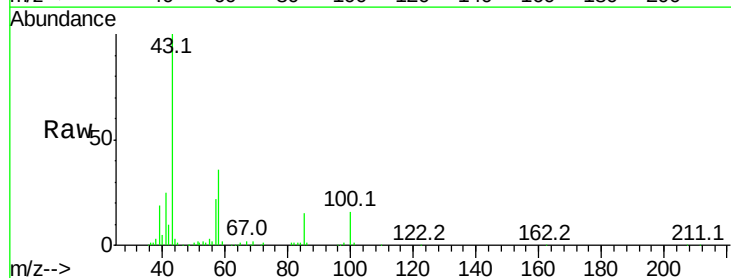
Tgt Ion: 43 Resp: 55517

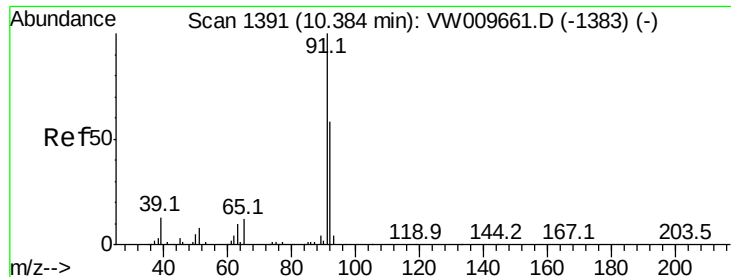
Ion Ratio Lower Upper

43 100

58 35.1 28.2 42.4

100 13.5 10.9 16.3





#44

Toluene

Concen: 5.137 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

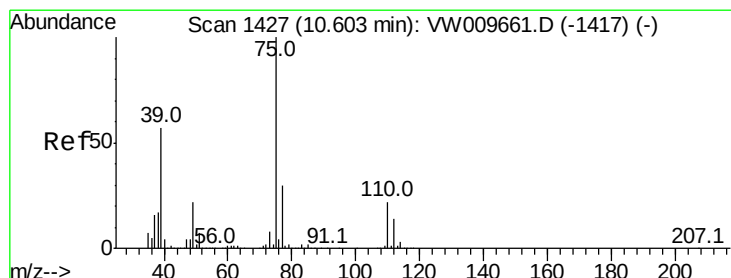
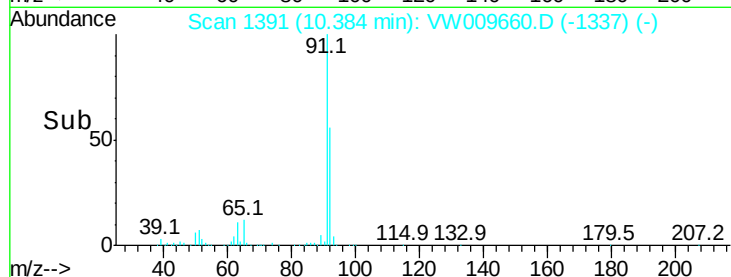
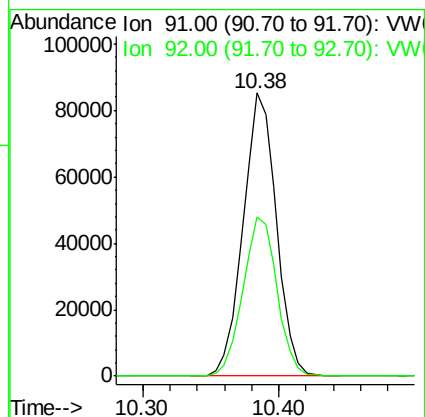
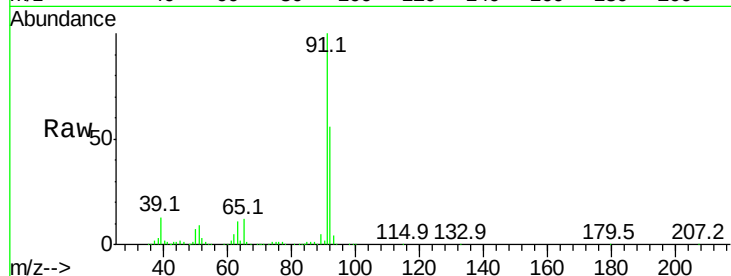
VSTD00511

Tgt Ion: 91 Resp: 145663

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.1



#45

trans-1,3-Dichloropropene

Concen: 4.792 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009660.D

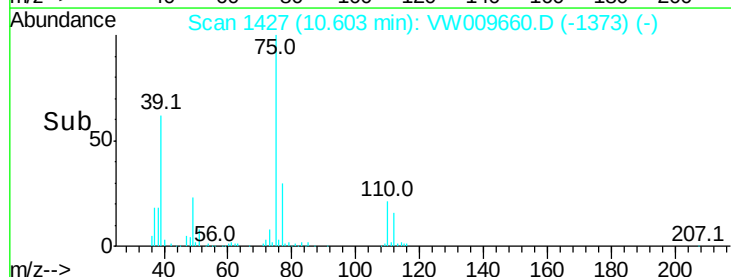
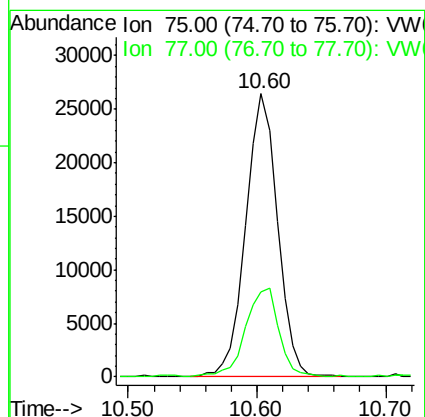
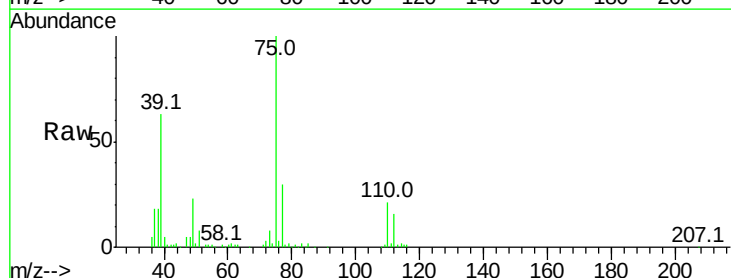
Acq: 03 Apr 2019 11:56

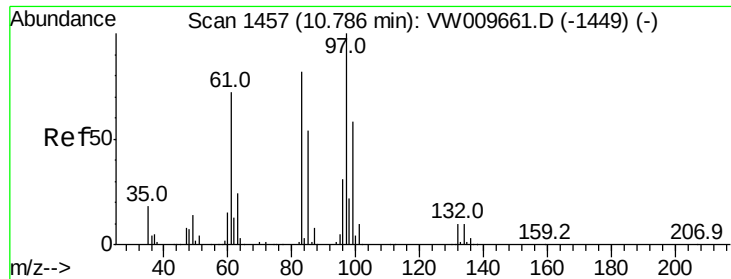
Tgt Ion: 75 Resp: 45188

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.3

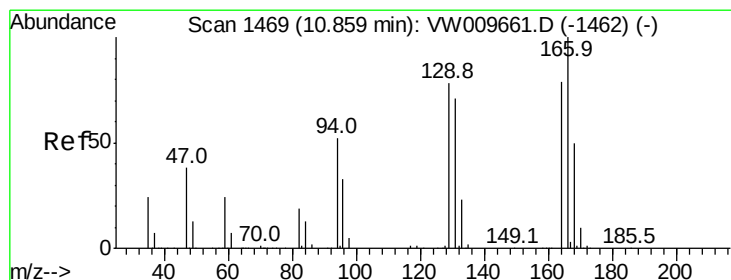
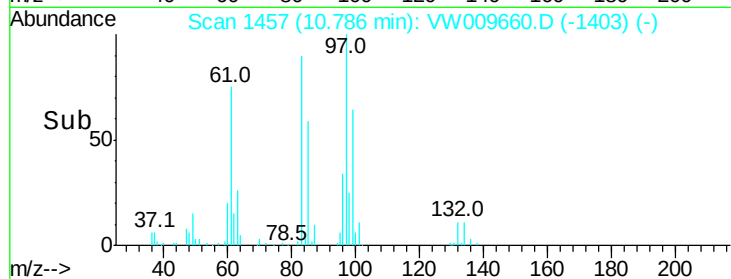
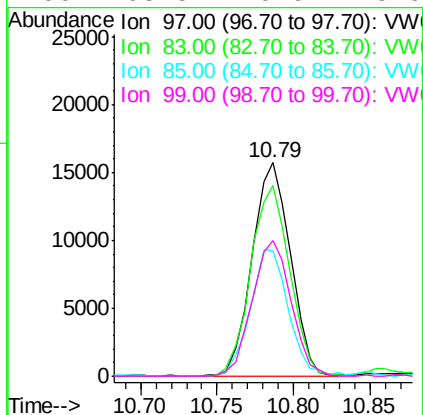
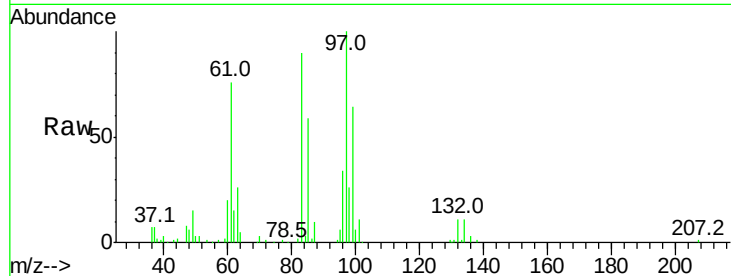




#46
 1,1,2-Trichloroethane
 Concen: 5.164 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

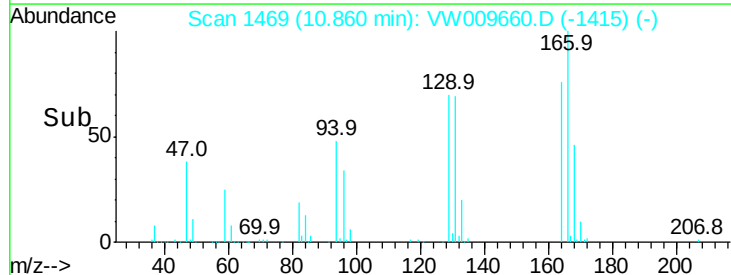
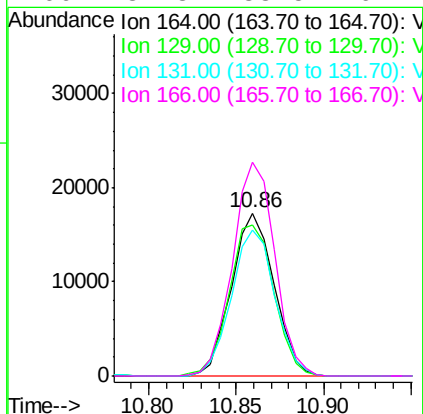
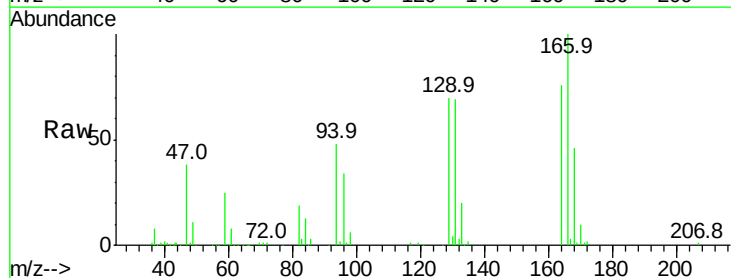
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00511

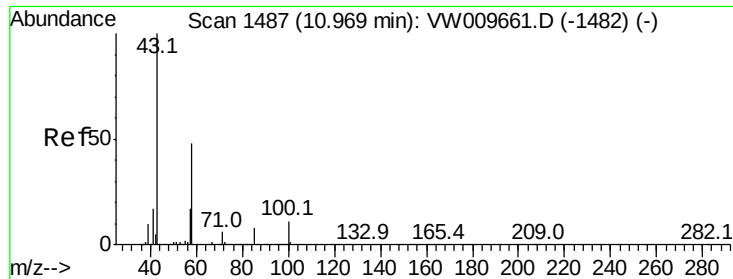
Tgt Ion:	97	Resp:	27418
Ion	Ratio	Lower	Upper
97	100		
83	89.6	57.3	106.3
85	58.9	38.1	70.7
99	63.5	40.9	75.9



#47
 Tetrachloroethene
 Concen: 5.037 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

Tgt Ion:	164	Resp:	29414
Ion	Ratio	Lower	Upper
164	100		
129	92.6	68.9	127.9
131	90.0	63.1	117.1
166	131.3	88.5	164.4





#49

2-Hexanone

Concen: 9.841 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

Tgt Ion: 43 Resp: 41799

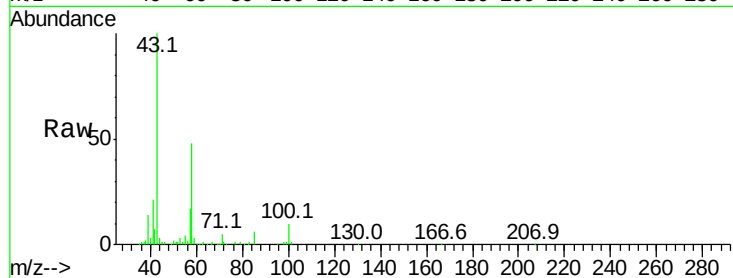
Ion Ratio Lower Upper

43 100

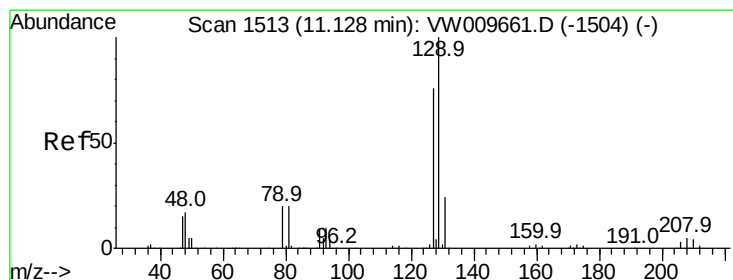
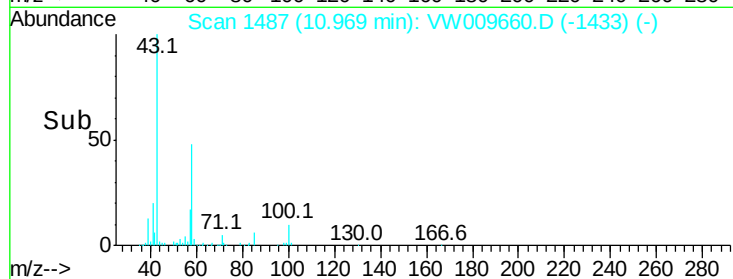
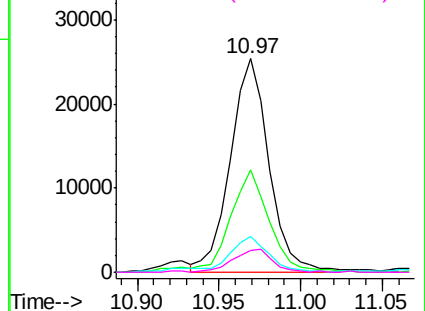
58 49.6 38.9 58.3

57 16.5 13.8 20.6

100 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 4.994 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009660.D

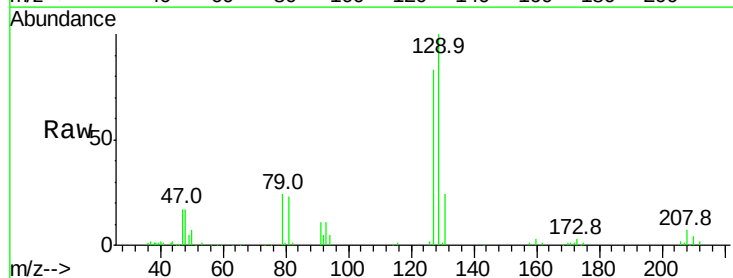
Acq: 03 Apr 2019 11:56

Tgt Ion: 129 Resp: 32731

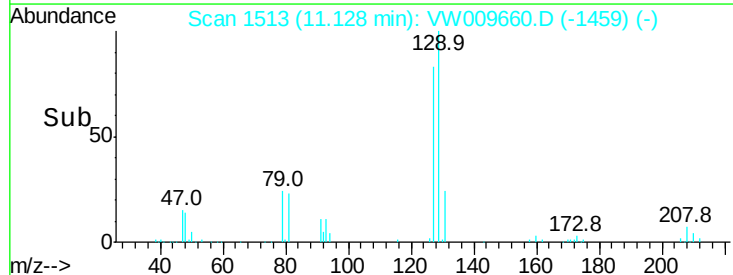
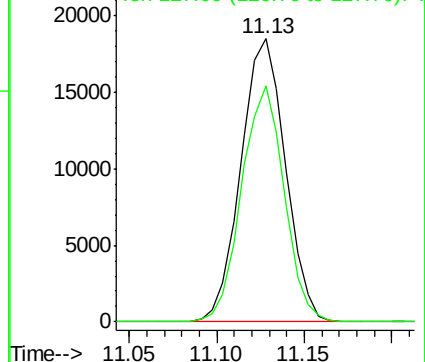
Ion Ratio Lower Upper

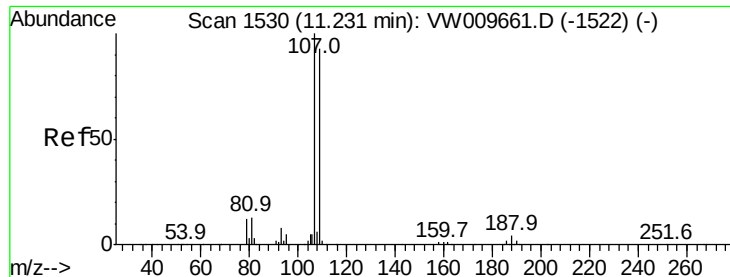
129 100

127 83.3 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 5.250 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

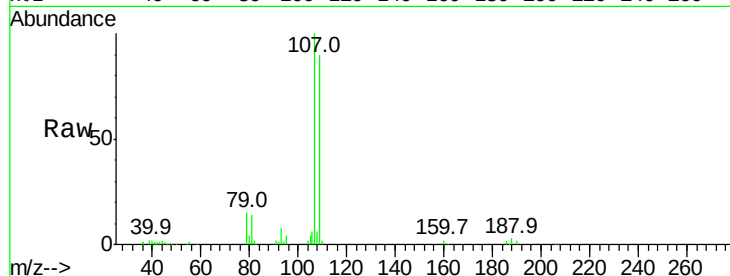
Tgt Ion:107 Resp: 28255

Ion Ratio Lower Upper

107 100

109 90.1 65.4 121.4

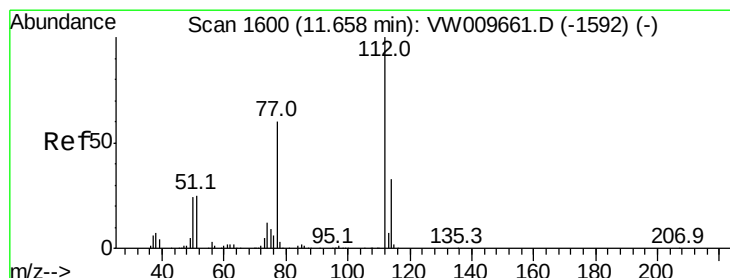
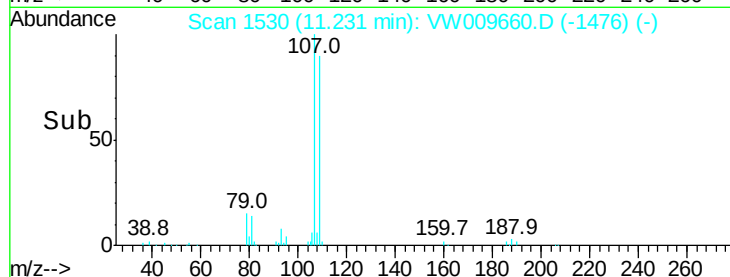
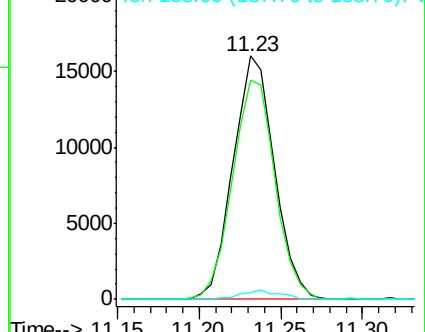
188 2.6 3.2 4.8#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 5.332 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

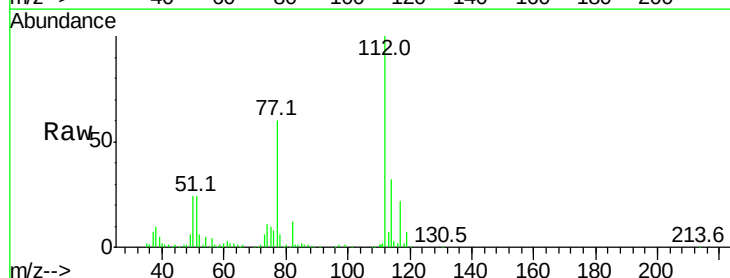
Tgt Ion:112 Resp: 96970

Ion Ratio Lower Upper

112 100

77 59.9 48.2 72.2

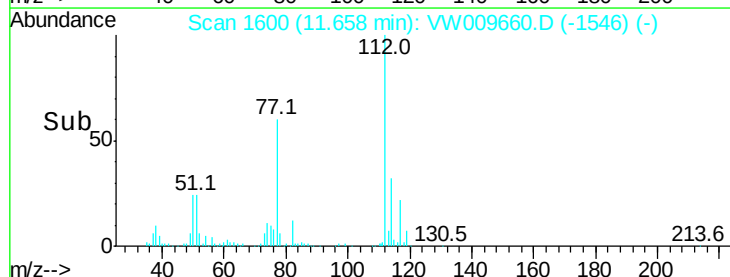
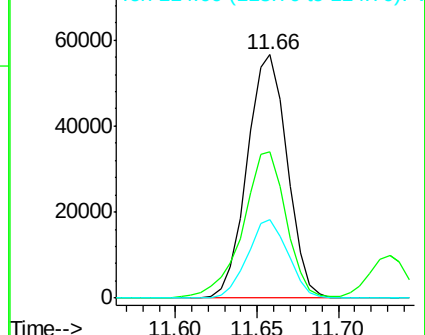
114 32.4 23.0 42.6

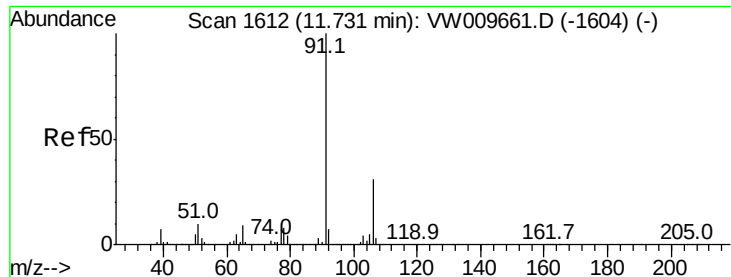


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 5.119 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

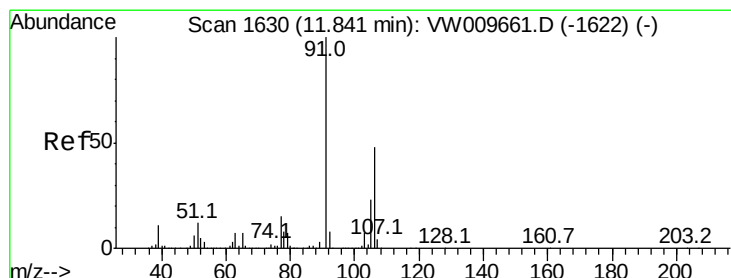
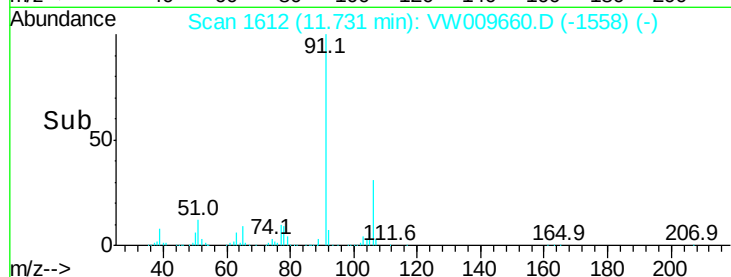
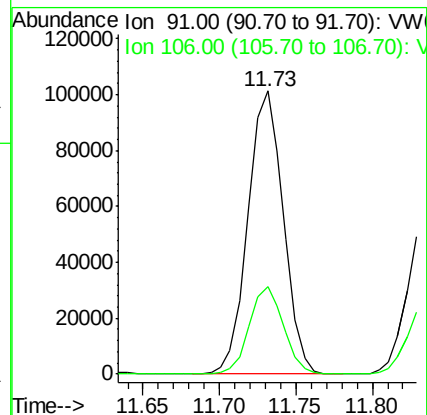
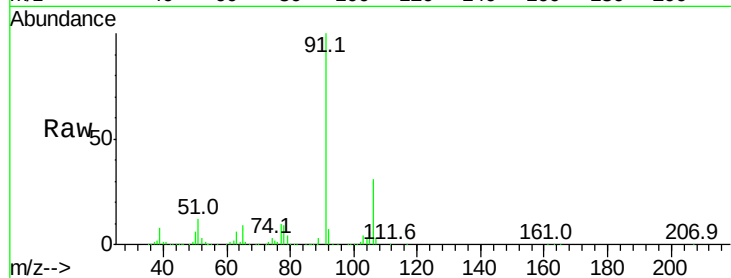
VSTD00511

Tgt Ion: 91 Resp: 163199

Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



#54

m,p-Xylene

Concen: 4.911 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009660.D

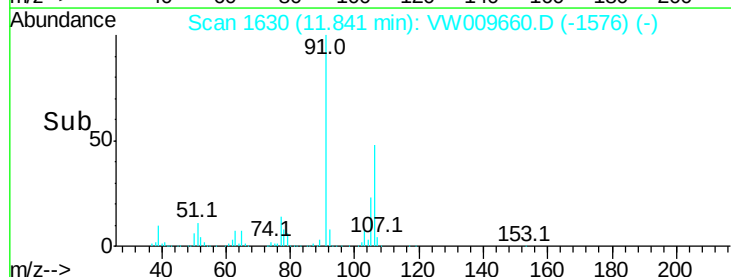
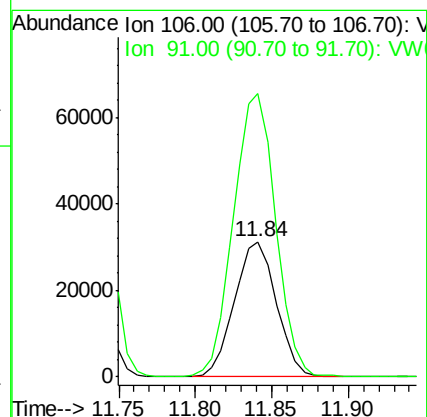
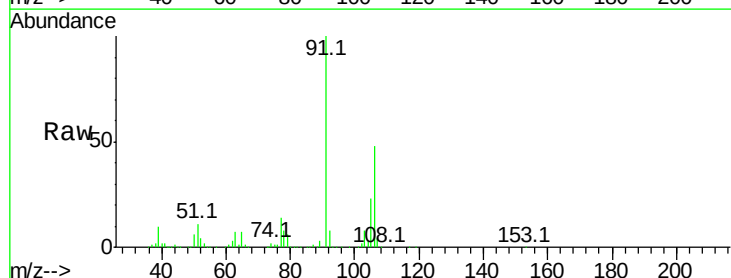
Acq: 03 Apr 2019 11:56

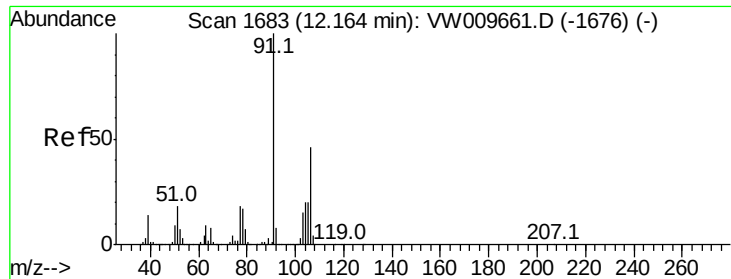
Tgt Ion: 106 Resp: 59485

Ion Ratio Lower Upper

106 100

91 209.0 145.3 269.9





#55

o-xylene

Concen: 4.660 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

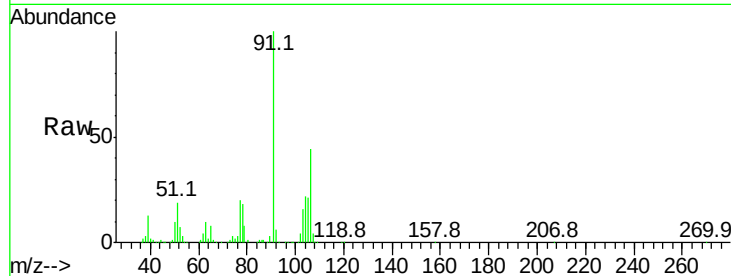
VSTD00511

Tgt Ion:106 Resp: 55067

Ion Ratio Lower Upper

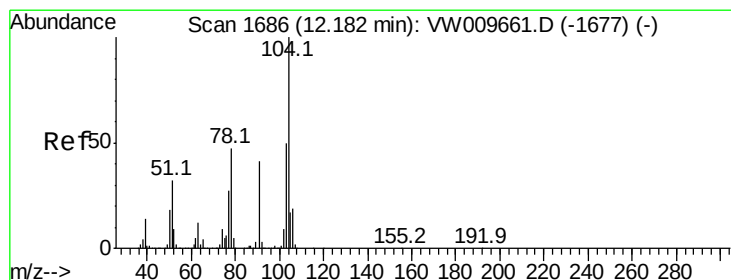
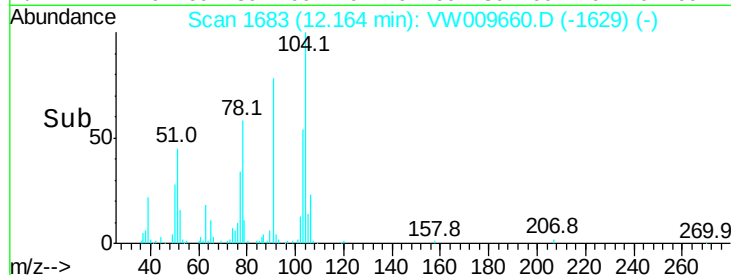
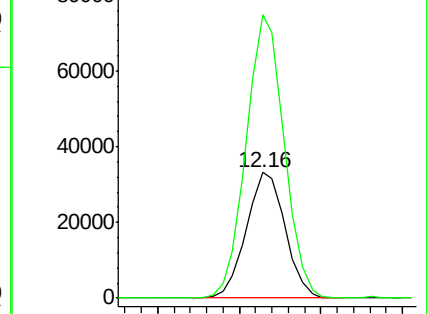
106 100

91 225.1 153.9 285.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 4.664 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009660.D

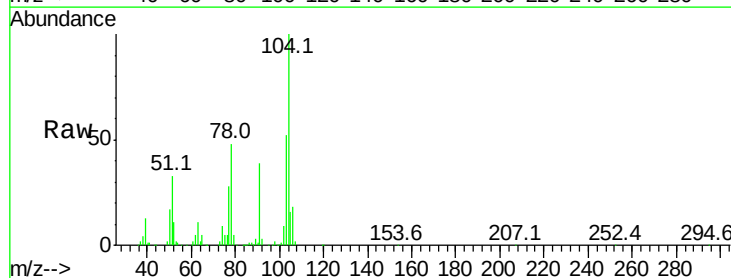
Acq: 03 Apr 2019 11:56

Tgt Ion:104 Resp: 94021

Ion Ratio Lower Upper

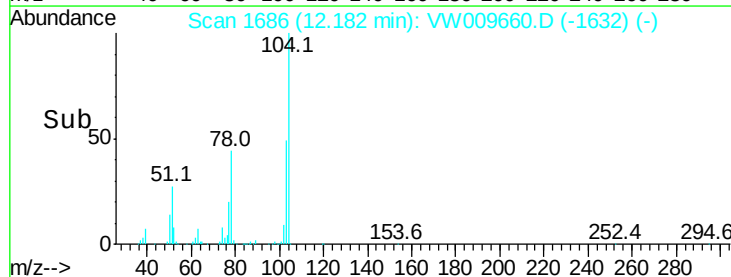
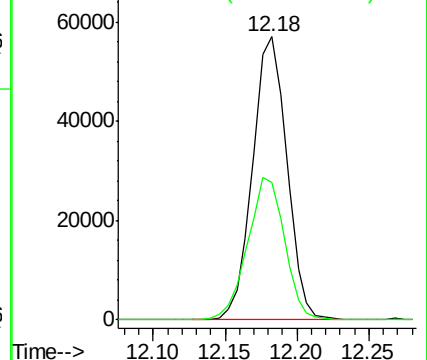
104 100

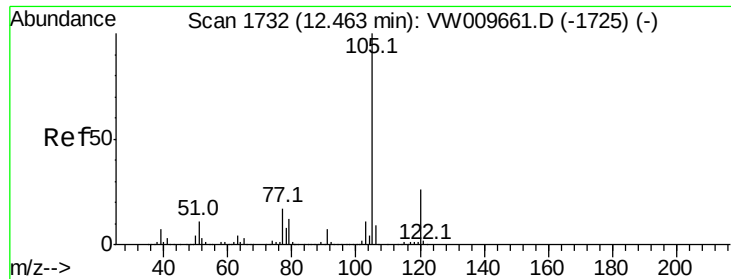
78 48.4 32.9 61.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 4.747 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VSTD00511

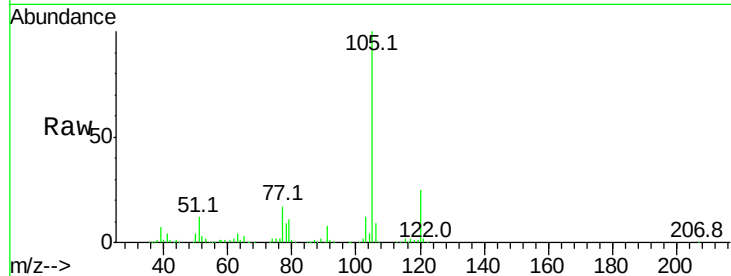
Tgt Ion:105 Resp: 150261

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4

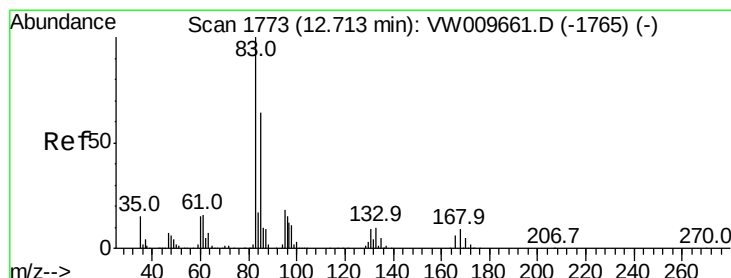
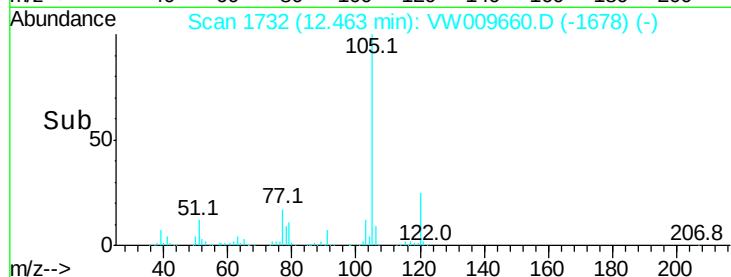
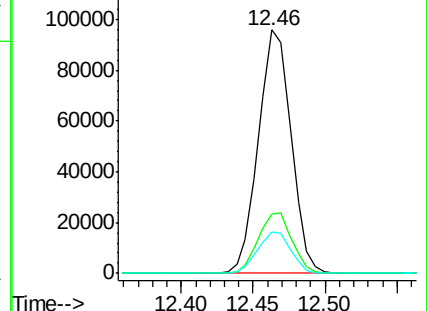
77 17.3 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.303 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

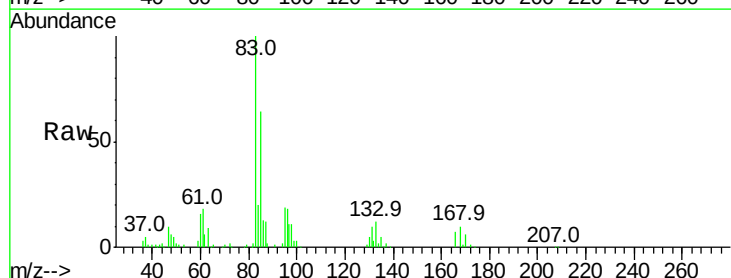
Tgt Ion: 83 Resp: 37986

Ion Ratio Lower Upper

83 100

85 64.4 44.9 83.3

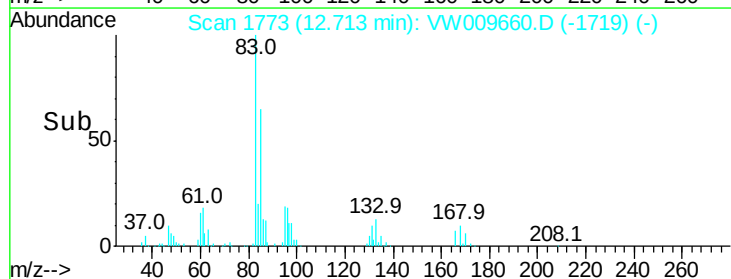
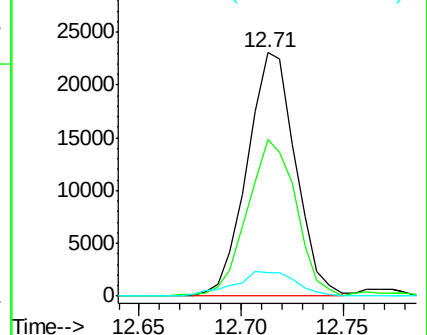
131 9.7 7.2 10.8

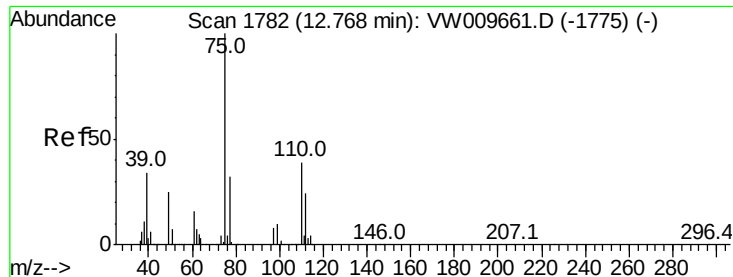


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.369 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

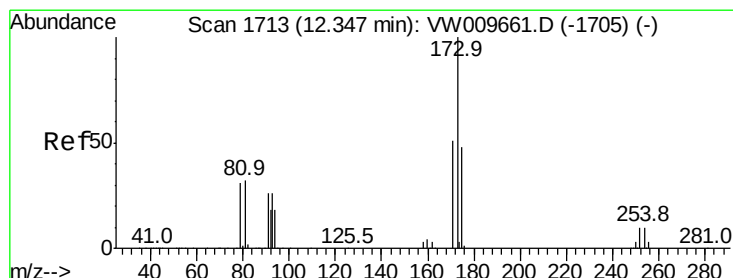
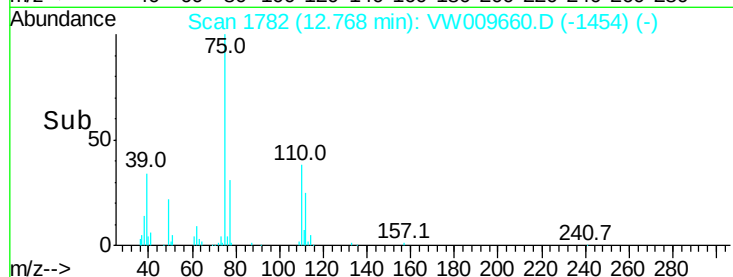
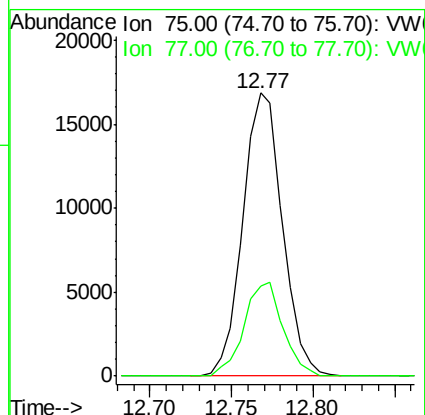
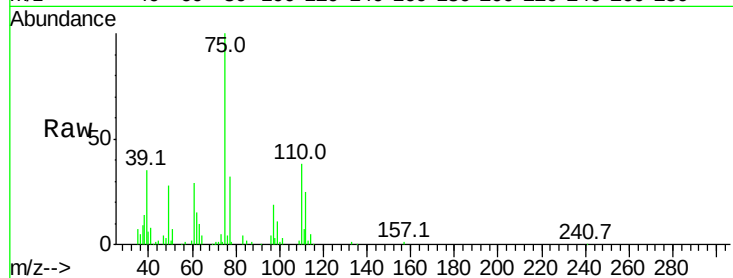
VSTD00511

Tgt Ion: 75 Resp: 28538

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2



#62

Bromoform

Concen: 5.343 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

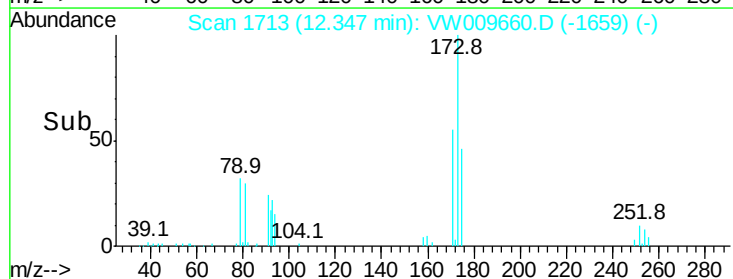
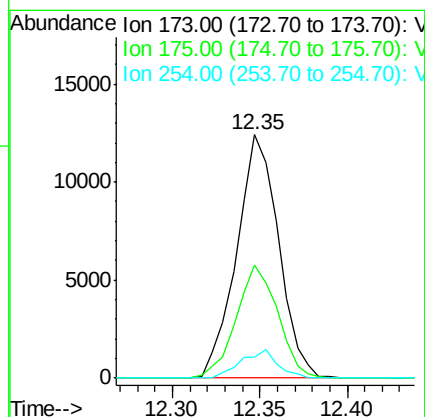
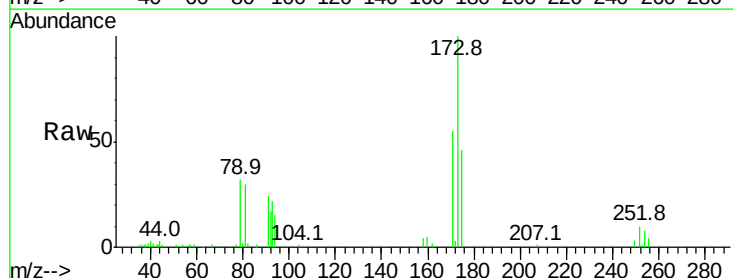
Tgt Ion: 173 Resp: 20737

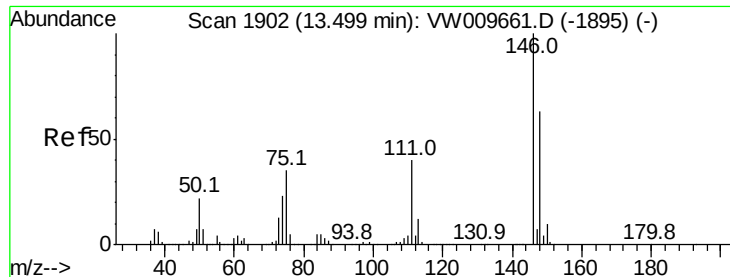
Ion Ratio Lower Upper

173 100

175 46.0 39.4 59.2

254 10.0 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 5.097 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

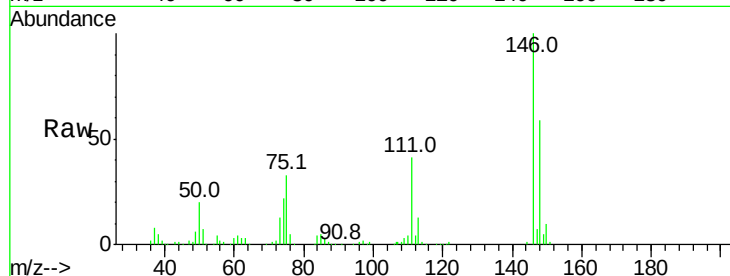
Tgt Ion:146 Resp: 69777

Ion Ratio Lower Upper

146 100

111 40.9 28.1 52.3

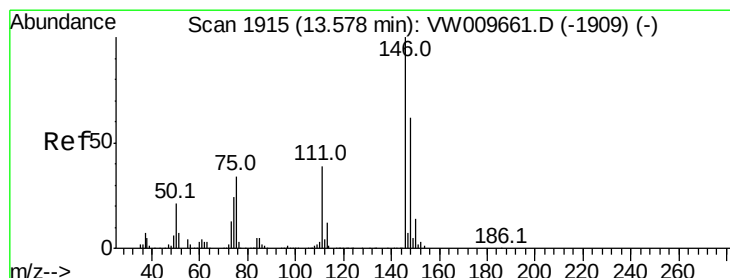
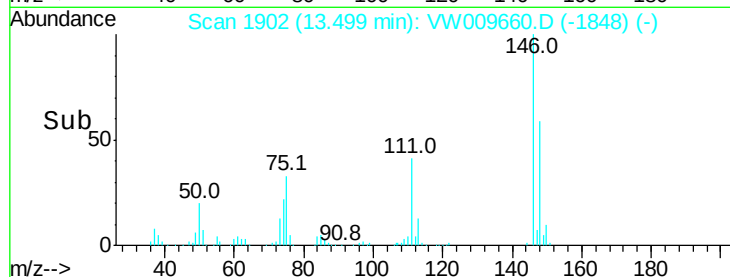
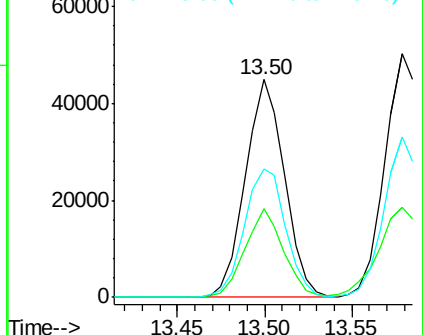
148 59.1 44.3 82.3



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



#64

1,4-Dichlorobenzene

Concen: 5.453 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

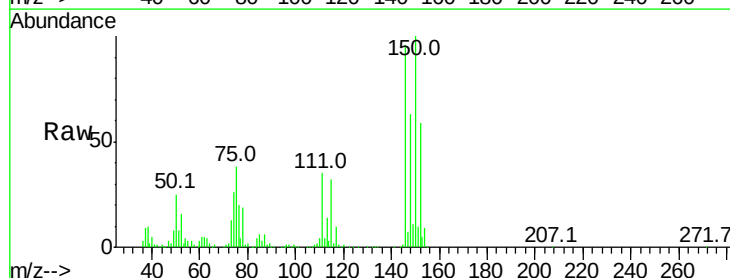
Tgt Ion:146 Resp: 77181

Ion Ratio Lower Upper

146 100

111 36.8 27.4 50.8

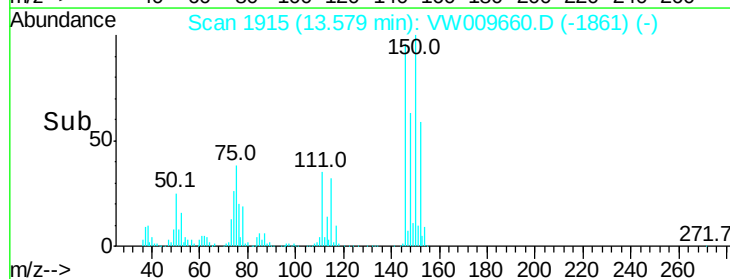
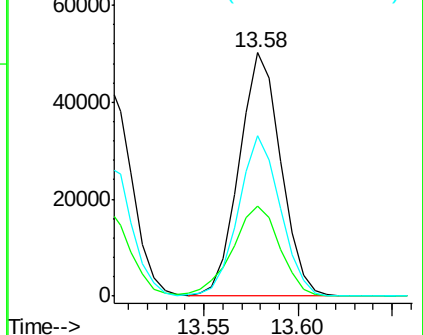
148 66.0 43.8 81.3

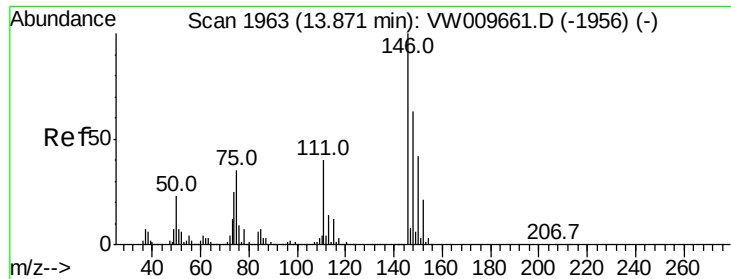


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

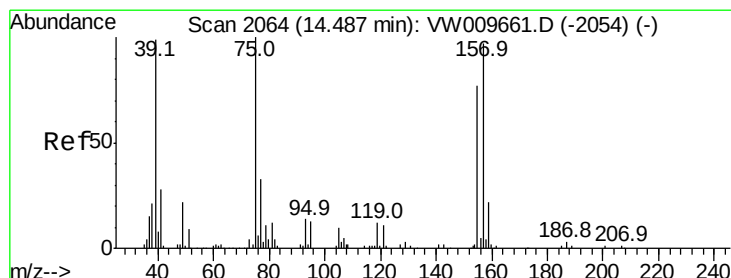
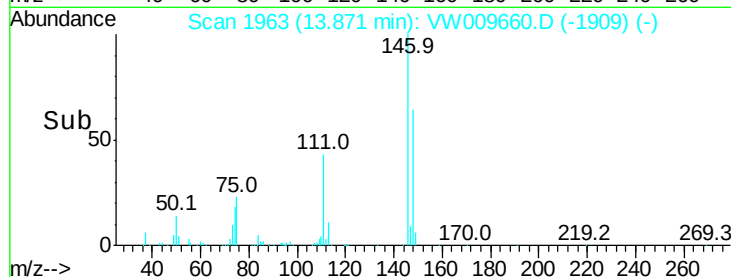
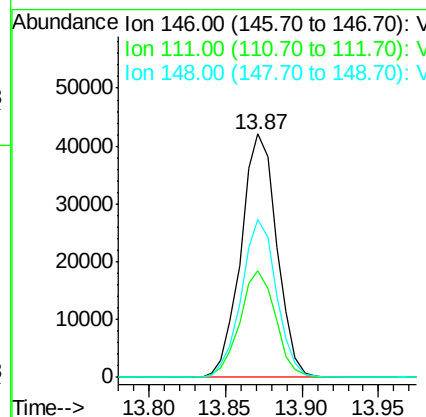
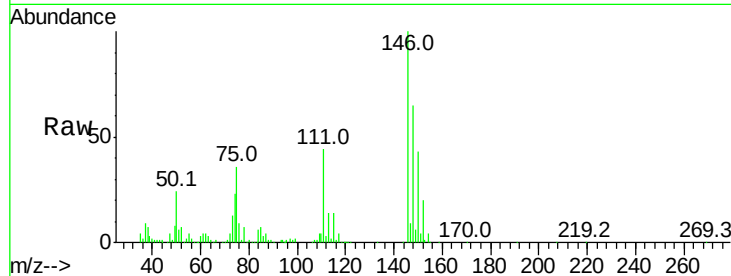




#65
 1,2-Dichlorobenzene
 Concen: 5.250 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

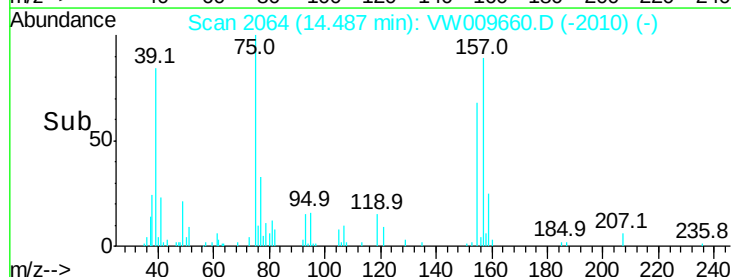
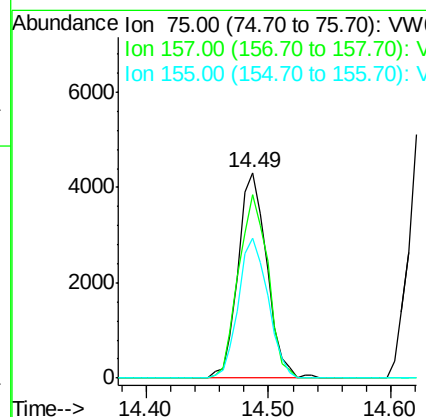
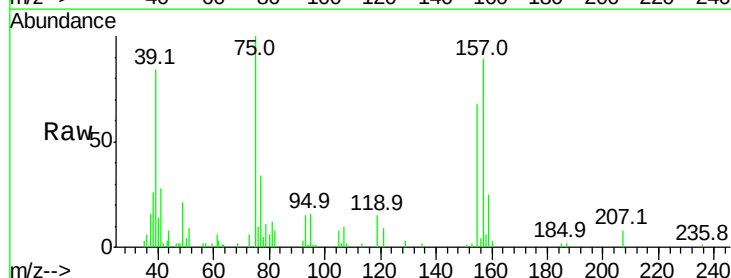
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00511

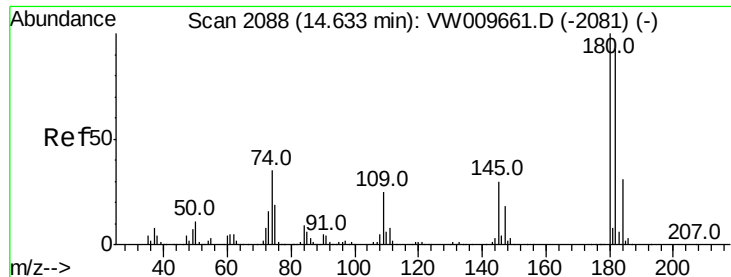
Tgt Ion: 146 Resp: 68541
 Ion Ratio Lower Upper
 146 100
 111 44.0 32.4 48.6
 148 64.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.441 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

Tgt Ion: 75 Resp: 6962
 Ion Ratio Lower Upper
 75 100
 157 89.3 77.2 115.8
 155 68.3 61.9 92.9

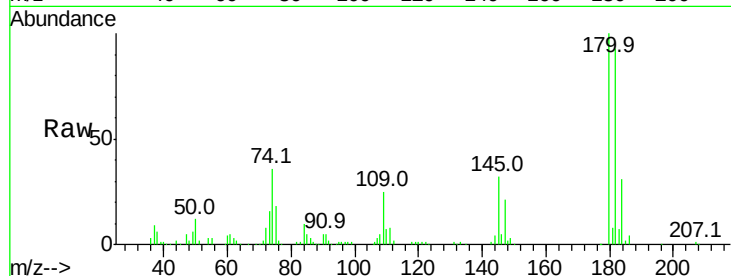




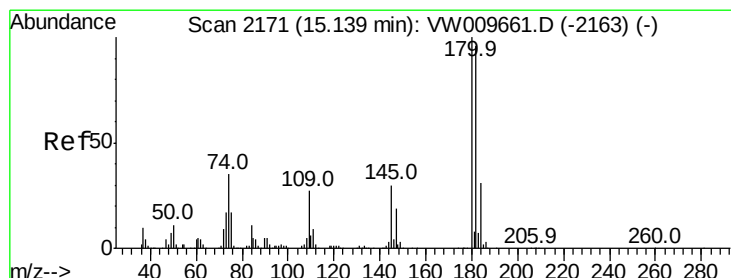
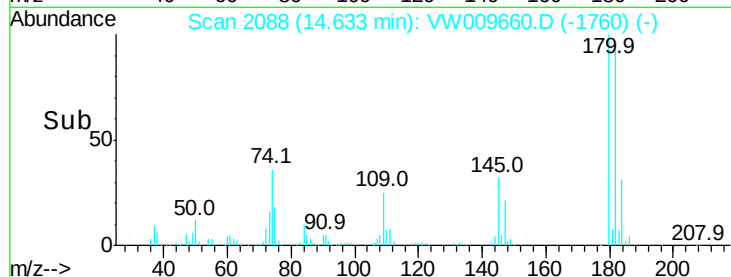
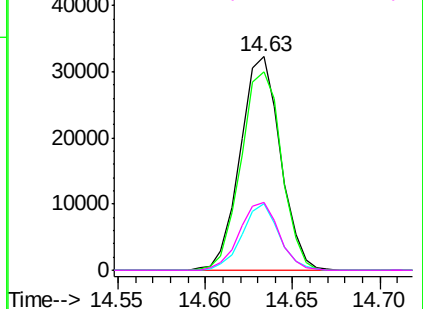
#67
 1,3,5-Trichlorobenzene
 Concen: 4.847 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00511

Tgt Ion:180 Resp: 51754
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.8 113.6
 184 28.9 24.7 37.1
 145 31.0 24.5 36.7

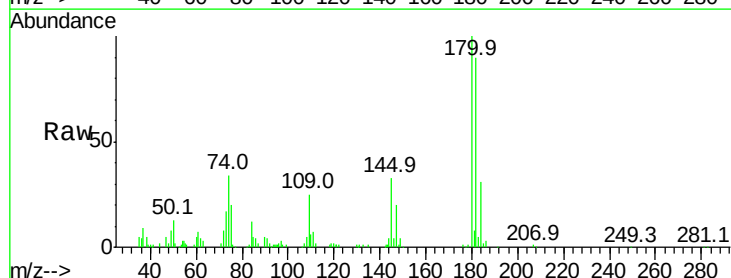


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

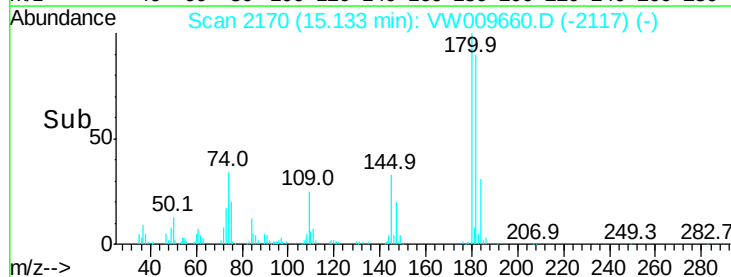
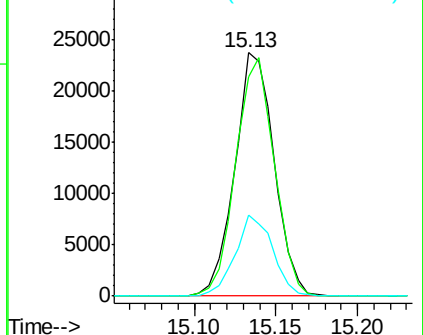


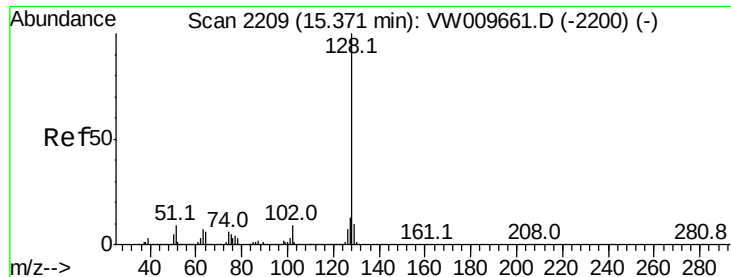
#68
 1,2,4-trichlorobenzene
 Concen: 4.456 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009660.D
 Acq: 03 Apr 2019 11:56

Tgt Ion:180 Resp: 39971
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.8 113.8
 145 31.4 24.3 36.5



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





#69

Naphthalene

Concen: 3.946 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD00511

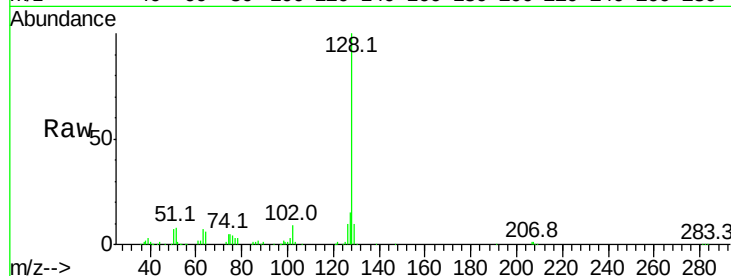
Tgt Ion:128 Resp: 73379

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

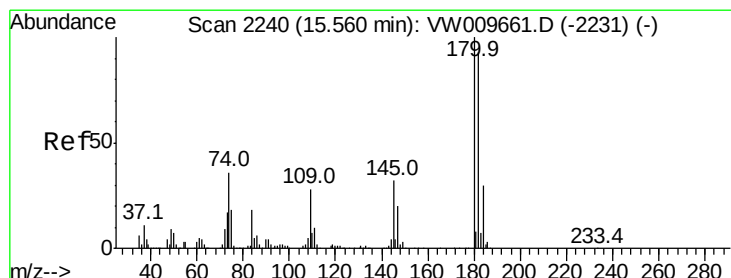
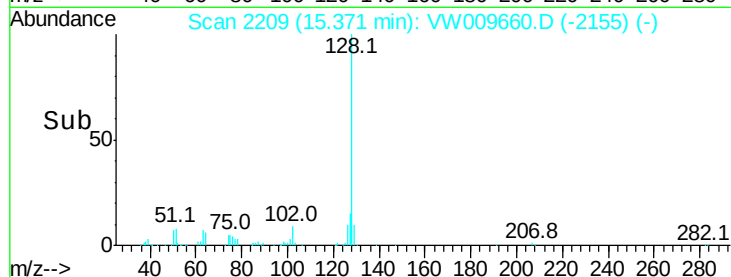
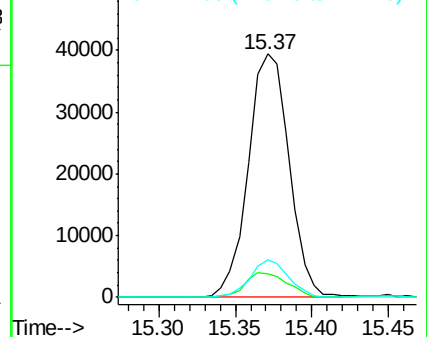
127 14.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.626 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009660.D

Acq: 03 Apr 2019 11:56

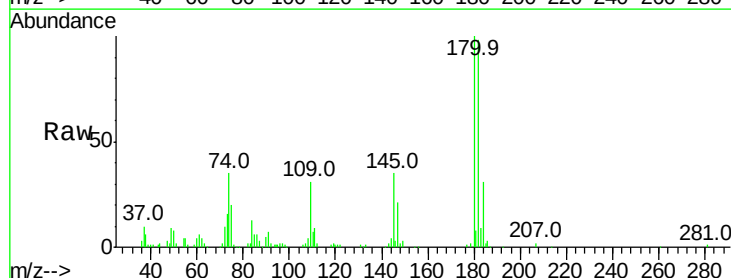
Tgt Ion:180 Resp: 38858

Ion Ratio Lower Upper

180 100

182 95.5 75.0 112.4

145 32.7 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

