

Data File : VW010176.D
Acq On : 29 Apr 2019 11:19
Operator : SY/VA
Sample : VSTD00527
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

Quant Time: Apr 29 12:57:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 29 12:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	688305	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	647610	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	317721	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	42099	6.40	ug/L	0.00
7) Chloroethane-d5	2.89	69	32644	6.00	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	92530	4.79	ug/L	0.00
20) 2-Butanone-d5	7.09	46	26693	8.59	ug/L	0.00
24) Chloroform-d	7.65	84	94444	5.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	53791	5.02	ug/L	0.00
29) Benzene-d6	8.27	84	181938	4.96	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	56598	4.95	ug/L	0.00
37) Toluene-d8	10.32	98	165463	4.97	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	25442	4.83	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	19214	8.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	47537	5.01	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	62271	5.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	46014	4.969 ug/L	94
3) Chloromethane	2.21	50	39550	5.458 ug/L	99
5) Vinyl chloride	2.37	62	52374	6.397 ug/L	96
6) Bromomethane	2.77	94	29099	5.828 ug/L	98
8) Chloroethane	2.92	64	31413	6.344 ug/L	98
9) Trichlorofluoromethane	3.25	101	26541	5.954 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	45196	5.223 ug/L	# 63
12) 1,1-Dichloroethene	4.04	96	44250	4.961 ug/L	88
13) Acetone	4.12	43	24536	10.464 ug/L	98
14) Carbon disulfide	4.37	76	121745	4.709 ug/L	97
15) Methyl Acetate	4.67	43	26263	4.734 ug/L	99
16) Methylene chloride	4.90	84	32021	3.319 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	55909	4.749 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	47558	5.020 ug/L	95
19) 1,1-Dichloroethane	6.21	63	87532	4.882 ug/L	96
21) 2-Butanone	7.17	43	31715	8.723 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	49756	4.905 ug/L	98
23) Bromochloromethane	7.51	128	23074	5.179 ug/L	96
25) Chloroform	7.67	83	90909	5.136 ug/L	100
27) 1,2-Dichloroethane	8.40	62	64090	4.913 ug/L	100
30) Cyclohexane	7.95	56	73779	4.389 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	73475	5.275 ug/L	98
32) Carbon tetrachloride	8.06	117	70512	5.114 ug/L	98
34) Benzene	8.32	78	192762	4.893 ug/L	100
35) Trichloroethene	9.09	95	52385	5.042 ug/L	99
36) Methylcyclohexane	9.34	83	82023	4.711 ug/L	96
40) 1,2-Dichloropropane	9.37	63	49258	4.846 ug/L	99
41) Bromodichloromethane	9.64	83	64779	4.931 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	73655	4.659 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	64997	8.299 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Mon Apr 29 12:50:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	205742	4.934	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	64697	4.742	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	37279	5.055	ug/L	97
47) Tetrachloroethene	10.86	164	41399	5.222	ug/L	98
49) 2-Hexanone	10.97	43	43823	7.916	ug/L	94
50) Dibromochloromethane	11.13	129	44335	5.017	ug/L	97
51) 1,2-Dibromoethane	11.24	107	36474	4.977	ug/L	95
52) Chlorobenzene	11.66	112	136247	5.164	ug/L	98
53) Ethylbenzene	11.73	91	227221	4.855	ug/L	97
54) m,p-Xylene	11.84	106	85986	4.967	ug/L	95
55) o-xylene	12.16	106	81255	4.950	ug/L	94
56) Styrene	12.18	104	139329	4.990	ug/L	98
57) Isopropylbenzene	12.46	105	221039	4.949	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	46372	4.964	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	35213	4.981	ug/L	98
62) Bromoform	12.35	173	26499	5.020	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	100747	4.984	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	109042	5.198	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	97662	5.223	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	7468	4.297	ug/L	86
67) 1,3,5-Trichlorobenzene	14.63	180	78084	5.267	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	61153	5.070	ug/L	100
69) Naphthalene	15.37	128	113127	3.798	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	57002	5.048	ug/L	99

(#) = 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 :
VSTD00527

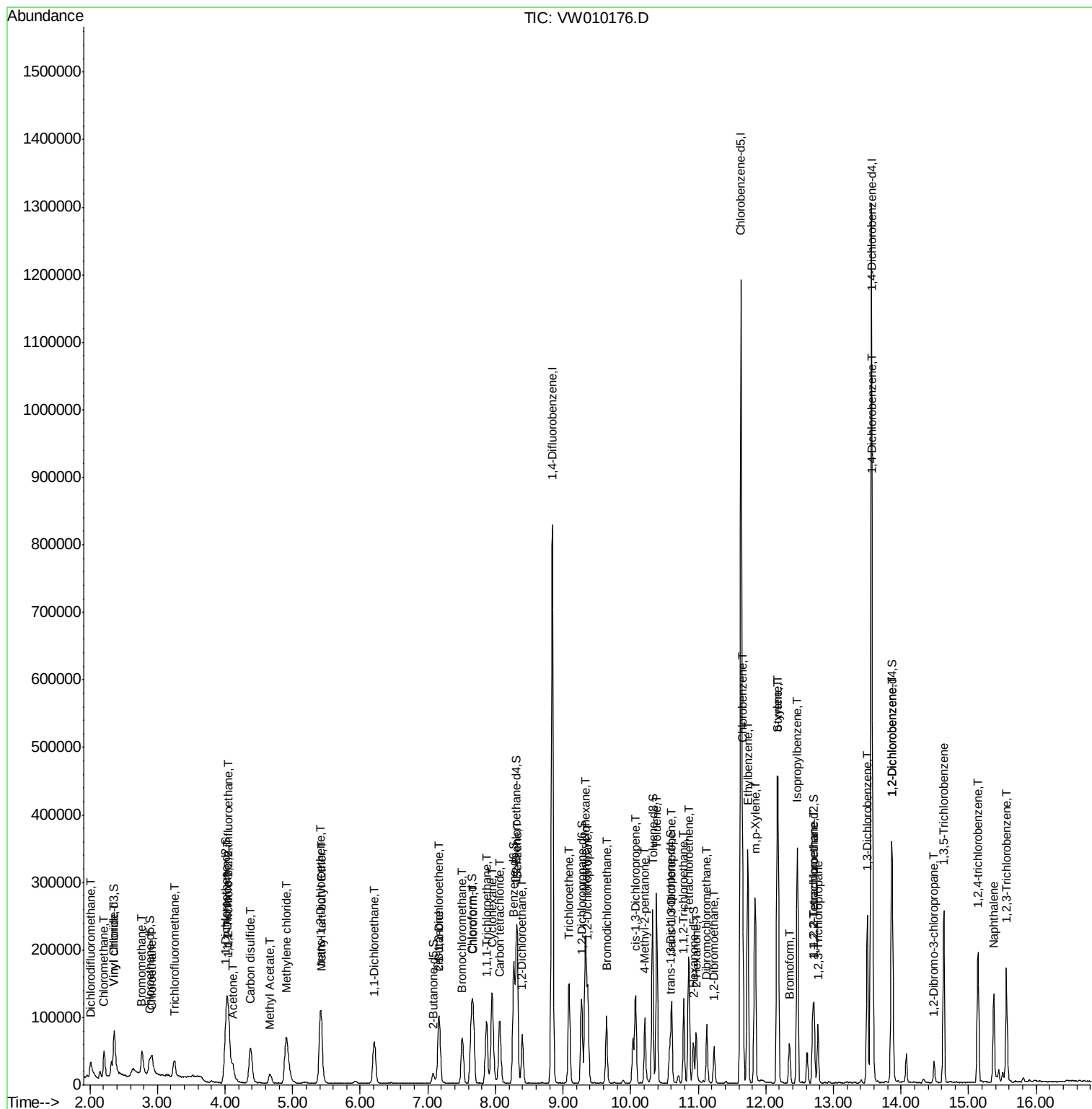
Quant Time: Apr 29 12:57:00 2019

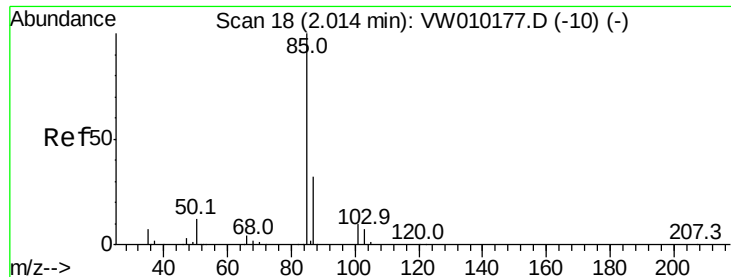
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\S0M2WLM042919S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 29 12:50:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.969 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

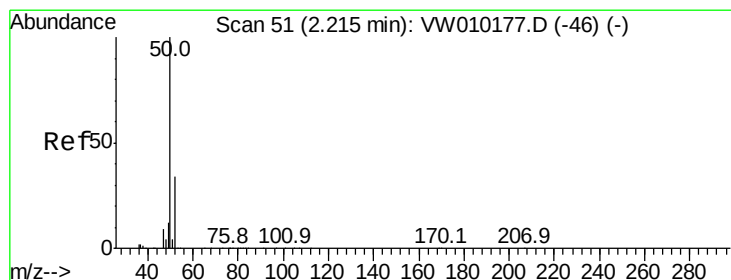
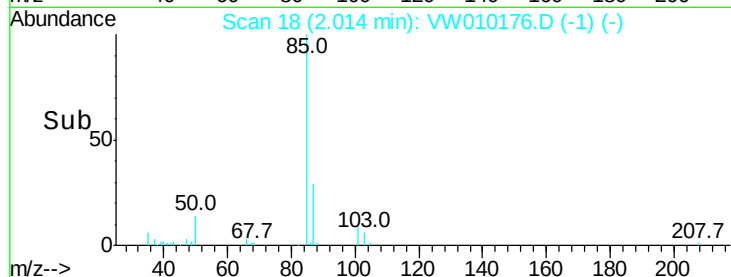
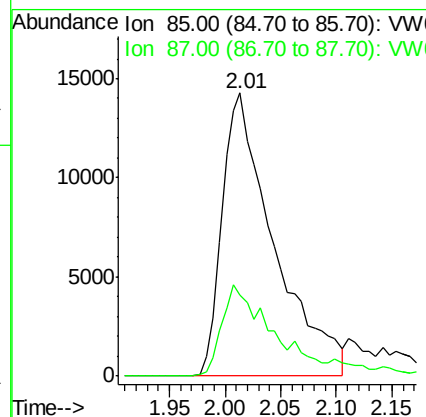
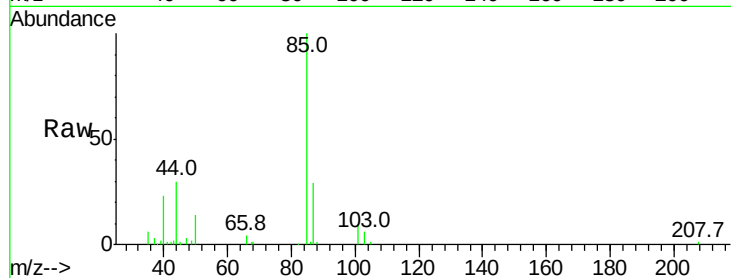
VSTD00527

Tgt Ion: 85 Resp: 46014

Ion Ratio Lower Upper

85 100

87 26.4 20.6 38.2



#3

Chloromethane

Concen: 5.458 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW010176.D

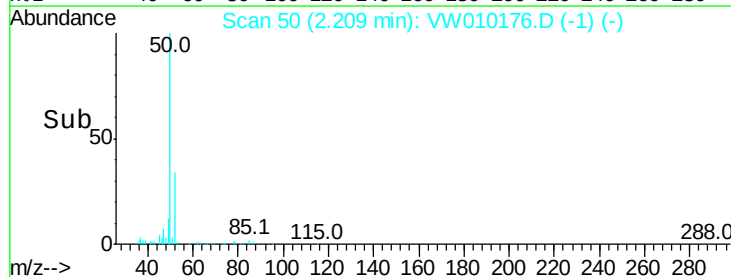
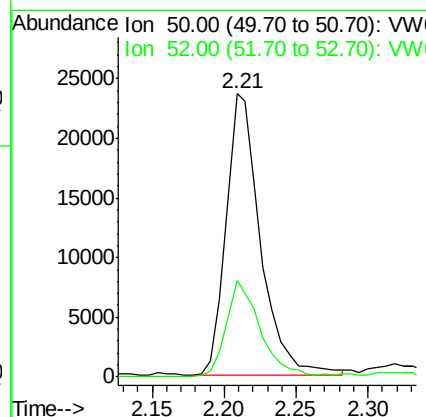
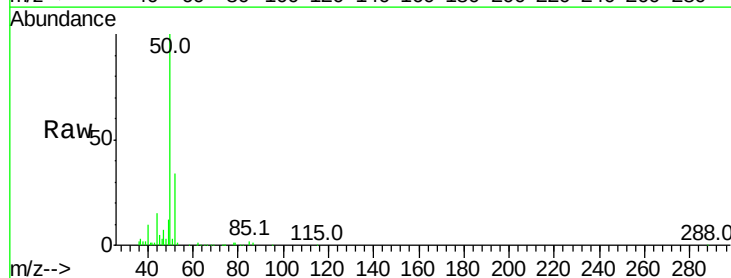
Acq: 29 Apr 2019 11:19

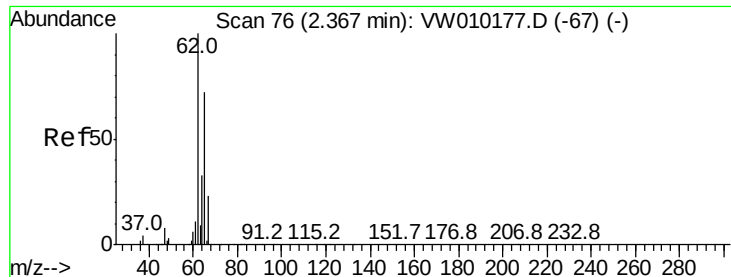
Tgt Ion: 50 Resp: 39550

Ion Ratio Lower Upper

50 100

52 34.0 23.6 43.8





#5

Vinyl chloride

Concen: 6.397 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

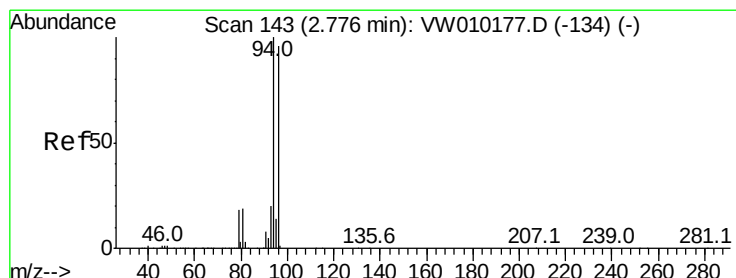
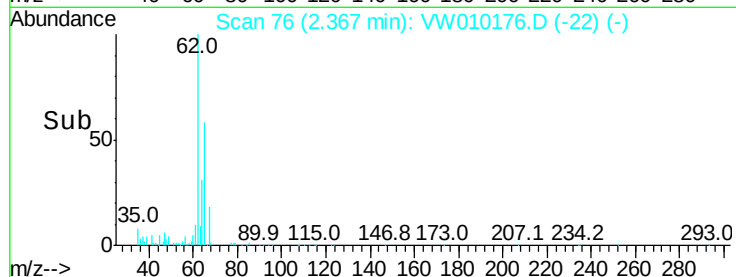
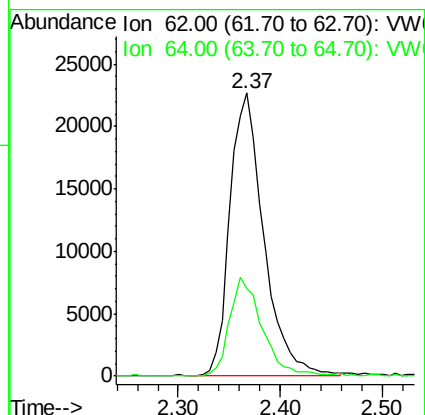
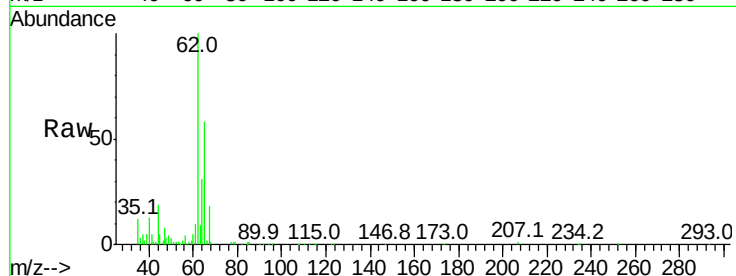
VSTD00527

Tgt Ion: 62 Resp: 52374

Ion Ratio Lower Upper

62 100

64 30.8 23.3 43.3



#6

Bromomethane

Concen: 5.828 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010176.D

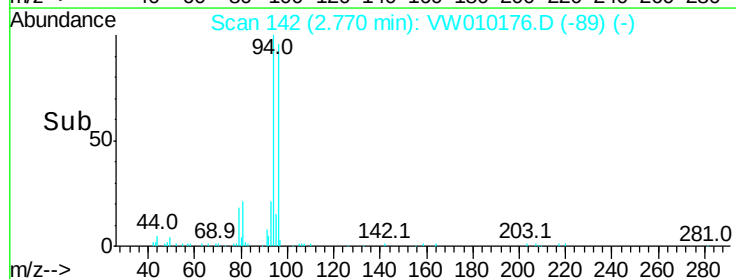
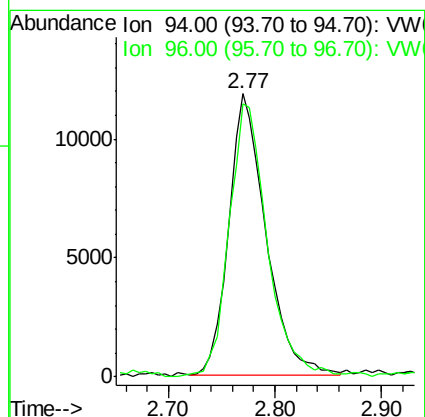
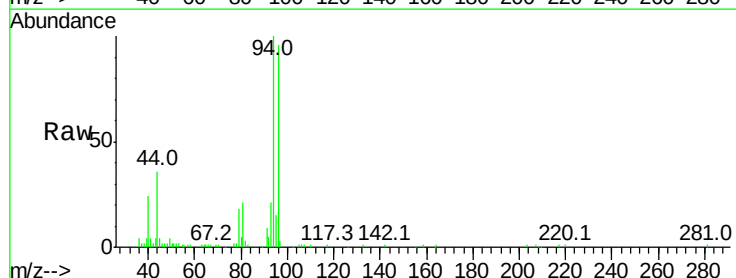
Acq: 29 Apr 2019 11:19

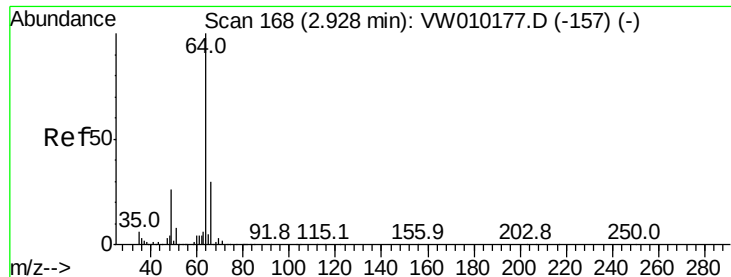
Tgt Ion: 94 Resp: 29099

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.3





#8

Chloroethane

Concen: 6.344 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

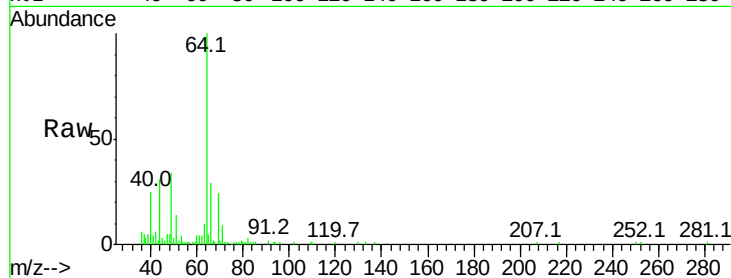
VSTD00527

Tgt Ion: 64 Resp: 31413

Ion Ratio Lower Upper

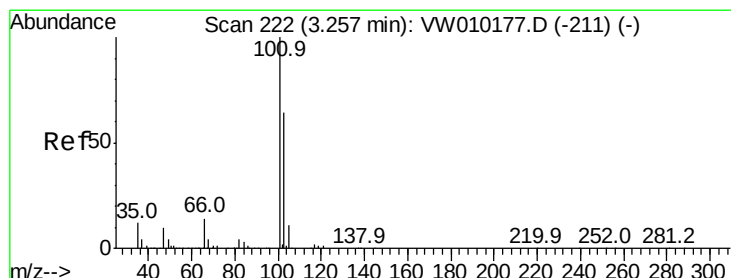
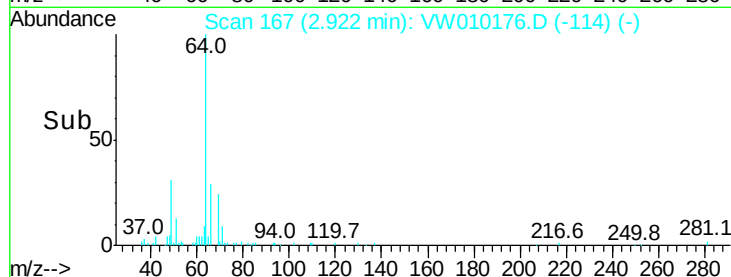
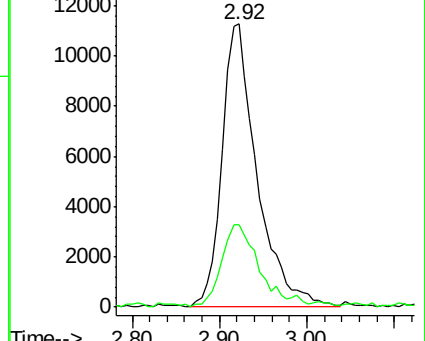
64 100

66 29.1 21.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 5.954 ug/L

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW010176.D

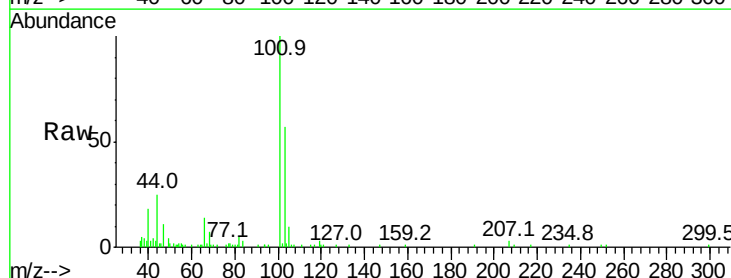
Acq: 29 Apr 2019 11:19

Tgt Ion: 101 Resp: 26541

Ion Ratio Lower Upper

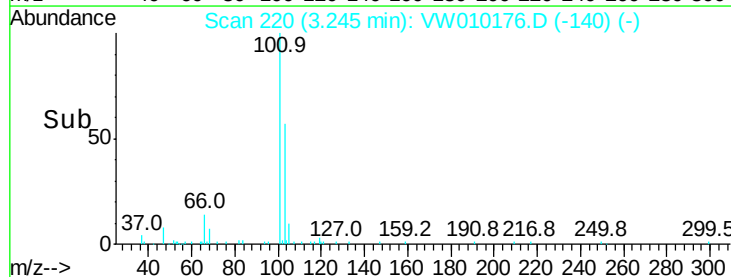
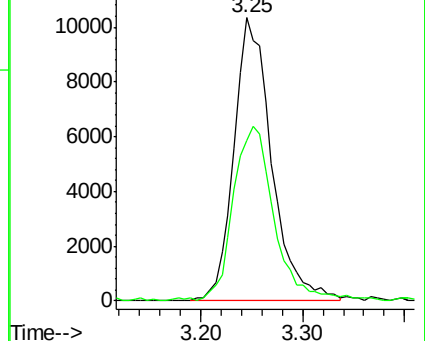
101 100

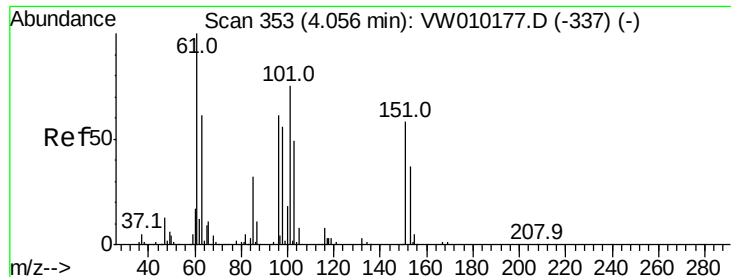
103 66.0 45.5 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 5.223 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

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ClientSampleId :

VSTD00527

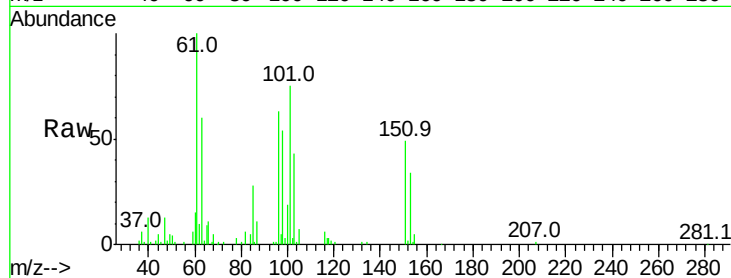
Tgt Ion: 101 Resp: 45196

Ion Ratio Lower Upper

101 100

85 38.2 33.8 50.6

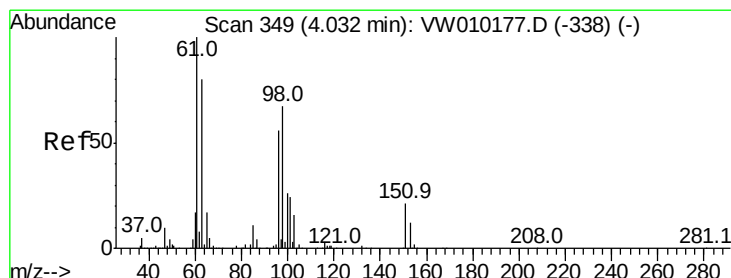
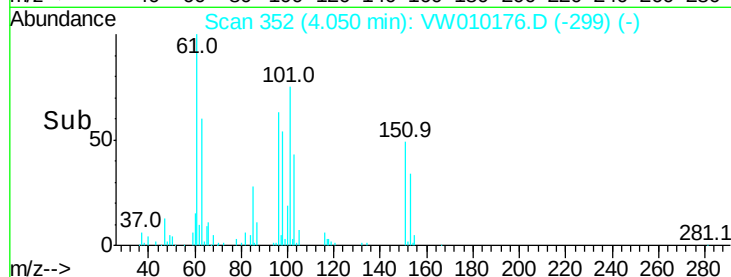
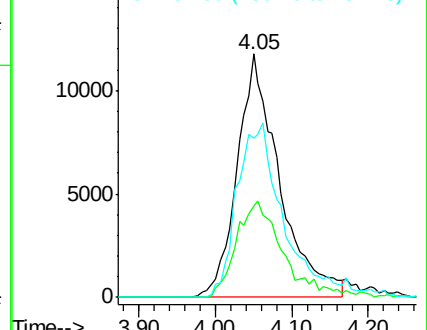
151 31.2 62.6 93.8#



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: 4.961 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

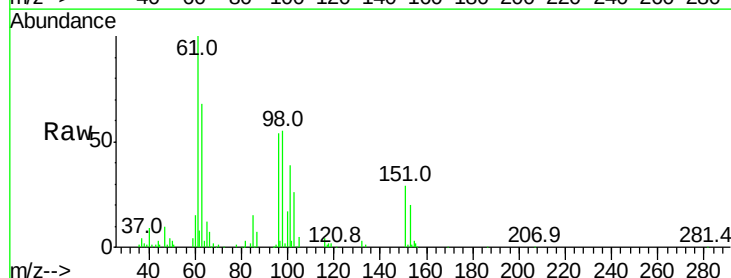
Tgt Ion: 96 Resp: 44250

Ion Ratio Lower Upper

96 100

61 184.0 125.2 232.6

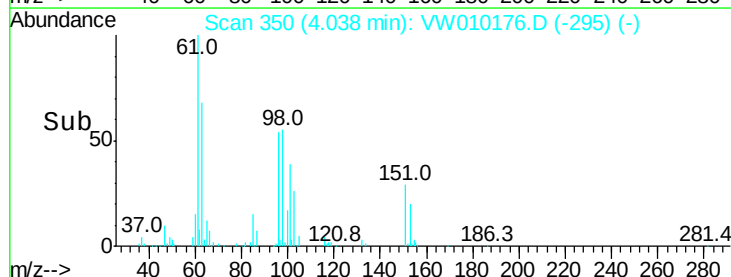
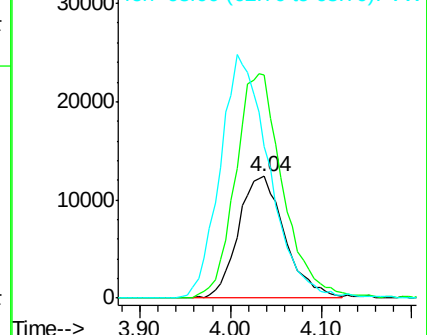
63 125.0 106.3 197.3

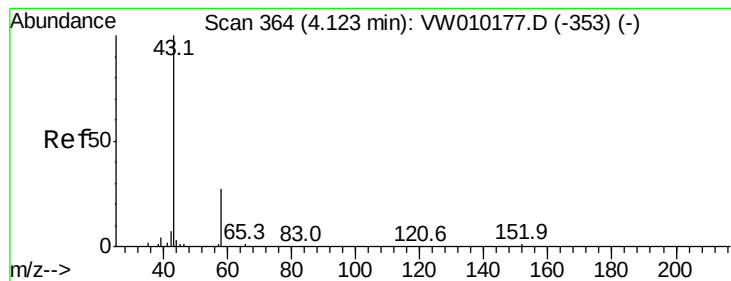


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 10.464 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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ClientSampleId :

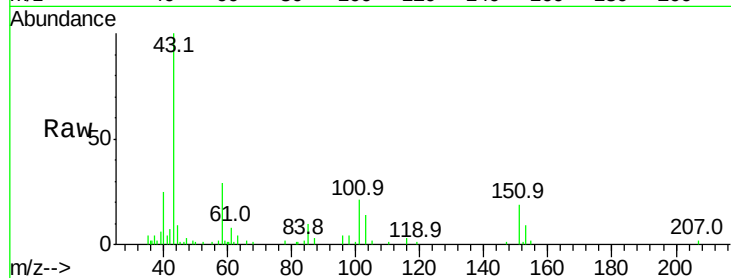
VSTD00527

Tgt Ion: 43 Resp: 24536

Ion Ratio Lower Upper

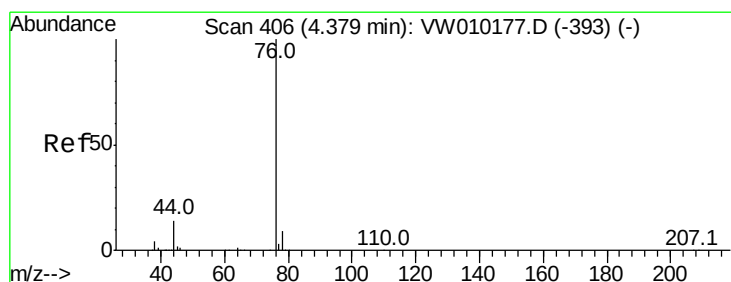
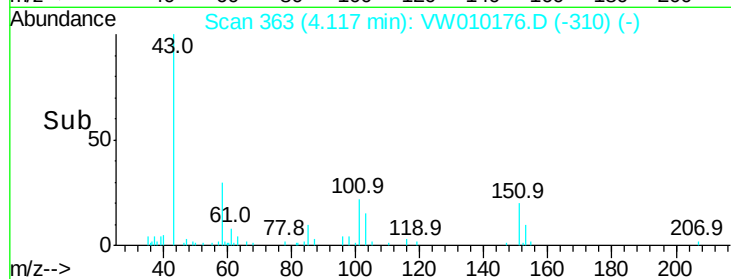
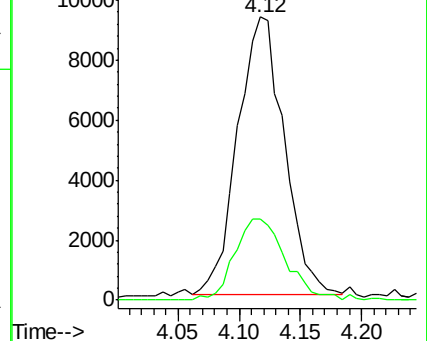
43 100

58 31.0 0.0 59.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.709 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010176.D

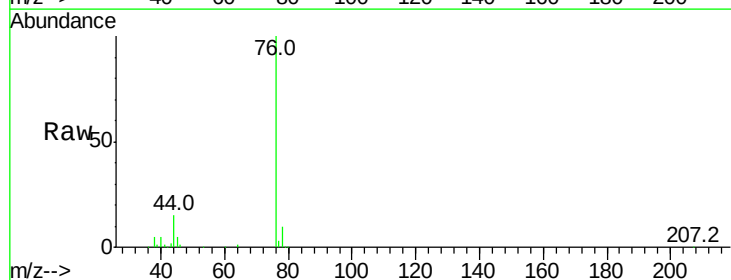
Acq: 29 Apr 2019 11:19

Tgt Ion: 76 Resp: 121745

Ion Ratio Lower Upper

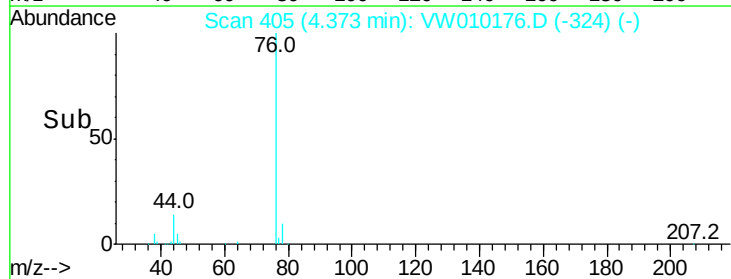
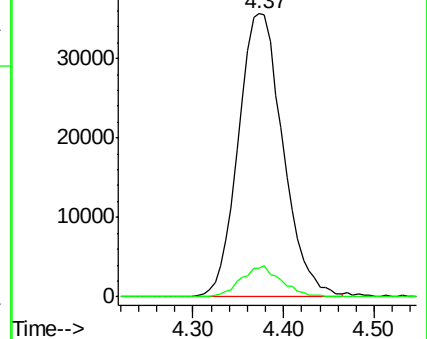
76 100

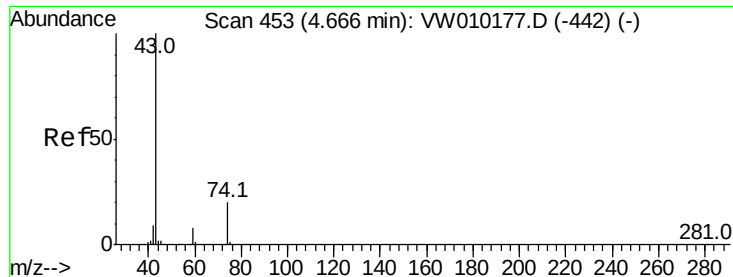
78 10.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

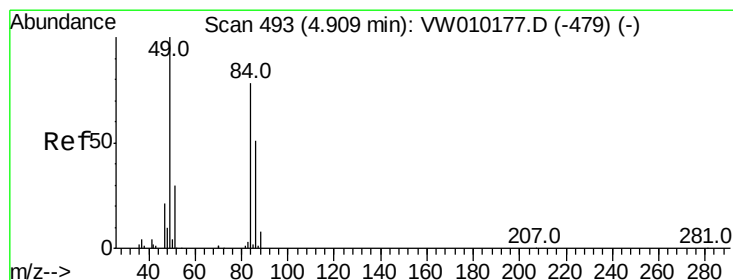
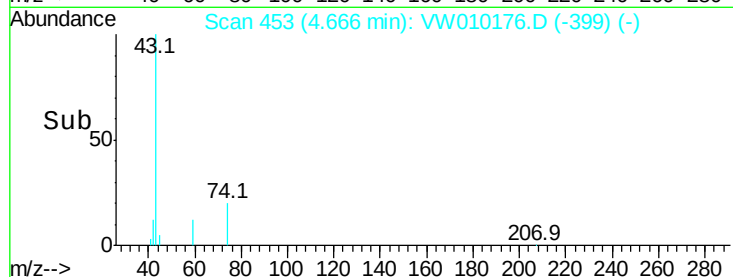
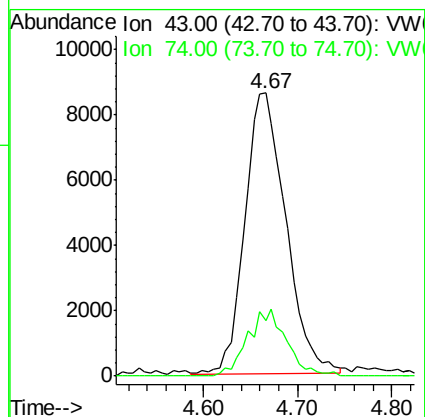
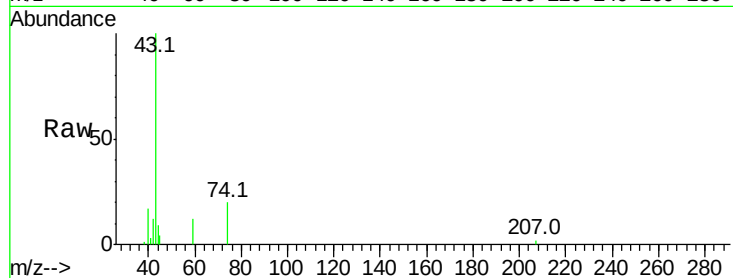




#15
Methyl Acetate
Concen: 4.734 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

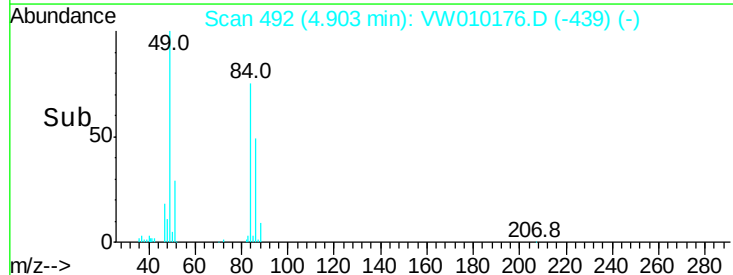
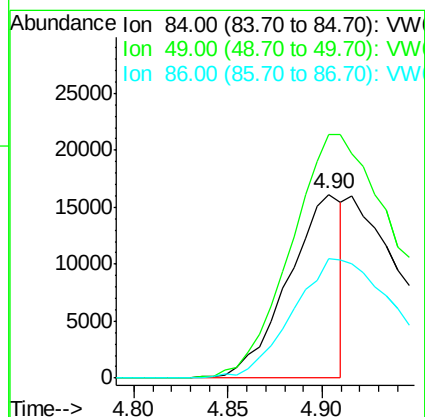
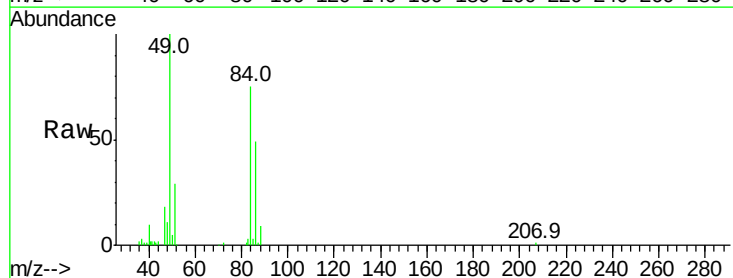
Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

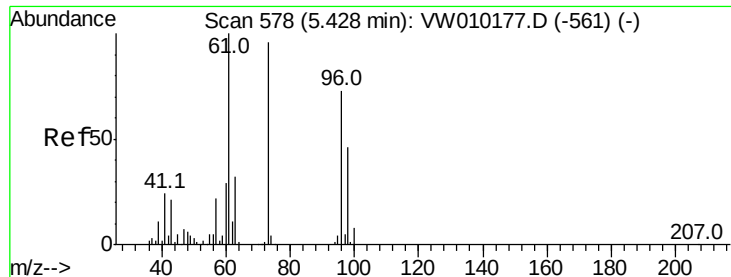
Tgt Ion: 43 Resp: 26263
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#16
Methylene chloride
Concen: 3.319 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Tgt Ion: 84 Resp: 32021
Ion Ratio Lower Upper
84 100
49 132.5 90.2 167.6
86 64.8 46.3 86.1

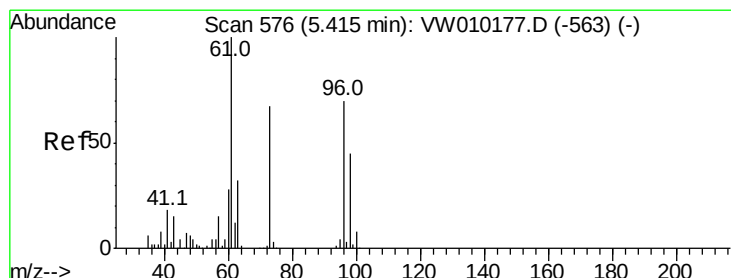
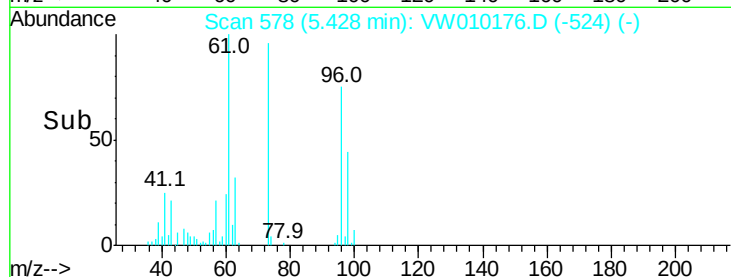
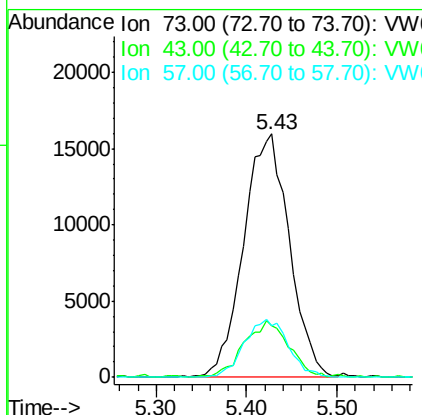
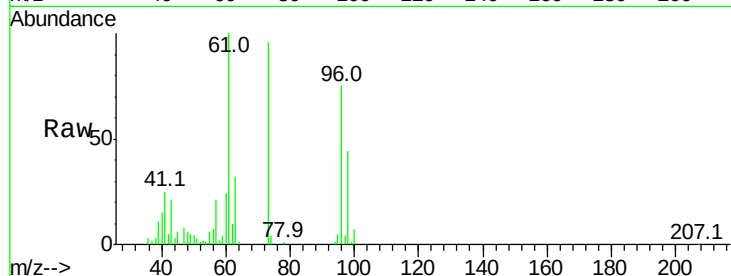




#17
Methyl tert-butyl Ether
Concen: 4.749 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

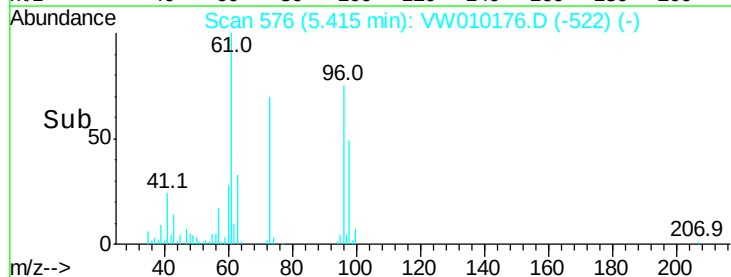
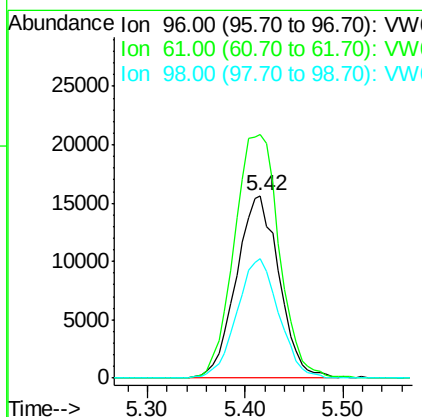
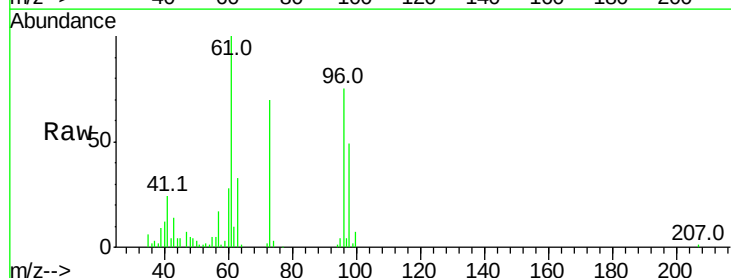
Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

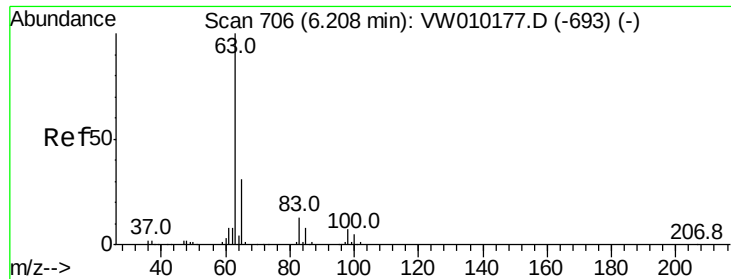
Tgt Ion: 73 Resp: 55909
Ion Ratio Lower Upper
73 100
43 22.7 17.5 26.3
57 21.4 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 5.020 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Tgt Ion: 96 Resp: 47558
Ion Ratio Lower Upper
96 100
61 133.4 99.4 184.6
98 65.7 44.8 83.2

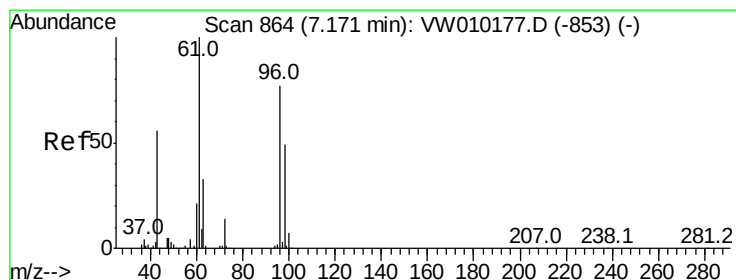
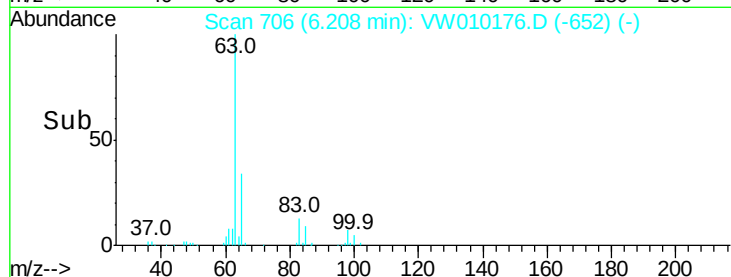
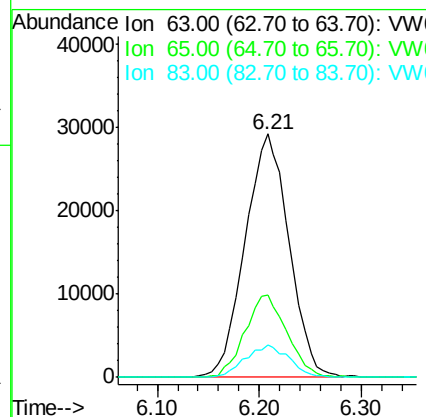
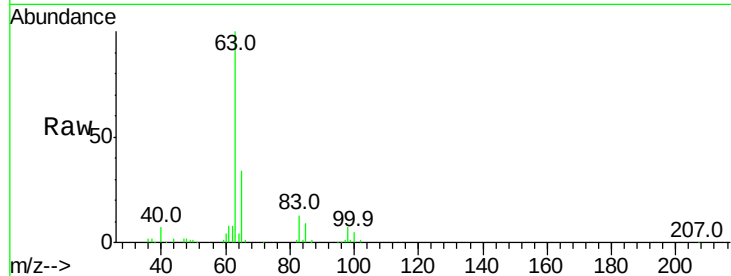




#19
 1,1-Dichloroethane
 Concen: 4.882 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

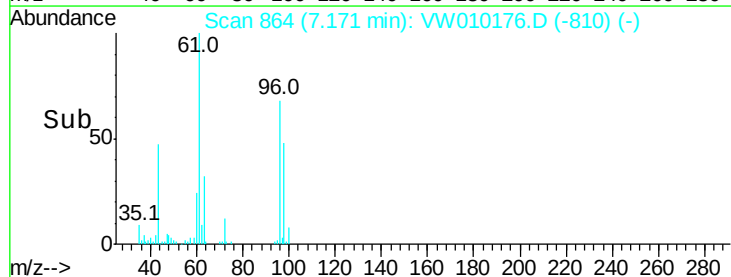
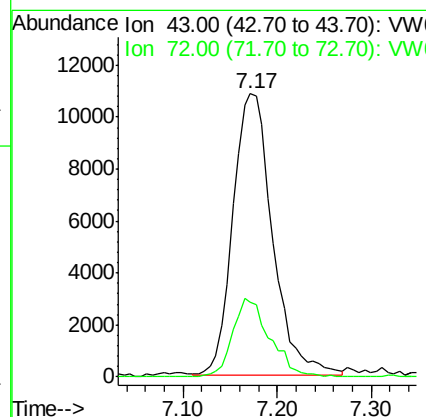
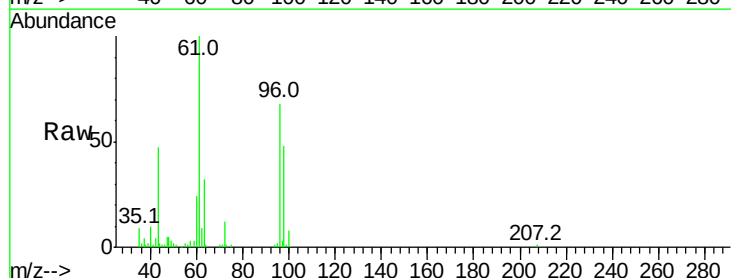
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00527

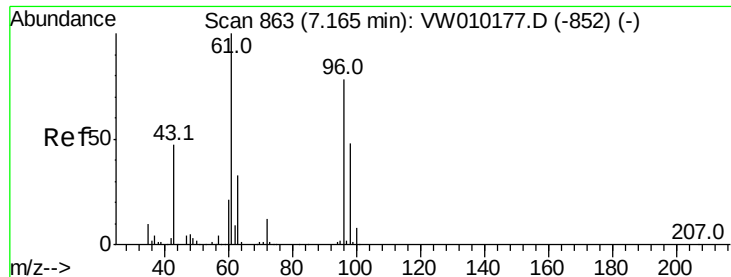
Tgt Ion: 63 Resp: 87532
 Ion Ratio Lower Upper
 63 100
 65 34.0 22.0 40.8
 83 13.3 8.8 16.4



#21
 2-Butanone
 Concen: 8.723 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Tgt Ion: 43 Resp: 31715
 Ion Ratio Lower Upper
 43 100
 72 26.0 12.8 38.3





#22

cis-1,2-Dichloroethene

Concen: 4.905 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00527

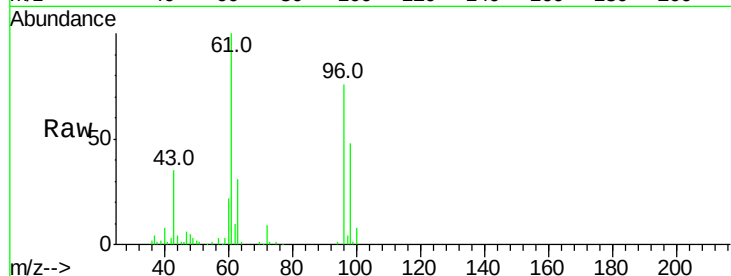
Tgt Ion: 96 Resp: 49756

Ion Ratio Lower Upper

96 100

61 131.0 90.0 167.2

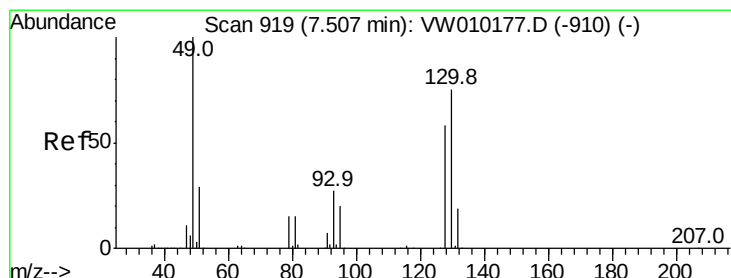
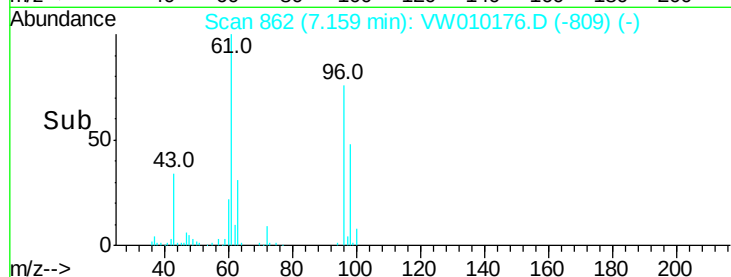
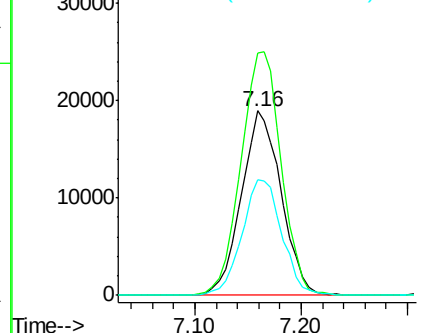
98 62.4 42.8 79.6



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 5.179 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Tgt Ion: 128 Resp: 23074

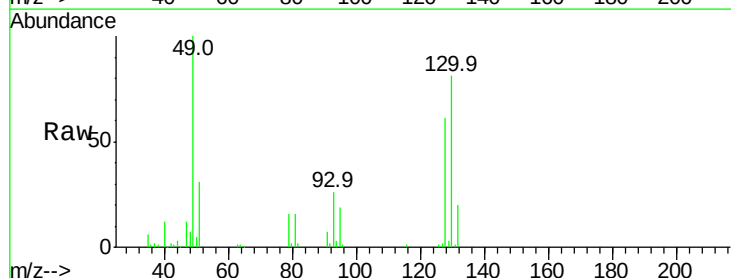
Ion Ratio Lower Upper

128 100

49 163.3 121.7 225.9

130 132.3 91.1 169.1

51 50.5 40.7 61.1

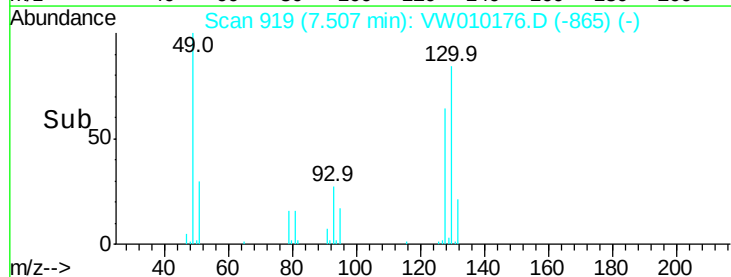
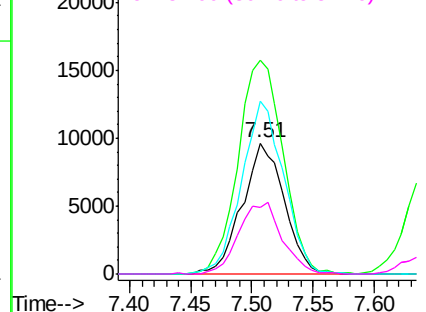


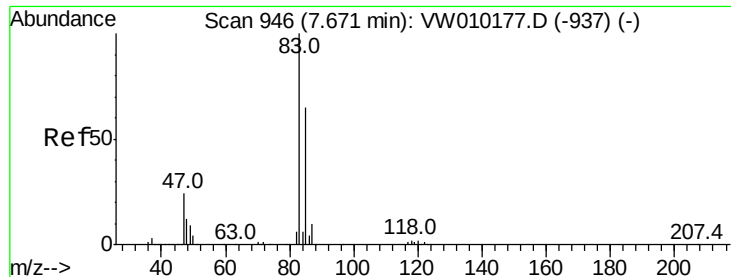
Abundance Ion 128.00 (127.70 to 128.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): VW

Ion 51.00 (50.70 to 51.70): VW

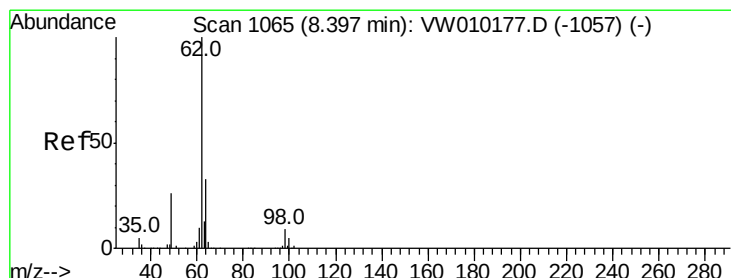
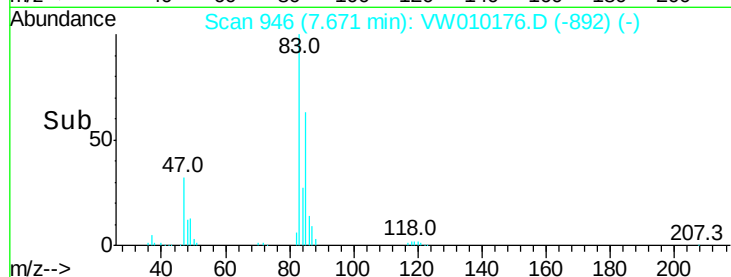
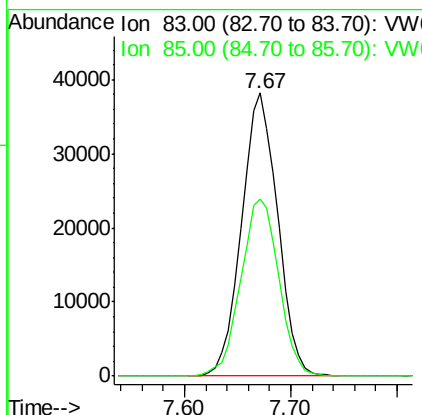
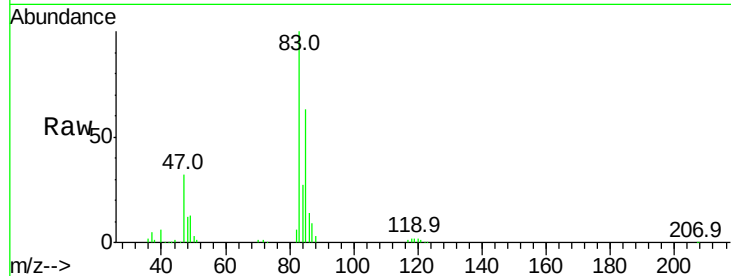




#25
Chloroform
Concen: 5.136 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

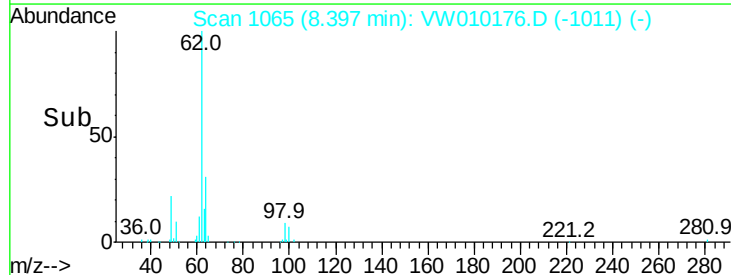
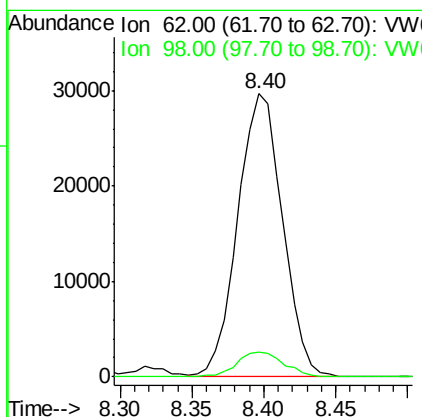
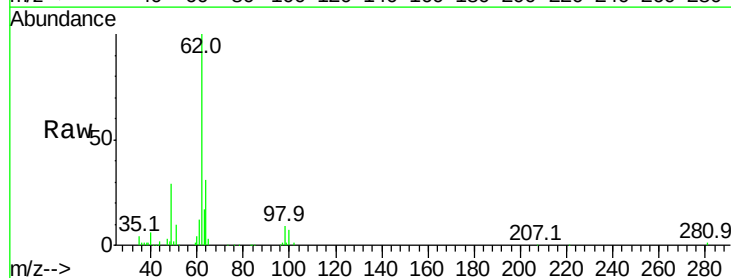
Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

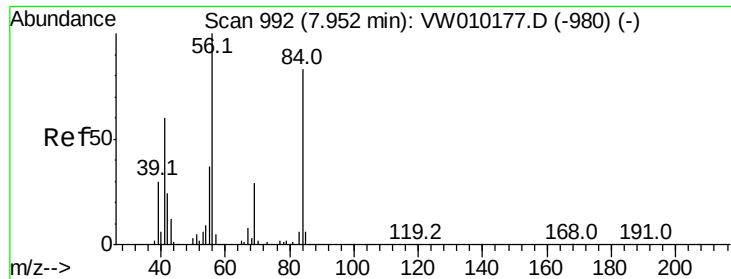
Tgt Ion: 83 Resp: 90909
Ion Ratio Lower Upper
83 100
85 65.9 46.3 85.9



#27
1,2-Dichloroethane
Concen: 4.913 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Tgt Ion: 62 Resp: 64090
Ion Ratio Lower Upper
62 100
98 9.0 7.0 10.6

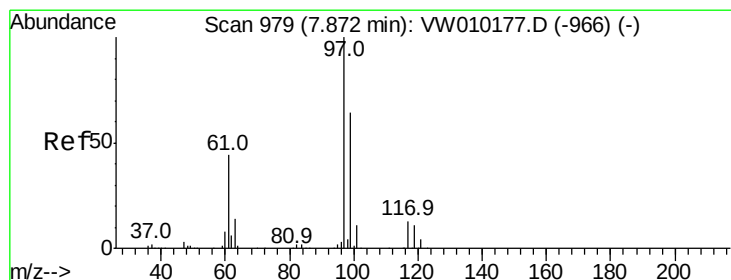
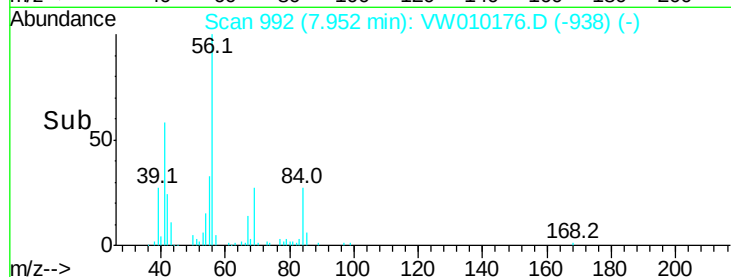
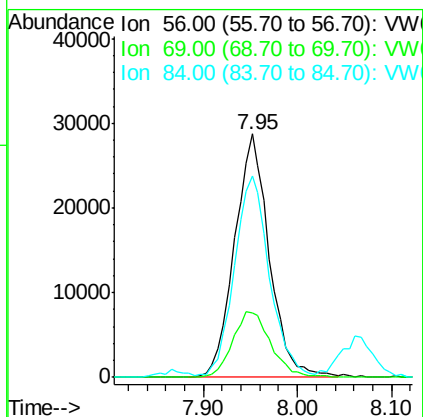
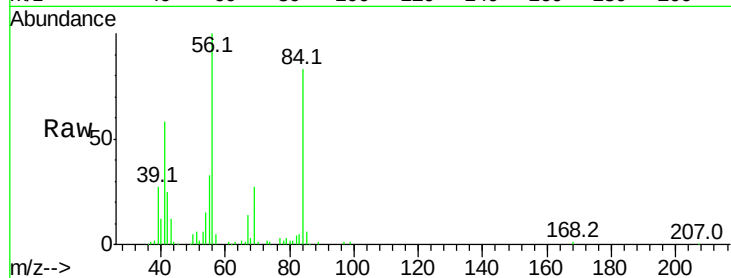




#30
Cyclohexane
Concen: 4.389 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

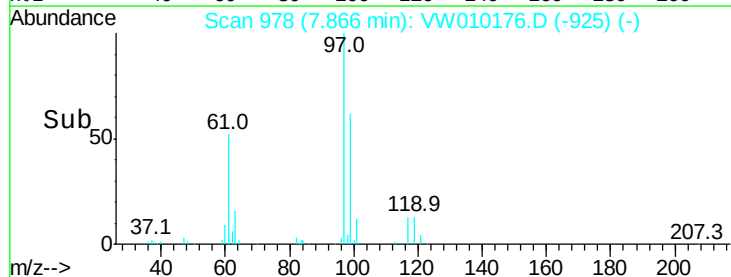
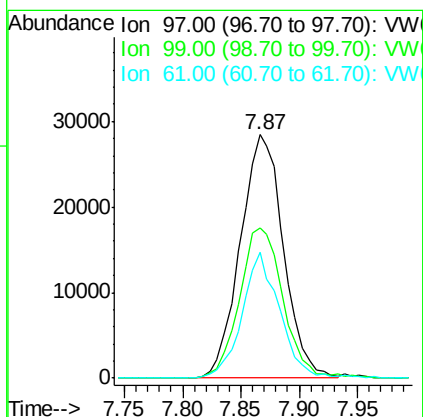
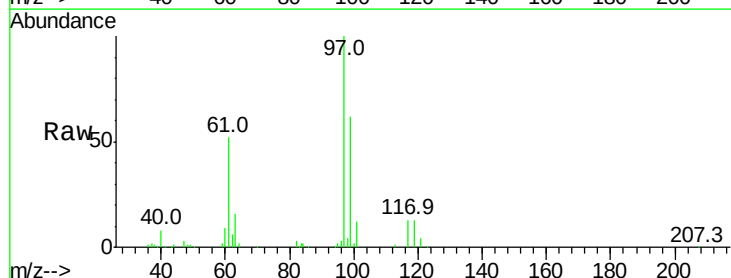
Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

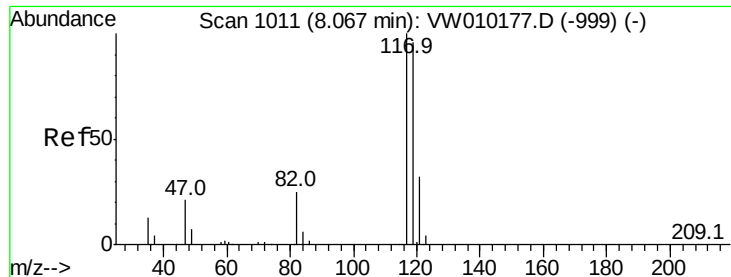
Tgt Ion: 56 Resp: 73779
Ion Ratio Lower Upper
56 100
69 29.8 23.4 35.2
84 84.0 67.0 100.6



#31
1,1,1-Trichloroethane
Concen: 5.275 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Tgt Ion: 97 Resp: 73475
Ion Ratio Lower Upper
97 100
99 61.7 51.0 76.4
61 44.6 36.2 54.4





#32

Carbon tetrachloride

Concen: 5.114 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

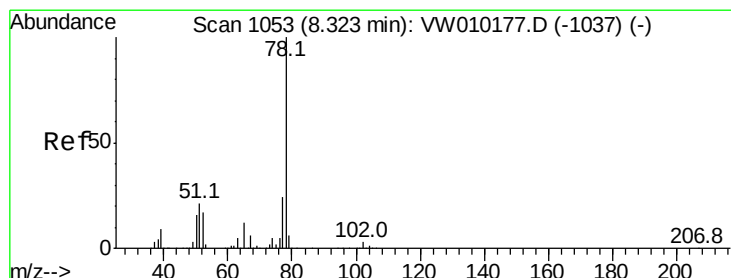
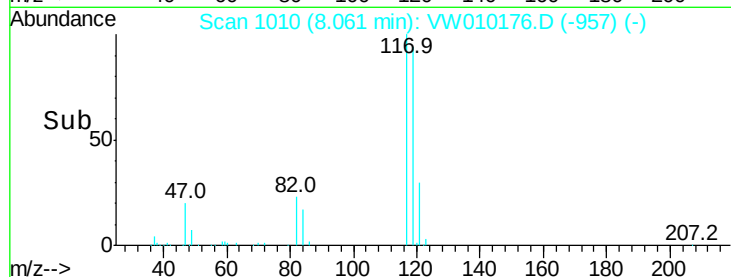
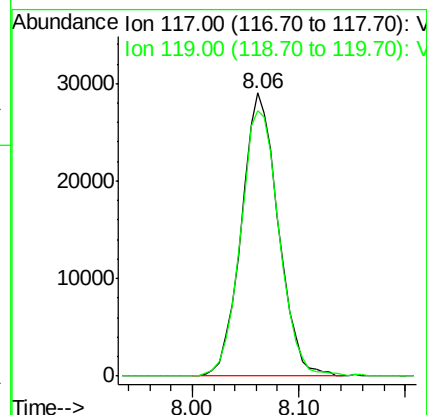
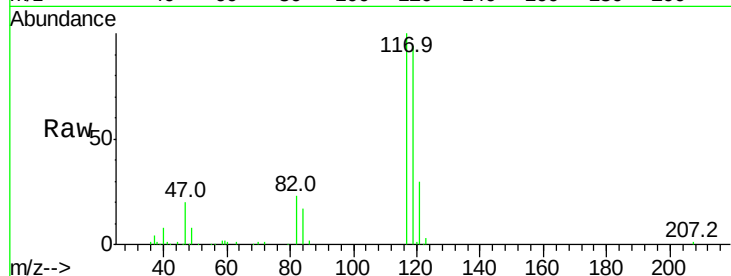
VSTD00527

Tgt Ion:117 Resp: 70512

Ion Ratio Lower Upper

117 100

119 98.1 77.1 115.7



#34

Benzene

Concen: 4.893 ug/L

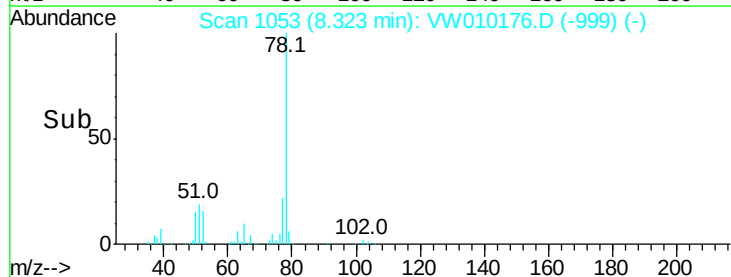
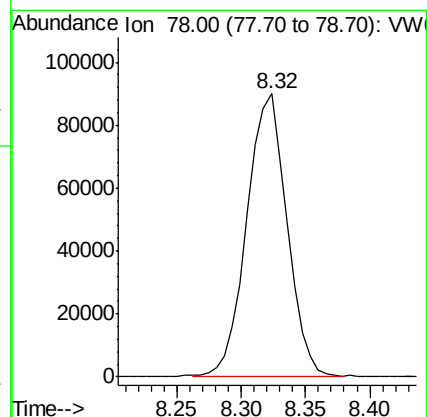
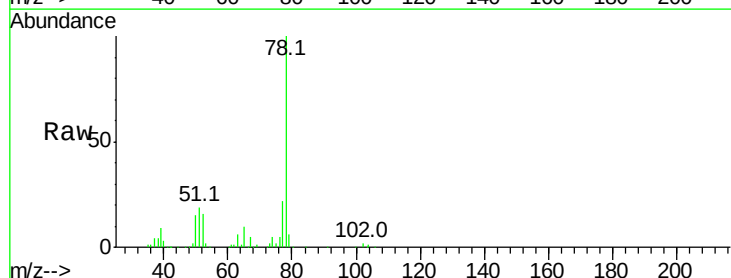
RT: 8.32 min Scan# 1053

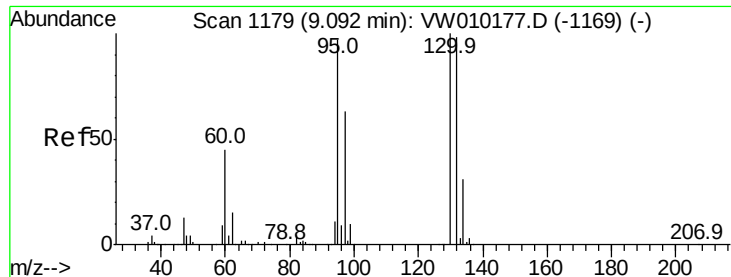
Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Tgt Ion: 78 Resp: 192762





#35

Trichloroethene

Concen: 5.042 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00527

Tgt Ion: 95 Resp: 52385

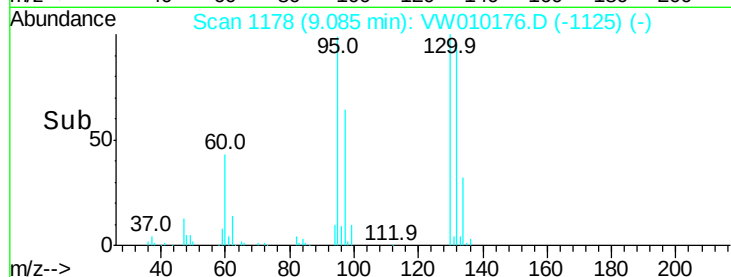
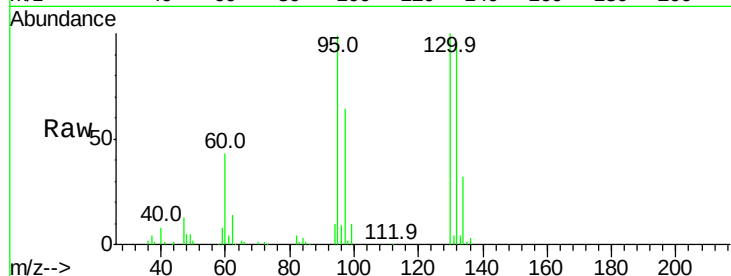
Ion Ratio Lower Upper

95 100

97 63.1 45.4 84.2

132 98.3 69.2 128.6

130 101.9 72.2 134.2

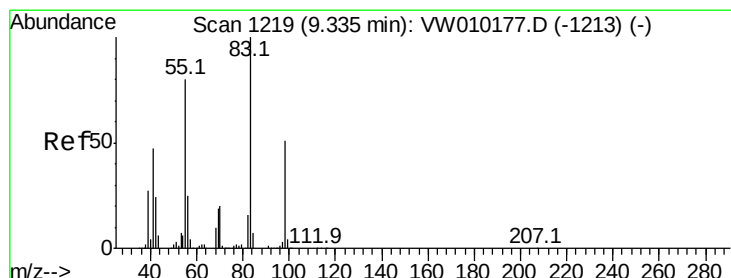
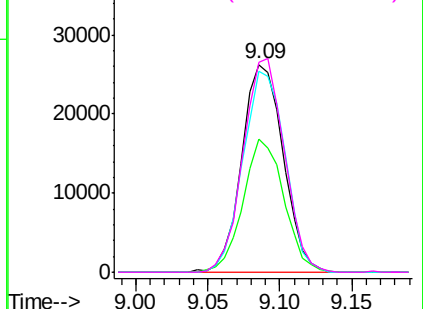


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 4.711 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

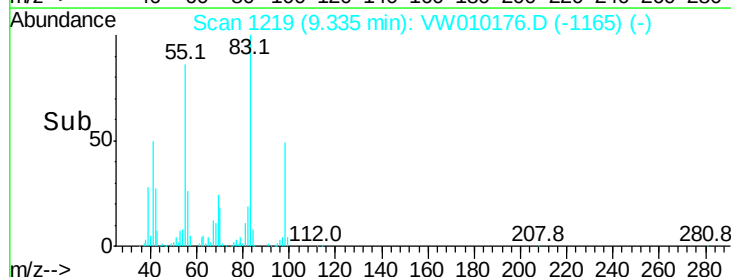
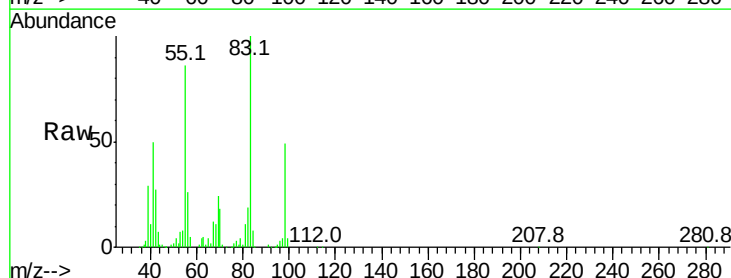
Tgt Ion: 83 Resp: 82023

Ion Ratio Lower Upper

83 100

55 84.9 64.5 96.7

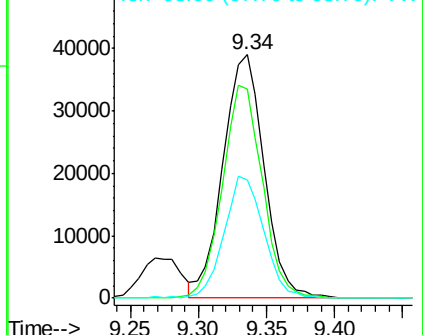
98 48.1 39.4 59.2

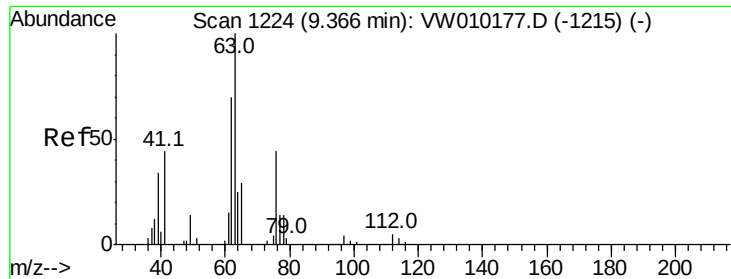


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

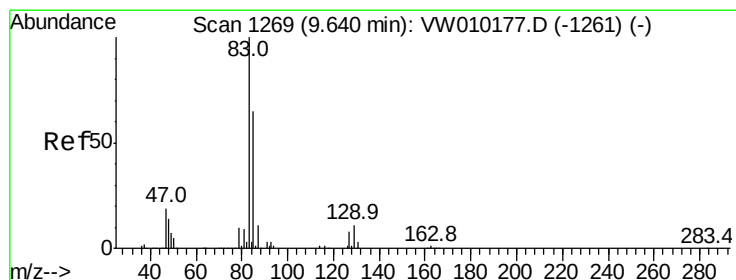
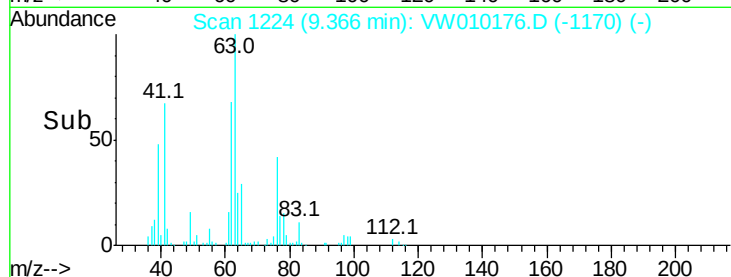
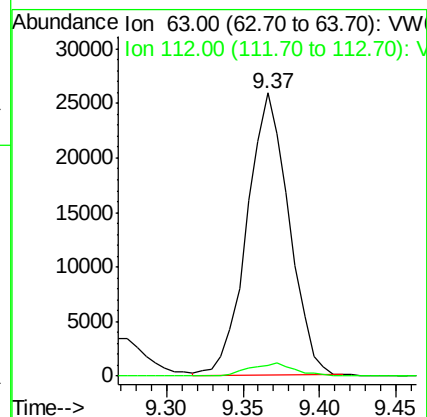
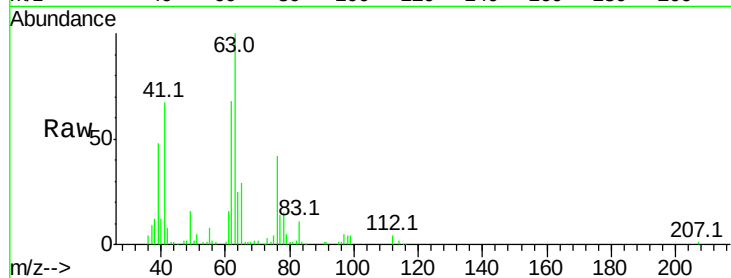




#40
 1,2-Dichloropropane
 Concen: 4.846 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

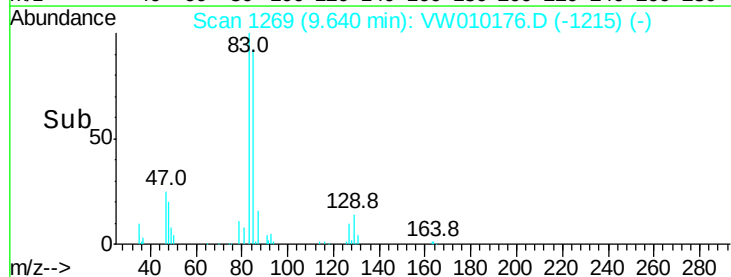
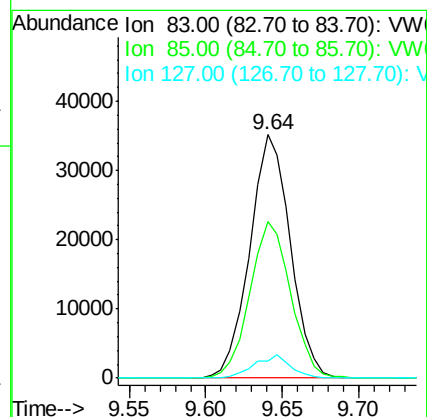
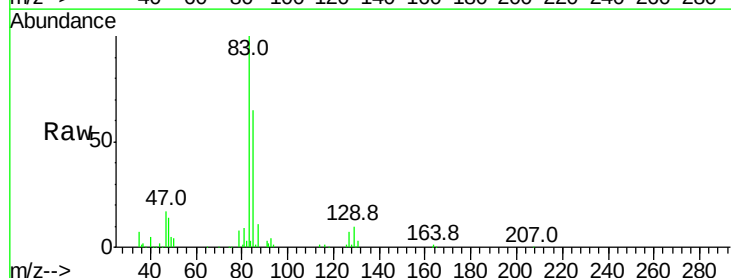
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00527

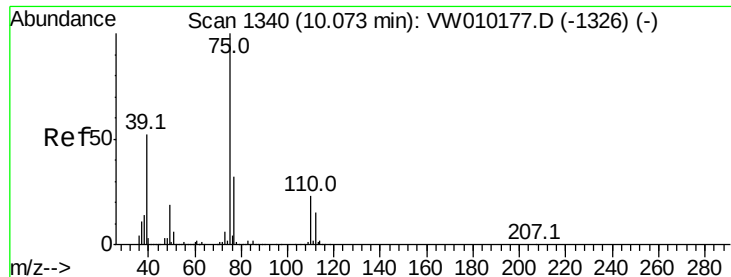
Tgt Ion: 63 Resp: 49258
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#41
 Bromodichloromethane
 Concen: 4.931 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Tgt Ion: 83 Resp: 64779
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.8 85.0
 127 7.0 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 4.659 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

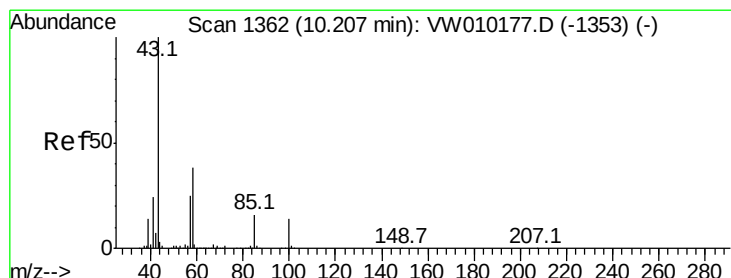
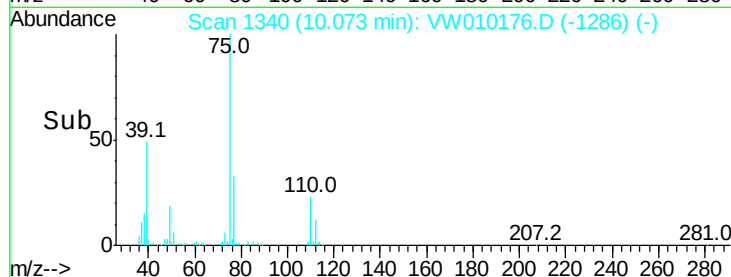
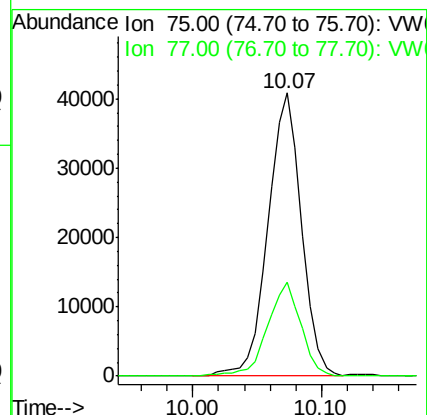
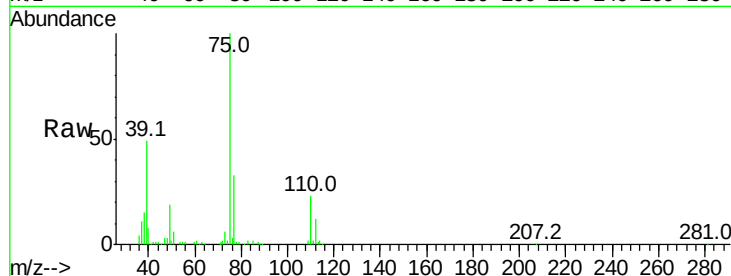
VSTD00527

Tgt Ion: 75 Resp: 73655

Ion Ratio Lower Upper

75 100

77 33.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 8.299 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

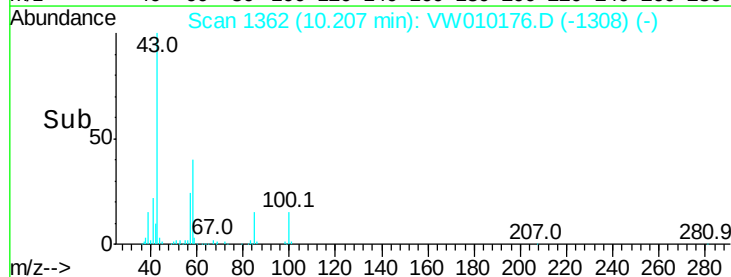
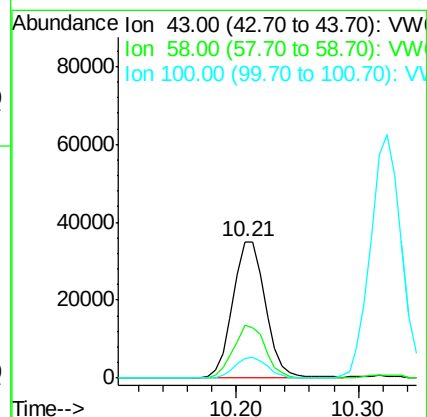
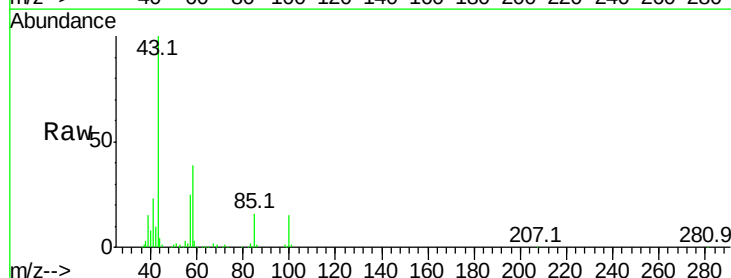
Tgt Ion: 43 Resp: 64997

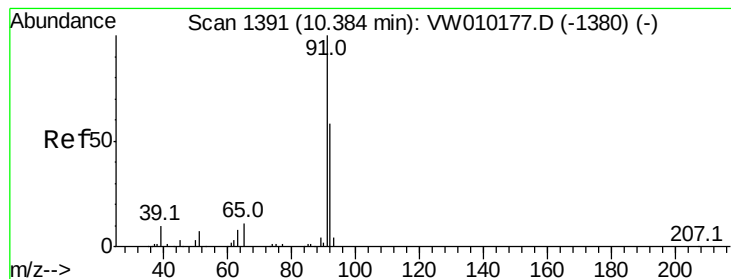
Ion Ratio Lower Upper

43 100

58 37.8 30.3 45.5

100 15.3 11.9 17.9





#44

Toluene

Concen: 4.934 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

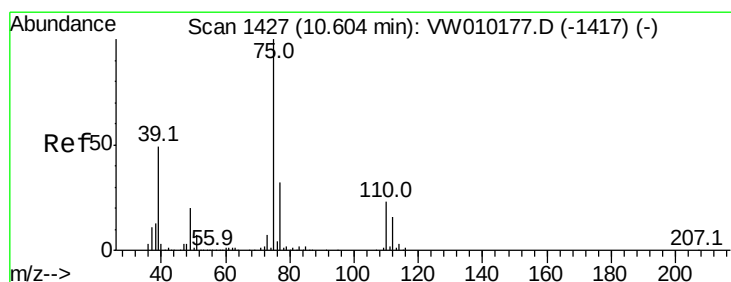
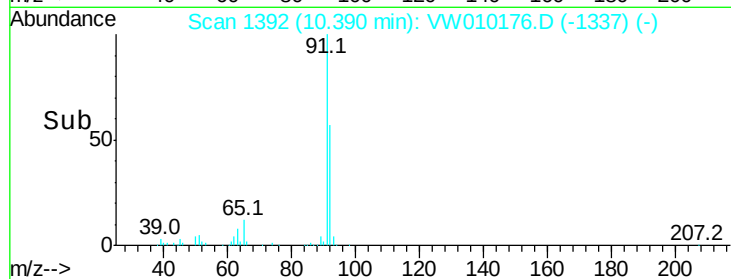
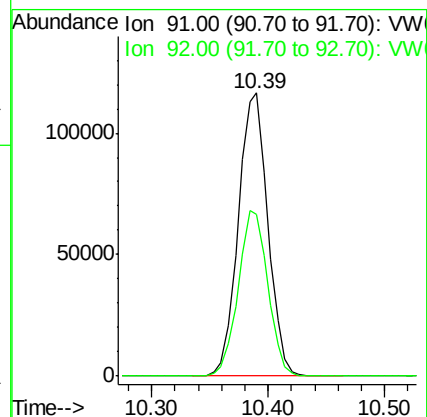
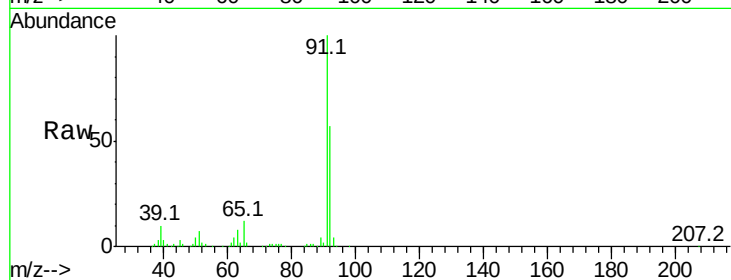
VSTD00527

Tgt Ion: 91 Resp: 205742

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 4.742 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010176.D

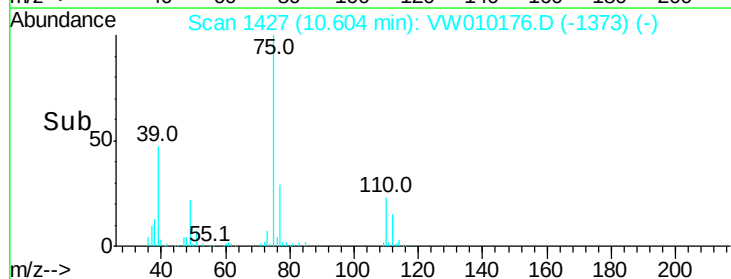
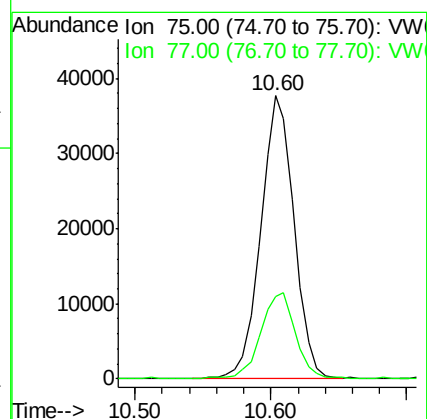
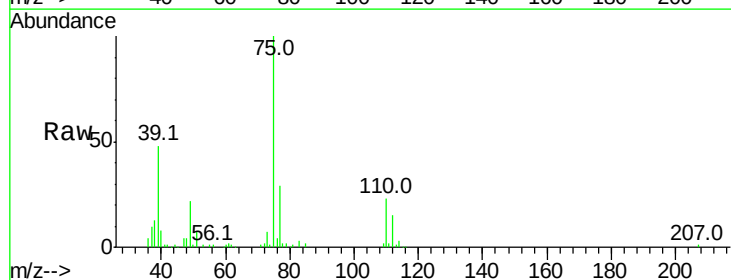
Acq: 29 Apr 2019 11:19

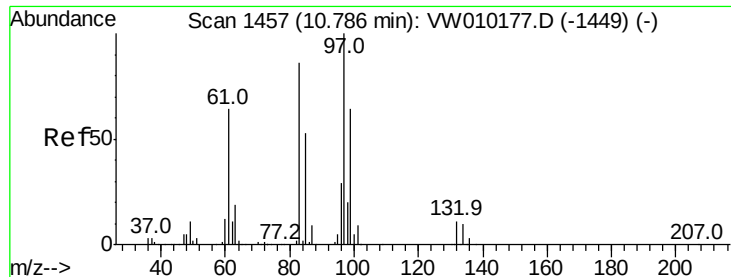
Tgt Ion: 75 Resp: 64697

Ion Ratio Lower Upper

75 100

77 29.0 22.4 41.6

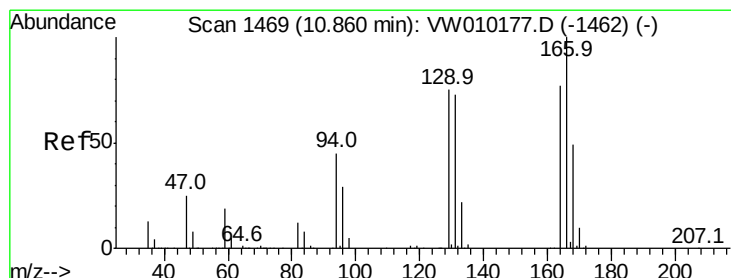
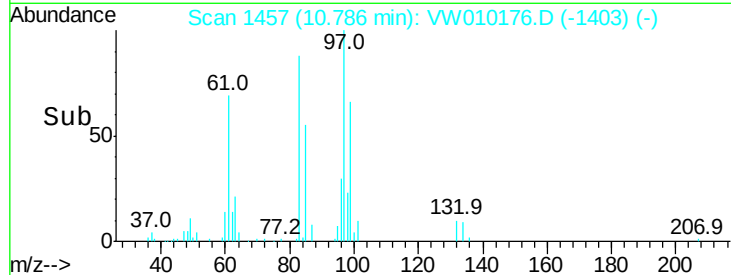
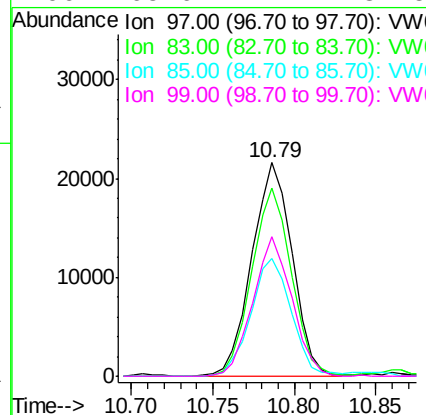
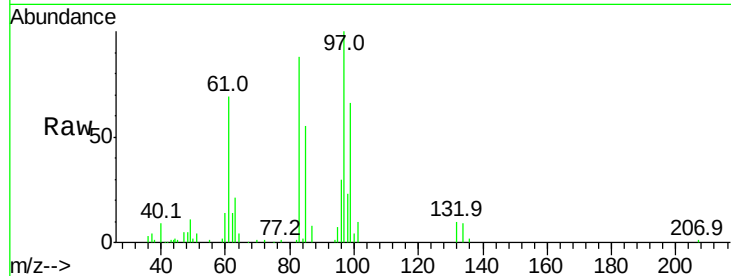




#46
 1,1,2-Trichloroethane
 Concen: 5.055 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

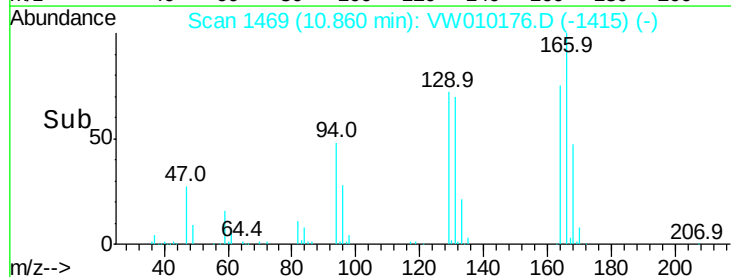
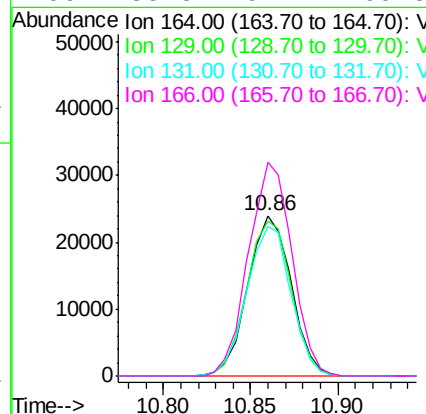
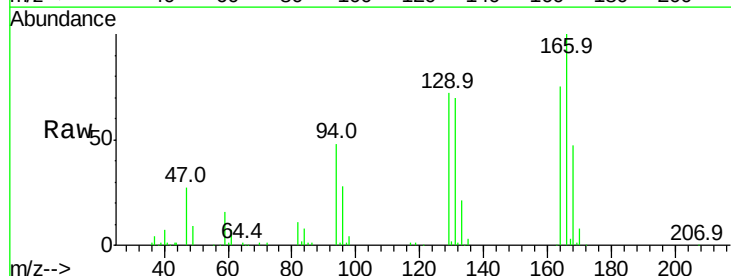
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00527

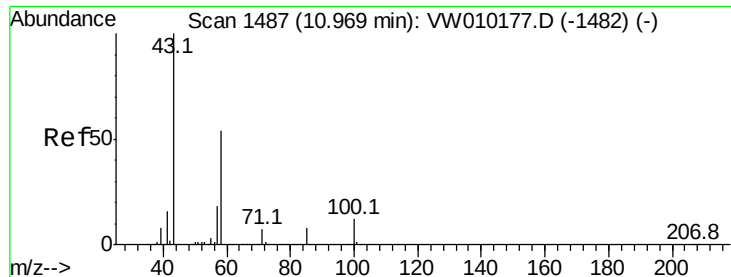
Tgt Ion:	97	Resp:	37279
Ion	Ratio	Lower	Upper
97	100		
83	88.3	60.0	111.4
85	55.1	36.8	68.4
99	65.6	44.4	82.5



#47
 Tetrachloroethene
 Concen: 5.222 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Tgt Ion:	164	Resp:	41399
Ion	Ratio	Lower	Upper
164	100		
129	96.4	68.3	126.9
131	93.7	66.8	124.0
166	133.3	91.1	169.3





#49

2-Hexanone

Concen: 7.916 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00527

Tgt Ion: 43 Resp: 43823

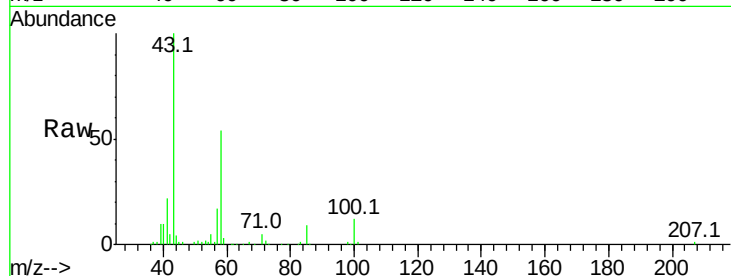
Ion Ratio Lower Upper

43 100

58 57.2 41.4 62.2

57 19.5 14.8 22.2

100 12.9 9.3 13.9

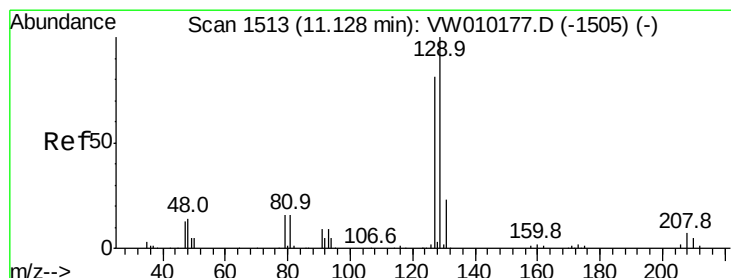
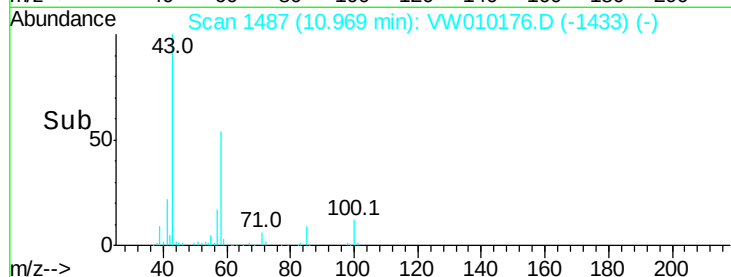
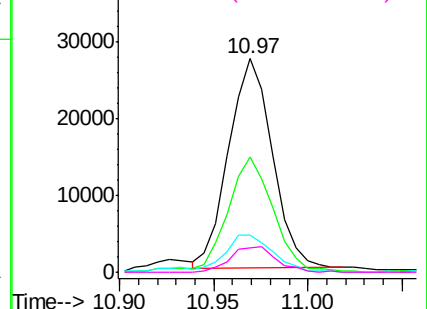


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 5.017 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010176.D

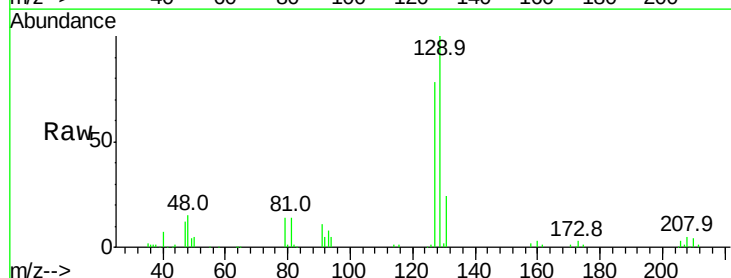
Acq: 29 Apr 2019 11:19

Tgt Ion: 129 Resp: 44335

Ion Ratio Lower Upper

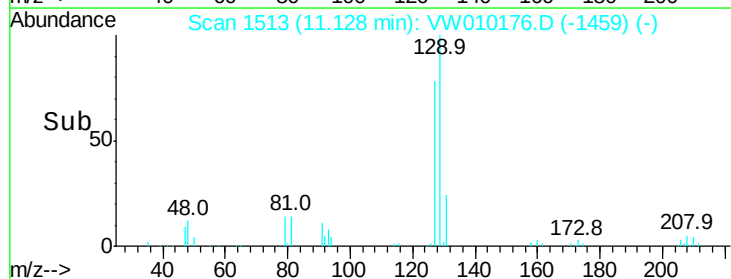
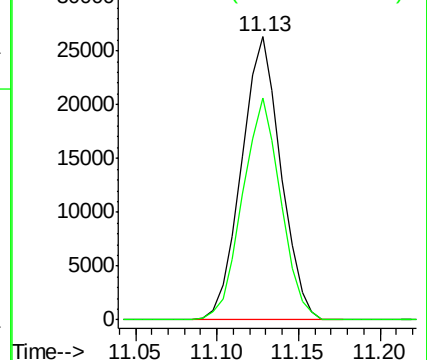
129 100

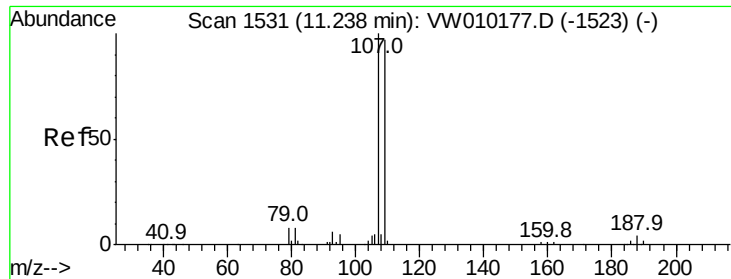
127 78.3 56.4 104.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

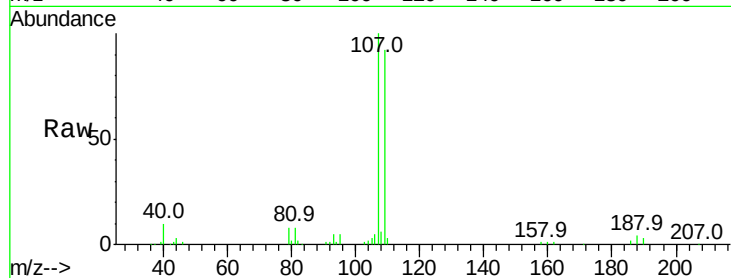




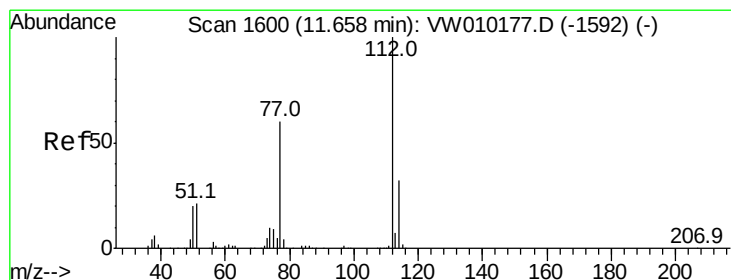
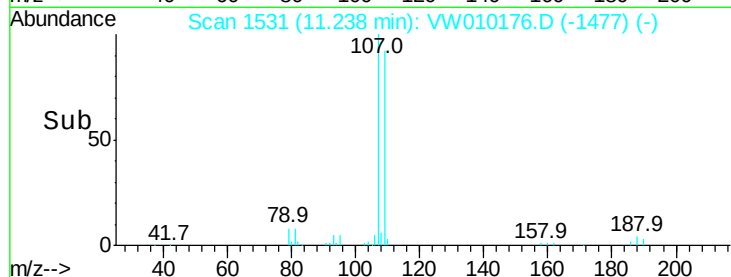
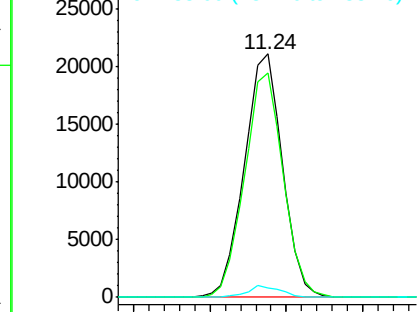
#51
1,2-Dibromoethane
Concen: 4.977 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

Tgt Ion:107 Resp: 36474
Ion Ratio Lower Upper
107 100
109 92.2 68.3 126.9
188 3.6 3.3 4.9

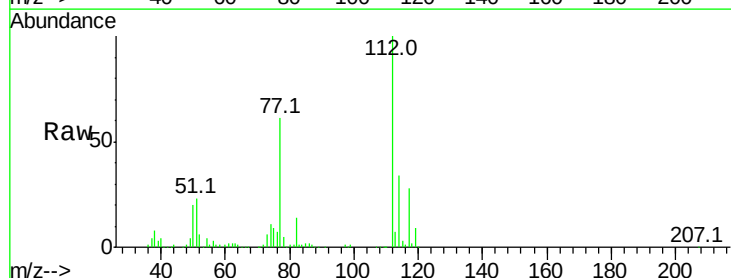


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

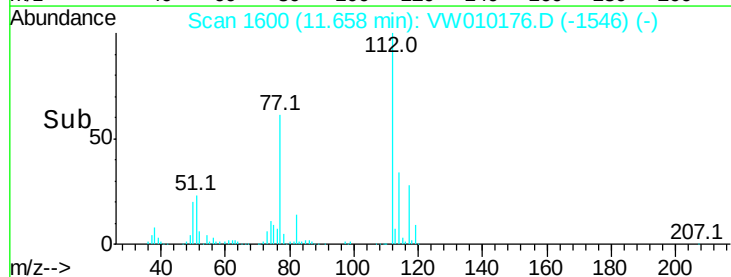
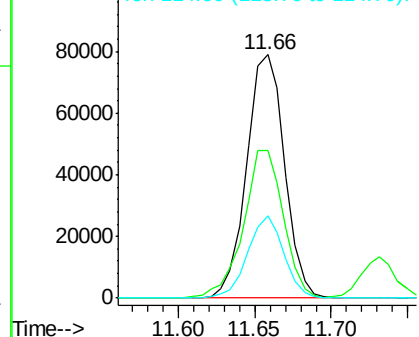


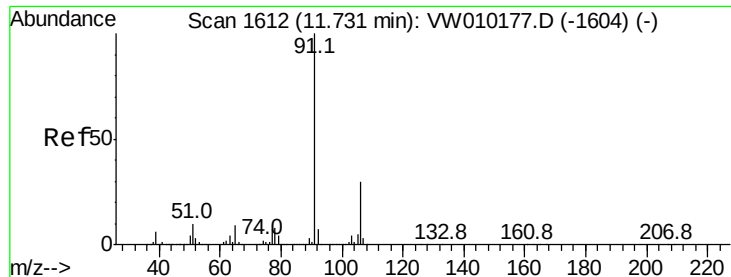
#52
Chlorobenzene
Concen: 5.164 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Tgt Ion:112 Resp: 136247
Ion Ratio Lower Upper
112 100
77 60.8 48.2 72.2
114 33.9 22.2 41.2



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: 4.855 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

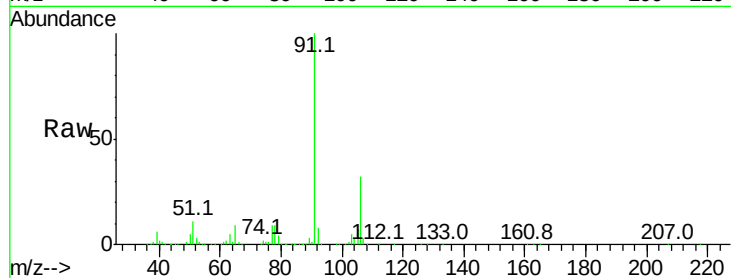
VSTD00527

Tgt Ion: 91 Resp: 227221

Ion Ratio Lower Upper

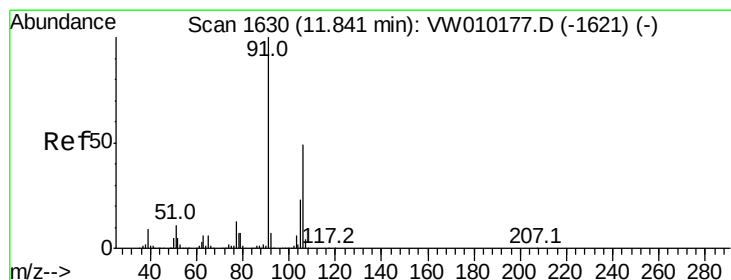
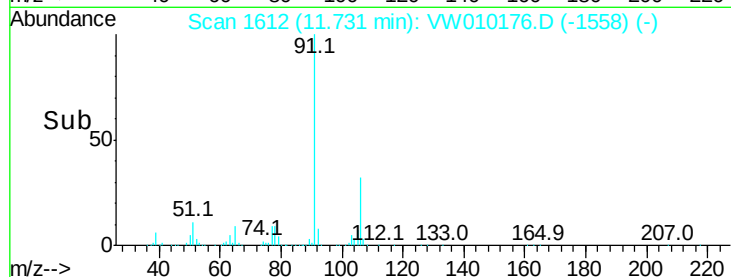
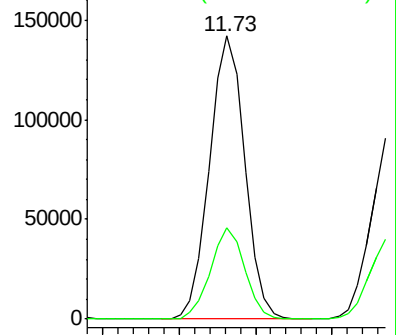
91 100

106 32.2 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 4.967 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW010176.D

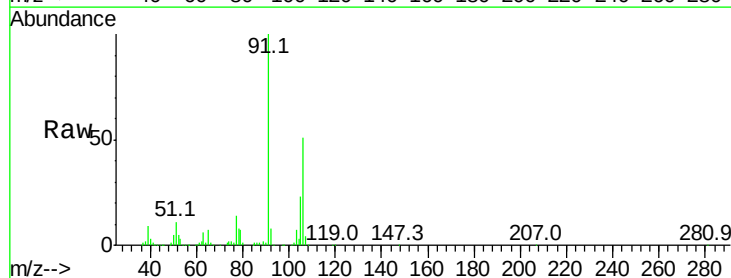
Acq: 29 Apr 2019 11:19

Tgt Ion: 106 Resp: 85986

Ion Ratio Lower Upper

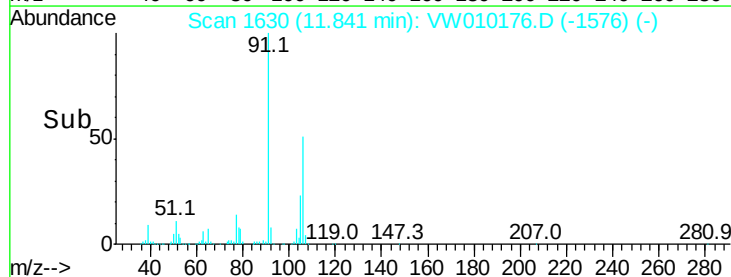
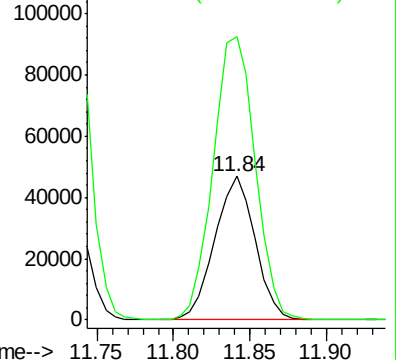
106 100

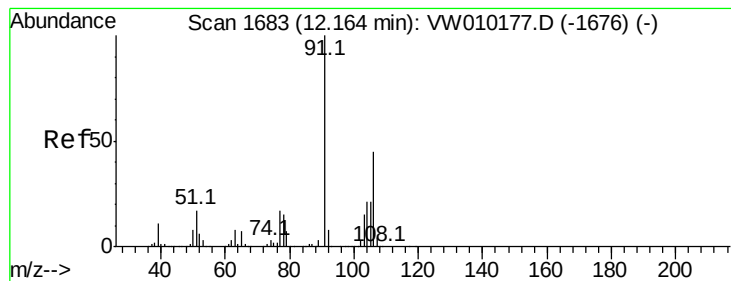
91 197.1 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 4.950 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

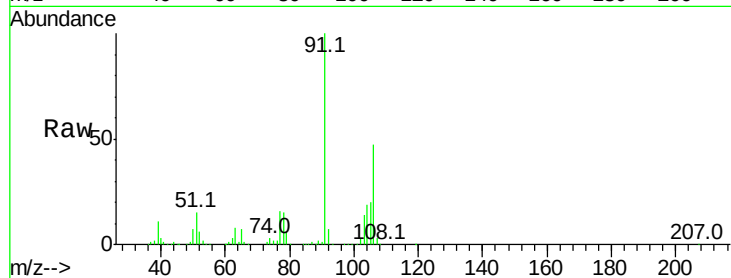
VSTD00527

Tgt Ion:106 Resp: 81255

Ion Ratio Lower Upper

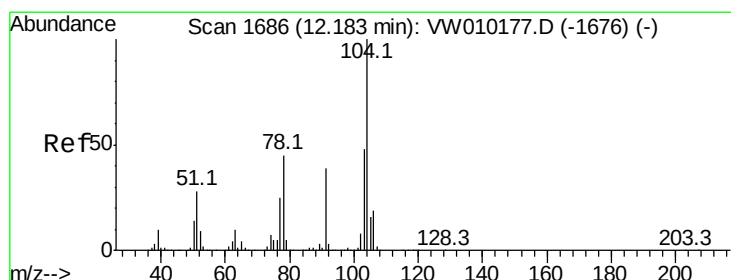
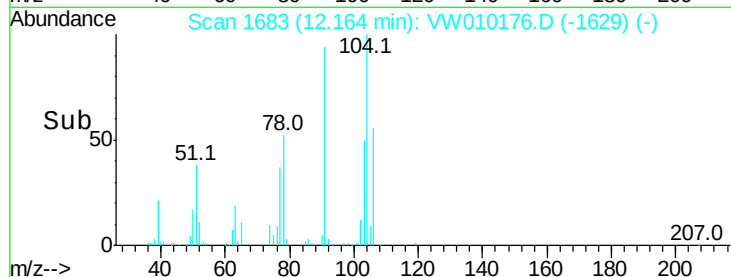
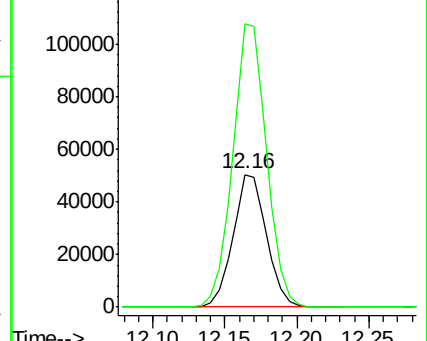
106 100

91 213.5 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 4.990 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010176.D

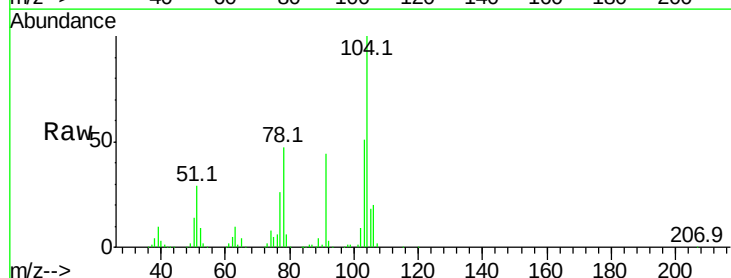
Acq: 29 Apr 2019 11:19

Tgt Ion:104 Resp: 139329

Ion Ratio Lower Upper

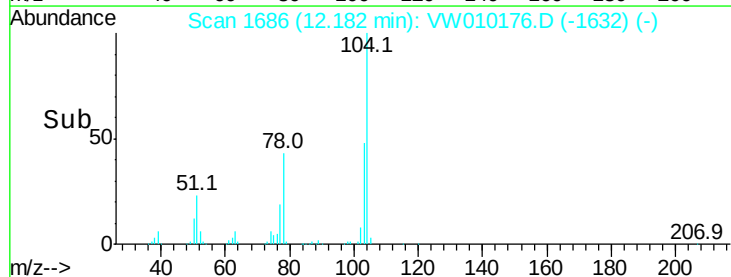
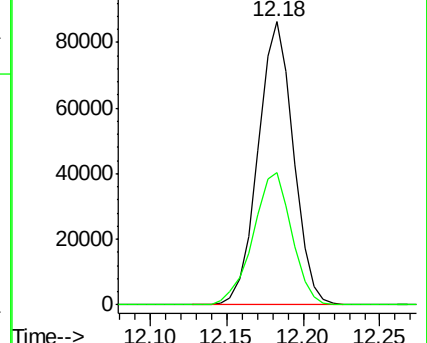
104 100

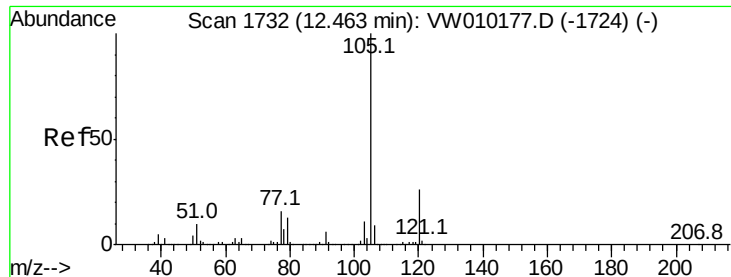
78 46.7 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 4.949 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

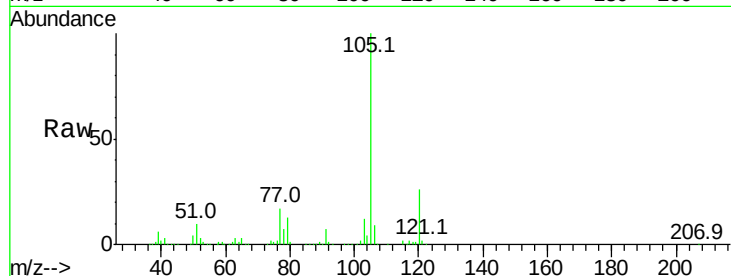
Instrument :

MSVOA_W

ClientSampleId :

VSTD00527

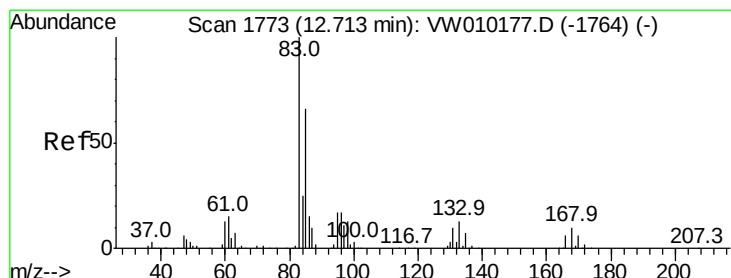
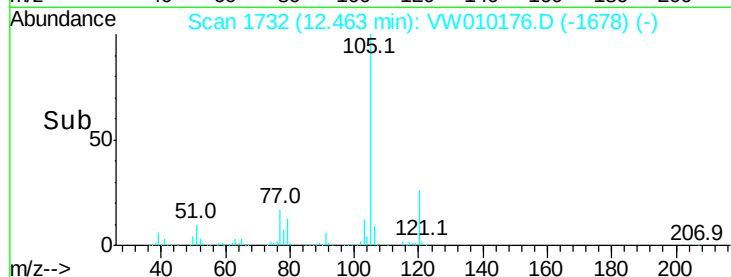
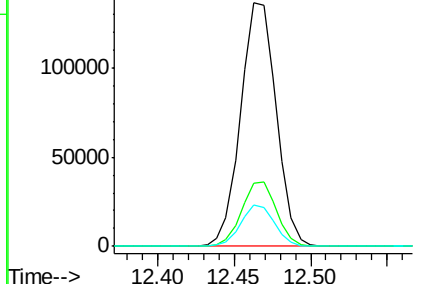
Tgt Ion:	105	Resp:	221039
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.9	31.3
77	16.3	12.6	19.0



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: 4.964 ug/L

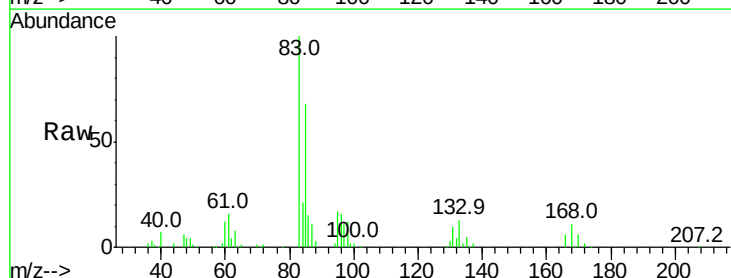
RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

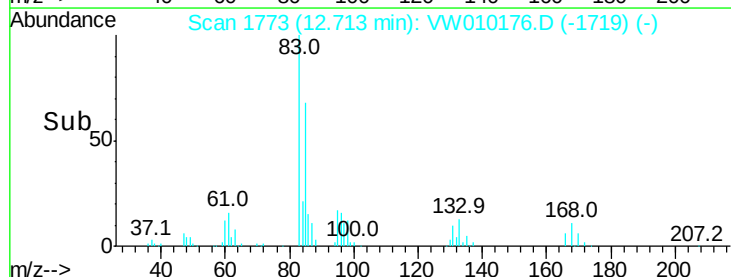
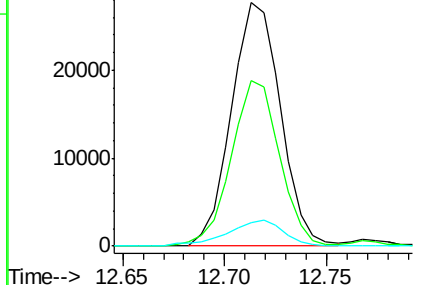
Tgt Ion:	83	Resp:	46372
Ion	Ratio	Lower	Upper
83	100		
85	67.9	46.5	86.5
131	9.7	8.0	12.0

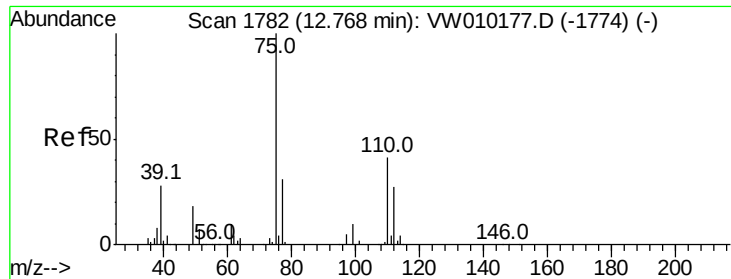


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

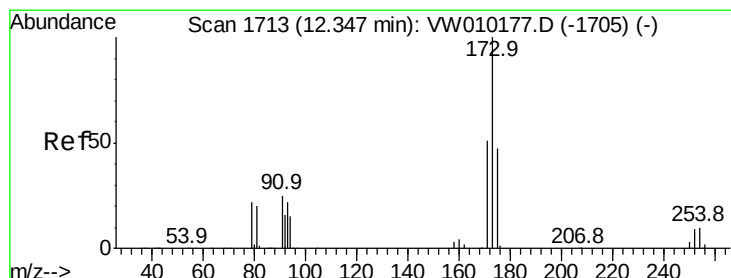
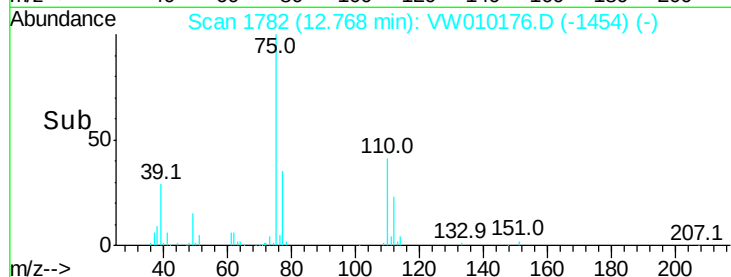
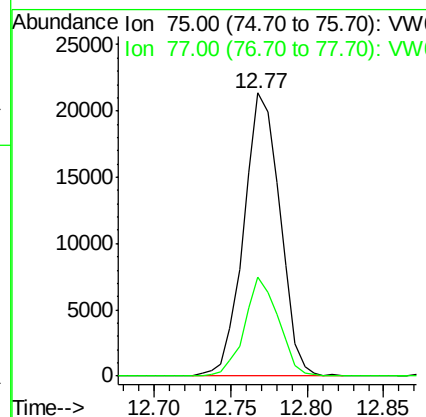
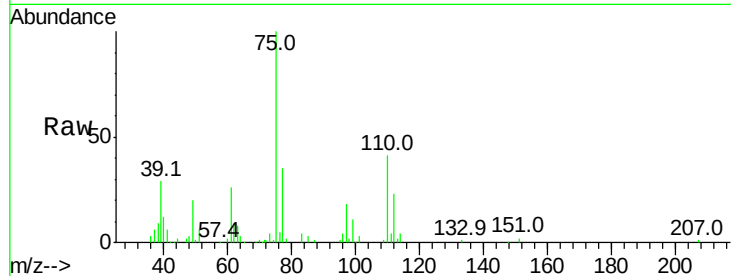




#59
 1,2,3-Trichloropropane
 Concen: 4.981 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

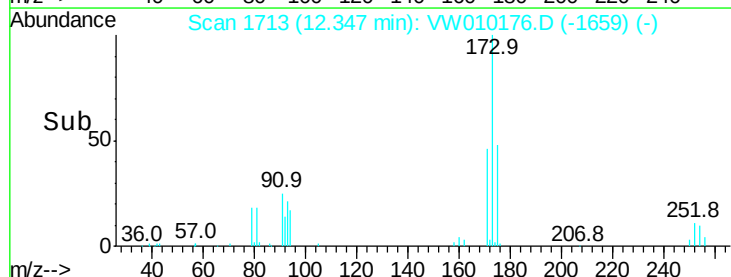
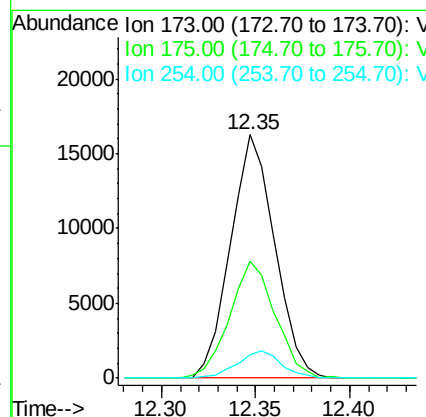
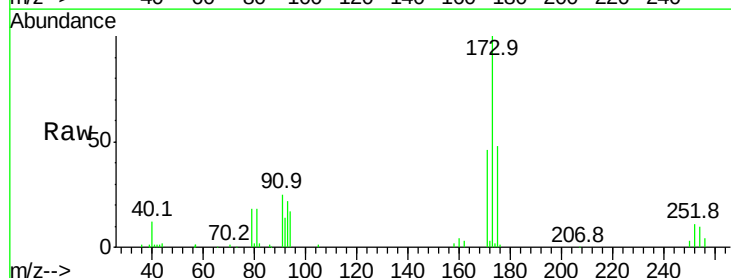
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00527

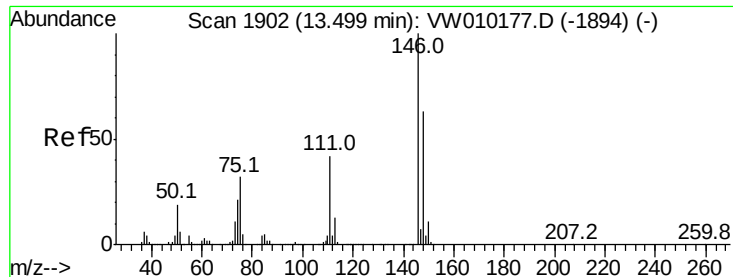
Tgt Ion: 75 Resp: 35213
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.4



#62
 Bromoform
 Concen: 5.020 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Tgt Ion: 173 Resp: 26499
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.6 57.8
 254 11.0 8.0 12.0

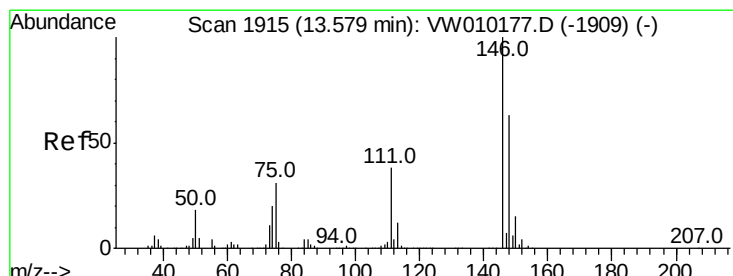
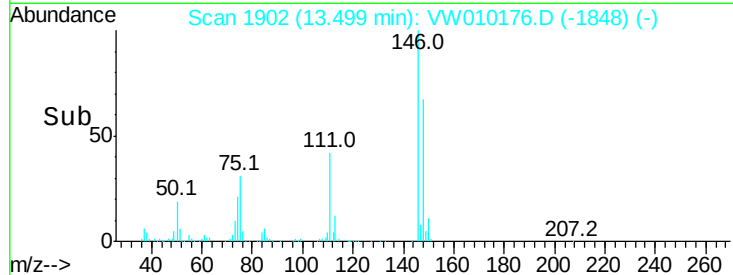
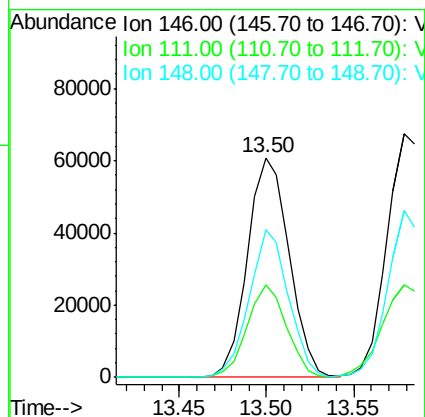
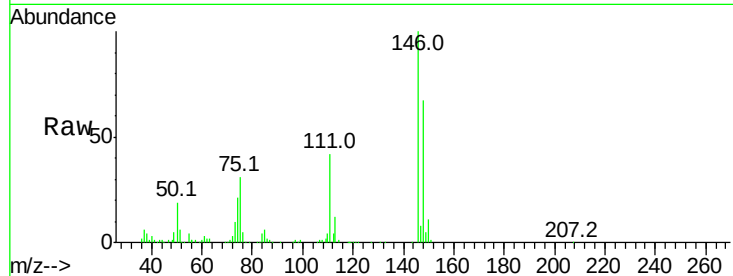




#63
 1,3-Dichlorobenzene
 Concen: 4.984 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

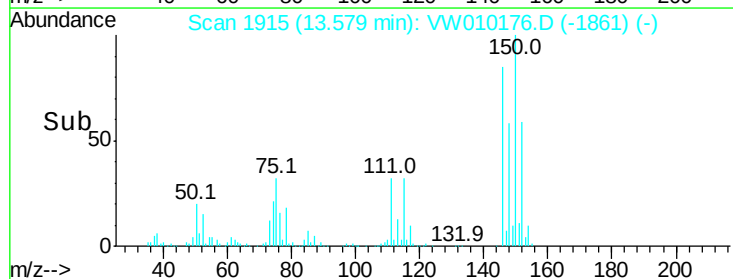
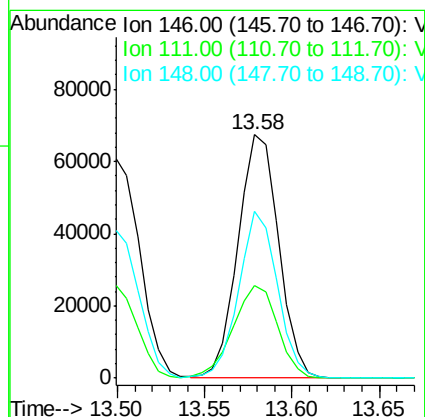
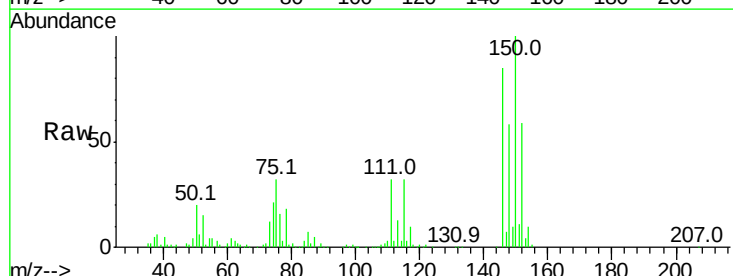
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00527

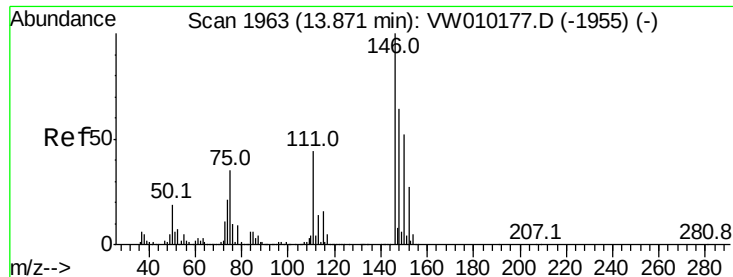
Tgt Ion:146 Resp: 100747
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.3 54.5
 148 67.0 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 5.198 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Tgt Ion:146 Resp: 109042
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.5 49.1
 148 68.5 43.9 81.5

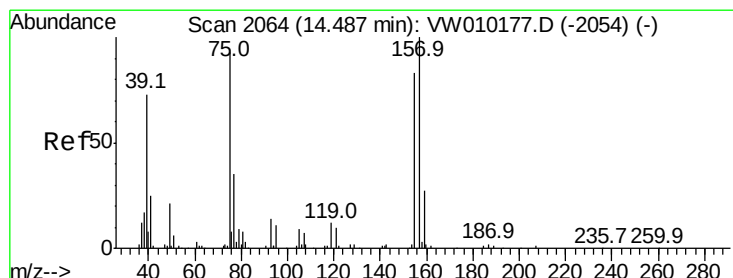
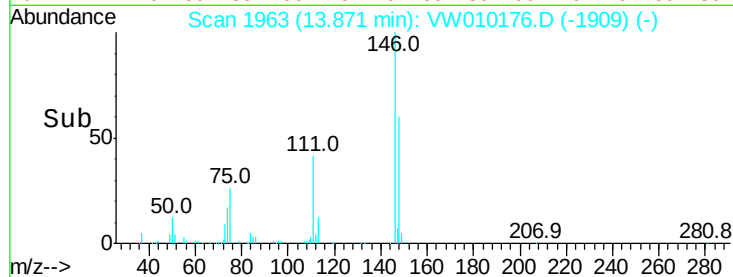
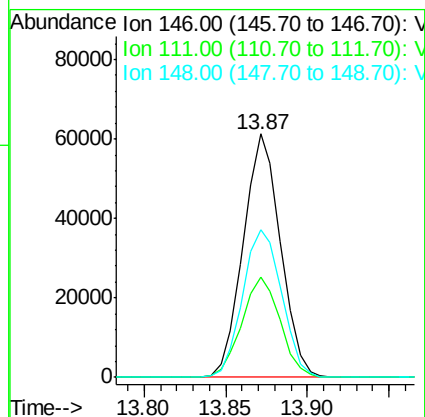
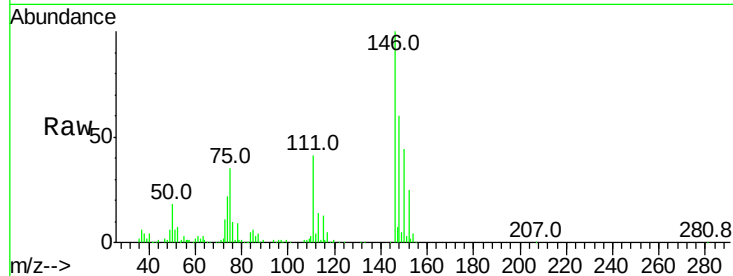




#65
1,2-Dichlorobenzene
Concen: 5.223 ug/L
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

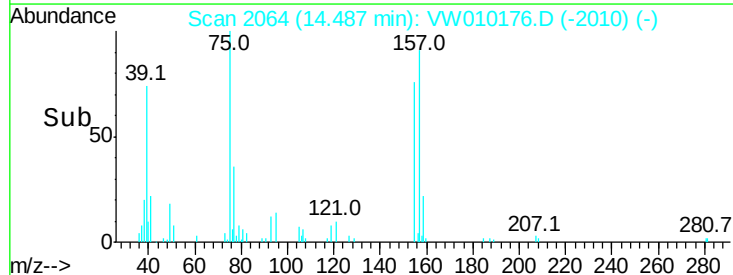
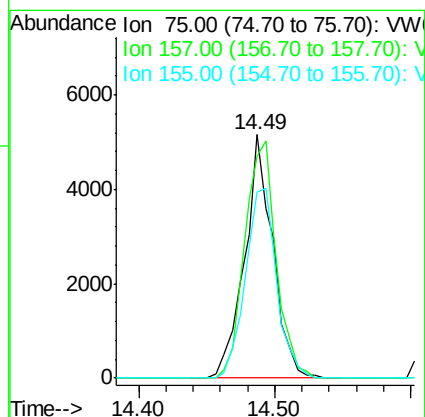
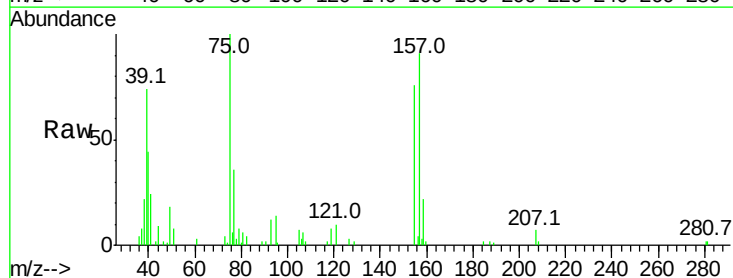
Instrument :
MSVOA_W
ClientSampleId :
VSTD00527

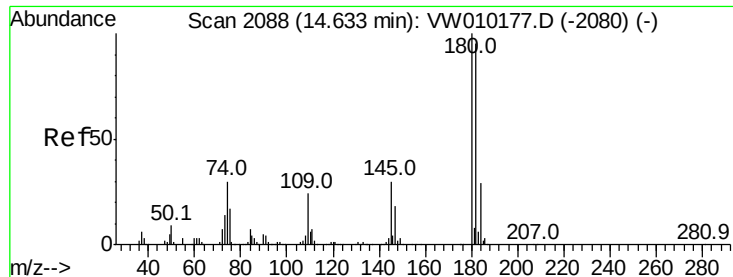
Tgt Ion: 146 Resp: 97662
Ion Ratio Lower Upper
146 100
111 41.2 35.0 52.4
148 60.4 51.2 76.8



#66
1,2-Dibromo-3-chloropropane
Concen: 4.297 ug/L
RT: 14.49 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VW010176.D
Acq: 29 Apr 2019 11:19

Tgt Ion: 75 Resp: 7468
Ion Ratio Lower Upper
75 100
157 91.0 85.7 128.5
155 76.2 70.8 106.2

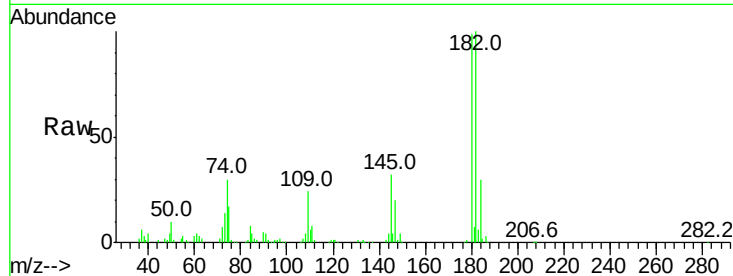




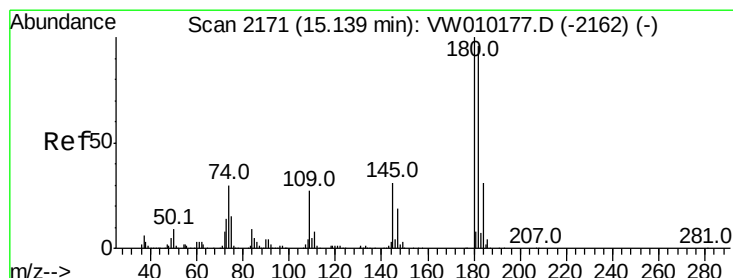
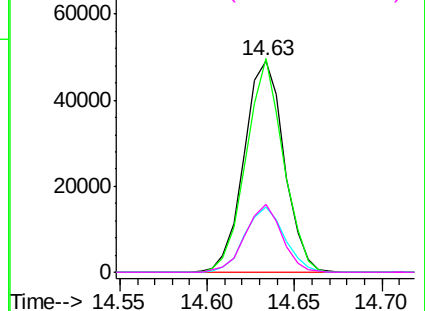
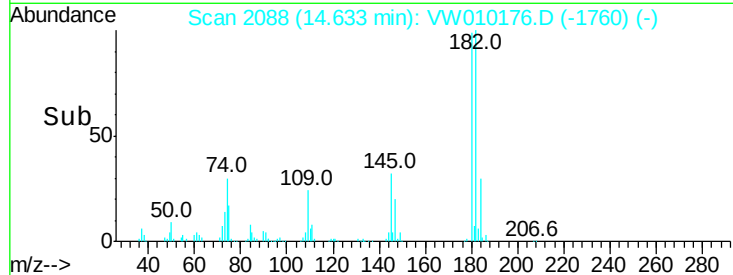
#67
 1,3,5-Trichlorobenzene
 Concen: 5.267 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00527

Tgt Ion:180 Resp: 78084
 Ion Ratio Lower Upper
 180 100
 182 93.9 75.7 113.5
 184 30.6 23.8 35.6
 145 29.6 23.8 35.8

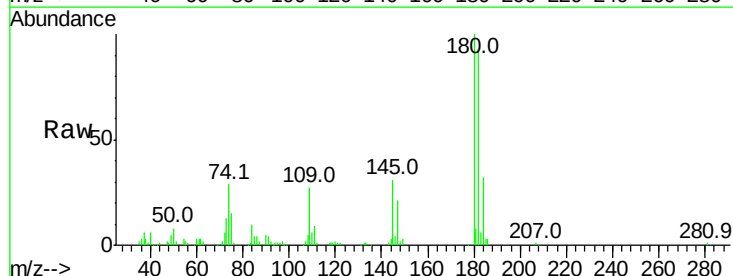


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

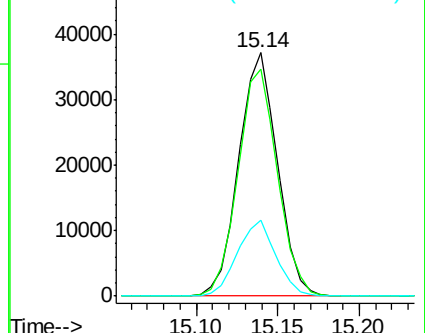
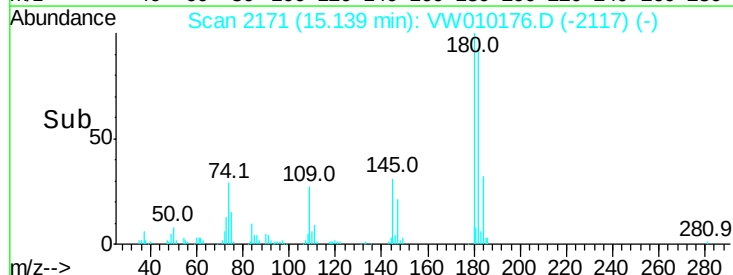


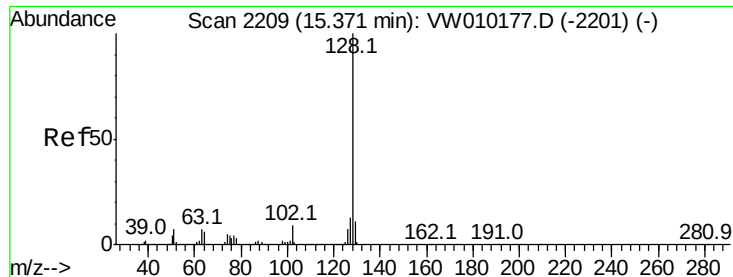
#68
 1,2,4-trichlorobenzene
 Concen: 5.070 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010176.D
 Acq: 29 Apr 2019 11:19

Tgt Ion:180 Resp: 61153
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 145 31.1 24.5 36.7



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





#69

Naphthalene

Concen: 3.798 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD00527

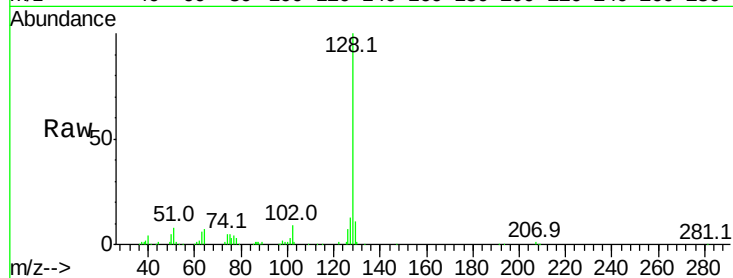
Tgt Ion:128 Resp: 113127

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

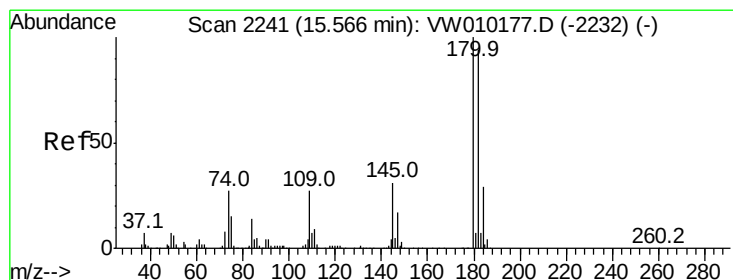
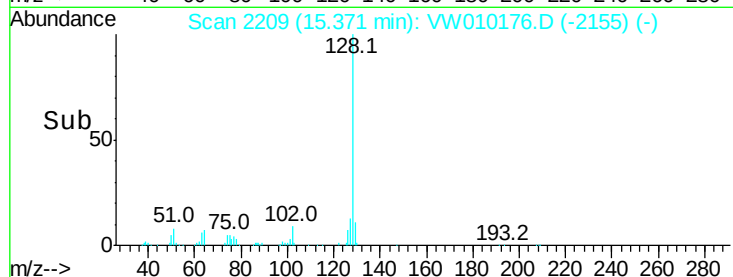
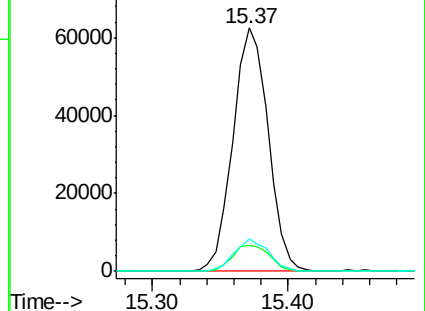
127 13.2 10.6 15.8



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: 5.048 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010176.D

Acq: 29 Apr 2019 11:19

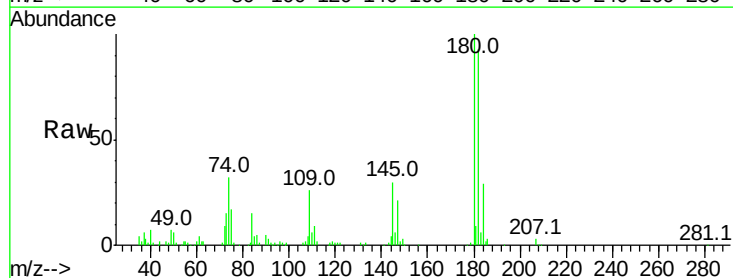
Tgt Ion:180 Resp: 57002

Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

145 31.4 26.0 39.0



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

