

Data File : VW010787.D
Acq On : 12 Jun 2019 19:27
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Jun 13 07:39:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143179	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	7.88	113	111777	55.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.30%	
50) Toluene-d8	10.32	98	457901	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.62	95	172653	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	88658	42.765	ug/l	100
3) Chloromethane	2.22	50	143295	46.980	ug/l	98
4) Vinyl Chloride	2.36	62	124947	44.338	ug/l	97
5) Bromomethane	2.74	94	68428	44.217	ug/l	100
6) Chloroethane	2.90	64	77674	45.919	ug/l	97
7) Trichlorofluoromethane	3.25	101	172113	47.049	ug/l	100
8) Diethyl Ether	3.68	74	64890	49.637	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	107284	47.702	ug/l	100
10) Methyl Iodide	4.27	142	92017	40.704	ug/l	99
11) Tert butyl alcohol	5.17	59	73214	339.863	ug/l	95
12) 1,1-Dichloroethene	4.03	96	101277	46.681	ug/l	96
13) Acrolein	3.89	56	22393	254.383	ug/l	96
14) Allyl chloride	4.67	41	241338	50.450	ug/l	98
15) Acrylonitrile	5.37	53	166386	261.981	ug/l	99
16) Acetone	4.12	43	189472	267.417	ug/l	98
17) Carbon Disulfide	4.37	76	308880	44.849	ug/l	99
18) Methyl Acetate	4.67	43	83244	54.580	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	320259	51.182	ug/l	99
20) Methylene Chloride	4.92	84	120508	48.483	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	119206	48.401	ug/l	94
22) Diisopropyl ether	6.31	45	498509	52.052	ug/l	99
23) Vinyl Acetate	6.26	43	1499602	259.458	ug/l	100
24) 1,1-Dichloroethane	6.21	63	242498	50.526	ug/l	98
25) 2-Butanone	7.17	43	268166	272.951	ug/l	96
26) 2,2-Dichloropropane	7.17	77	194652	49.840	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	134051	49.458	ug/l	97
28) Bromochloromethane	7.51	49	116595	54.435	ug/l	97
29) Tetrahydrofuran	7.53	42	161372	261.134	ug/l	99
30) Chloroform	7.68	83	222975	50.792	ug/l	100
31) Cyclohexane	7.95	56	241947	45.349	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	192035	50.077	ug/l	100
36) 1,1-Dichloropropene	8.08	75	181810	47.997	ug/l	100
37) Ethyl Acetate	7.25	43	107779	51.346	ug/l	99
38) Carbon Tetrachloride	8.07	117	157512	48.169	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223264	46.365	ug/l	98
40) Benzene	8.32	78	505922	48.958	ug/l	99
41) Methacrylonitrile	7.48	41	64327	51.557	ug/l	98
42) 1,2-Dichloroethane	8.40	62	167574	51.094	ug/l	99
43) Isopropyl Acetate	8.43	43	212383	52.372	ug/l	99
44) Trichloroethene	9.09	130	123376	48.400	ug/l	97
45) 1,2-Dichloropropane	9.37	63	139093	50.847	ug/l	98
46) Dibromomethane	9.46	93	64271	50.584	ug/l	98
47) Bromodichloromethane	9.65	83	168438	51.142	ug/l	98
48) Methyl methacrylate	9.44	41	102796	52.575	ug/l	96
49) 1,4-Dioxane	9.45	88	22893	1152.444	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	553722	267.276	ug/l	100
52) Toluene	10.39	92	314197	49.416	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	177168	50.787	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	207472	50.542	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	92088	50.311	ug/l	98
56) Ethyl methacrylate	10.65	69	145557	51.681	ug/l	96
57) 1,3-Dichloropropane	10.93	76	175731	50.945	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	351340	238.163	ug/l	100
59) 2-Hexanone	10.97	43	393998	263.142	ug/l	98
60) Dibromochloromethane	11.13	129	103568	51.043	ug/l	99
61) 1,2-Dibromoethane	11.24	107	86812	50.058	ug/l	98
64) Tetrachloroethene	10.86	164	105390	47.738	ug/l	97
65) Chlorobenzene	11.66	112	316051	48.336	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	113828	50.290	ug/l	99
67) Ethyl Benzene	11.73	91	610749	48.602	ug/l	98
68) m/p-Xylenes	11.84	106	440436	97.910	ug/l	99
69) o-Xylene	12.16	106	208502	48.871	ug/l	97
70) Styrene	12.18	104	368448	49.715	ug/l	99
71) Bromoform	12.35	173	58444	49.926	ug/l #	99
73) Isopropylbenzene	12.47	105	576045	46.812	ug/l	100
74) N-amyl acetate	12.27	43	207055	52.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	113696	48.533	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150762	87.671	ug/l #	100
77) Bromobenzene	12.75	156	127983	47.647	ug/l	97
78) n-propylbenzene	12.80	91	701864	47.302	ug/l	100
79) 2-Chlorotoluene	12.90	91	406445	47.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	484733	48.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	35713	47.731	ug/l	98
82) 4-Chlorotoluene	12.99	91	422317	48.275	ug/l	99
83) tert-Butylbenzene	13.21	119	408705	47.812	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	489394	48.285	ug/l	99
85) sec-Butylbenzene	13.38	105	587632	47.215	ug/l	99
86) p-Isopropyltoluene	13.50	119	533360	47.922	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	248721	48.016	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	246306	47.962	ug/l	99
89) n-Butylbenzene	13.83	91	541788	48.789	ug/l	99
90) Hexachloroethane	14.10	117	96487	48.409	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	225189	48.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20371	50.639	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061219\
Quantitation Report (Not Reviewed)

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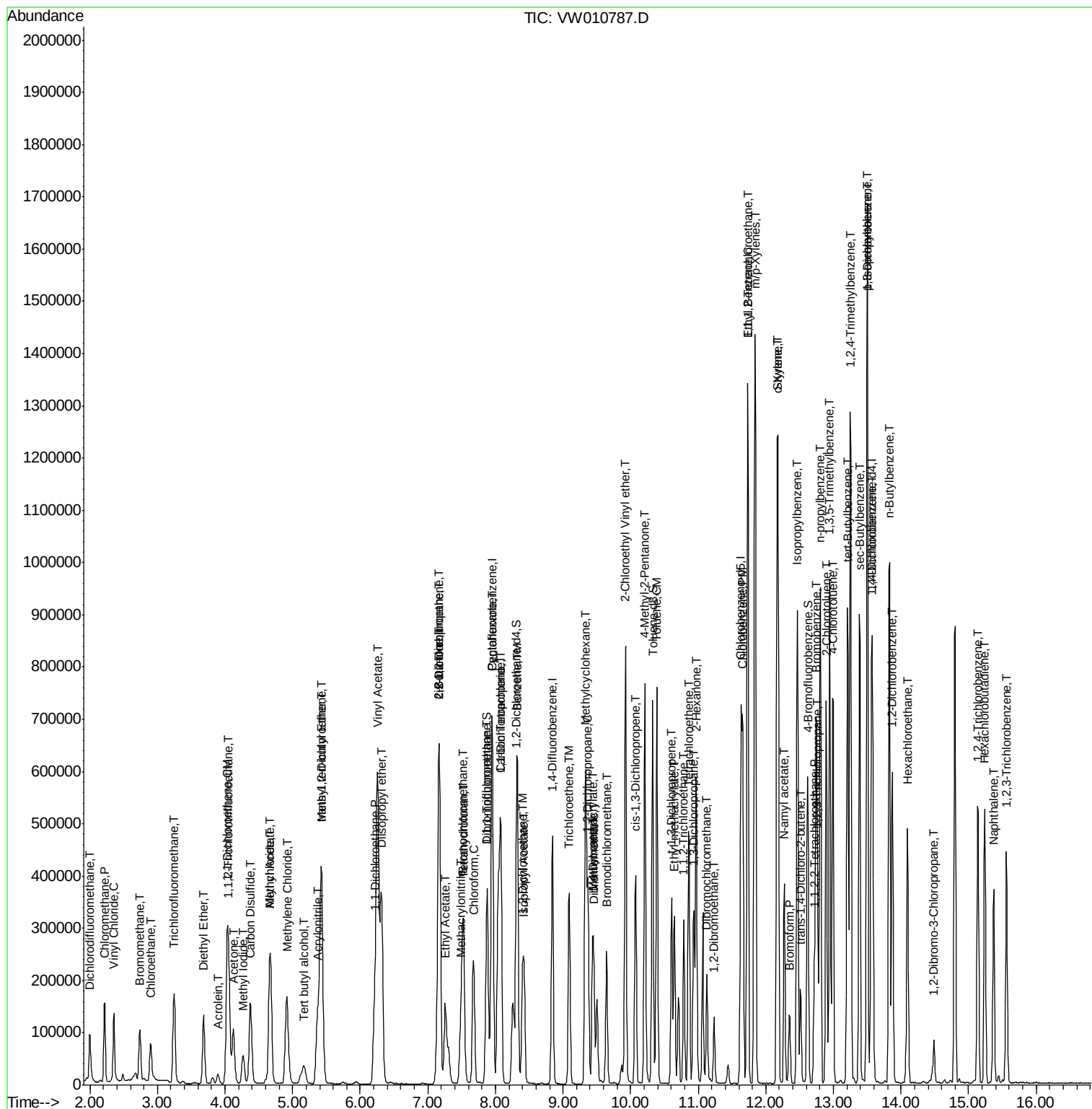
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	162863	49.820	ug/l	100
94) Hexachlorobutadiene	15.24	225	100738	49.101	ug/l	99
95) Naphthalene	15.37	128	301721	50.800	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	140972	50.707	ug/l	98

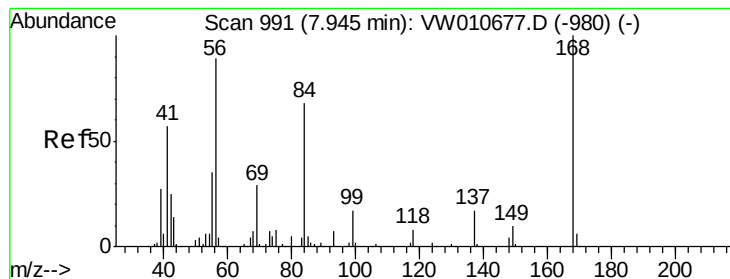
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

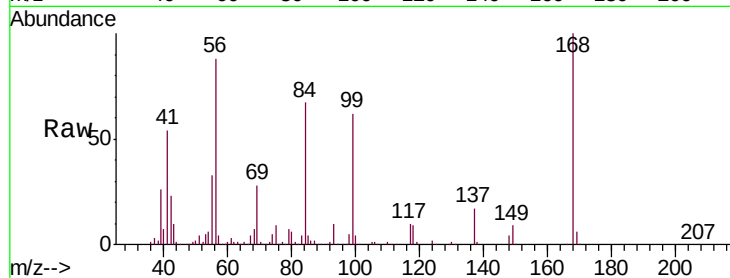
VSTDCCC050EC

Tgt Ion:168 Resp: 224343

Ion Ratio Lower Upper

168 100

99 61.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

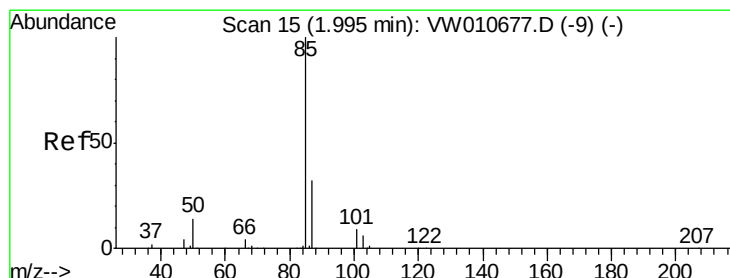
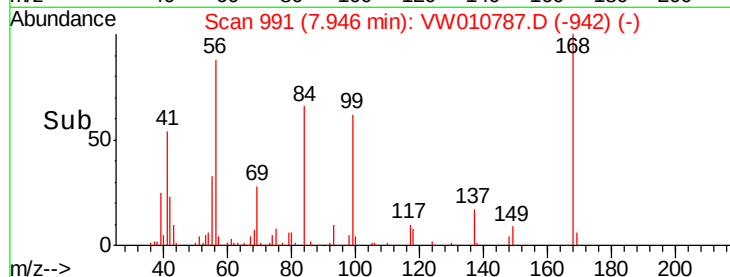
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.765 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010787.D

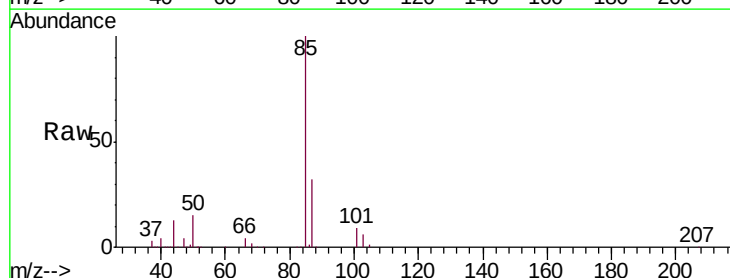
Acq: 12 Jun 2019 19:27

Tgt Ion: 85 Resp: 88658

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

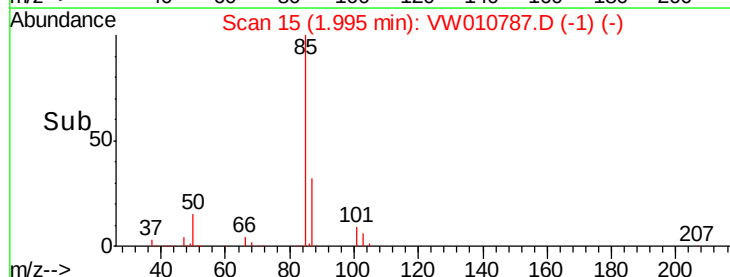
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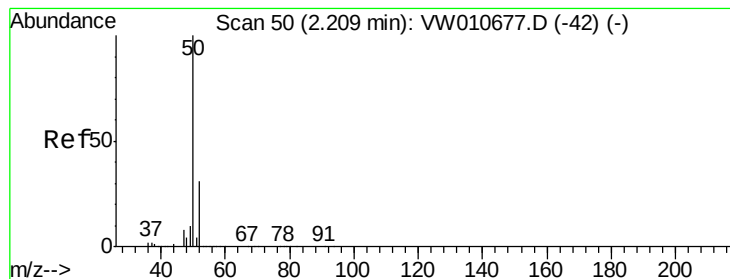
20000

10000

0

Time-->





#3

Chloromethane

Concen: 46.980 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

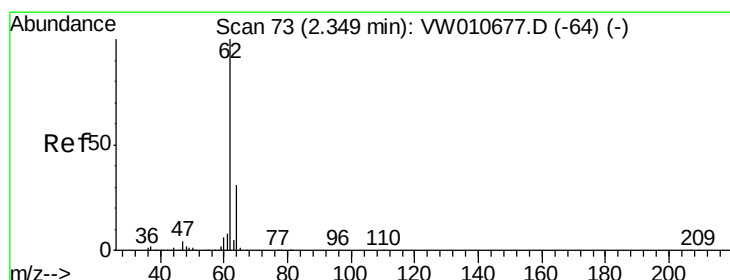
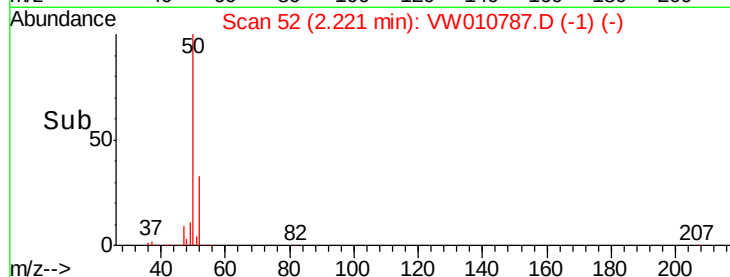
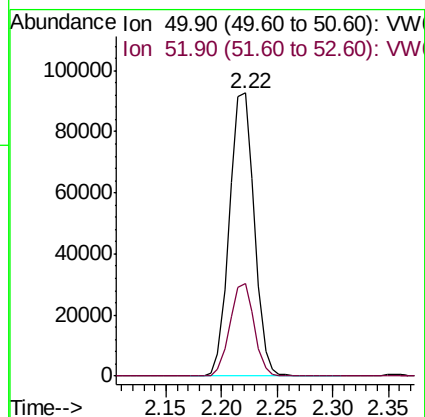
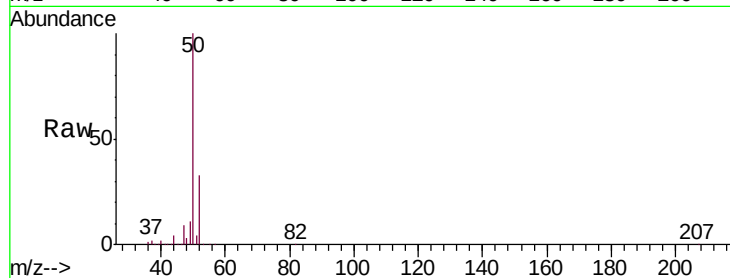
VSTDCCC050EC

Tgt Ion: 50 Resp: 143295

Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8



#4

Vinyl Chloride

Concen: 44.338 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010787.D

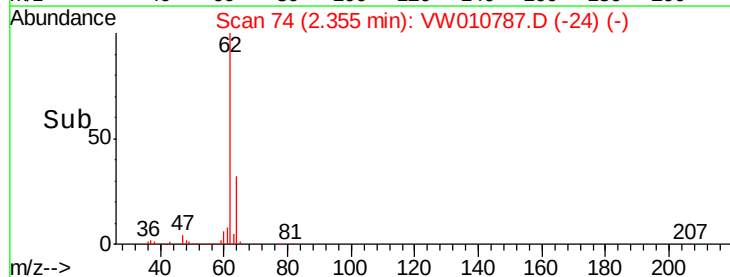
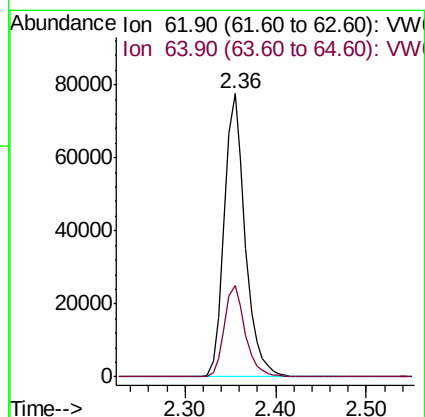
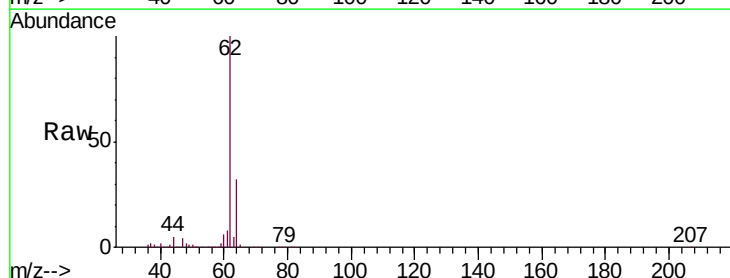
Acq: 12 Jun 2019 19:27

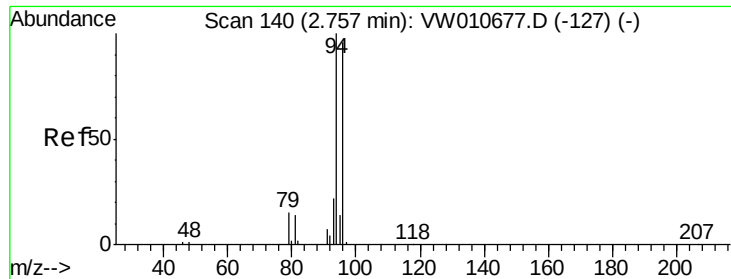
Tgt Ion: 62 Resp: 124947

Ion Ratio Lower Upper

62 100

64 32.4 24.5 36.7





#5

Bromomethane

Concen: 44.217 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

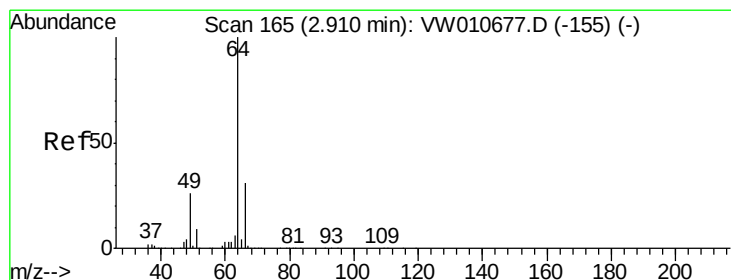
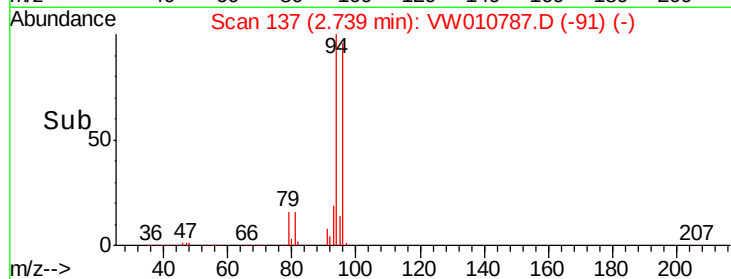
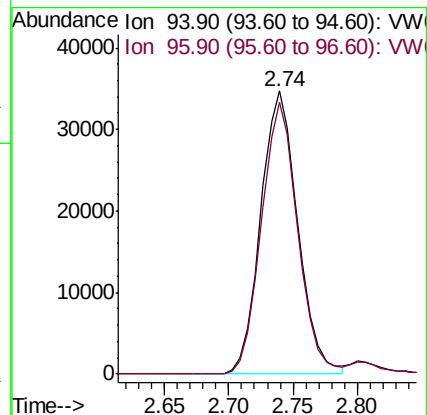
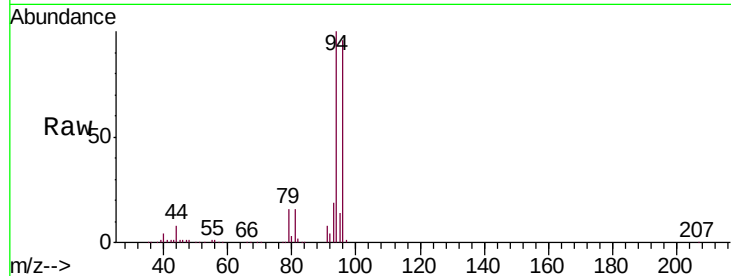
VSTDCCC050EC

Tgt Ion: 94 Resp: 68428

Ion Ratio Lower Upper

94 100

96 96.0 76.5 114.7



#6

Chloroethane

Concen: 45.919 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010787.D

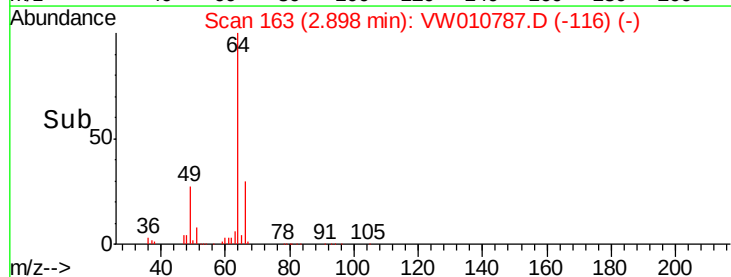
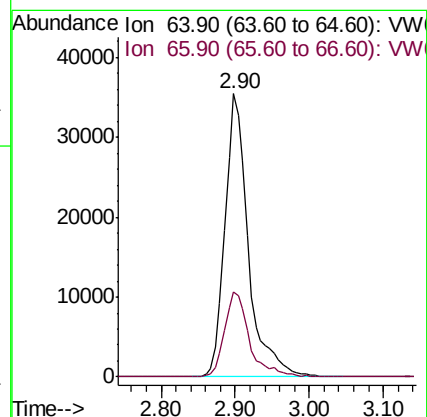
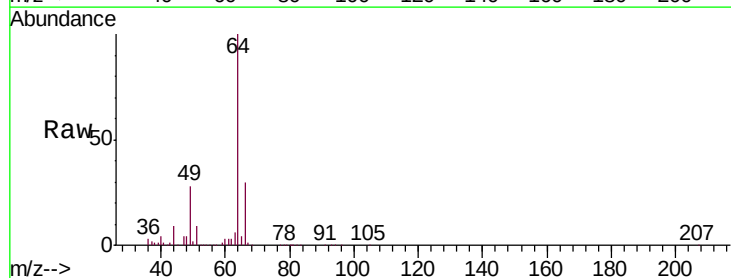
Acq: 12 Jun 2019 19:27

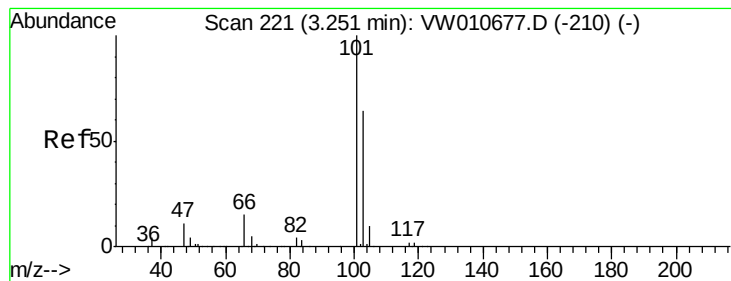
Tgt Ion: 64 Resp: 77674

Ion Ratio Lower Upper

64 100

66 29.8 25.1 37.7



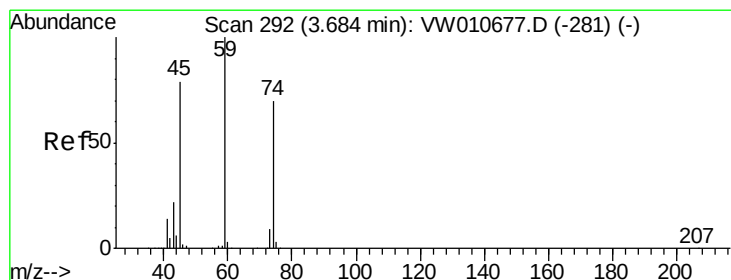
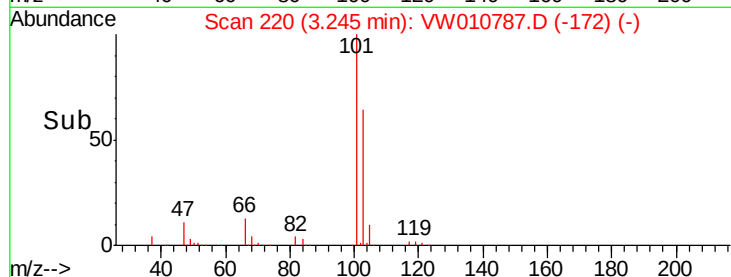
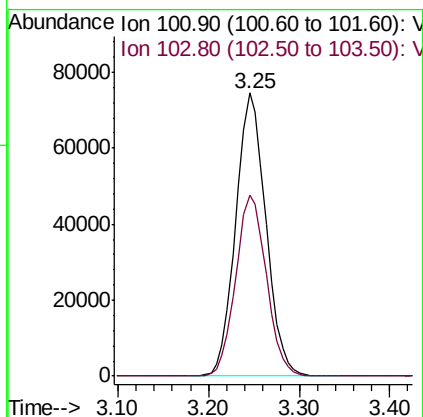
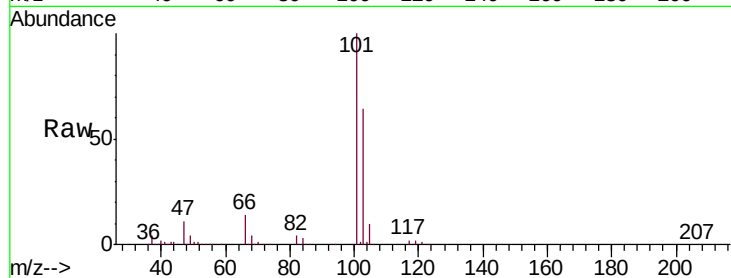


#7

Trichlorofluoromethane
 Concen: 47.049 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
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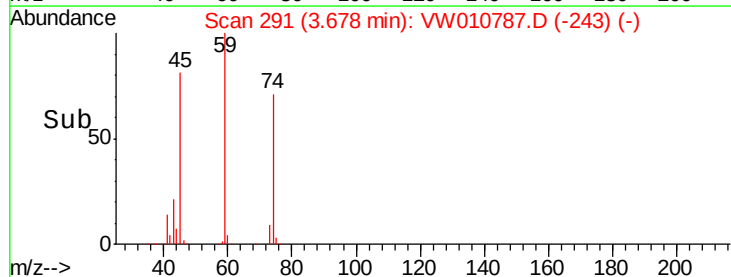
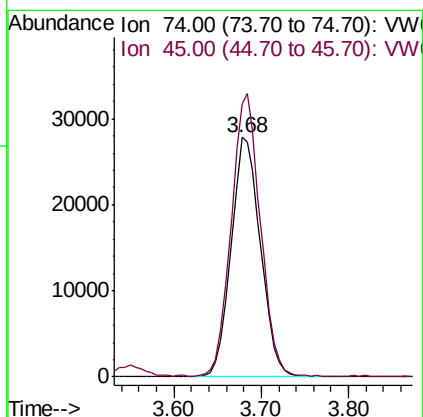
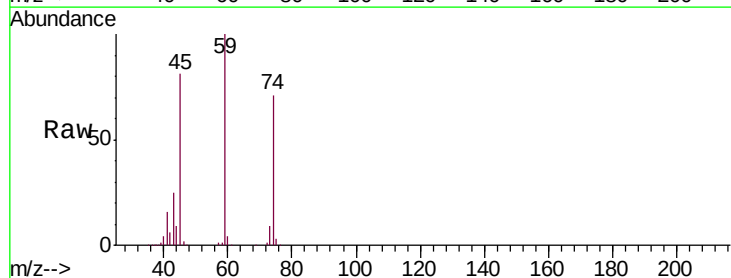
Tgt Ion:101 Resp: 172113
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8

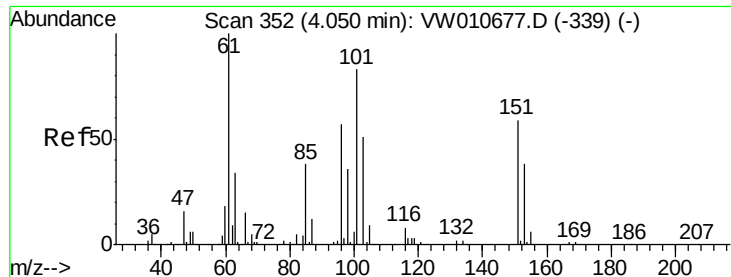


#8

Diethyl Ether
 Concen: 49.637 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 74 Resp: 64890
 Ion Ratio Lower Upper
 74 100
 45 117.0 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.702 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

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Instrument :

MSVOA_W

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VSTDCCC050EC

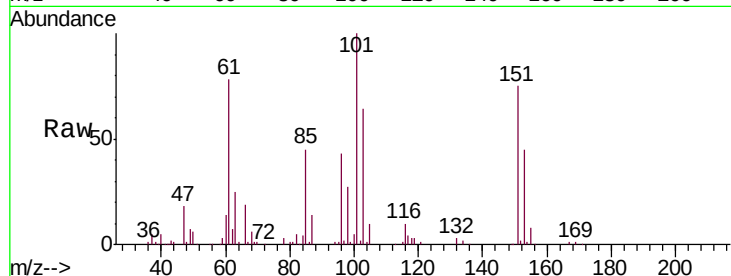
Tgt Ion:101 Resp: 107284

Ion Ratio Lower Upper

101 100

85 45.3 35.8 53.8

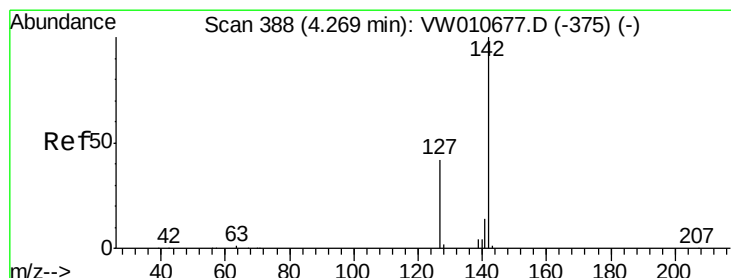
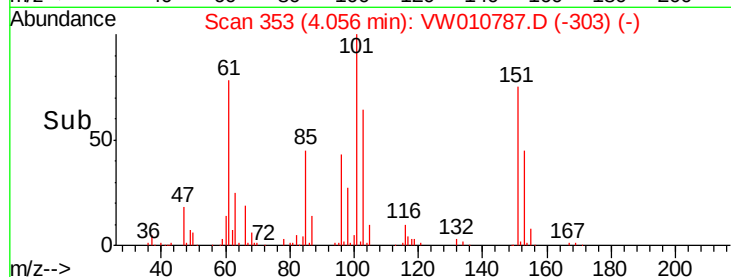
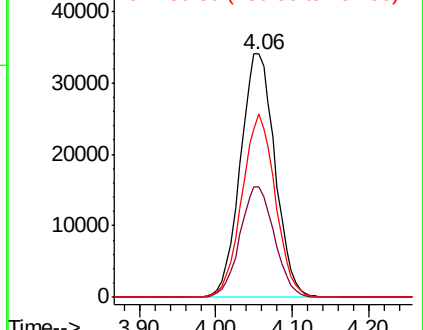
151 72.5 58.1 87.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.704 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

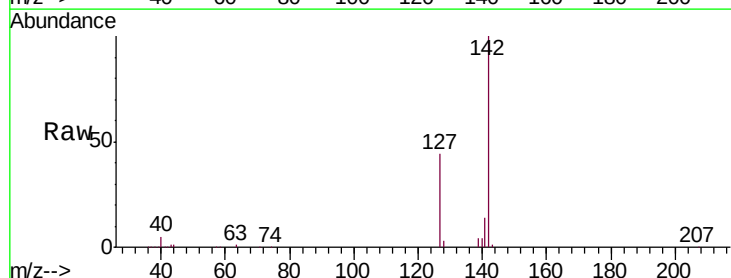
Tgt Ion:142 Resp: 92017

Ion Ratio Lower Upper

142 100

127 44.2 34.6 51.8

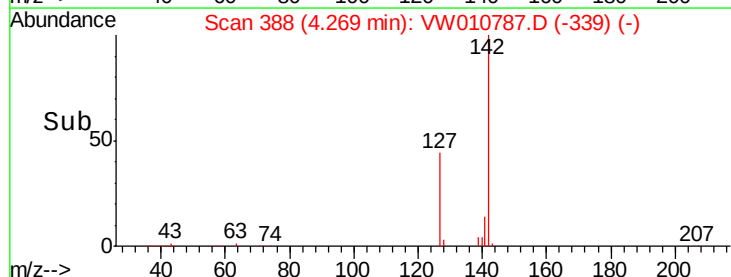
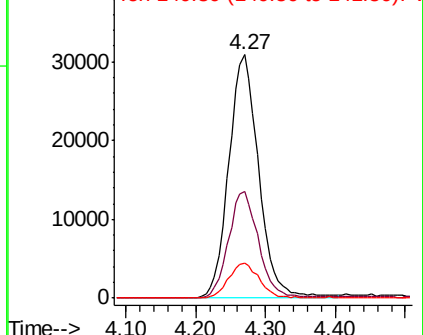
141 14.5 11.6 17.4

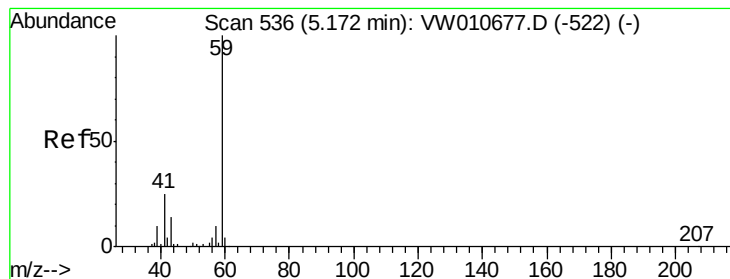


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



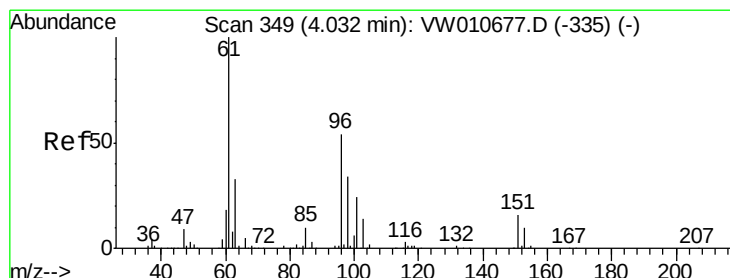
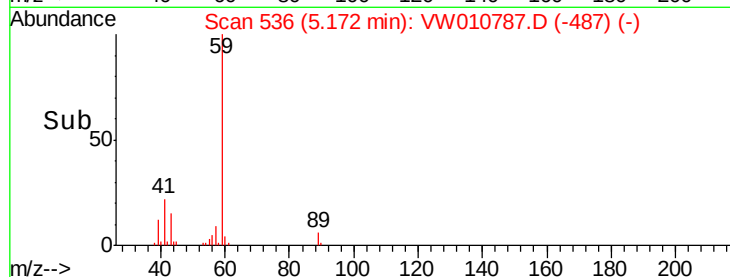
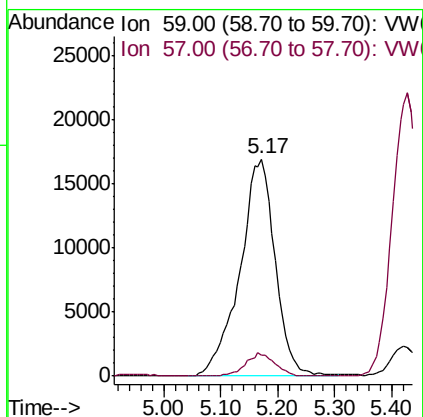
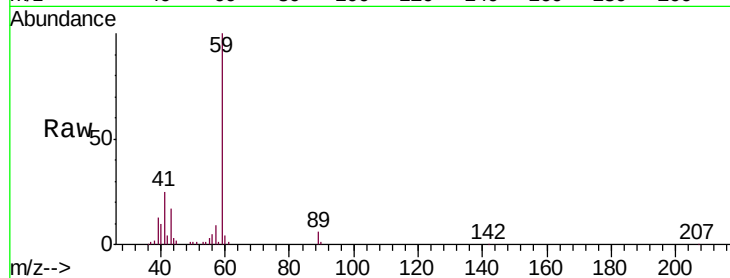


#11

Tert butyl alcohol
 Concen: 339.863 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

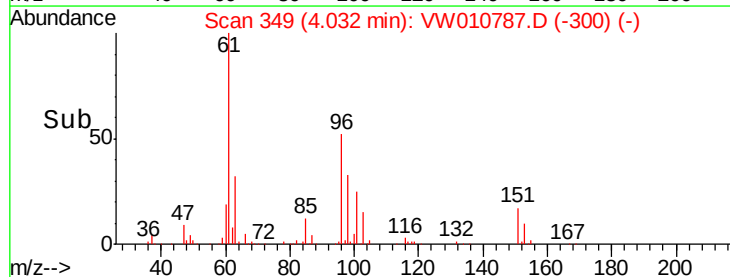
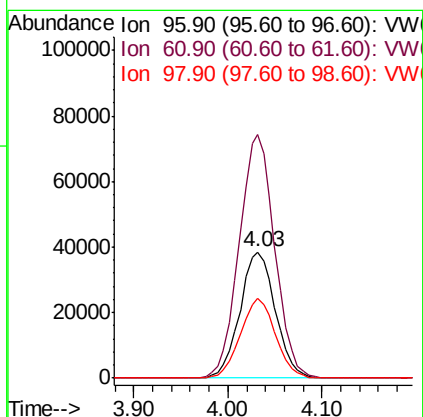
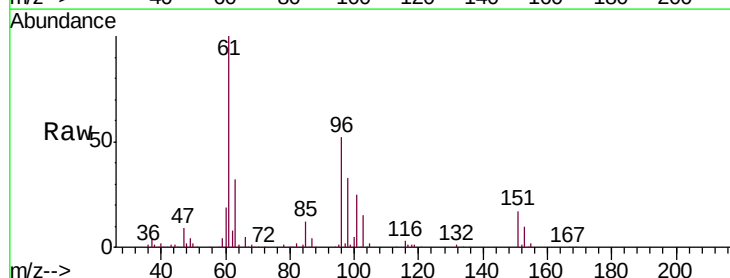
Tgt Ion: 59 Resp: 73214
 Ion Ratio Lower Upper
 59 100
 57 8.8 8.6 12.8

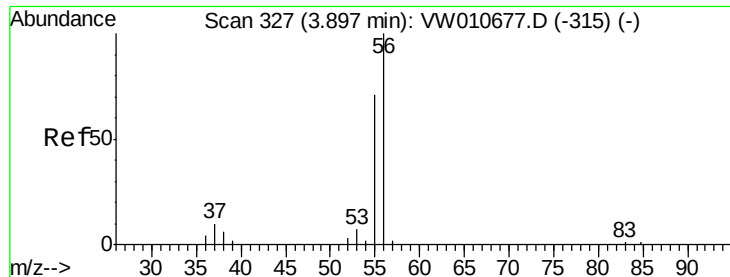


#12

1,1-Dichloroethene
 Concen: 46.681 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 96 Resp: 101277
 Ion Ratio Lower Upper
 96 100
 61 193.0 149.1 223.7
 98 63.5 51.1 76.7

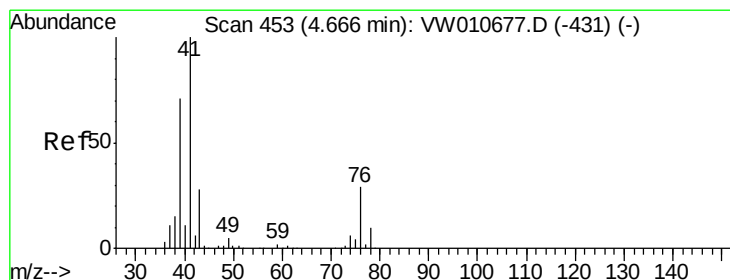
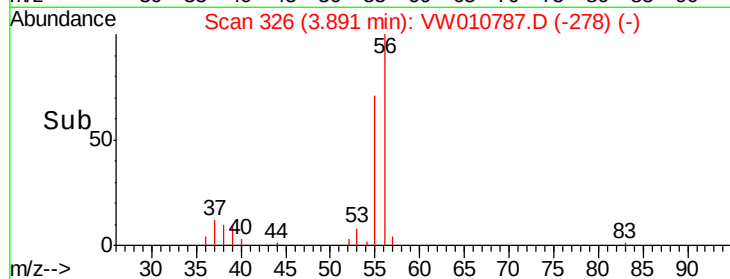
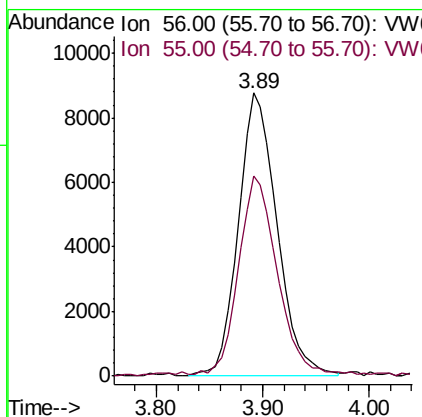
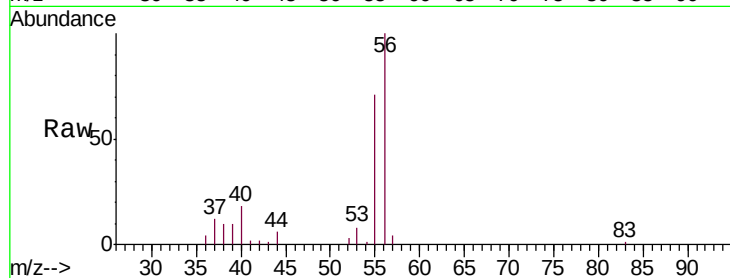




#13
 Acrolein
 Concen: 254.383 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. -0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

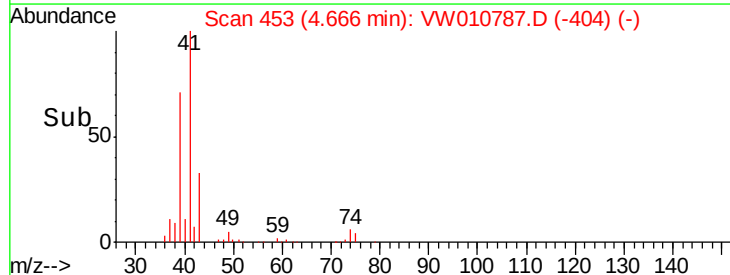
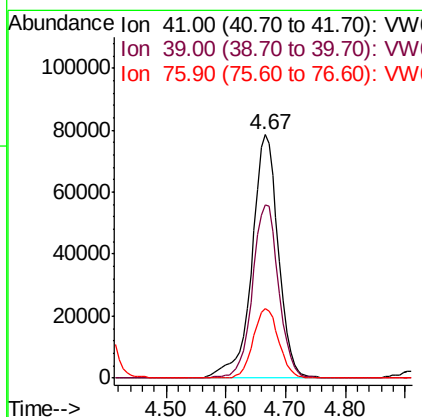
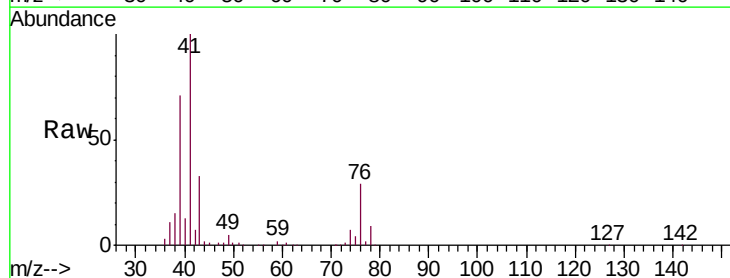
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

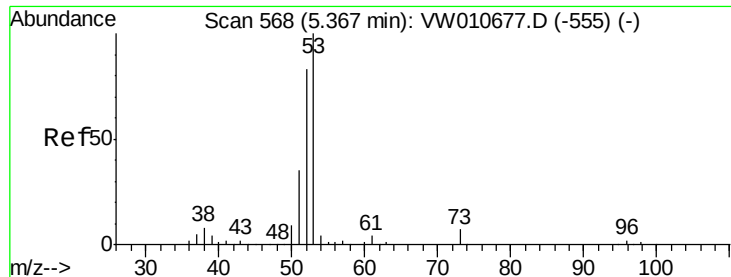
Tgt Ion: 56 Resp: 22393
 Ion Ratio Lower Upper
 56 100
 55 68.8 57.6 86.4



#14
 Allyl chloride
 Concen: 50.450 ug/l
 RT: 4.67 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 41 Resp: 241338
 Ion Ratio Lower Upper
 41 100
 39 71.1 55.8 83.6
 76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 261.981 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

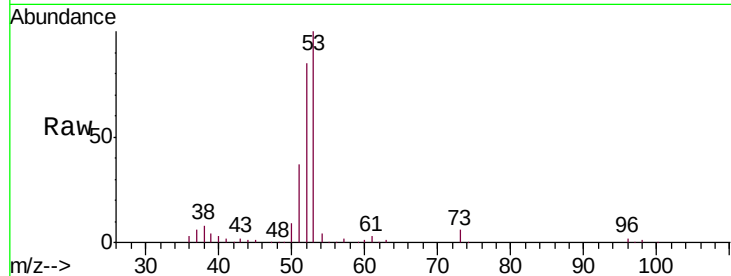
Tgt Ion: 53 Resp: 166386

Ion Ratio Lower Upper

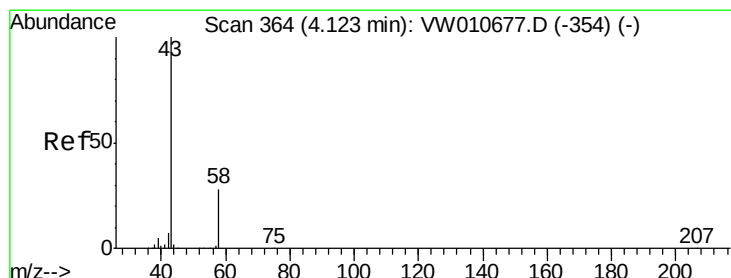
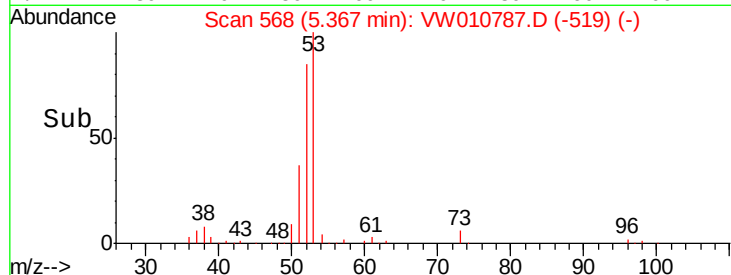
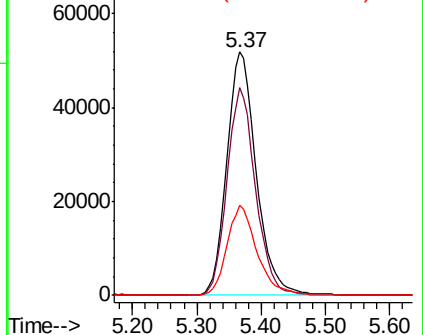
53 100

52 82.9 66.6 100.0

51 37.6 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 267.417 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010787.D

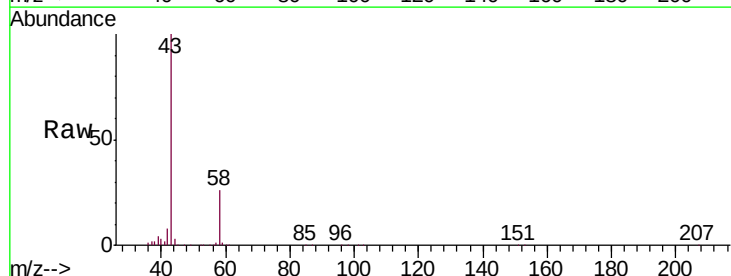
Acq: 12 Jun 2019 19:27

Tgt Ion: 43 Resp: 189472

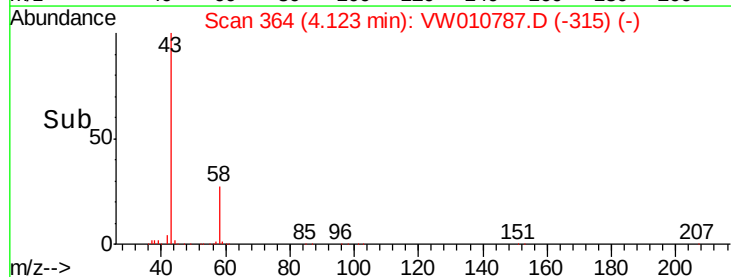
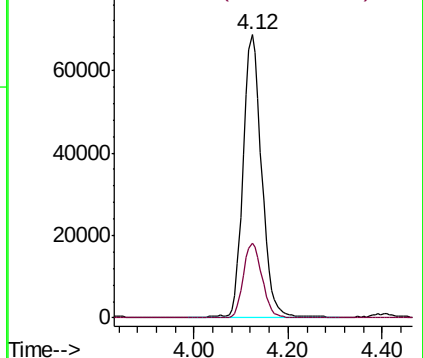
Ion Ratio Lower Upper

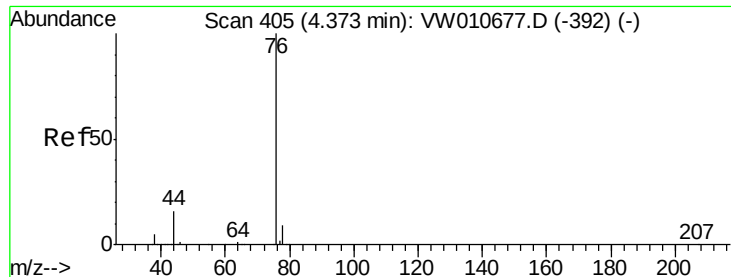
43 100

58 26.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 44.849 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

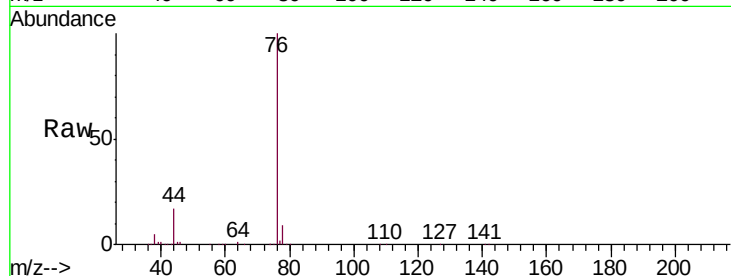
VSTDCCC050EC

Tgt Ion: 76 Resp: 308880

Ion Ratio Lower Upper

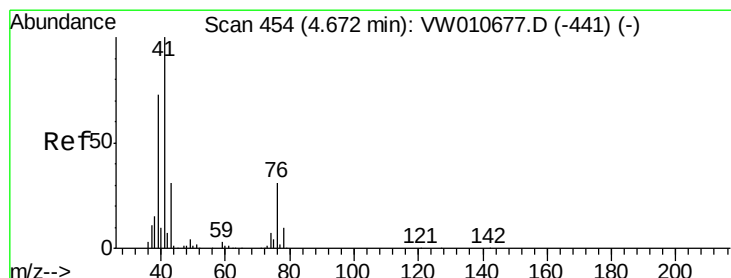
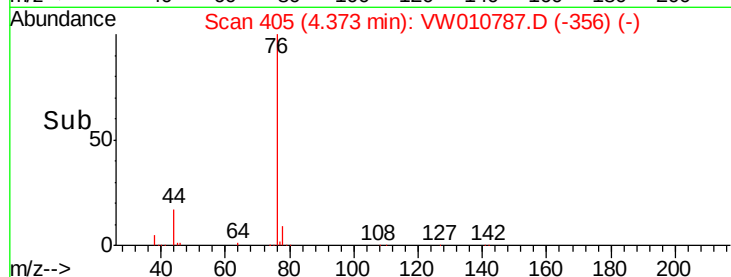
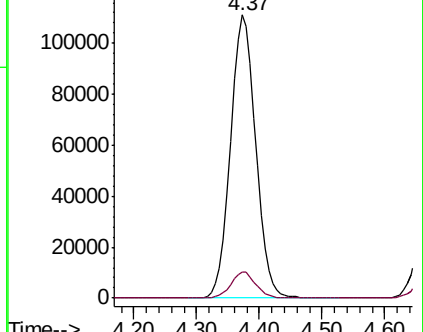
76 100

78 9.1 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 54.580 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010787.D

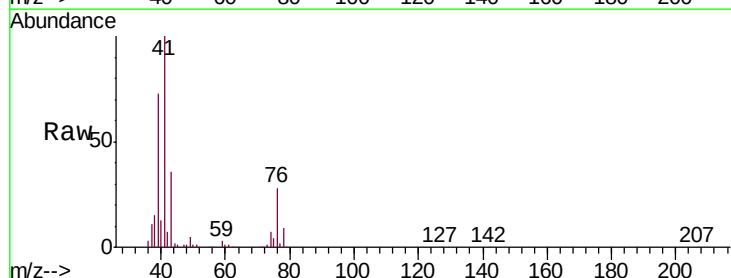
Acq: 12 Jun 2019 19:27

Tgt Ion: 43 Resp: 83244

Ion Ratio Lower Upper

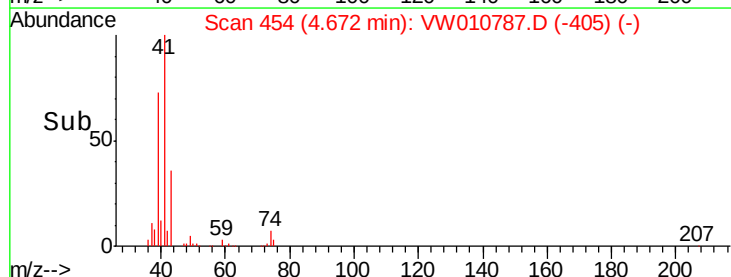
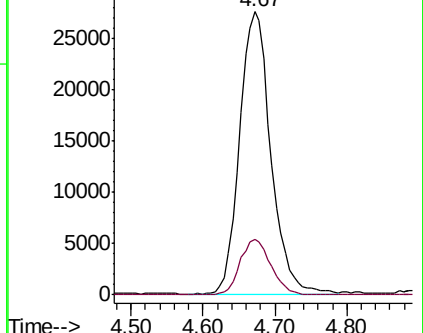
43 100

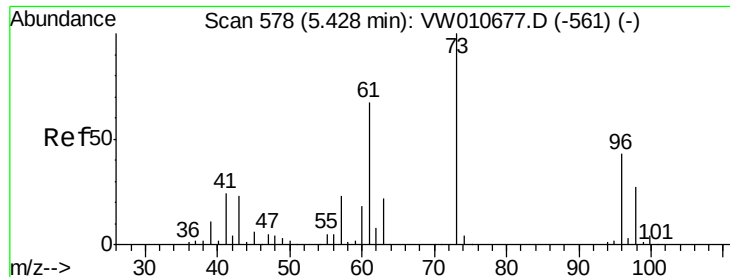
74 19.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

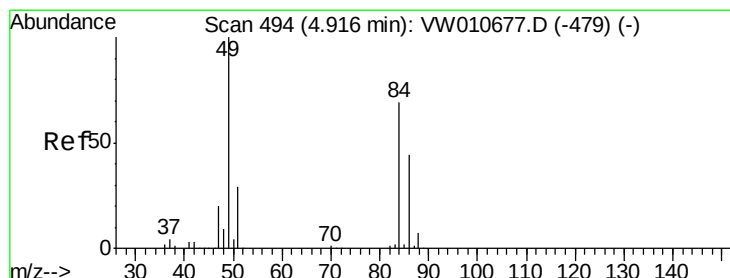
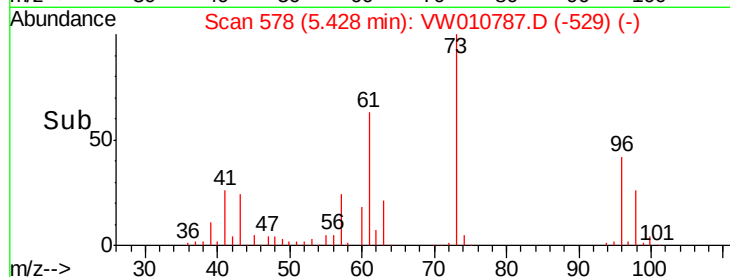
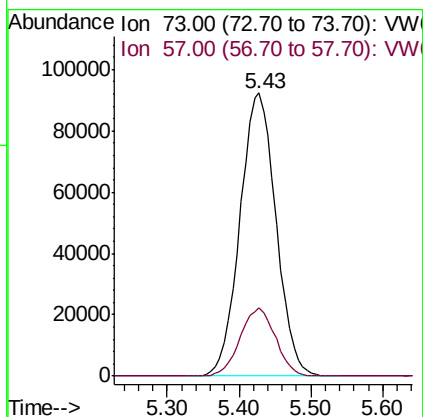
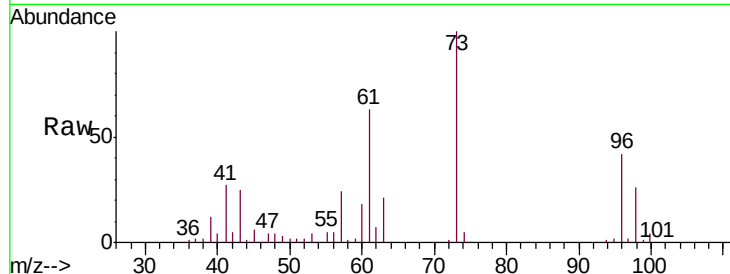




#19
Methyl tert-butyl Ether
Concen: 51.182 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

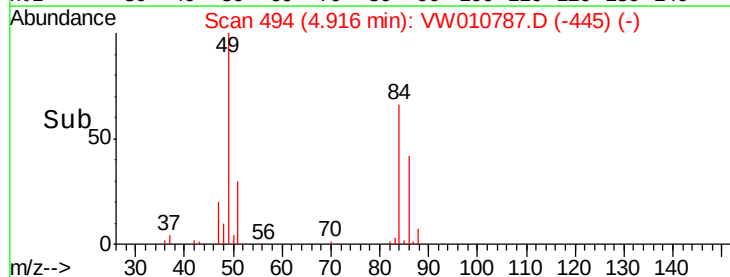
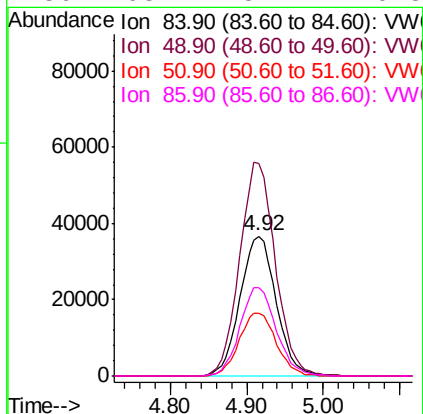
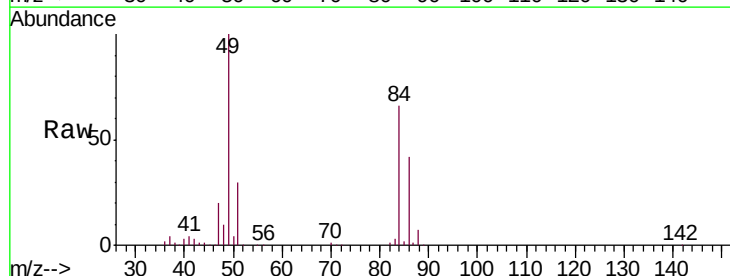
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

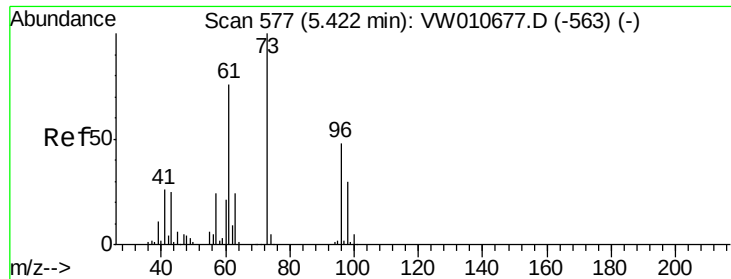
Tgt Ion: 73 Resp: 320259
Ion Ratio Lower Upper
73 100
57 23.9 18.6 27.8



#20
Methylene Chloride
Concen: 48.483 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 84 Resp: 120508
Ion Ratio Lower Upper
84 100
49 152.1 116.7 175.1
51 45.3 34.2 51.2
86 63.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.401 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

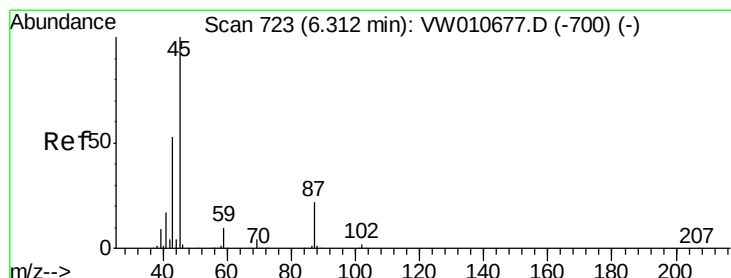
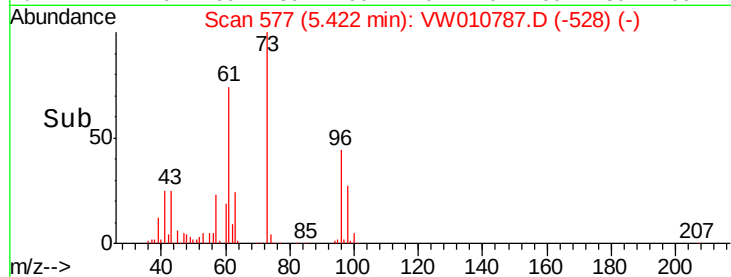
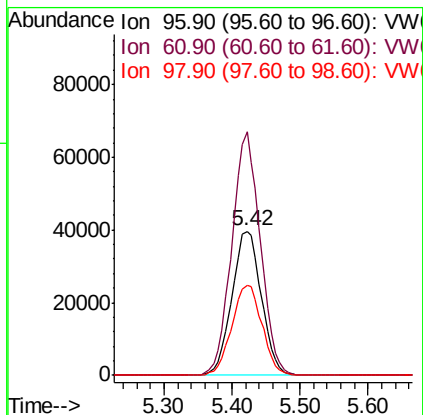
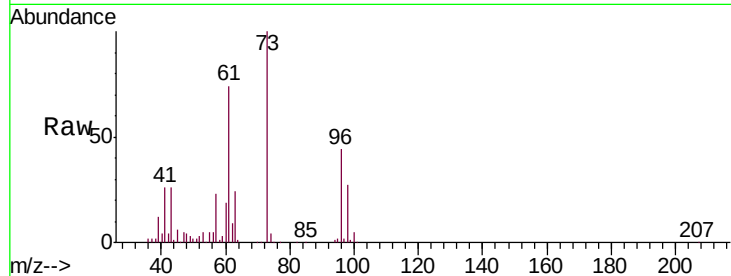
Tgt Ion: 96 Resp: 119206

Ion Ratio Lower Upper

96 100

61 169.1 126.0 189.0

98 62.3 49.6 74.4



#22

Diisopropyl ether

Concen: 52.052 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Tgt Ion: 45 Resp: 498509

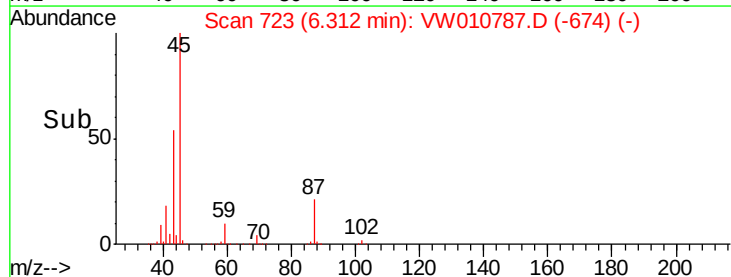
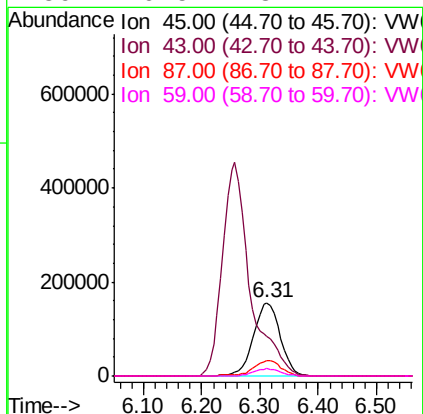
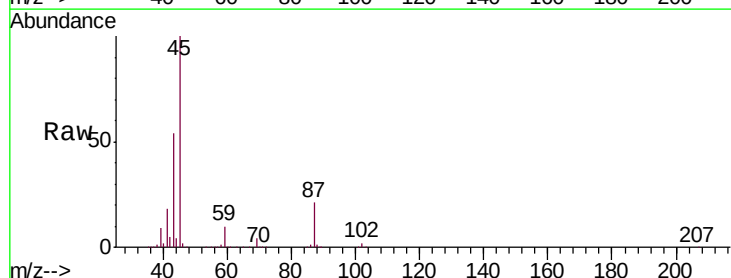
Ion Ratio Lower Upper

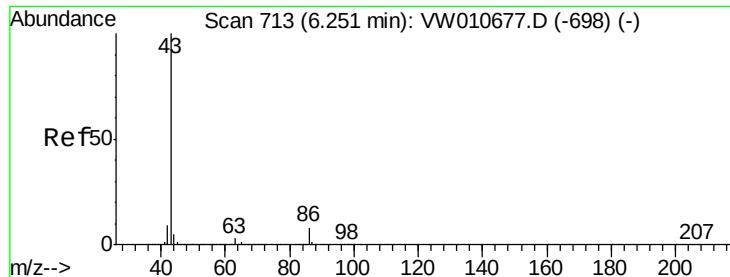
45 100

43 54.2 42.5 63.7

87 21.0 17.4 26.2

59 10.5 8.1 12.1

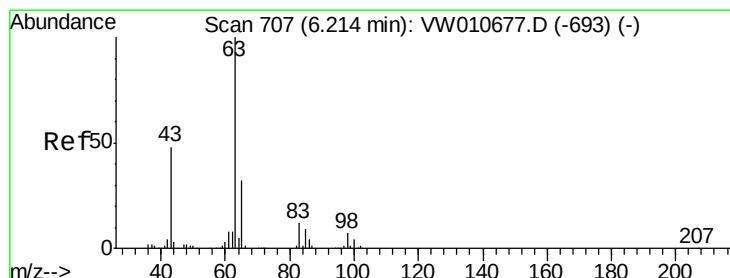
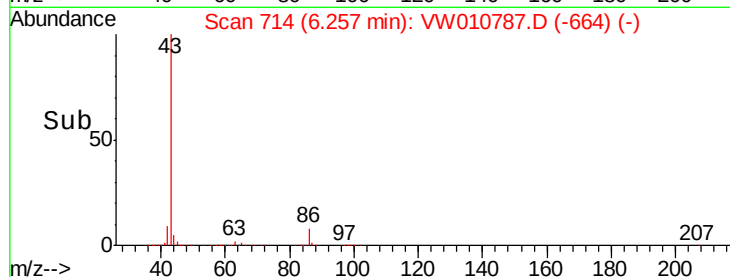
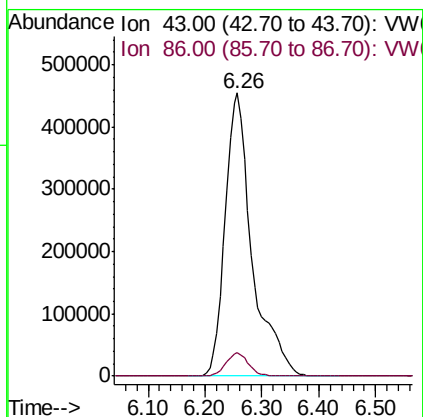
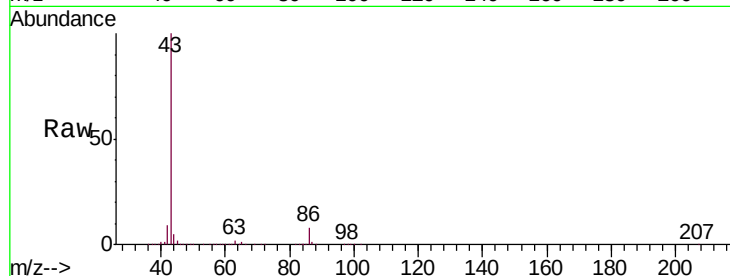




#23
 Vinyl Acetate
 Concen: 259.458 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

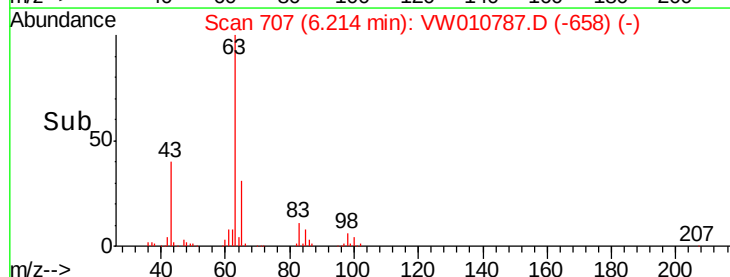
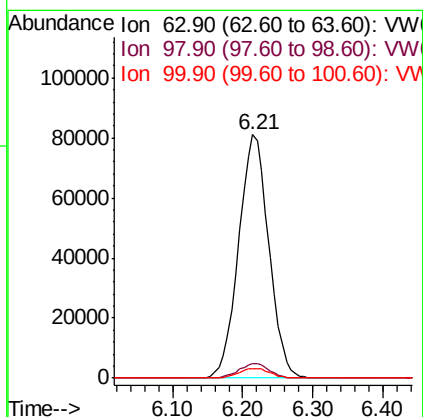
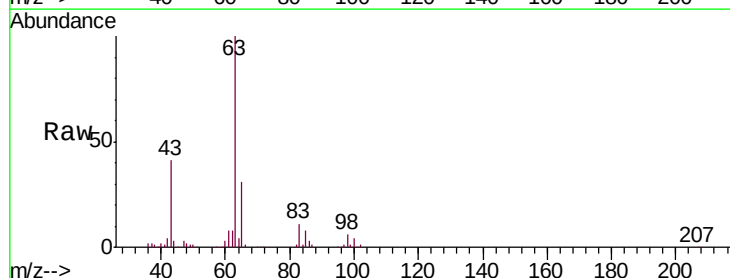
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

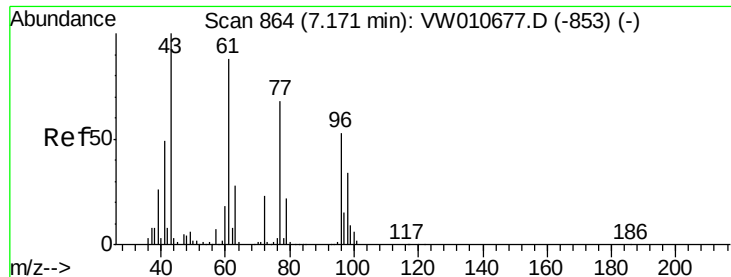
Tgt Ion: 43 Resp: 1499602
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.6 10.0



#24
 1,1-Dichloroethane
 Concen: 50.526 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 63 Resp: 242498
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 272.951 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

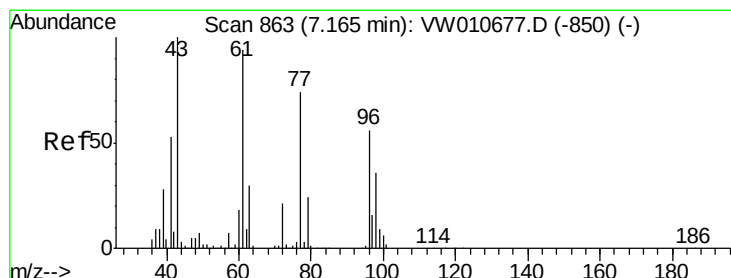
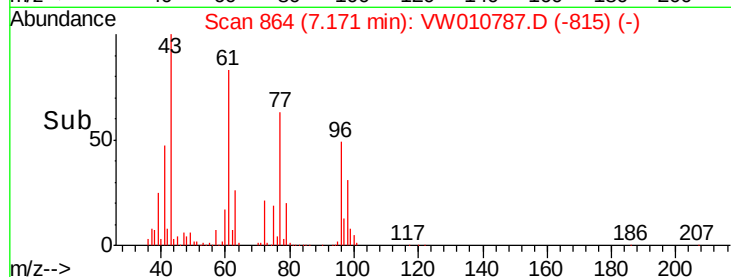
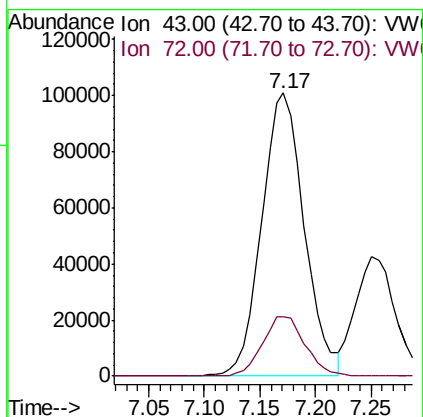
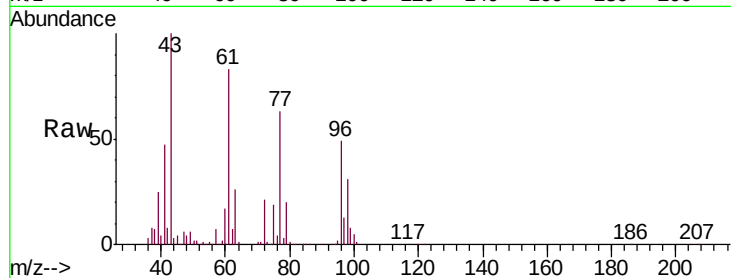
VSTDCCC050EC

Tgt Ion: 43 Resp: 268166

Ion Ratio Lower Upper

43 100

72 20.8 18.1 27.1



#26

2,2-Dichloropropane

Concen: 49.840 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010787.D

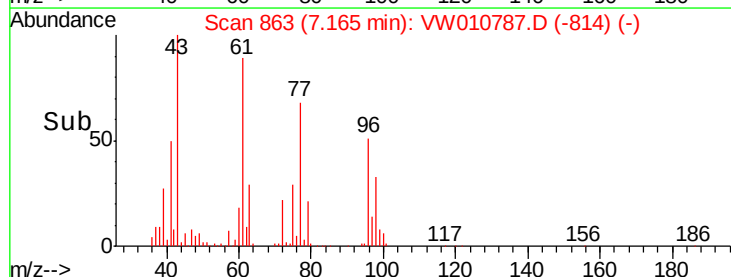
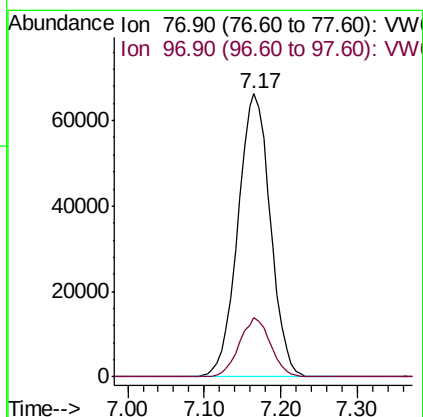
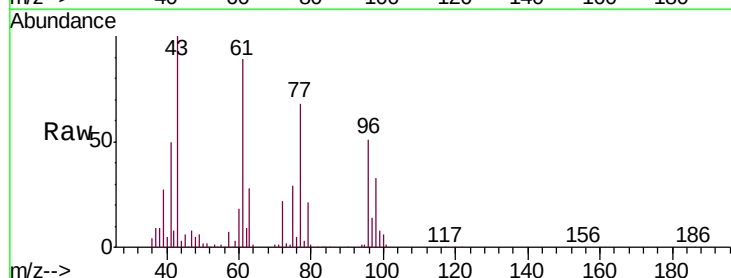
Acq: 12 Jun 2019 19:27

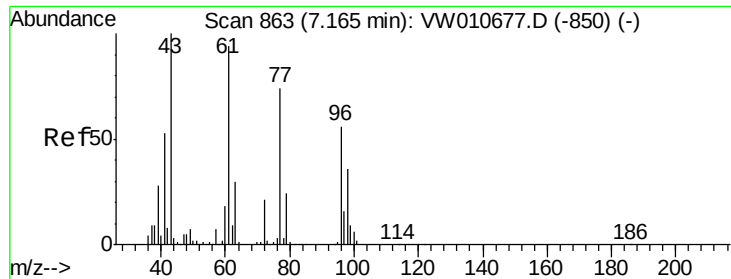
Tgt Ion: 77 Resp: 194652

Ion Ratio Lower Upper

77 100

97 20.1 10.5 31.6



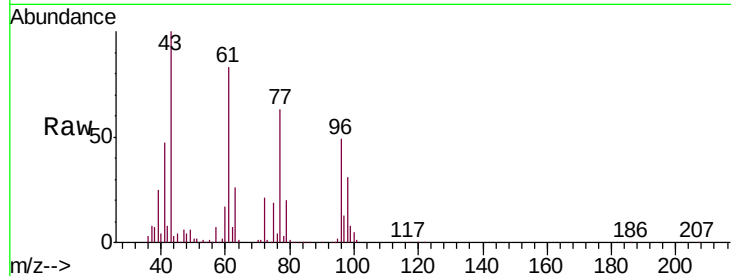


#27

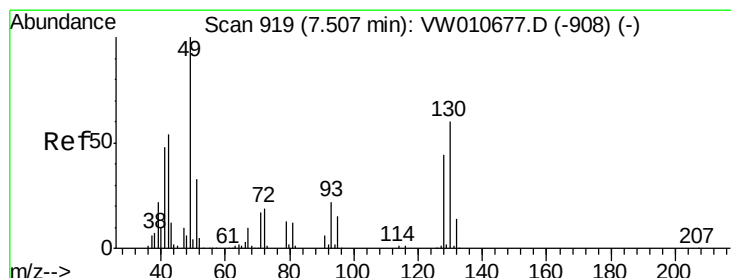
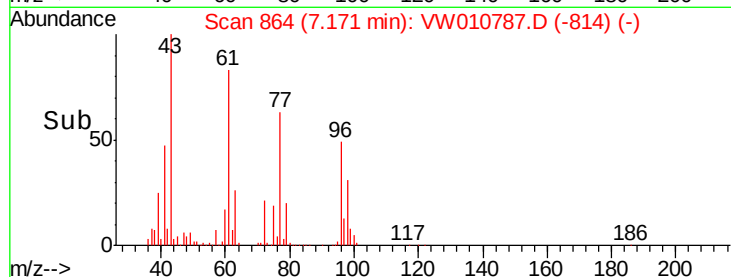
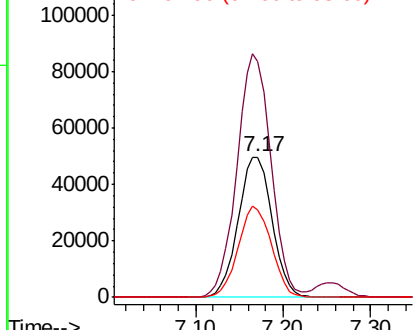
cis-1,2-Dichloroethene
 Concen: 49.458 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 134051
 Ion Ratio Lower Upper
 96 100
 61 173.6 0.0 336.4
 98 63.8 0.0 128.0



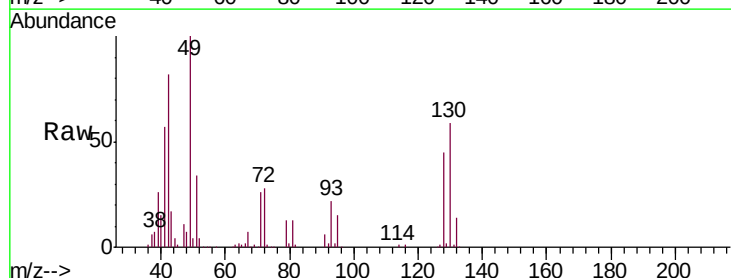
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



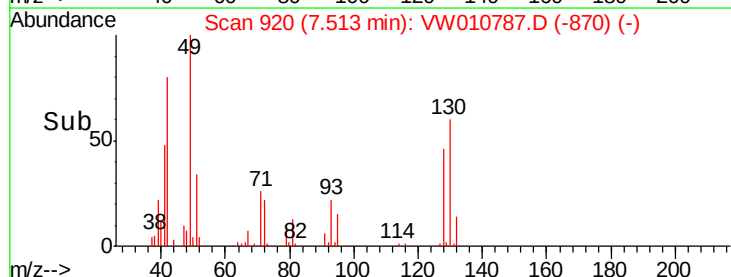
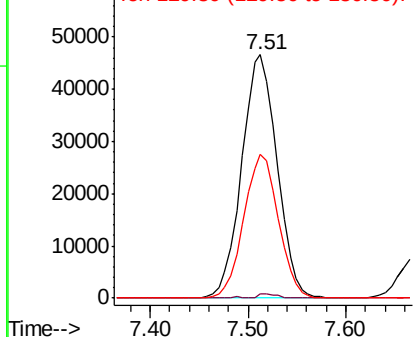
#28

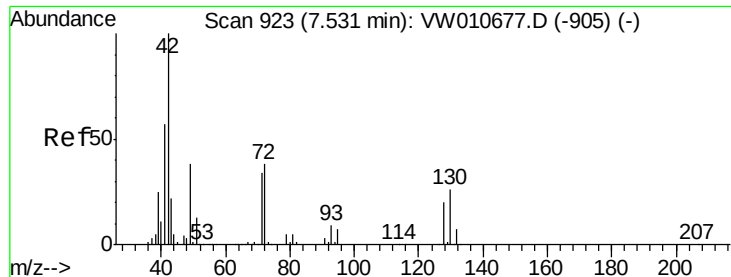
Bromochloromethane
 Concen: 54.435 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 49 Resp: 116595
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.2
 130 58.0 48.3 72.5



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

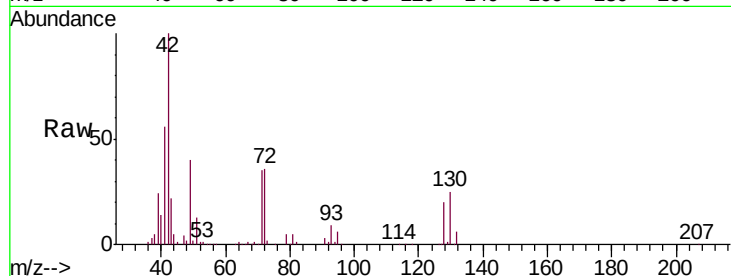




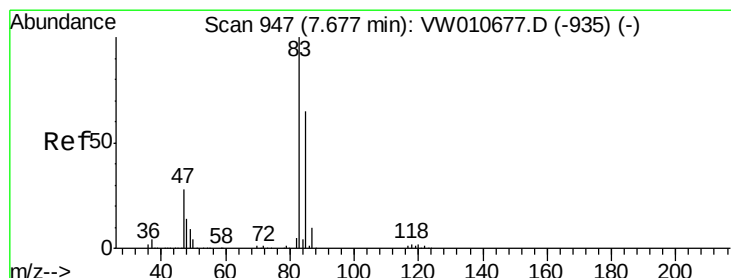
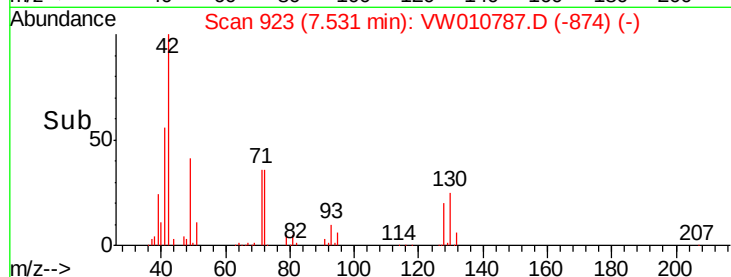
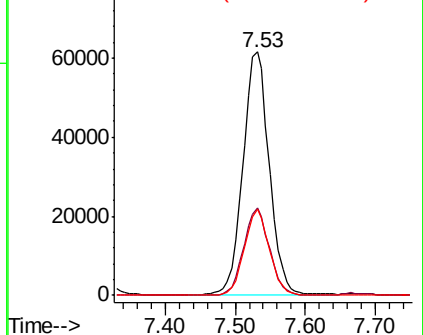
#29
Tetrahydrofuran
Concen: 261.134 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 161372
Ion Ratio Lower Upper
42 100
72 34.9 28.7 43.1
71 33.5 26.6 39.8

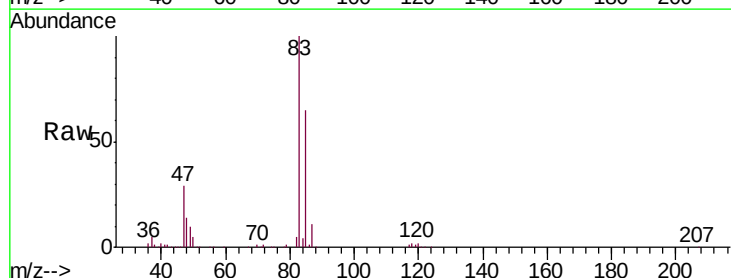


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

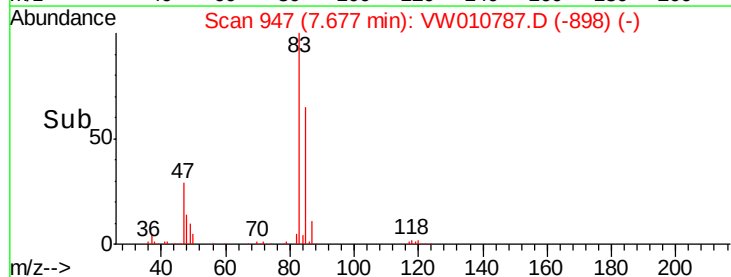
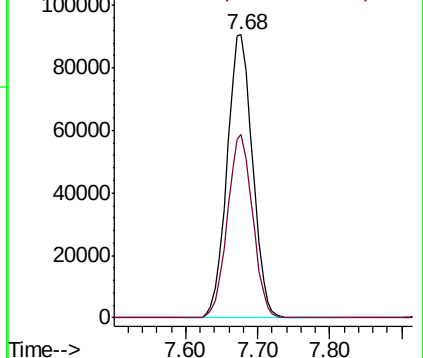


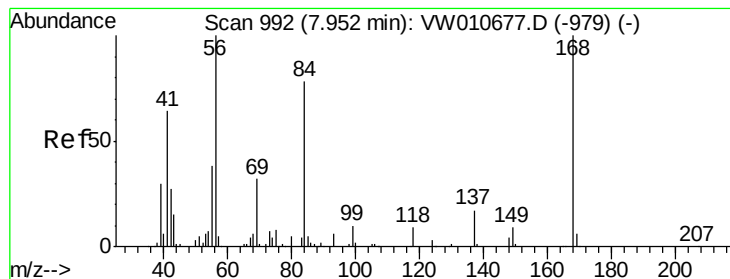
#30
Chloroform
Concen: 50.792 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 83 Resp: 222975
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 45.349 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

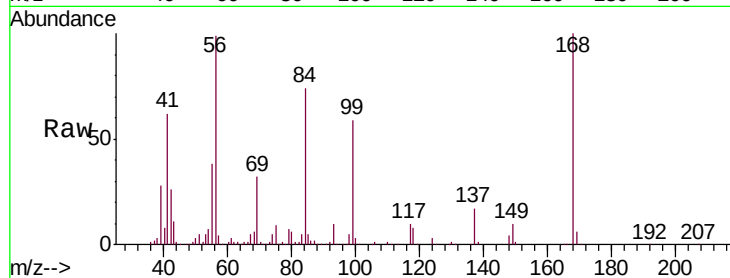
Tgt Ion: 56 Resp: 241947

Ion Ratio Lower Upper

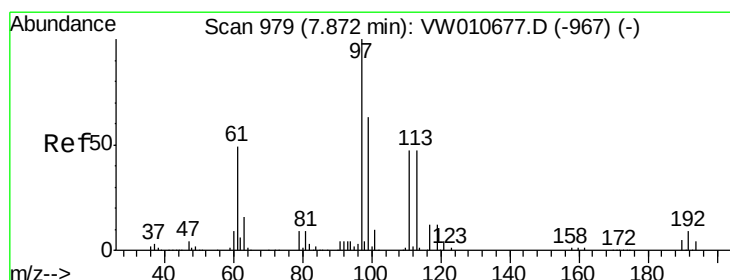
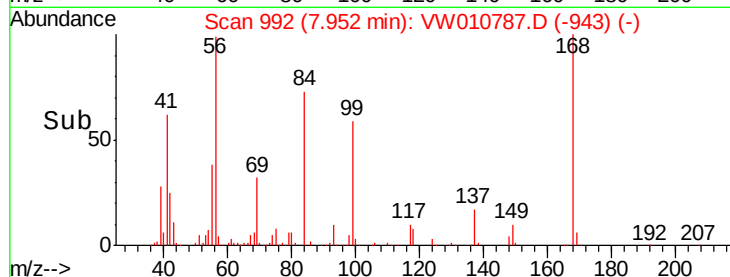
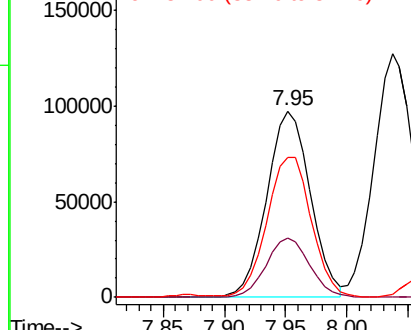
56 100

69 32.2 25.2 37.8

84 73.3 62.2 93.2



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



#32

1,1,1-Trichloroethane

Concen: 50.077 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

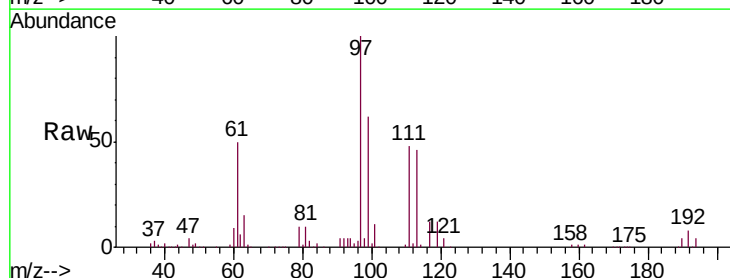
Tgt Ion: 97 Resp: 192035

Ion Ratio Lower Upper

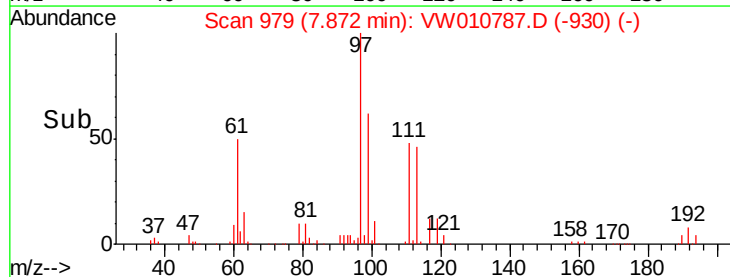
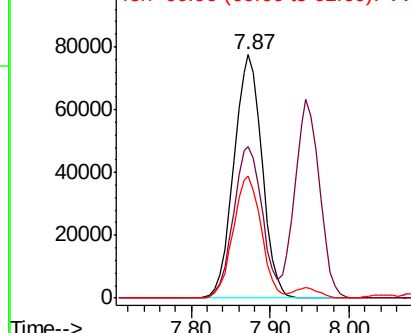
97 100

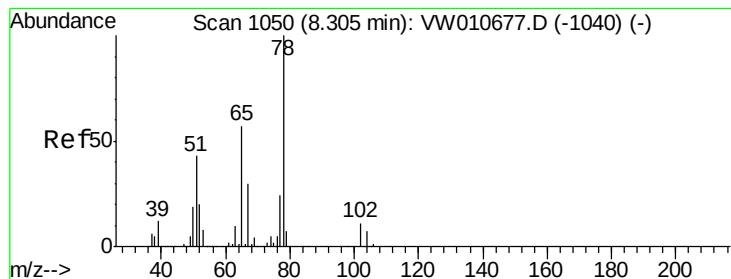
99 63.6 51.3 76.9

61 50.3 40.4 60.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 54.147 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

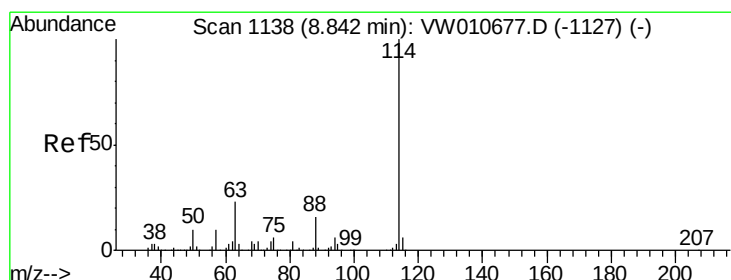
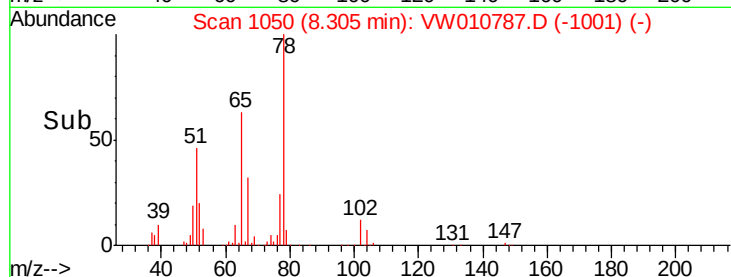
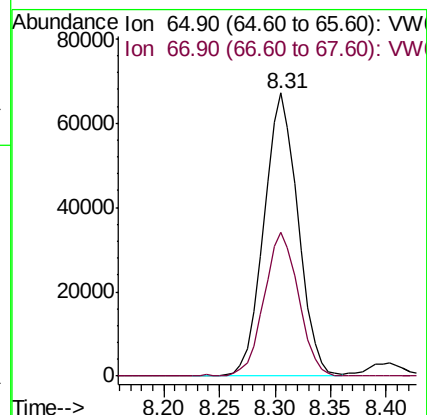
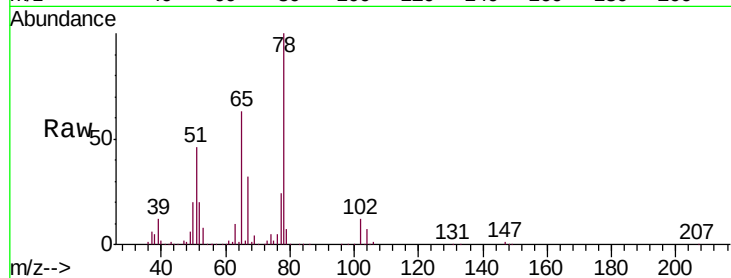
VSTDCCC050EC

Tgt Ion: 65 Resp: 143179

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

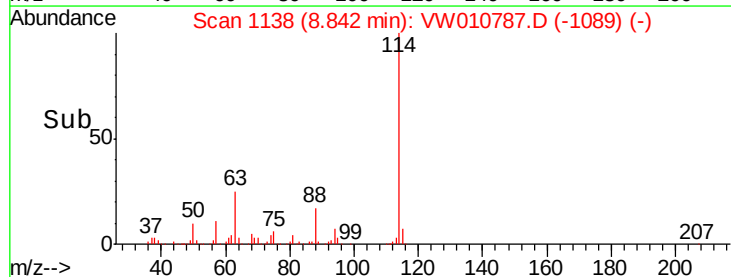
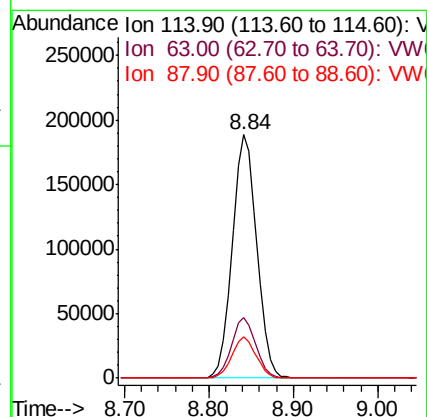
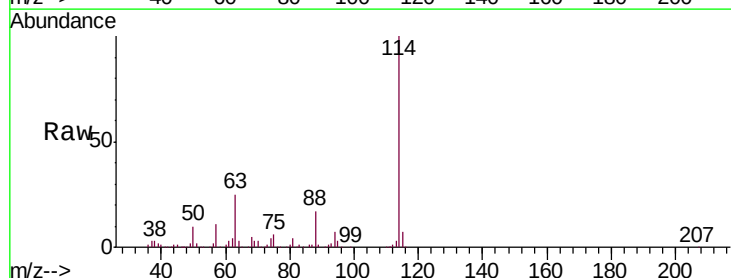
Tgt Ion: 114 Resp: 370059

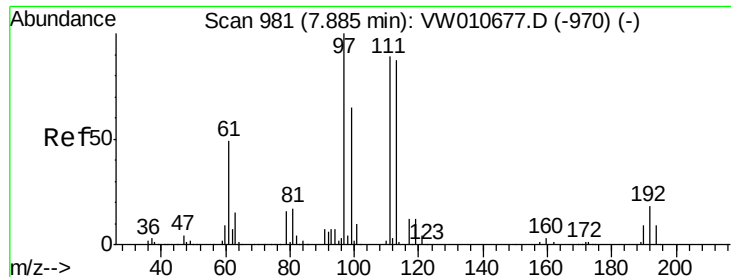
Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.4

88 16.9 0.0 32.2

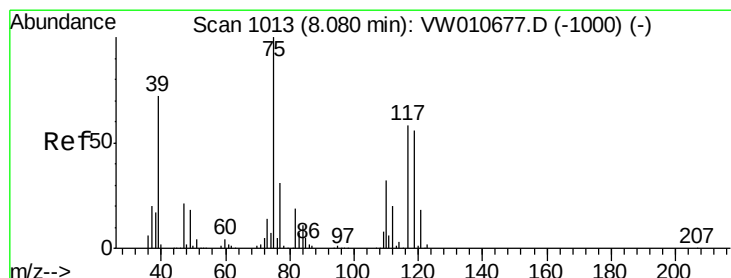
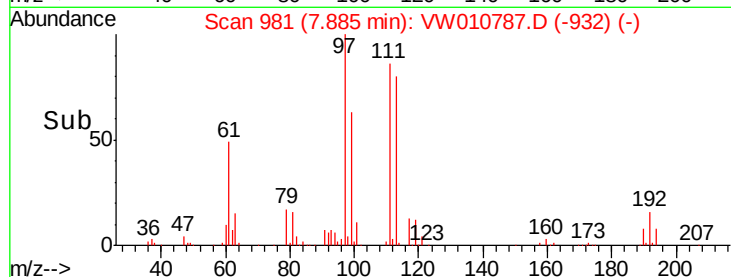
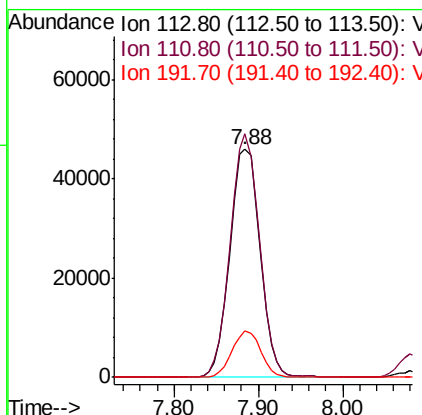
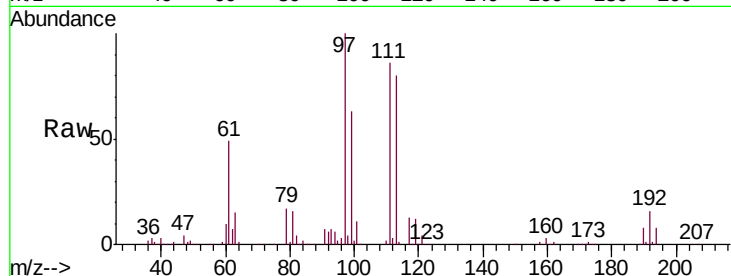




#35
 Dibromofluoromethane
 Concen: 55.649 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

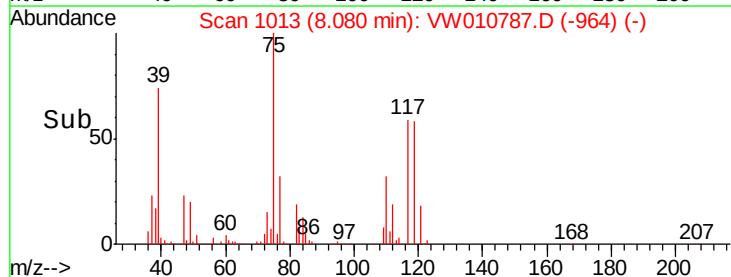
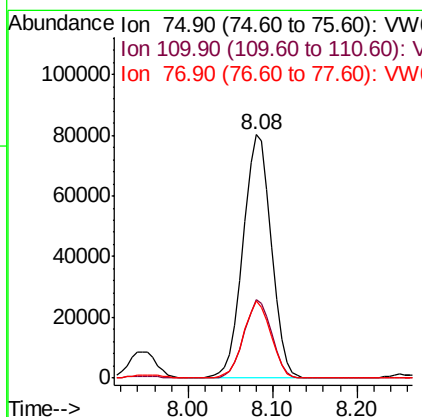
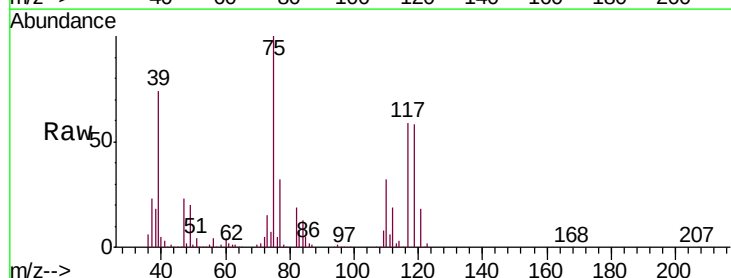
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

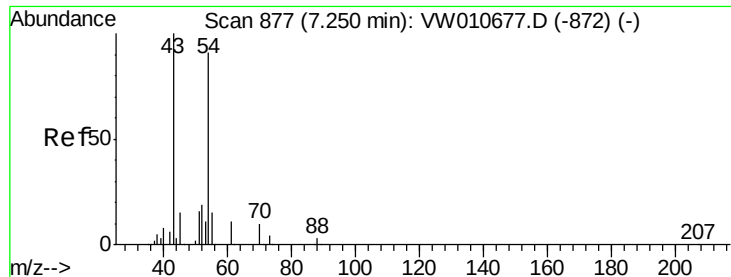
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	19.3	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 47.997 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.8	47.3
77	31.0	24.7	37.1

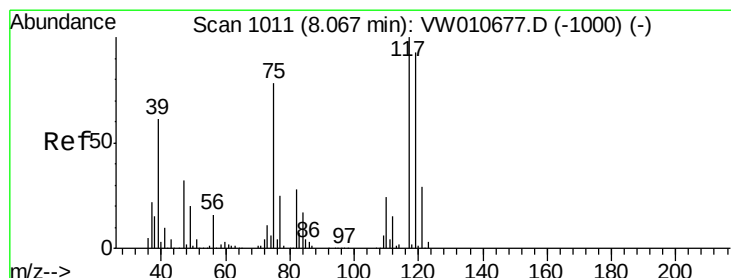
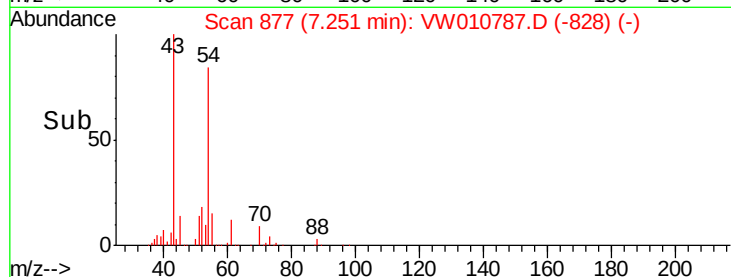
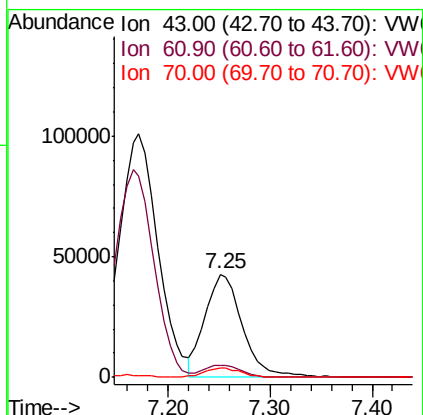
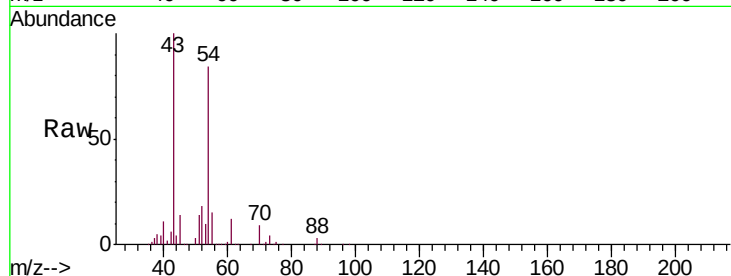




#37
Ethyl Acetate
Concen: 51.346 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

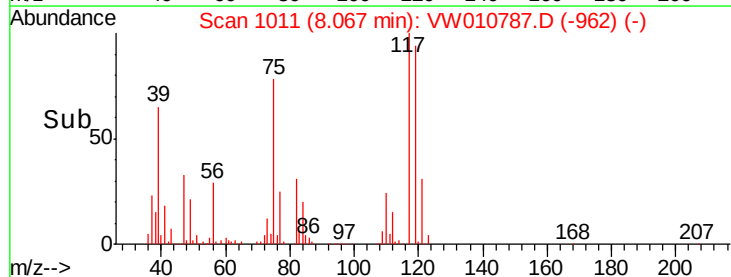
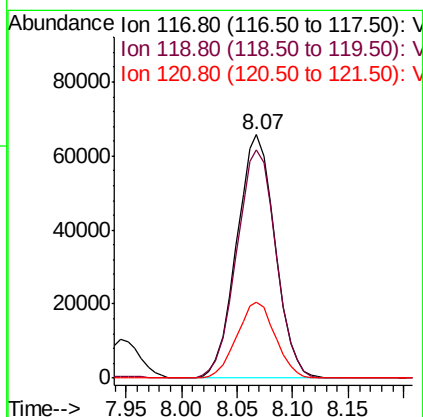
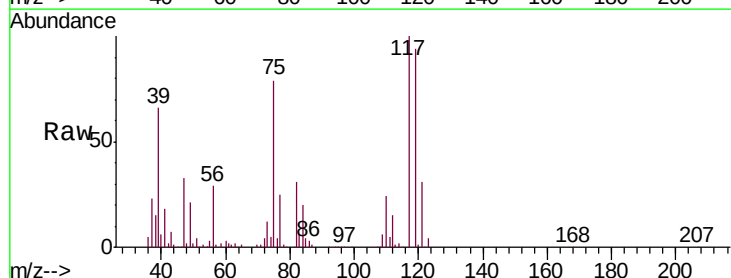
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

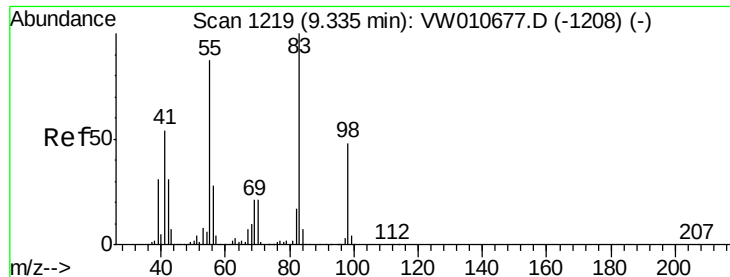
Tgt Ion: 43 Resp: 107779
Ion Ratio Lower Upper
43 100
61 11.7 9.7 14.5
70 8.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 48.169 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 117 Resp: 157512
Ion Ratio Lower Upper
117 100
119 93.9 74.2 111.4
121 31.3 22.9 34.3

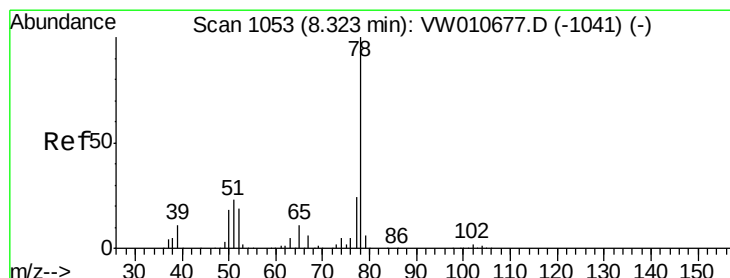
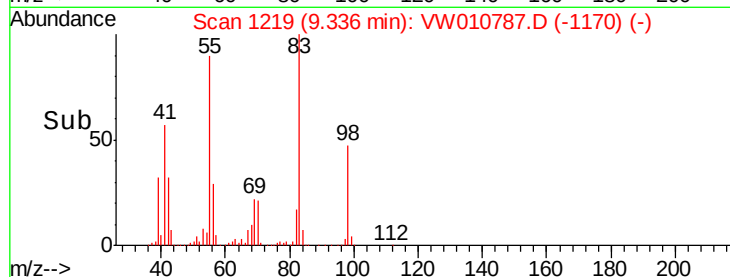
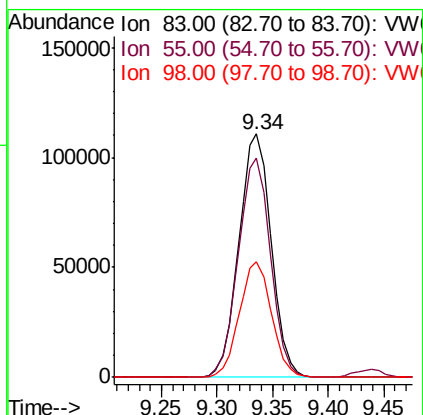
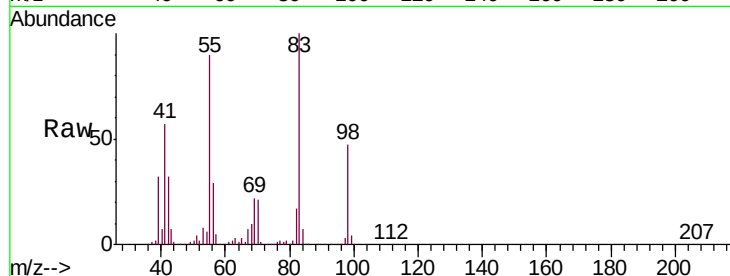




#39
Methylcyclohexane
Concen: 46.365 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

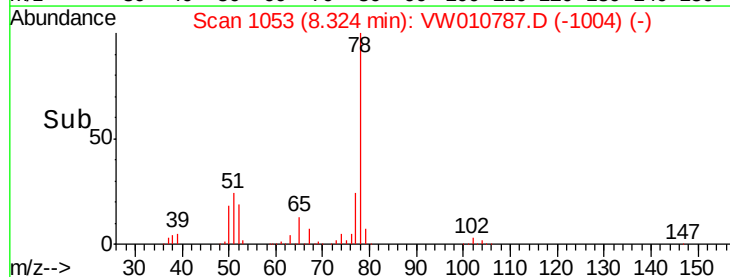
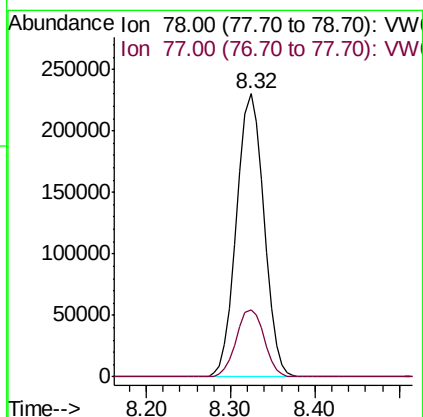
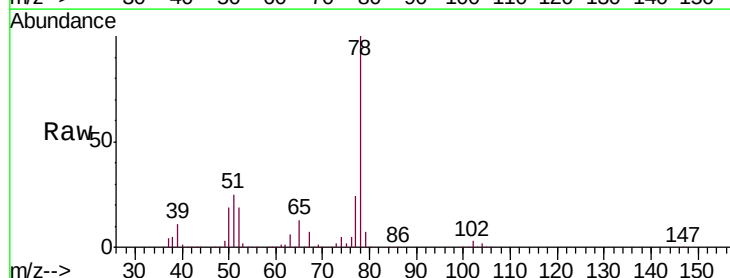
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

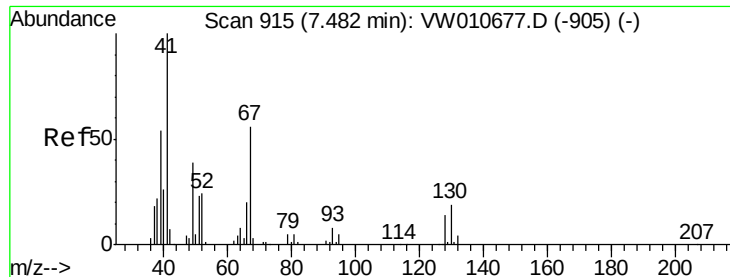
Tgt Ion: 83 Resp: 223264
Ion Ratio Lower Upper
83 100
55 90.1 70.0 105.0
98 47.3 38.1 57.1



#40
Benzene
Concen: 48.958 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 78 Resp: 505922
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7





#41

Methacrylonitrile

Concen: 51.557 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 64327

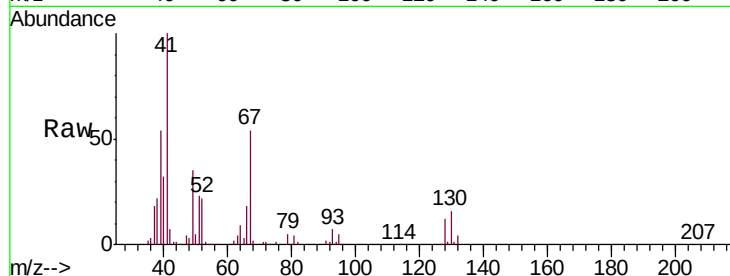
Ion Ratio Lower Upper

41 100

39 61.2 47.3 70.9

67 57.9 47.2 70.8

52 26.8 21.3 31.9

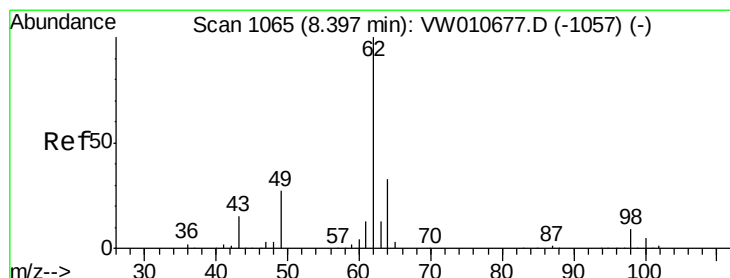
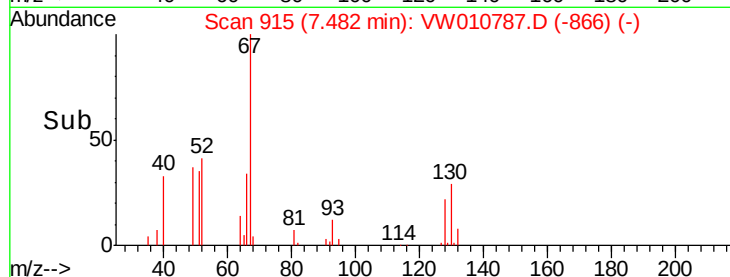
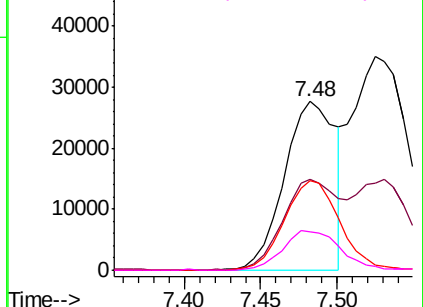


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 51.094 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010787.D

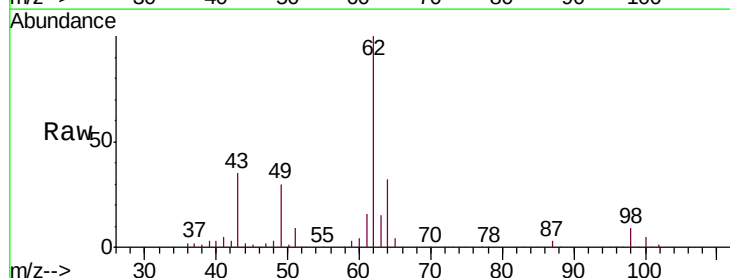
Acq: 12 Jun 2019 19:27

Tgt Ion: 62 Resp: 167574

Ion Ratio Lower Upper

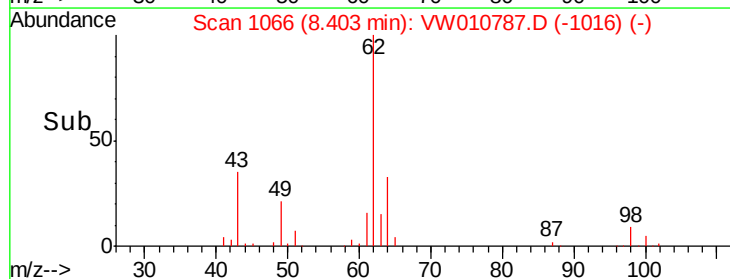
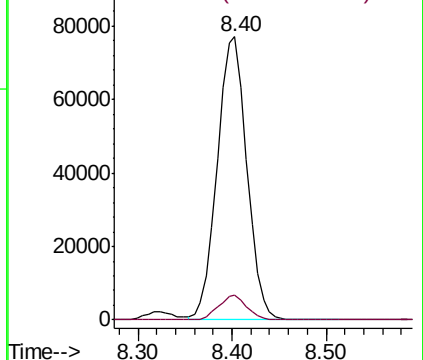
62 100

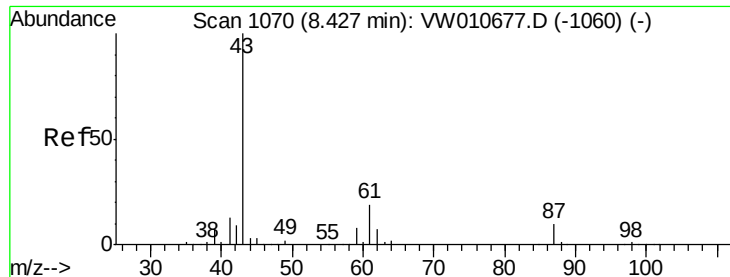
98 8.2 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.372 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

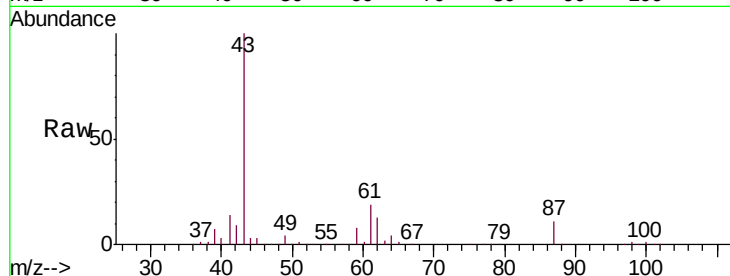
Tgt Ion: 43 Resp: 212383

Ion Ratio Lower Upper

43 100

61 25.6 21.2 31.8

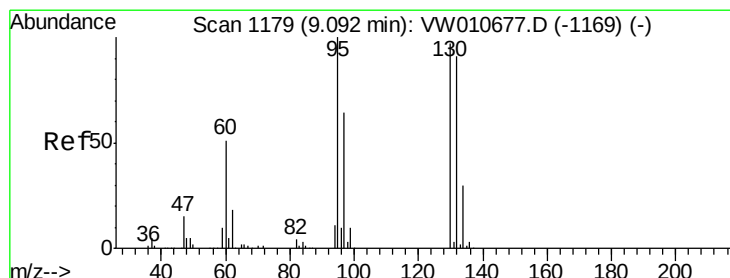
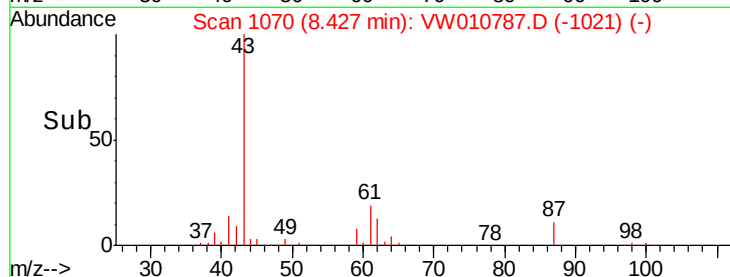
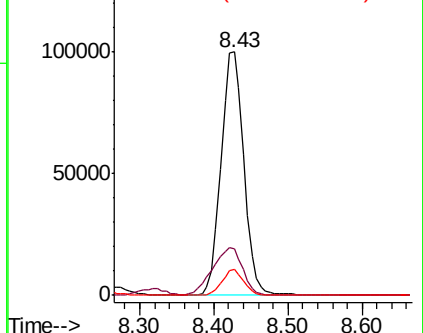
87 10.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 48.400 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010787.D

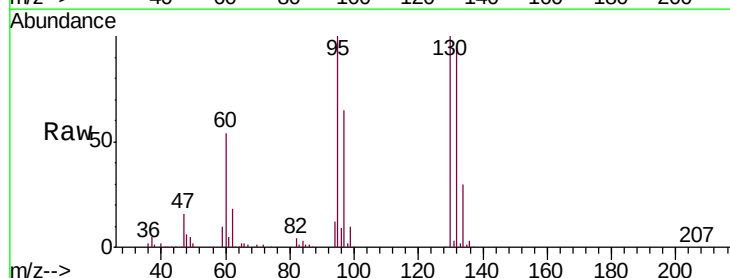
Acq: 12 Jun 2019 19:27

Tgt Ion: 130 Resp: 123376

Ion Ratio Lower Upper

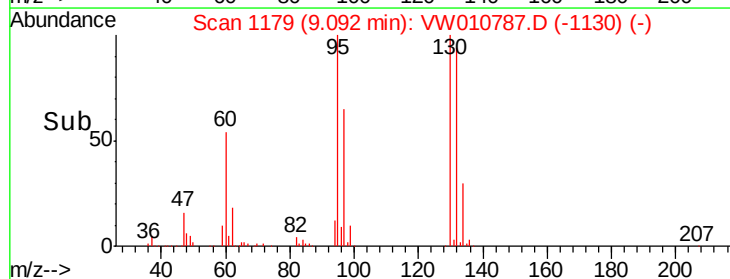
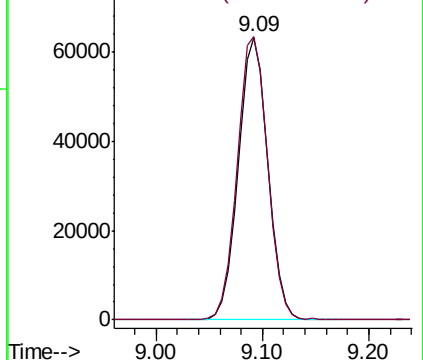
130 100

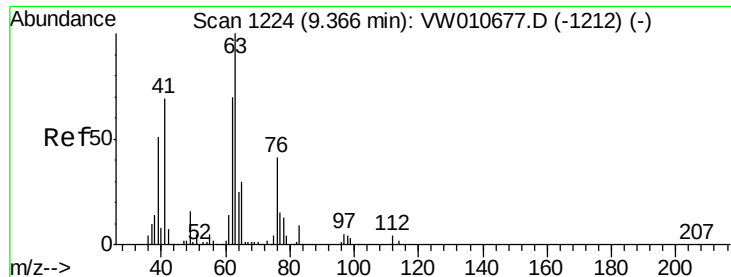
95 100.1 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

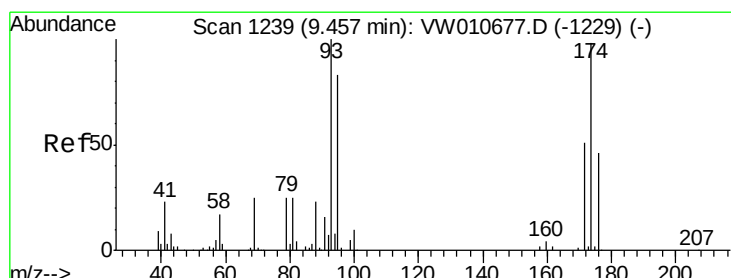
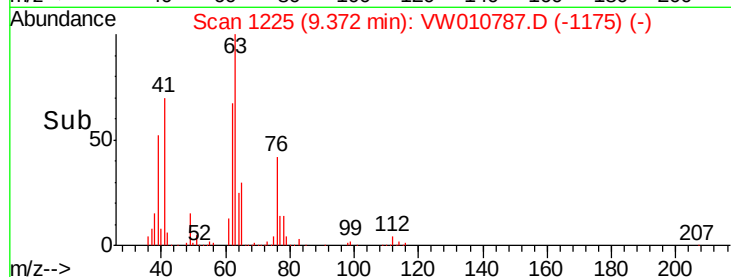
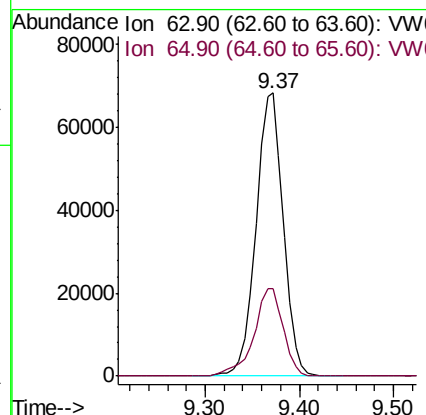
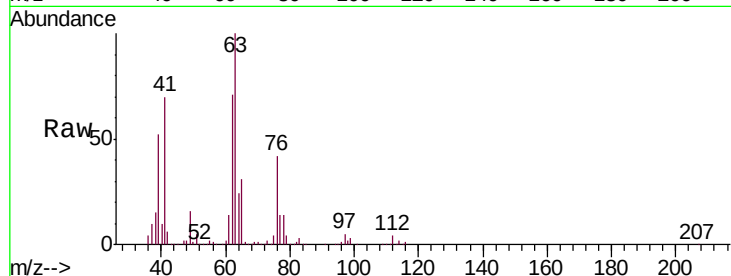




#45
 1,2-Dichloropropane
 Concen: 50.847 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

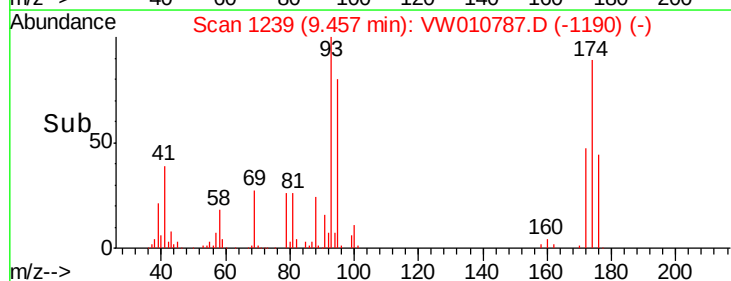
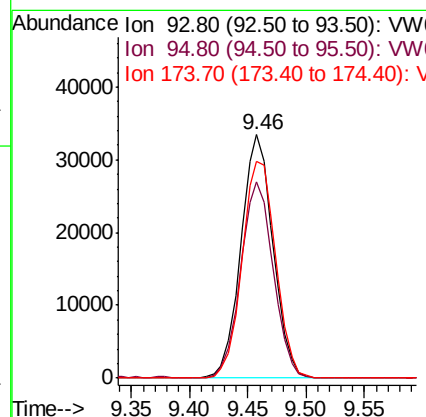
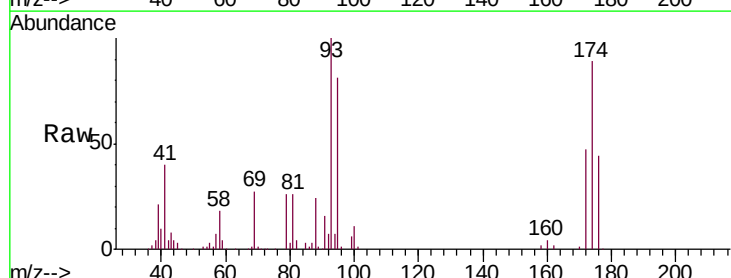
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

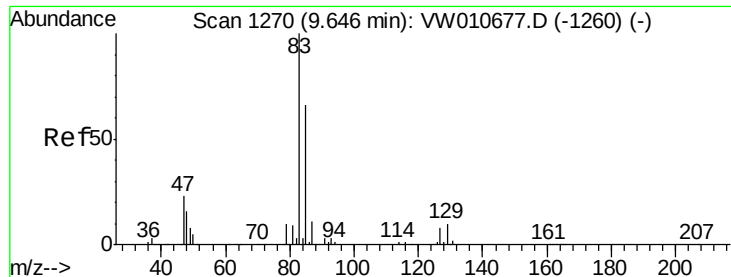
Tgt Ion: 63 Resp: 139093
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 50.584 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 93 Resp: 64271
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.8 98.8
 174 93.1 77.4 116.0





#47

Bromodichloromethane

Concen: 51.142 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

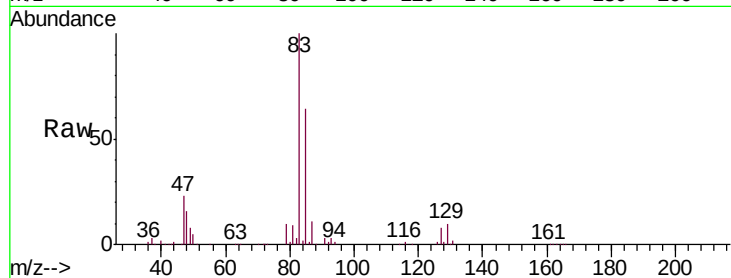
Tgt Ion: 83 Resp: 168438

Ion Ratio Lower Upper

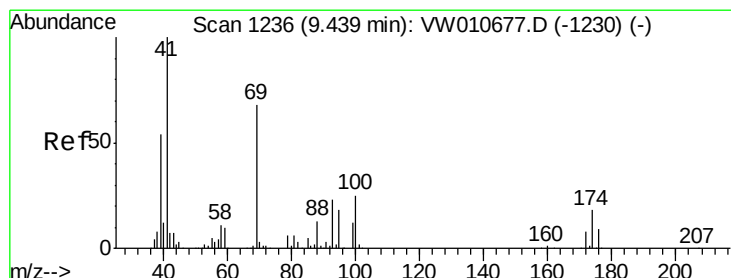
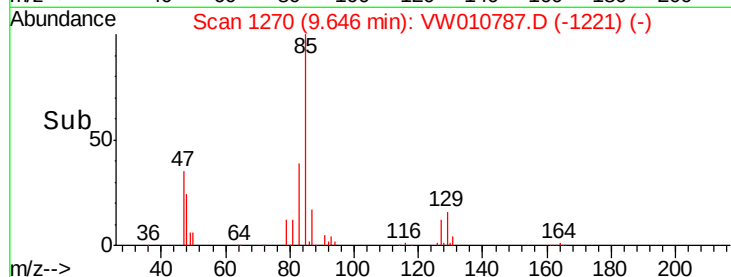
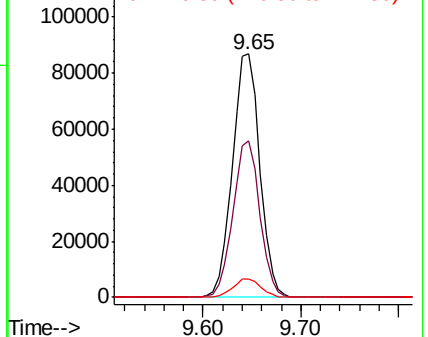
83 100

85 64.1 53.0 79.4

127 7.7 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 52.575 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

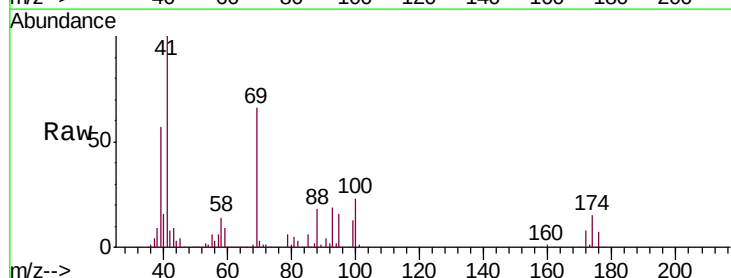
Tgt Ion: 41 Resp: 102796

Ion Ratio Lower Upper

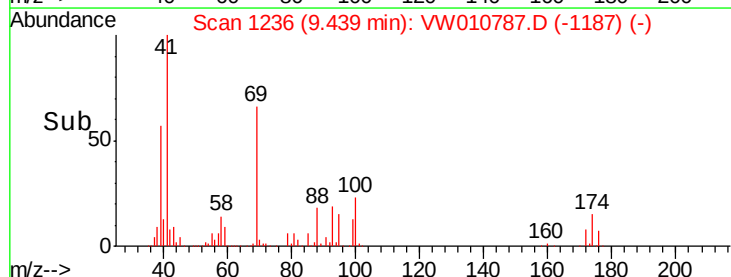
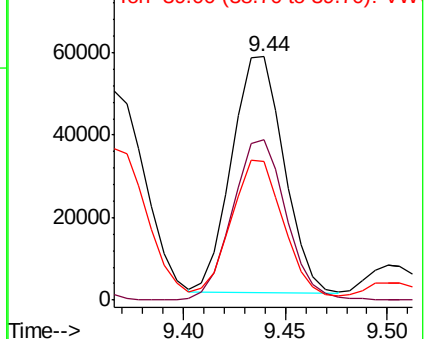
41 100

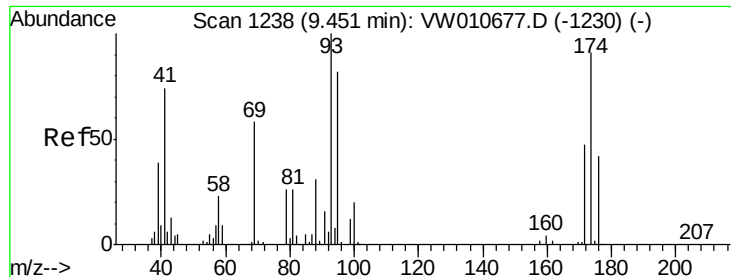
69 69.5 56.6 85.0

39 60.0 44.4 66.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

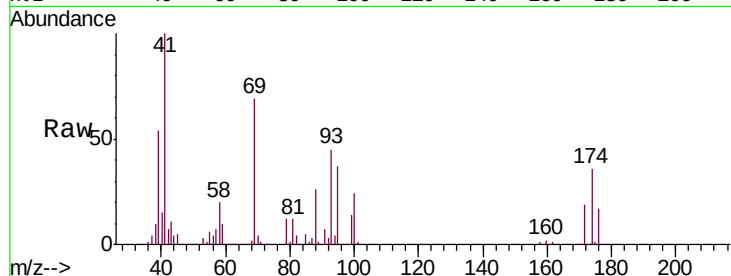




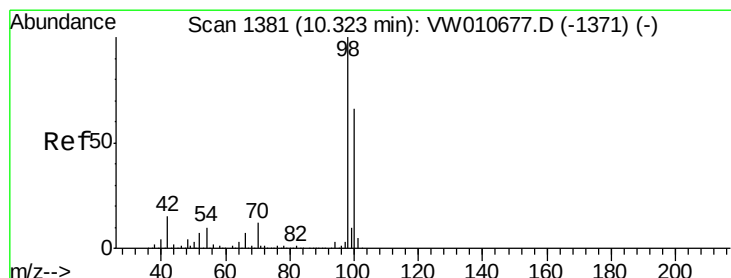
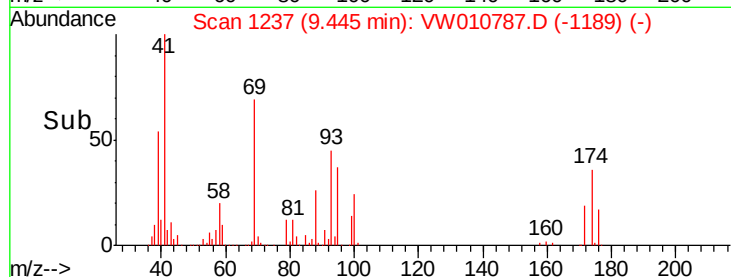
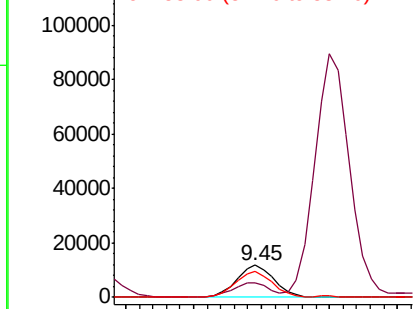
#49
1,4-Dioxane
Concen: 1152.444 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 22893
Ion Ratio Lower Upper
88 100
43 42.9 34.2 51.4
58 80.8 69.0 103.4

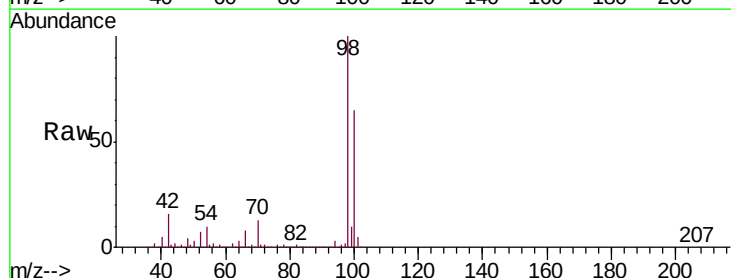


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

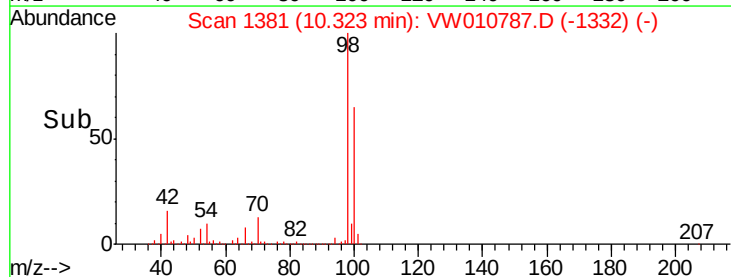
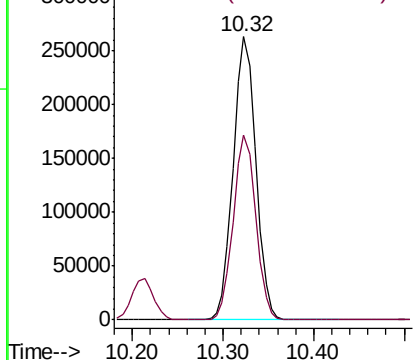


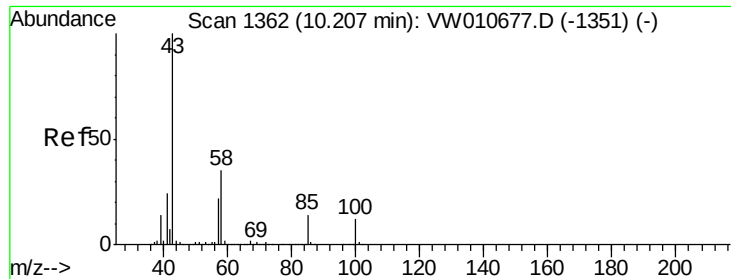
#50
Toluene-d8
Concen: 51.987 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 98 Resp: 457901
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

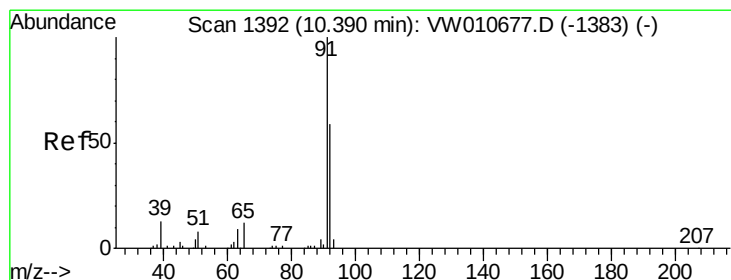
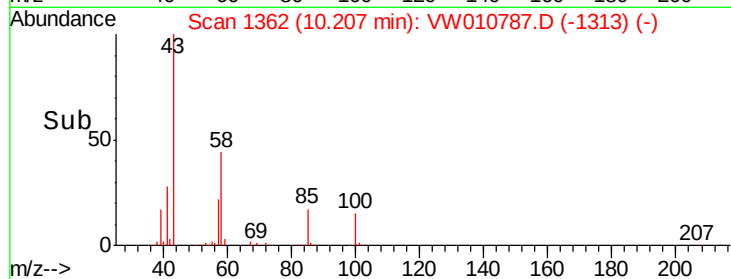
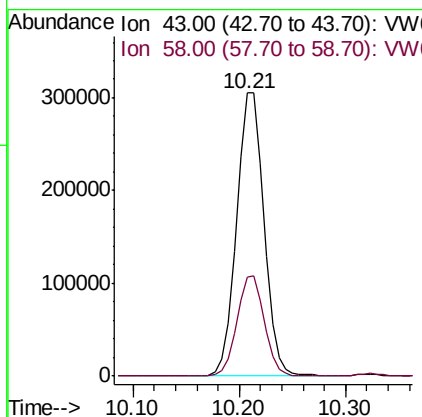
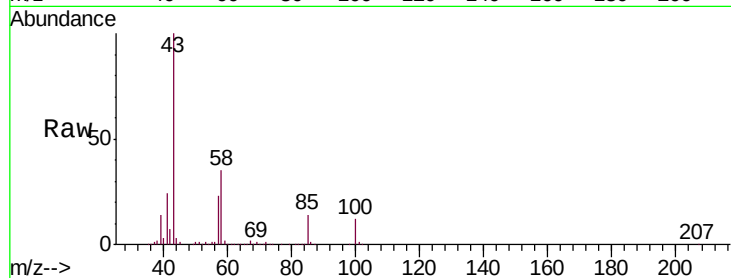




#51
 4-Methyl-2-Pentanone
 Concen: 267.276 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

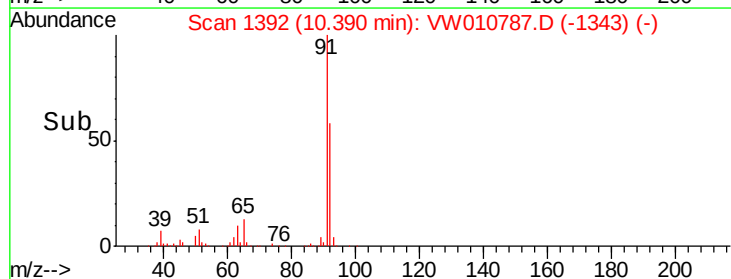
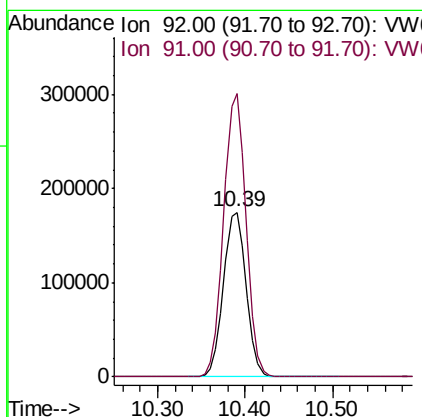
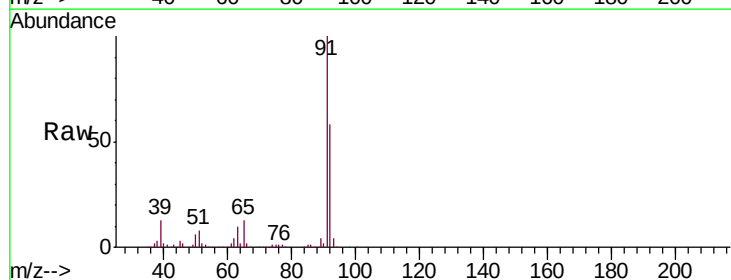
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

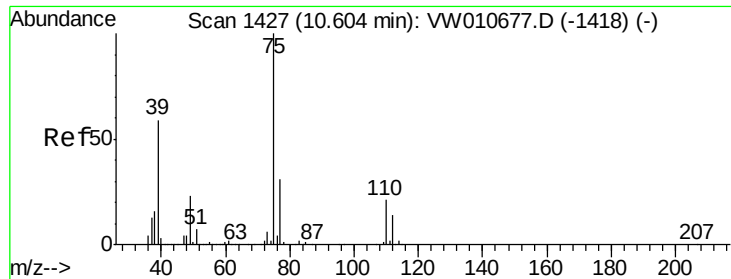
Tgt Ion: 43 Resp: 553722
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.4 42.6



#52
 Toluene
 Concen: 49.416 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 92 Resp: 314197
 Ion Ratio Lower Upper
 92 100
 91 169.9 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 50.787 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

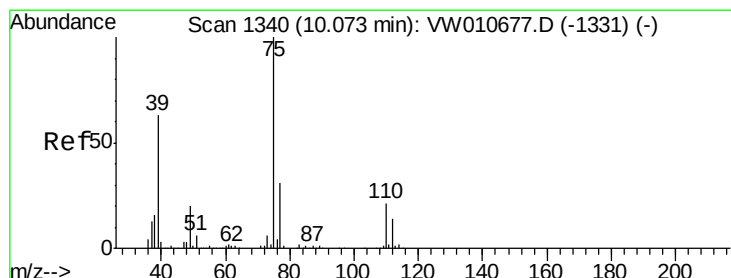
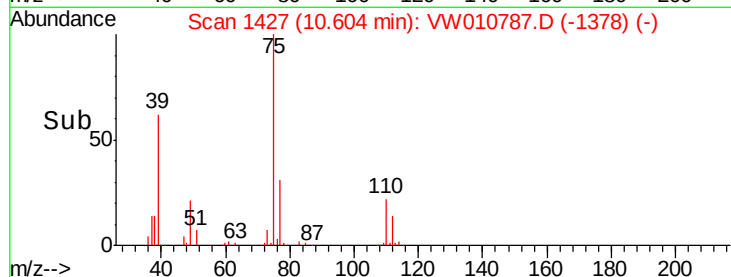
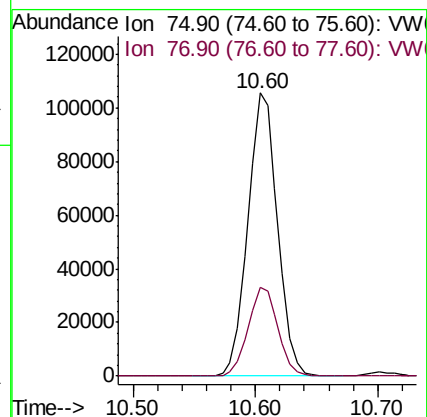
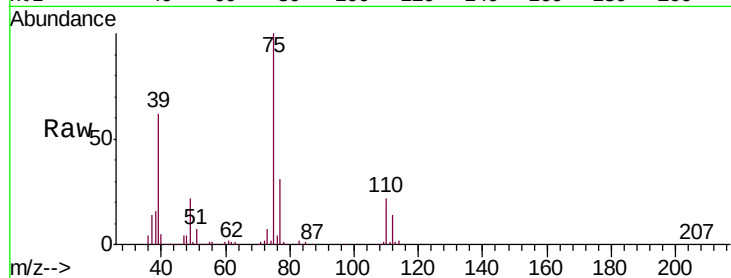
VSTDCCC050EC

Tgt Ion: 75 Resp: 177168

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 50.542 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

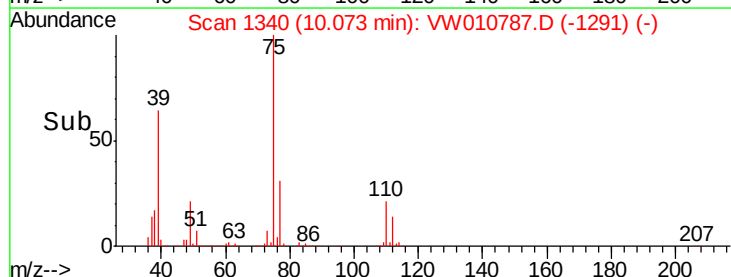
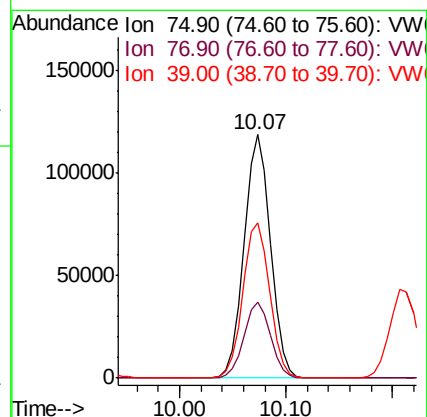
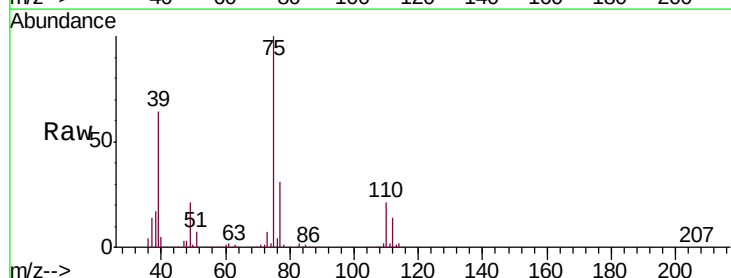
Tgt Ion: 75 Resp: 207472

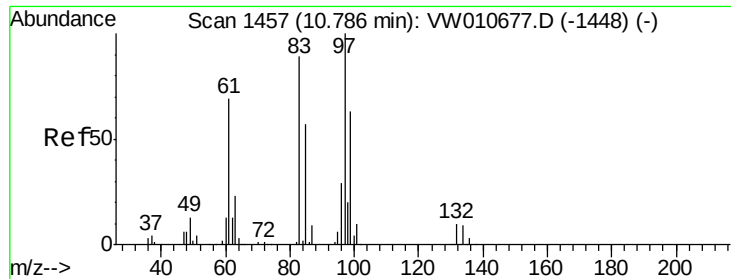
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 63.7 50.1 75.1

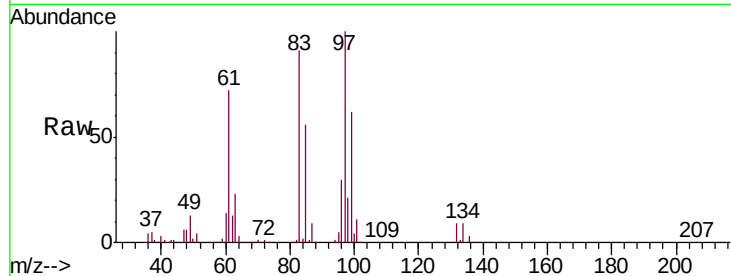




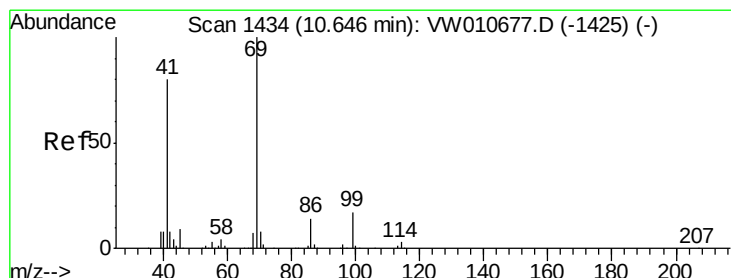
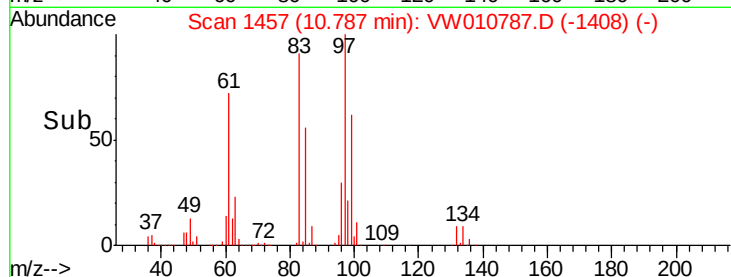
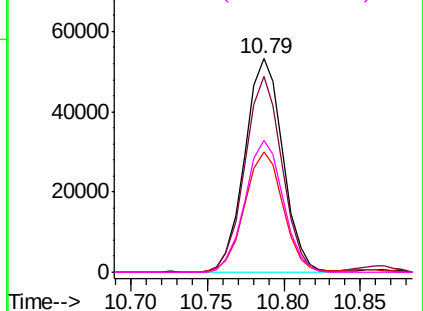
#55
 1,1,2-Trichloroethane
 Concen: 50.311 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 97 Resp: 92088
 Ion Ratio Lower Upper
 97 100
 83 91.4 71.1 106.7
 85 56.4 45.2 67.8
 99 61.7 50.0 75.0

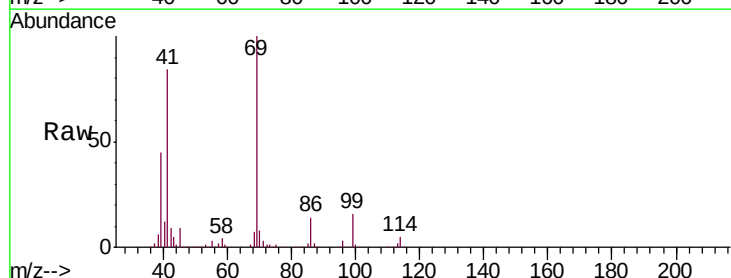


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

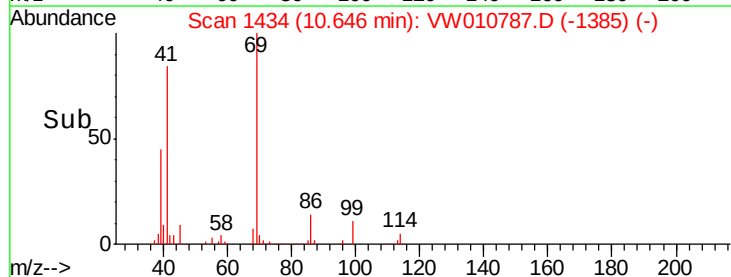
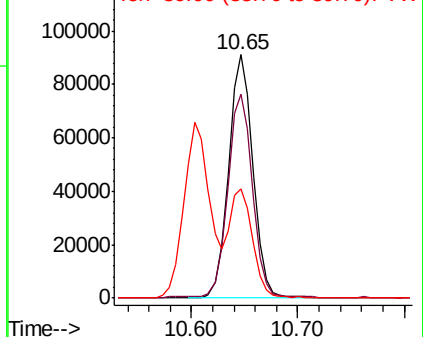


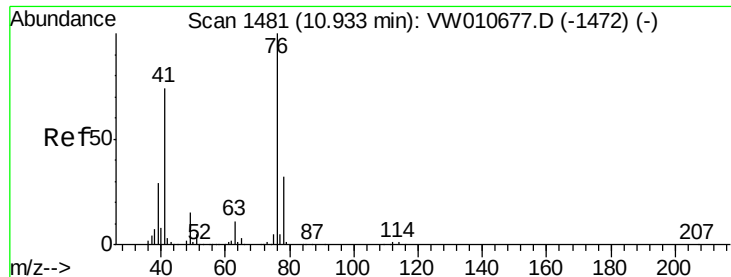
#56
 Ethyl methacrylate
 Concen: 51.681 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 69 Resp: 145557
 Ion Ratio Lower Upper
 69 100
 41 84.4 64.8 97.2
 39 43.0 32.2 48.2



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

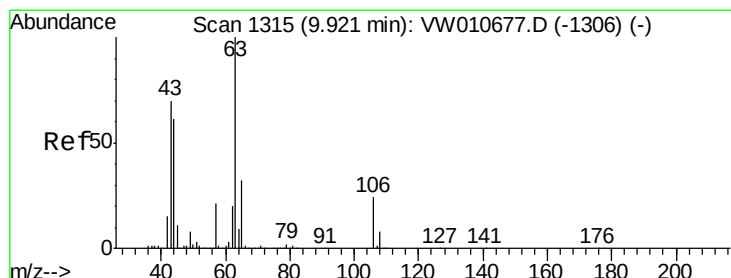
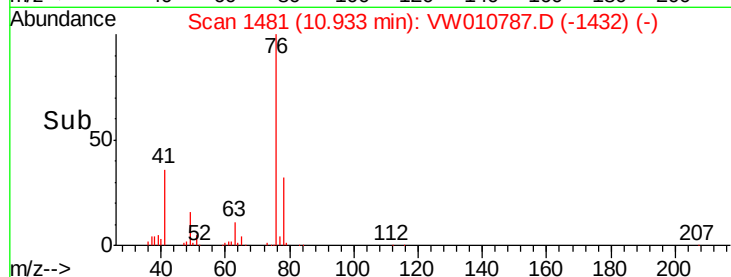
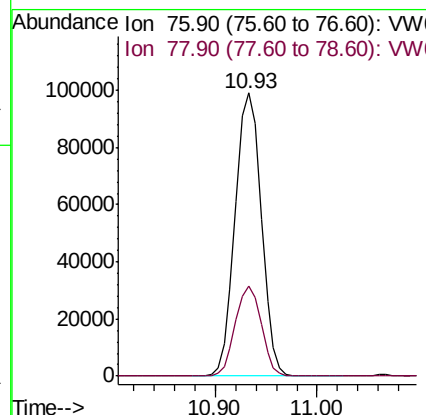
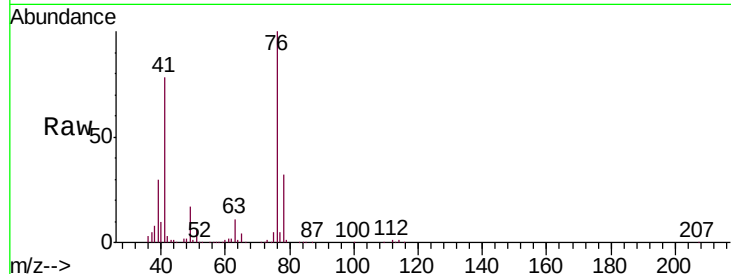




#57
 1,3-Dichloropropane
 Concen: 50.945 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

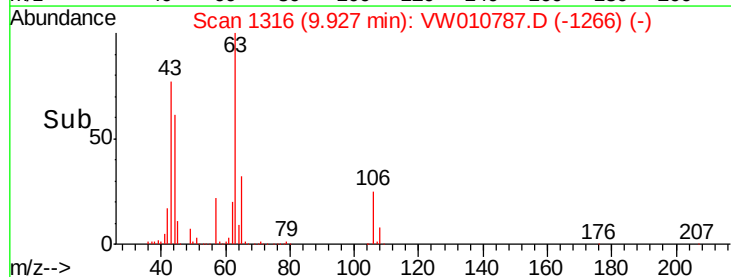
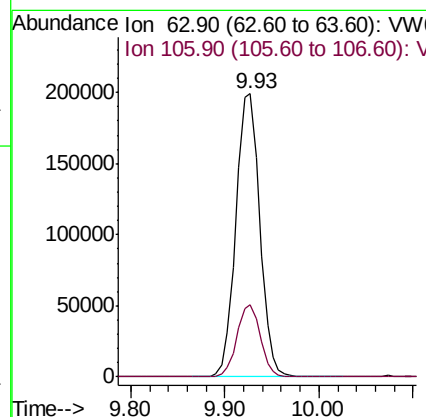
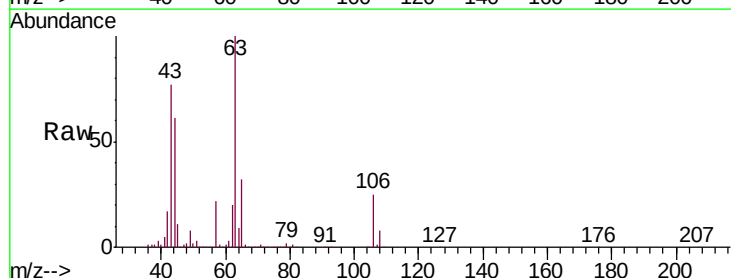
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

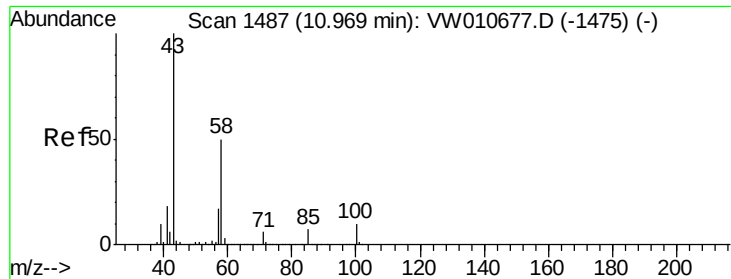
Tgt Ion: 76 Resp: 175731
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.163 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 63 Resp: 351340
 Ion Ratio Lower Upper
 63 100
 106 25.0 20.1 30.1

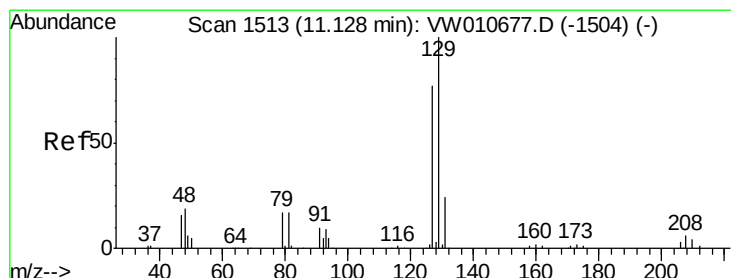
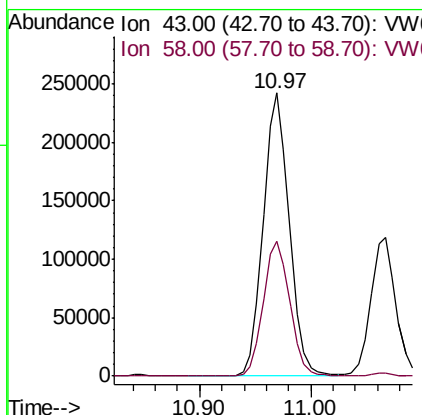
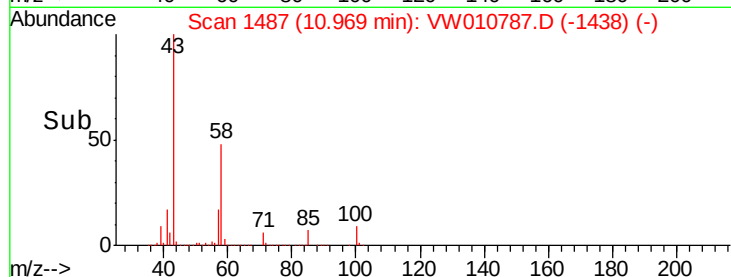
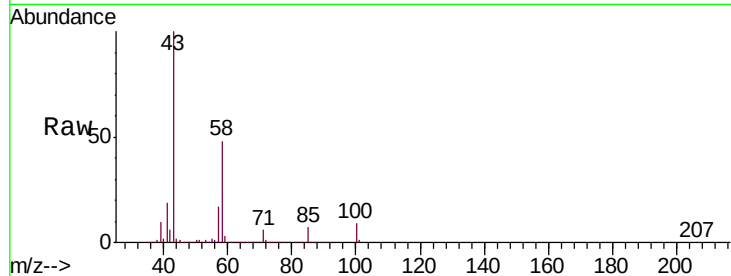




#59
2-Hexanone
Concen: 263.142 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

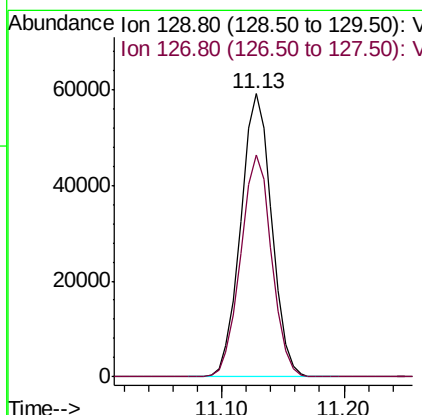
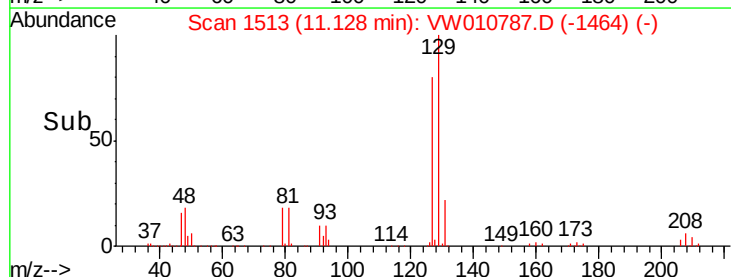
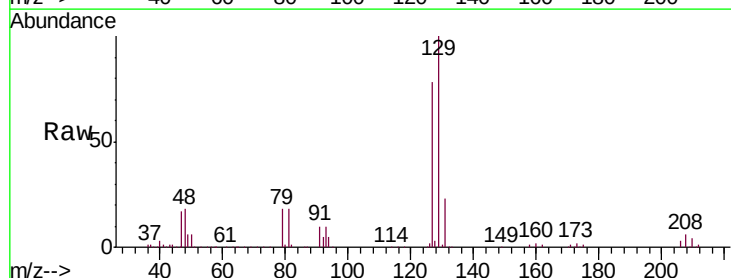
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

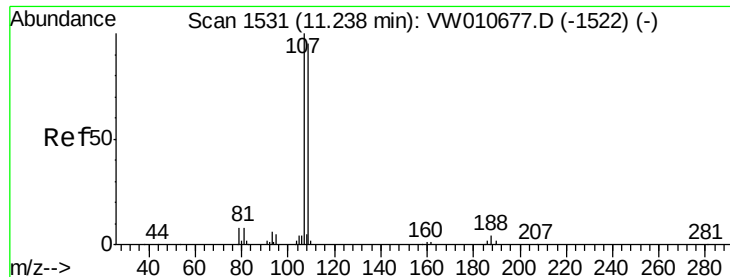
Tgt Ion: 43 Resp: 393998
Ion Ratio Lower Upper
43 100
58 48.6 24.9 74.6



#60
Dibromochloromethane
Concen: 51.043 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 129 Resp: 103568
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.058 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

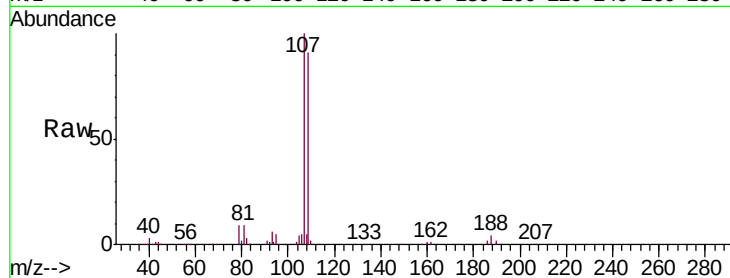
VSTDCCC050EC

Tgt Ion: 107 Resp: 86812

Ion Ratio Lower Upper

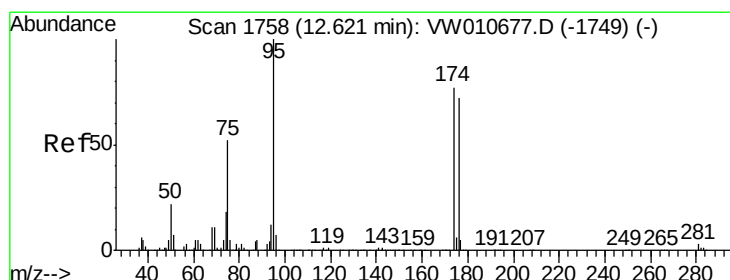
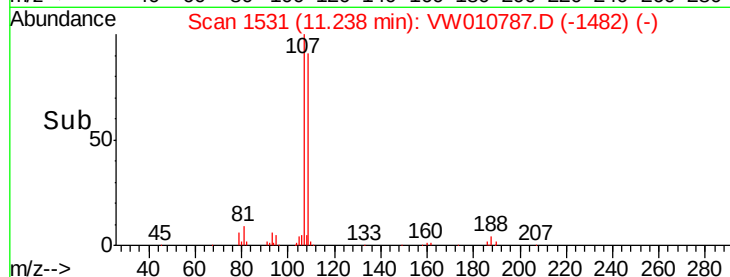
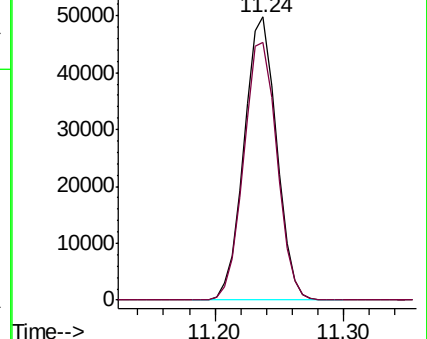
107 100

109 93.3 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.868 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

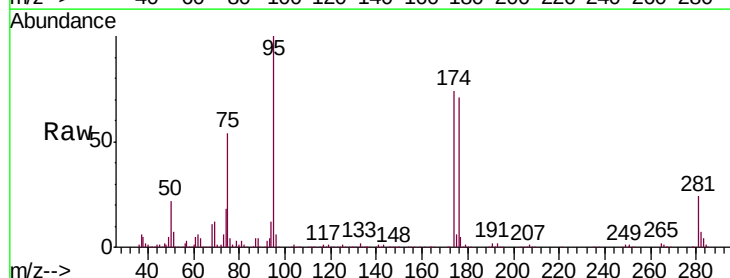
Tgt Ion: 95 Resp: 172653

Ion Ratio Lower Upper

95 100

174 72.4 0.0 150.4

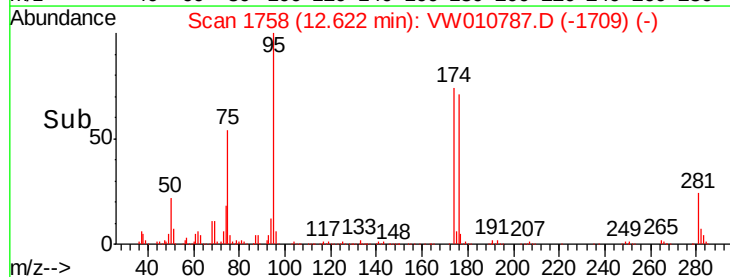
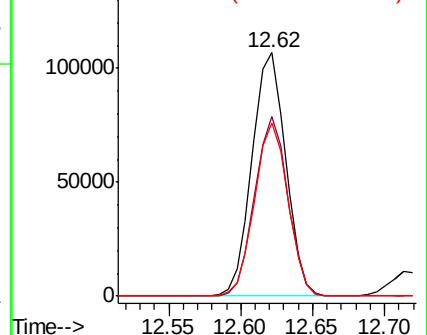
176 70.4 0.0 144.8

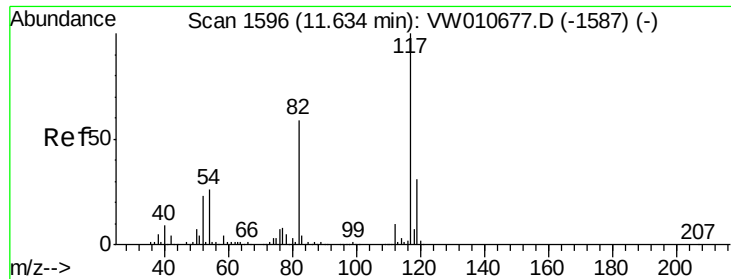


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

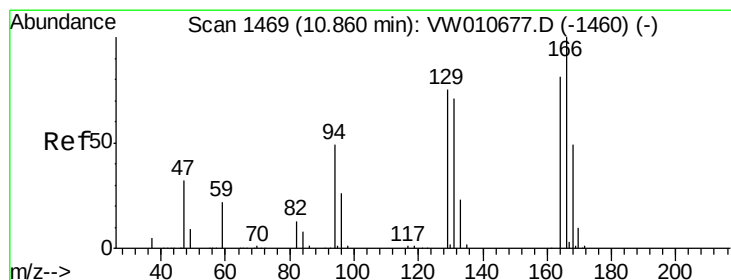
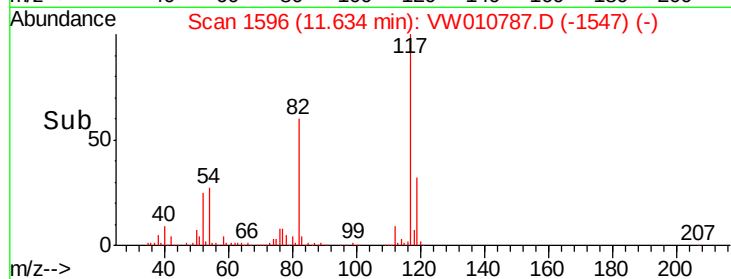
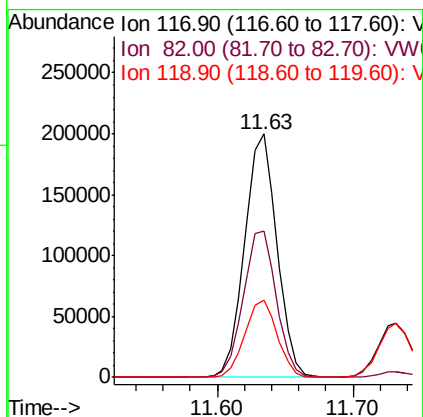
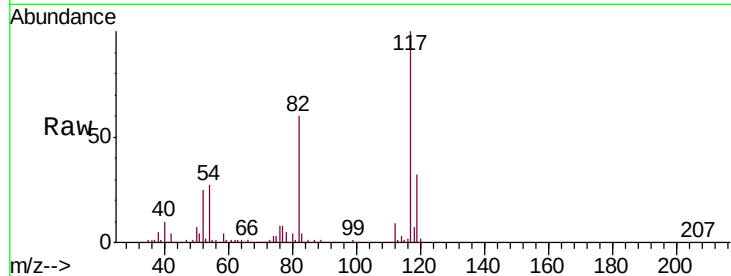




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

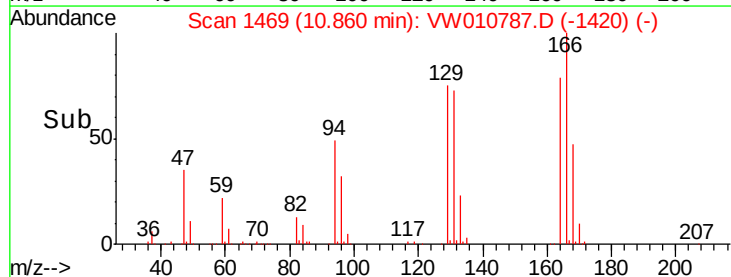
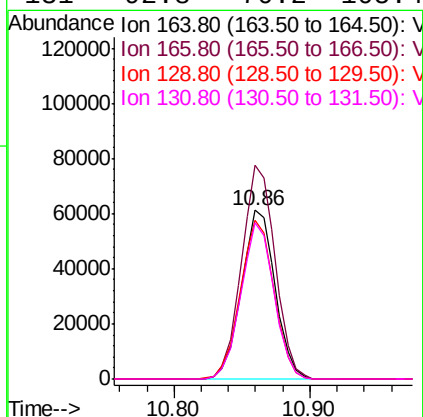
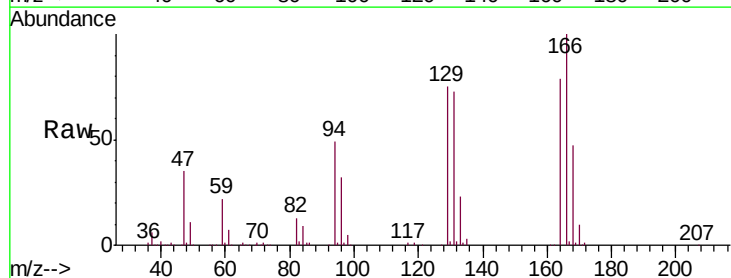
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

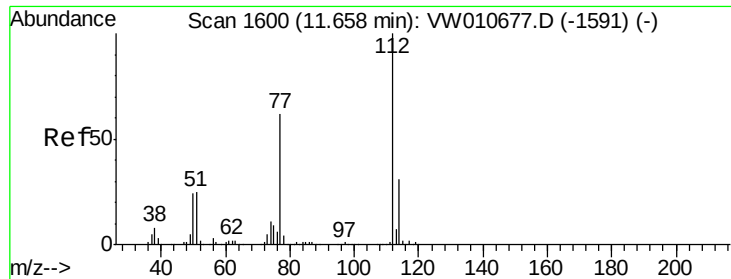
Tgt Ion:117 Resp: 332502
Ion Ratio Lower Upper
117 100
82 59.9 47.0 70.4
119 31.6 25.1 37.7



#64
Tetrachloroethene
Concen: 47.738 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion:164 Resp: 105390
Ion Ratio Lower Upper
164 100
166 126.6 99.2 148.8
129 94.3 74.6 112.0
131 92.8 70.2 105.4

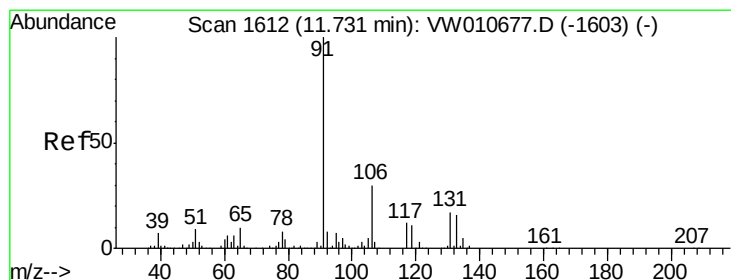
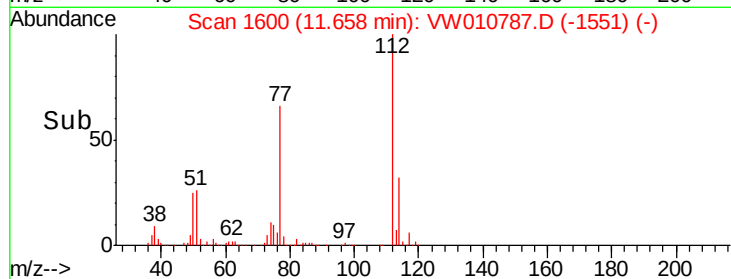
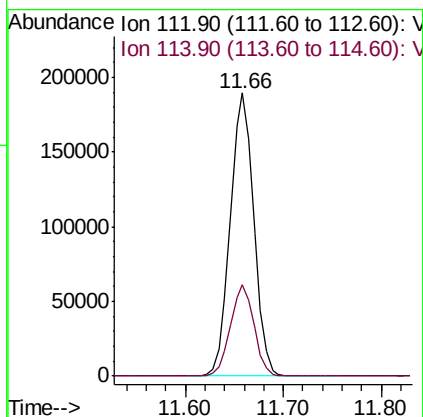
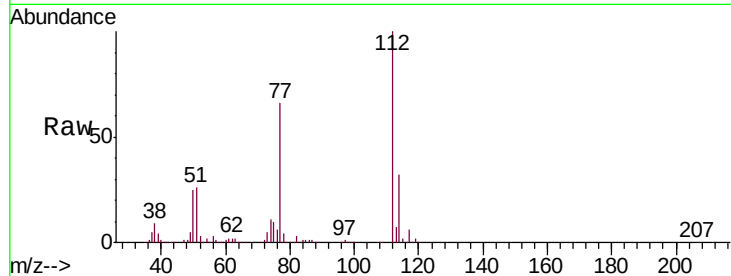




#65
Chlorobenzene
Concen: 48.336 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

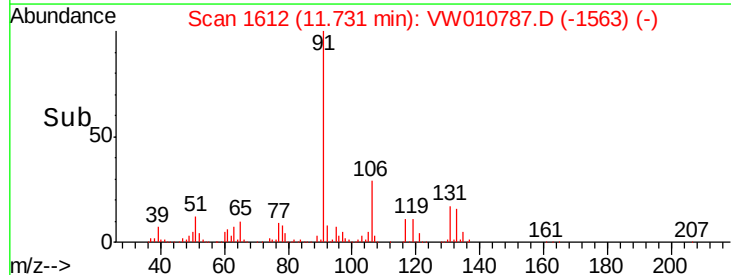
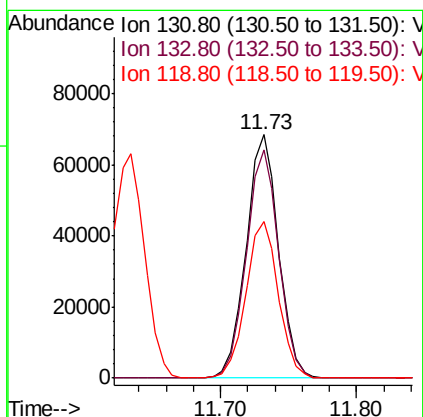
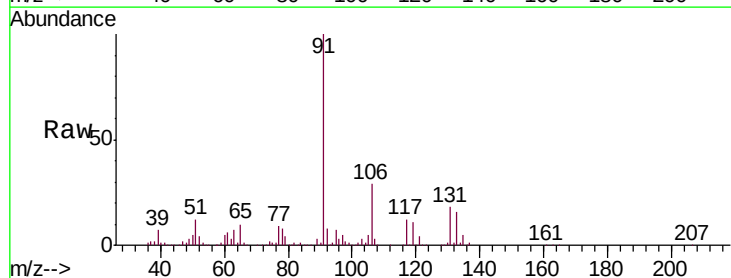
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

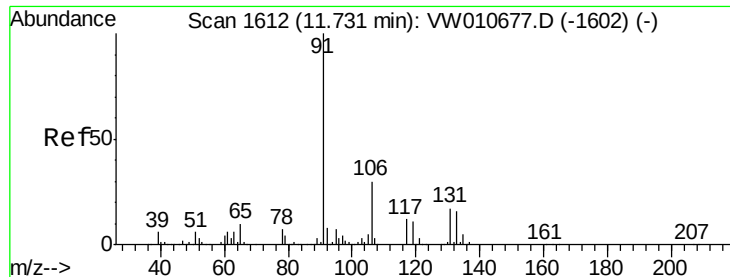
Tgt Ion:112 Resp: 316051
Ion Ratio Lower Upper
112 100
114 32.2 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.290 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion:131 Resp: 113828
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 64.4 32.4 97.0

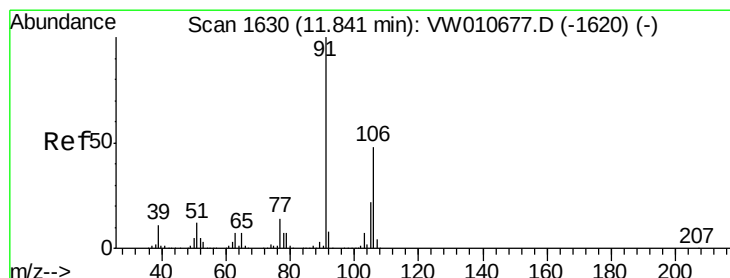
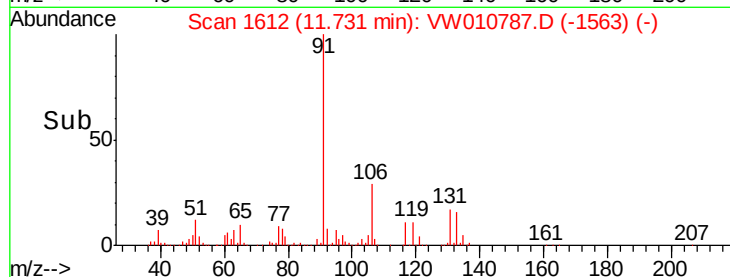
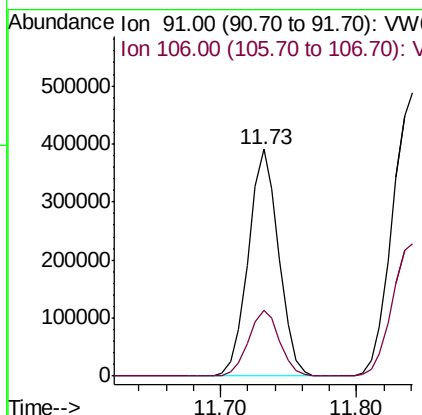
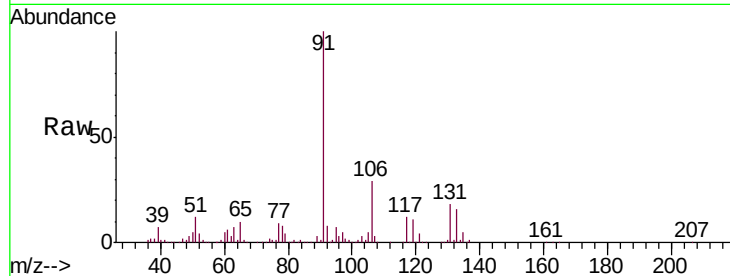




#67
Ethyl Benzene
Concen: 48.602 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

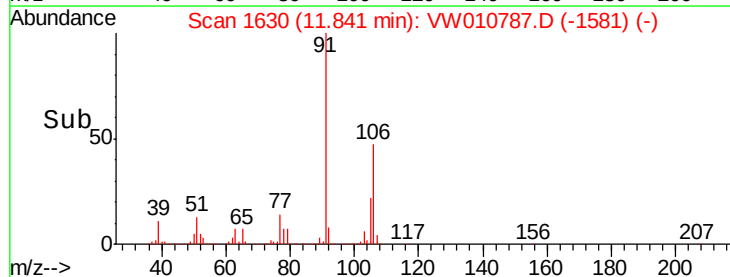
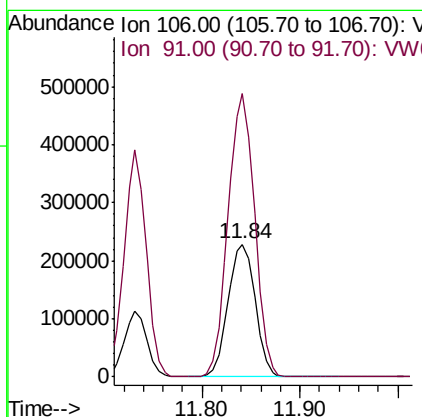
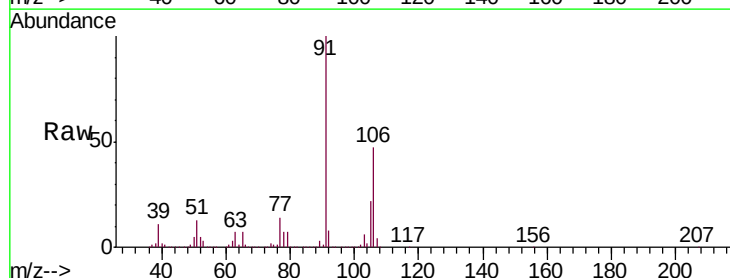
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

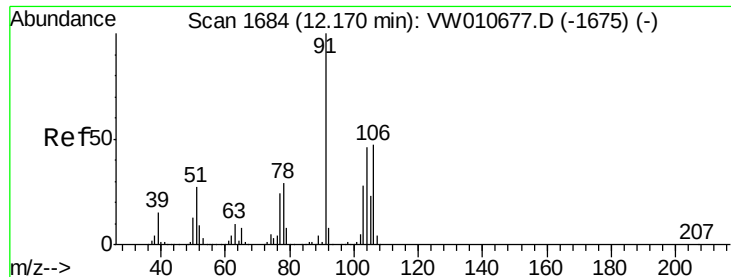
Tgt Ion: 91 Resp: 610749
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.4



#68
m/p-Xylenes
Concen: 97.910 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 106 Resp: 440436
Ion Ratio Lower Upper
106 100
91 209.0 166.5 249.7

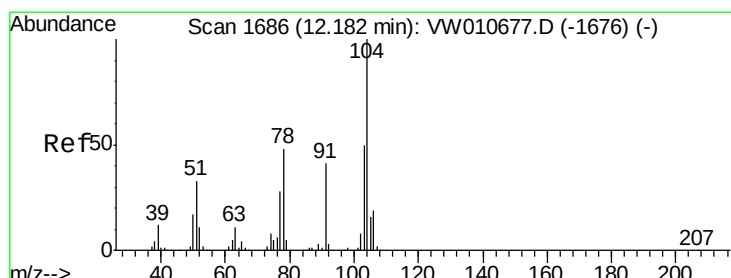
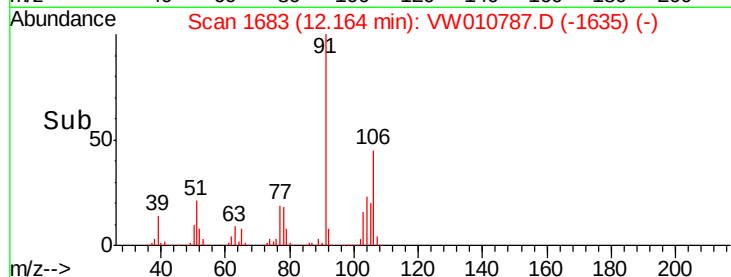
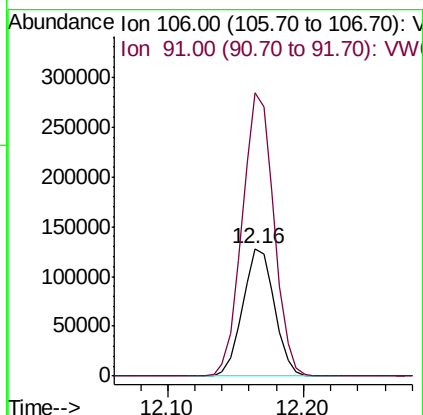
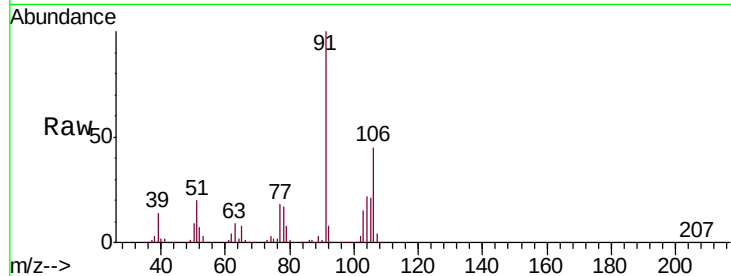




#69
o-Xylene
Concen: 48.871 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

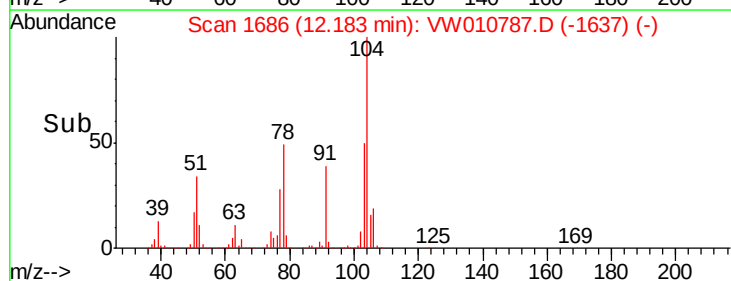
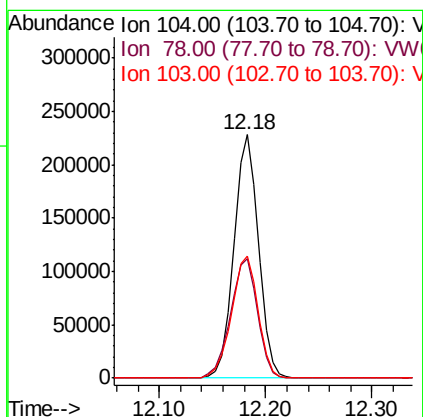
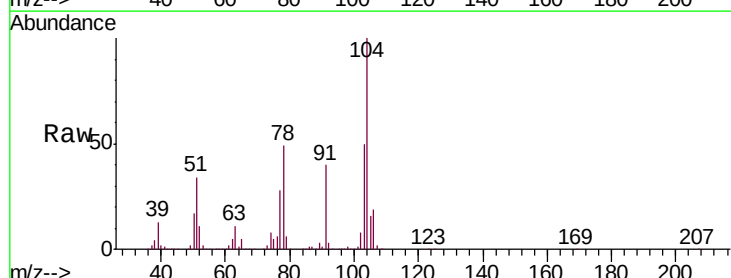
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

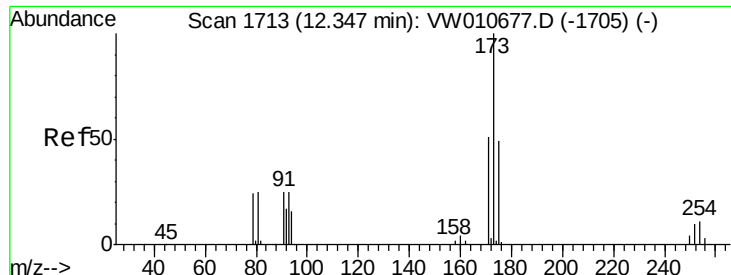
Tgt Ion:106 Resp: 208502
Ion Ratio Lower Upper
106 100
91 221.9 108.9 326.6



#70
Styrene
Concen: 49.715 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion:104 Resp: 368448
Ion Ratio Lower Upper
104 100
78 54.0 42.7 64.1
103 54.4 43.6 65.4





#71

Bromoform

Concen: 49.926 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

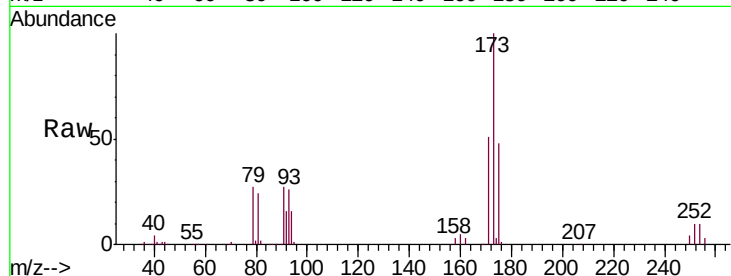
Tgt Ion:173 Resp: 58444

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

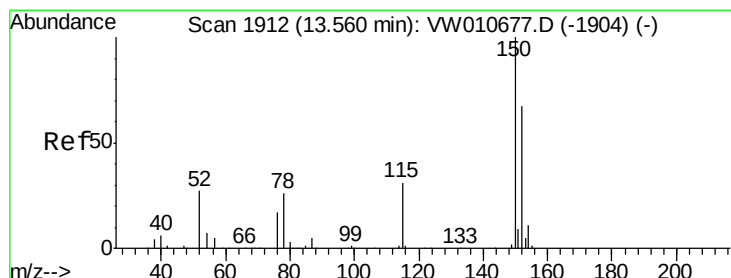
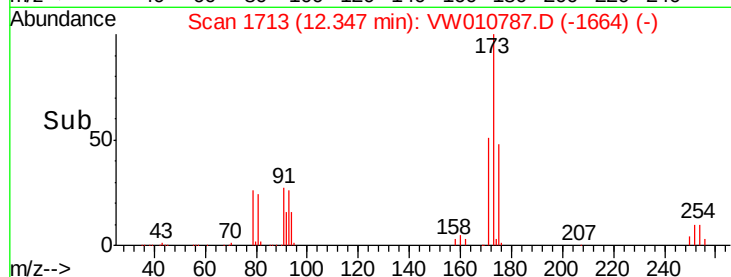
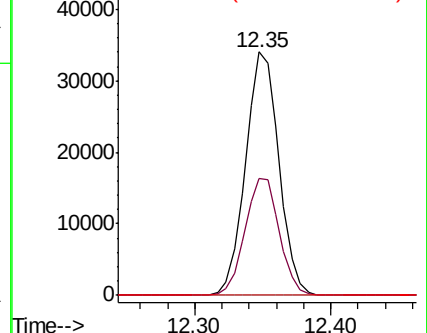
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

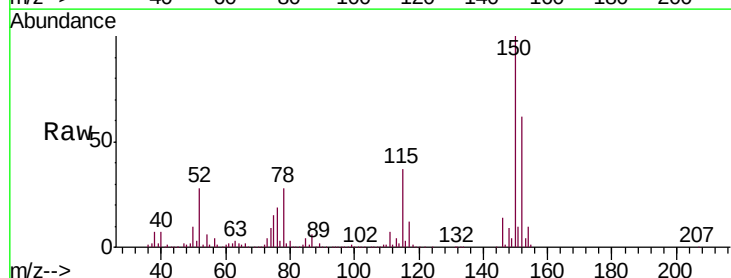
Tgt Ion:152 Resp: 163754

Ion Ratio Lower Upper

152 100

115 59.7 29.8 89.3

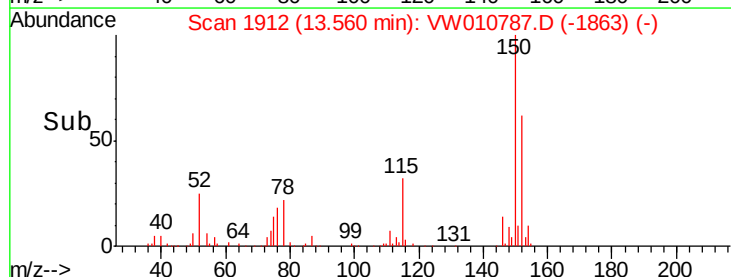
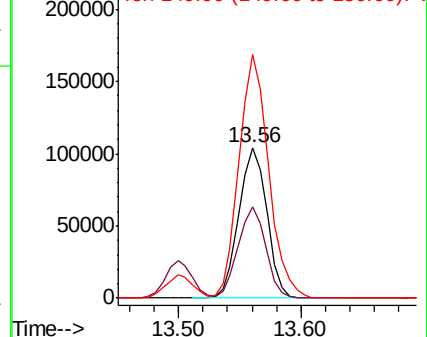
150 172.5 0.0 345.0

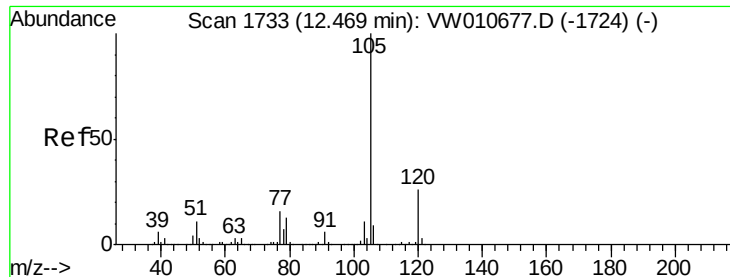


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

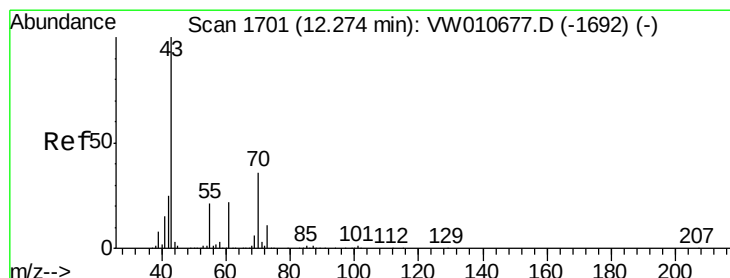
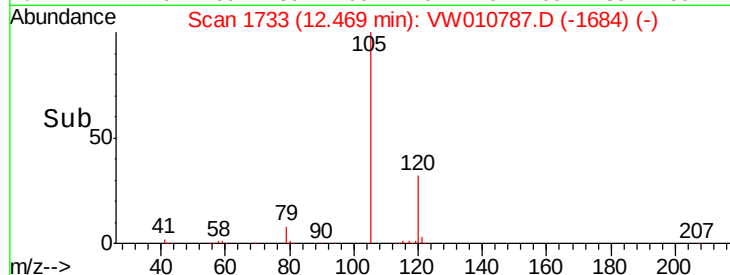
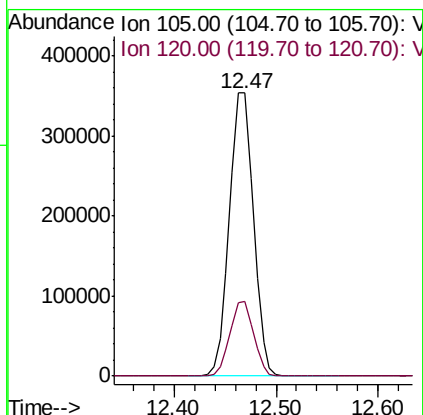
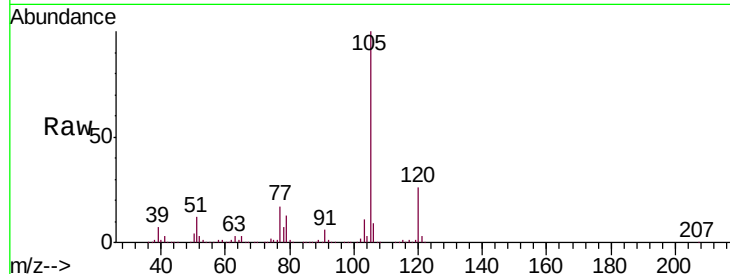




#73
Isopropylbenzene
Concen: 46.812 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

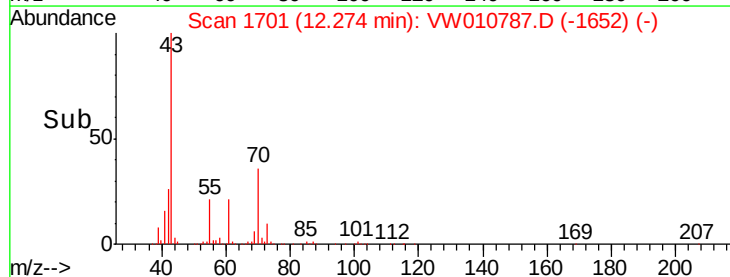
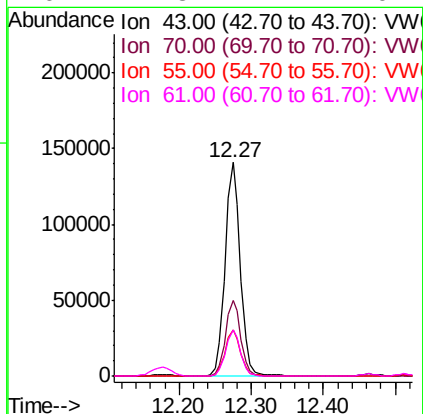
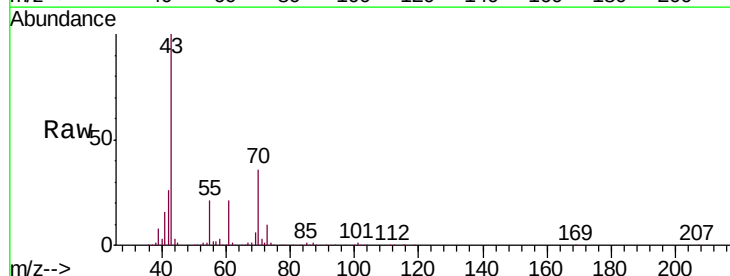
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

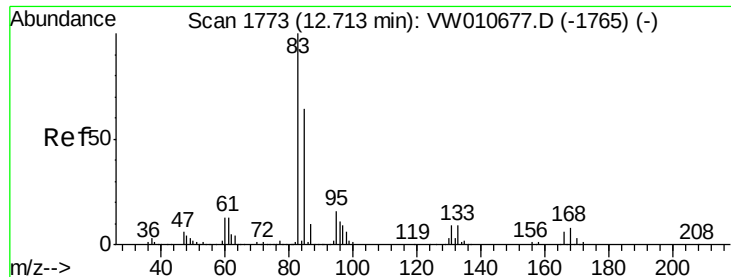
Tgt Ion: 105 Resp: 576045
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.1



#74
N-ethyl acetate
Concen: 52.064 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion: 43 Resp: 207055
Ion Ratio Lower Upper
43 100
70 35.6 29.2 43.8
55 22.0 17.5 26.3
61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.533 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

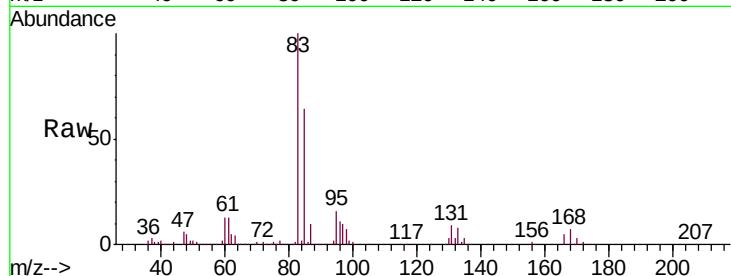
Tgt Ion: 83 Resp: 113696

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

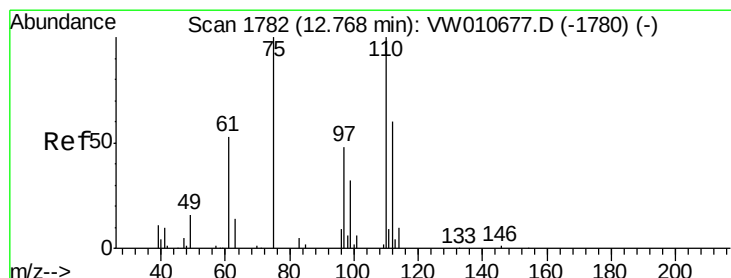
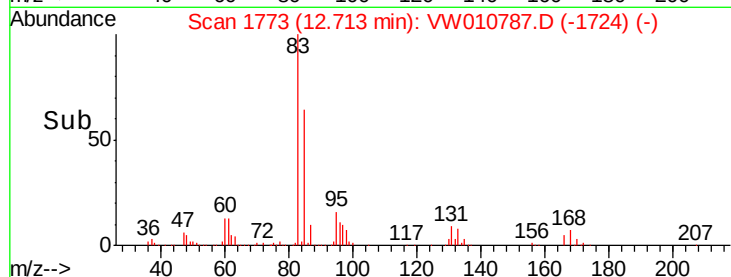
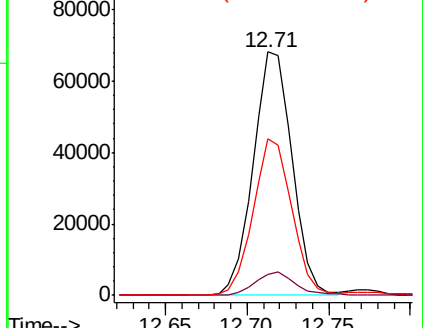
85 63.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 87.671 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010787.D

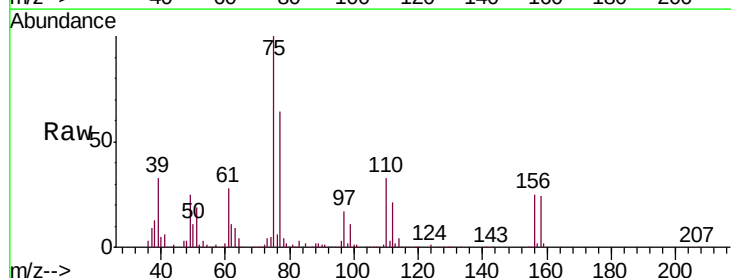
Acq: 12 Jun 2019 19:27

Tgt Ion: 75 Resp: 150762

Ion Ratio Lower Upper

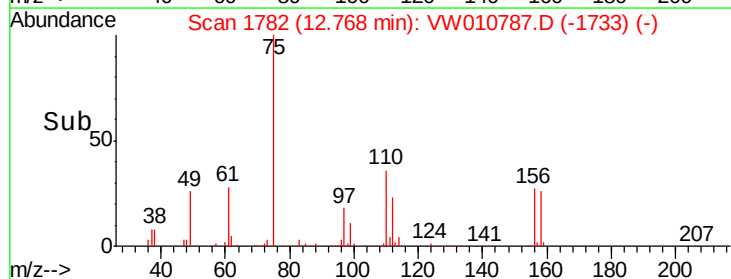
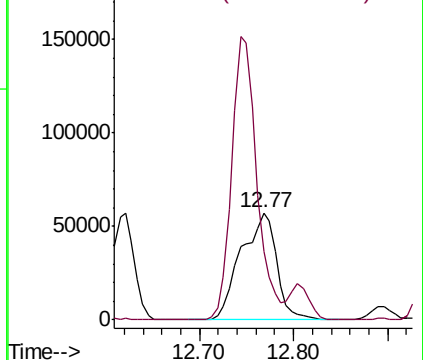
75 100

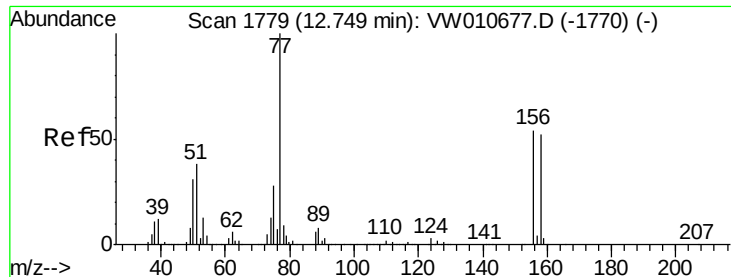
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.647 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

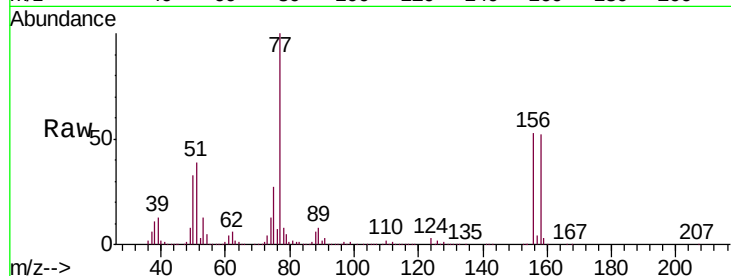
Tgt Ion:156 Resp: 127983

Ion Ratio Lower Upper

156 100

77 218.5 106.5 319.4

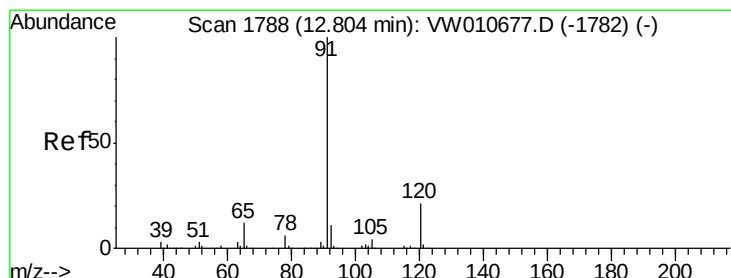
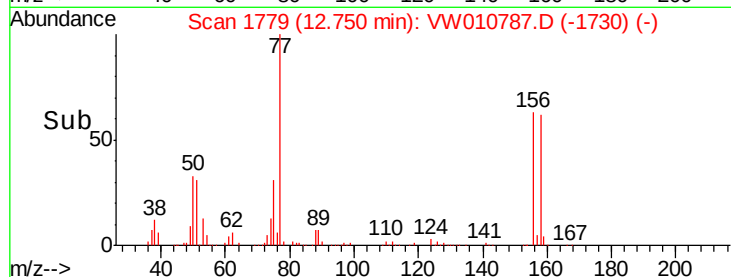
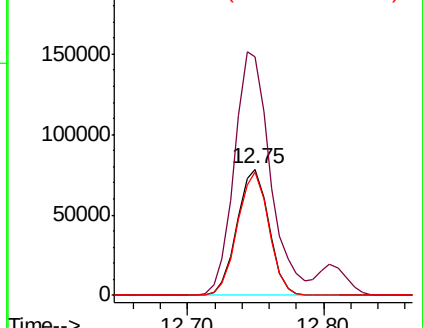
158 96.9 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.302 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010787.D

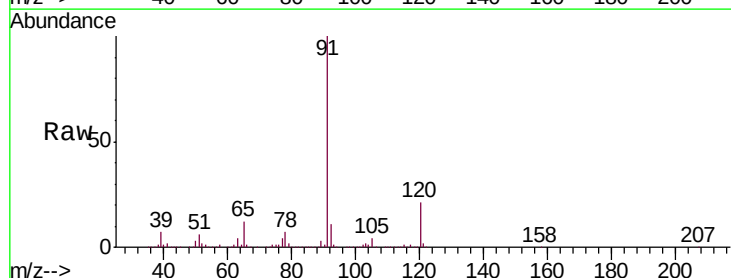
Acq: 12 Jun 2019 19:27

Tgt Ion: 91 Resp: 701864

Ion Ratio Lower Upper

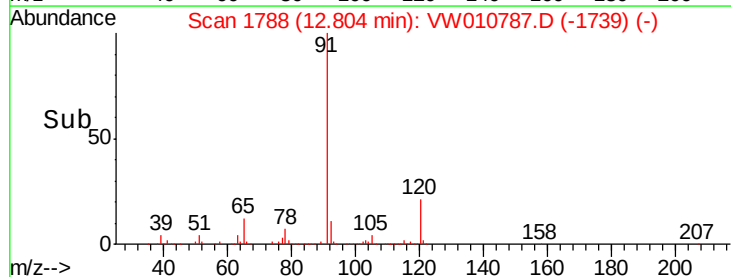
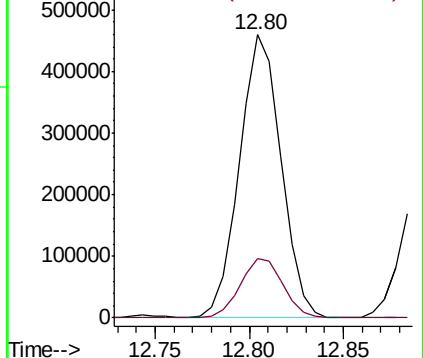
91 100

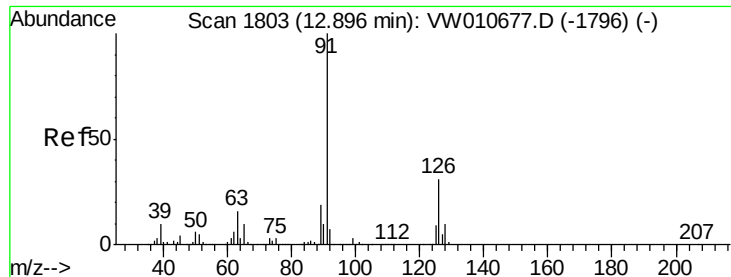
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.946 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

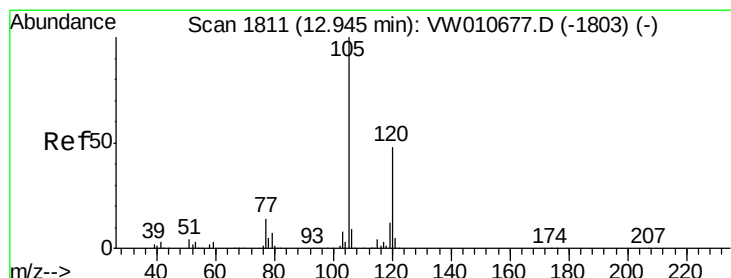
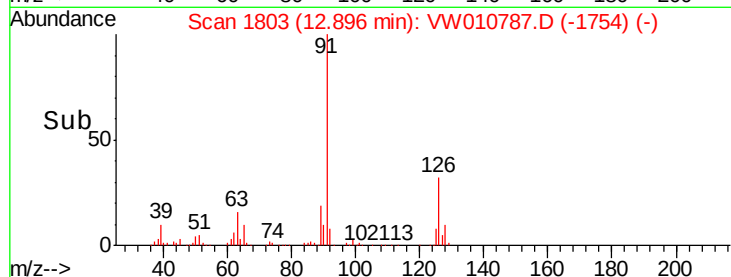
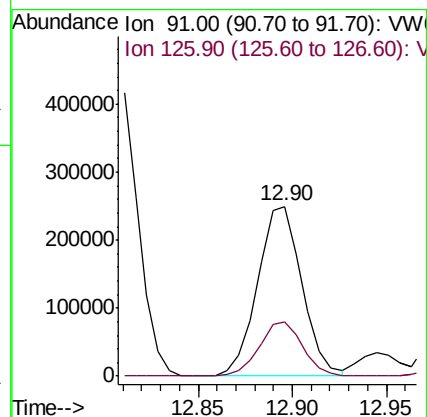
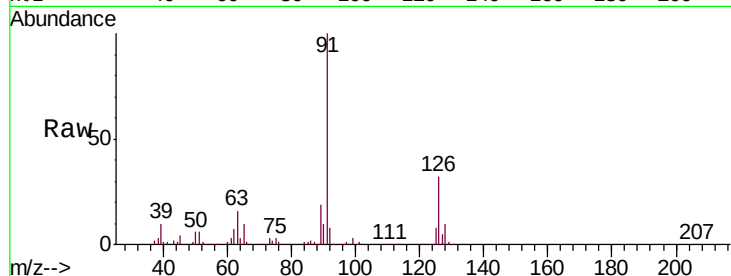
VSTDCCC050EC

Tgt Ion: 91 Resp: 406445

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 48.126 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010787.D

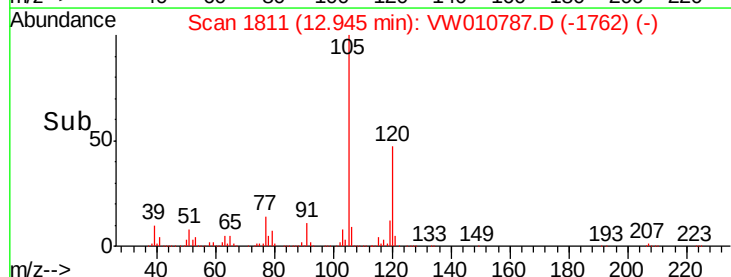
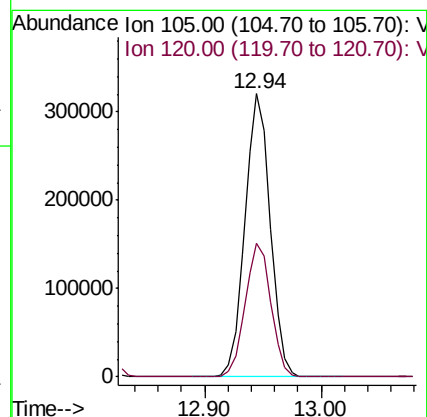
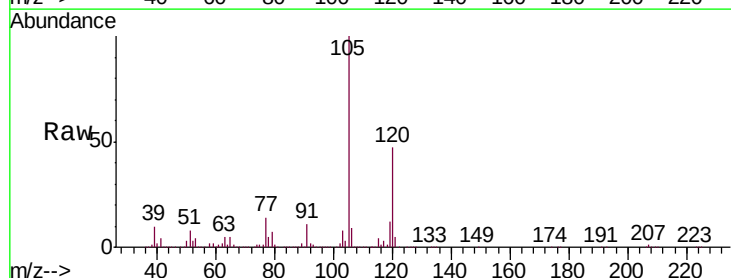
Acq: 12 Jun 2019 19:27

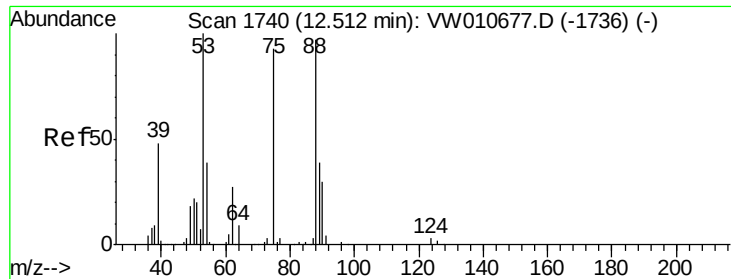
Tgt Ion: 105 Resp: 484733

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8

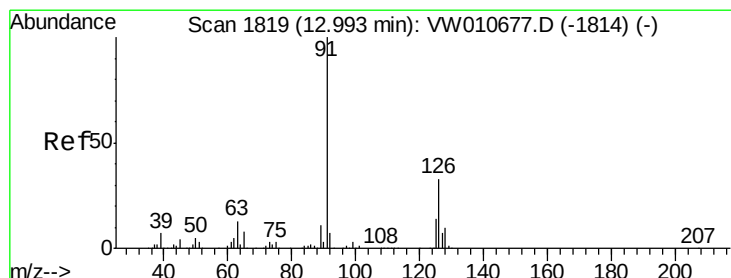
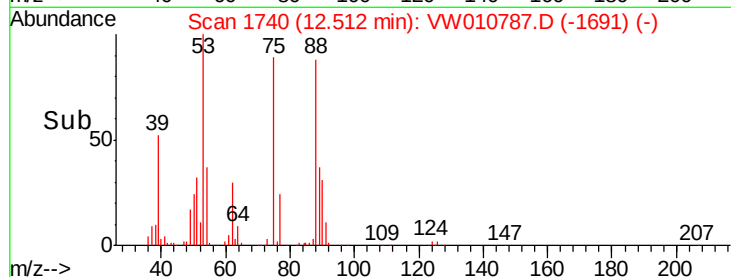
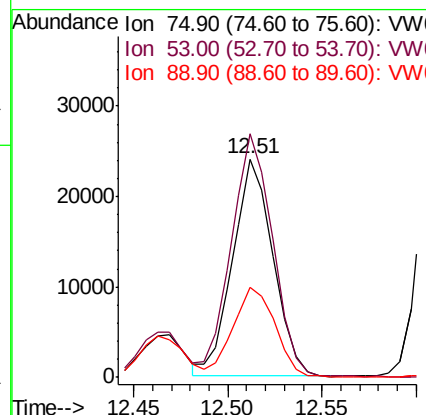
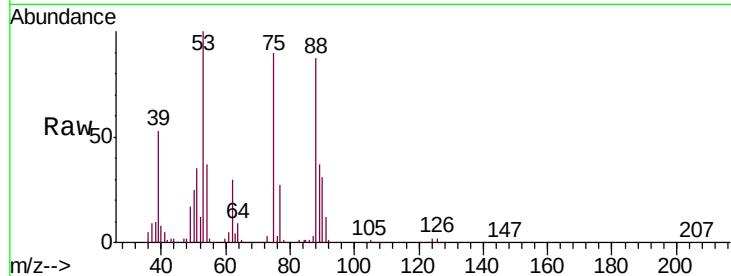




#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.731 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

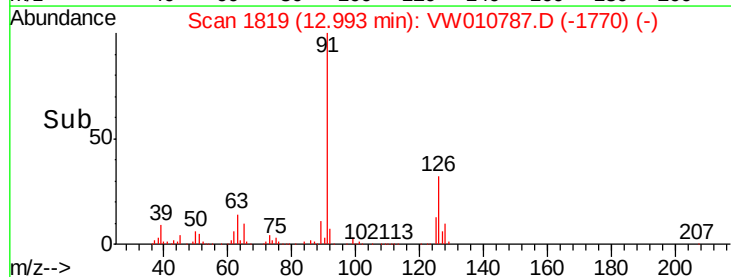
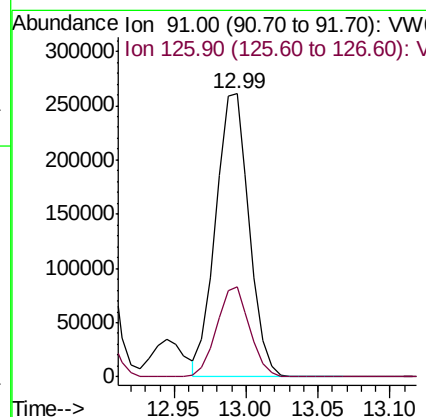
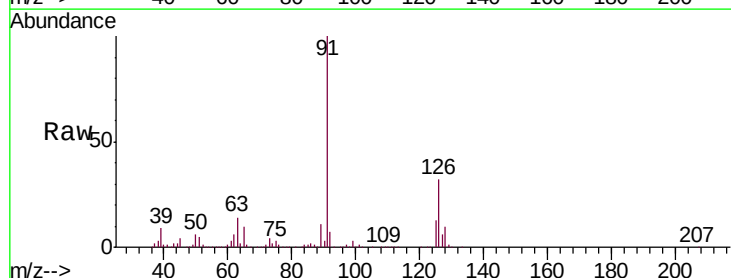
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

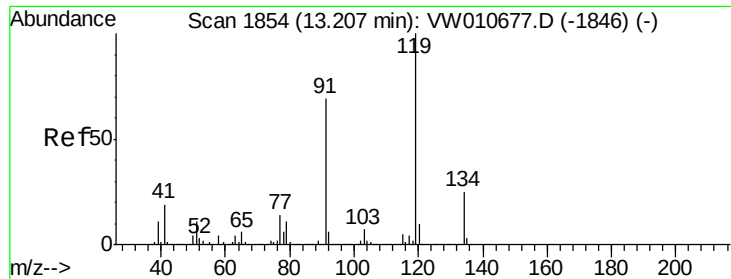
Tgt Ion: 75 Resp: 35713
 Ion Ratio Lower Upper
 75 100
 53 115.5 90.1 135.1
 89 43.5 34.6 52.0



#82
 4-Chlorotoluene
 Concen: 48.275 ug/l
 RT: 12.99 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 91 Resp: 422317
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.9 47.7

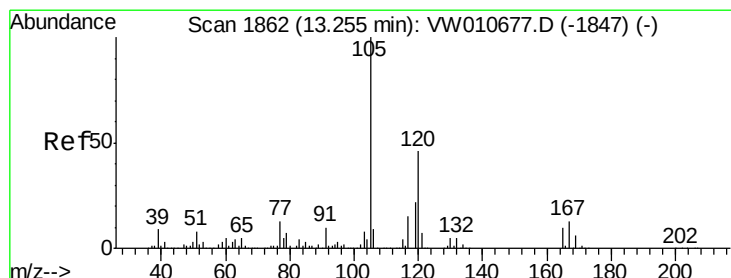
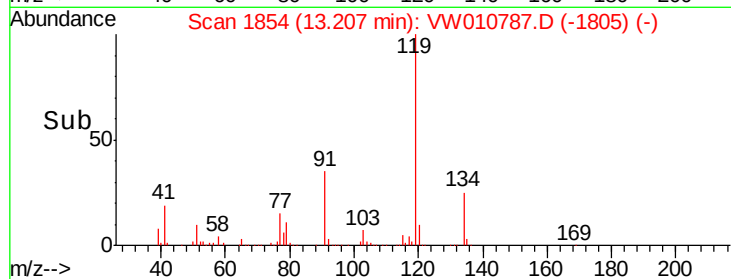
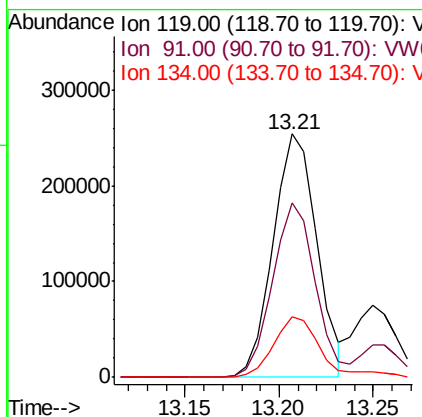
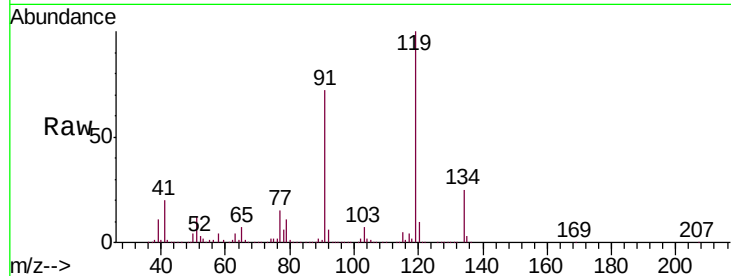




#83
 tert-Butylbenzene
 Concen: 47.812 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

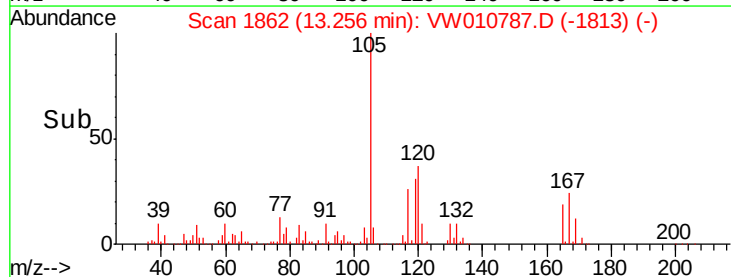
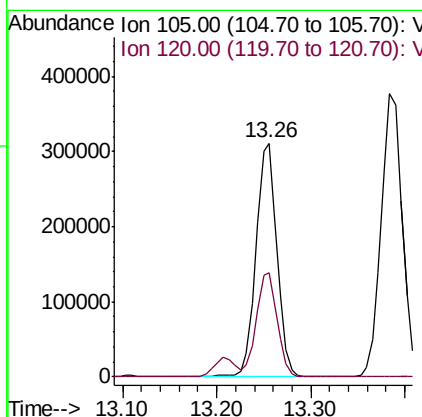
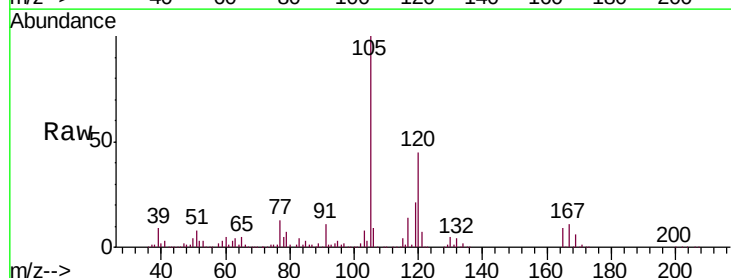
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

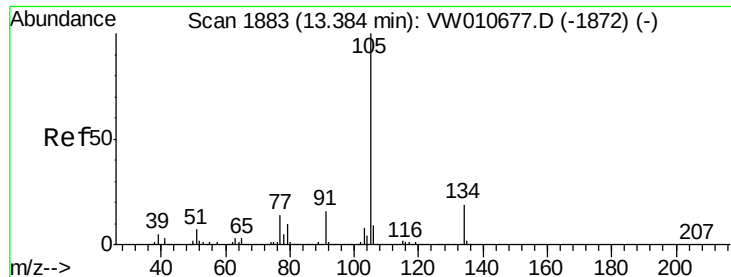
Tgt Ion:119 Resp: 408705
 Ion Ratio Lower Upper
 119 100
 91 70.9 35.1 105.3
 134 27.0 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 48.285 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion:105 Resp: 489394
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.5 67.5

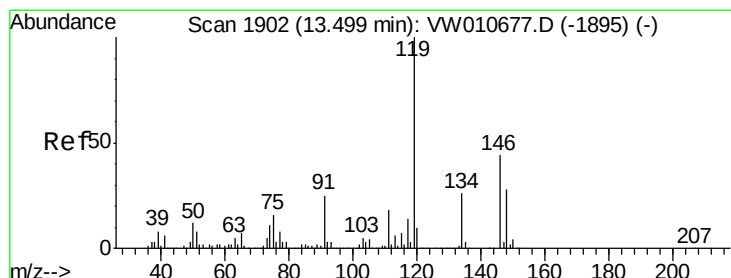
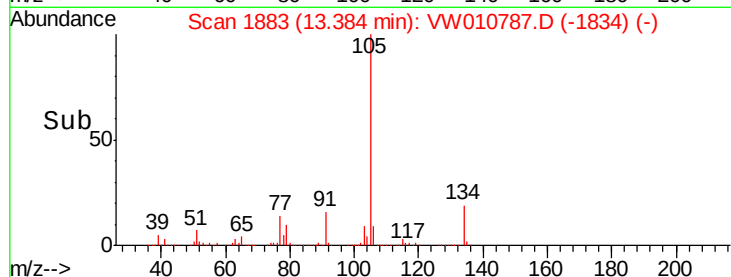
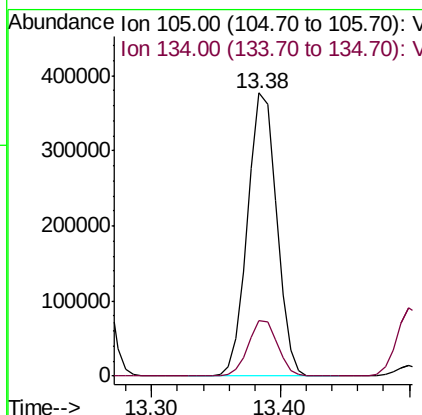
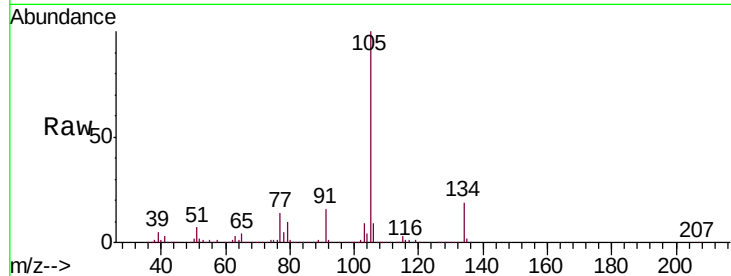




#85
 sec-Butylbenzene
 Concen: 47.215 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

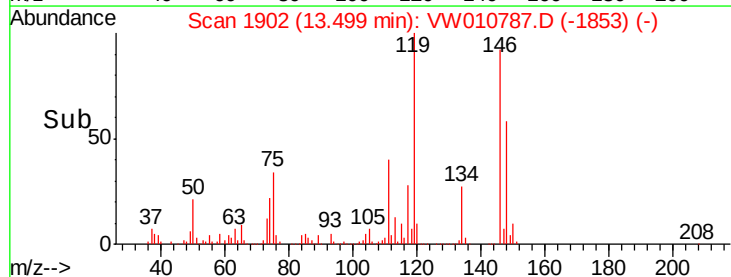
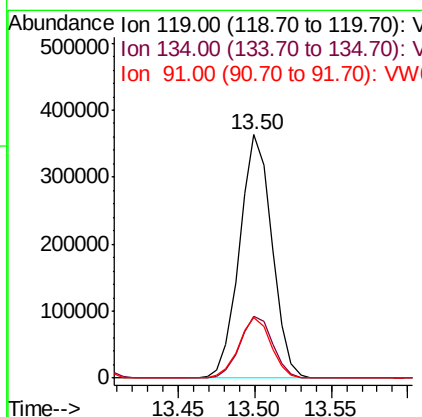
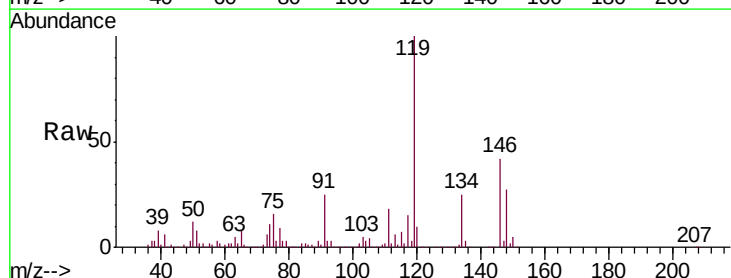
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

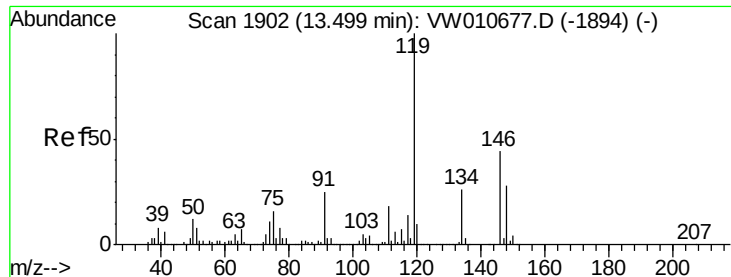
Tgt Ion:105 Resp: 587632
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 47.922 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion:119 Resp: 533360
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.0 39.0
 91 24.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 48.016 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

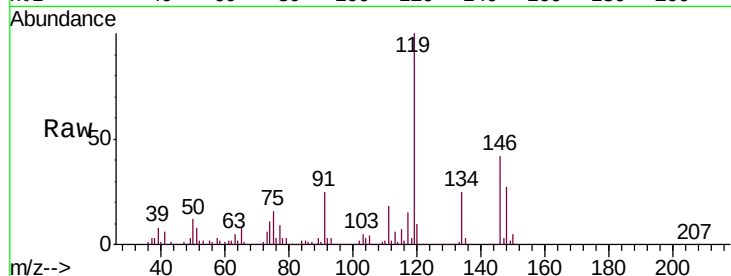
Tgt Ion:146 Resp: 248721

Ion Ratio Lower Upper

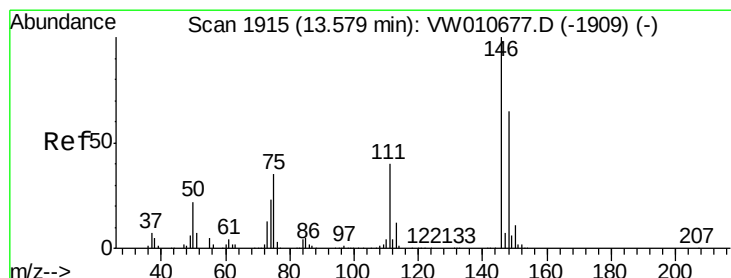
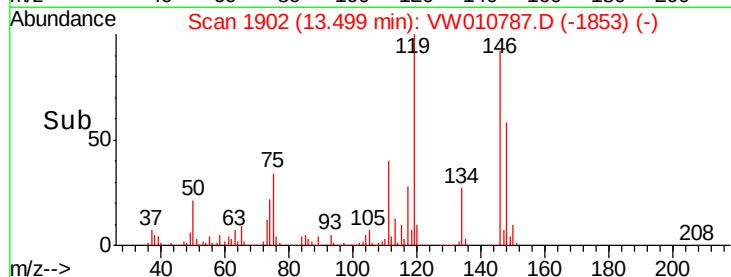
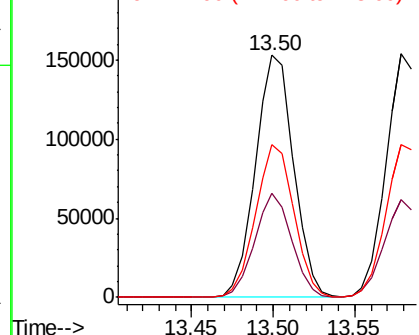
146 100

111 41.6 20.4 61.3

148 63.1 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.962 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

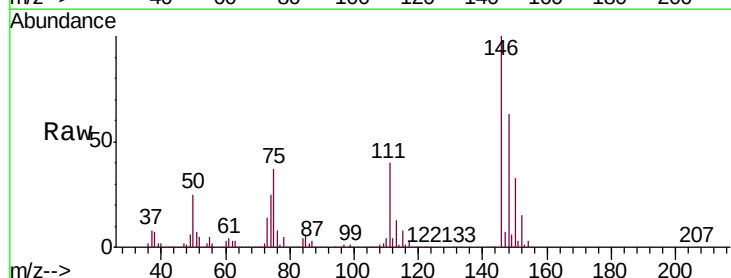
Tgt Ion:146 Resp: 246306

Ion Ratio Lower Upper

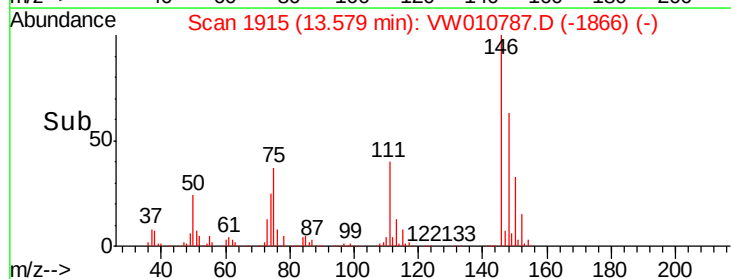
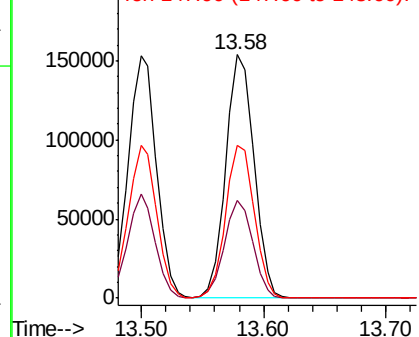
146 100

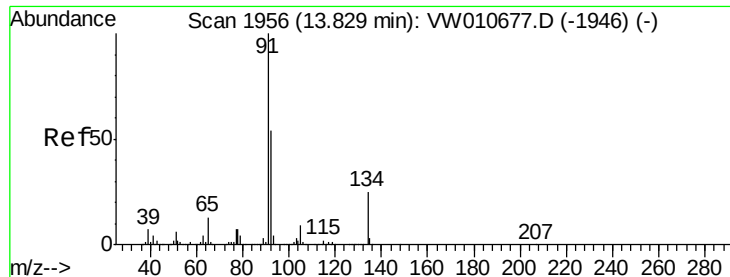
111 40.5 20.3 60.9

148 63.6 32.4 97.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.789 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010787.D

Acq: 12 Jun 2019 19:27

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

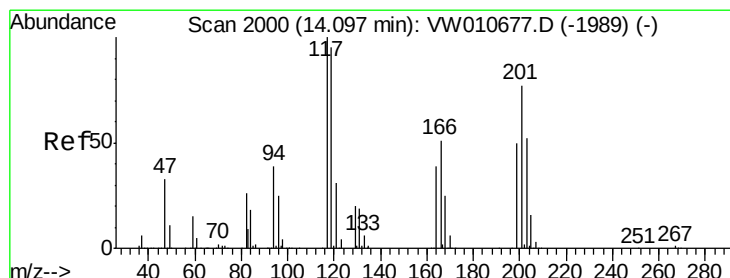
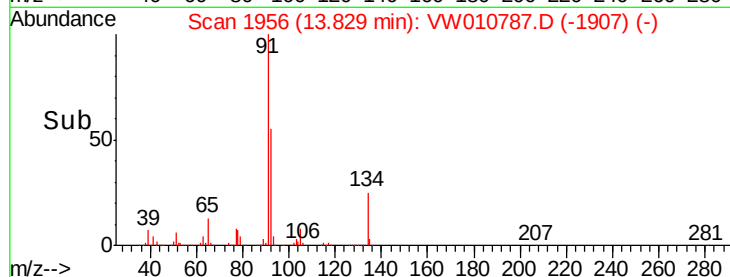
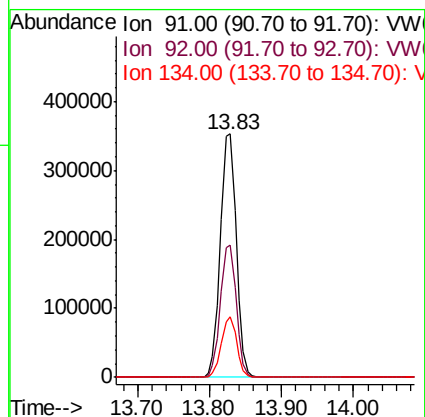
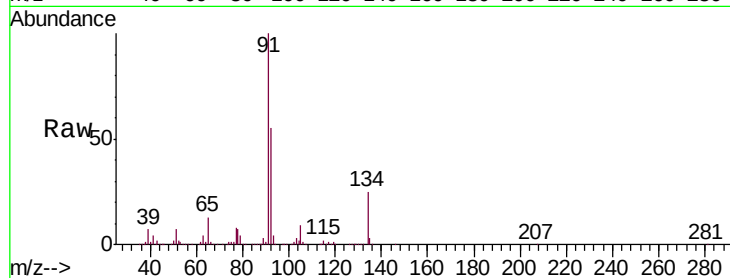
Tgt Ion: 91 Resp: 541788

Ion Ratio Lower Upper

91 100

92 54.0 27.3 81.8

134 24.1 12.3 36.9



#90

Hexachloroethane

Concen: 48.409 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010787.D

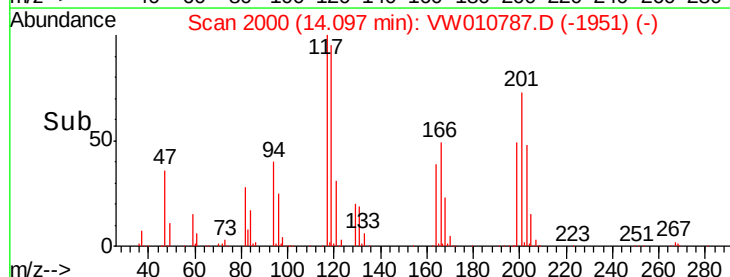
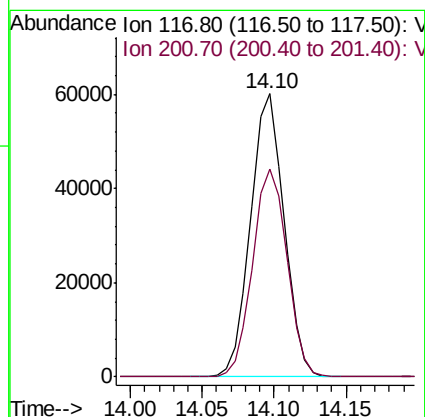
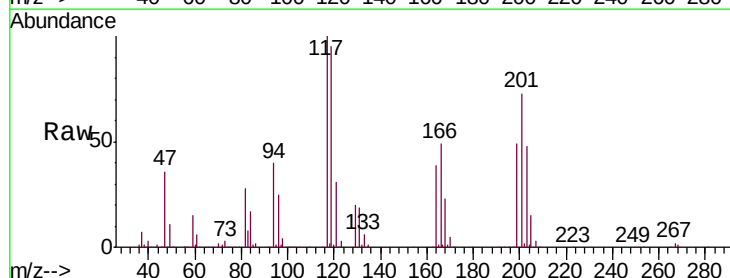
Acq: 12 Jun 2019 19:27

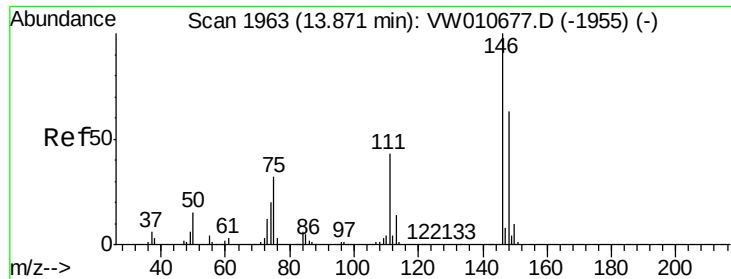
Tgt Ion: 117 Resp: 96487

Ion Ratio Lower Upper

117 100

201 75.5 38.8 116.4

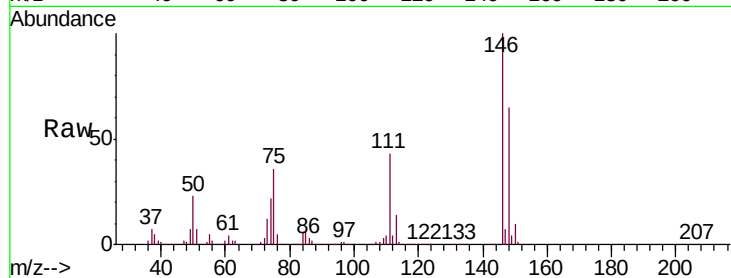




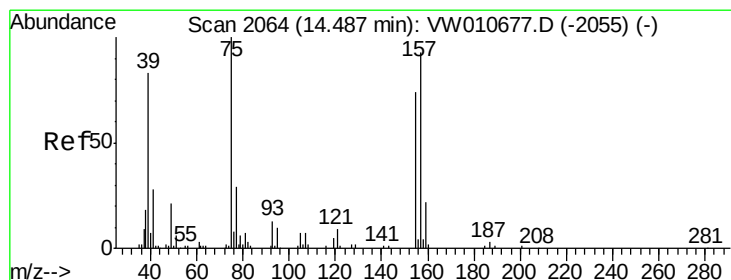
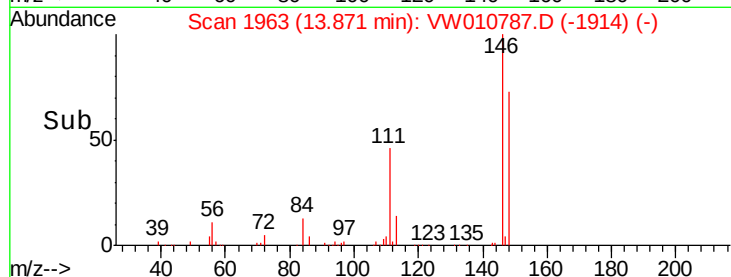
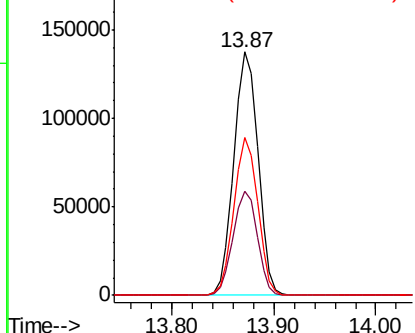
#91
 1,2-Dichlorobenzene
 Concen: 48.341 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 225189
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.5 64.5
 148 63.7 31.9 95.5

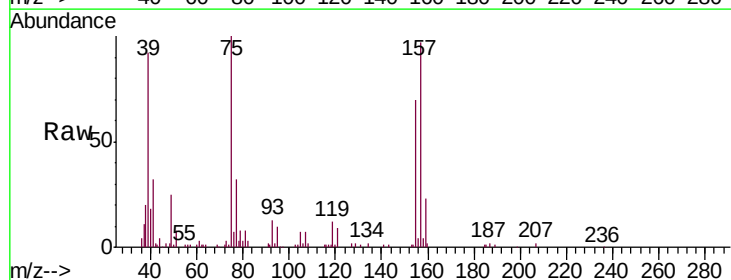


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

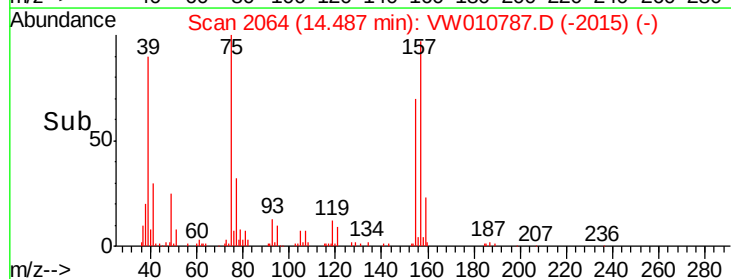
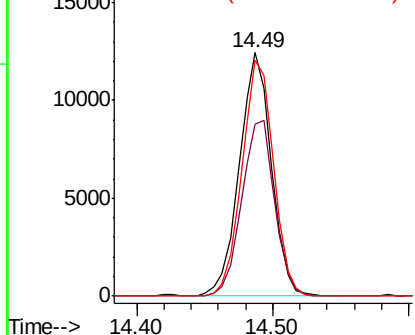


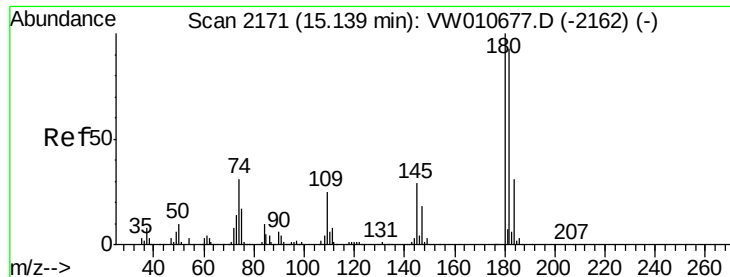
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.639 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion: 75 Resp: 20371
 Ion Ratio Lower Upper
 75 100
 155 74.1 38.8 116.4
 157 96.1 48.4 145.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

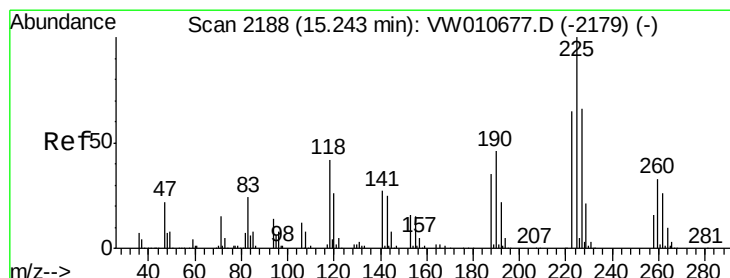
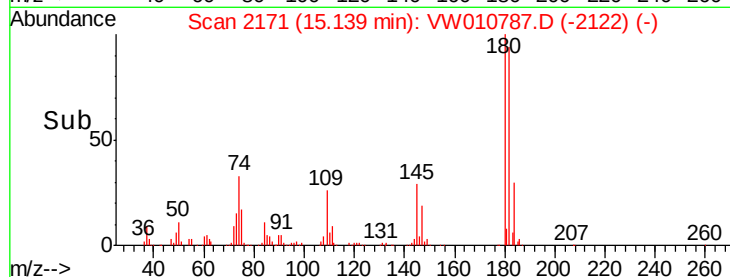
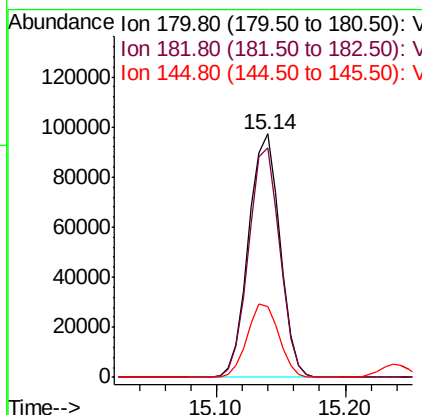
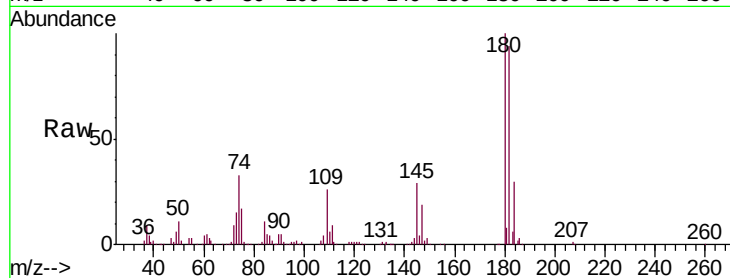




#93
 1,2,4-Trichlorobenzene
 Concen: 49.820 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

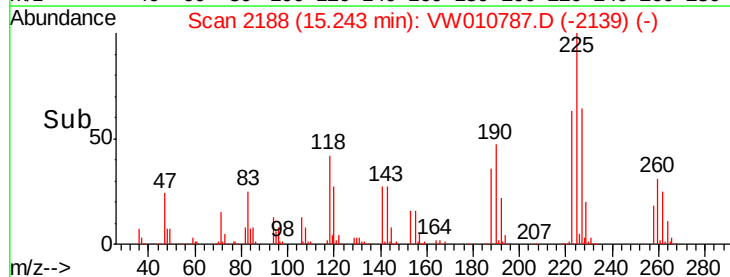
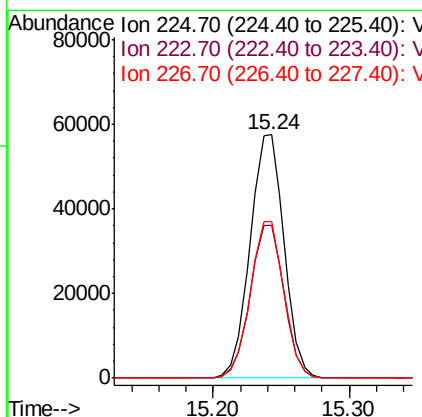
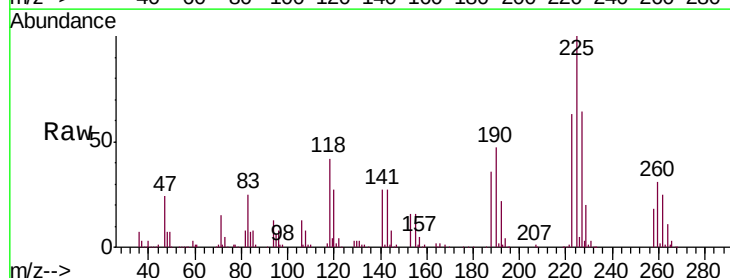
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

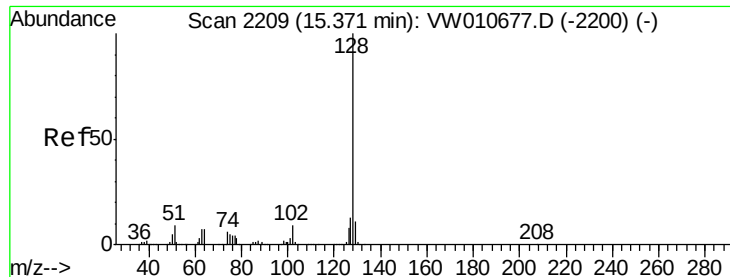
Tgt Ion:180 Resp: 162863
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.1 141.4
 145 30.8 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 49.101 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010787.D
 Acq: 12 Jun 2019 19:27

Tgt Ion:225 Resp: 100738
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.2 96.6
 227 63.6 32.0 96.0

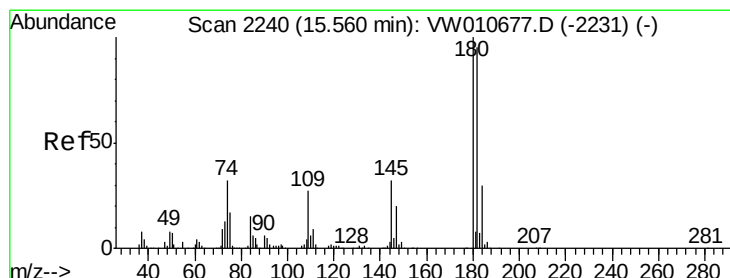
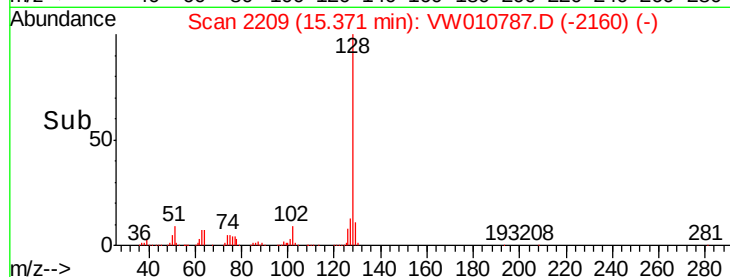
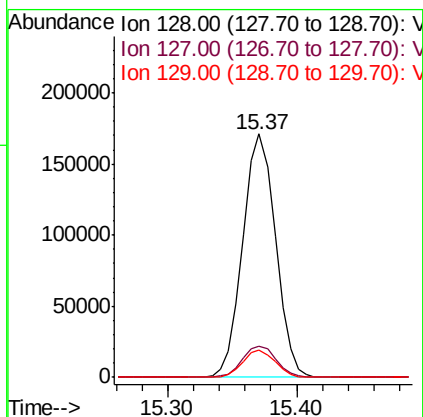
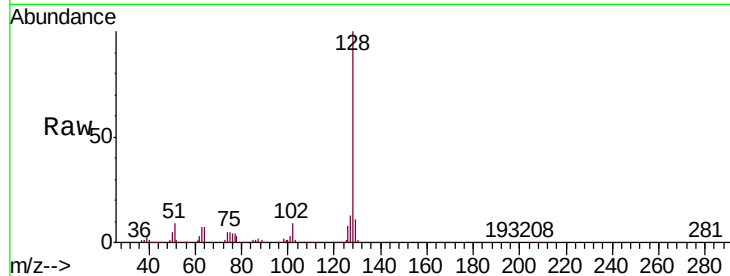




#95
Naphthalene
Concen: 50.800 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 301721
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 50.707 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010787.D
Acq: 12 Jun 2019 19:27

Tgt Ion:180 Resp: 140972
Ion Ratio Lower Upper
180 100
182 96.1 47.0 141.0
145 32.6 16.1 48.3

