

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010676.D
 Acq On : 04 Jun 2019 15:14
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jun 05 02:31:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	269506	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	388196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	187875	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	64456	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	
35) Dibromofluoromethane	7.88	113	48419	20.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.68%	
50) Toluene-d8	10.32	98	211826	20.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.60%	
62) 4-Bromofluorobenzene	12.62	95	77157	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	51709	20.762	ug/l	98
3) Chloromethane	2.21	50	76130	20.777	ug/l	100
4) Vinyl Chloride	2.35	62	70227	20.744	ug/l	99
5) Bromomethane	2.74	94	36449	19.606	ug/l	95
6) Chloroethane	2.90	64	41861	20.600	ug/l	99
7) Trichlorofluoromethane	3.24	101	89490	20.364	ug/l	99
8) Diethyl Ether	3.68	74	31263	19.907	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54805	20.284	ug/l	99
10) Methyl Iodide	4.27	142	48483	20.320	ug/l	99
11) Tert butyl alcohol	5.17	59	26366	101.882	ug/l	98
12) 1,1-Dichloroethene	4.03	96	52515	20.149	ug/l	98
13) Acrolein	3.89	56	10197	96.426	ug/l	99
14) Allyl chloride	4.67	41	113277	19.711	ug/l	99
15) Acrylonitrile	5.37	53	77923	102.132	ug/l	99
16) Acetone	4.12	43	80420	94.483	ug/l	99
17) Carbon Disulfide	4.37	76	163579	19.771	ug/l	99
18) Methyl Acetate	4.67	43	36565	19.957	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	151917	20.210	ug/l	98
20) Methylene Chloride	4.91	84	59136	19.805	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	59676	20.170	ug/l	97
22) Diisopropyl ether	6.31	45	230050	19.995	ug/l	97
23) Vinyl Acetate	6.26	43	695416	100.157	ug/l	99
24) 1,1-Dichloroethane	6.21	63	116091	20.135	ug/l	99
25) 2-Butanone	7.17	43	117167	99.273	ug/l	100
26) 2,2-Dichloropropane	7.17	77	94057	20.047	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	65173	20.016	ug/l	99
28) Bromochloromethane	7.51	49	46358	18.016	ug/l	97
29) Tetrahydrofuran	7.53	42	75159	101.242	ug/l	99
30) Chloroform	7.68	83	105213	19.950	ug/l	99
31) Cyclohexane	7.95	56	126368	19.716	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	91603	19.884	ug/l	99
36) 1,1-Dichloropropene	8.08	75	91586	20.405	ug/l	100
37) Ethyl Acetate	7.25	43	50884	20.458	ug/l	100
38) Carbon Tetrachloride	8.07	117	77286	19.947	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115855	20.305	ug/l	99
40) Benzene	8.32	78	247749	20.233	ug/l	99
41) Methacrylonitrile	7.48	41	28297	19.140	ug/l	95
42) 1,2-Dichloroethane	8.40	62	78903	20.303	ug/l	100
43) Isopropyl Acetate	8.43	43	98562	20.512	ug/l	99
44) Trichloroethene	9.09	130	60857	20.148	ug/l	99
45) 1,2-Dichloropropane	9.37	63	65695	20.268	ug/l	98
46) Dibromomethane	9.46	93	30330	20.146	ug/l	98
47) Bromodichloromethane	9.65	83	77128	19.764	ug/l	98
48) Methyl methacrylate	9.43	41	46728	20.169	ug/l	98
49) 1,4-Dioxane	9.45	88	10052	427.057	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	254303	103.594	ug/l	100
52) Toluene	10.39	92	152195	20.202	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	81881	19.809	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	97125	19.968	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	43964	20.271	ug/l	98
56) Ethyl methacrylate	10.65	69	67797	20.315	ug/l	98
57) 1,3-Dichloropropane	10.93	76	83529	20.436	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	180405	103.208	ug/l	99
59) 2-Hexanone	10.97	43	182261	102.732	ug/l	99
60) Dibromochloromethane	11.13	129	47170	19.620	ug/l	99
61) 1,2-Dibromoethane	11.24	107	41348	20.122	ug/l	99
64) Tetrachloroethene	10.87	164	50807	19.712	ug/l	96
65) Chlorobenzene	11.66	112	154495	20.238	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	52632	19.917	ug/l	99
67) Ethyl Benzene	11.73	91	296930	20.239	ug/l	99
68) m/p-Xylenes	11.84	106	213433	40.640	ug/l	99
69) o-Xylene	12.16	106	100993	20.276	ug/l	99
70) Styrene	12.18	104	175545	20.288	ug/l	100
71) Bromoform	12.35	173	27072	19.808	ug/l #	100
73) Isopropylbenzene	12.46	105	284623	20.160	ug/l	99
74) N-amyl acetate	12.27	43	93894	20.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	53912	20.059	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	71523	26.574	ug/l #	100
77) Bromobenzene	12.75	156	61716	20.026	ug/l	99
78) n-propylbenzene	12.80	91	342186	20.101	ug/l	100
79) 2-Chlorotoluene	12.90	91	195416	20.092	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	234193	20.266	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16477	19.194	ug/l	97
82) 4-Chlorotoluene	12.99	91	200920	20.019	ug/l	100
83) tert-Butylbenzene	13.21	119	198268	20.216	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	234616	20.176	ug/l	99
85) sec-Butylbenzene	13.38	105	288511	20.205	ug/l	100
86) p-Isopropyltoluene	13.50	119	258179	20.219	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	120035	20.198	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	119207	20.233	ug/l	99
89) n-Butylbenzene	13.83	91	258236	20.269	ug/l	100
90) Hexachloroethane	14.10	117	45097	19.721	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	108742	20.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9580	20.757	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Jun 05 02:25:28 2019
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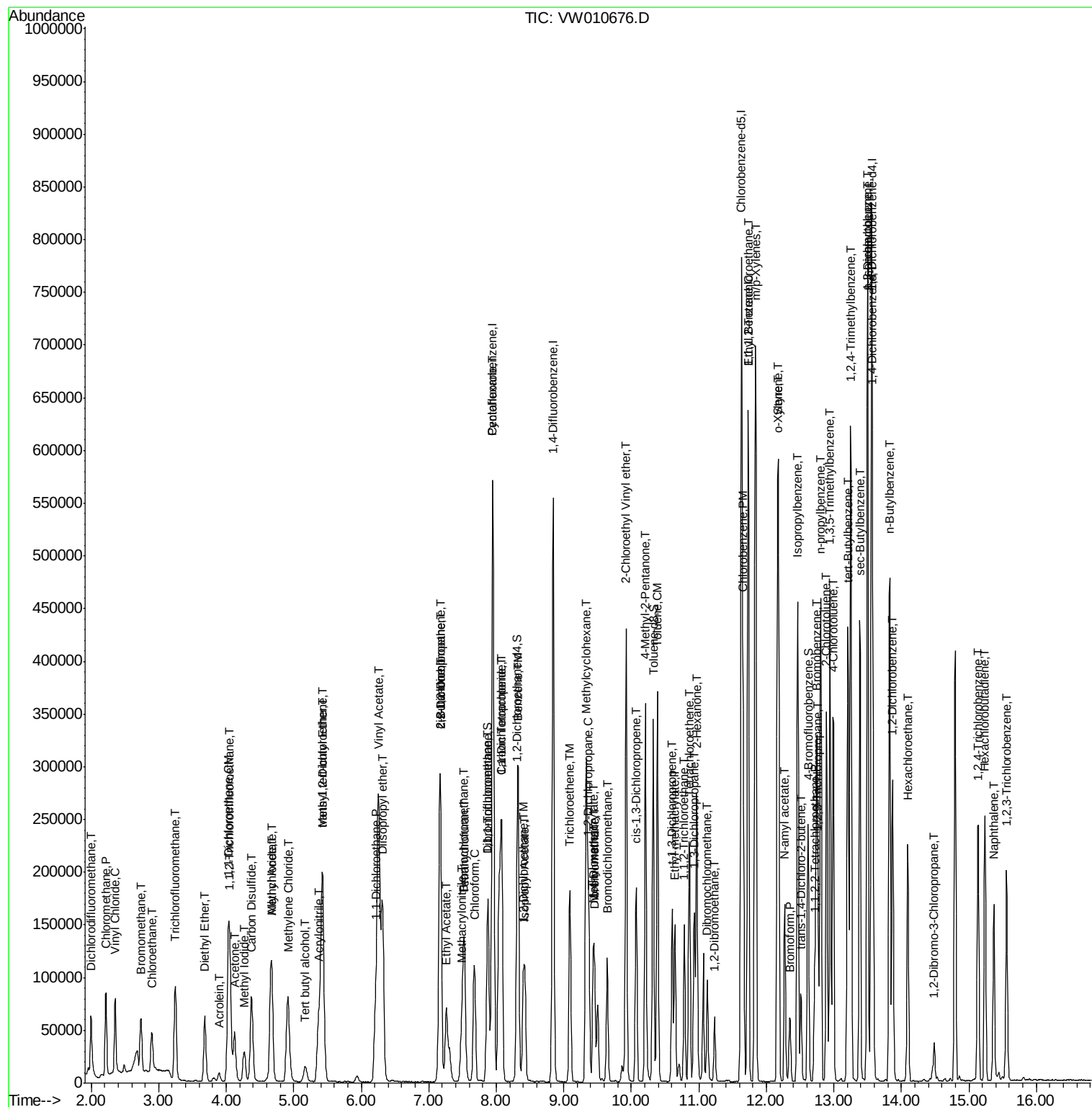
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75131	20.032	ug/l	98
94) Hexachlorobutadiene	15.24	225	48251	20.499	ug/l	99
95) Naphthalene	15.37	128	137485	20.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	65495	20.534	ug/l	98

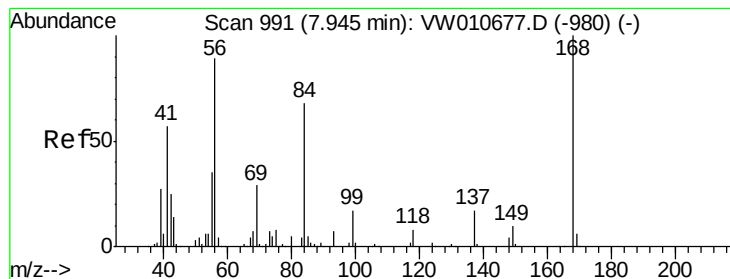
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

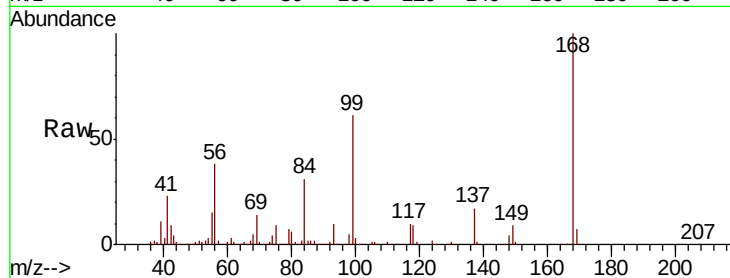
VSTDIC020

Tot Ion:168 Resp: 269506

Ion Ratio Lower Upper

168 100

99 60.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

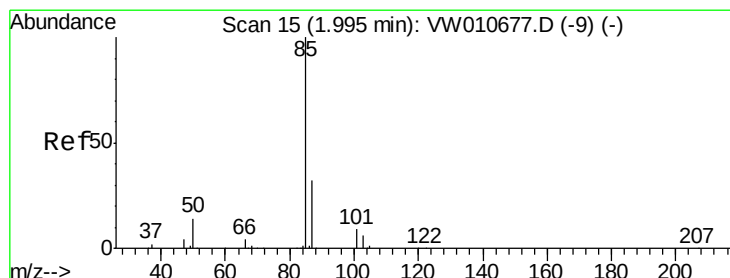
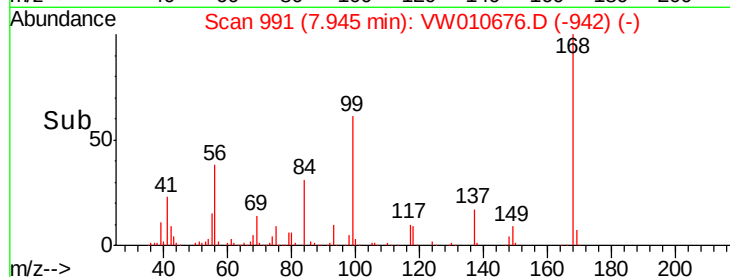
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.762 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010676.D

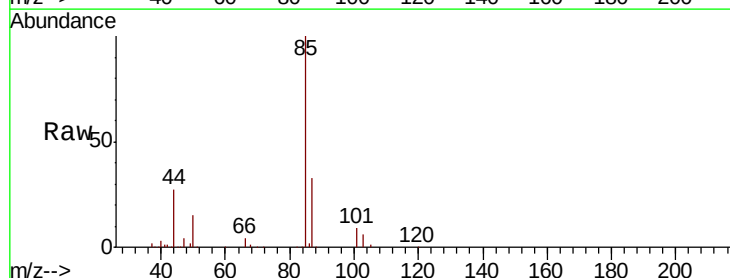
Acq: 04 Jun 2019 15:14

Tgt Ion: 85 Resp: 51709

Ion Ratio Lower Upper

85 100

87 33.2 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

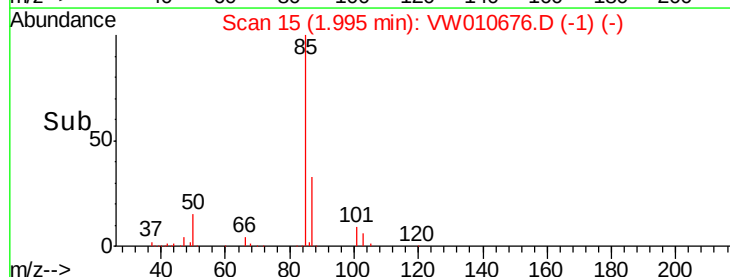
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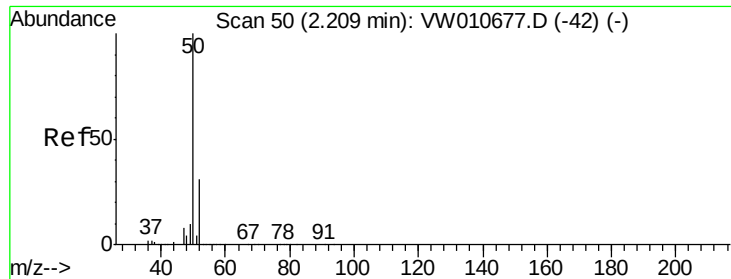
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.777 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

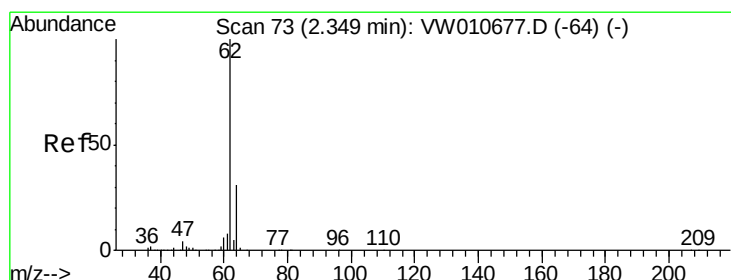
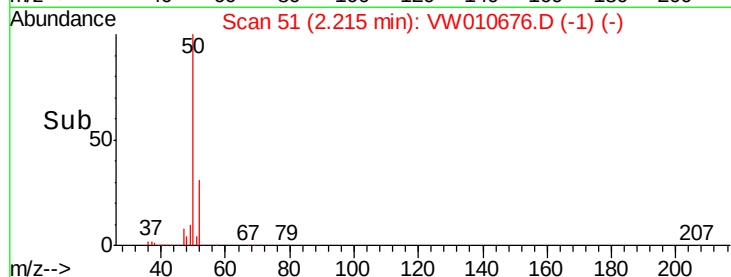
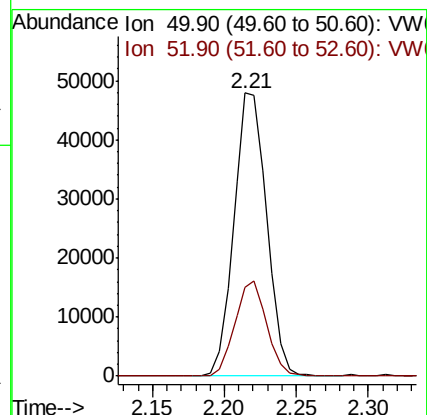
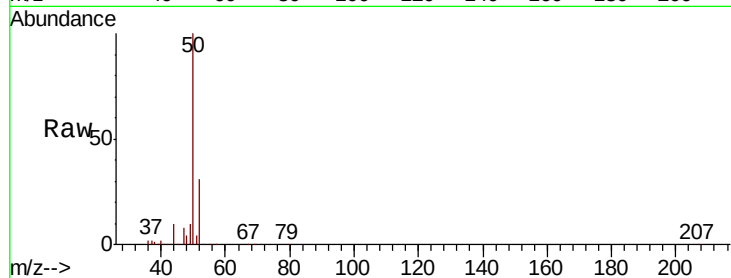
VSTDIC020

Tot Ion: 50 Resp: 76130

Ion Ratio Lower Upper

50 100

52 31.5 25.2 37.8



#4

Vinyl Chloride

Concen: 20.744 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010676.D

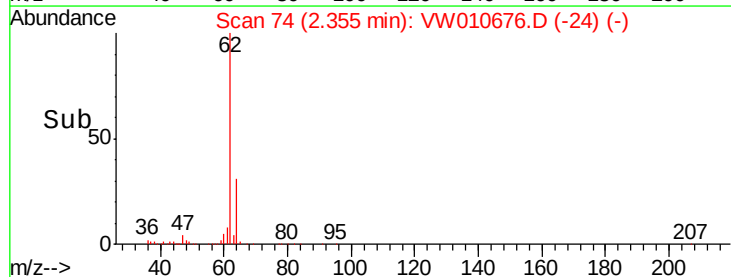
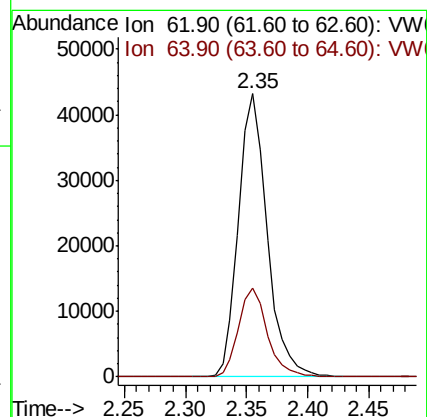
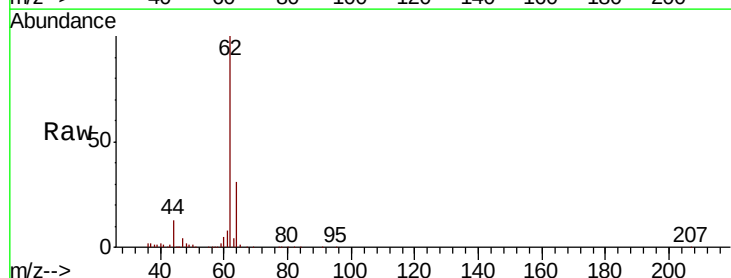
Acq: 04 Jun 2019 15:14

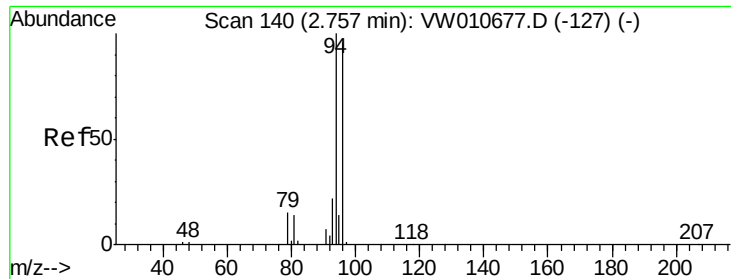
Tgt Ion: 62 Resp: 70227

Ion Ratio Lower Upper

62 100

64 31.3 24.5 36.7





#5

Bromomethane

Concen: 19.606 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.02 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

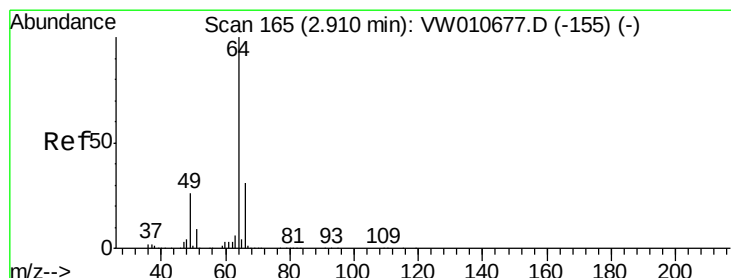
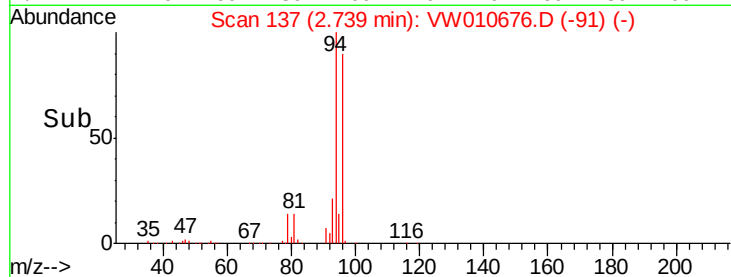
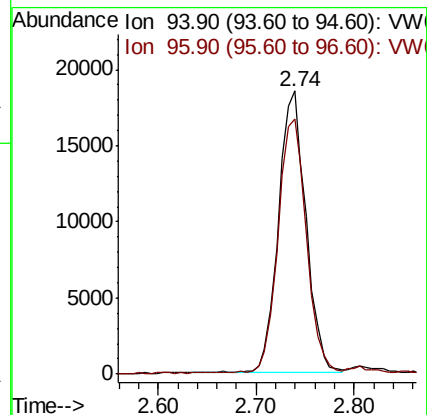
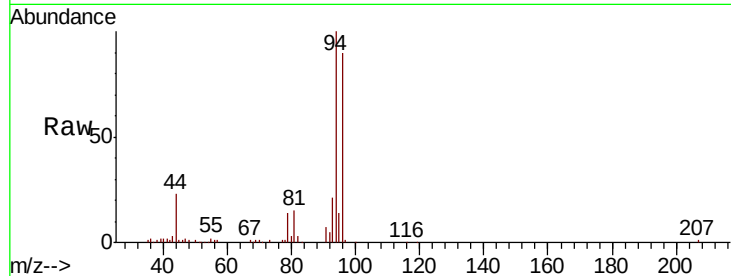
VSTDIC020

Tot Ion: 94 Resp: 36449

Ion Ratio Lower Upper

94 100

96 90.3 76.5 114.7



#6

Chloroethane

Concen: 20.600 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010676.D

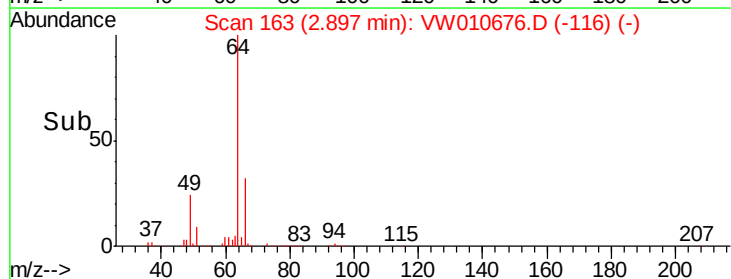
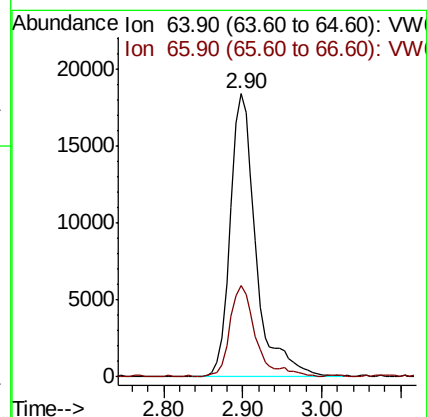
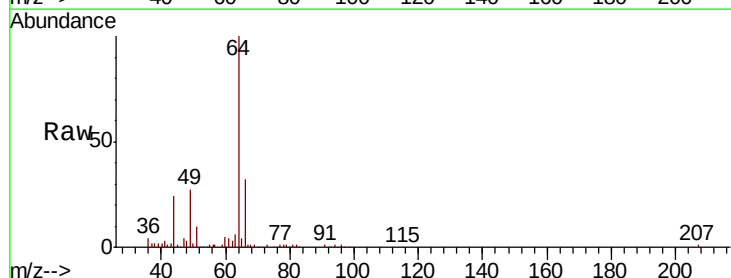
Acq: 04 Jun 2019 15:14

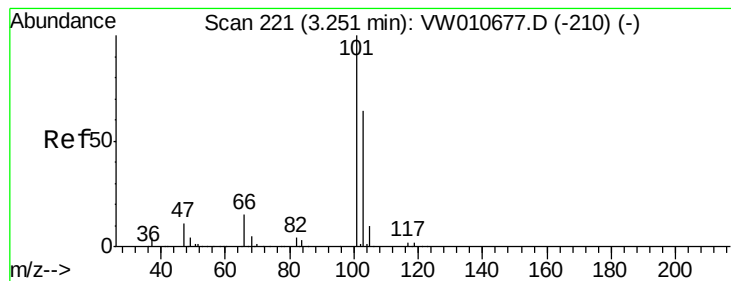
Tgt Ion: 64 Resp: 41861

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7



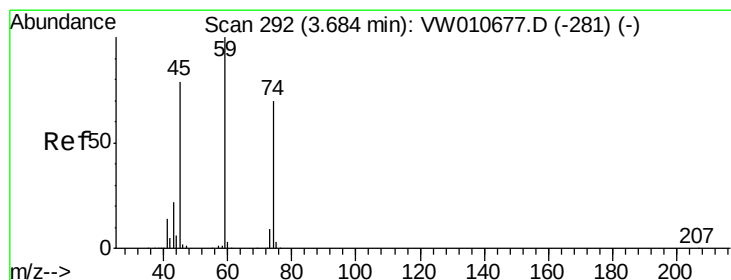
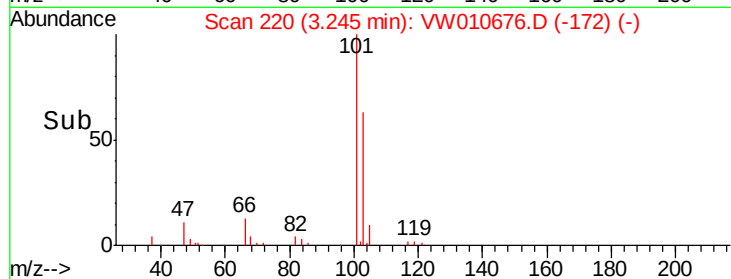
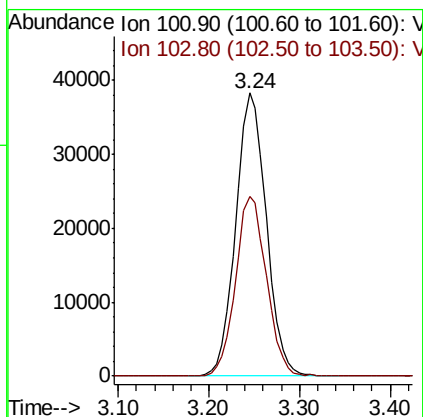
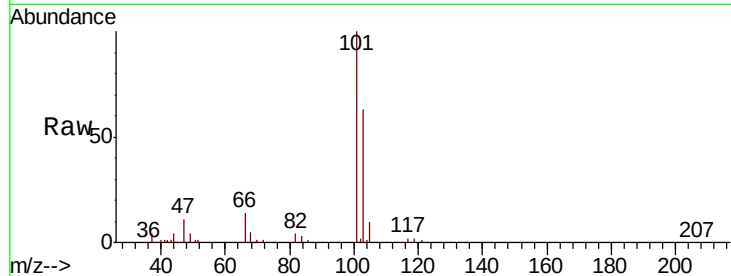


#7

Trichlorofluoromethane
 Concen: 20.364 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

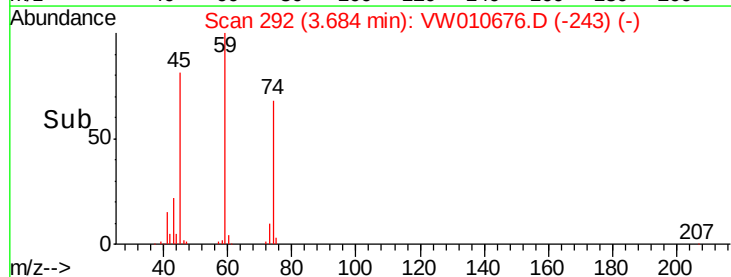
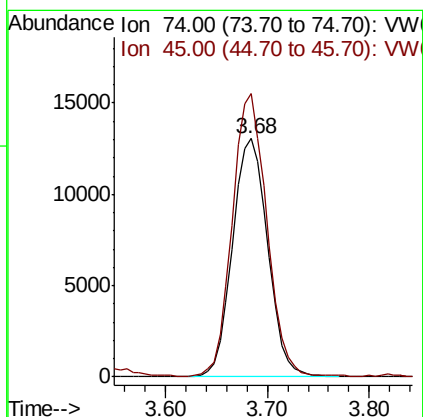
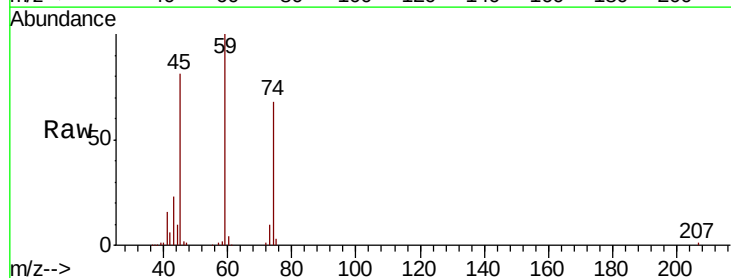
Tot Ion:101 Resp: 89490
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.2 76.8

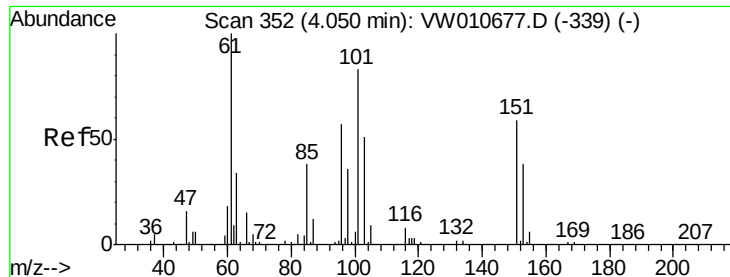


#8

Diethyl Ether
 Concen: 19.907 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 74 Resp: 31263
 Ion Ratio Lower Upper
 74 100
 45 117.1 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

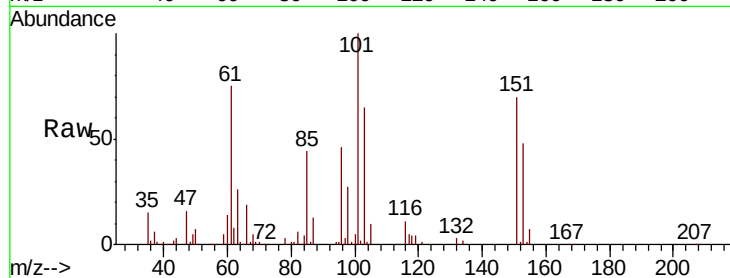
Tot Ion:101 Resp: 54805

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.8

151 73.6 58.1 87.1

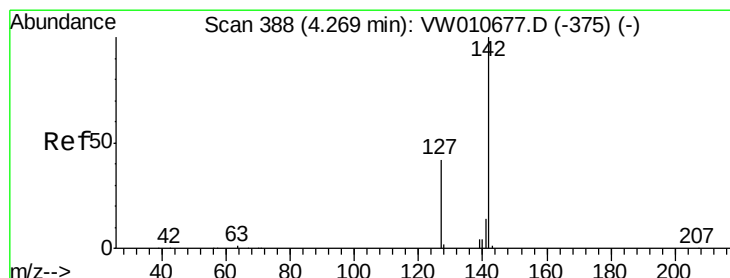
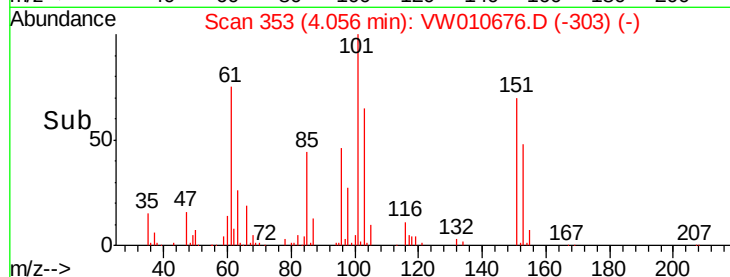
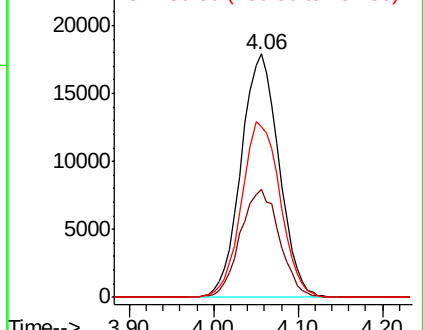


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.320 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

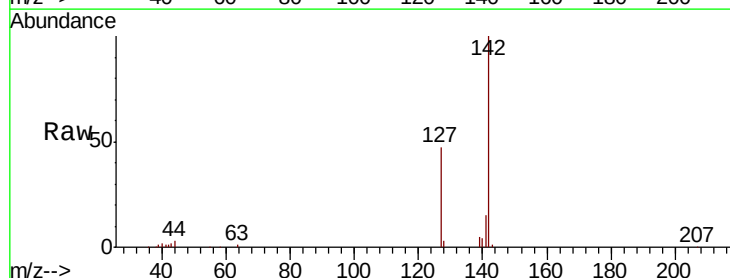
Tgt Ion:142 Resp: 48483

Ion Ratio Lower Upper

142 100

127 44.2 34.6 51.8

141 14.4 11.6 17.4

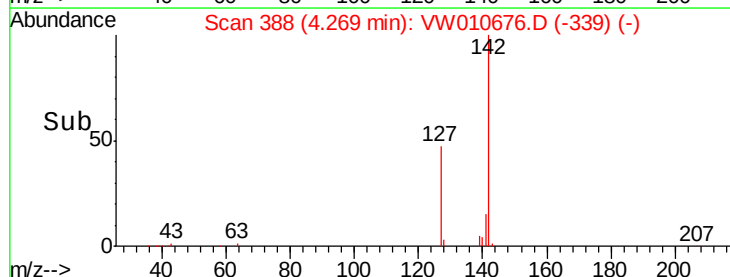
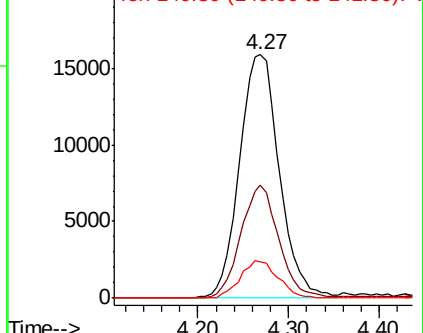


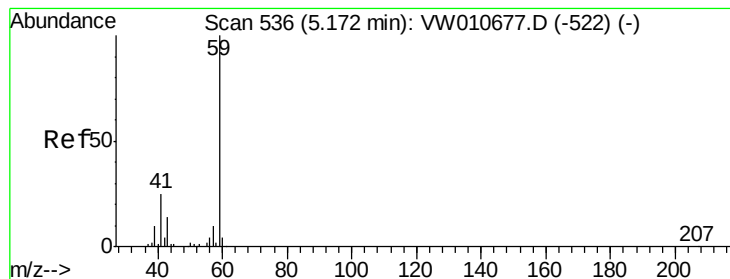
Abundance

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



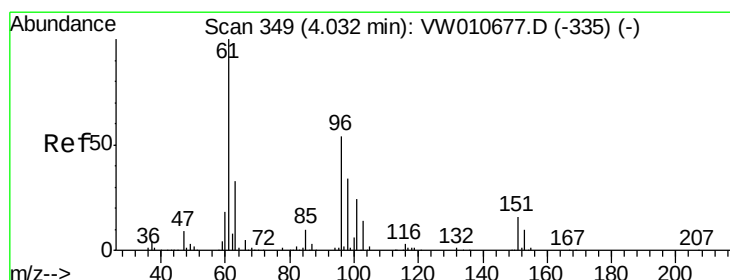
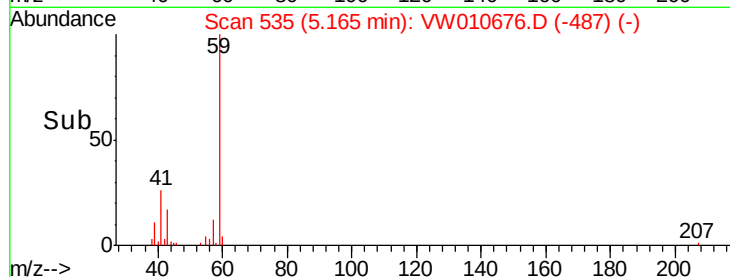
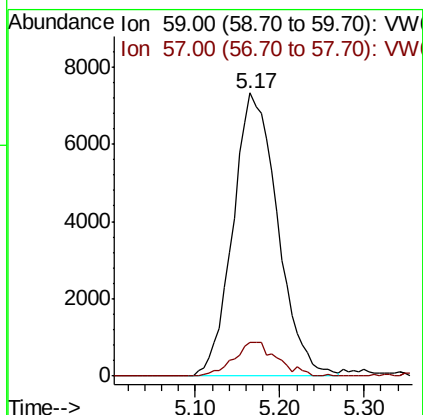
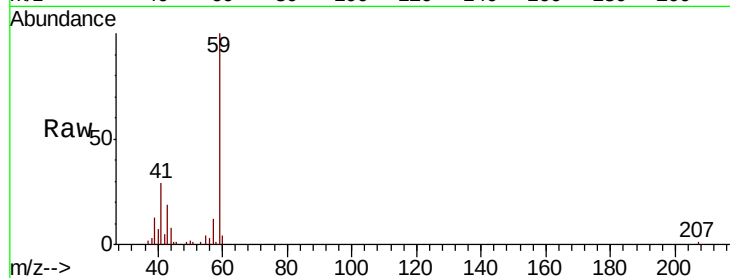


#11

Tert butyl alcohol
Concen: 101.882 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

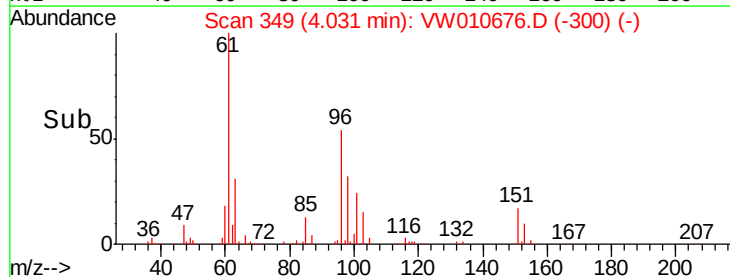
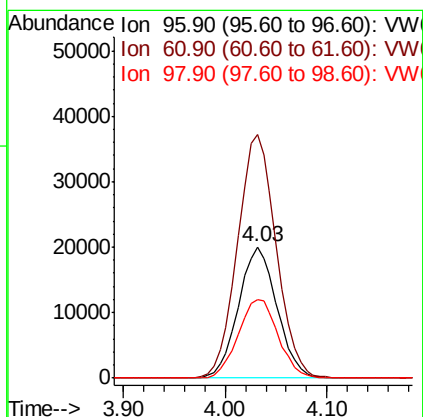
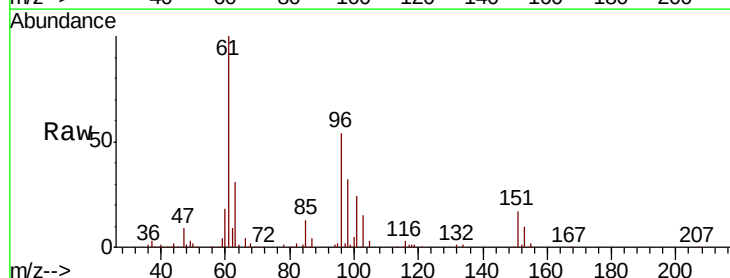
Tot Ion: 59 Resp: 26366
Ion Ratio Lower Upper
59 100
57 11.6 8.6 12.8

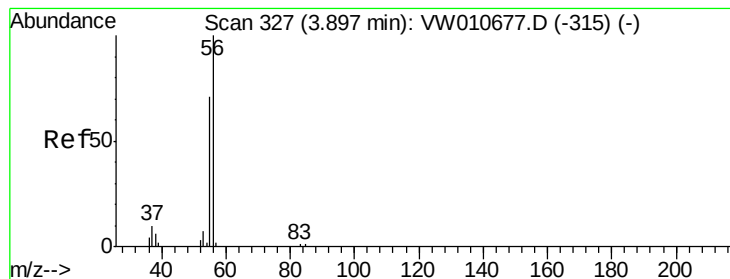


#12

1,1-Dichloroethene
Concen: 20.149 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 96 Resp: 52515
Ion Ratio Lower Upper
96 100
61 185.1 149.1 223.7
98 59.9 51.1 76.7





#13

Acrolein

Concen: 96.426 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

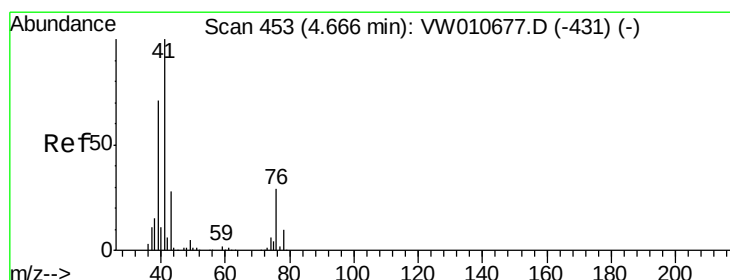
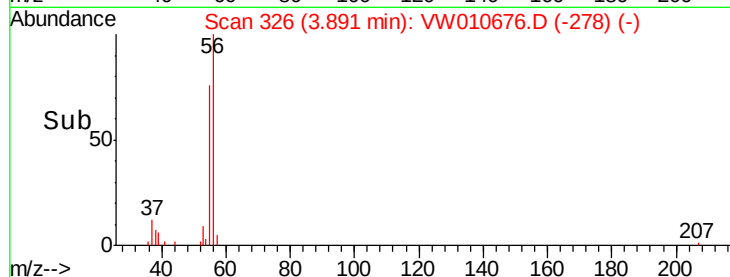
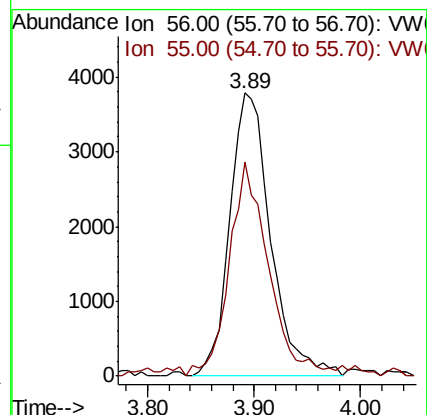
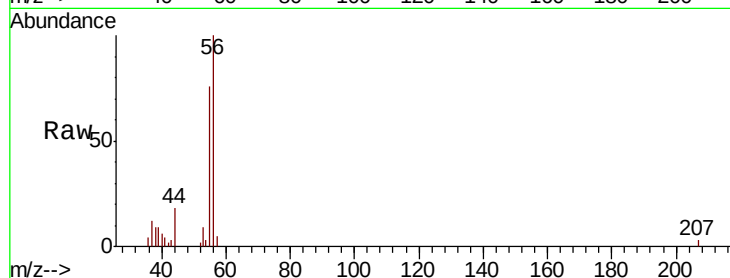
VSTDIC020

Tot Ion: 56 Resp: 10197

Ion Ratio Lower Upper

56 100

55 72.5 57.6 86.4



#14

Allyl chloride

Concen: 19.711 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

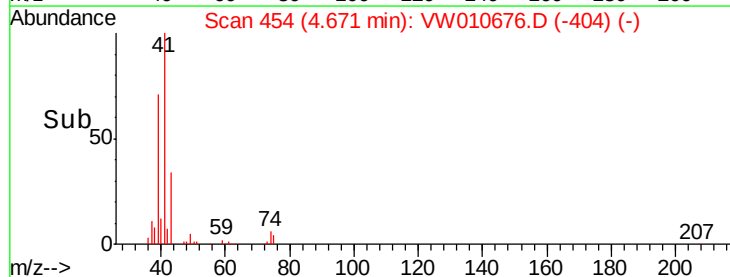
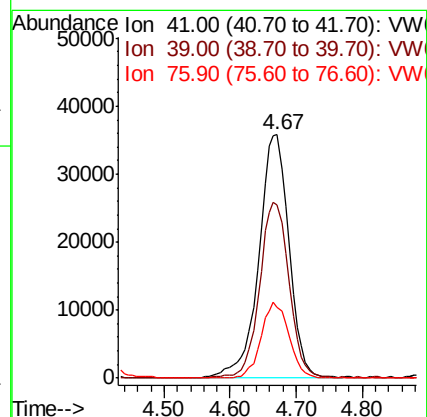
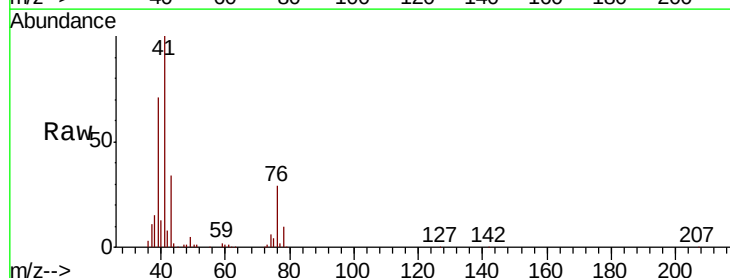
Tgt Ion: 41 Resp: 113277

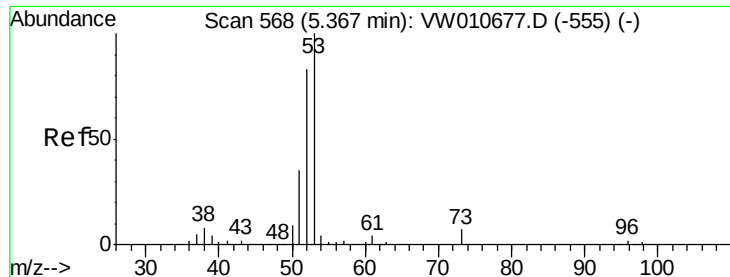
Ion Ratio Lower Upper

41 100

39 70.1 55.8 83.6

76 28.8 22.7 34.1





#15

Acrylonitrile

Concen: 102.132 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

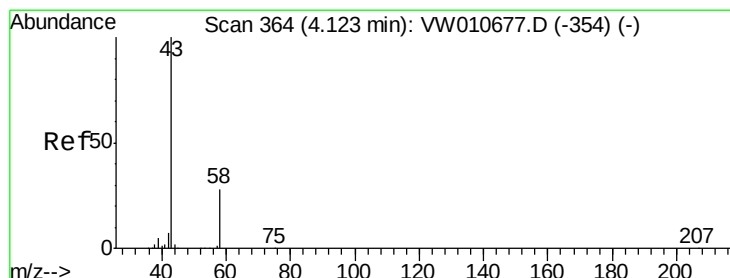
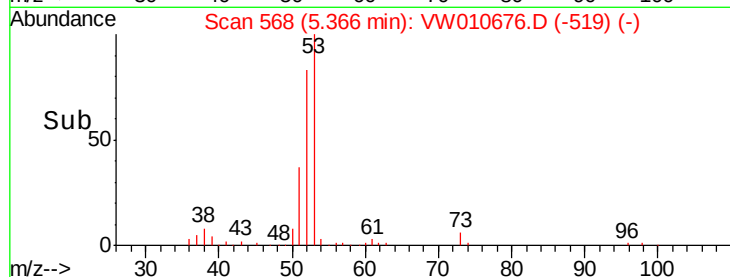
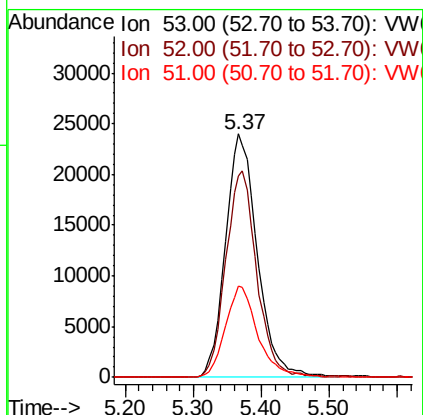
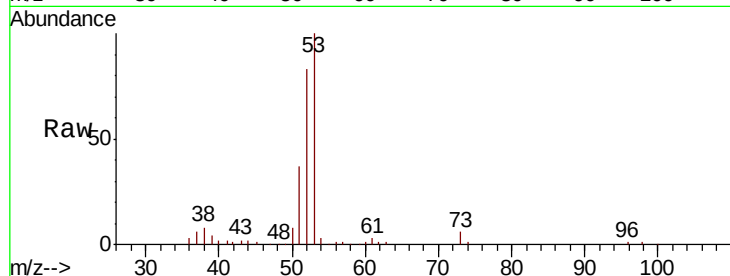
Tot Ion: 53 Resp: 77923

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

51 38.3 29.8 44.8



#16

Acetone

Concen: 94.483 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010676.D

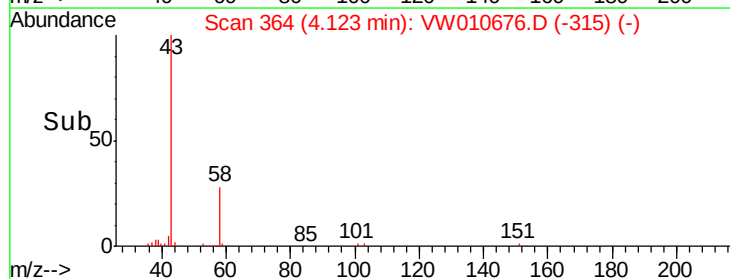
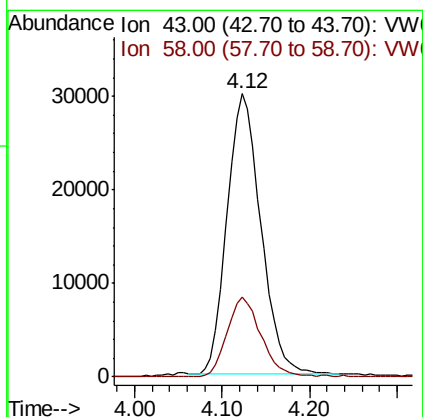
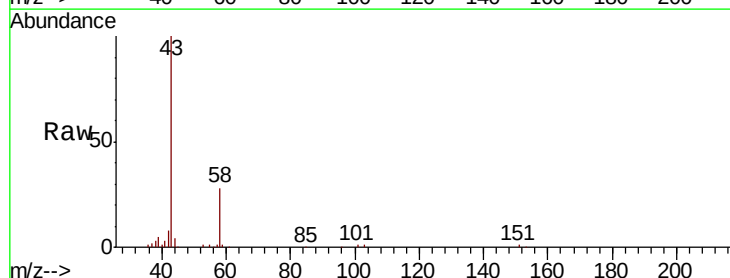
Acq: 04 Jun 2019 15:14

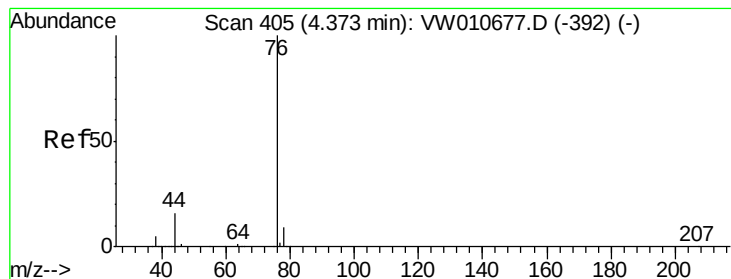
Tgt Ion: 43 Resp: 80420

Ion Ratio Lower Upper

43 100

58 28.3 22.1 33.1





#17

Carbon Disulfide

Concen: 19.771 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

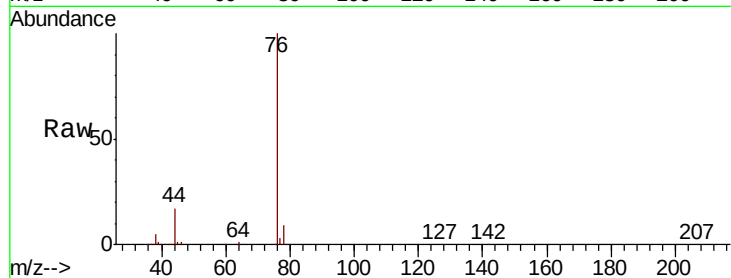
VSTDIC020

Tot Ion: 76 Resp: 163579

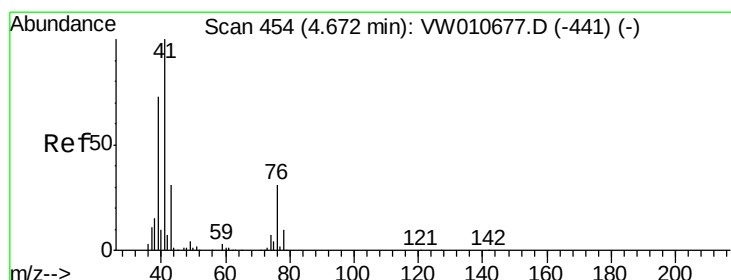
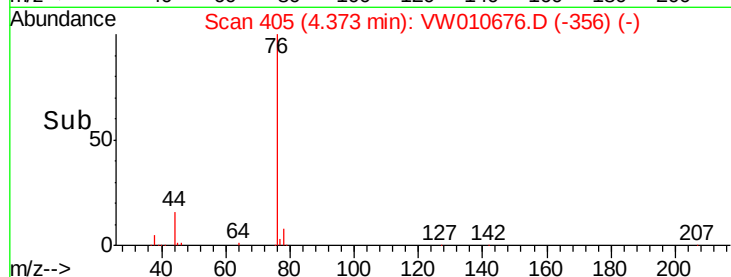
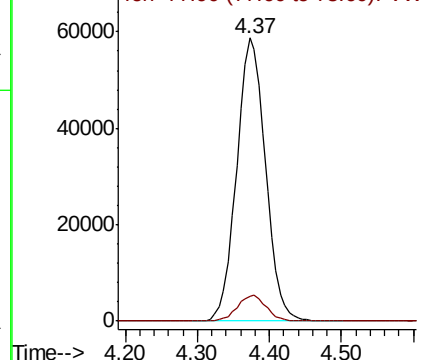
Ion Ratio Lower Upper

76 100

78 8.9 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: 19.957 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010676.D

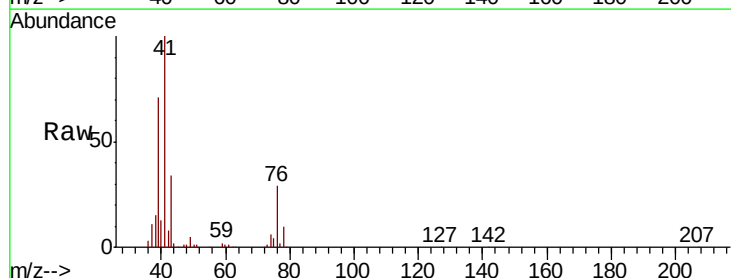
Acq: 04 Jun 2019 15:14

Tgt Ion: 43 Resp: 36565

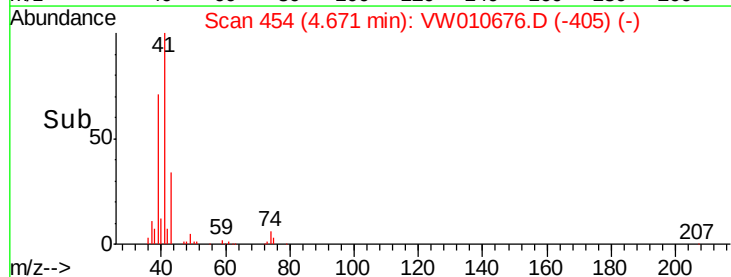
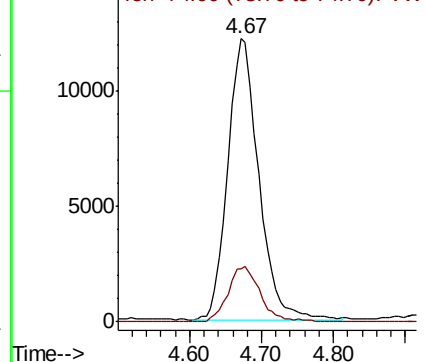
Ion Ratio Lower Upper

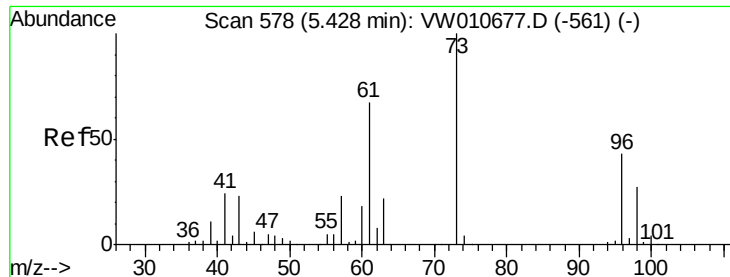
43 100

74 20.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

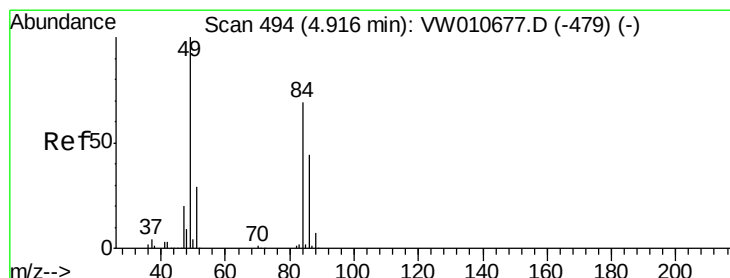
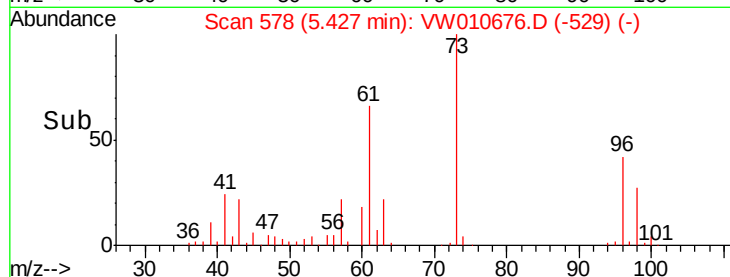
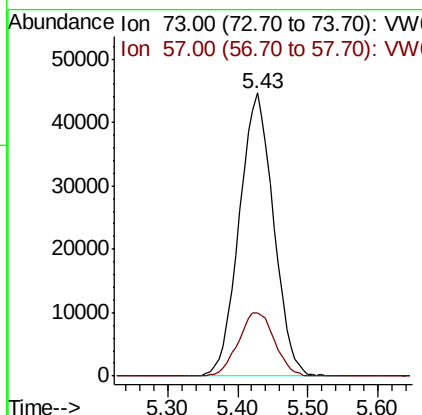
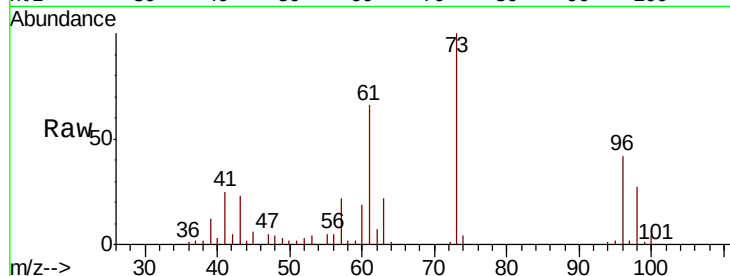




#19
Methyl tert-butyl Ether
Concen: 20.210 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

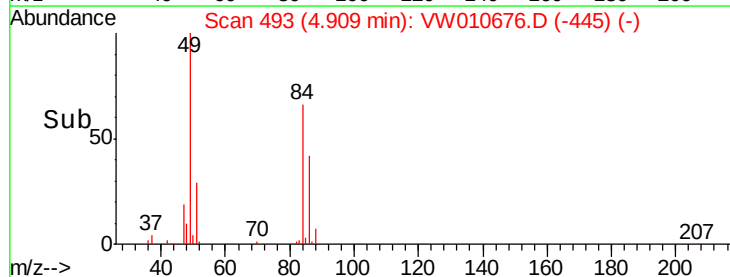
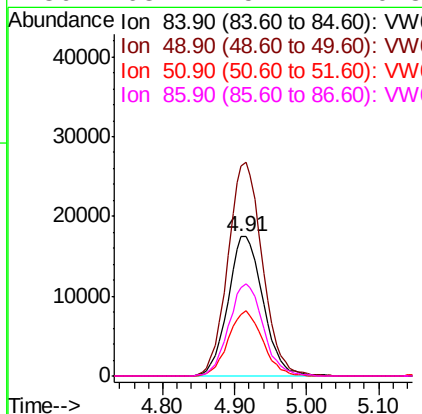
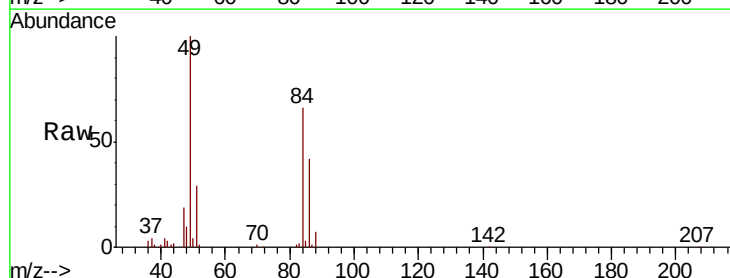
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

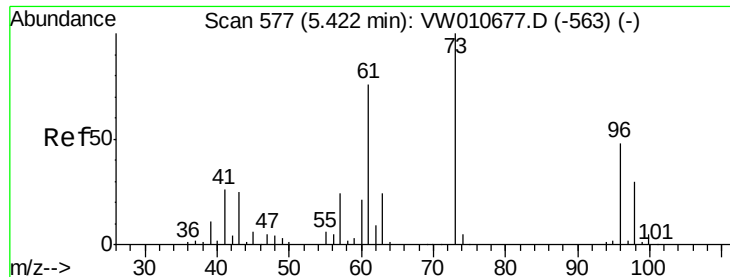
Tot Ion: 73 Resp: 151917
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8



#20
Methylene Chloride
Concen: 19.805 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 84 Resp: 59136
Ion Ratio Lower Upper
84 100
49 150.9 116.7 175.1
51 44.0 34.2 51.2
86 63.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 20.170 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

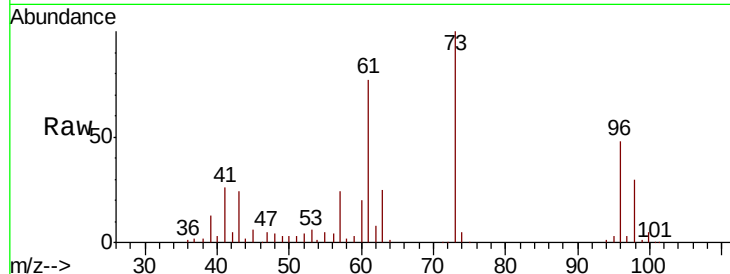
Tot Ion: 96 Resp: 59676

Ion Ratio Lower Upper

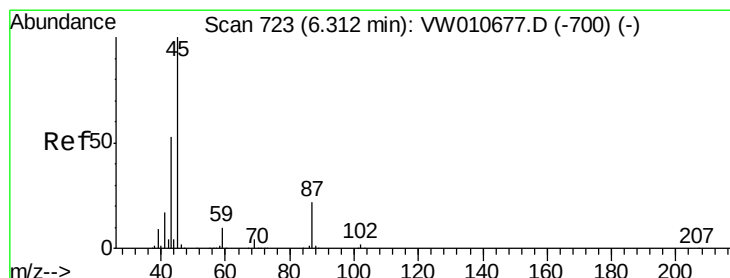
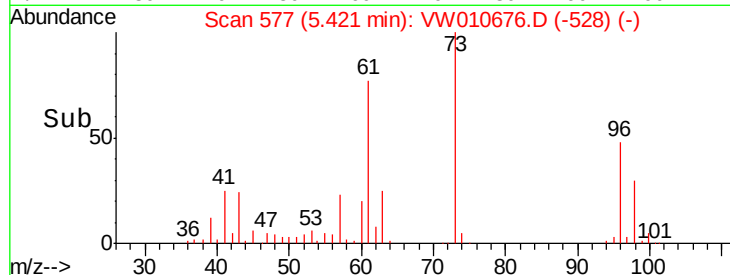
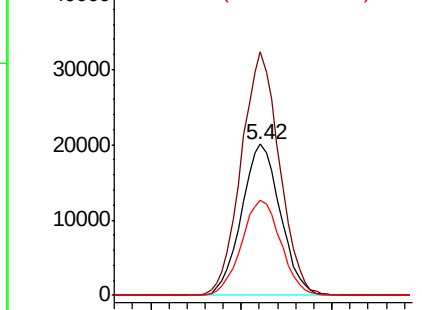
96 100

61 161.2 126.0 189.0

98 63.4 49.6 74.4



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



#22

Diisopropyl ether

Concen: 19.995 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion: 45 Resp: 230050

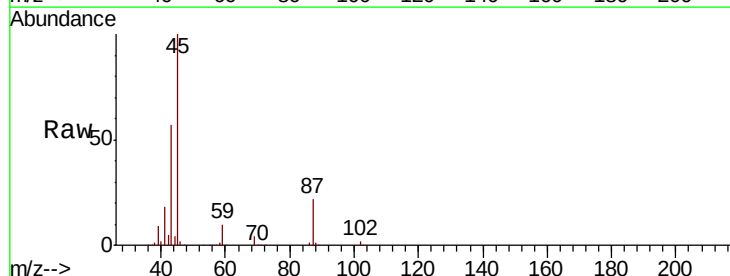
Ion Ratio Lower Upper

45 100

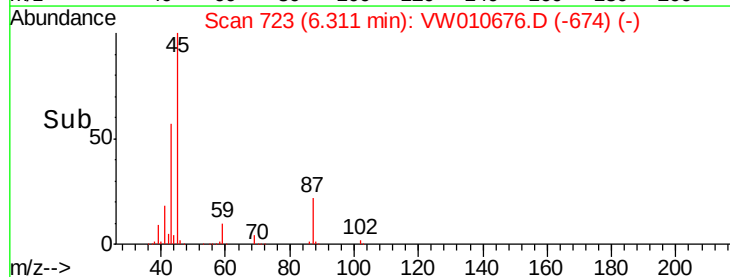
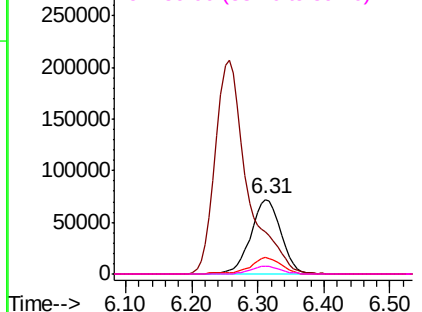
43 56.4 42.5 63.7

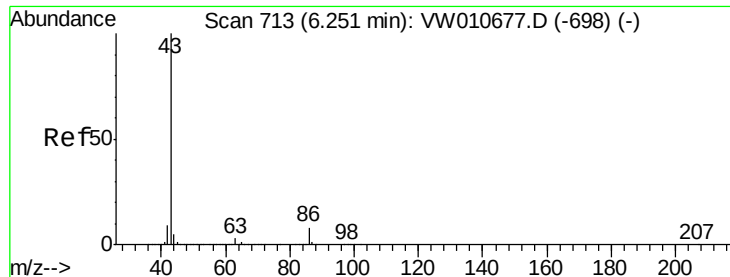
87 21.6 17.4 26.2

59 10.4 8.1 12.1



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 100.157 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

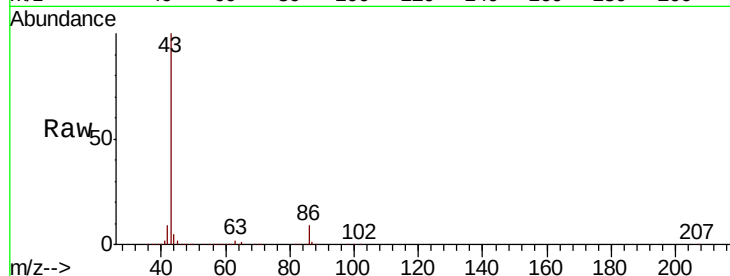
VSTDIC020

Tot Ion: 43 Resp: 695416

Ion Ratio Lower Upper

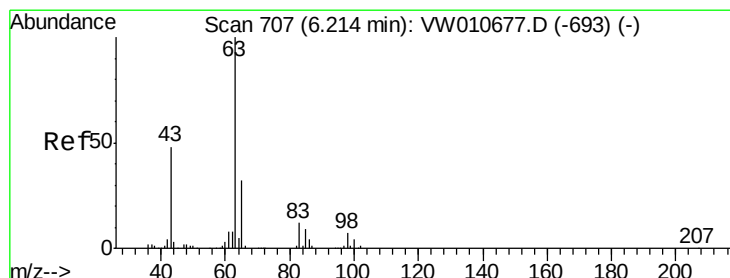
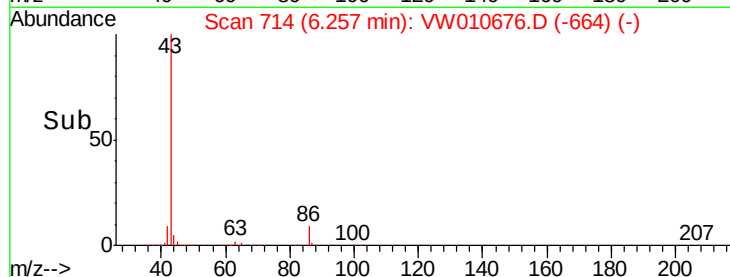
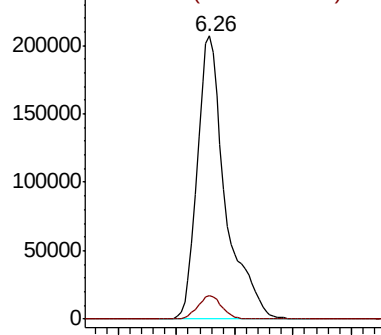
43 100

86 8.5 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.135 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

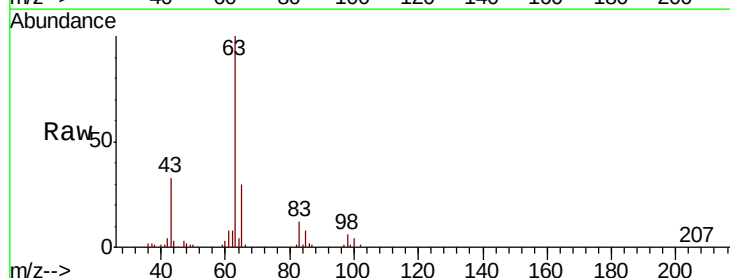
Tgt Ion: 63 Resp: 116091

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

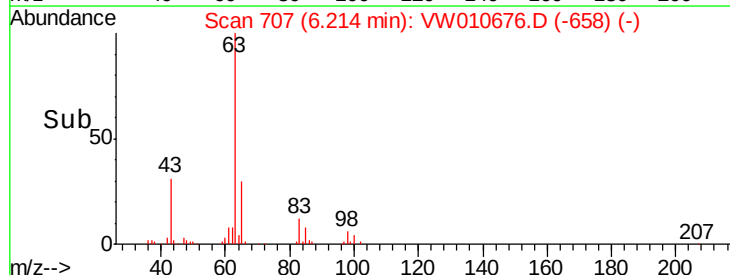
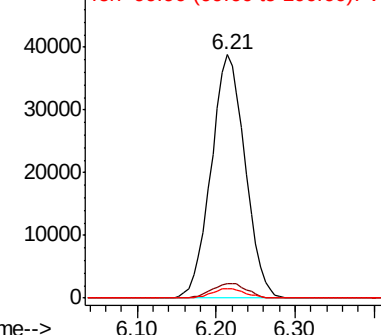
100 4.0 2.1 6.3

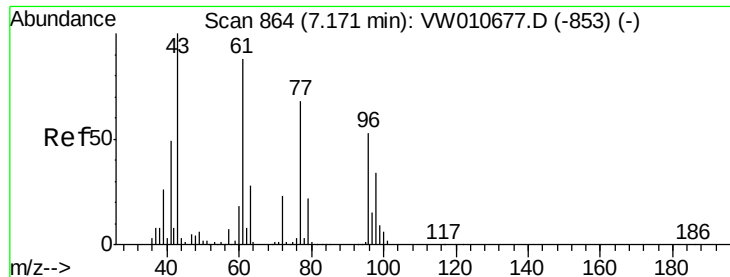


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 99.273 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

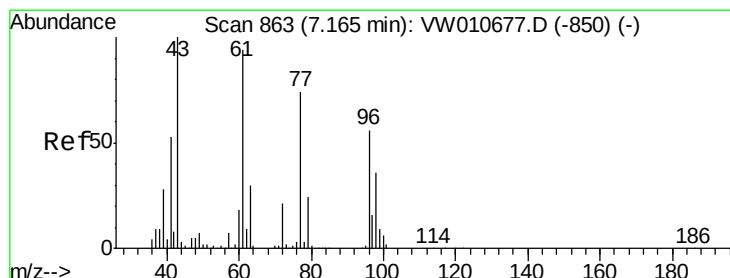
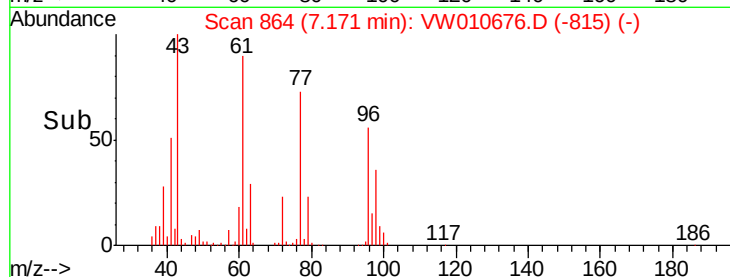
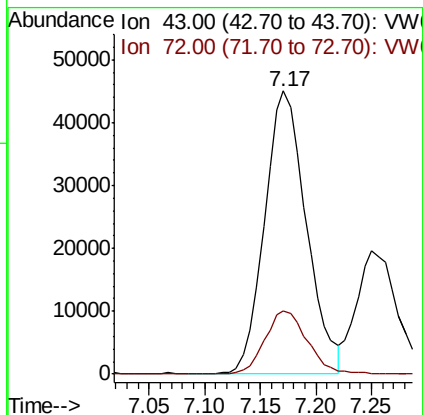
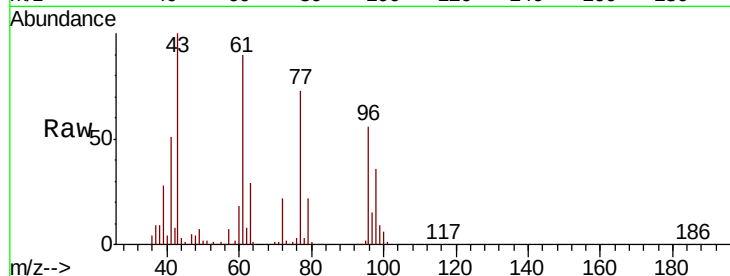
VSTDIC020

Tot Ion: 43 Resp: 117167

Ion Ratio Lower Upper

43 100

72 22.5 18.1 27.1



#26

2,2-Dichloropropane

Concen: 20.047 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW010676.D

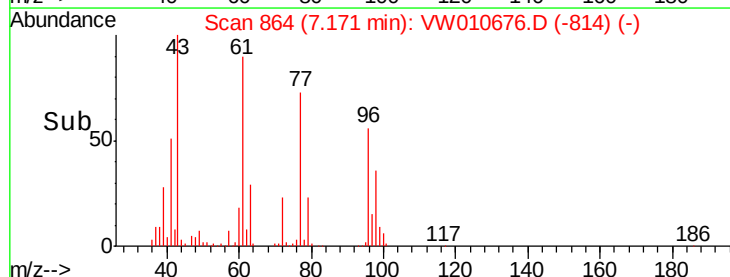
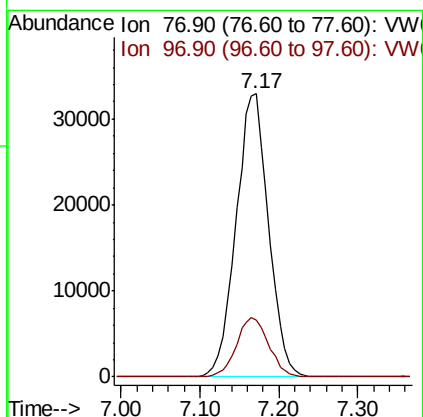
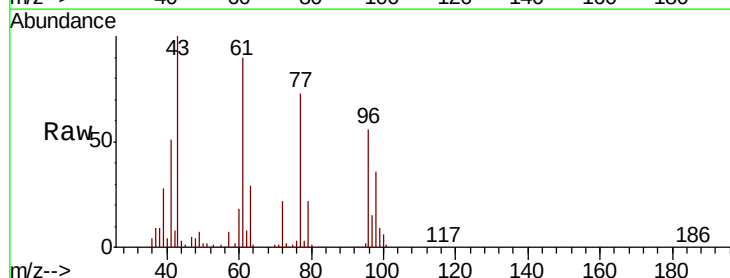
Acq: 04 Jun 2019 15:14

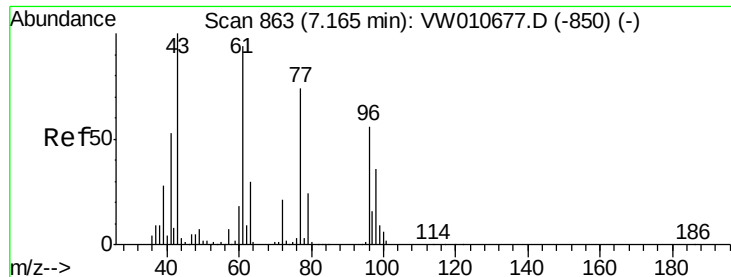
Tgt Ion: 77 Resp: 94057

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.6



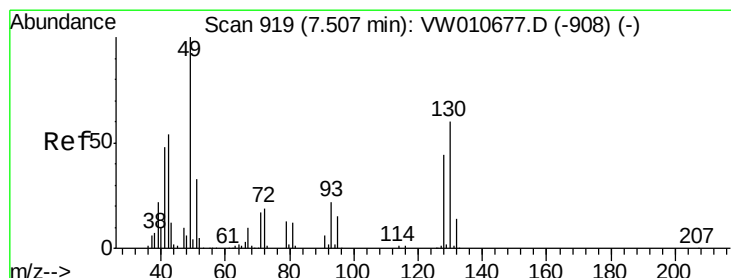
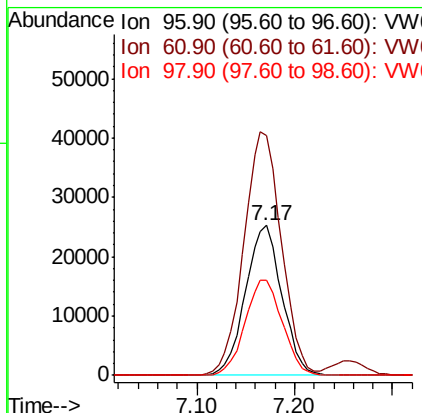
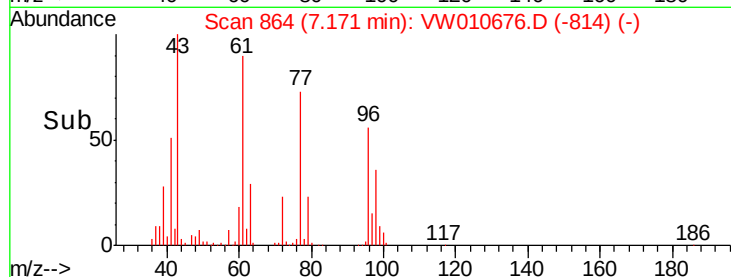
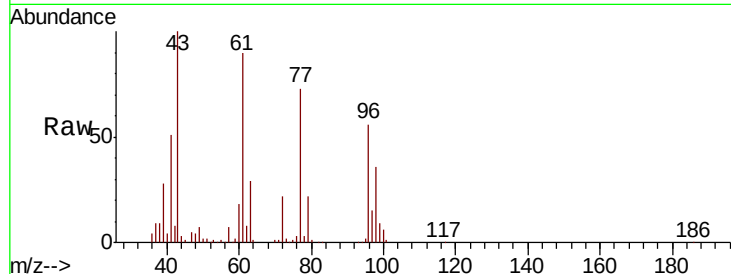


#27

cis-1,2-Dichloroethene
 Concen: 20.016 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

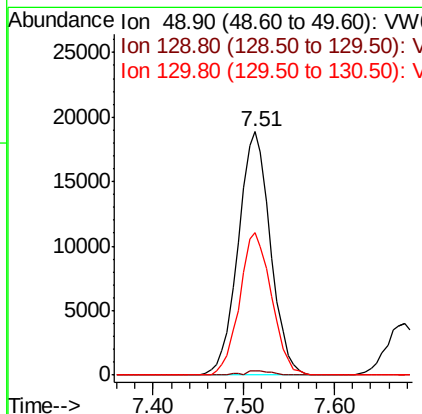
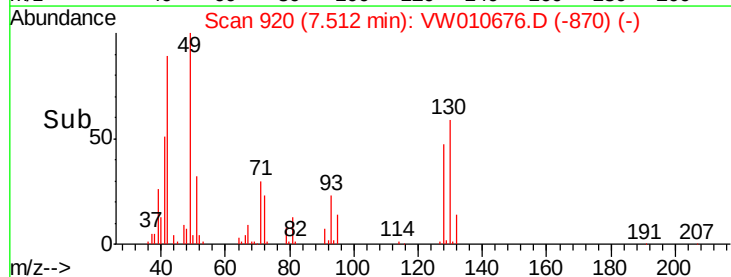
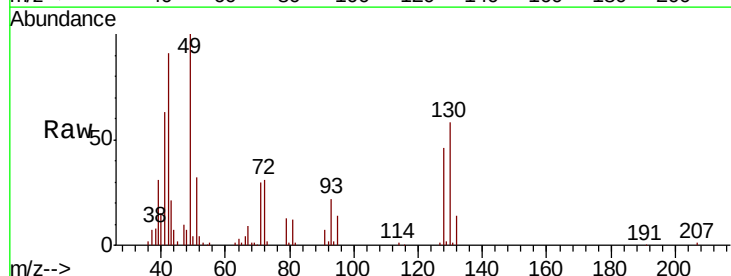
Tot Ion: 96 Resp: 65173
 Ion Ratio Lower Upper
 96 100
 61 167.6 0.0 336.4
 98 65.1 0.0 128.0

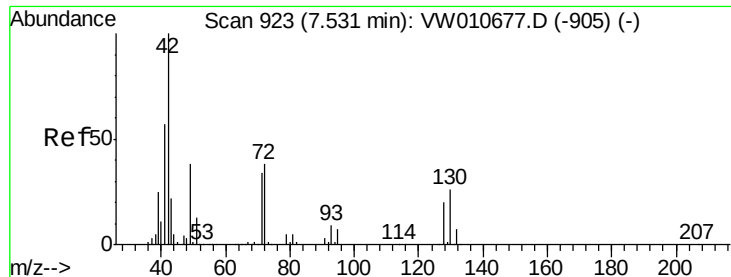


#28

Bromochloromethane
 Concen: 18.016 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 49 Resp: 46358
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.2
 130 58.1 48.3 72.5

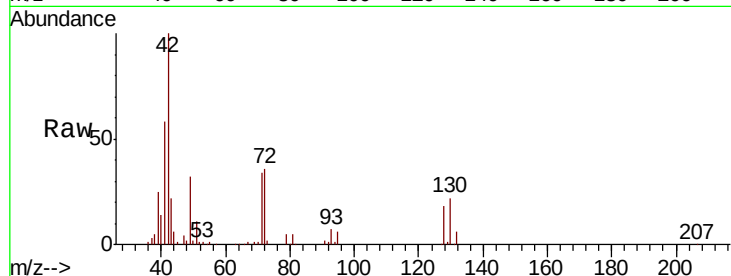




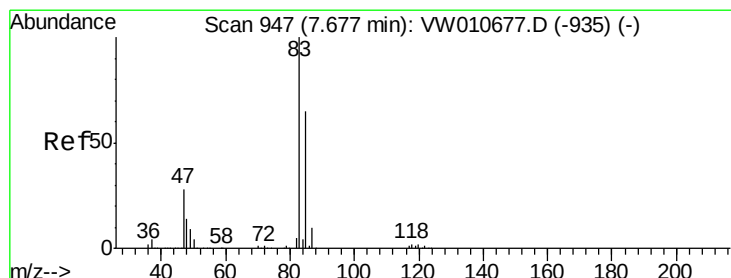
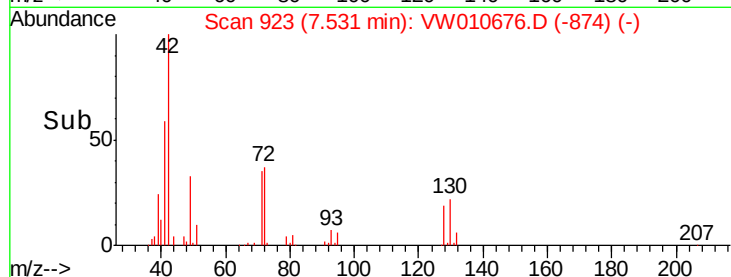
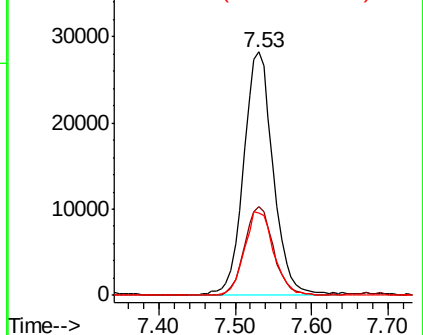
#29
Tetrahydrofuran
Concen: 101.242 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 75159
Ion Ratio Lower Upper
42 100
72 36.0 28.7 43.1
71 34.6 26.6 39.8

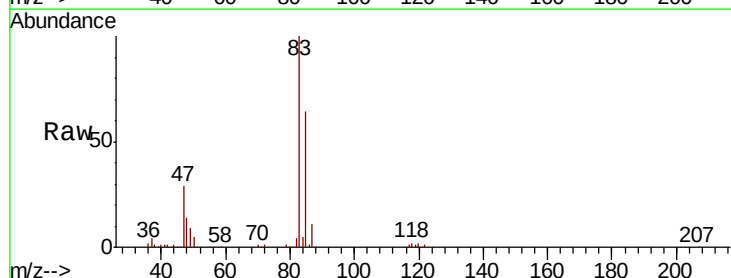


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

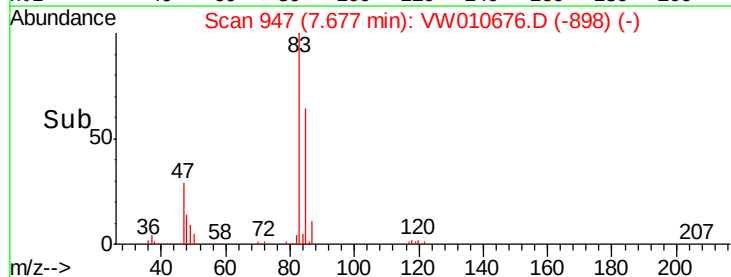
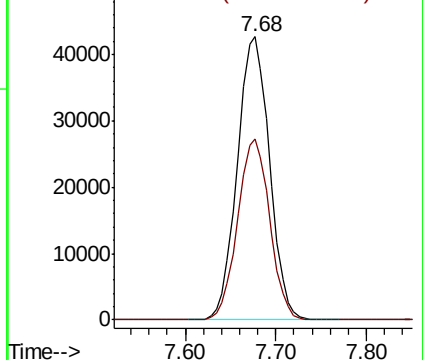


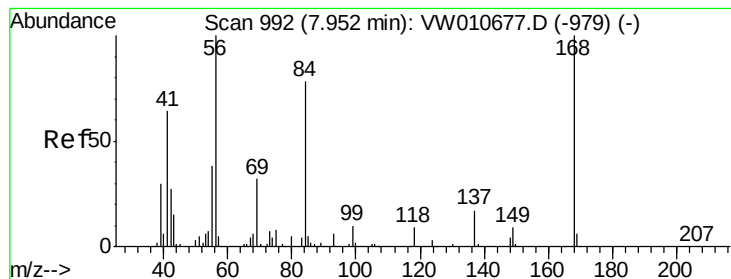
#30
Chloroform
Concen: 19.950 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 83 Resp: 105213
Ion Ratio Lower Upper
83 100
85 64.0 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: 19.716 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

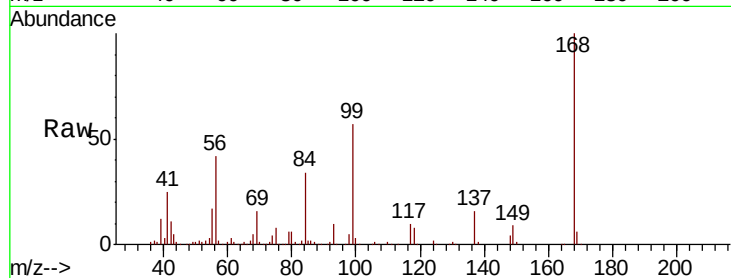
Tot Ion: 56 Resp: 126368

Ion Ratio Lower Upper

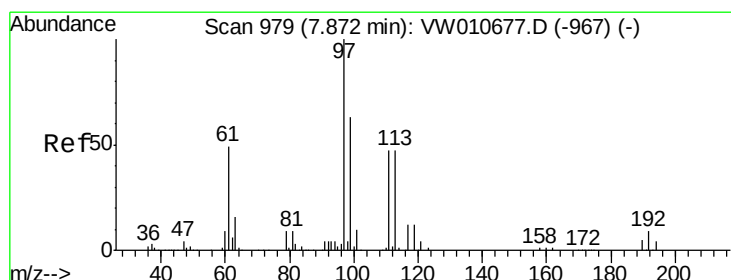
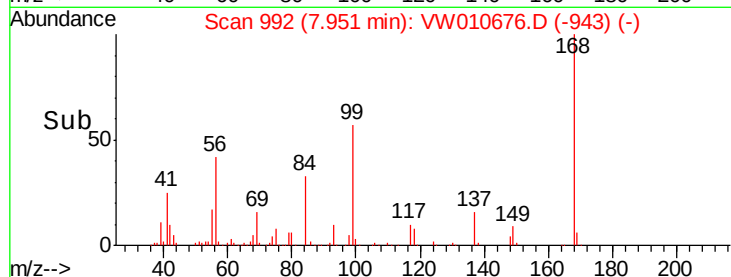
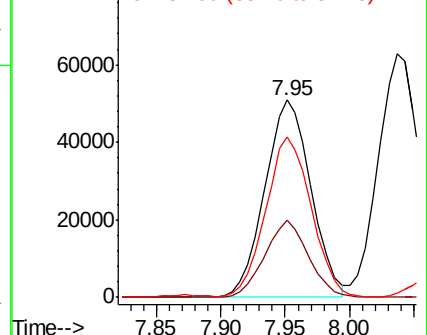
56 100

69 38.9 25.2 37.8#

84 80.4 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: 19.884 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

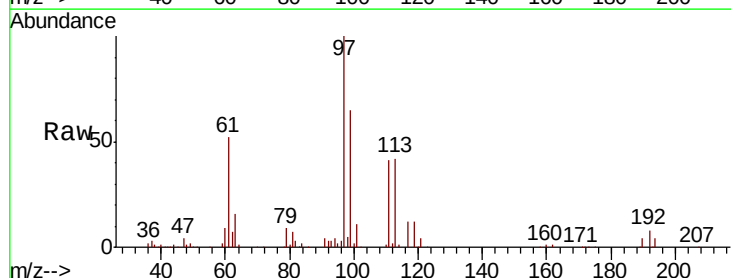
Tgt Ion: 97 Resp: 91603

Ion Ratio Lower Upper

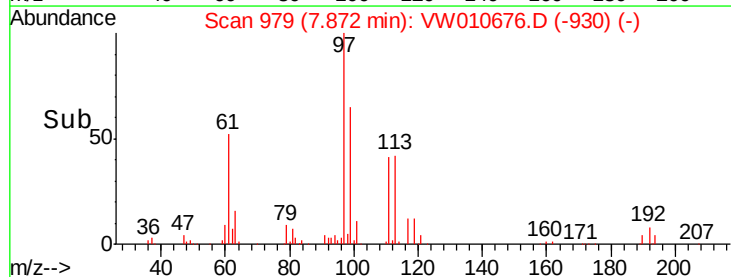
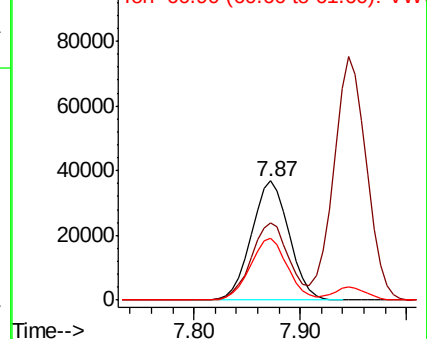
97 100

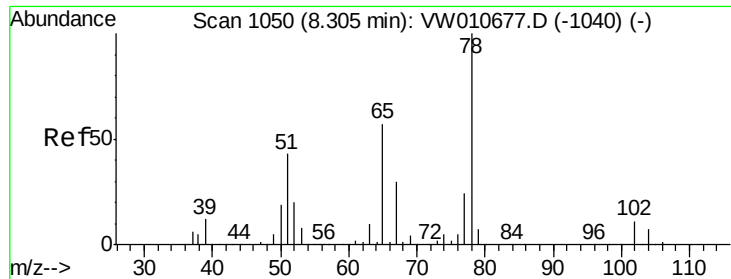
99 65.7 51.3 76.9

61 51.0 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: 20.291 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

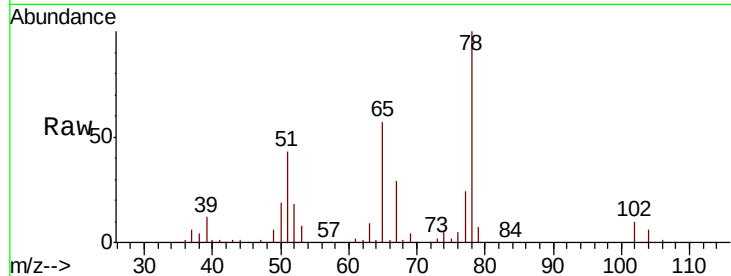
VSTDIC020

Tot Ion: 65 Resp: 64456

Ion Ratio Lower Upper

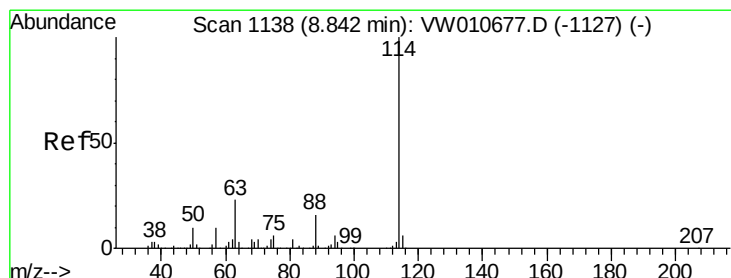
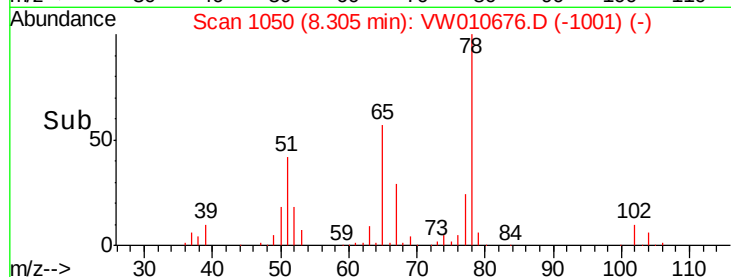
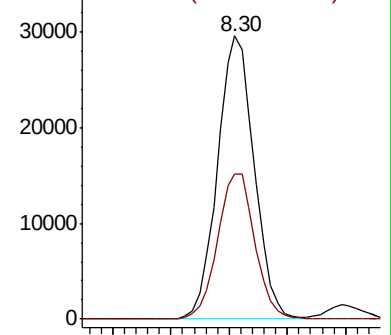
65 100

67 52.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

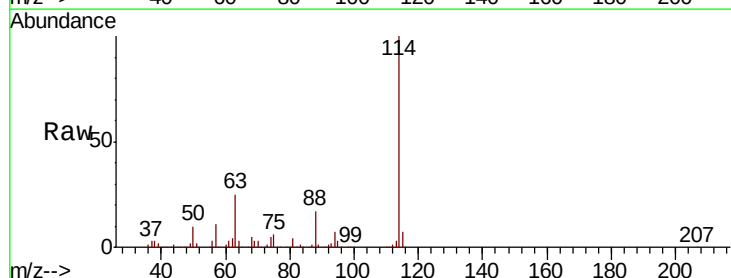
Tgt Ion: 114 Resp: 438485

Ion Ratio Lower Upper

114 100

63 24.6 0.0 46.4

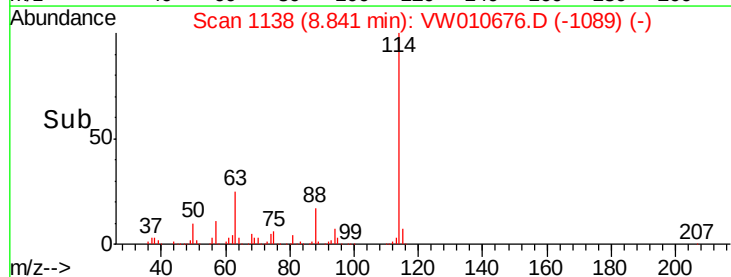
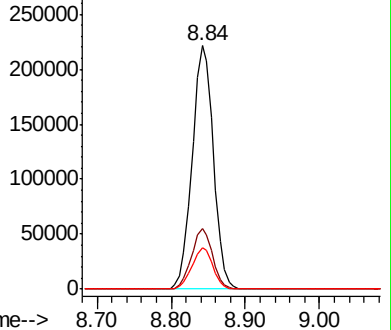
88 17.0 0.0 32.2

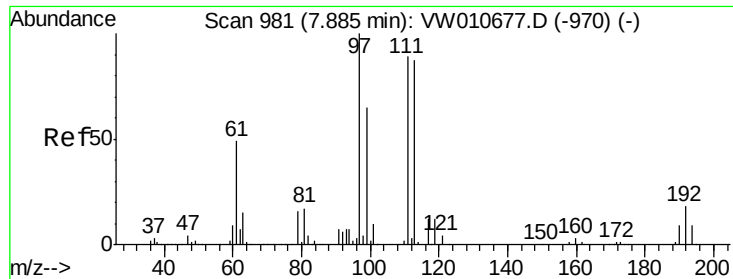


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

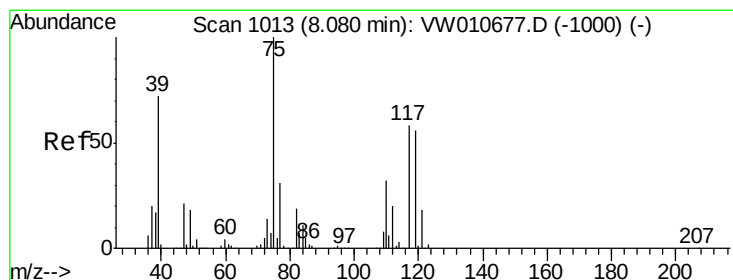
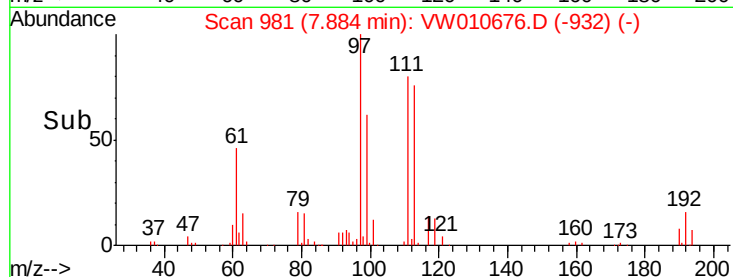
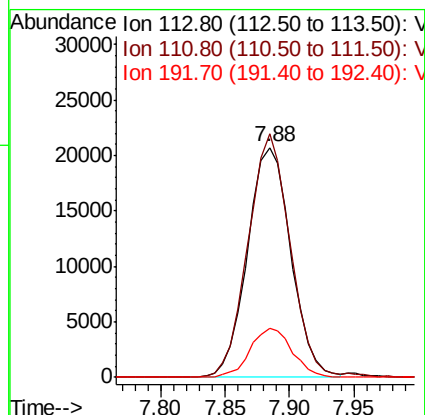
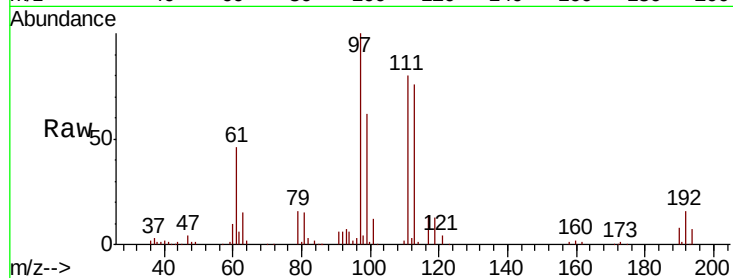




#35
 Dibromofluoromethane
 Concen: 20.344 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

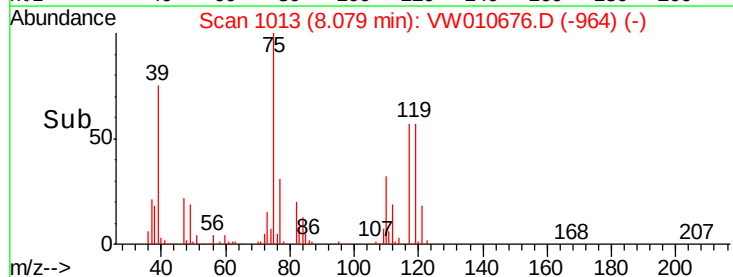
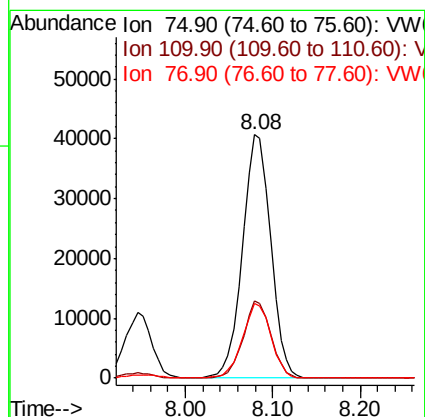
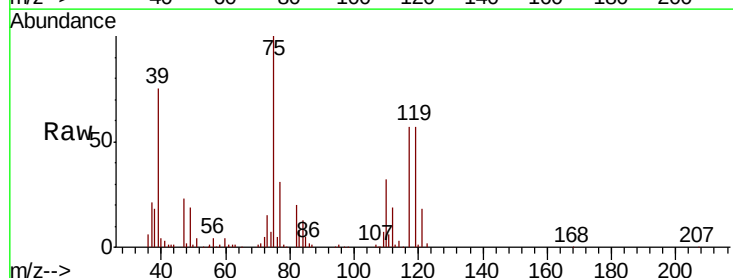
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

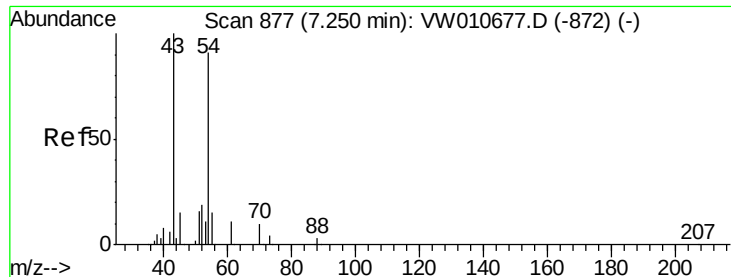
Tot Ion:113 Resp: 48419
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.6 123.8
 192 20.5 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 20.405 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 75 Resp: 91586
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.8 47.3
 77 30.9 24.7 37.1

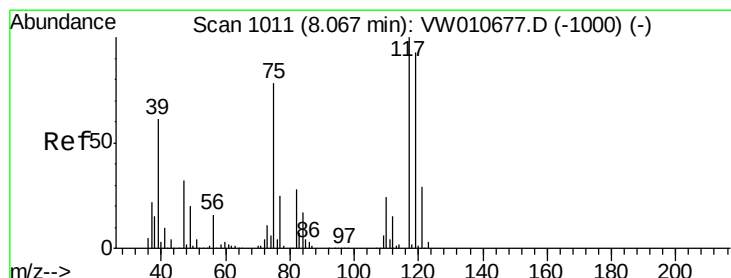
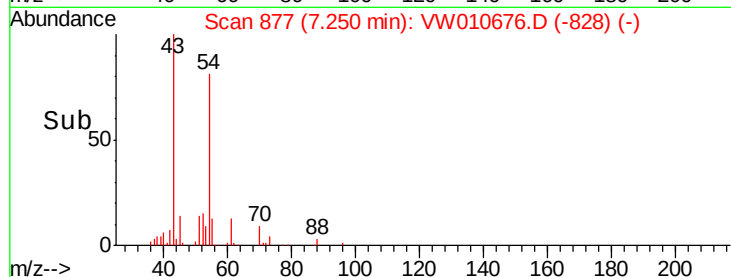
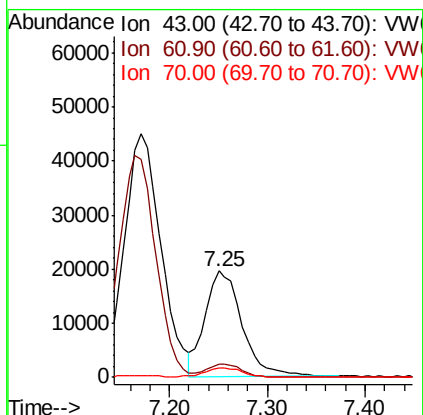
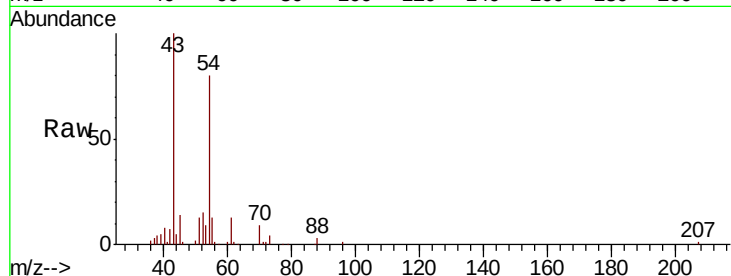




#37
Ethyl Acetate
Concen: 20.458 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

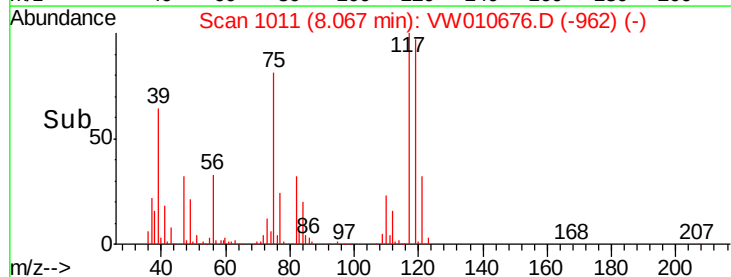
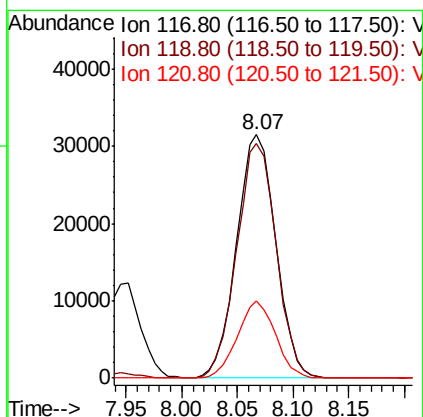
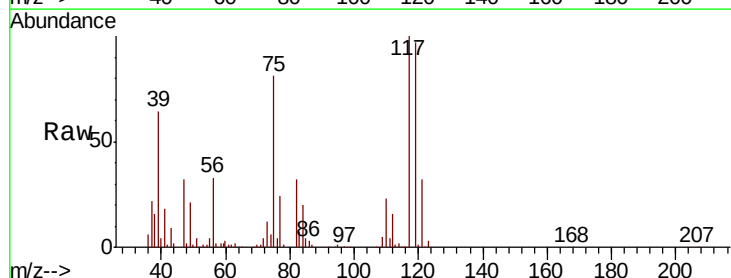
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

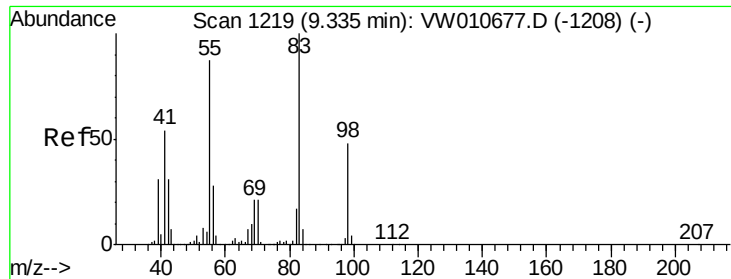
Tot Ion: 43 Resp: 50884
Ion Ratio Lower Upper
43 100
61 12.1 9.7 14.5
70 9.2 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.947 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 117 Resp: 77286
Ion Ratio Lower Upper
117 100
119 96.5 74.2 111.4
121 31.9 22.9 34.3

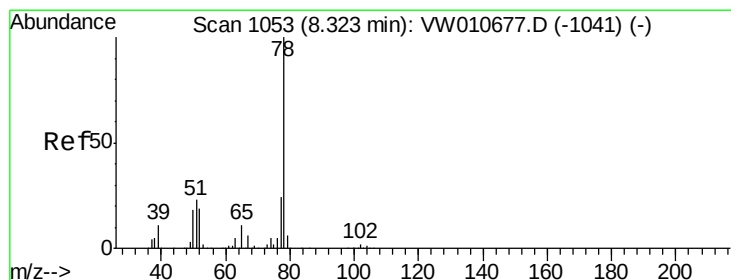
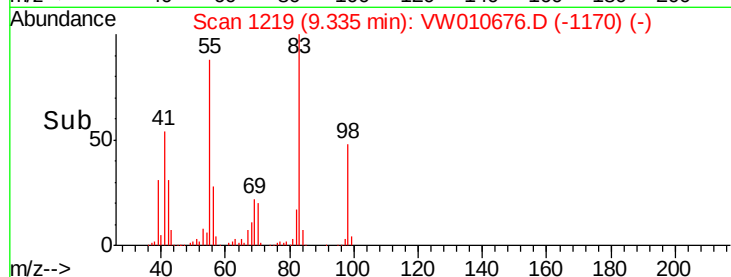
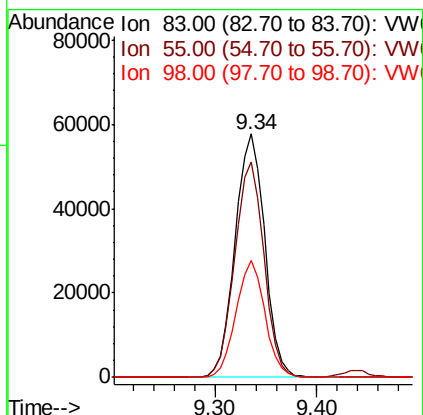
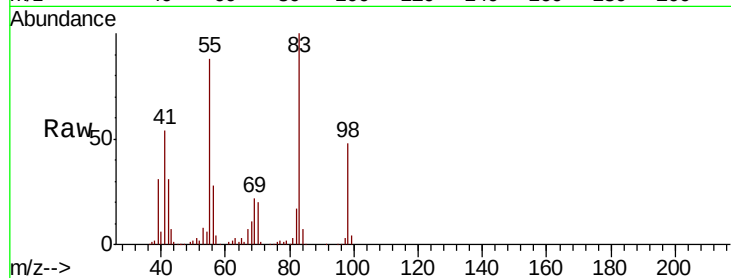




#39
Methylvlcyclohexane
Concen: 20.305 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

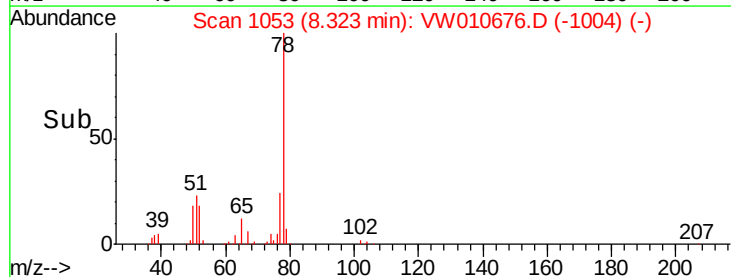
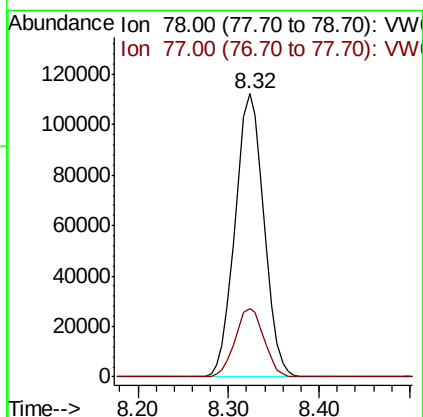
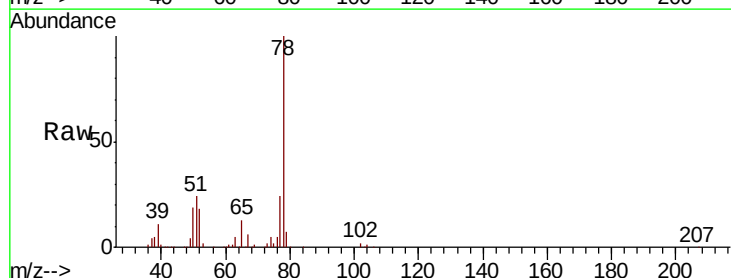
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

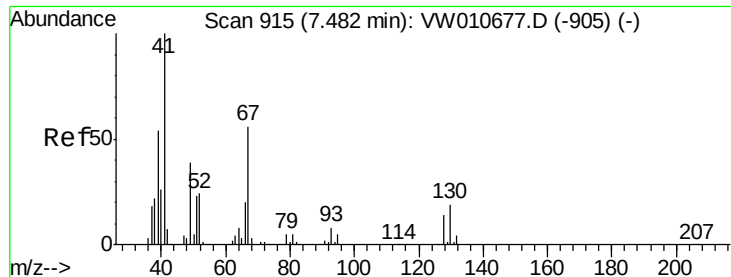
Tot Ion: 83 Resp: 115855
Ion Ratio Lower Upper
83 100
55 88.5 70.0 105.0
98 48.2 38.1 57.1



#40
Benzene
Concen: 20.233 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 78 Resp: 247749
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7





#41

Methacrylonitrile

Concen: 19.140 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 28297

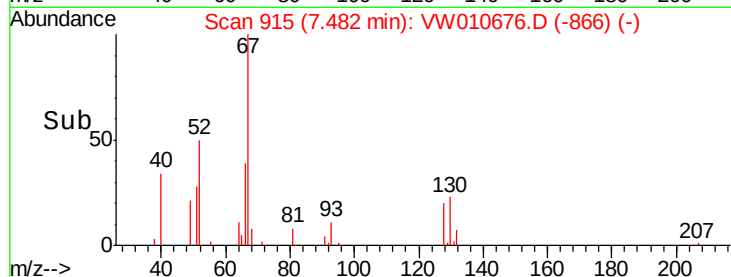
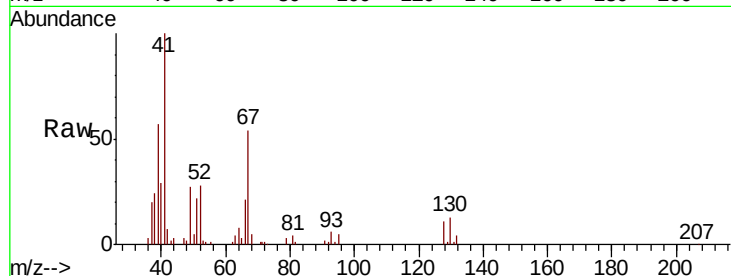
Ion Ratio Lower Upper

41 100

39 54.8 47.3 70.9

67 62.0 47.2 70.8

52 29.1 21.3 31.9

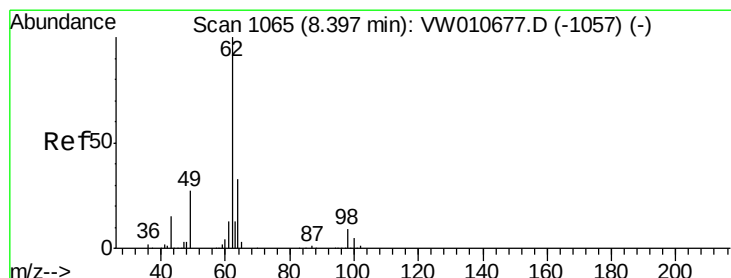
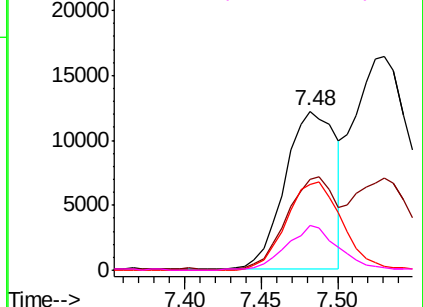


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.303 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW010676.D

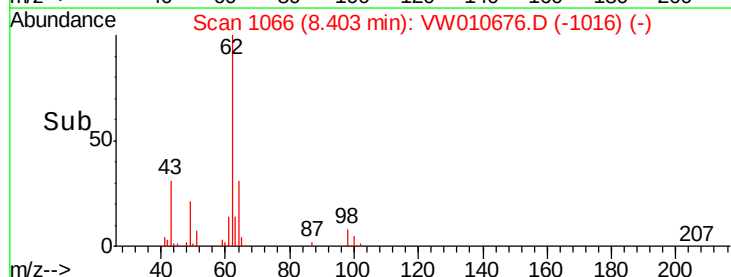
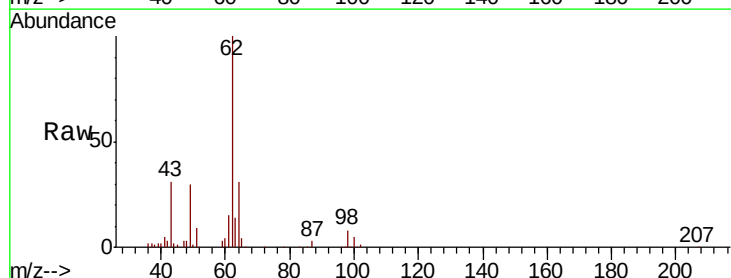
Acq: 04 Jun 2019 15:14

Tgt Ion: 62 Resp: 78903

Ion Ratio Lower Upper

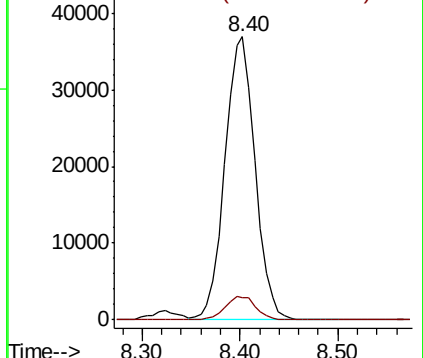
62 100

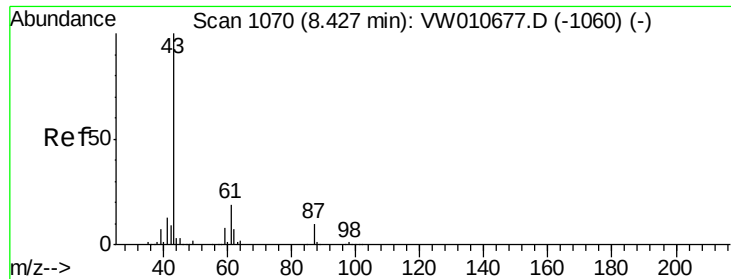
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.512 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

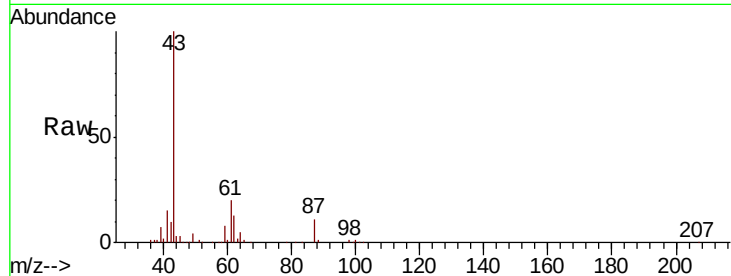
Tot Ion: 43 Resp: 98562

Ion Ratio Lower Upper

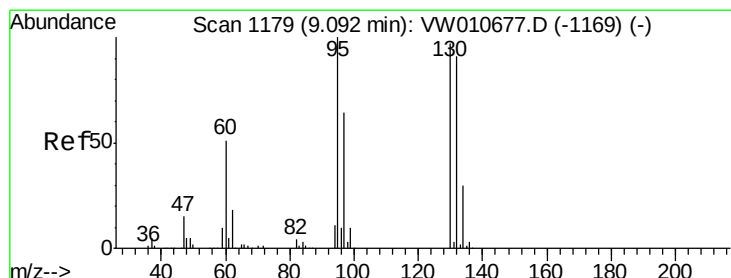
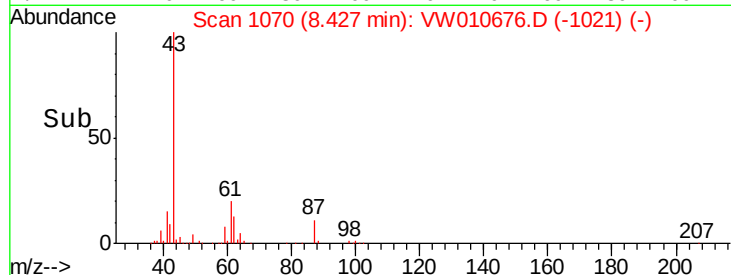
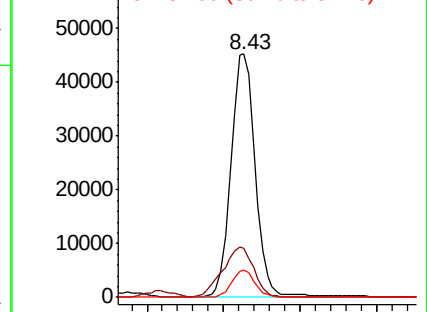
43 100

61 26.9 21.2 31.8

87 10.7 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: 20.148 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010676.D

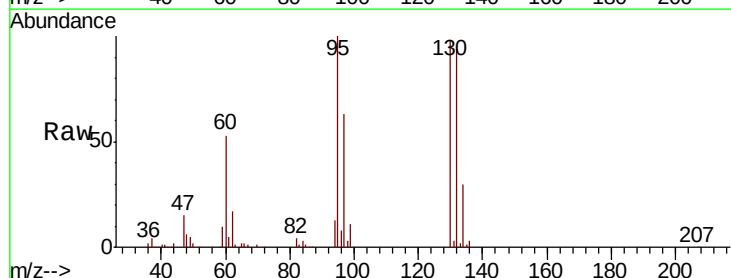
Acq: 04 Jun 2019 15:14

Tgt Ion: 130 Resp: 60857

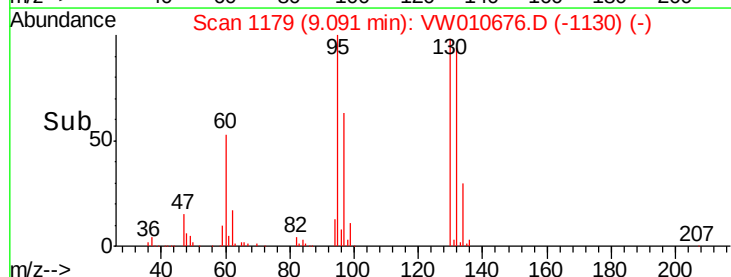
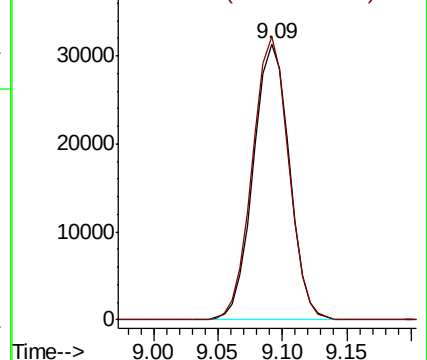
Ion Ratio Lower Upper

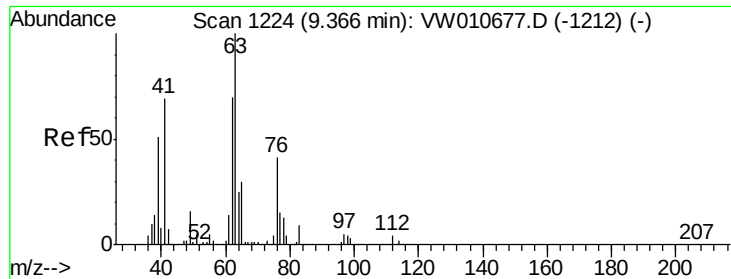
130 100

95 102.5 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: 20.268 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

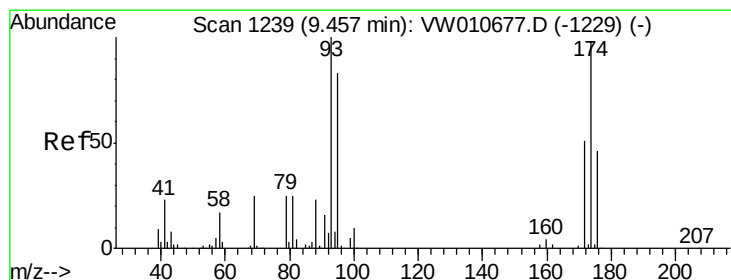
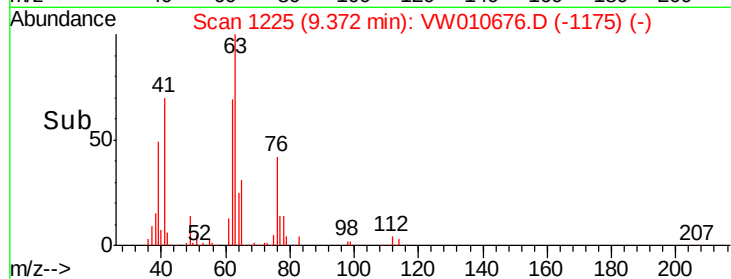
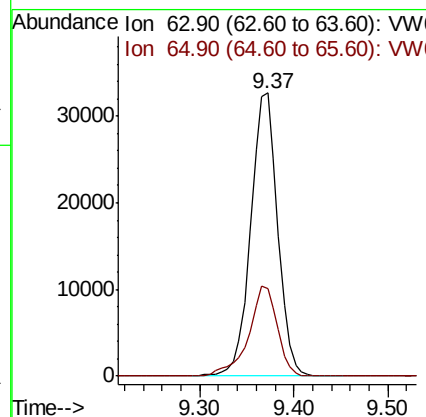
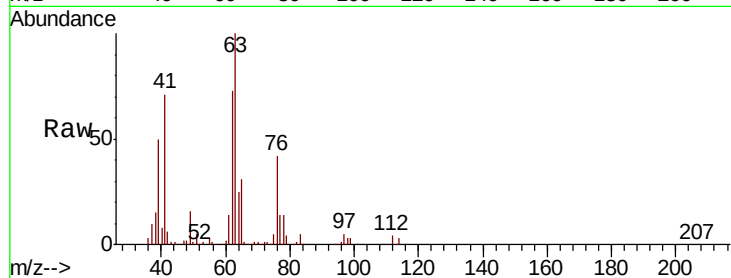
VSTDIC020

Tot Ion: 63 Resp: 65695

Ion Ratio Lower Upper

63 100

65 31.0 23.8 35.6



#46

Dibromomethane

Concen: 20.146 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

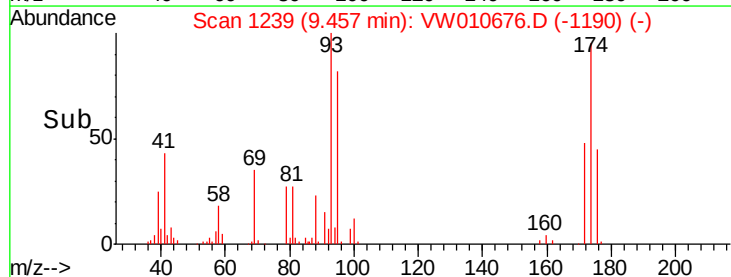
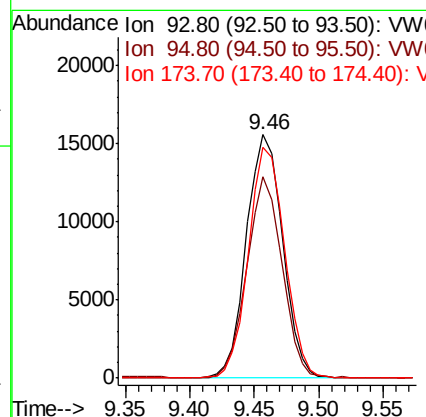
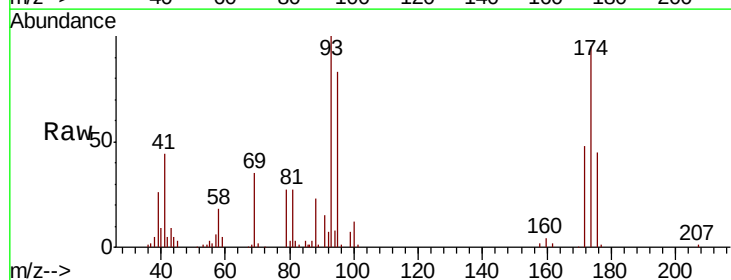
Tgt Ion: 93 Resp: 30330

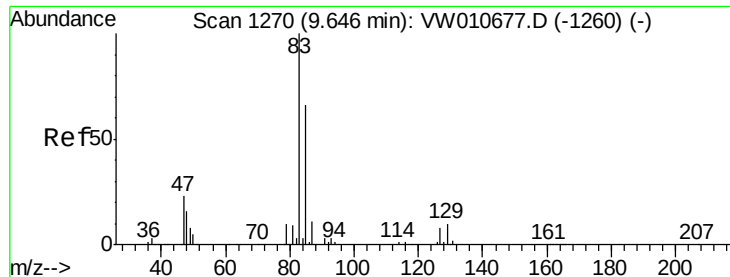
Ion Ratio Lower Upper

93 100

95 80.4 65.8 98.8

174 94.8 77.4 116.0





#47

Bromodichloromethane

Concen: 19.764 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

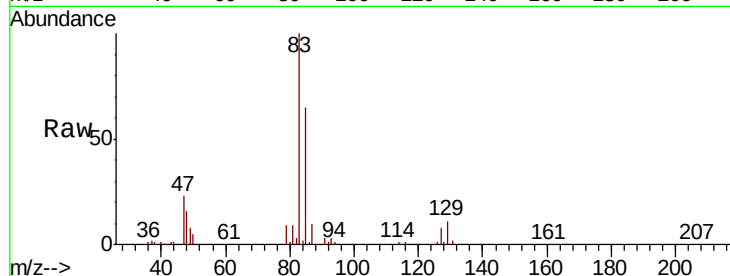
Tot Ion: 83 Resp: 77128

Ion Ratio Lower Upper

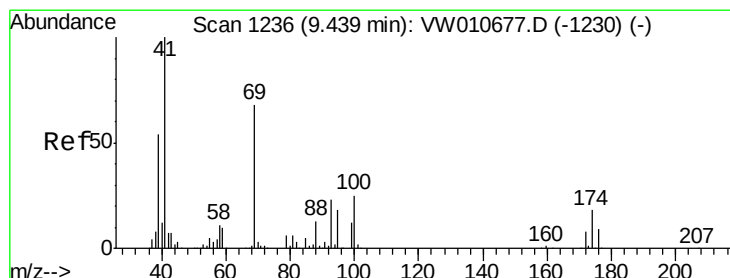
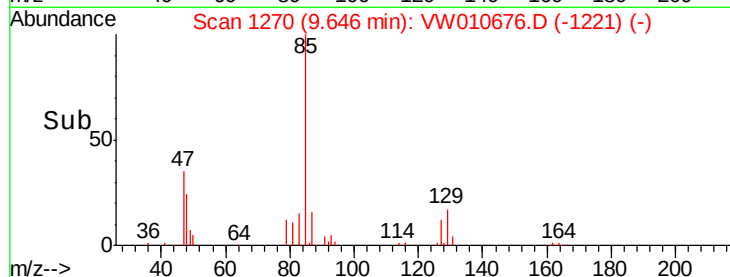
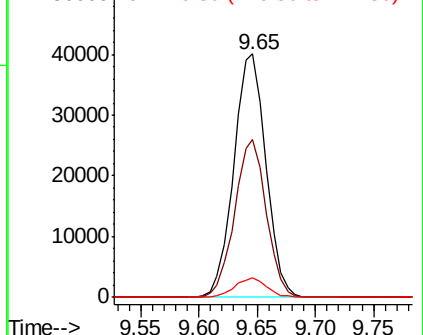
83 100

85 64.7 53.0 79.4

127 7.8 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: 20.169 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

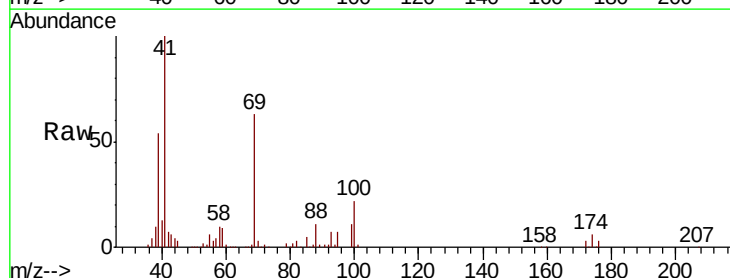
Tgt Ion: 41 Resp: 46728

Ion Ratio Lower Upper

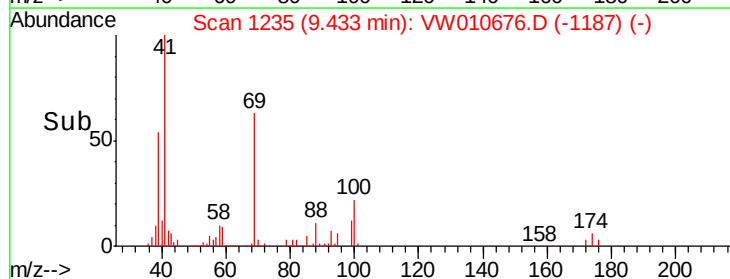
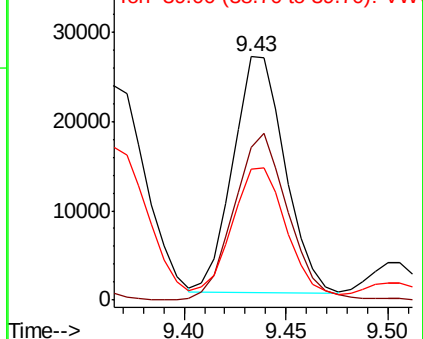
41 100

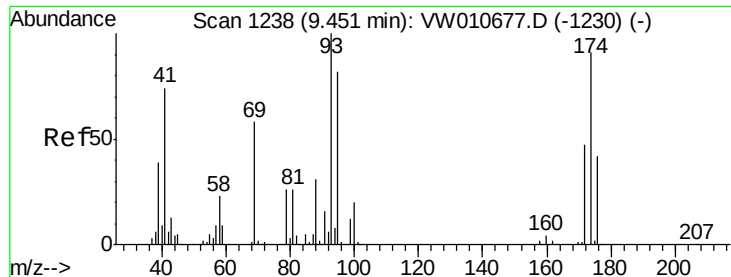
69 72.9 56.6 85.0

39 54.9 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: 427.057 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

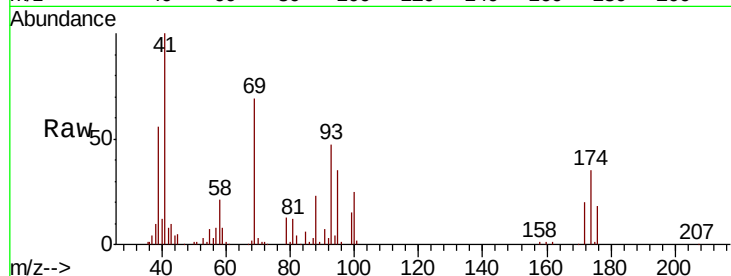
Tot Ion: 88 Resp: 10052

Ion Ratio Lower Upper

88 100

43 42.5 34.2 51.4

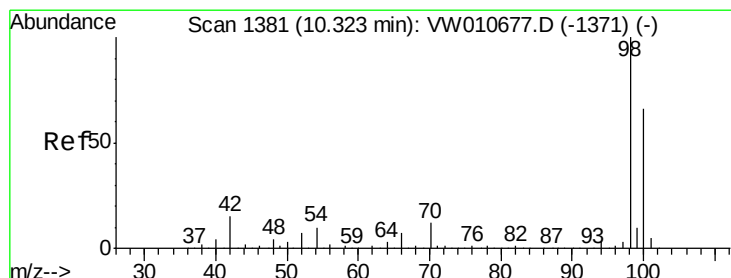
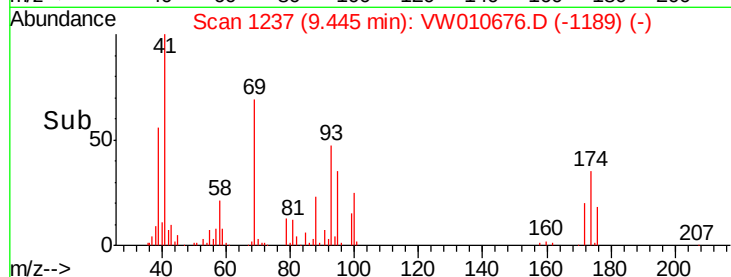
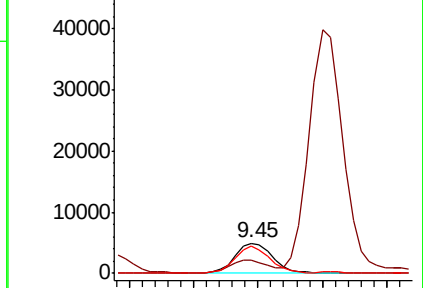
58 85.3 69.0 103.4



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: 20.296 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010676.D

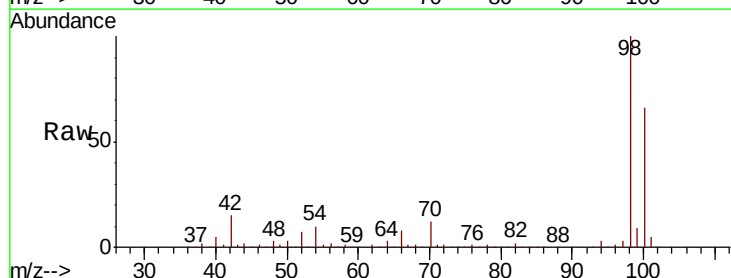
Acq: 04 Jun 2019 15:14

Tgt Ion: 98 Resp: 211826

Ion Ratio Lower Upper

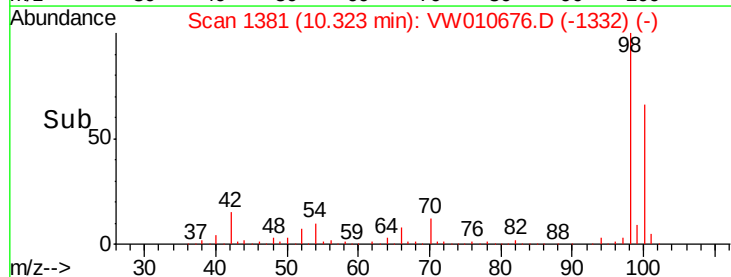
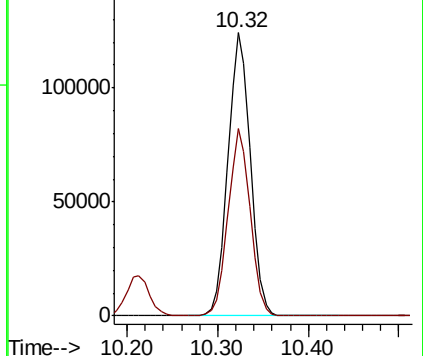
98 100

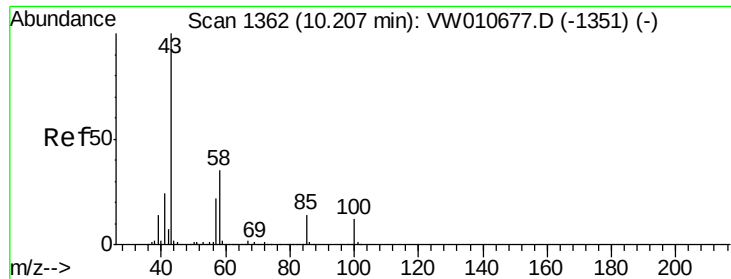
100 65.6 53.0 79.6



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: 103.594 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

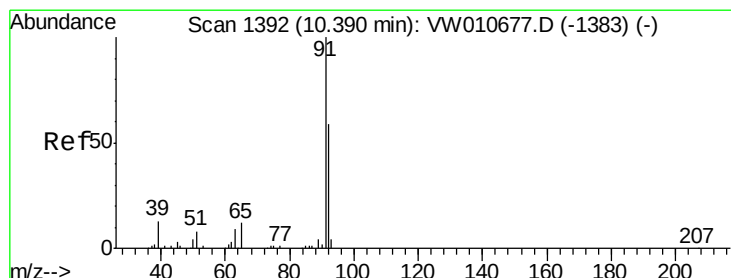
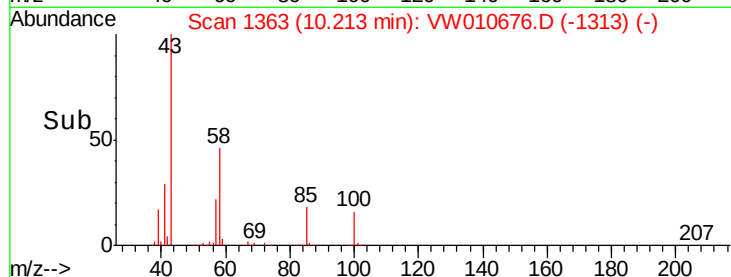
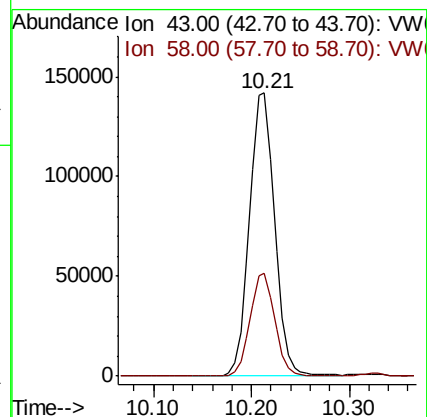
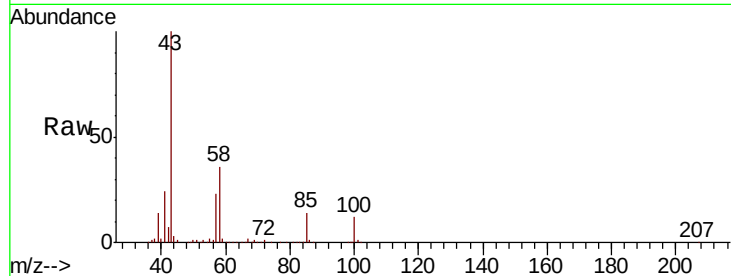
VSTDIC020

Tot Ion: 43 Resp: 254303

Ion Ratio Lower Upper

43 100

58 35.6 28.4 42.6



#52

Toluene

Concen: 20.202 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010676.D

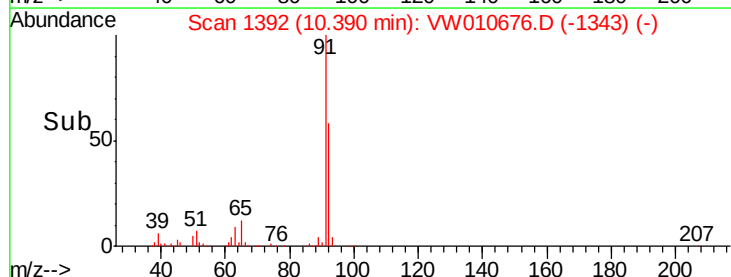
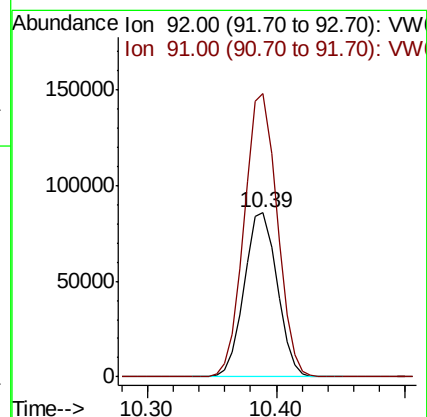
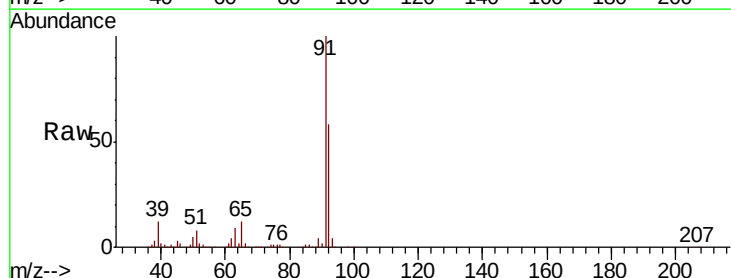
Acq: 04 Jun 2019 15:14

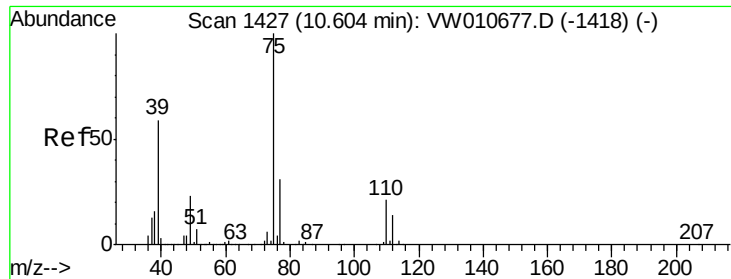
Tgt Ion: 92 Resp: 152195

Ion Ratio Lower Upper

92 100

91 172.8 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 19.809 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

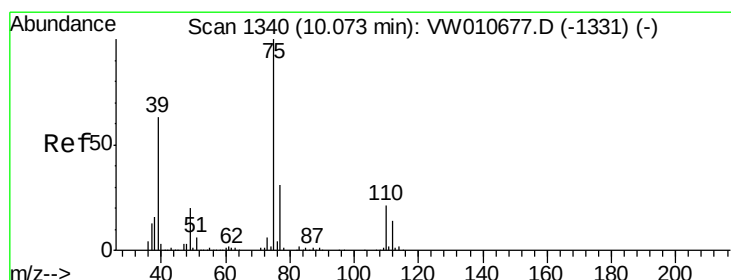
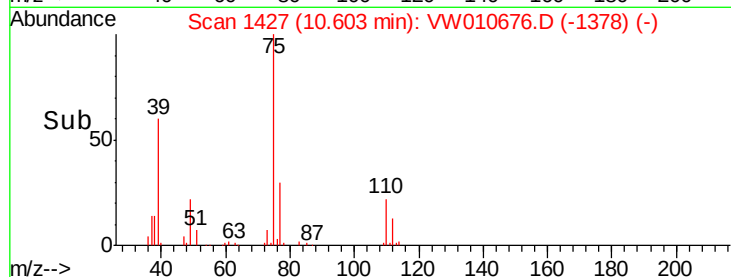
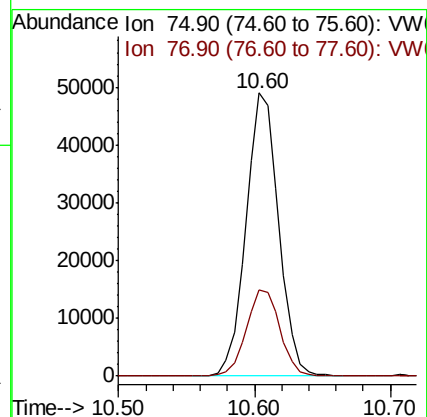
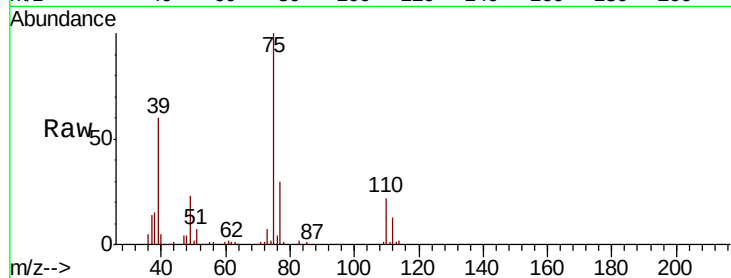
VSTDIC020

Tot Ion: 75 Resp: 81881

Ion Ratio Lower Upper

75 100

77 30.4 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 19.968 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

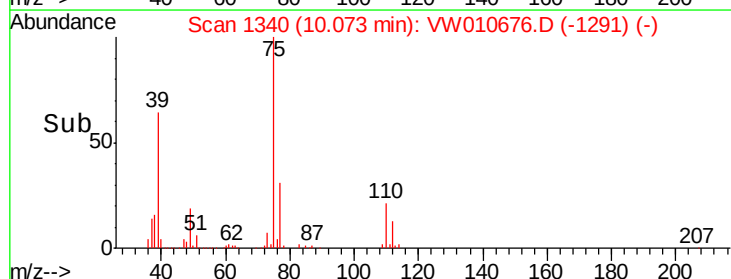
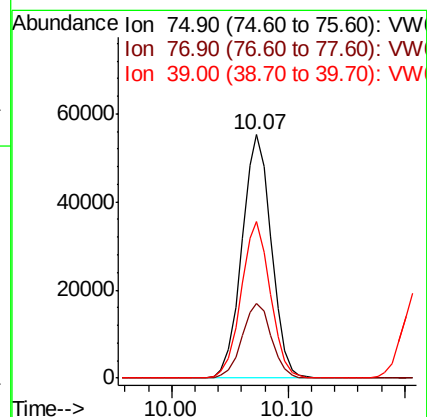
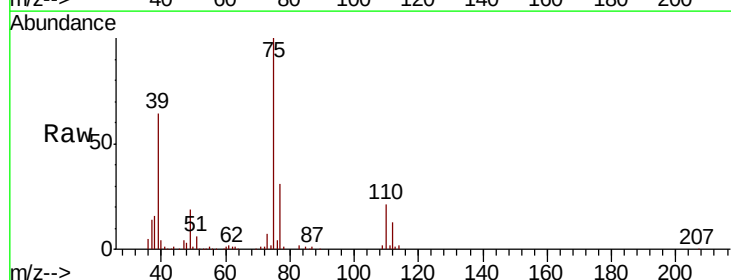
Tgt Ion: 75 Resp: 97125

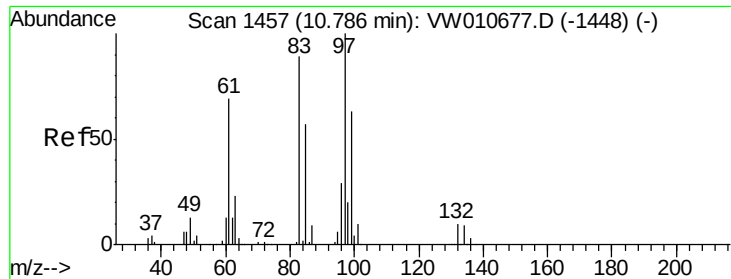
Ion Ratio Lower Upper

75 100

77 30.8 25.2 37.8

39 63.8 50.1 75.1



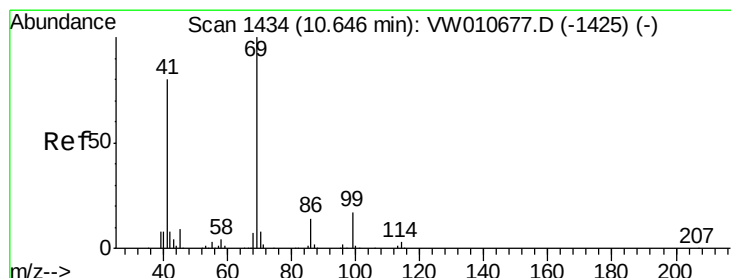
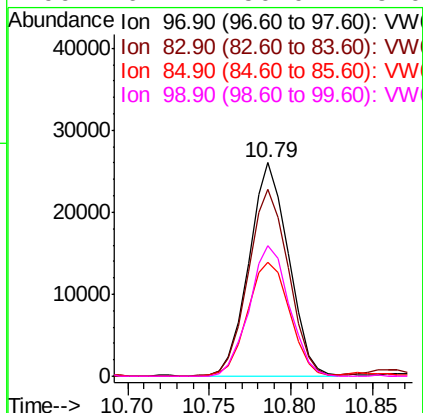
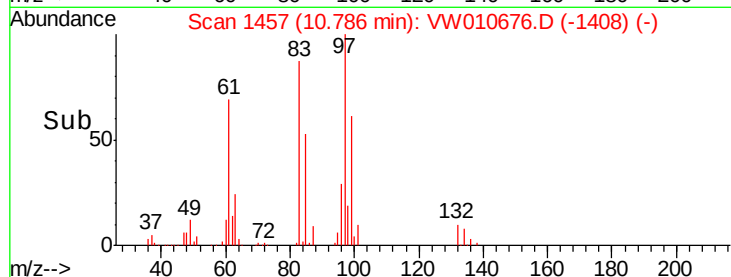
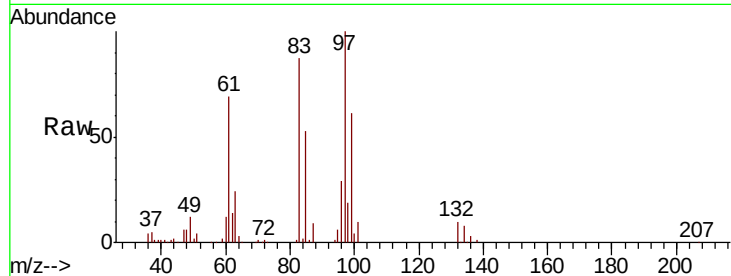


#55
 1,1,2-Trichloroethane
 Concen: 20.271 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 43964

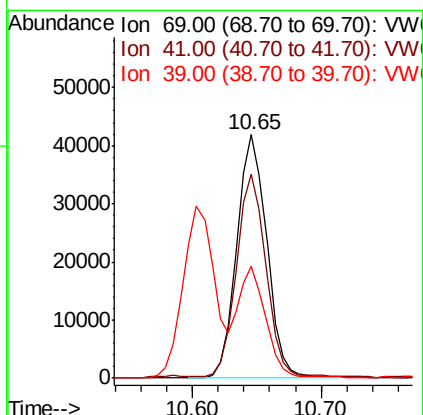
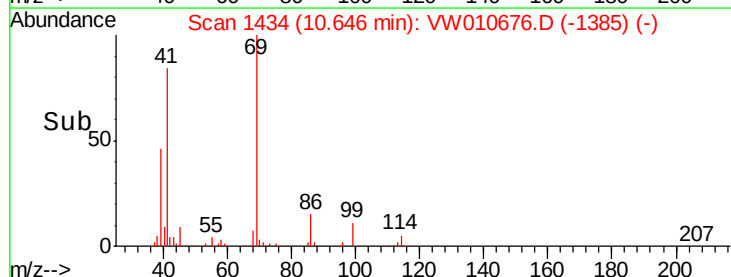
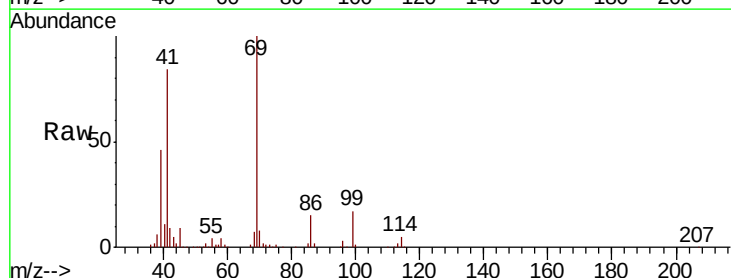
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.1	106.7
85	53.4	45.2	67.8
99	61.2	50.0	75.0

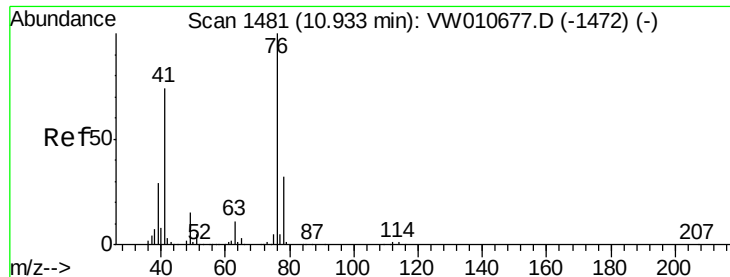


#56
 Ethyl methacrylate
 Concen: 20.315 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 69 Resp: 67797

Ion	Ratio	Lower	Upper
69	100		
41	81.7	64.8	97.2
39	42.1	32.2	48.2

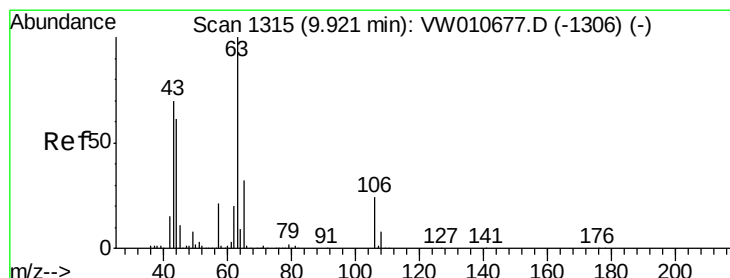
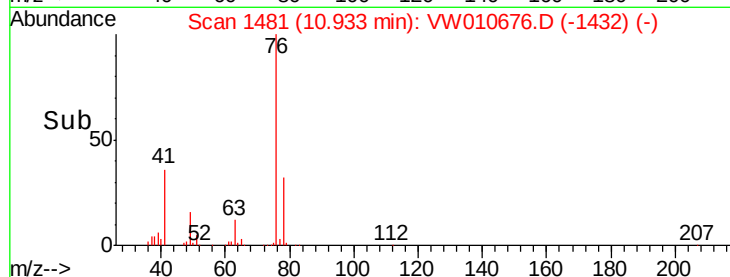
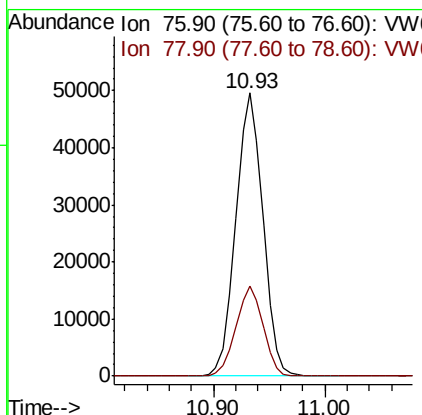
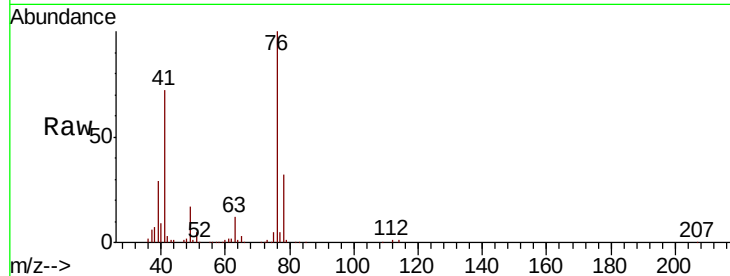




#57
 1,3-Dichloropropane
 Concen: 20.436 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

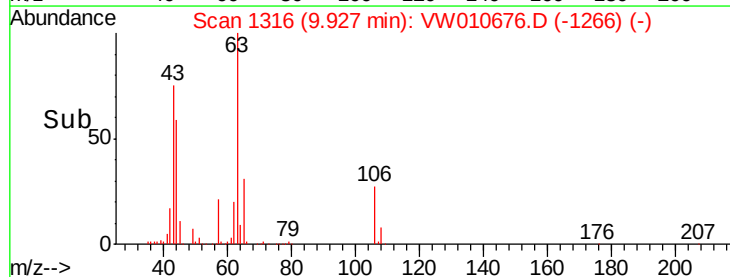
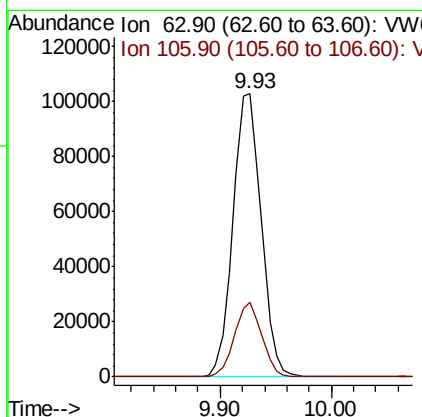
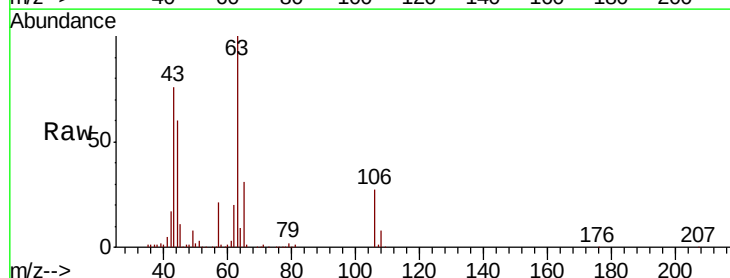
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

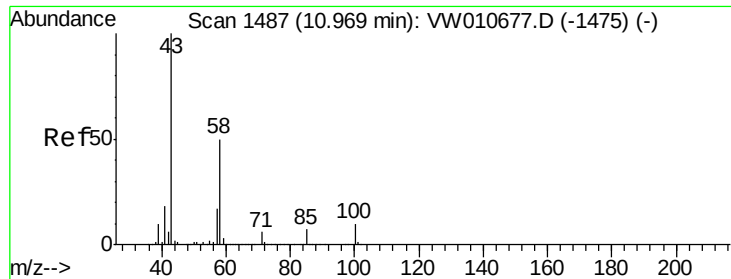
Tot Ion: 76 Resp: 83529
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.208 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 63 Resp: 180405
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.1 30.1

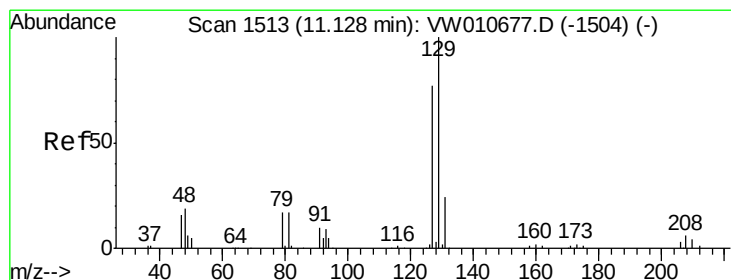
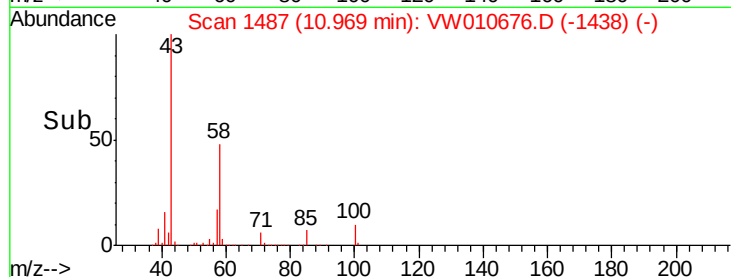
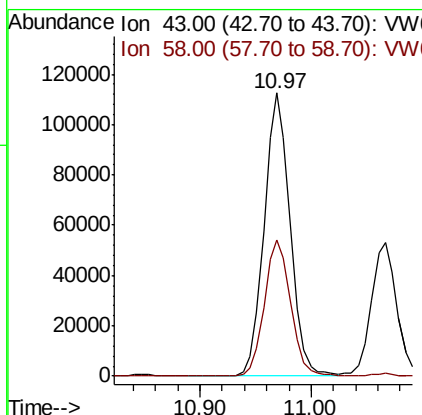
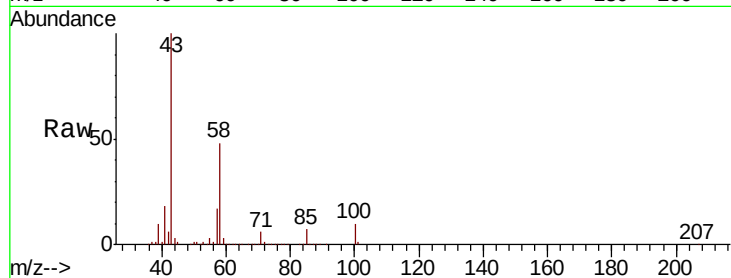




#59
2-Hexanone
Concen: 102.732 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

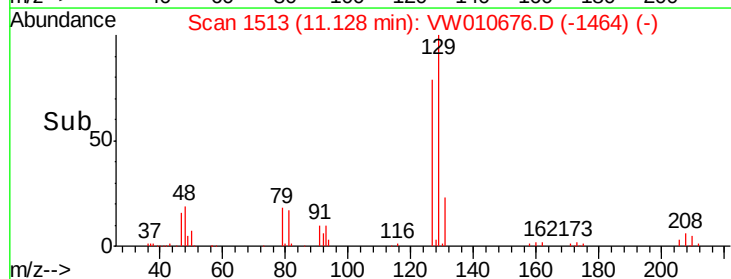
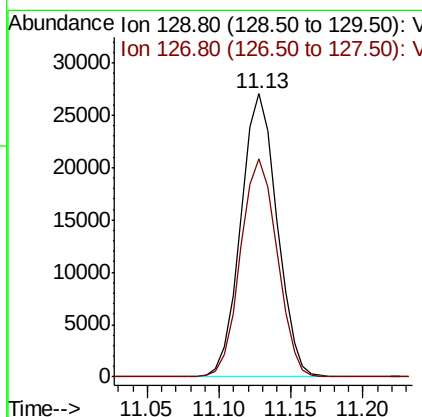
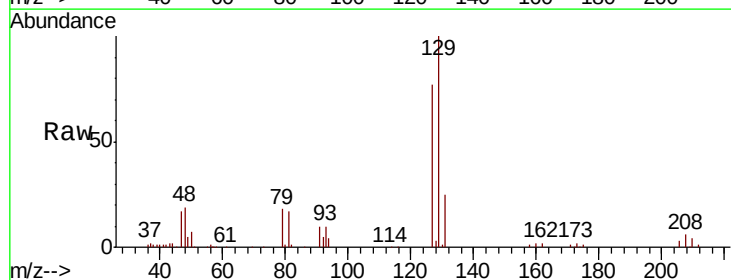
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

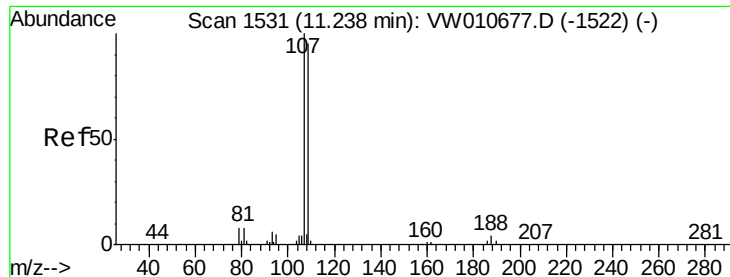
Tot Ion: 43 Resp: 182261
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6



#60
Dibromochloromethane
Concen: 19.620 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion:129 Resp: 47170
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.122 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

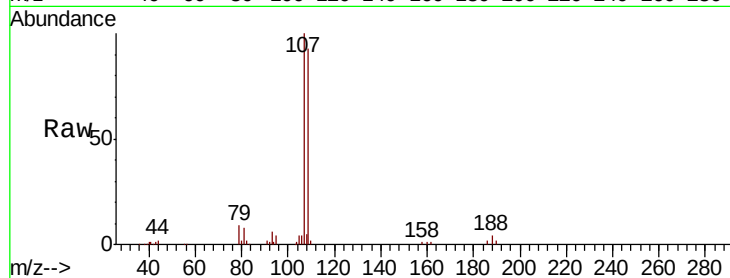
VSTDIC020

Tot Ion:107 Resp: 41348

Ion Ratio Lower Upper

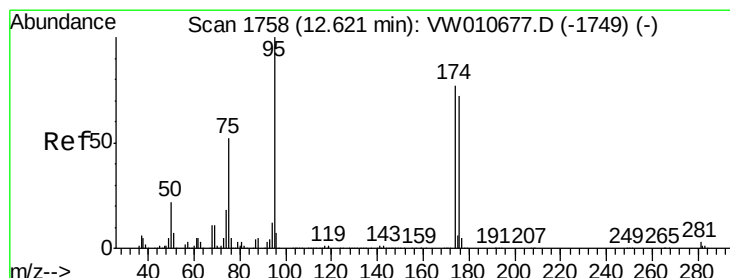
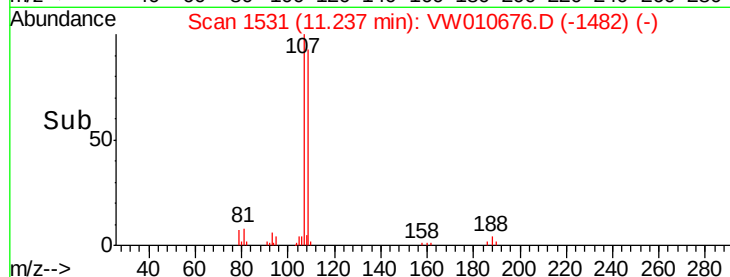
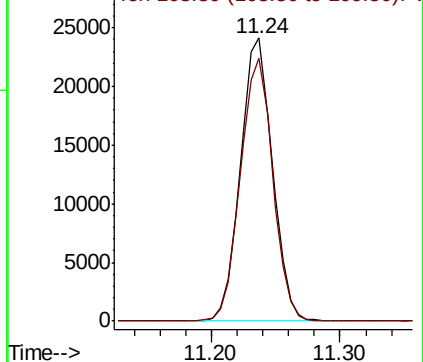
107 100

109 93.7 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: 20.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

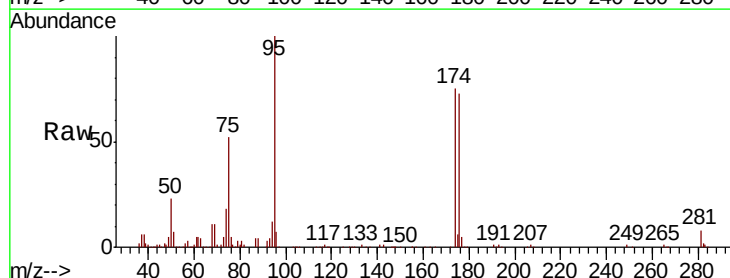
Tgt Ion: 95 Resp: 77157

Ion Ratio Lower Upper

95 100

174 73.9 0.0 150.4

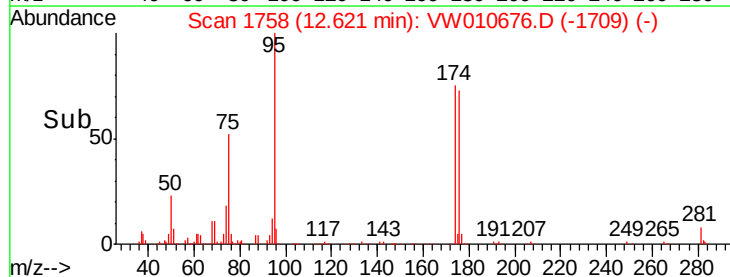
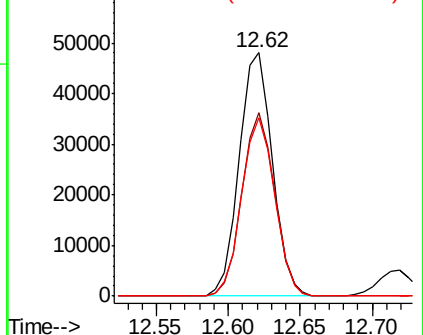
176 72.6 0.0 144.8

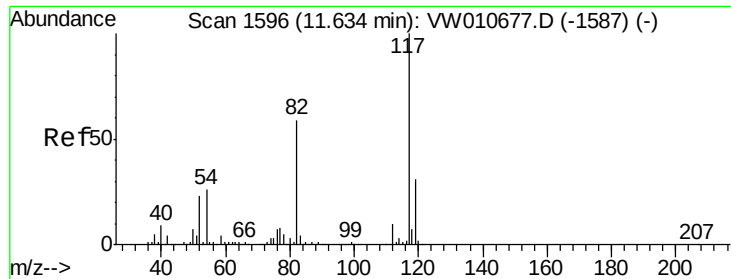


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

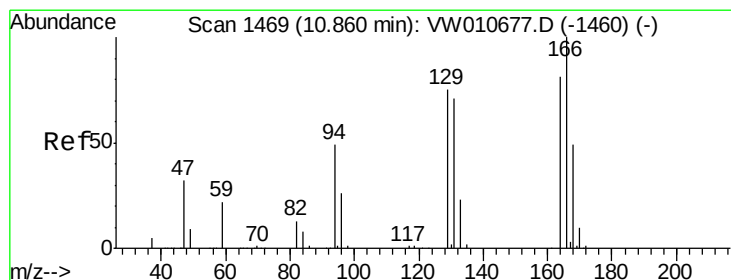
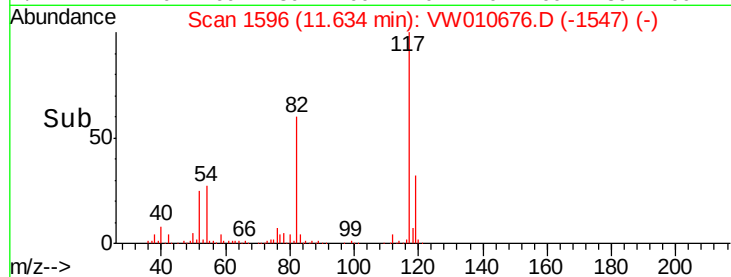
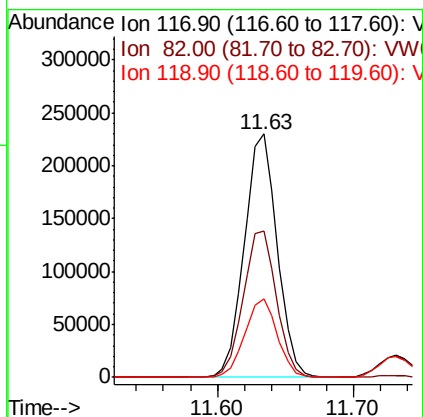
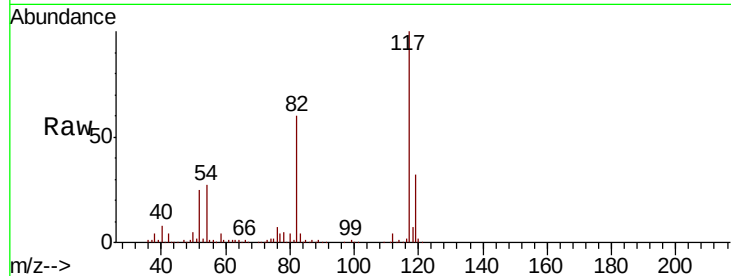




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

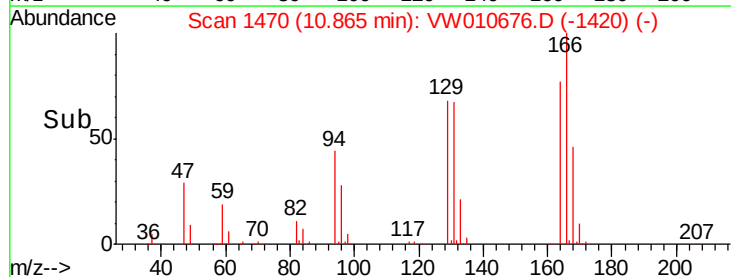
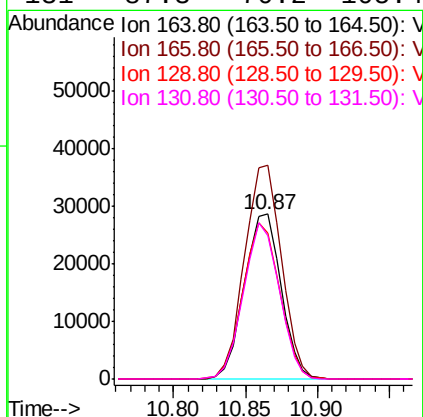
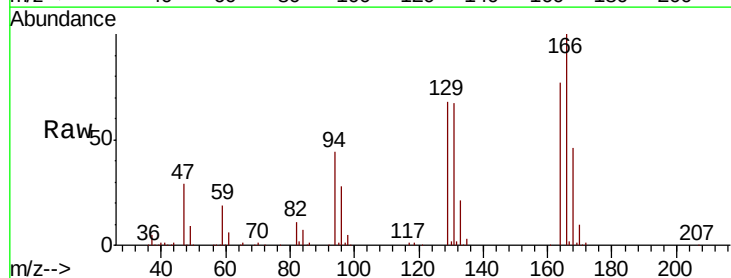
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

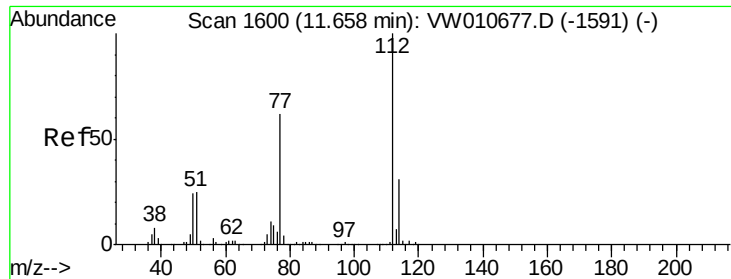
Tot Ion:117 Resp: 388196
Ion Ratio Lower Upper
117 100
82 59.9 47.0 70.4
119 32.3 25.1 37.7



#64
Tetrachloroethene
Concen: 19.712 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion:164 Resp: 50807
Ion Ratio Lower Upper
164 100
166 129.4 99.2 148.8
129 88.5 74.6 112.0
131 87.3 70.2 105.4

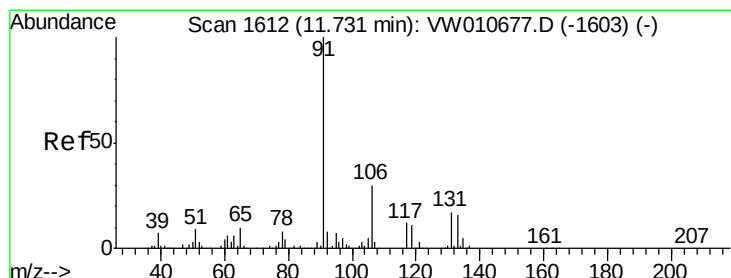
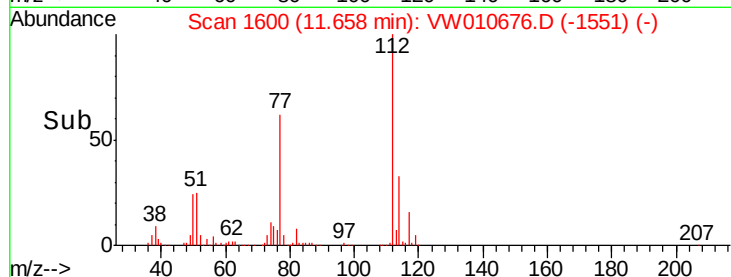
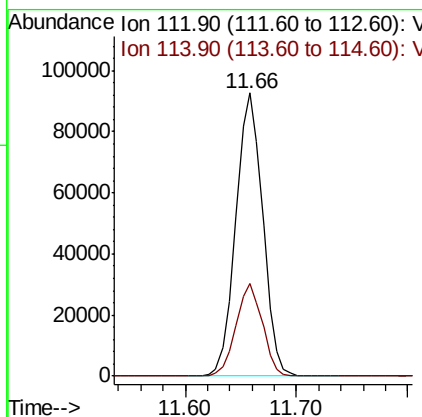
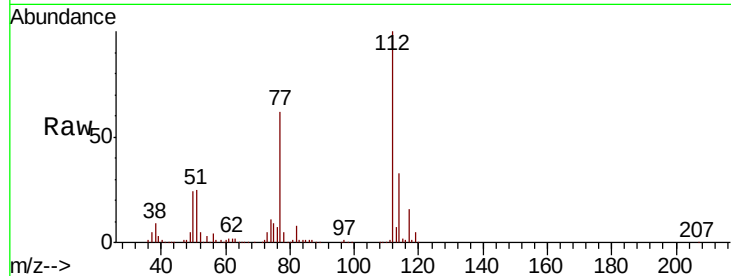




#65
Chlorobenzene
Concen: 20.238 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

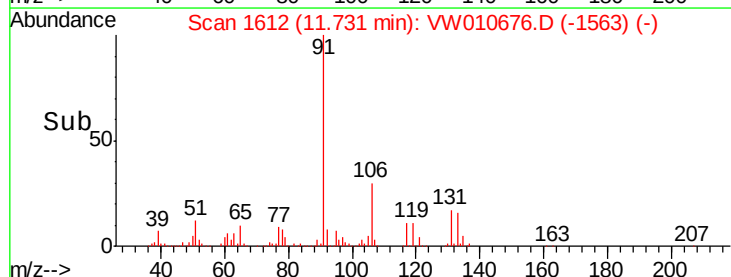
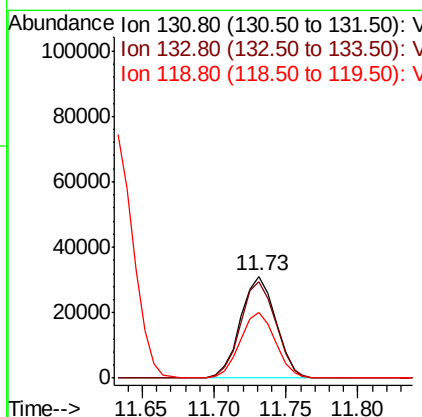
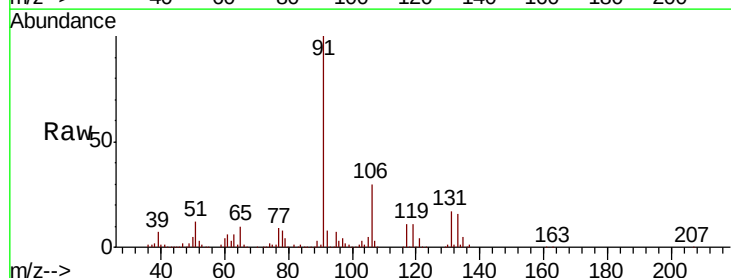
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

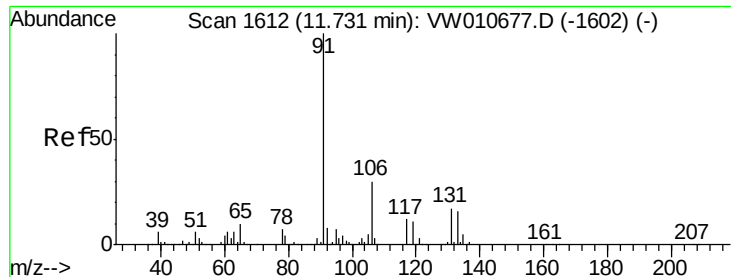
Tot Ion:112 Resp: 154495
Ion Ratio Lower Upper
112 100
114 32.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.917 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion:131 Resp: 52632
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 64.4 32.4 97.0

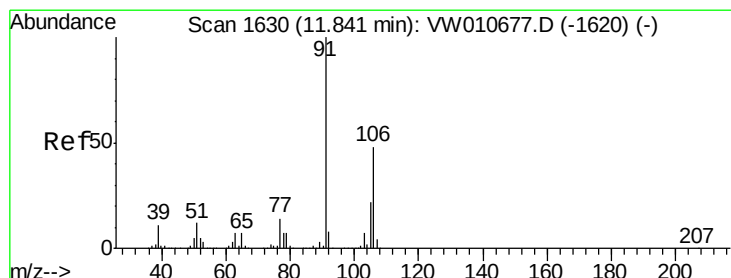
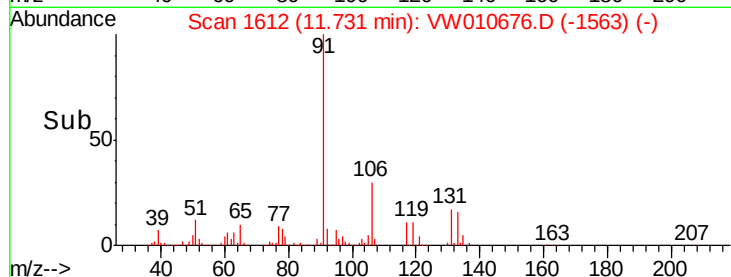
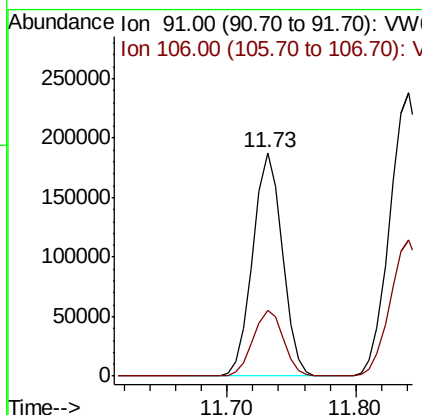
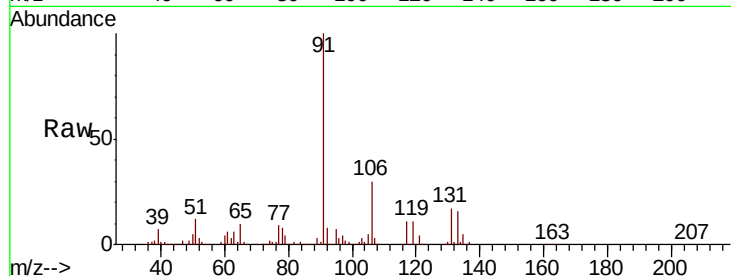




#67
Ethyl Benzene
Concen: 20.239 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

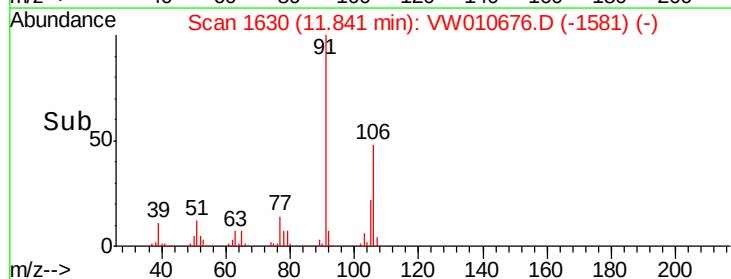
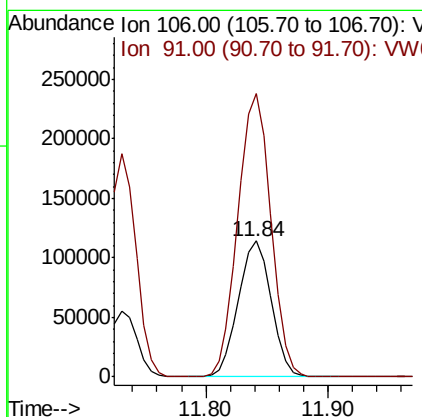
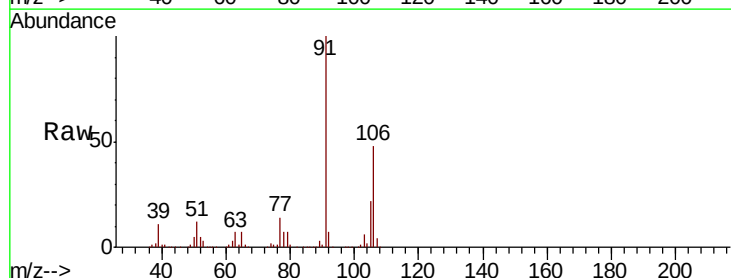
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

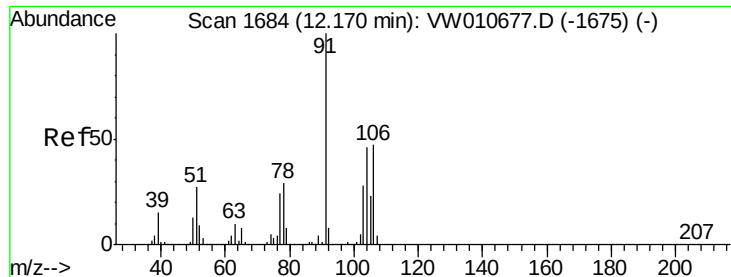
Tot Ion: 91 Resp: 296930
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.4



#68
m/p-Xylenes
Concen: 40.640 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion: 106 Resp: 213433
Ion Ratio Lower Upper
106 100
91 209.0 166.5 249.7

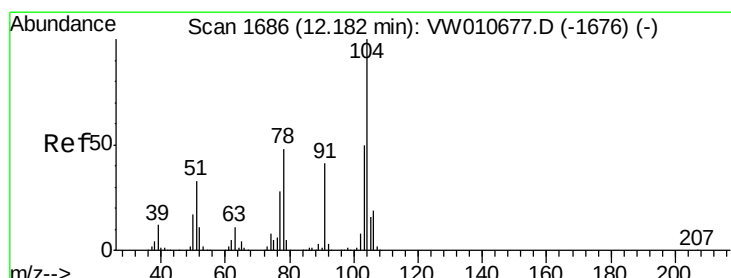
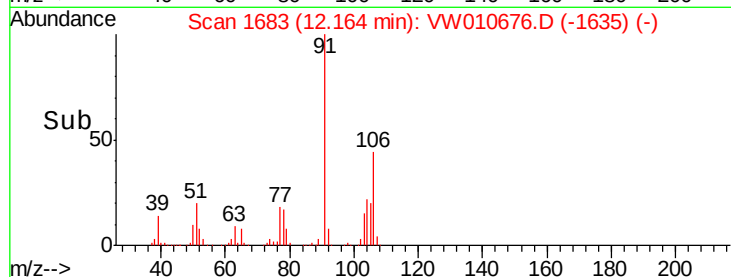
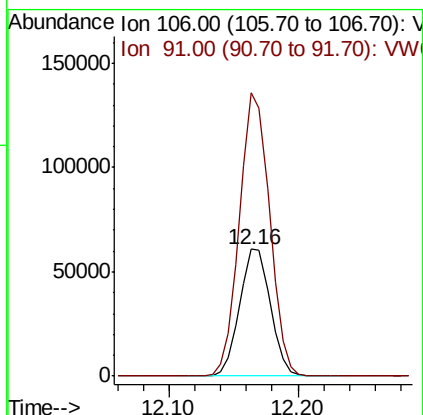
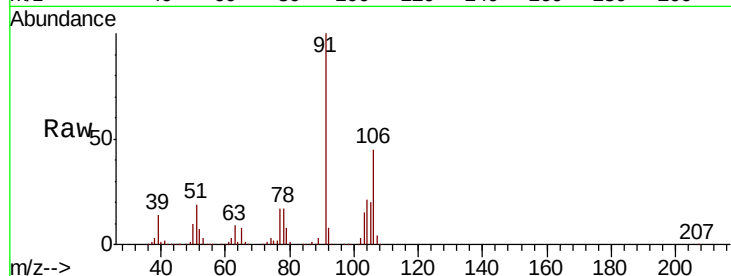




#69
o-Xylene
Concen: 20.276 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

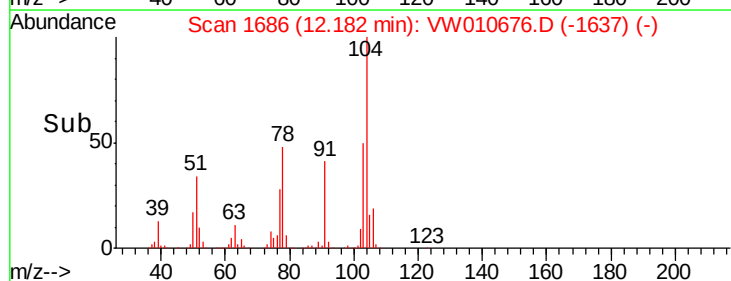
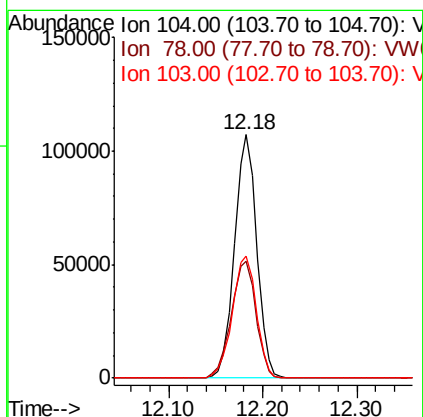
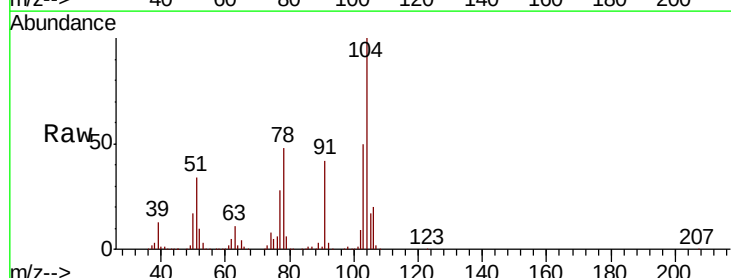
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

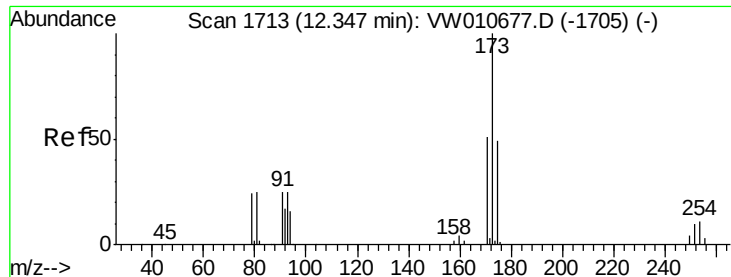
Tot Ion:106 Resp: 100993
Ion Ratio Lower Upper
106 100
91 219.1 108.9 326.6



#70
Styrene
Concen: 20.288 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion:104 Resp: 175545
Ion Ratio Lower Upper
104 100
78 53.3 42.7 64.1
103 54.5 43.6 65.4





#71

Bromoform

Concen: 19.808 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

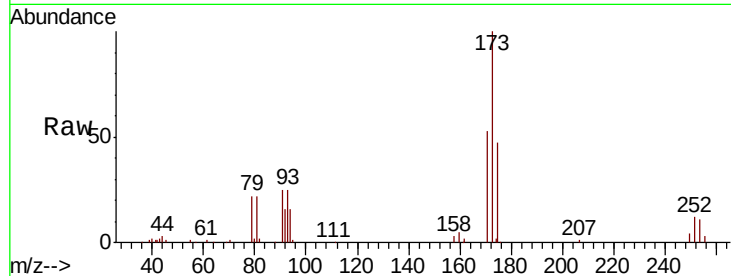
Tot Ion:173 Resp: 27072

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

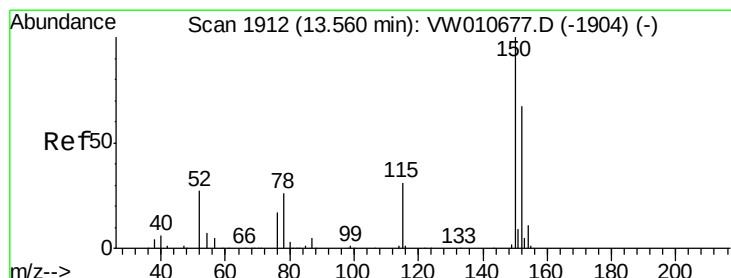
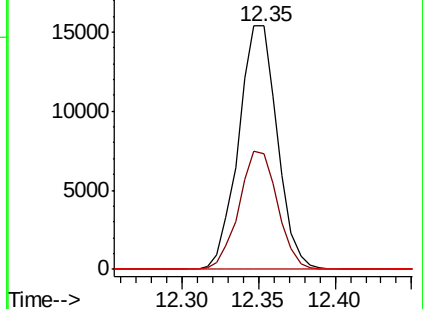
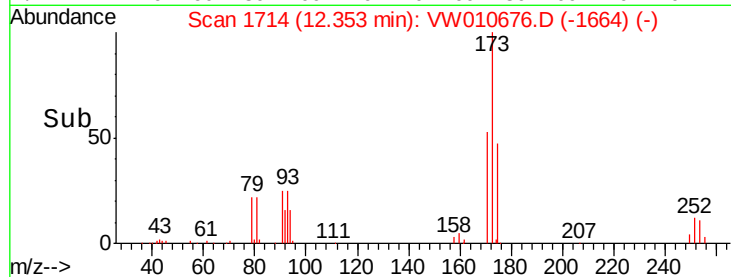
254 0.0 0.1 0.1#



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: VW010676.D

Acq: 04 Jun 2019 15:14

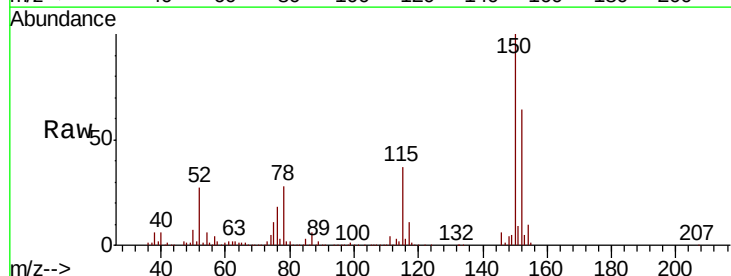
Tgt Ion:152 Resp: 187875

Ion Ratio Lower Upper

152 100

115 59.6 29.8 89.3

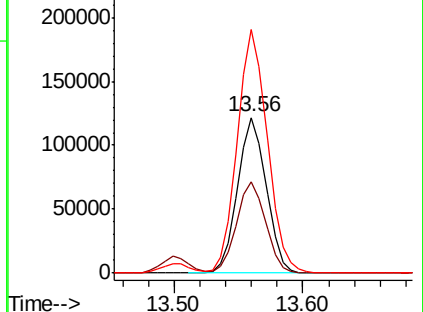
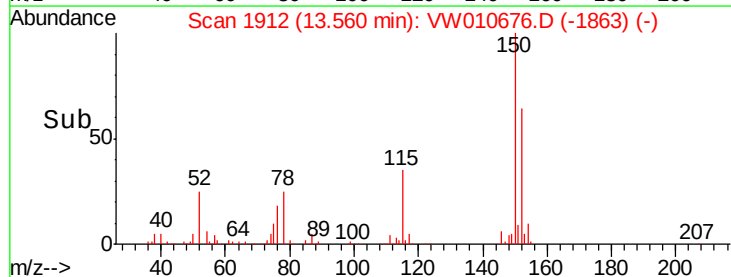
150 164.1 0.0 345.0

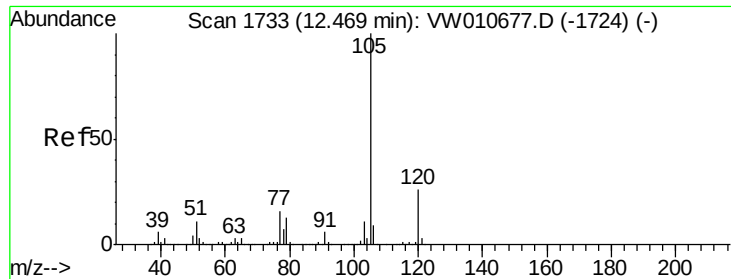


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.160 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

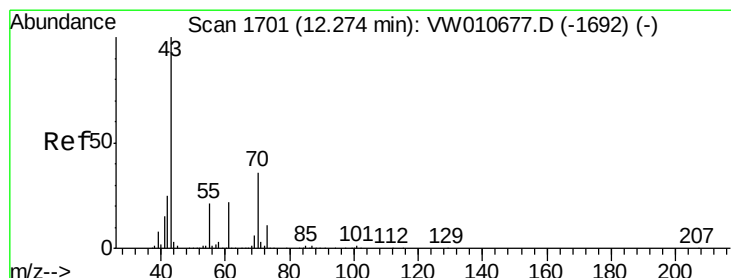
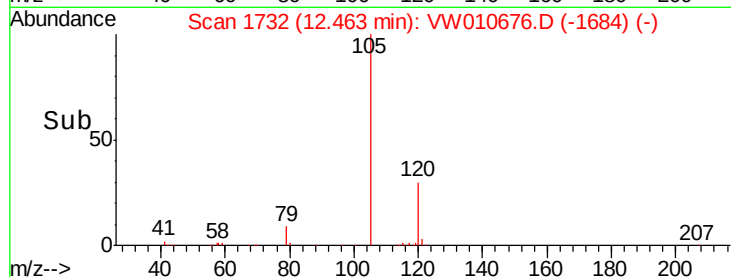
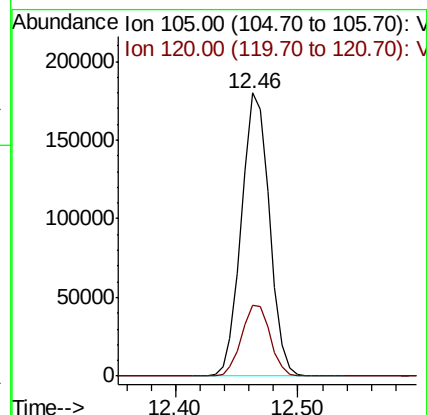
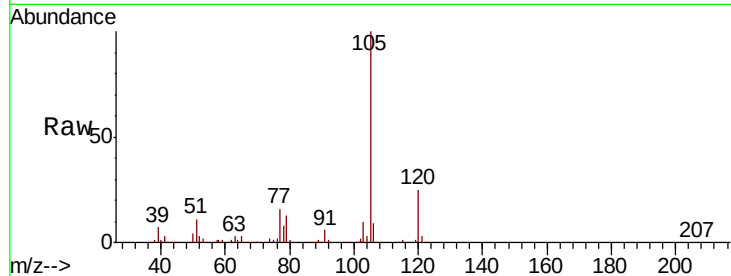
VSTDIC020

Tot Ion:105 Resp: 284623

Ion Ratio Lower Upper

105 100

120 25.6 13.1 39.1



#74

N-ethyl acetate

Concen: 20.578 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion: 43 Resp: 93894

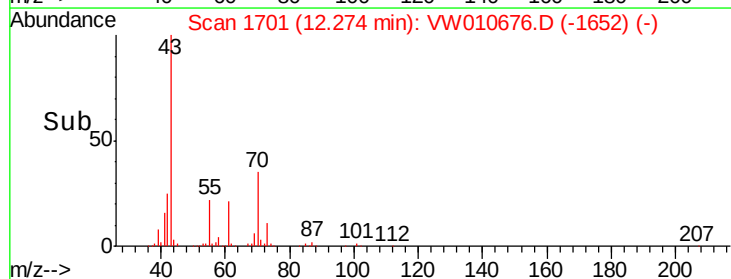
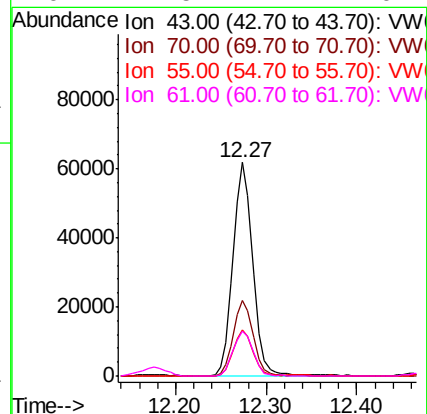
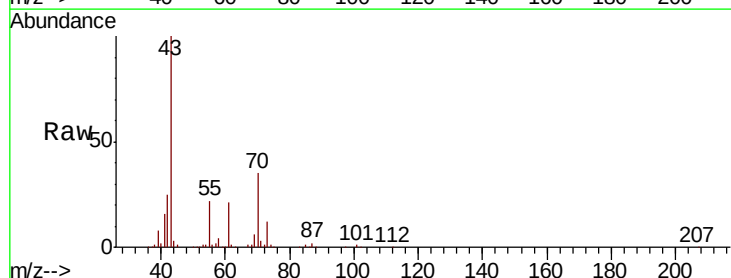
Ion Ratio Lower Upper

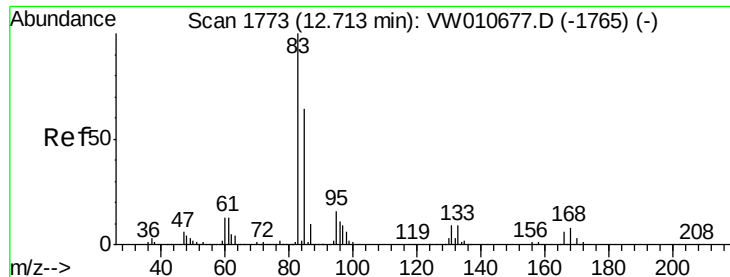
43 100

70 35.1 29.2 43.8

55 21.8 17.5 26.3

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.059 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

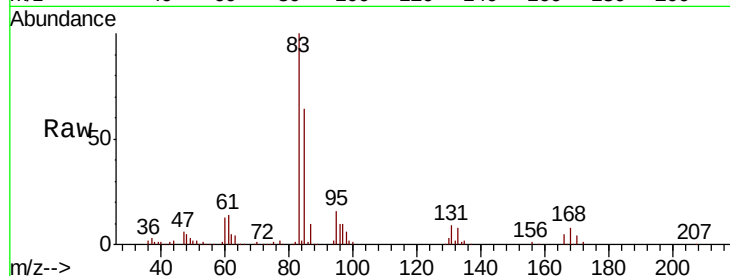
Tot Ion: 83 Resp: 53912

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

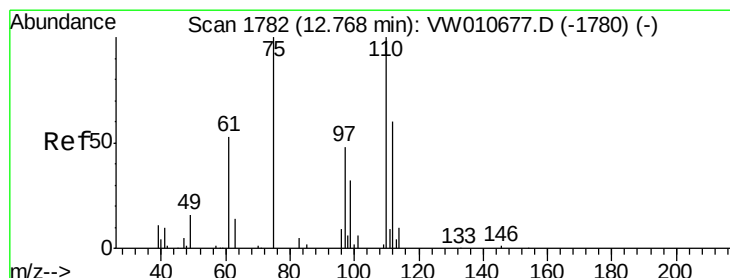
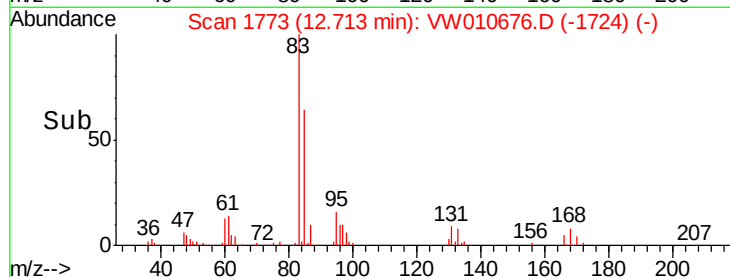
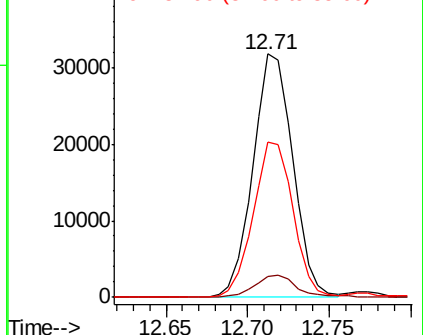
85 63.7 31.9 95.9



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: 26.574 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010676.D

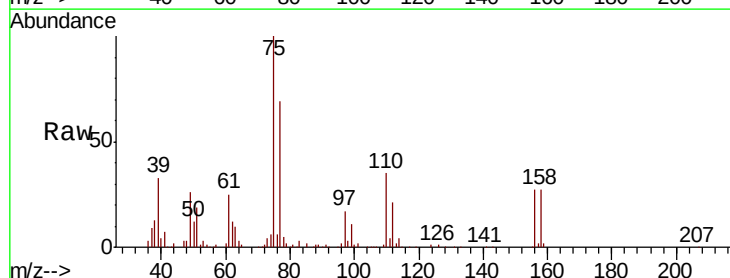
Acq: 04 Jun 2019 15:14

Tgt Ion: 75 Resp: 71523

Ion Ratio Lower Upper

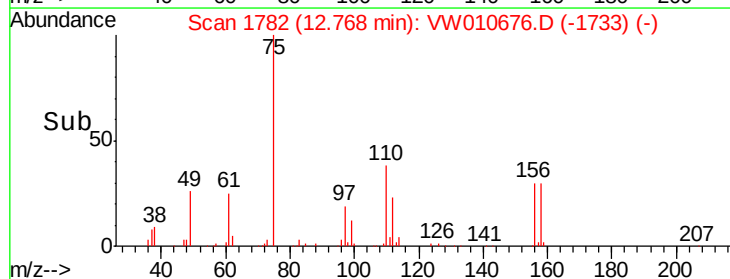
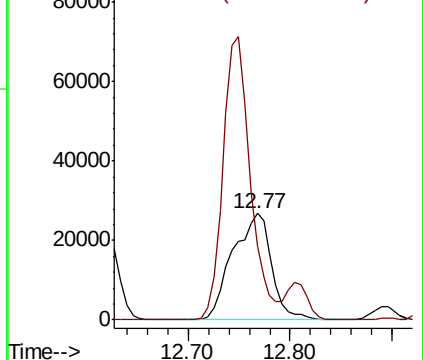
75 100

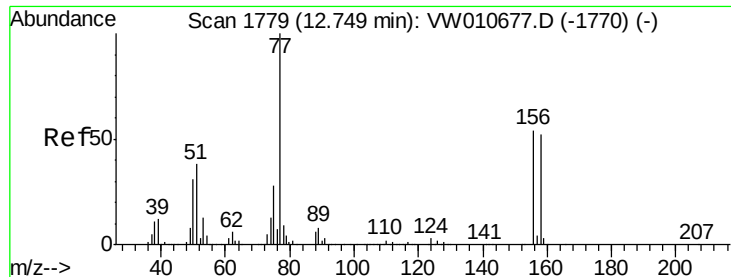
77 185.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.026 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

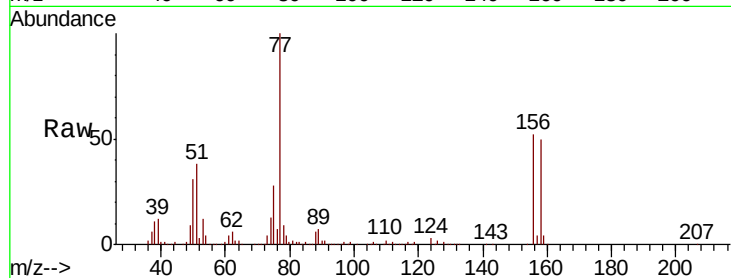
Tot Ion:156 Resp: 61716

Ion Ratio Lower Upper

156 100

77 214.4 106.5 319.4

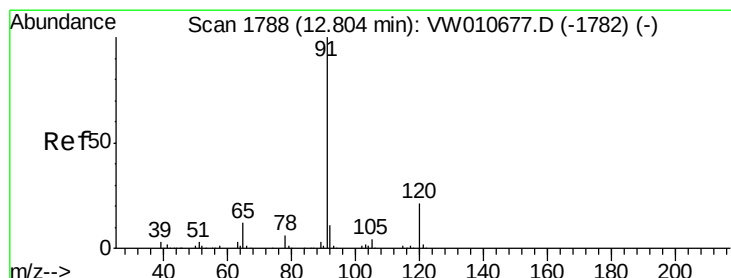
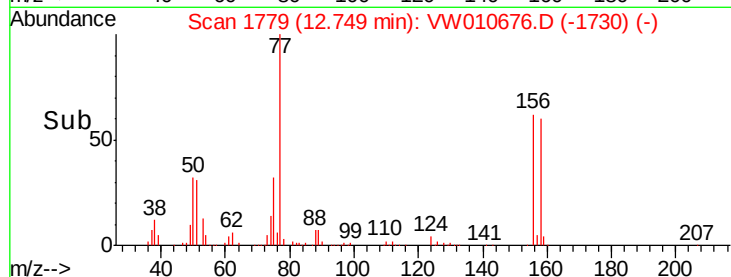
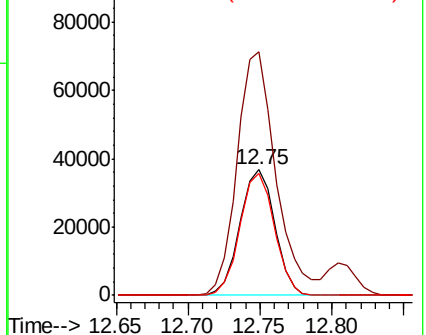
158 96.2 48.3 144.9



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: 20.101 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010676.D

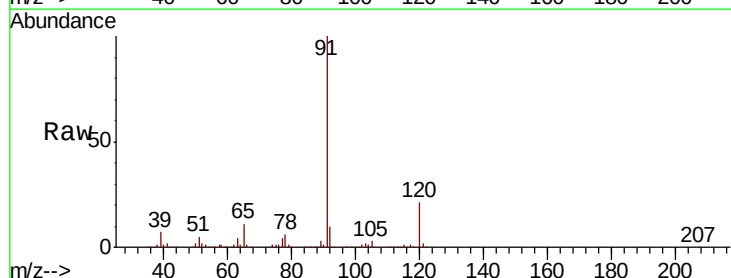
Acq: 04 Jun 2019 15:14

Tgt Ion: 91 Resp: 342186

Ion Ratio Lower Upper

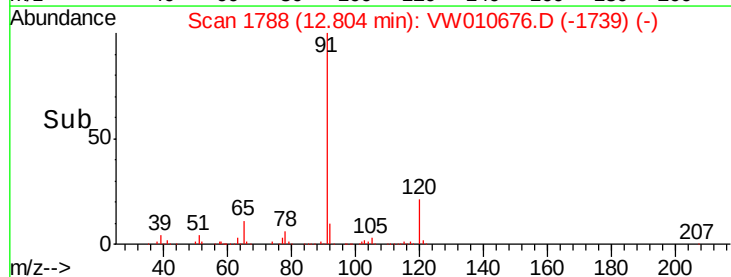
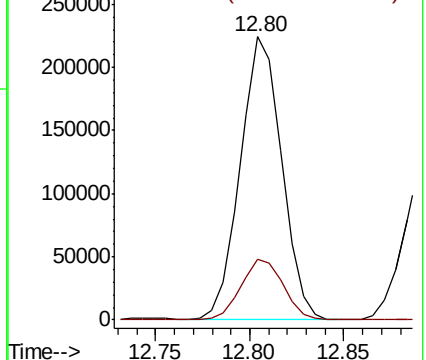
91 100

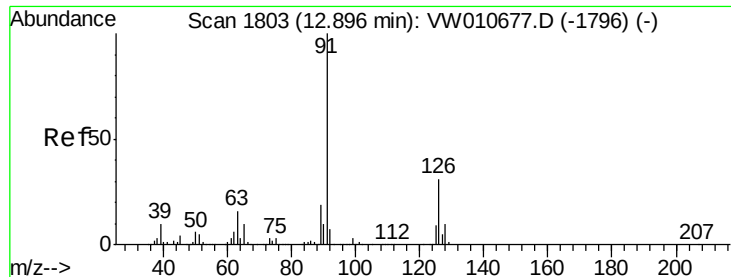
120 21.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.092 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

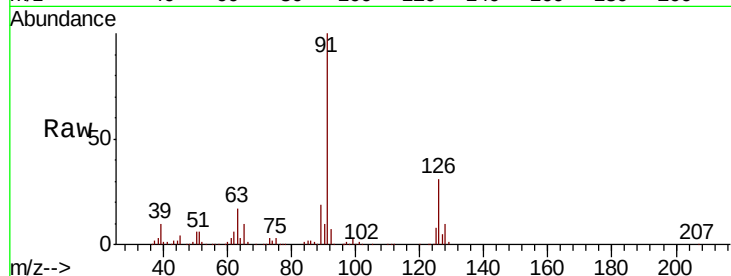
VSTDIC020

Tot Ion: 91 Resp: 195416

Ion Ratio Lower Upper

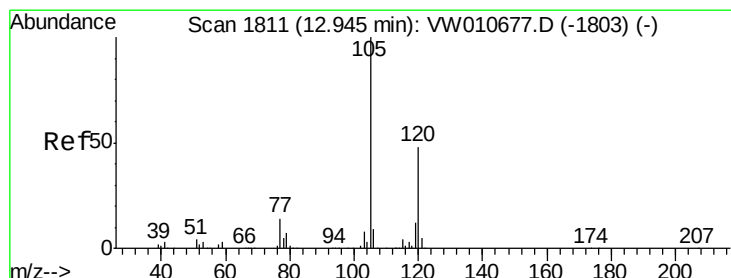
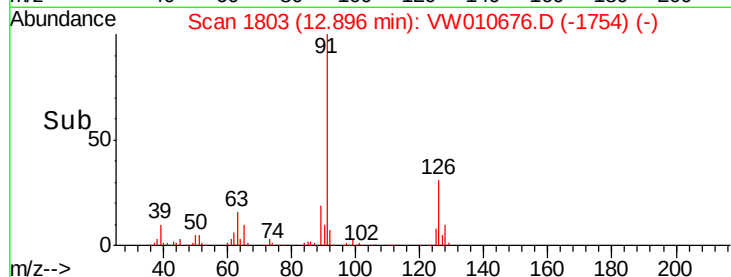
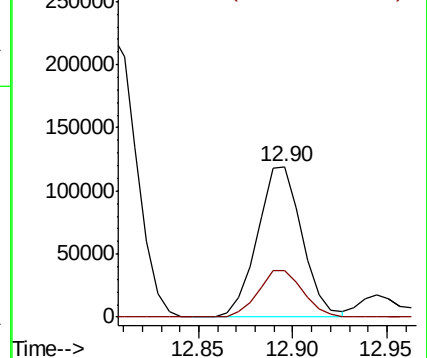
91 100

126 31.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.266 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010676.D

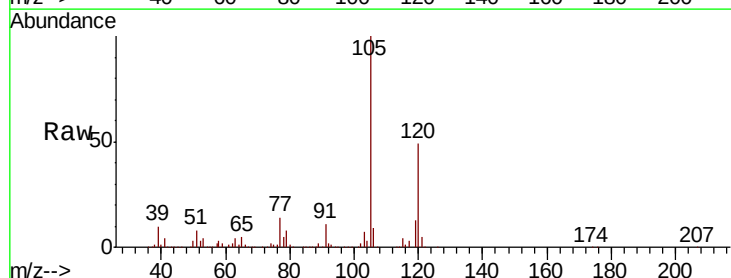
Acq: 04 Jun 2019 15:14

Tgt Ion:105 Resp: 234193

Ion Ratio Lower Upper

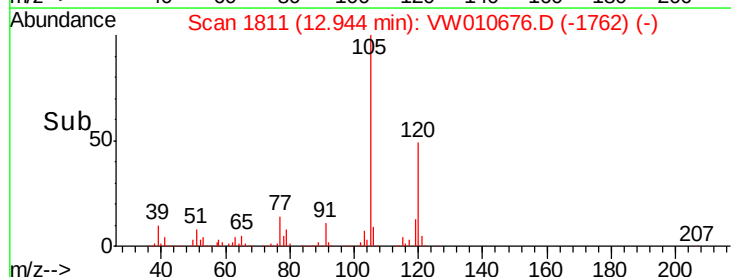
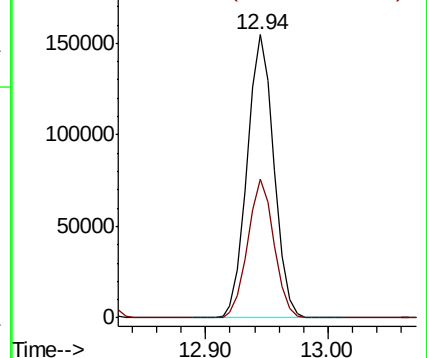
105 100

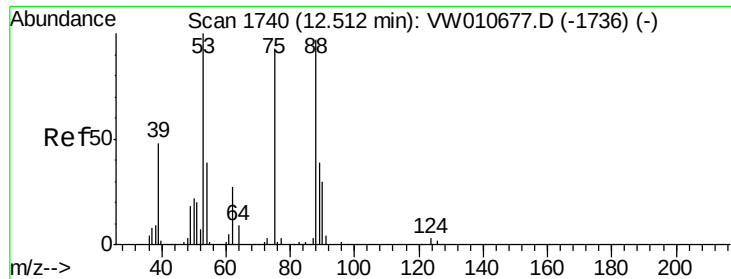
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.194 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

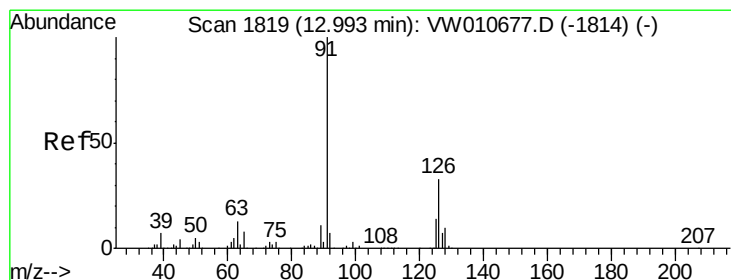
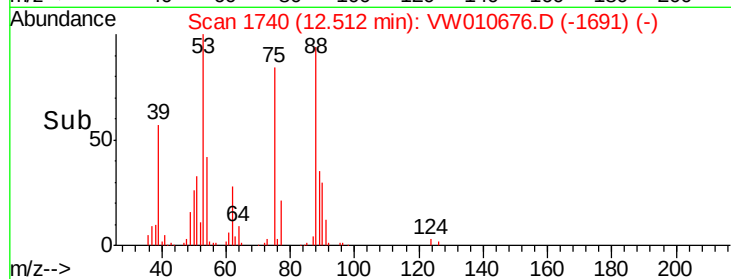
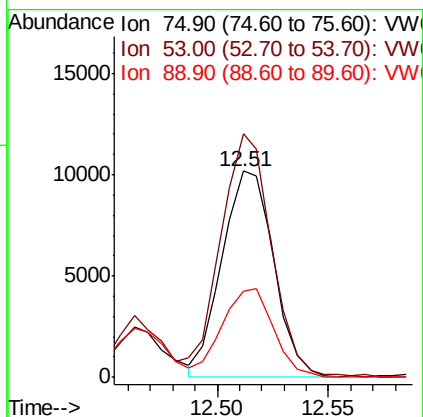
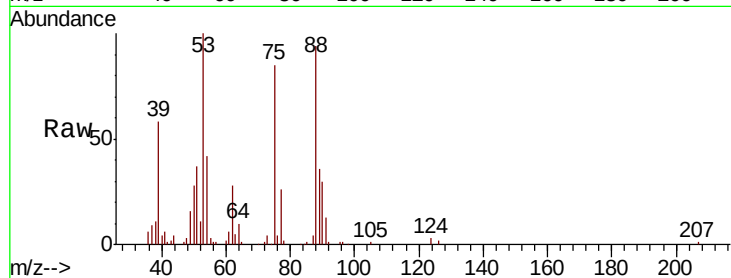
MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 16477

Ion	Ratio	Lower	Upper
75	100		
53	117.5	90.1	135.1
89	43.0	34.6	52.0



#82

4-Chlorotoluene

Concen: 20.019 ug/l

RT: 12.99 min Scan# 1818

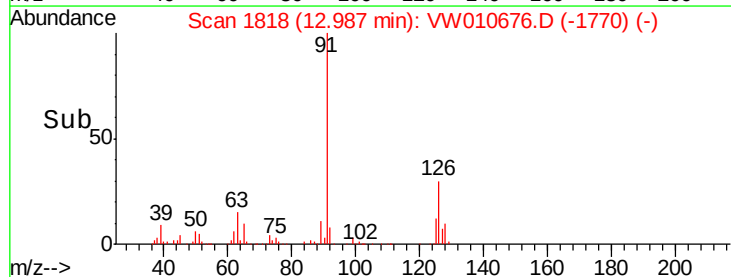
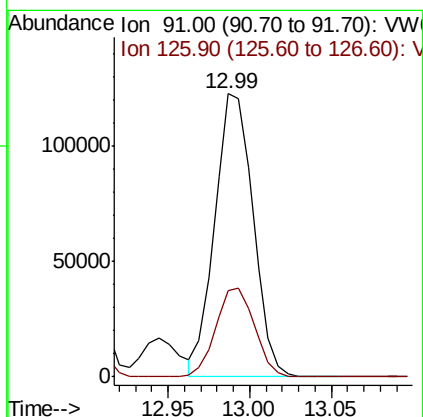
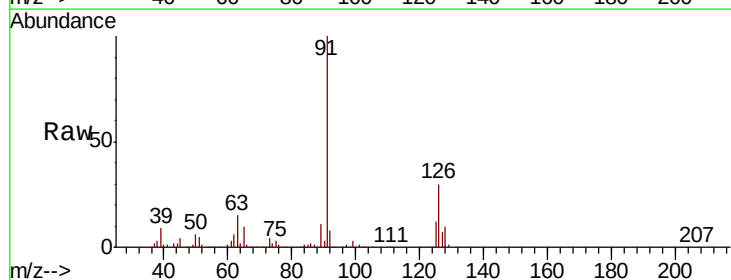
Delta R.T. -0.01 min

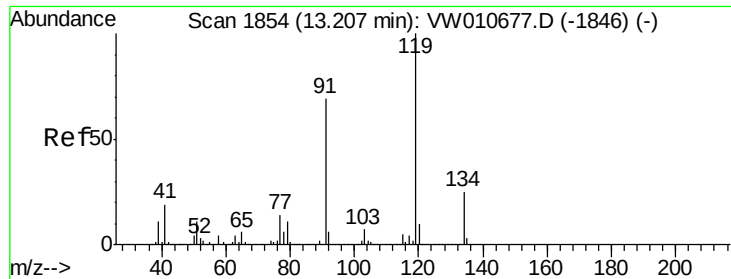
Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Tgt Ion: 91 Resp: 200920

Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7

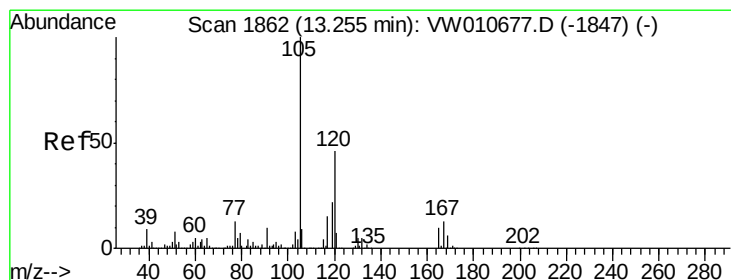
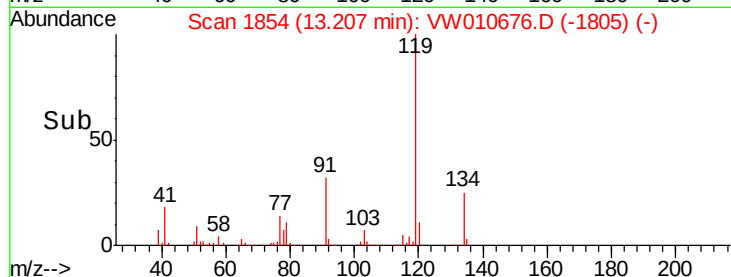
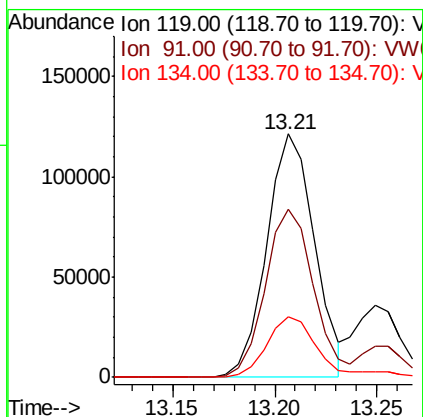
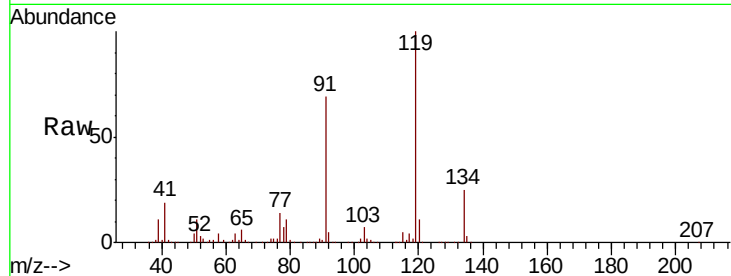




#83
 tert-Butylbenzene
 Concen: 20.216 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

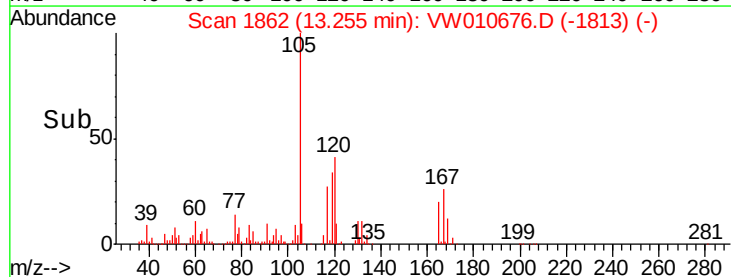
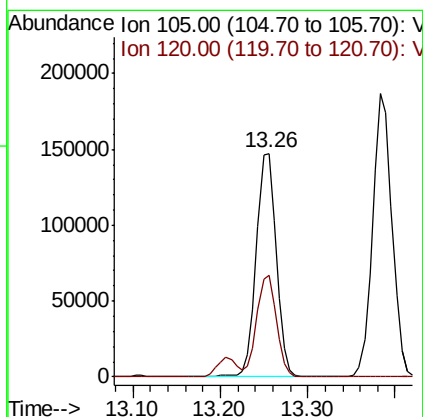
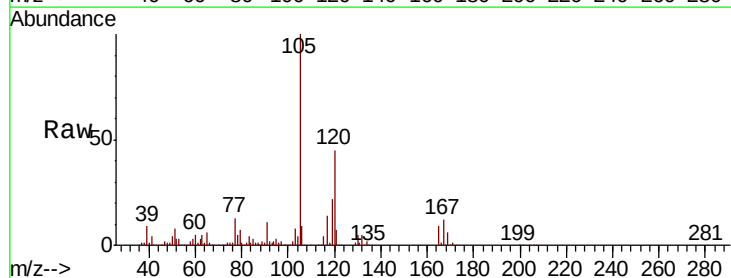
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

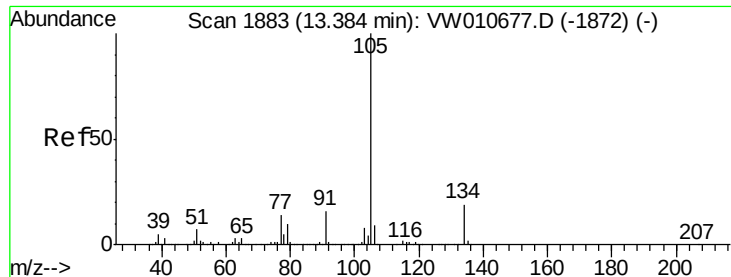
Tot Ion:119 Resp: 198268
 Ion Ratio Lower Upper
 119 100
 91 70.1 35.1 105.3
 134 27.1 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.176 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion:105 Resp: 234616
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.5 67.5





#85

sec-Butylbenzene

Concen: 20.205 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampleId :

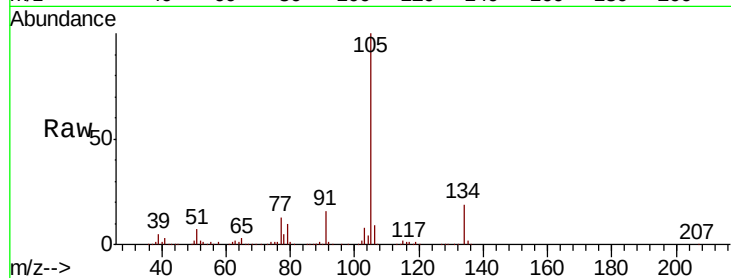
VSTDIC020

Tot Ion:105 Resp: 288511

Ion Ratio Lower Upper

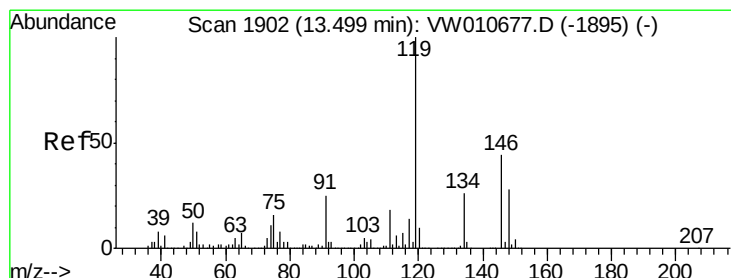
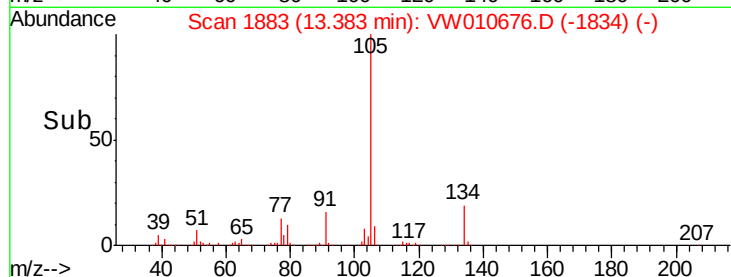
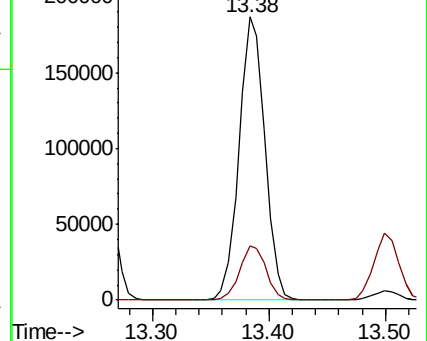
105 100

134 19.4 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.219 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

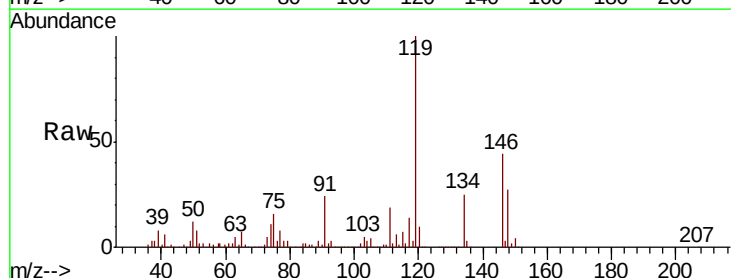
Tgt Ion:119 Resp: 258179

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

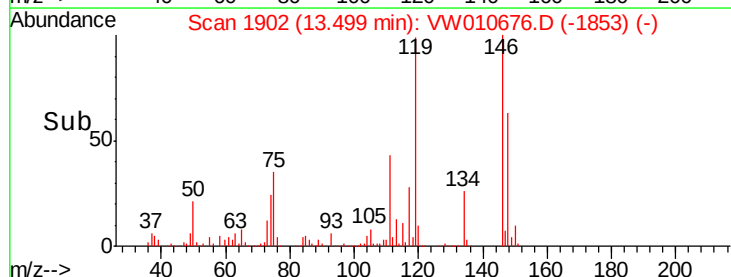
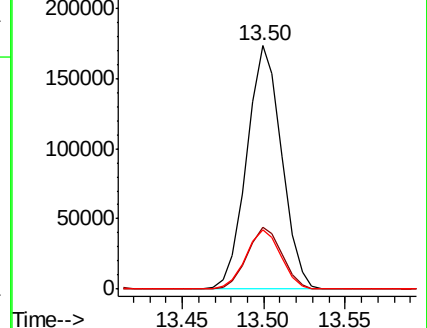
91 24.4 12.2 36.4

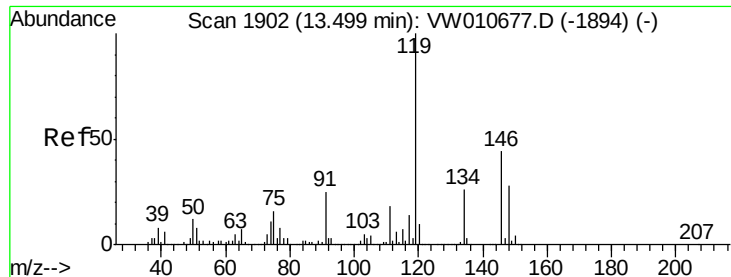


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

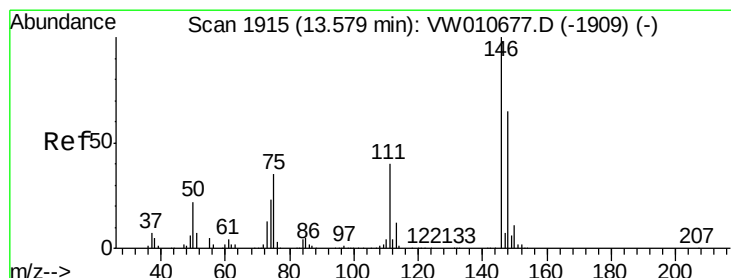
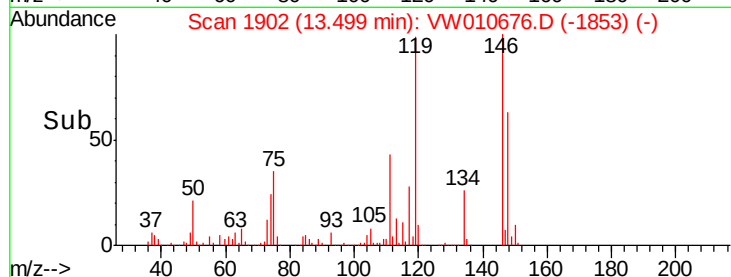
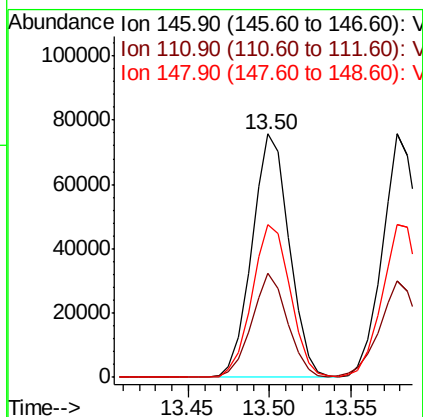
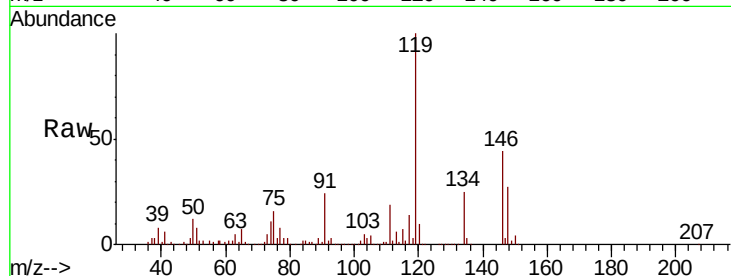




#87
1,3-Dichlorobenzene
Concen: 20.198 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

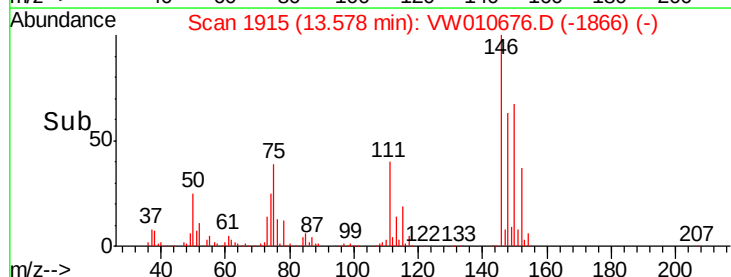
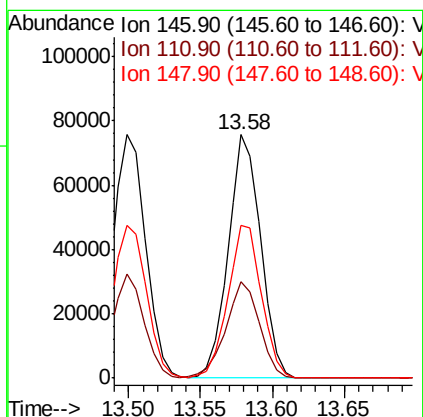
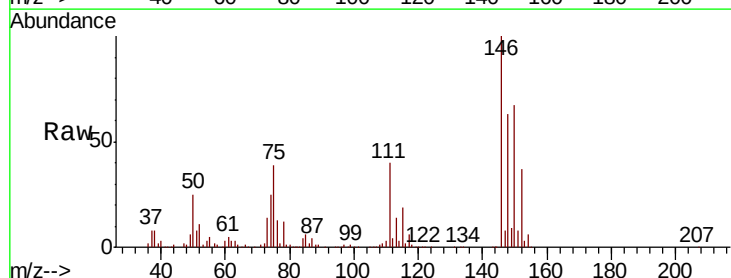
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

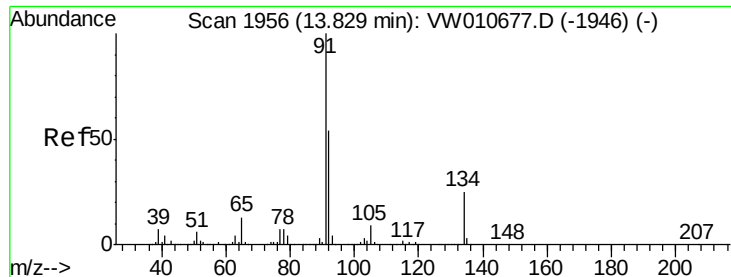
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.3
148	64.2	31.5	94.5



#88
1,4-Dichlorobenzene
Concen: 20.233 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.9
148	64.9	32.4	97.2





#89

n-Butylbenzene

Concen: 20.269 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010676.D

Acq: 04 Jun 2019 15:14

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

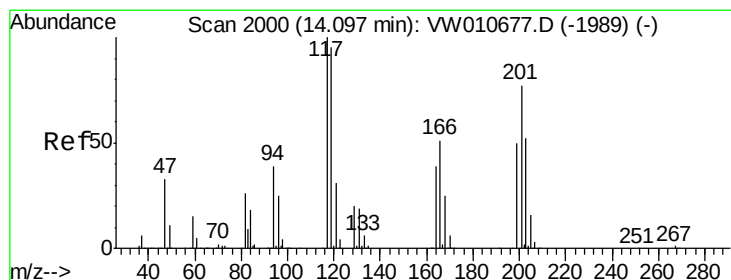
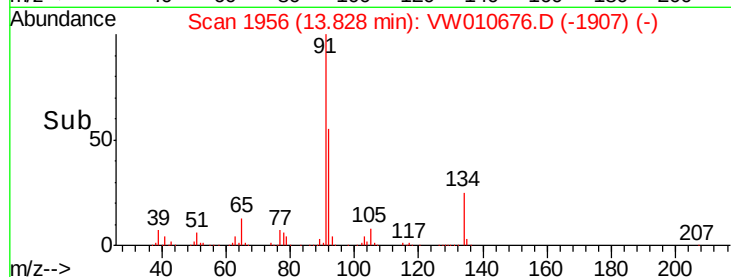
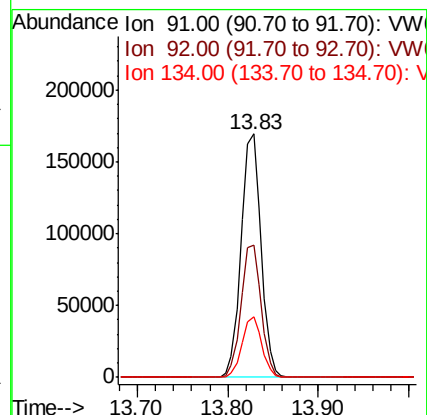
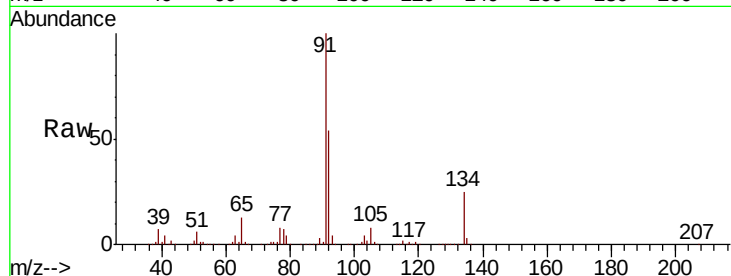
Tot Ion: 91 Resp: 258236

Ion Ratio Lower Upper

91 100

92 54.6 27.3 81.8

134 24.6 12.3 36.9



#90

Hexachloroethane

Concen: 19.721 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010676.D

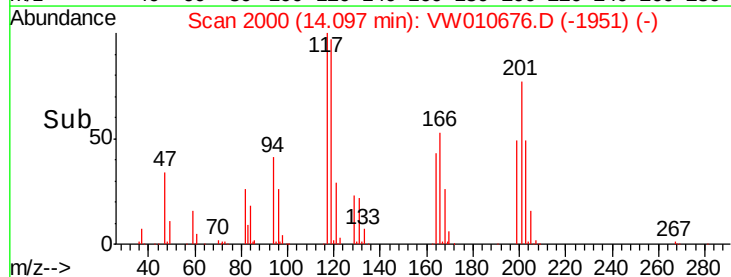
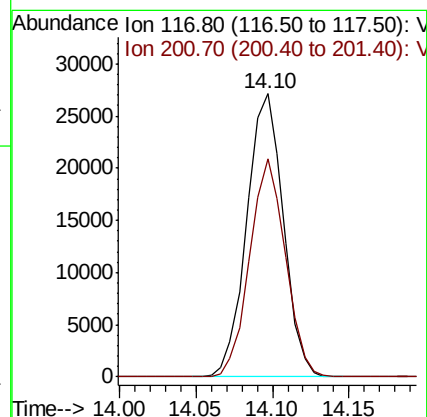
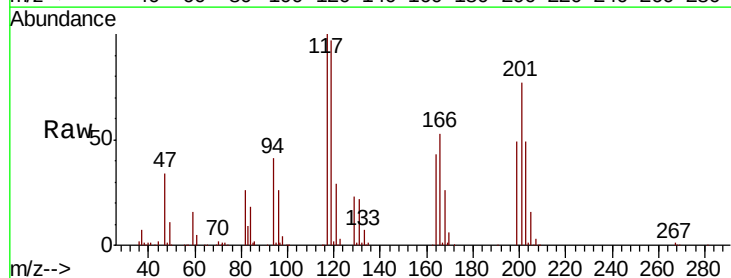
Acq: 04 Jun 2019 15:14

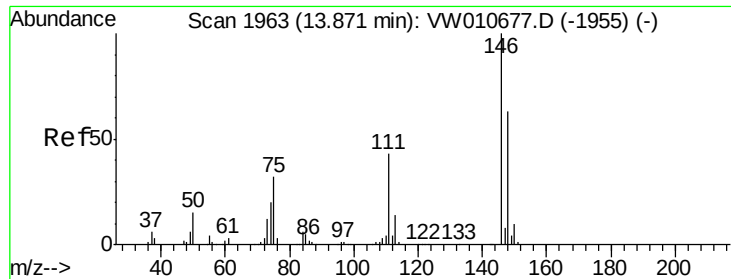
Tgt Ion: 117 Resp: 45097

Ion Ratio Lower Upper

117 100

201 75.3 38.8 116.4

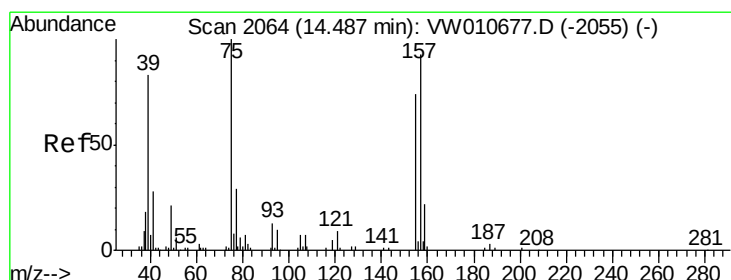
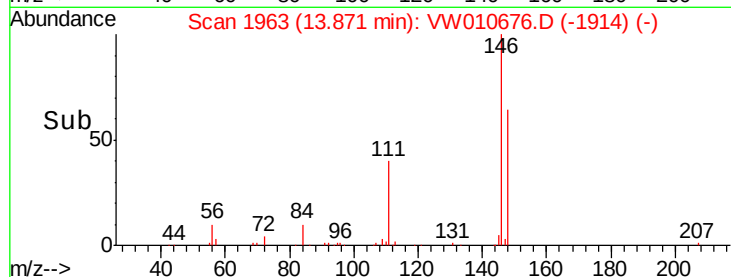
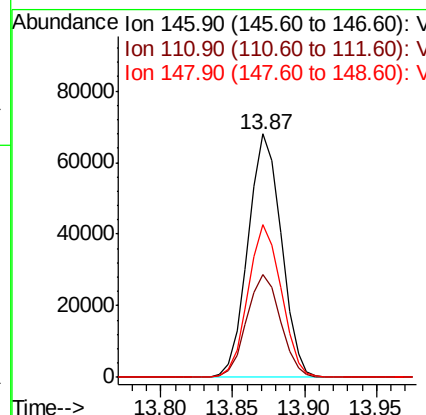
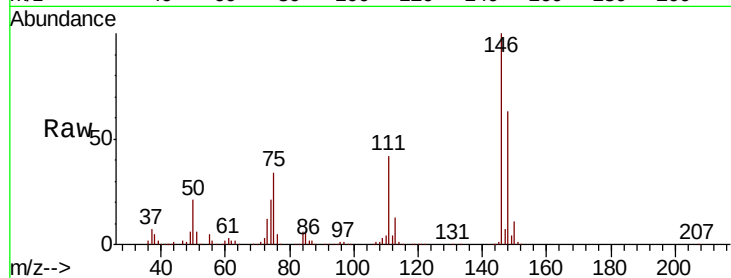




#91
 1,2-Dichlorobenzene
 Concen: 20.346 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

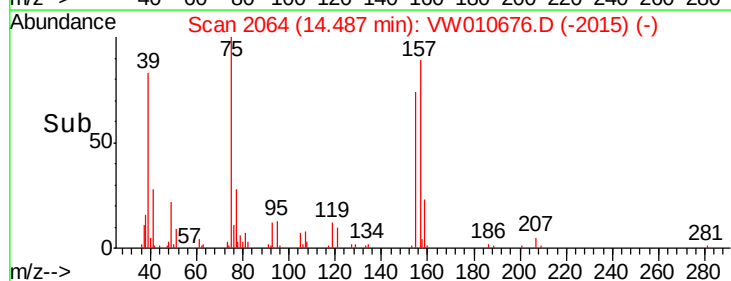
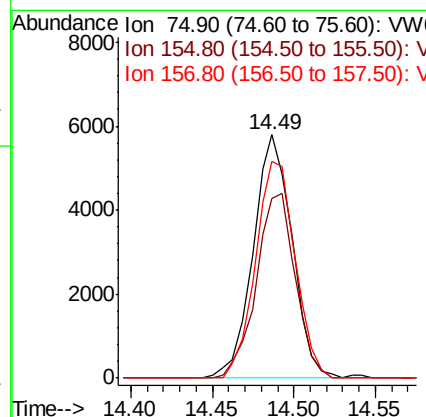
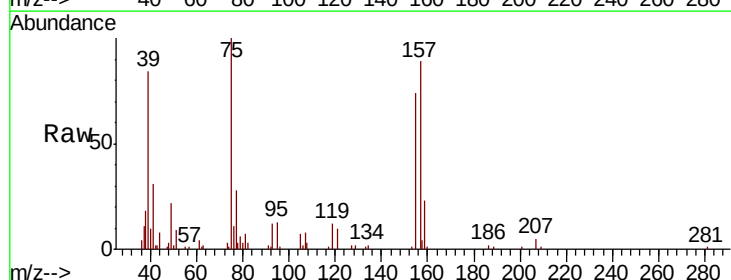
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

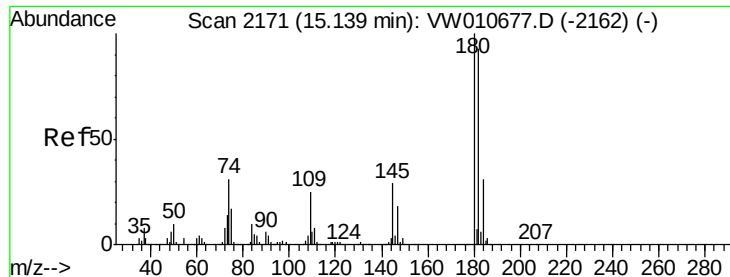
Tot Ion:146 Resp: 108742
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.5 64.5
 148 62.7 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.757 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion: 75 Resp: 9580
 Ion Ratio Lower Upper
 75 100
 155 76.4 38.8 116.4
 157 91.0 48.4 145.0

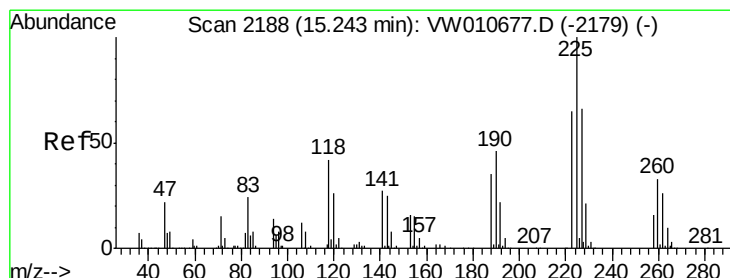
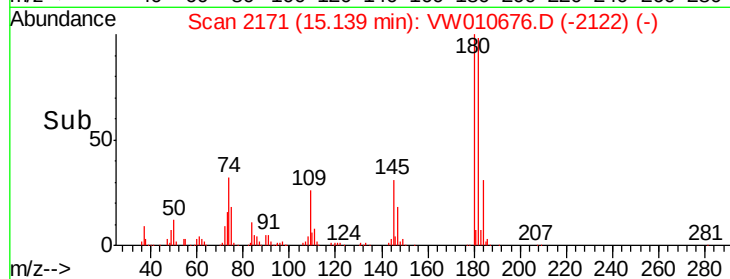
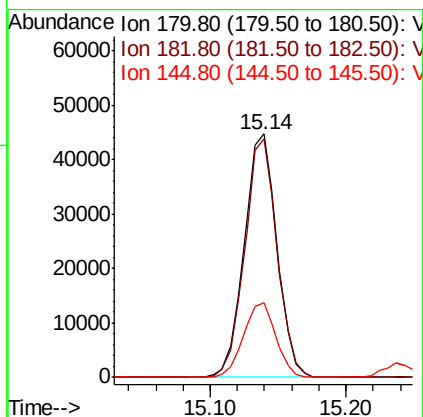
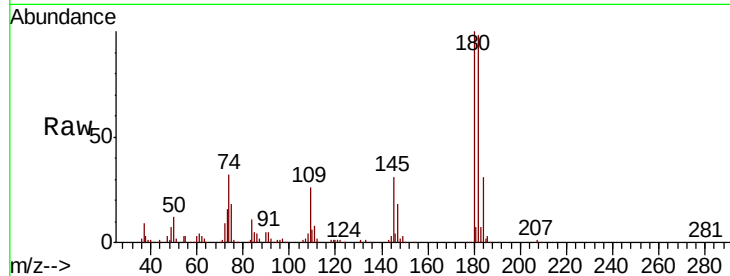




#93
 1,2,4-Trichlorobenzene
 Concen: 20.032 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

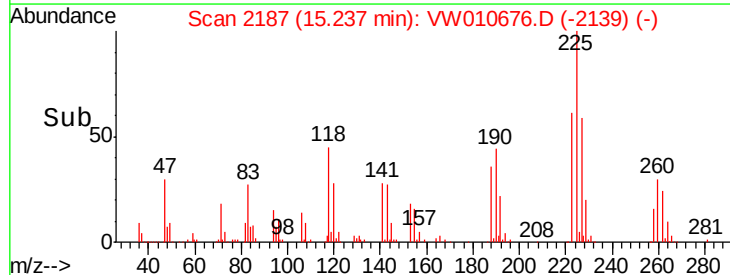
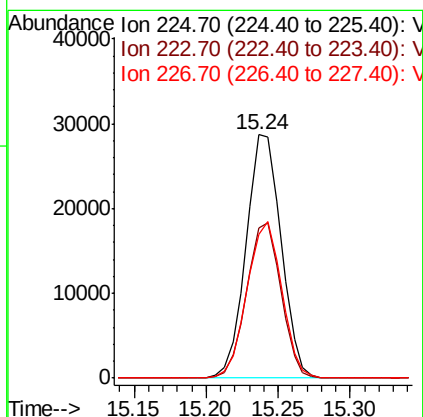
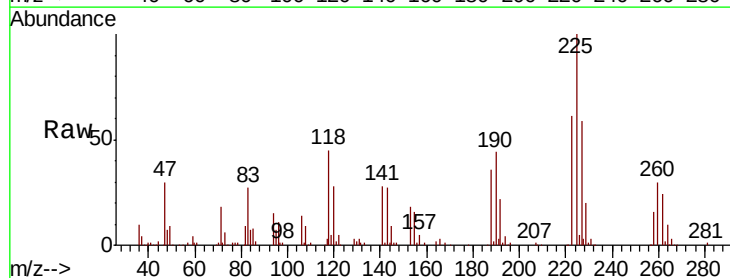
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

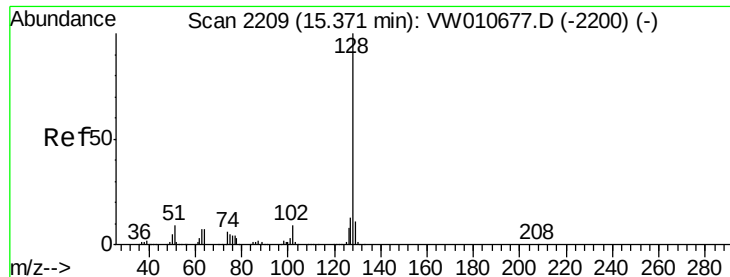
Tot Ion:180 Resp: 75131
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.1 141.4
 145 30.5 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 20.499 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010676.D
 Acq: 04 Jun 2019 15:14

Tgt Ion:225 Resp: 48251
 Ion Ratio Lower Upper
 225 100
 223 62.5 32.2 96.6
 227 63.6 32.0 96.0

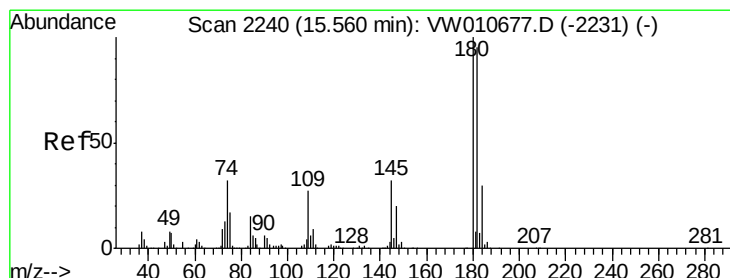
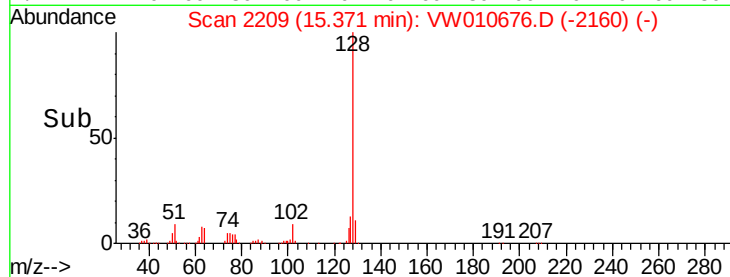
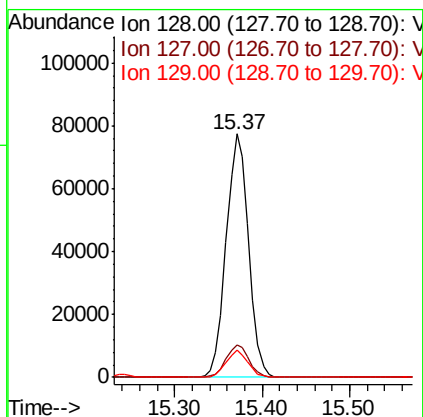
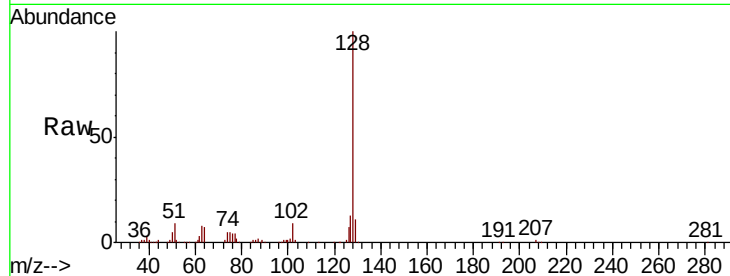




#95
Naphthalene
Concen: 20.176 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 137485
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.534 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010676.D
Acq: 04 Jun 2019 15:14

Tgt Ion:180 Resp: 65495
Ion Ratio Lower Upper
180 100
182 95.6 47.0 141.0
145 31.2 16.1 48.3

