

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010789.D
 Acq On : 13 Jun 2019 11:03
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 14 07:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	262509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	426798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	180276	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	143582	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
35) Dibromofluoromethane	7.88	113	115726	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.32	98	483002	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.62	95	176347	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	108396	44.684	ug/l	99
3) Chloromethane	2.22	50	164974	46.223	ug/l	100
4) Vinyl Chloride	2.35	62	152345	46.200	ug/l	98
5) Bromomethane	2.75	94	81821	45.185	ug/l	100
6) Chloroethane	2.91	64	93708	47.343	ug/l	99
7) Trichlorofluoromethane	3.25	101	206852	48.324	ug/l	100
8) Diethyl Ether	3.68	74	67397	44.059	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	127140	48.311	ug/l	98
10) Methyl Iodide	4.27	142	113888	42.777	ug/l	98
11) Tert butyl alcohol	5.17	59	62490	247.907	ug/l	97
12) 1,1-Dichloroethene	4.04	96	120545	47.484	ug/l	96
13) Acrolein	3.90	56	19952	193.701	ug/l	98
14) Allyl chloride	4.67	41	279510	49.934	ug/l	98
15) Acrylonitrile	5.37	53	163323	219.770	ug/l	99
16) Acetone	4.12	43	229005	276.222	ug/l	98
17) Carbon Disulfide	4.38	76	376086	46.668	ug/l	99
18) Methyl Acetate	4.67	43	78081	43.752	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	326428	44.583	ug/l	97
20) Methylene Chloride	4.92	84	133336	45.845	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	136545	47.380	ug/l	94
22) Diisopropyl ether	6.31	45	547011	48.812	ug/l	98
23) Vinyl Acetate	6.26	43	1567264	231.740	ug/l	99
24) 1,1-Dichloroethane	6.22	63	277695	49.447	ug/l	98
25) 2-Butanone	7.17	43	282278	245.543	ug/l	98
26) 2,2-Dichloropropane	7.17	77	240163	52.553	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	151745	47.846	ug/l	97
28) Bromochloromethane	7.51	49	117121	46.731	ug/l	95
29) Tetrahydrofuran	7.53	42	152879	211.423	ug/l	98
30) Chloroform	7.68	83	249952	48.659	ug/l	100
31) Cyclohexane	7.95	56	289600	46.389	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	223757	49.866	ug/l	99
36) 1,1-Dichloropropene	8.09	75	212992	48.753	ug/l	99
37) Ethyl Acetate	7.25	43	103344	42.688	ug/l	99
38) Carbon Tetrachloride	8.07	117	189750	50.314	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	266180	47.929	ug/l	98
40) Benzene	8.32	78	574244	48.182	ug/l	100
41) Methacrylonitrile	7.48	41	62015	43.096	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179261	47.391	ug/l	99
43) Isopropyl Acetate	8.43	43	204642	43.754	ug/l	100
44) Trichloroethene	9.09	130	140520	47.797	ug/l	99
45) 1,2-Dichloropropane	9.37	63	154632	49.013	ug/l	95
46) Dibromomethane	9.46	93	67039	45.749	ug/l	99
47) Bromodichloromethane	9.65	83	186542	49.109	ug/l	98
48) Methyl methacrylate	9.44	41	107287	47.577	ug/l	95
49) 1,4-Dioxane	9.45	88	22609	986.841	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	521967	218.454	ug/l	99
52) Toluene	10.39	92	353003	48.139	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	192409	47.823	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	230442	48.675	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	95143	45.070	ug/l	99
56) Ethyl methacrylate	10.65	69	145971	44.938	ug/l	98
57) 1,3-Dichloropropane	10.93	76	183050	46.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	355599	209.005	ug/l	99
59) 2-Hexanone	10.97	43	407805	236.155	ug/l	98
60) Dibromochloromethane	11.13	129	110875	47.380	ug/l	99
61) 1,2-Dibromoethane	11.24	107	87944	43.969	ug/l	99
64) Tetrachloroethene	10.86	164	115276	46.274	ug/l	95
65) Chlorobenzene	11.66	112	356300	48.291	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	125303	49.060	ug/l	100
67) Ethyl Benzene	11.73	91	703536	49.615	ug/l	99
68) m/p-Xylenes	11.84	106	501790	98.855	ug/l	99
69) o-Xylene	12.16	106	236071	49.037	ug/l	96
70) Styrene	12.18	104	408807	48.883	ug/l	99
71) Bromoform	12.35	173	59492	45.038	ug/l	99
73) Isopropylbenzene	12.46	105	669433	49.415	ug/l	99
74) N-amyl acetate	12.27	43	197814	45.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	111604	43.274	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	153849	81.266	ug/l #	100
77) Bromobenzene	12.75	156	140393	47.477	ug/l	98
78) n-propylbenzene	12.80	91	819958	50.196	ug/l	100
79) 2-Chlorotoluene	12.90	91	457380	49.010	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	559384	50.447	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37725	45.799	ug/l	99
82) 4-Chlorotoluene	12.99	91	479207	49.758	ug/l	99
83) tert-Butylbenzene	13.21	119	484313	51.465	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	565731	50.701	ug/l	99
85) sec-Butylbenzene	13.39	105	688713	50.266	ug/l	100
86) p-Isopropyltoluene	13.50	119	614471	50.150	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	278707	48.873	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	272106	48.130	ug/l	100
89) n-Butylbenzene	13.83	91	634820	51.928	ug/l	100
90) Hexachloroethane	14.10	117	113167	51.574	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	244352	47.647	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20047	45.266	ug/l	93

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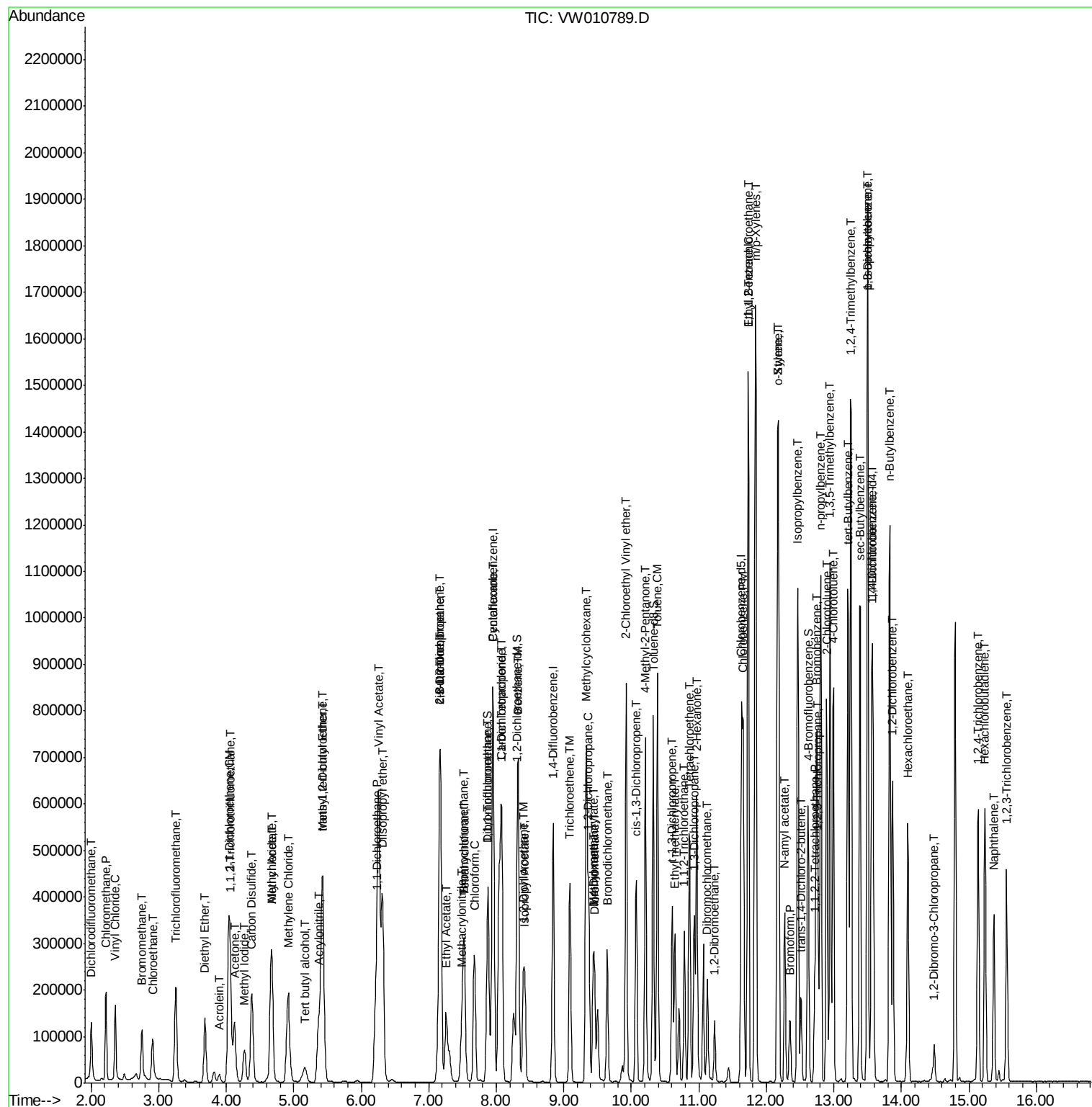
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	177475	49.314	ug/l	99
94) Hexachlorobutadiene	15.24	225	116043	51.377	ug/l	98
95) Naphthalene	15.37	128	293404	44.872	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	148220	48.428	ug/l	98

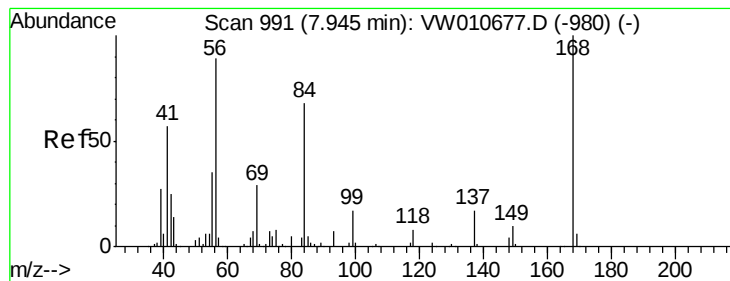
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061319\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

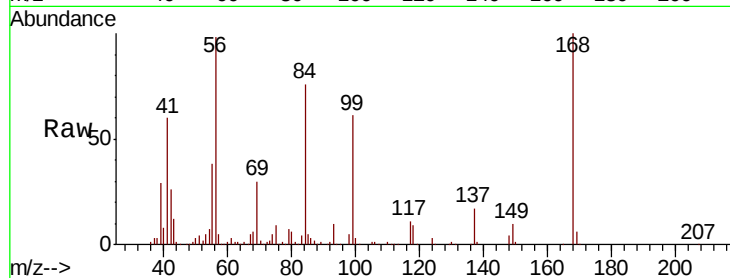
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 262509

Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

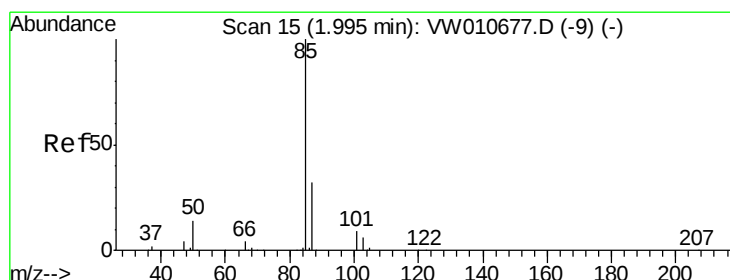
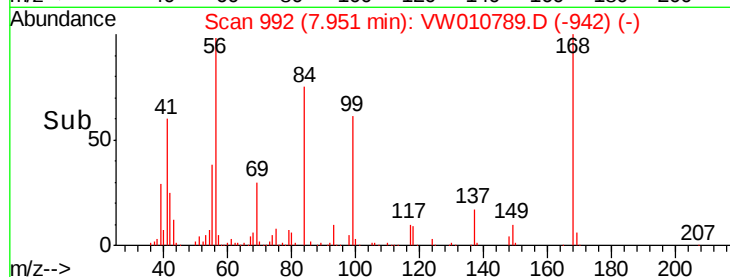
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 44.684 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010789.D

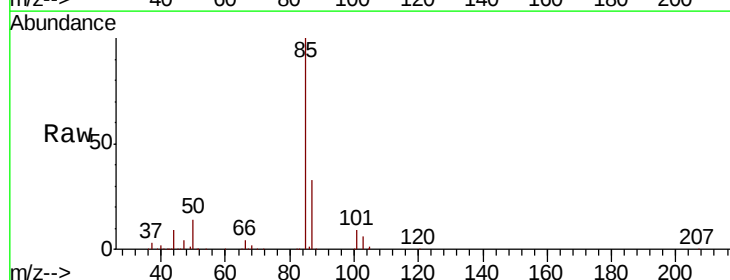
Acq: 13 Jun 2019 11:03

Tgt Ion: 85 Resp: 108396

Ion Ratio Lower Upper

85 100

87 32.8 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

80000

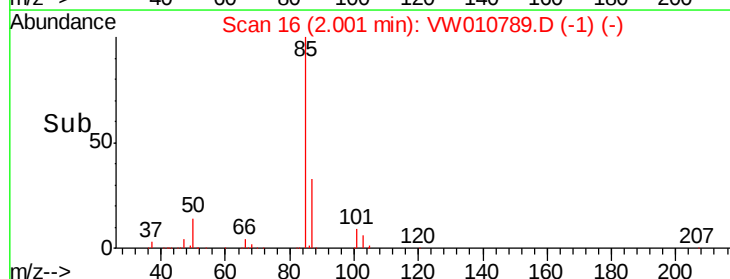
60000

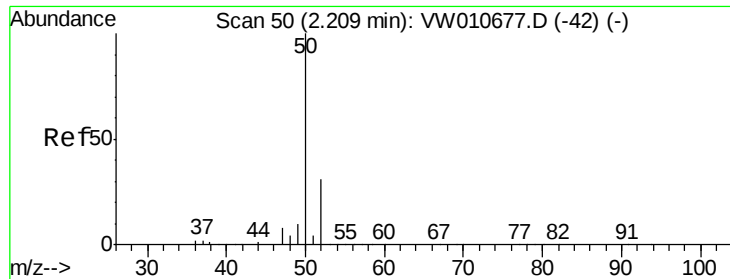
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 46.223 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

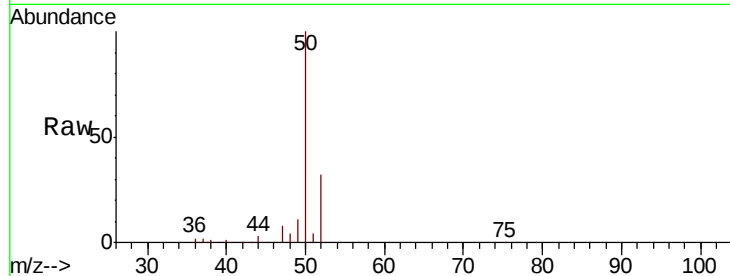
ClientSampleId :

Tot Ion: 50 Resp: 164974

Ion Ratio Lower Upper

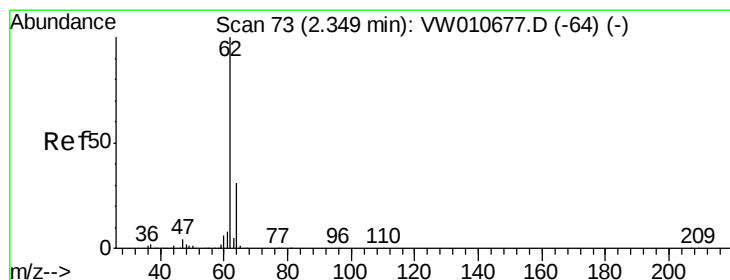
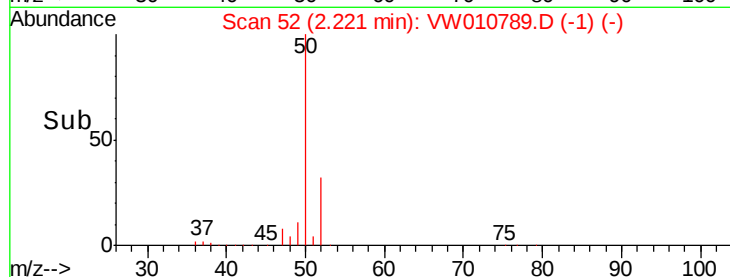
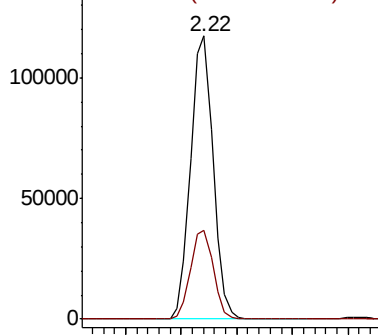
50 100

52 31.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 46.200 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010789.D

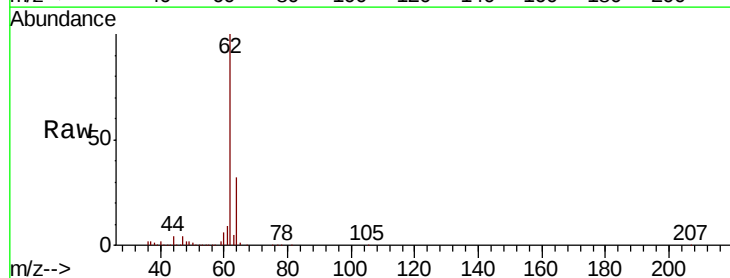
Acq: 13 Jun 2019 11:03

Tgt Ion: 62 Resp: 152345

Ion Ratio Lower Upper

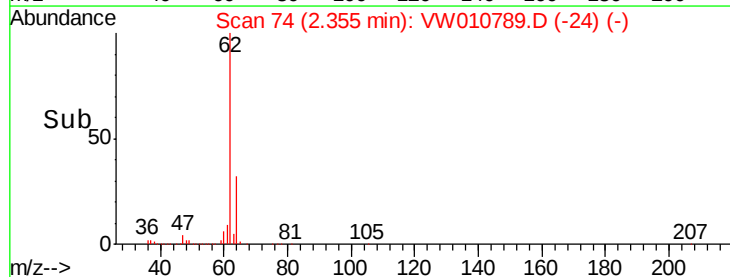
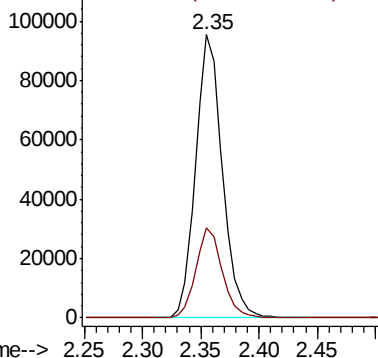
62 100

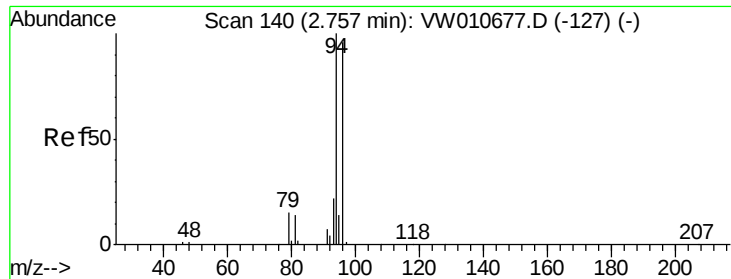
64 31.8 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 45.185 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

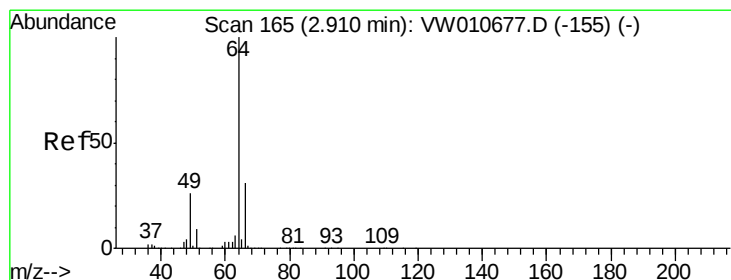
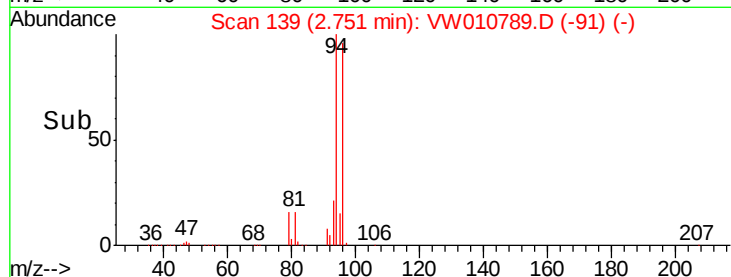
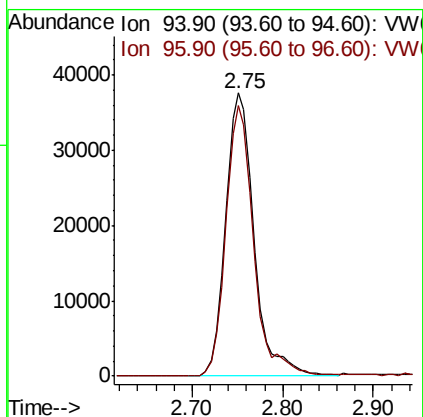
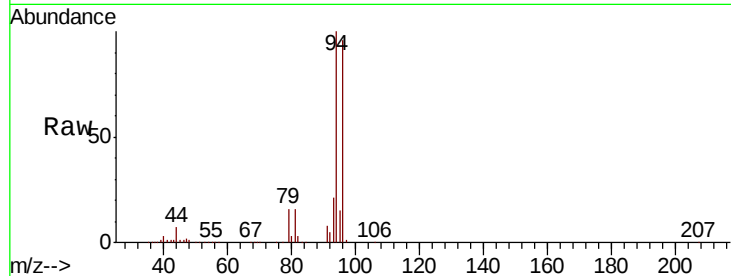
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 81821

Ion Ratio Lower Upper

94 100

96 95.5 76.5 114.7



#6

Chloroethane

Concen: 47.343 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW010789.D

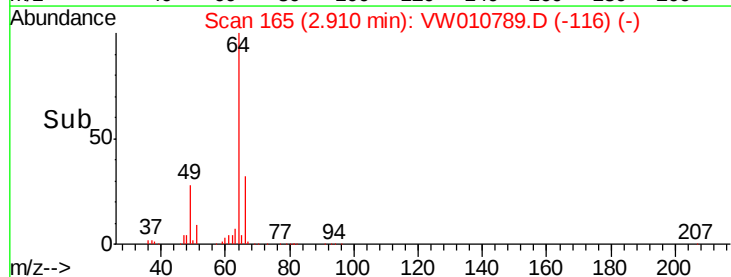
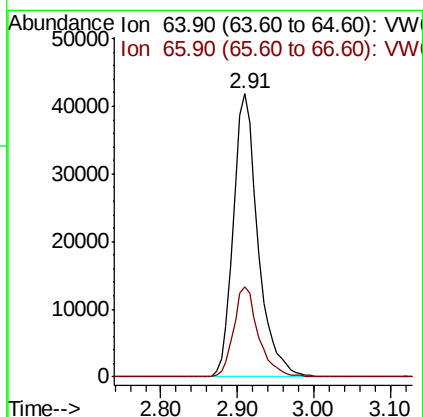
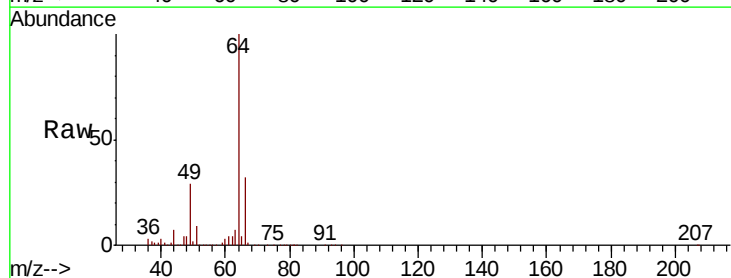
Acq: 13 Jun 2019 11:03

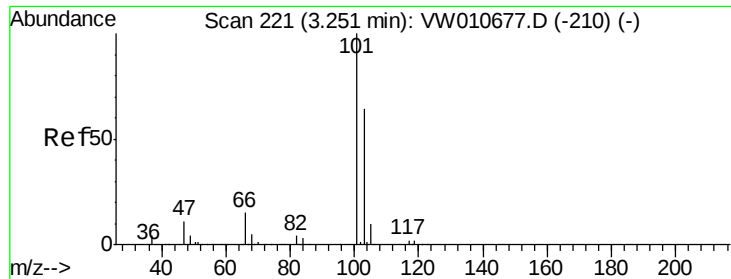
Tgt Ion: 64 Resp: 93708

Ion Ratio Lower Upper

64 100

66 31.7 25.1 37.7



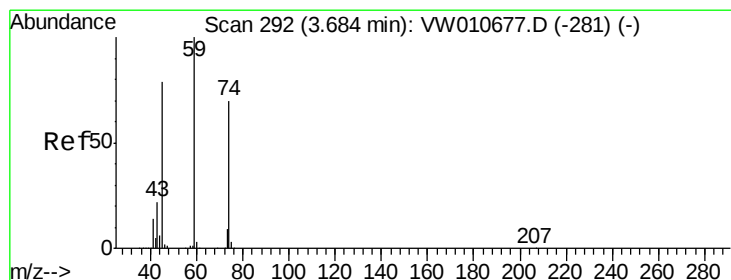
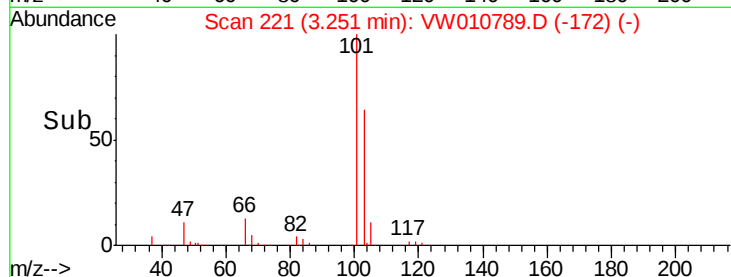
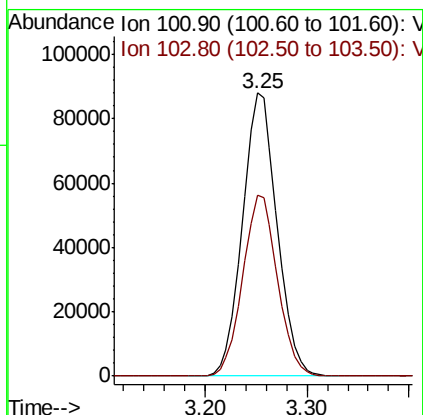
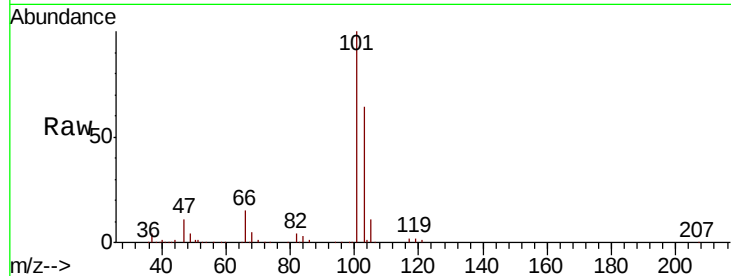


#7

Trichlorofluoromethane
 Concen: 48.324 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Instrument :
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 ClientSampleId :

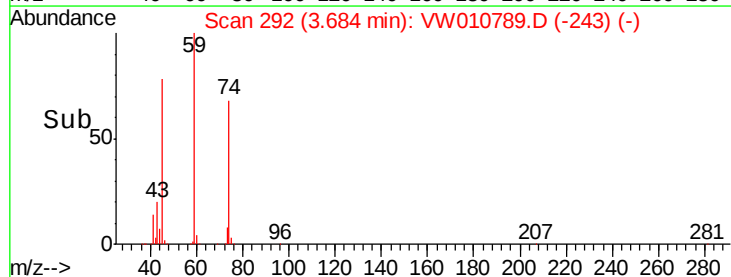
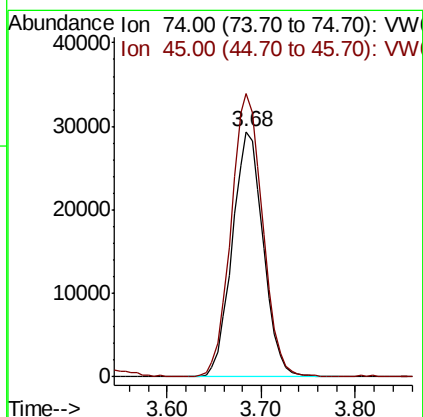
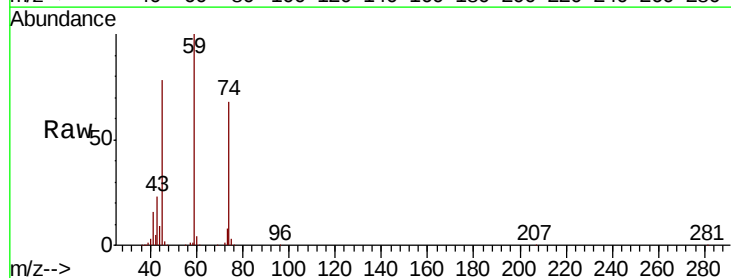
Tot Ion:101 Resp: 206852
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.2 76.8

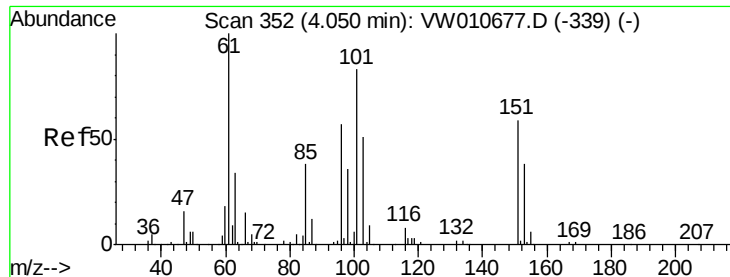


#8

Diethyl Ether
 Concen: 44.059 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion: 74 Resp: 67397
 Ion Ratio Lower Upper
 74 100
 45 117.6 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.311 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

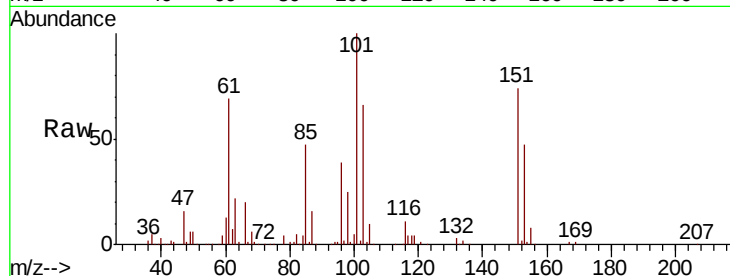
Tot Ion:101 Resp: 127140

Ion Ratio Lower Upper

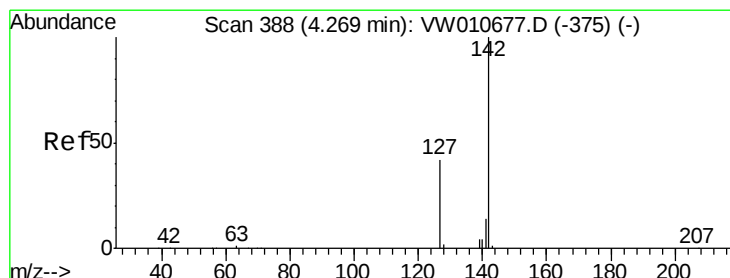
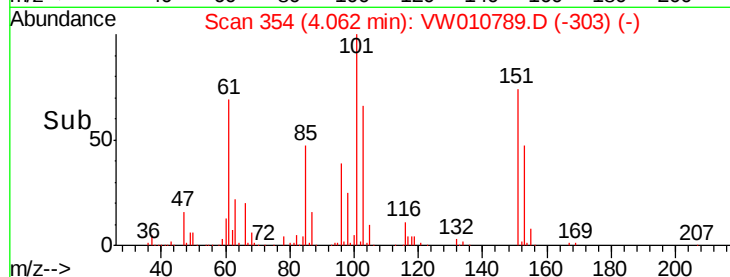
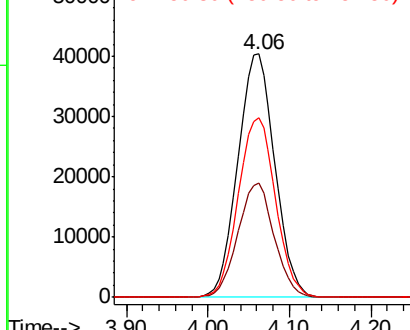
101 100

85 46.1 35.8 53.8

151 74.3 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: 42.777 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

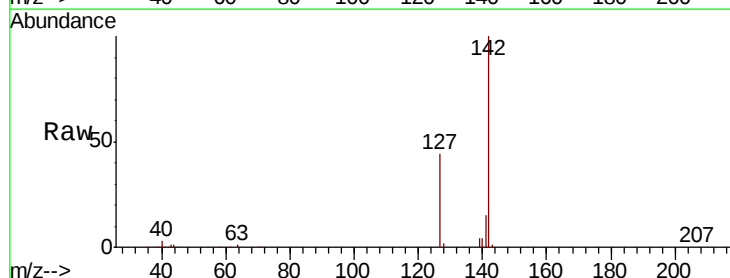
Tgt Ion:142 Resp: 113888

Ion Ratio Lower Upper

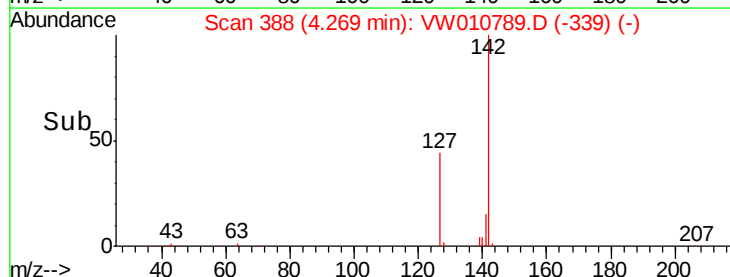
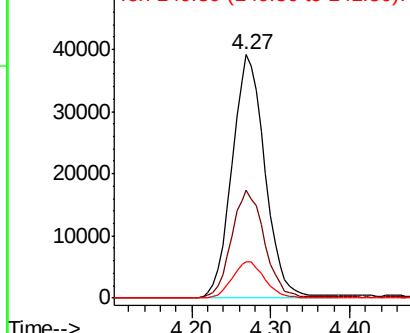
142 100

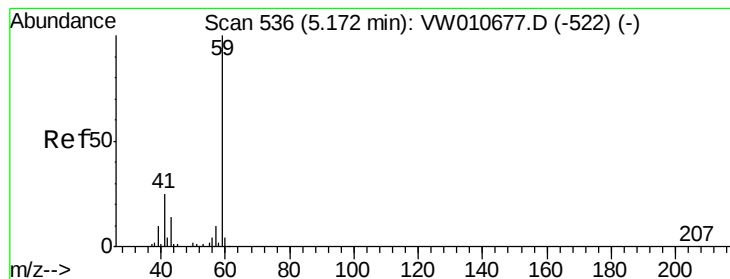
127 44.7 34.6 51.8

141 14.9 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



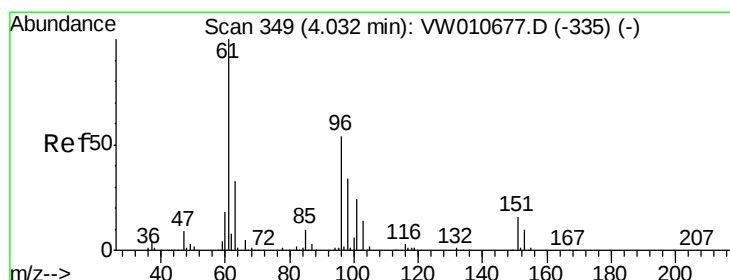
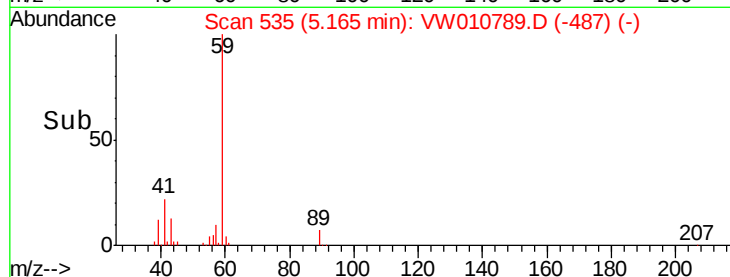
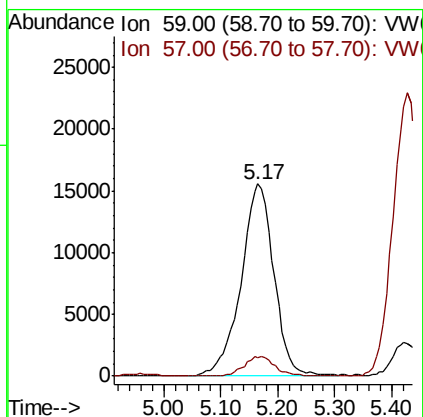
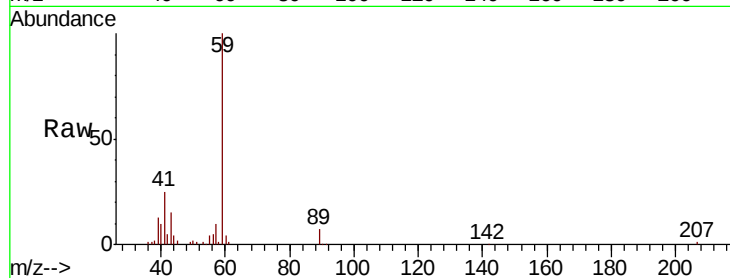


#11

Tert butyl alcohol
Concen: 247.907 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampled :

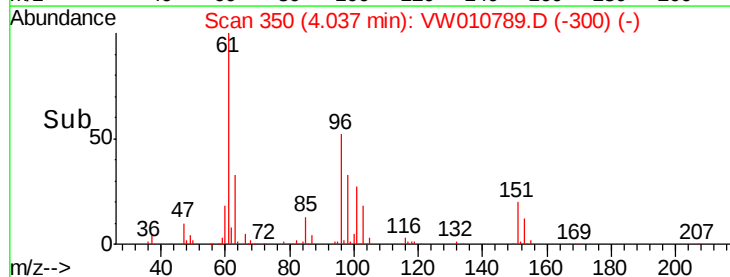
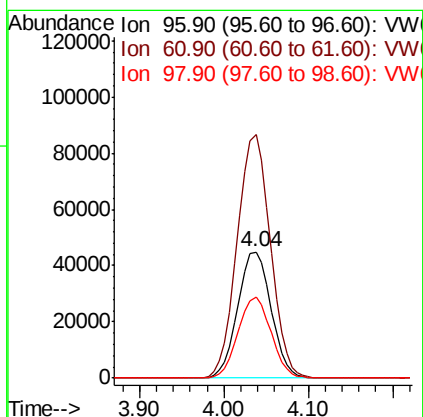
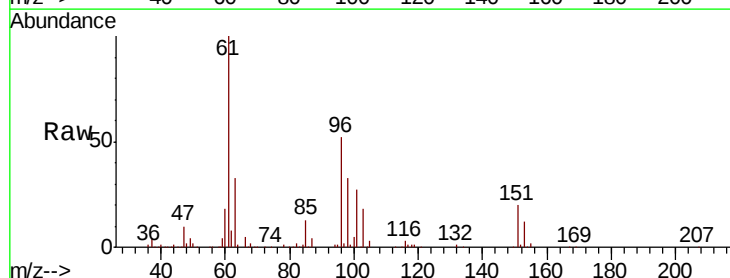
Tot Ion: 59 Resp: 62490
Ion Ratio Lower Upper
59 100
57 9.7 8.6 12.8

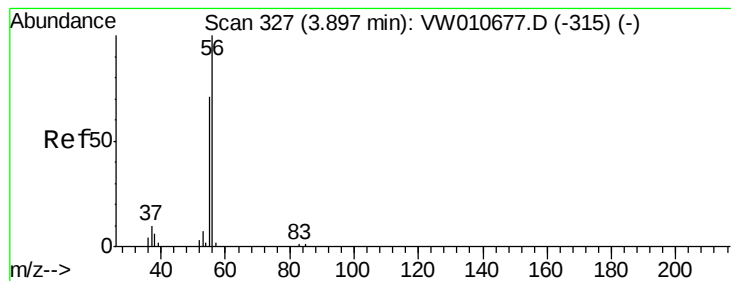


#12

1,1-Dichloroethene
Concen: 47.484 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 96 Resp: 120545
Ion Ratio Lower Upper
96 100
61 193.4 149.1 223.7
98 64.2 51.1 76.7





#13

Acrolein

Concen: 193.701 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

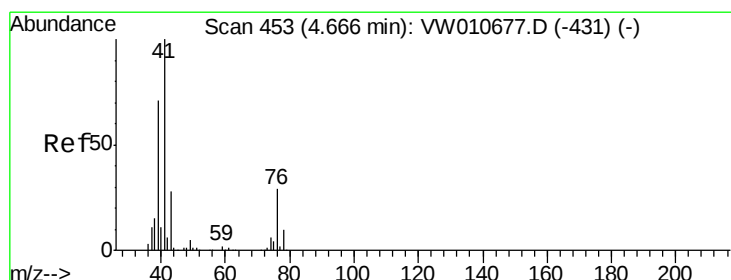
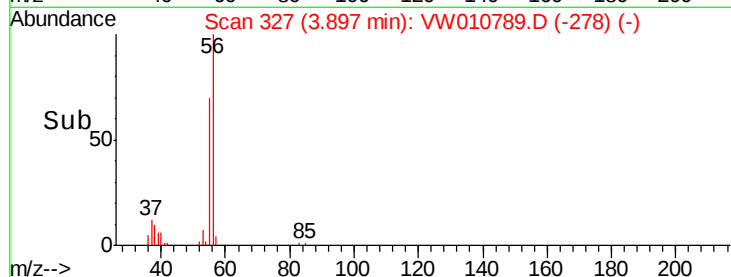
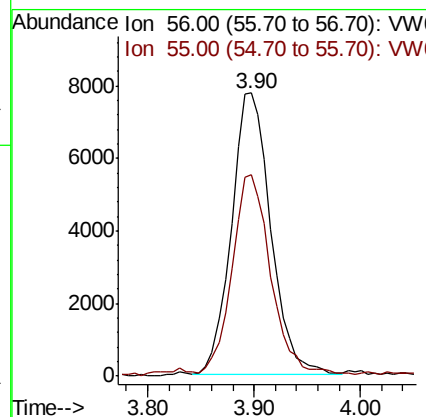
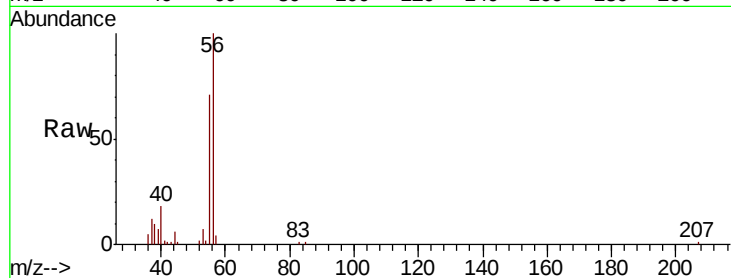
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 19952

Ion Ratio Lower Upper

56 100

55 70.0 57.6 86.4



#14

Allyl chloride

Concen: 49.934 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

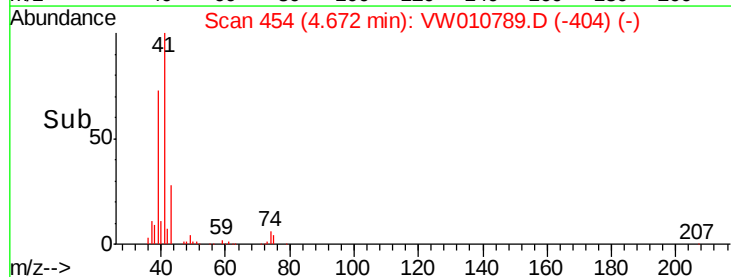
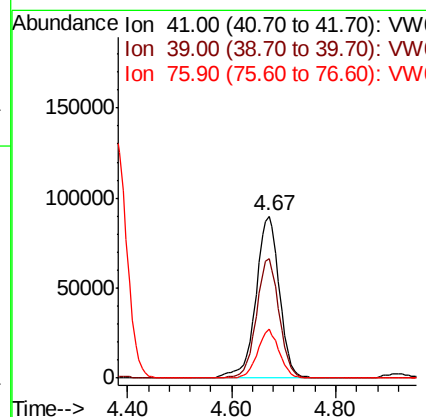
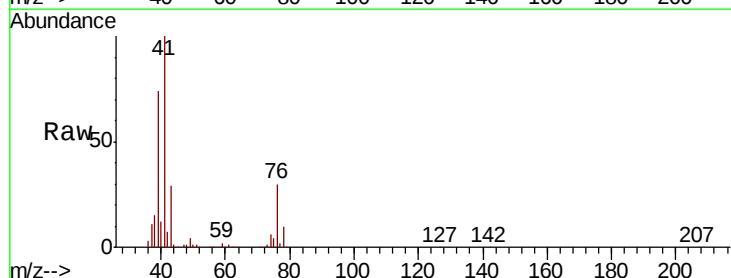
Tgt Ion: 41 Resp: 279510

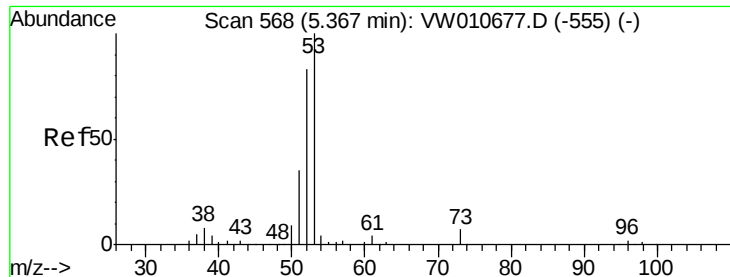
Ion Ratio Lower Upper

41 100

39 71.3 55.8 83.6

76 27.6 22.7 34.1





#15

Acrylonitrile

Concen: 219.770 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

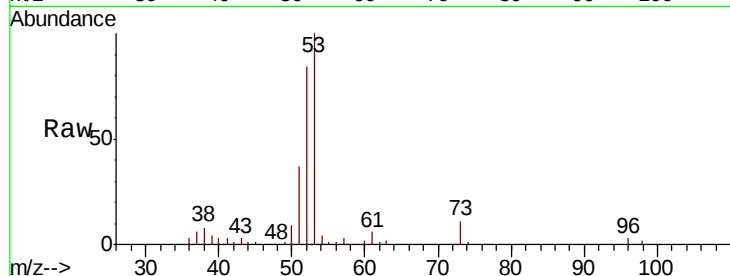
Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

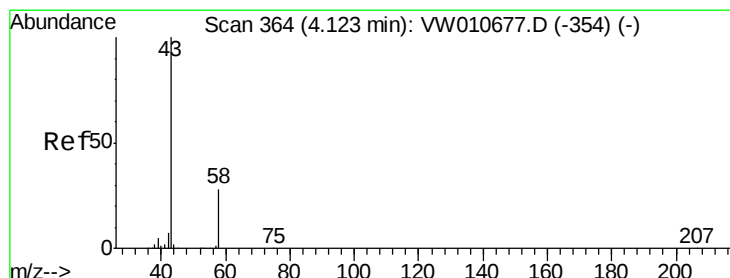
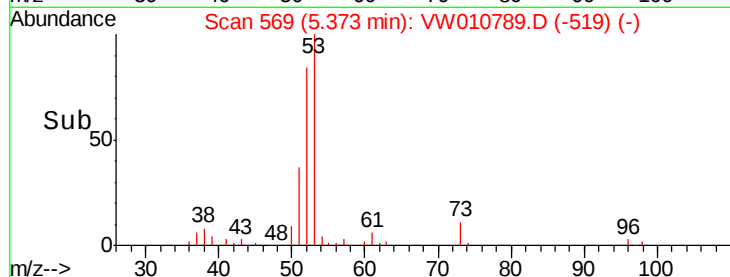
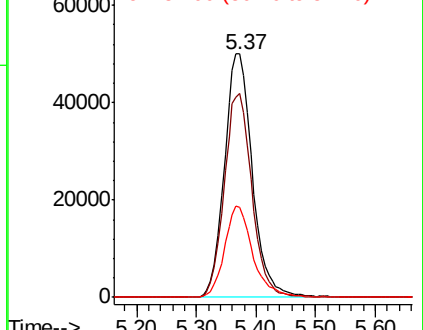
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 163323

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	100.0
51	37.8	29.8	44.8



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



#16

Acetone

Concen: 276.222 ug/l

RT: 4.12 min Scan# 364

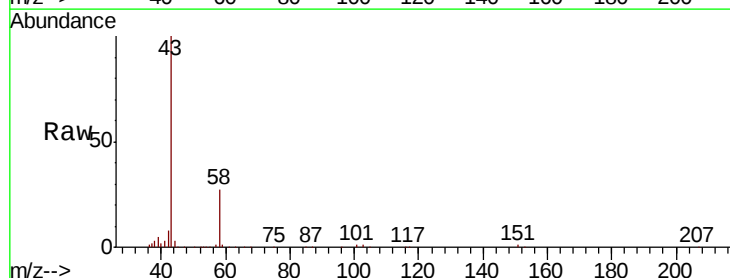
Delta R.T. -0.00 min

Lab File: VW010789.D

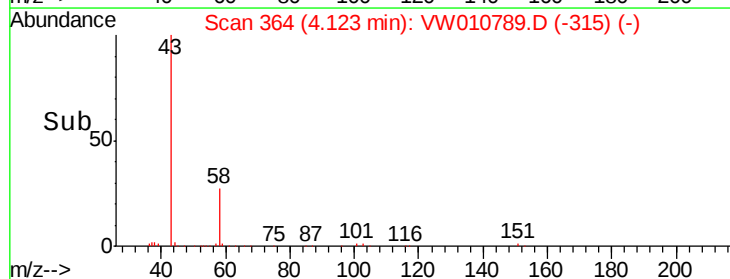
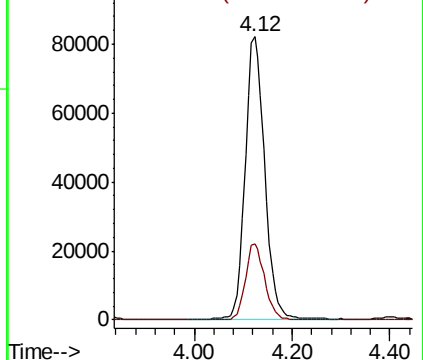
Acq: 13 Jun 2019 11:03

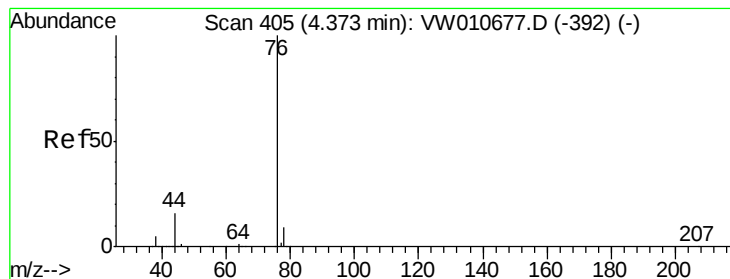
Tgt Ion: 43 Resp: 229005

Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.1	33.1



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





#17

Carbon Disulfide

Concen: 46.668 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

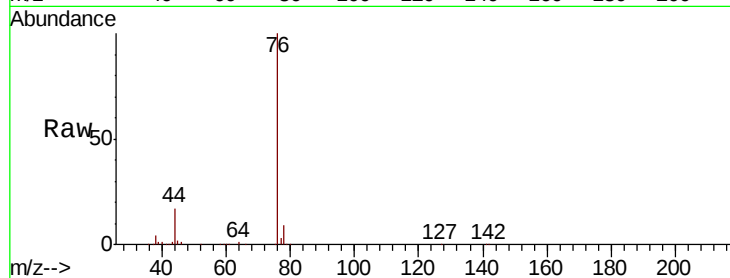
ClientSampled :

Tot Ion: 76 Resp: 376086

Ion Ratio Lower Upper

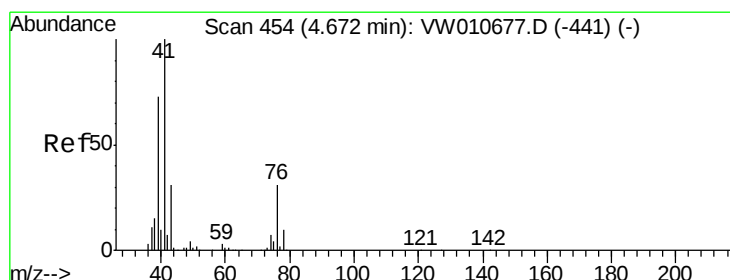
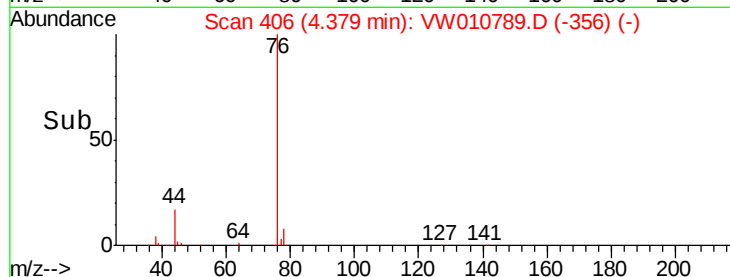
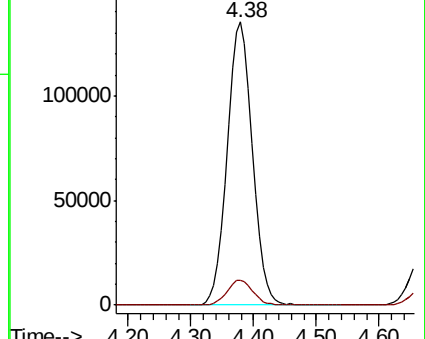
76 100

78 9.0 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: 43.752 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW010789.D

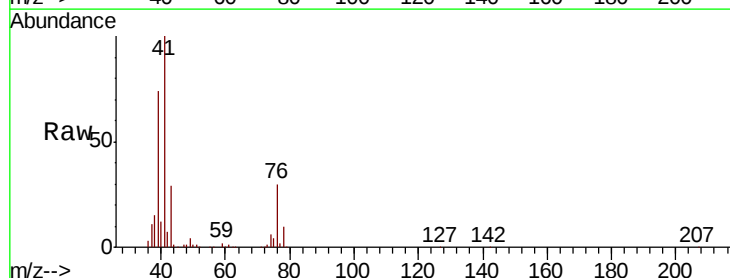
Acq: 13 Jun 2019 11:03

Tgt Ion: 43 Resp: 78081

Ion Ratio Lower Upper

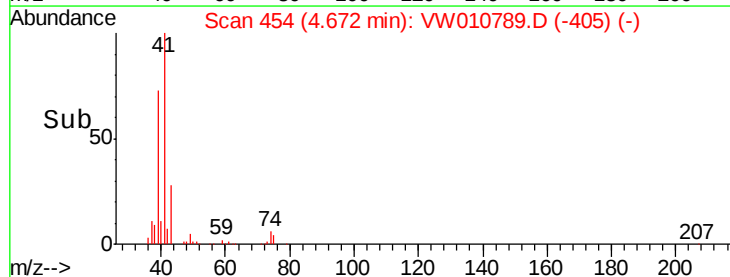
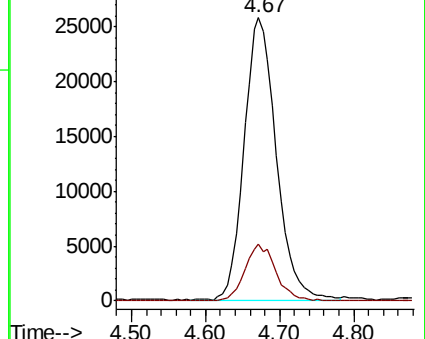
43 100

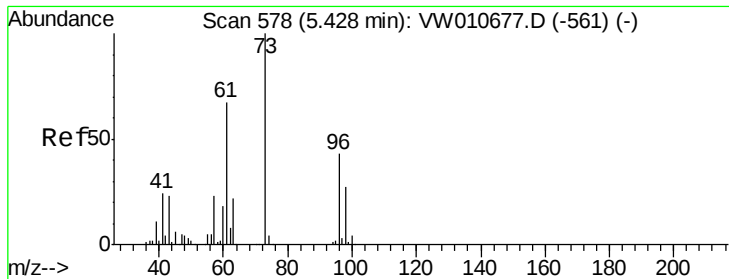
74 19.2 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

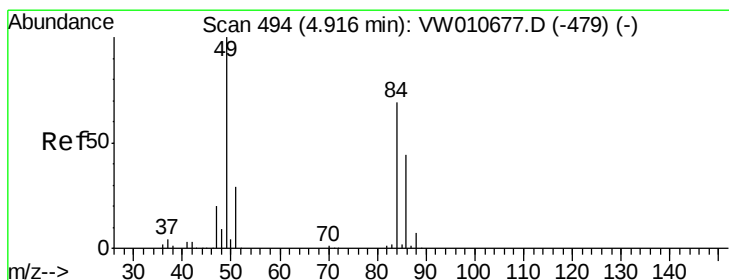
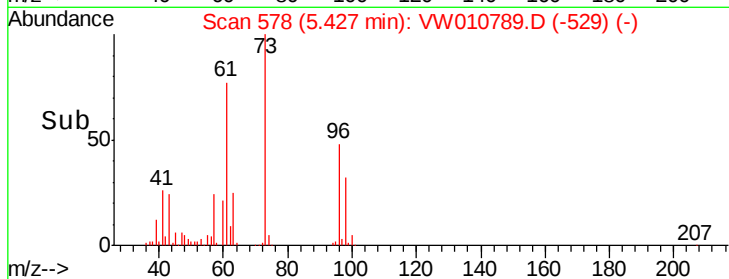
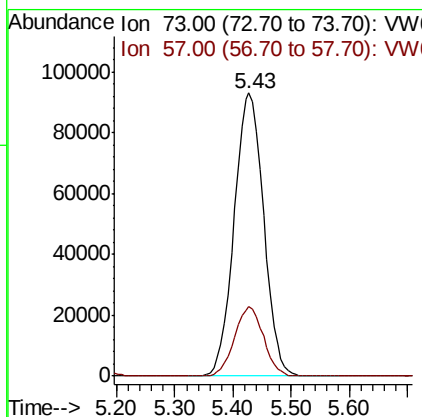
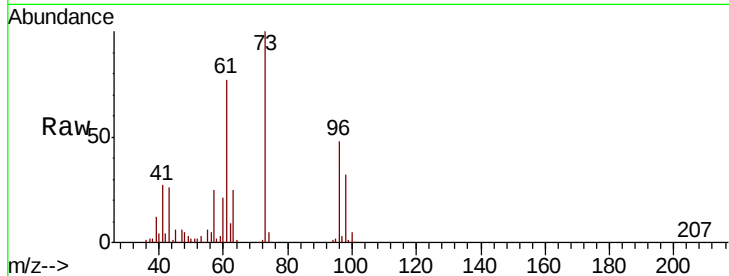




#19
Methyl tert-butyl Ether
Concen: 44.583 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

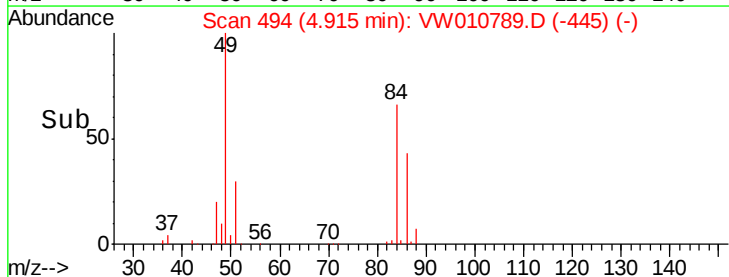
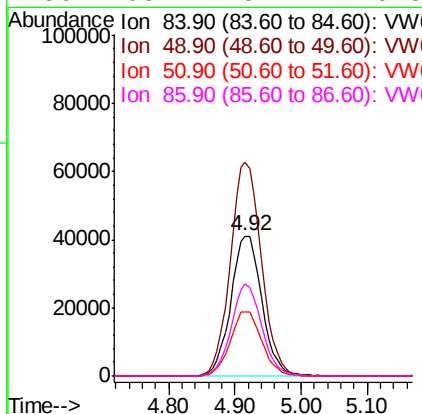
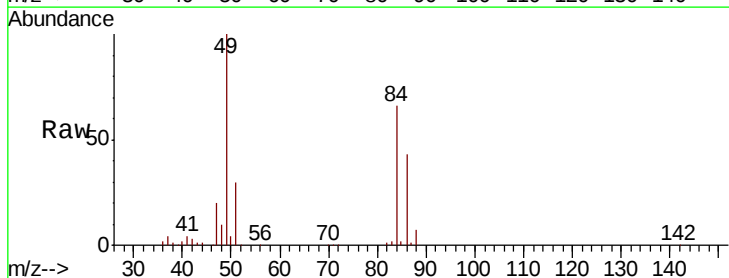
Instrument :
MSVOA_W
ClientSampled :

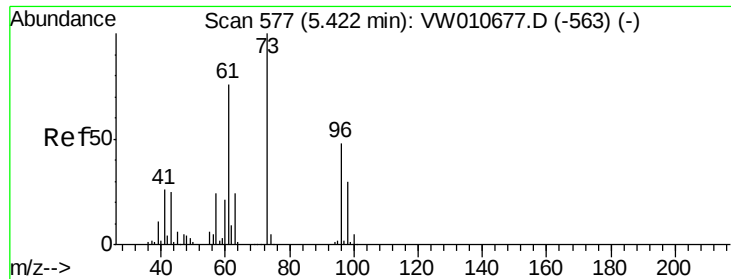
Tot Ion: 73 Resp: 326428
Ion Ratio Lower Upper
73 100
57 24.6 18.6 27.8



#20
Methylene Chloride
Concen: 45.845 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 84 Resp: 133336
Ion Ratio Lower Upper
84 100
49 152.6 116.7 175.1
51 46.1 34.2 51.2
86 65.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 47.380 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

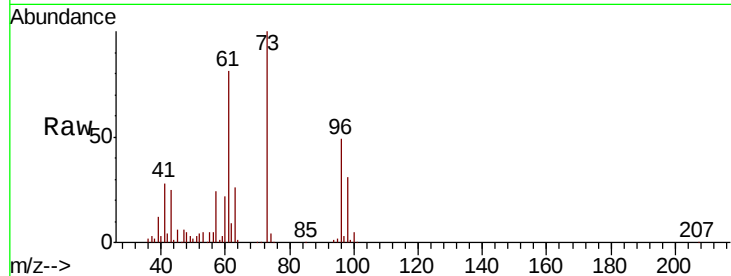
Tot Ion: 96 Resp: 136545

Ion Ratio Lower Upper

96 100

61 167.2 126.0 189.0

98 63.4 49.6 74.4

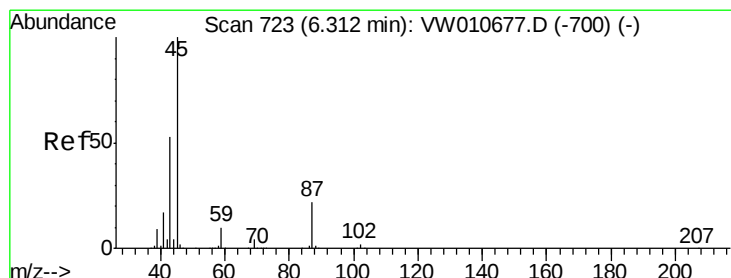
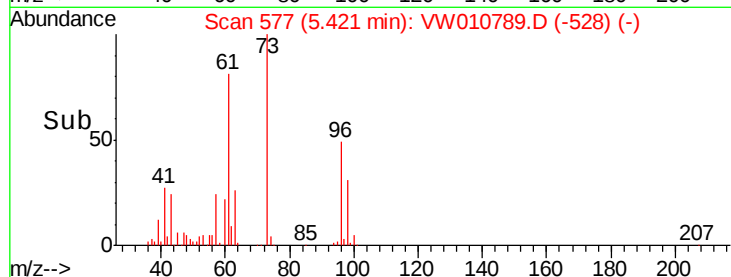
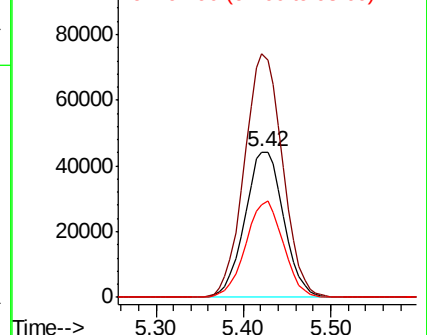


Abundance

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: 48.812 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Tgt Ion: 45 Resp: 547011

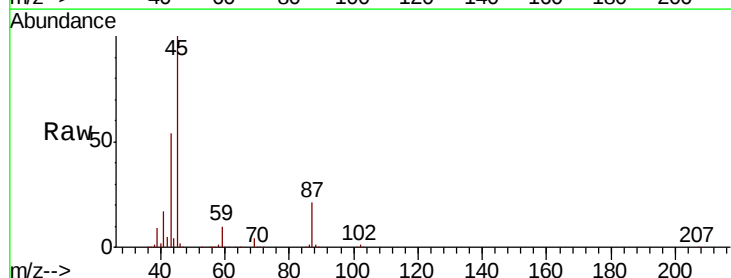
Ion Ratio Lower Upper

45 100

43 54.1 42.5 63.7

87 20.6 17.4 26.2

59 10.0 8.1 12.1



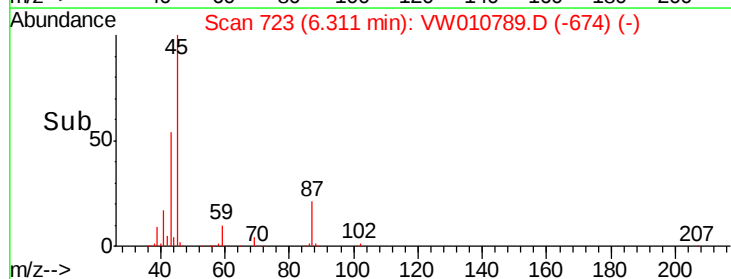
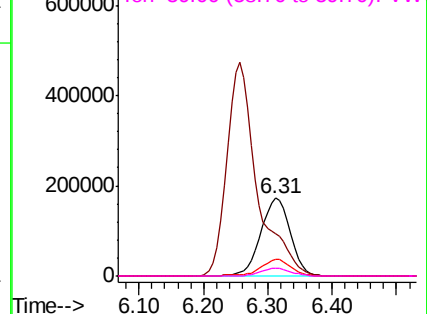
Abundance

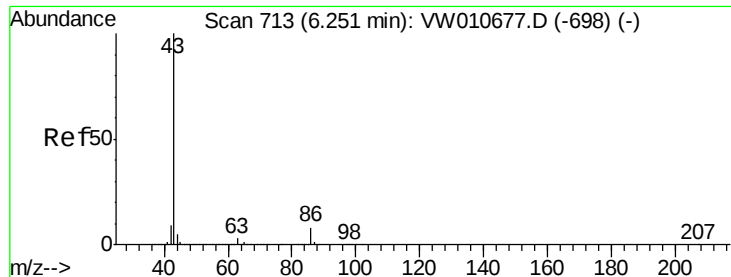
Ion 45.00 (44.70 to 45.70): VW

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: 231.740 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

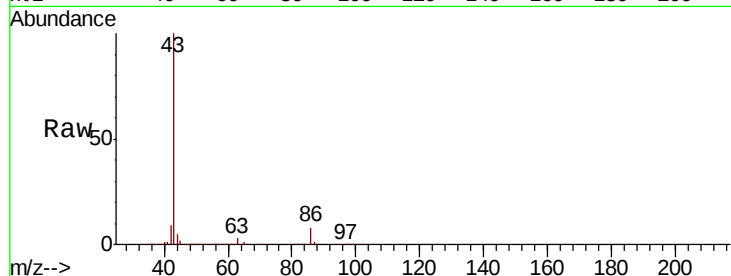
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1567264

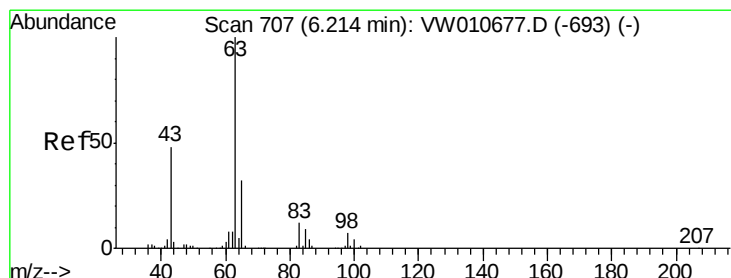
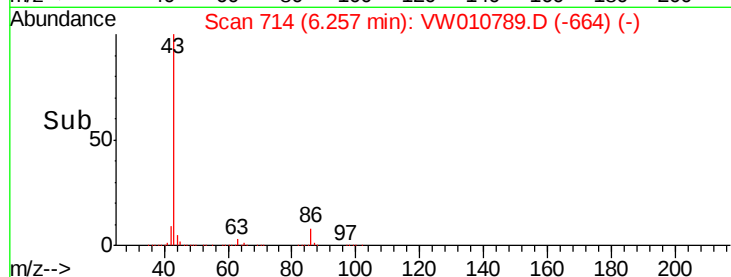
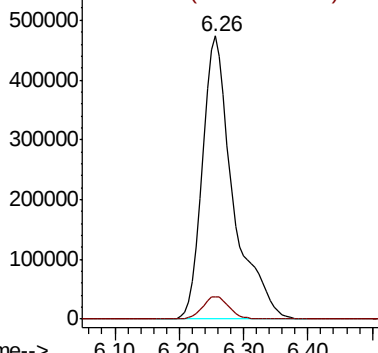
Ion Ratio Lower Upper

43 100

86 8.1 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: 49.447 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

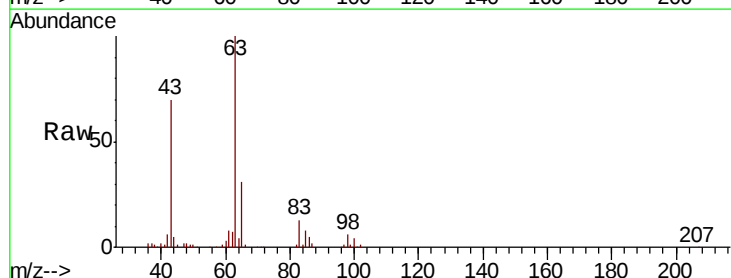
Tgt Ion: 63 Resp: 277695

Ion Ratio Lower Upper

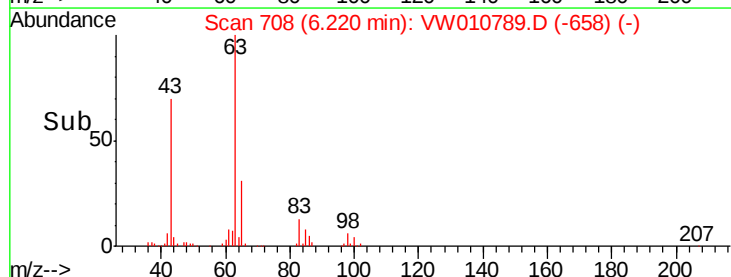
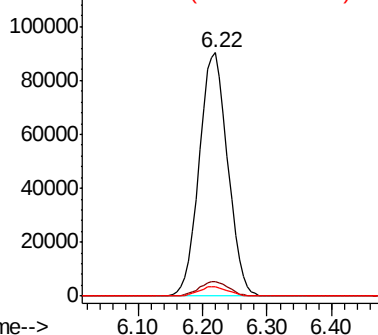
63 100

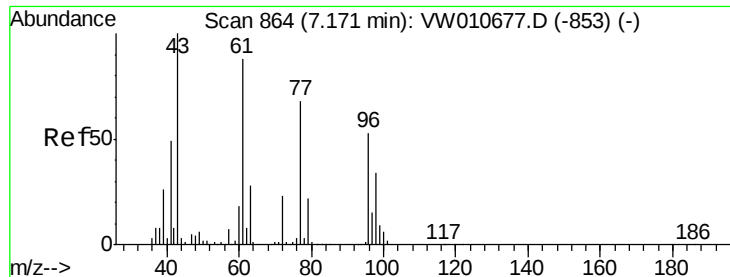
98 6.1 3.4 10.2

100 3.9 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

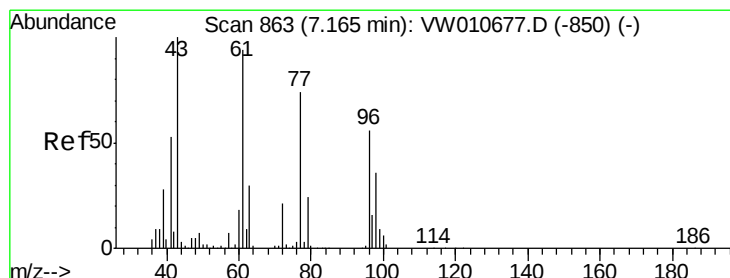
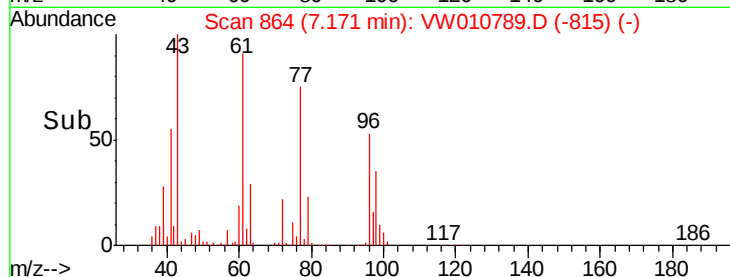
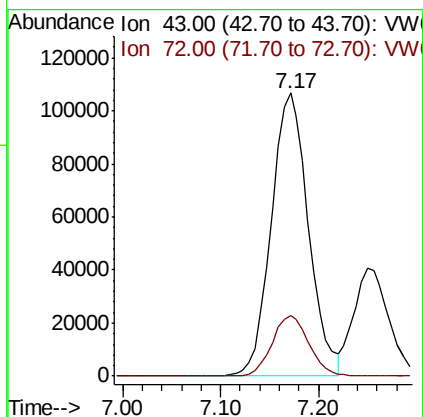
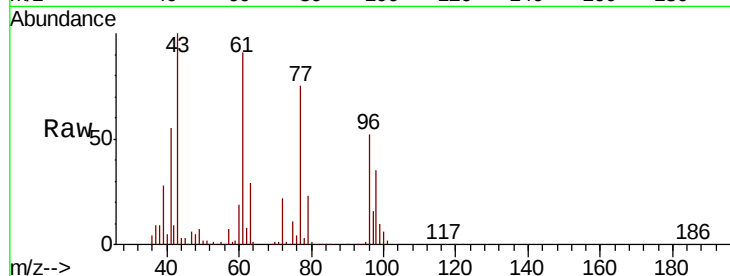




#25
2-Butanone
Concen: 245.543 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

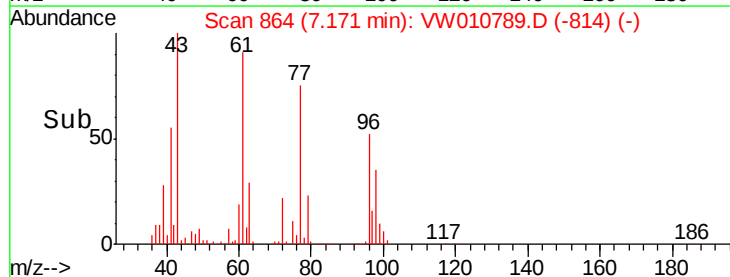
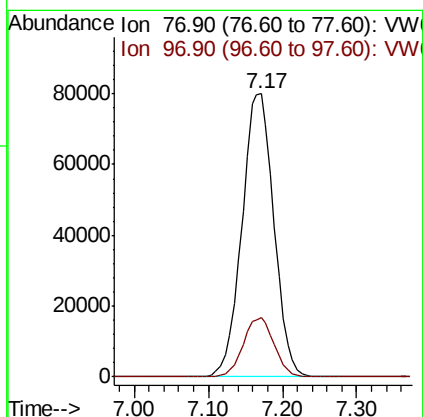
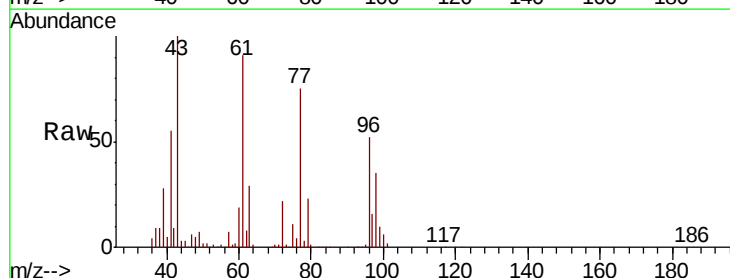
Instrument :
MSVOA_W
ClientSampled :

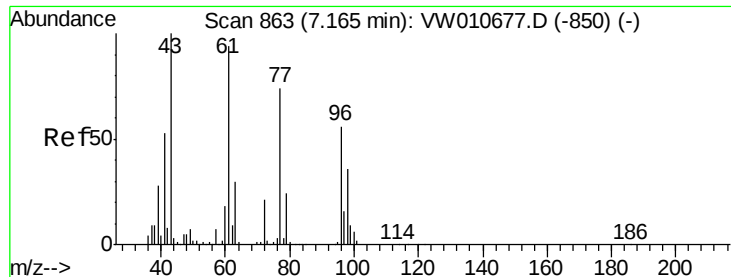
Tot Ion: 43 Resp: 282278
Ion Ratio Lower Upper
43 100
72 21.6 18.1 27.1



#26
2,2-Dichloropropane
Concen: 52.553 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 77 Resp: 240163
Ion Ratio Lower Upper
77 100
97 20.1 10.5 31.6



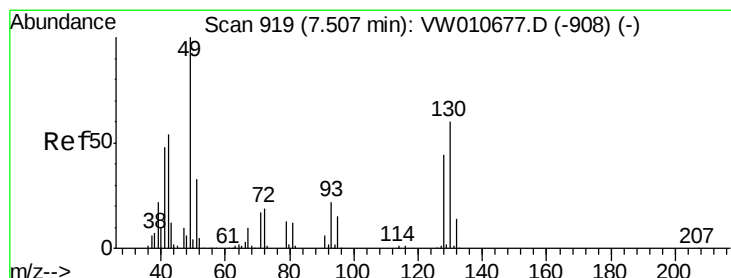
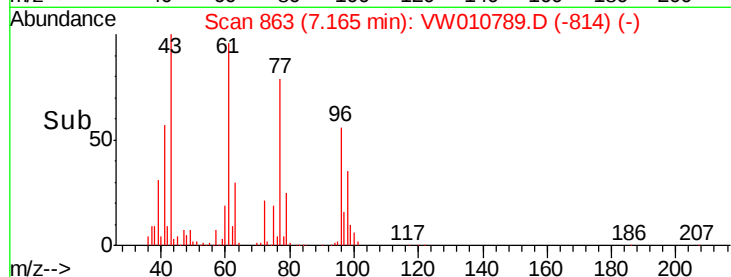
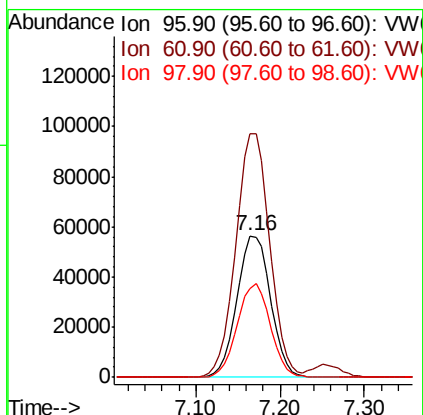
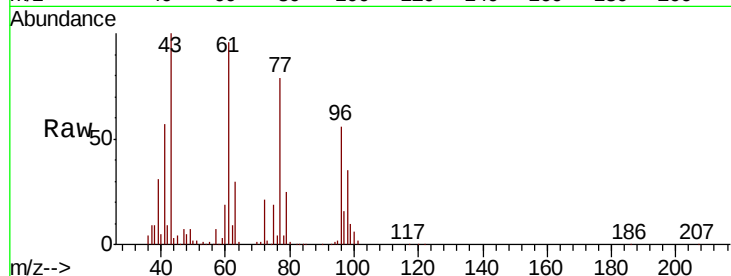


#27

cis-1,2-Dichloroethene
Concen: 47.846 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampled :

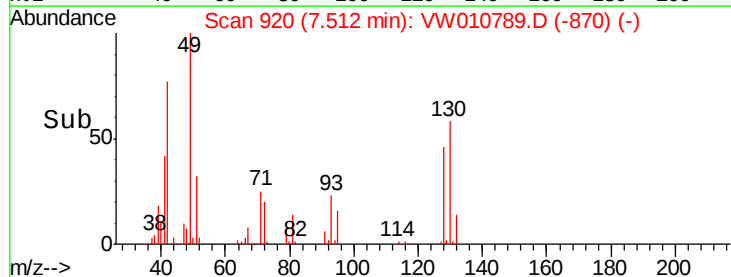
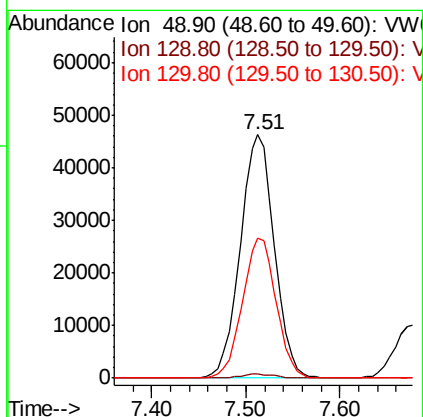
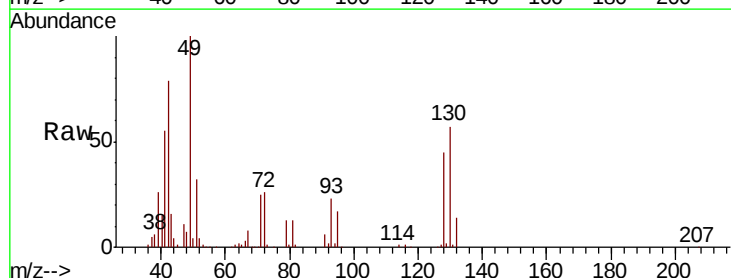
Tot Ion	96	Resp	151745
Ion Ratio	Lower	Upper	
96	100		
61	173.9	0.0	336.4
98	64.9	0.0	128.0

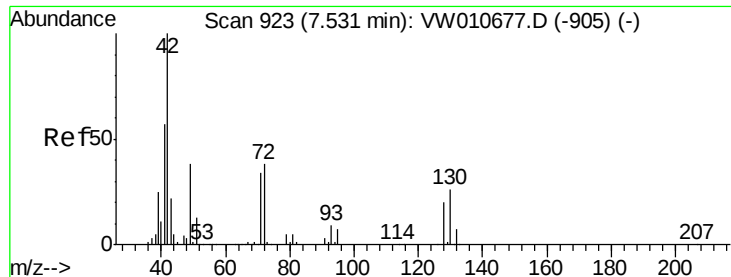


#28

Bromochloromethane
Concen: 46.731 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion	49	Resp	117121
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	56.8	48.3	72.5

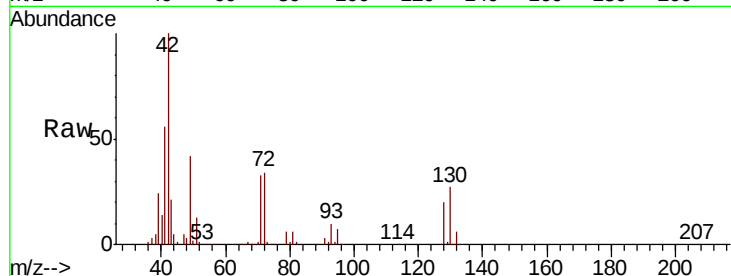




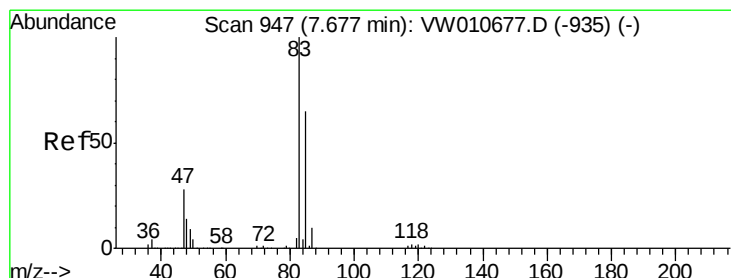
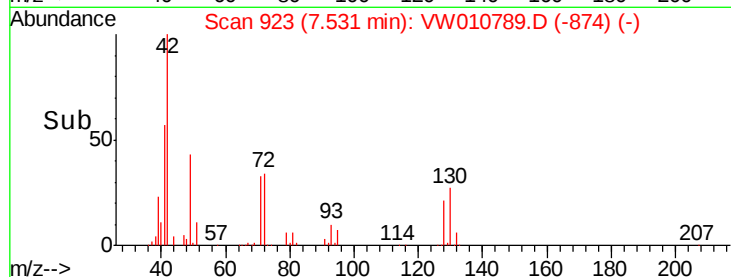
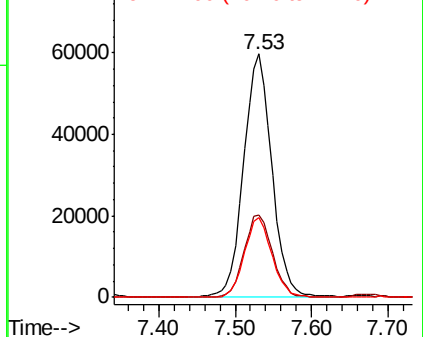
#29
Tetrahydrofuran
Concen: 211.423 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 152879
Ion Ratio Lower Upper
42 100
72 34.4 28.7 43.1
71 32.1 26.6 39.8

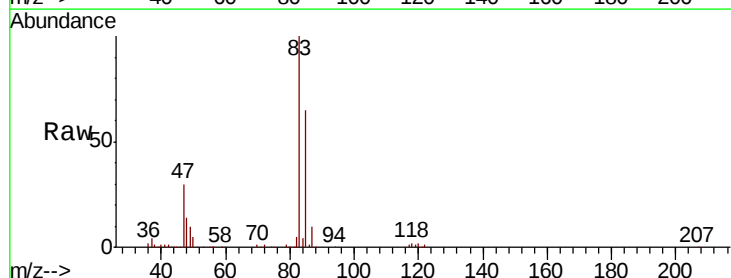


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

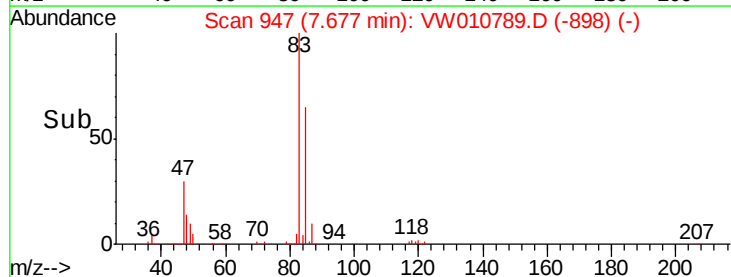
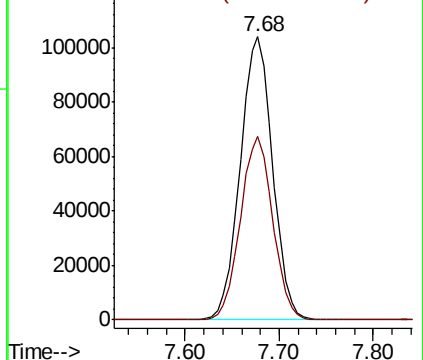


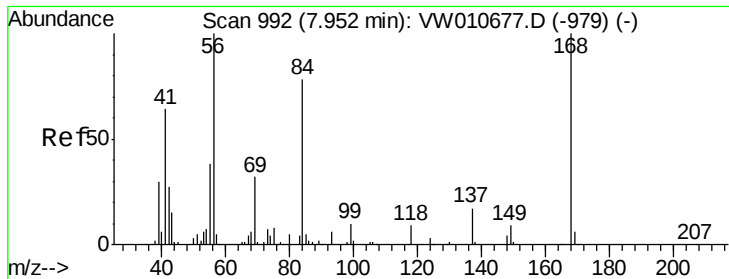
#30
Chloroform
Concen: 48.659 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 83 Resp: 249952
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8



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

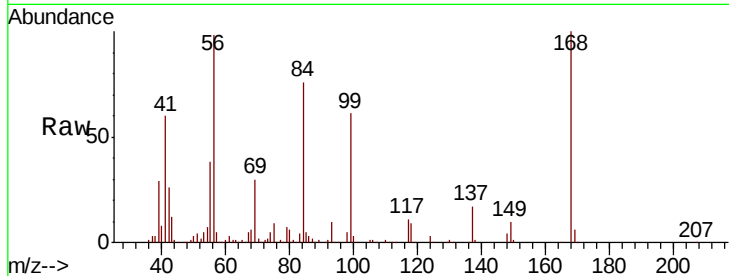




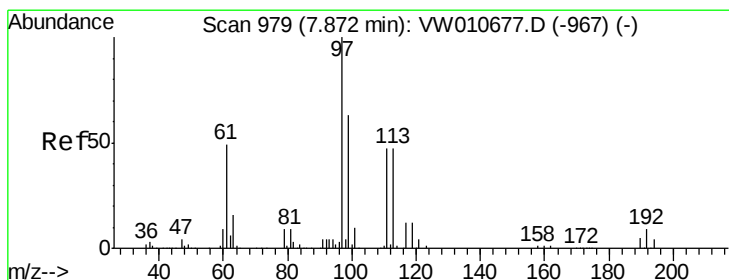
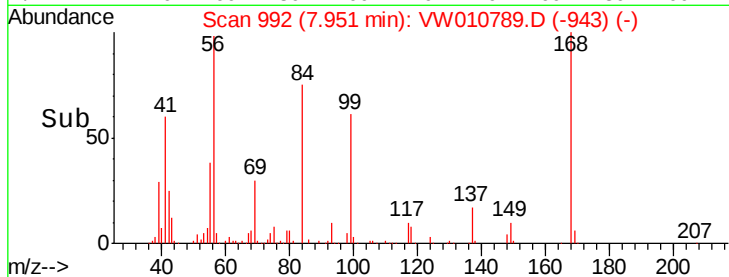
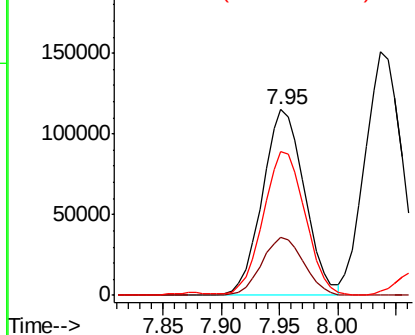
#31
Cyclohexane
Concen: 46.389 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 289600
Ion Ratio Lower Upper
56 100
69 31.0 25.2 37.8
84 76.1 62.2 93.2

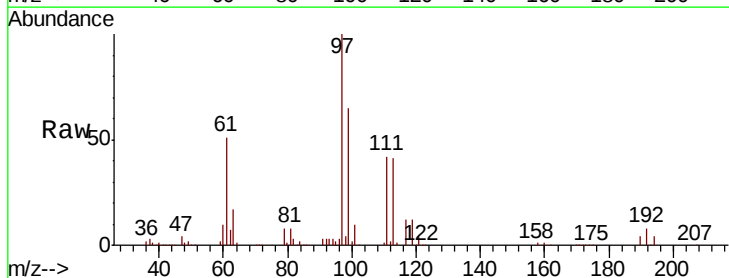


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

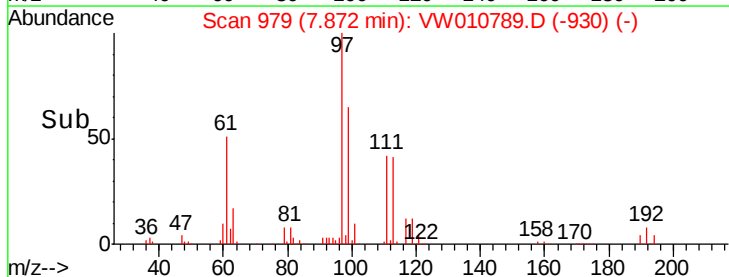
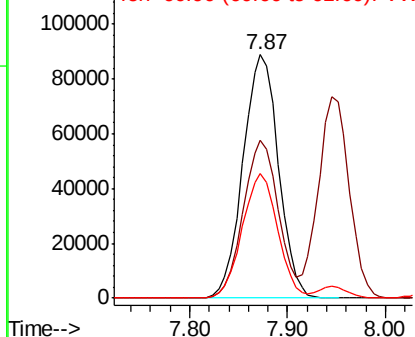


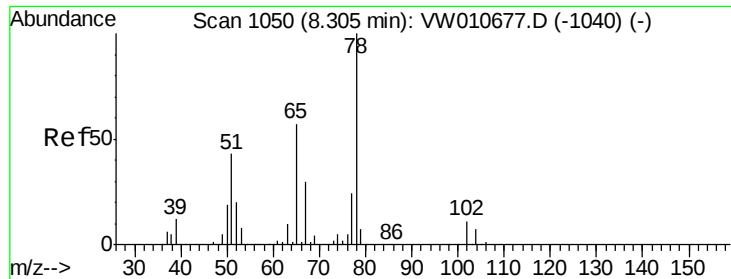
#32
1,1,1-Trichloroethane
Concen: 49.866 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 97 Resp: 223757
Ion Ratio Lower Upper
97 100
99 63.9 51.3 76.9
61 51.2 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

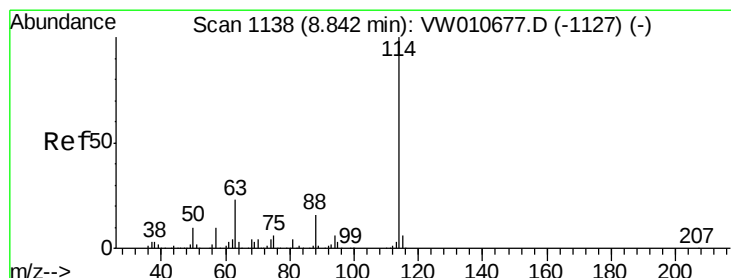
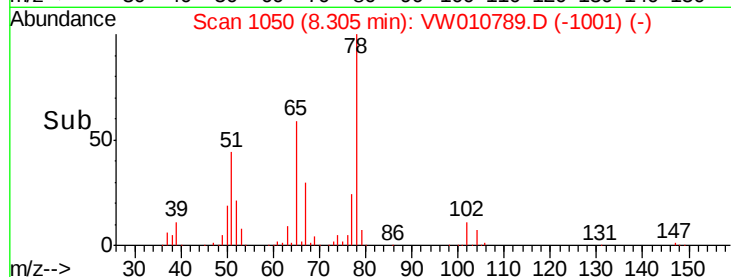
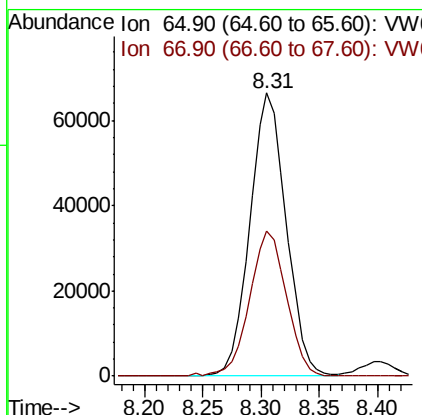
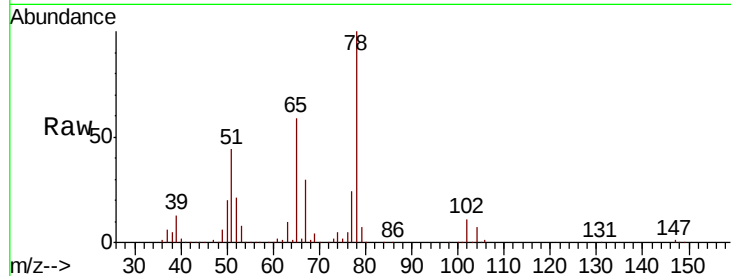




#33
 1,2-Dichloroethane-d4
 Concen: 46.405 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

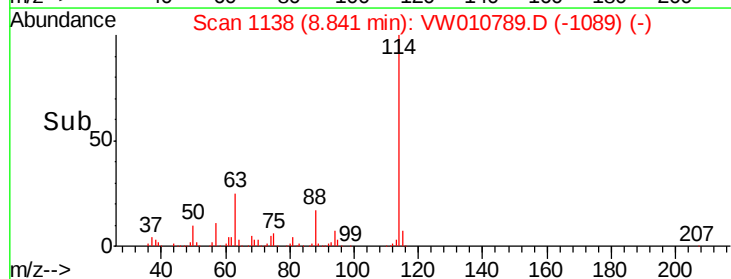
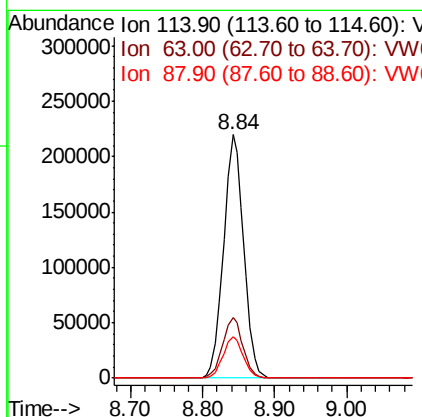
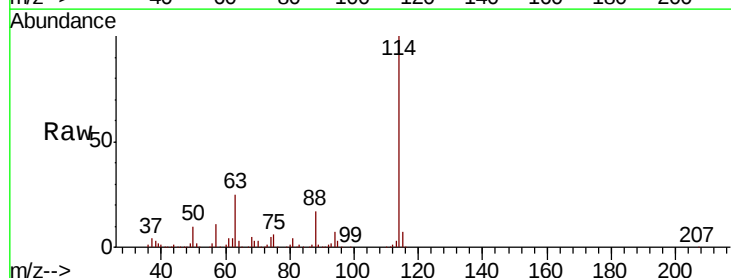
Instrument :
 MSVOA_W
 ClientSampleId :

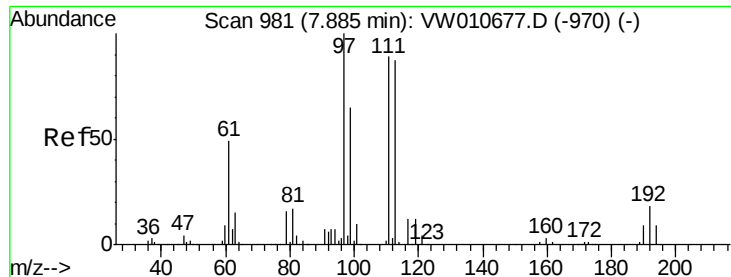
Tot Ion: 65 Resp: 143582
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion: 114 Resp: 426798
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 46.4
 88 17.1 0.0 32.2

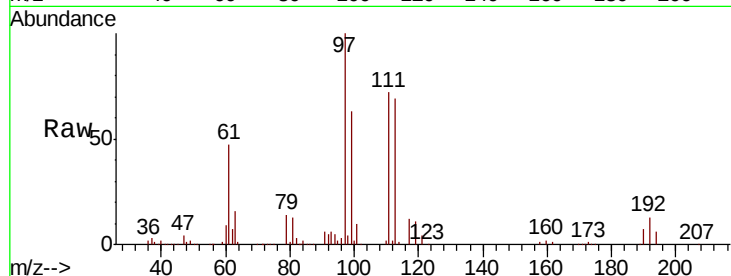




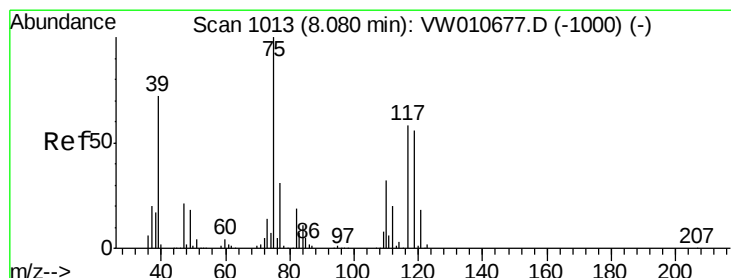
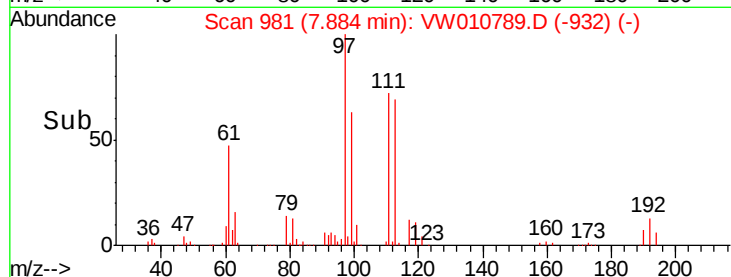
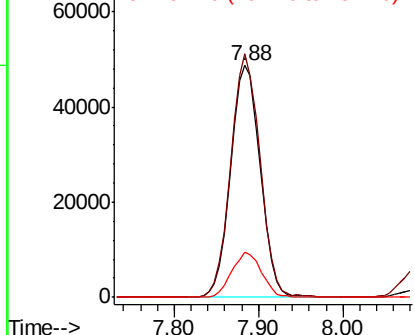
#35
 Dibromofluoromethane
 Concen: 49.956 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 115726
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.6 123.8
 192 19.4 16.4 24.6

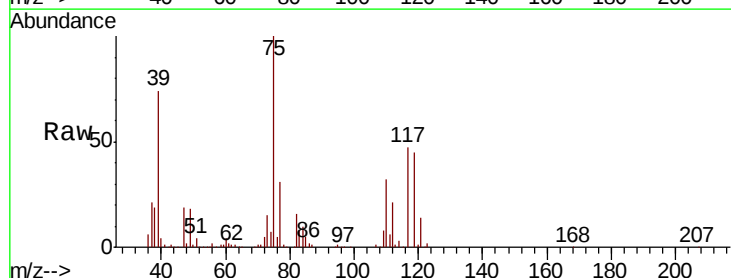


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

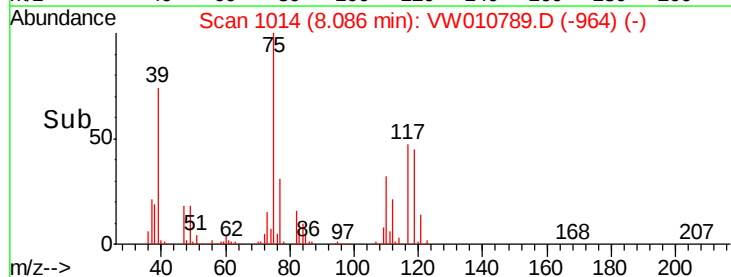
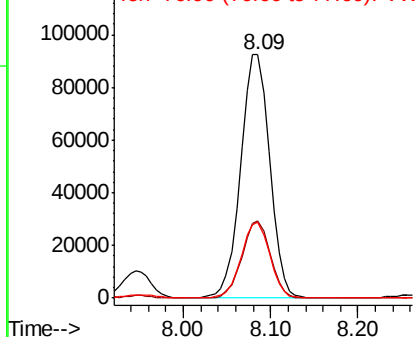


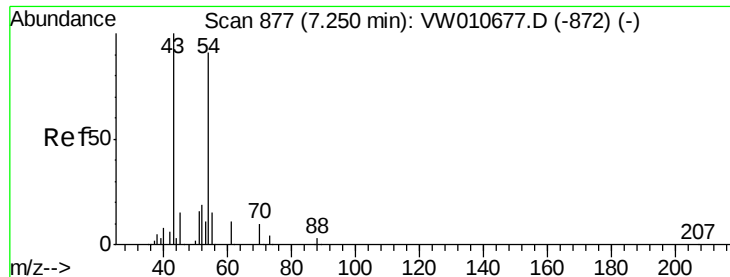
#36
 1,1-Dichloropropene
 Concen: 48.753 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion: 75 Resp: 212992
 Ion Ratio Lower Upper
 75 100
 110 31.1 15.8 47.3
 77 31.1 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

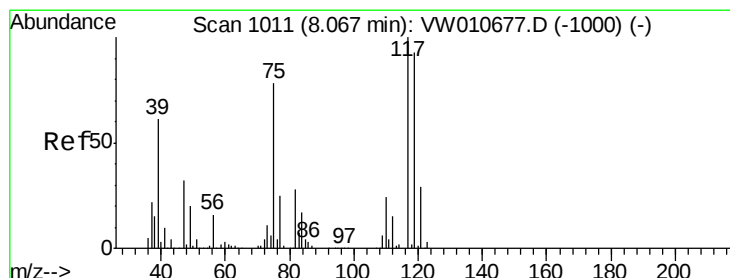
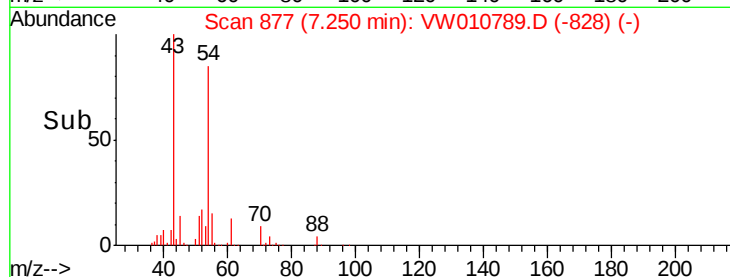
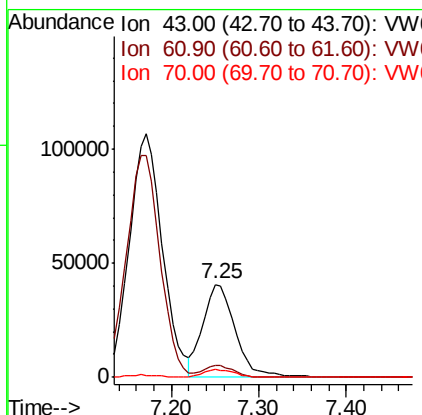
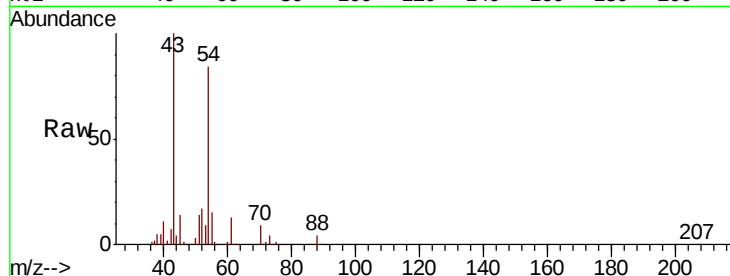




#37
Ethyl Acetate
Concen: 42.688 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

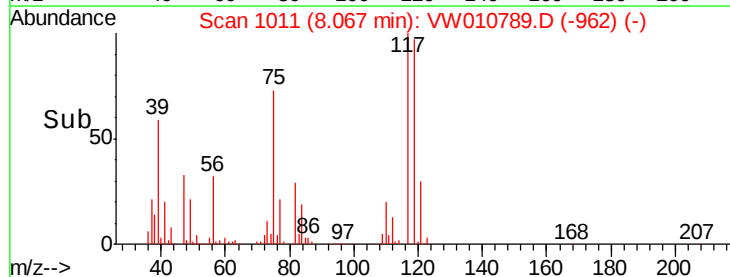
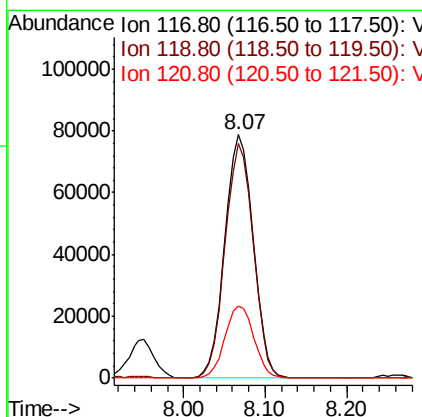
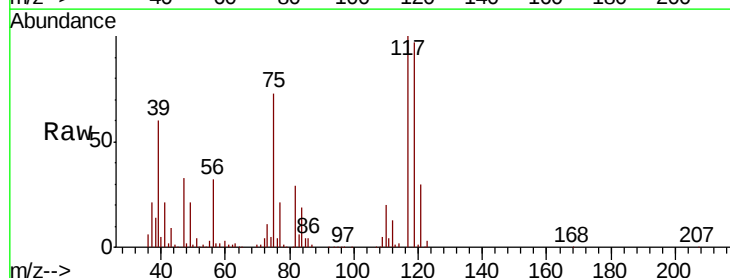
Instrument :
MSVOA_W
ClientSampled :

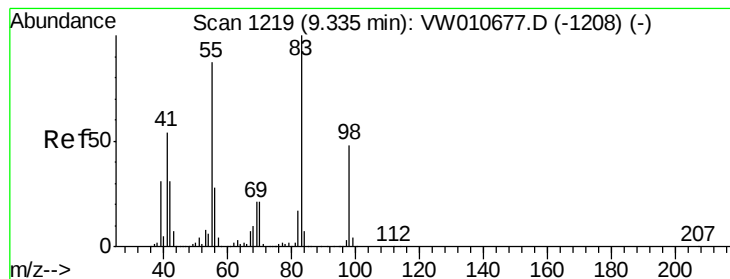
Tot Ion: 43 Resp: 103344
Ion Ratio Lower Upper
43 100
61 11.7 9.7 14.5
70 8.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 50.314 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 117 Resp: 189750
Ion Ratio Lower Upper
117 100
119 96.6 74.2 111.4
121 29.7 22.9 34.3





#39

Methvlcvclohexane

Concen: 47.929 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampled :

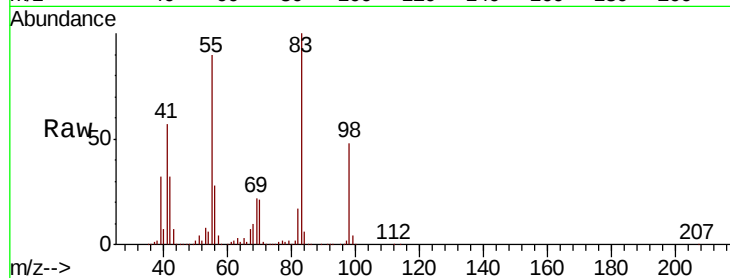
Tot Ion: 83 Resp: 266180

Ion Ratio Lower Upper

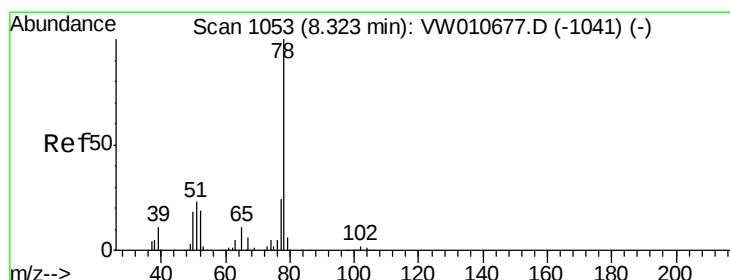
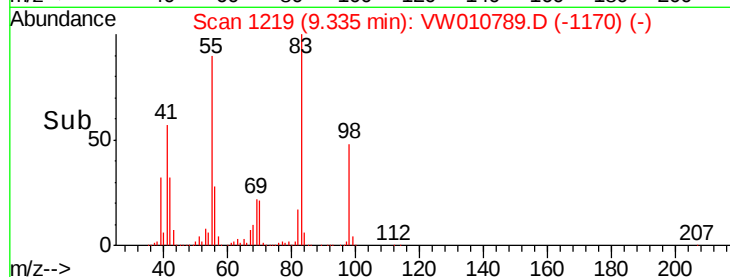
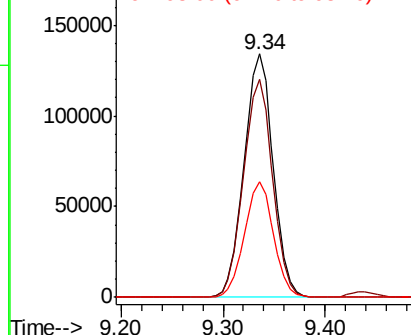
83 100

55 89.8 70.0 105.0

98 47.6 38.1 57.1



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



#40

Benzene

Concen: 48.182 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW010789.D

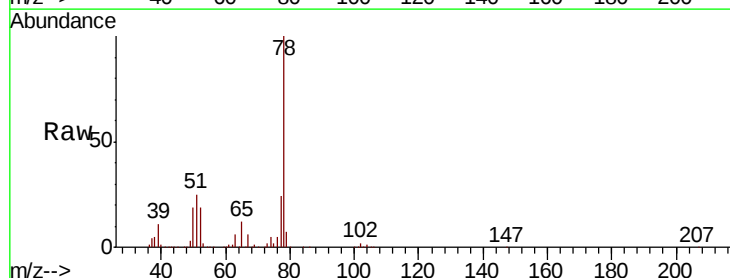
Acq: 13 Jun 2019 11:03

Tgt Ion: 78 Resp: 574244

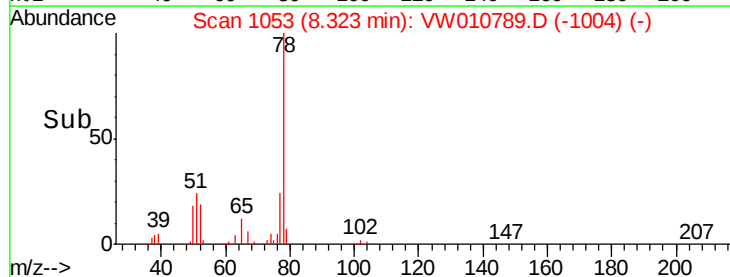
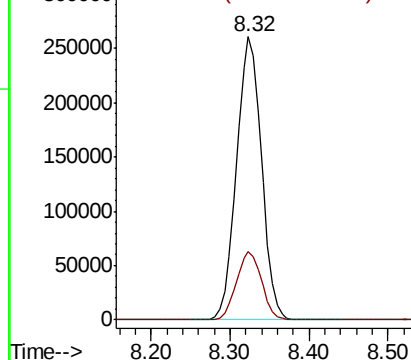
Ion Ratio Lower Upper

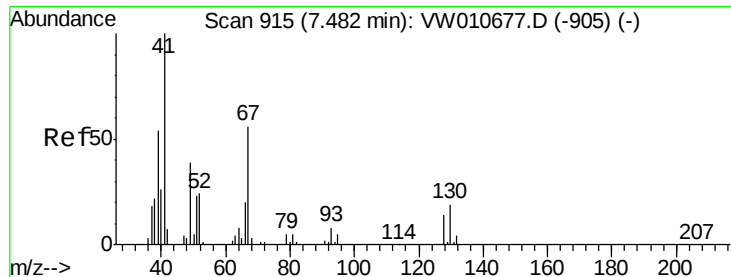
78 100

77 24.0 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

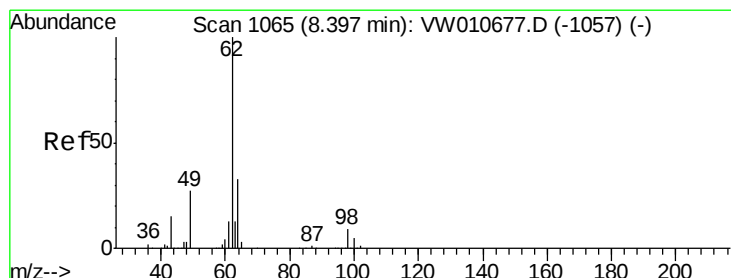
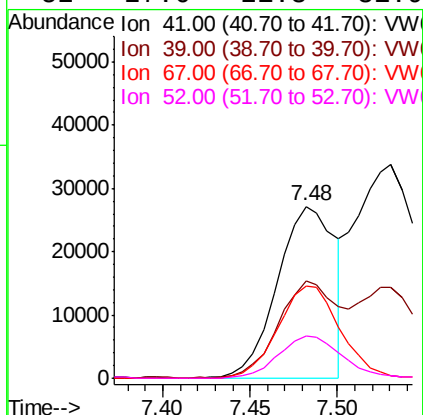
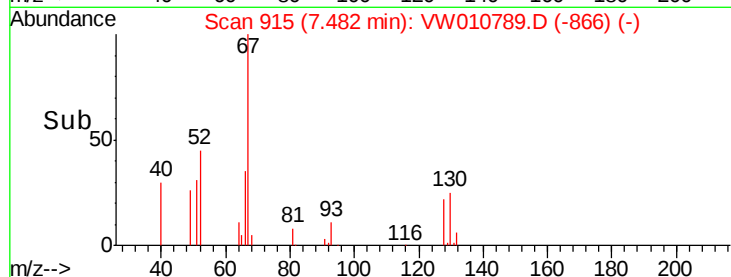
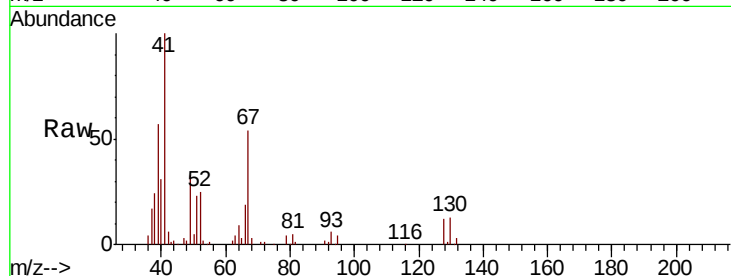




#41
Methacrylonitrile
Concen: 43.096 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

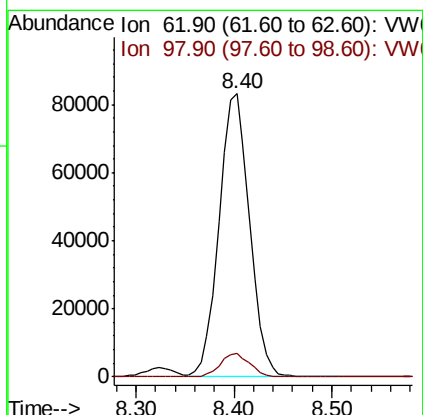
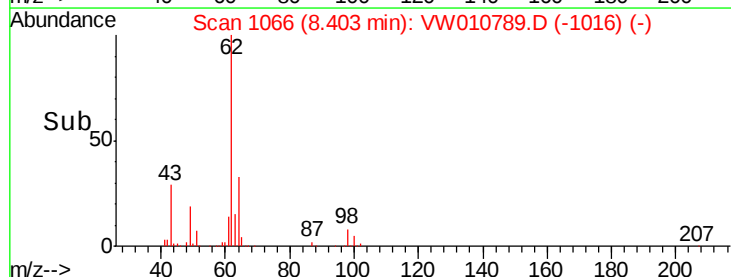
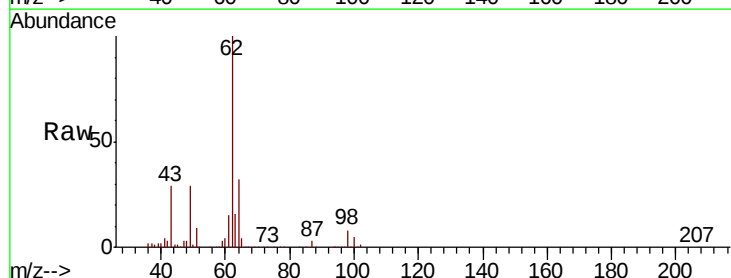
Instrument :
MSVOA_W
ClientSampled :

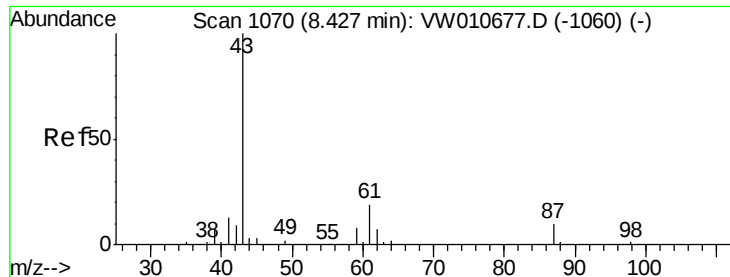
Tot Ion:	41	Resp:	62015
Ion	Ratio	Lower	Upper
41	100		
39	61.0	47.3	70.9
67	58.6	47.2	70.8
52	27.6	21.3	31.9



#42
1,2-Dichloroethane
Concen: 47.391 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion:	62	Resp:	179261
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 43.754 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

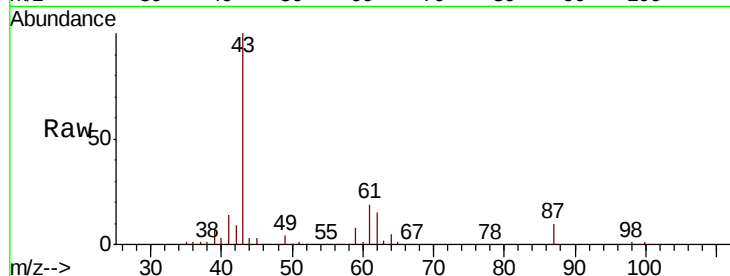
Tot Ion: 43 Resp: 204642

Ion Ratio Lower Upper

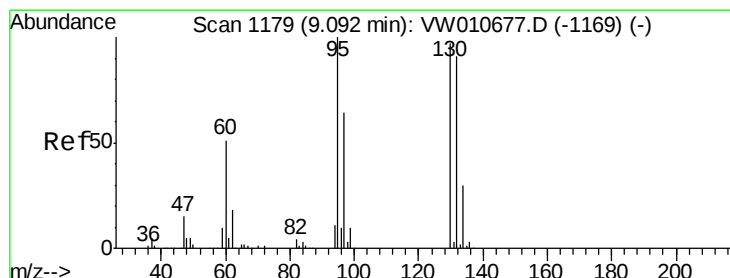
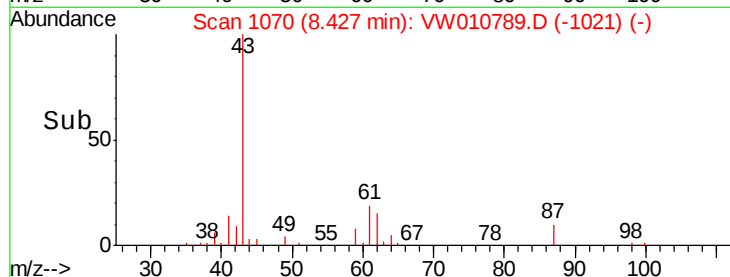
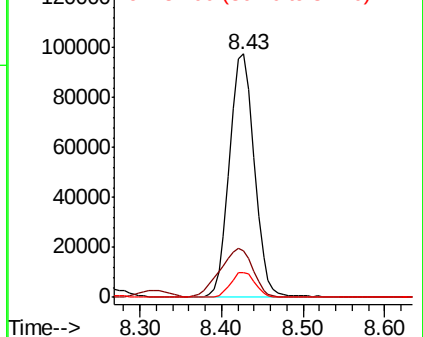
43 100

61 26.8 21.2 31.8

87 10.3 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: 47.797 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010789.D

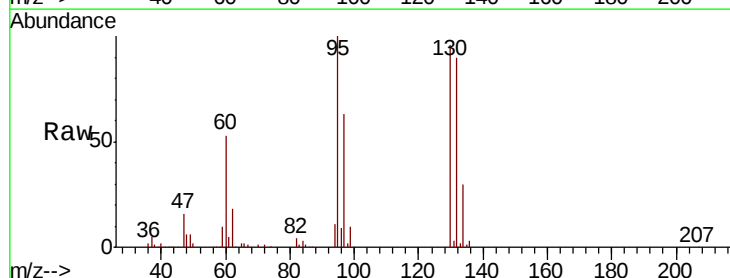
Acq: 13 Jun 2019 11:03

Tgt Ion:130 Resp: 140520

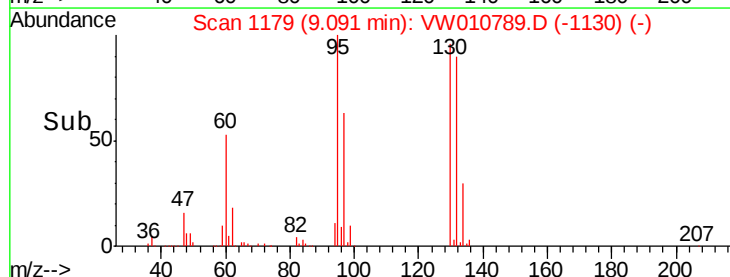
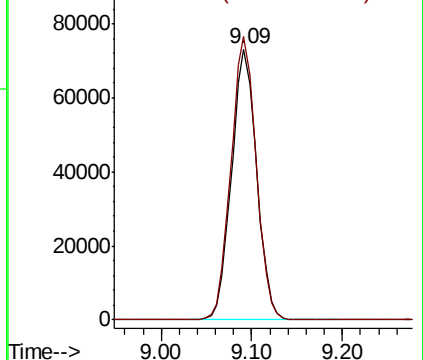
Ion Ratio Lower Upper

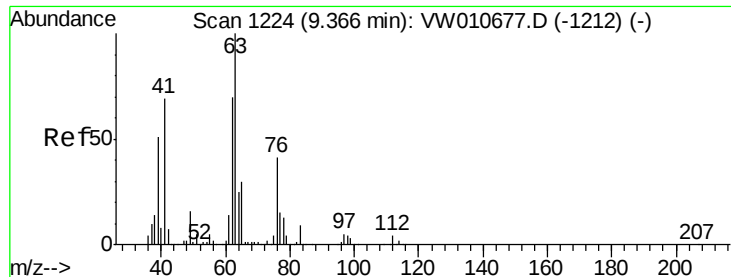
130 100

95 104.6 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: 49.013 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

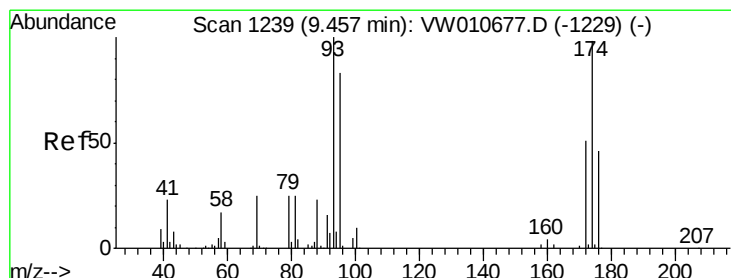
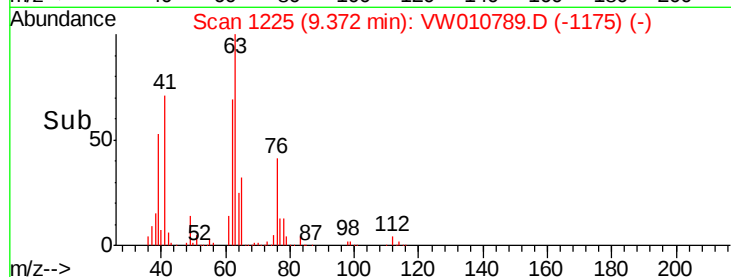
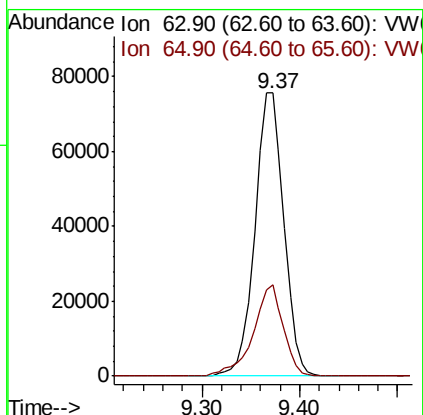
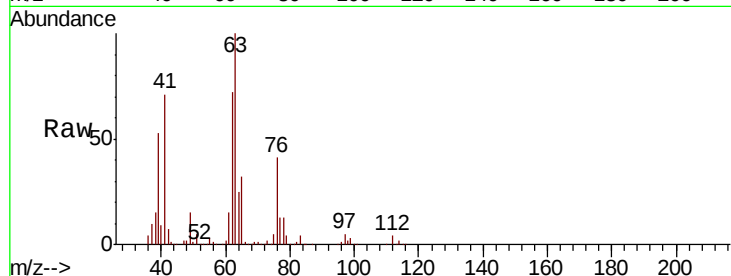
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 154632

Ion Ratio Lower Upper

63 100

65 32.2 23.8 35.6



#46

Dibromomethane

Concen: 45.749 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

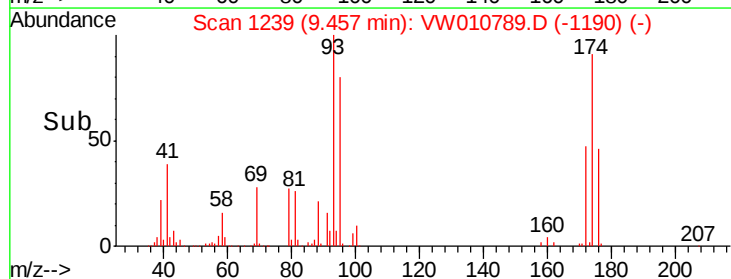
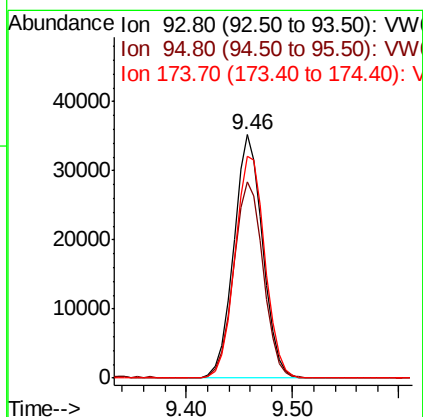
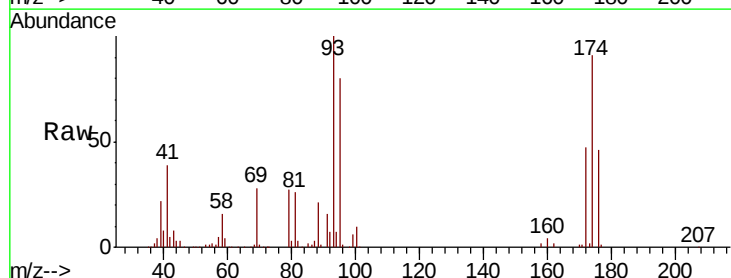
Tgt Ion: 93 Resp: 67039

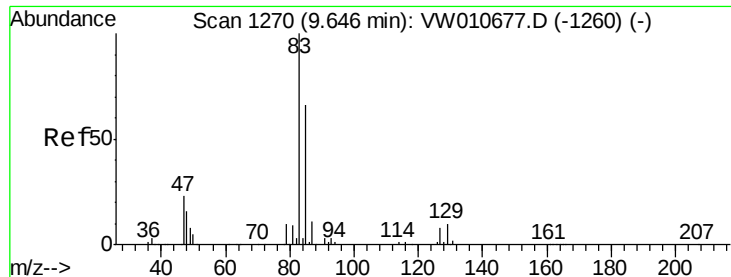
Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.8

174 95.0 77.4 116.0





#47

Bromodichloromethane

Concen: 49.109 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :

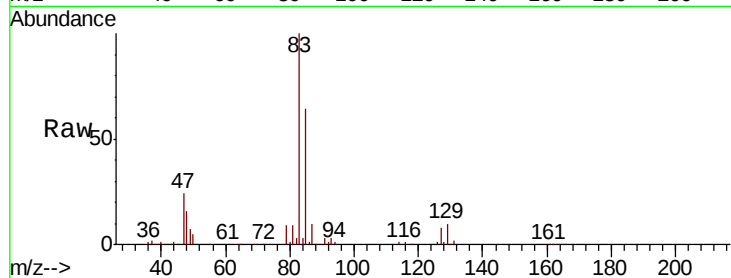
Tot Ion: 83 Resp: 186542

Ion Ratio Lower Upper

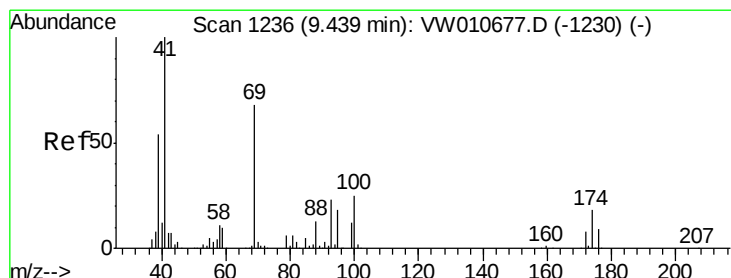
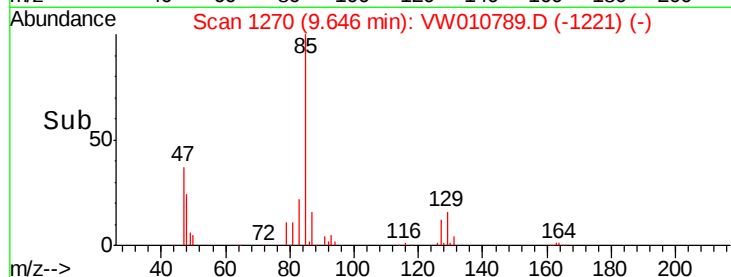
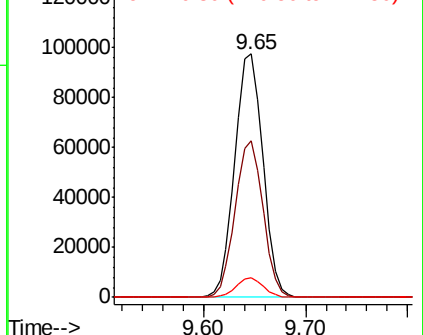
83 100

85 64.1 53.0 79.4

127 7.9 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: 47.577 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

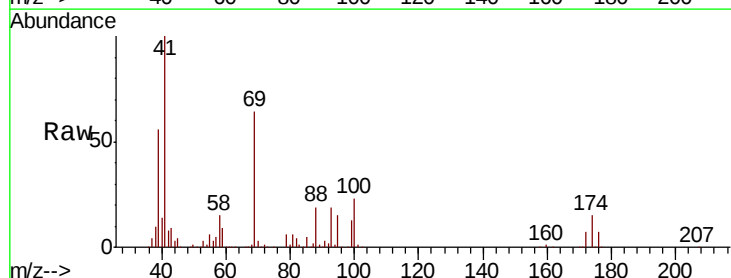
Tgt Ion: 41 Resp: 107287

Ion Ratio Lower Upper

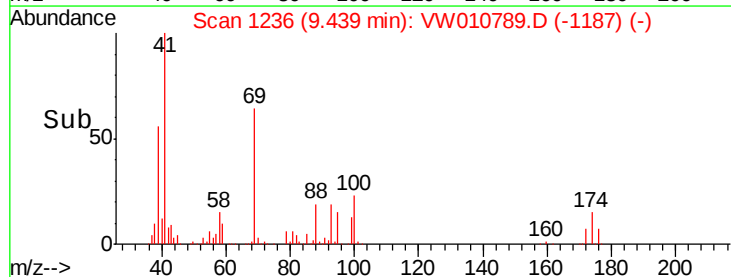
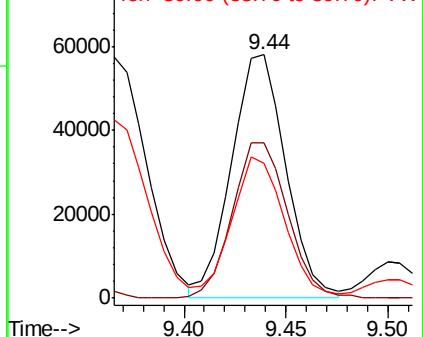
41 100

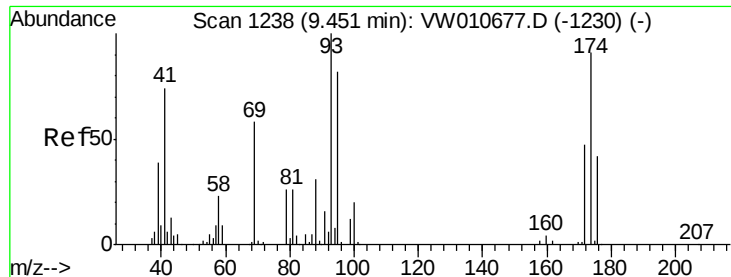
69 65.5 56.6 85.0

39 53.0 44.4 66.6



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

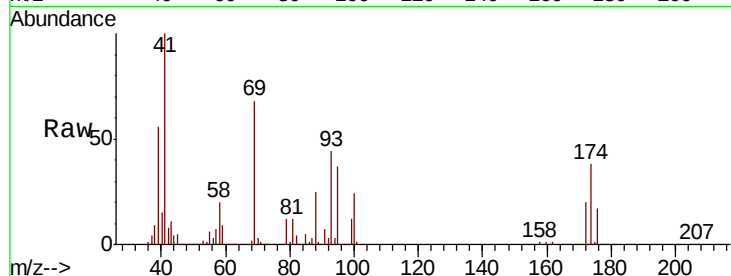




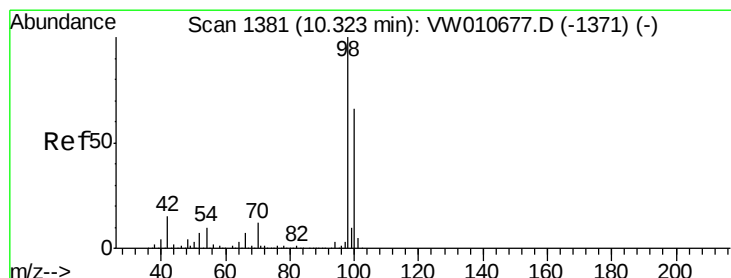
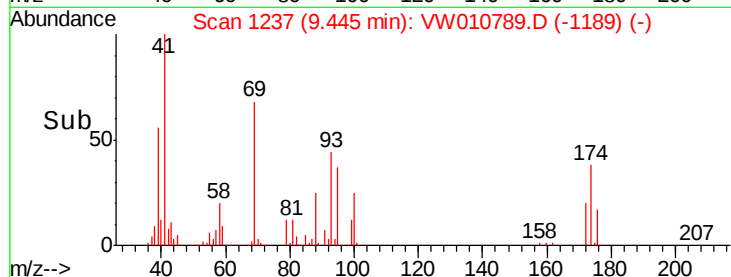
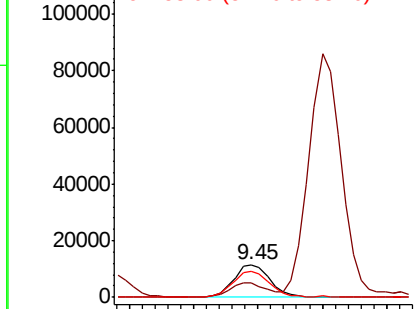
#49
1,4-Dioxane
Concen: 986.841 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 22609
Ion Ratio Lower Upper
88 100
43 42.7 34.2 51.4
58 82.0 69.0 103.4

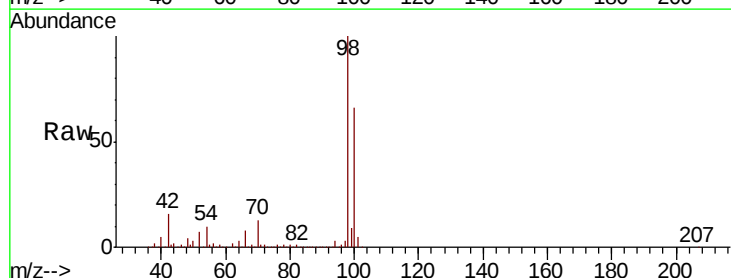


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

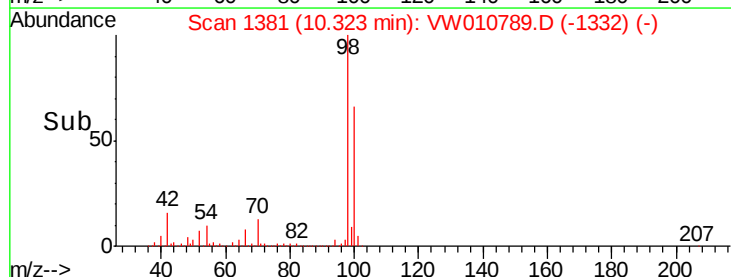
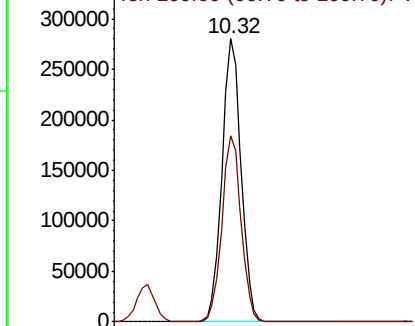


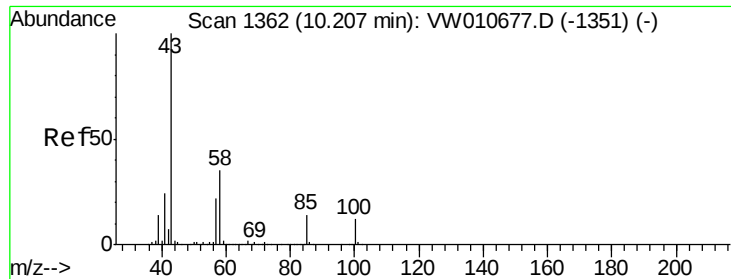
#50
Toluene-d8
Concen: 47.547 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 98 Resp: 483002
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.6



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

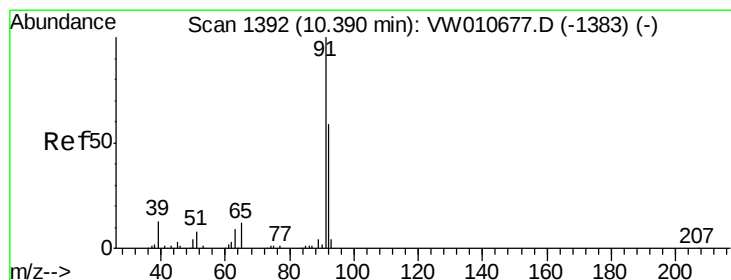
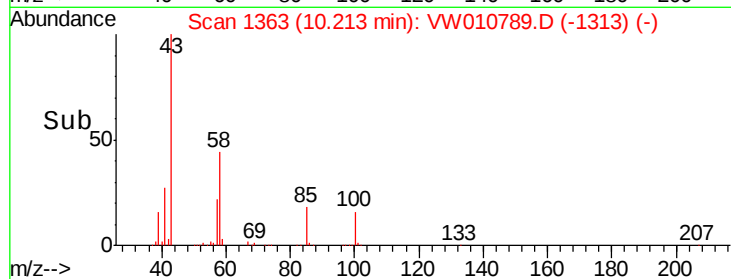
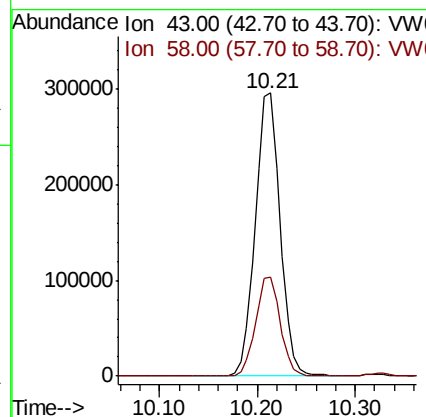
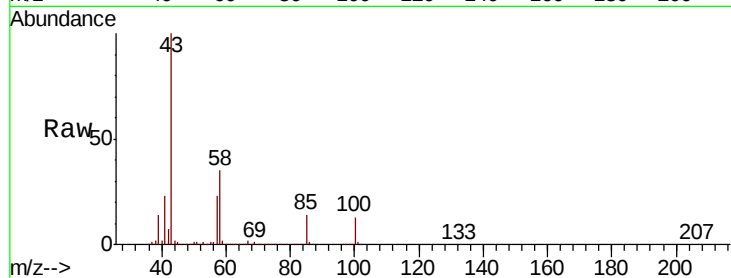




#51
 4-Methyl-2-Pentanone
 Concen: 218.454 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

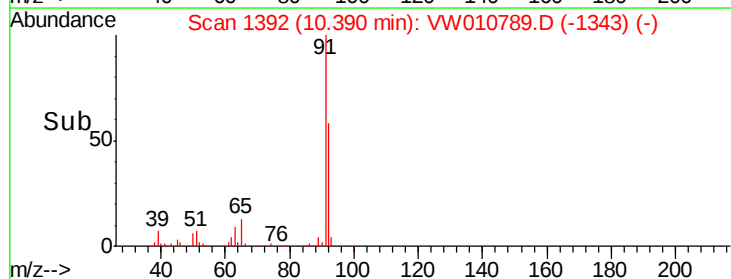
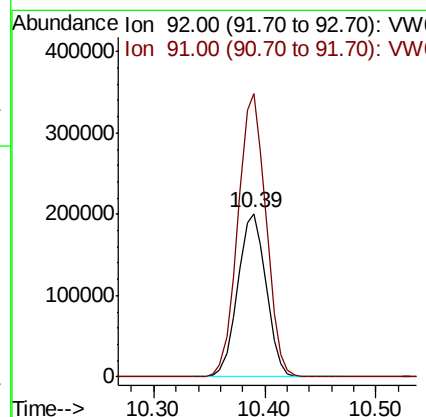
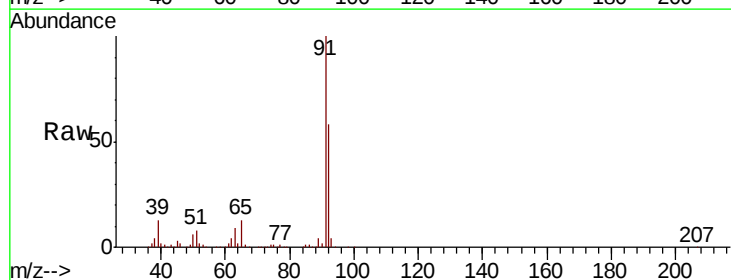
Instrument :
 MSVOA_W
 ClientSampleId :

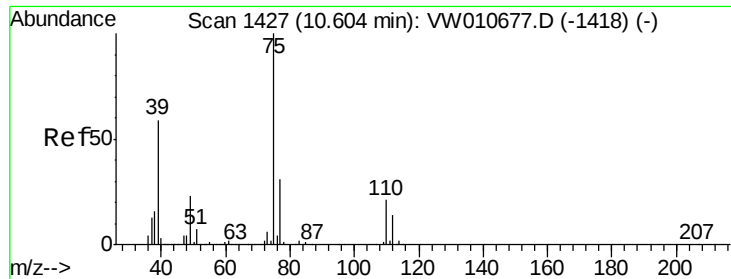
Tot Ion: 43 Resp: 521967
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.4 42.6



#52
 Toluene
 Concen: 48.139 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion: 92 Resp: 353003
 Ion Ratio Lower Upper
 92 100
 91 172.5 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 47.823 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

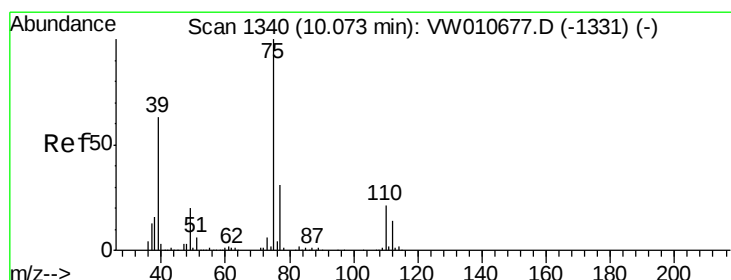
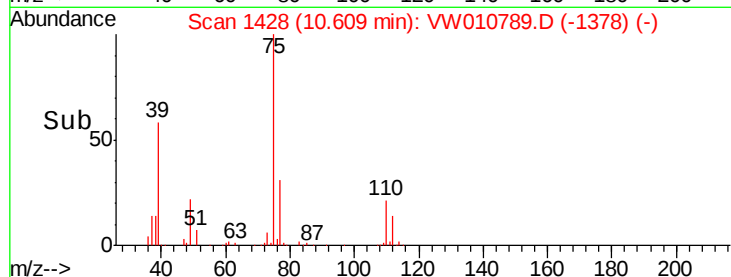
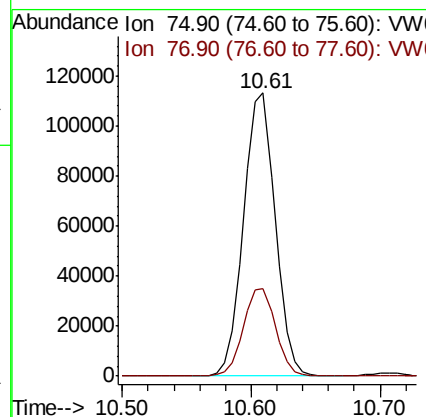
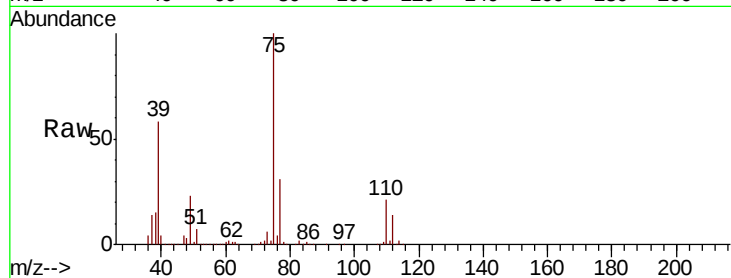
ClientSampled :

Tot Ion: 75 Resp: 192409

Ion Ratio Lower Upper

75 100

77 30.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 48.675 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

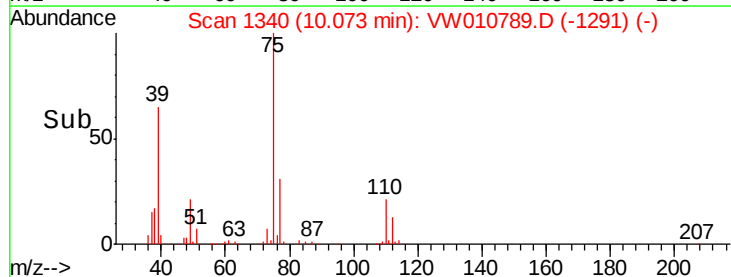
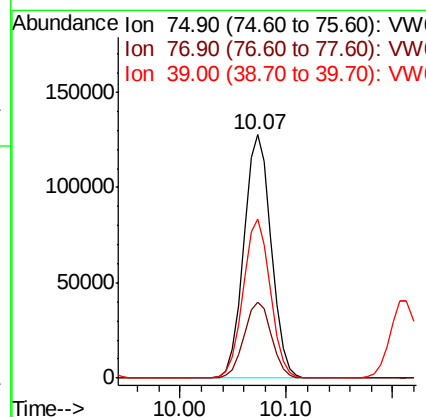
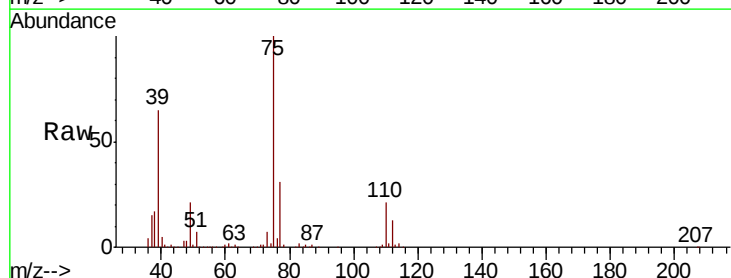
Tgt Ion: 75 Resp: 230442

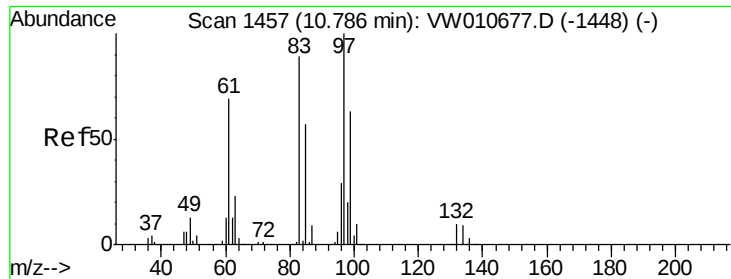
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 65.2 50.1 75.1

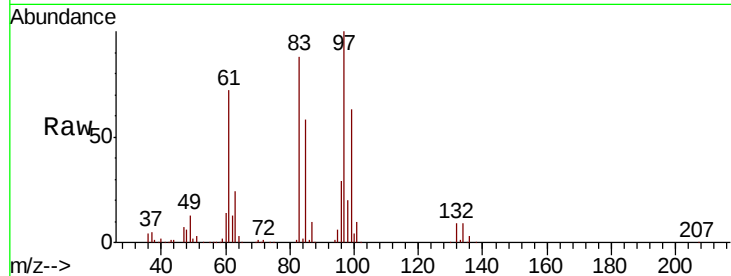




#55
 1,1,2-Trichloroethane
 Concen: 45.070 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

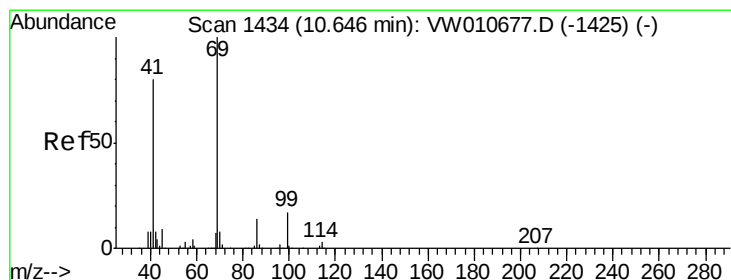
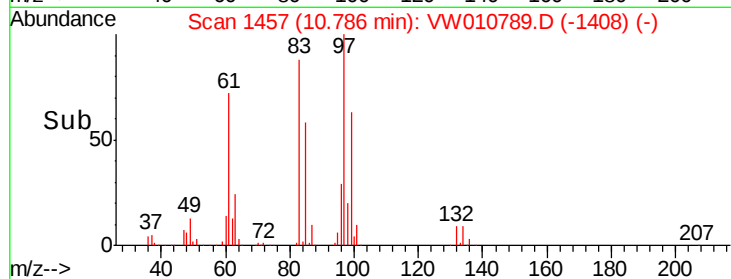
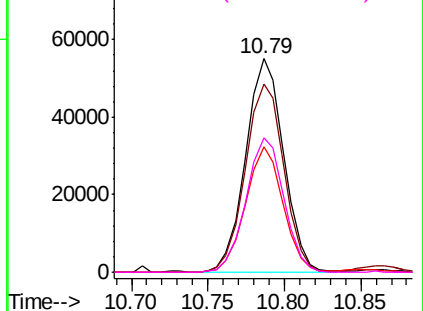
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 97 Resp: 95143
 Ion Ratio Lower Upper
 97 100
 83 88.1 71.1 106.7
 85 58.5 45.2 67.8
 99 63.1 50.0 75.0



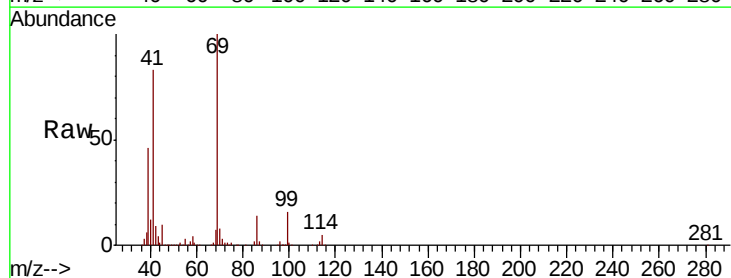
Abundance

Ion 96.90 (96.60 to 97.60): VW



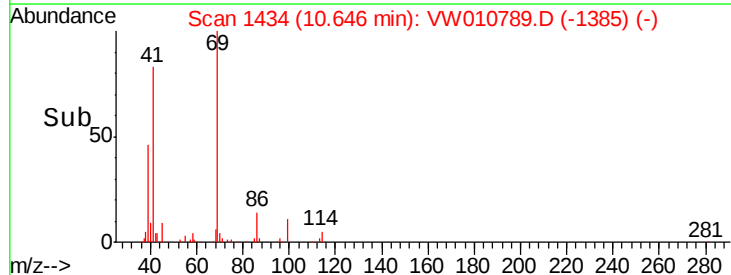
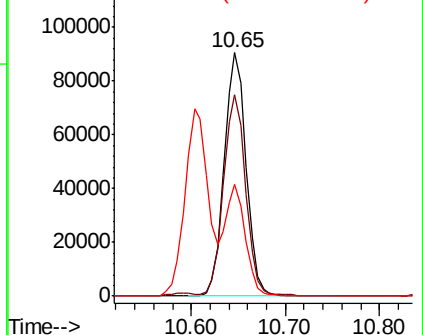
#56
 Ethyl methacrylate
 Concen: 44.938 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

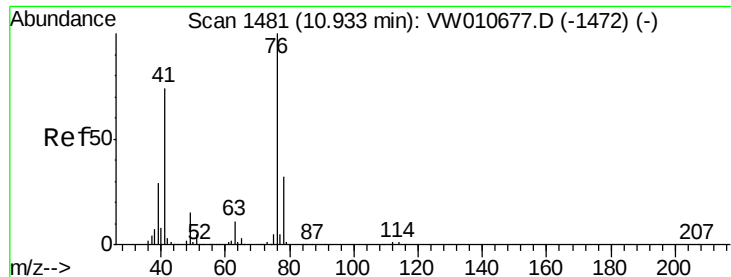
Tgt Ion: 69 Resp: 145971
 Ion Ratio Lower Upper
 69 100
 41 82.9 64.8 97.2
 39 41.8 32.2 48.2



Abundance

Ion 69.00 (68.70 to 69.70): VW

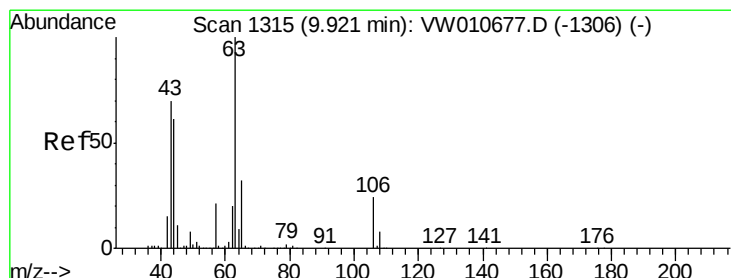
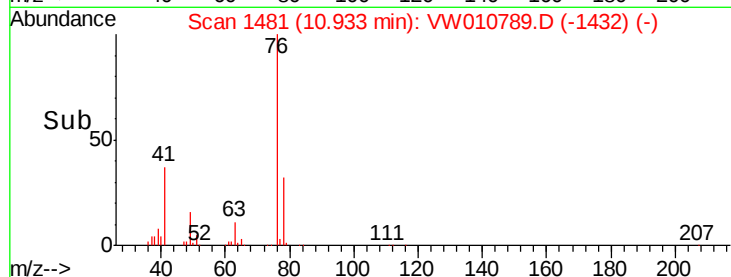
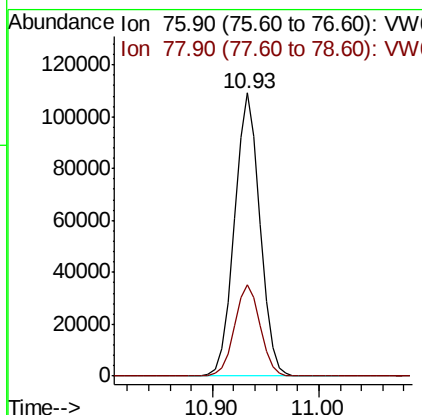
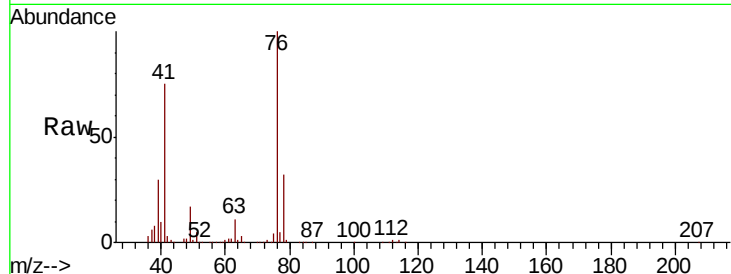




#57
 1,3-Dichloropropane
 Concen: 46.012 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

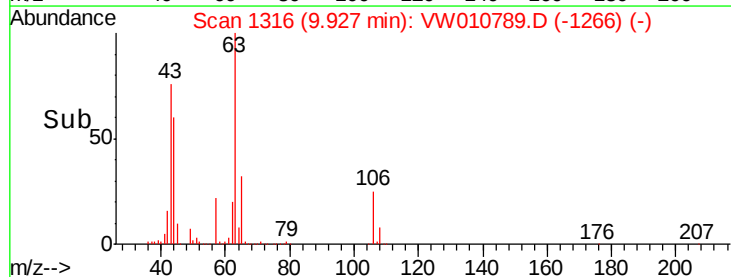
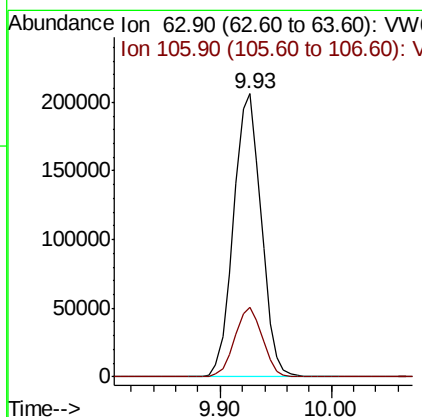
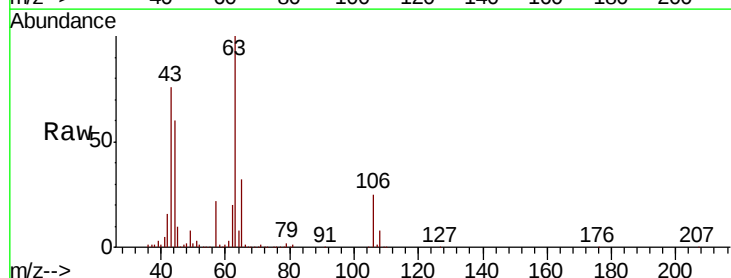
Instrument :
 MSVOA_W
 ClientSampleId :

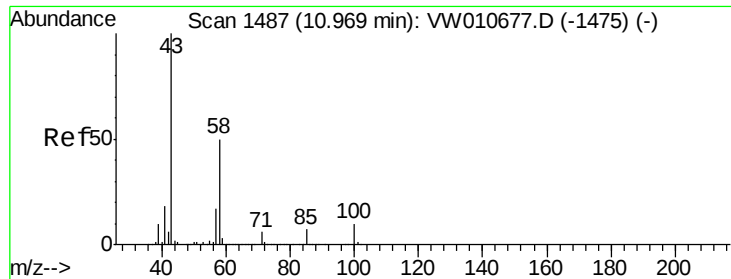
Tot Ion: 76 Resp: 183050
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 209.005 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion: 63 Resp: 355599
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.1 30.1

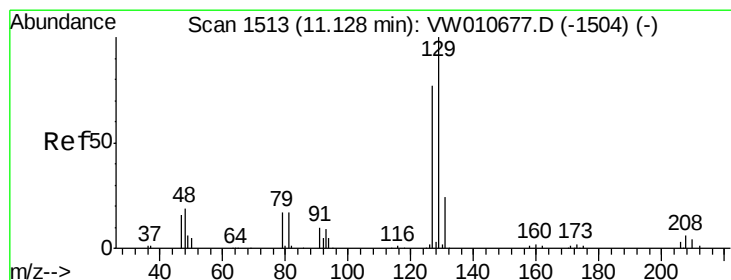
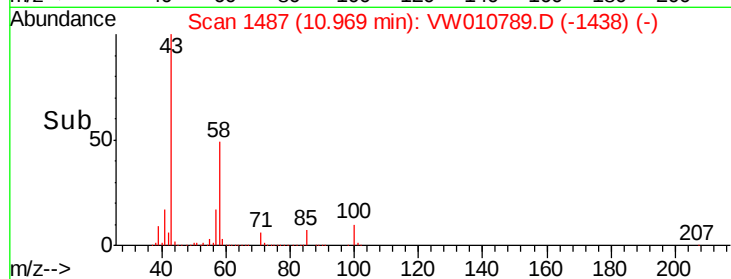
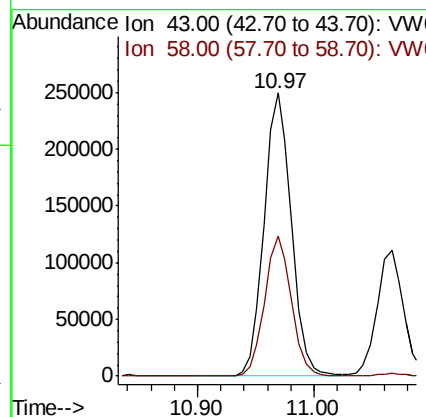
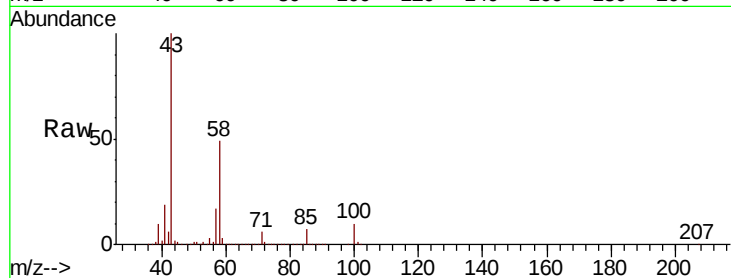




#59
2-Hexanone
Concen: 236.155 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

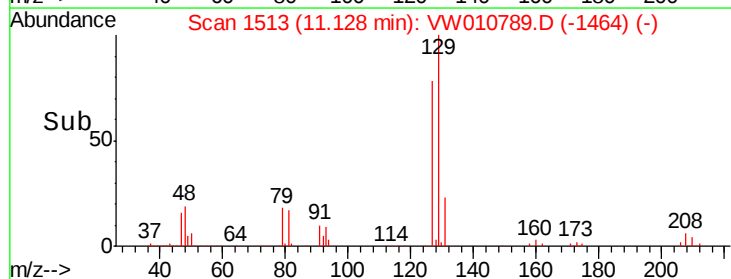
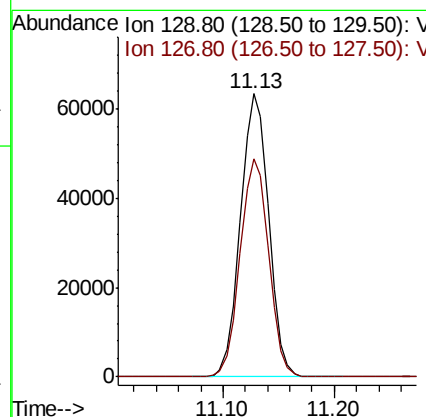
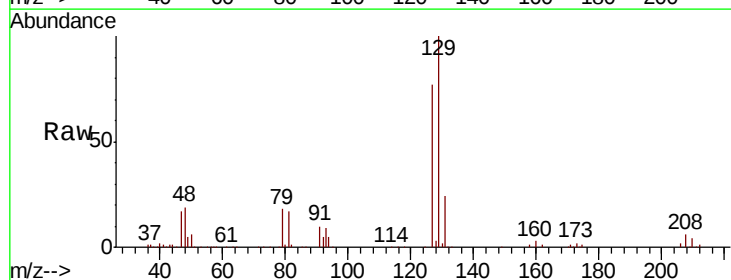
Instrument :
MSVOA_W
ClientSampleId :

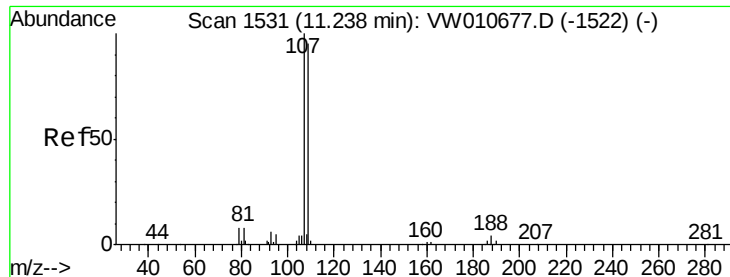
Tot Ion: 43 Resp: 407805
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6



#60
Dibromochloromethane
Concen: 47.380 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 129 Resp: 110875
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0

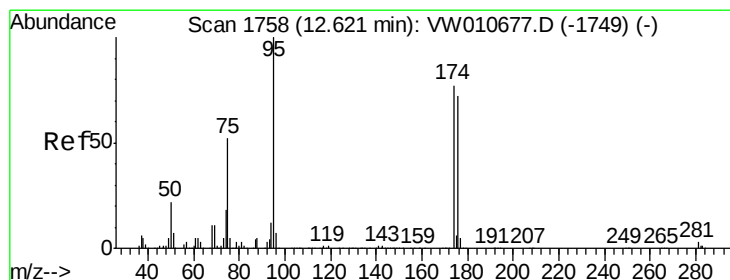
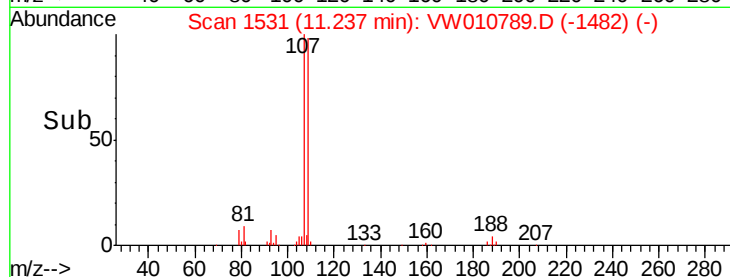
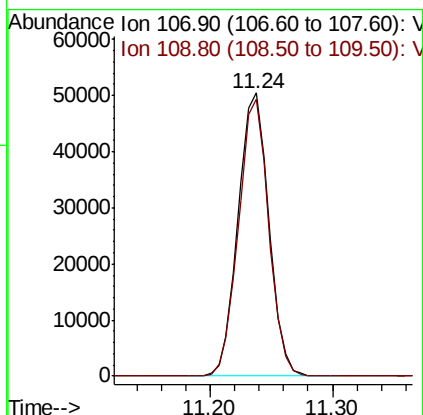
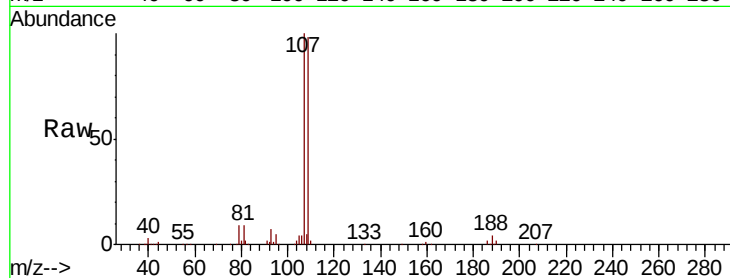




#61
 1,2-Dibromoethane
 Concen: 43.969 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

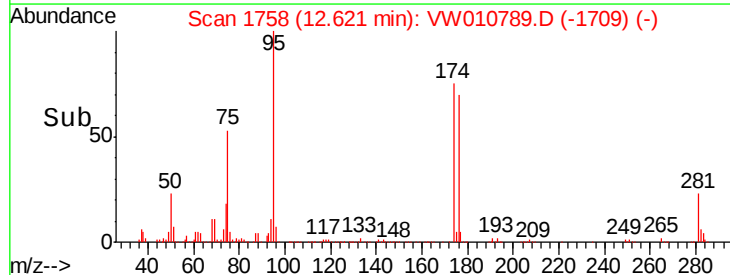
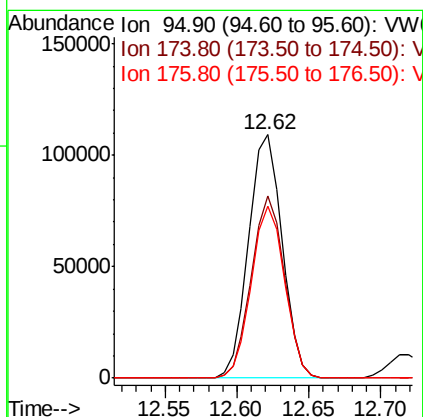
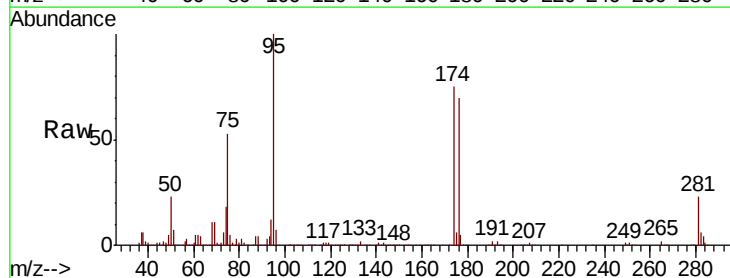
Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 107 Resp: 87944
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 47.706 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion: 95 Resp: 176347
 Ion Ratio Lower Upper
 95 100
 174 73.9 0.0 150.4
 176 70.2 0.0 144.8

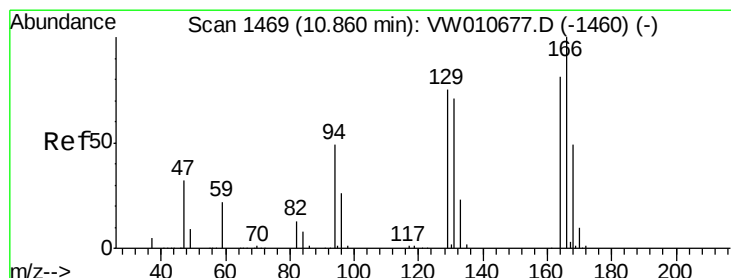
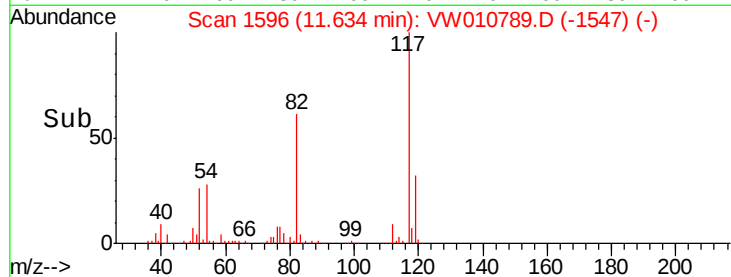
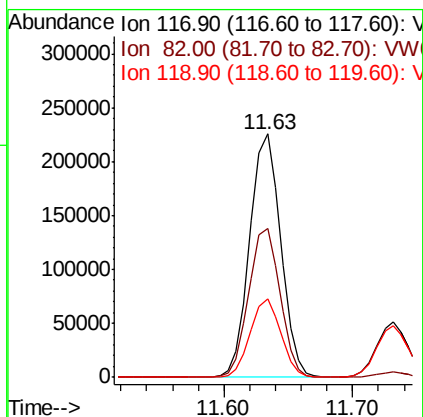
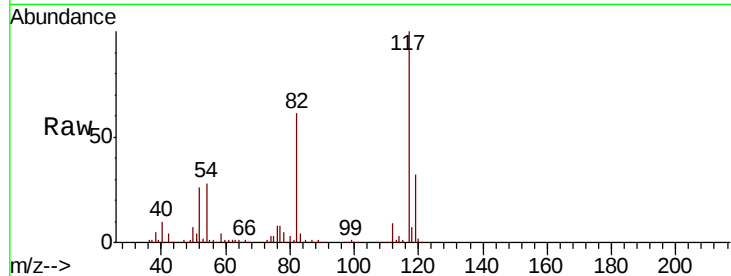




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

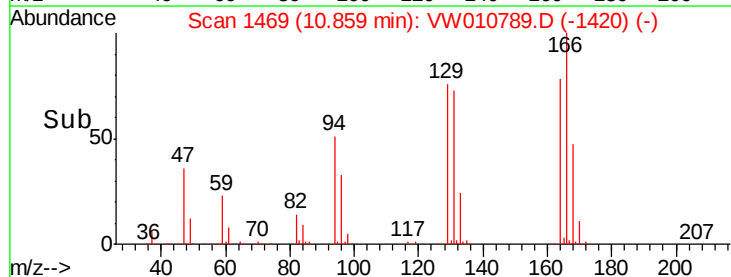
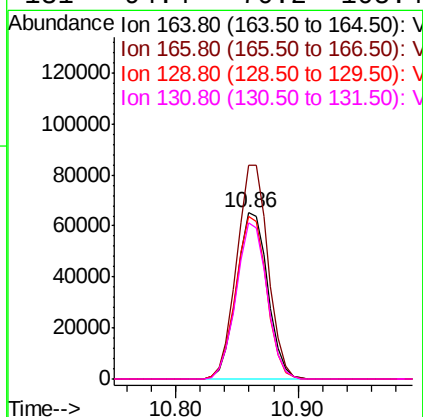
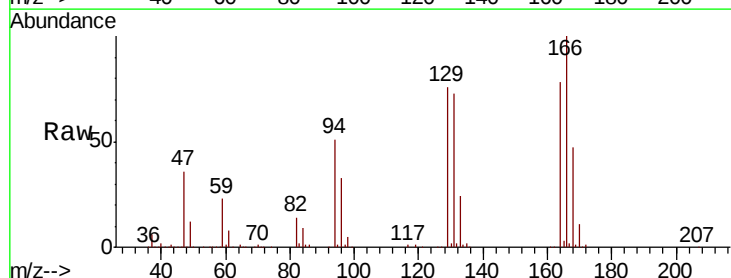
Instrument :
MSVOA_W
ClientSampleId :

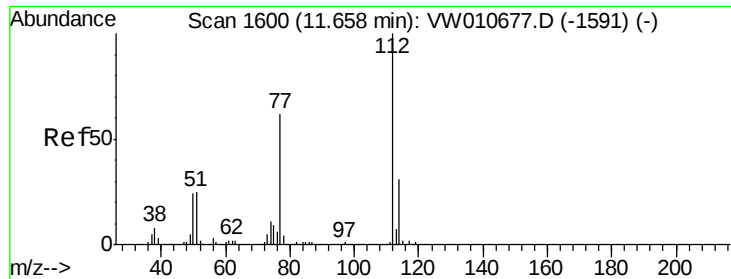
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	47.0	70.4
119	32.1	25.1	37.7



#64
Tetrachloroethene
Concen: 46.274 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	99.2	148.8
129	97.9	74.6	112.0
131	94.4	70.2	105.4

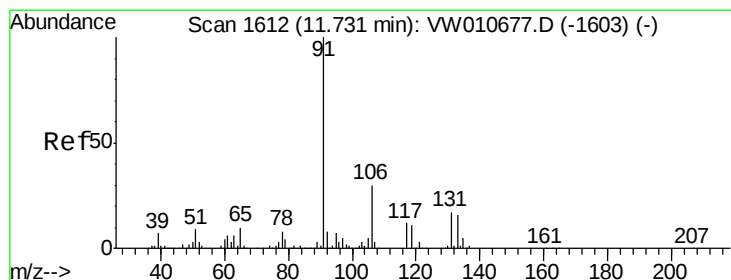
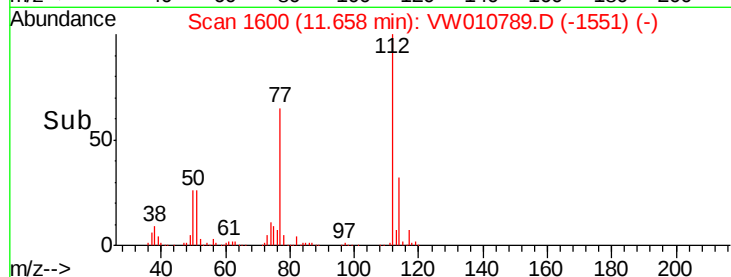
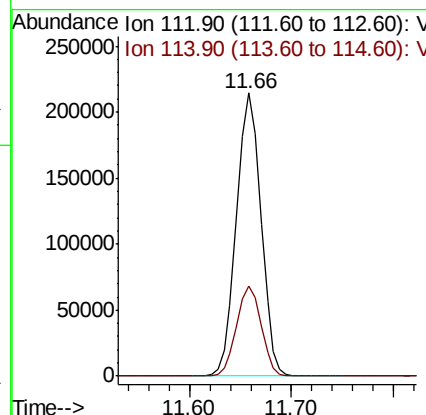
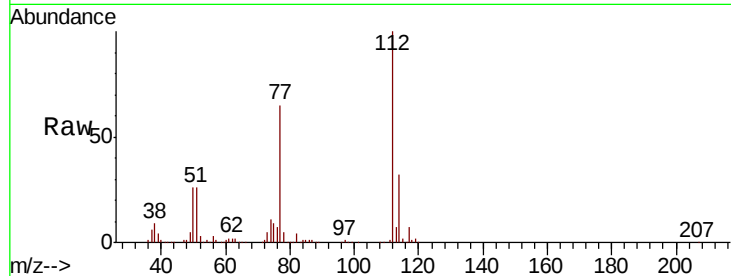




#65
Chlorobenzene
Concen: 48.291 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

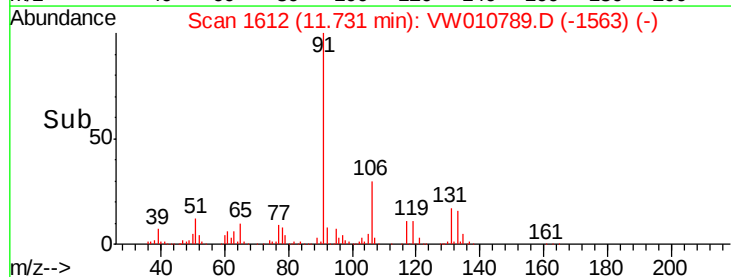
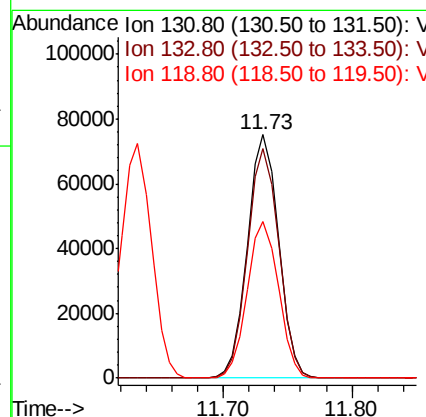
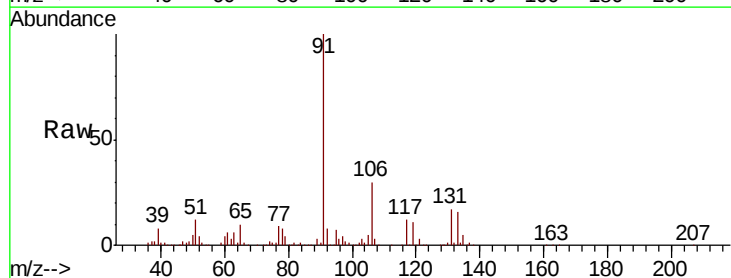
Instrument :
MSVOA_W
ClientSampleId :

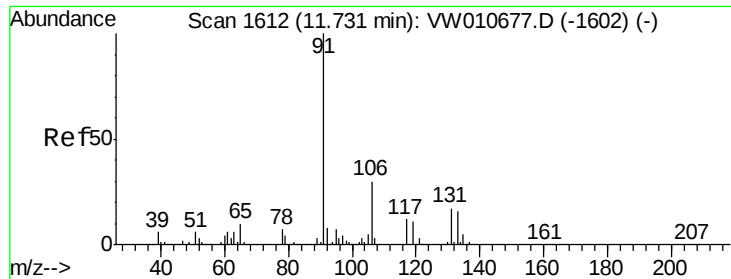
Tot Ion:112 Resp: 356300
Ion Ratio Lower Upper
112 100
114 31.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.060 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion:131 Resp: 125303
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 65.0 32.4 97.0

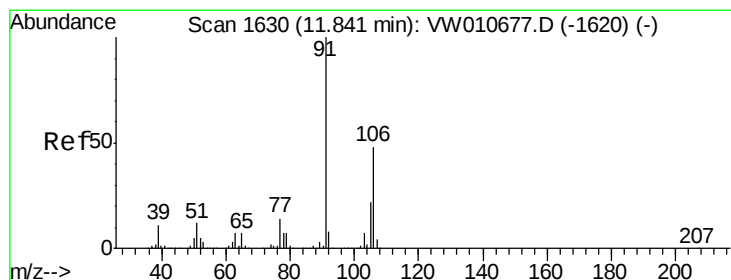
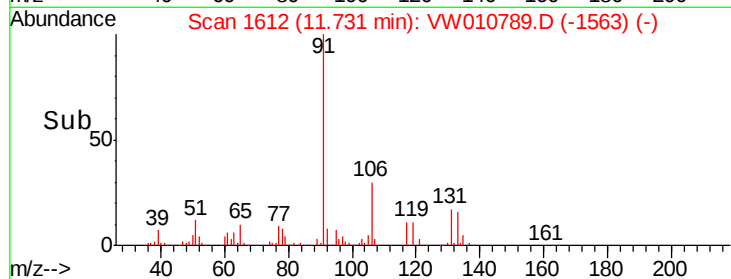
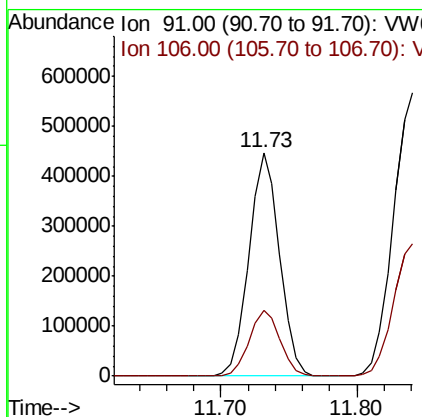
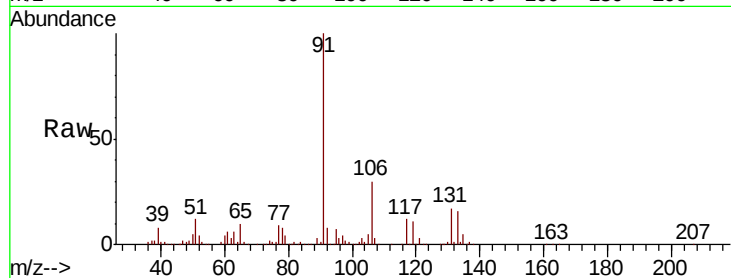




#67
Ethyl Benzene
Concen: 49.615 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

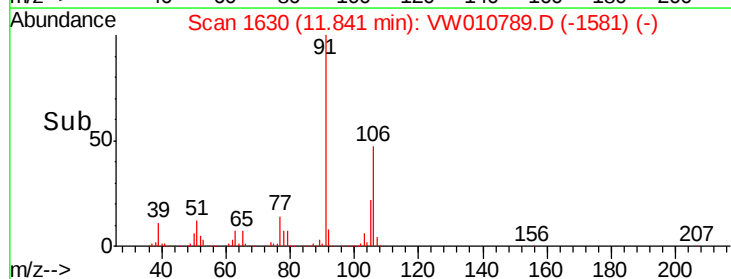
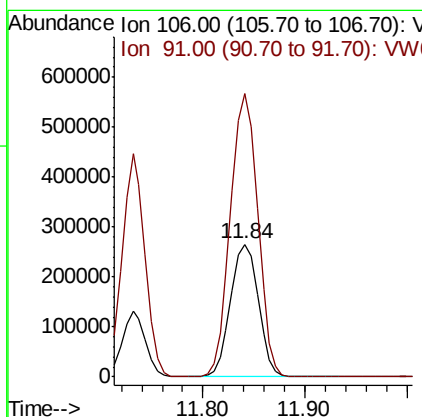
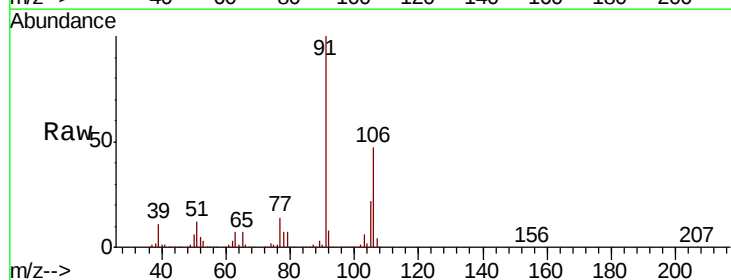
Instrument :
MSVOA_W
ClientSampleId :

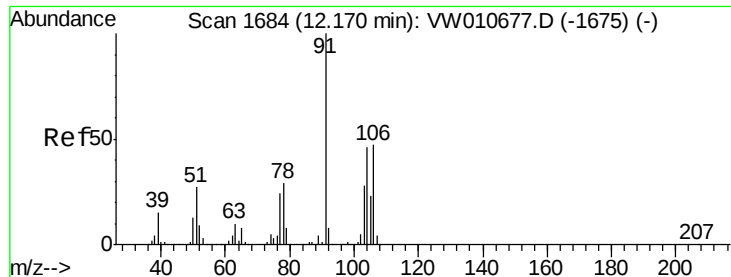
Tot Ion: 91 Resp: 703536
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.4



#68
m/p-Xylenes
Concen: 98.855 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 106 Resp: 501790
Ion Ratio Lower Upper
106 100
91 210.3 166.5 249.7

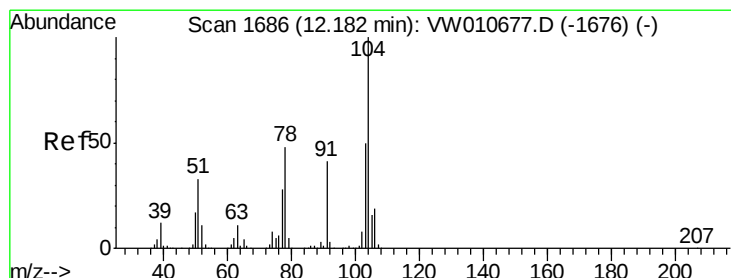
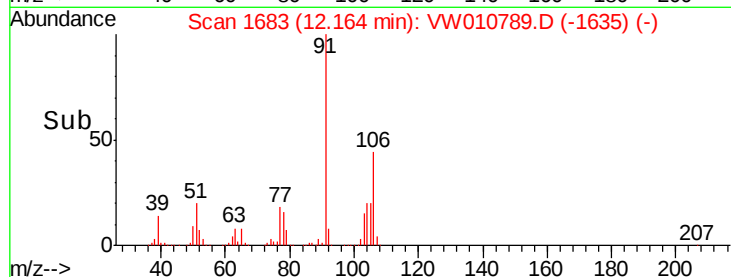
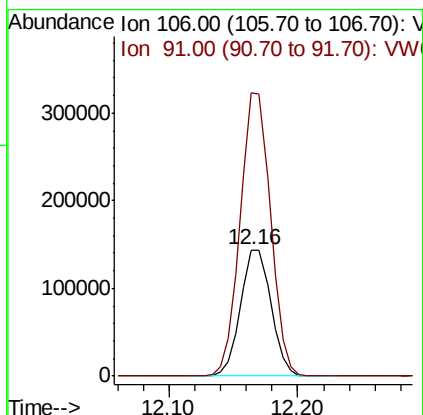
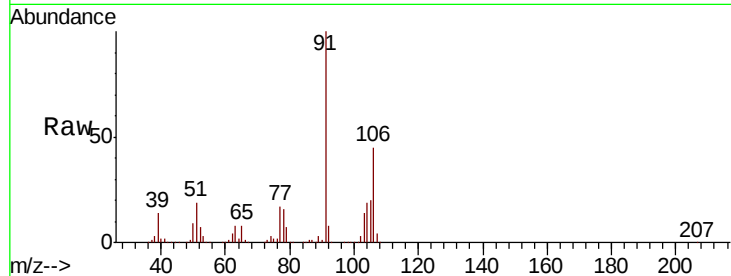




#69
o-Xylene
Concen: 49.037 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

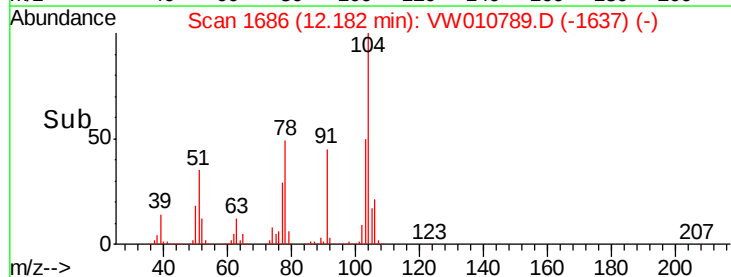
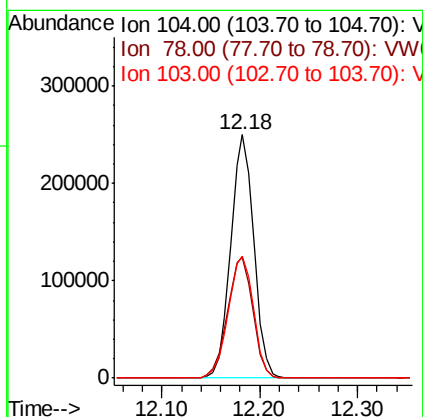
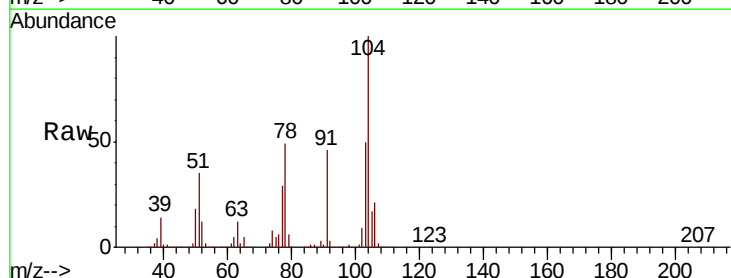
Instrument :
MSVOA_W
ClientSampled :

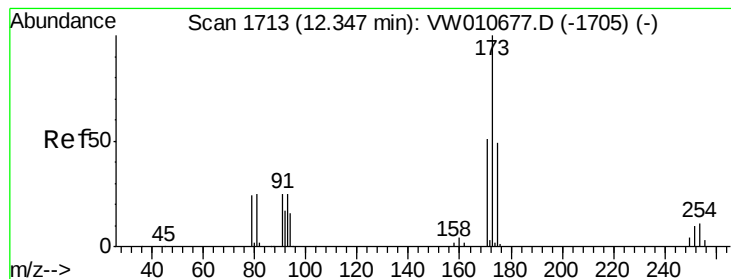
Tot Ion:106 Resp: 236071
Ion Ratio Lower Upper
106 100
91 223.7 108.9 326.6



#70
Styrene
Concen: 48.883 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion:104 Resp: 408807
Ion Ratio Lower Upper
104 100
78 54.6 42.7 64.1
103 54.7 43.6 65.4





#71

Bromoform

Concen: 45.038 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

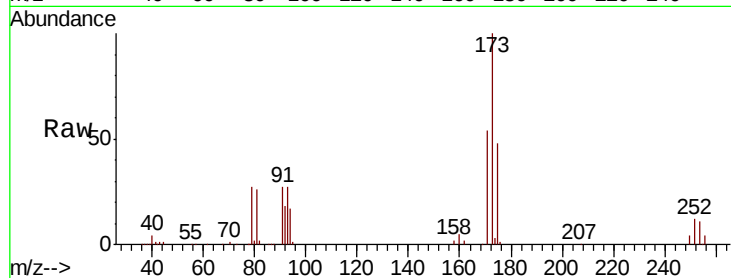
Tot Ion:173 Resp: 59492

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

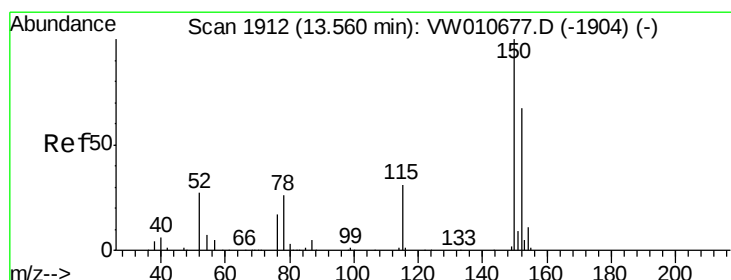
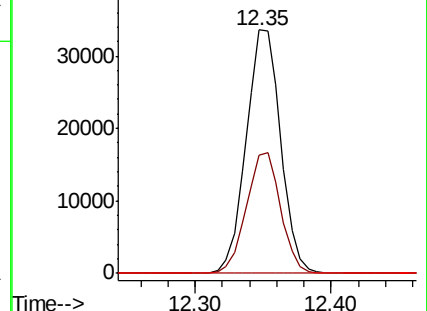
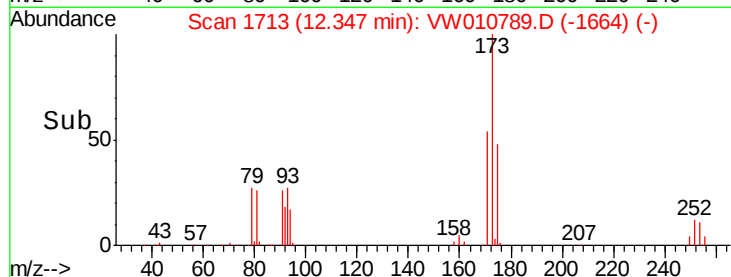
254 0.1 0.1 0.1



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: VW010789.D

Acq: 13 Jun 2019 11:03

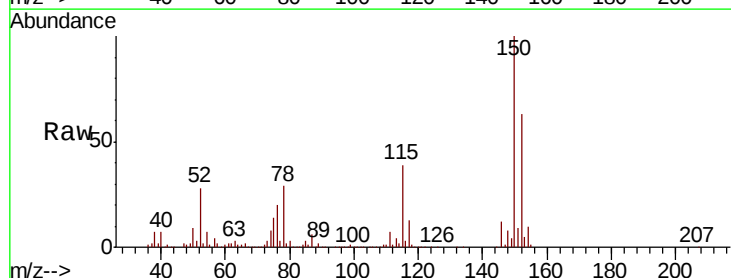
Tgt Ion:152 Resp: 180276

Ion Ratio Lower Upper

152 100

115 61.8 29.8 89.3

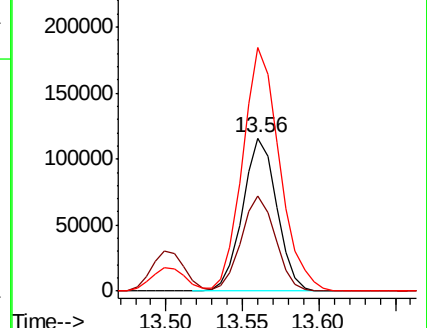
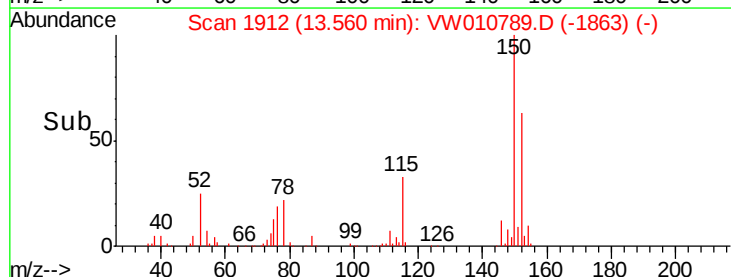
150 172.2 0.0 345.0

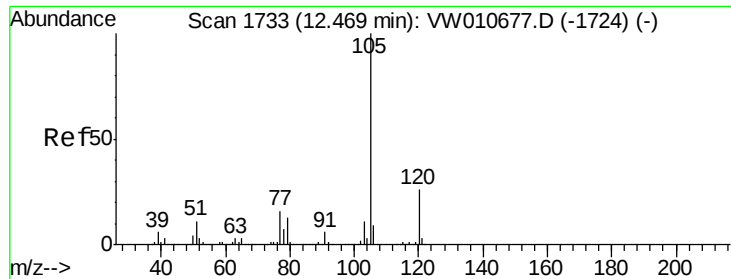


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.415 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

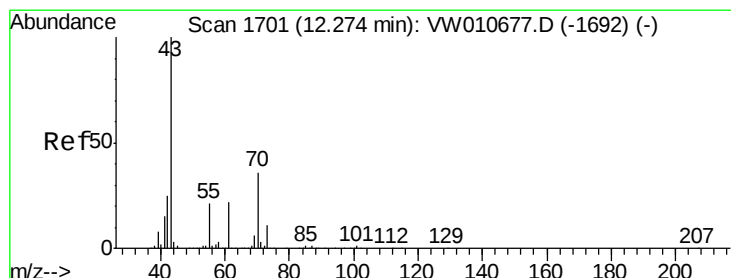
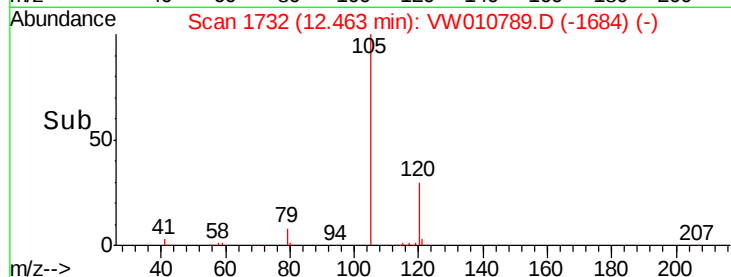
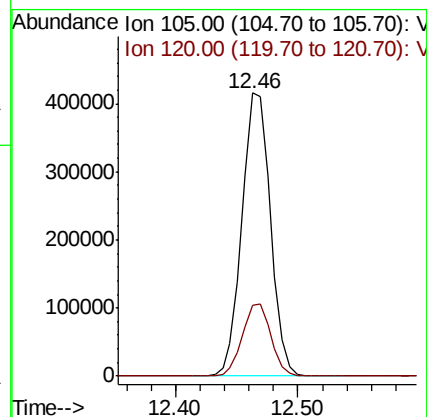
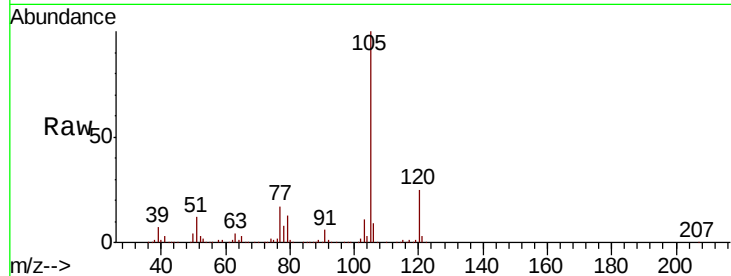
ClientSampleId :

Tot Ion:105 Resp: 669433

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 45.181 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Tgt Ion: 43 Resp: 197814

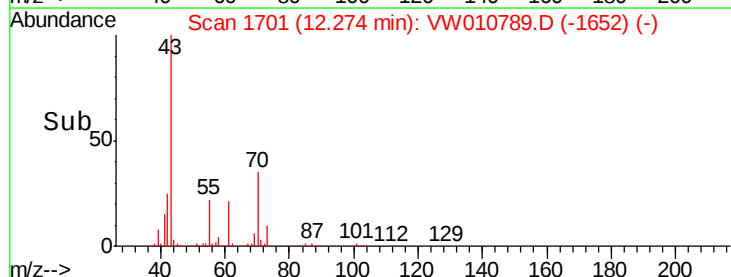
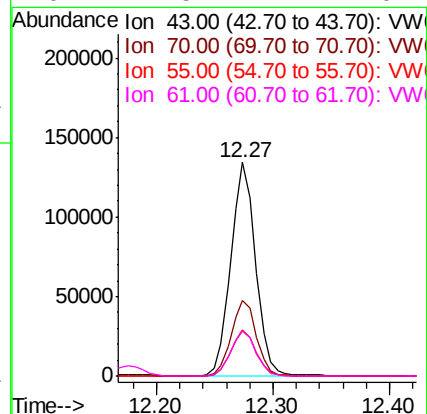
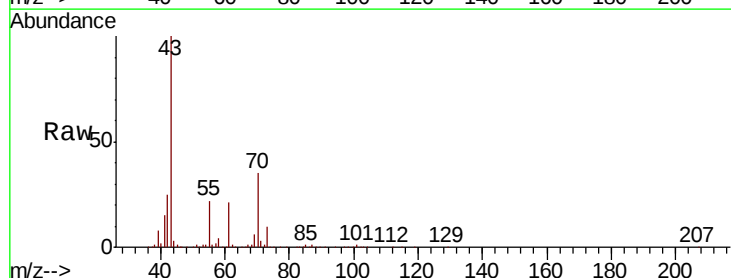
Ion Ratio Lower Upper

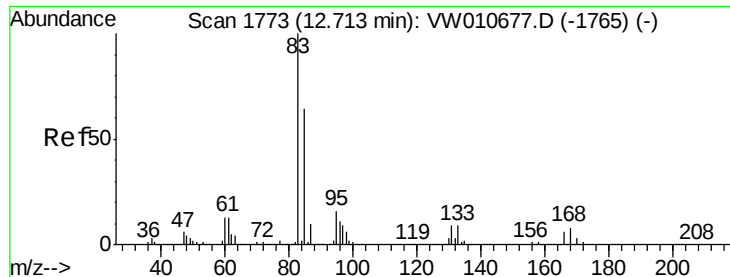
43 100

70 35.8 29.2 43.8

55 22.1 17.5 26.3

61 21.5 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 43.274 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

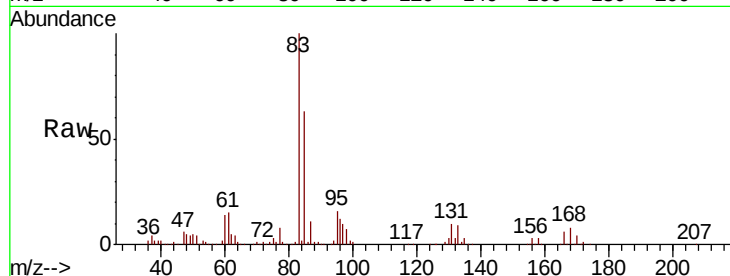
Tot Ion: 83 Resp: 111604

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

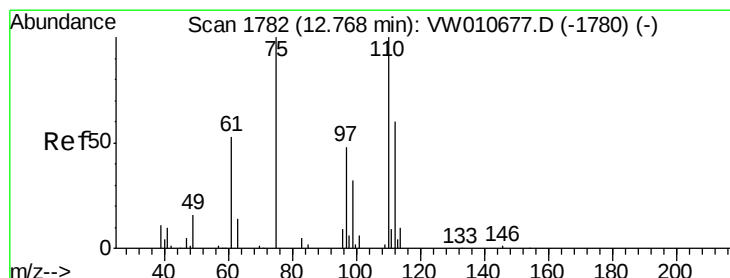
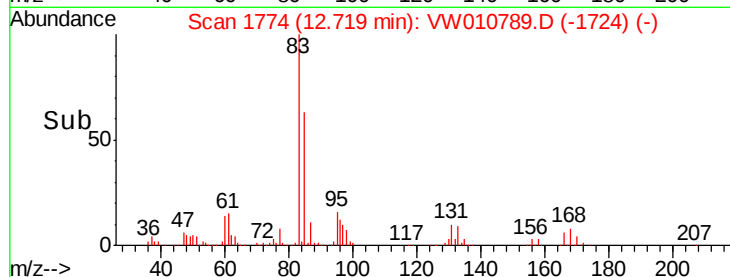
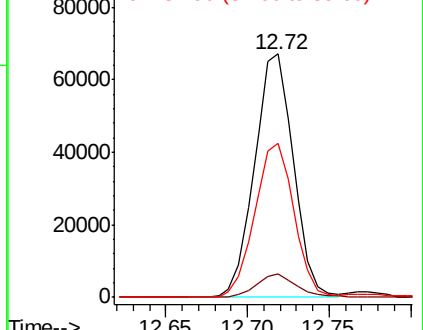
85 63.7 31.9 95.9



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: 81.266 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010789.D

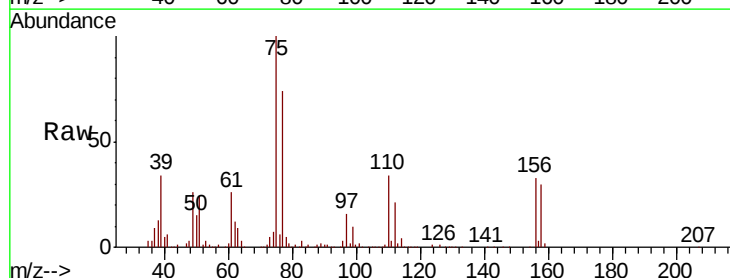
Acq: 13 Jun 2019 11:03

Tgt Ion: 75 Resp: 153849

Ion Ratio Lower Upper

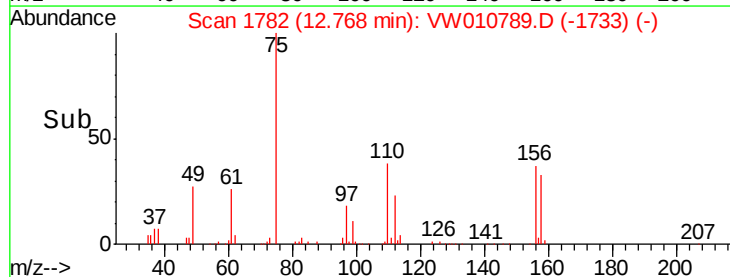
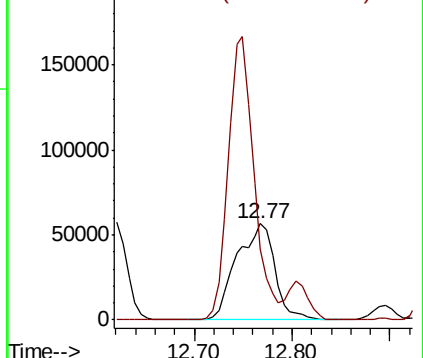
75 100

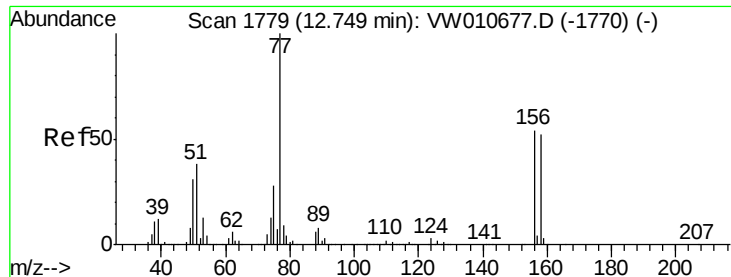
77 197.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 47.477 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

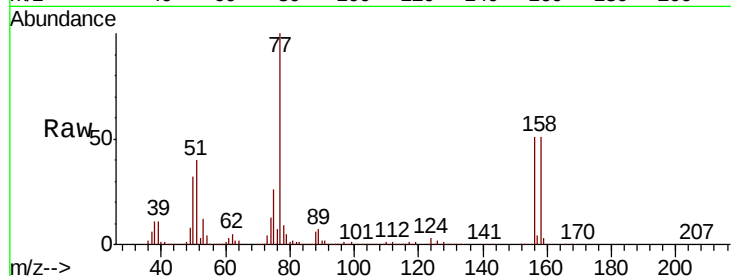
Tot Ion:156 Resp: 140393

Ion Ratio Lower Upper

156 100

77 216.7 106.5 319.4

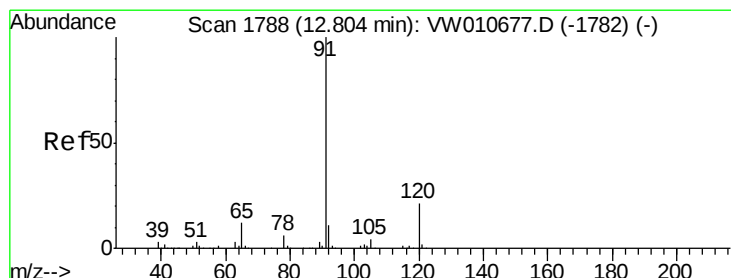
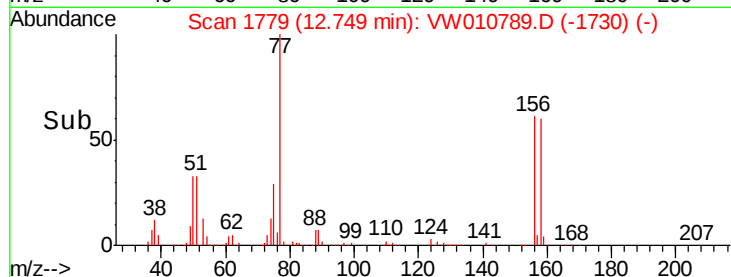
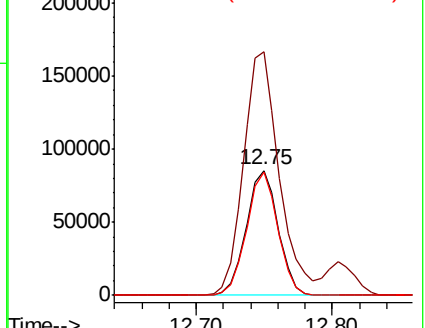
158 97.1 48.3 144.9



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: 50.196 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010789.D

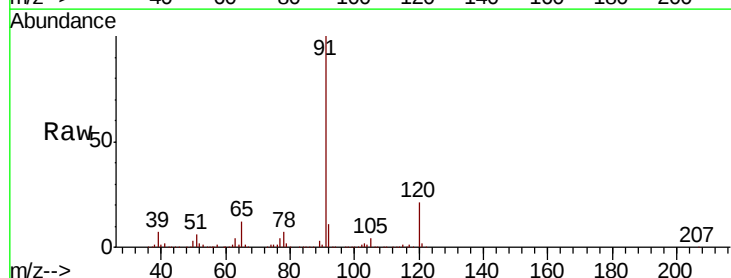
Acq: 13 Jun 2019 11:03

Tgt Ion: 91 Resp: 819958

Ion Ratio Lower Upper

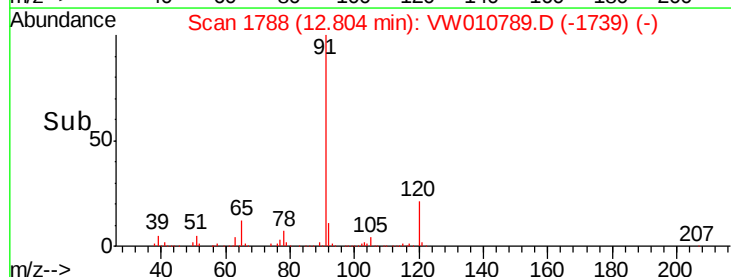
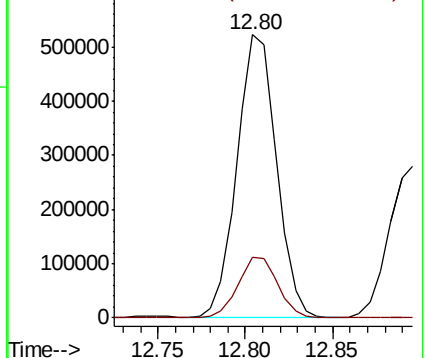
91 100

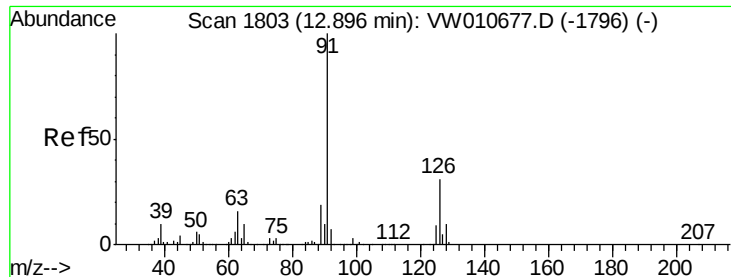
120 21.5 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.010 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

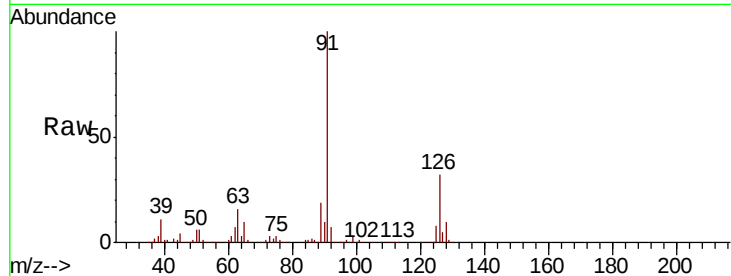
ClientSampleId :

Tot Ion: 91 Resp: 457380

Ion Ratio Lower Upper

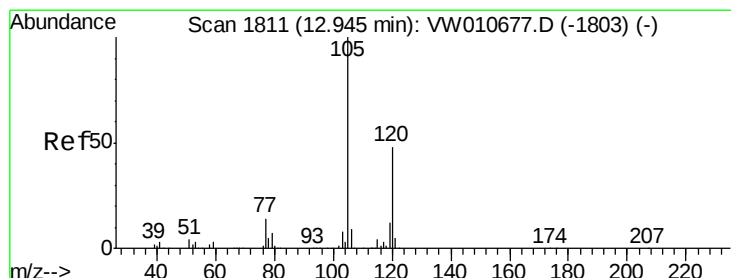
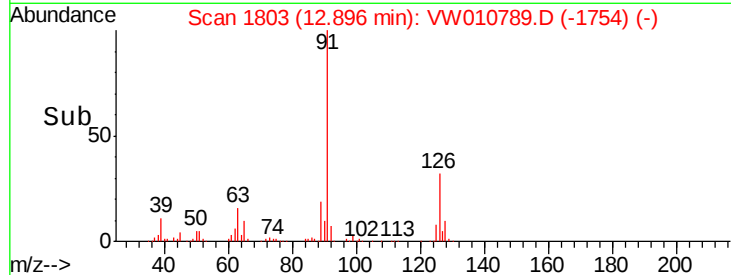
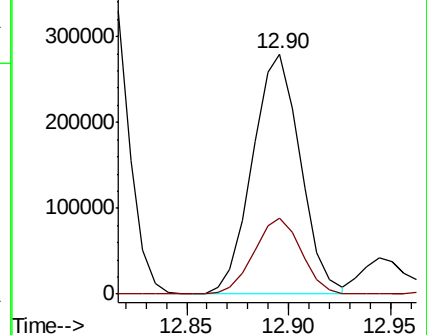
91 100

126 31.1 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: 50.447 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010789.D

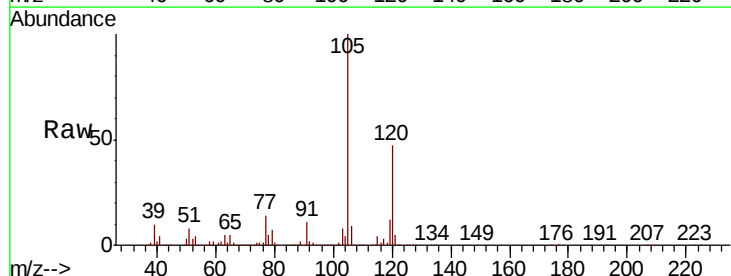
Acq: 13 Jun 2019 11:03

Tgt Ion:105 Resp: 559384

Ion Ratio Lower Upper

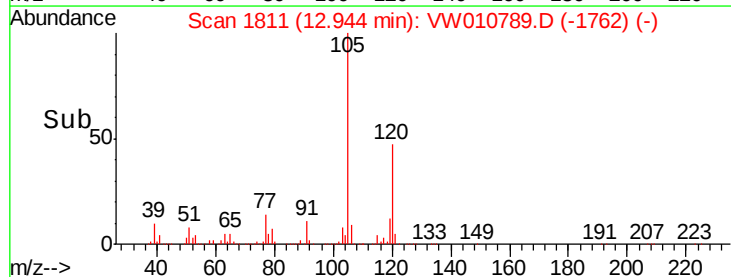
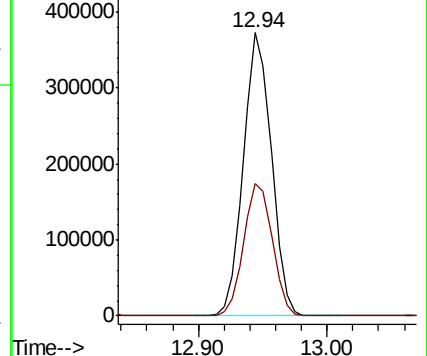
105 100

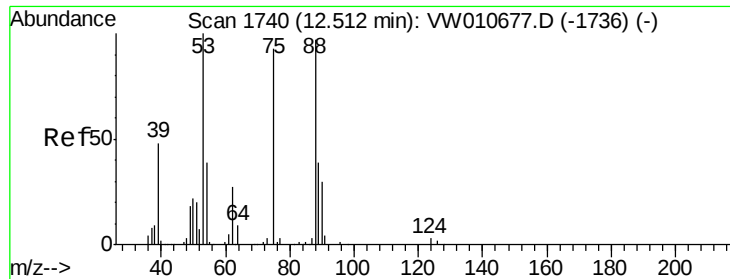
120 48.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

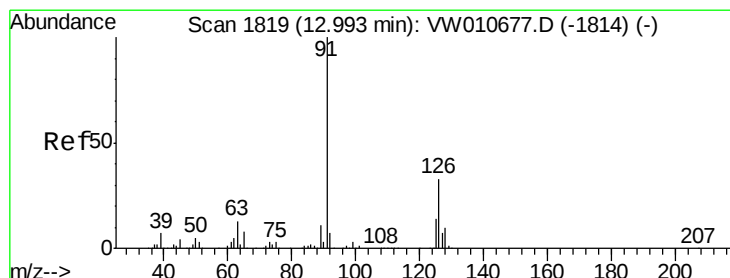
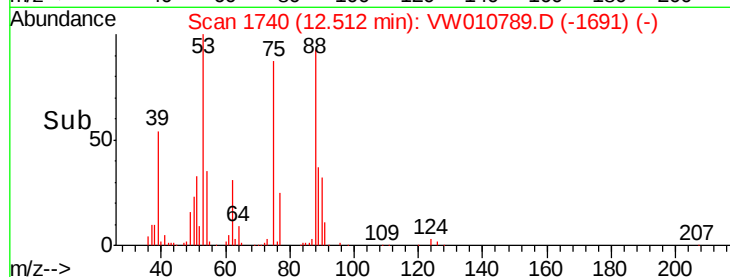
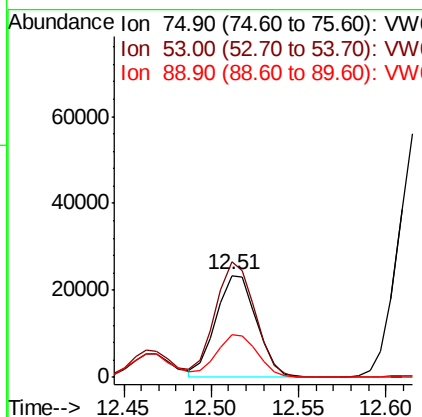
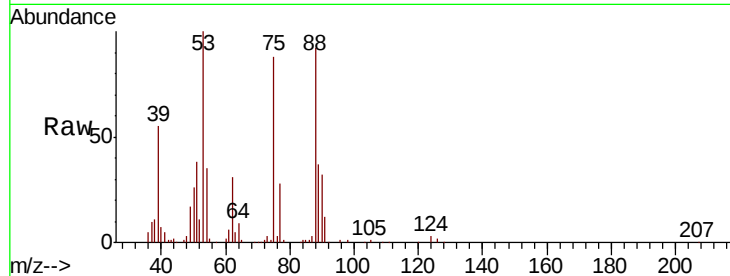




#81
trans-1,4-Dichloro-2-butene
Concen: 45.799 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

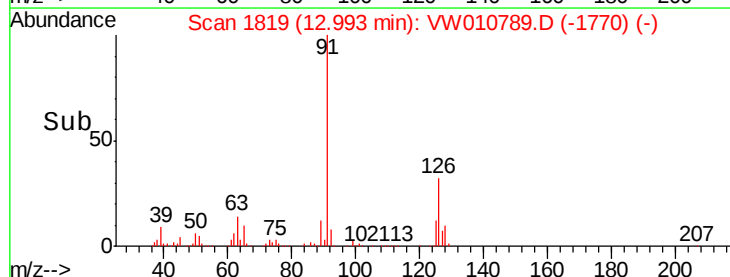
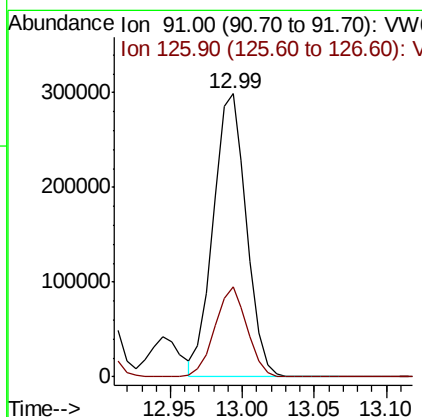
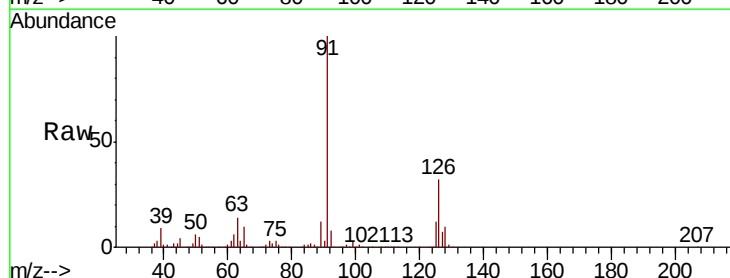
Instrument :
MSVOA_W
ClientSampleId :

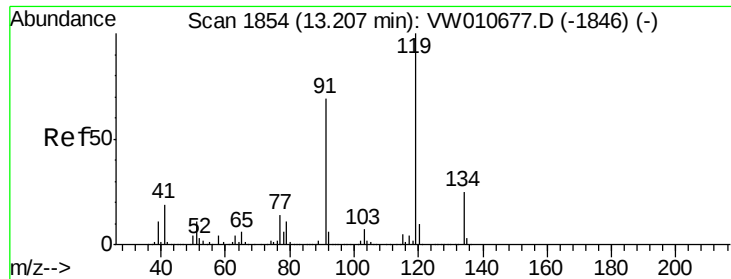
Tot Ion: 75 Resp: 37725
Ion Ratio Lower Upper
75 100
53 111.5 90.1 135.1
89 42.8 34.6 52.0



#82
4-Chlorotoluene
Concen: 49.758 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion: 91 Resp: 479207
Ion Ratio Lower Upper
91 100
126 31.0 15.9 47.7

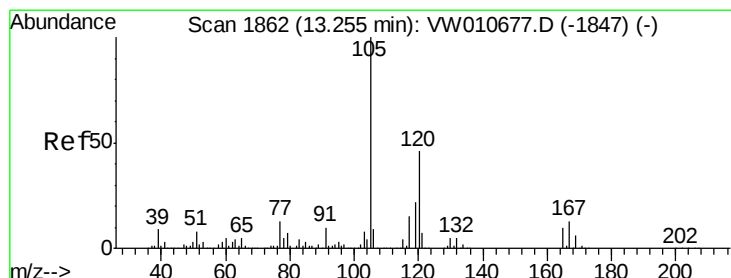
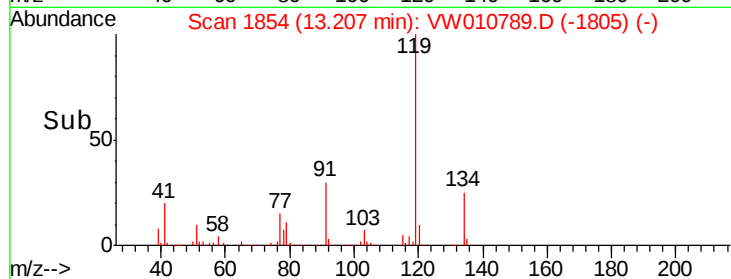
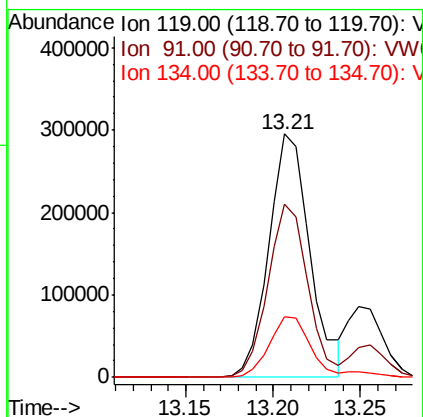
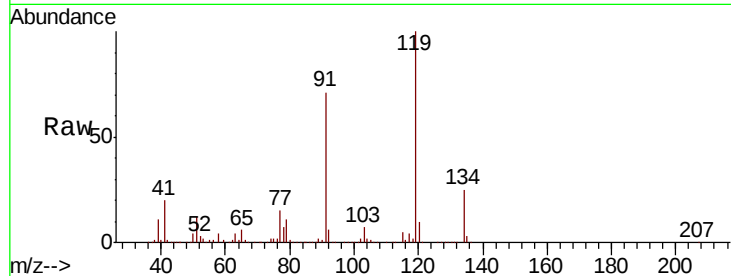




#83
 tert-Butylbenzene
 Concen: 51.465 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

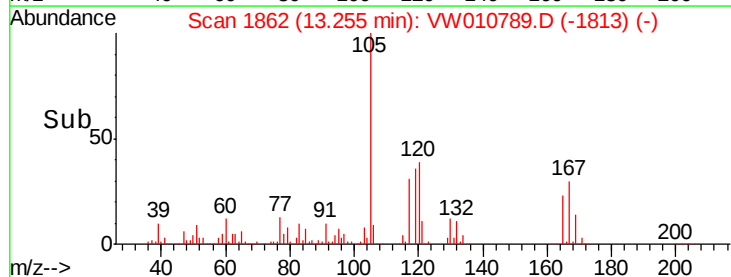
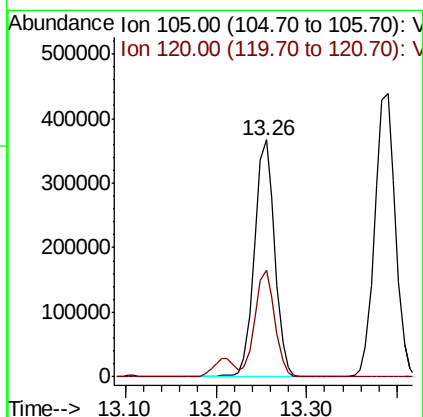
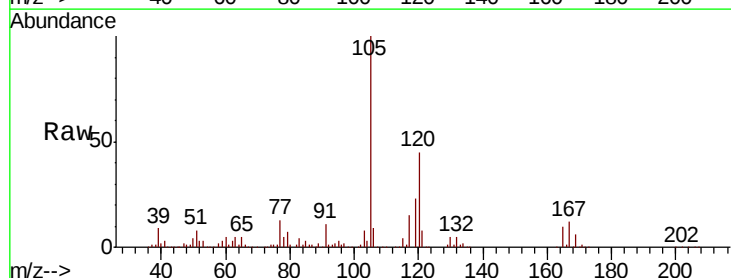
Instrument :
 MSVOA_W
 ClientSampleId :

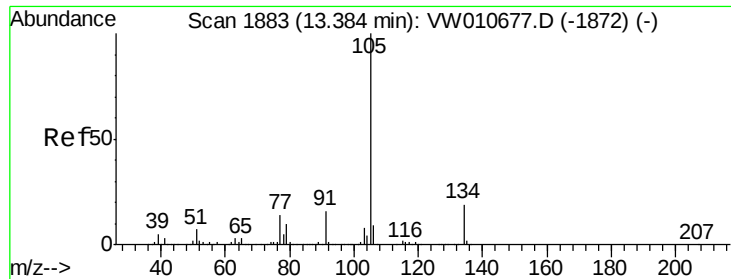
Tot Ion:119 Resp: 484313
 Ion Ratio Lower Upper
 119 100
 91 68.9 35.1 105.3
 134 26.2 13.6 40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 50.701 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion:105 Resp: 565731
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.5 67.5





#85

sec-Butylbenzene

Concen: 50.266 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

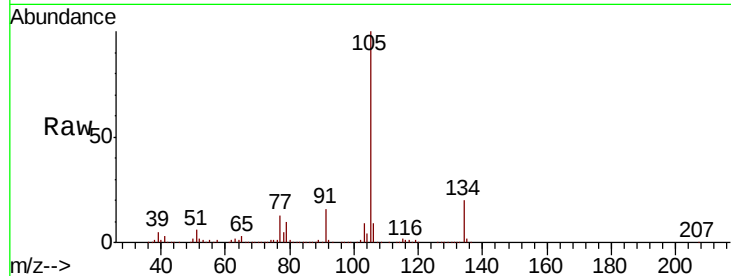
ClientSampleId :

Tot Ion:105 Resp: 688713

Ion Ratio Lower Upper

105 100

134 19.5 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

400000

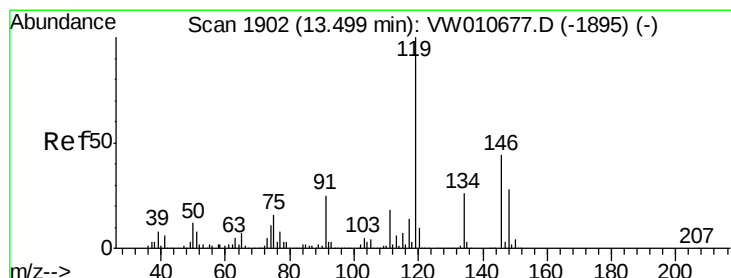
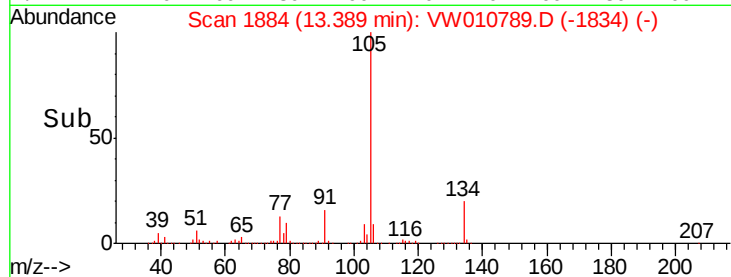
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 50.150 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

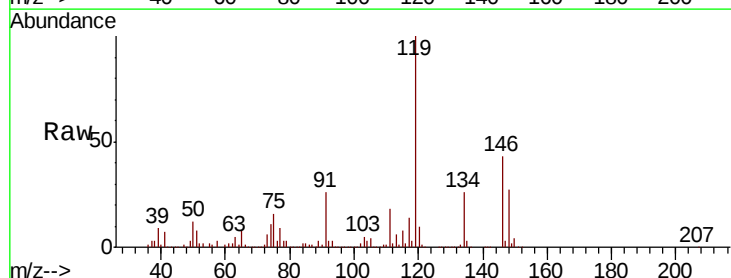
Tgt Ion:119 Resp: 614471

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

91 24.9 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

13.50

400000

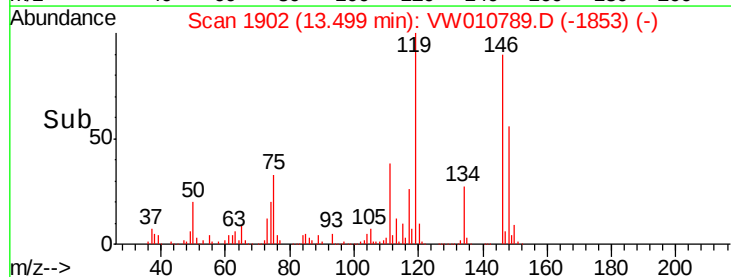
300000

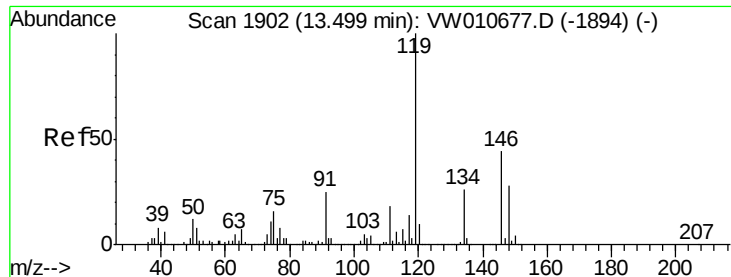
200000

100000

0

Time--> 13.45 13.55





#87

1,3-Dichlorobenzene

Concen: 48.873 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010789.D

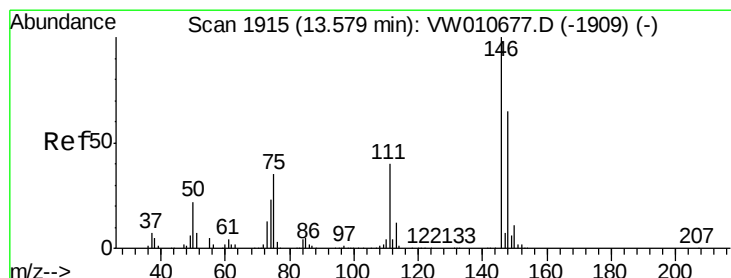
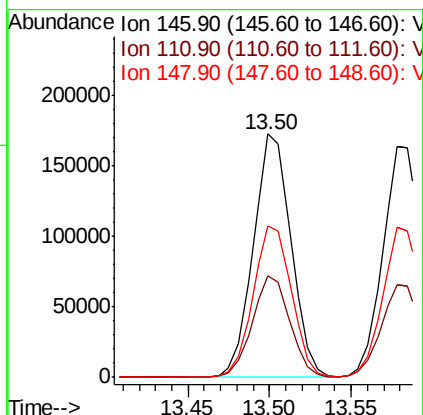
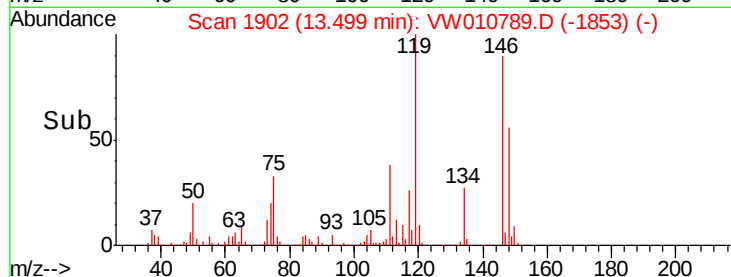
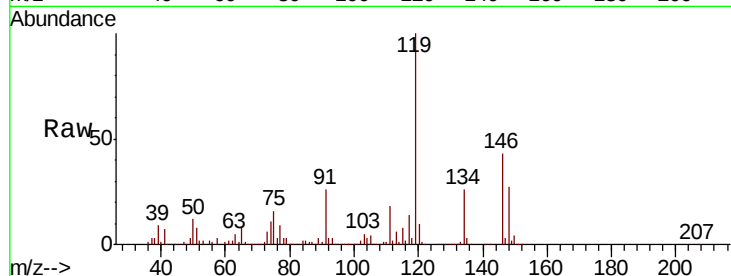
Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	146	Resp:	278707
Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.3
148	63.2	31.5	94.5



#88

1,4-Dichlorobenzene

Concen: 48.130 ug/l

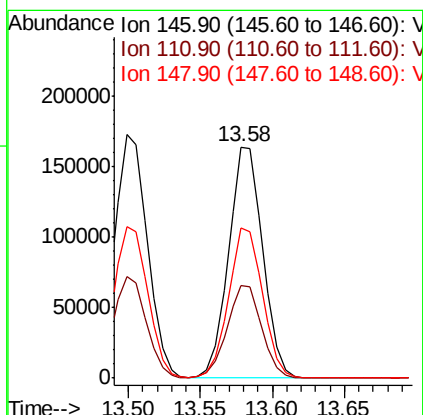
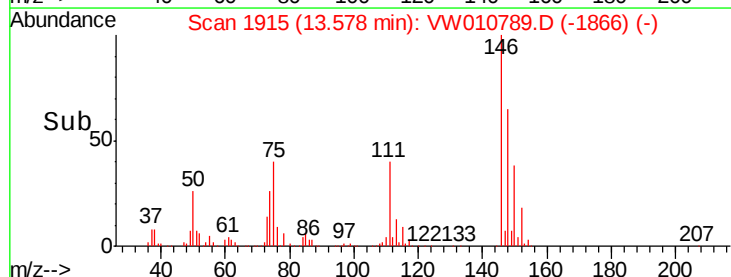
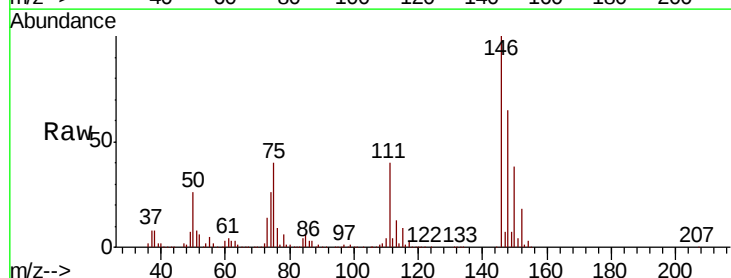
RT: 13.58 min Scan# 1915

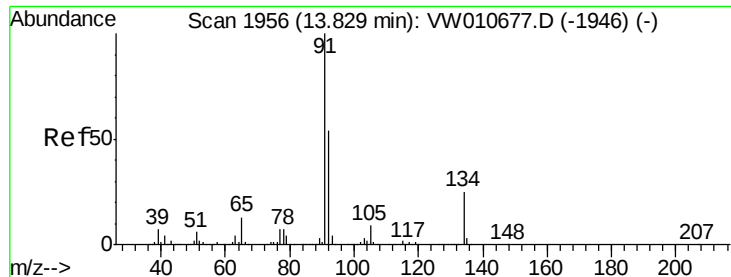
Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Tgt Ion:	146	Resp:	272106
Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	64.6	32.4	97.2





#89

n-Butylbenzene

Concen: 51.928 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampled :

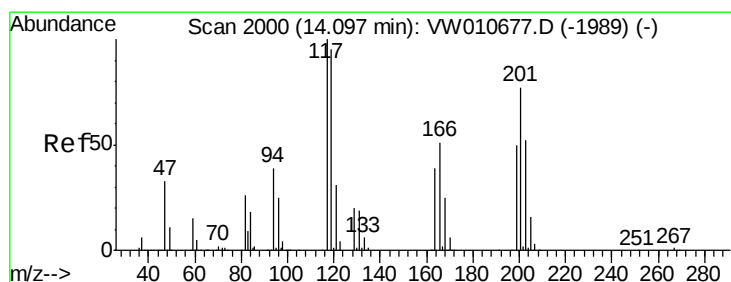
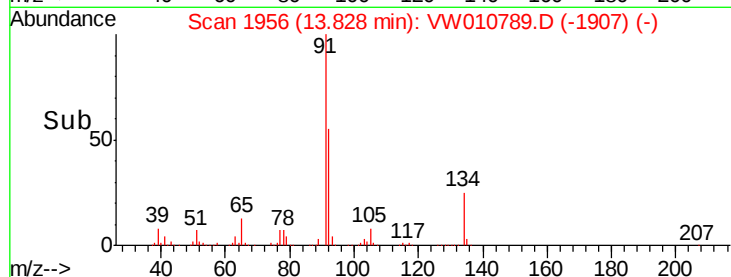
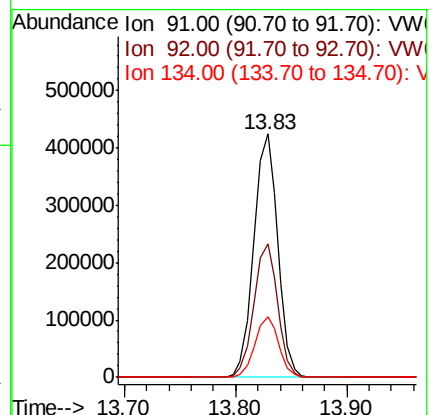
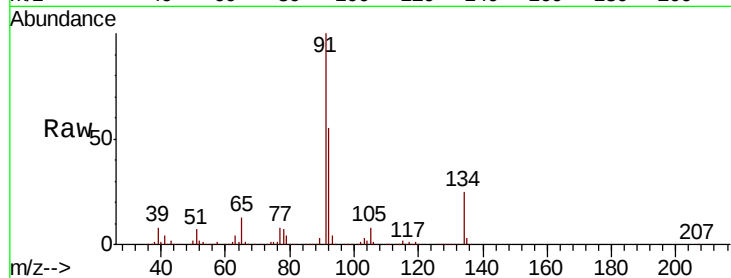
Tot Ion: 91 Resp: 634820

Ion Ratio Lower Upper

91 100

92 54.5 27.3 81.8

134 24.6 12.3 36.9



#90

Hexachloroethane

Concen: 51.574 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010789.D

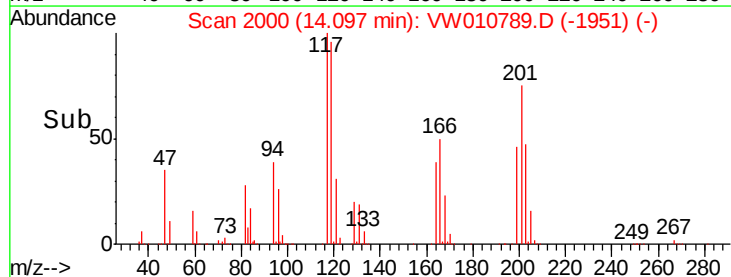
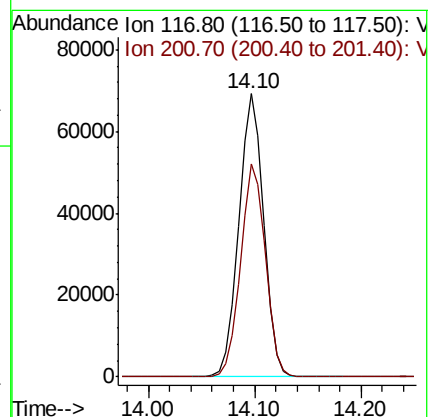
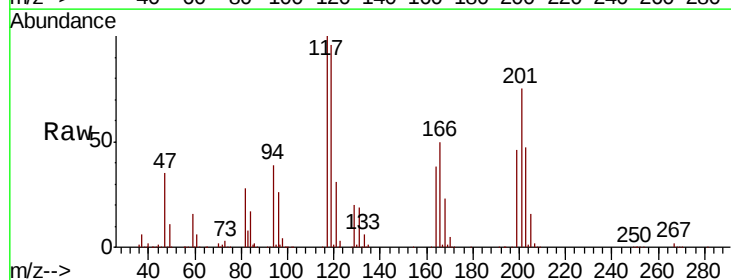
Acq: 13 Jun 2019 11:03

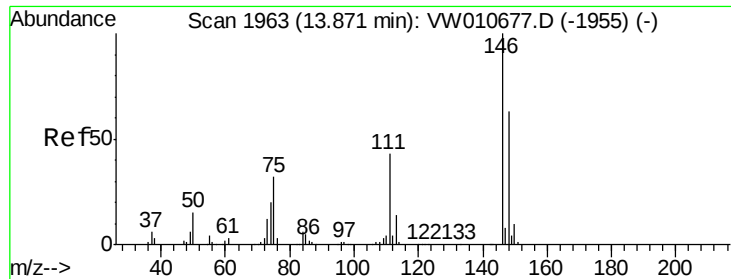
Tgt Ion: 117 Resp: 113167

Ion Ratio Lower Upper

117 100

201 75.4 38.8 116.4





#91

1,2-Dichlorobenzene

Concen: 47.647 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

Instrument :

MSVOA_W

ClientSampleId :

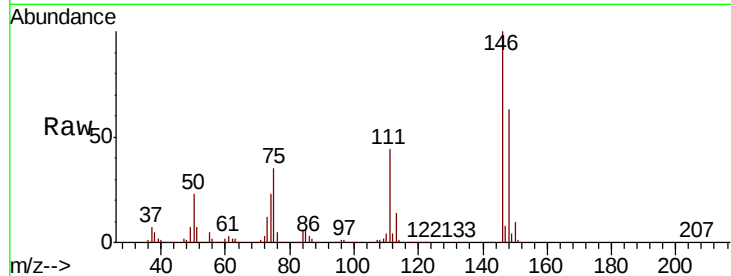
Tot Ion:146 Resp: 244352

Ion Ratio Lower Upper

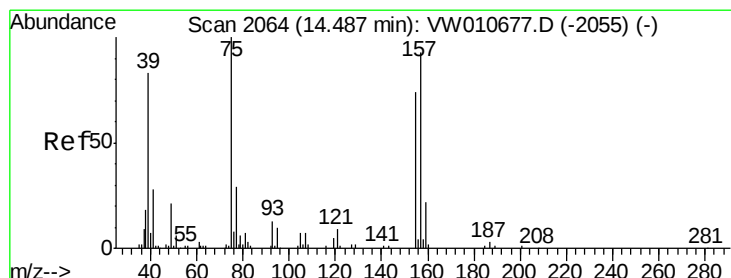
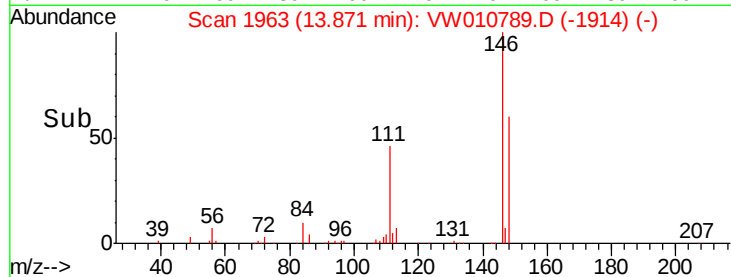
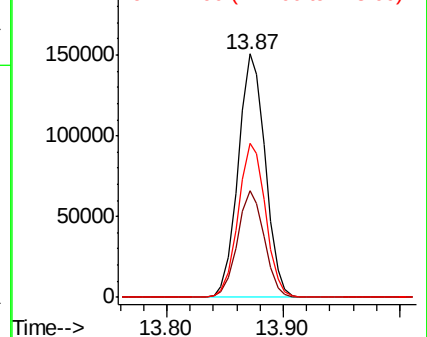
146 100

111 43.2 21.5 64.5

148 63.6 31.9 95.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.266 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW010789.D

Acq: 13 Jun 2019 11:03

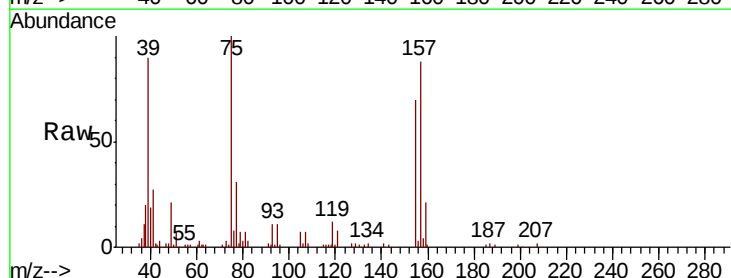
Tgt Ion: 75 Resp: 20047

Ion Ratio Lower Upper

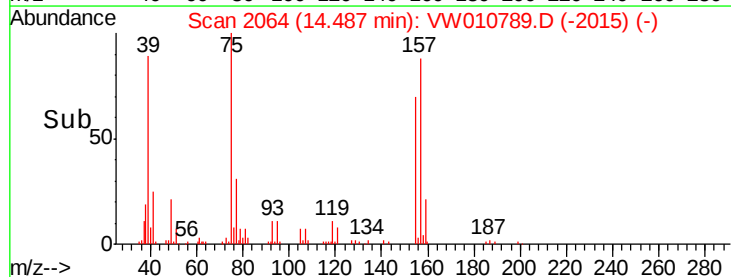
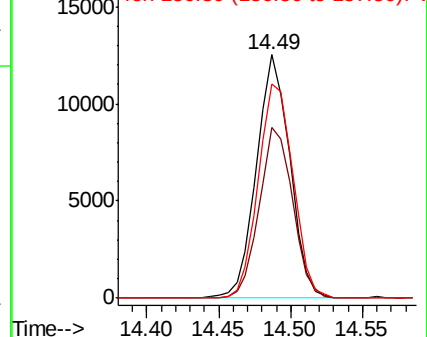
75 100

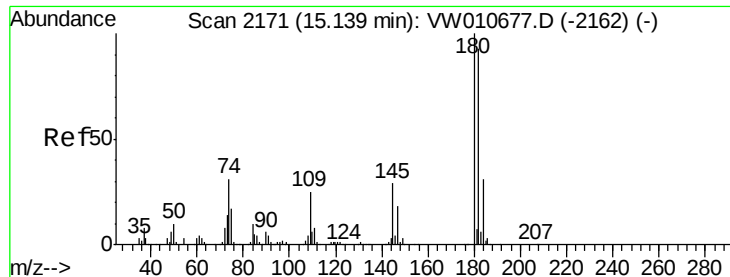
155 69.9 38.8 116.4

157 91.6 48.4 145.0



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

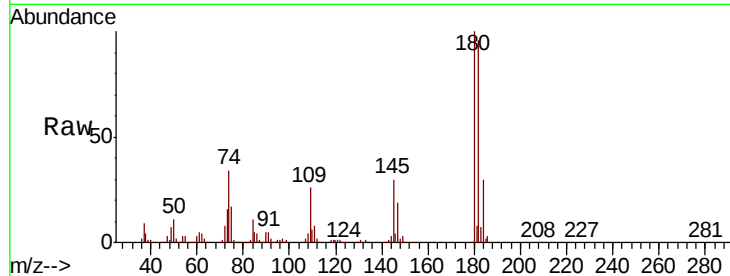




#93
 1,2,4-Trichlorobenzene
 Concen: 49.314 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	30.3	15.2	45.5

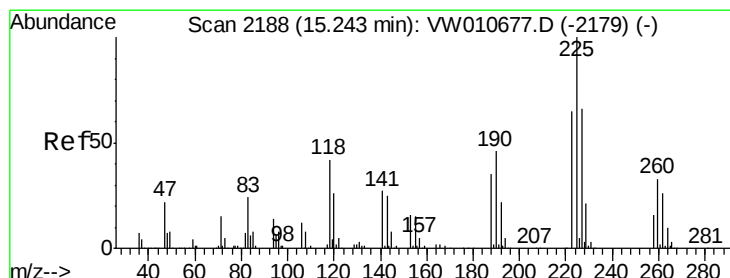
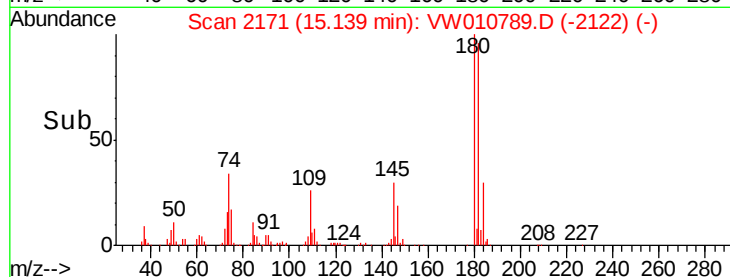
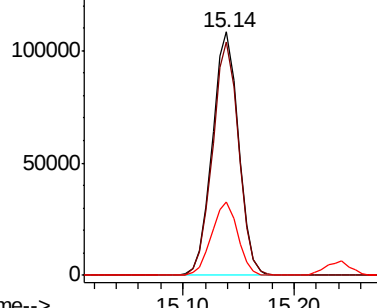


Abundance

Ion 179.80 (179.50 to 180.50): V

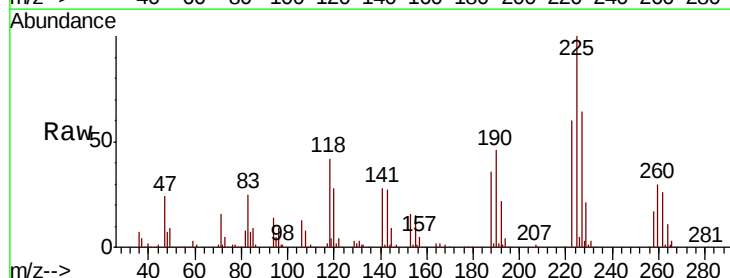
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.377 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010789.D
 Acq: 13 Jun 2019 11:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.2	96.6
227	62.4	32.0	96.0

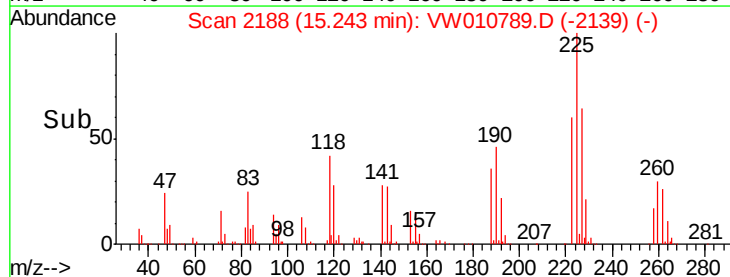
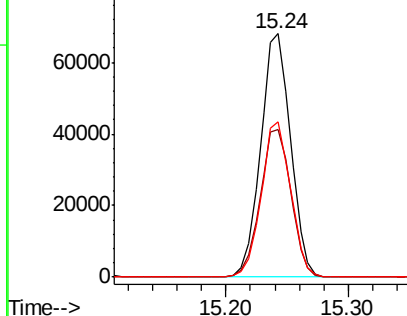


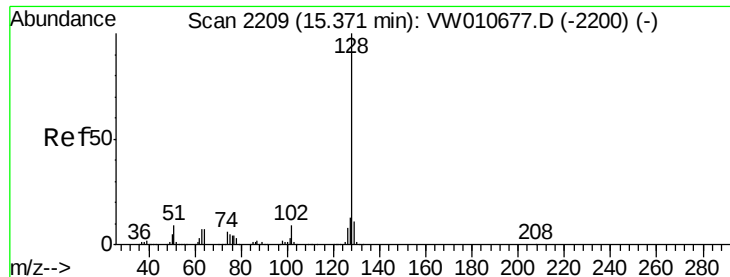
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

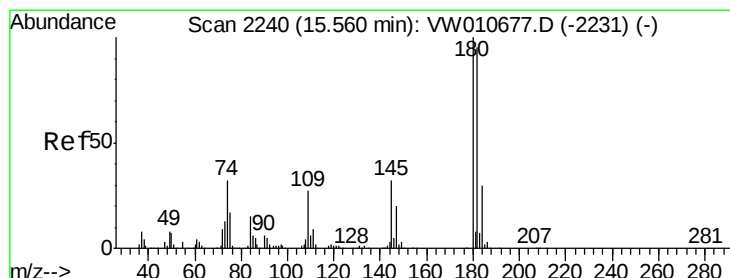
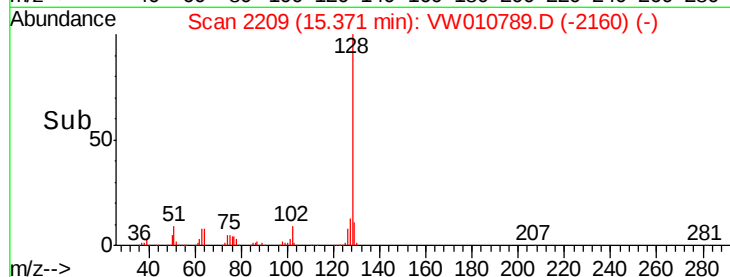
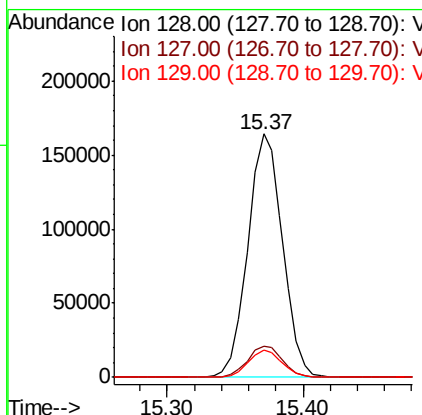
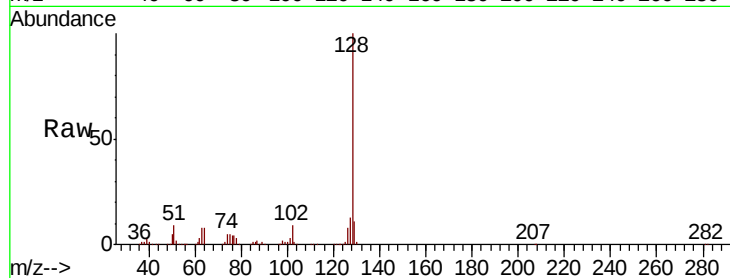




#95
Naphthalene
Concen: 44.872 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 293404
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.428 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010789.D
Acq: 13 Jun 2019 11:03

Tgt Ion:180 Resp: 148220
Ion Ratio Lower Upper
180 100
182 95.8 47.0 141.0
145 32.9 16.1 48.3

