

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010869.D
 Acq On : 20 Jun 2019 01:48
 Operator : SY/VA
 Sample : VW0619SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

Quant Time: Jun 20 05:51:25 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	229987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	399867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173929	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	154997	57.18	ug/l	0.00
Spiked Amount			Recovery	=	114.36%	
35) Dibromofluoromethane	7.88	113	114501	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.32	98	472208	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.62	95	177645	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	43717	20.570	ug/l	98
3) Chloromethane	2.21	50	70734	22.621	ug/l	100
4) Vinyl Chloride	2.35	62	59946	20.750	ug/l	97
5) Bromomethane	2.73	94	36250	22.849	ug/l	93
6) Chloroethane	2.90	64	37189	21.446	ug/l	97
7) Trichlorofluoromethane	3.25	101	80742	21.530	ug/l	95
8) Diethyl Ether	3.68	74	31084	23.194	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49287	21.377	ug/l	98
10) Methyl Iodide	4.27	142	35968	18.489	ug/l	98
11) Tert butyl alcohol	5.16	59	42884	194.184	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	48354	21.741	ug/l	96
13) Acrolein	3.90	56	5630	62.387	ug/l	92
14) Allyl chloride	4.67	41	112425	22.925	ug/l	98
15) Acrylonitrile	5.37	53	82970	127.433	ug/l	98
16) Acetone	4.12	43	81510	112.218	ug/l	99
17) Carbon Disulfide	4.37	76	139059	19.696	ug/l	97
18) Methyl Acetate	4.67	43	52265	33.427	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	155451	24.233	ug/l	96
20) Methylene Chloride	4.92	84	58871	23.104	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56275	22.288	ug/l	95
22) Diisopropyl ether	6.31	45	240643	24.510	ug/l	97
23) Vinyl Acetate	6.26	43	653137	110.231	ug/l	99
24) 1,1-Dichloroethane	6.21	63	117681	23.918	ug/l	100
25) 2-Butanone	7.17	43	129991	129.064	ug/l	96
26) 2,2-Dichloropropane	7.17	77	83660	20.895	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	64767	23.309	ug/l	96
28) Bromochloromethane	7.51	49	52491	23.905	ug/l	95
29) Tetrahydrofuran	7.53	42	81933	129.331	ug/l	99
30) Chloroform	7.68	83	108542	24.118	ug/l	100
31) Cyclohexane	7.95	56	116166	21.239	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	89457	22.755	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85845	20.973	ug/l	100
37) Ethyl Acetate	7.25	43	54039	23.825	ug/l	99
38) Carbon Tetrachloride	8.07	117	74222	21.006	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102512	19.702	ug/l	95
40) Benzene	8.32	78	247993	22.209	ug/l	100
41) Methacrylonitrile	7.48	41	32022	23.752	ug/l	97
42) 1,2-Dichloroethane	8.40	62	84145	23.743	ug/l	98
43) Isopropyl Acetate	8.43	43	104828	23.923	ug/l	98
44) Trichloroethene	9.09	130	59462	21.588	ug/l	98
45) 1,2-Dichloropropane	9.37	63	67135	22.713	ug/l	98
46) Dibromomethane	9.46	93	31926	23.254	ug/l	97
47) Bromodichloromethane	9.65	83	79467	22.330	ug/l	95
48) Methyl methacrylate	9.44	41	51133	24.202	ug/l	96
49) 1,4-Dioxane	9.45	88	10674	497.279	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	276116	123.343	ug/l	100
52) Toluene	10.39	92	150765	21.944	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	78256	20.760	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	95167	21.455	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45964	23.240	ug/l	97
56) Ethyl methacrylate	10.65	69	69429	22.813	ug/l	96
57) 1,3-Dichloropropane	10.93	76	86248	23.140	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	186913	117.258	ug/l	99
59) 2-Hexanone	10.97	43	189585	117.180	ug/l	98
60) Dibromochloromethane	11.13	129	46464	21.193	ug/l	97
61) 1,2-Dibromoethane	11.24	107	43610	23.272	ug/l	98
64) Tetrachloroethene	10.86	164	62312	25.960	ug/l	98
65) Chlorobenzene	11.66	112	153329	21.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	53258	21.641	ug/l	99
67) Ethyl Benzene	11.73	91	289372	21.179	ug/l	100
68) m/p-Xylenes	11.84	106	207783	42.483	ug/l	97
69) o-Xylene	12.16	106	100560	21.679	ug/l	98
70) Styrene	12.18	104	172942	21.462	ug/l	99
71) Bromoform	12.35	173	26433	20.768	ug/l #	99
73) Isopropylbenzene	12.46	105	271949	20.807	ug/l	99
74) N-amyl acetate	12.27	43	95880	22.698	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	55466	22.292	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	72807	39.862	ug/l #	100
77) Bromobenzene	12.75	156	61616	21.597	ug/l	97
78) n-propylbenzene	12.80	91	329781	20.925	ug/l	99
79) 2-Chlorotoluene	12.90	91	195985	21.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	227843	21.298	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15097	18.997	ug/l	93
82) 4-Chlorotoluene	12.99	91	201139	21.647	ug/l	99
83) tert-Butylbenzene	13.21	119	194244	21.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	230438	21.405	ug/l	98
85) sec-Butylbenzene	13.38	105	273336	20.677	ug/l	100
86) p-Isopropyltoluene	13.50	119	243452	20.594	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	118632	21.562	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	118209	21.672	ug/l	98
89) n-Butylbenzene	13.83	91	240654	20.404	ug/l	99
90) Hexachloroethane	14.10	117	42974	20.300	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	108923	22.014	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9782	22.894	ug/l	94

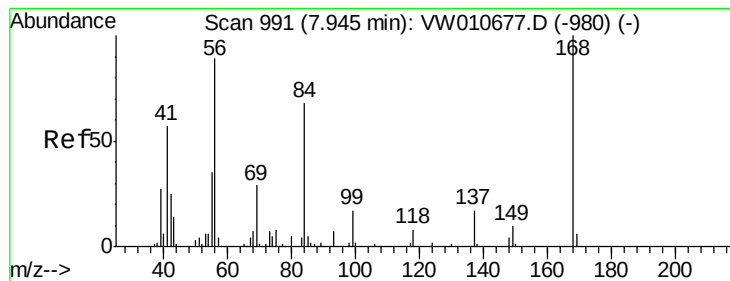
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75054	21.616	ug/l	99
94) Hexachlorobutadiene	15.24	225	45570	20.912	ug/l	98
95) Naphthalene	15.37	128	138302	21.923	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	66228	22.428	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

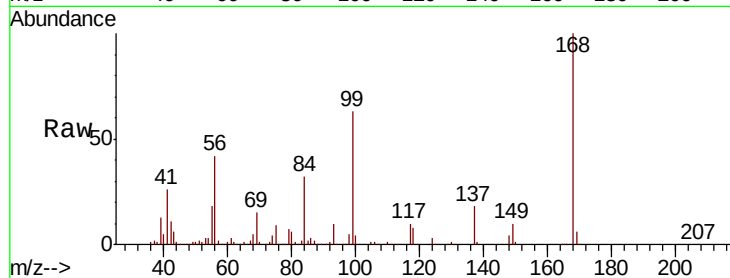
VW0619SBS02

Tot Ion:168 Resp: 229987

Ion Ratio Lower Upper

168 100

99 62.7 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

120000

100000

80000

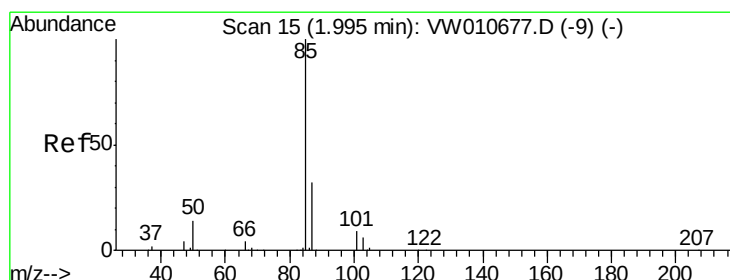
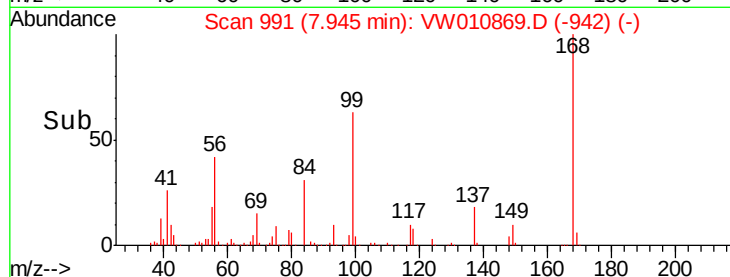
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.570 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010869.D

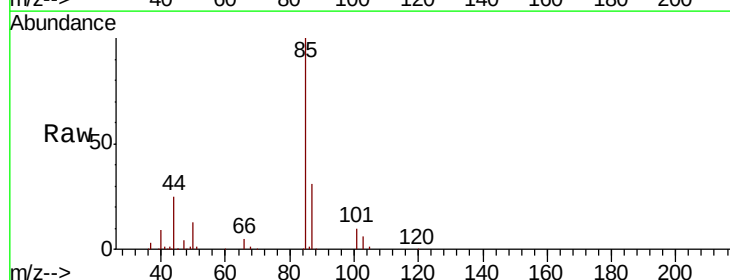
Acq: 20 Jun 2019 01:48

Tgt Ion: 85 Resp: 43717

Ion Ratio Lower Upper

85 100

87 31.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

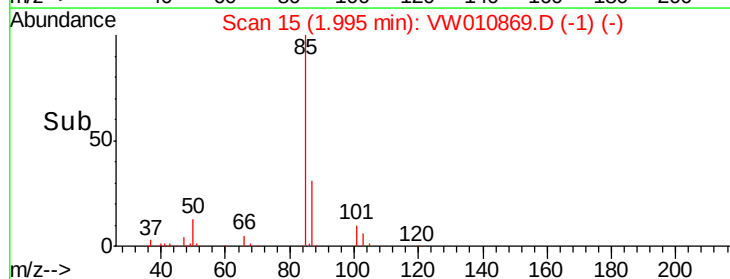
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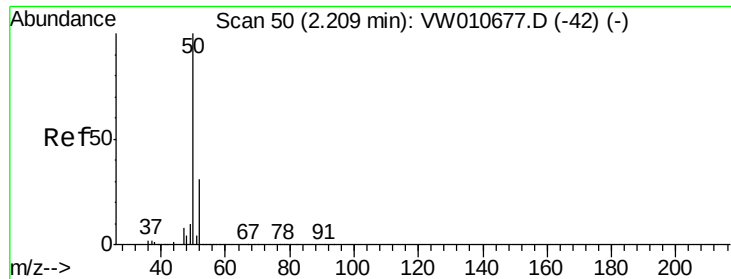
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.621 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

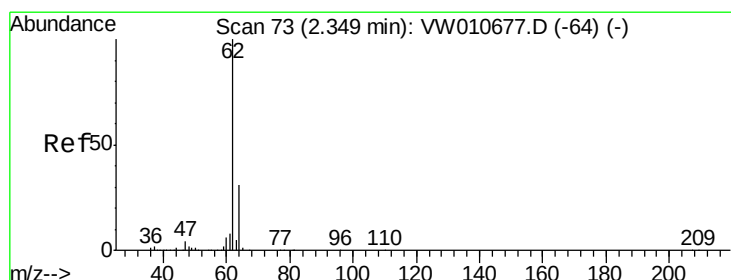
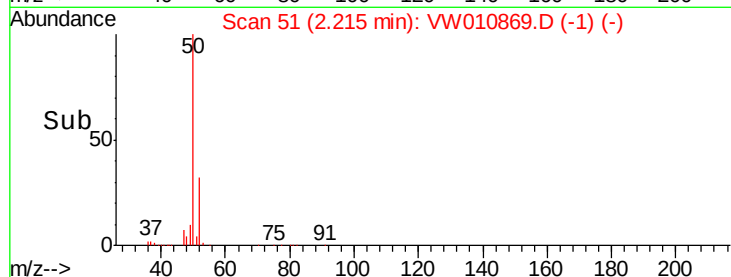
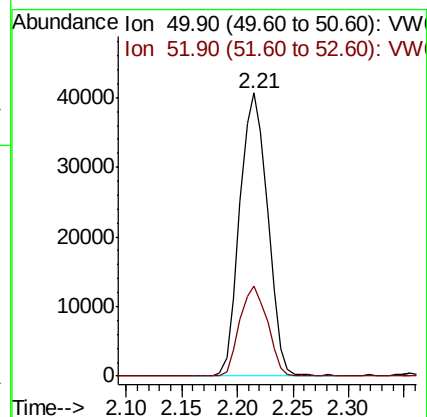
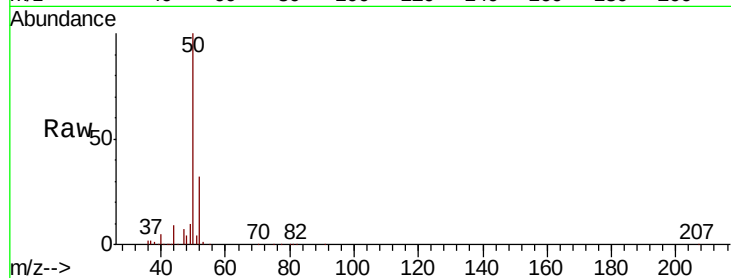
VW0619SBSD02

Tot Ion: 50 Resp: 70734

Ion Ratio Lower Upper

50 100

52 31.7 25.2 37.8



#4

Vinyl Chloride

Concen: 20.750 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010869.D

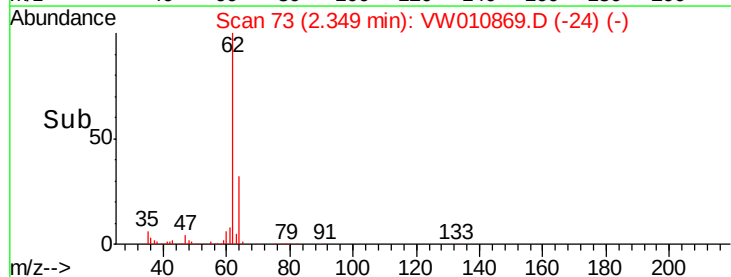
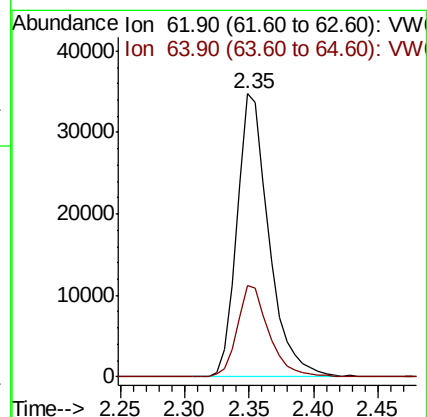
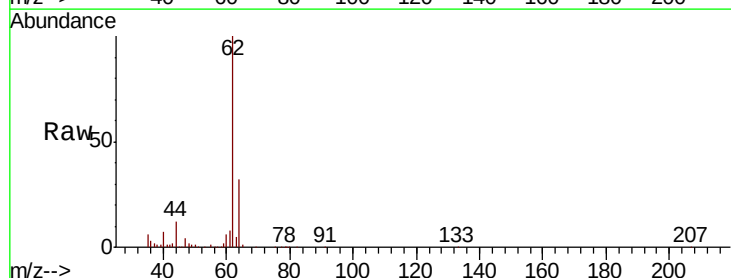
Acq: 20 Jun 2019 01:48

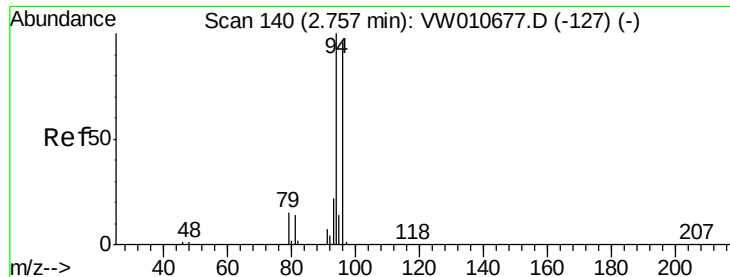
Tgt Ion: 62 Resp: 59946

Ion Ratio Lower Upper

62 100

64 32.1 24.5 36.7





#5

Bromomethane

Concen: 22.849 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.02 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

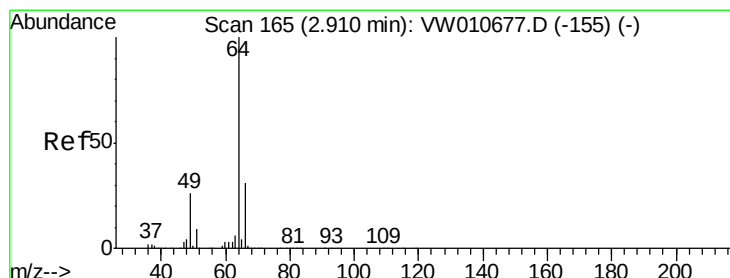
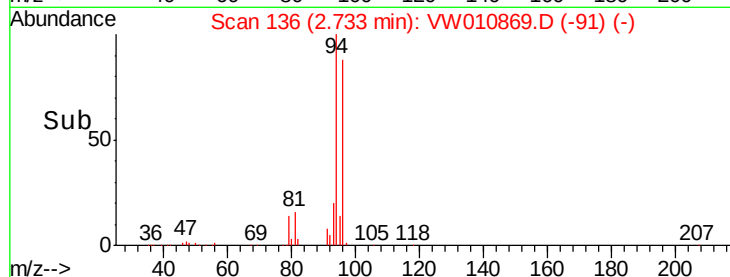
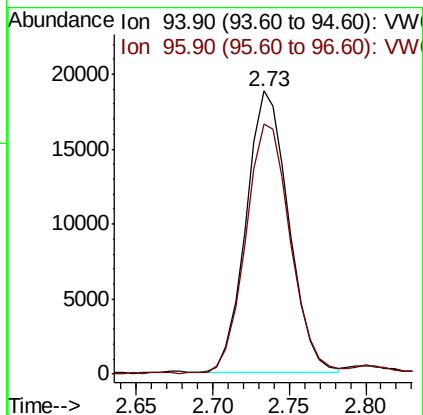
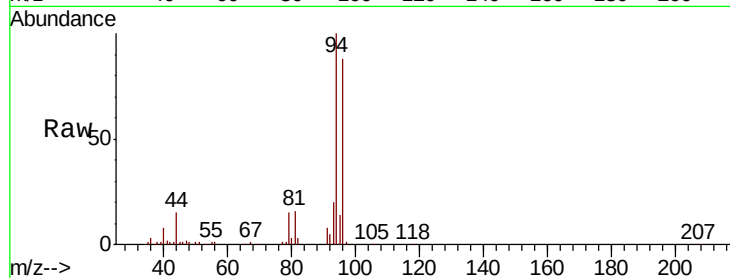
VW0619SBSD02

Tot Ion: 94 Resp: 36250

Ion Ratio Lower Upper

94 100

96 88.6 76.5 114.7



#6

Chloroethane

Concen: 21.446 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010869.D

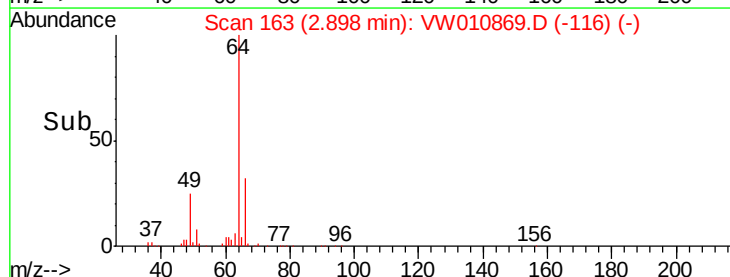
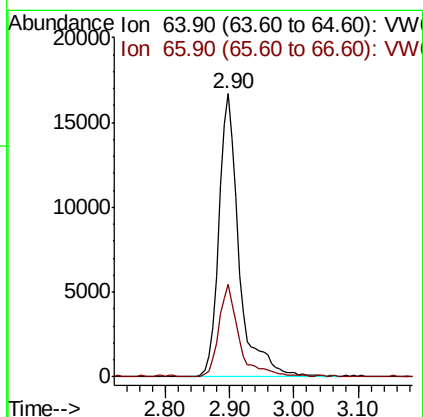
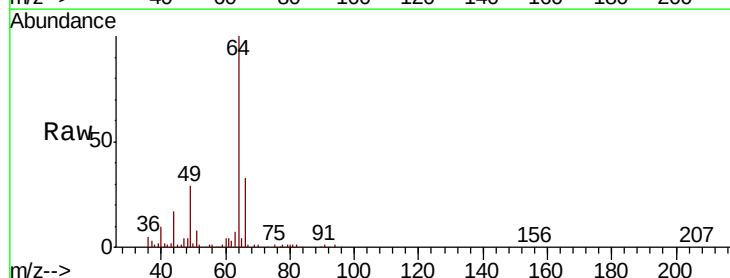
Acq: 20 Jun 2019 01:48

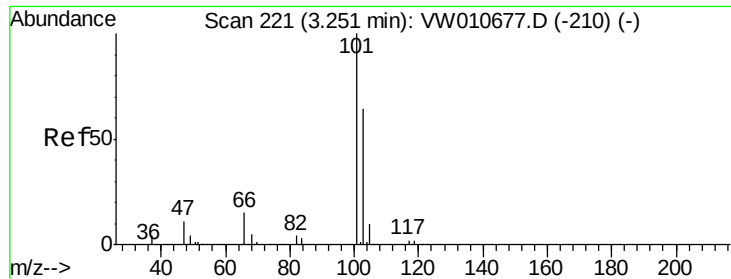
Tgt Ion: 64 Resp: 37189

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



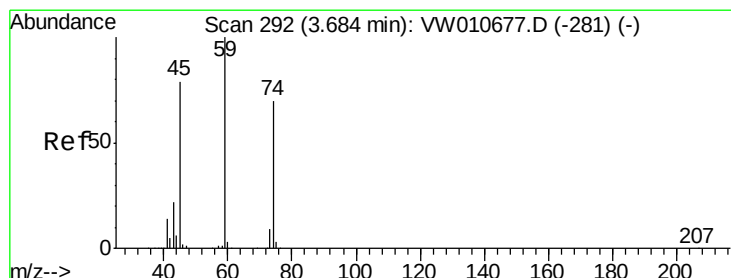
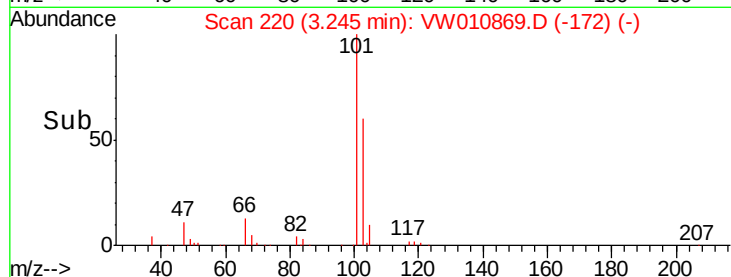
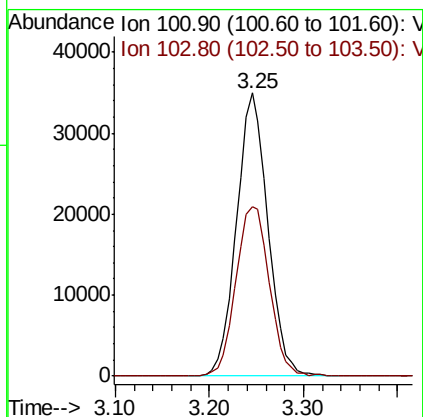
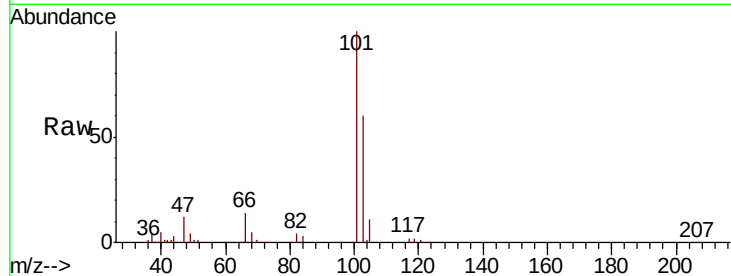


#7

Trichlorofluoromethane
 Concen: 21.530 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

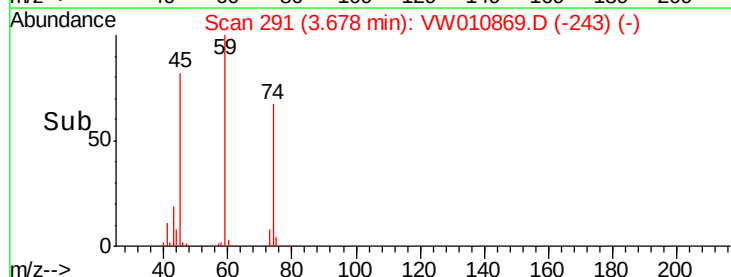
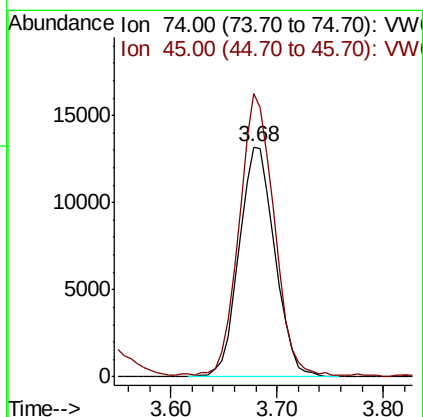
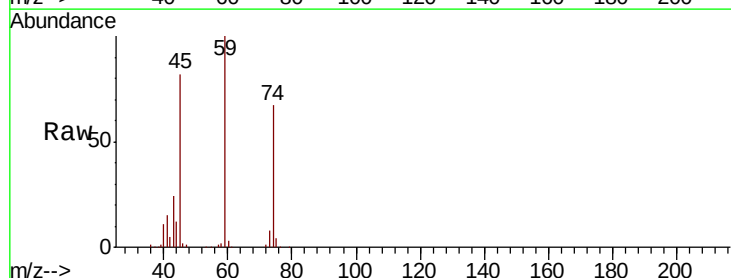
Tot Ion:101 Resp: 80742
 Ion Ratio Lower Upper
 101 100
 103 59.7 51.2 76.8

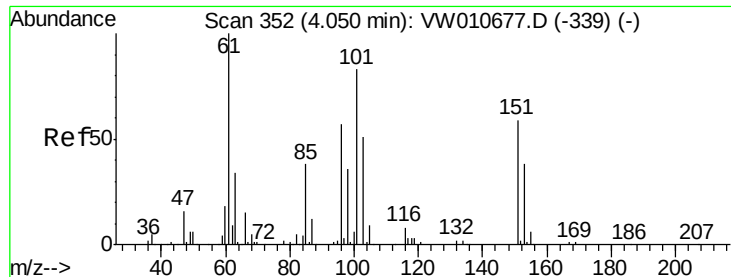


#8

Diethyl Ether
 Concen: 23.194 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 74 Resp: 31084
 Ion Ratio Lower Upper
 74 100
 45 119.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.377 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

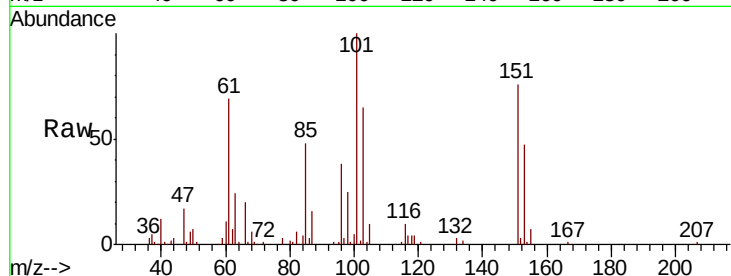
Tot Ion:101 Resp: 49287

Ion Ratio Lower Upper

101 100

85 46.5 35.8 53.8

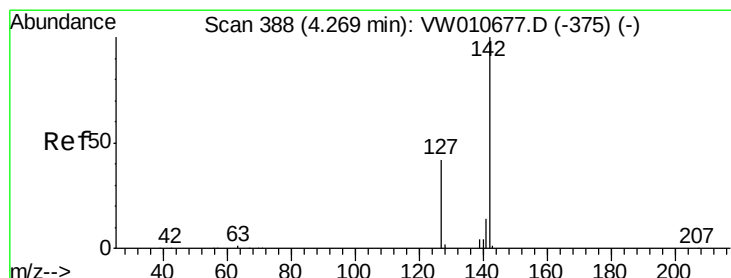
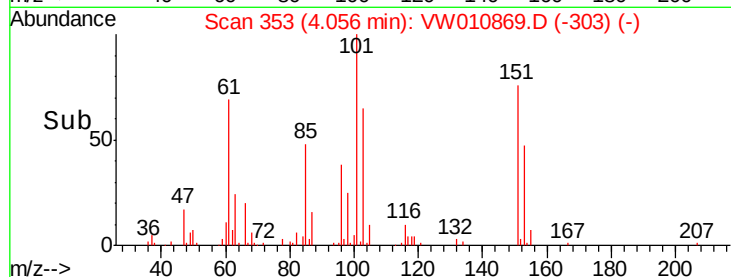
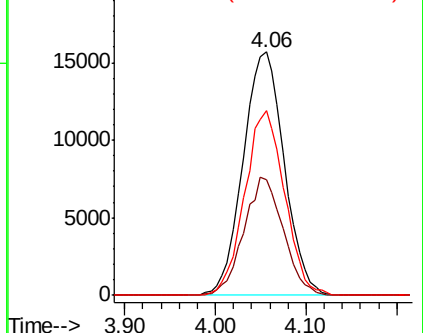
151 73.5 58.1 87.1



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: 18.489 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

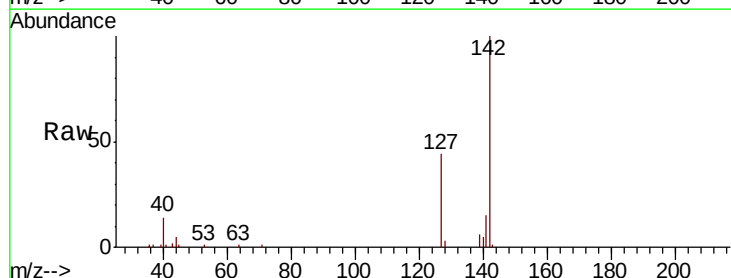
Tgt Ion:142 Resp: 35968

Ion Ratio Lower Upper

142 100

127 44.8 34.6 51.8

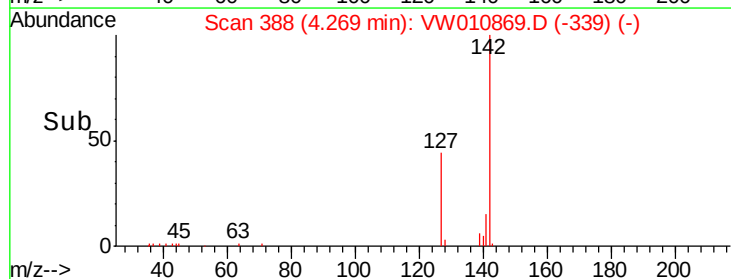
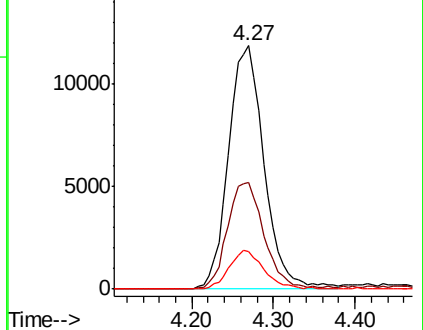
141 15.1 11.6 17.4

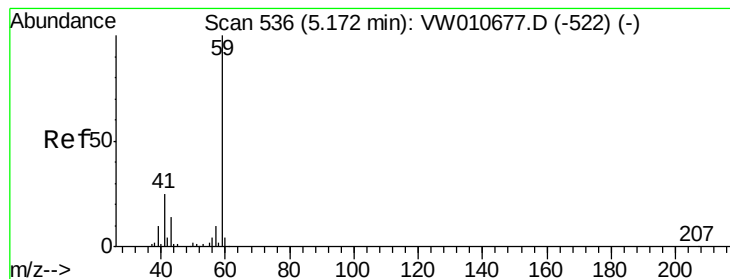


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



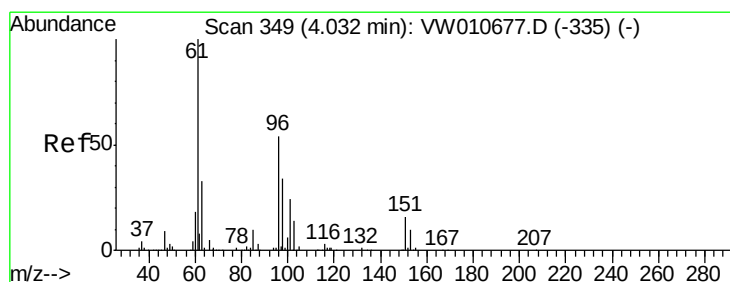
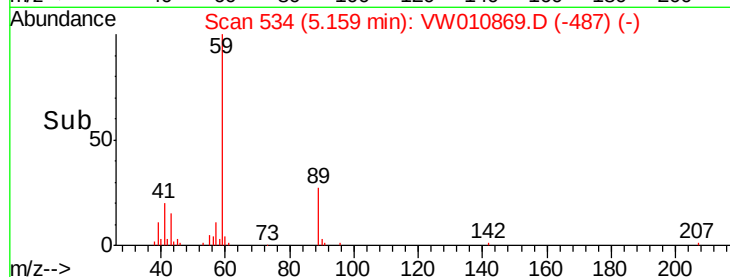
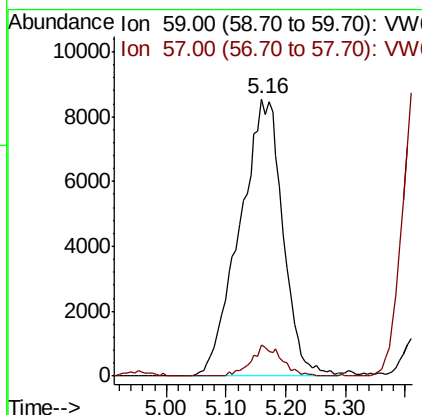
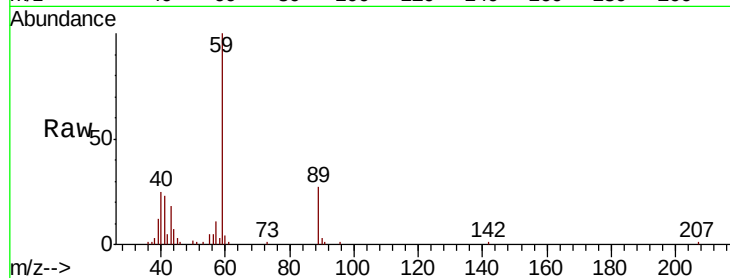


#11

Tert butyl alcohol
 Concen: 194.184 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0619SBSD02

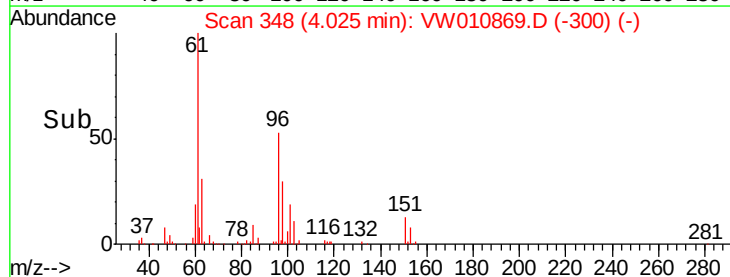
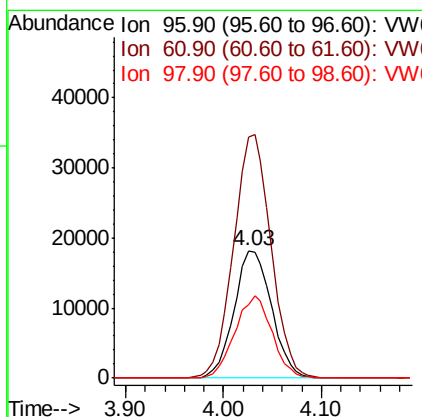
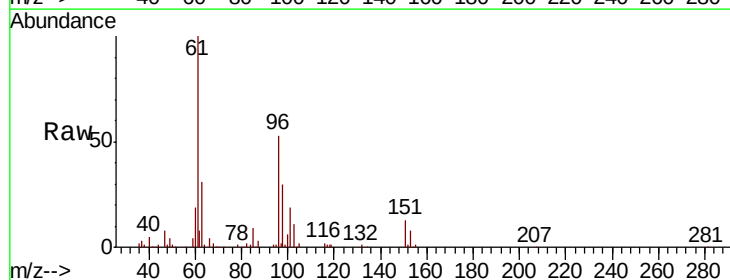
Tot Ion: 59 Resp: 42884
 Ion Ratio Lower Upper
 59 100
 57 7.9 8.6 12.8#

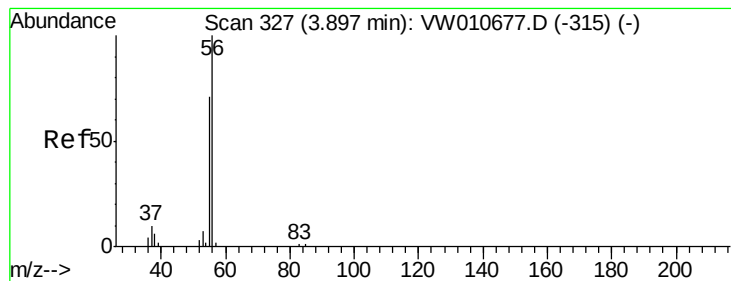


#12

1,1-Dichloroethene
 Concen: 21.741 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 96 Resp: 48354
 Ion Ratio Lower Upper
 96 100
 61 189.2 149.1 223.7
 98 57.3 51.1 76.7





#13

Acrolein

Concen: 62.387 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

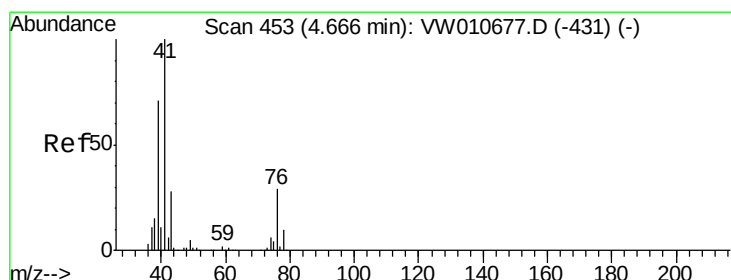
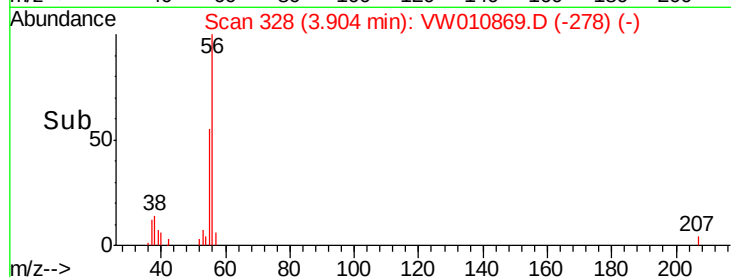
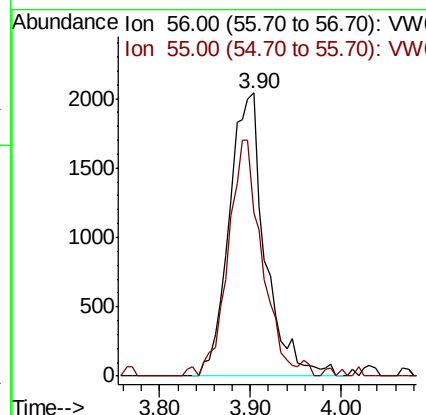
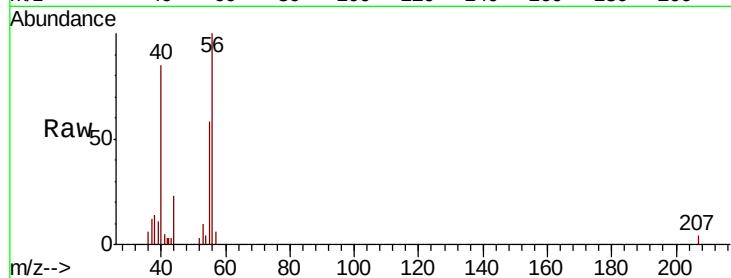
VW0619SBS02

Tot Ion: 56 Resp: 5630

Ion Ratio Lower Upper

56 100

55 78.3 57.6 86.4



#14

Allyl chloride

Concen: 22.925 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

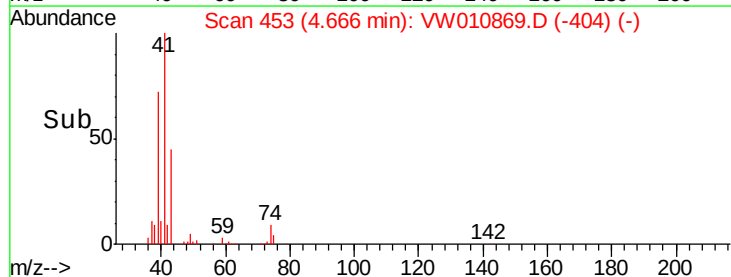
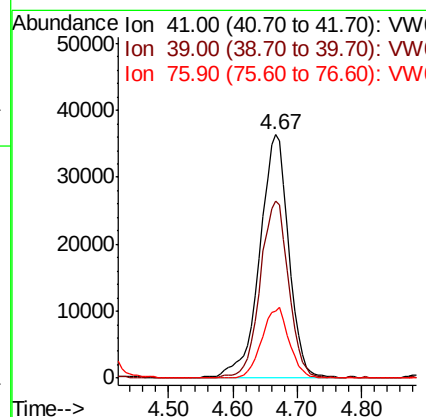
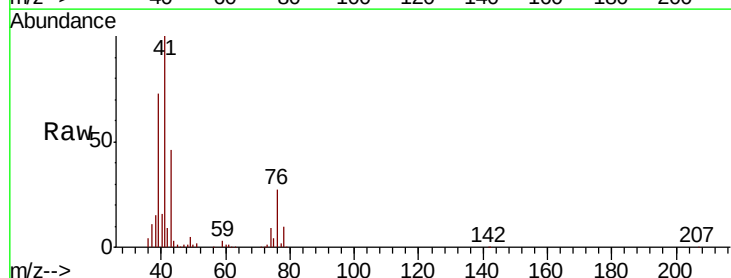
Tgt Ion: 41 Resp: 112425

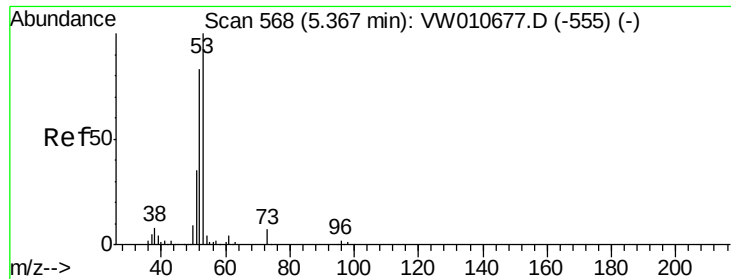
Ion Ratio Lower Upper

41 100

39 70.8 55.8 83.6

76 27.1 22.7 34.1





#15

Acrylonitrile

Concen: 127.433 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

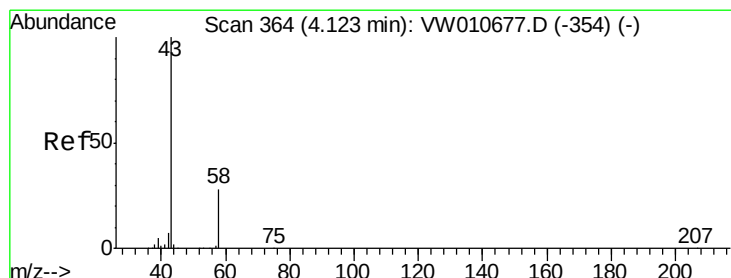
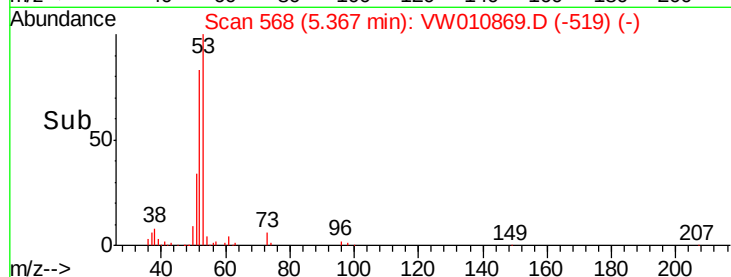
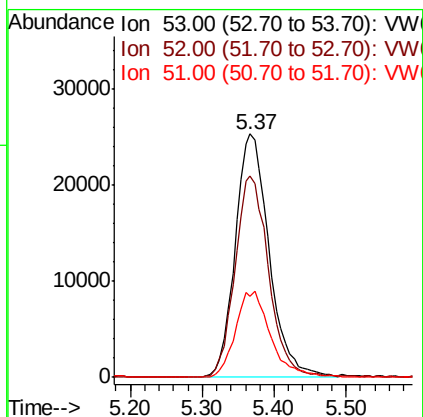
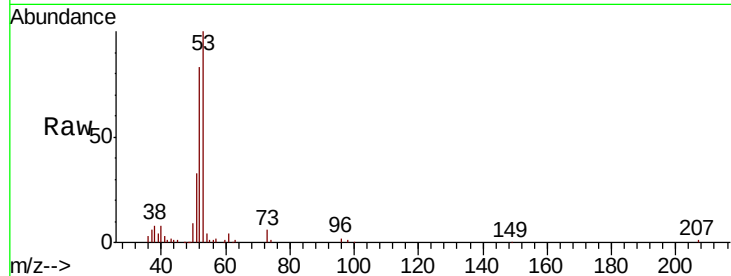
Tot Ion: 53 Resp: 82970

Ion Ratio Lower Upper

53 100

52 81.6 66.6 100.0

51 36.7 29.8 44.8



#16

Acetone

Concen: 112.218 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010869.D

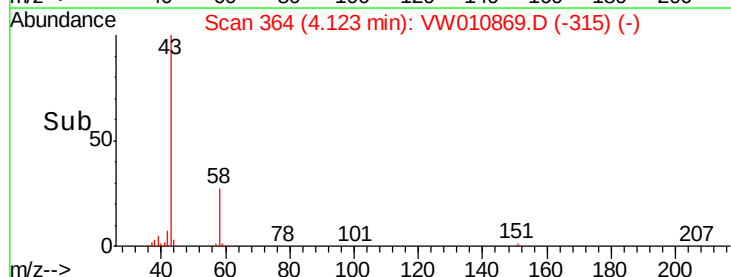
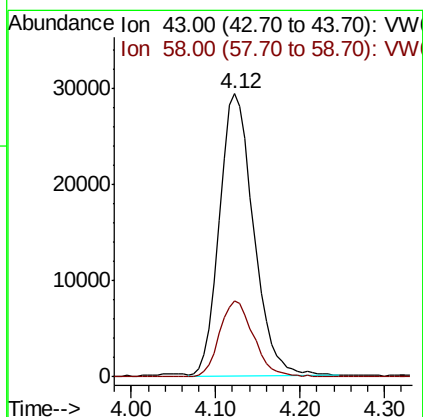
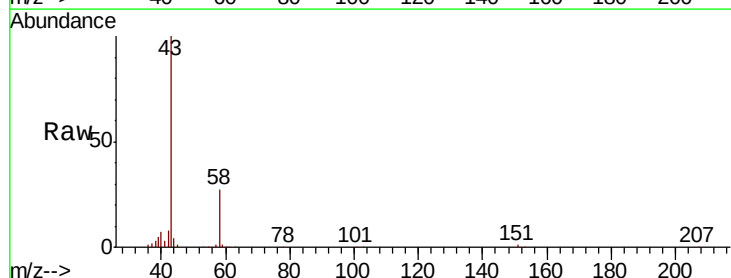
Acq: 20 Jun 2019 01:48

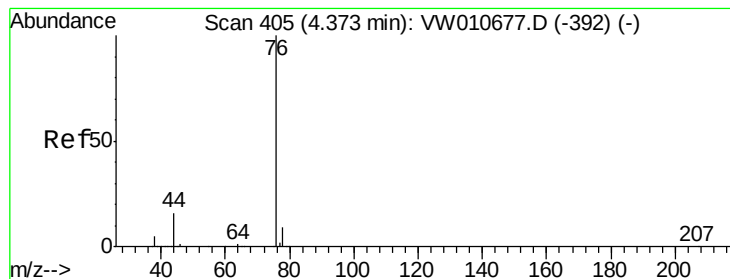
Tgt Ion: 43 Resp: 81510

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1





#17

Carbon Disulfide

Concen: 19.696 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

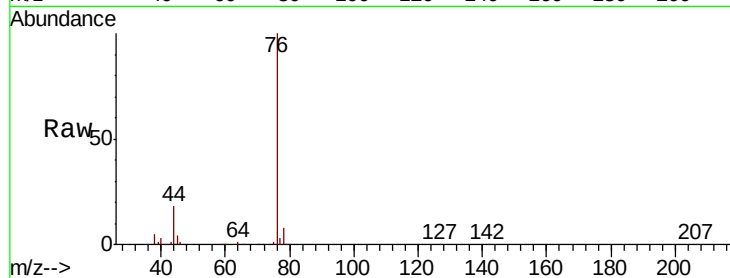
VW0619SBSD02

Tot Ion: 76 Resp: 139059

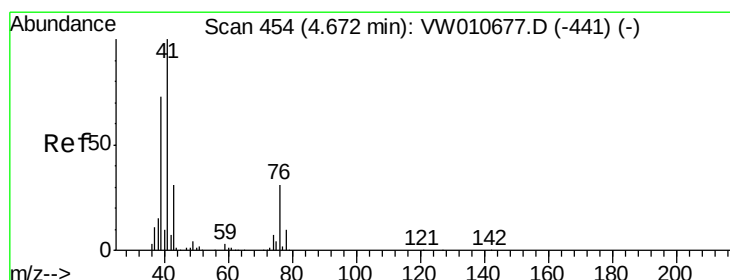
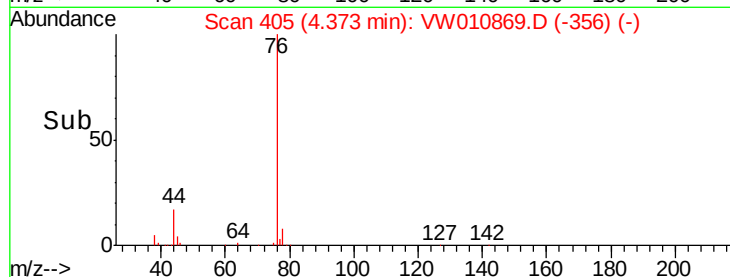
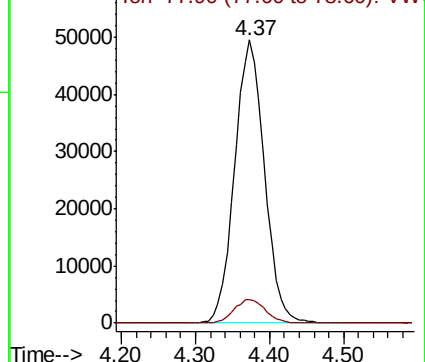
Ion Ratio Lower Upper

76 100

78 8.3 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: 33.427 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW010869.D

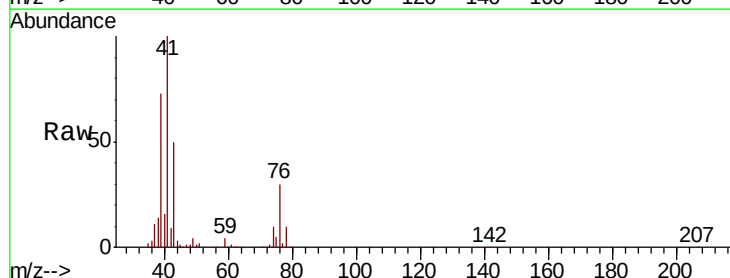
Acq: 20 Jun 2019 01:48

Tgt Ion: 43 Resp: 52265

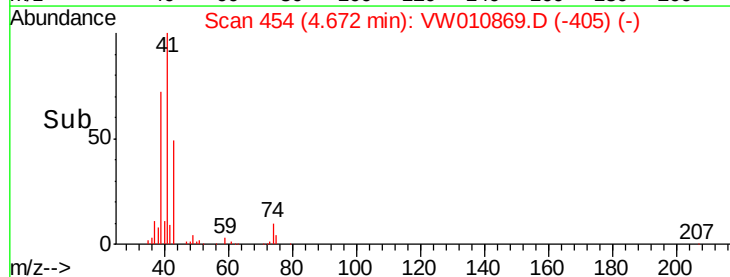
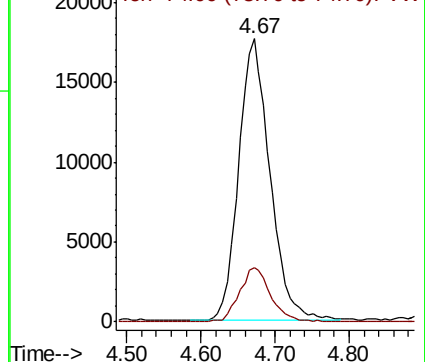
Ion Ratio Lower Upper

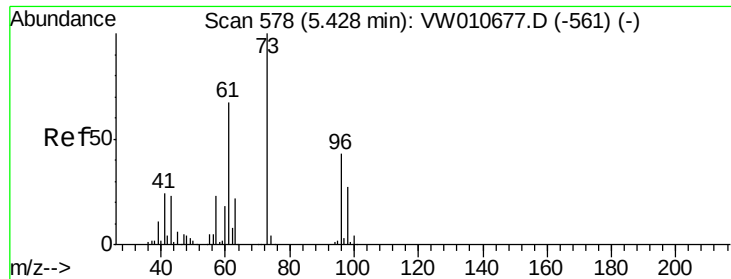
43 100

74 19.0 16.7 25.1



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

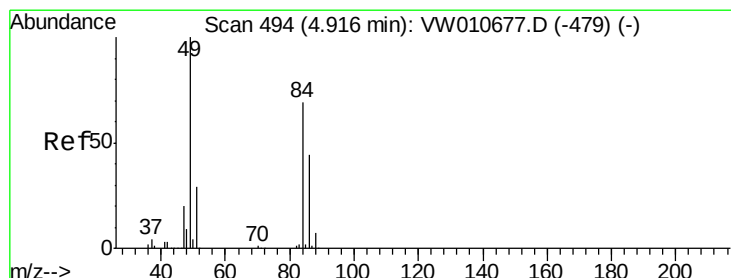
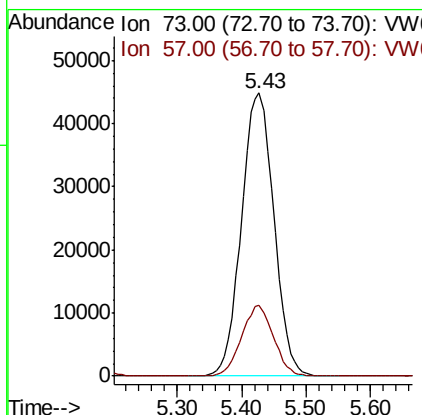
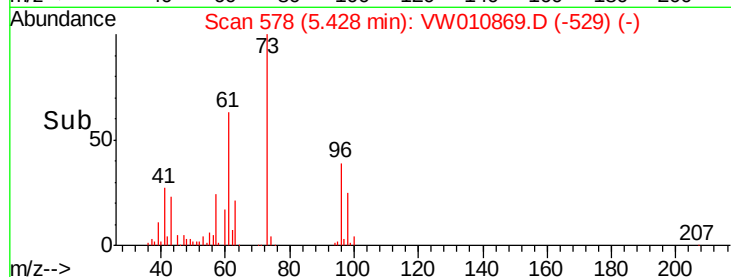
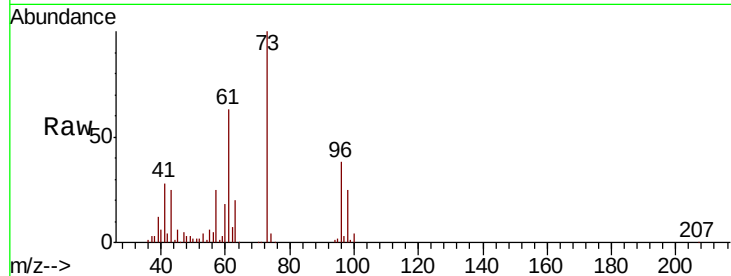




#19
Methyl tert-butyl Ether
Concen: 24.233 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

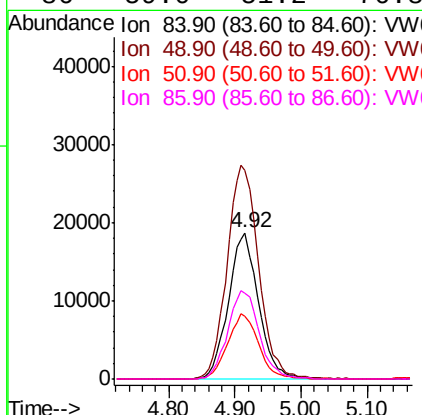
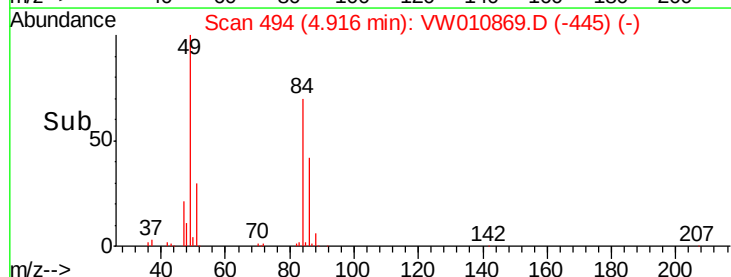
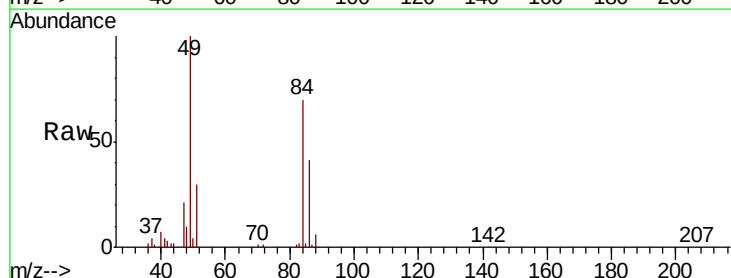
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

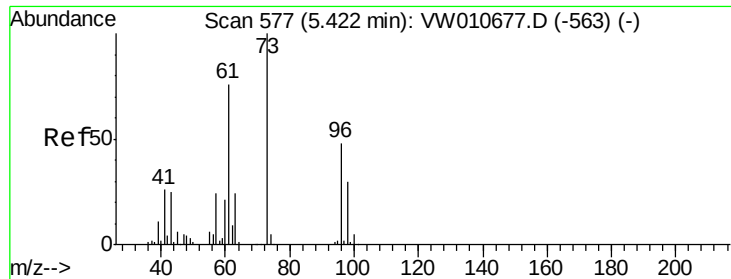
Tot Ion: 73 Resp: 155451
Ion Ratio Lower Upper
73 100
57 24.9 18.6 27.8



#20
Methylene Chloride
Concen: 23.104 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion: 84 Resp: 58871
Ion Ratio Lower Upper
84 100
49 142.6 116.7 175.1
51 42.6 34.2 51.2
86 59.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 22.288 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

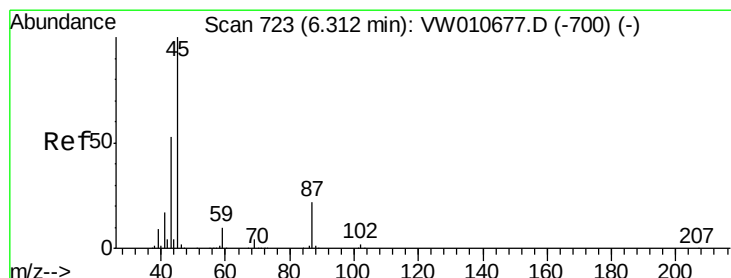
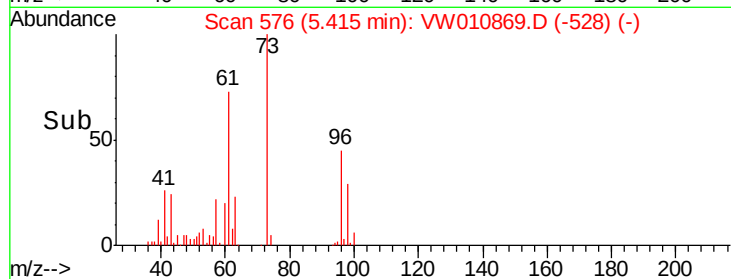
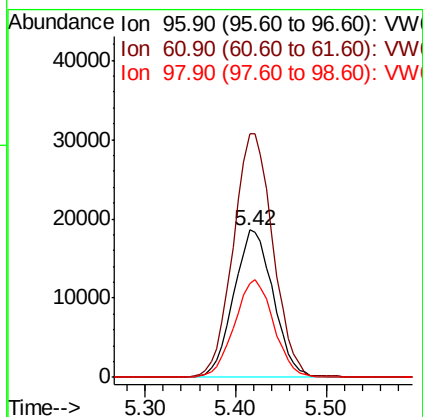
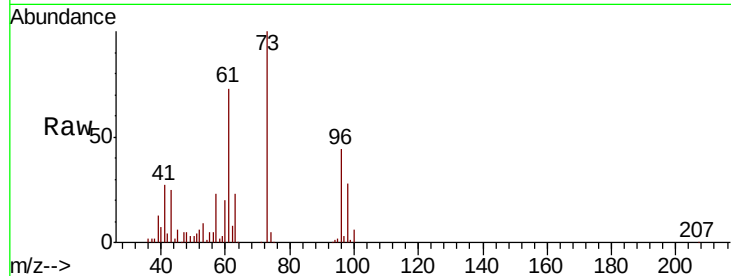
Tot Ion: 96 Resp: 56275

Ion Ratio Lower Upper

96 100

61 164.9 126.0 189.0

98 64.1 49.6 74.4



#22

Diisopropyl ether

Concen: 24.510 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Tgt Ion: 45 Resp: 240643

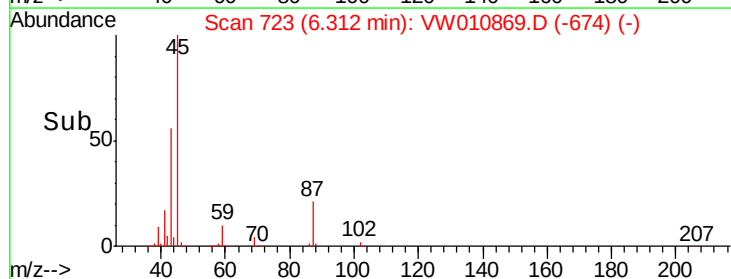
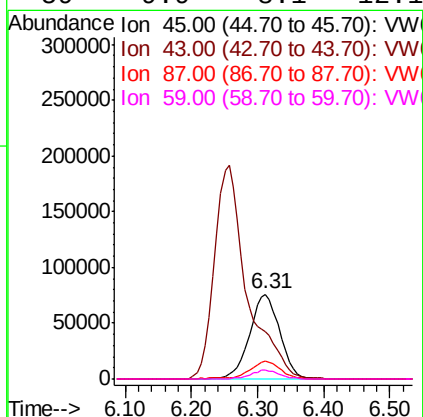
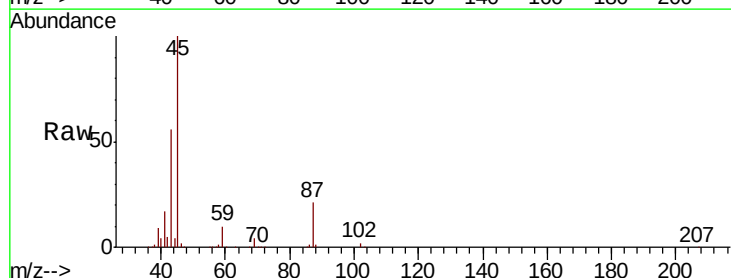
Ion Ratio Lower Upper

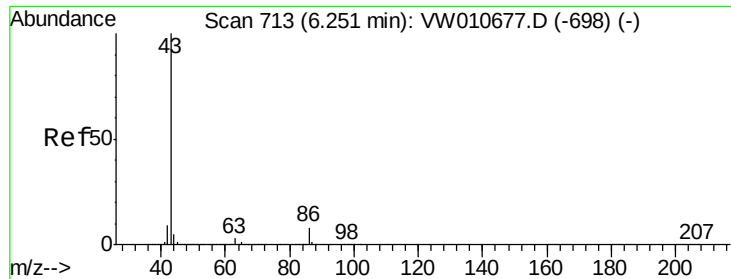
45 100

43 55.8 42.5 63.7

87 21.5 17.4 26.2

59 9.9 8.1 12.1





#23

Vinyl Acetate

Concen: 110.231 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

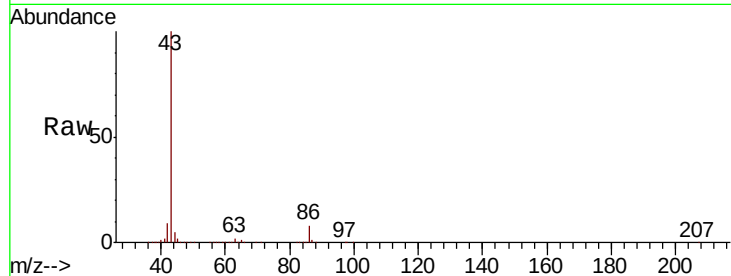
VW0619SBSD02

Tot Ion: 43 Resp: 653137

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

6.26

200000

150000

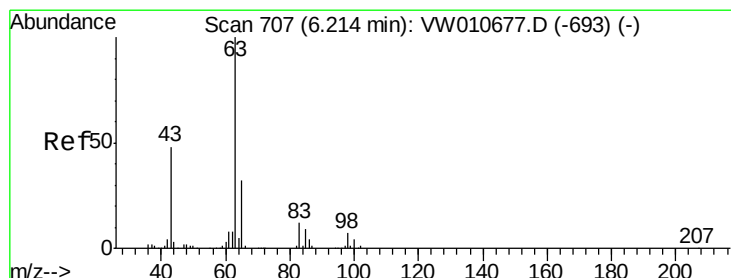
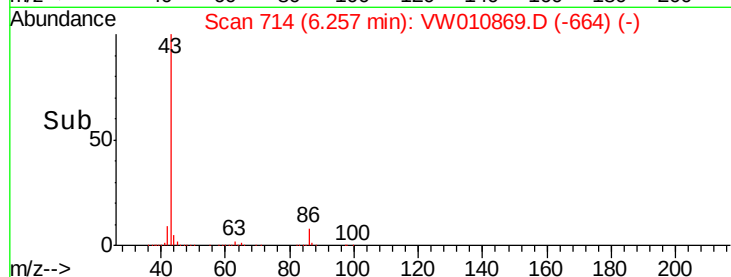
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 23.918 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

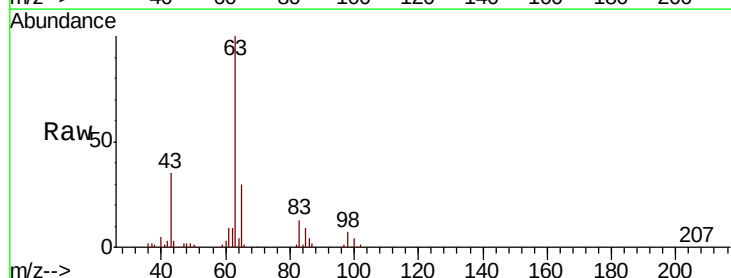
Tgt Ion: 63 Resp: 117681

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.1 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

50000

40000

30000

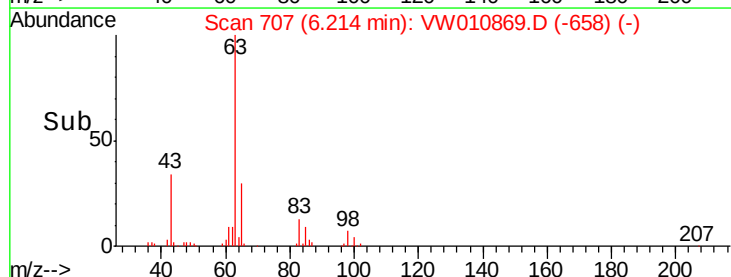
20000

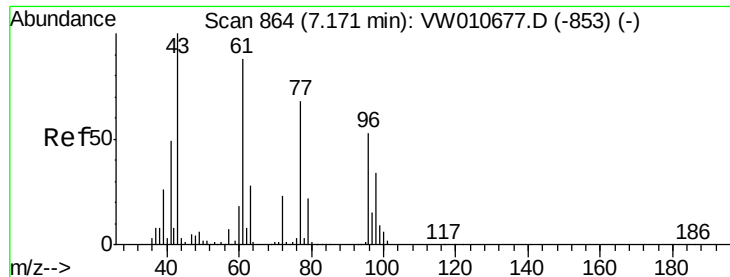
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 129.064 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampled :

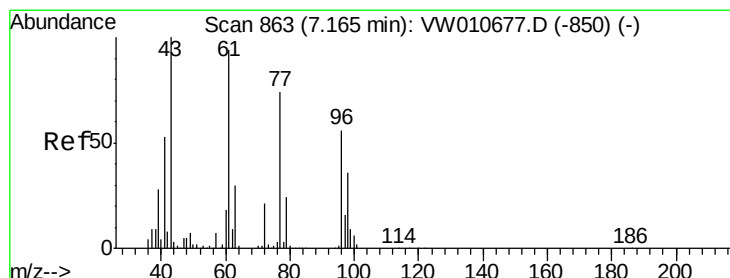
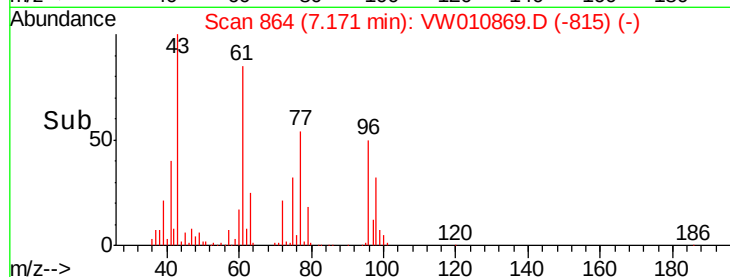
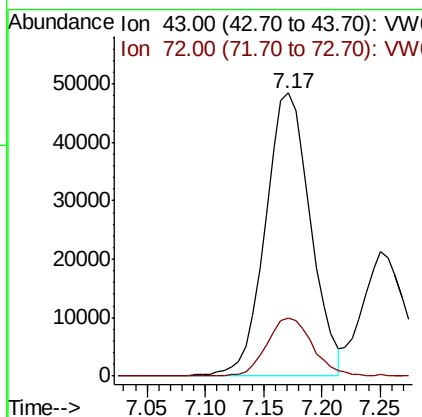
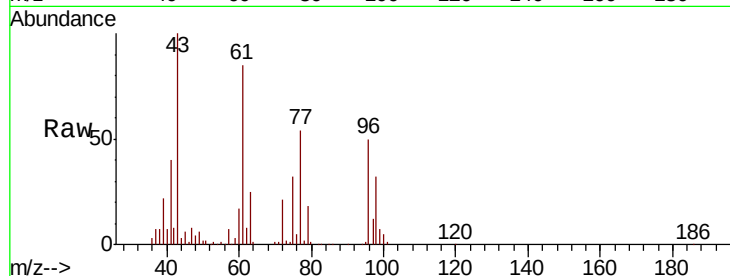
VW0619SBS02

Tot Ion: 43 Resp: 129991

Ion Ratio Lower Upper

43 100

72 20.6 18.1 27.1



#26

2,2-Dichloropropane

Concen: 20.895 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010869.D

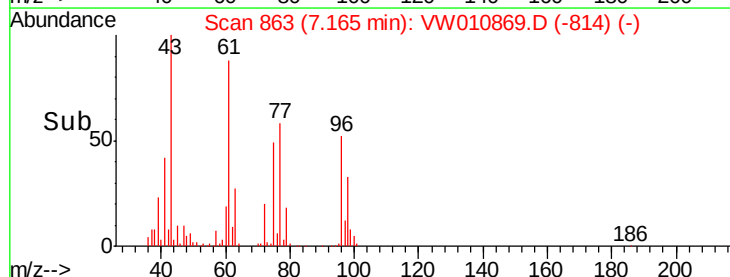
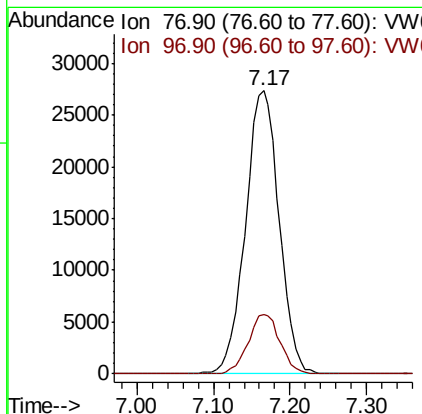
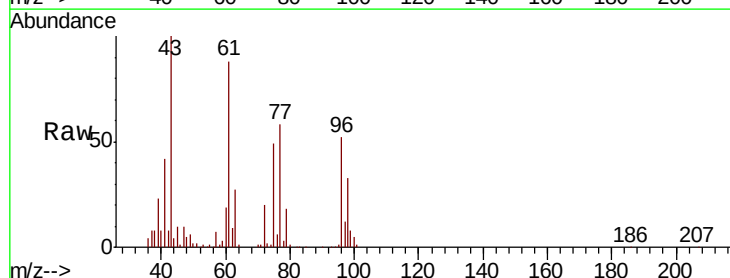
Acq: 20 Jun 2019 01:48

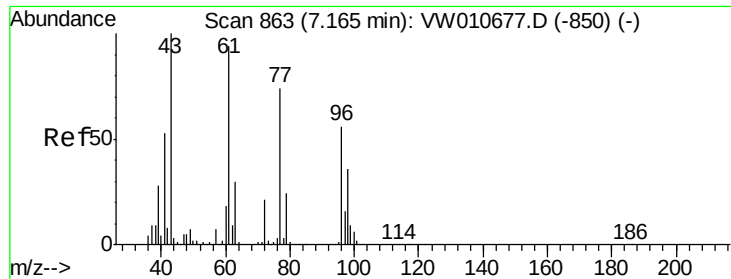
Tgt Ion: 77 Resp: 83660

Ion Ratio Lower Upper

77 100

97 19.8 10.5 31.6



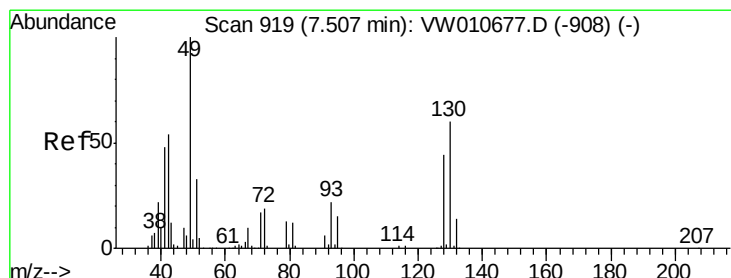
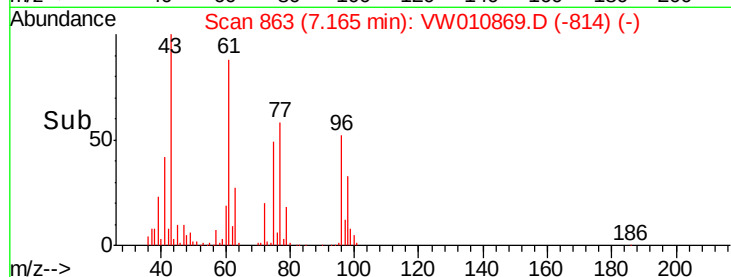
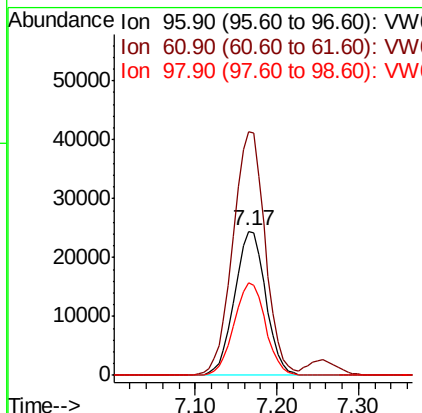
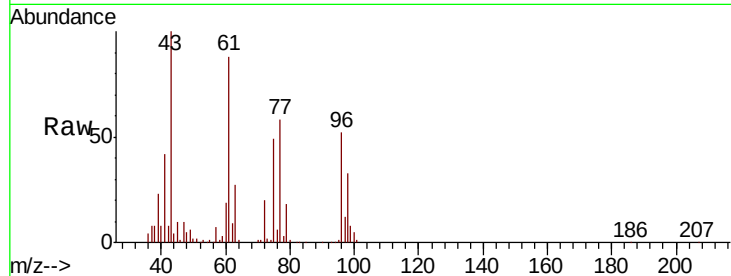


#27

cis-1,2-Dichloroethene
 Concen: 23.309 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

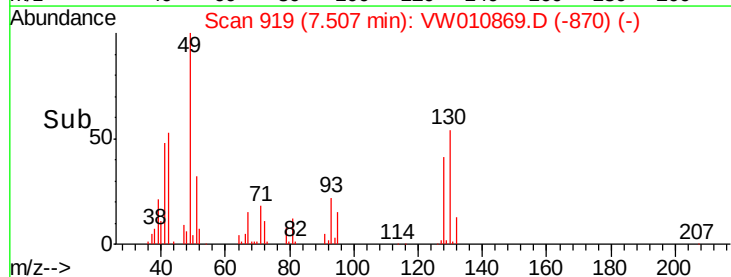
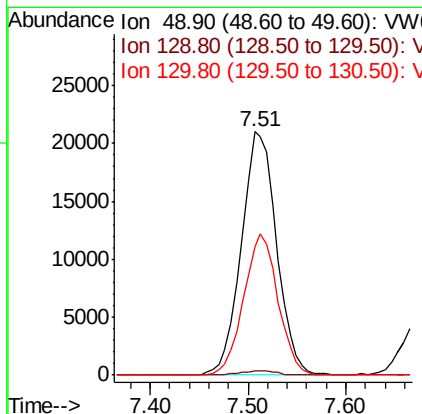
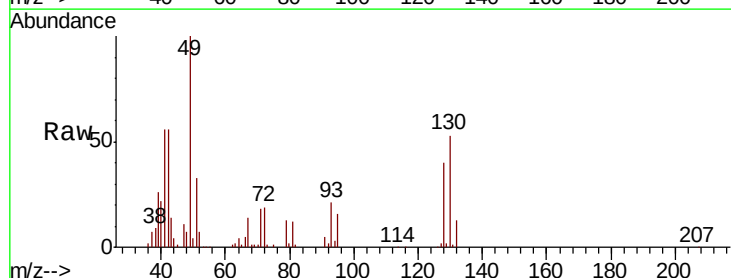
Tot Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	336.4
98	64.8	0.0	128.0

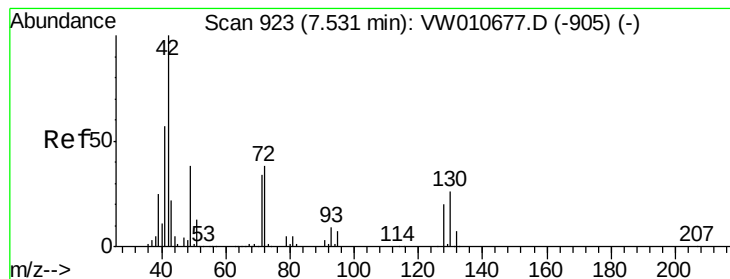


#28

Bromochloromethane
 Concen: 23.905 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	56.5	48.3	72.5





#29

Tetrahydrofuran

Concen: 129.331 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

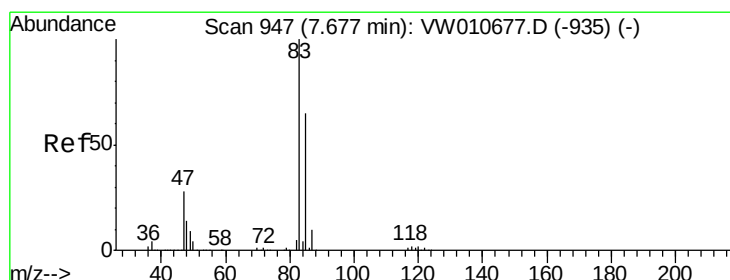
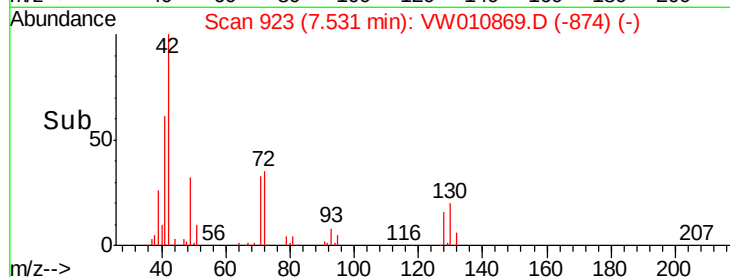
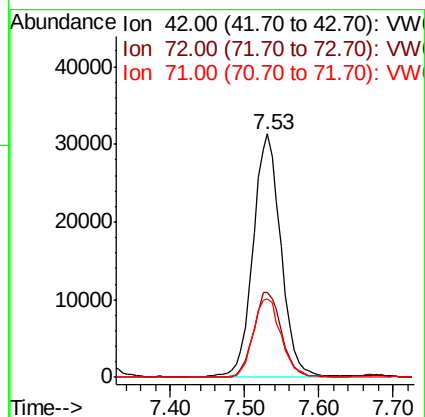
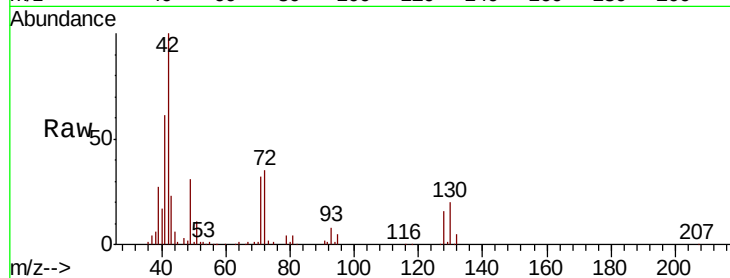
Tot Ion: 42 Resp: 81933

Ion Ratio Lower Upper

42 100

72 35.1 28.7 43.1

71 32.7 26.6 39.8



#30

Chloroform

Concen: 24.118 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW010869.D

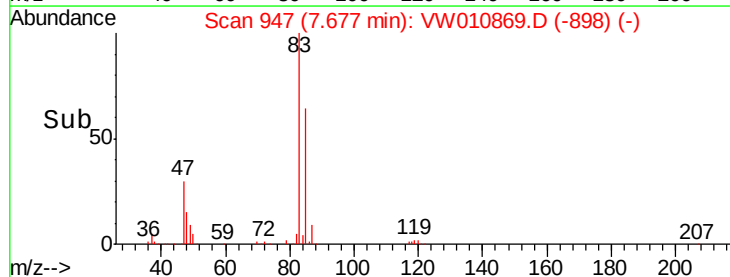
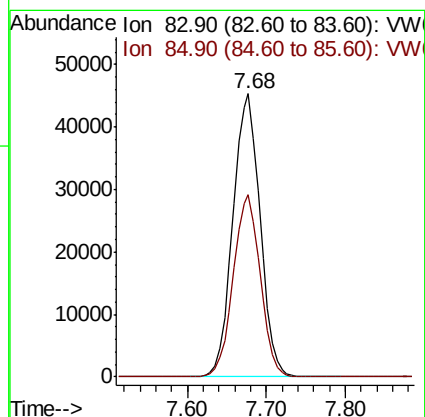
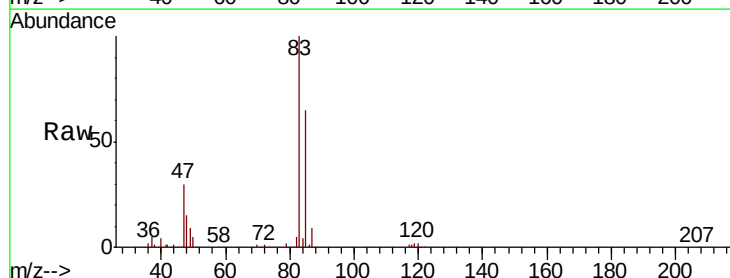
Acq: 20 Jun 2019 01:48

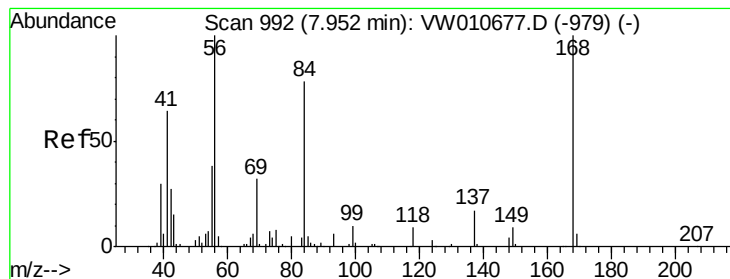
Tgt Ion: 83 Resp: 108542

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.8





#31

Cyclohexane

Concen: 21.239 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleID :

VW0619SBSD02

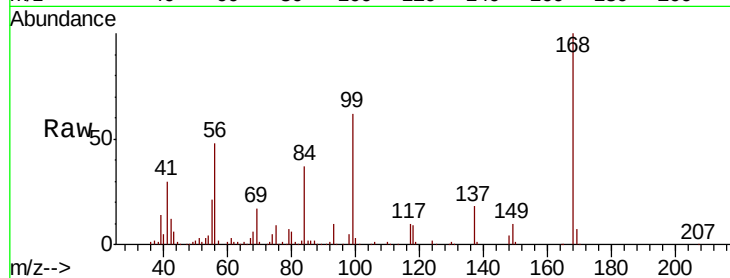
Tot Ion: 56 Resp: 116166

Ion Ratio Lower Upper

56 100

69 36.6 25.2 37.8

84 76.3 62.2 93.2

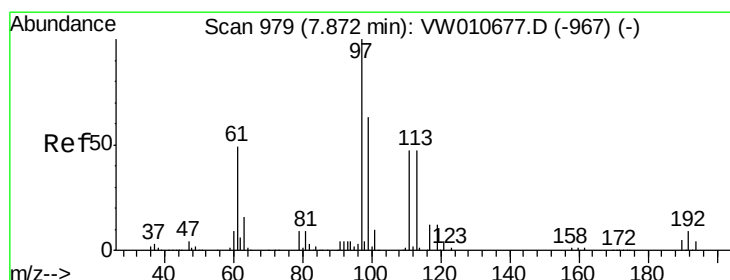
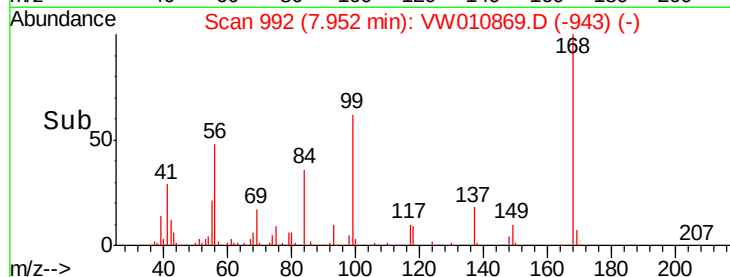
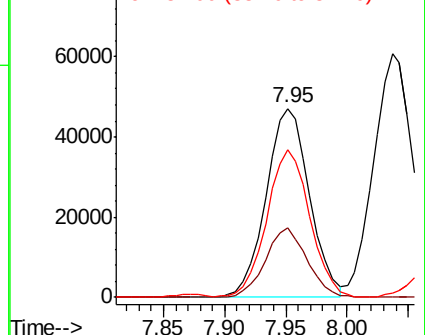


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 22.755 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

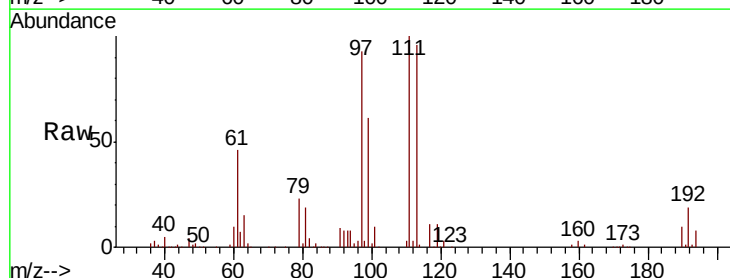
Tgt Ion: 97 Resp: 89457

Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 51.3 40.4 60.6

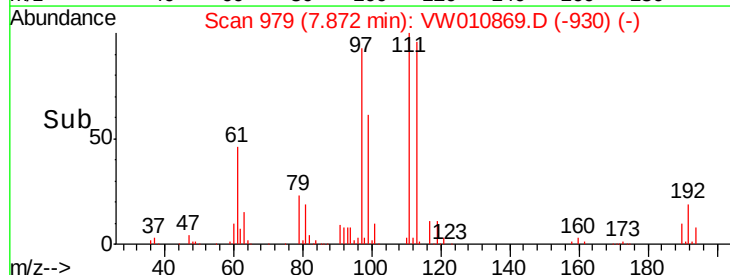
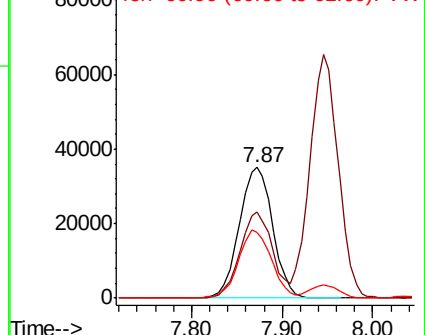


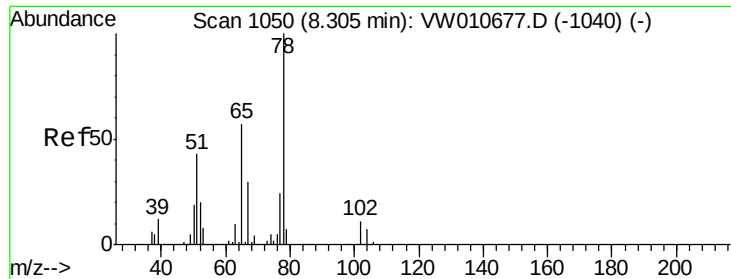
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

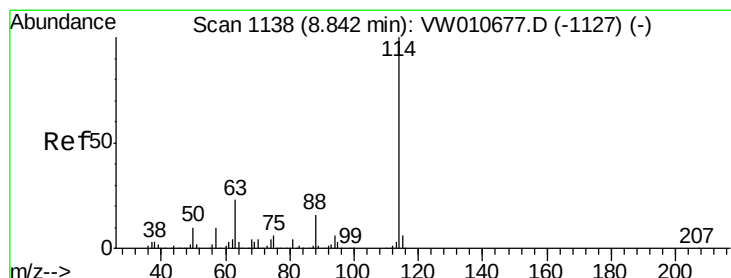
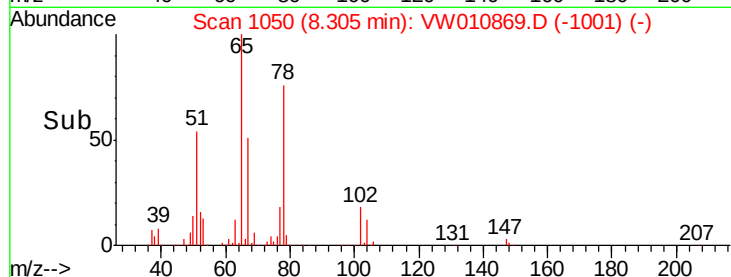
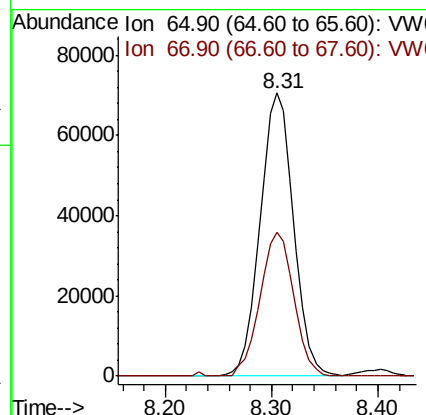
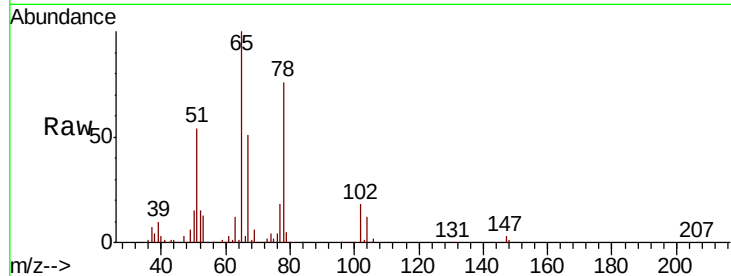




#33
 1,2-Dichloroethane-d4
 Concen: 57.178 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

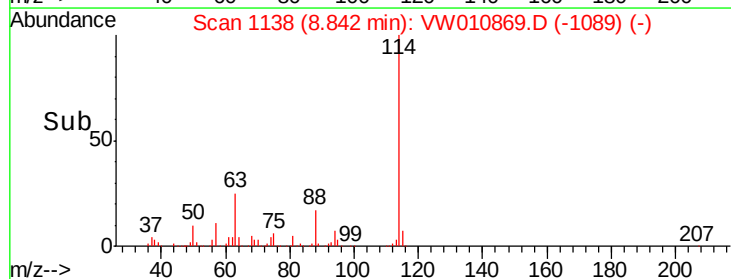
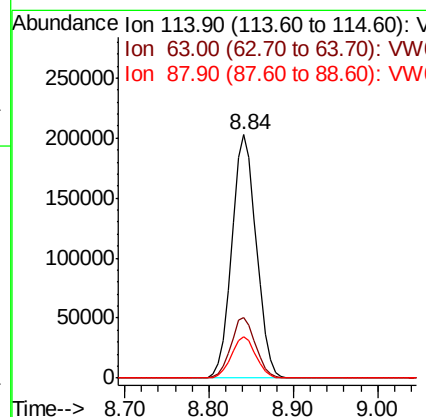
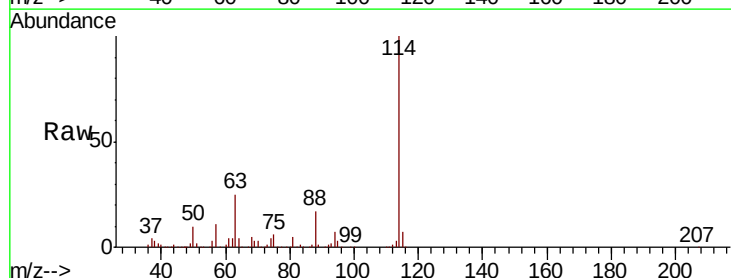
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

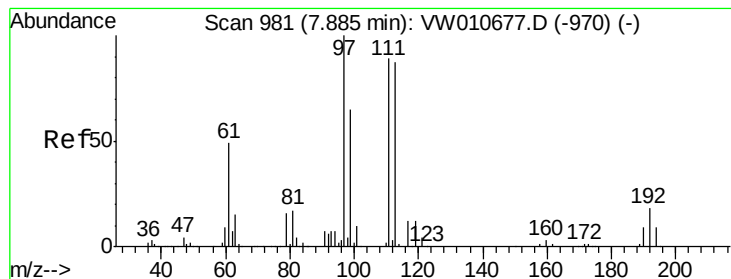
Tot Ion: 65 Resp: 154997
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 114 Resp: 399867
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 46.4
 88 17.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 52.756 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

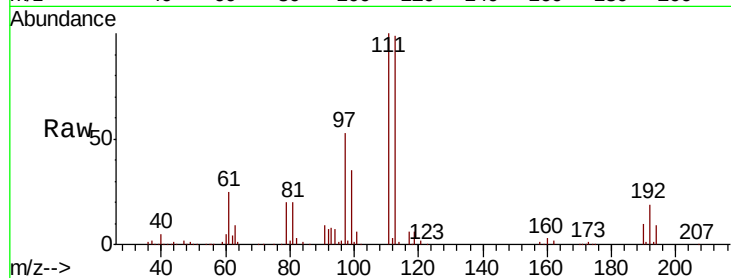
Tot Ion:113 Resp: 114501

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

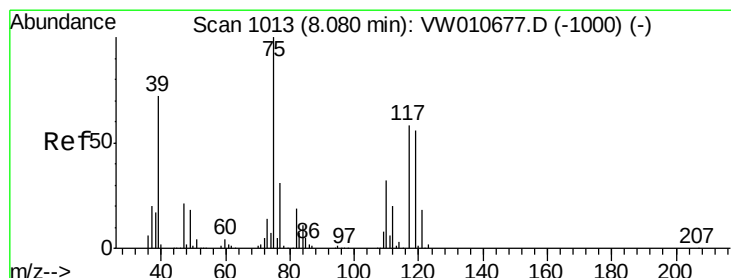
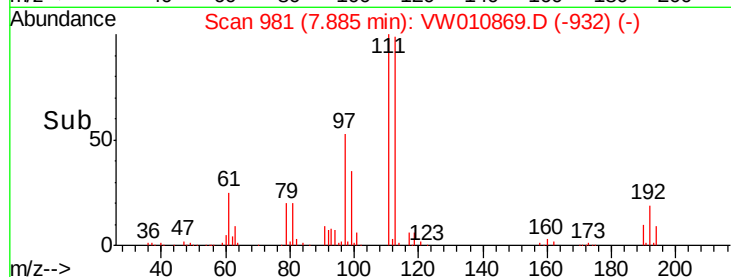
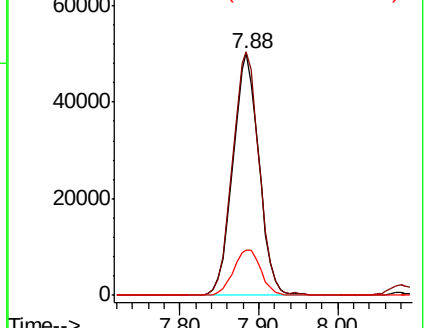
192 19.8 16.4 24.6



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: 20.973 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

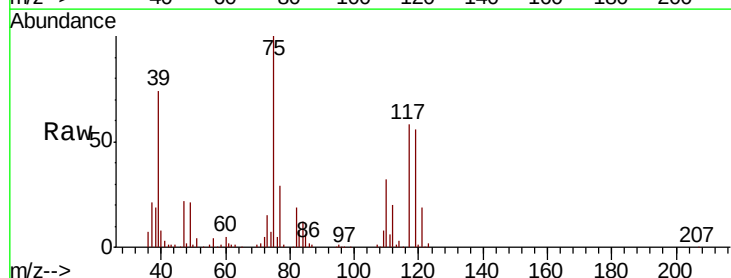
Tgt Ion: 75 Resp: 85845

Ion Ratio Lower Upper

75 100

110 31.5 15.8 47.3

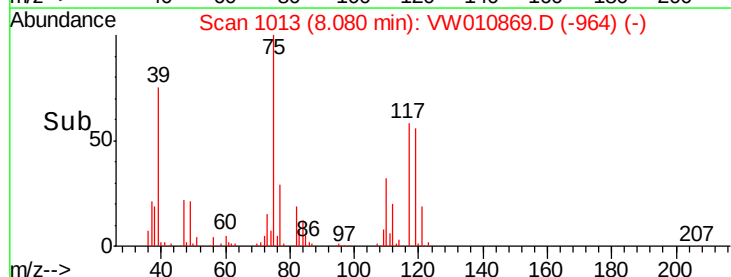
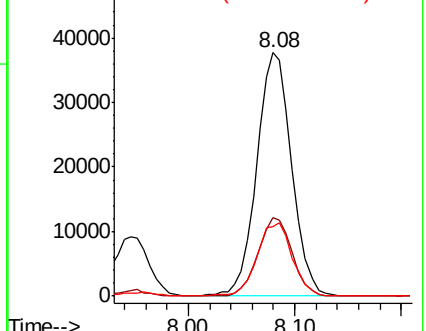
77 30.8 24.7 37.1

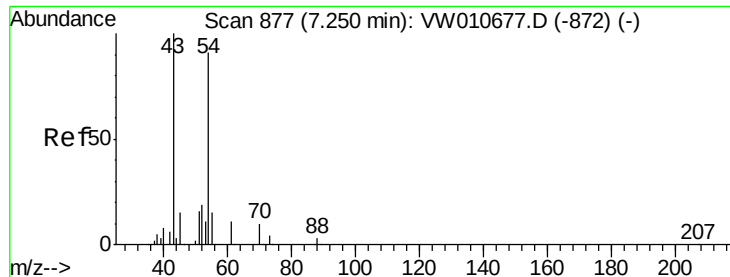


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 23.825 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

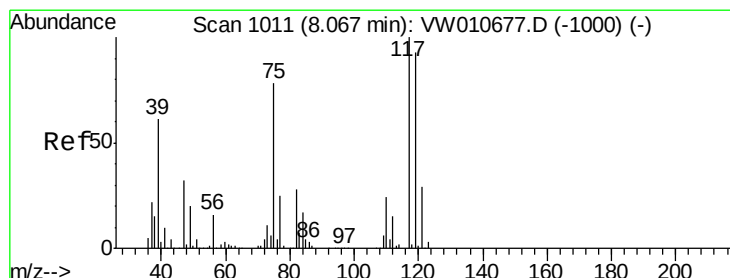
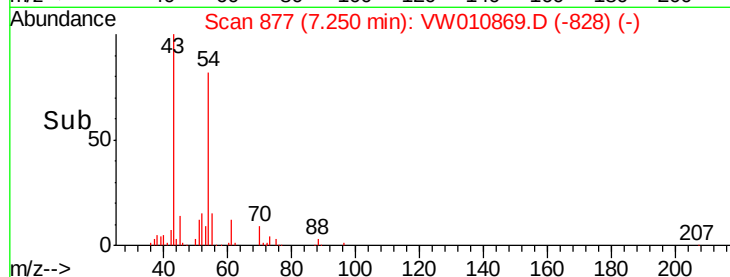
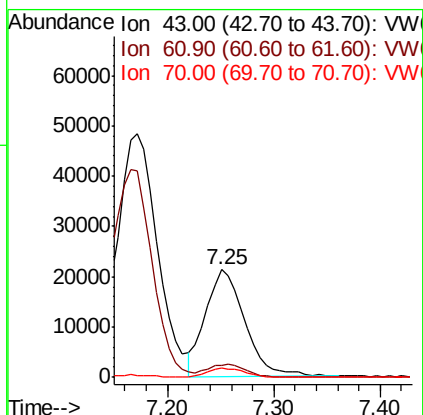
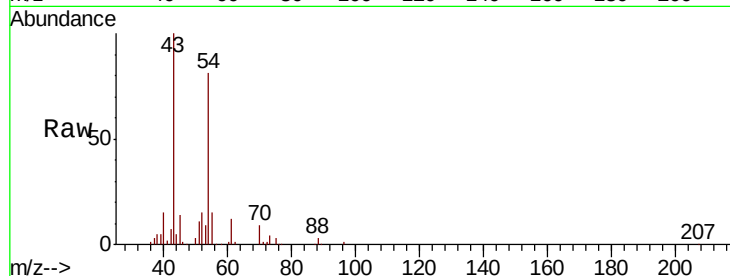
Tot Ion: 43 Resp: 54039

Ion Ratio Lower Upper

43 100

61 11.7 9.7 14.5

70 8.8 7.2 10.8



#38

Carbon Tetrachloride

Concen: 21.006 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

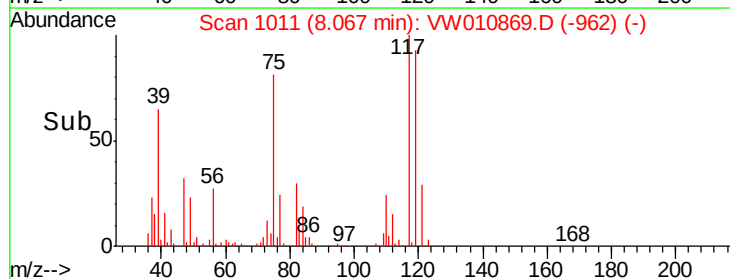
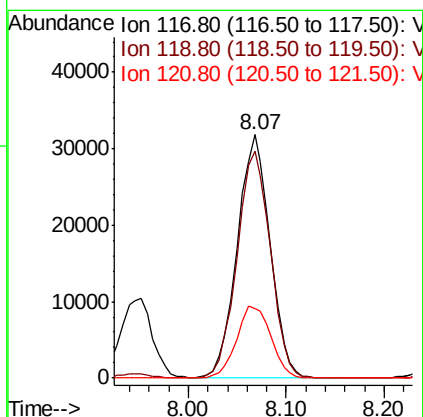
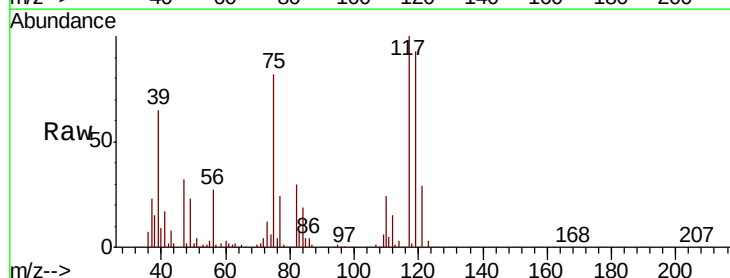
Tgt Ion: 117 Resp: 74222

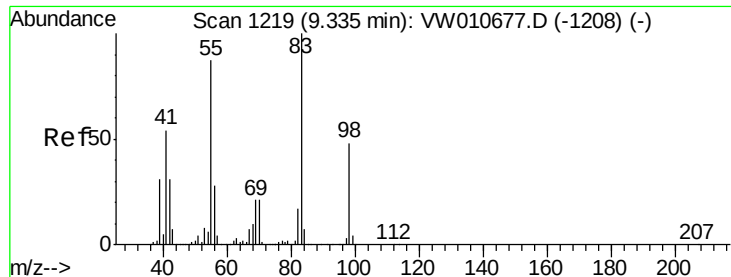
Ion Ratio Lower Upper

117 100

119 93.0 74.2 111.4

121 28.6 22.9 34.3

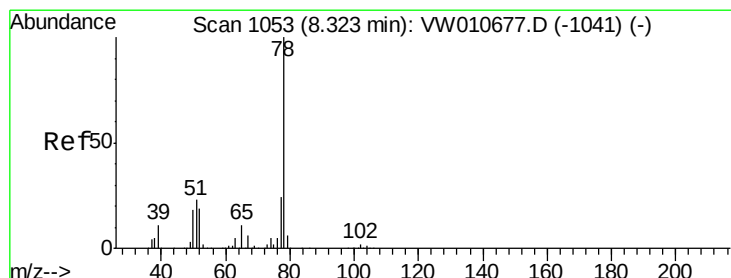
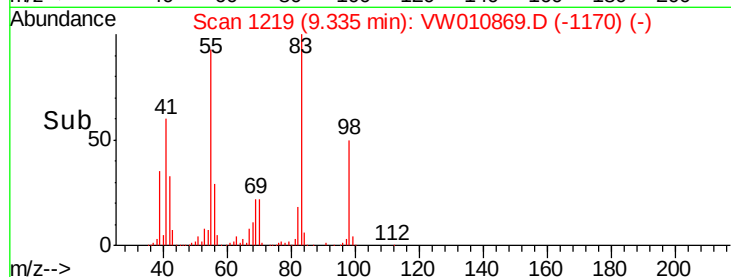
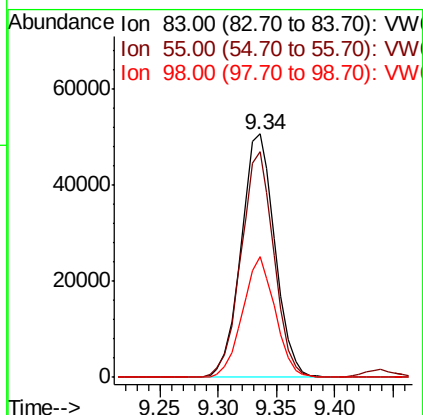
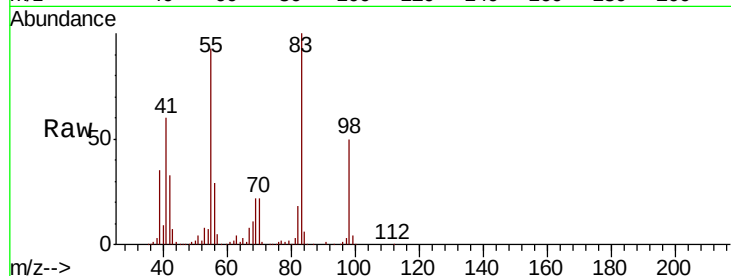




#39
Methylvlcyclohexane
Concen: 19.702 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

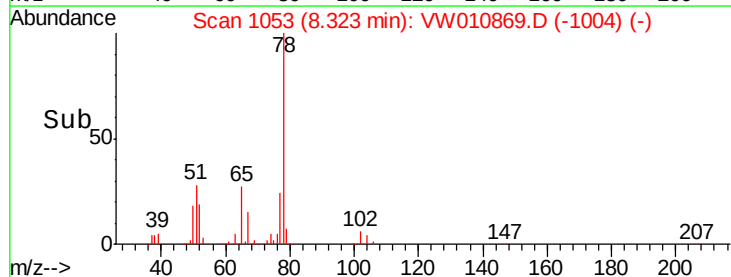
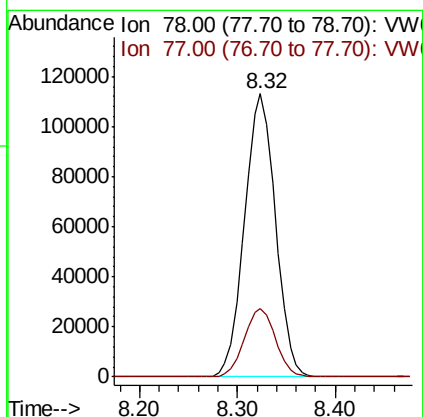
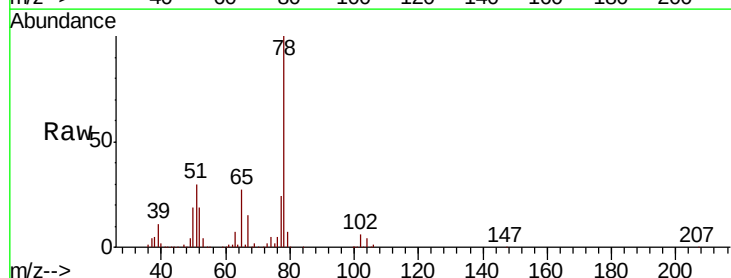
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

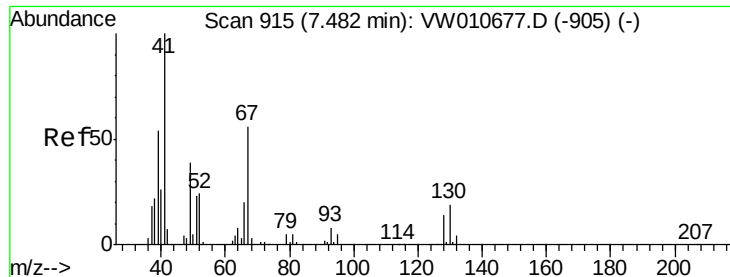
Tot Ion: 83 Resp: 102512
Ion Ratio Lower Upper
83 100
55 92.7 70.0 105.0
98 49.6 38.1 57.1



#40
Benzene
Concen: 22.209 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion: 78 Resp: 247993
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

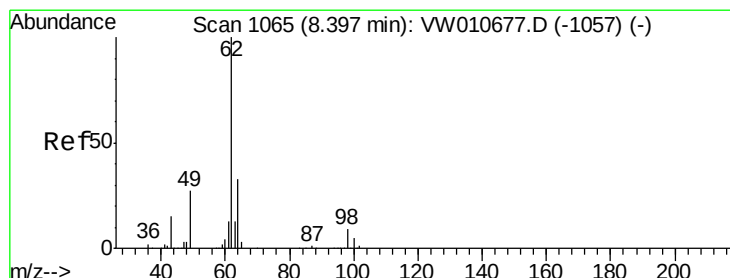
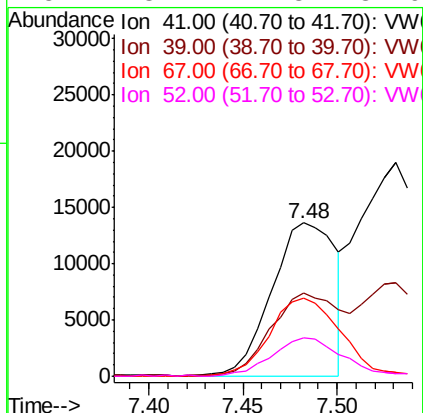
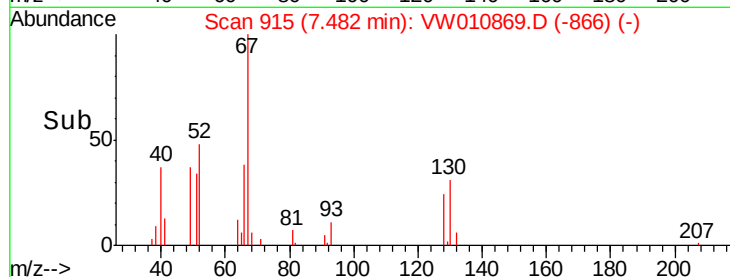
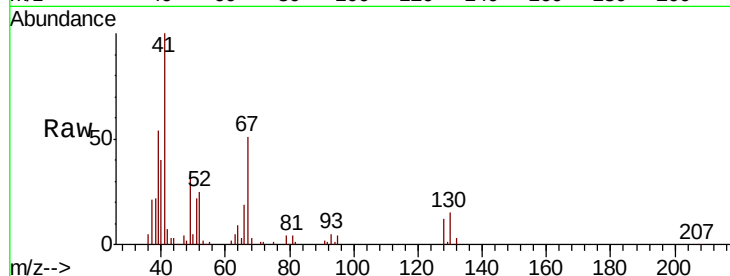




#41
Methacrylonitrile
Concen: 23.752 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

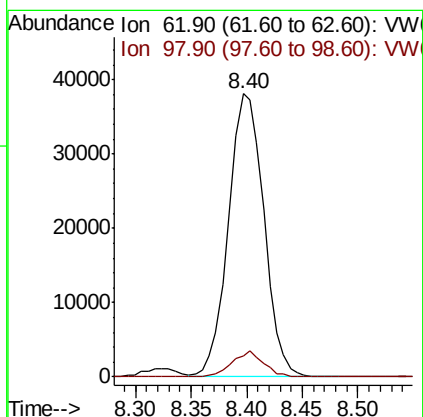
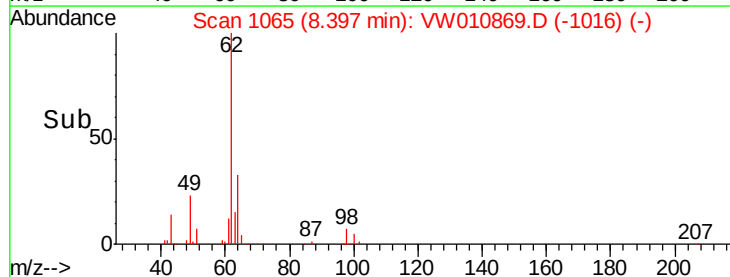
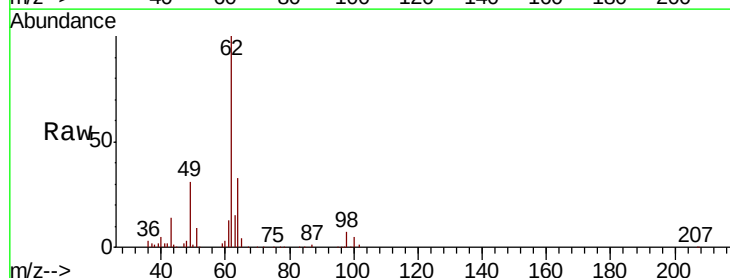
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

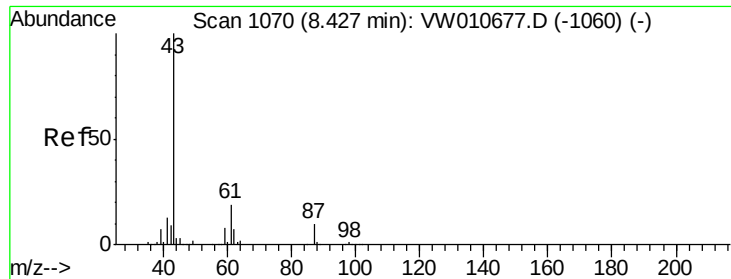
Tot Ion:	41	Resp:	32022
Ion	Ratio	Lower	Upper
41	100		
39	60.9	47.3	70.9
67	57.0	47.2	70.8
52	28.2	21.3	31.9



#42
1,2-Dichloroethane
Concen: 23.743 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:	62	Resp:	84145
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.2





#43

Isopropyl Acetate

Concen: 23.923 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

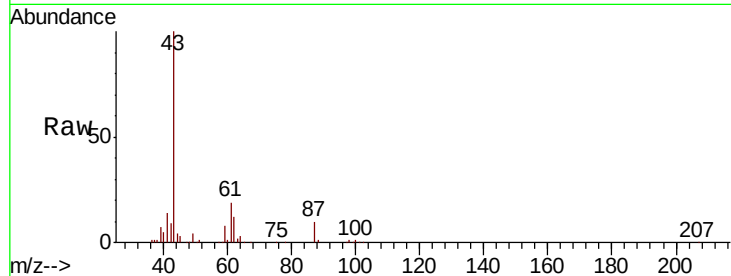
Tot Ion: 43 Resp: 104828

Ion Ratio Lower Upper

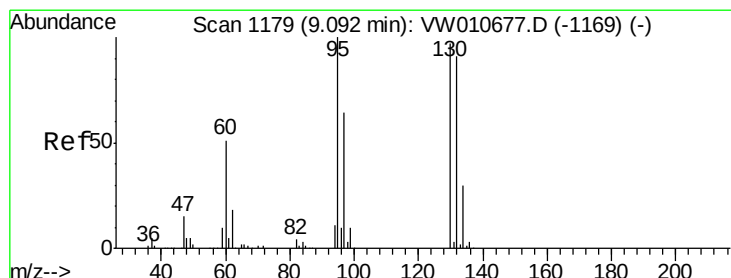
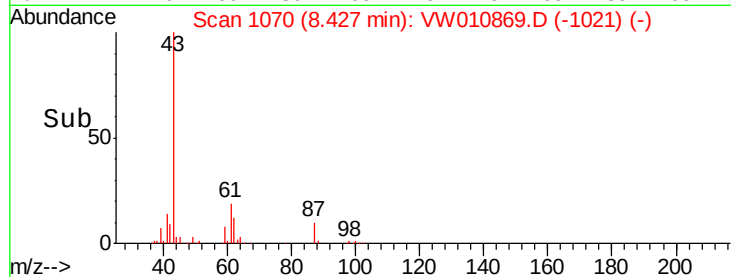
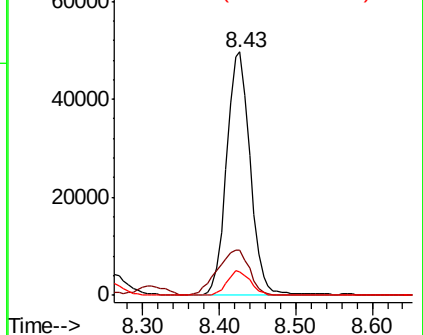
43 100

61 25.2 21.2 31.8

87 10.1 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: 21.588 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010869.D

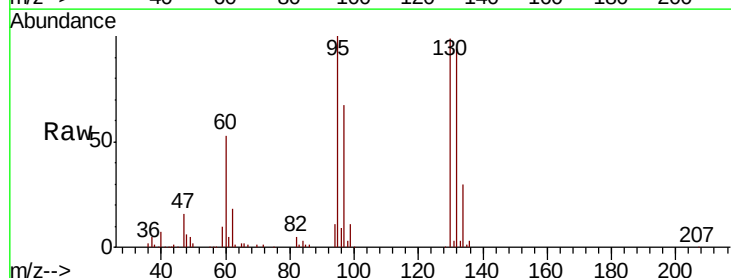
Acq: 20 Jun 2019 01:48

Tgt Ion:130 Resp: 59462

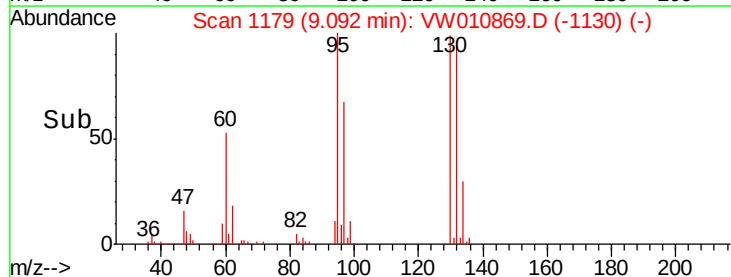
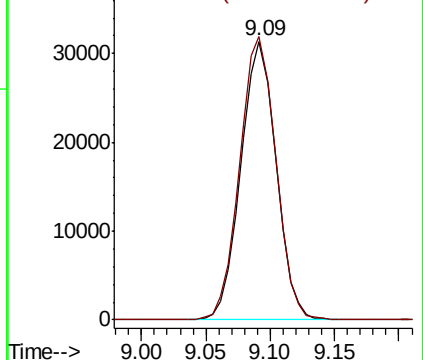
Ion Ratio Lower Upper

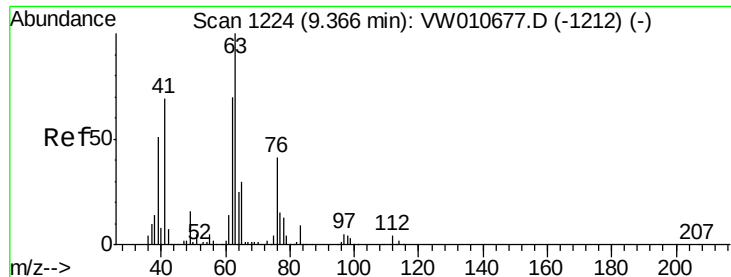
130 100

95 101.5 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

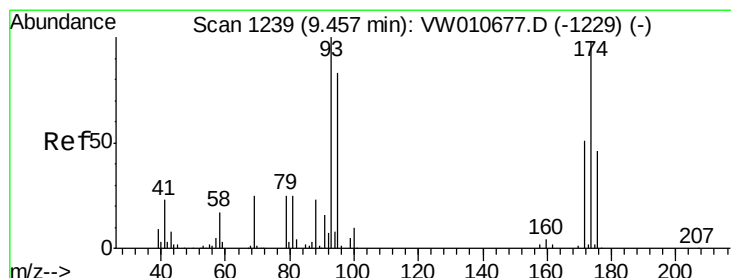
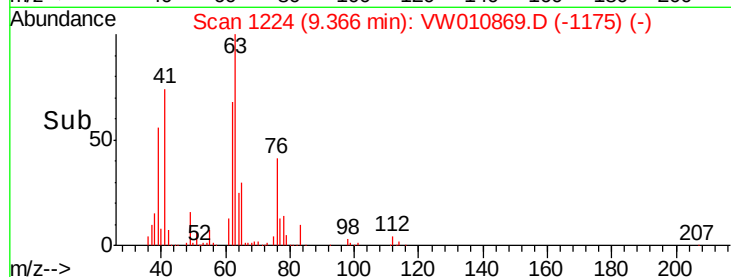
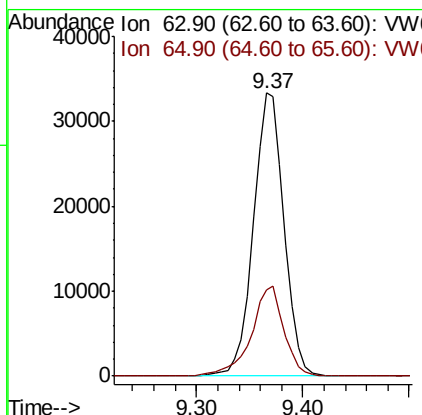
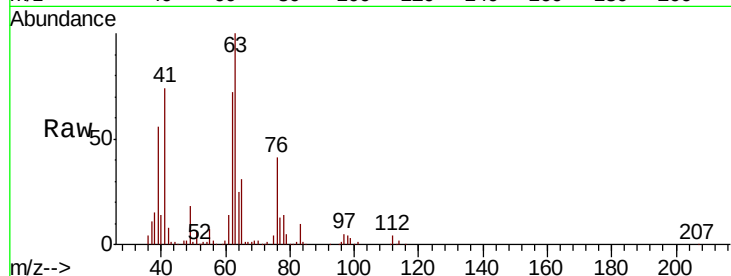




#45
 1,2-Dichloropropane
 Concen: 22.713 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

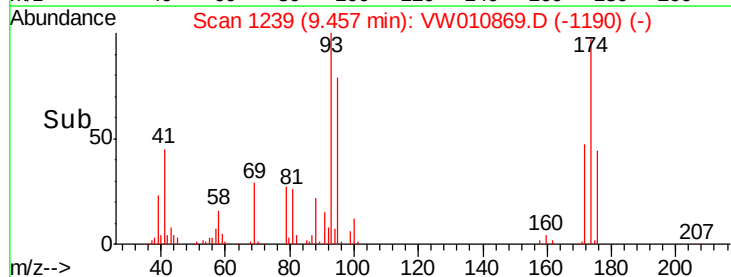
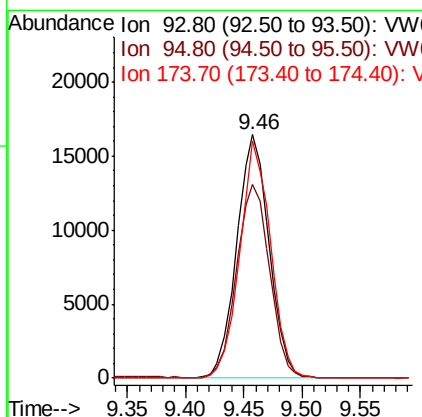
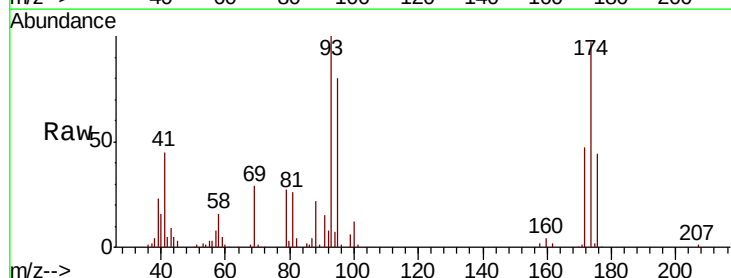
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

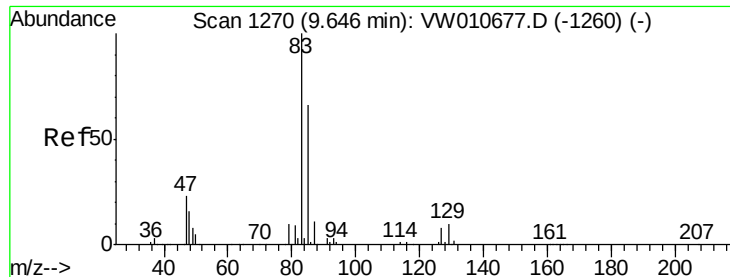
Tot Ion: 63 Resp: 67135
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6



#46
 Dibromomethane
 Concen: 23.254 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 93 Resp: 31926
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.8 98.8
 174 92.9 77.4 116.0





#47

Bromodichloromethane

Concen: 22.330 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampled :

VW0619SBSD02

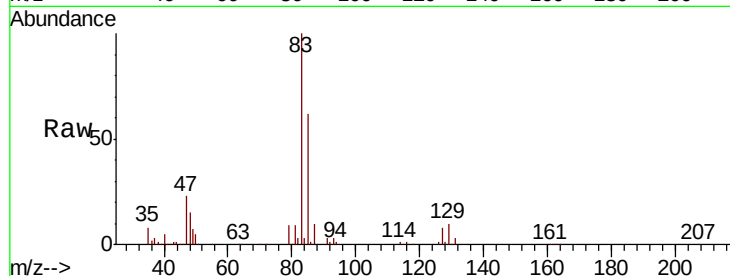
Tot Ion: 83 Resp: 79467

Ion Ratio Lower Upper

83 100

85 61.7 53.0 79.4

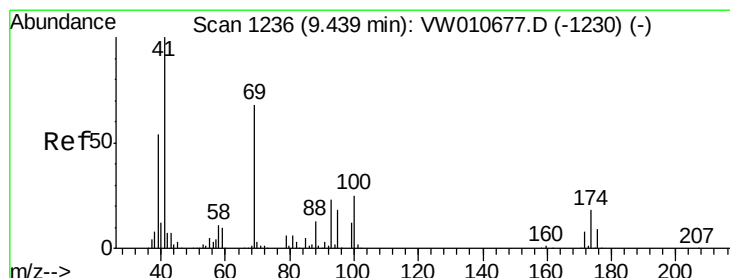
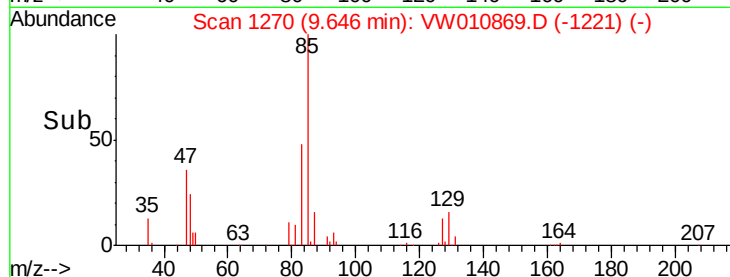
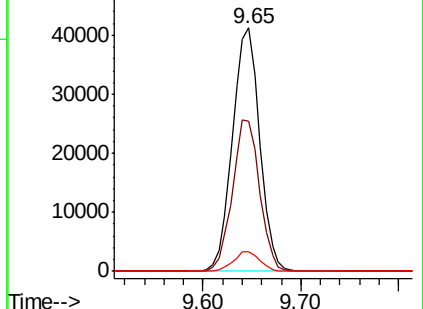
127 8.0 6.4 9.6



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: 24.202 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

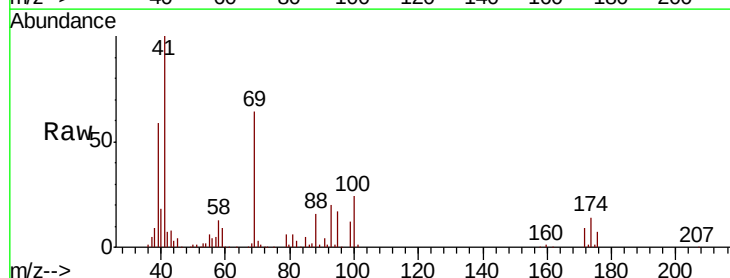
Tgt Ion: 41 Resp: 51133

Ion Ratio Lower Upper

41 100

69 68.5 56.6 85.0

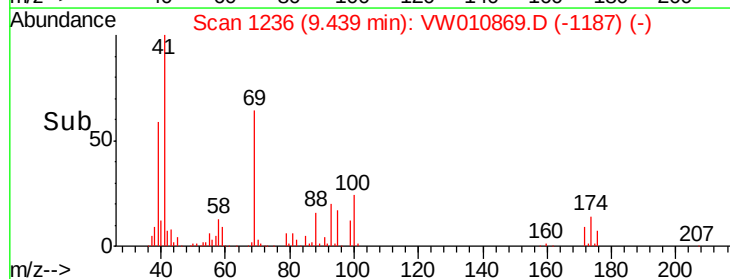
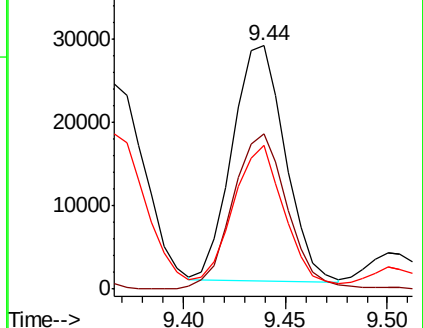
39 59.7 44.4 66.6

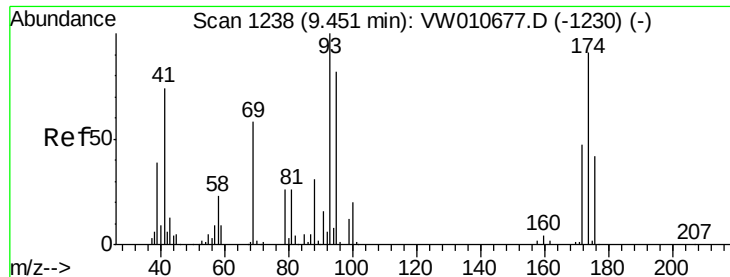


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 497.279 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBS02

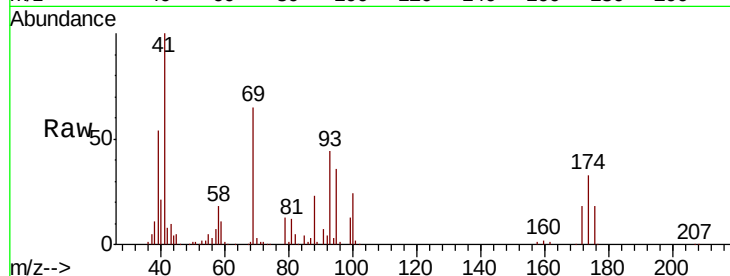
Tot Ion: 88 Resp: 10674

Ion Ratio Lower Upper

88 100

43 43.2 34.2 51.4

58 82.2 69.0 103.4

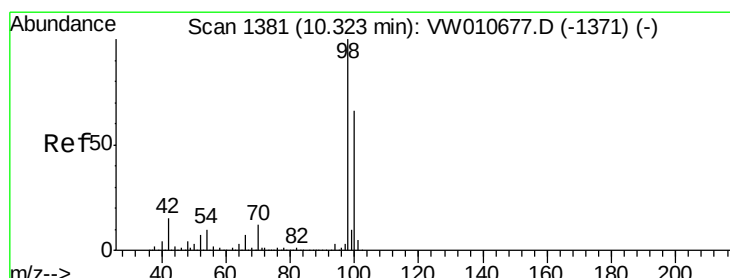
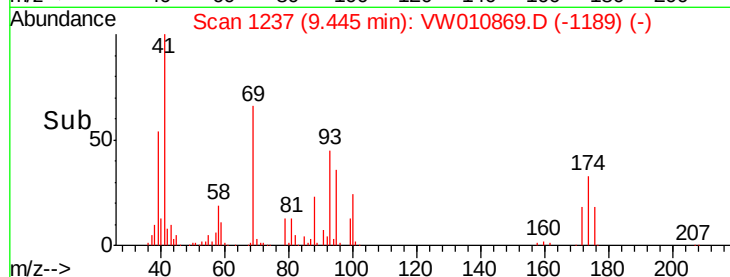
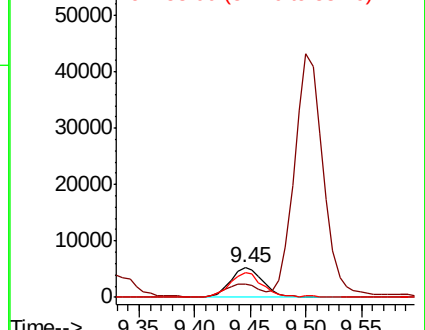


Abundance

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: 49.615 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010869.D

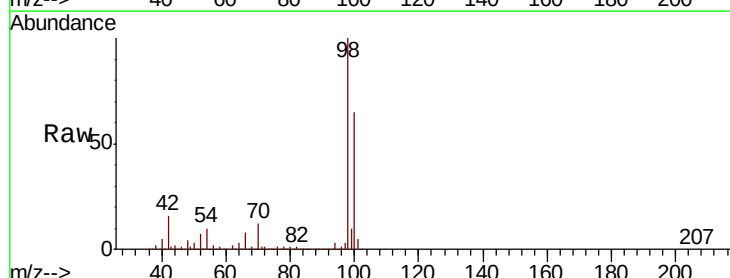
Acq: 20 Jun 2019 01:48

Tgt Ion: 98 Resp: 472208

Ion Ratio Lower Upper

98 100

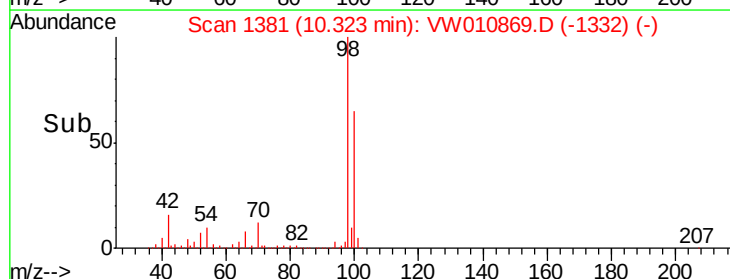
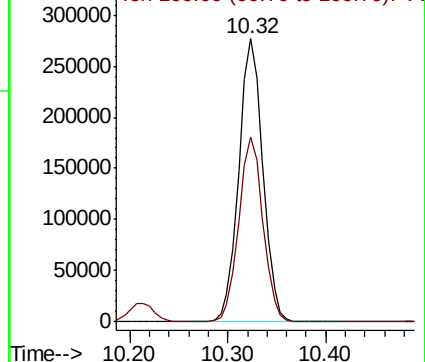
100 65.6 53.0 79.6

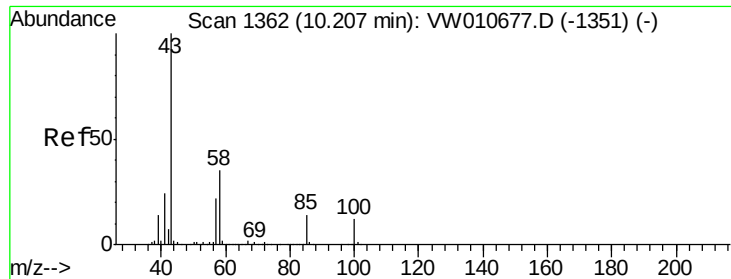


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

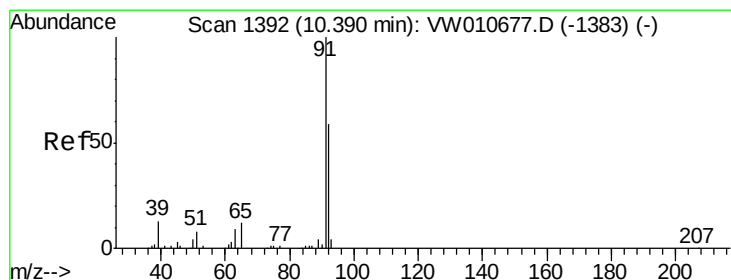
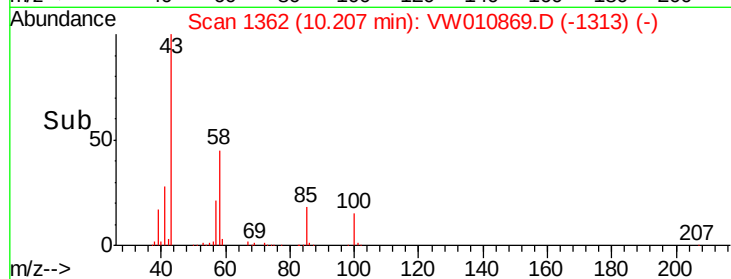
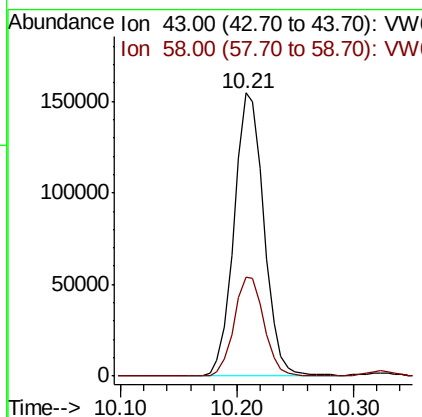
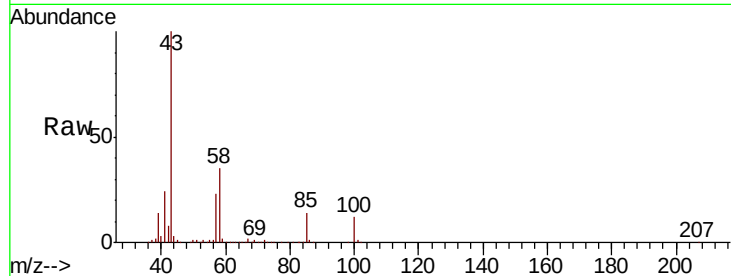




#51
 4-Methyl-2-Pentanone
 Concen: 123.343 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

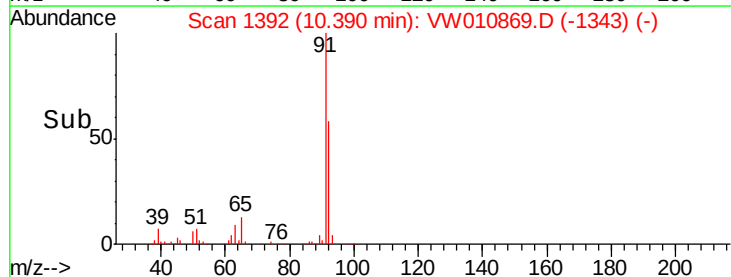
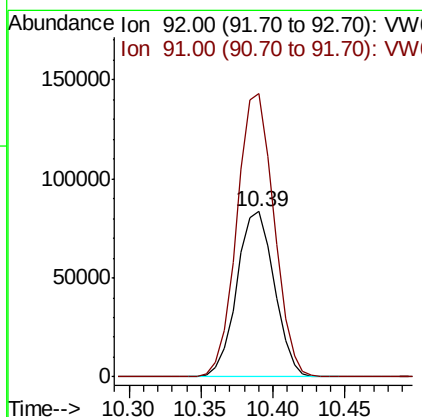
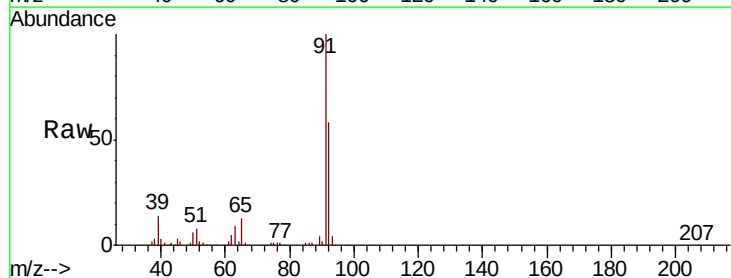
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

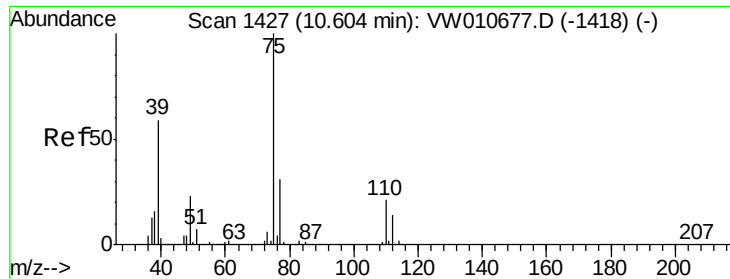
Tot Ion: 43 Resp: 276116
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.4 42.6



#52
 Toluene
 Concen: 21.944 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 92 Resp: 150765
 Ion Ratio Lower Upper
 92 100
 91 170.4 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 20.760 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

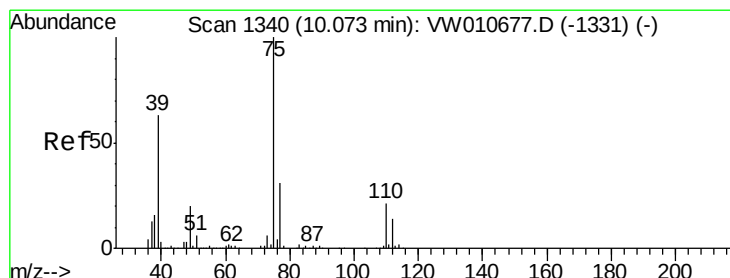
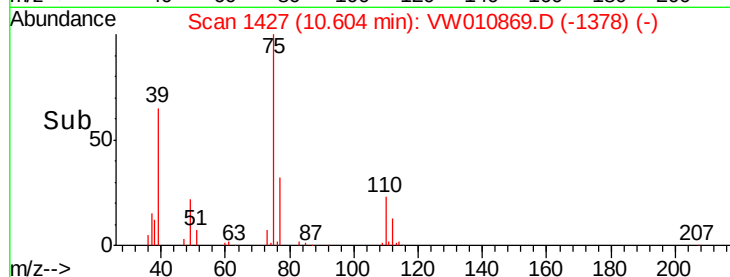
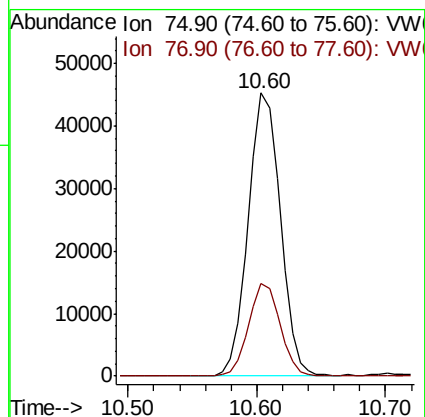
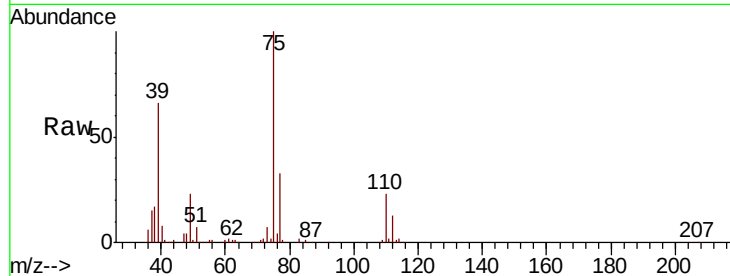
VW0619SBSD02

Tot Ion: 75 Resp: 78256

Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 21.455 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

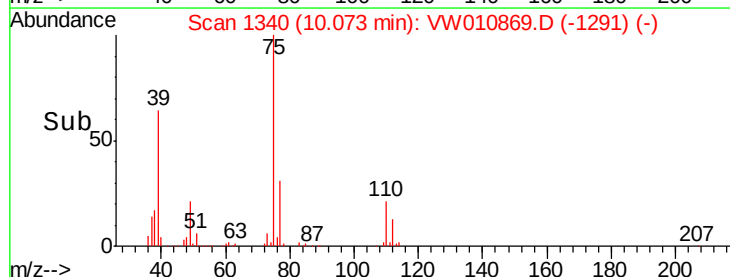
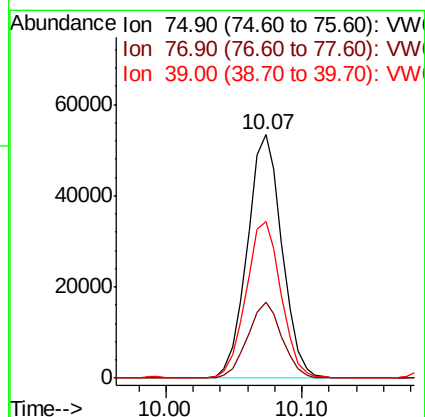
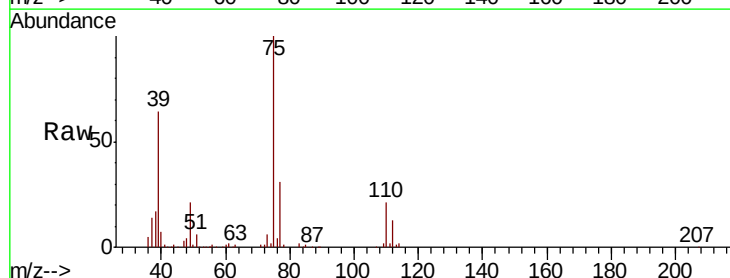
Tgt Ion: 75 Resp: 95167

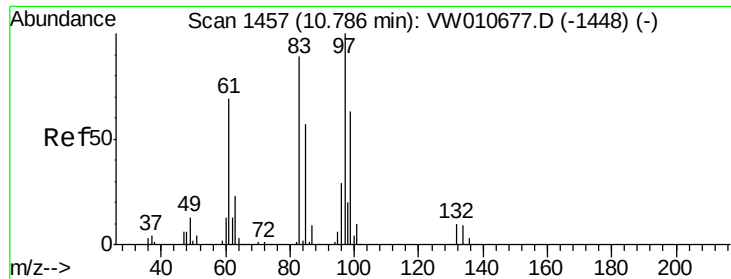
Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8

39 64.1 50.1 75.1

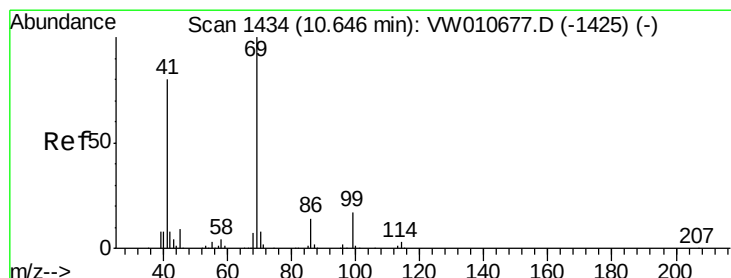
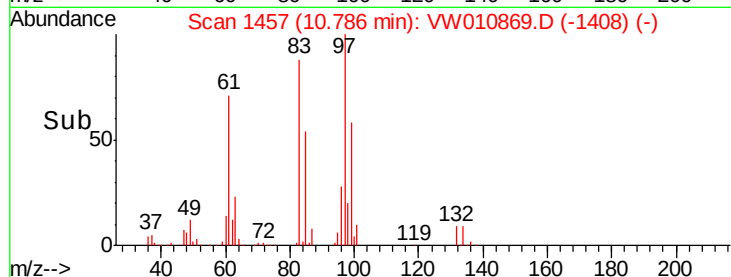
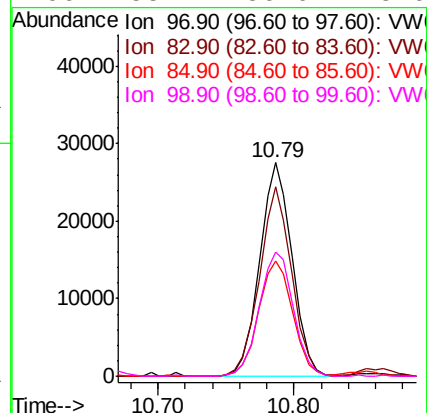
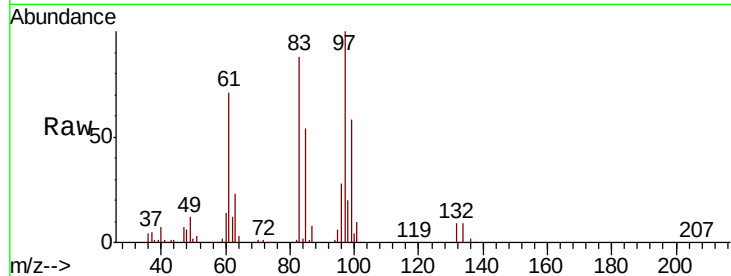




#55
 1,1,2-Trichloroethane
 Concen: 23.240 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

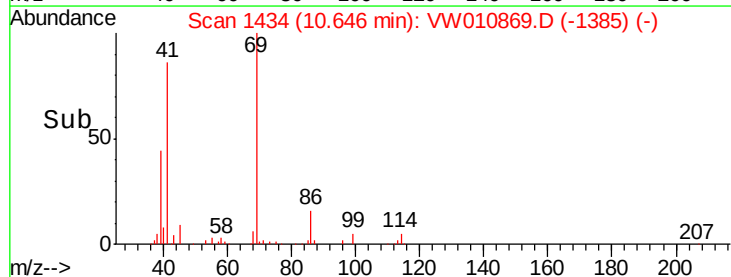
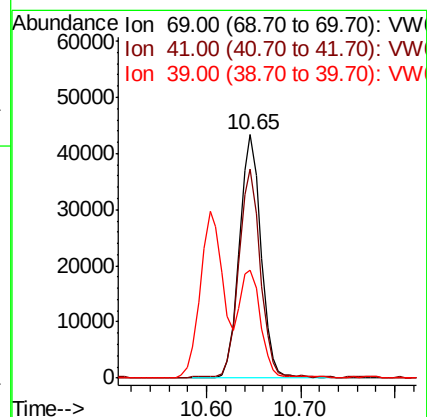
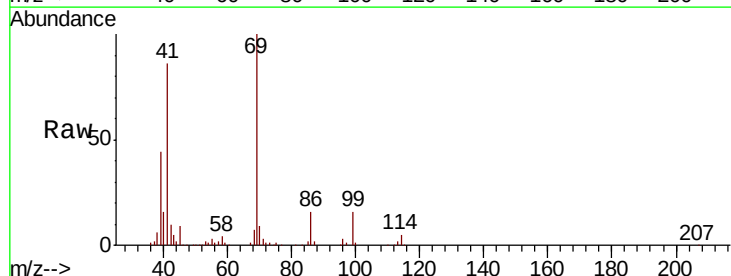
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

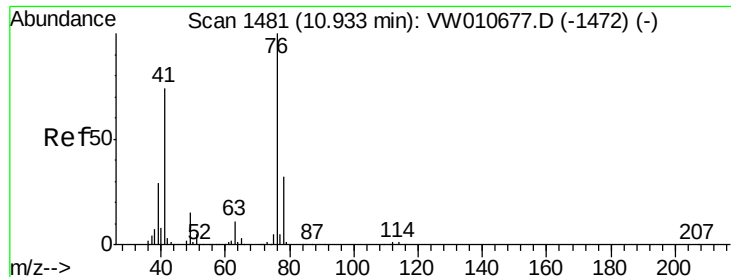
Tot Ion	97	Resp	45964
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.1	106.7
85	54.0	45.2	67.8
99	58.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 22.813 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion	69	Resp	69429
Ion	Ratio	Lower	Upper
69	100		
41	83.7	64.8	97.2
39	43.2	32.2	48.2

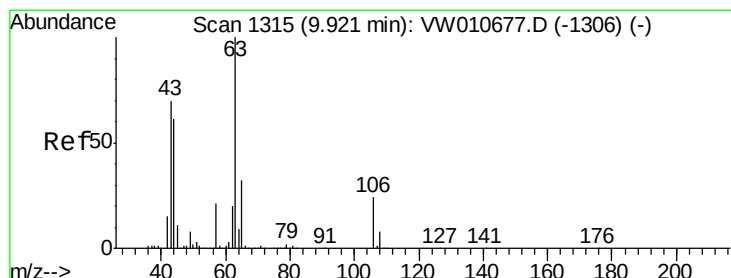
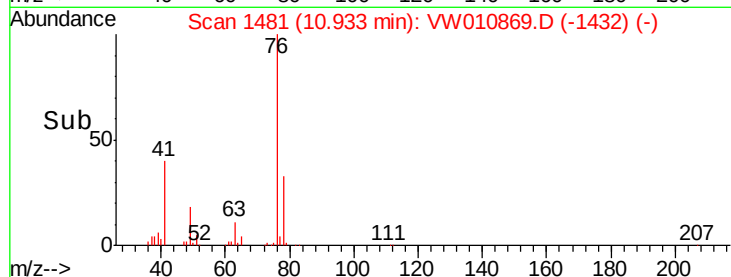
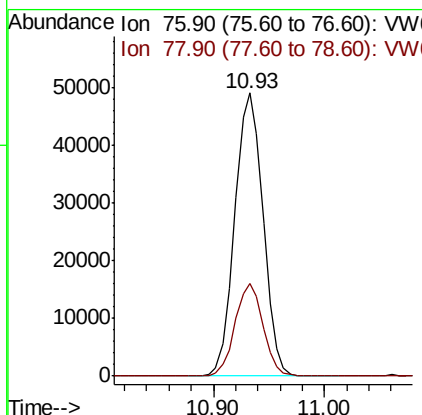
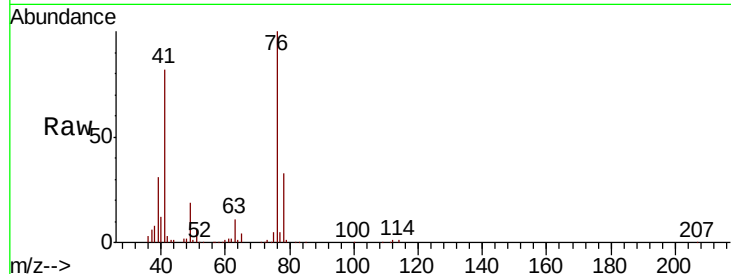




#57
 1,3-Dichloropropane
 Concen: 23.140 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

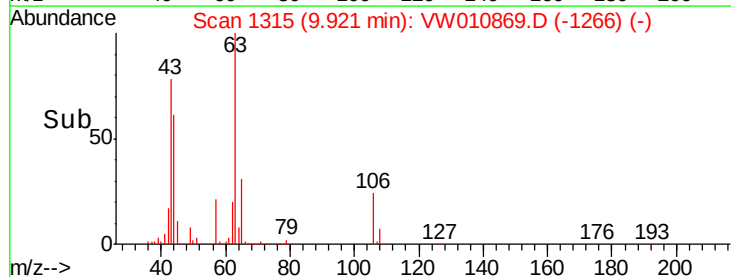
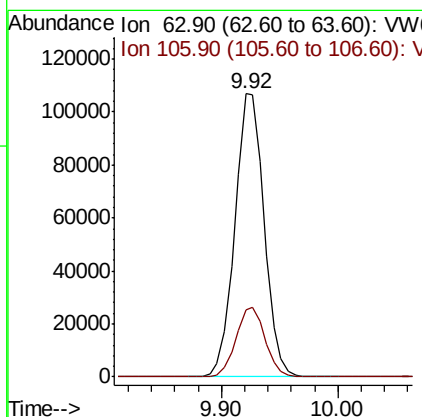
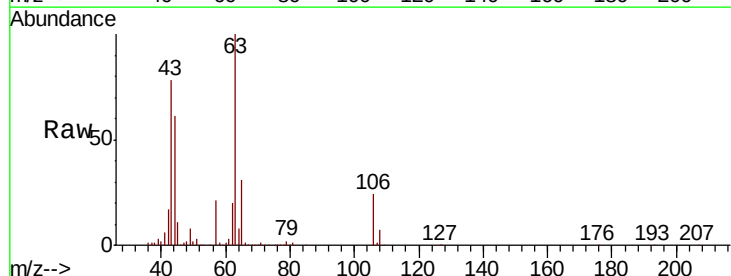
Instrument :
 MSVOA_W
 ClientSampled :
 VW0619SBSD02

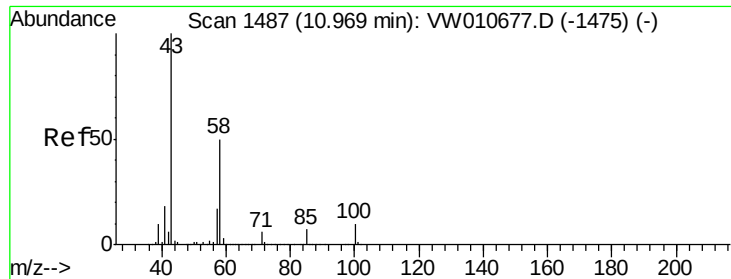
Tot Ion: 76 Resp: 86248
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.258 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 63 Resp: 186913
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.1 30.1

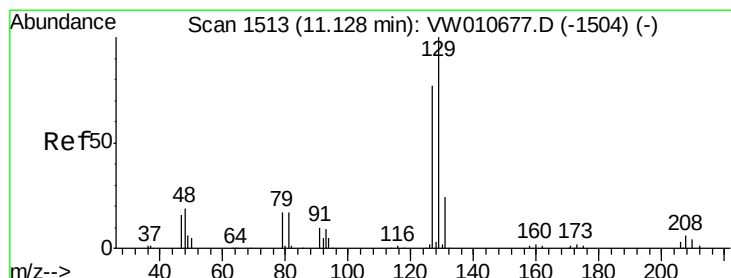
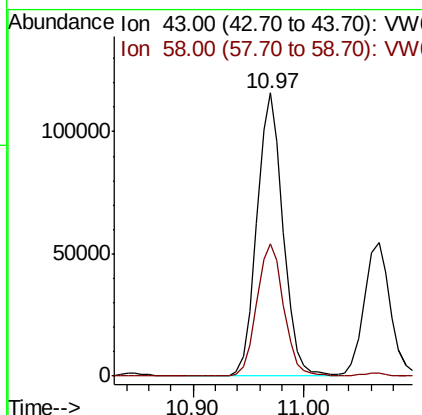
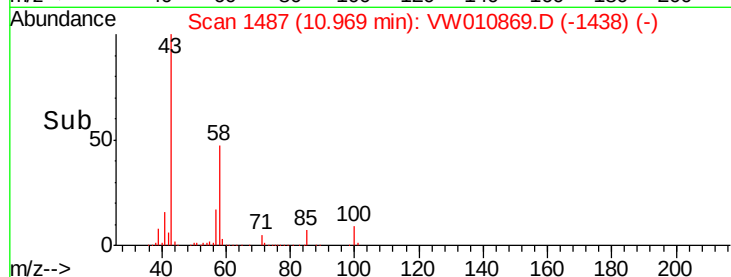
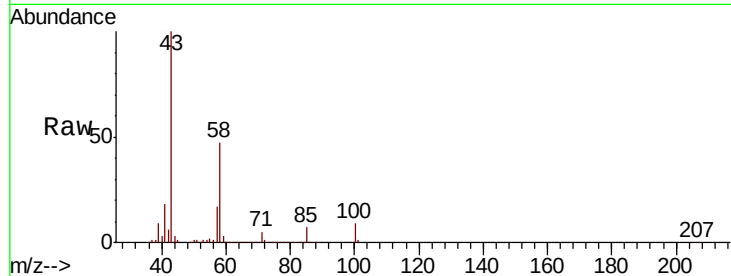




#59
2-Hexanone
Concen: 117.180 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

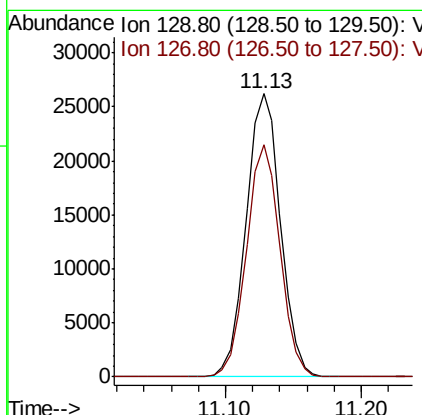
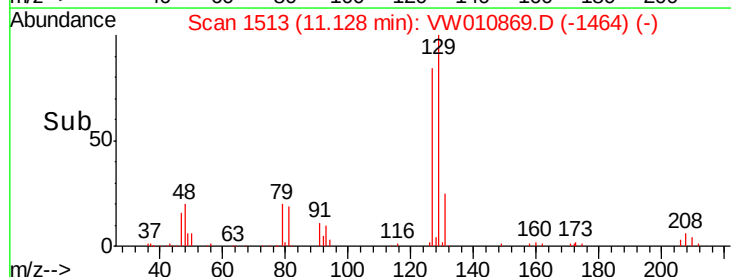
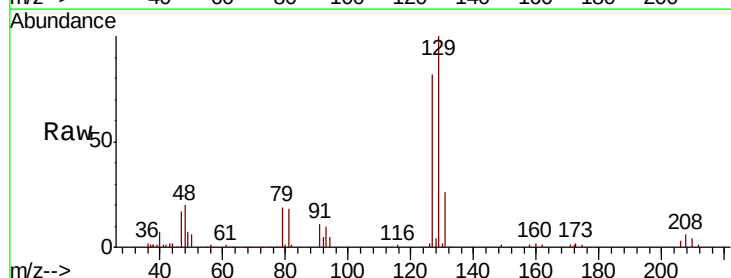
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

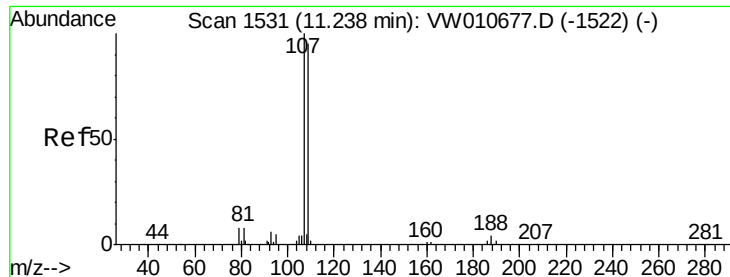
Tot Ion: 43 Resp: 189585
Ion Ratio Lower Upper
43 100
58 48.2 24.9 74.6



#60
Dibromochloromethane
Concen: 21.193 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:129 Resp: 46464
Ion Ratio Lower Upper
129 100
127 80.0 38.6 116.0

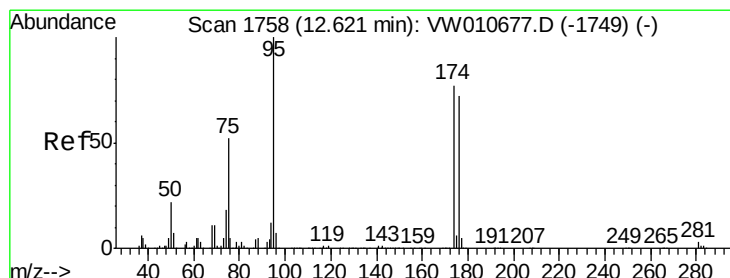
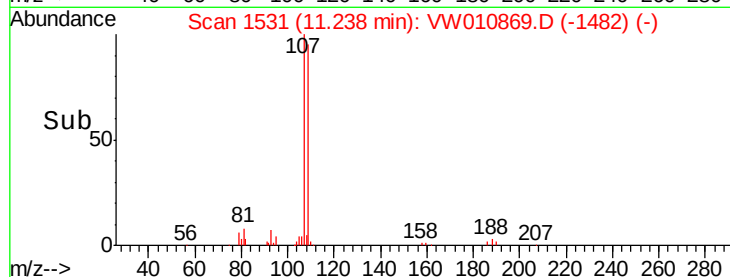
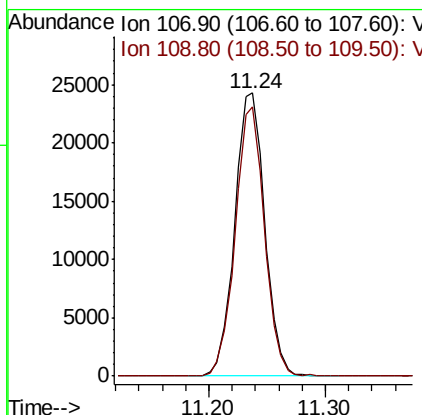
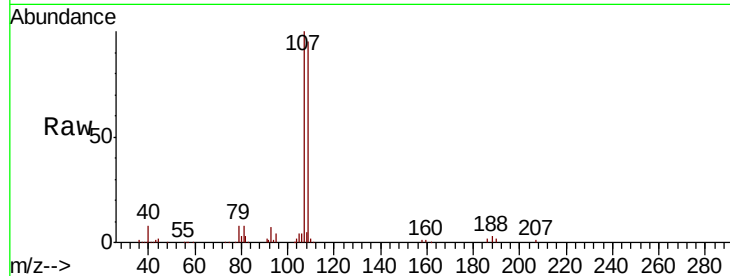




#61
 1,2-Dibromoethane
 Concen: 23.272 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

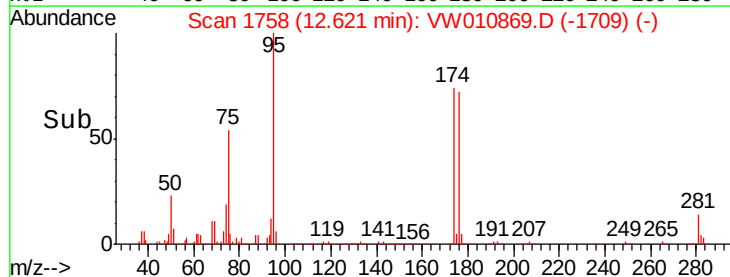
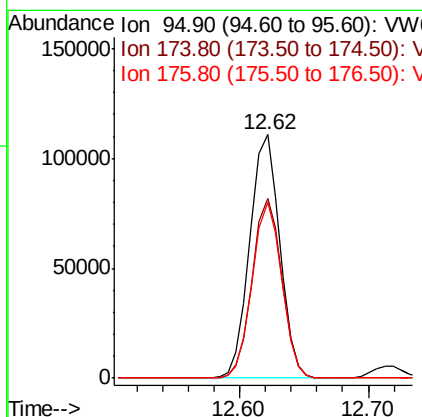
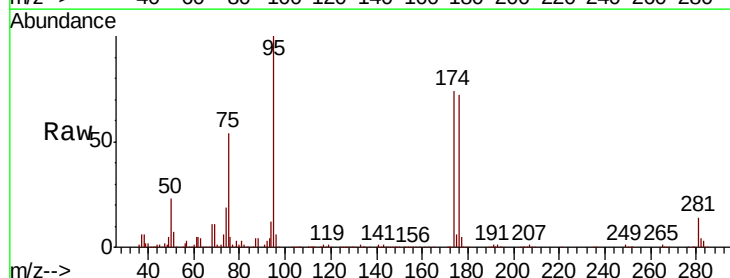
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBS02

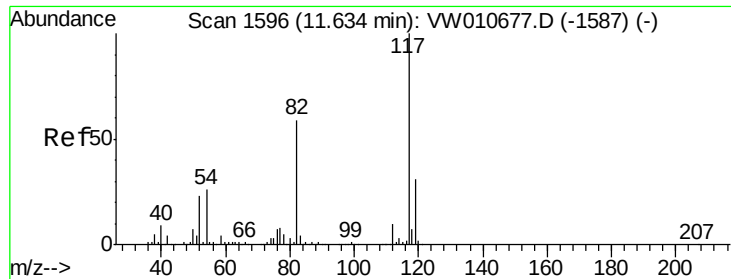
Tot Ion: 107 Resp: 43610
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 51.294 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 95 Resp: 177645
 Ion Ratio Lower Upper
 95 100
 174 73.0 0.0 150.4
 176 71.2 0.0 144.8

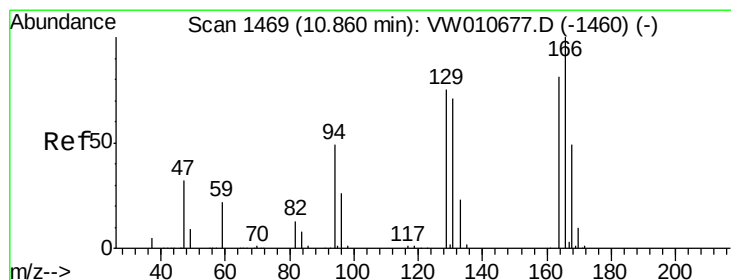
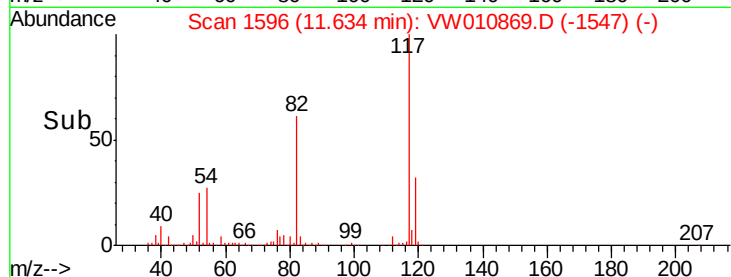
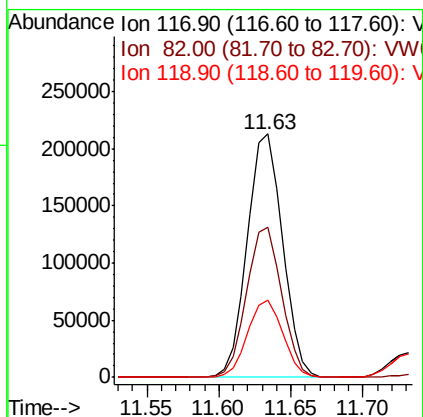
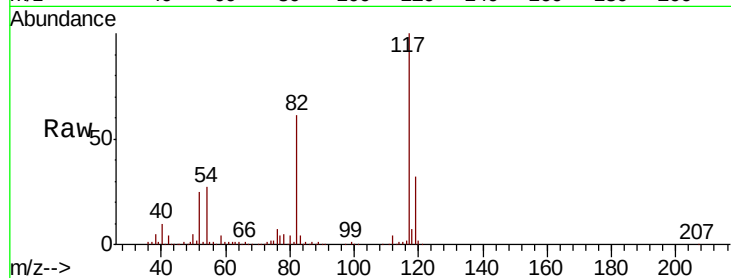




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

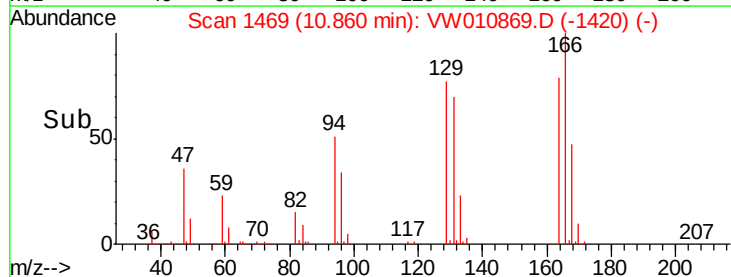
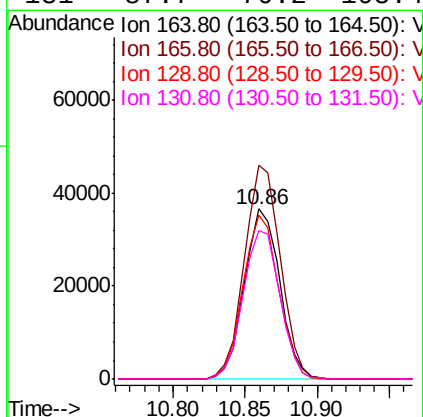
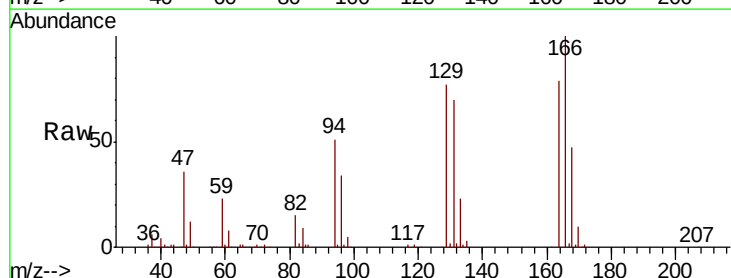
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

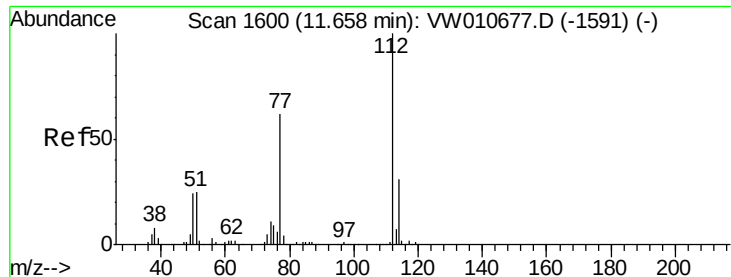
Tot Ion:117 Resp: 361519
Ion Ratio Lower Upper
117 100
82 61.5 47.0 70.4
119 31.8 25.1 37.7



#64
Tetrachloroethene
Concen: 25.960 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:164 Resp: 62312
Ion Ratio Lower Upper
164 100
166 125.9 99.2 148.8
129 96.4 74.6 112.0
131 87.7 70.2 105.4

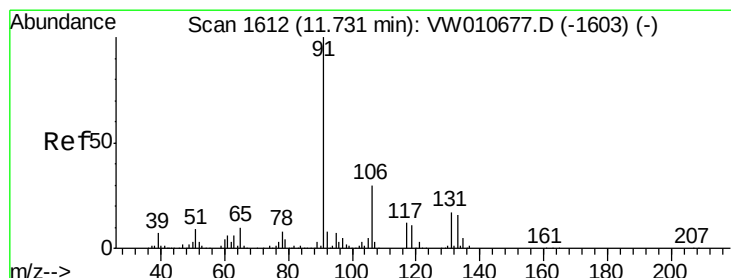
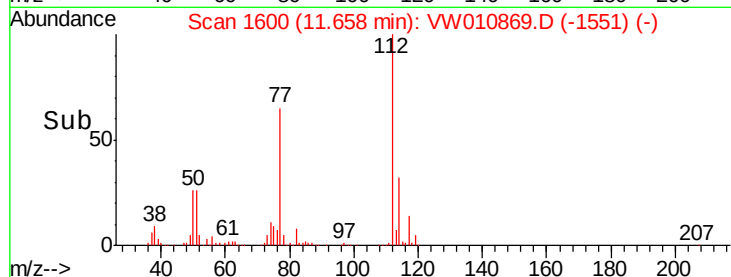
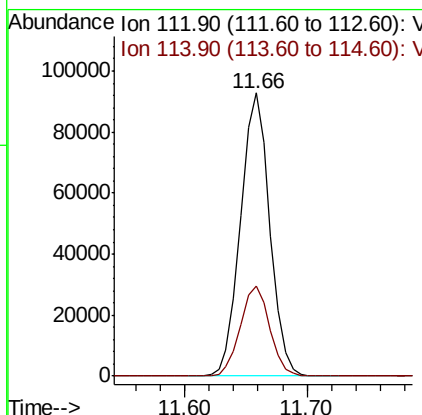
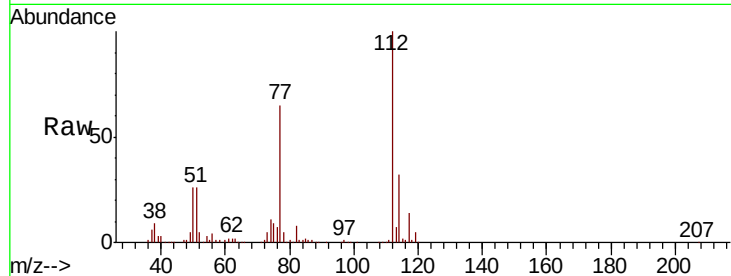




#65
Chlorobenzene
Concen: 21.568 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

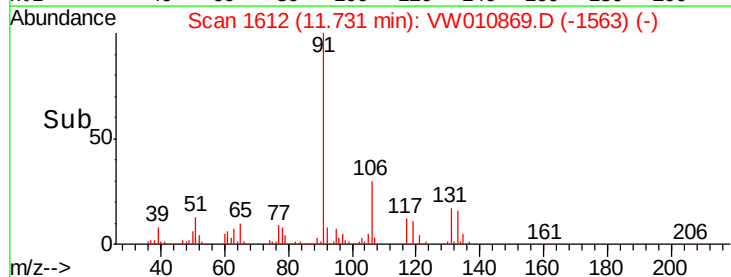
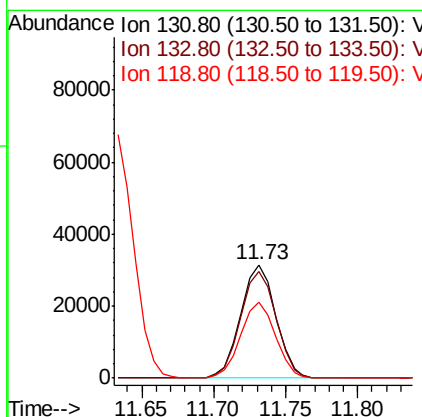
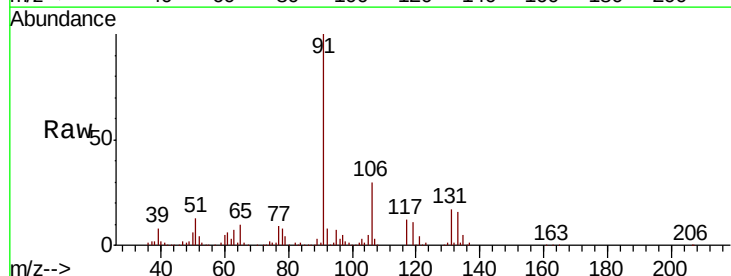
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

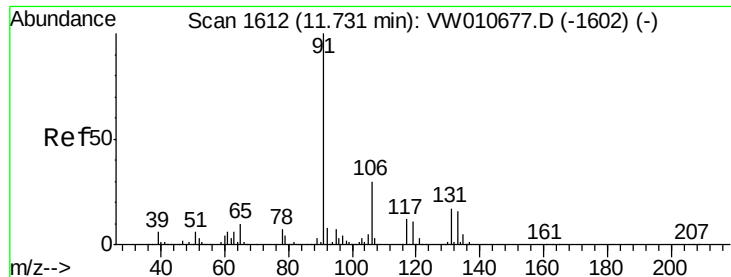
Tot Ion:112 Resp: 153329
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.641 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:131 Resp: 53258
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 66.3 32.4 97.0





#67

Ethyl Benzene

Concen: 21.179 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleID :

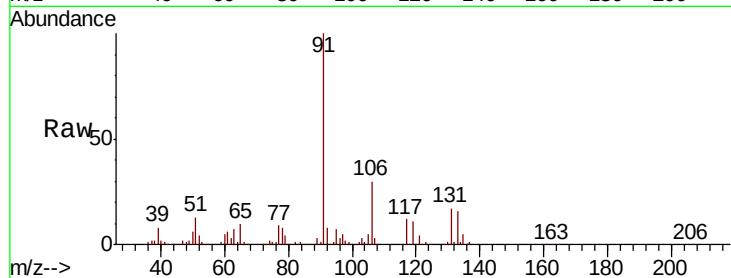
VW0619SBSD02

Tot Ion: 91 Resp: 289372

Ion Ratio Lower Upper

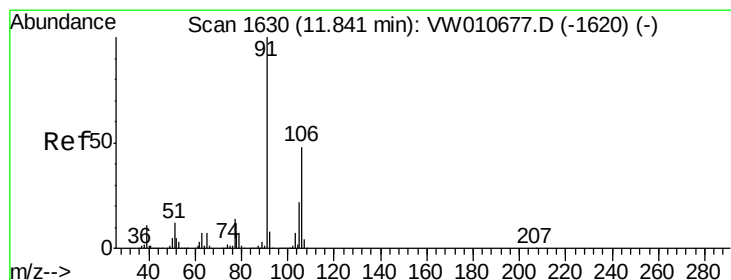
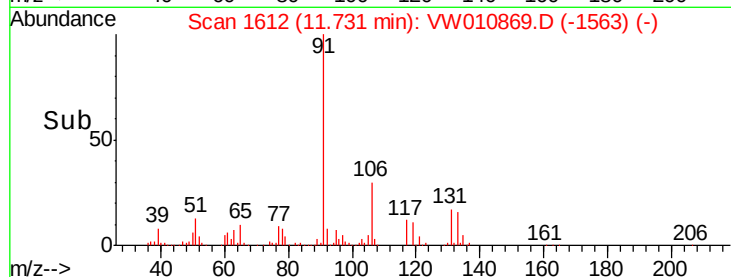
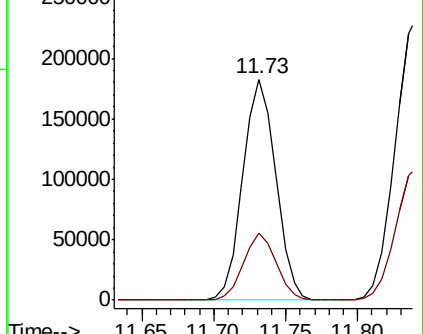
91 100

106 30.2 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 42.483 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW010869.D

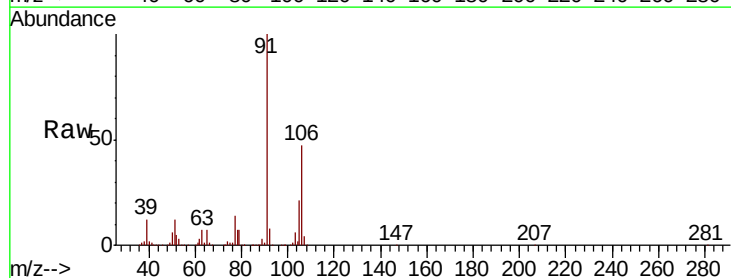
Acq: 20 Jun 2019 01:48

Tgt Ion: 106 Resp: 207783

Ion Ratio Lower Upper

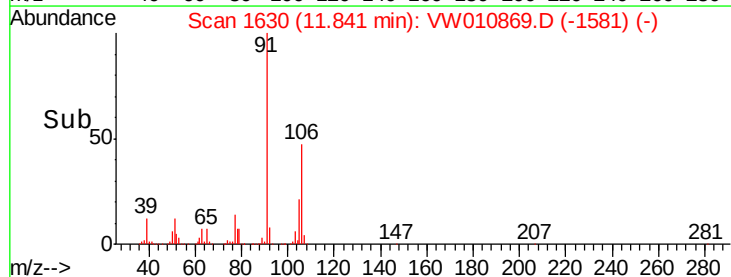
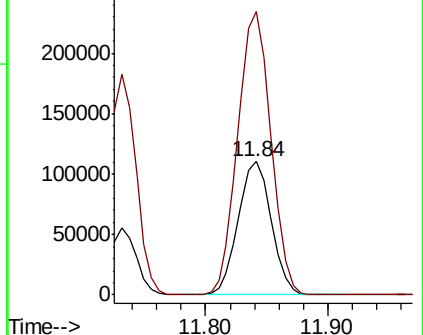
106 100

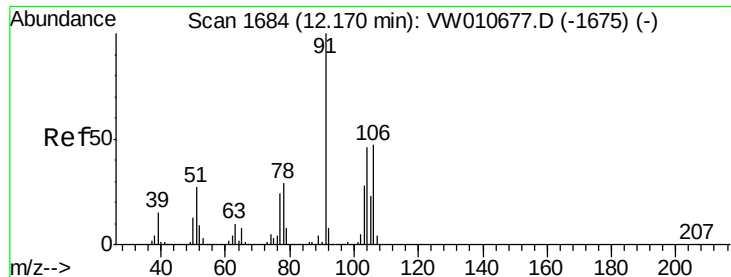
91 212.5 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

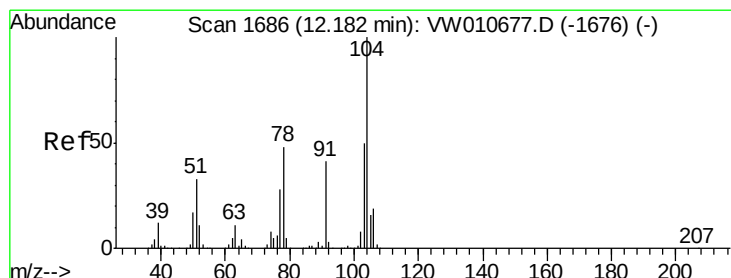
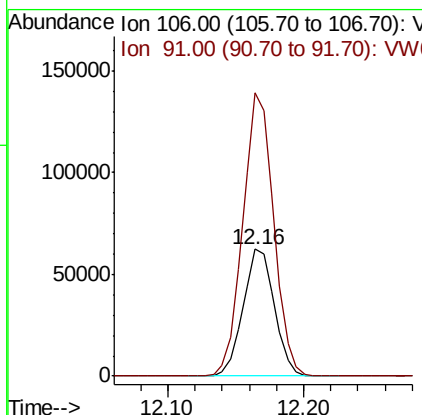
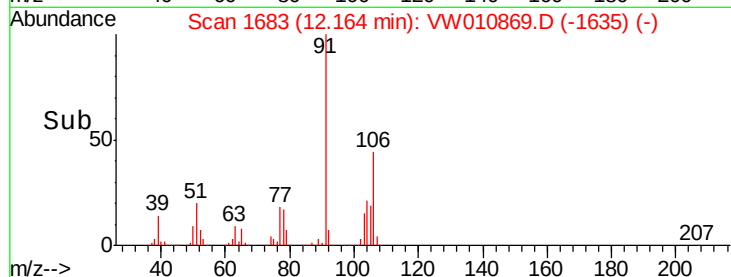
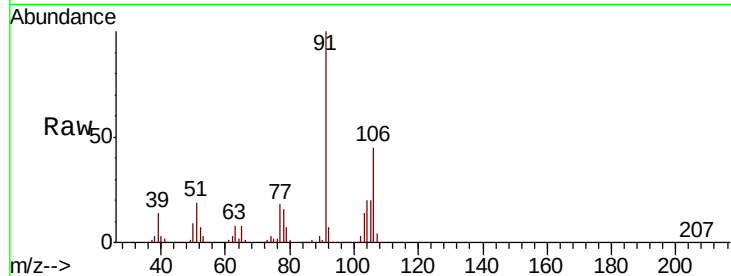




#69
o-Xylene
Concen: 21.679 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

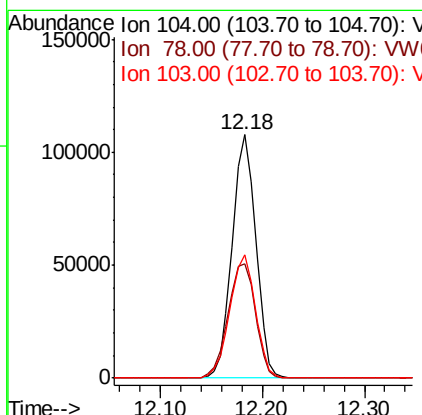
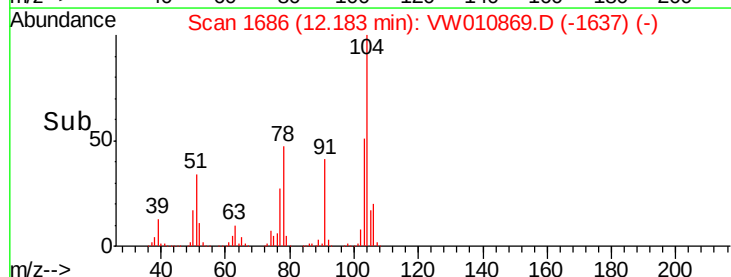
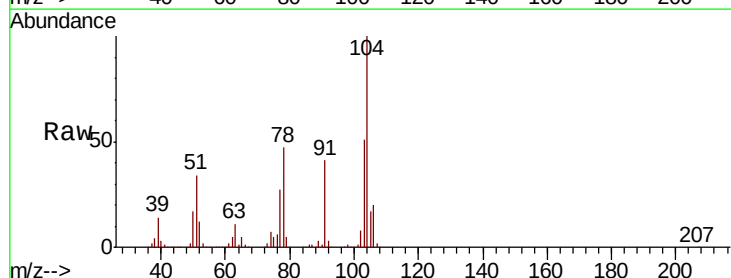
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

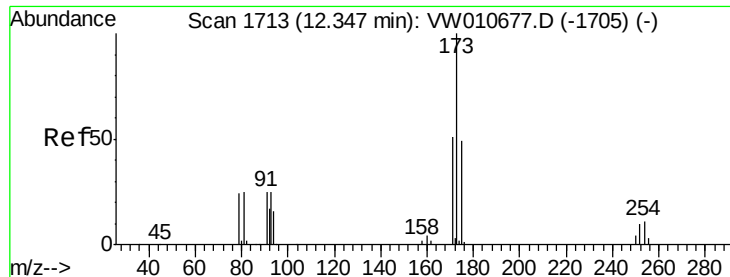
Tot Ion:106 Resp: 100560
Ion Ratio Lower Upper
106 100
91 220.2 108.9 326.6



#70
Styrene
Concen: 21.462 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:104 Resp: 172942
Ion Ratio Lower Upper
104 100
78 54.7 42.7 64.1
103 54.8 43.6 65.4





#71

Bromoform

Concen: 20.768 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

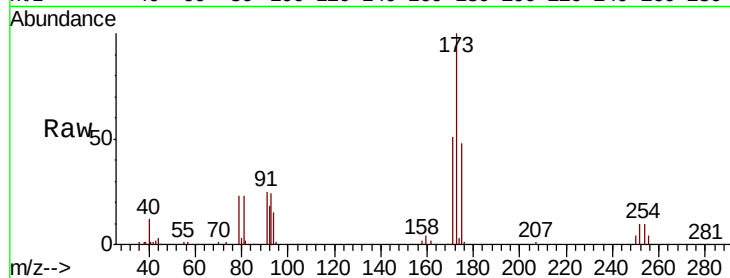
Tot Ion:173 Resp: 26433

Ion Ratio Lower Upper

173 100

175 49.4 24.3 72.8

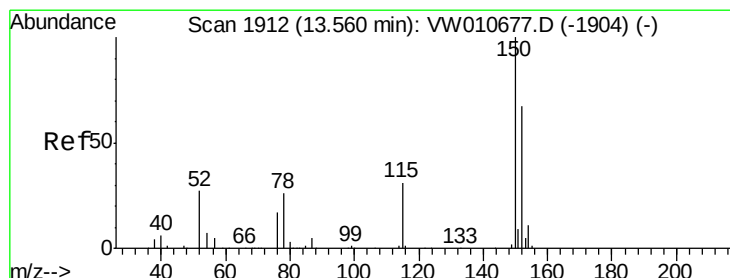
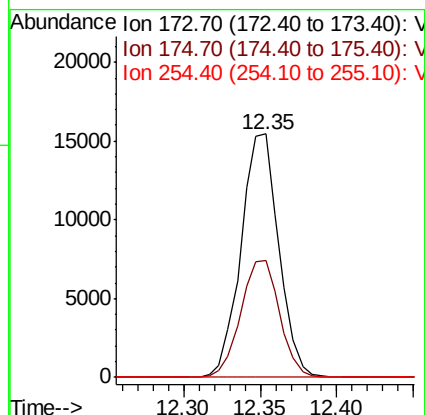
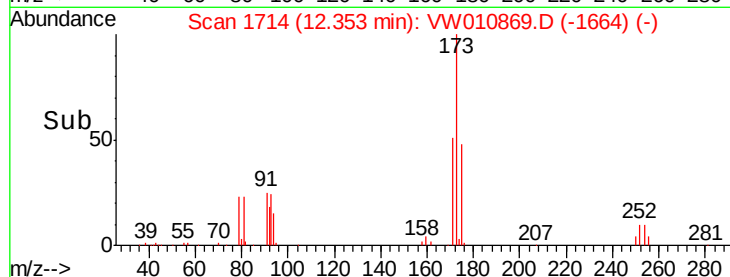
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

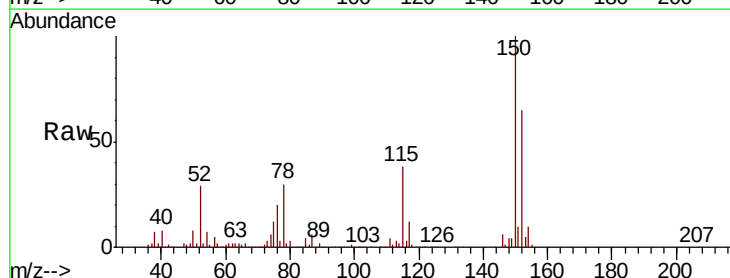
Tgt Ion:152 Resp: 173929

Ion Ratio Lower Upper

152 100

115 61.0 29.8 89.3

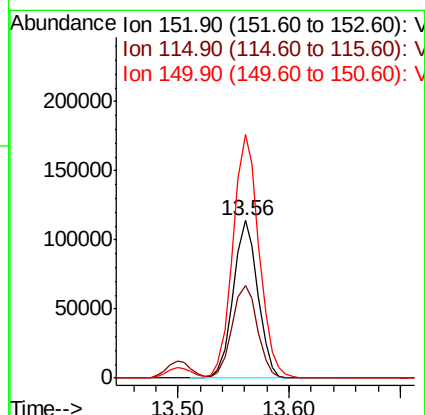
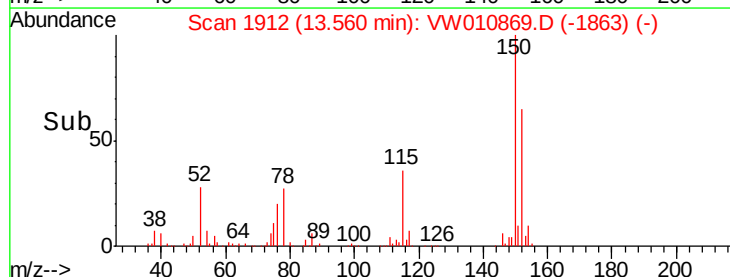
150 164.0 0.0 345.0

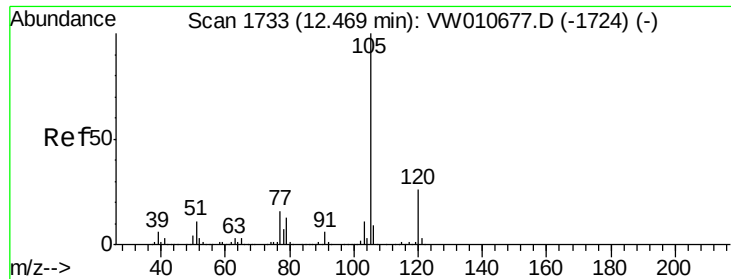


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

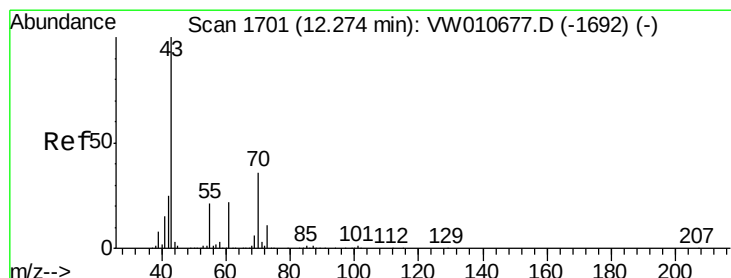
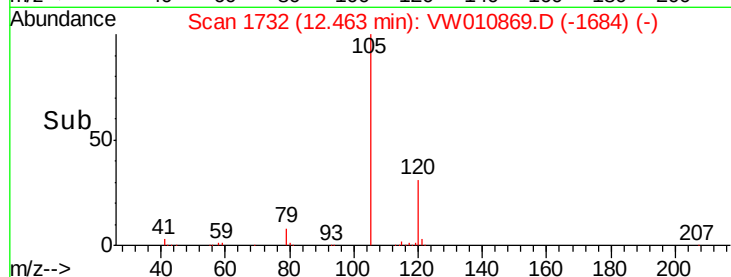
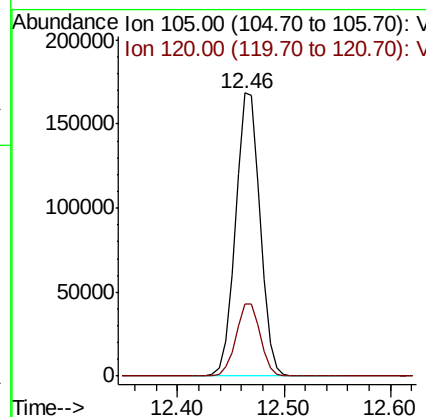
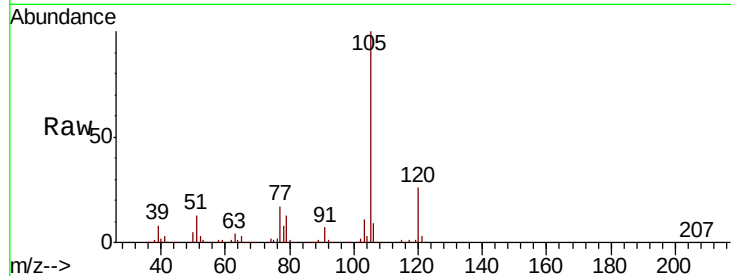




#73
Isopropylbenzene
Concen: 20.807 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

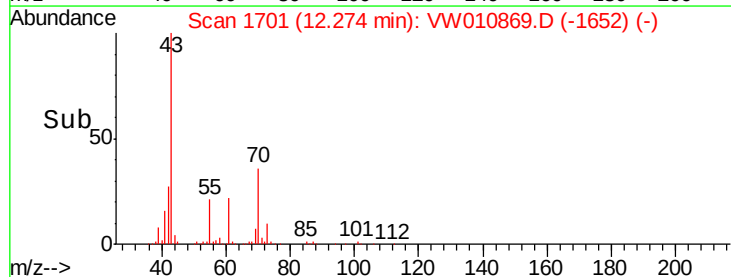
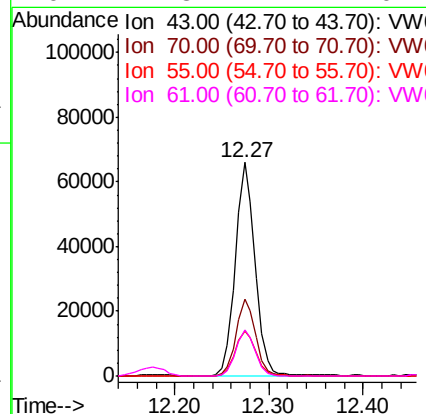
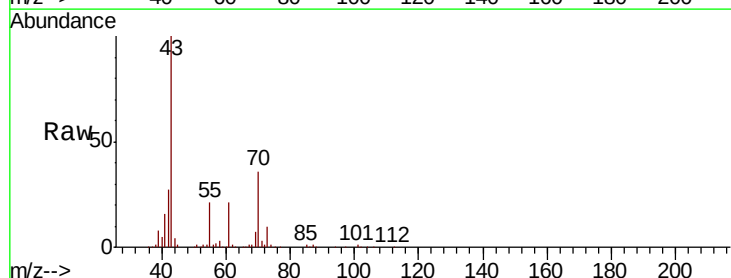
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBS02

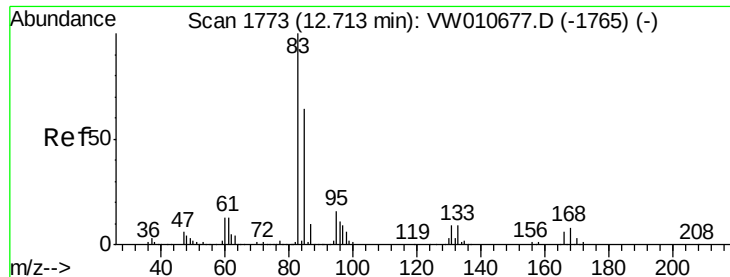
Tot Ion:105 Resp: 271949
Ion Ratio Lower Upper
105 100
120 25.5 13.1 39.1



#74
N-ethyl acetate
Concen: 22.698 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion: 43 Resp: 95880
Ion Ratio Lower Upper
43 100
70 35.6 29.2 43.8
55 22.2 17.5 26.3
61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.292 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

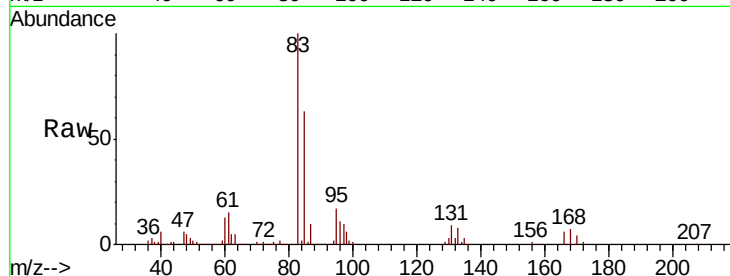
MSVOA_W

ClientSampleId :

VW0619SBSD02

Tot Ion: 83 Resp: 55466

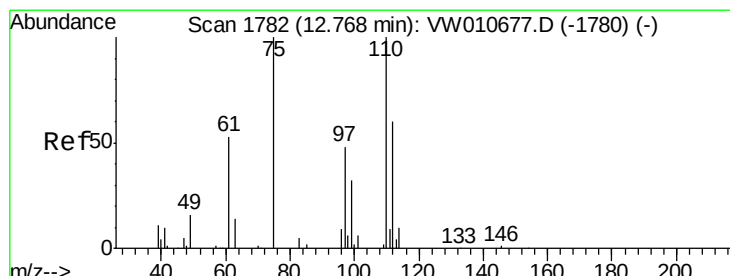
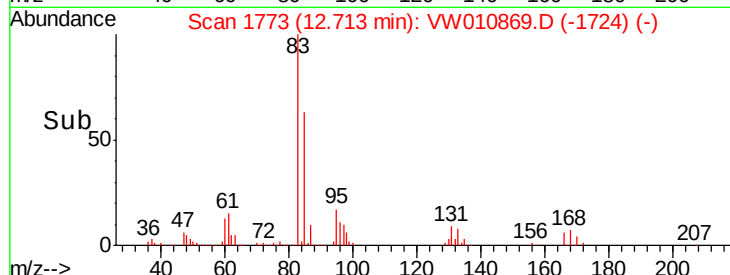
Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	63.6	31.9	95.9



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: 39.862 ug/l

RT: 12.77 min Scan# 1782

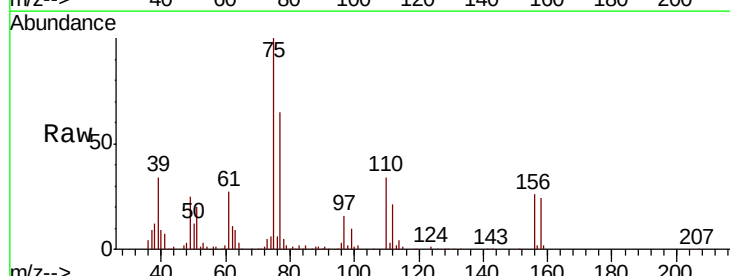
Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

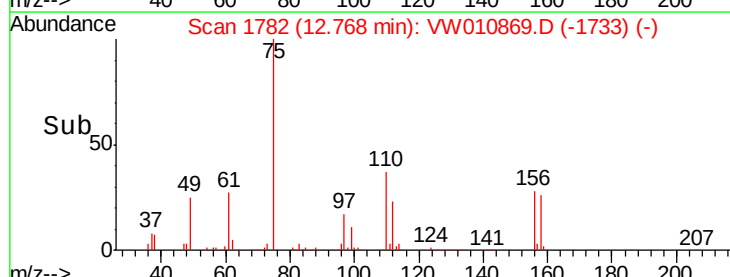
Tgt Ion: 75 Resp: 72807

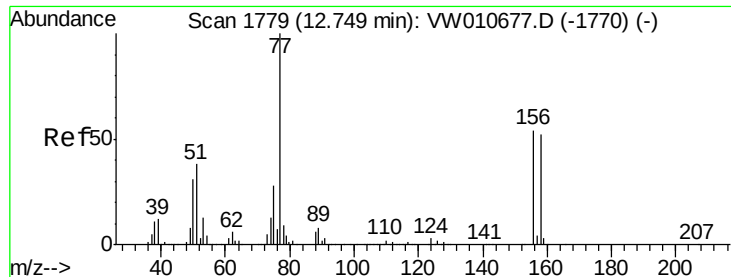
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.597 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

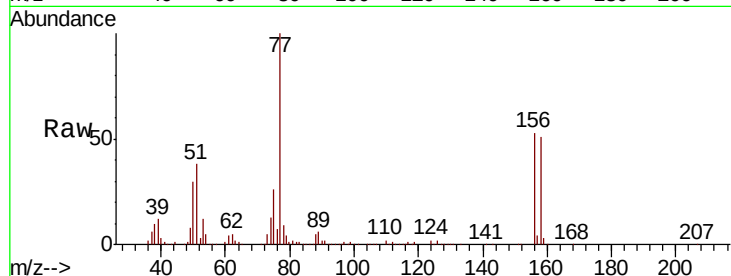
Tot Ion:156 Resp: 61616

Ion Ratio Lower Upper

156 100

77 219.6 106.5 319.4

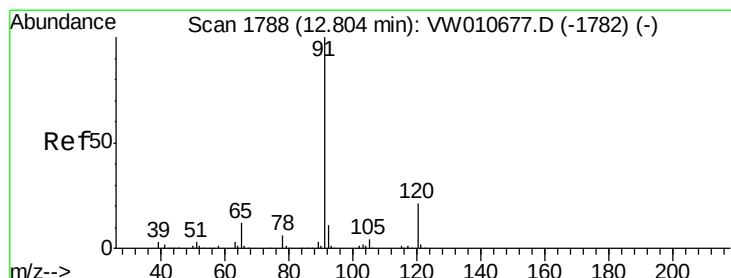
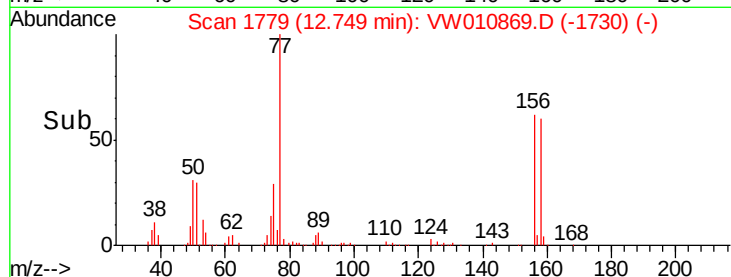
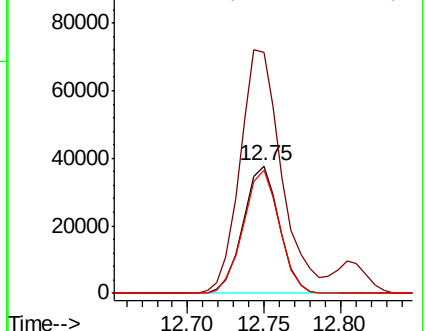
158 97.3 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.925 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010869.D

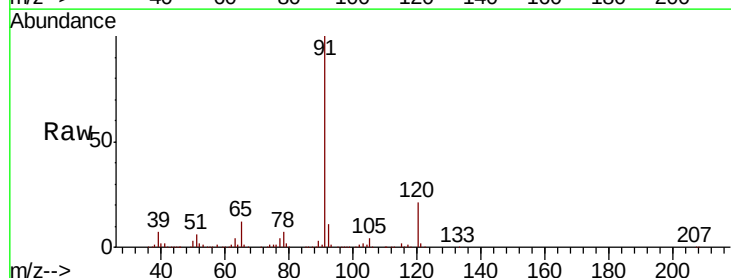
Acq: 20 Jun 2019 01:48

Tgt Ion: 91 Resp: 329781

Ion Ratio Lower Upper

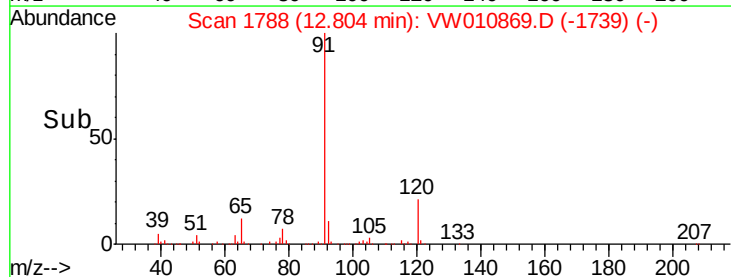
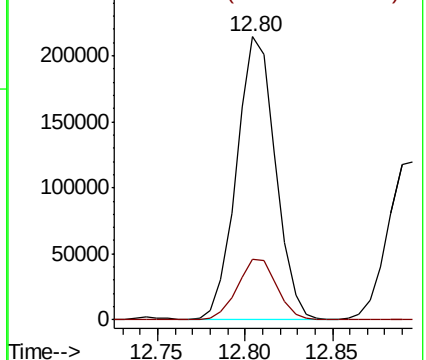
91 100

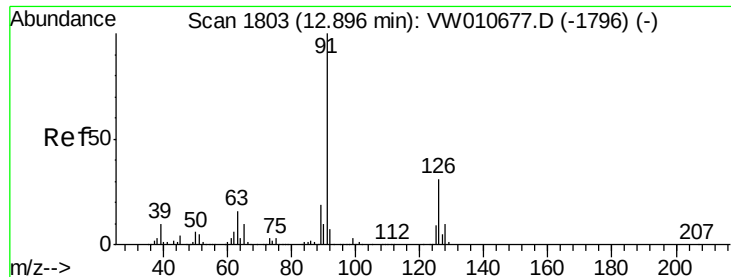
120 21.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.767 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

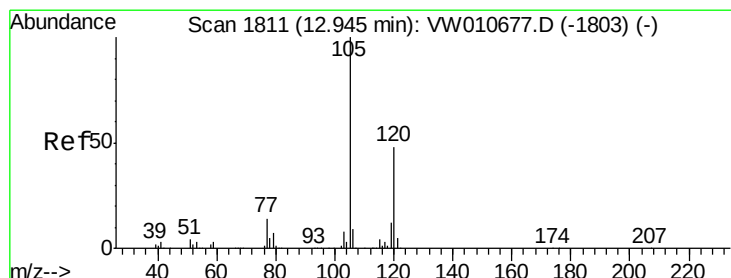
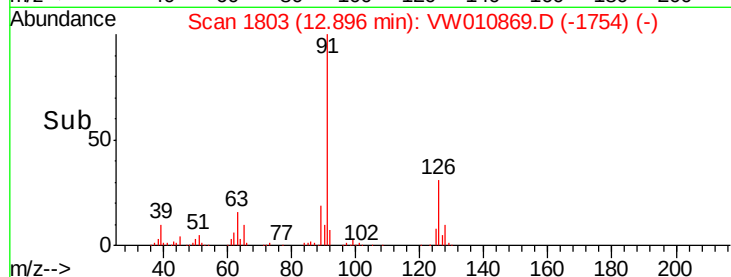
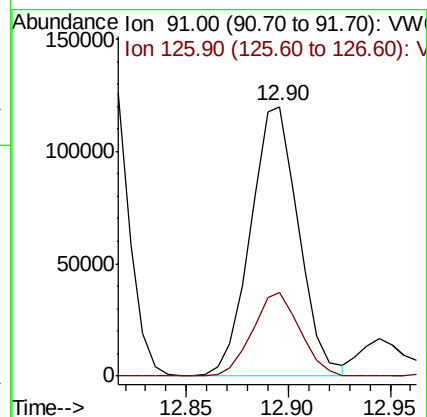
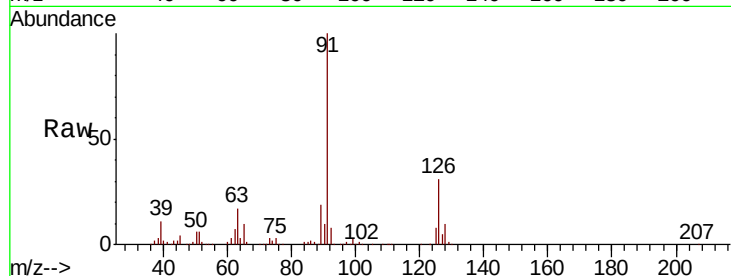
VW0619SBSD02

Tot Ion: 91 Resp: 195985

Ion Ratio Lower Upper

91 100

126 30.7 15.7 47.0



#80

1,3,5-Trimethylbenzene

Concen: 21.298 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010869.D

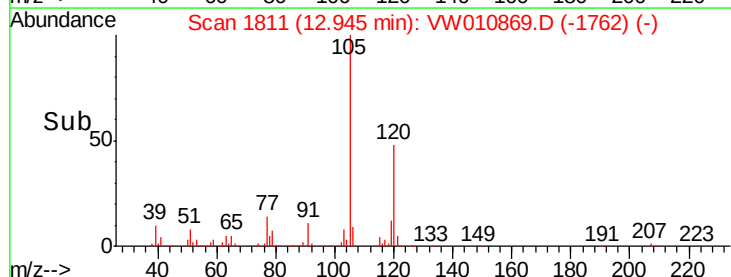
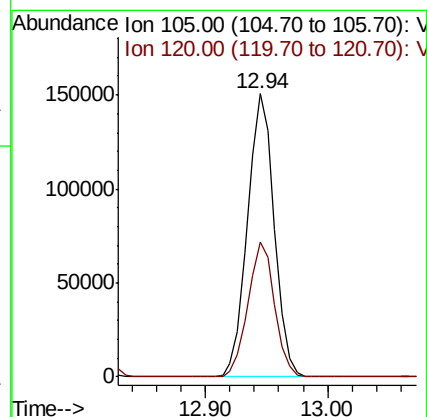
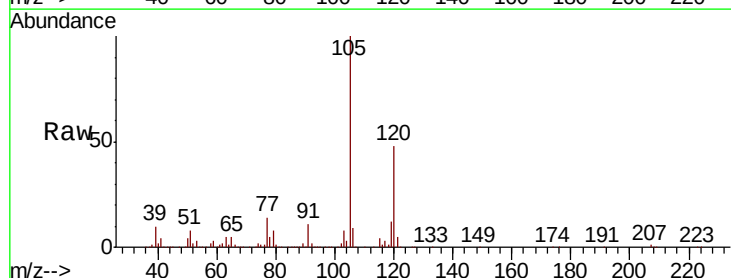
Acq: 20 Jun 2019 01:48

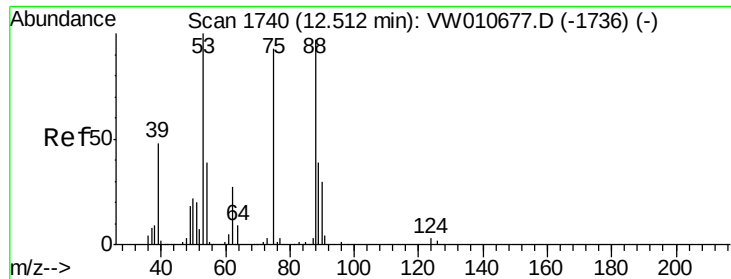
Tgt Ion:105 Resp: 227843

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8

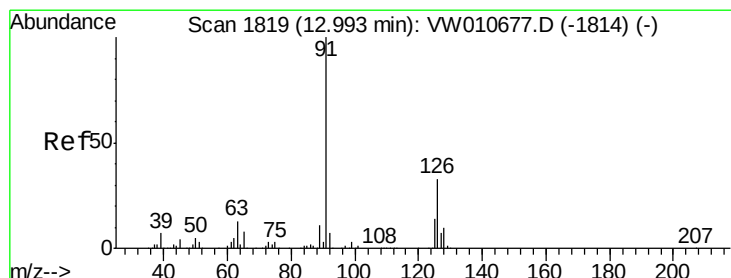
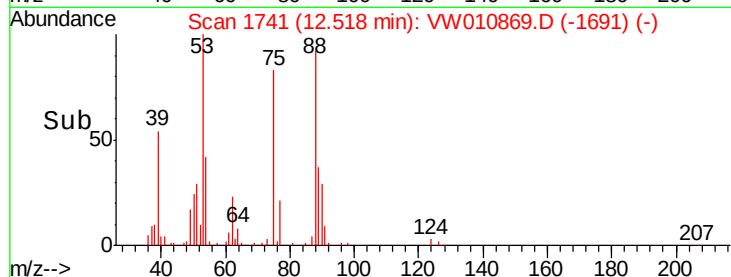
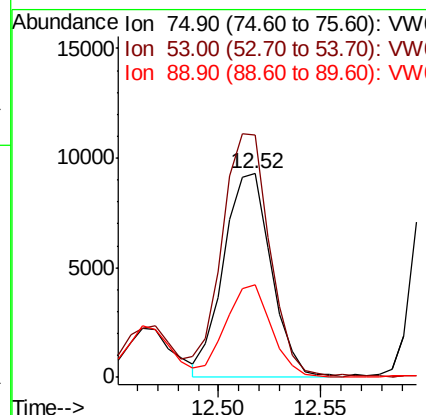
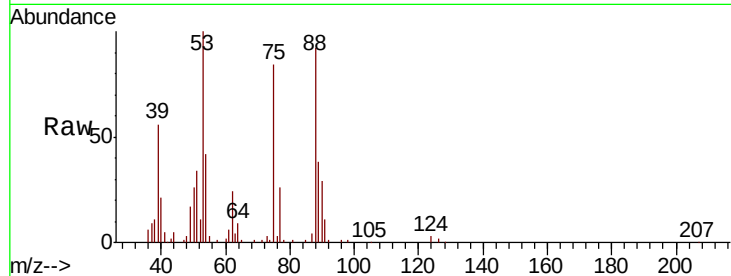




#81
trans-1,4-Dichloro-2-butene
Concen: 18.997 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

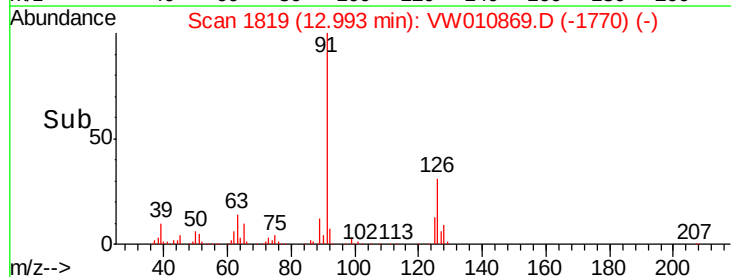
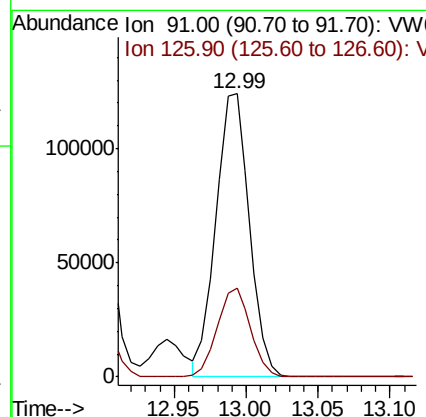
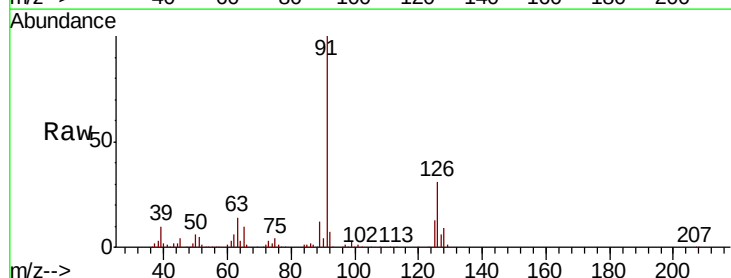
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

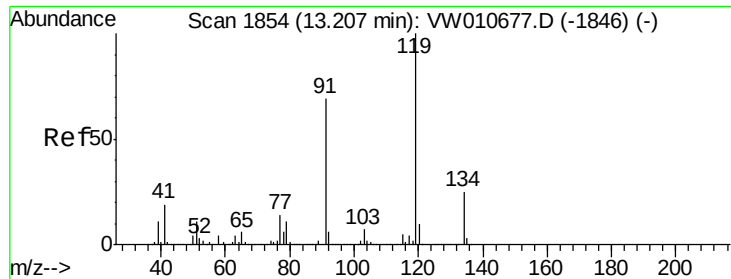
Tot Ion: 75 Resp: 15097
Ion Ratio Lower Upper
75 100
53 122.1 90.1 135.1
89 43.8 34.6 52.0



#82
4-Chlorotoluene
Concen: 21.647 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion: 91 Resp: 201139
Ion Ratio Lower Upper
91 100
126 31.4 15.9 47.7

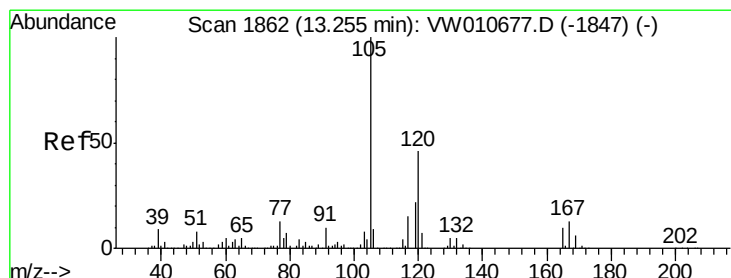
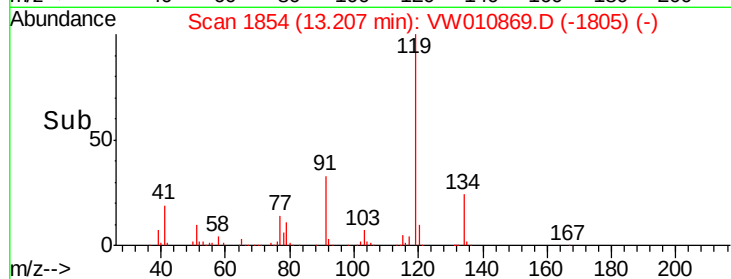
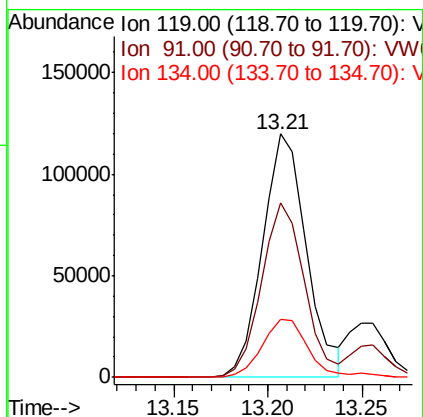
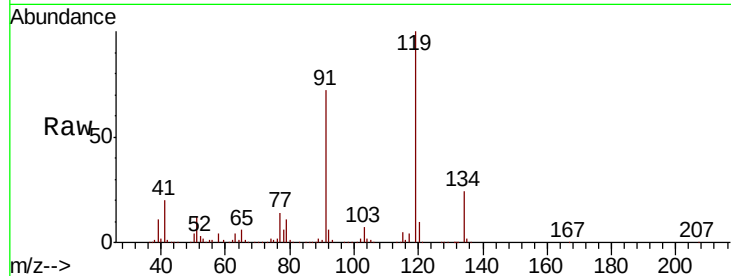




#83
tert-Butylbenzene
Concen: 21.394 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

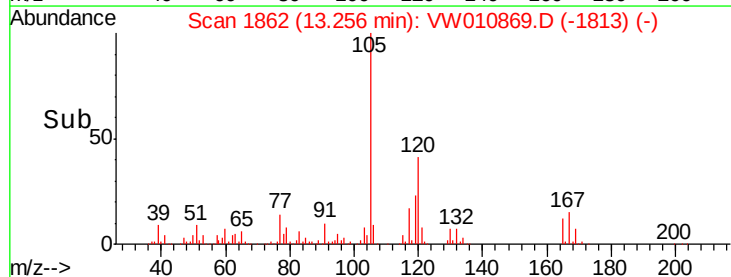
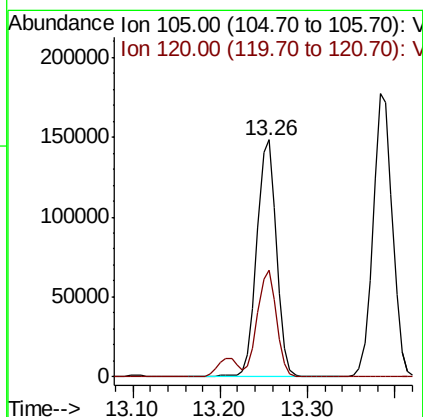
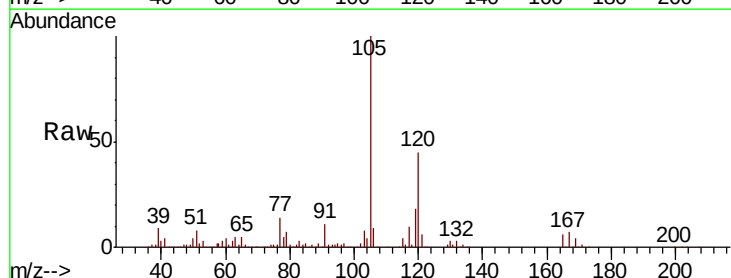
Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

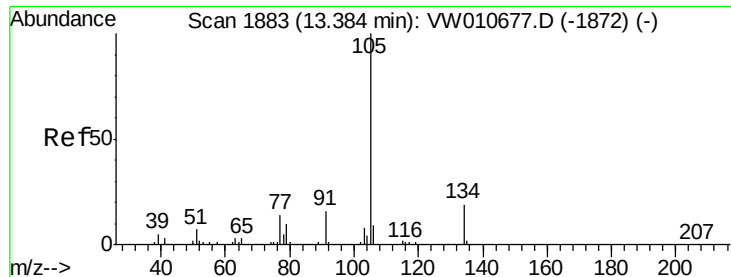
Tot Ion:119 Resp: 194244
Ion Ratio Lower Upper
119 100
91 70.1 35.1 105.3
134 25.6 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 21.405 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:105 Resp: 230438
Ion Ratio Lower Upper
105 100
120 44.0 22.5 67.5

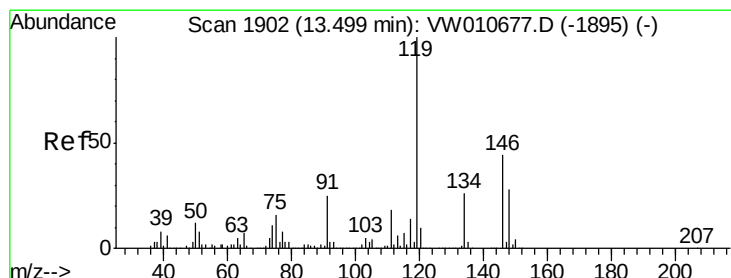
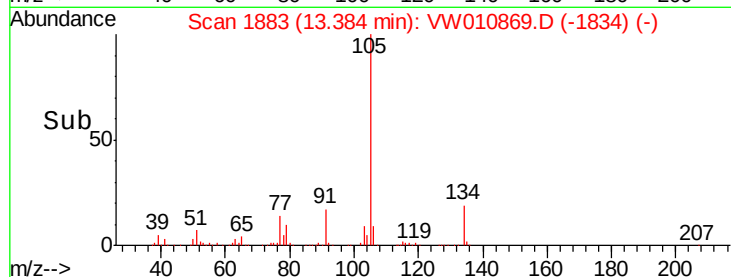
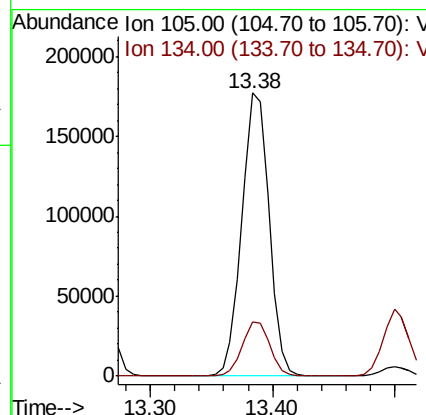
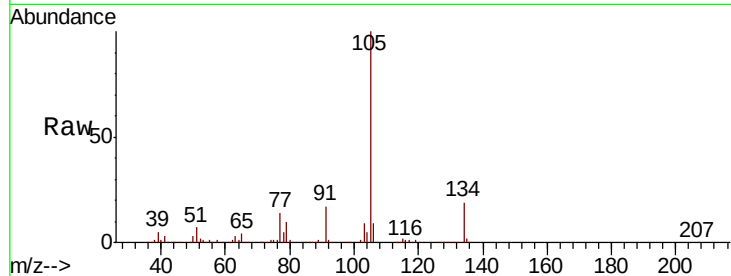




#85
 sec-Butylbenzene
 Concen: 20.677 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

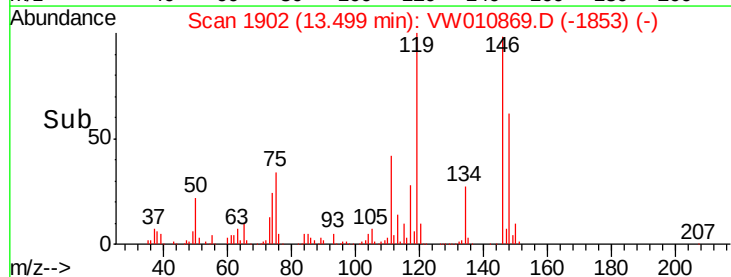
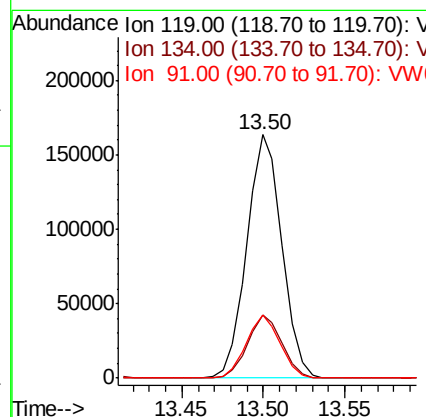
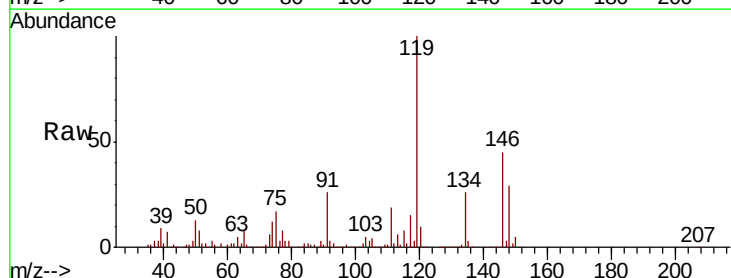
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

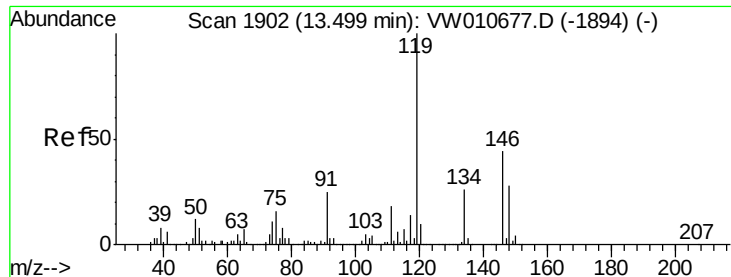
Tot Ion:105 Resp: 273336
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 20.594 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion:119 Resp: 243452
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.0 39.0
 91 25.0 12.2 36.4

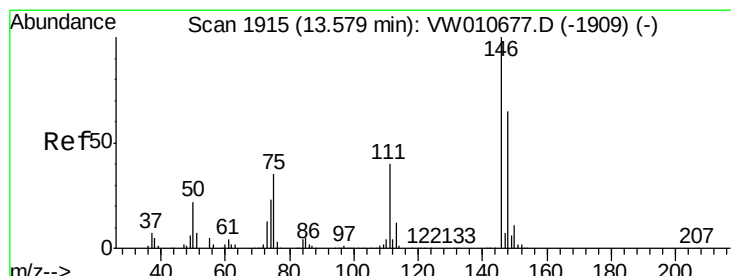
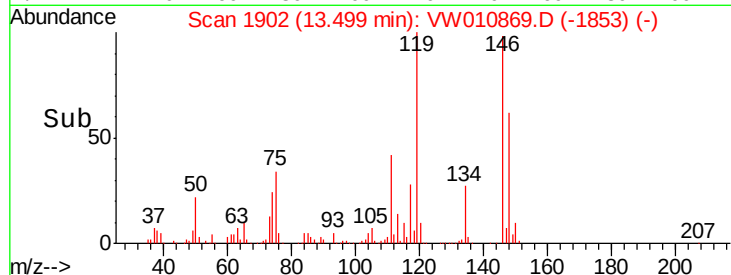
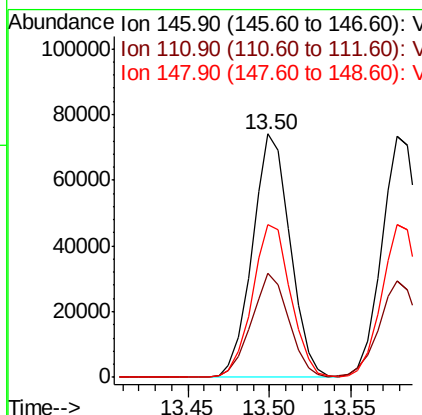
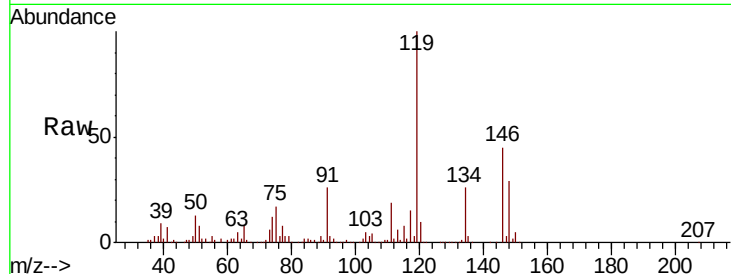




#87
 1,3-Dichlorobenzene
 Concen: 21.562 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

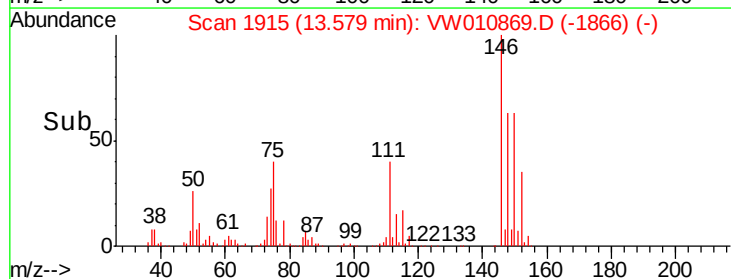
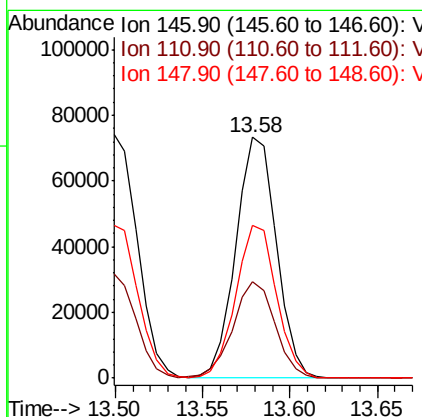
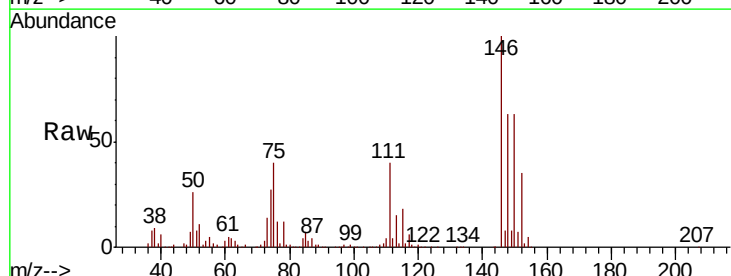
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

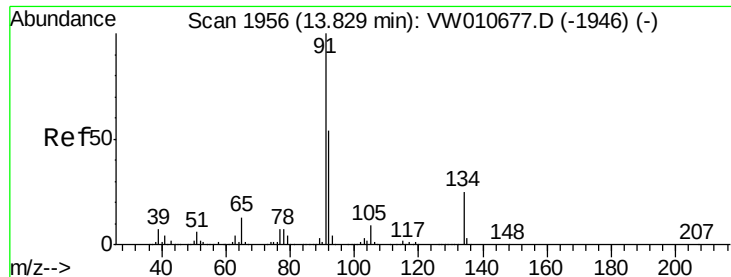
Tot Ion:146 Resp: 118632
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.4 61.3
 148 63.8 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 21.672 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion:146 Resp: 118209
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.3 60.9
 148 63.8 32.4 97.2





#89

n-Butylbenzene

Concen: 20.404 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010869.D

Acq: 20 Jun 2019 01:48

Instrument :

MSVOA_W

ClientSampleId :

VW0619SBSD02

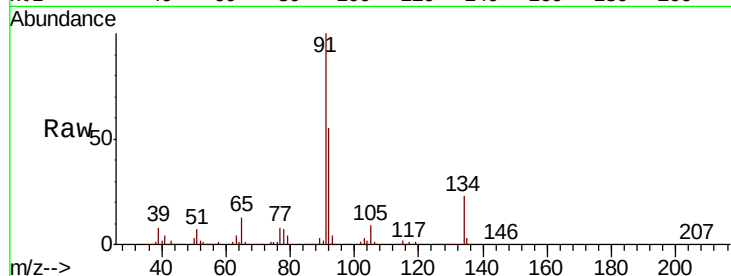
Tot Ion: 91 Resp: 240654

Ion Ratio Lower Upper

91 100

92 54.1 27.3 81.8

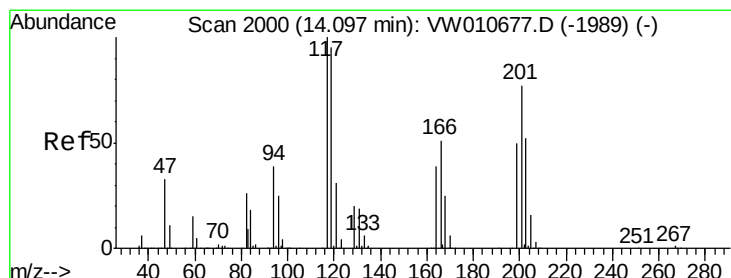
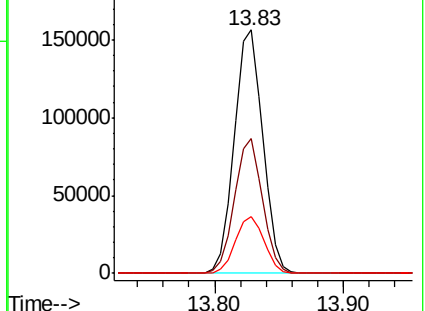
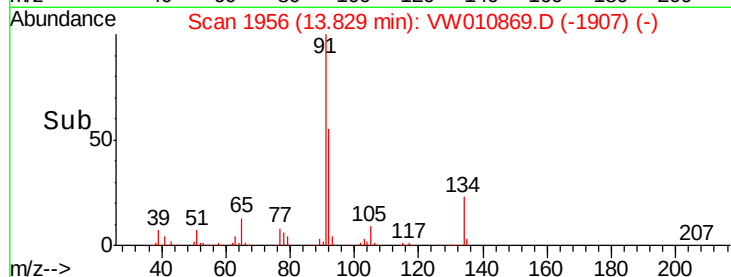
134 23.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.300 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010869.D

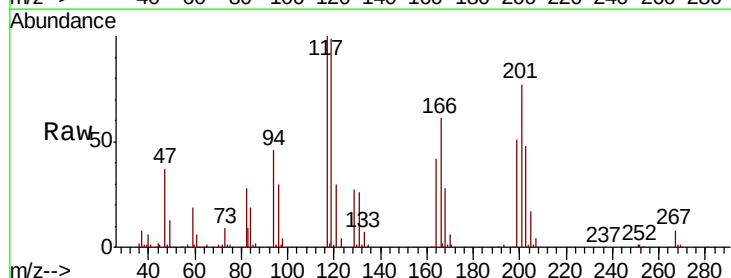
Acq: 20 Jun 2019 01:48

Tgt Ion: 117 Resp: 42974

Ion Ratio Lower Upper

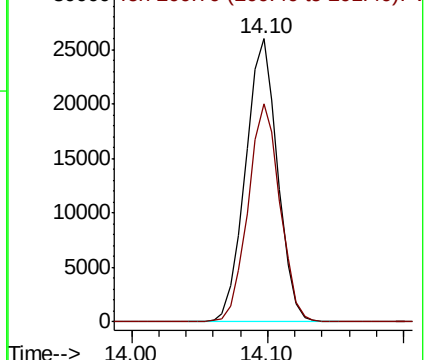
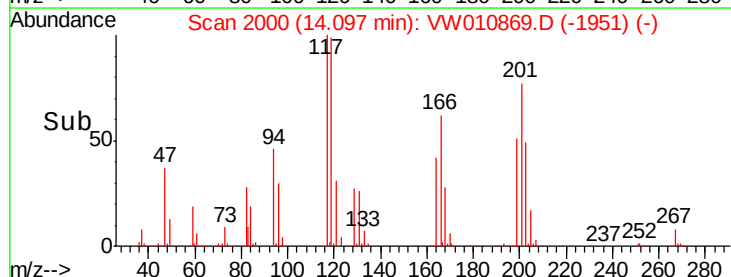
117 100

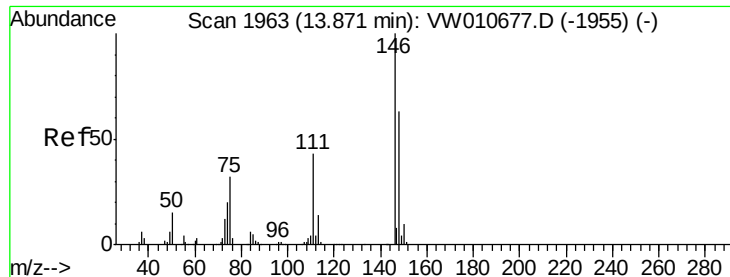
201 76.8 38.8 116.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

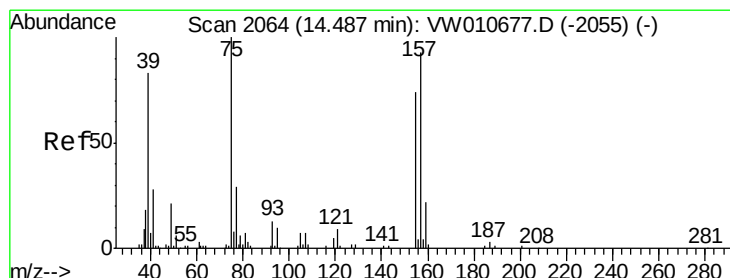
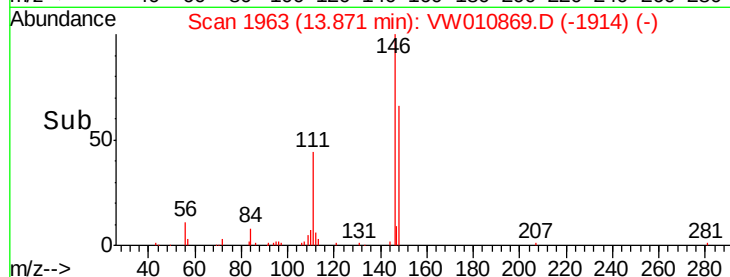
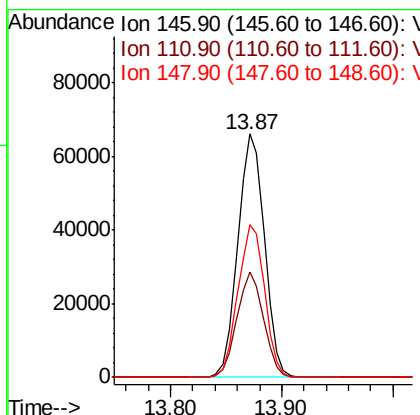
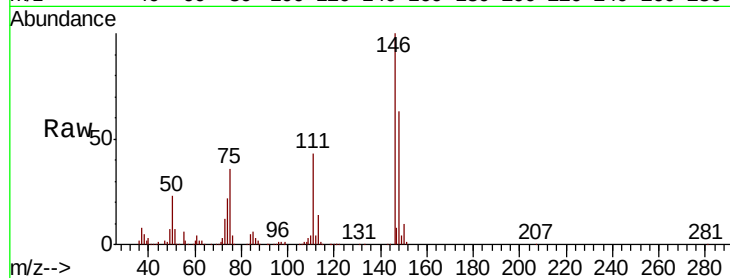




#91
 1,2-Dichlorobenzene
 Concen: 22.014 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

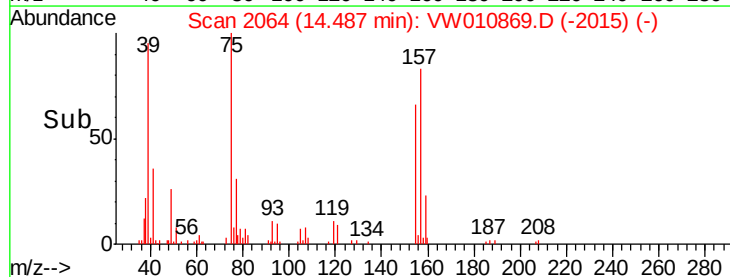
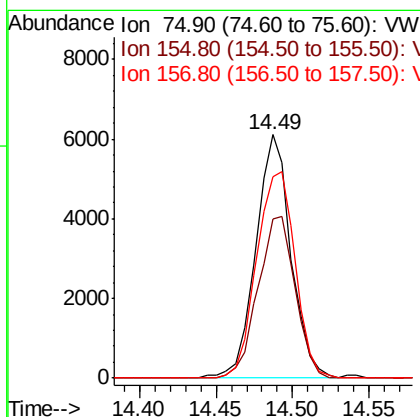
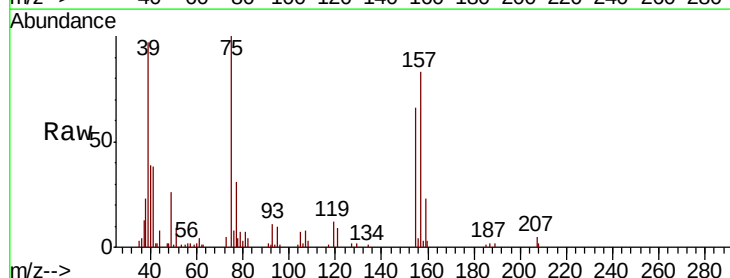
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

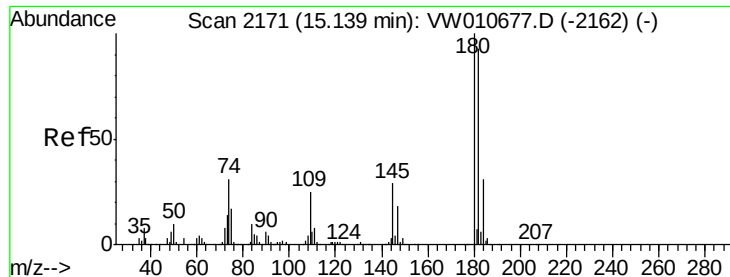
Tot Ion:146 Resp: 108923
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.5 64.5
 148 62.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.894 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion: 75 Resp: 9782
 Ion Ratio Lower Upper
 75 100
 155 70.3 38.8 116.4
 157 92.5 48.4 145.0

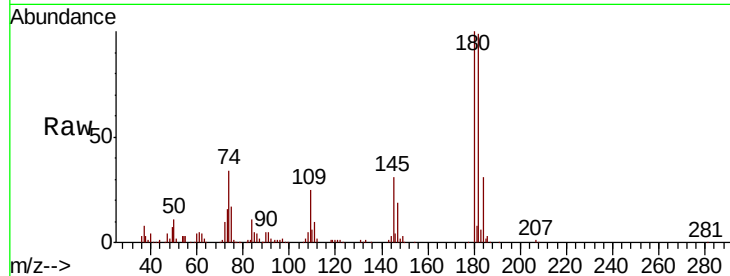




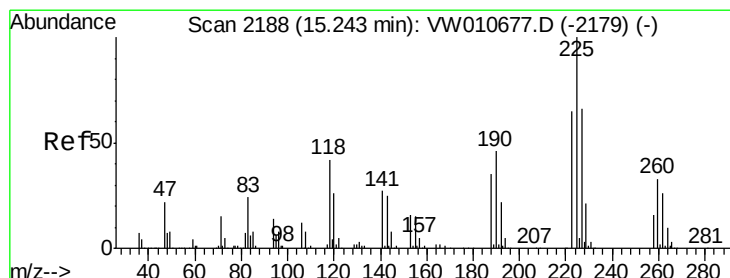
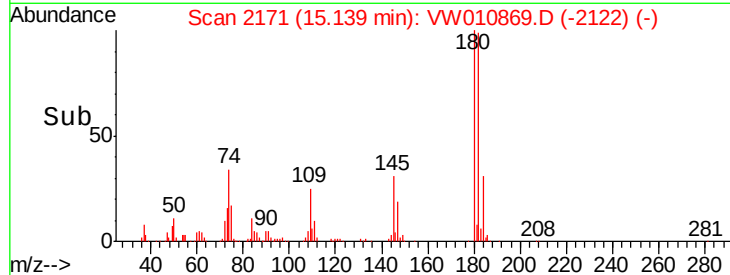
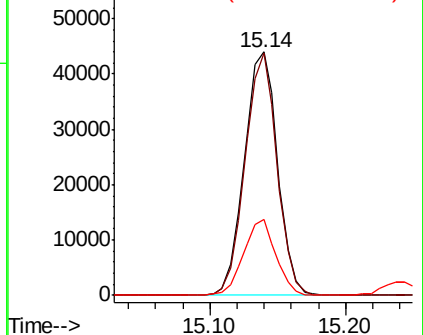
#93
 1,2,4-Trichlorobenzene
 Concen: 21.616 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0619SBSD02

Tot Ion:180 Resp: 75054
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.1 141.4
 145 30.5 15.2 45.5

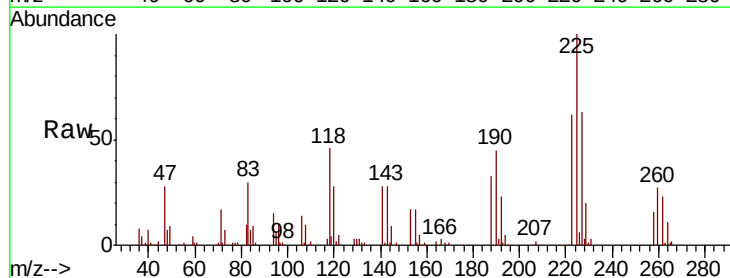


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

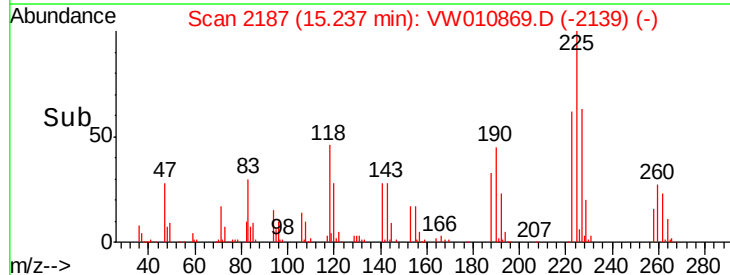
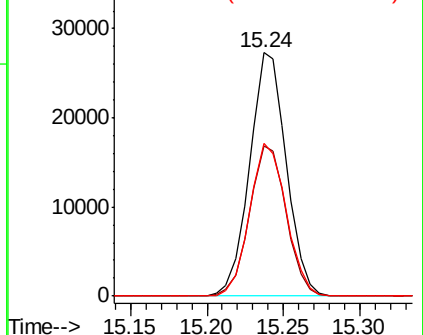


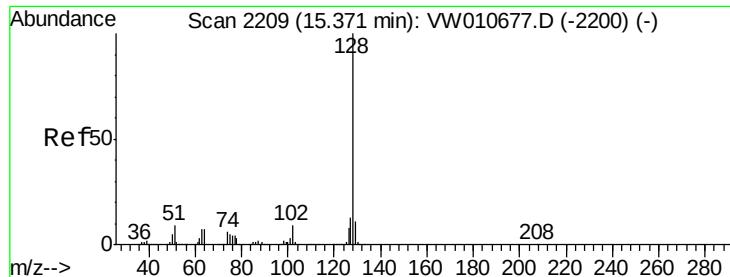
#94
 Hexachlorobutadiene
 Concen: 20.912 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010869.D
 Acq: 20 Jun 2019 01:48

Tgt Ion:225 Resp: 45570
 Ion Ratio Lower Upper
 225 100
 223 61.9 32.2 96.6
 227 62.7 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

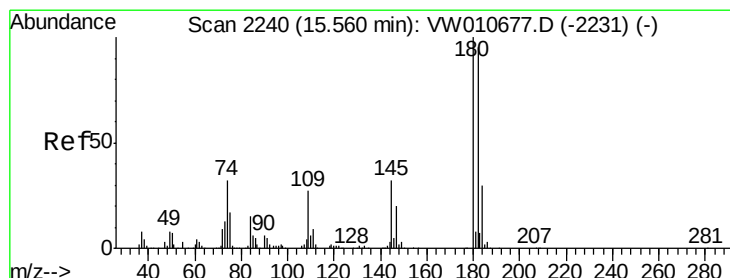
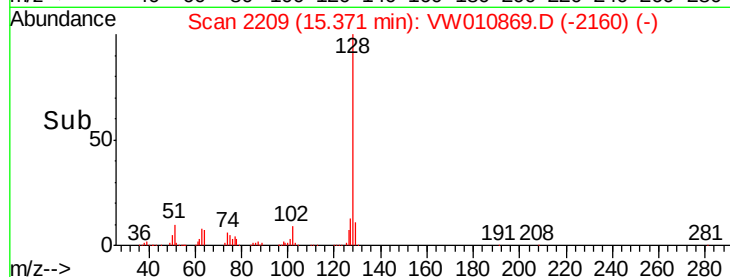
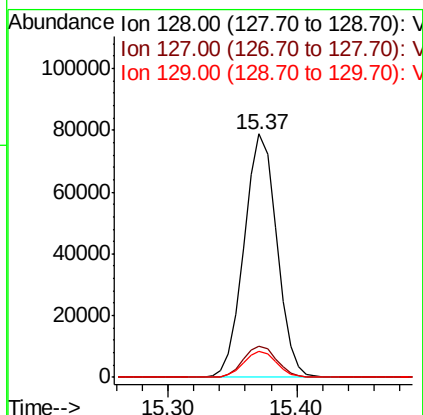
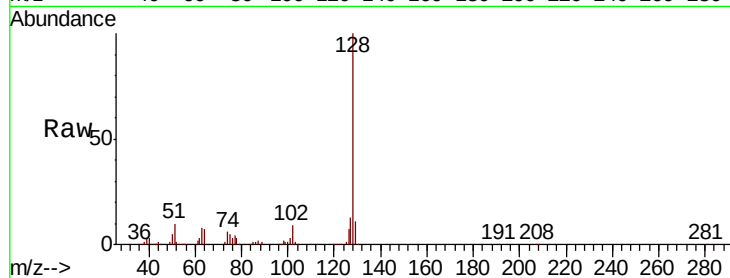




#95
Naphthalene
Concen: 21.923 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Instrument :
MSVOA_W
ClientSampleId :
VW0619SBSD02

Tot Ion:128 Resp: 138302
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.428 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010869.D
Acq: 20 Jun 2019 01:48

Tgt Ion:180 Resp: 66228
Ion Ratio Lower Upper
180 100
182 94.2 47.0 141.0
145 32.3 16.1 48.3

