

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW101618\
 Data File : VW006096.D
 Acq On : 17 Oct 2018 00:55
 Operator : VA/AP
 Sample : VW1016SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Quant Time: Oct 17 02:15:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	367595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	189595	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	110212	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
35) Dibromofluoromethane	7.88	113	110801	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	10.33	98	416639	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.62	95	155092	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	20263	16.550	ug/l	100
3) Chloromethane	2.21	50	29247	18.557	ug/l	94
4) Vinyl Chloride	2.37	62	43999	19.549	ug/l	98
5) Bromomethane	2.78	94	47218	23.066	ug/l	98
6) Chloroethane	2.93	64	33959	21.054	ug/l	97
7) Trichlorofluoromethane	3.26	101	37132	17.710	ug/l	99
8) Diethyl Ether	3.68	74	24736	22.198	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44087	20.064	ug/l	99
10) Methyl Iodide	4.26	142	76558	20.933	ug/l	100
11) Tert butyl alcohol	5.21	59	15542	112.661	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	42832	20.719	ug/l	91
13) Acrolein	3.90	56	14091	105.560	ug/l	91
14) Allyl chloride	4.67	41	60024	20.307	ug/l	100
15) Acrylonitrile	5.38	53	46288	115.814	ug/l	99
16) Acetone	4.14	43	41004	97.524	ug/l	98
17) Carbon Disulfide	4.38	76	121415	19.461	ug/l	99
18) Methyl Acetate	4.68	43	23539	22.803	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	67844	21.547	ug/l	100
20) Methylene Chloride	4.91	84	50586	22.409	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49272	21.353	ug/l	99
22) Diisopropyl ether	6.32	45	125046	21.408	ug/l	99
23) Vinyl Acetate	6.26	43	369794	107.274	ug/l	100
24) 1,1-Dichloroethane	6.21	63	81726	21.683	ug/l	99
25) 2-Butanone	7.18	43	61913	111.729	ug/l	98
26) 2,2-Dichloropropane	7.17	77	48491	18.241	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	56042	22.009	ug/l	98
28) Bromochloromethane	7.51	49	28229	19.400	ug/l	98
29) Tetrahydrofuran	7.54	42	39334	115.480	ug/l	98
30) Chloroform	7.68	83	88999	21.673	ug/l	99
31) Cyclohexane	7.95	56	73375	19.549	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	75178	20.295	ug/l	98
36) 1,1-Dichloropropene	8.09	75	69582	20.537	ug/l	100
37) Ethyl Acetate	7.26	43	27900	22.163	ug/l	99
38) Carbon Tetrachloride	8.07	117	72385	19.488	ug/l	98

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Quant Time: Oct 17 02:15:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89100	19.783	ug/l	95
40) Benzene	8.32	78	196530	21.146	ug/l	98
41) Methacrylonitrile	7.49	41	15991	21.072	ug/l	94
42) 1,2-Dichloroethane	8.40	62	58940	21.585	ug/l	100
43) Isopropyl Acetate	8.43	43	54572	21.202	ug/l	99
44) Trichloroethene	9.09	130	59564	20.889	ug/l	97
45) 1,2-Dichloropropane	9.37	63	46457	20.889	ug/l	99
46) Dibromomethane	9.46	93	27822	21.949	ug/l	99
47) Bromodichloromethane	9.65	83	63002	20.501	ug/l	99
48) Methyl methacrylate	9.44	41	26216	21.488	ug/l	97
49) 1,4-Dioxane	9.48	88	9244	473.712	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	144051	111.701	ug/l	100
52) Toluene	10.39	92	131707	21.137	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	60015	19.601	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	71028	20.212	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38549	21.732	ug/l	98
56) Ethyl methacrylate	10.65	69	46374	21.325	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63759	21.713	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	90189	108.540	ug/l	99
59) 2-Hexanone	10.98	43	98745	107.265	ug/l	98
60) Dibromochloromethane	11.13	129	45651	20.661	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38191	21.548	ug/l	98
64) Tetrachloroethene	10.87	164	56671	21.486	ug/l	98
65) Chlorobenzene	11.66	112	152588	20.979	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	53380	20.651	ug/l	99
67) Ethyl Benzene	11.74	91	261182	20.720	ug/l	99
68) m/p-Xylenes	11.84	106	205066	41.160	ug/l	99
69) o-Xylene	12.17	106	97332	20.499	ug/l	99
70) Styrene	12.18	104	159399	20.644	ug/l	99
71) Bromoform	12.35	173	28130	19.511	ug/l #	97
73) Isopropylbenzene	12.47	105	274072	20.462	ug/l	100
74) N-amyl acetate	12.28	43	54815	21.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	44226	21.709	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35489m	24.507	ug/l	
77) Bromobenzene	12.75	156	68939	21.013	ug/l	100
78) n-propylbenzene	12.81	91	318408	20.433	ug/l	100
79) 2-Chlorotoluene	12.90	91	180910	20.662	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	230857	20.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10696	17.656	ug/l	92
82) 4-Chlorotoluene	12.99	91	190947	20.819	ug/l	100
83) tert-Butylbenzene	13.21	119	206969	20.487	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	235665	20.625	ug/l	100
85) sec-Butylbenzene	13.39	105	291919	20.453	ug/l	100
86) p-Isopropyltoluene	13.51	119	259470	20.099	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	134877	20.658	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	135874	20.901	ug/l	99
89) n-Butylbenzene	13.83	91	236744	20.053	ug/l	99
90) Hexachloroethane	14.10	117	42690	19.523	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	123872	21.269	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7693	21.091	ug/l	99

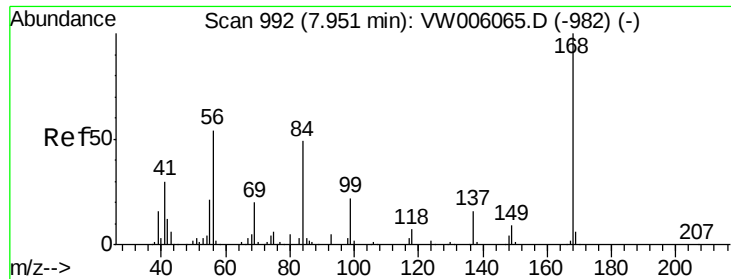
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW101618\
Data File : VW006096.D
Acq On : 17 Oct 2018 00:55
Operator : VA/AP
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MSVOA_W
ClientSampleId :
VW1016SBS02

Quant Time: Oct 17 02:15:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	91533	20.426	ug/l	99
94) Hexachlorobutadiene	15.24	225	57036	20.261	ug/l	100
95) Naphthalene	15.38	128	160724	21.561	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	81981	21.151	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

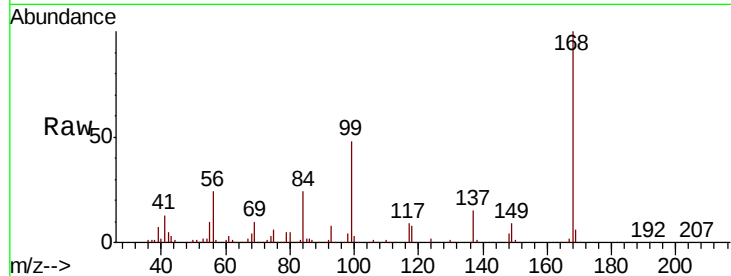
VW1016SBS02

Tot Ion:168 Resp: 247416

Ion Ratio Lower Upper

168 100

99 47.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

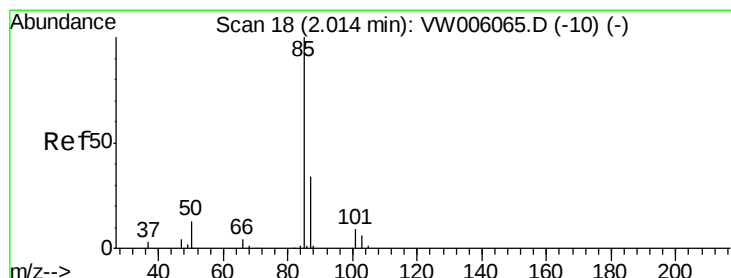
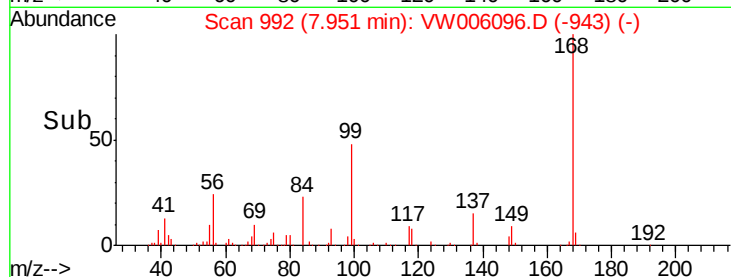
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.550 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006096.D

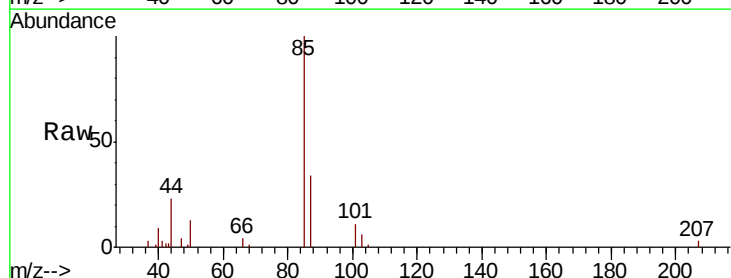
Acq: 17 Oct 2018 00:55

Tgt Ion: 85 Resp: 20263

Ion Ratio Lower Upper

85 100

87 33.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

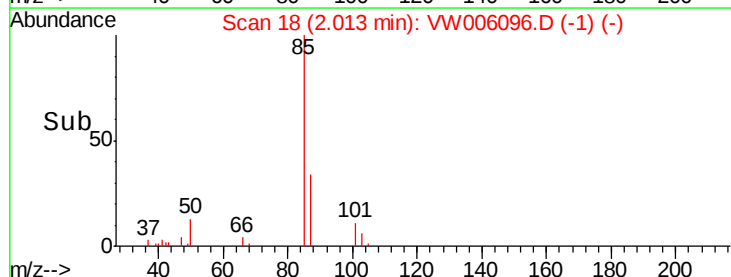
3000

2000

1000

0

Time-->





#3

Chloromethane

Concen: 18.557 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

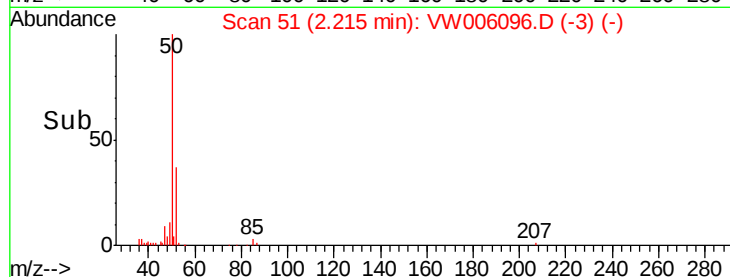
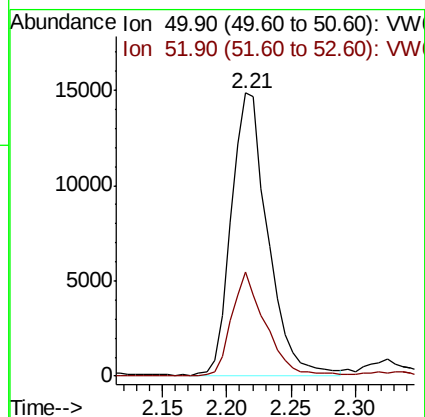
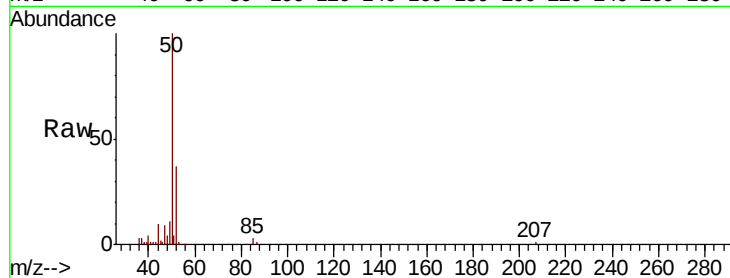
VW1016SBS02

Tot Ion: 50 Resp: 29247

Ion Ratio Lower Upper

50 100

52 36.9 26.8 40.2



#4

Vinyl Chloride

Concen: 19.549 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006096.D

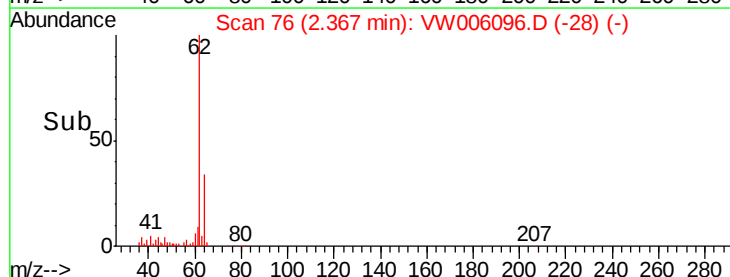
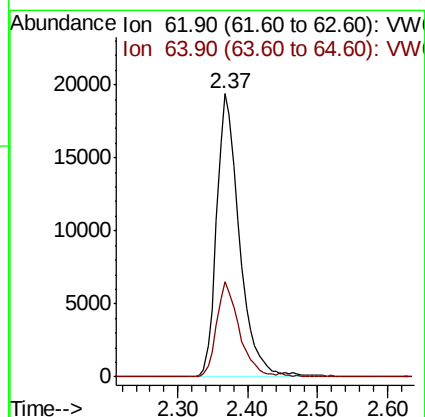
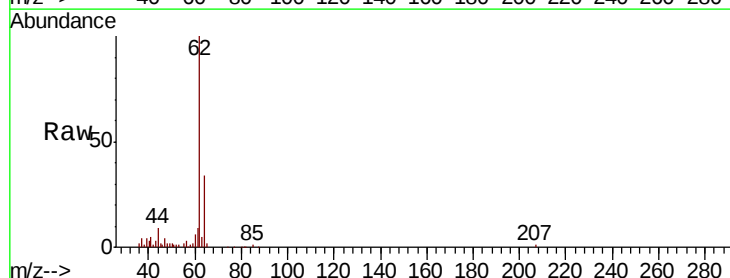
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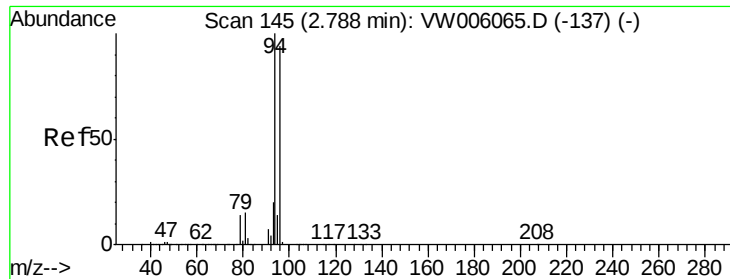
Tgt Ion: 62 Resp: 43999

Ion Ratio Lower Upper

62 100

64 33.5 25.9 38.9





#5

Bromomethane

Concen: 23.066 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

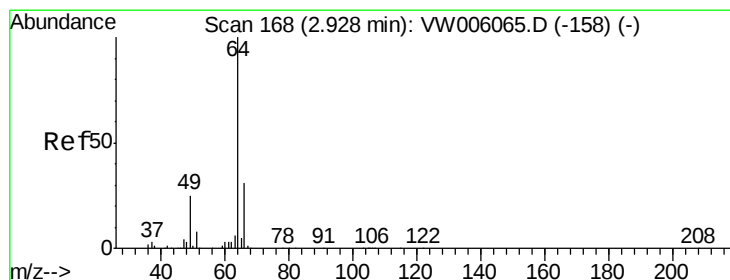
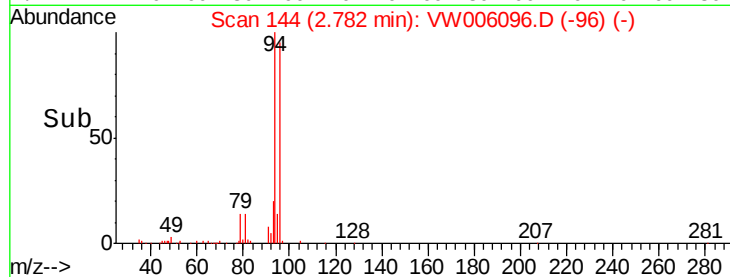
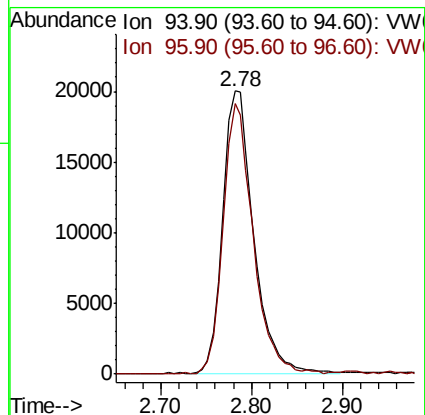
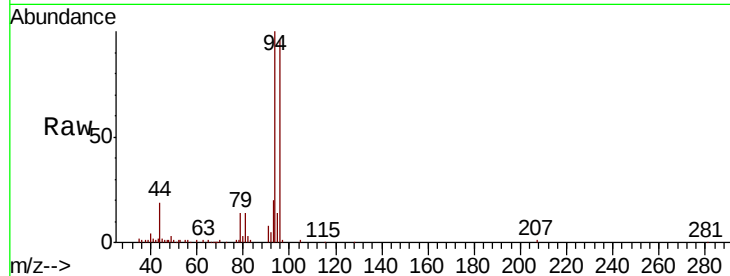
VW1016SBS02

Tot Ion: 94 Resp: 47218

Ion Ratio Lower Upper

94 100

96 95.6 74.9 112.3



#6

Chloroethane

Concen: 21.054 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006096.D

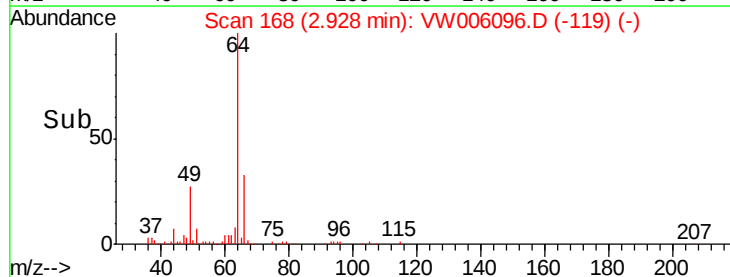
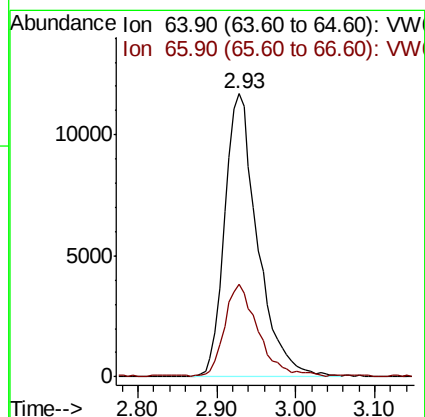
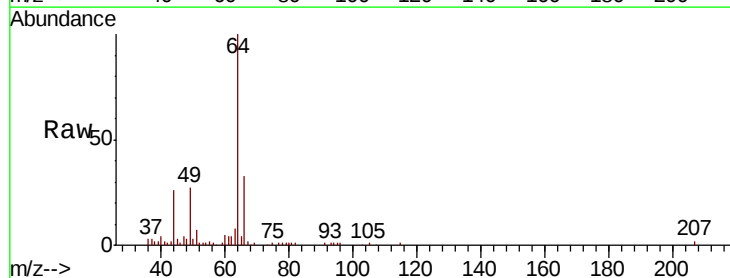
Acq: 17 Oct 2018 00:55

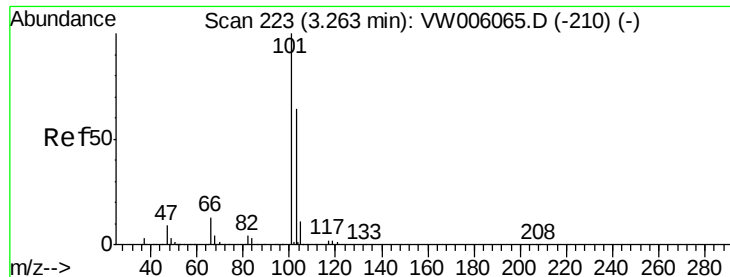
Tgt Ion: 64 Resp: 33959

Ion Ratio Lower Upper

64 100

66 32.6 24.9 37.3



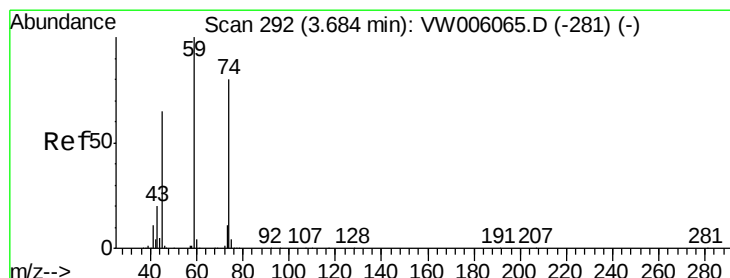
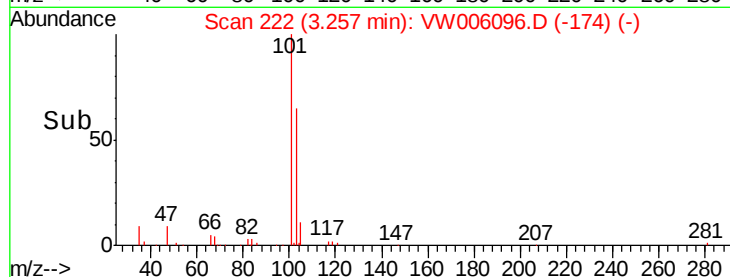
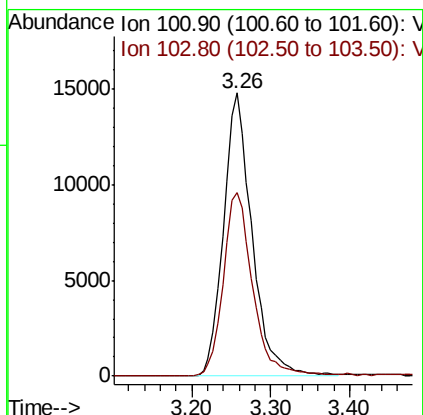
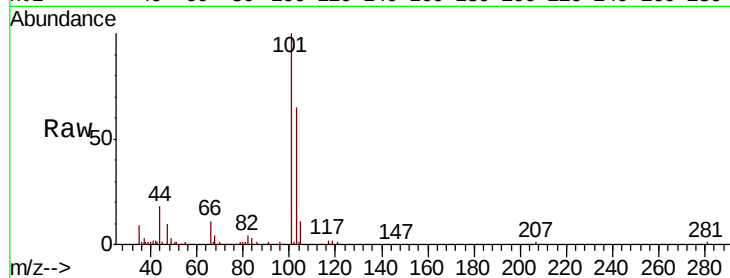


#7

Trichlorofluoromethane
Concen: 17.710 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

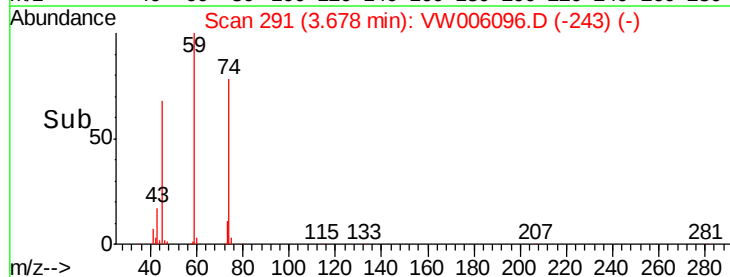
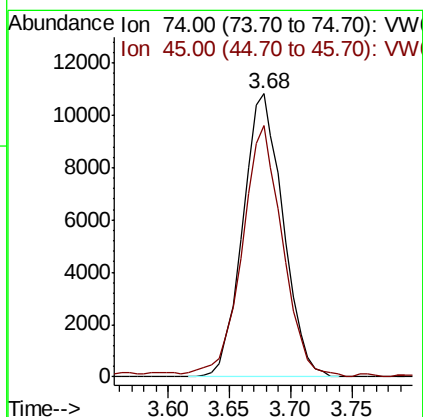
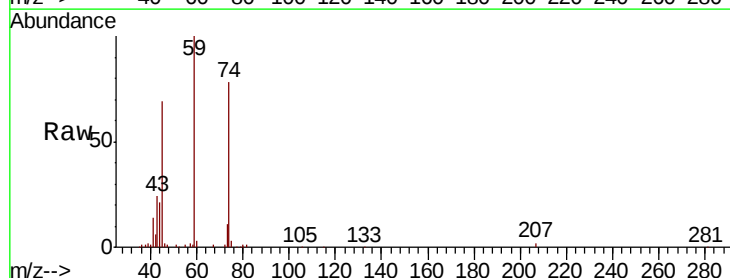
Tot Ion:101 Resp: 37132
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8



#8

Diethyl Ether
Concen: 22.198 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 74 Resp: 24736
Ion Ratio Lower Upper
74 100
45 89.4 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.064 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

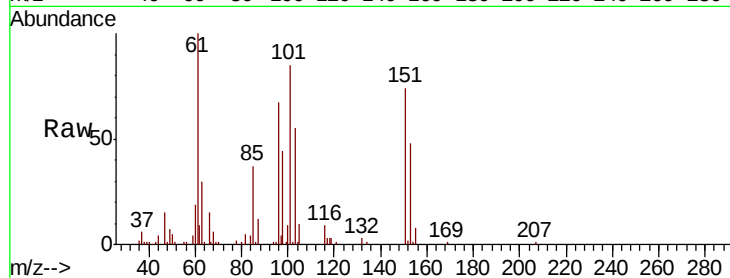
Tot Ion:101 Resp: 44087

Ion Ratio Lower Upper

101 100

85 44.0 34.9 52.3

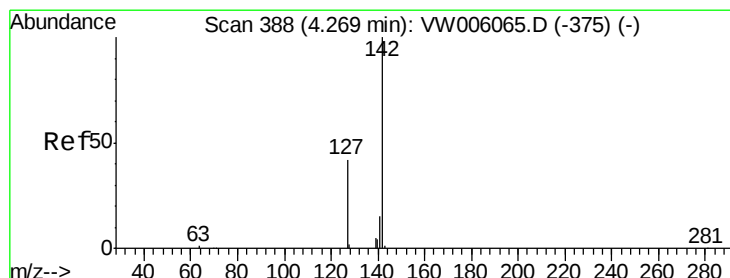
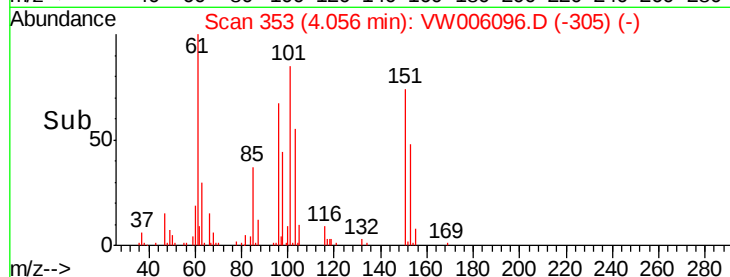
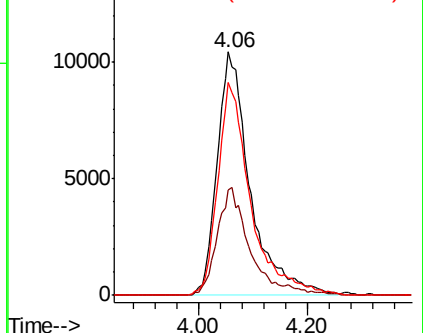
151 86.7 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.933 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

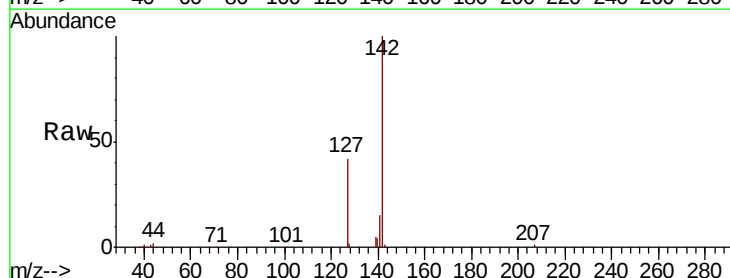
Tgt Ion:142 Resp: 76558

Ion Ratio Lower Upper

142 100

127 42.1 33.6 50.4

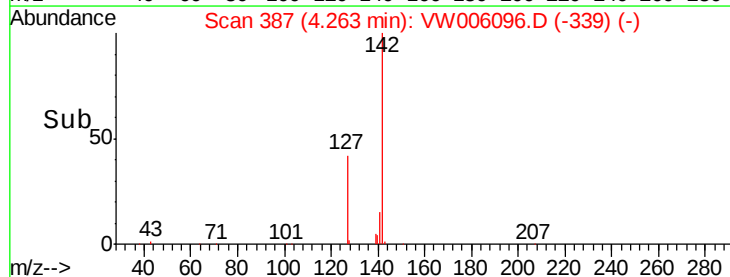
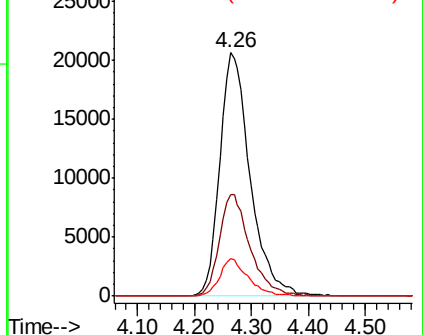
141 14.3 11.6 17.4

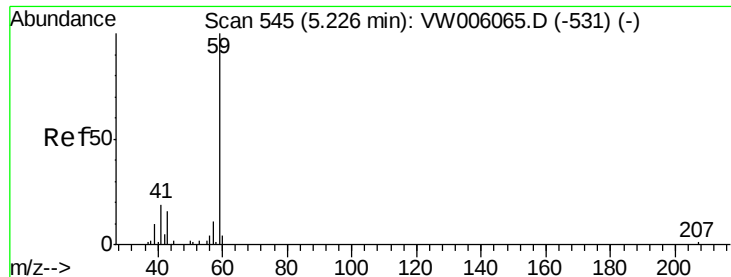


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



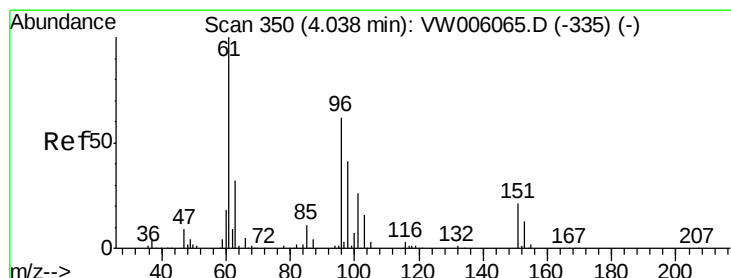
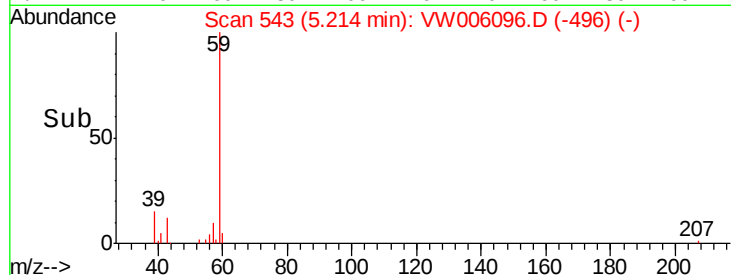
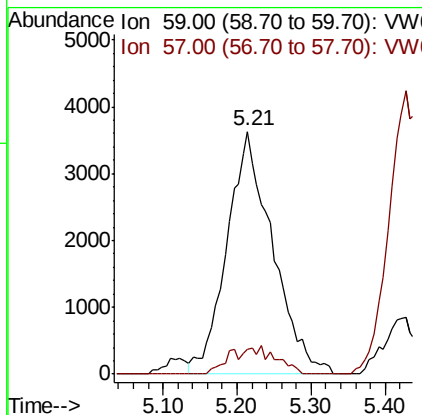
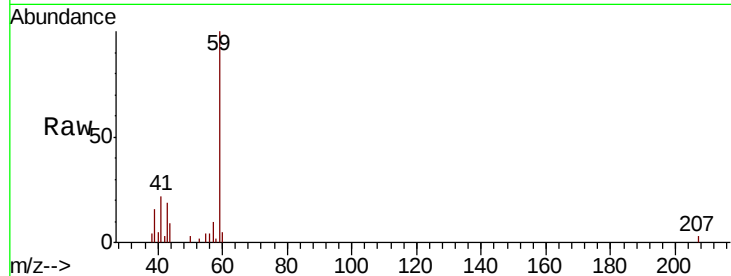


#11

Tert butyl alcohol
Concen: 112.661 ug/l
RT: 5.21 min Scan# 543
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

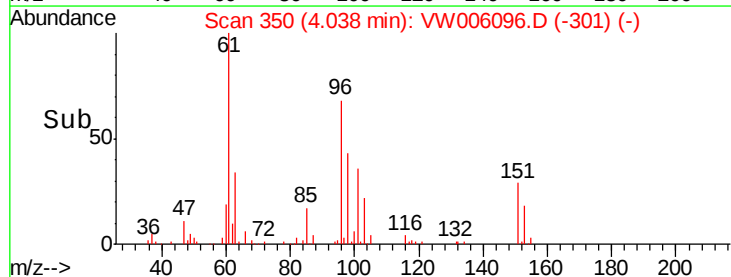
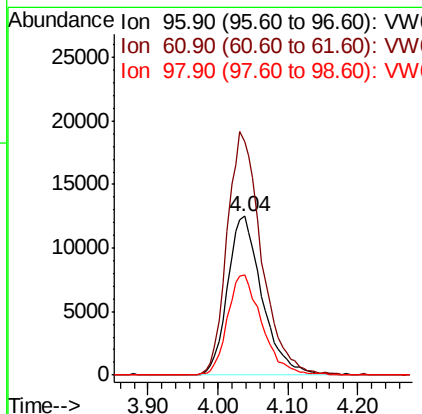
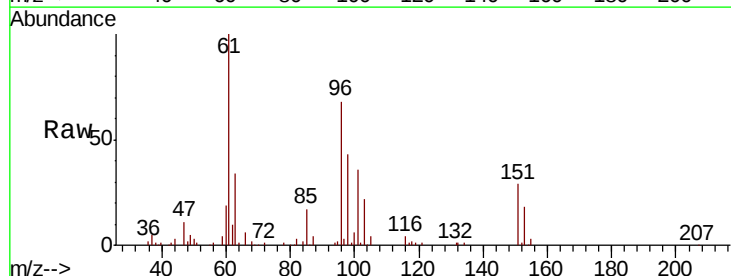
Tot Ion: 59 Resp: 15542
Ion Ratio Lower Upper
59 100
57 8.0 8.7 13.1#

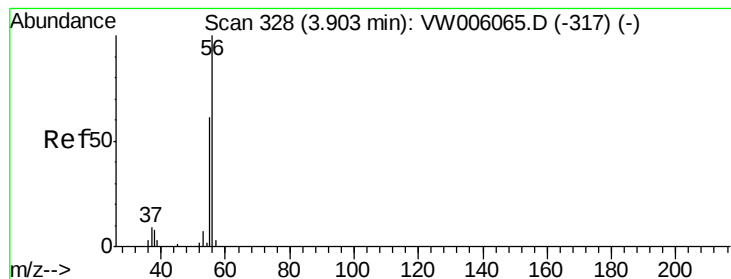


#12

1,1-Dichloroethene
Concen: 20.719 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 96 Resp: 42832
Ion Ratio Lower Upper
96 100
61 147.3 129.3 193.9
98 62.8 53.1 79.7





#13

Acrolein

Concen: 105.560 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

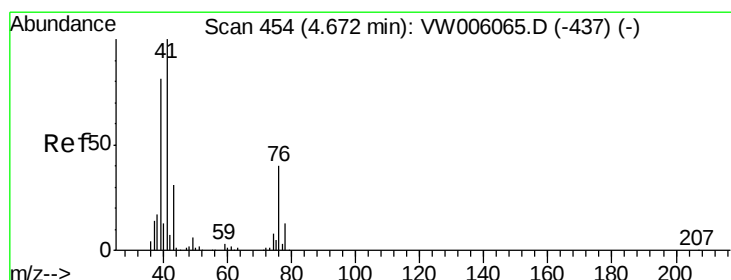
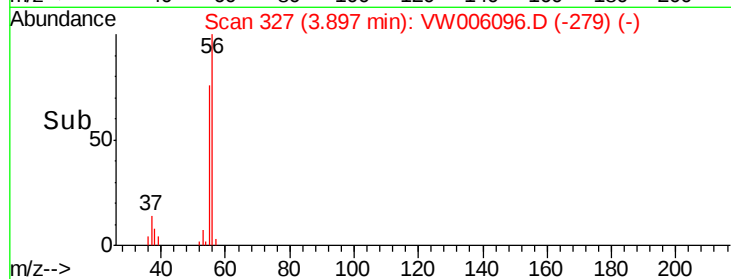
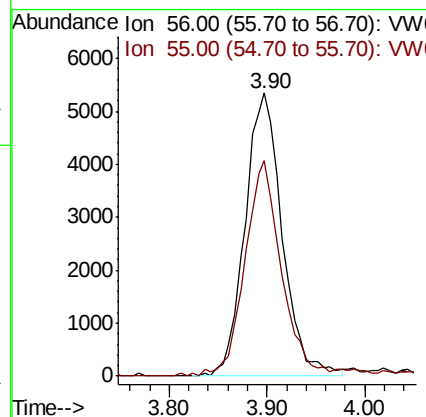
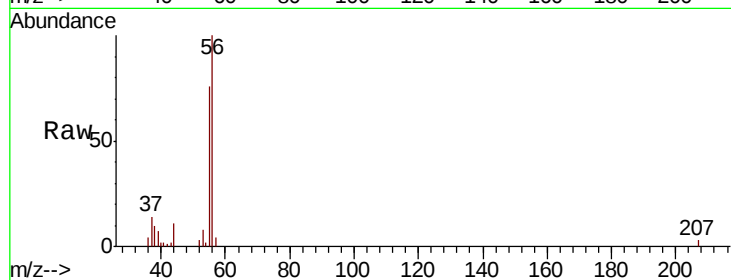
VW1016SBS02

Tot Ion: 56 Resp: 14091

Ion Ratio Lower Upper

56 100

55 75.0 54.5 81.7



#14

Allyl chloride

Concen: 20.307 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

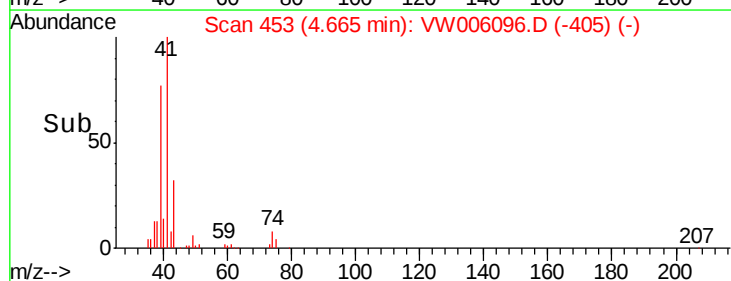
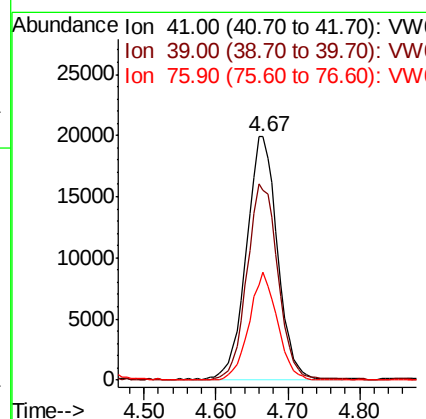
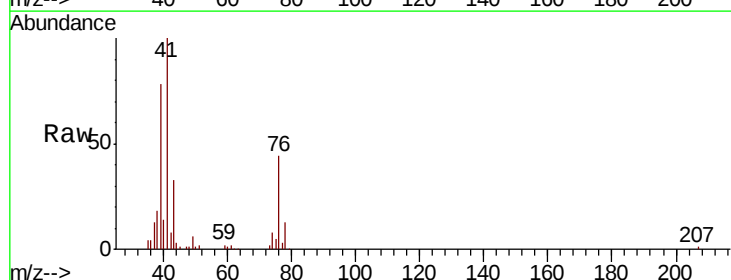
Tgt Ion: 41 Resp: 60024

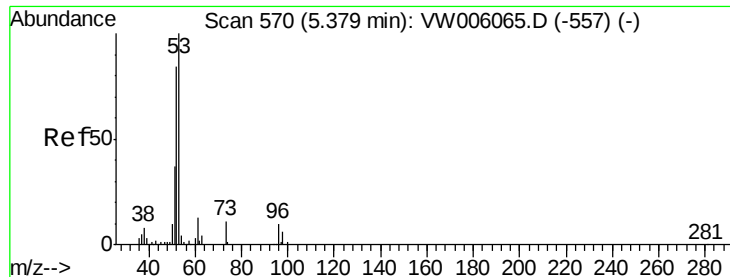
Ion Ratio Lower Upper

41 100

39 79.9 64.1 96.1

76 39.8 32.2 48.4





#15

Acrylonitrile

Concen: 115.814 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

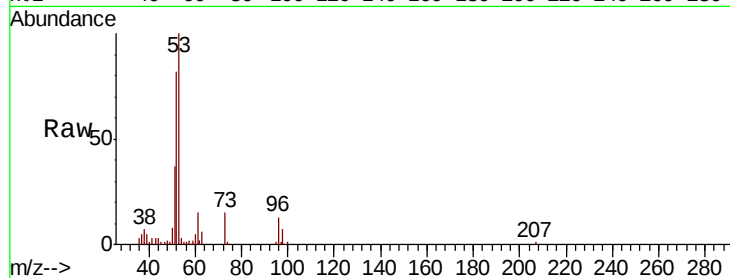
Tot Ion: 53 Resp: 46288

Ion Ratio Lower Upper

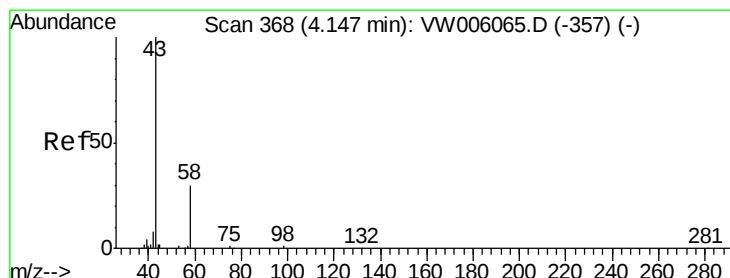
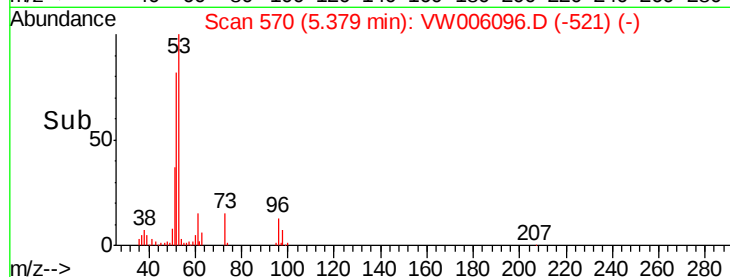
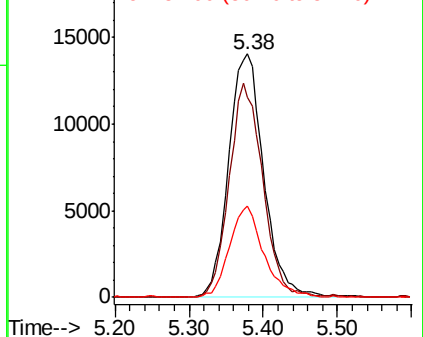
53 100

52 84.1 66.9 100.3

51 36.7 30.1 45.1



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



#16

Acetone

Concen: 97.524 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006096.D

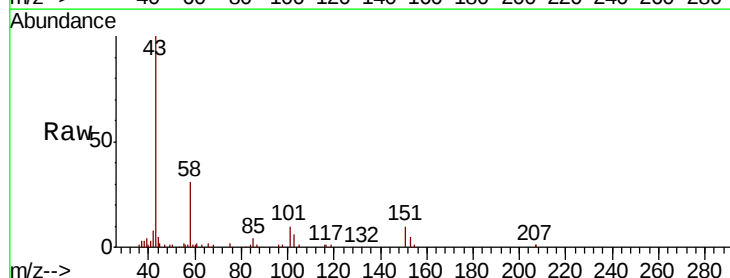
Acq: 17 Oct 2018 00:55

Tgt Ion: 43 Resp: 41004

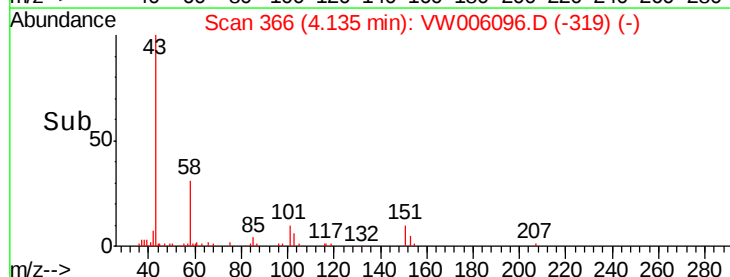
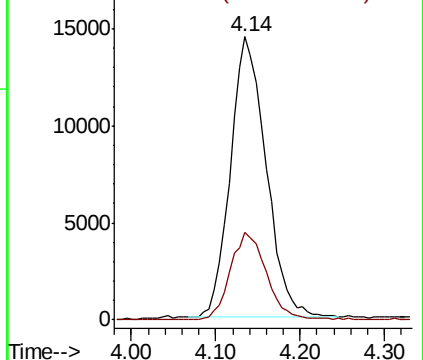
Ion Ratio Lower Upper

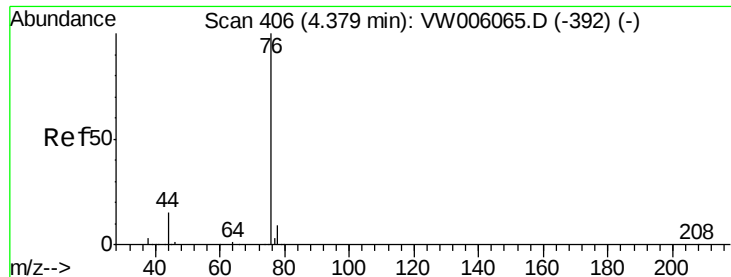
43 100

58 31.1 24.0 36.0



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





#17

Carbon Disulfide

Concen: 19.461 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

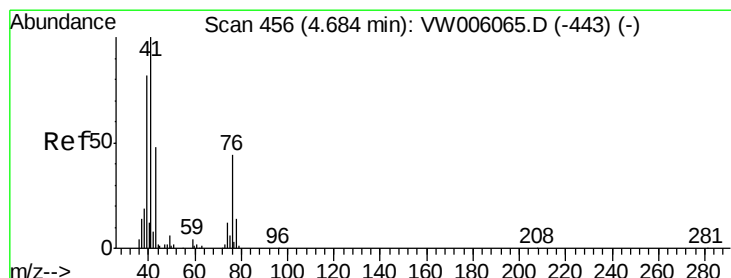
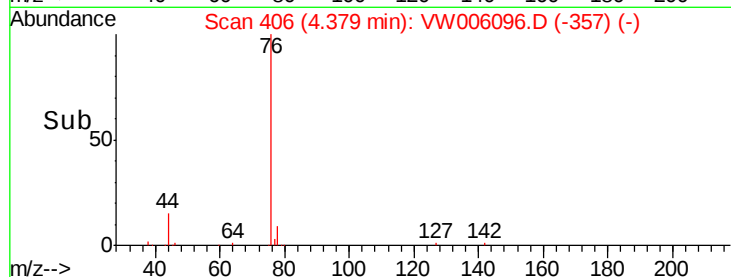
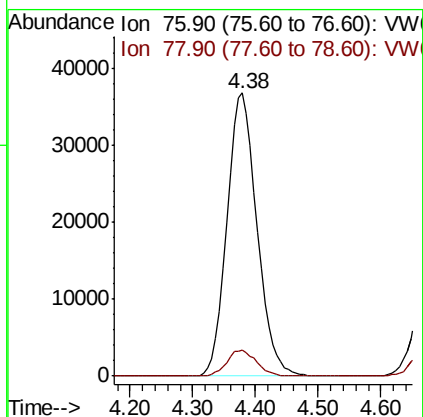
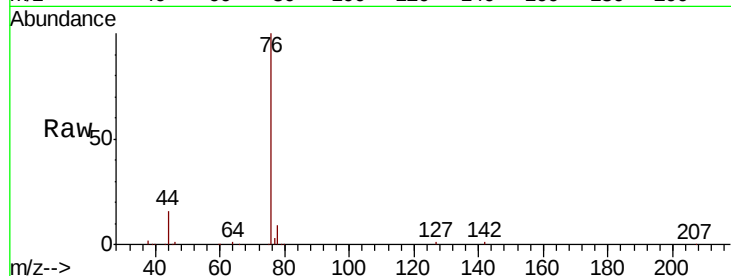
VW1016SBS02

Tot Ion: 76 Resp: 121415

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



#18

Methyl Acetate

Concen: 22.803 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006096.D

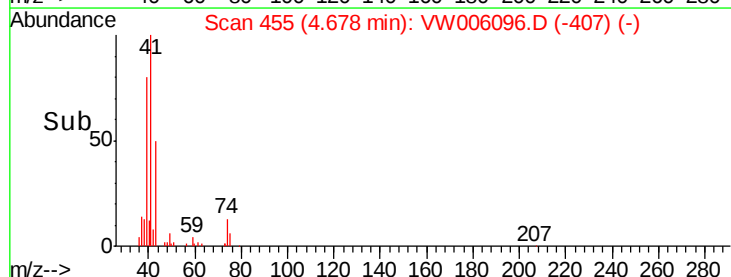
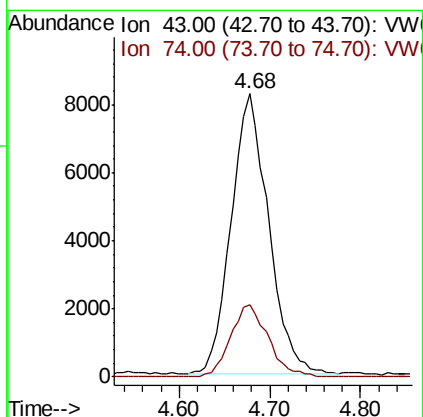
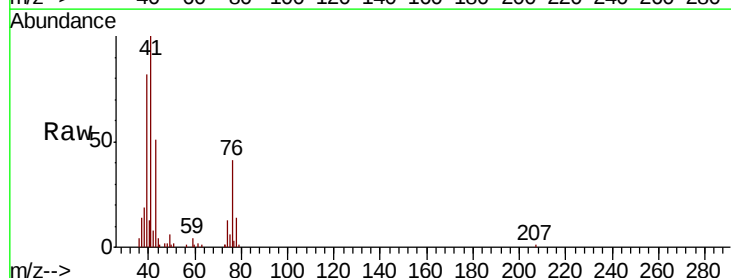
Acq: 17 Oct 2018 00:55

Tgt Ion: 43 Resp: 23539

Ion Ratio Lower Upper

43 100

74 25.8 20.5 30.7

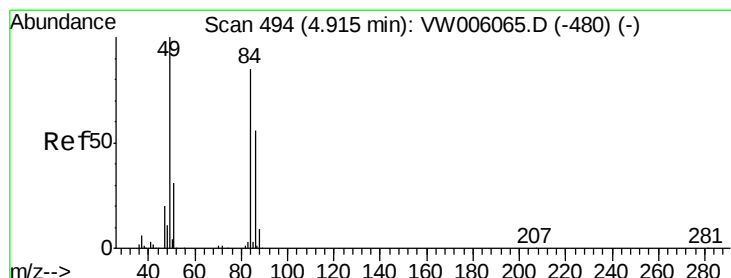
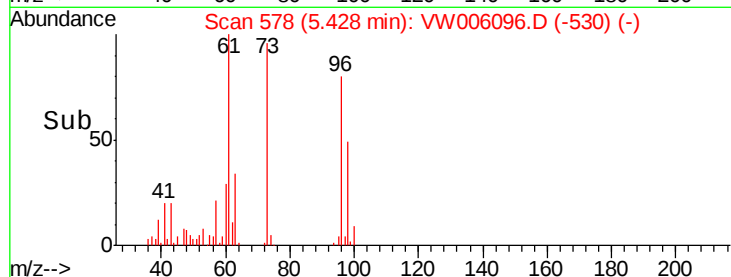
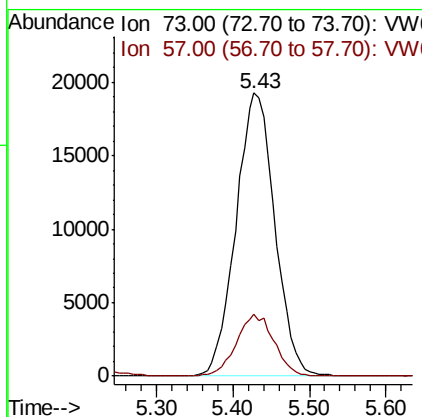
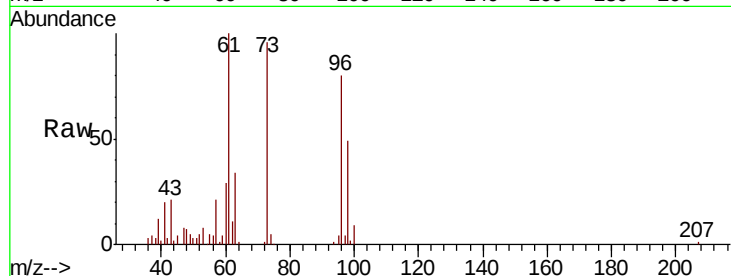




#19
Methvl tert-butvl Ether
Concen: 21.547 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

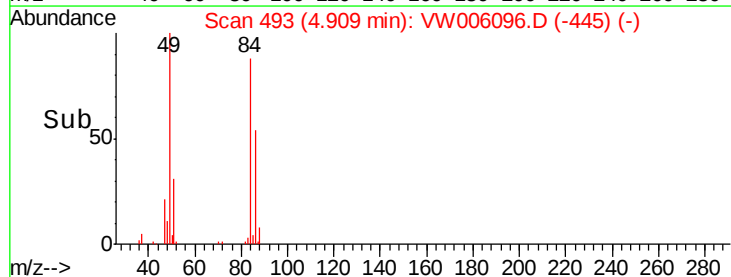
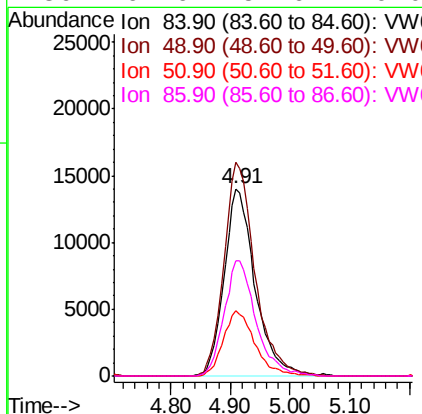
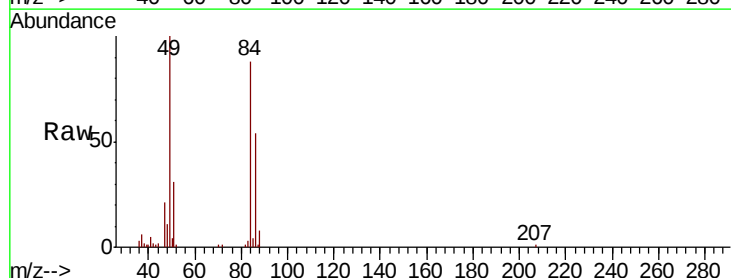
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

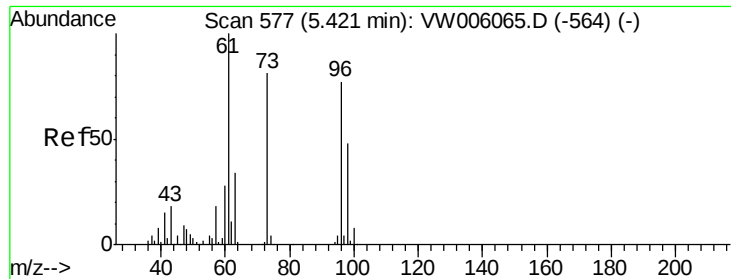
Tot Ion: 73 Resp: 67844
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.2



#20
Methylene Chloride
Concen: 22.409 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 84 Resp: 50586
Ion Ratio Lower Upper
84 100
49 114.3 93.6 140.4
51 35.3 29.0 43.4
86 61.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.353 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

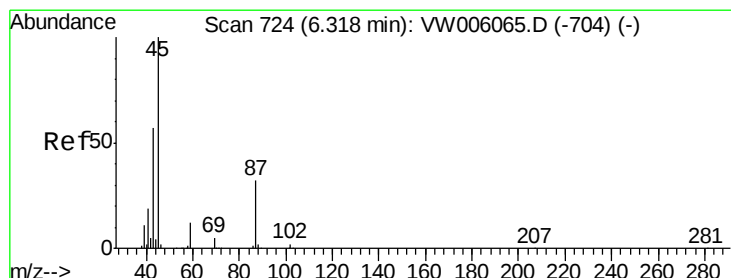
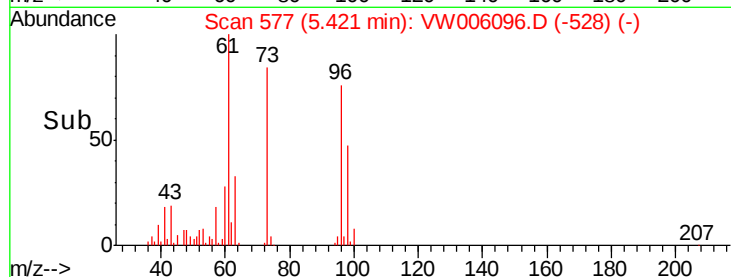
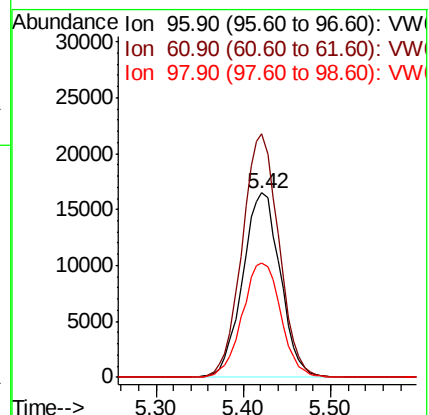
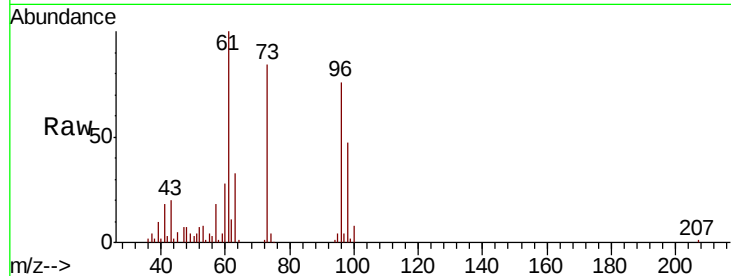
Tot Ion: 96 Resp: 49272

Ion Ratio Lower Upper

96 100

61 132.0 104.5 156.7

98 62.0 50.6 75.8



#22

Diisopropyl ether

Concen: 21.408 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Tgt Ion: 45 Resp: 125046

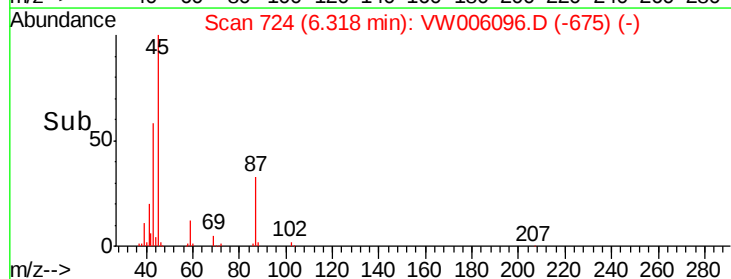
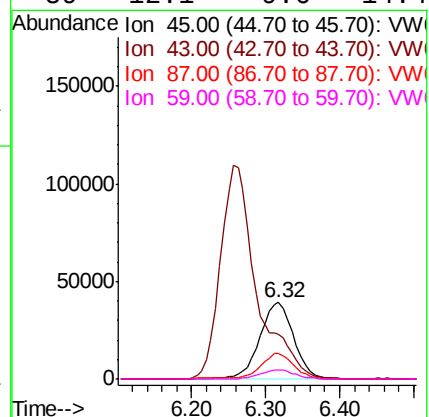
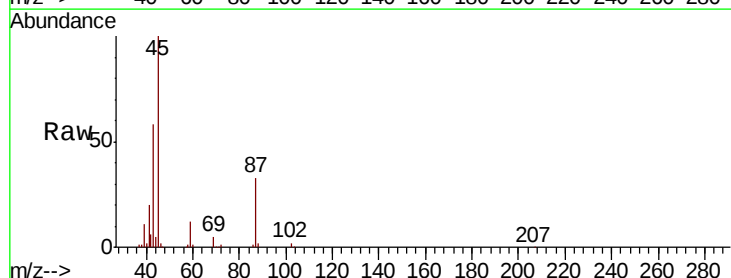
Ion Ratio Lower Upper

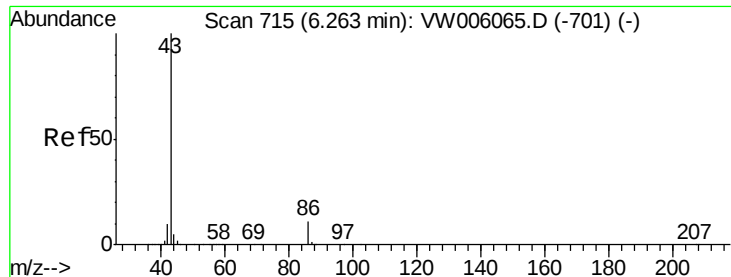
45 100

43 57.5 45.7 68.5

87 33.0 25.9 38.9

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 107.274 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

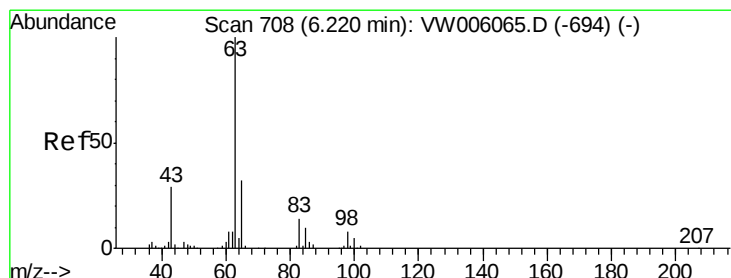
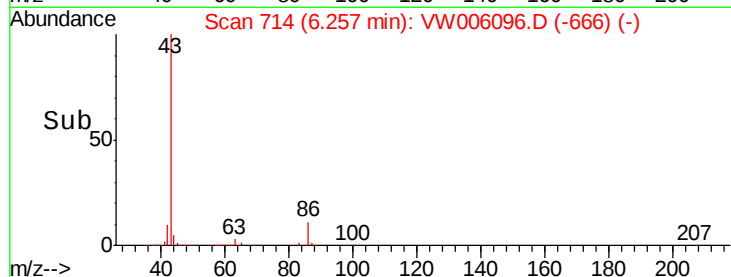
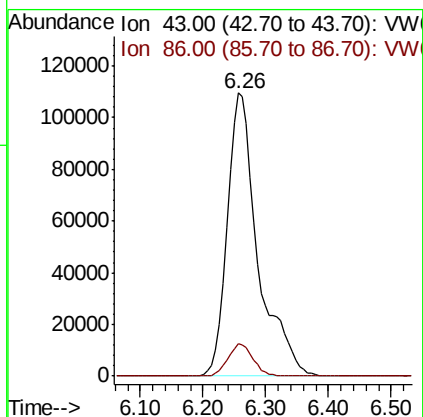
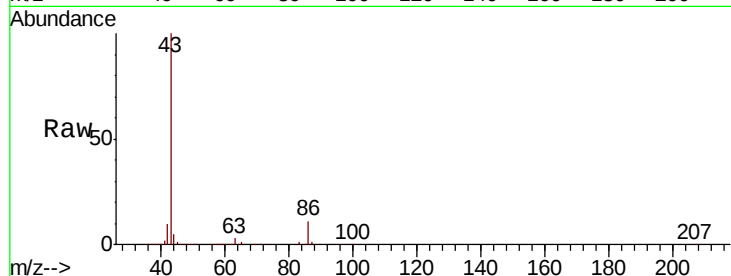
VW1016SBS02

Tot Ion: 43 Resp: 369794

Ion Ratio Lower Upper

43 100

86 11.3 9.0 13.6



#24

1,1-Dichloroethane

Concen: 21.683 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

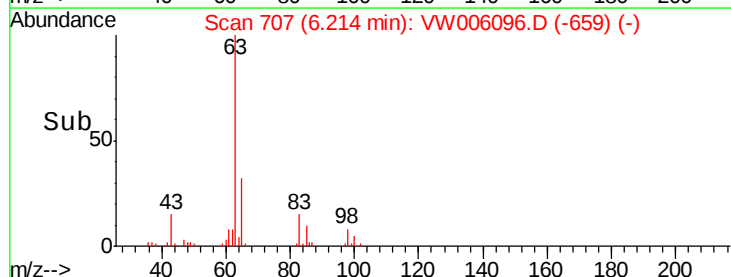
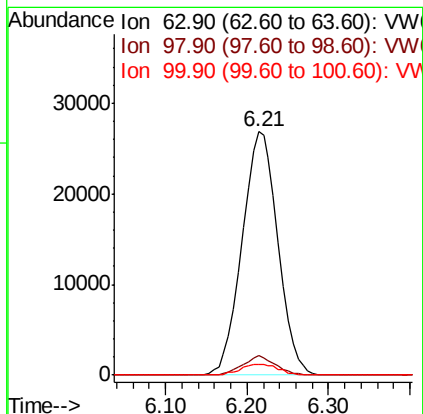
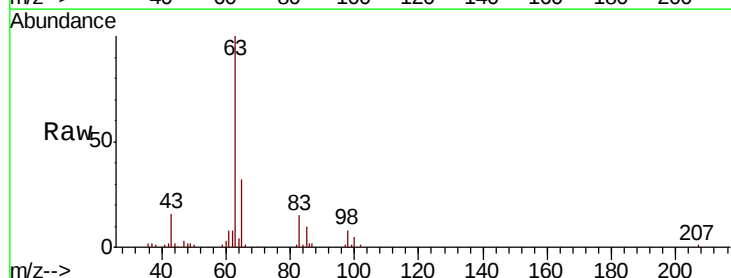
Tgt Ion: 63 Resp: 81726

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 111.729 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

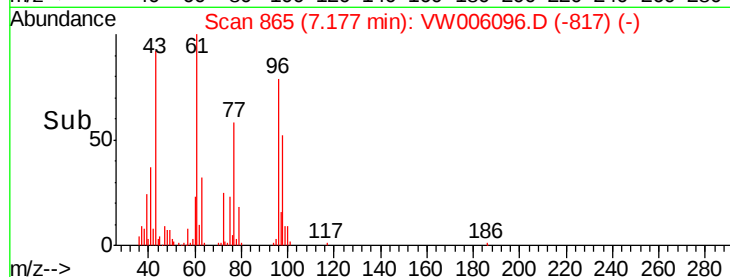
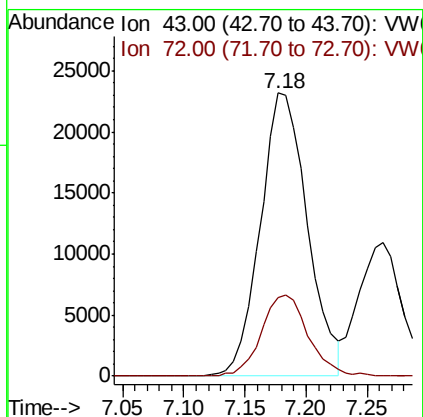
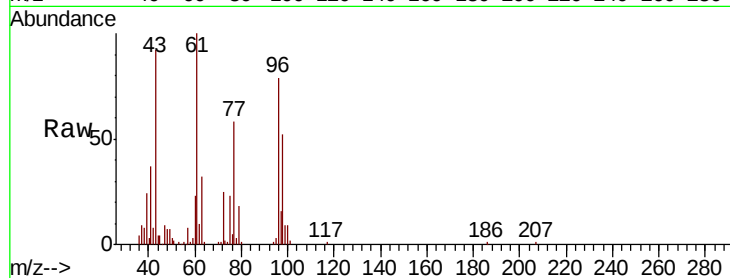
VW1016SBS02

Tot Ion: 43 Resp: 61913

Ion Ratio Lower Upper

43 100

72 27.6 22.8 34.2



#26

2,2-Dichloropropane

Concen: 18.241 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006096.D

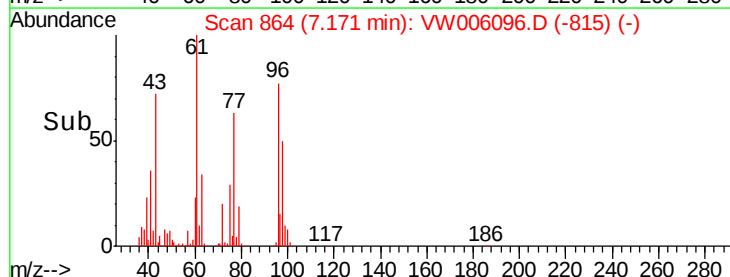
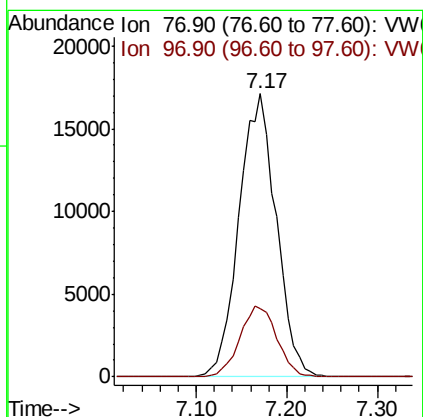
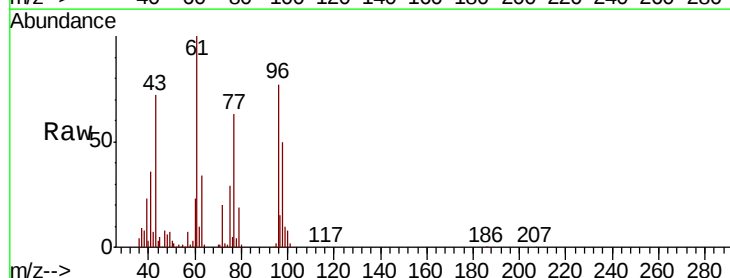
Acq: 17 Oct 2018 00:55

Tgt Ion: 77 Resp: 48491

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.4



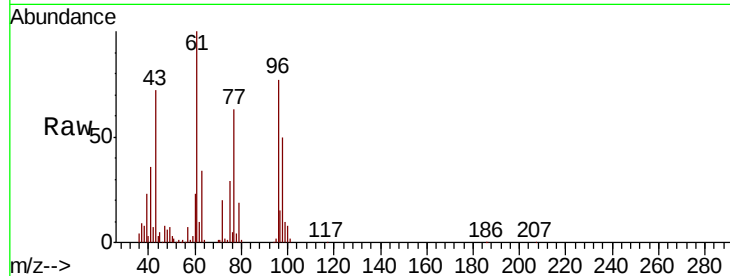


#27

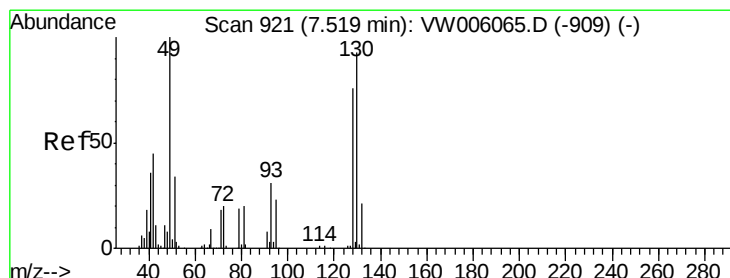
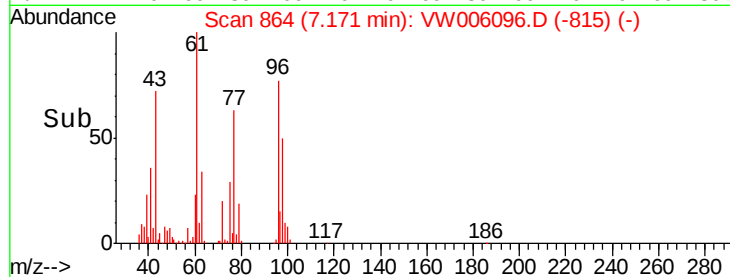
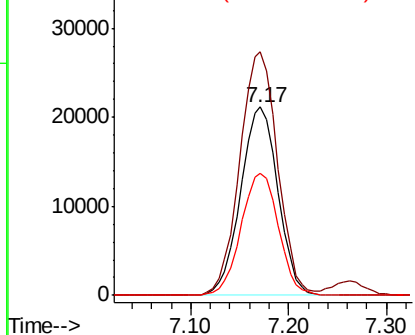
cis-1,2-Dichloroethene
 Concen: 22.009 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	267.2
98	64.8	0.0	128.6



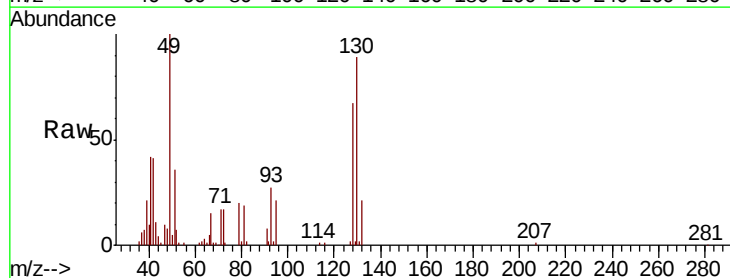
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



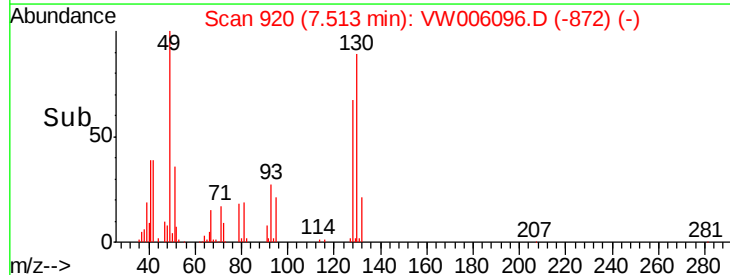
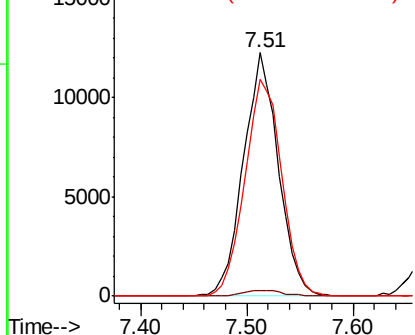
#28

Bromochloromethane
 Concen: 19.400 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	94.1	73.8	110.8



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

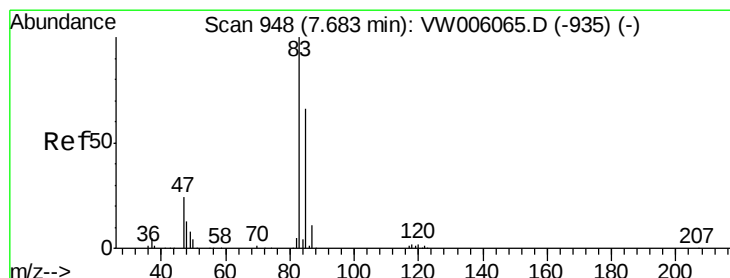
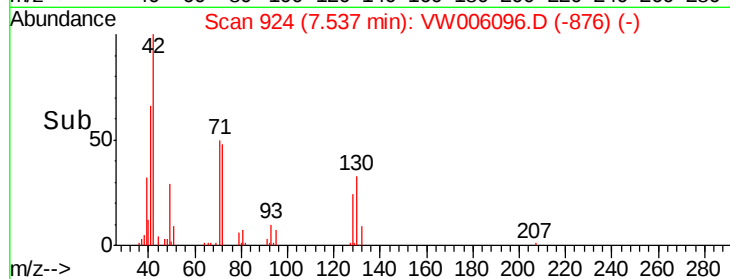
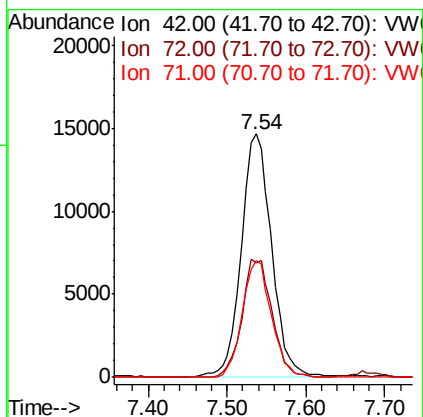
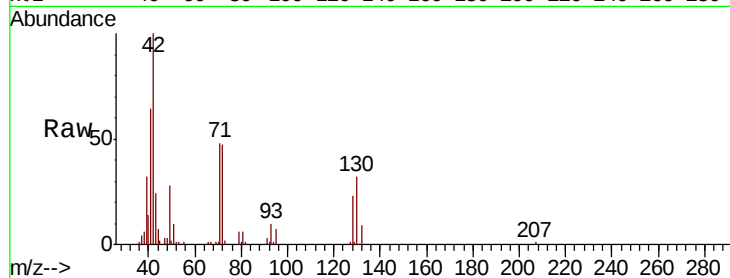




#29
Tetrahydrofuran
Concen: 115.480 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

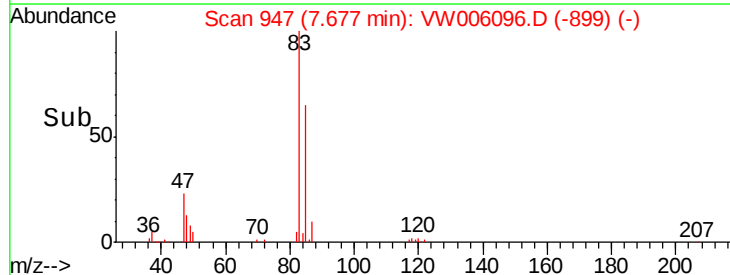
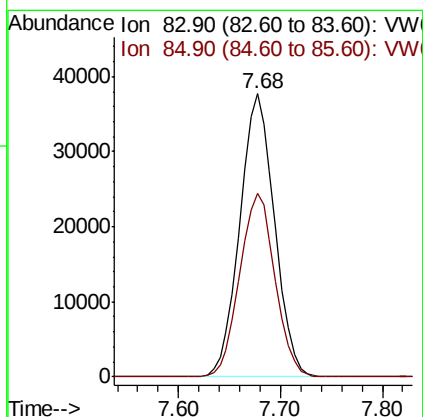
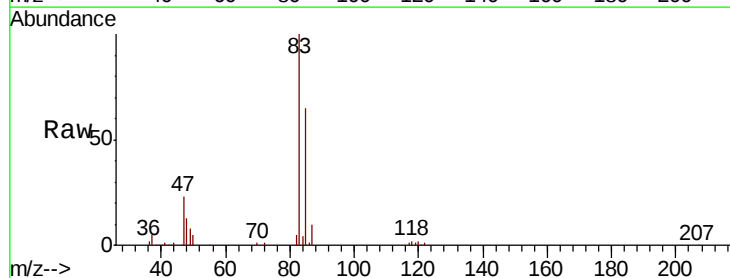
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

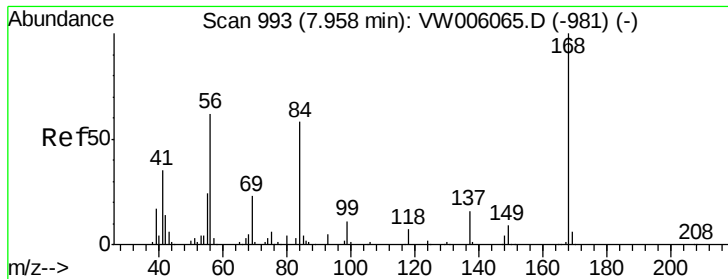
Tot Ion: 42 Resp: 39334
Ion Ratio Lower Upper
42 100
72 48.1 38.0 57.0
71 45.8 35.3 52.9



#30
Chloroform
Concen: 21.673 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 83 Resp: 88999
Ion Ratio Lower Upper
83 100
85 64.9 52.6 79.0

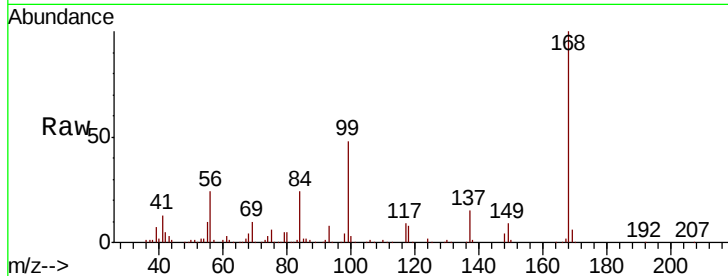




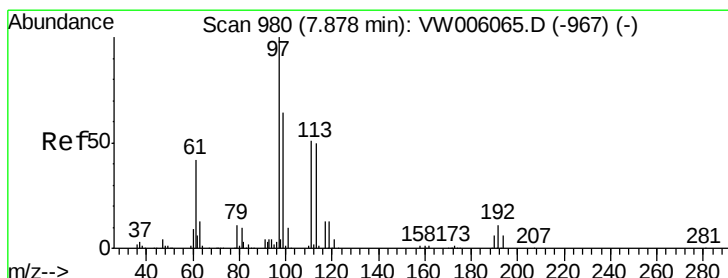
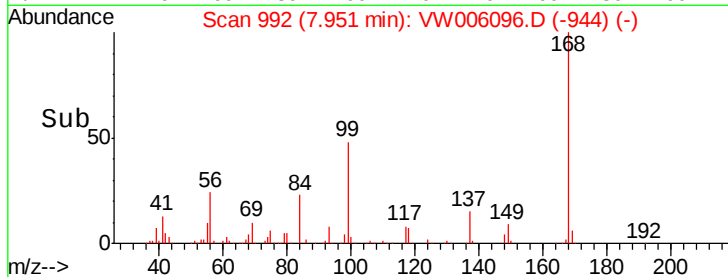
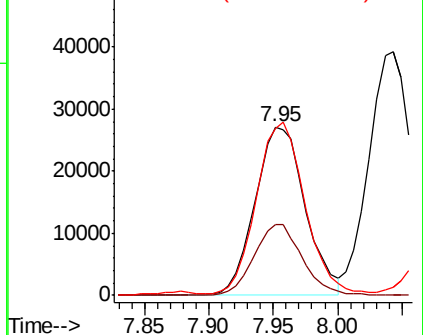
#31
Cyclohexane
Concen: 19.549 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

Tot Ion: 56 Resp: 73375
Ion Ratio Lower Upper
56 100
69 42.4 29.4 44.0
84 97.8 74.0 111.0

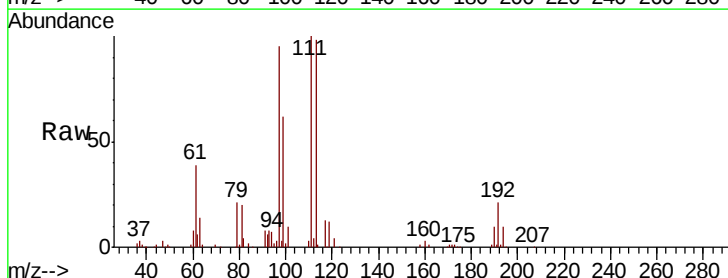


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

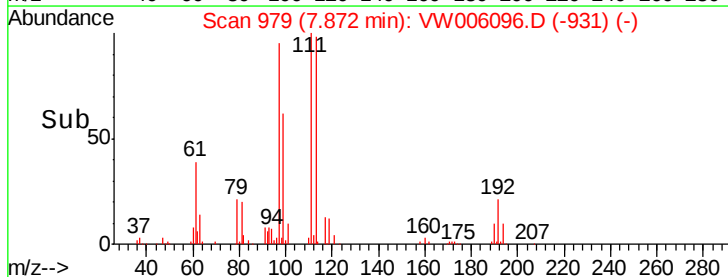
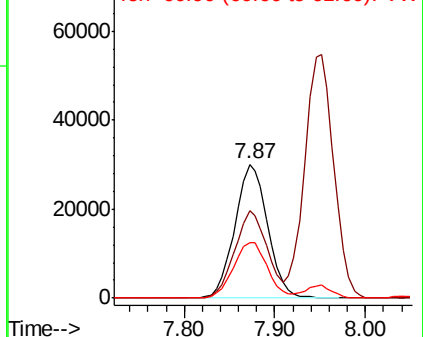


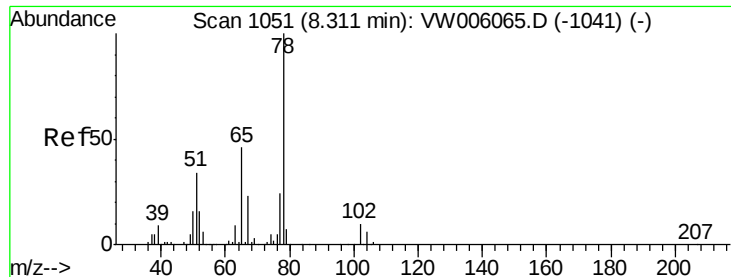
#32
1,1,1-Trichloroethane
Concen: 20.295 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 97 Resp: 75178
Ion Ratio Lower Upper
97 100
99 64.9 50.9 76.3
61 43.4 33.7 50.5



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

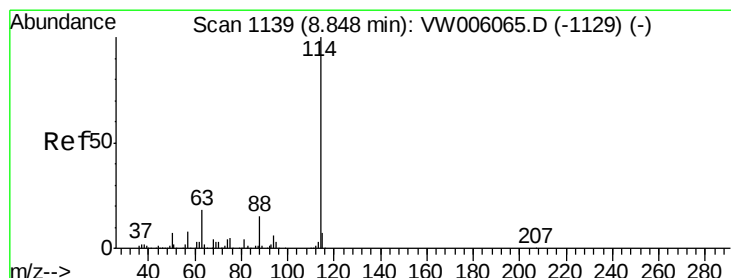
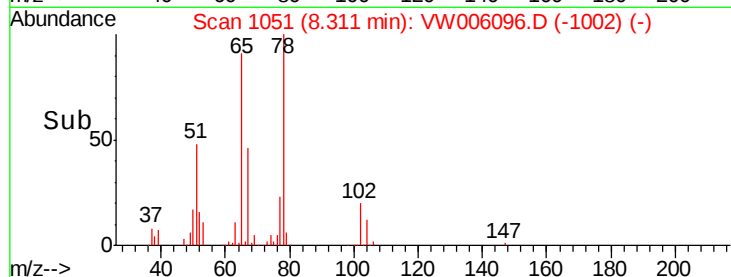
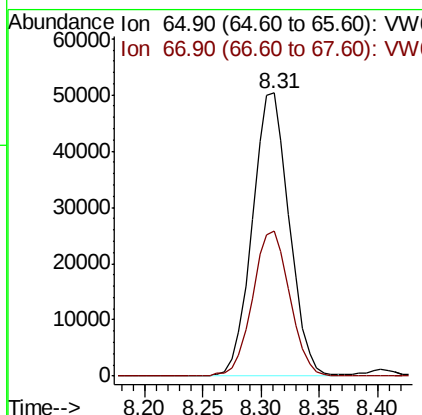
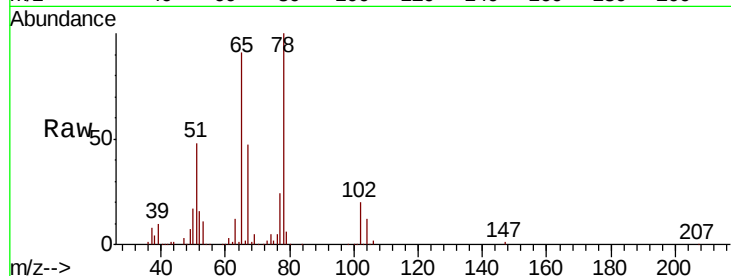




#33
 1,2-Dichloroethane-d4
 Concen: 53.730 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

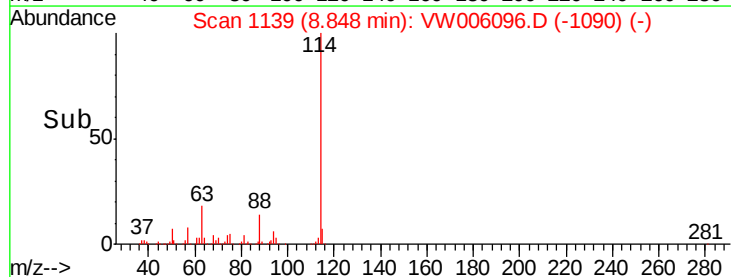
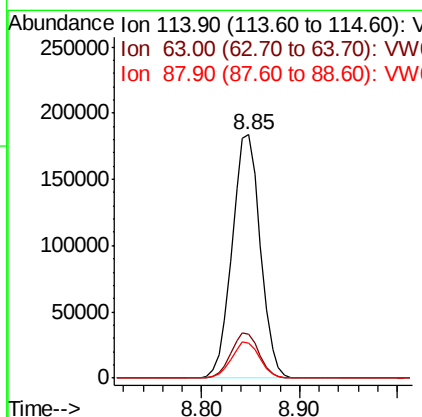
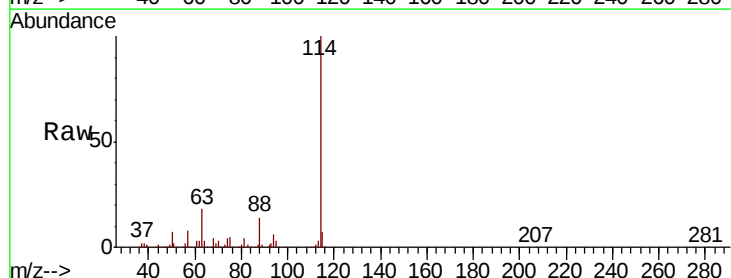
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tot Ion: 65 Resp: 110212
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion: 114 Resp: 367595
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.8
 88 14.5 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.011 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

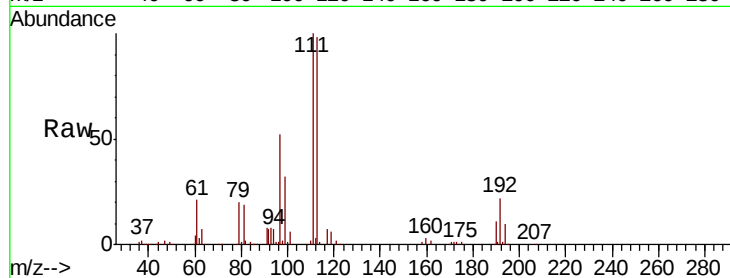
Tot Ion:113 Resp: 110801

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

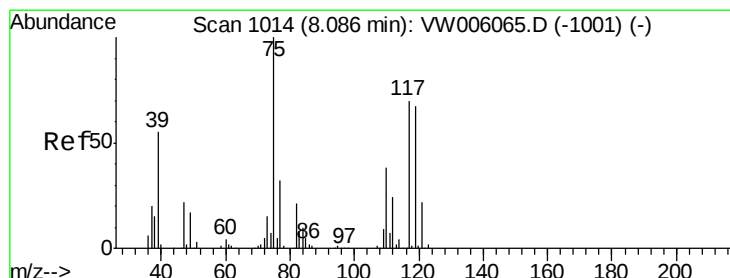
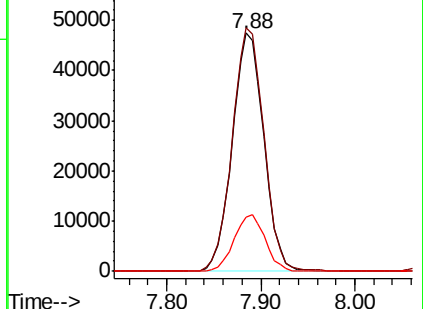
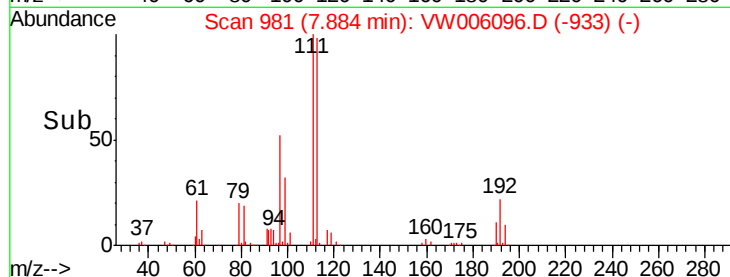
192 23.3 18.7 28.1



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: 20.537 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

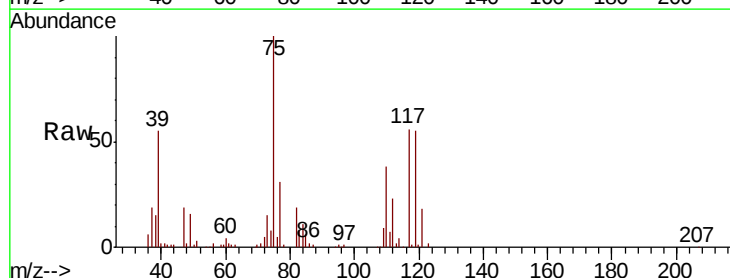
Tgt Ion: 75 Resp: 69582

Ion Ratio Lower Upper

75 100

110 38.3 19.1 57.1

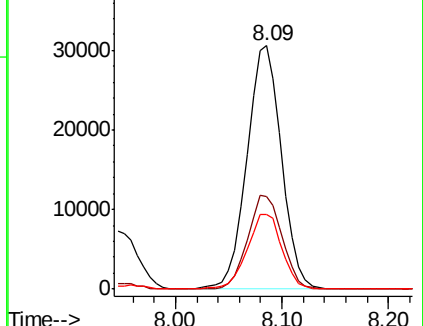
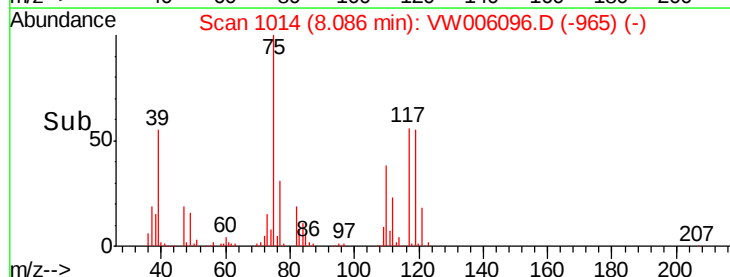
77 31.3 25.0 37.4

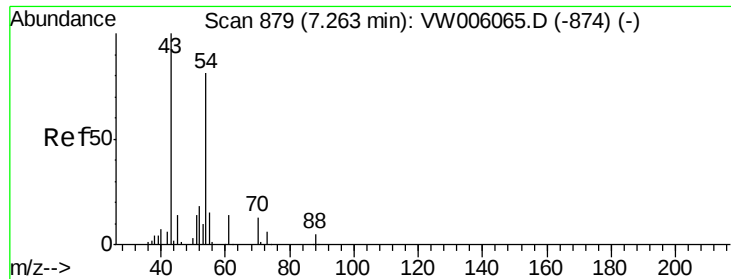


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

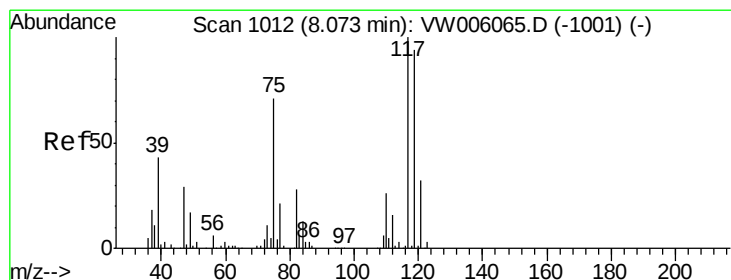
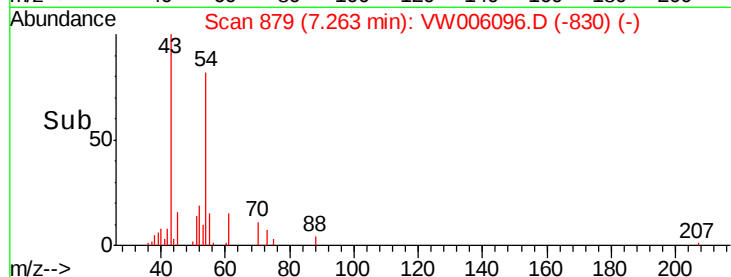
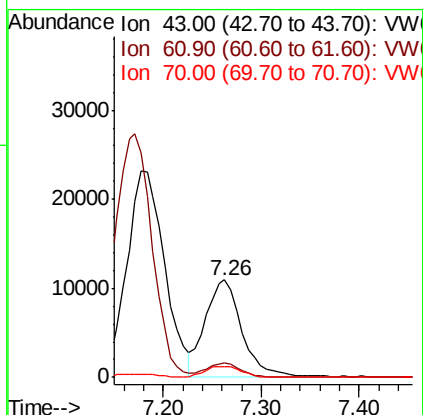
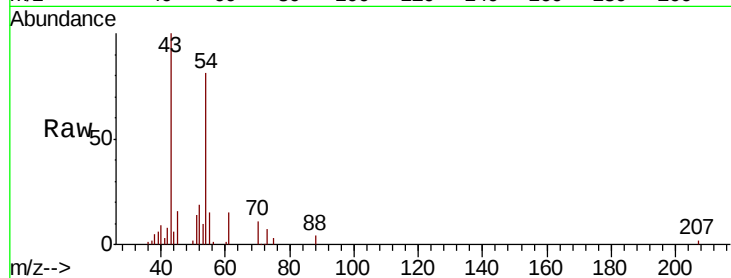




#37
Ethyl Acetate
Concen: 22.163 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

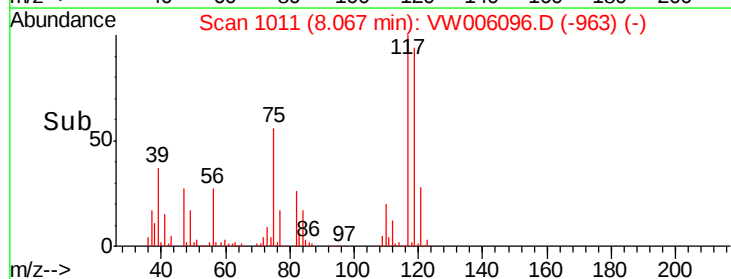
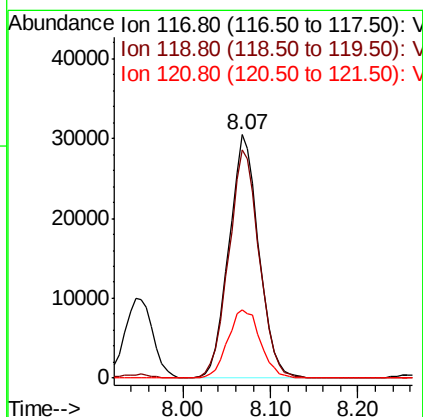
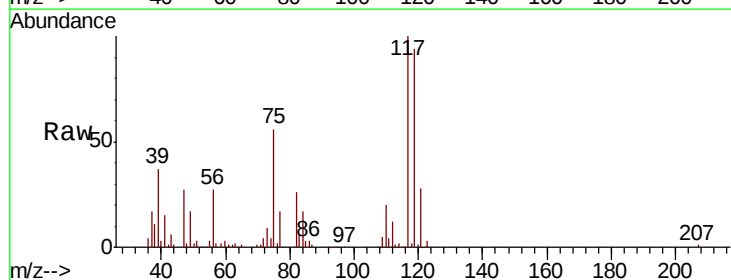
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

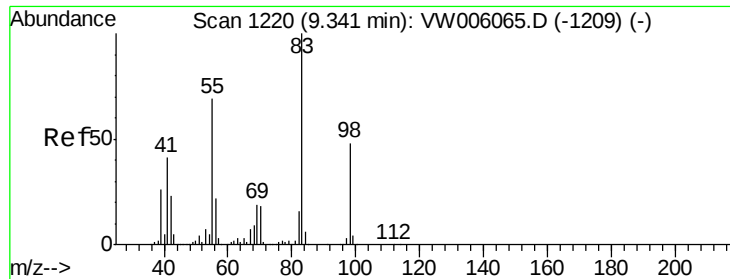
Tot Ion: 43 Resp: 27900
Ion Ratio Lower Upper
43 100
61 13.9 11.5 17.3
70 11.8 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.488 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 117 Resp: 72385
Ion Ratio Lower Upper
117 100
119 93.8 75.2 112.8
121 27.8 25.3 37.9

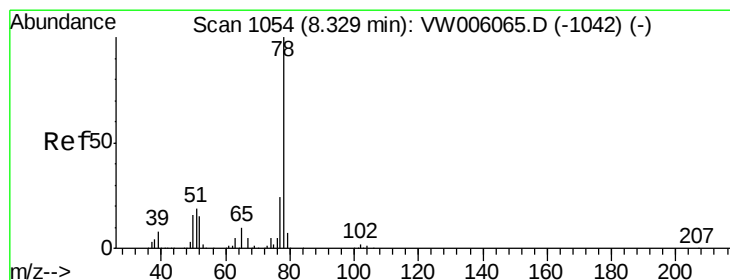
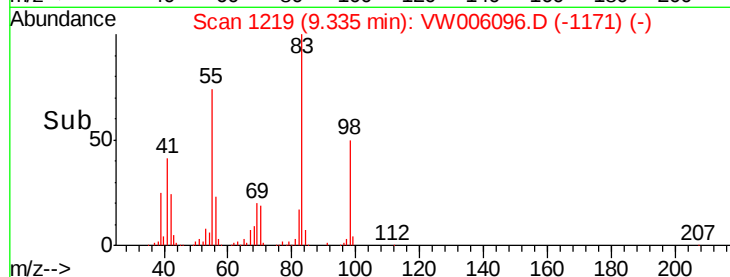
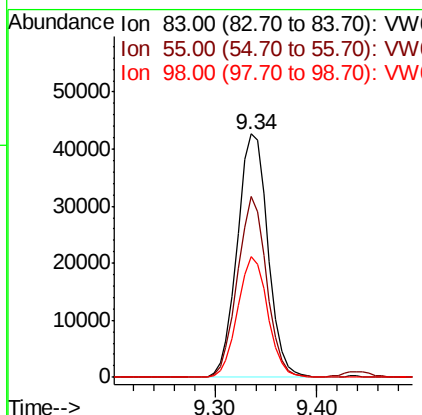
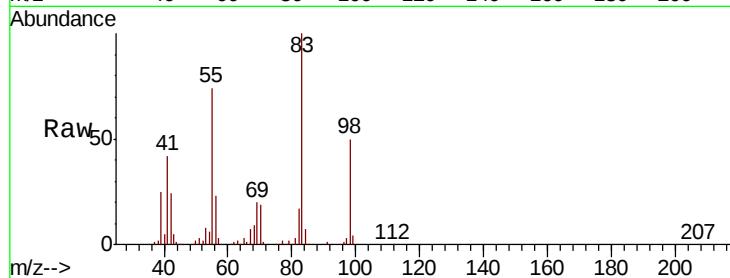




#39
Methvlcvclohexane
Concen: 19.783 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

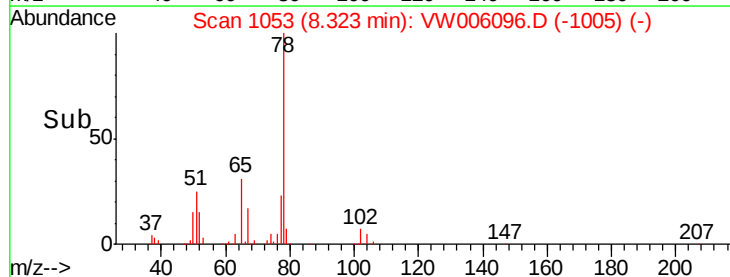
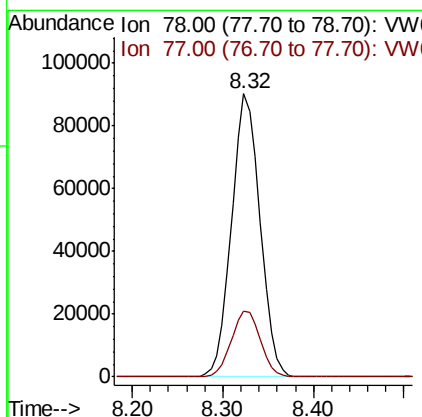
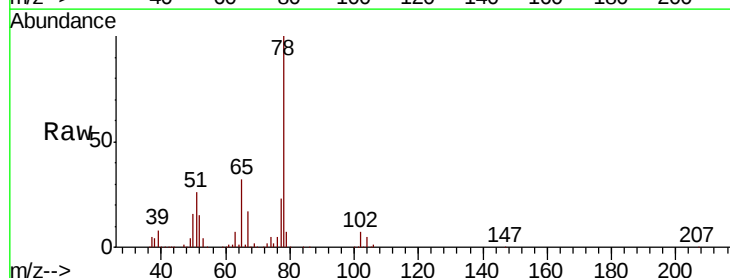
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

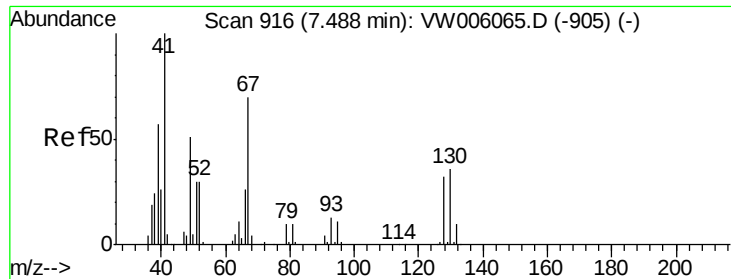
Tot Ion: 83 Resp: 89100
Ion Ratio Lower Upper
83 100
55 74.2 55.0 82.6
98 49.8 38.6 57.8



#40
Benzene
Concen: 21.146 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 78 Resp: 196530
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0

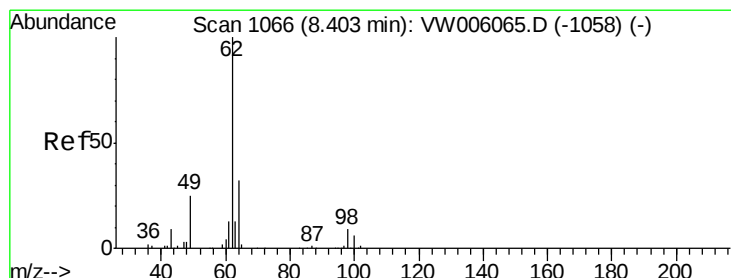
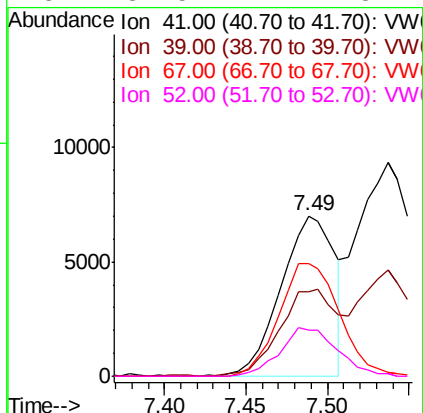
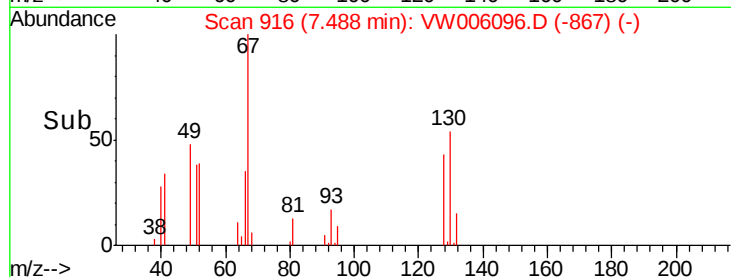
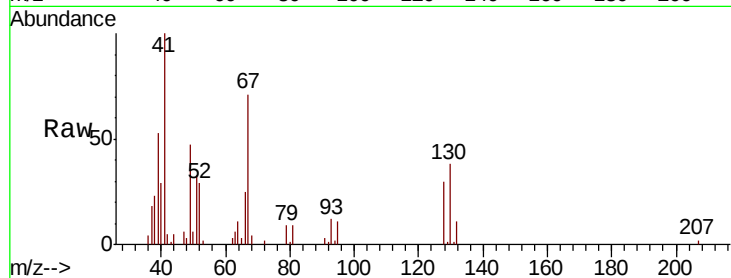




#41
Methacrylonitrile
Concen: 21.072 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

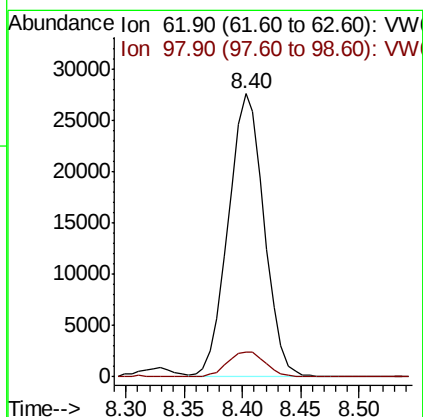
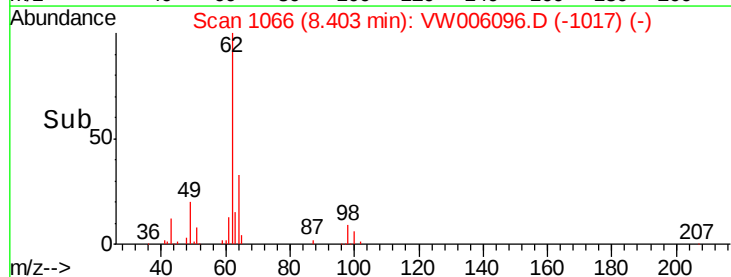
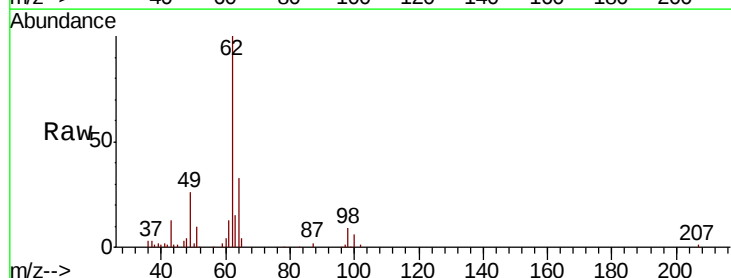
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

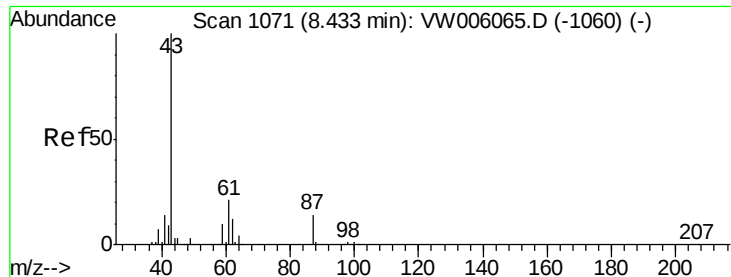
Tot Ion:	41	Resp:	15991
Ion	Ratio	Lower	Upper
41	100		
39	61.4	46.2	69.4
67	79.2	57.7	86.5
52	32.5	24.7	37.1



#42
1,2-Dichloroethane
Concen: 21.585 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion:	62	Resp:	58940
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.202 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

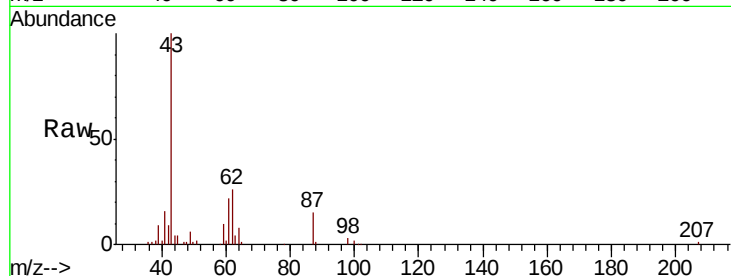
Tot Ion: 43 Resp: 54572

Ion Ratio Lower Upper

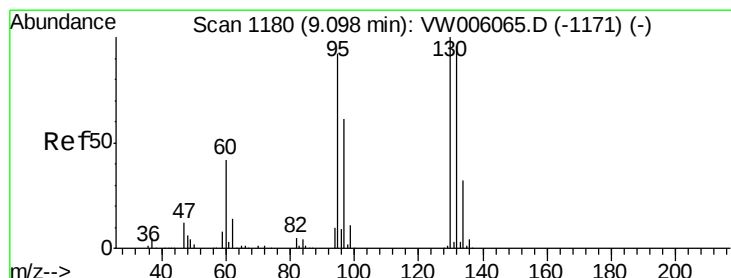
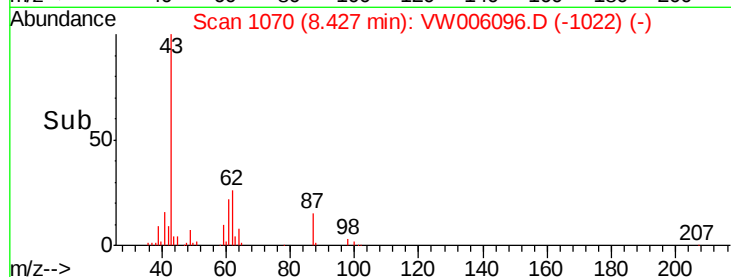
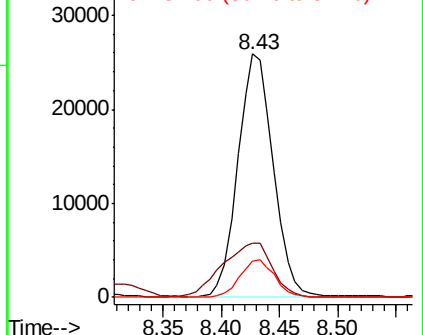
43 100

61 31.6 25.5 38.3

87 15.3 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.889 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006096.D

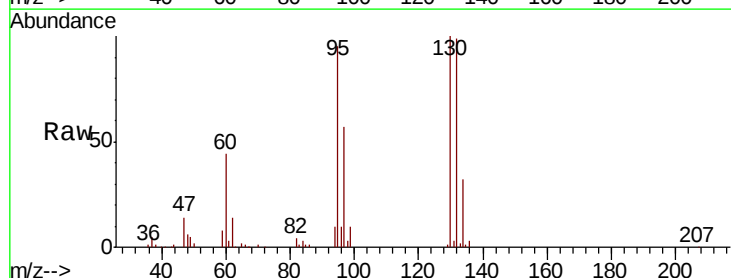
Acq: 17 Oct 2018 00:55

Tgt Ion: 130 Resp: 59564

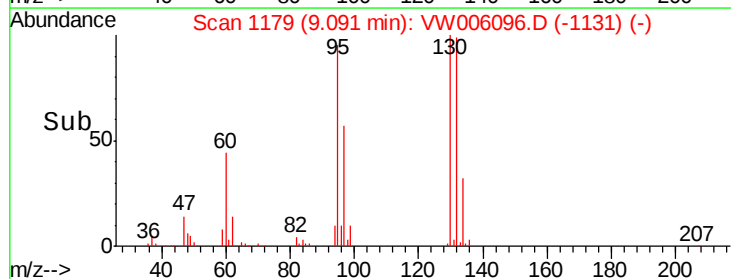
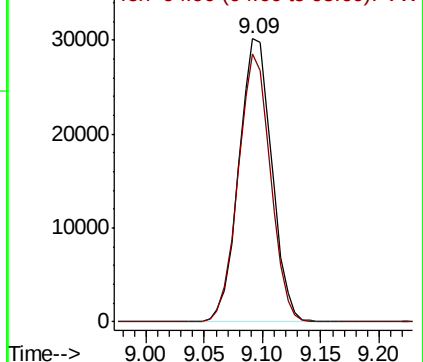
Ion Ratio Lower Upper

130 100

95 94.7 0.0 183.2



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

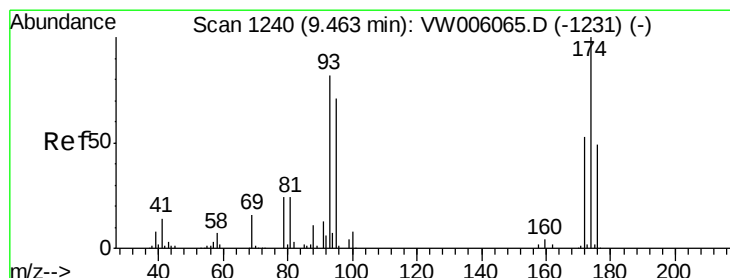
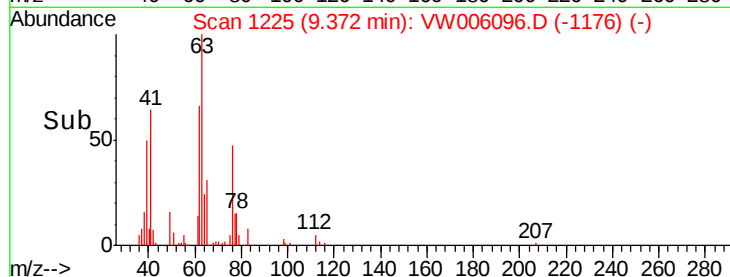
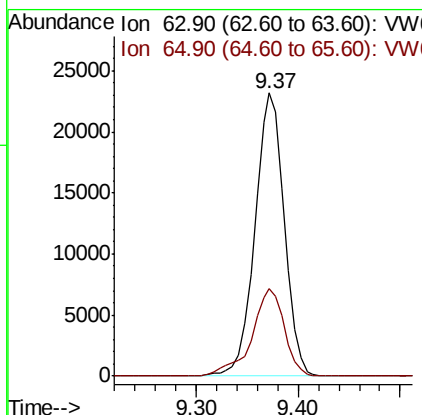
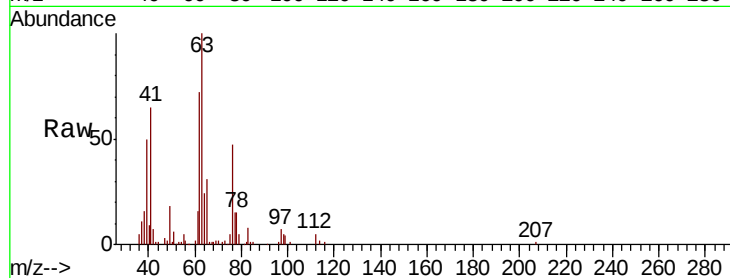




#45
 1,2-Dichloropropane
 Concen: 20.889 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

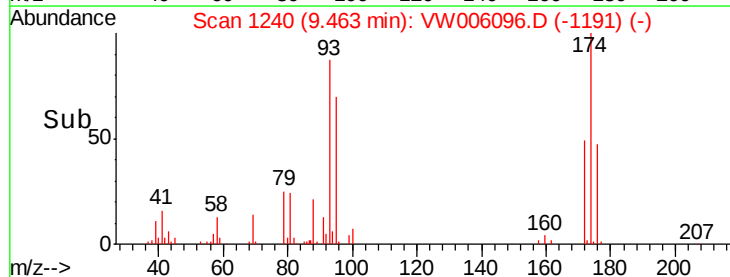
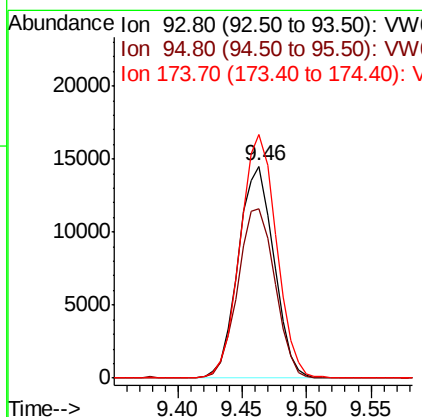
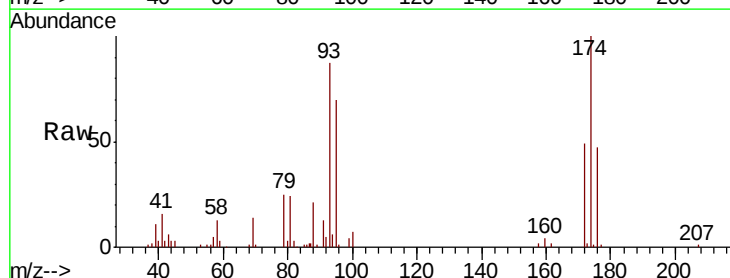
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tot Ion: 63 Resp: 46457
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.4 38.0



#46
 Dibromomethane
 Concen: 21.949 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion: 93 Resp: 27822
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.7 101.5
 174 116.7 93.7 140.5





#47

Bromodichloromethane

Concen: 20.501 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

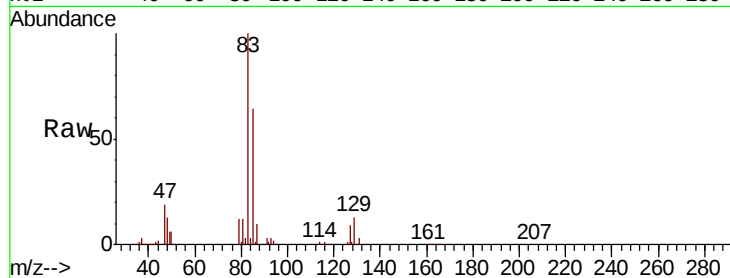
Tot Ion: 83 Resp: 63002

Ion Ratio Lower Upper

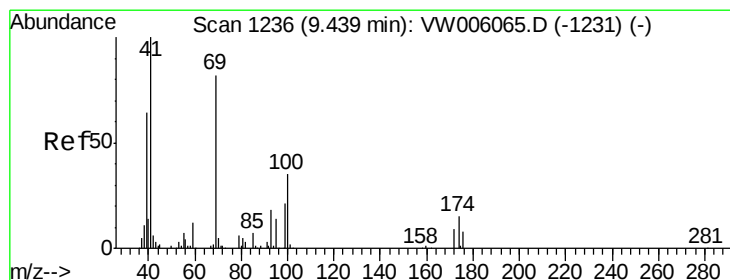
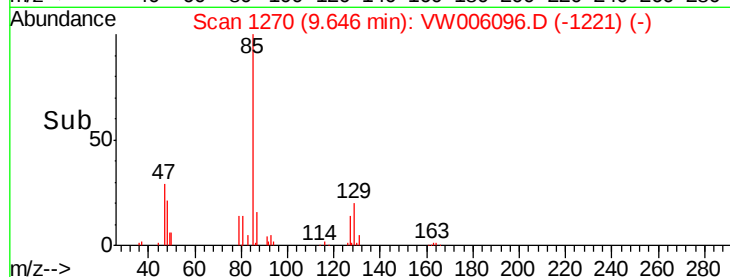
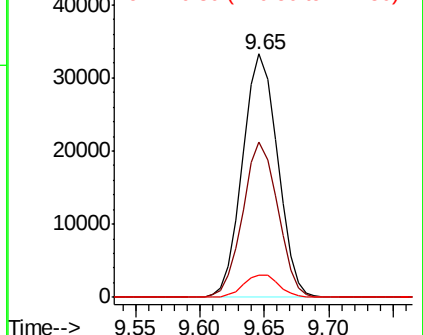
83 100

85 63.9 51.8 77.8

127 8.9 6.9 10.3



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): V



#48

Methyl methacrylate

Concen: 21.488 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

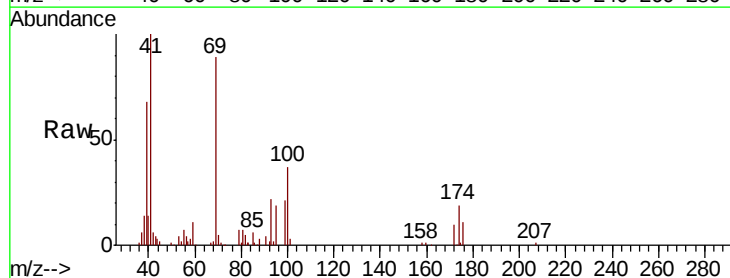
Tgt Ion: 41 Resp: 26216

Ion Ratio Lower Upper

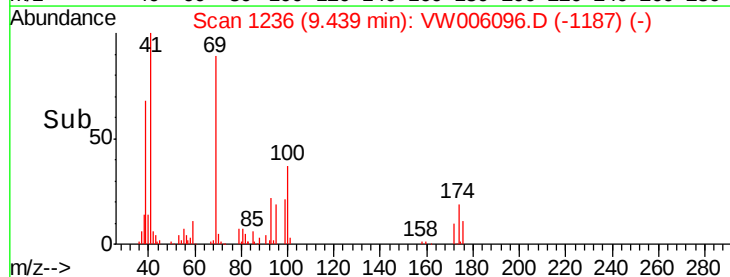
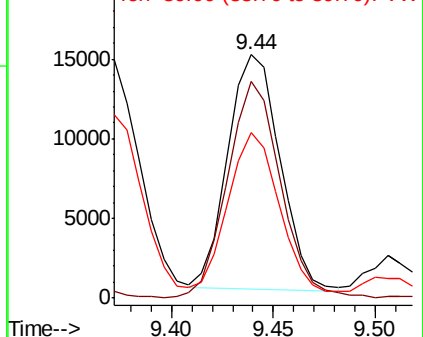
41 100

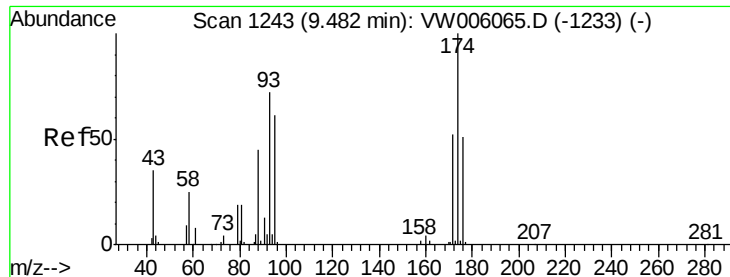
69 94.1 71.8 107.8

39 65.7 52.5 78.7



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: 473.712 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

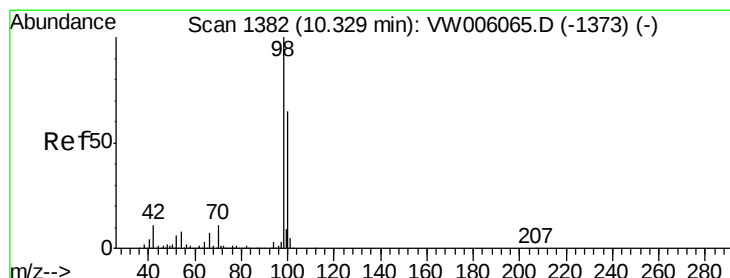
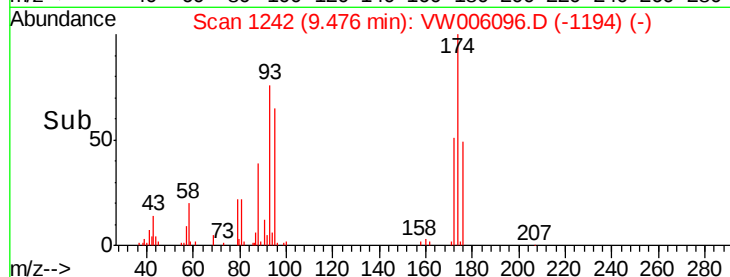
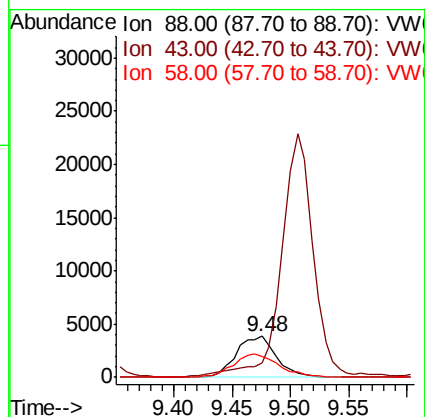
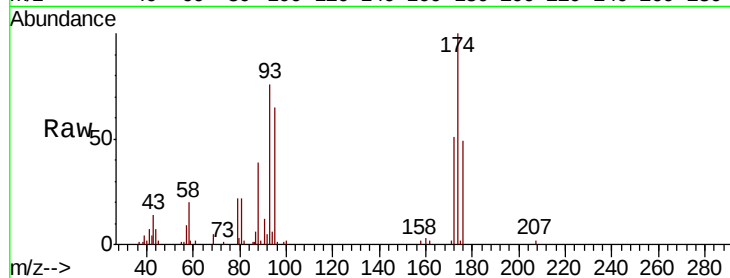
Tot Ion: 88 Resp: 9244

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 65.3 51.2 76.8



#50

Toluene-d8

Concen: 50.417 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006096.D

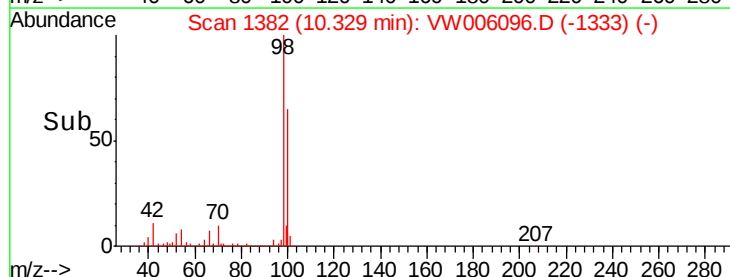
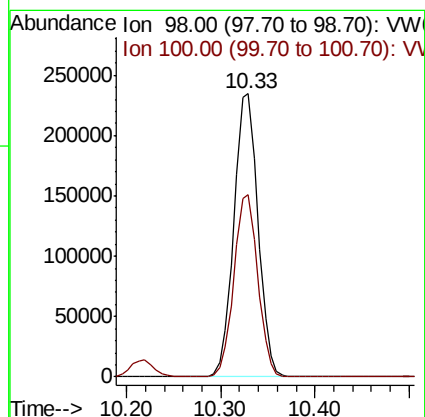
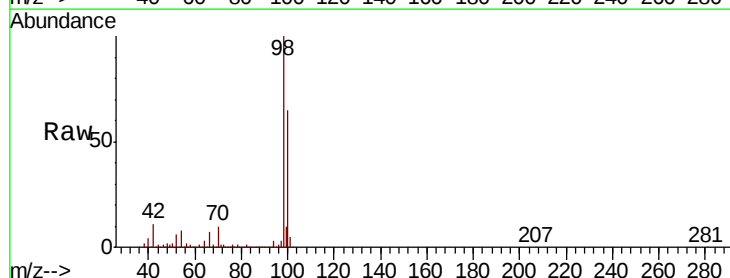
Acq: 17 Oct 2018 00:55

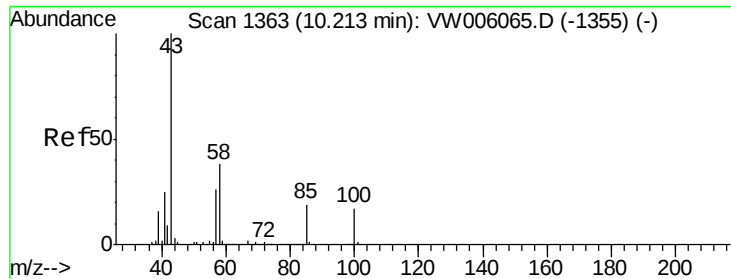
Tgt Ion: 98 Resp: 416639

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 111.701 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

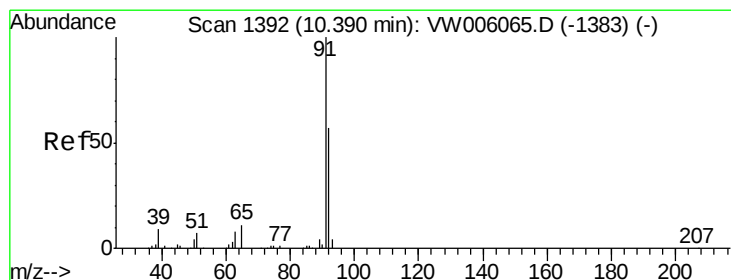
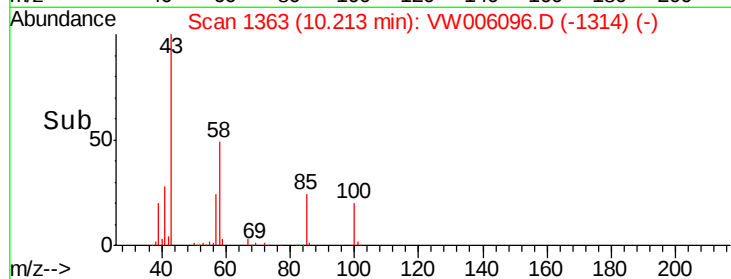
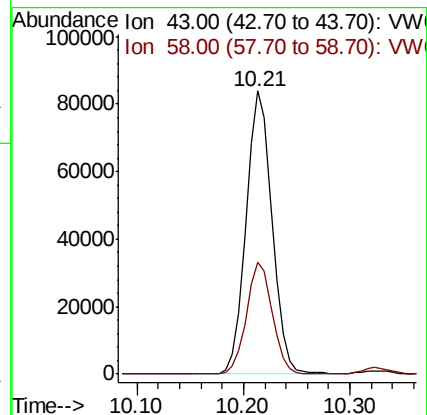
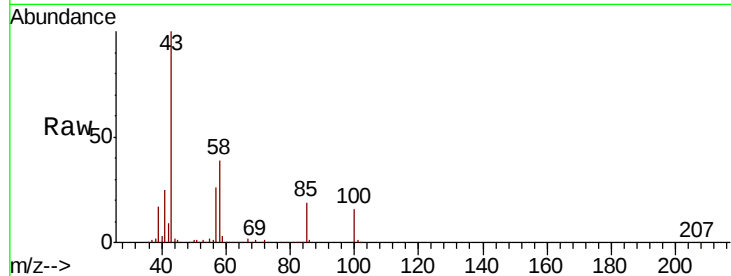
VW1016SBS02

Tot Ion: 43 Resp: 144051

Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3



#52

Toluene

Concen: 21.137 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006096.D

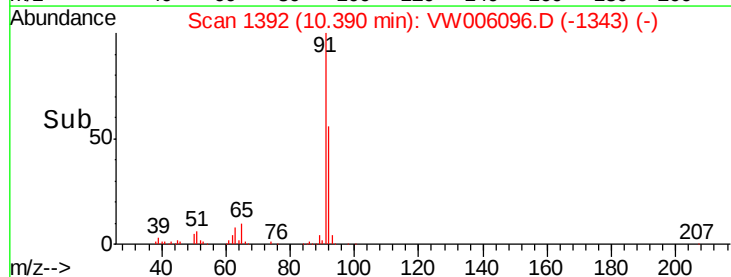
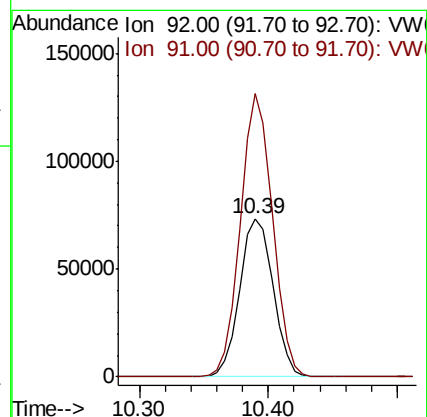
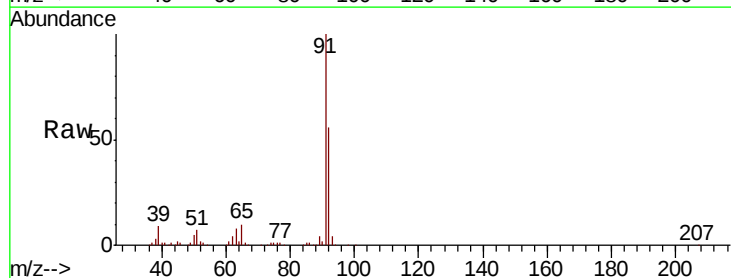
Acq: 17 Oct 2018 00:55

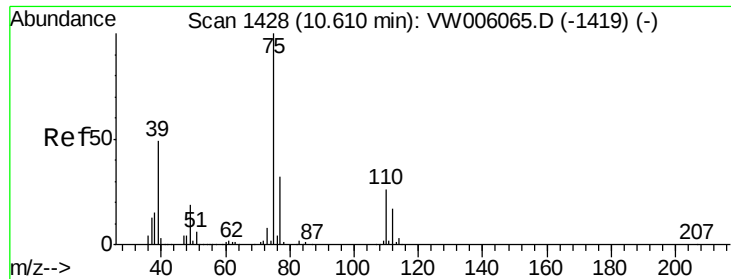
Tgt Ion: 92 Resp: 131707

Ion Ratio Lower Upper

92 100

91 172.2 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 19.601 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

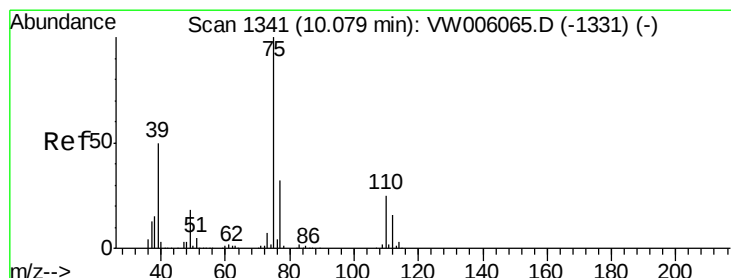
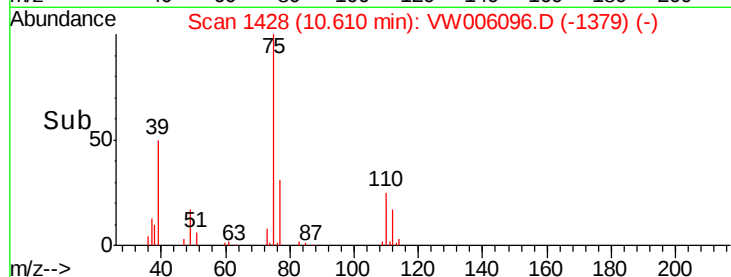
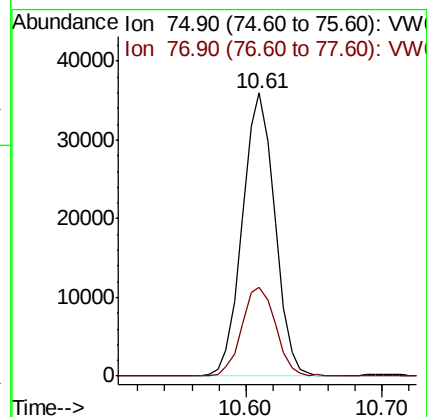
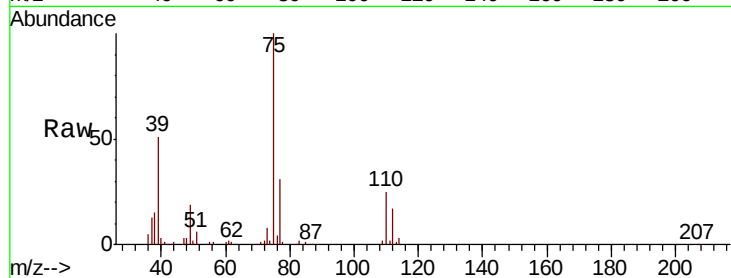
VW1016SBS02

Tot Ion: 75 Resp: 60015

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.212 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

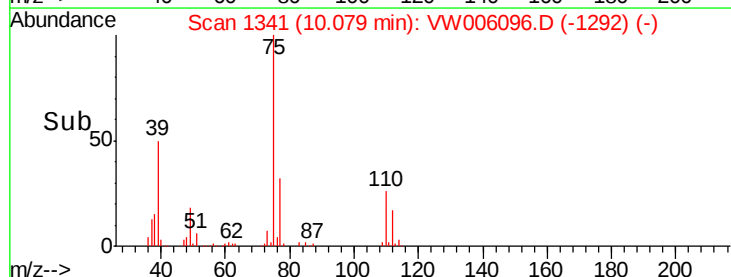
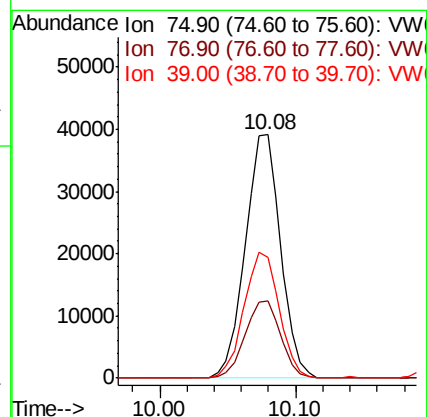
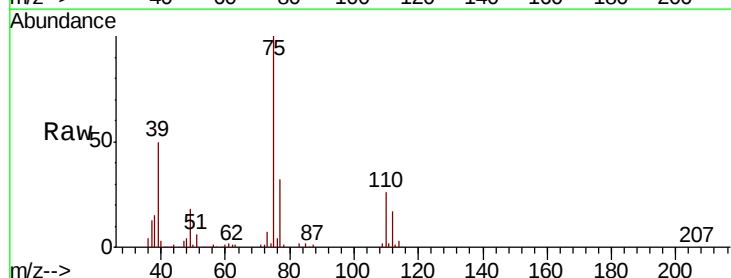
Tgt Ion: 75 Resp: 71028

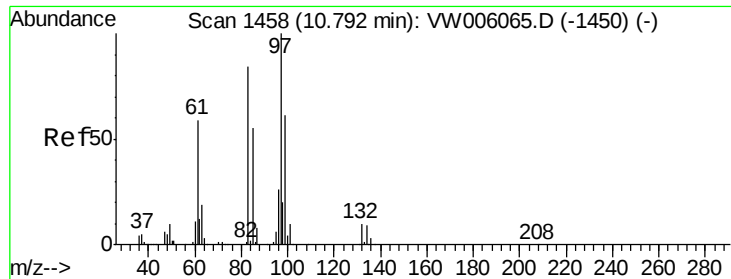
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 49.5 39.9 59.9

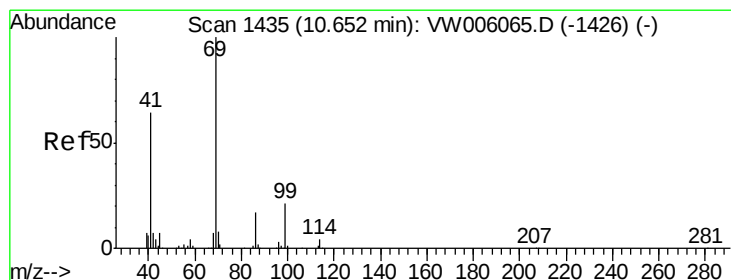
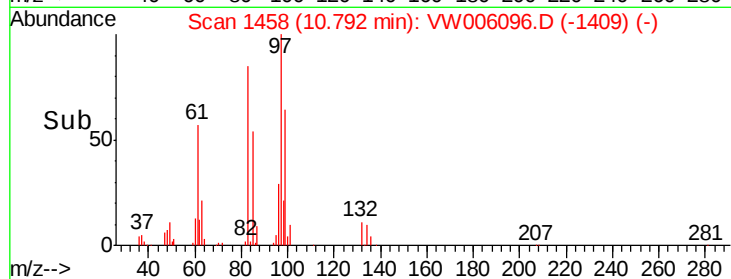
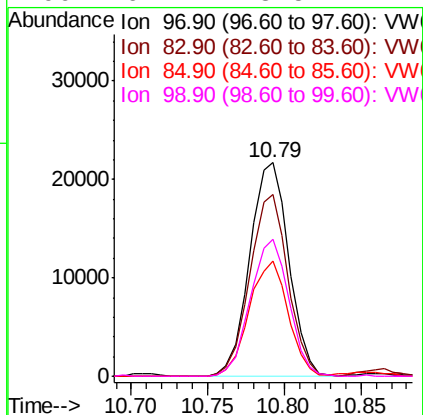
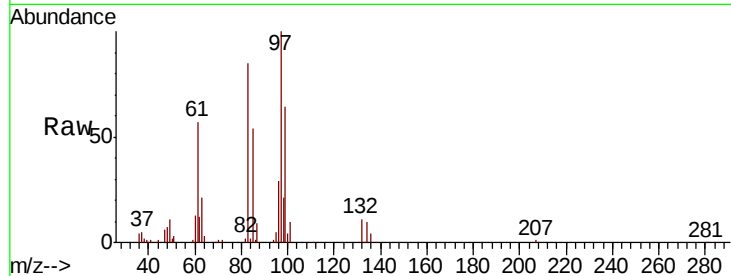




#55
 1,1,2-Trichloroethane
 Concen: 21.732 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

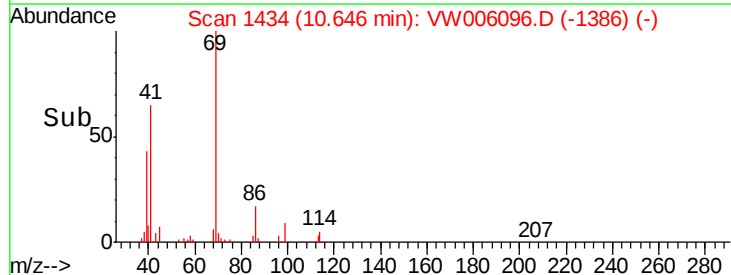
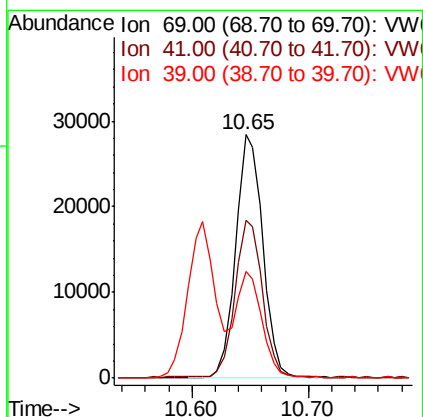
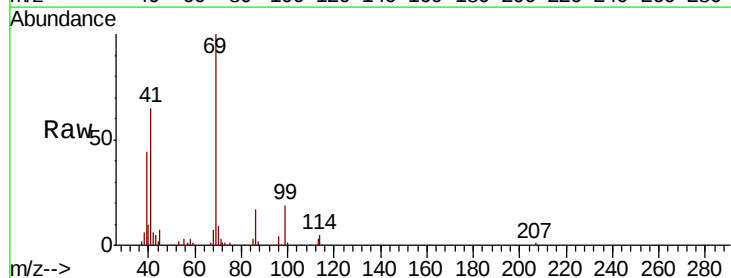
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.2	100.8
85	54.2	43.7	65.5
99	64.1	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 21.325 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.8	79.2
39	42.5	30.6	45.8

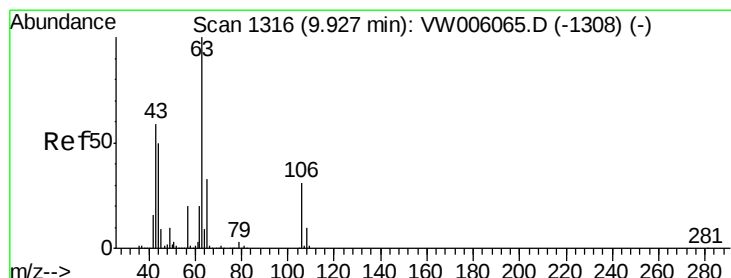
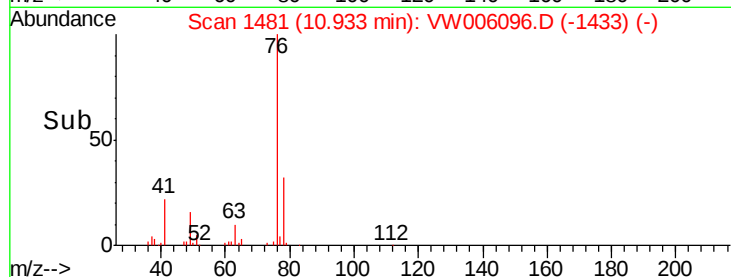
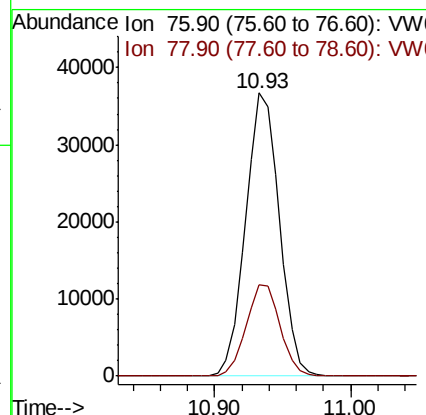
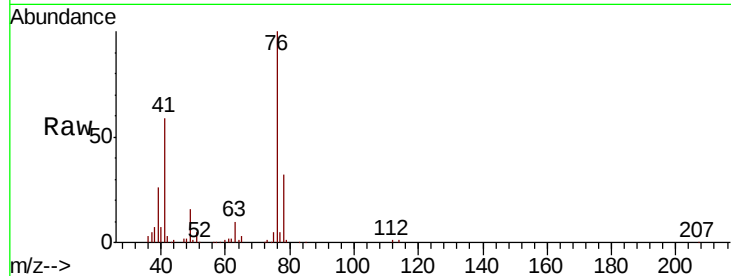




#57
 1,3-Dichloropropane
 Concen: 21.713 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

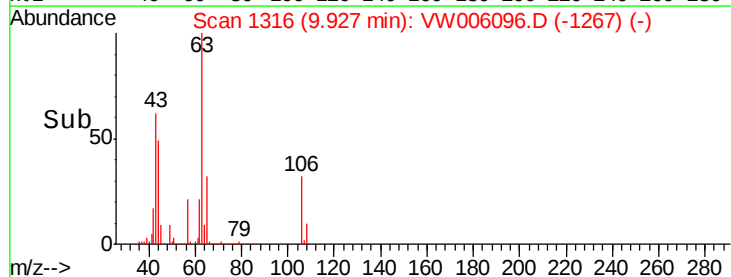
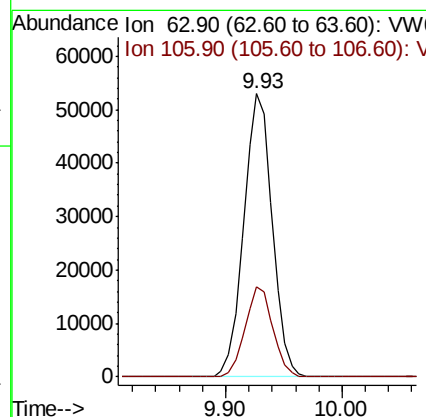
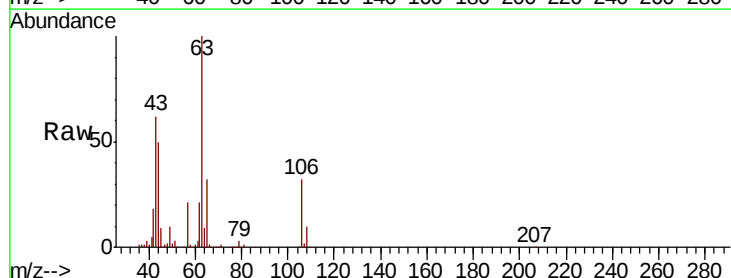
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

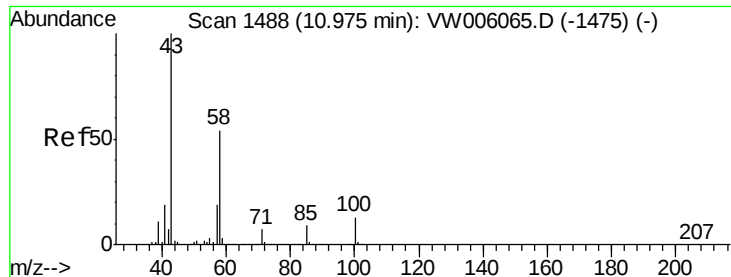
Tot Ion: 76 Resp: 63759
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.540 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion: 63 Resp: 90189
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7

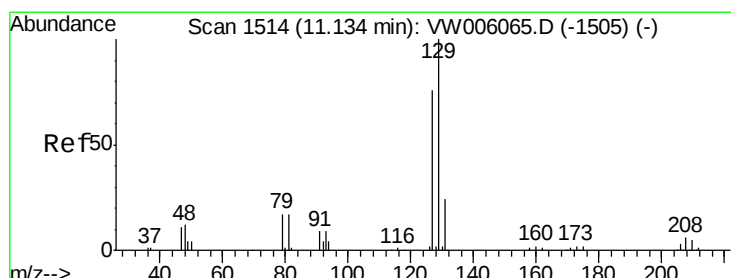
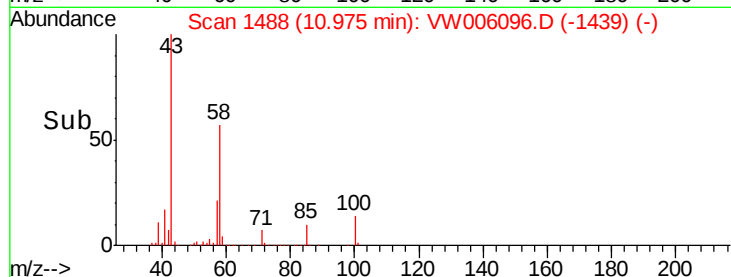
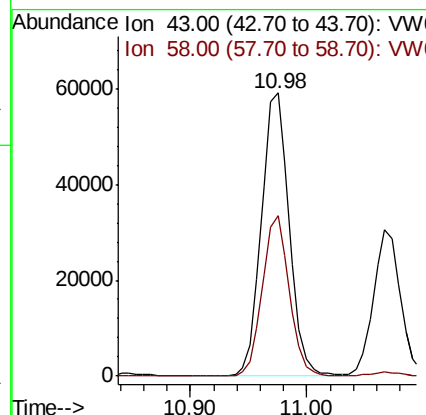
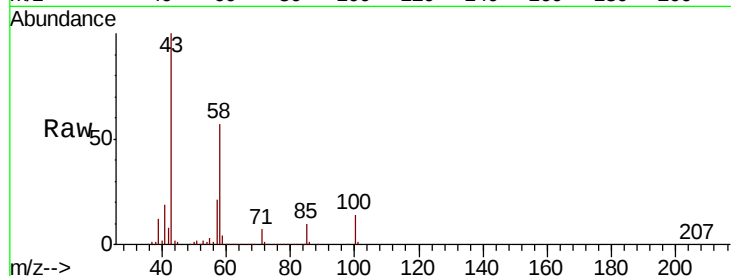




#59
2-Hexanone
Concen: 107.265 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

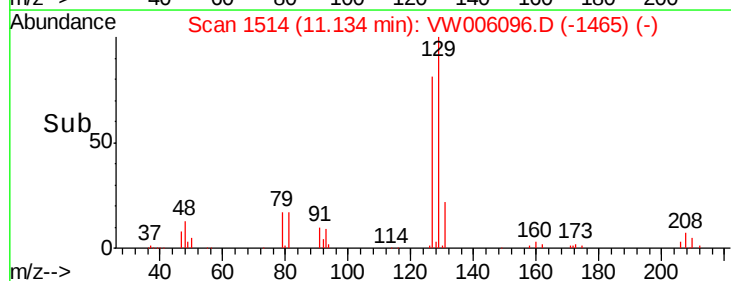
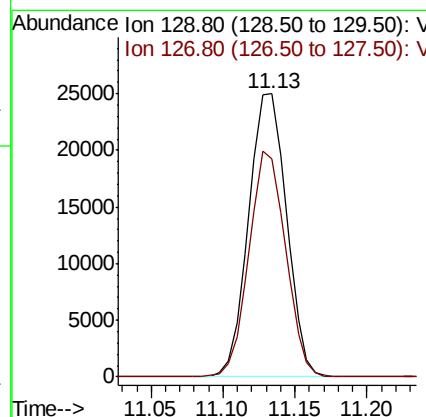
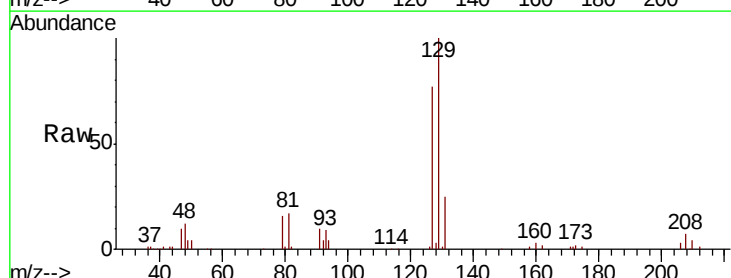
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

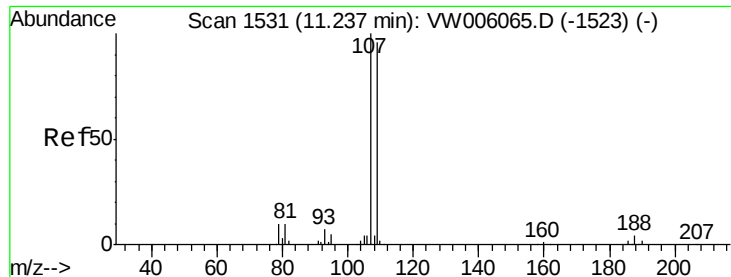
Tot Ion: 43 Resp: 98745
Ion Ratio Lower Upper
43 100
58 54.8 26.9 80.6



#60
Dibromochloromethane
Concen: 20.661 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 129 Resp: 45651
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7

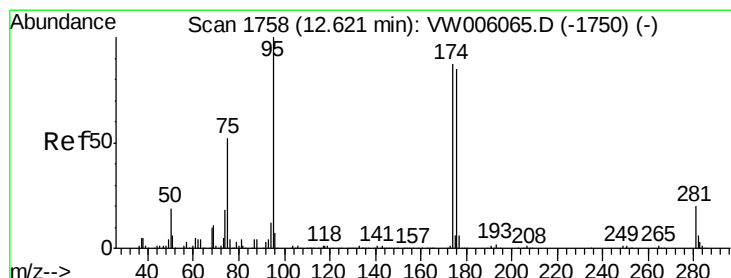
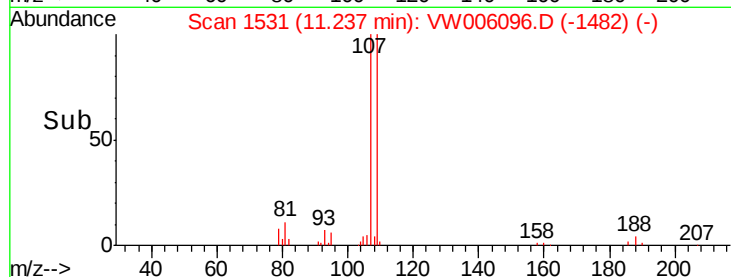
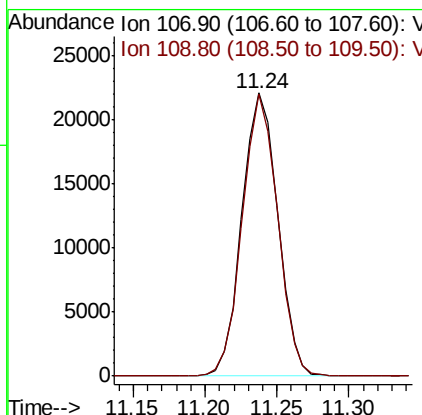
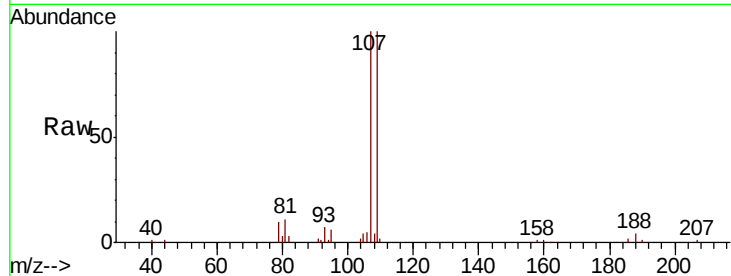




#61
 1,2-Dibromoethane
 Concen: 21.548 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

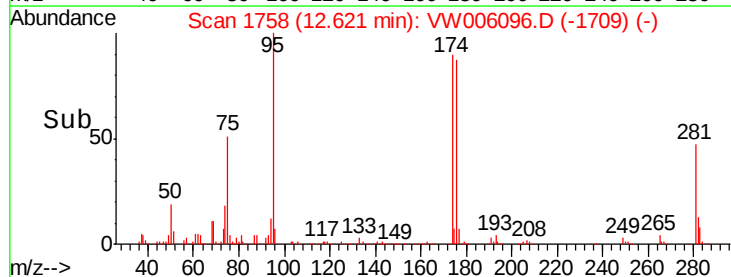
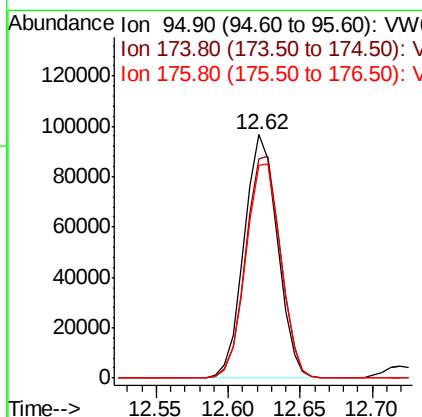
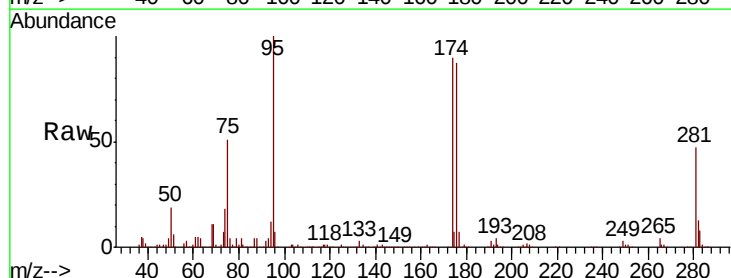
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

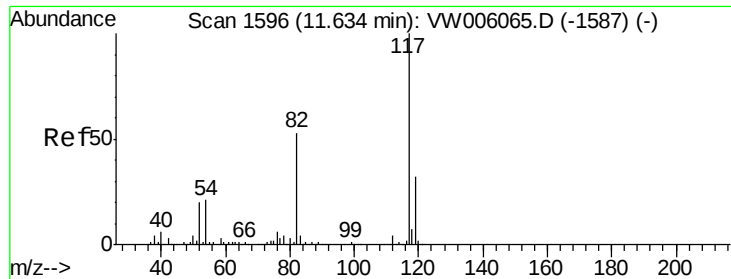
Tot Ion:107 Resp: 38191
 Ion Ratio Lower Upper
 107 100
 109 97.7 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.969 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion: 95 Resp: 155092
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 186.0
 176 92.1 0.0 181.6

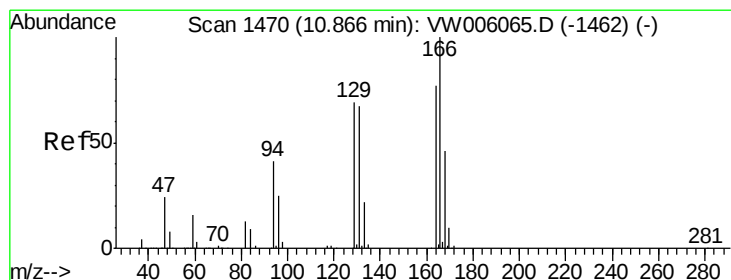
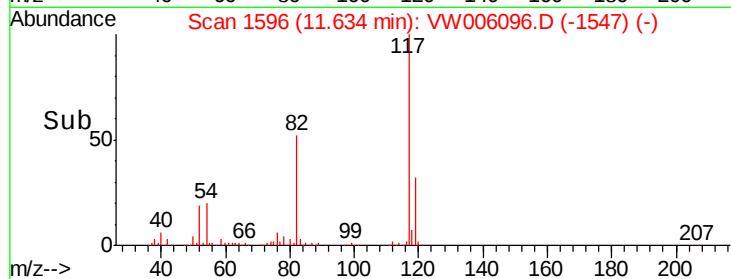
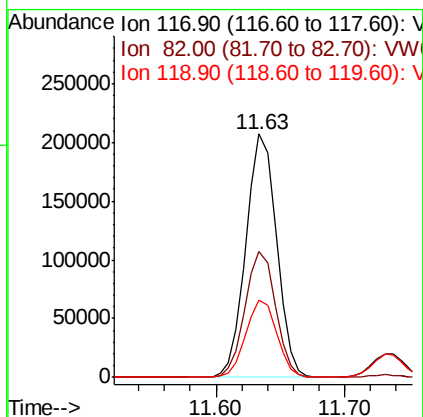
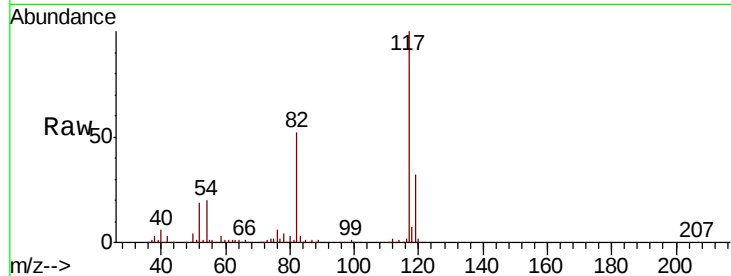




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

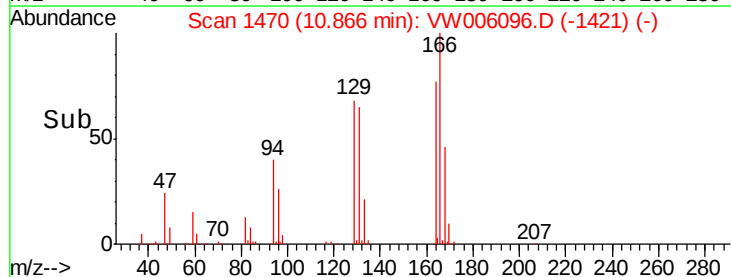
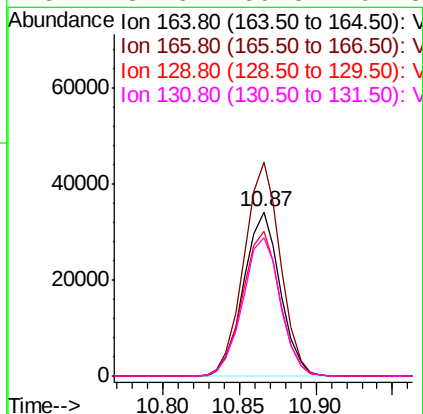
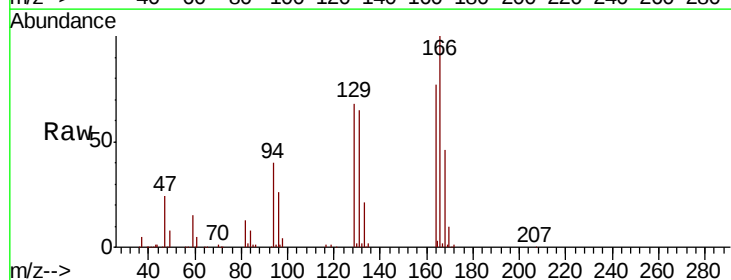
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

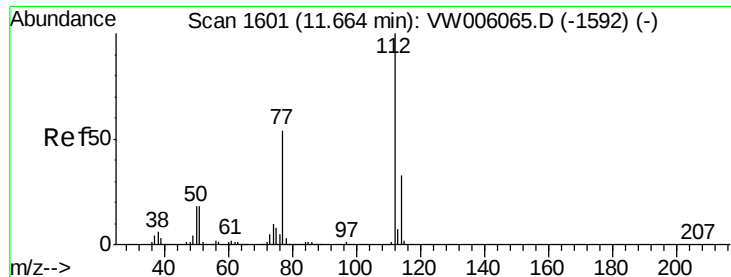
Tot Ion:117 Resp: 339766
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 21.486 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion:164 Resp: 56671
Ion Ratio Lower Upper
164 100
166 130.1 103.4 155.0
129 87.8 71.8 107.8
131 84.6 69.5 104.3





#65

Chlorobenzene

Concen: 20.979 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

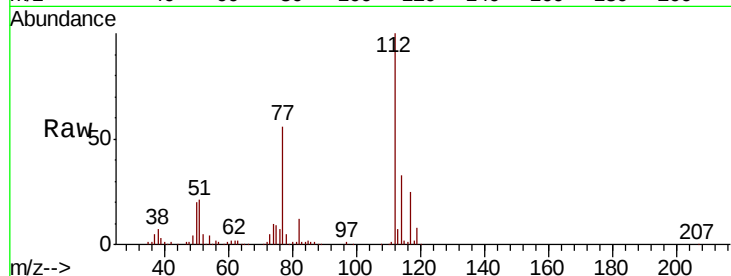
VW1016SBS02

Tot Ion:112 Resp: 152588

Ion Ratio Lower Upper

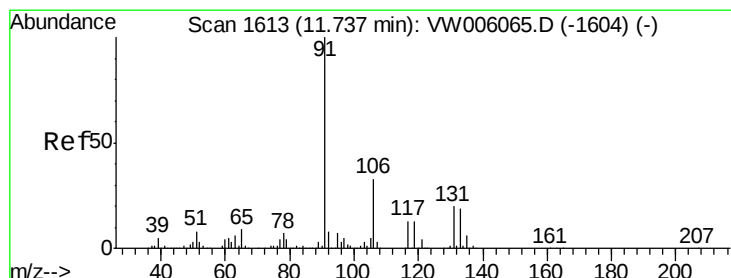
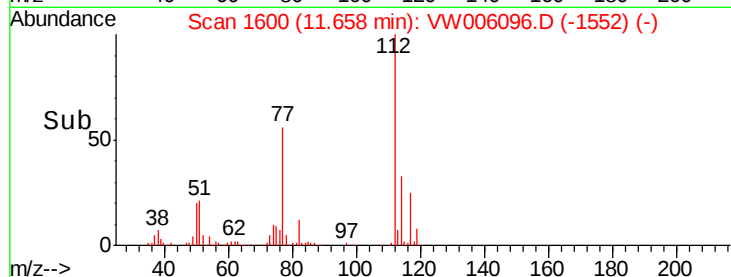
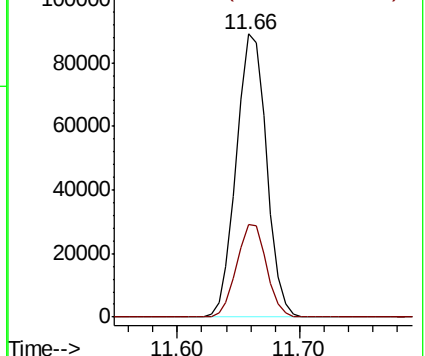
112 100

114 32.9 26.2 39.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.651 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

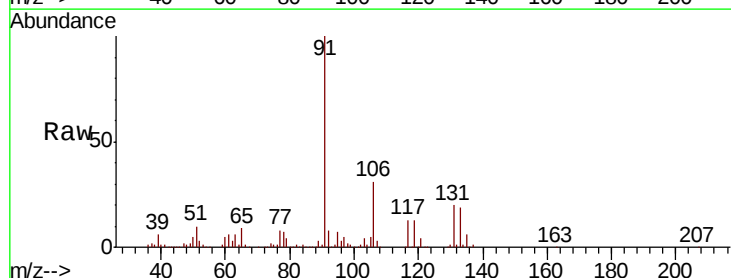
Tgt Ion:131 Resp: 53380

Ion Ratio Lower Upper

131 100

133 94.9 48.1 144.3

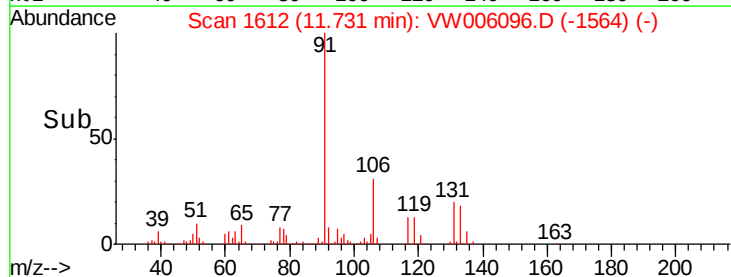
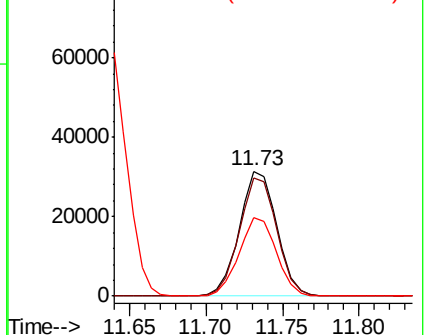
119 62.7 31.6 94.7

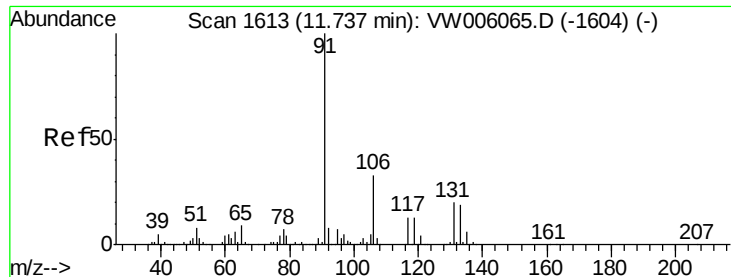


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

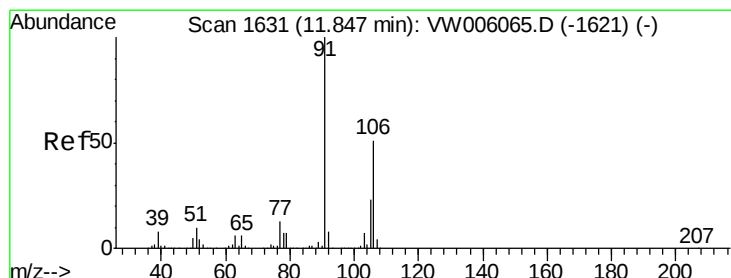
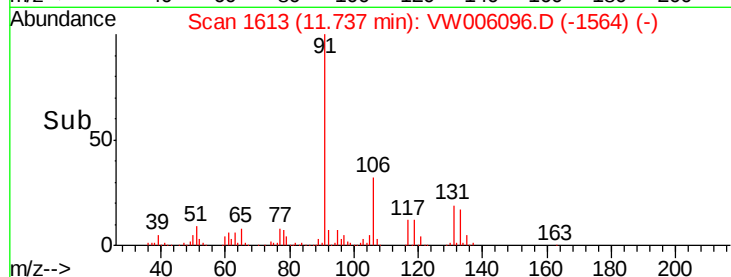
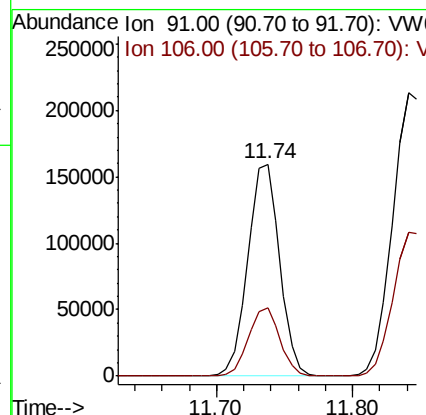
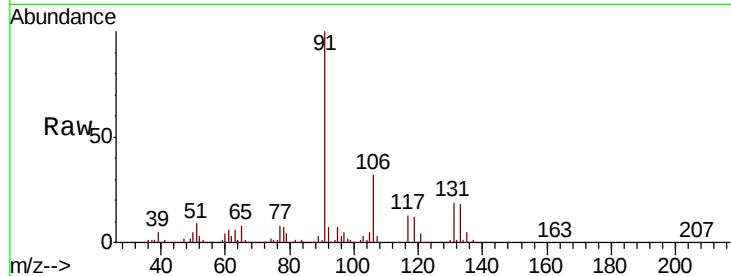




#67
Ethyl Benzene
Concen: 20.720 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

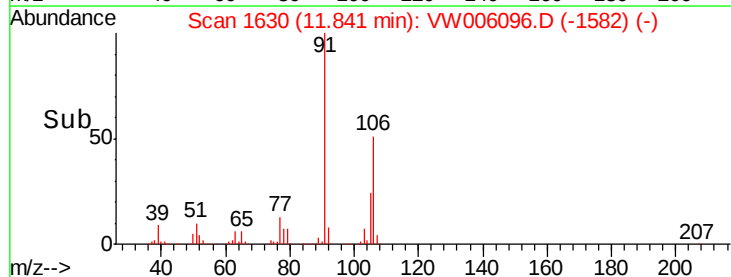
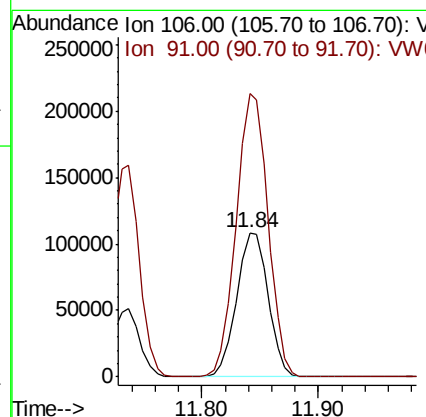
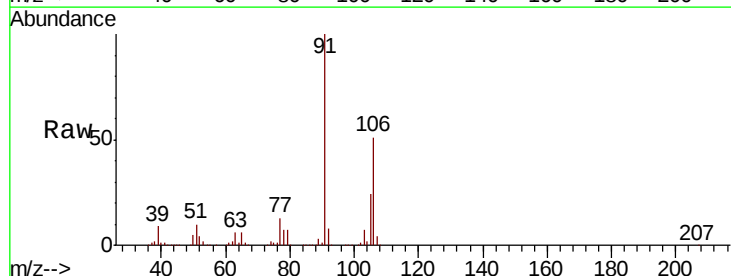
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

Tot Ion: 91 Resp: 261182
Ion Ratio Lower Upper
91 100
106 32.2 26.1 39.1



#68
m/p-Xylenes
Concen: 41.160 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion: 106 Resp: 205066
Ion Ratio Lower Upper
106 100
91 197.9 159.1 238.7

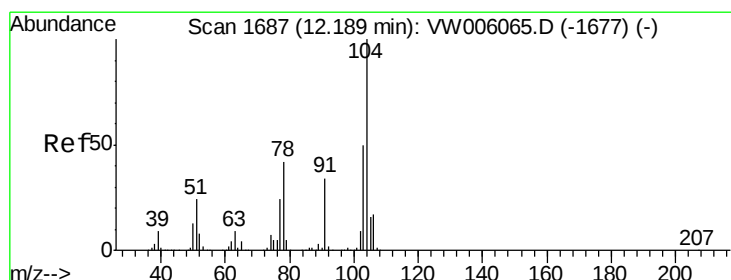
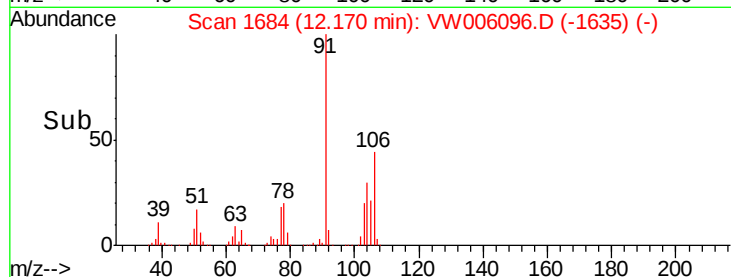
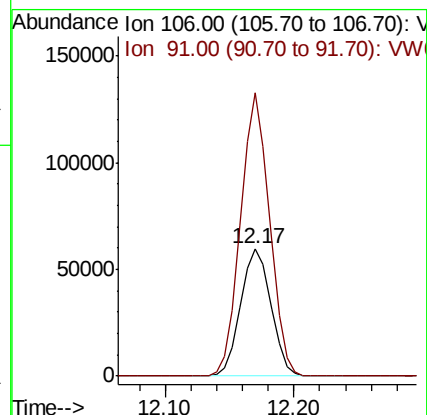
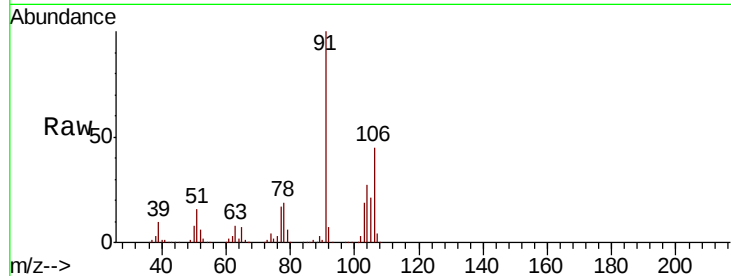




#69
o-Xylene
Concen: 20.499 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

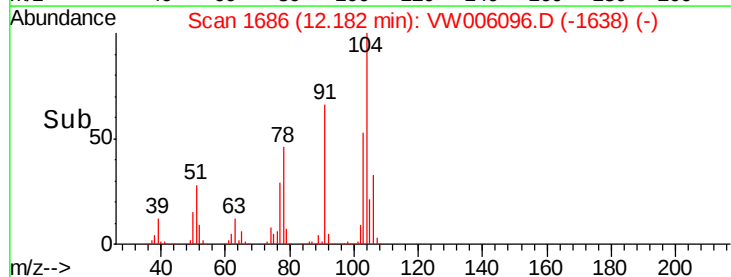
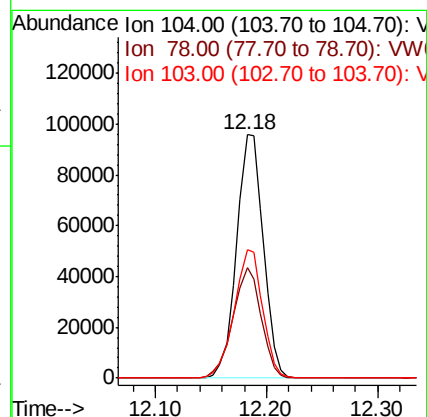
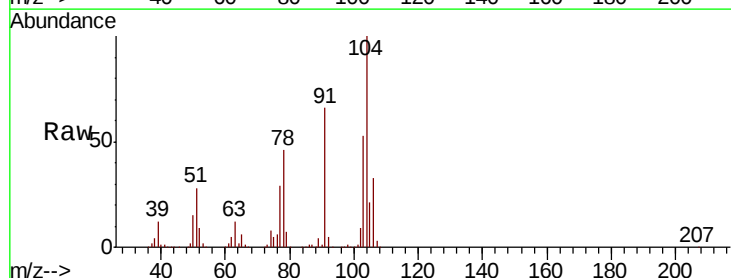
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

Tot Ion:106 Resp: 97332
Ion Ratio Lower Upper
106 100
91 212.7 105.4 316.1



#70
Styrene
Concen: 20.644 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion:104 Resp: 159399
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.7 44.3 66.5





#71

Bromoform

Concen: 19.511 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

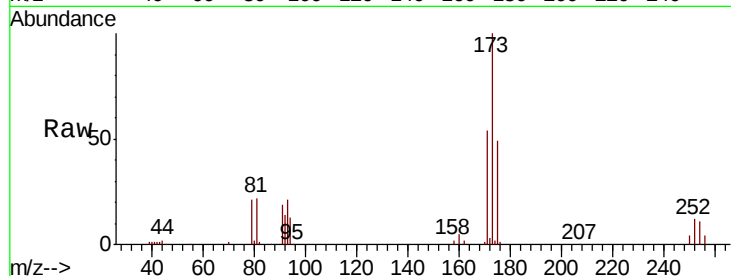
Tot Ion:173 Resp: 28130

Ion Ratio Lower Upper

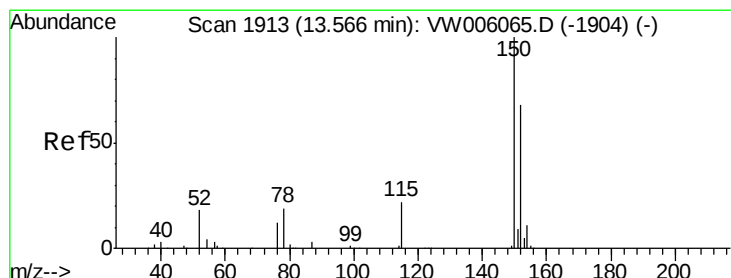
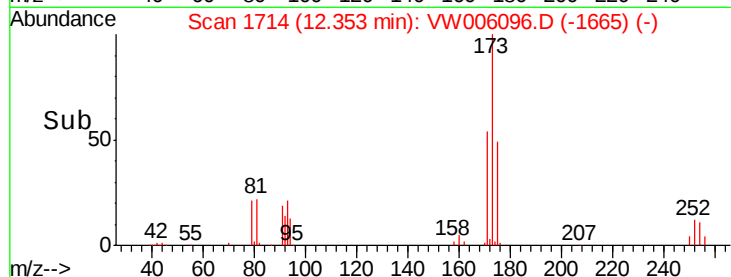
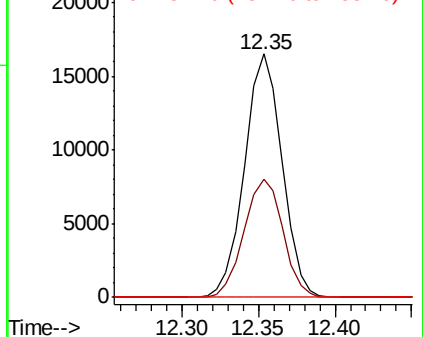
173 100

175 50.4 24.2 72.6

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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

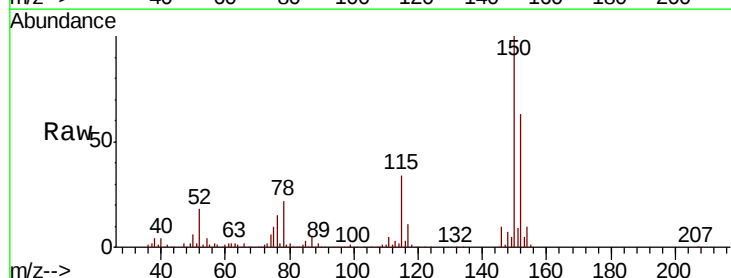
Tgt Ion:152 Resp: 189595

Ion Ratio Lower Upper

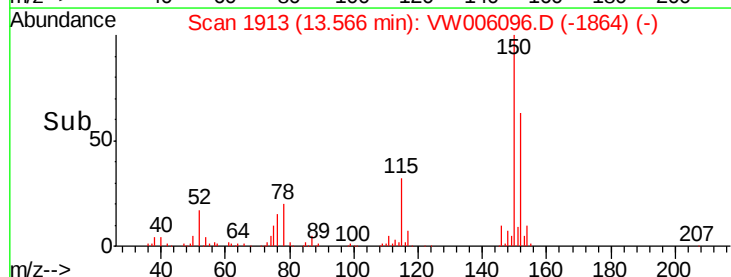
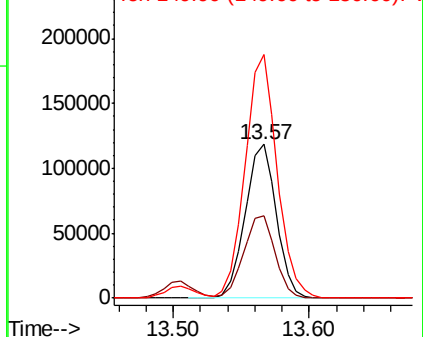
152 100

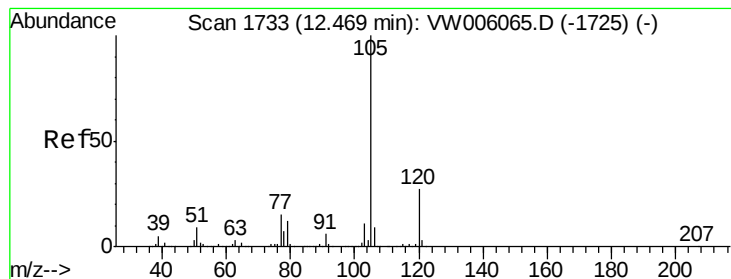
115 54.1 27.8 83.3

150 162.8 0.0 349.2



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: 20.462 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

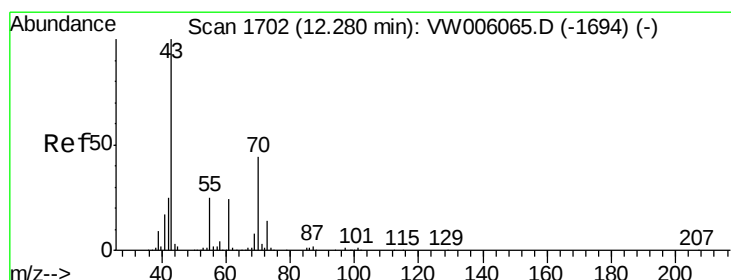
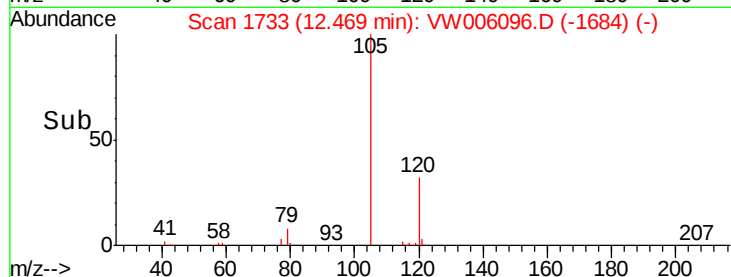
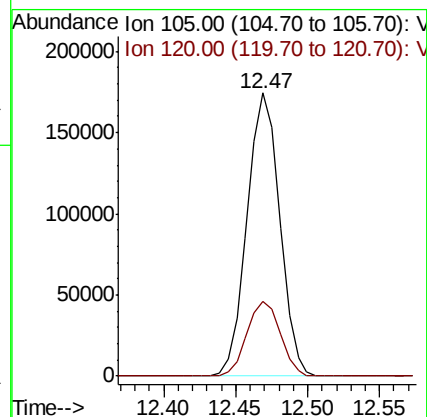
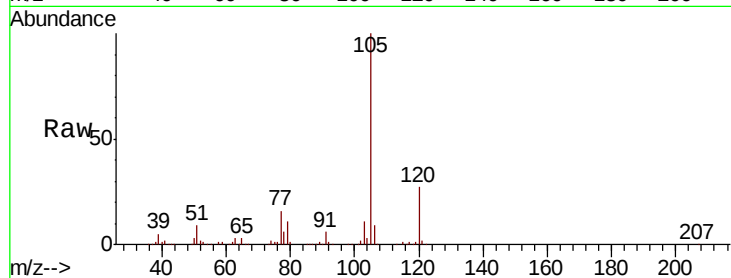
VW1016SBS02

Tot Ion:105 Resp: 274072

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 21.070 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Tgt Ion: 43 Resp: 54815

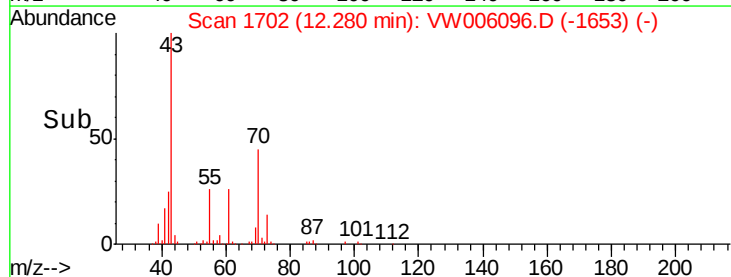
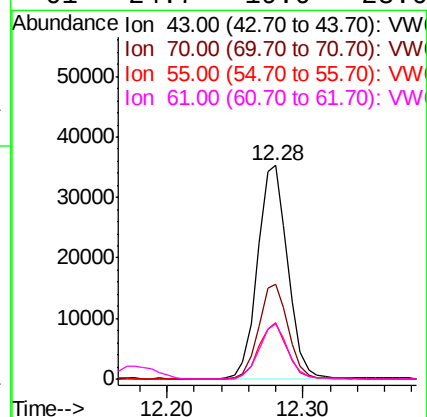
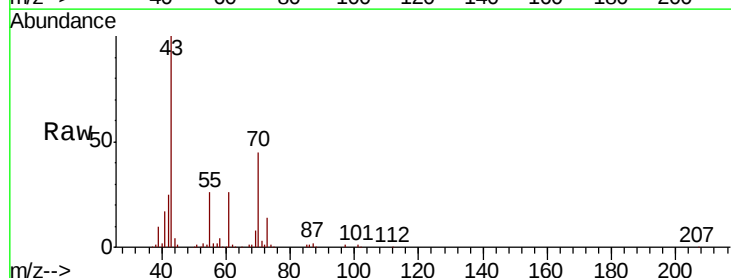
Ion Ratio Lower Upper

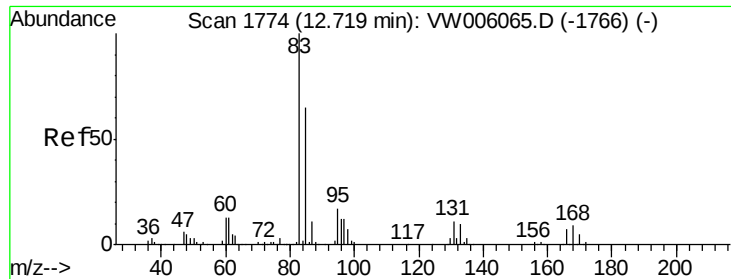
43 100

70 43.9 34.2 51.4

55 25.6 19.2 28.8

61 24.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.709 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

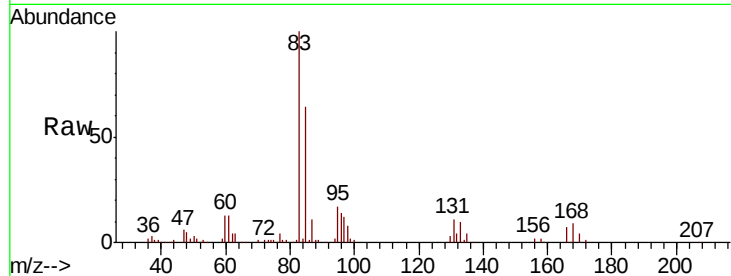
Tot Ion: 83 Resp: 44226

Ion Ratio Lower Upper

83 100

131 12.4 5.9 17.7

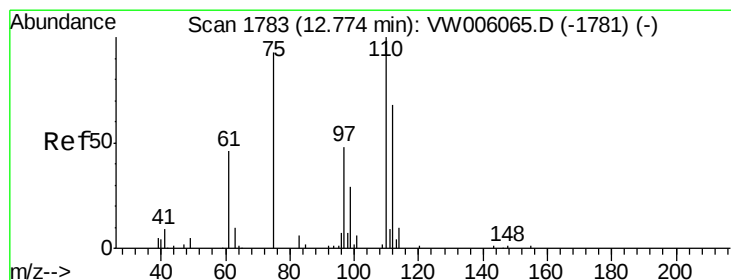
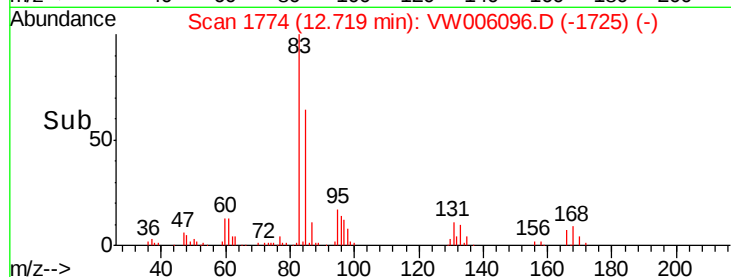
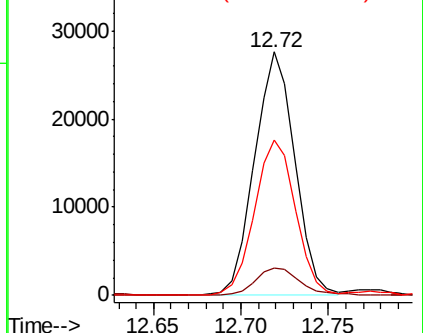
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 24.507 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006096.D

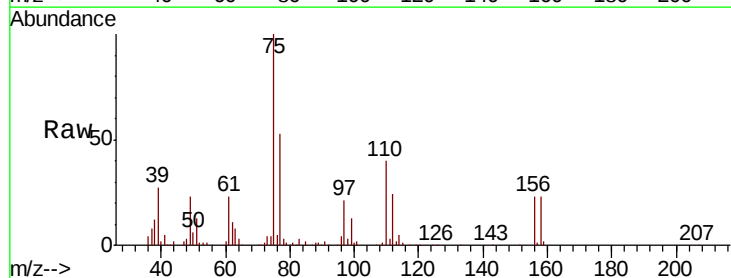
Acq: 17 Oct 2018 00:55

Tgt Ion: 75 Resp: 35489

Ion Ratio Lower Upper

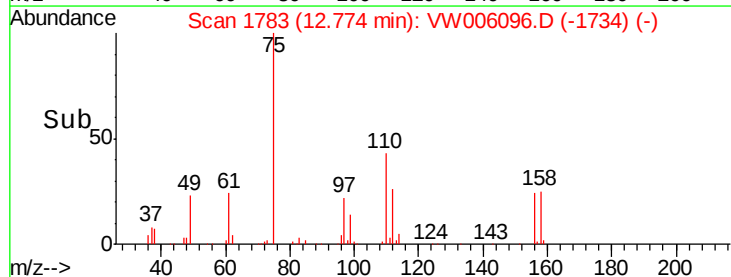
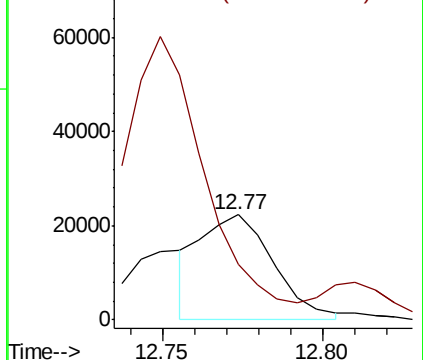
75 100

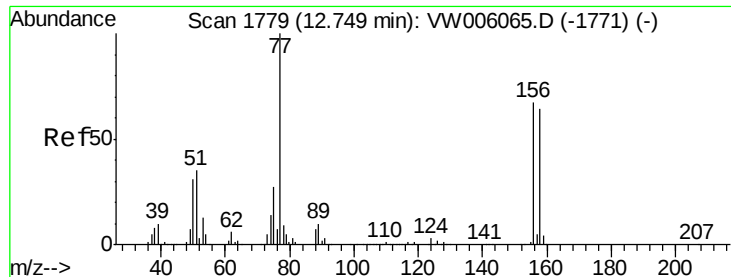
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.013 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

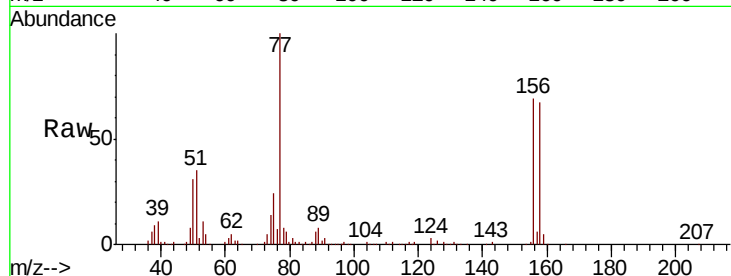
Tot Ion:156 Resp: 68939

Ion Ratio Lower Upper

156 100

77 158.5 79.1 237.4

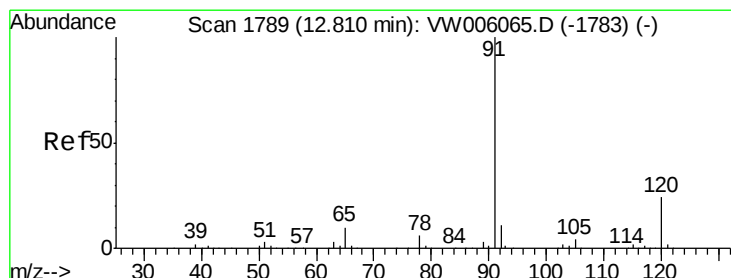
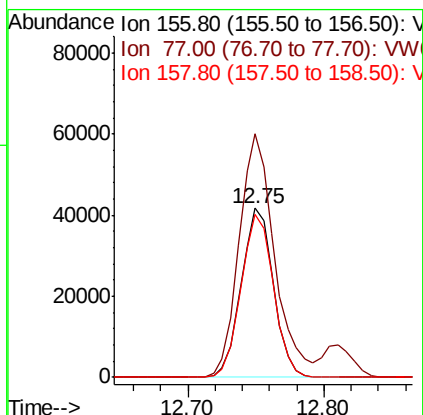
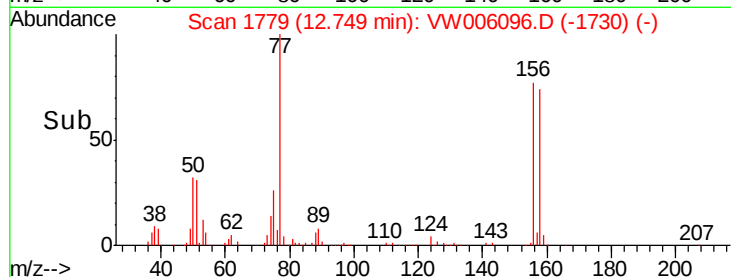
158 97.1 48.5 145.6



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: 20.433 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006096.D

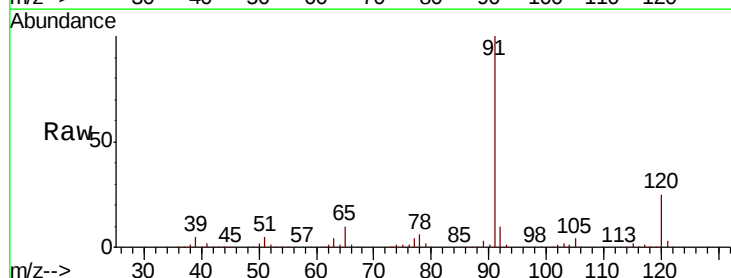
Acq: 17 Oct 2018 00:55

Tgt Ion: 91 Resp: 318408

Ion Ratio Lower Upper

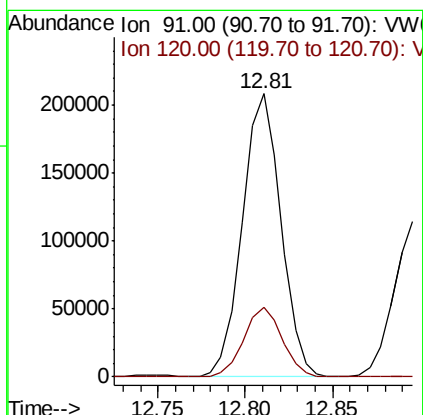
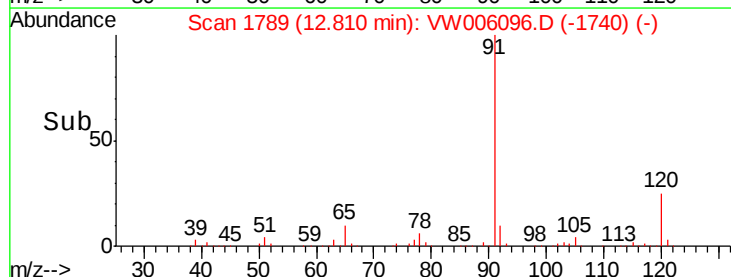
91 100

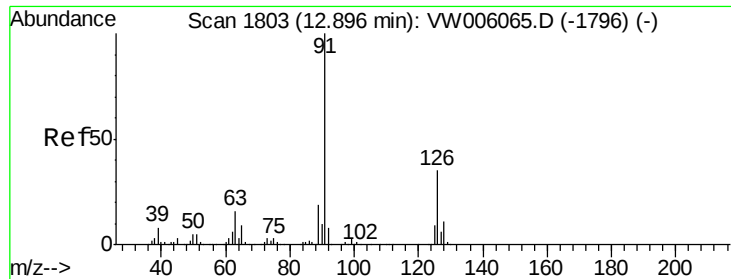
120 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

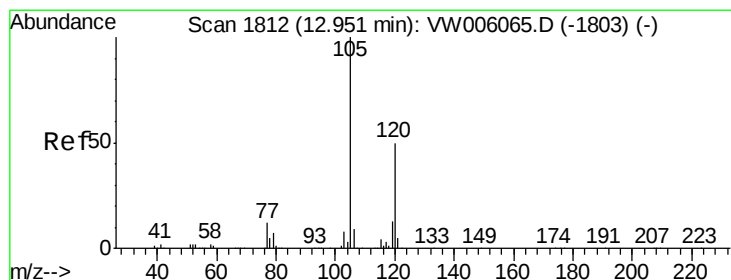
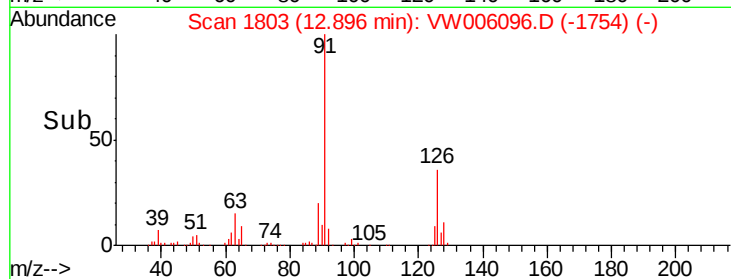
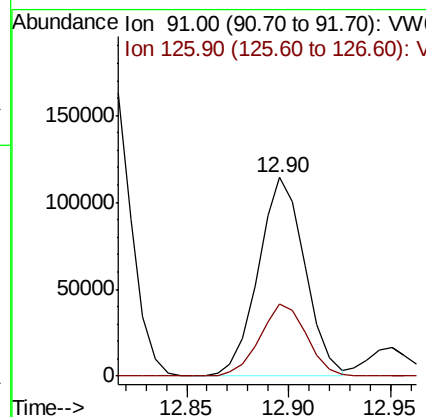
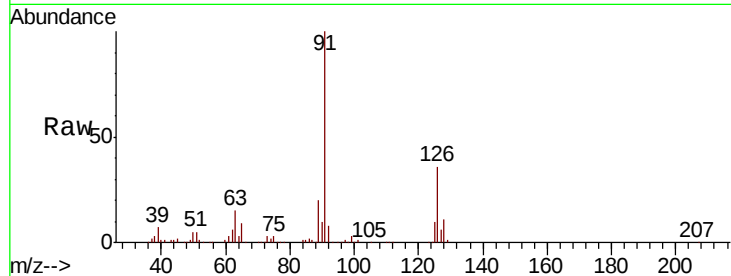




#79
 2-Chlorotoluene
 Concen: 20.662 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

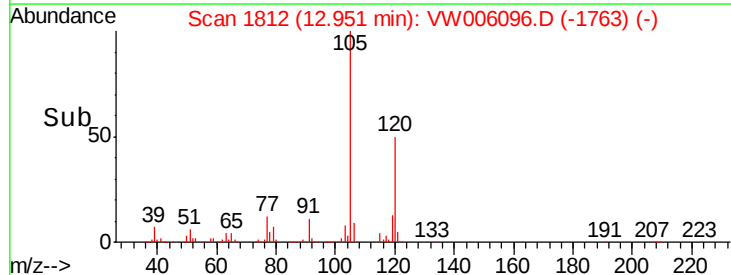
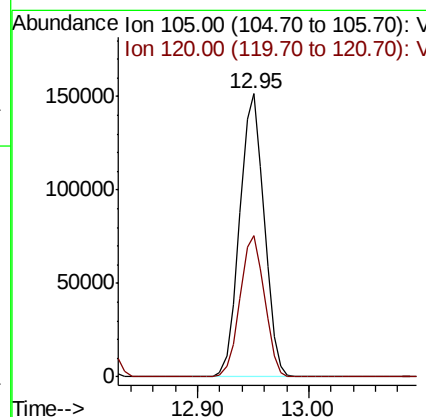
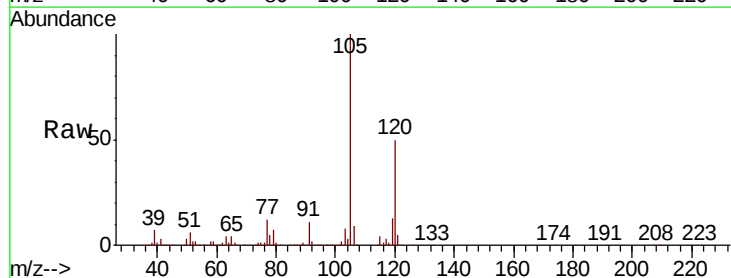
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tot Ion: 91 Resp: 180910
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.445 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion:105 Resp: 230857
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.656 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

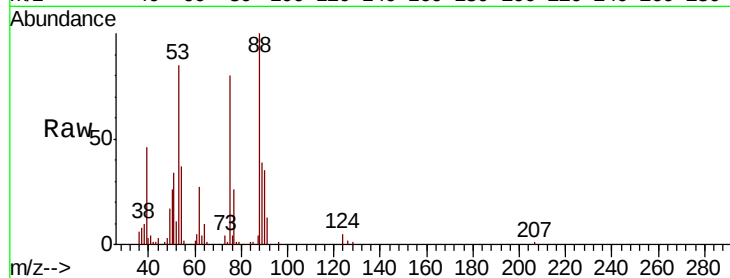
Tot Ion: 75 Resp: 10696

Ion Ratio Lower Upper

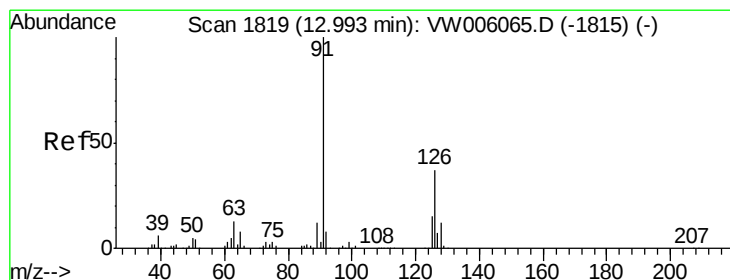
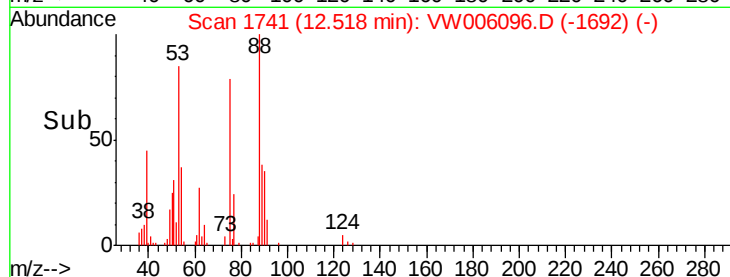
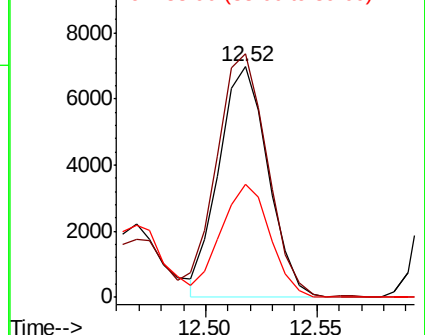
75 100

53 110.5 79.8 119.6

89 49.1 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.819 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006096.D

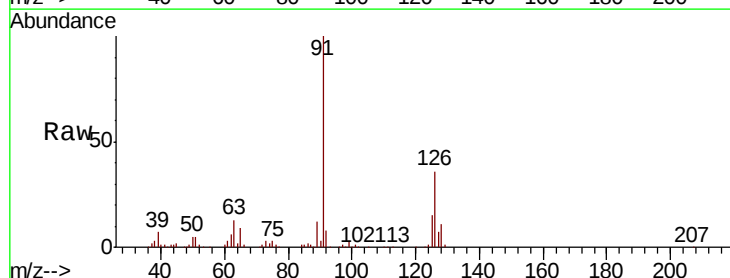
Acq: 17 Oct 2018 00:55

Tgt Ion: 91 Resp: 190947

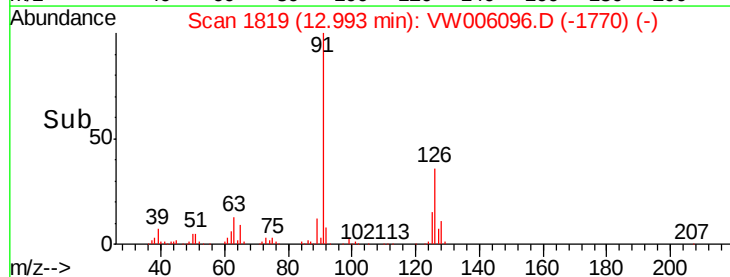
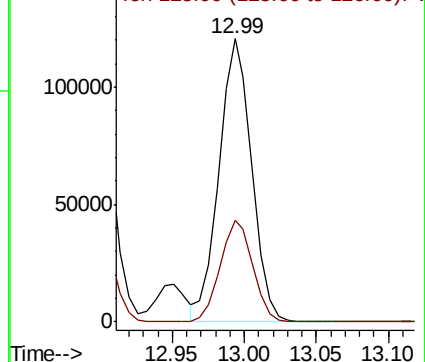
Ion Ratio Lower Upper

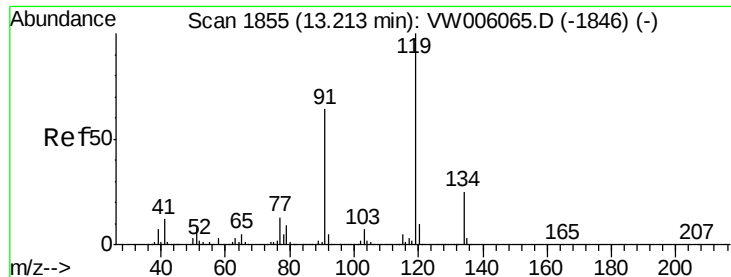
91 100

126 35.9 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

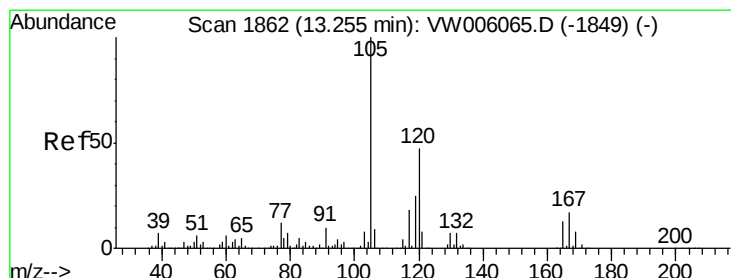
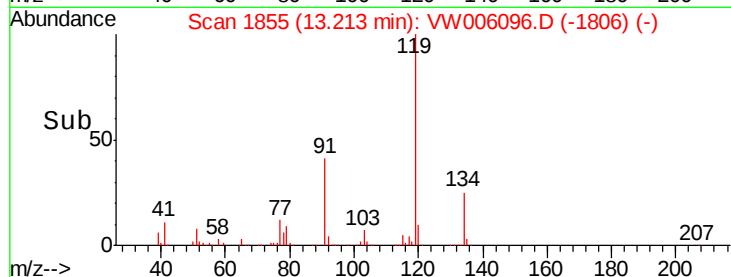
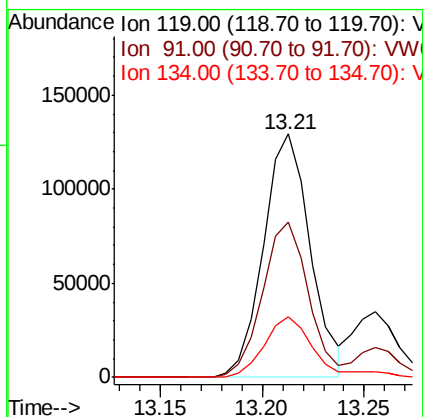
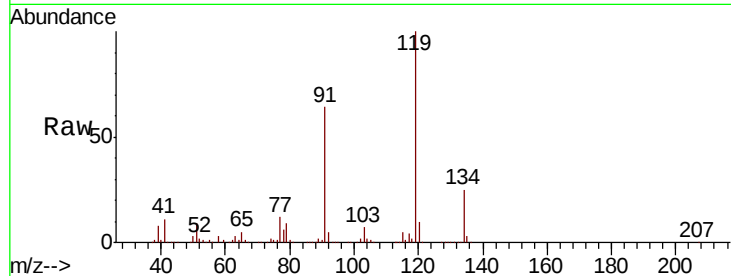




#83
tert-Butylbenzene
Concen: 20.487 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

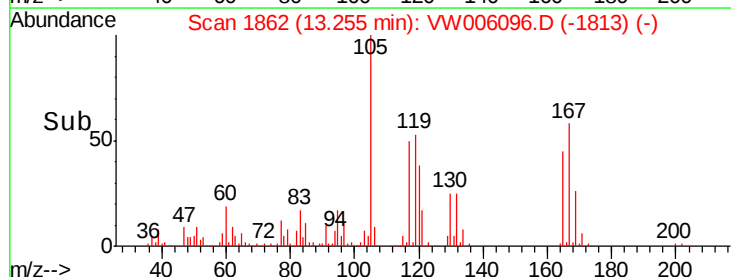
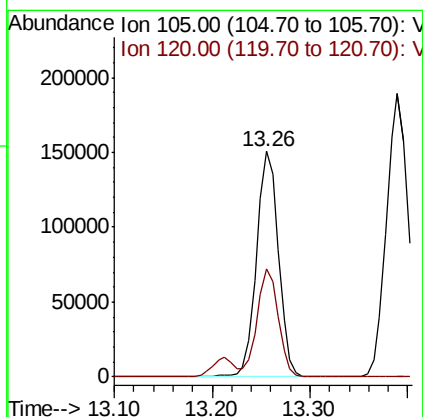
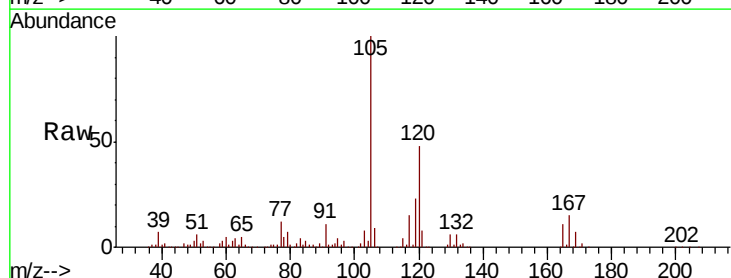
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

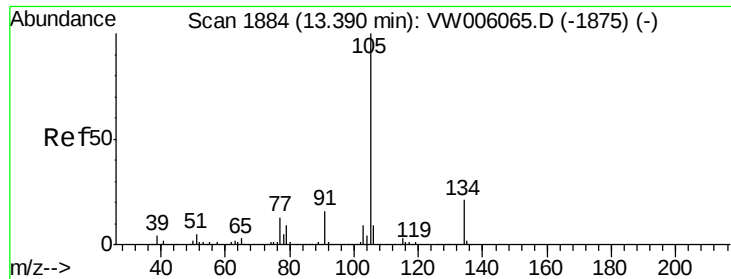
Tot Ion:119 Resp: 206969
Ion Ratio Lower Upper
119 100
91 62.4 32.3 96.9
134 26.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.625 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006096.D
Acq: 17 Oct 2018 00:55

Tgt Ion:105 Resp: 235665
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.453 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

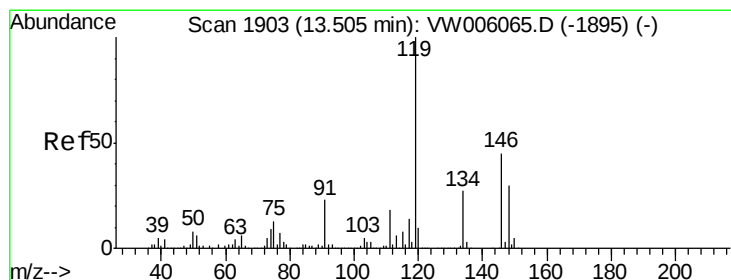
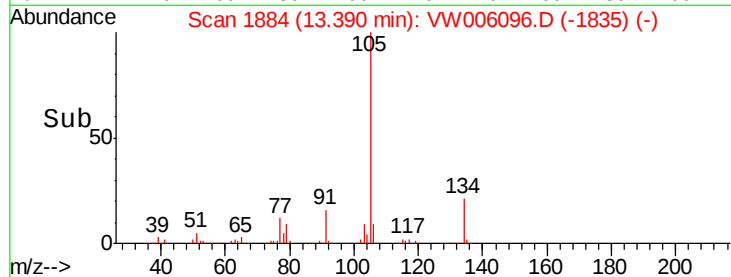
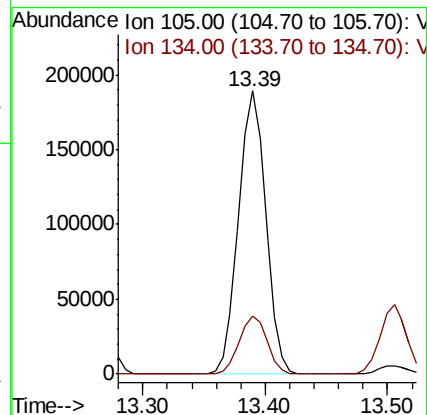
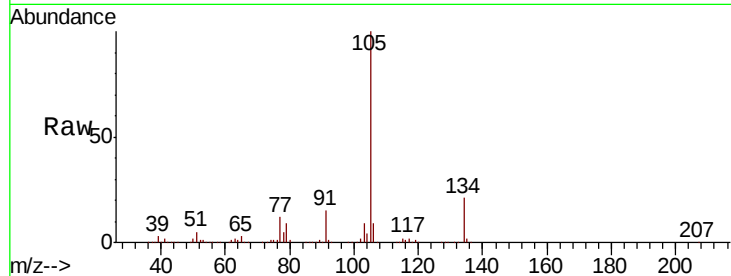
VW1016SBS02

Tot Ion:105 Resp: 291919

Ion Ratio Lower Upper

105 100

134 20.9 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.099 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

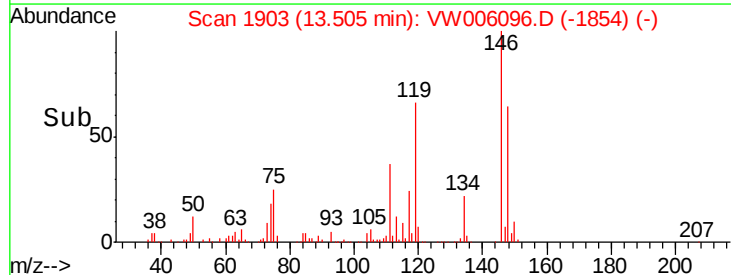
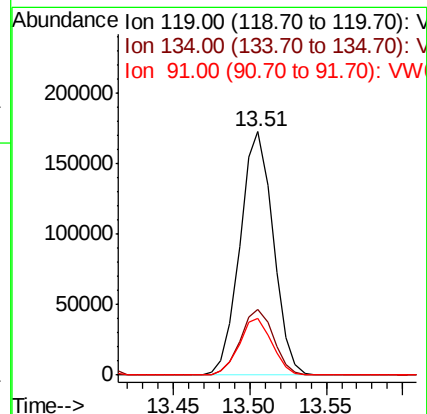
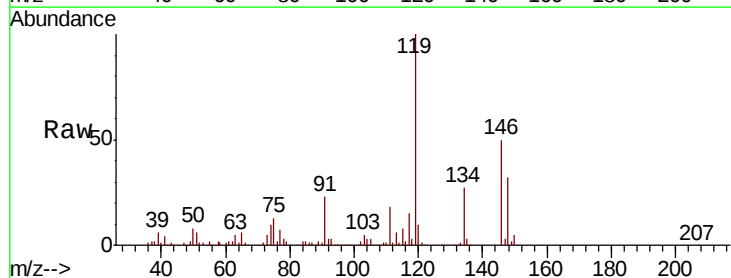
Tgt Ion:119 Resp: 259470

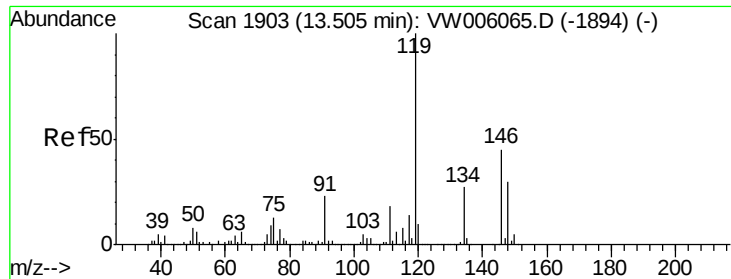
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 23.3 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.658 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

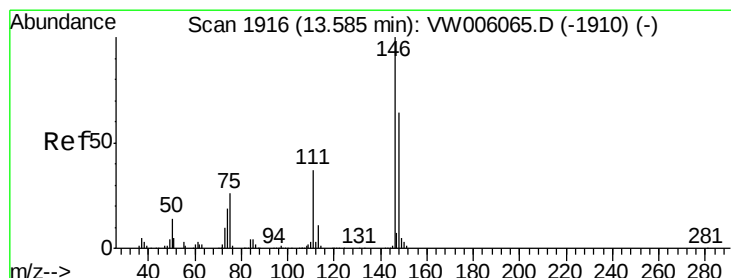
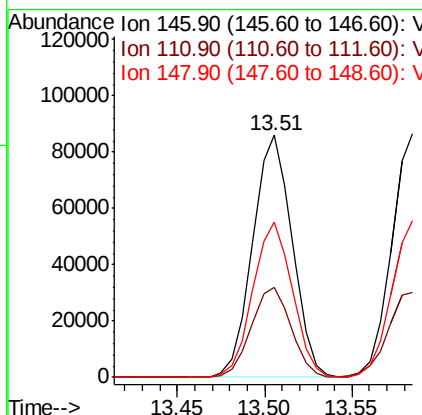
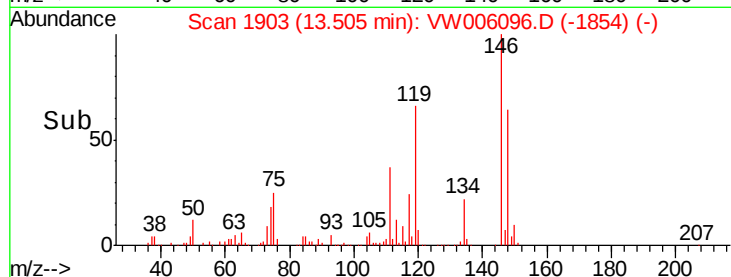
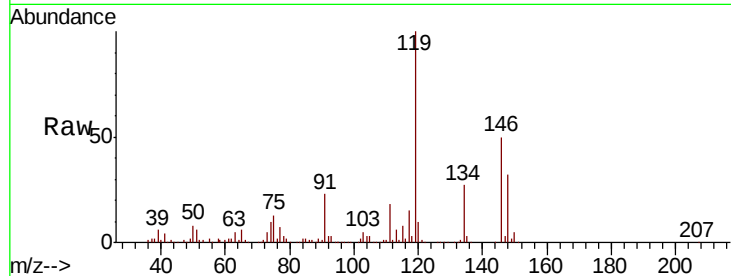
Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS02

Tot Ion:146 Resp: 134877

Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.5
148	64.1	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 20.901 ug/l

RT: 13.58 min Scan# 1916

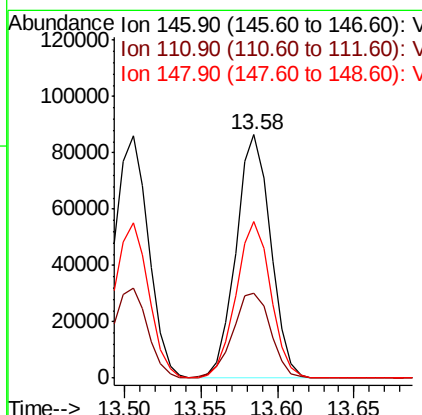
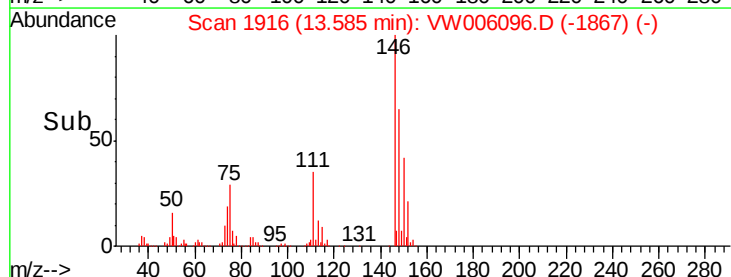
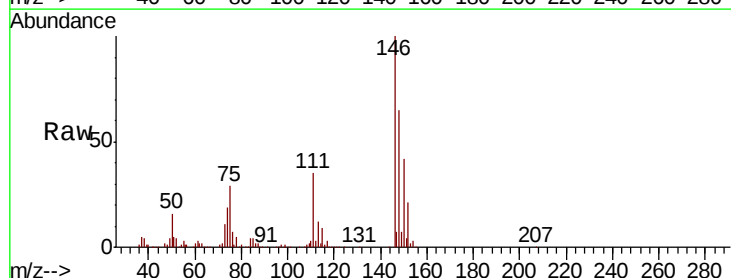
Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Tgt Ion:146 Resp: 135874

Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	56.0
148	64.4	32.1	96.5





#89

n-Butylbenzene

Concen: 20.053 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

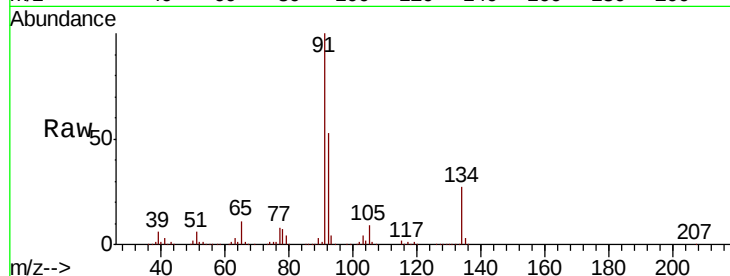
Tot Ion: 91 Resp: 236744

Ion Ratio Lower Upper

91 100

92 52.2 26.6 79.7

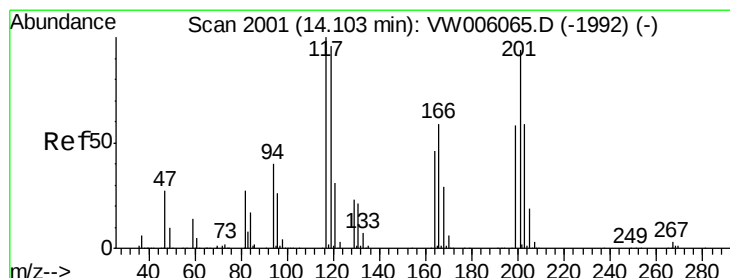
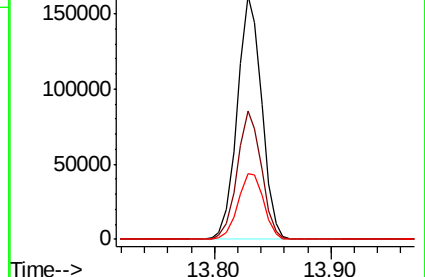
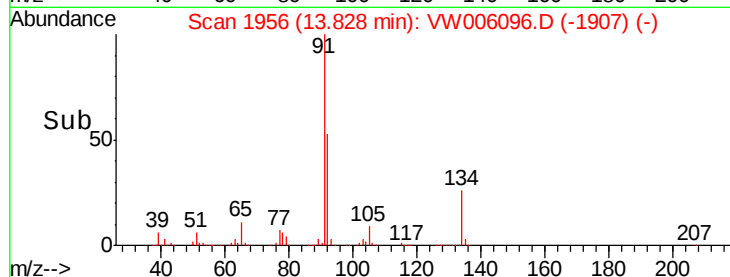
134 28.3 14.0 41.9



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: 19.523 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006096.D

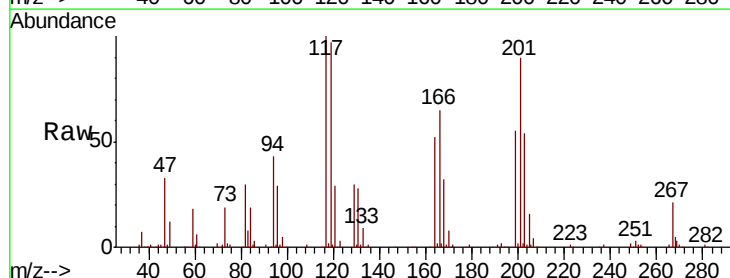
Acq: 17 Oct 2018 00:55

Tgt Ion: 117 Resp: 42690

Ion Ratio Lower Upper

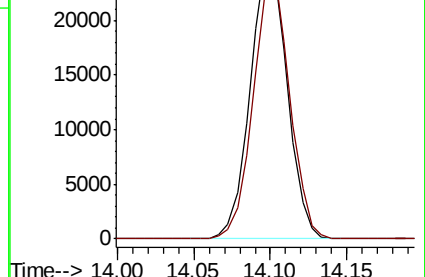
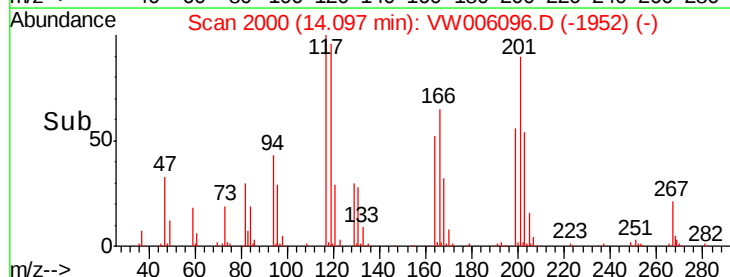
117 100

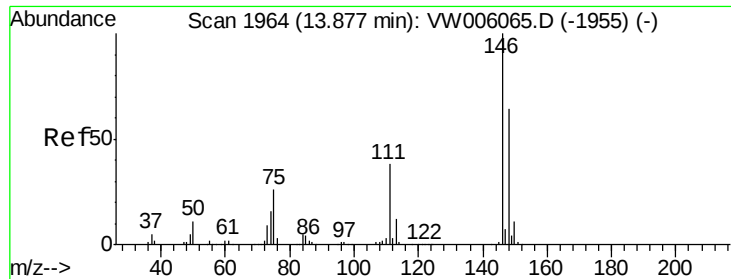
201 93.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

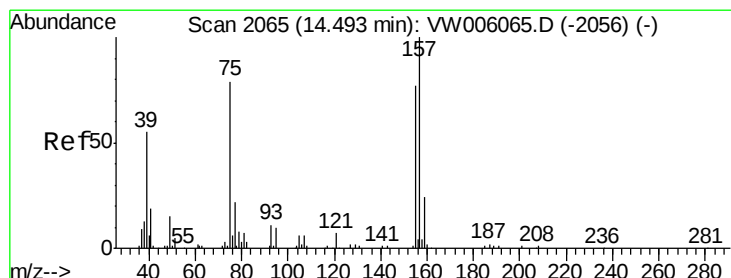
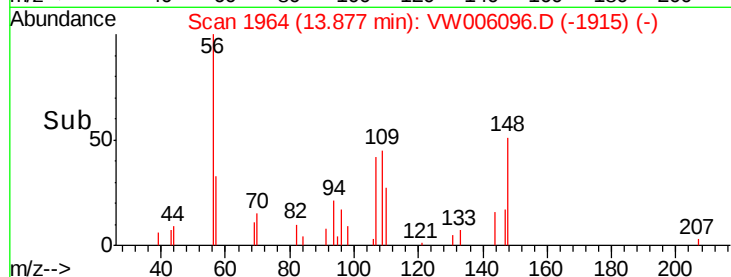
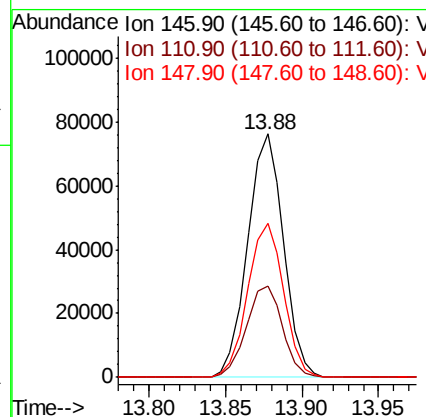
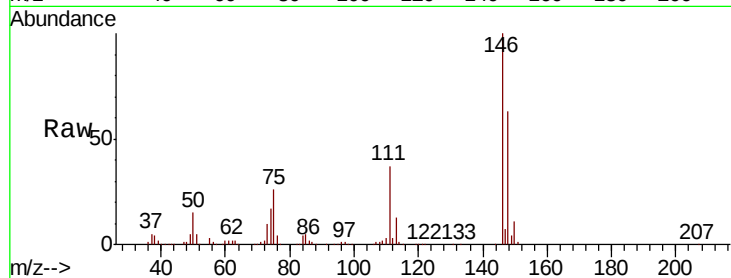




#91
 1,2-Dichlorobenzene
 Concen: 21.269 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

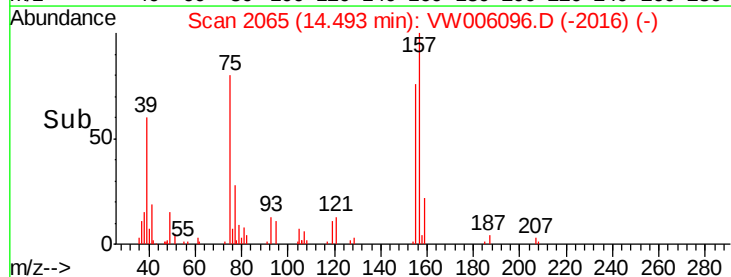
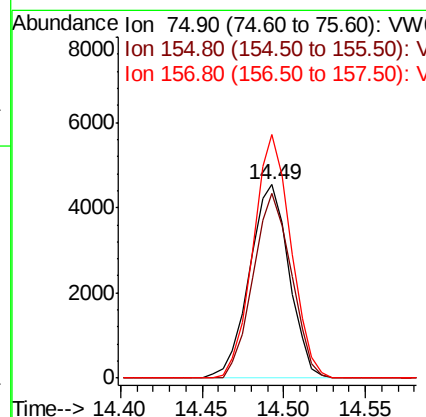
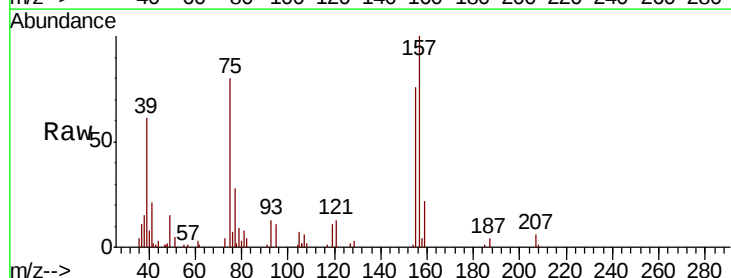
Instrument :
 MSVOA_W
 ClientSampleID :
 VW1016SBS02

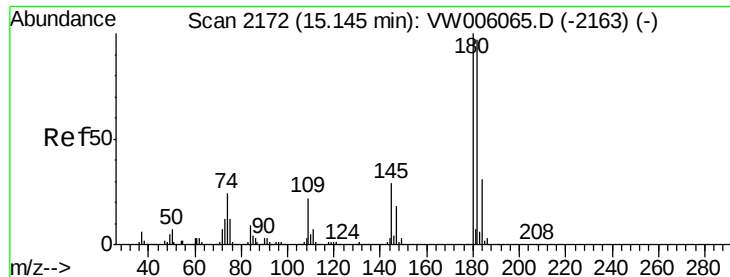
Tot Ion:146 Resp: 123872
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.6 58.7
 148 63.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.091 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion: 75 Resp: 7693
 Ion Ratio Lower Upper
 75 100
 155 91.9 46.5 139.5
 157 119.5 59.8 179.4

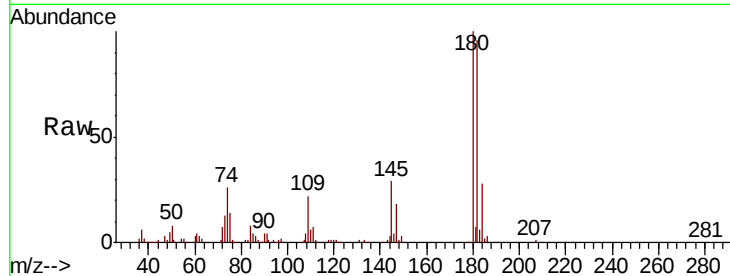




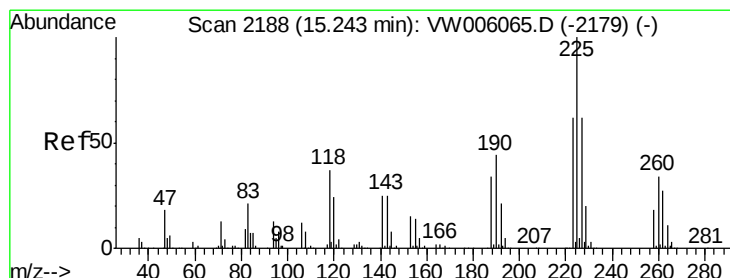
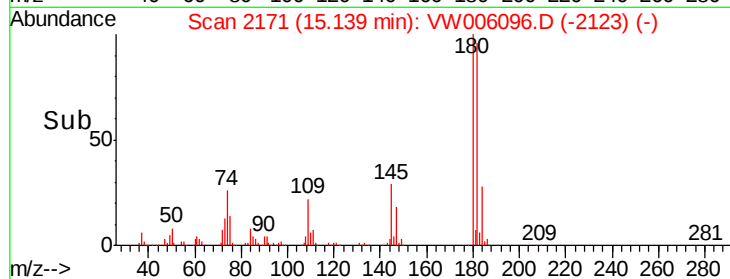
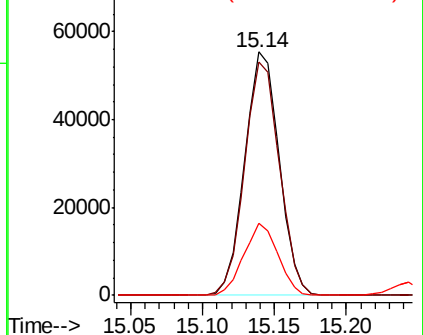
#93
 1,2,4-Trichlorobenzene
 Concen: 20.426 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS02

Tot Ion:180 Resp: 91533
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.9 143.6
 145 29.2 14.2 42.8

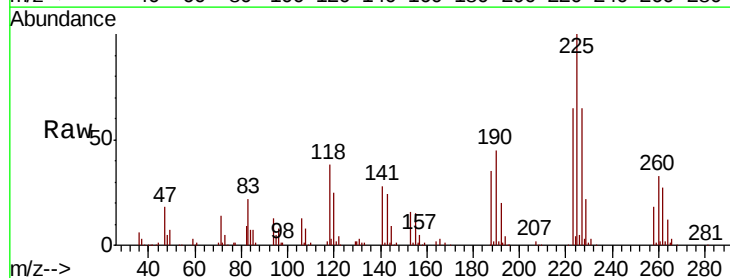


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

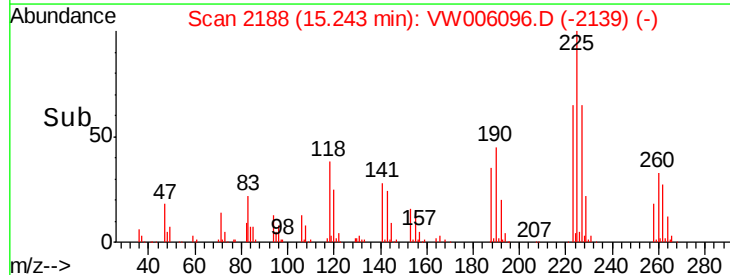
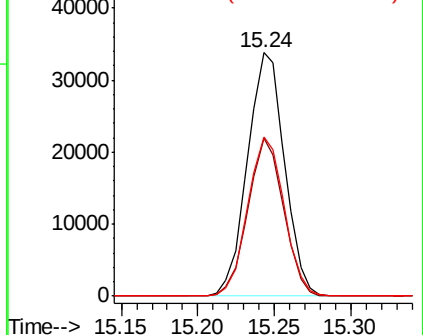


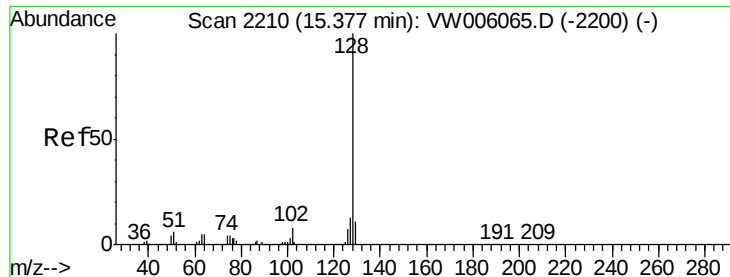
#94
 Hexachlorobutadiene
 Concen: 20.261 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006096.D
 Acq: 17 Oct 2018 00:55

Tgt Ion:225 Resp: 57036
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.1 93.5
 227 64.2 32.4 97.0



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: 21.561 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS02

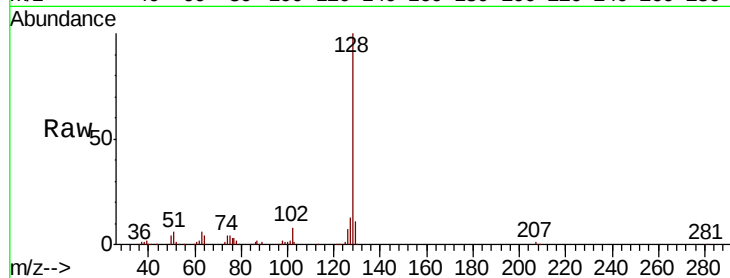
Tot Ion:128 Resp: 160724

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

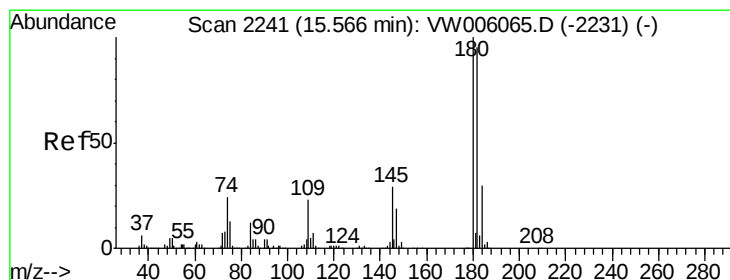
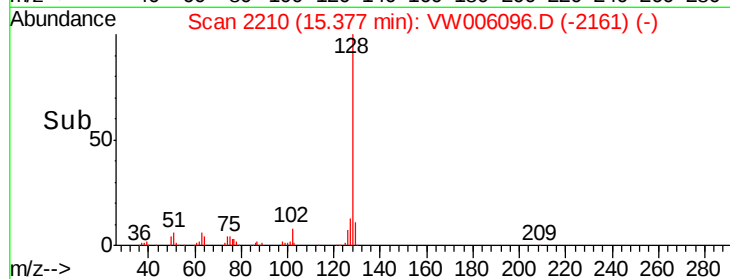
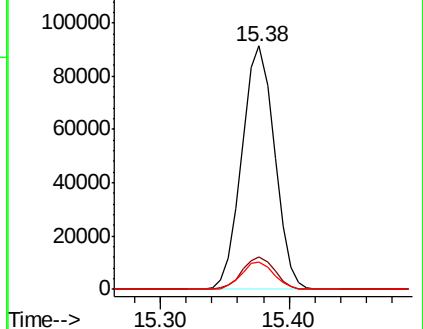
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.151 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006096.D

Acq: 17 Oct 2018 00:55

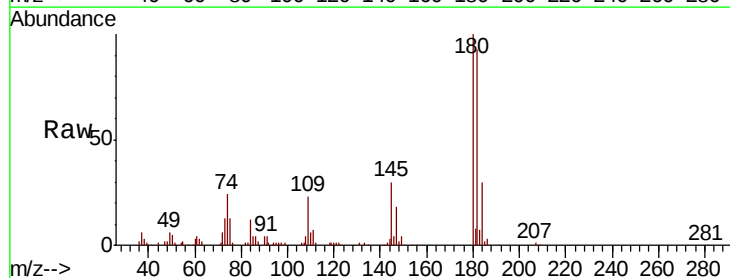
Tgt Ion:180 Resp: 81981

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.3

145 29.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

