

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006278.D
 Acq On : 23 Oct 2018 04:55
 Operator : VA/AP
 Sample : J5626-02MS
 Misc : 3.89G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Quant Time: Oct 23 05:37:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	139936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	214326	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	129508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	33779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	78005	67.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.48%	
35) Dibromofluoromethane	7.88	113	75002	59.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.44%	
50) Toluene-d8	10.33	98	197971	41.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.18%	
62) 4-Bromofluorobenzene	12.62	95	45042	24.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	45128	65.168	ug/l	99
3) Chloromethane	2.22	50	65092	73.023	ug/l	96
4) Vinyl Chloride	2.37	62	95059	74.674	ug/l	99
5) Bromomethane	2.79	94	82346	71.121	ug/l	99
6) Chloroethane	2.93	64	70145	76.891	ug/l	99
7) Trichlorofluoromethane	3.26	101	64415	54.319	ug/l	99
8) Diethyl Ether	3.68	74	48628	77.157	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61598	49.565	ug/l	98
10) Methyl Iodide	4.27	142	149038	72.052	ug/l	100
11) Tert butyl alcohol	5.24	59	27012	346.197	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	75265	64.372	ug/l	94
13) Acrolein	3.90	56	13778	182.491	ug/l	99
14) Allyl chloride	4.67	41	114451	68.460	ug/l	98
15) Acrylonitrile	5.38	53	91091	402.963	ug/l	99
16) Acetone	4.15	43	93653	441.638	ug/l	99
17) Carbon Disulfide	4.38	76	187018	52.999	ug/l	100
18) Methyl Acetate	4.68	43	129614	222.004	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	146847	82.460	ug/l	98
20) Methylene Chloride	4.92	84	101765	84.007	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	86974	66.643	ug/l	99
22) Diisopropyl ether	6.32	45	255007	77.188	ug/l	96
23) Vinyl Acetate	6.26	43	169439	86.906	ug/l	98
24) 1,1-Dichloroethane	6.22	63	151239	70.946	ug/l	99
25) 2-Butanone	7.18	43	124491	397.212	ug/l	98
26) 2,2-Dichloropropane	7.17	77	78400	52.145	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	97498	67.698	ug/l	98
28) Bromochloromethane	7.51	49	63388	77.022	ug/l	96
29) Tetrahydrofuran	7.54	42	76075	394.893	ug/l	99
30) Chloroform	7.68	83	155182	66.815	ug/l	96
31) Cyclohexane	7.96	56	66131	31.151	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	118497	56.560	ug/l	99
36) 1,1-Dichloropropene	8.09	75	91967	46.554	ug/l	100
37) Ethyl Acetate	7.26	43	35206	47.967	ug/l	99
38) Carbon Tetrachloride	8.07	117	96124	44.386	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	52396	19.953	ug/l	98
40) Benzene	8.33	78	317653	58.619	ug/l	98
41) Methacrylonitrile	7.49	41	28457	64.315	ug/l	88
42) 1,2-Dichloroethane	8.40	62	107690	67.641	ug/l	99
43) Isopropyl Acetate	8.43	43	67759	45.151	ug/l	93
44) Trichloroethene	9.10	130	78159	47.013	ug/l	99
45) 1,2-Dichloropropane	9.37	63	75793	58.450	ug/l	98
46) Dibromomethane	9.46	93	46587	63.036	ug/l	99
47) Bromodichloromethane	9.65	83	96238	53.710	ug/l	99
48) Methyl methacrylate	9.44	41	57162	80.357	ug/l	100
49) 1,4-Dioxane	9.48	88	17034	1497.153	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	256053	340.537	ug/l	99
52) Toluene	10.39	92	157956	43.479	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	87889	49.231	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	107669	52.550	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	58608	56.668	ug/l	98
56) Ethyl methacrylate	10.65	69	69712	54.982	ug/l	97
57) 1,3-Dichloropropane	10.94	76	96989	56.650	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	147977	305.439	ug/l	99
59) 2-Hexanone	10.98	43	174429	324.979	ug/l	99
60) Dibromochloromethane	11.13	129	59259	46.000	ug/l	99
61) 1,2-Dibromoethane	11.24	107	56035	54.224	ug/l	98
64) Tetrachloroethene	10.87	164	54715	54.422	ug/l	97
65) Chlorobenzene	11.66	112	147836	53.324	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	60210	61.111	ug/l	99
67) Ethyl Benzene	11.74	91	216740	45.111	ug/l	100
68) m/p-Xylenes	11.85	106	163441	86.065	ug/l	99
69) o-Xylene	12.17	106	80298	44.367	ug/l	98
70) Styrene	12.19	104	132274	44.944	ug/l	99
71) Bromoform	12.35	173	31635	57.566	ug/l #	99
73) Isopropylbenzene	12.47	105	169592	71.067	ug/l	100
74) N-amyl acetate	12.28	43	37545	81.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	50126	138.104	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65122	252.406	ug/l #	100
77) Bromobenzene	12.75	156	51754	88.544	ug/l	92
78) n-propylbenzene	12.81	91	162386	58.489	ug/l	100
79) 2-Chlorotoluene	12.90	91	101496	65.065	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	114928	57.128	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13985	129.570	ug/l	93
82) 4-Chlorotoluene	12.99	91	104825	64.150	ug/l	99
83) tert-Butylbenzene	13.21	119	95842	53.248	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	111794	54.916	ug/l	99
85) sec-Butylbenzene	13.39	105	112649	44.301	ug/l	100
86) p-Isopropyltoluene	13.51	119	95667	41.594	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	60887	52.342	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	61029	52.692	ug/l	99
89) n-Butylbenzene	13.83	91	69125	32.863	ug/l	98
90) Hexachloroethane	14.10	117	14351	36.837	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	57057	54.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6522	100.363	ug/l	96

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Response via : Initial Calibration

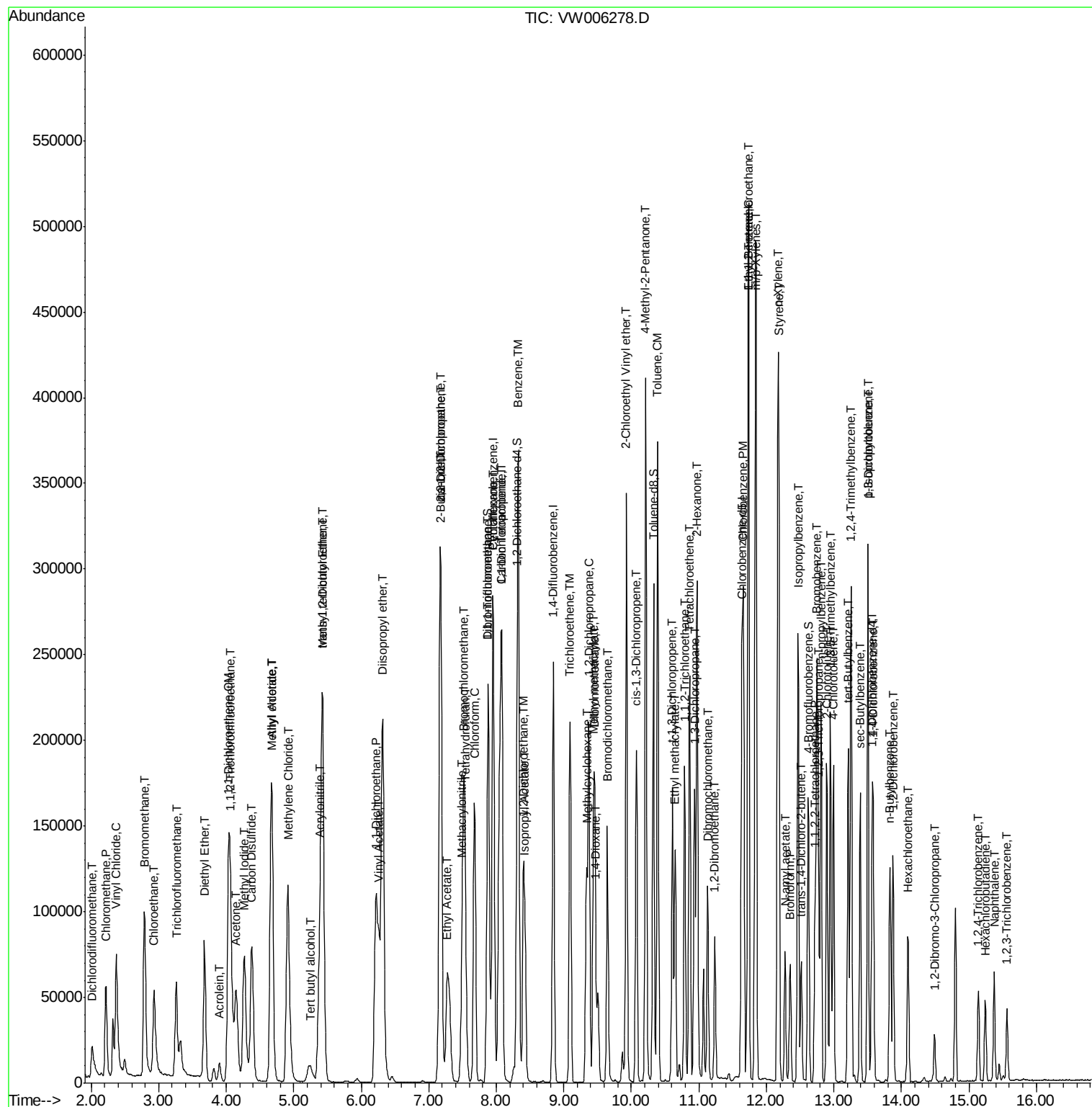
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	18058	22.618	ug/l	99
94) Hexachlorobutadiene	15.24	225	9675	19.291	ug/l	98
95) Naphthalene	15.38	128	57248	43.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	15619	22.618	ug/l	99

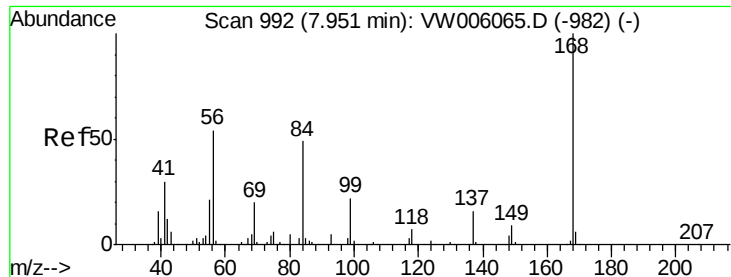
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

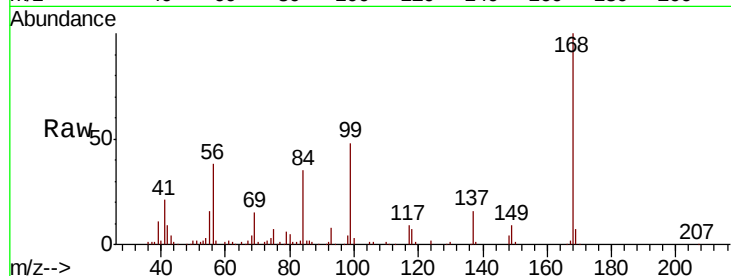
PA-SB-01BMS

Tot Ion:168 Resp: 139936

Ion Ratio Lower Upper

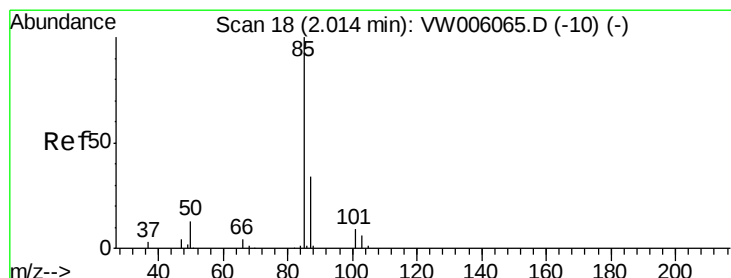
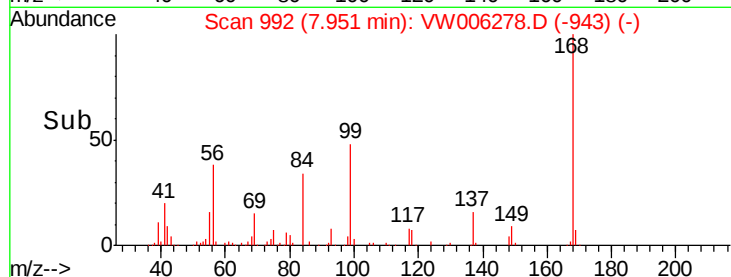
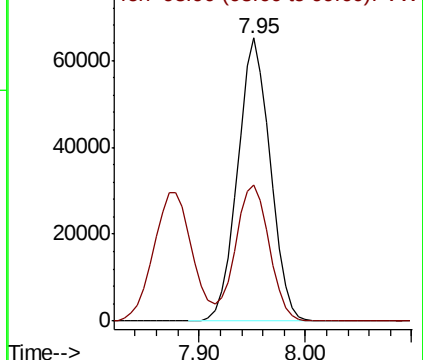
168 100

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



#2

Dichlorodifluoromethane

Concen: 65.168 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006278.D

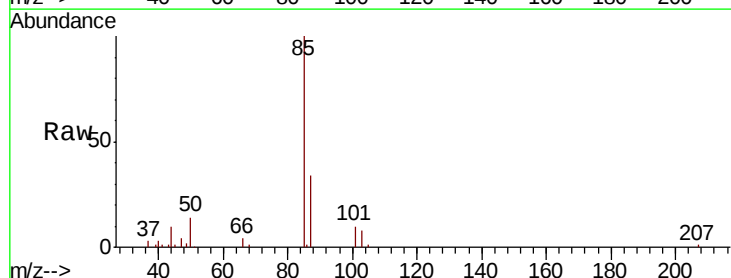
Acq: 23 Oct 2018 04:55

Tgt Ion: 85 Resp: 45128

Ion Ratio Lower Upper

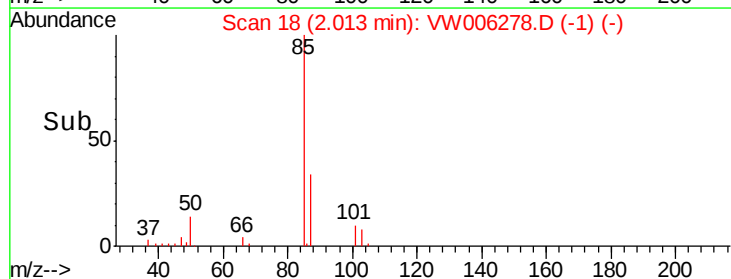
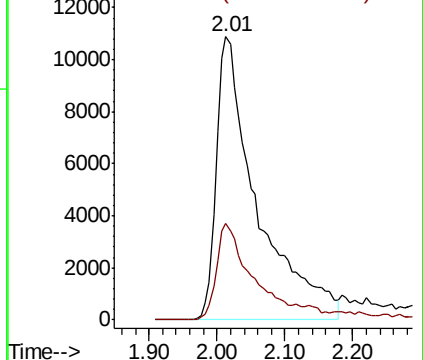
85 100

87 34.0 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 73.023 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

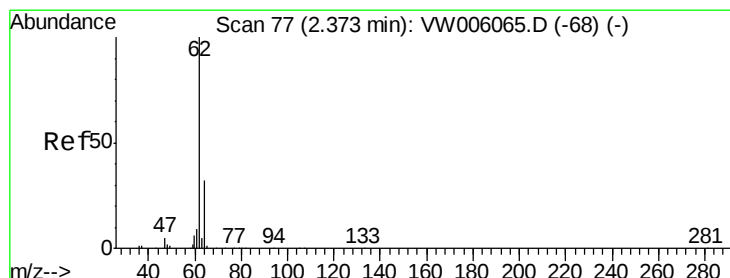
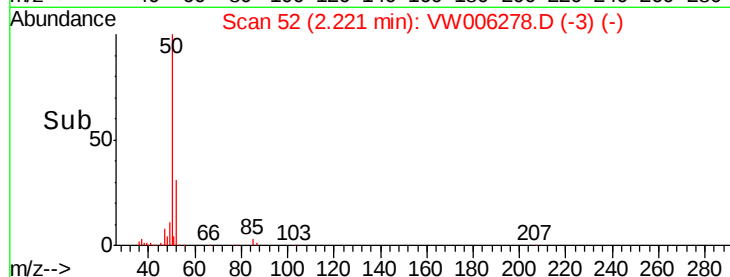
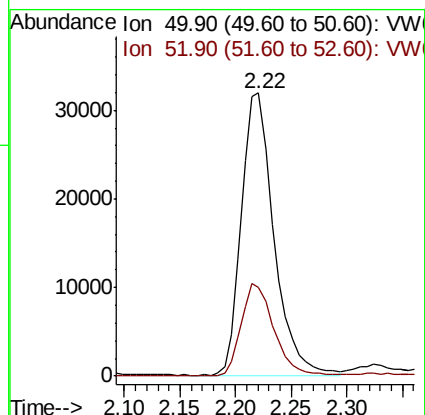
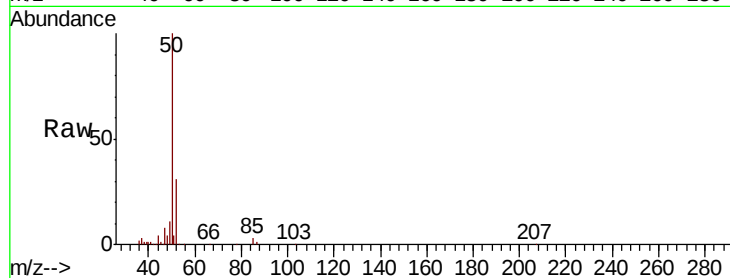
PA-SB-01BMS

Tot Ion: 50 Resp: 65092

Ion Ratio Lower Upper

50 100

52 31.5 26.8 40.2



#4

Vinyl Chloride

Concen: 74.674 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006278.D

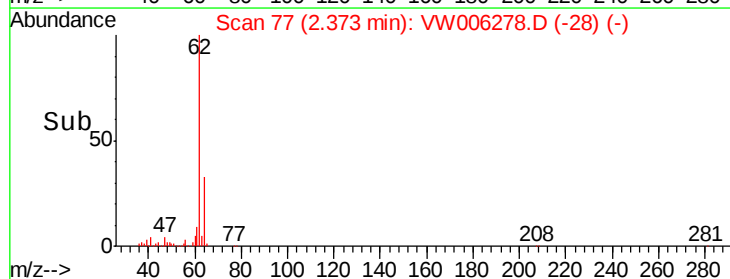
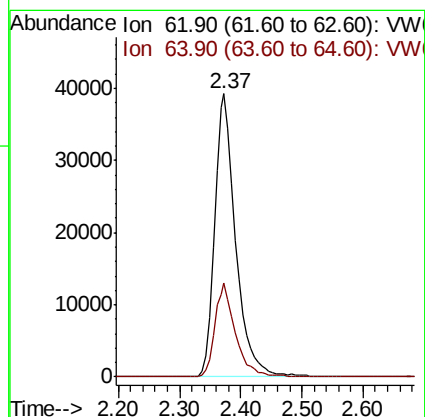
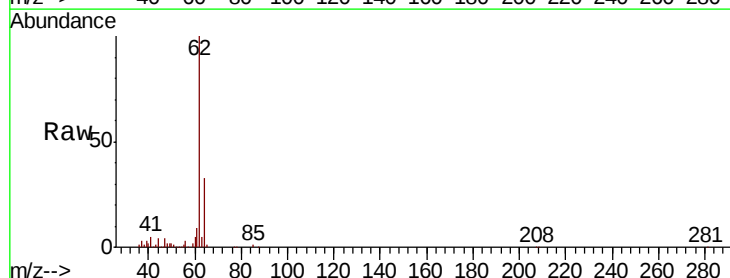
Acq: 23 Oct 2018 04:55

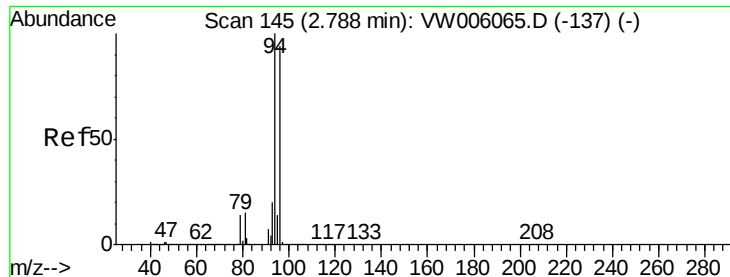
Tgt Ion: 62 Resp: 95059

Ion Ratio Lower Upper

62 100

64 33.2 25.9 38.9





#5

Bromomethane

Concen: 71.121 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

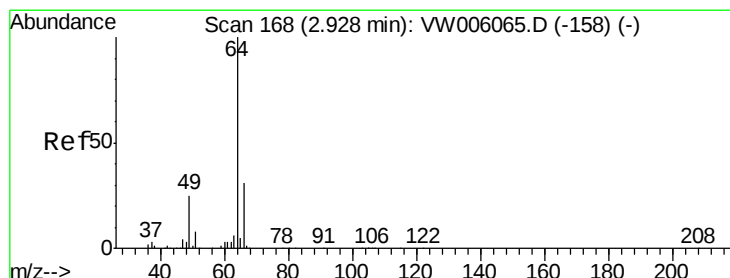
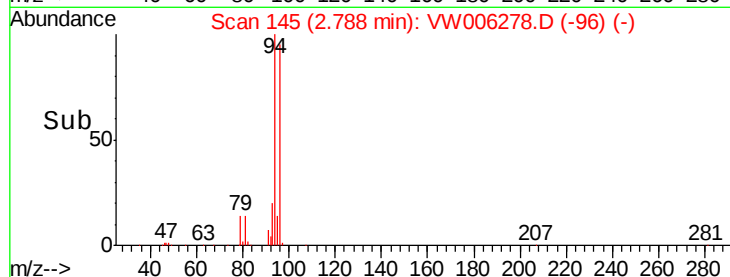
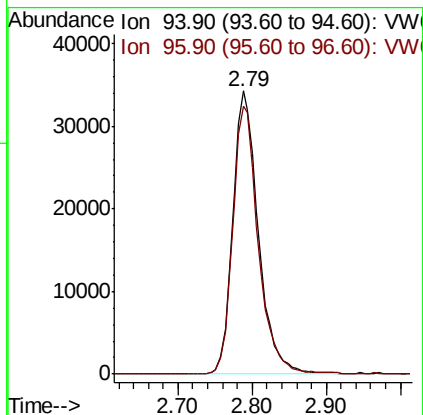
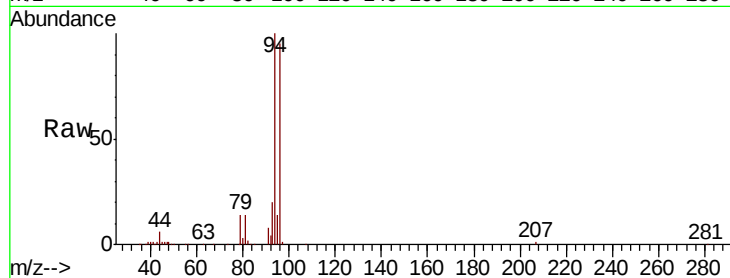
PA-SB-01BMS

Tot Ion: 94 Resp: 82346

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3



#6

Chloroethane

Concen: 76.891 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006278.D

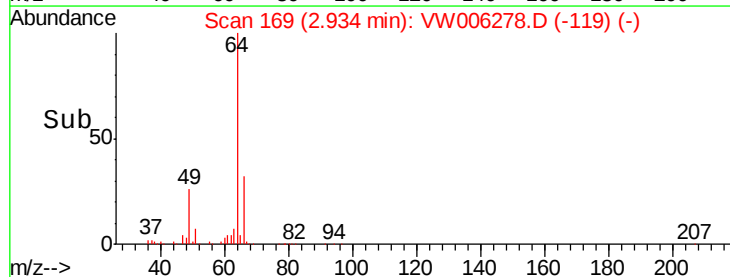
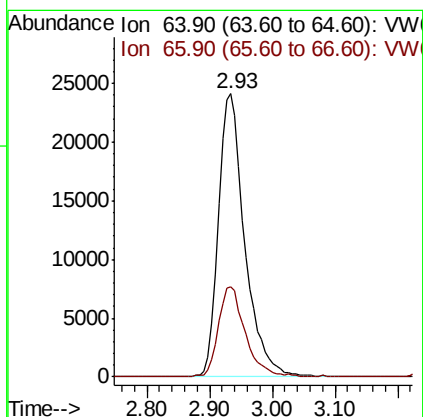
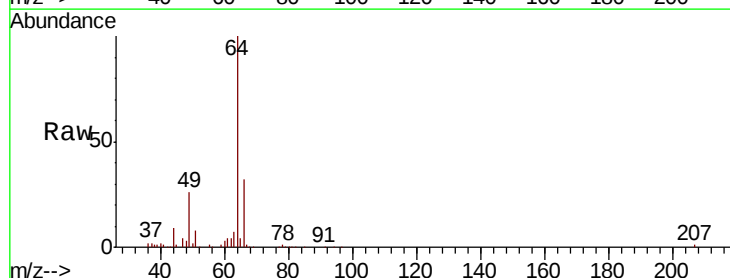
Acq: 23 Oct 2018 04:55

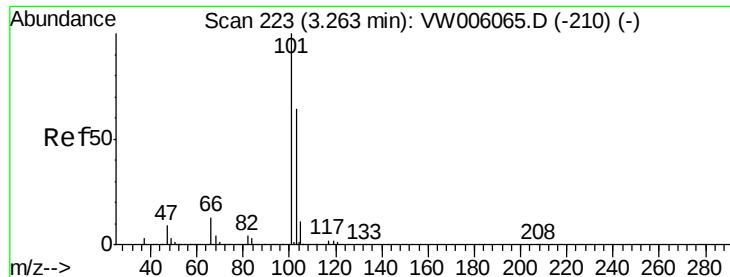
Tgt Ion: 64 Resp: 70145

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3



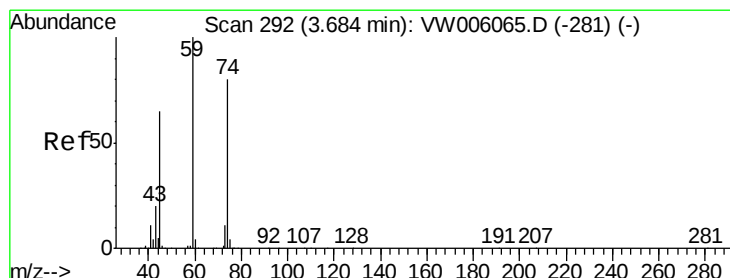
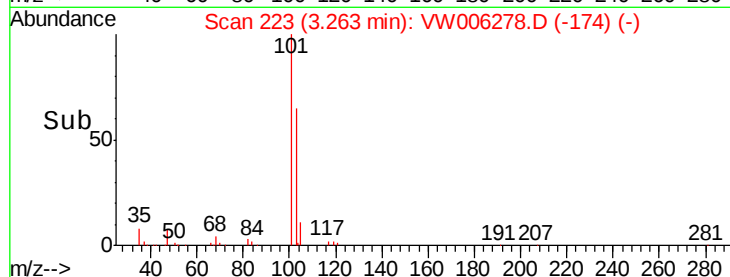
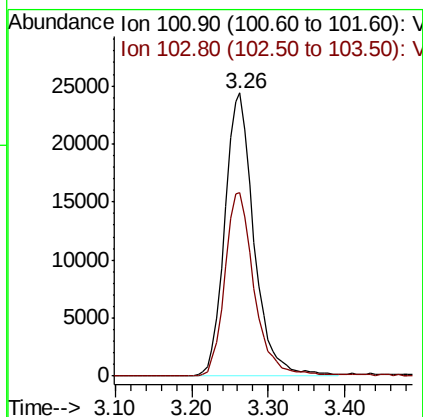
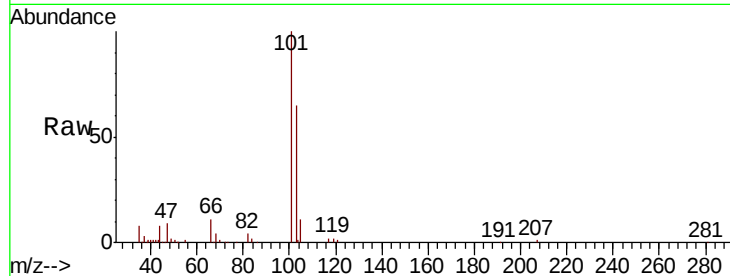


#7

Trichlorofluoromethane
 Concen: 54.319 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006278.D
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Instrument :
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 PA-SB-01BMS

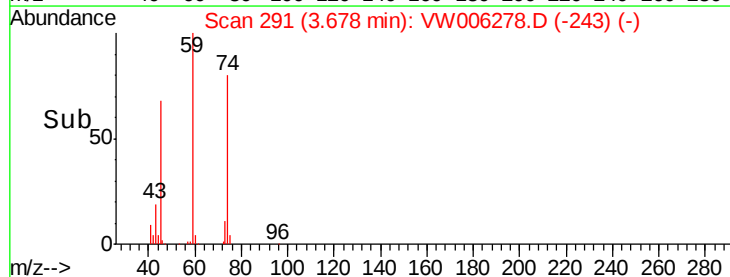
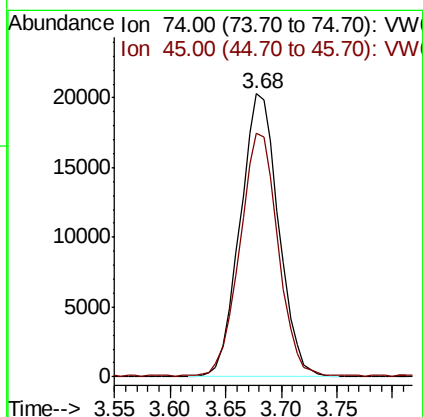
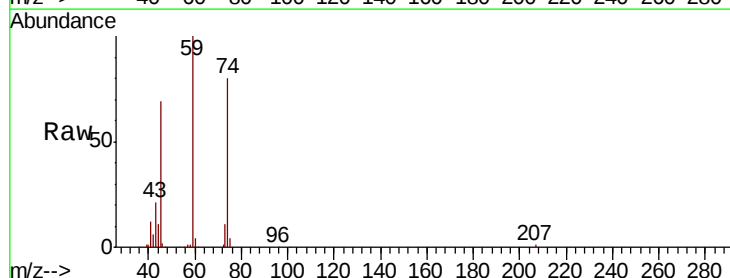
Tot Ion:101 Resp: 64415
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.2 76.8



#8

Diethyl Ether
 Concen: 77.157 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion: 74 Resp: 48628
 Ion Ratio Lower Upper
 74 100
 45 85.2 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.565 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

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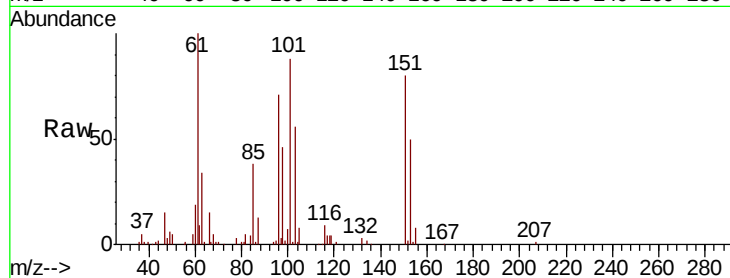
Tot Ion:101 Resp: 61598

Ion Ratio Lower Upper

101 100

85 41.5 34.9 52.3

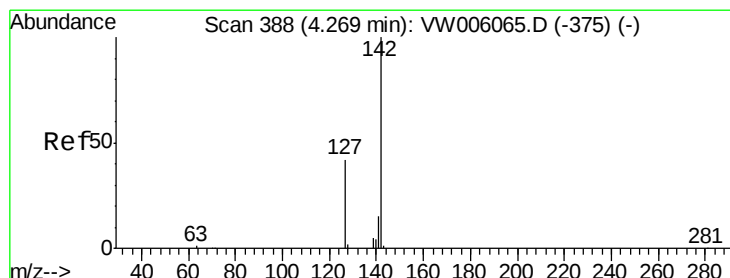
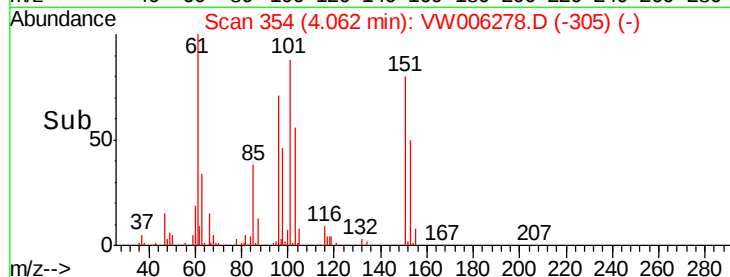
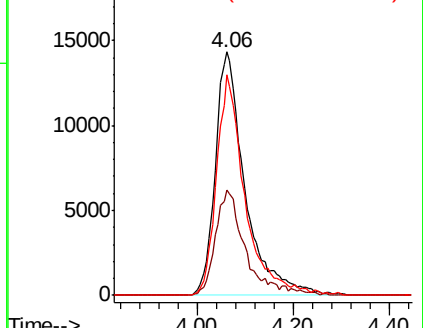
151 86.2 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 72.052 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

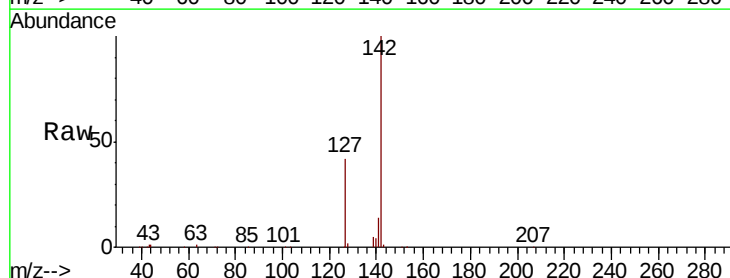
Tgt Ion:142 Resp: 149038

Ion Ratio Lower Upper

142 100

127 42.1 33.6 50.4

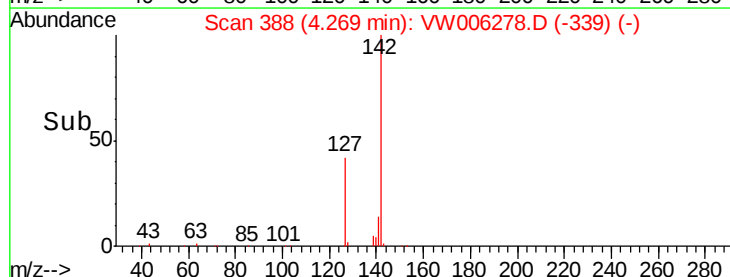
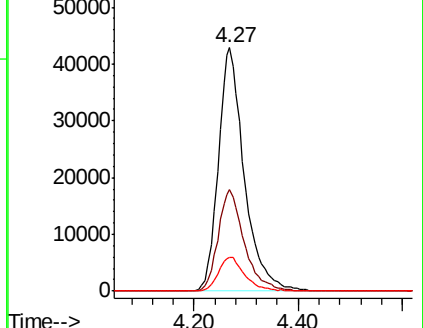
141 14.3 11.6 17.4

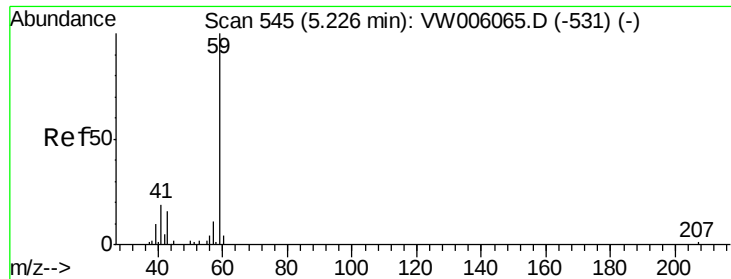


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



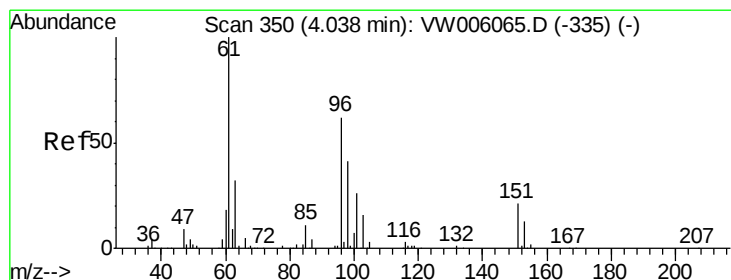
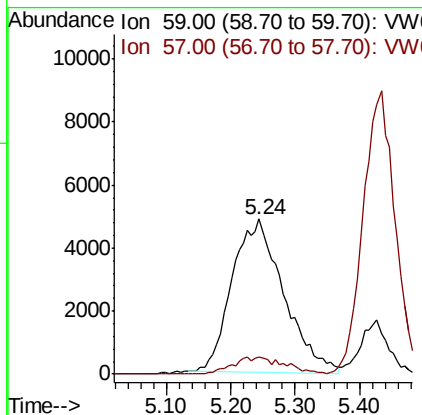
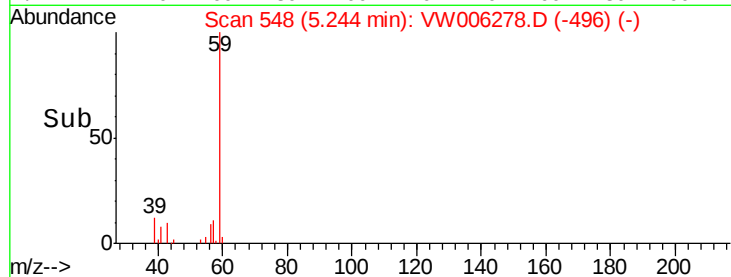
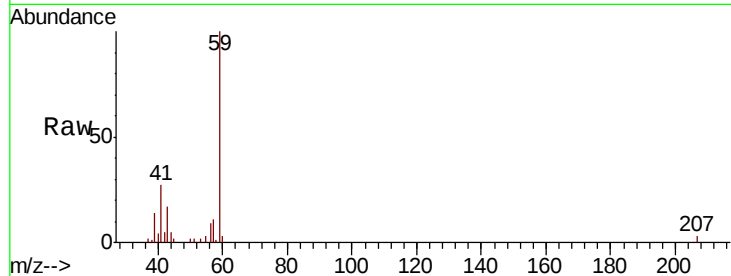


#11

Tert butyl alcohol
Concen: 346.197 ug/l
RT: 5.24 min Scan# 548
Delta R.T. 0.02 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

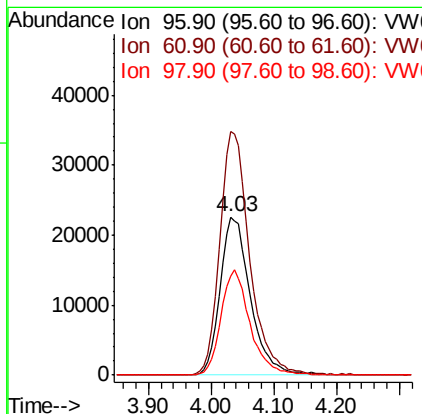
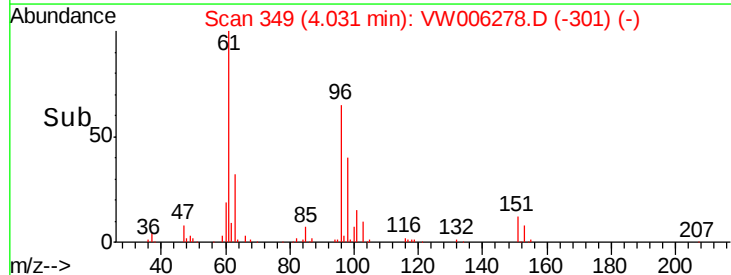
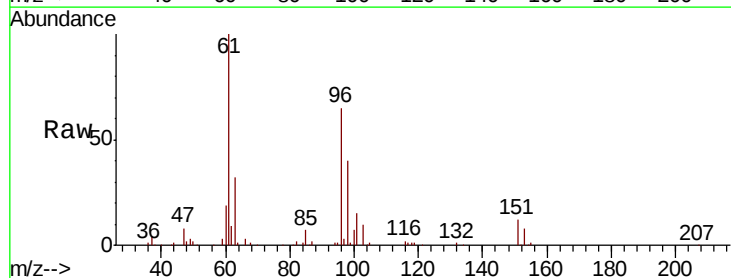
Tot Ion: 59 Resp: 27012
Ion Ratio Lower Upper
59 100
57 4.6 8.7 13.1#

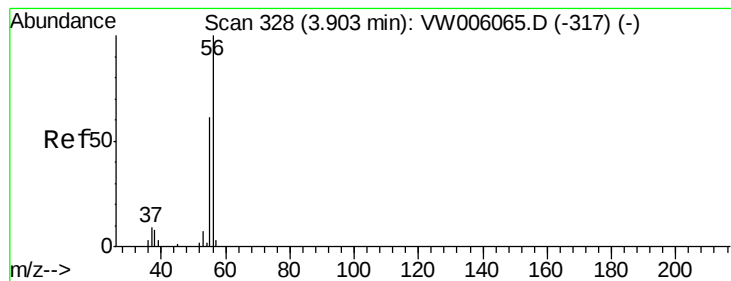


#12

1,1-Dichloroethene
Concen: 64.372 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 96 Resp: 75265
Ion Ratio Lower Upper
96 100
61 154.1 129.3 193.9
98 62.3 53.1 79.7





#13

Acrolein

Concen: 182.491 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

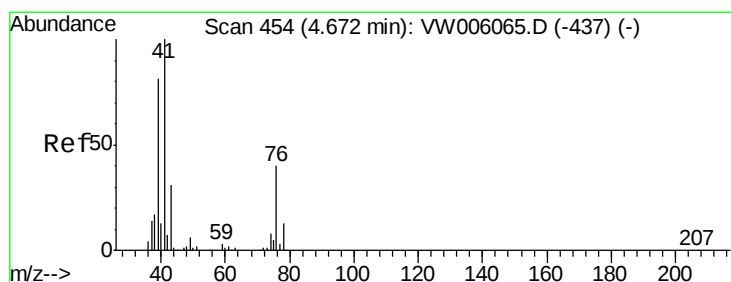
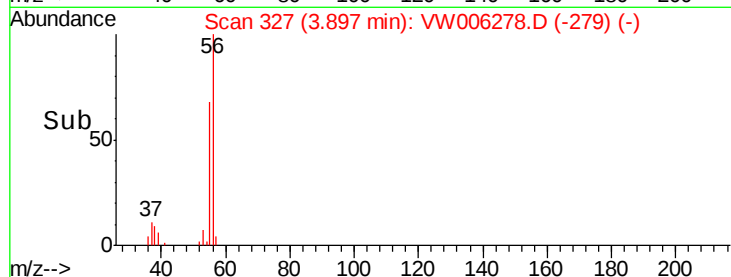
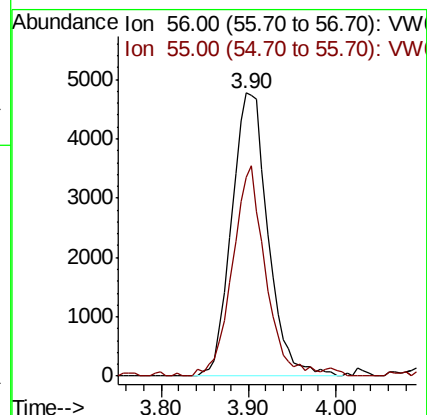
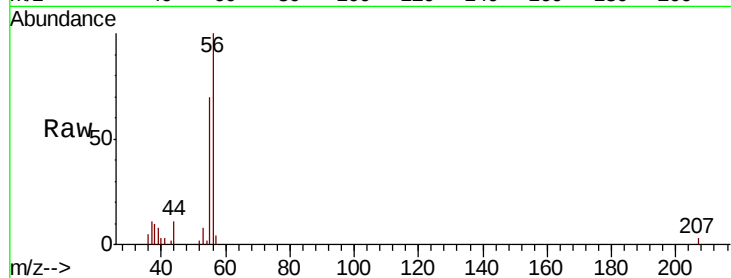
PA-SB-01BMS

Tot Ion: 56 Resp: 13778

Ion Ratio Lower Upper

56 100

55 67.7 54.5 81.7



#14

Allyl chloride

Concen: 68.460 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

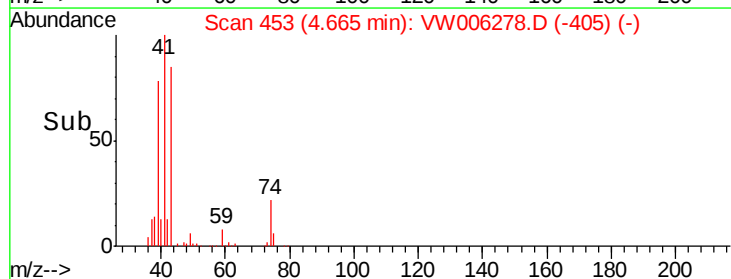
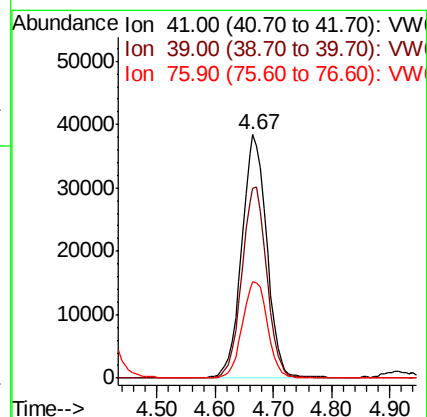
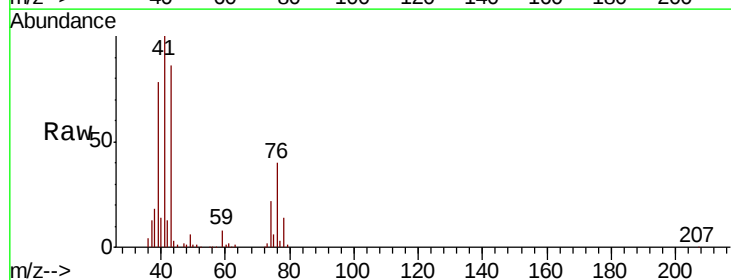
Tgt Ion: 41 Resp: 114451

Ion Ratio Lower Upper

41 100

39 78.0 64.1 96.1

76 39.7 32.2 48.4





#15

Acrylonitrile

Concen: 402.963 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

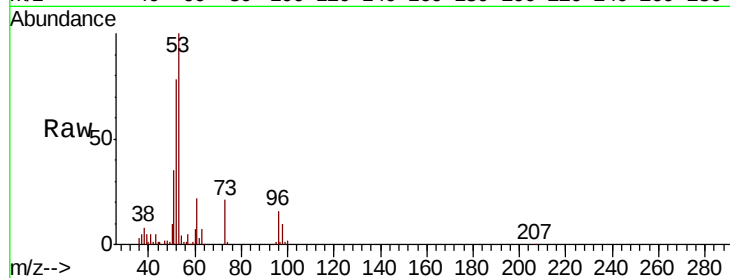
Tot Ion: 53 Resp: 91091

Ion Ratio Lower Upper

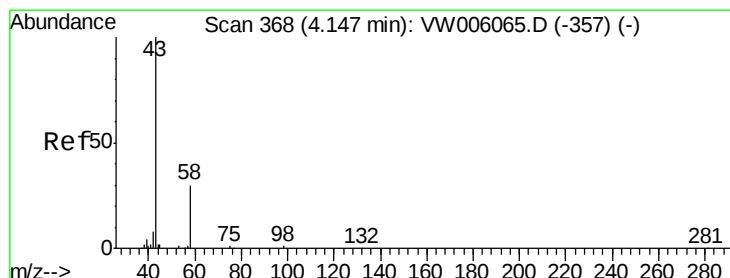
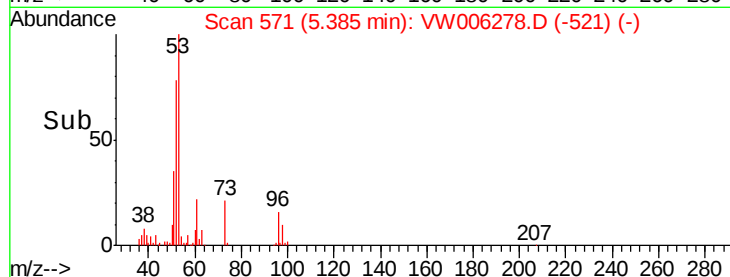
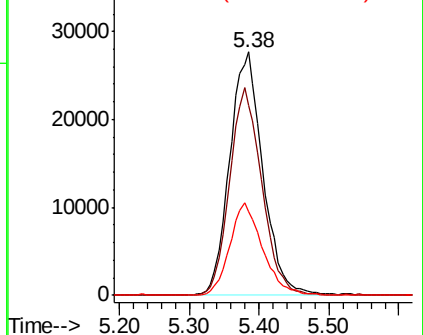
53 100

52 82.8 66.9 100.3

51 37.6 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: 441.638 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006278.D

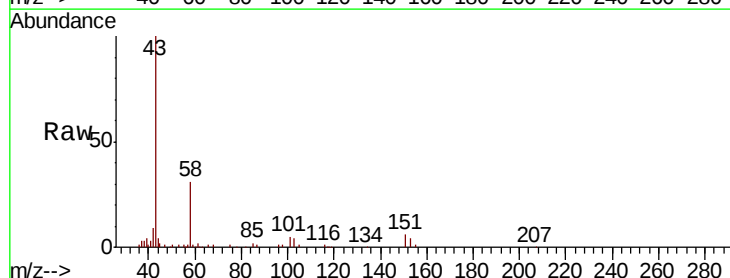
Acq: 23 Oct 2018 04:55

Tgt Ion: 43 Resp: 93653

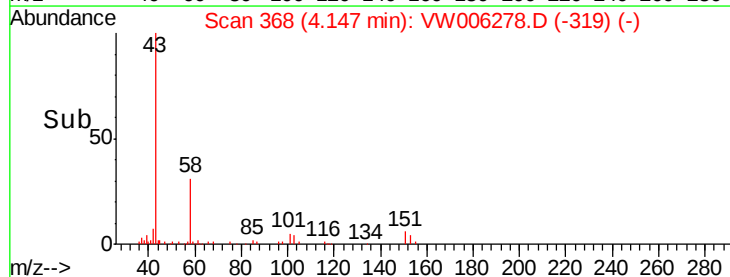
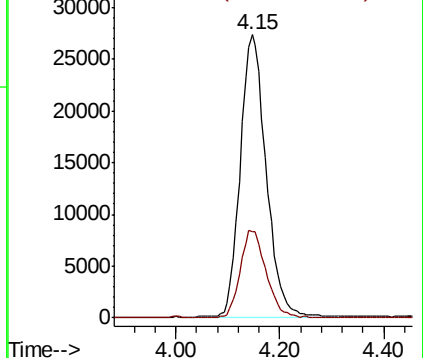
Ion Ratio Lower Upper

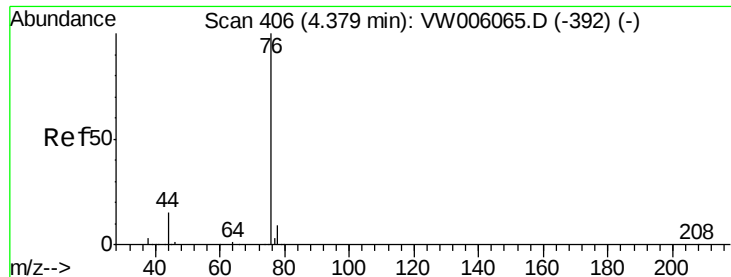
43 100

58 30.6 24.0 36.0



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

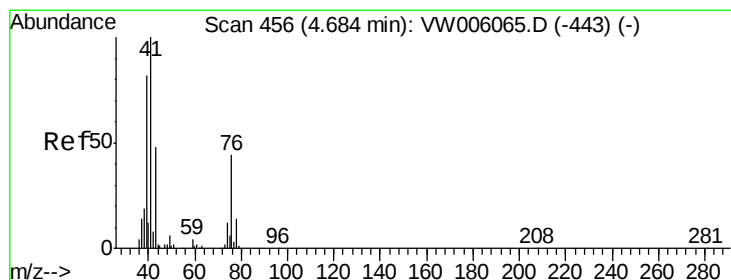
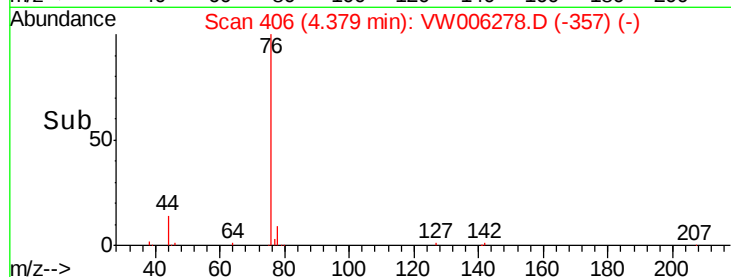
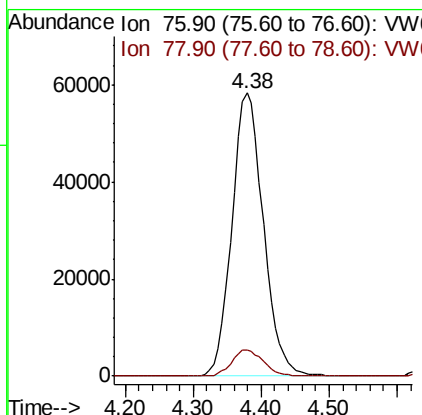
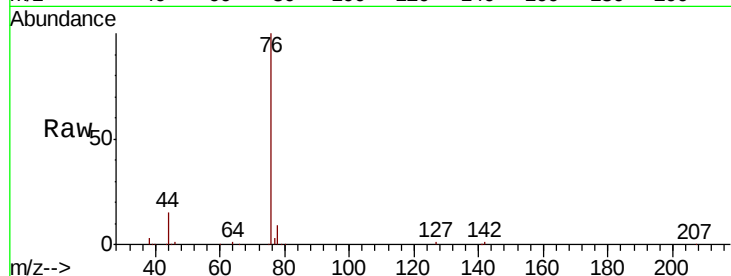




#17
Carbon Disulfide
Concen: 52.999 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

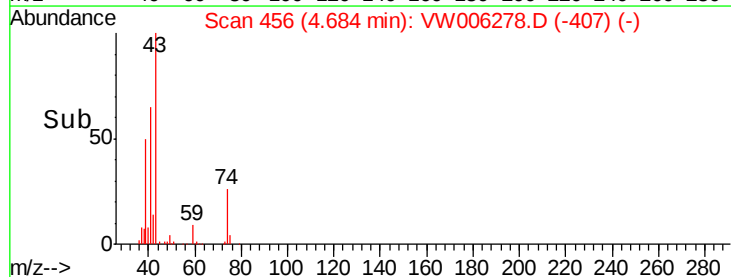
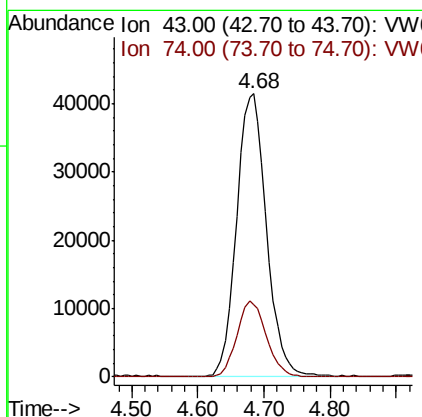
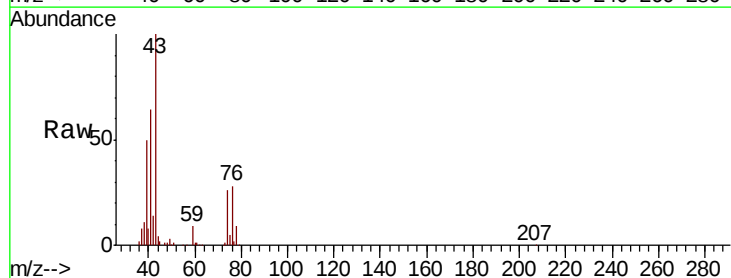
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

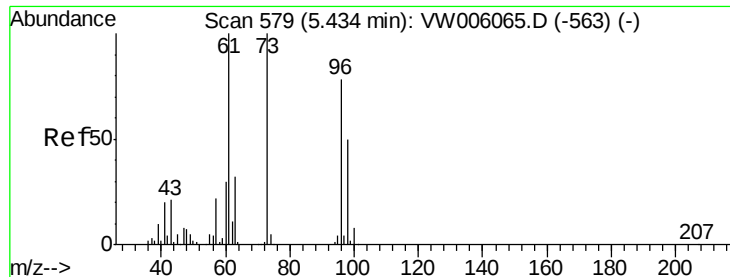
Tot Ion: 76 Resp: 187018
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 222.004 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 43 Resp: 129614
Ion Ratio Lower Upper
43 100
74 26.3 20.5 30.7

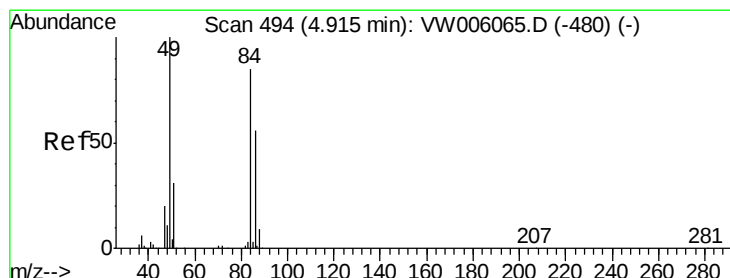
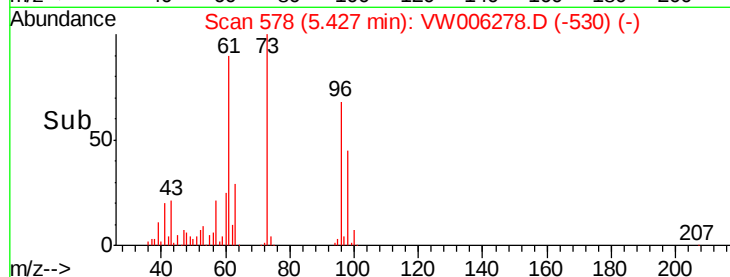
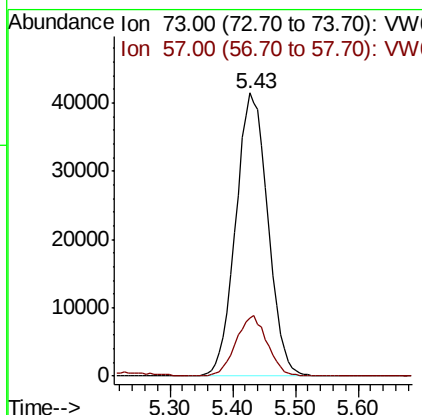
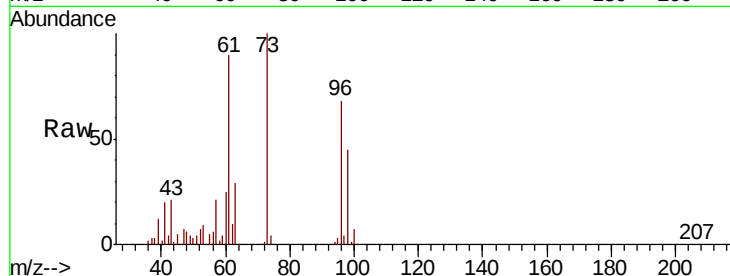




#19
Methvl tert-butvl Ether
Concen: 82.460 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

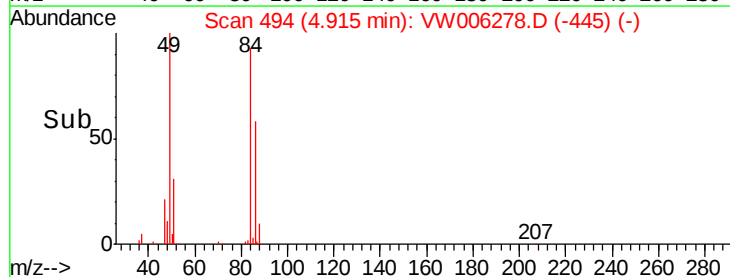
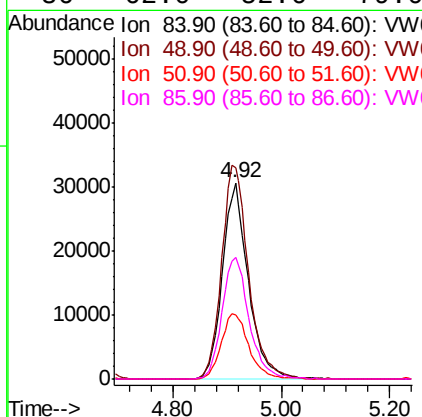
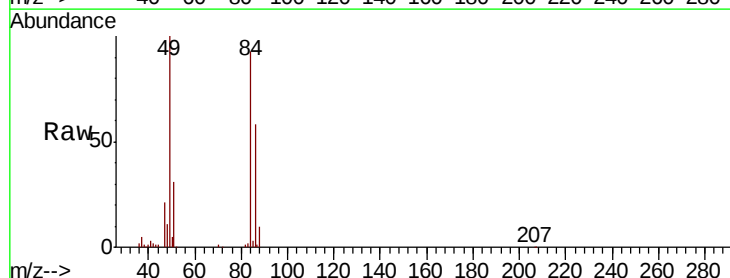
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

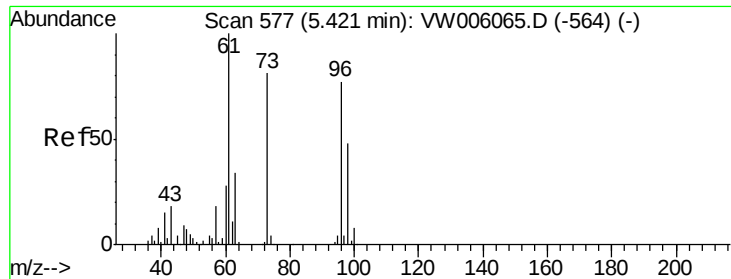
Tot Ion: 73 Resp: 146847
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.2



#20
Methylene Chloride
Concen: 84.007 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 84 Resp: 101765
Ion Ratio Lower Upper
84 100
49 107.4 93.6 140.4
51 32.9 29.0 43.4
86 62.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 66.643 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

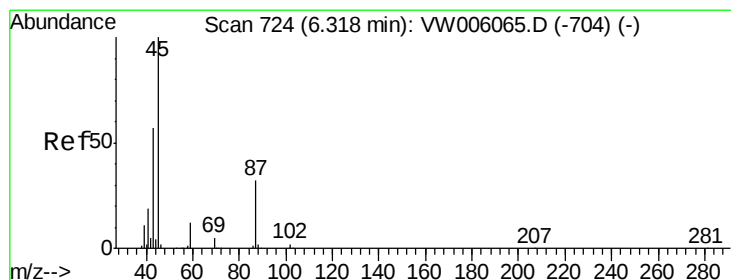
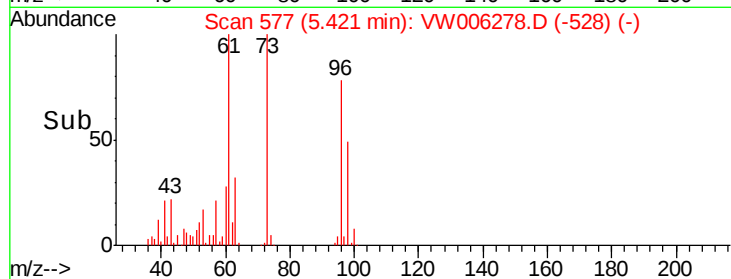
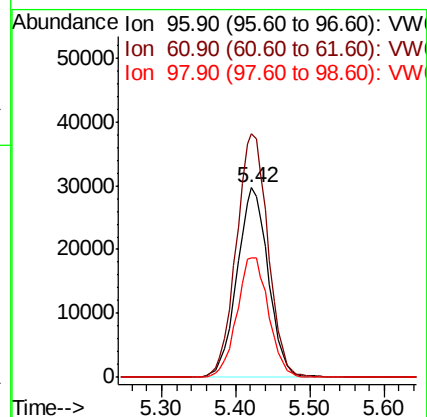
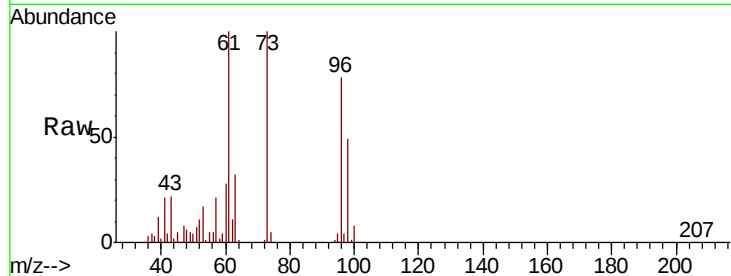
Tot Ion: 96 Resp: 86974

Ion Ratio Lower Upper

96 100

61 128.5 104.5 156.7

98 63.0 50.6 75.8



#22

Diisopropyl ether

Concen: 77.188 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion: 45 Resp: 255007

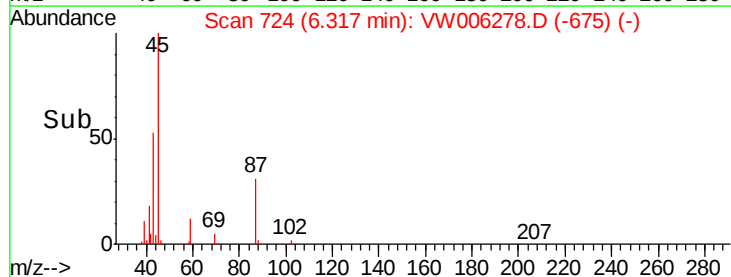
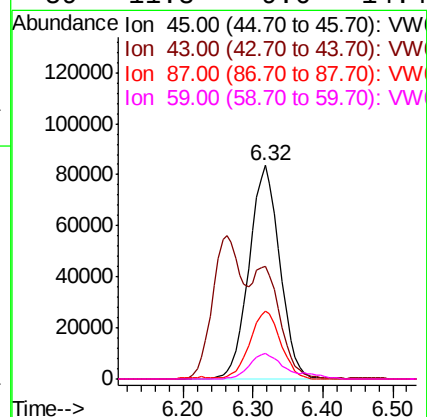
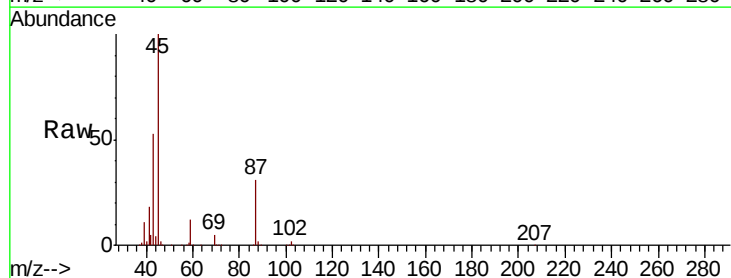
Ion Ratio Lower Upper

45 100

43 52.4 45.7 68.5

87 31.5 25.9 38.9

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 86.906 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

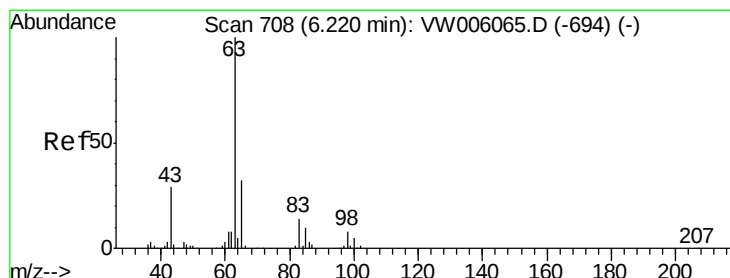
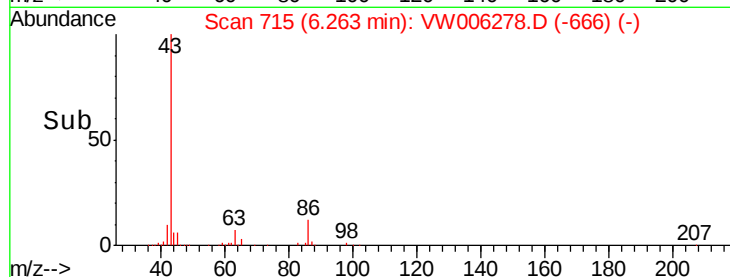
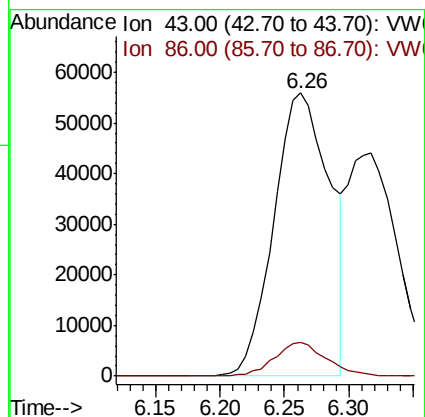
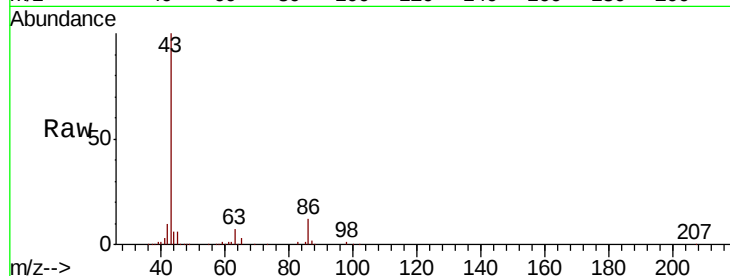
PA-SB-01BMS

Tot Ion: 43 Resp: 169439

Ion Ratio Lower Upper

43 100

86 11.9 9.0 13.6



#24

1,1-Dichloroethane

Concen: 70.946 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

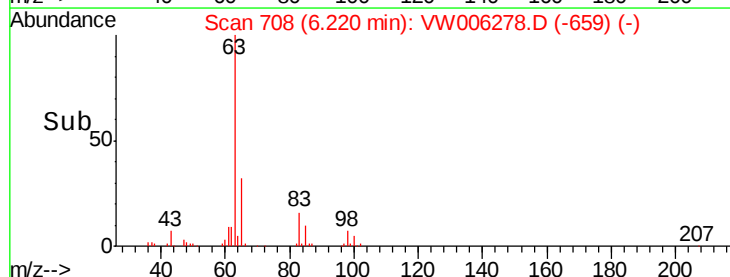
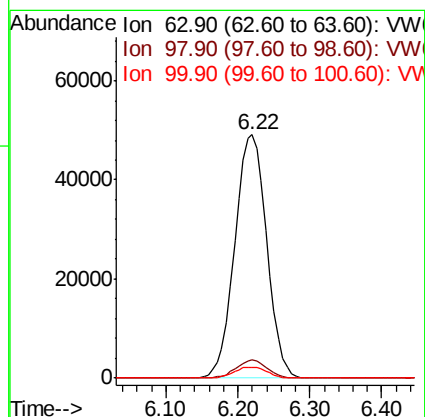
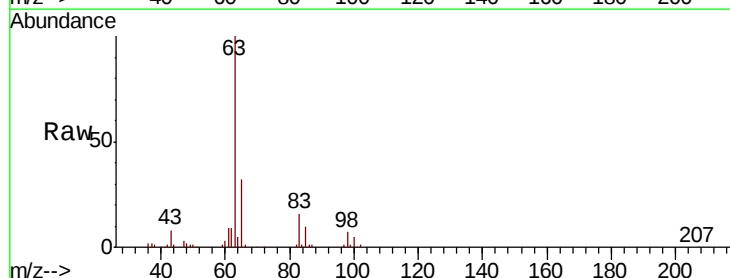
Tgt Ion: 63 Resp: 151239

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 397.212 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

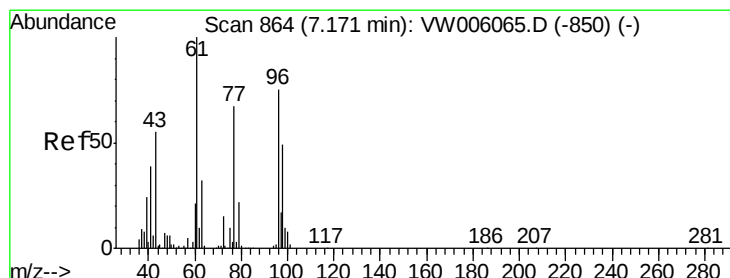
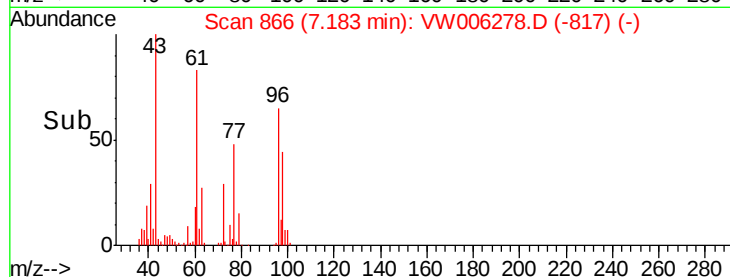
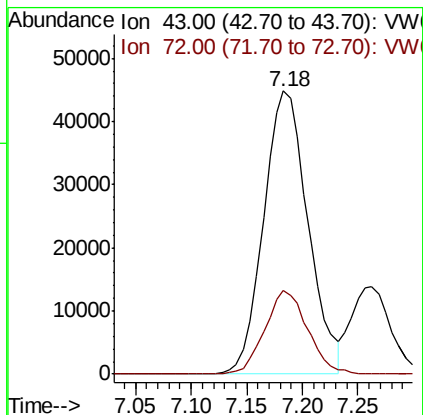
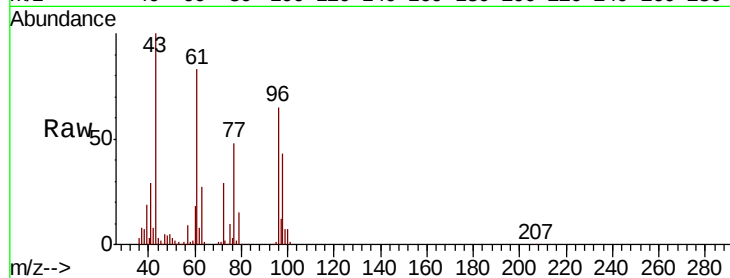
PA-SB-01BMS

Tot Ion: 43 Resp: 124491

Ion Ratio Lower Upper

43 100

72 29.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 52.145 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006278.D

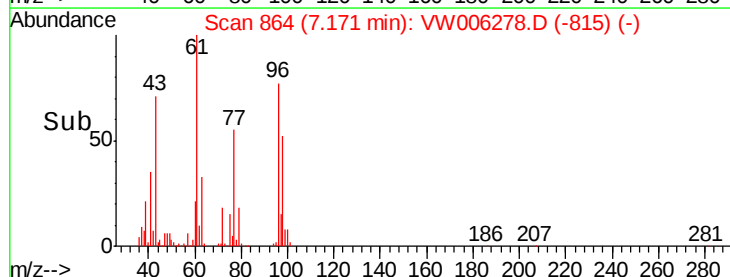
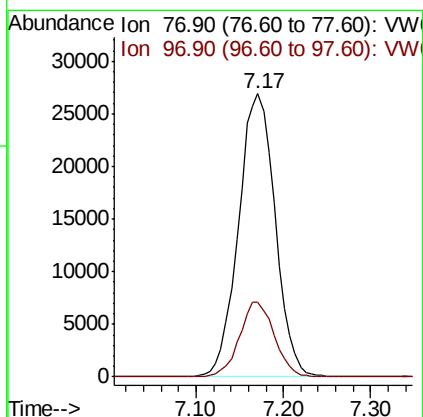
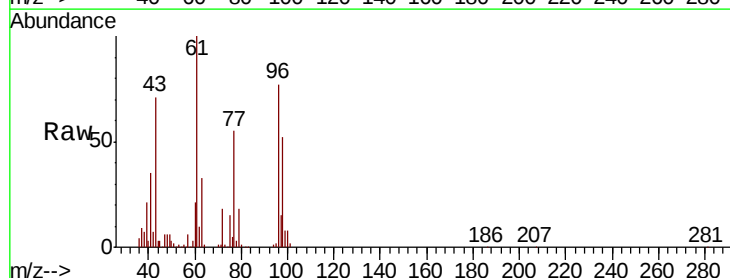
Acq: 23 Oct 2018 04:55

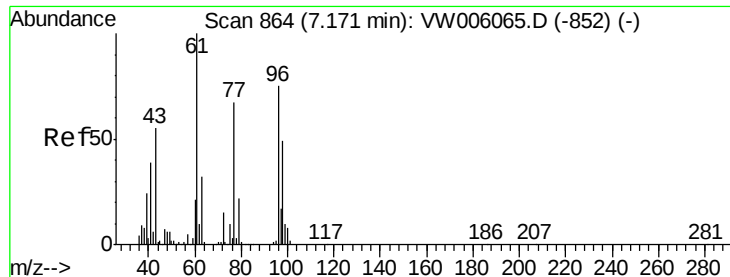
Tgt Ion: 77 Resp: 78400

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.4



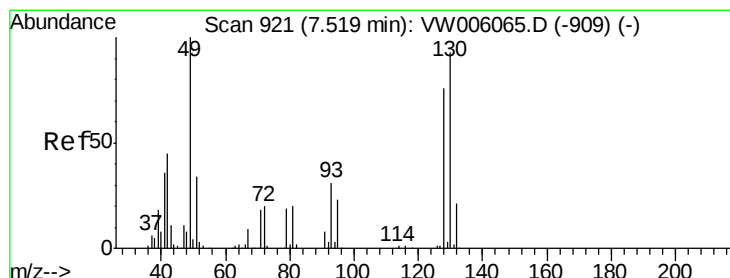
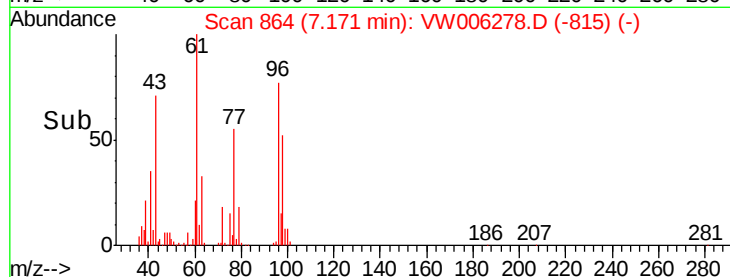
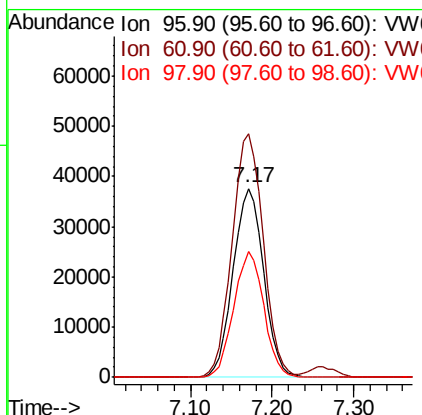
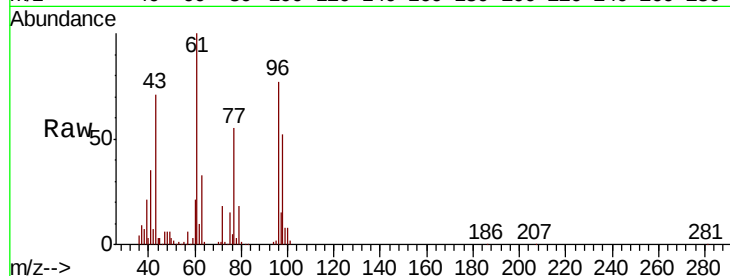


#27

cis-1,2-Dichloroethene
Concen: 67.698 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

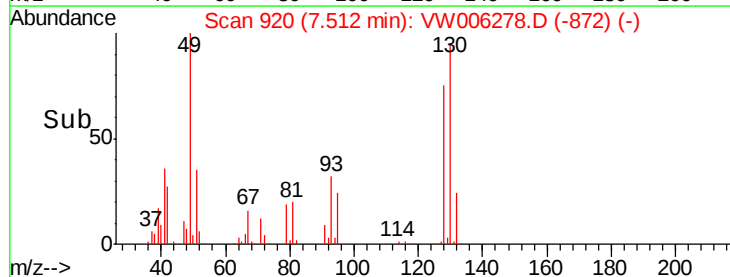
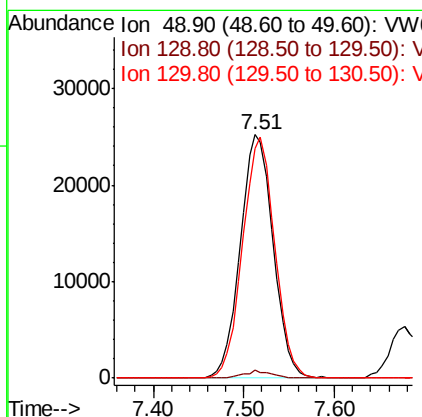
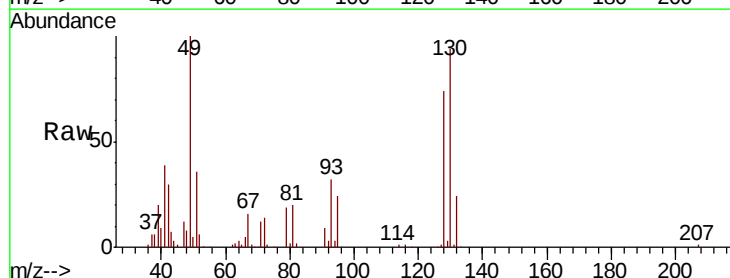
Tot Ion	96	Resp	97498
Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	267.2
98	65.3	0.0	128.6



#28

Bromochloromethane
Concen: 77.022 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	49	Resp	63388
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.5	73.8	110.8

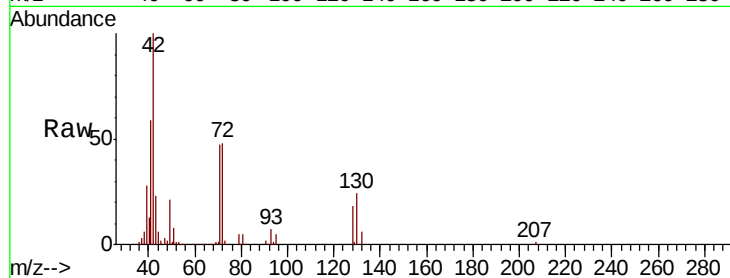




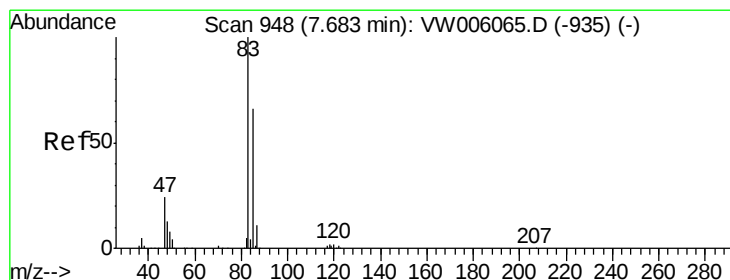
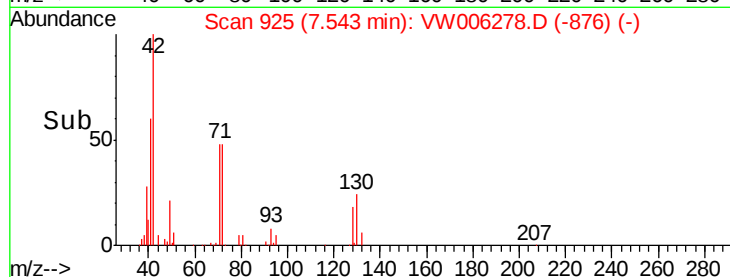
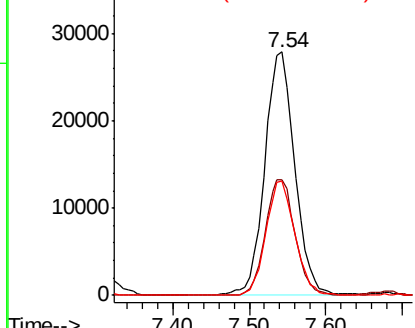
#29
Tetrahydrofuran
Concen: 394.893 ug/l
RT: 7.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampled :
PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.0	57.0
71	45.3	35.3	52.9

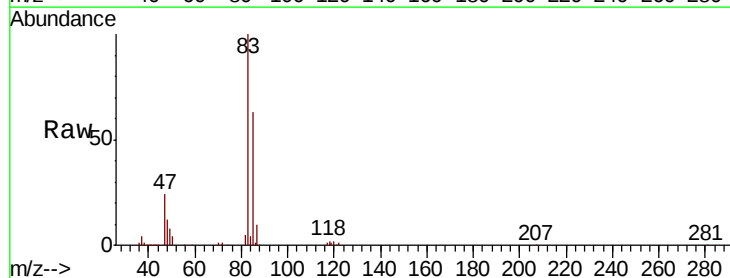


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

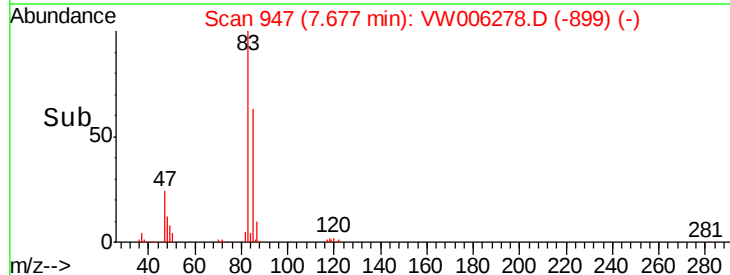
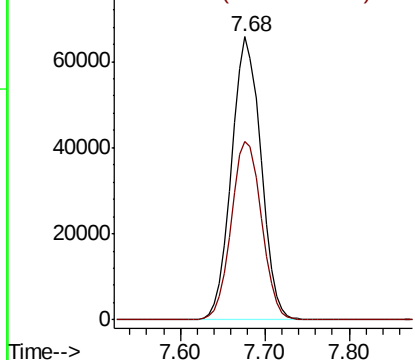


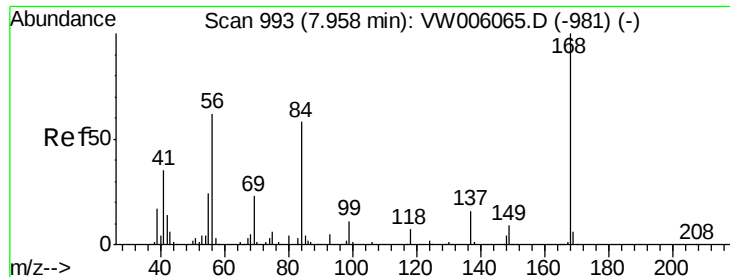
#30
Chloroform
Concen: 66.815 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0



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

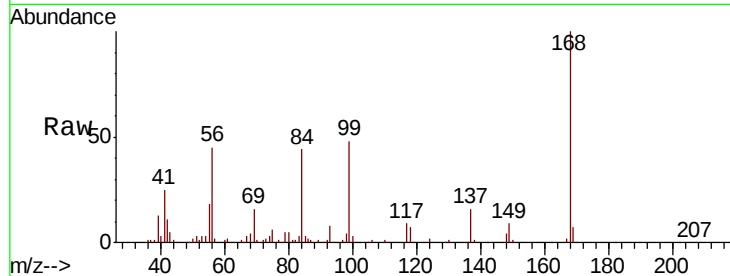




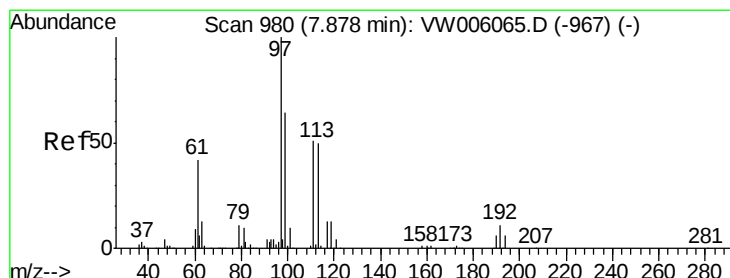
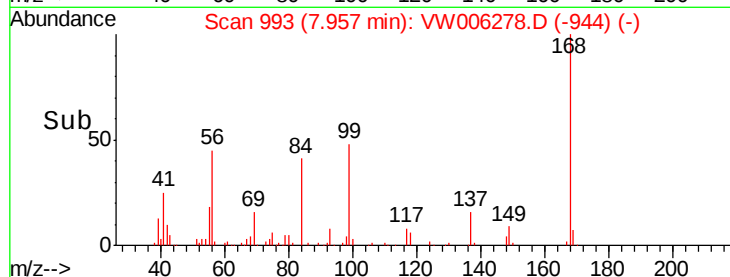
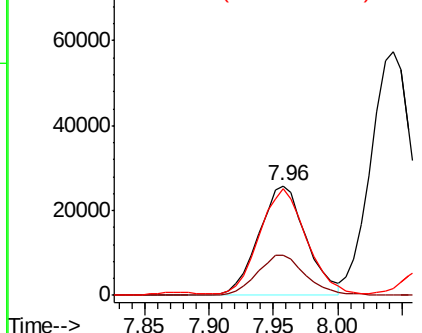
#31
Cyclohexane
Concen: 31.151 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleID :
PA-SB-01BMS

Tot Ion: 56 Resp: 66131
Ion Ratio Lower Upper
56 100
69 36.2 29.4 44.0
84 94.8 74.0 111.0

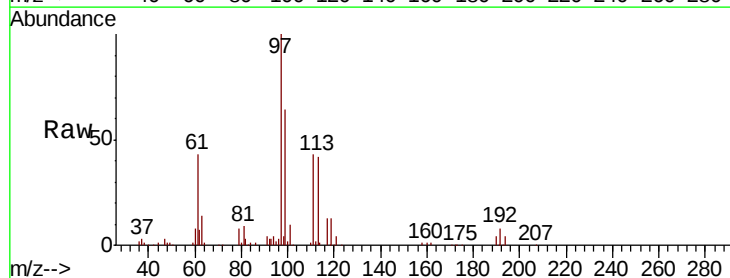


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

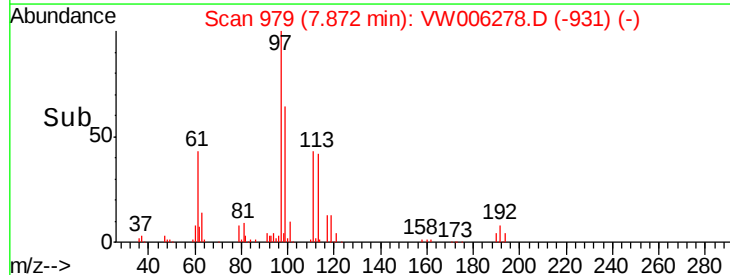
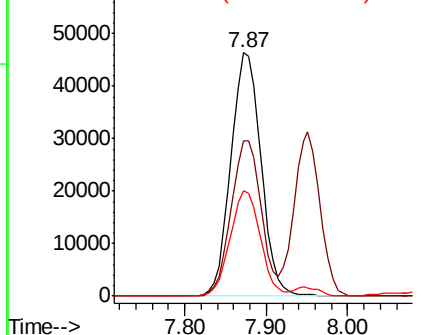


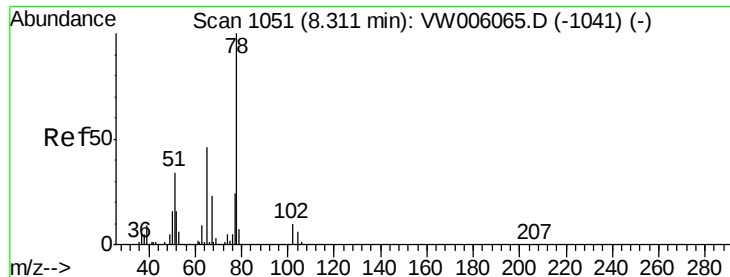
#32
1,1,1-Trichloroethane
Concen: 56.560 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 97 Resp: 118497
Ion Ratio Lower Upper
97 100
99 63.9 50.9 76.3
61 43.2 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: 67.237 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

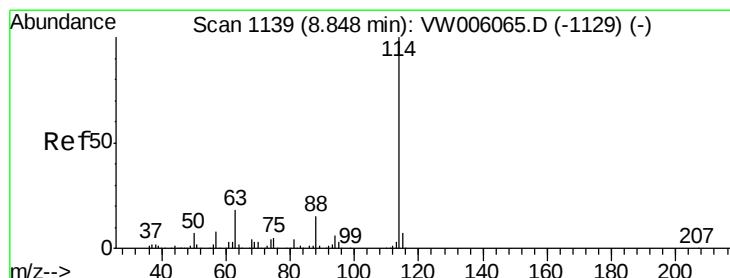
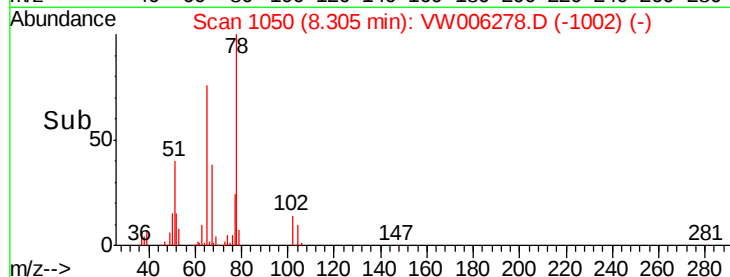
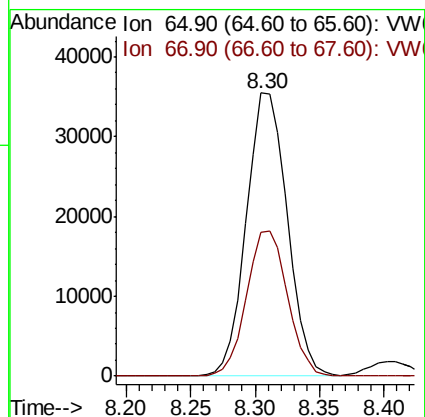
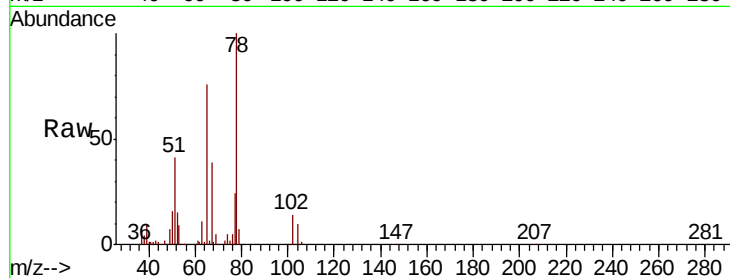
PA-SB-01BMS

Tot Ion: 65 Resp: 78005

Ion Ratio Lower Upper

65 100

67 51.3 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: VW006278.D

Acq: 23 Oct 2018 04:55

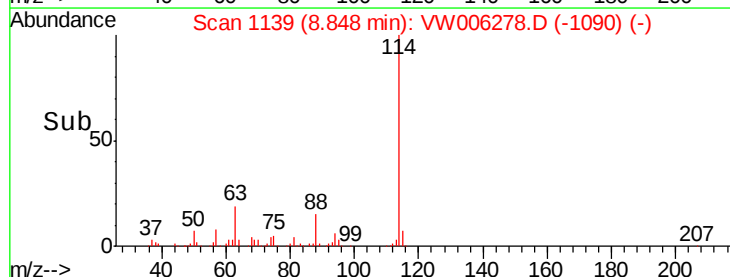
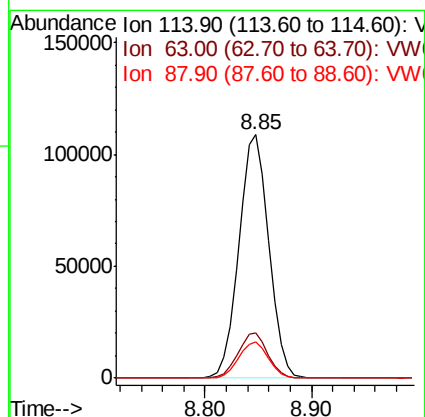
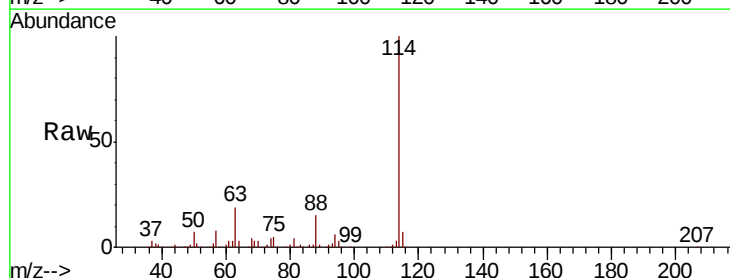
Tgt Ion: 114 Resp: 214326

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 59.223 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

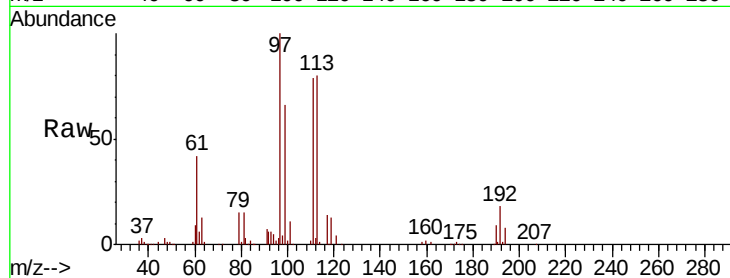
Tot Ion:113 Resp: 75002

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

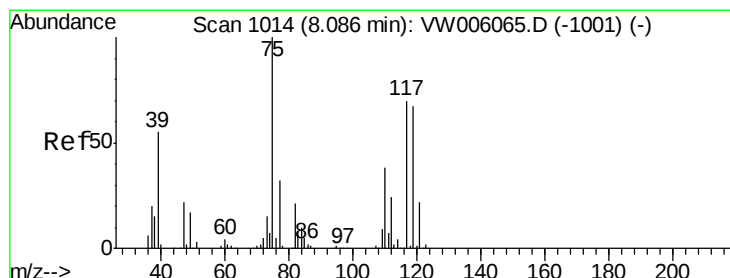
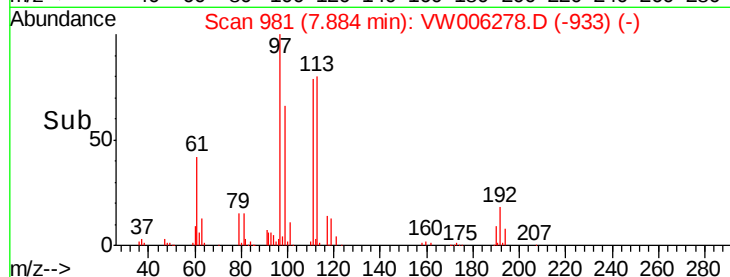
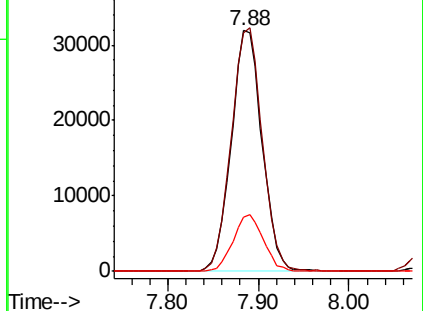
192 23.1 18.7 28.1



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: 46.554 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

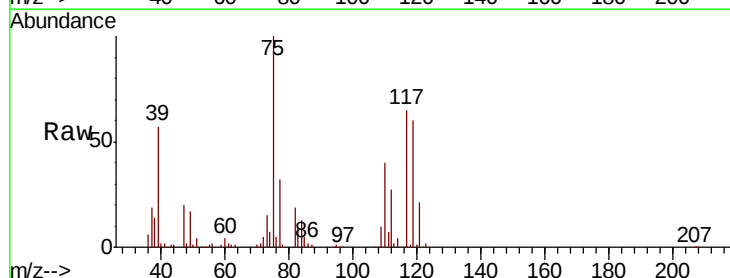
Tgt Ion: 75 Resp: 91967

Ion Ratio Lower Upper

75 100

110 38.0 19.1 57.1

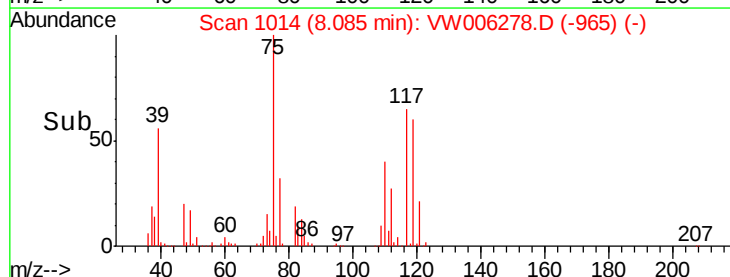
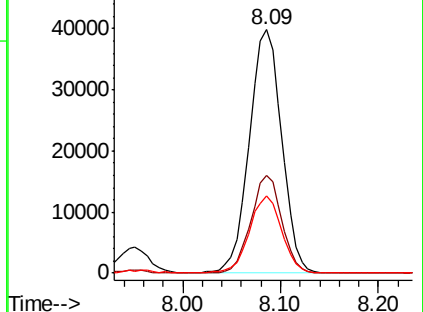
77 31.5 25.0 37.4

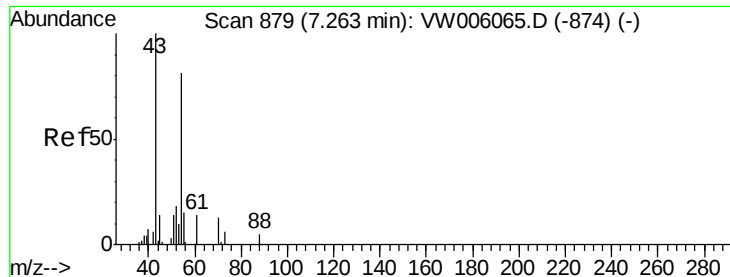


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

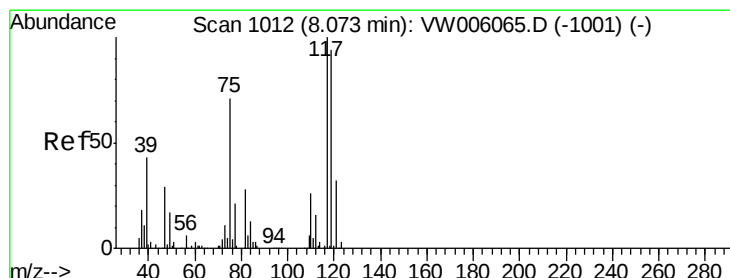
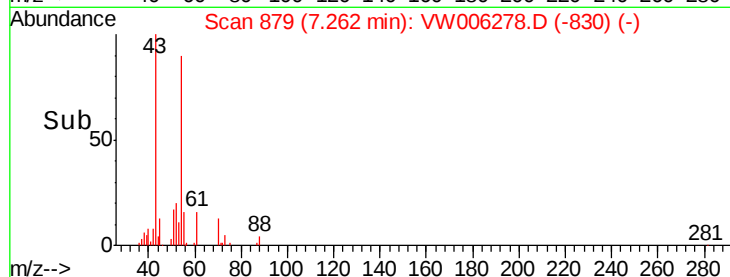
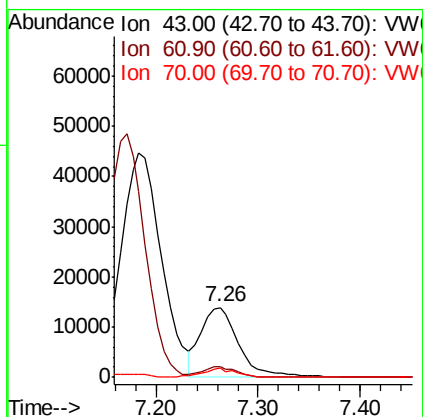
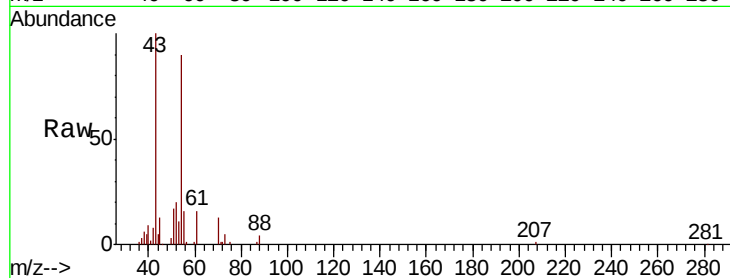




#37
Ethyl Acetate
Concen: 47.967 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

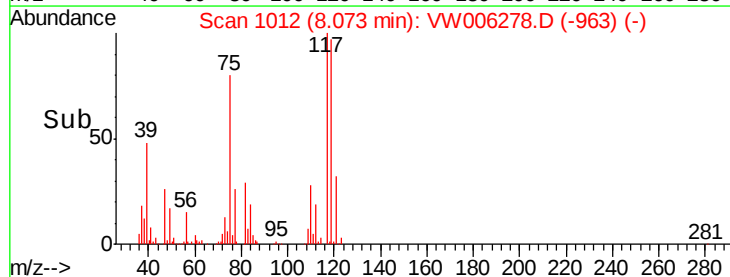
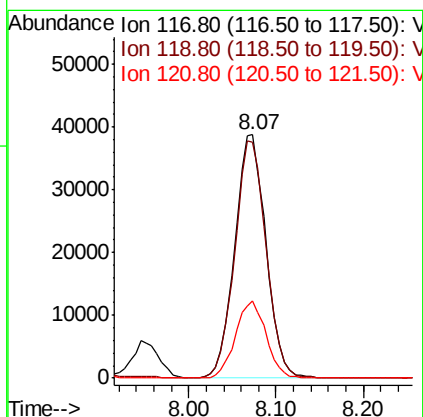
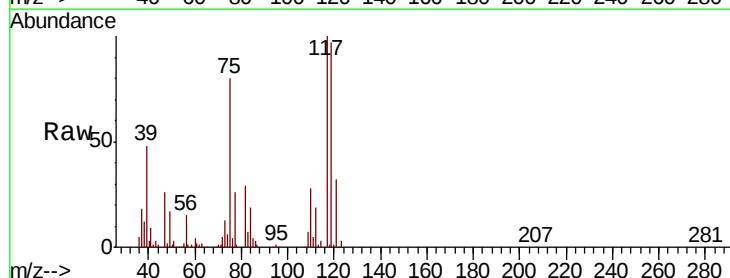
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

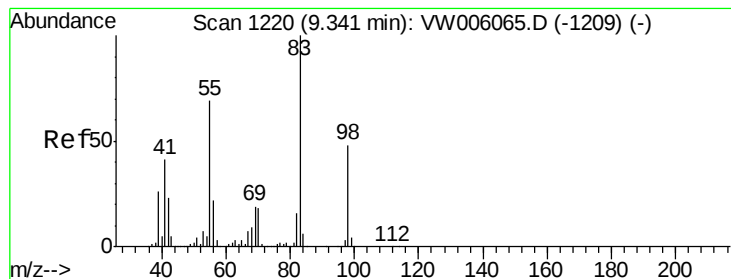
Tot Ion: 43 Resp: 35206
Ion Ratio Lower Upper
43 100
61 14.0 11.5 17.3
70 11.8 9.2 13.8



#38
Carbon Tetrachloride
Concen: 44.386 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 117 Resp: 96124
Ion Ratio Lower Upper
117 100
119 97.0 75.2 112.8
121 31.7 25.3 37.9





#39

Methvlcvclohexane

Concen: 19.953 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

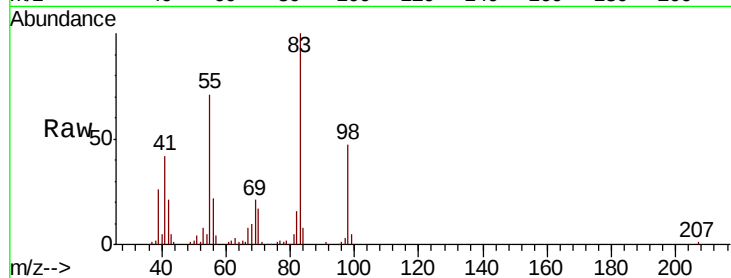
Tot Ion: 83 Resp: 52396

Ion Ratio Lower Upper

83 100

55 70.6 55.0 82.6

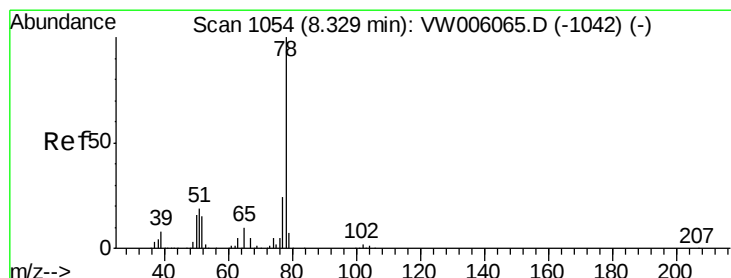
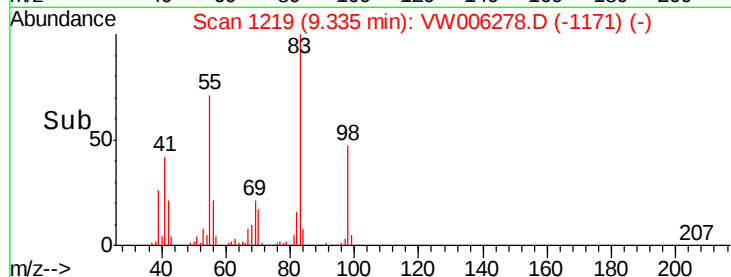
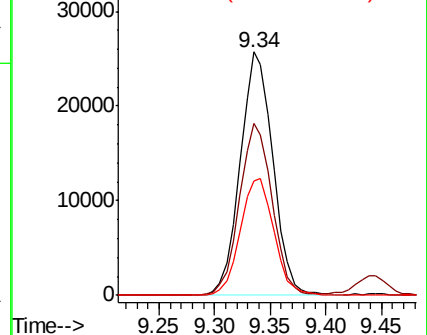
98 47.2 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 58.619 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW006278.D

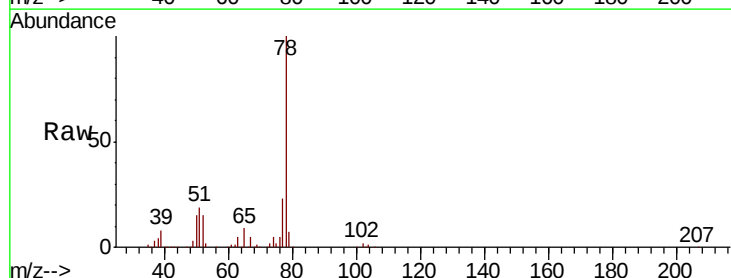
Acq: 23 Oct 2018 04:55

Tgt Ion: 78 Resp: 317653

Ion Ratio Lower Upper

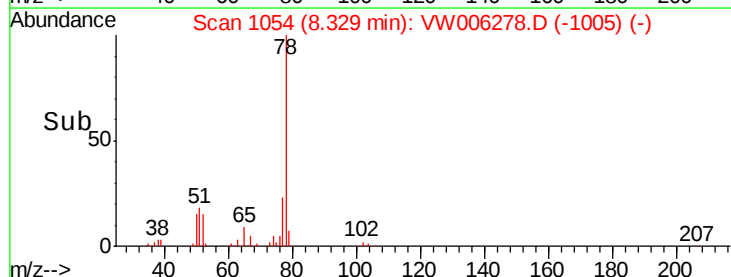
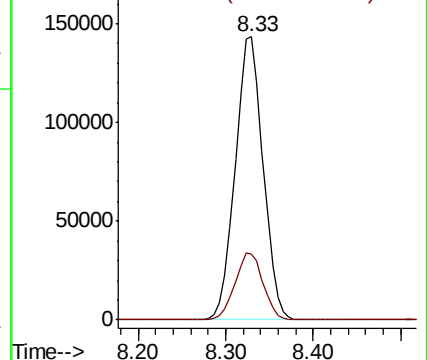
78 100

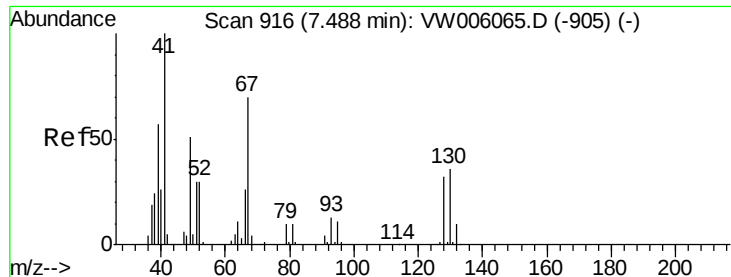
77 23.3 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

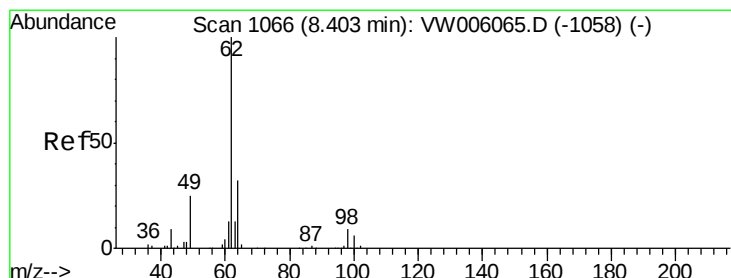
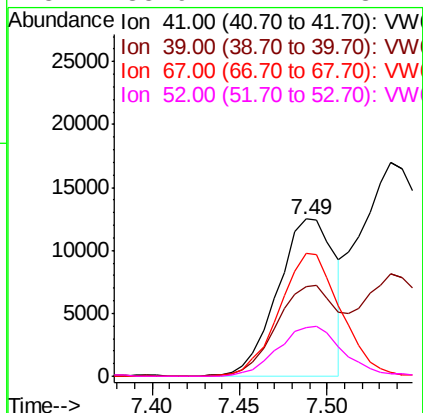
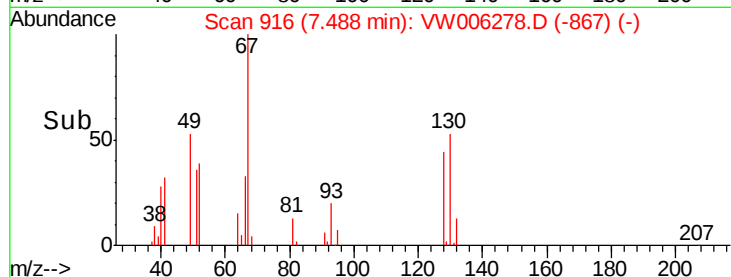
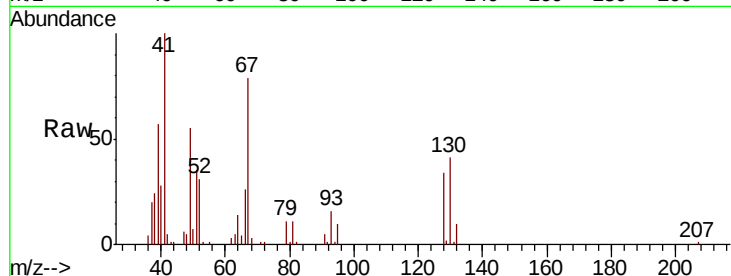




#41
Methacrylonitrile
Concen: 64.315 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

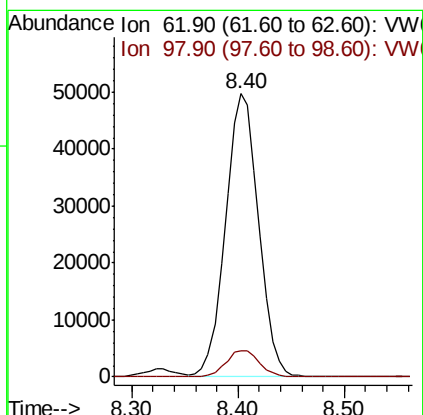
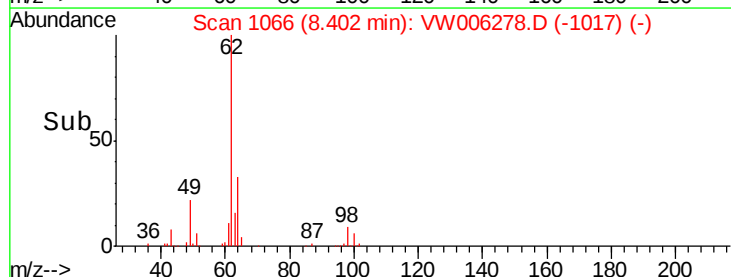
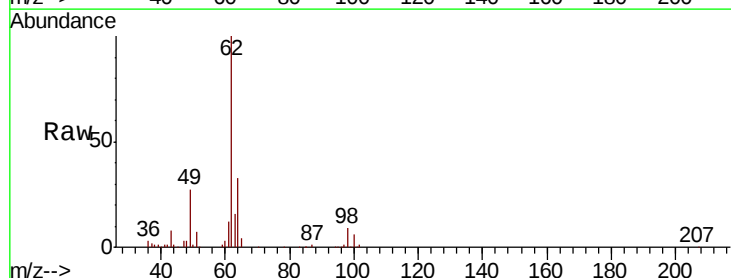
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

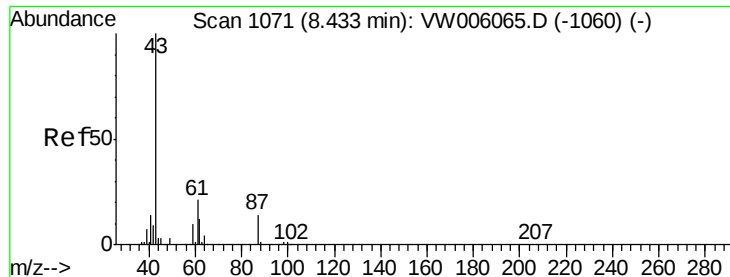
Tot Ion:	41	Resp:	28457
Ion	Ratio	Lower	Upper
41	100		
39	65.0	46.2	69.4
67	84.8	57.7	86.5
52	35.9	24.7	37.1



#42
1,2-Dichloroethane
Concen: 67.641 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:	62	Resp:	107690
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 45.151 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

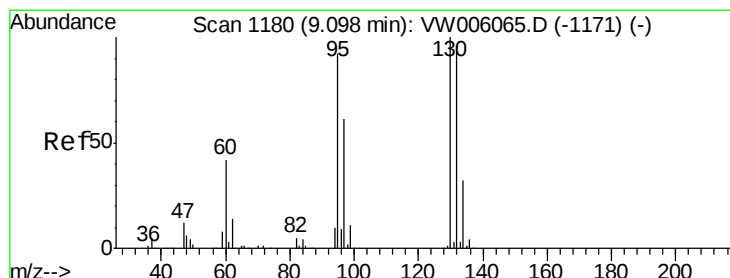
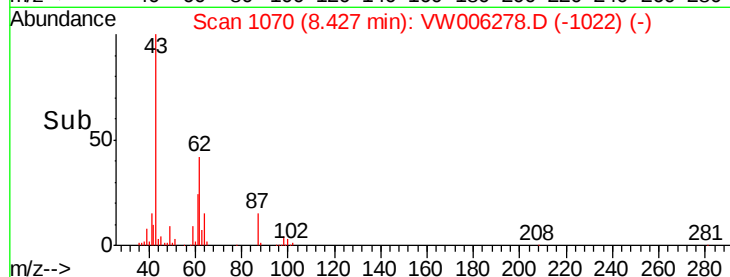
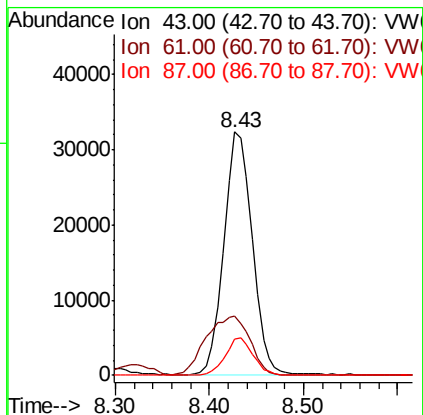
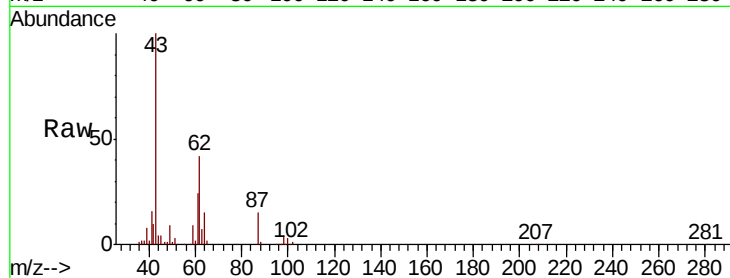
Tot Ion: 43 Resp: 67759

Ion Ratio Lower Upper

43 100

61 37.3 25.5 38.3

87 14.8 11.7 17.5



#44

Trichloroethene

Concen: 47.013 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006278.D

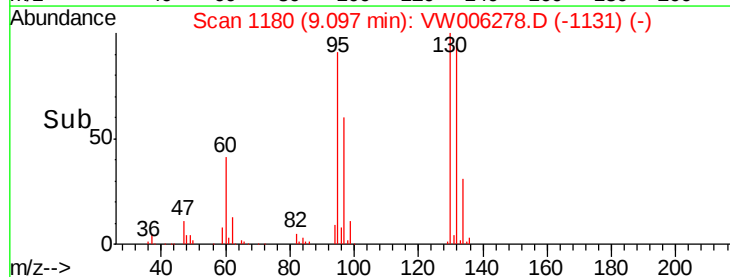
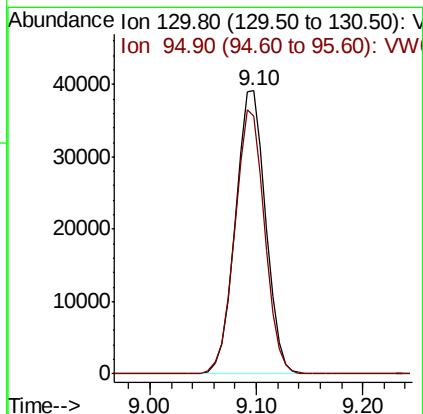
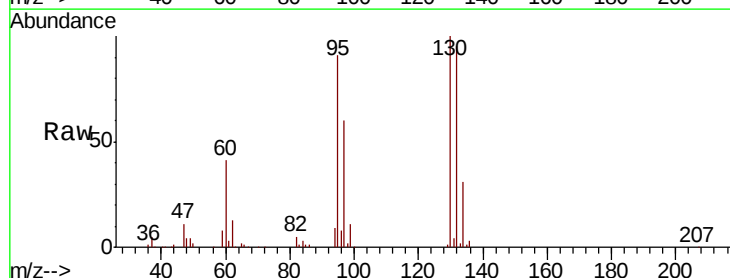
Acq: 23 Oct 2018 04:55

Tgt Ion: 130 Resp: 78159

Ion Ratio Lower Upper

130 100

95 91.0 0.0 183.2

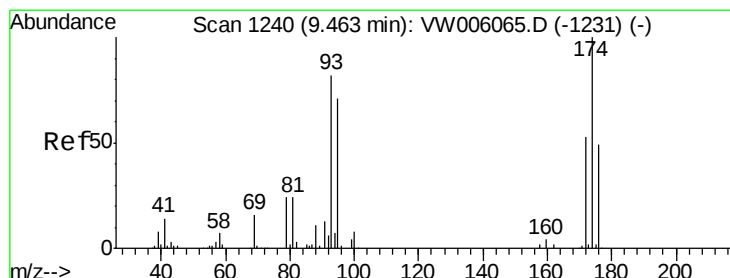
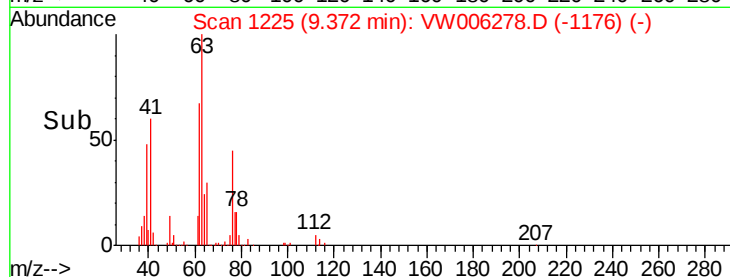
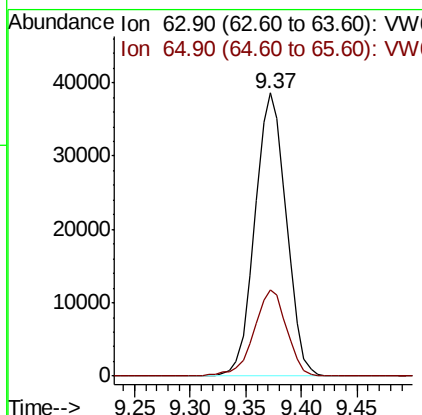
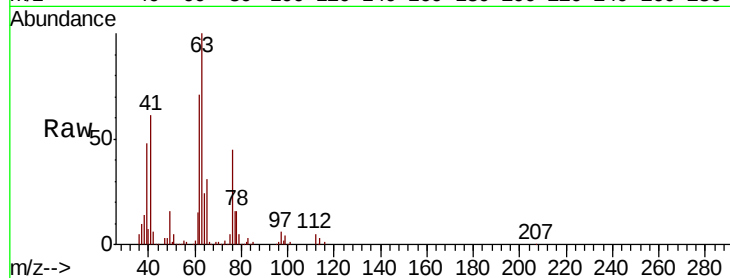




#45
 1,2-Dichloropropane
 Concen: 58.450 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

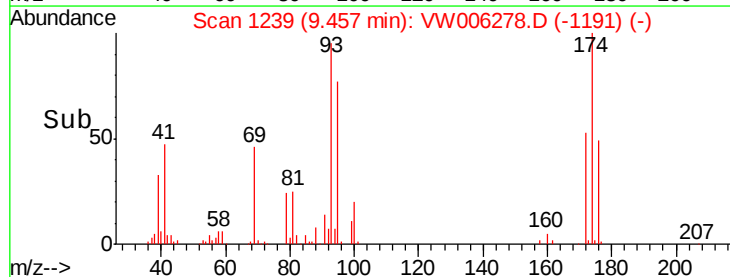
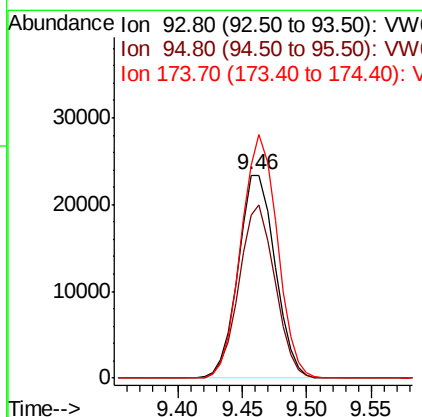
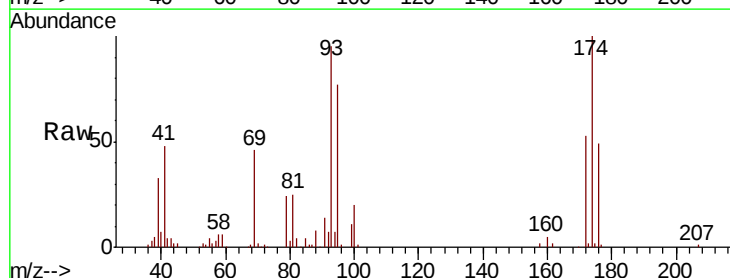
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

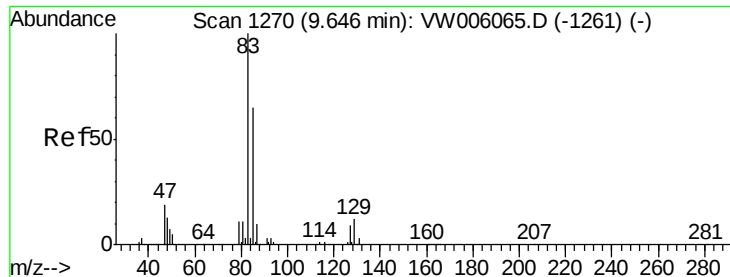
Tot Ion: 63 Resp: 75793
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.4 38.0



#46
 Dibromomethane
 Concen: 63.036 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion: 93 Resp: 46587
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.7 101.5
 174 117.3 93.7 140.5





#47

Bromodichloromethane

Concen: 53.710 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

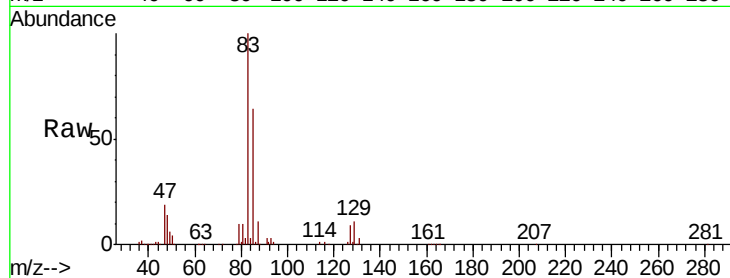
Tot Ion: 83 Resp: 96238

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.8

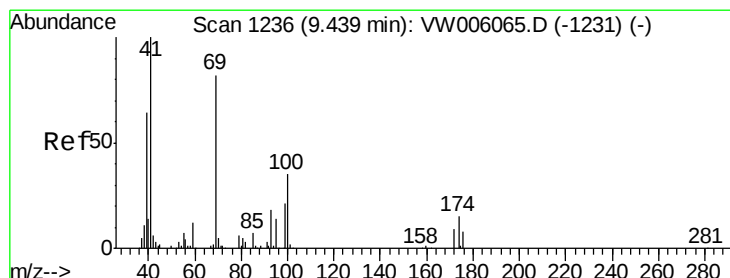
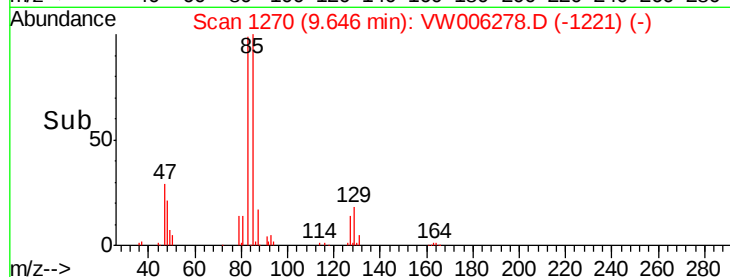
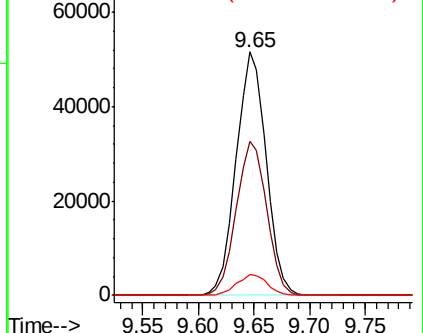
127 8.8 6.9 10.3



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): VW



#48

Methyl methacrylate

Concen: 80.357 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

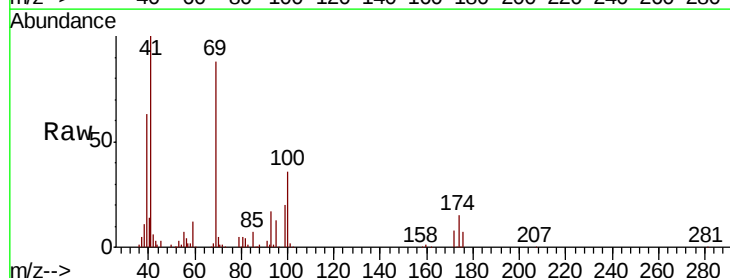
Tgt Ion: 41 Resp: 57162

Ion Ratio Lower Upper

41 100

69 89.8 71.8 107.8

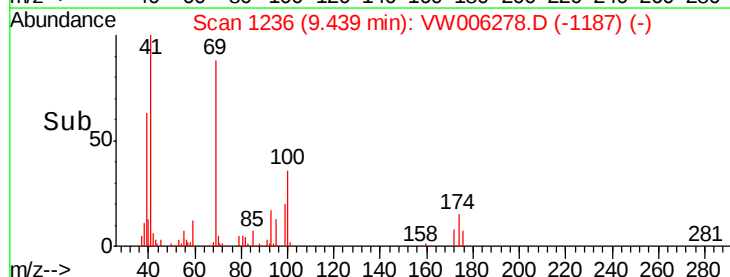
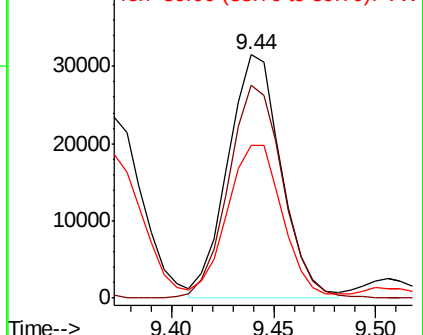
39 65.5 52.5 78.7

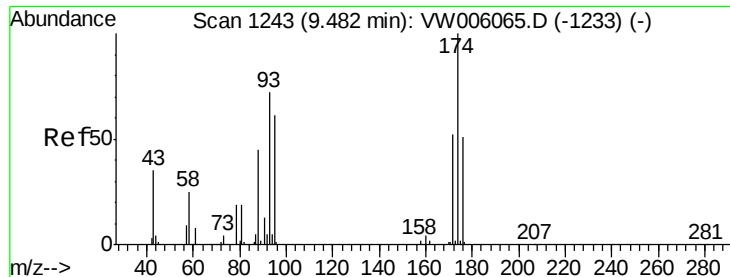


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

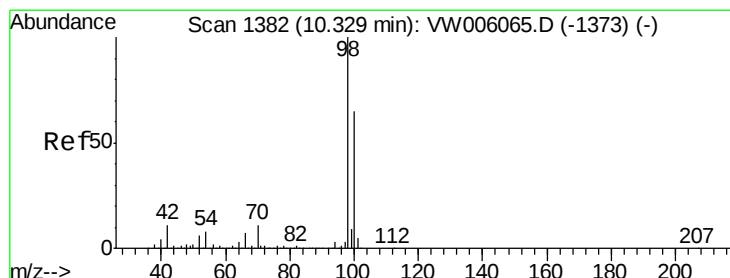
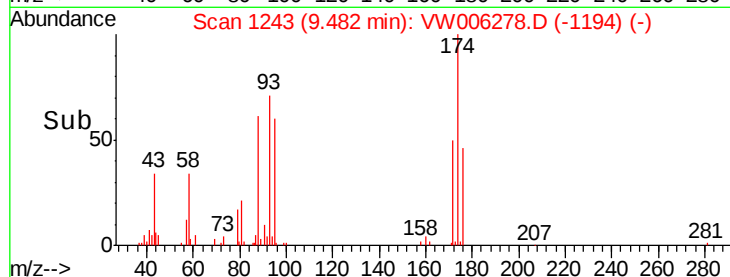
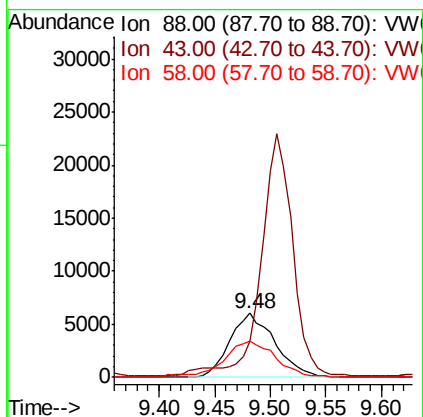
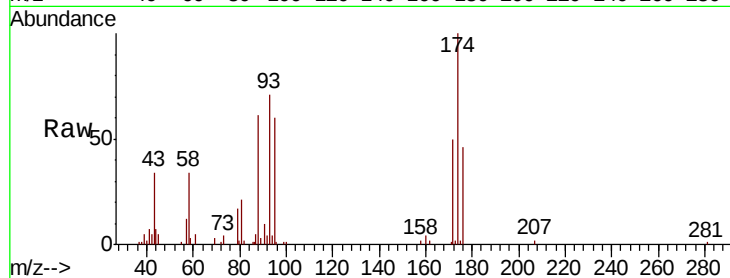




#49
1,4-Dioxane
Concen: 1497.153 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

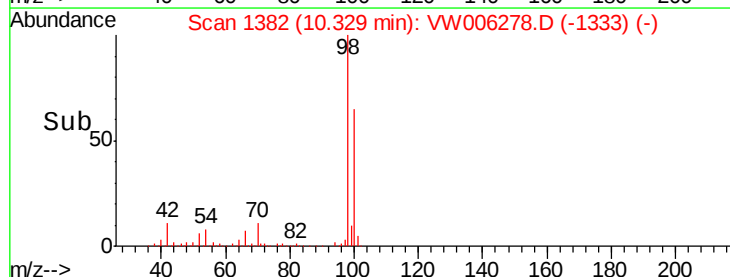
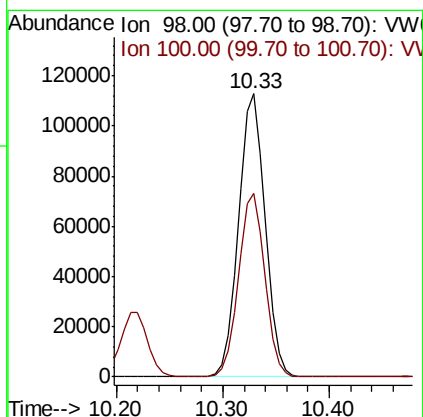
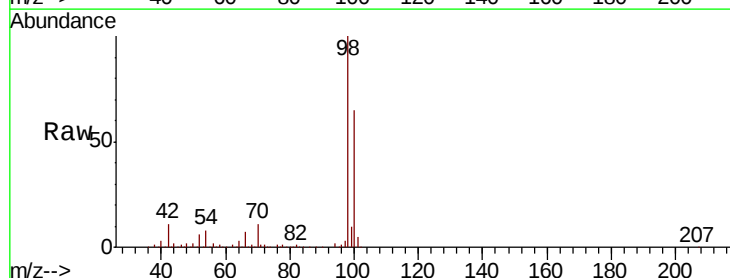
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

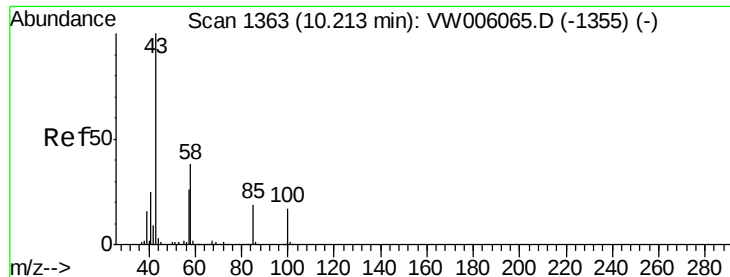
Tot Ion: 88 Resp: 17034
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 65.2 51.2 76.8



#50
Toluene-d8
Concen: 41.088 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 98 Resp: 197971
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 340.537 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

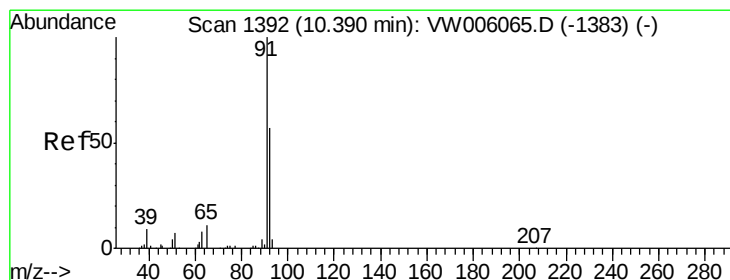
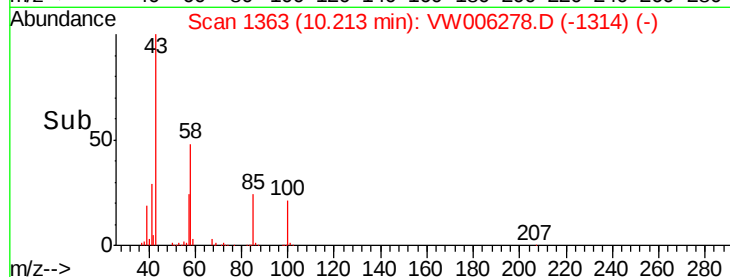
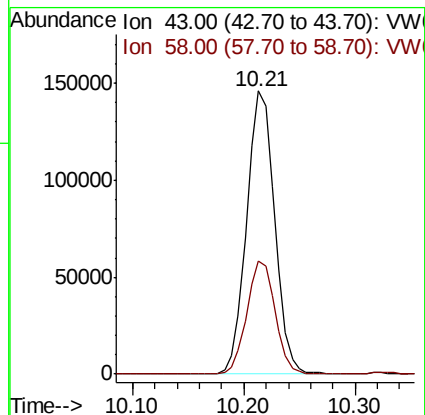
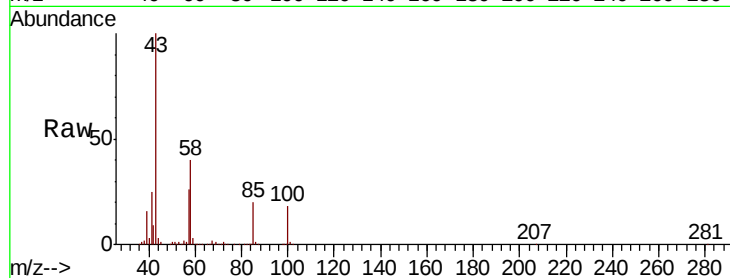
PA-SB-01BMS

Tot Ion: 43 Resp: 256053

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3



#52

Toluene

Concen: 43.479 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006278.D

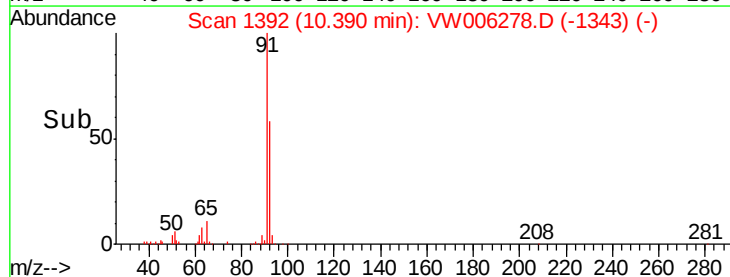
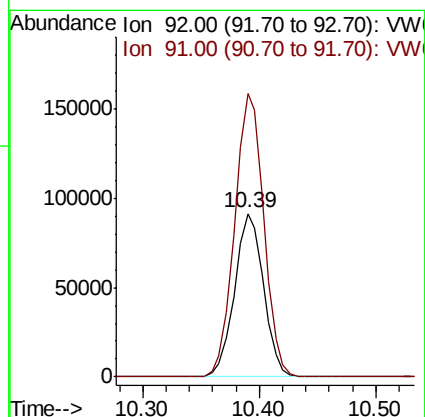
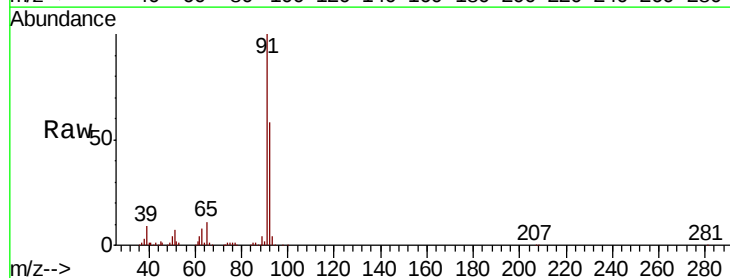
Acq: 23 Oct 2018 04:55

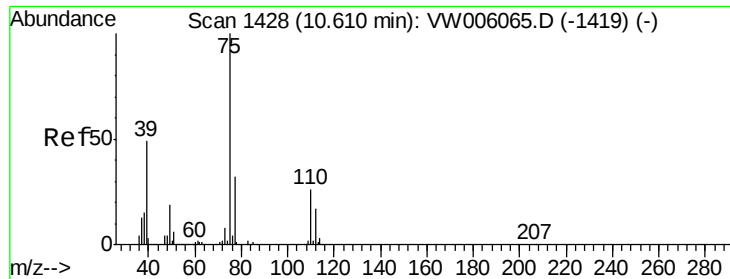
Tgt Ion: 92 Resp: 157956

Ion Ratio Lower Upper

92 100

91 174.7 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 49.231 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

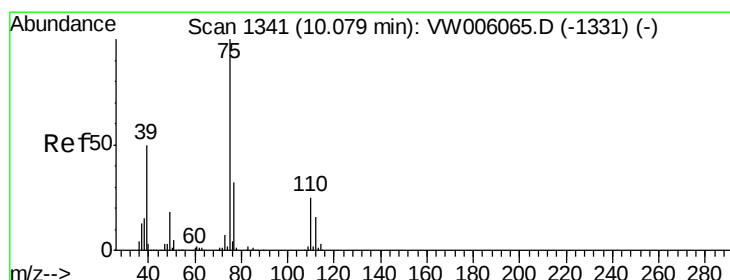
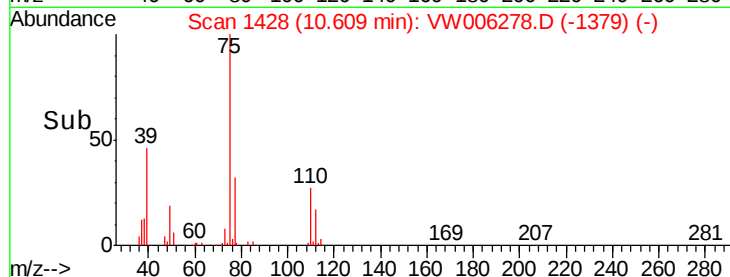
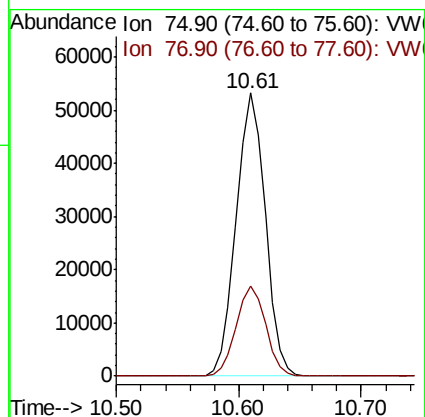
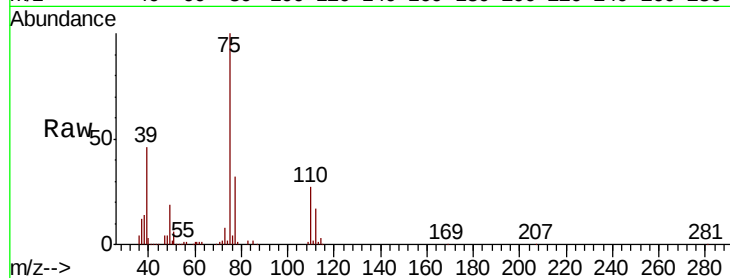
PA-SB-01BMS

Tot Ion: 75 Resp: 87889

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 52.550 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

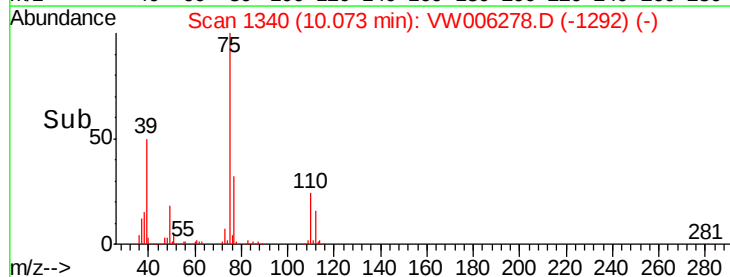
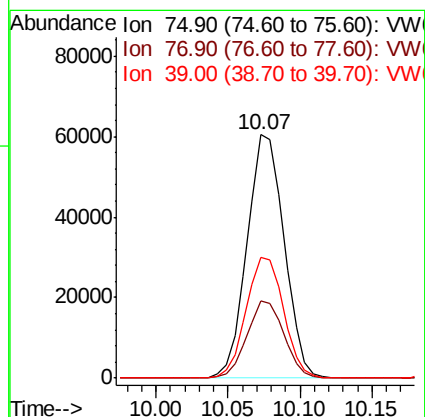
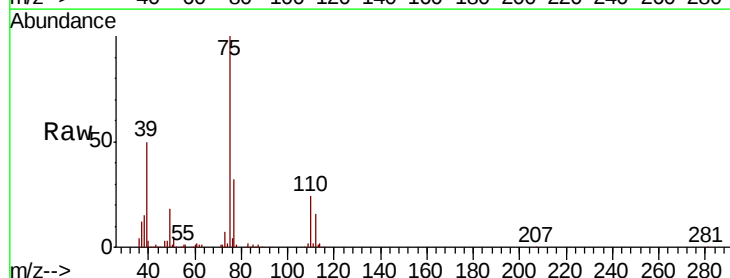
Tgt Ion: 75 Resp: 107669

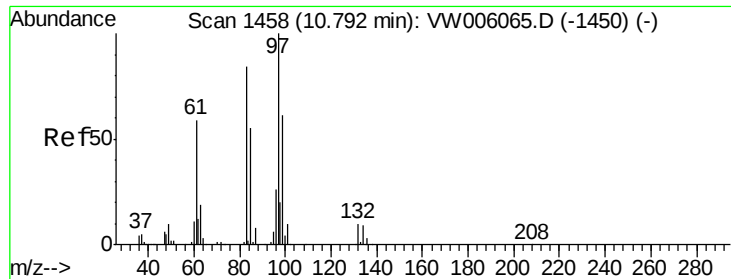
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 49.7 39.9 59.9

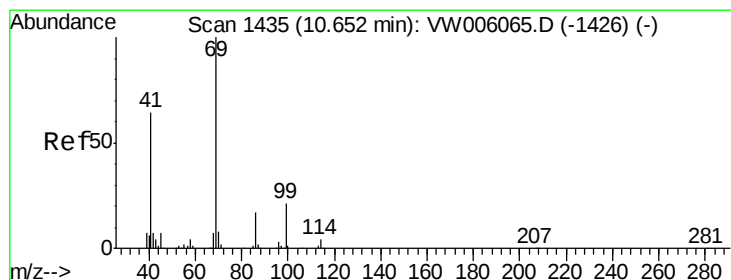
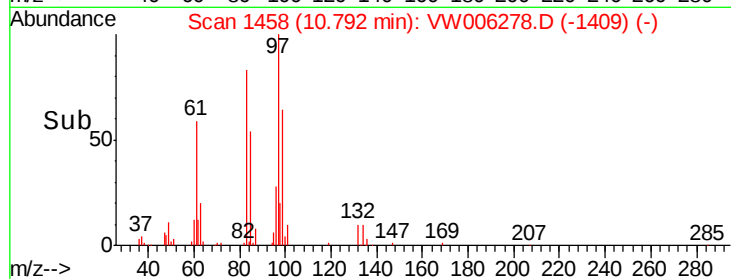
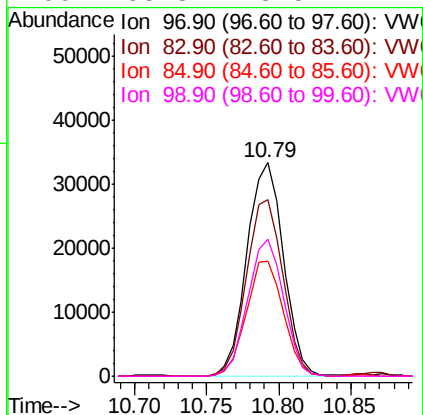
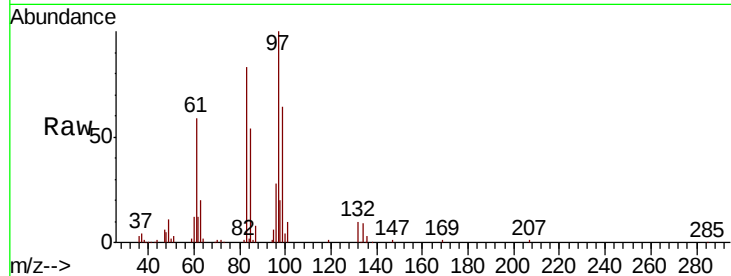




#55
 1,1,2-Trichloroethane
 Concen: 56.668 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

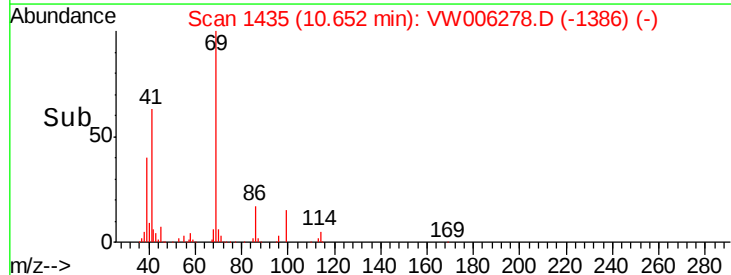
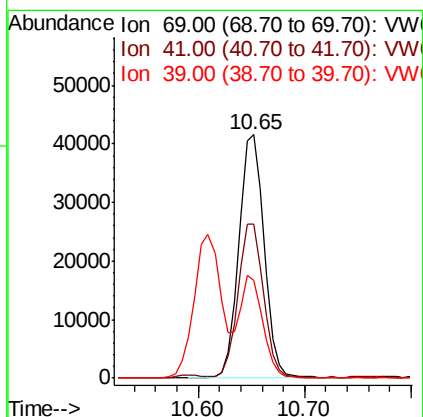
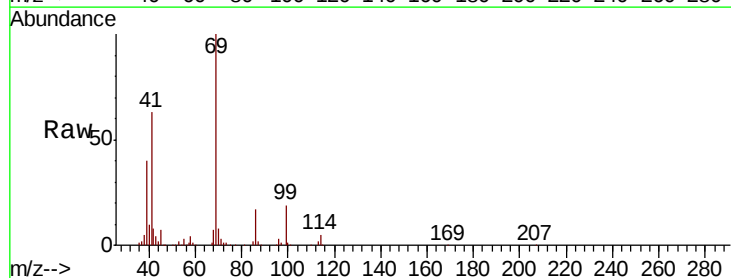
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

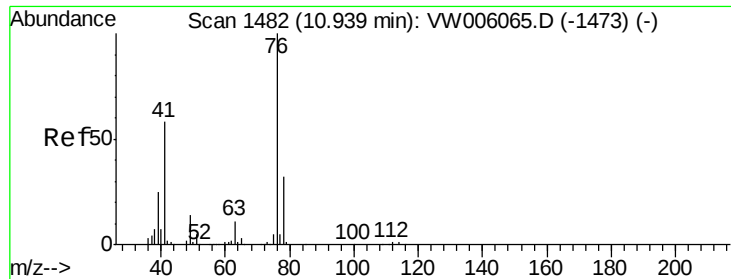
Tot Ion:	97	Resp:	58608
Ion	Ratio	Lower	Upper
97	100		
83	82.6	67.2	100.8
85	53.8	43.7	65.5
99	63.8	48.5	72.7



#56
 Ethyl methacrylate
 Concen: 54.982 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion:	69	Resp:	69712
Ion	Ratio	Lower	Upper
69	100		
41	63.2	52.8	79.2
39	39.6	30.6	45.8





#57

1,3-Dichloropropane

Concen: 56.650 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

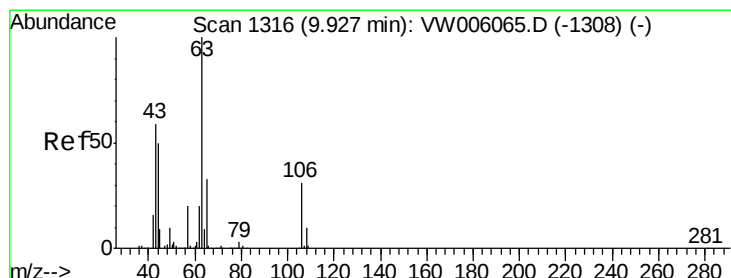
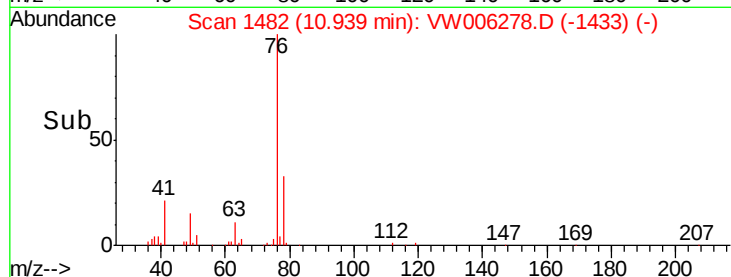
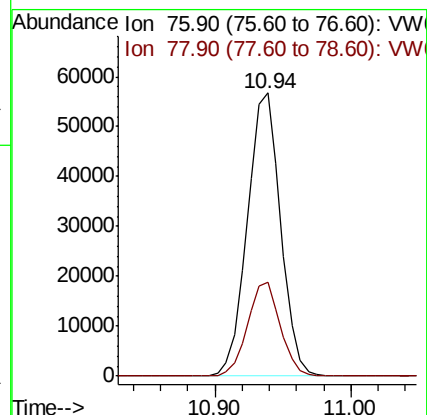
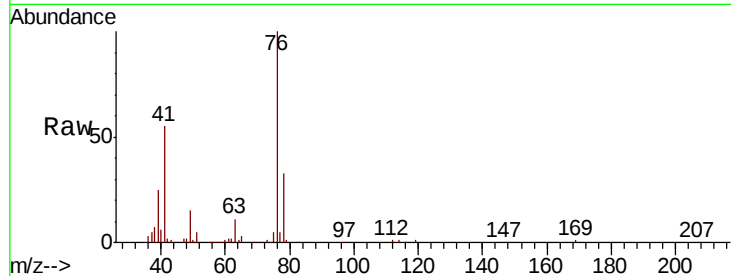
PA-SB-01BMS

Tot Ion: 76 Resp: 96989

Ion Ratio Lower Upper

76 100

78 32.7 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 305.439 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006278.D

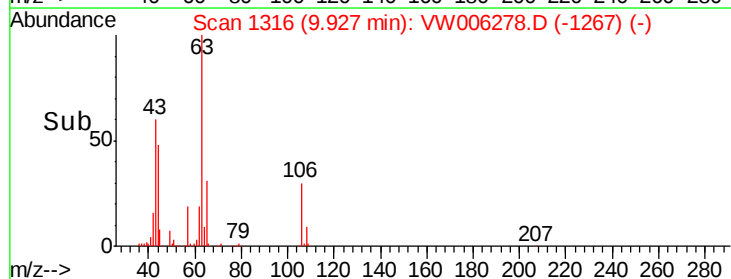
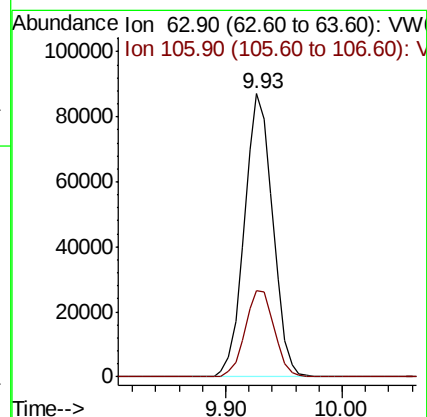
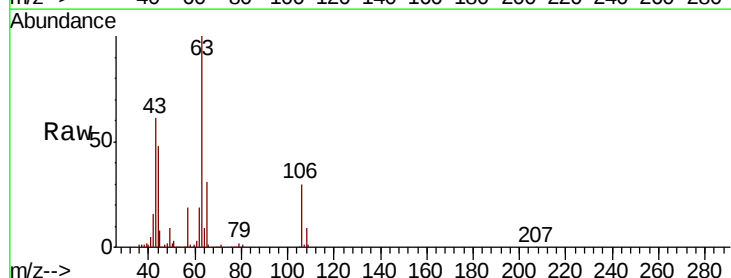
Acq: 23 Oct 2018 04:55

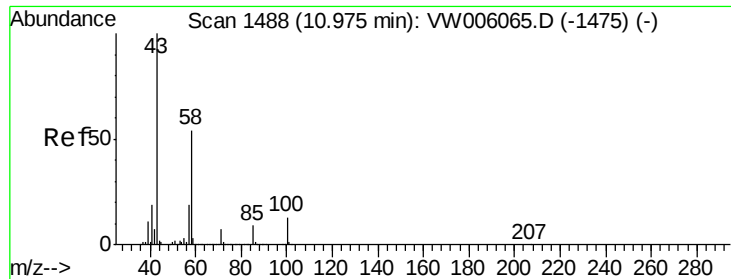
Tgt Ion: 63 Resp: 147977

Ion Ratio Lower Upper

63 100

106 31.4 24.5 36.7

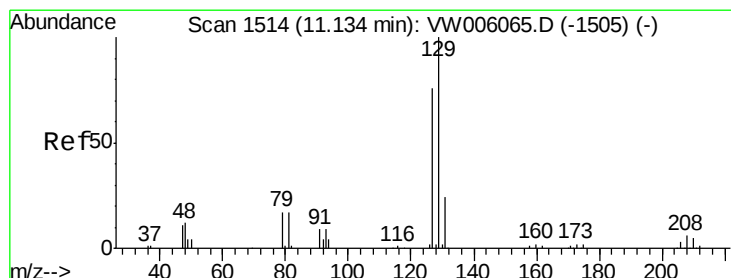
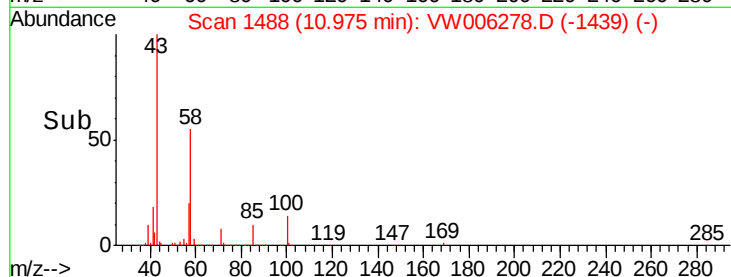
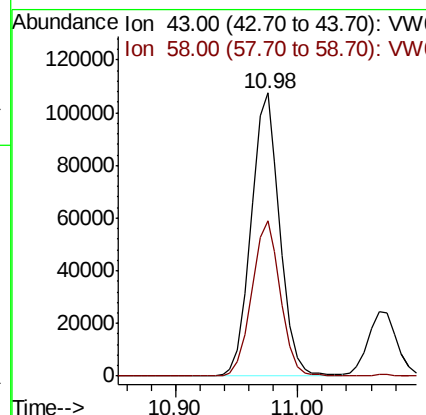
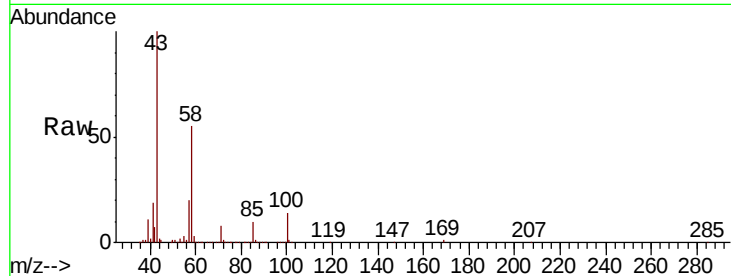




#59
2-Hexanone
Concen: 324.979 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

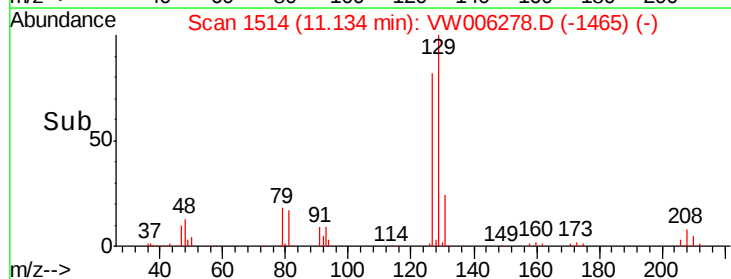
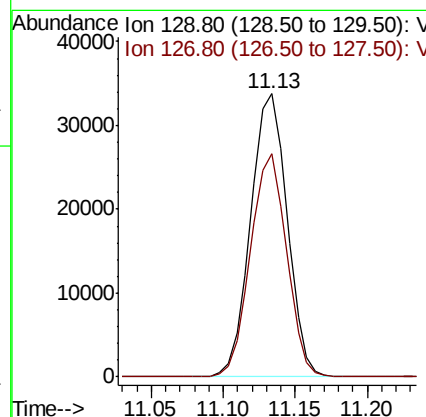
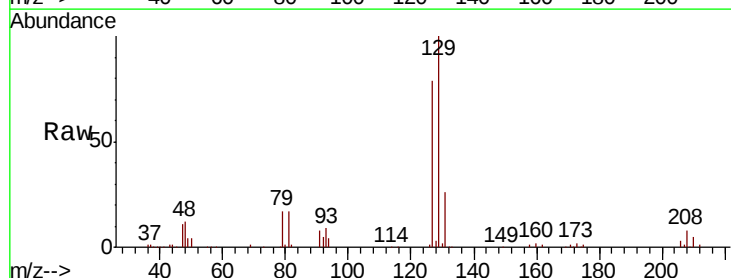
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

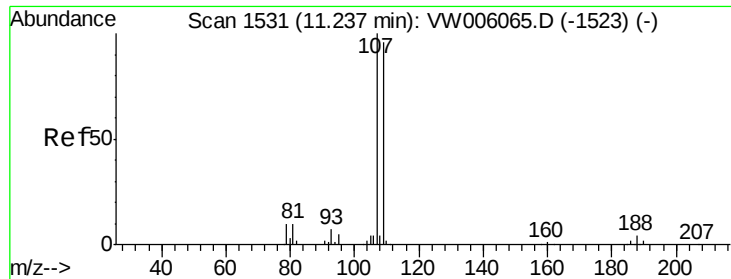
Tot Ion: 43 Resp: 174429
Ion Ratio Lower Upper
43 100
58 54.7 26.9 80.6



#60
Dibromochloromethane
Concen: 46.000 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 129 Resp: 59259
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.7

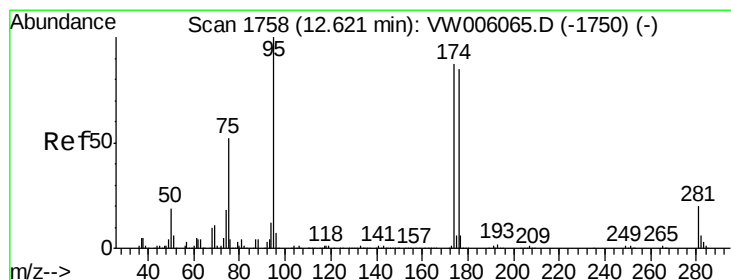
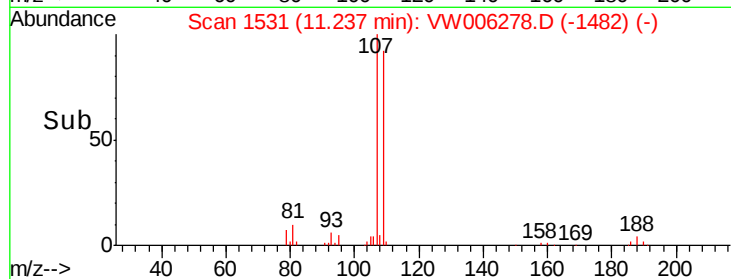
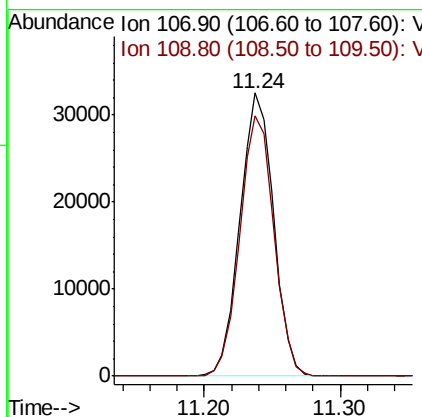
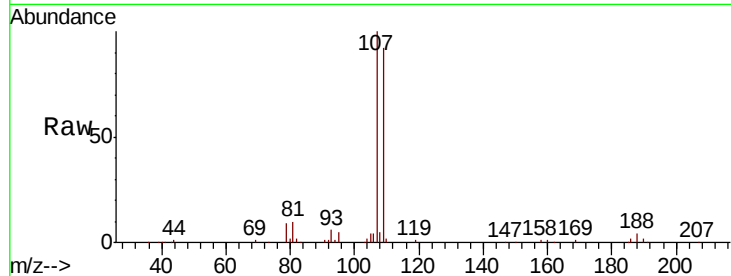




#61
 1,2-Dibromoethane
 Concen: 54.224 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

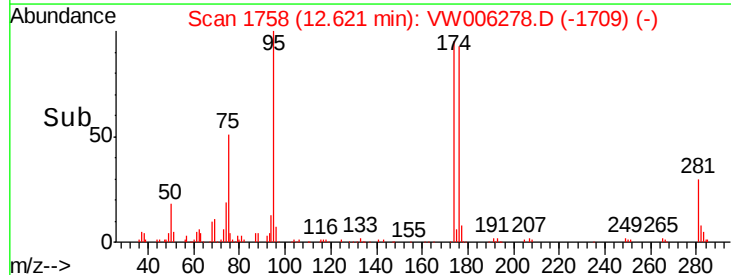
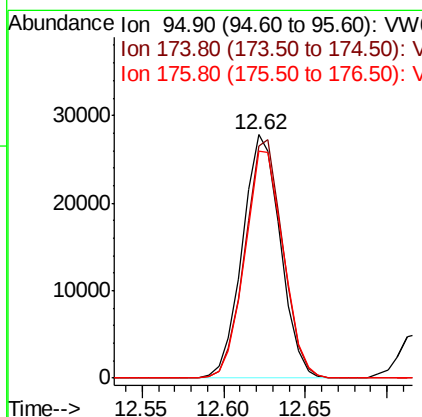
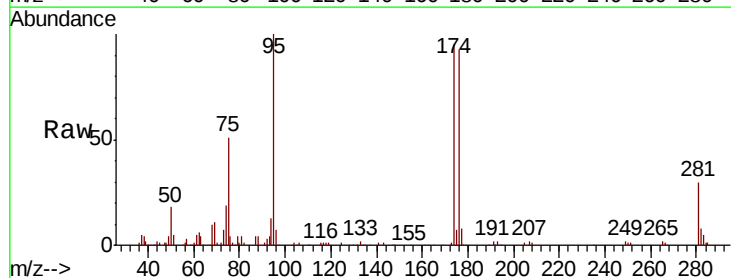
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

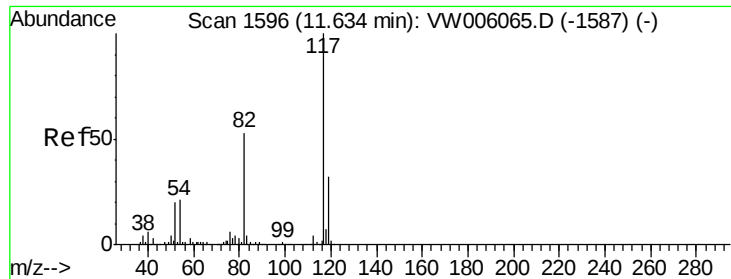
Tot Ion:107 Resp: 56035
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 24.890 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion: 95 Resp: 45042
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 186.0
 176 94.9 0.0 181.6

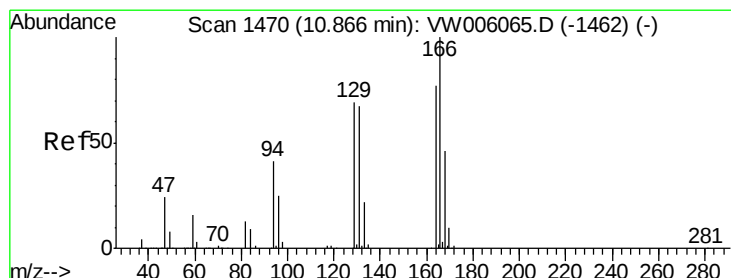
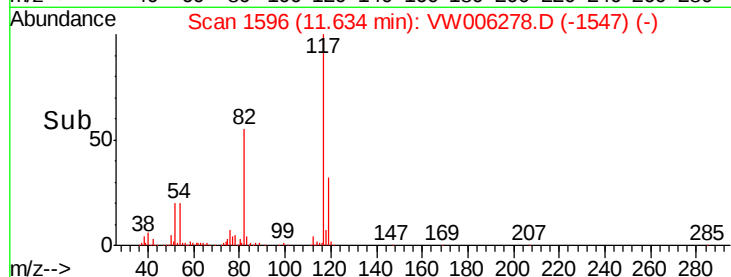
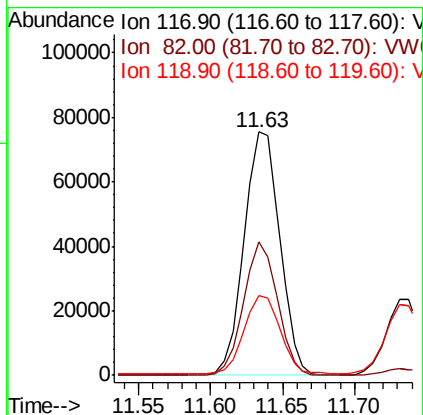
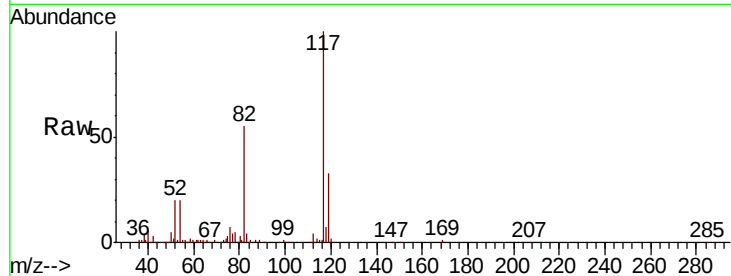




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

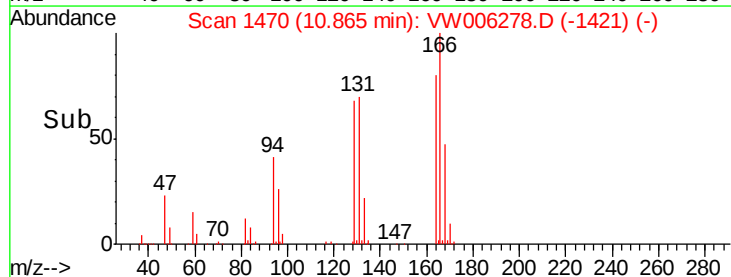
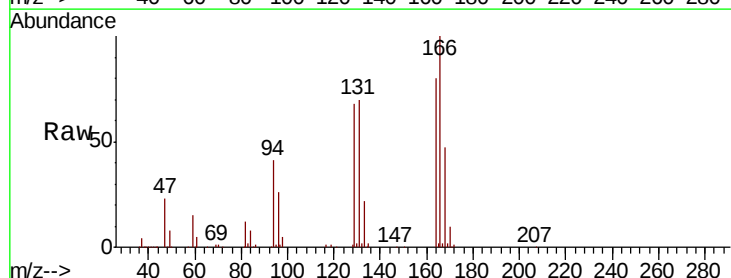
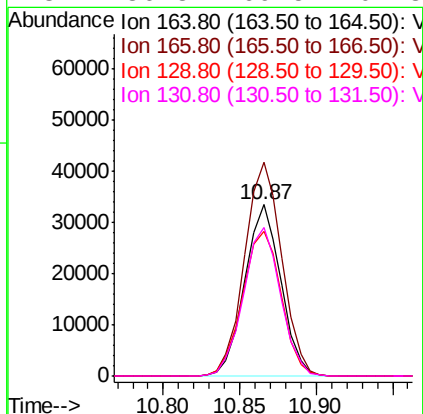
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

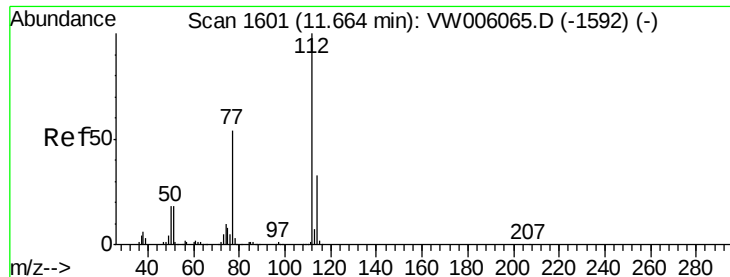
Tot Ion:117 Resp: 129508
Ion Ratio Lower Upper
117 100
82 54.9 42.1 63.1
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 54.422 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:164 Resp: 54715
Ion Ratio Lower Upper
164 100
166 124.7 103.4 155.0
129 84.8 71.8 107.8
131 86.8 69.5 104.3

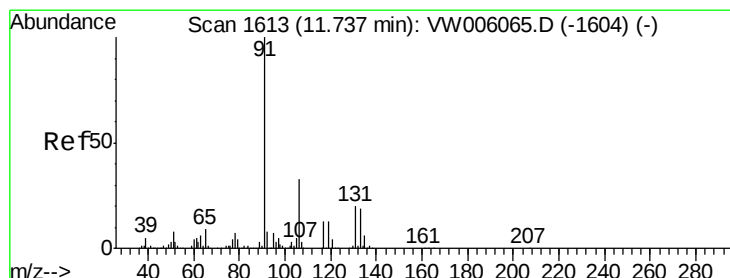
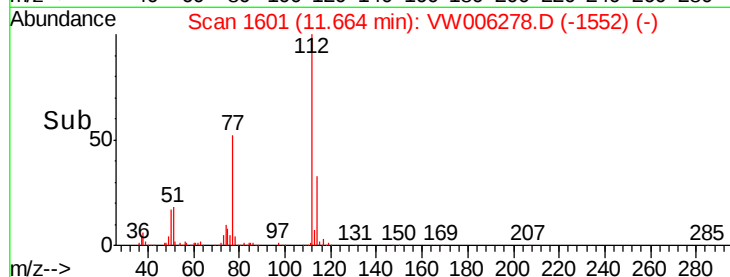
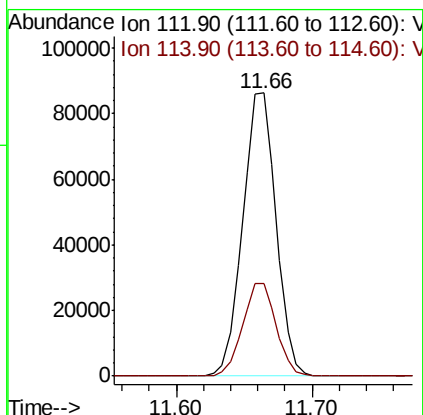
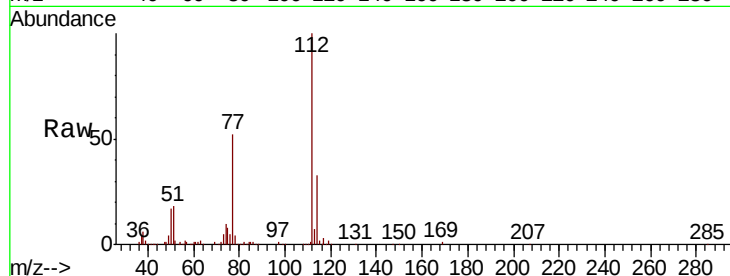




#65
Chlorobenzene
Concen: 53.324 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

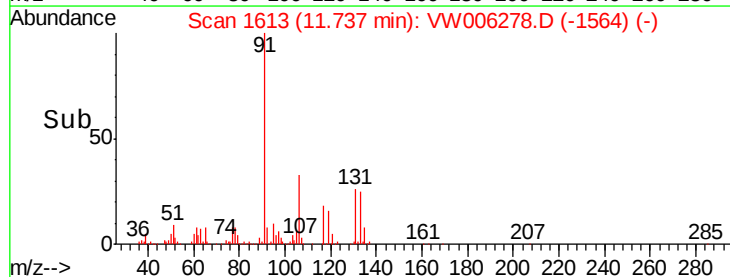
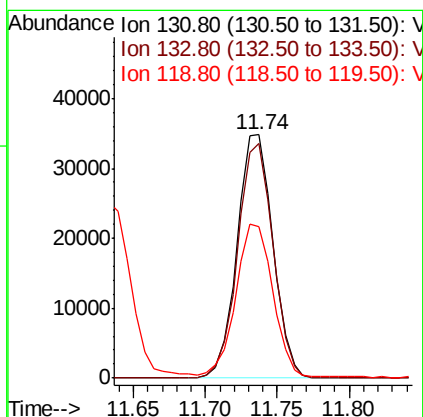
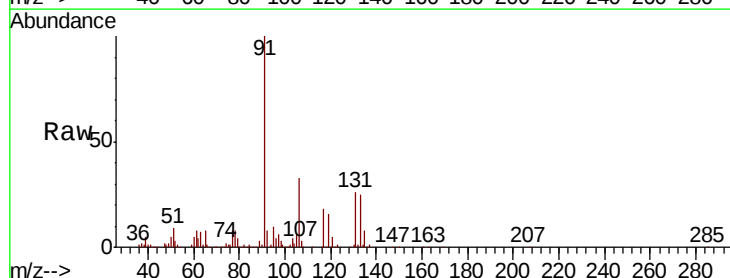
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

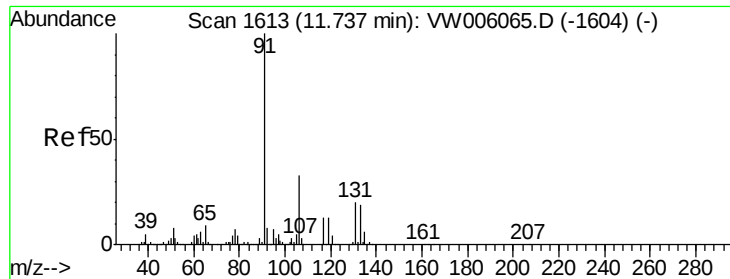
Tot Ion:112 Resp: 147836
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 61.111 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:131 Resp: 60210
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.3
119 64.7 31.6 94.7

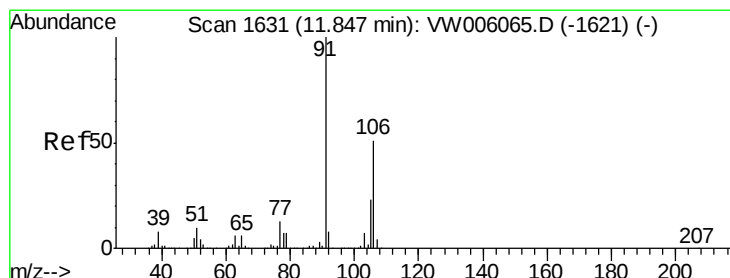
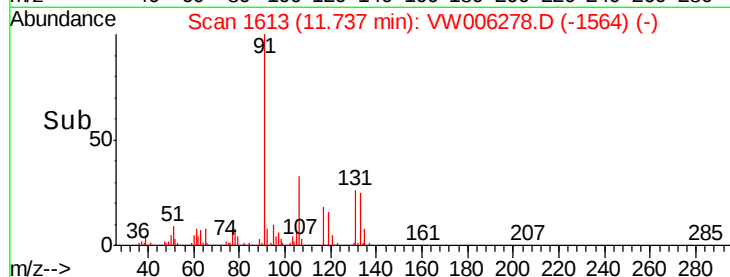
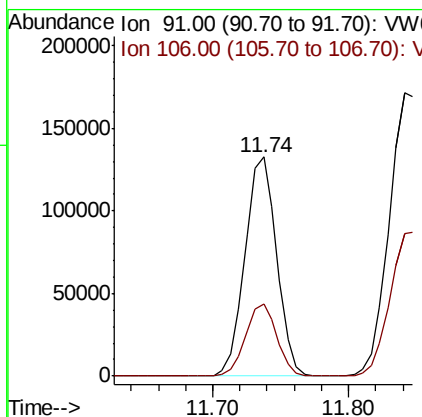
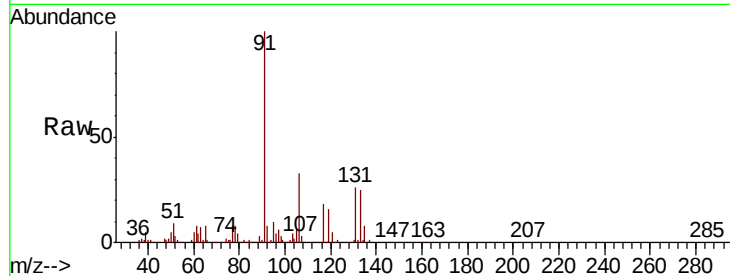




#67
Ethyl Benzene
Concen: 45.111 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

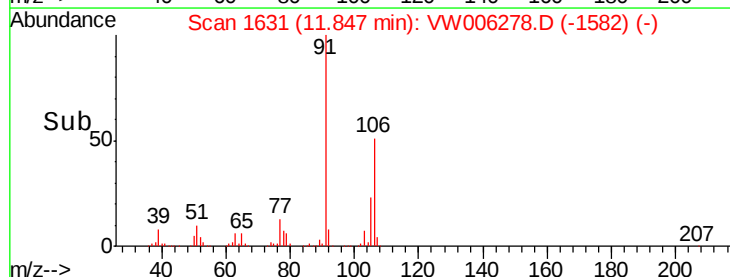
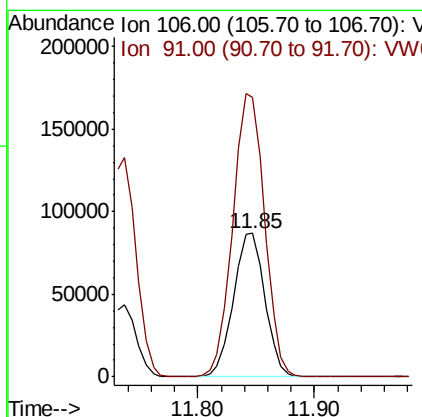
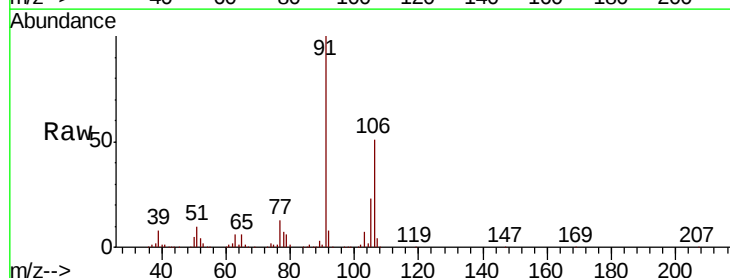
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

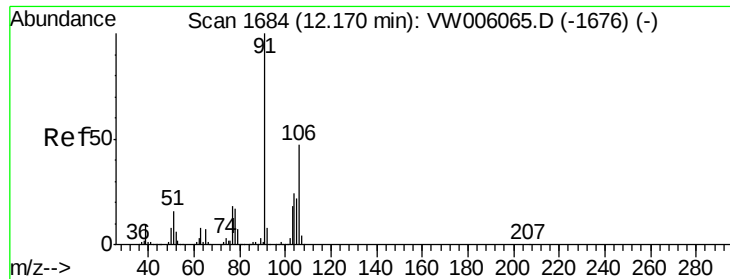
Tot Ion: 91 Resp: 216740
Ion Ratio Lower Upper
91 100
106 32.8 26.1 39.1



#68
m/p-Xylenes
Concen: 86.065 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion: 106 Resp: 163441
Ion Ratio Lower Upper
106 100
91 199.7 159.1 238.7

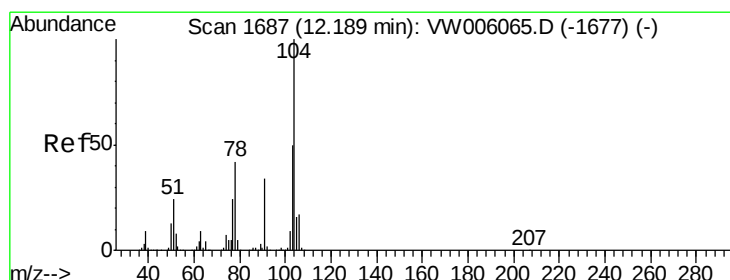
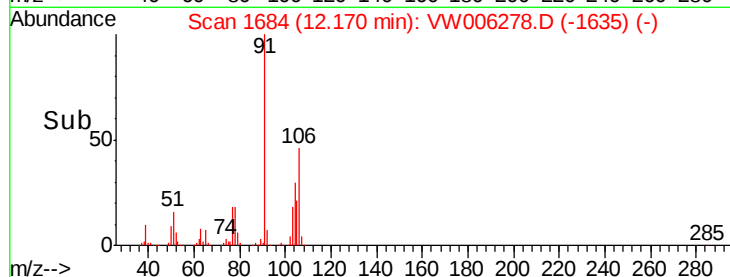
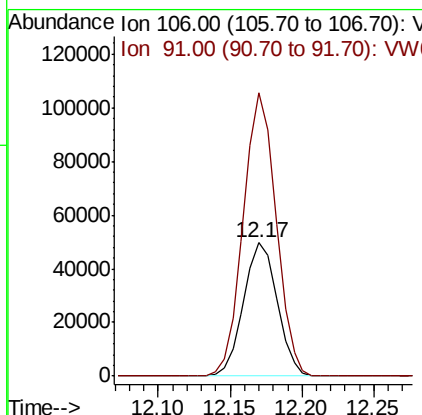
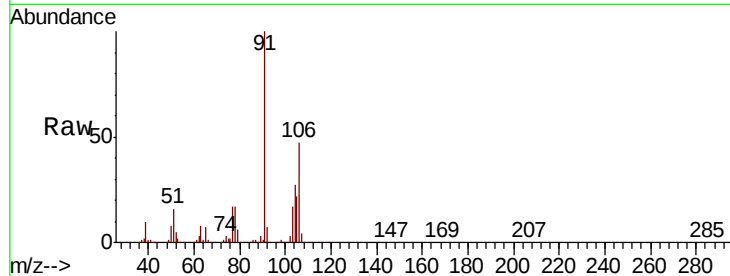




#69
o-Xylene
Concen: 44.367 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

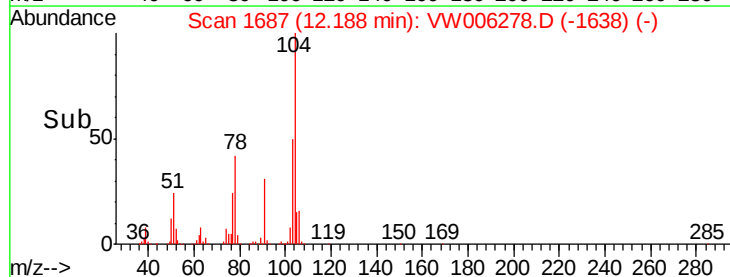
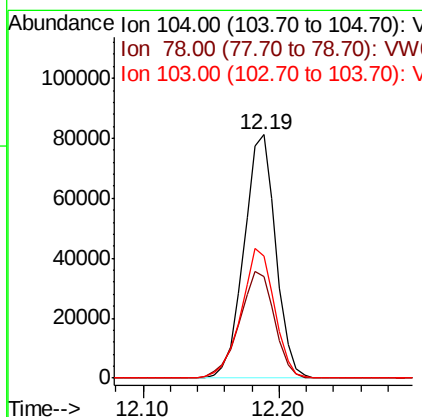
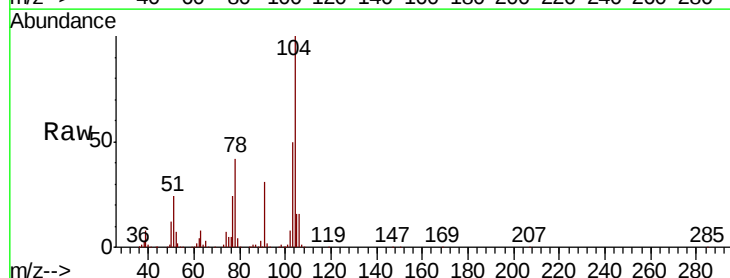
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion:106 Resp: 80298
Ion Ratio Lower Upper
106 100
91 208.2 105.4 316.1



#70
Styrene
Concen: 44.944 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:104 Resp: 132274
Ion Ratio Lower Upper
104 100
78 48.4 39.1 58.7
103 55.9 44.3 66.5





#71

Bromoform

Concen: 57.566 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

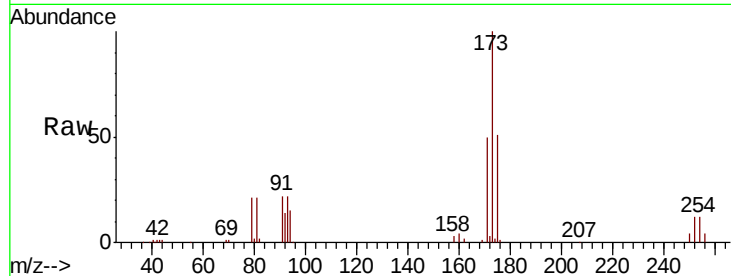
Tot Ion:173 Resp: 31635

Ion Ratio Lower Upper

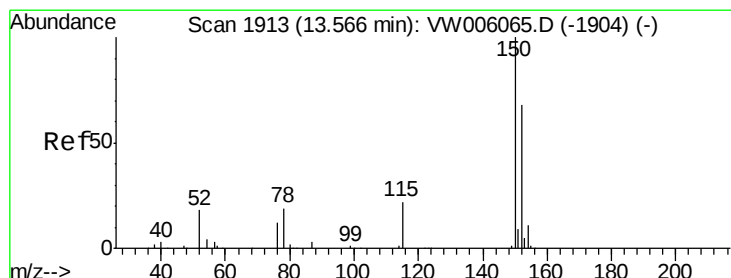
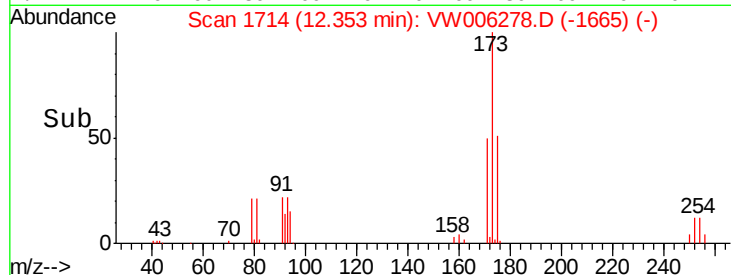
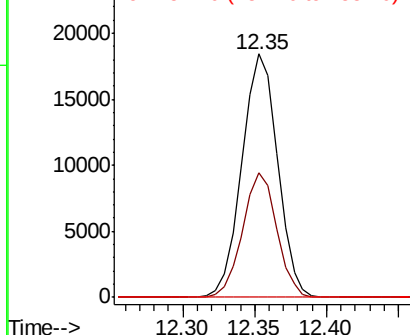
173 100

175 49.0 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: VW006278.D

Acq: 23 Oct 2018 04:55

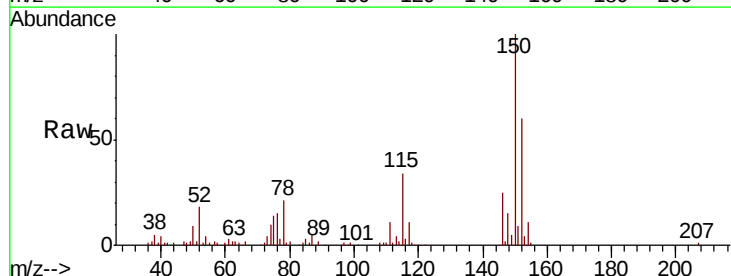
Tgt Ion:152 Resp: 33779

Ion Ratio Lower Upper

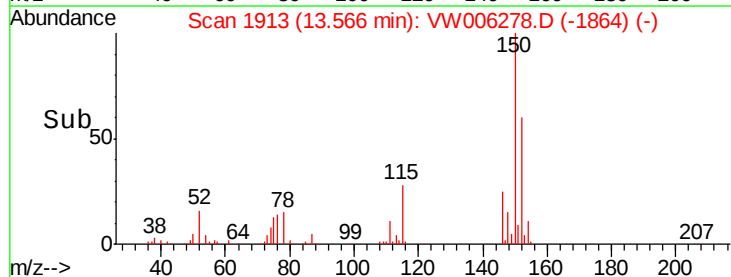
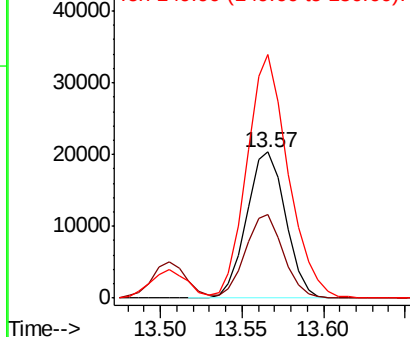
152 100

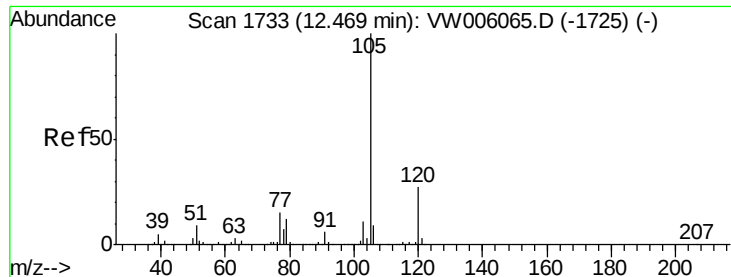
115 55.7 27.8 83.3

150 177.0 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: 71.067 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

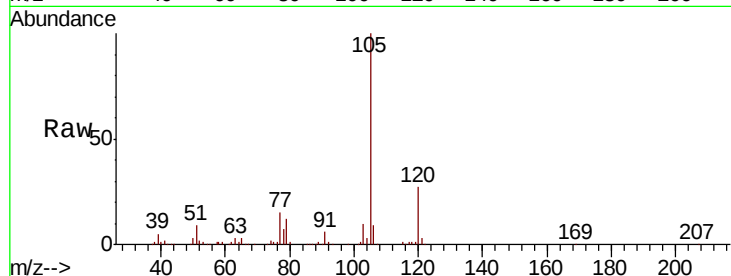
PA-SB-01BMS

Tot Ion:105 Resp: 169592

Ion Ratio Lower Upper

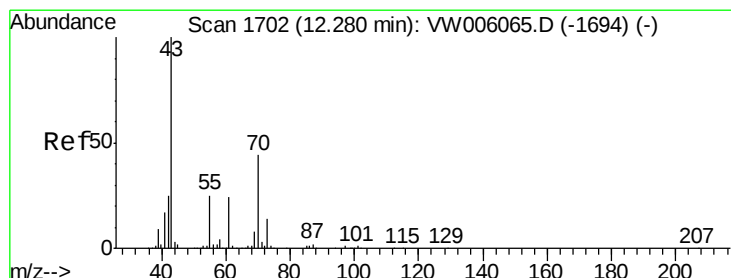
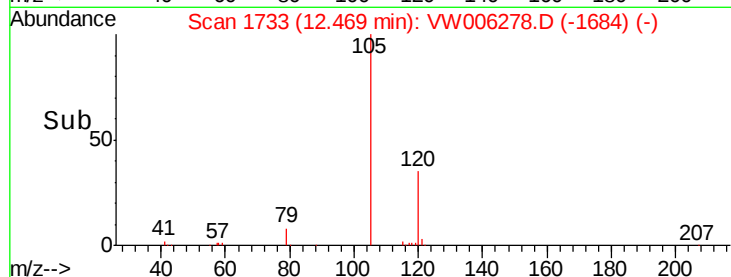
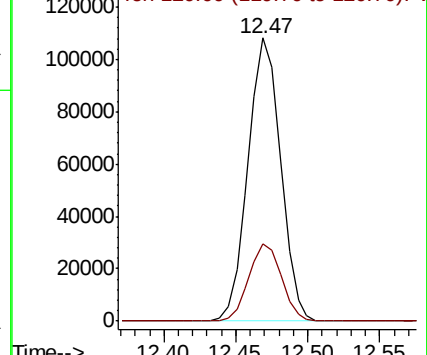
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 81.003 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Tgt Ion: 43 Resp: 37545

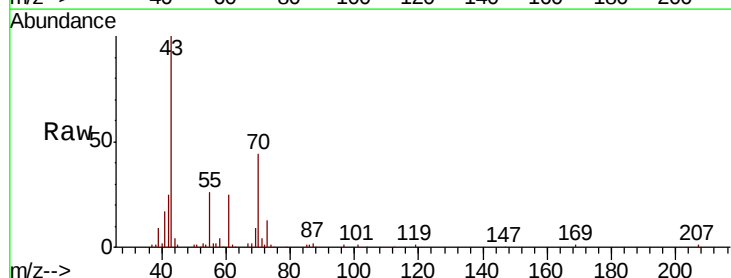
Ion Ratio Lower Upper

43 100

70 43.6 34.2 51.4

55 26.9 19.2 28.8

61 23.8 19.0 28.6

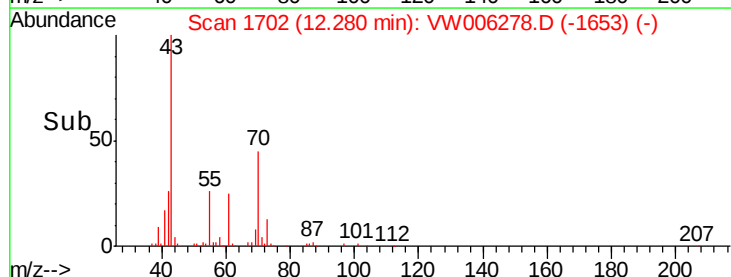
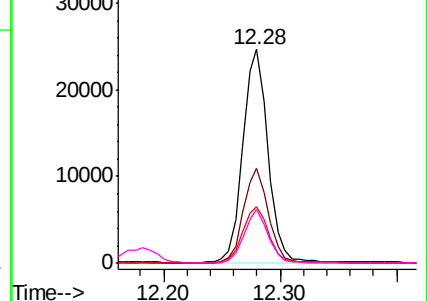


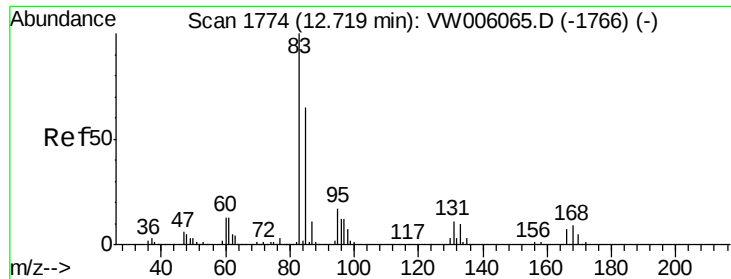
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 138.104 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

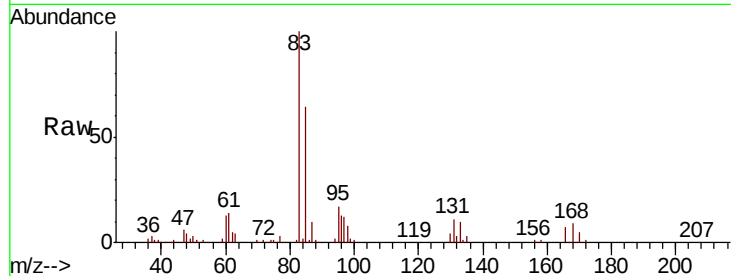
Tot Ion: 83 Resp: 50126

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

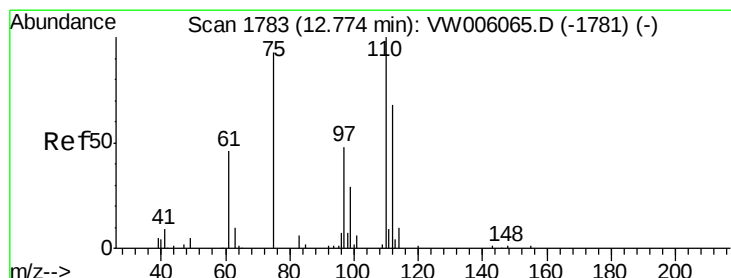
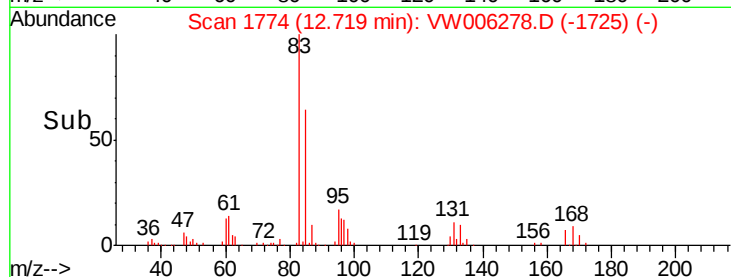
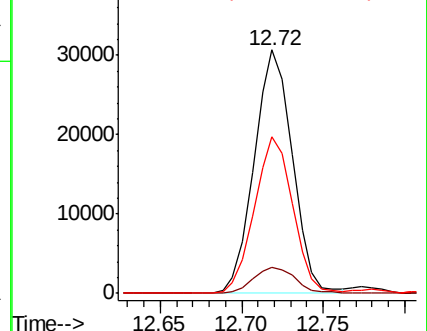
85 64.6 31.9 95.9



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: 252.406 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006278.D

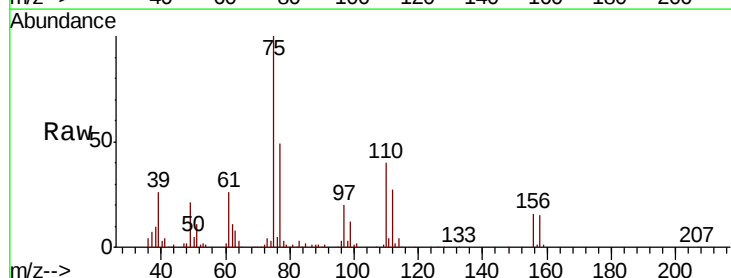
Acq: 23 Oct 2018 04:55

Tgt Ion: 75 Resp: 65122

Ion Ratio Lower Upper

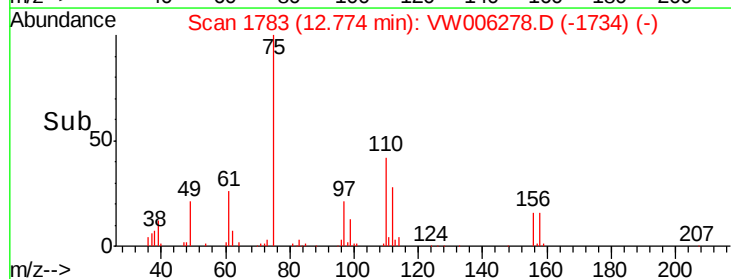
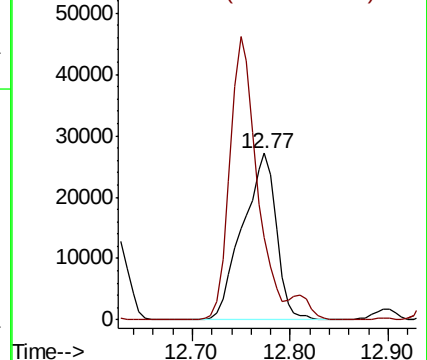
75 100

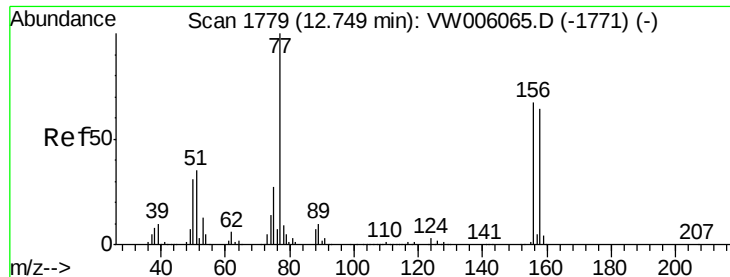
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 88.544 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

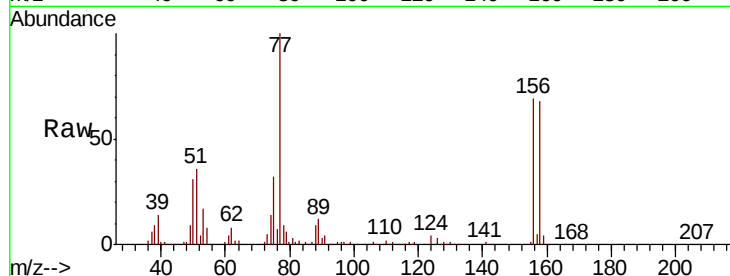
Tot Ion:156 Resp: 51754

Ion Ratio Lower Upper

156 100

77 173.8 79.1 237.4

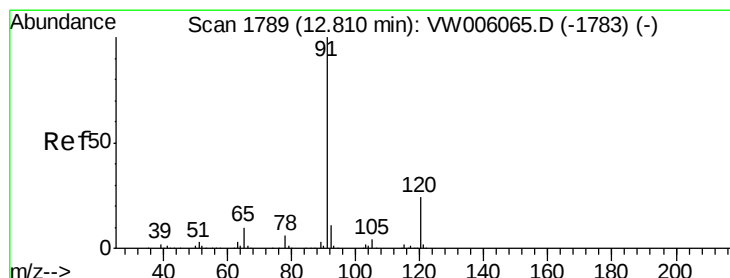
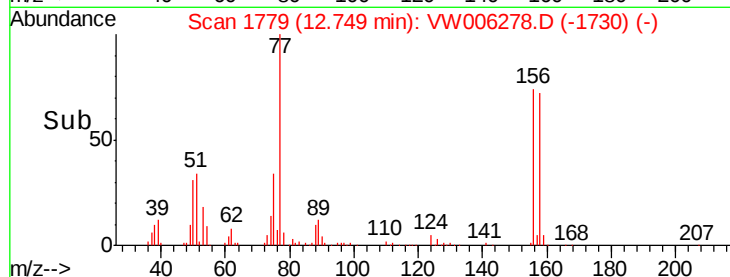
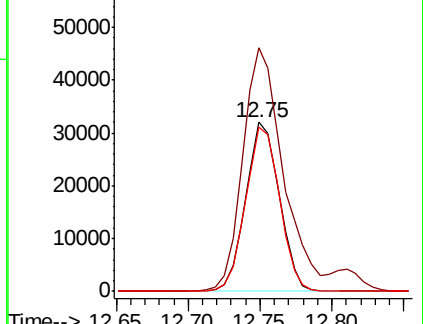
158 98.1 48.5 145.6



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: 58.489 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006278.D

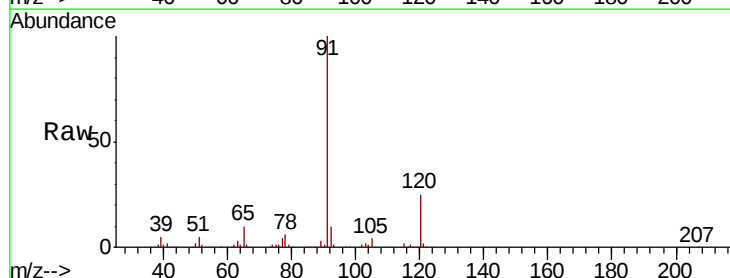
Acq: 23 Oct 2018 04:55

Tgt Ion: 91 Resp: 162386

Ion Ratio Lower Upper

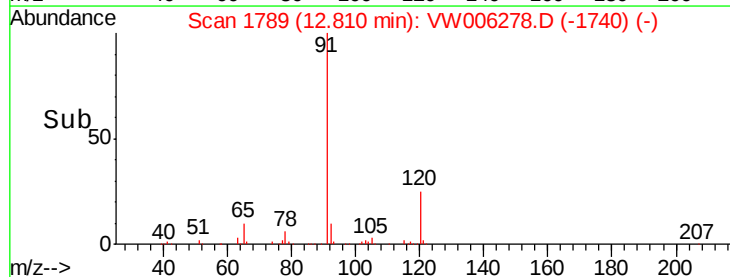
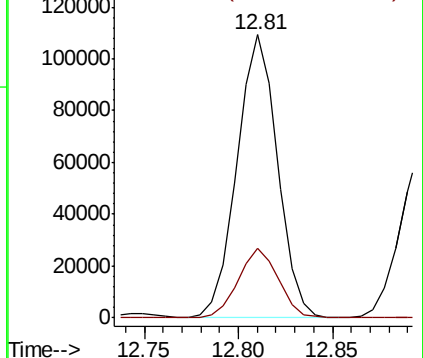
91 100

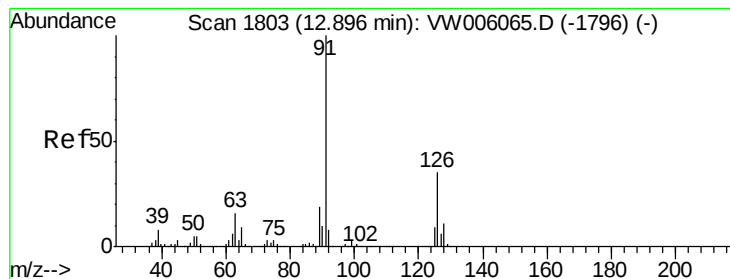
120 24.3 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 65.065 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

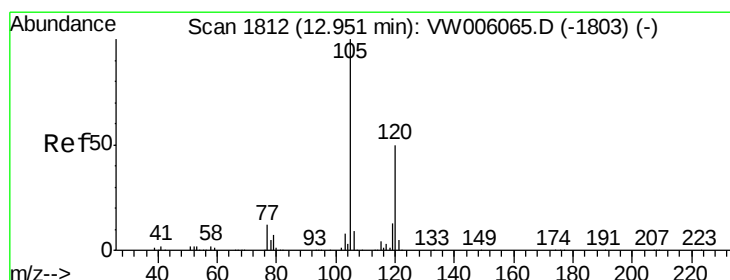
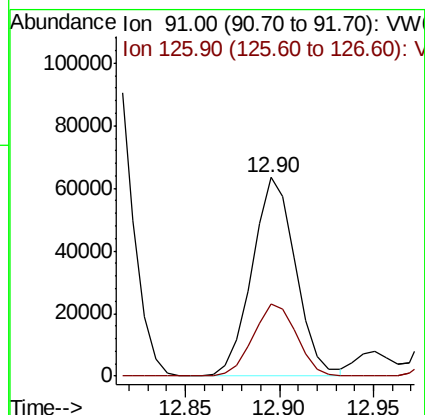
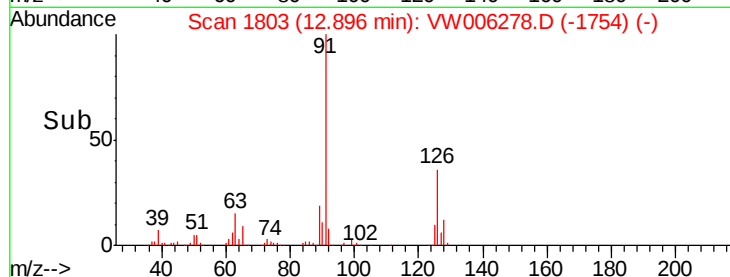
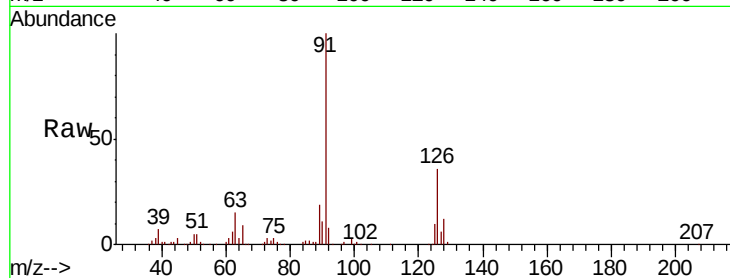
PA-SB-01BMS

Tot Ion: 91 Resp: 101496

Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 57.128 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006278.D

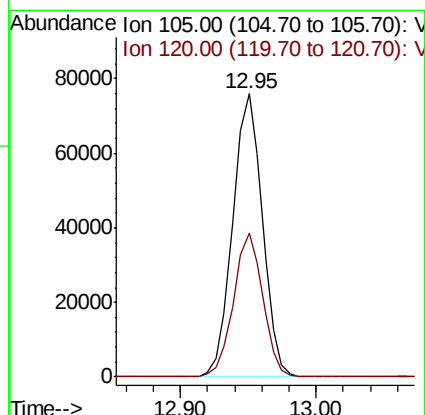
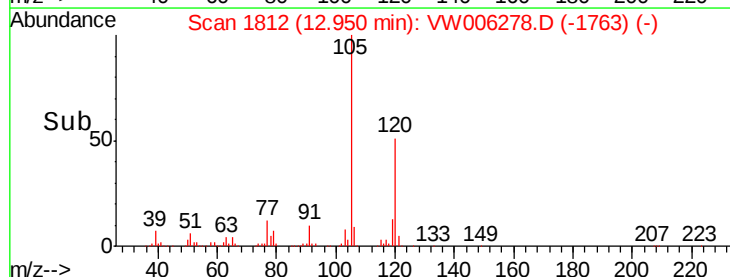
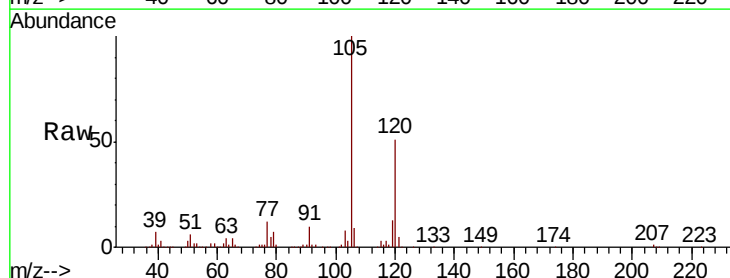
Acq: 23 Oct 2018 04:55

Tgt Ion:105 Resp: 114928

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 129.570 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

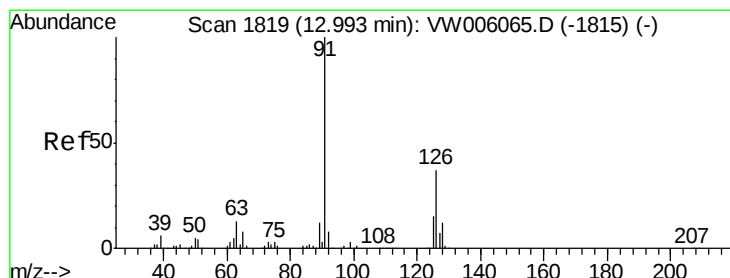
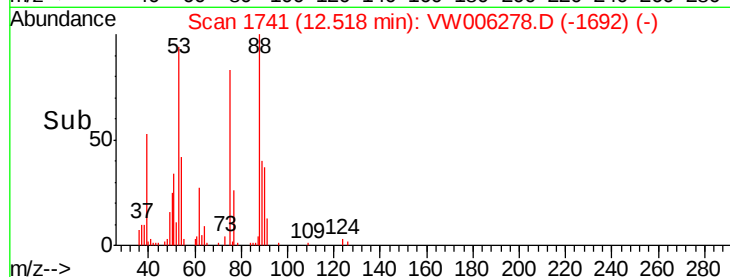
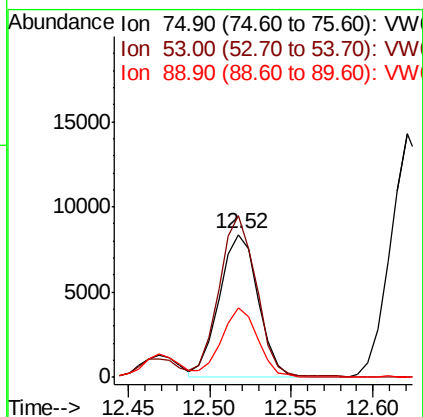
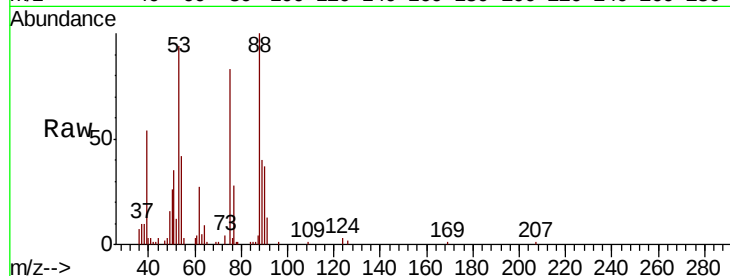
Tot Ion: 75 Resp: 13985

Ion Ratio Lower Upper

75 100

53 109.1 79.8 119.6

89 44.8 37.5 56.3



#82

4-Chlorotoluene

Concen: 64.150 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006278.D

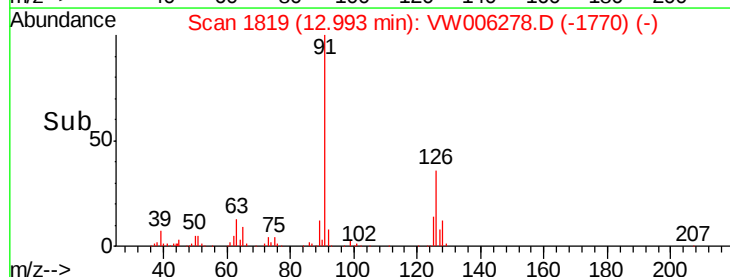
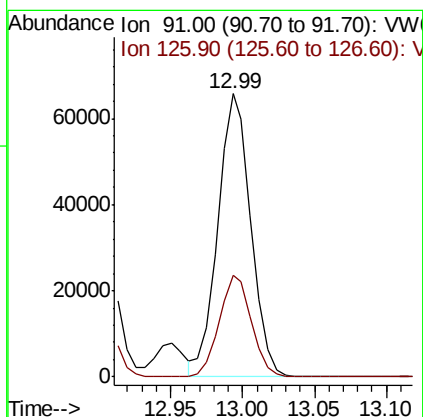
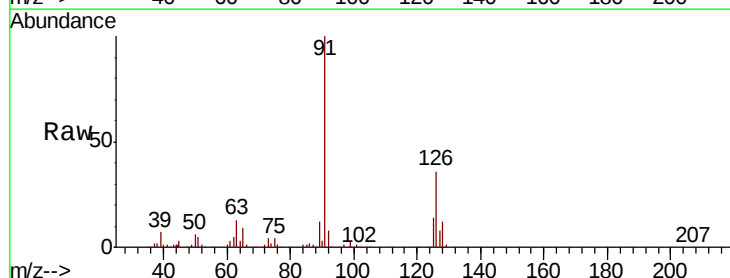
Acq: 23 Oct 2018 04:55

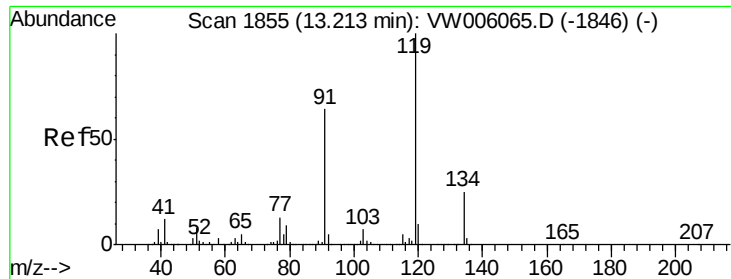
Tgt Ion: 91 Resp: 104825

Ion Ratio Lower Upper

91 100

126 35.4 18.1 54.3

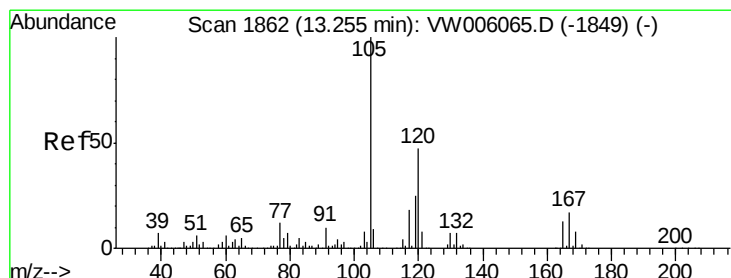
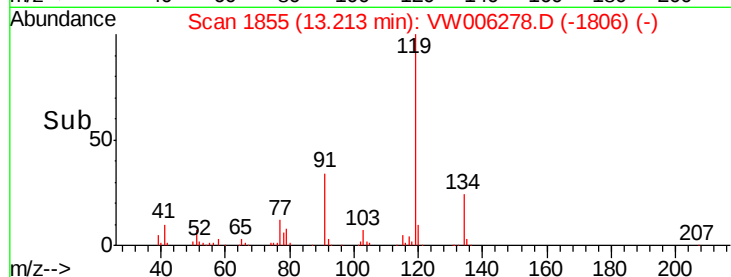
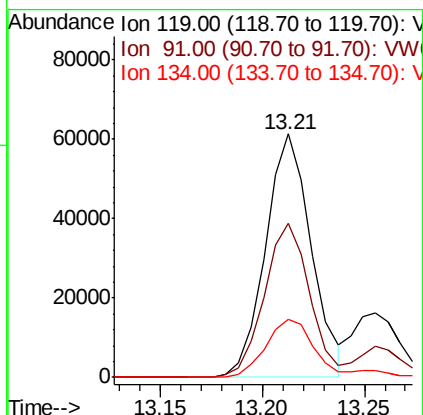
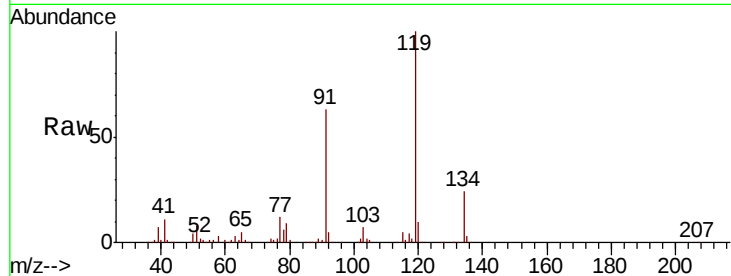




#83
tert-Butylbenzene
Concen: 53.248 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

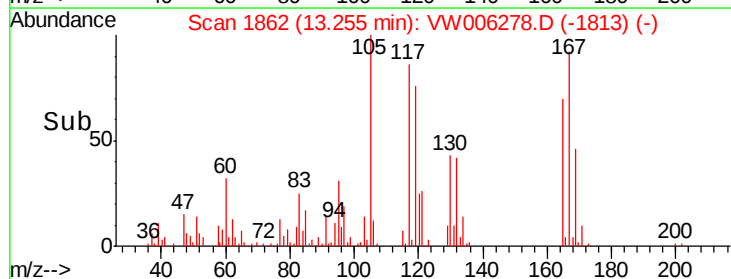
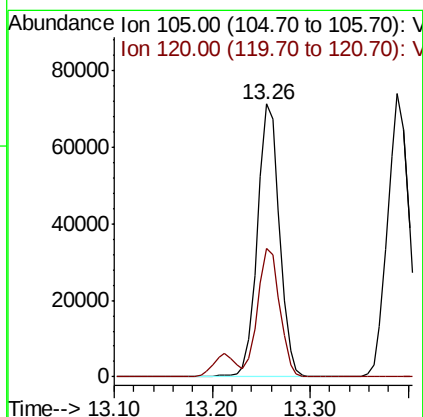
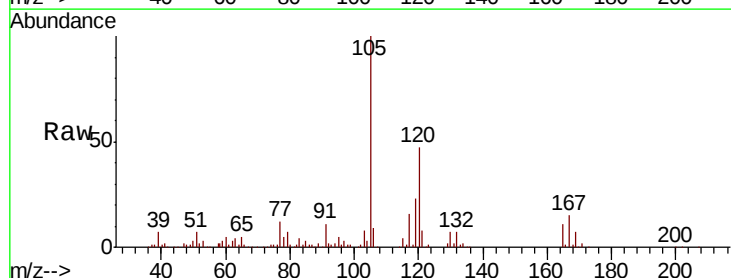
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

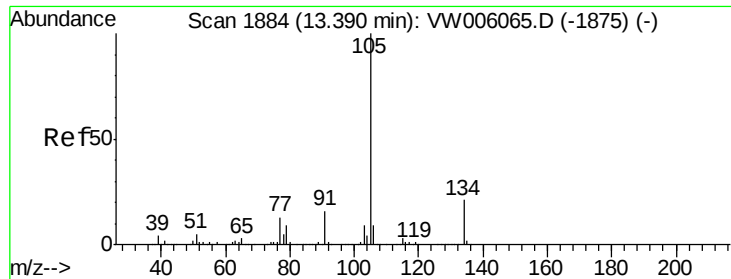
Tot Ion:119 Resp: 95842
Ion Ratio Lower Upper
119 100
91 62.4 32.3 96.9
134 25.1 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 54.916 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:105 Resp: 111794
Ion Ratio Lower Upper
105 100
120 46.8 23.1 69.3





#85

sec-Butylbenzene

Concen: 44.301 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

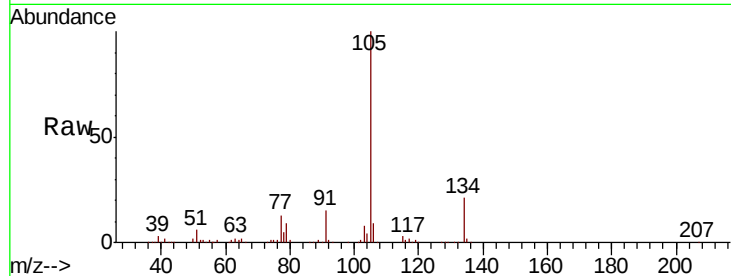
PA-SB-01BMS

Tot Ion:105 Resp: 112649

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

80000

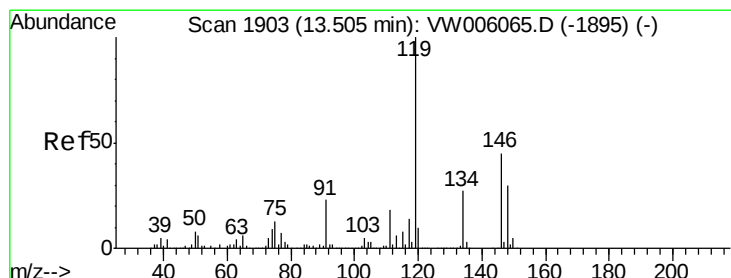
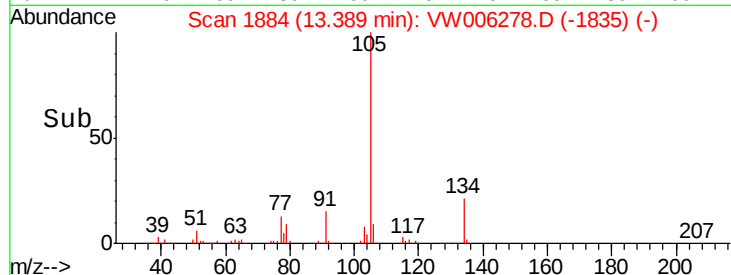
60000

40000

20000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 41.594 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

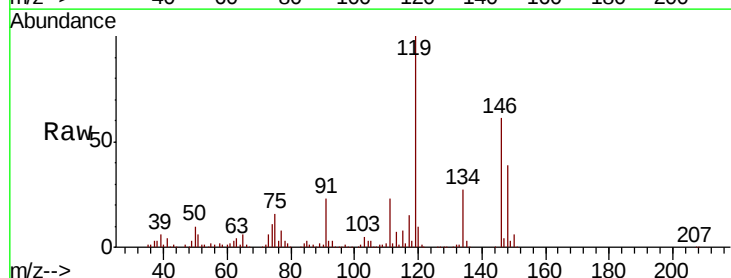
Tgt Ion:119 Resp: 95667

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 23.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

80000

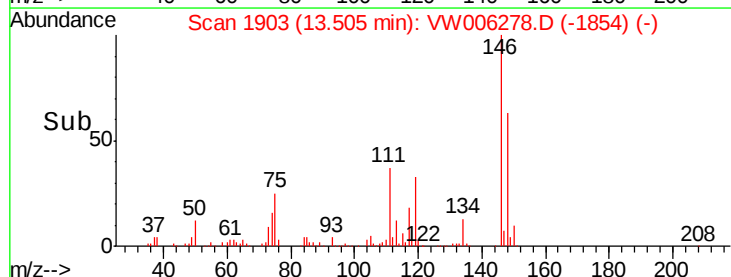
60000

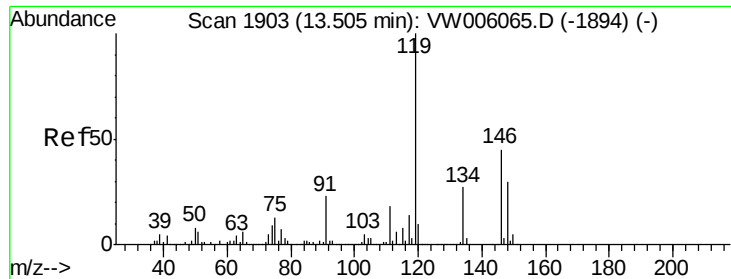
40000

20000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 52.342 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

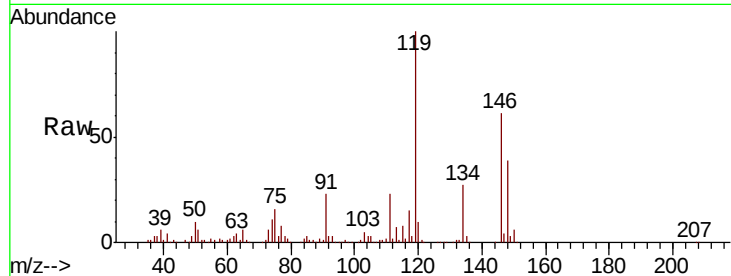
Tot Ion:146 Resp: 60887

Ion Ratio Lower Upper

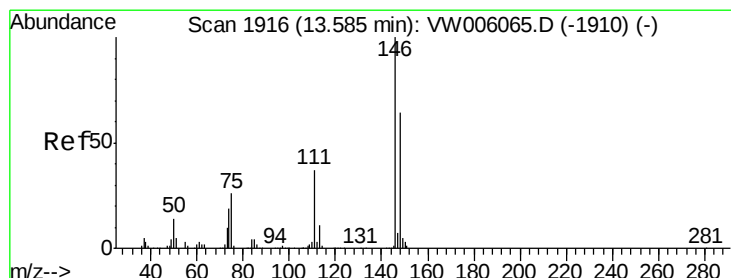
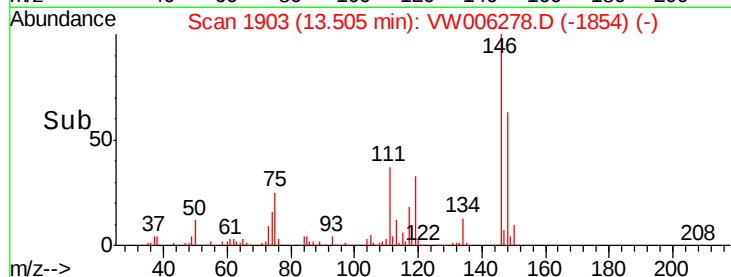
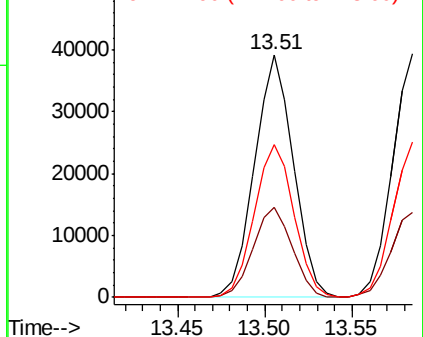
146 100

111 37.4 19.1 57.5

148 64.1 32.0 96.2



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



#88

1,4-Dichlorobenzene

Concen: 52.692 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

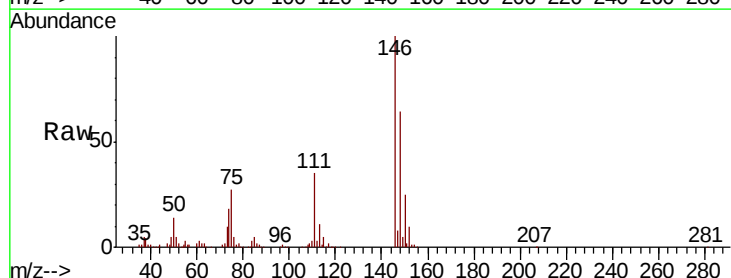
Tgt Ion:146 Resp: 61029

Ion Ratio Lower Upper

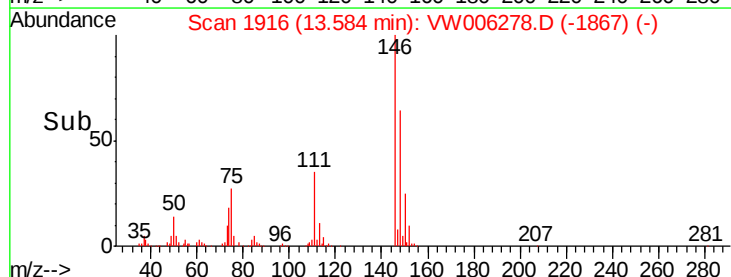
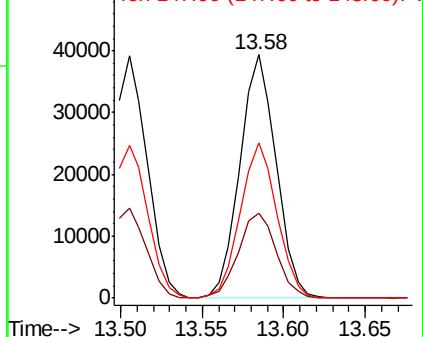
146 100

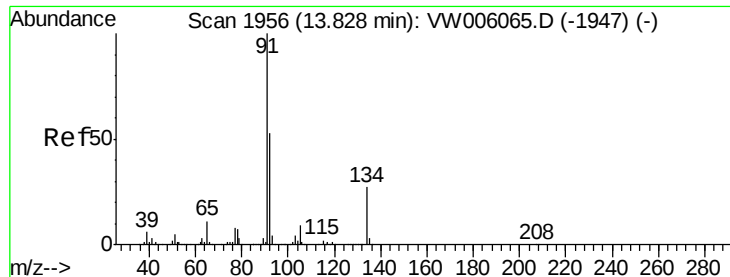
111 36.7 18.6 56.0

148 64.5 32.1 96.5



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





#89

n-Butylbenzene

Concen: 32.863 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

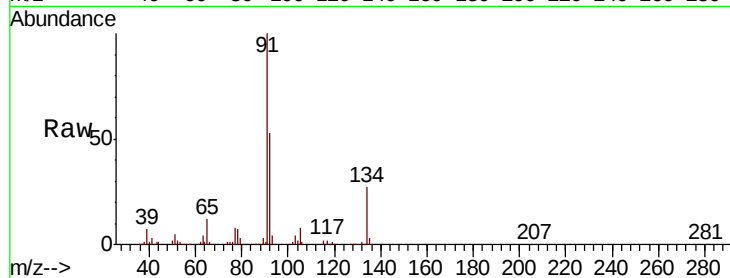
Tot Ion: 91 Resp: 69125

Ion Ratio Lower Upper

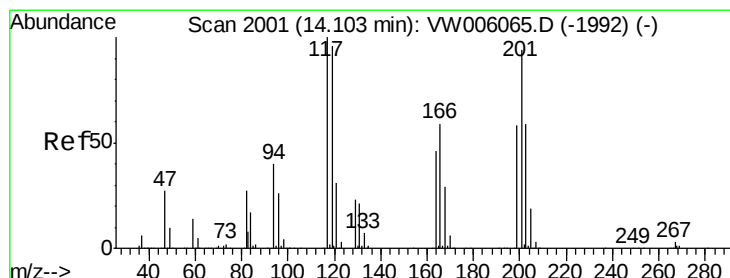
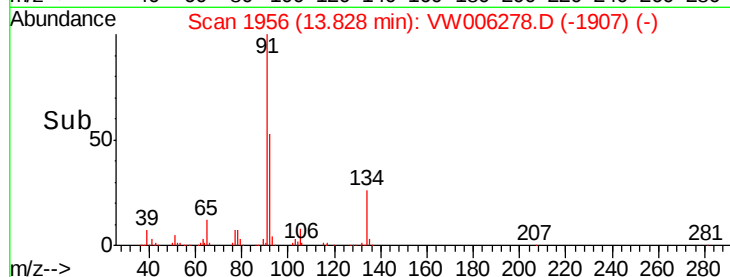
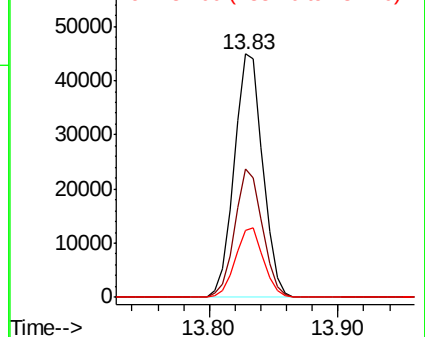
91 100

92 51.0 26.6 79.7

134 28.0 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: 36.837 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006278.D

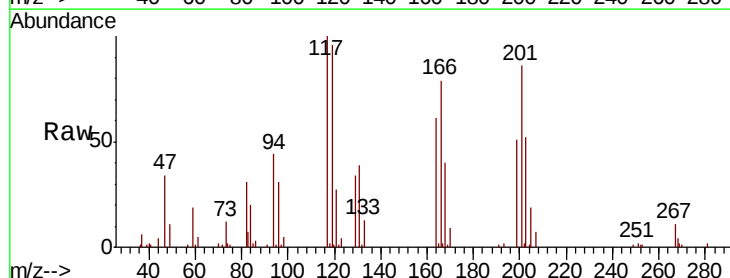
Acq: 23 Oct 2018 04:55

Tgt Ion: 117 Resp: 14351

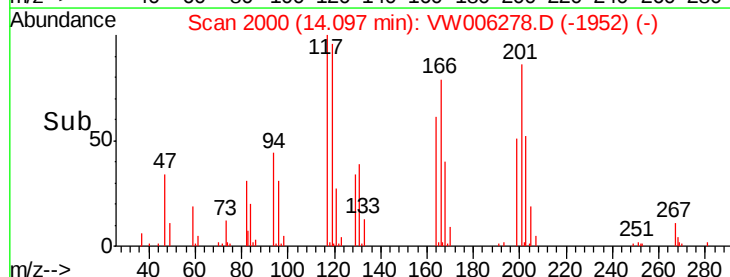
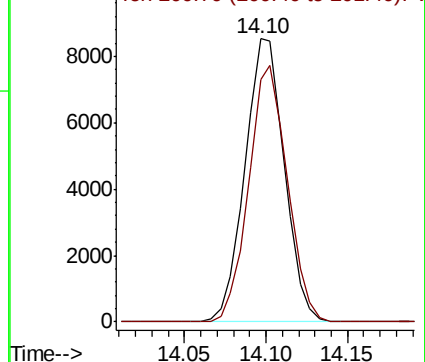
Ion Ratio Lower Upper

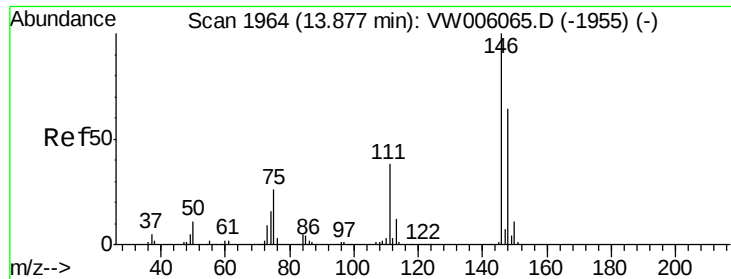
117 100

201 88.4 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: 54.988 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMS

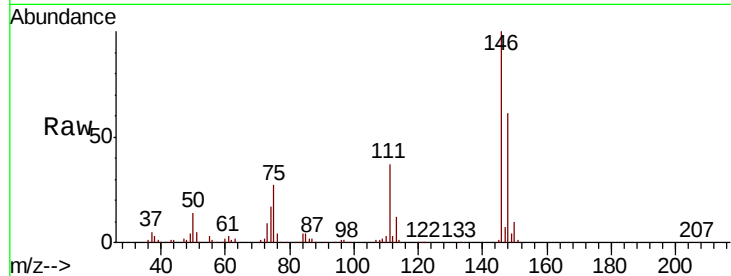
Tot Ion:146 Resp: 57057

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

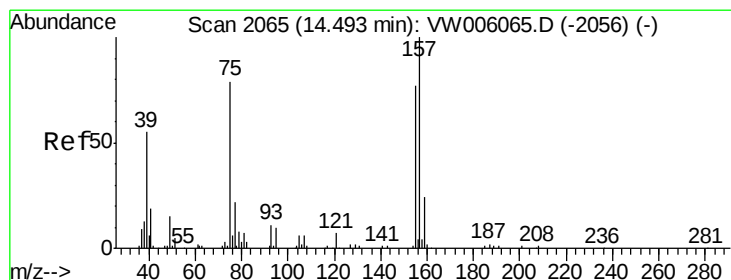
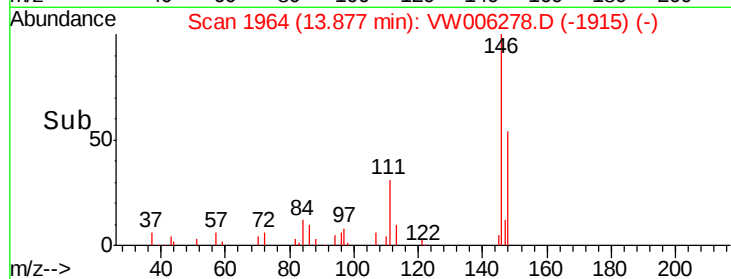
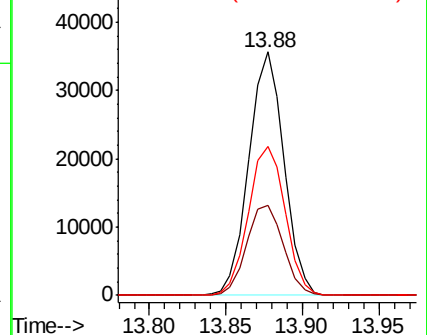
148 64.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 100.363 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW006278.D

Acq: 23 Oct 2018 04:55

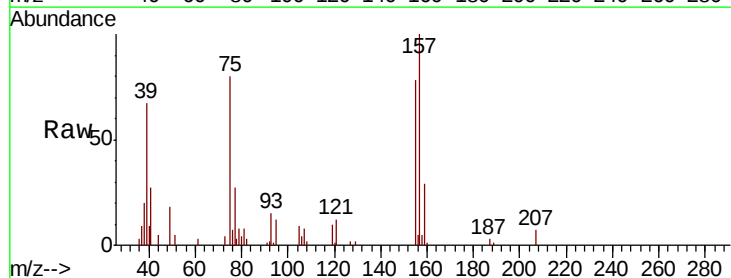
Tgt Ion: 75 Resp: 6522

Ion Ratio Lower Upper

75 100

155 96.1 46.5 139.5

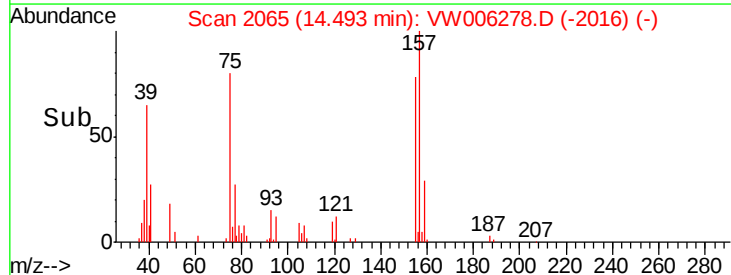
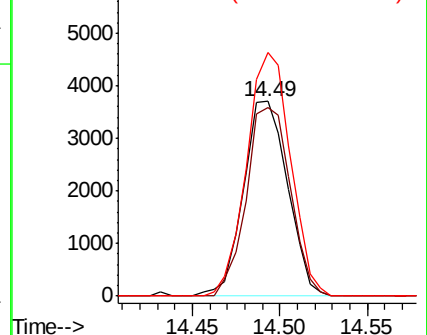
157 124.0 59.8 179.4

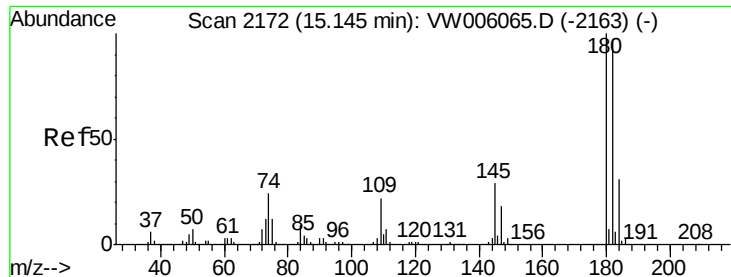


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

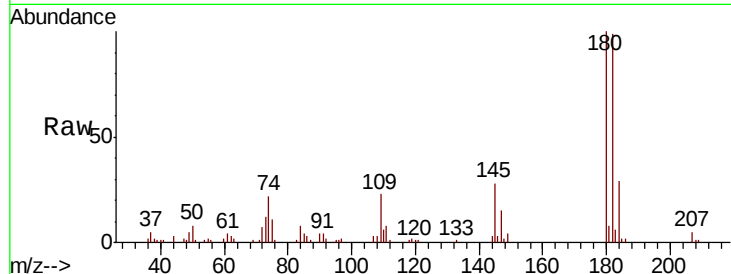




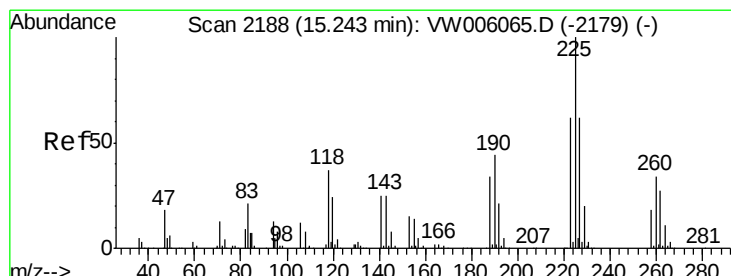
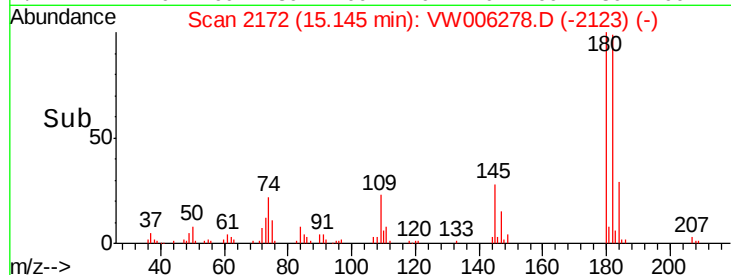
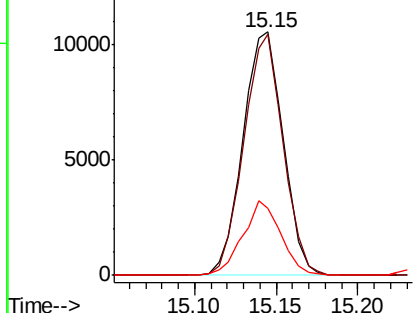
#93
 1,2,4-Trichlorobenzene
 Concen: 22.618 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.6
145	29.0	14.2	42.8

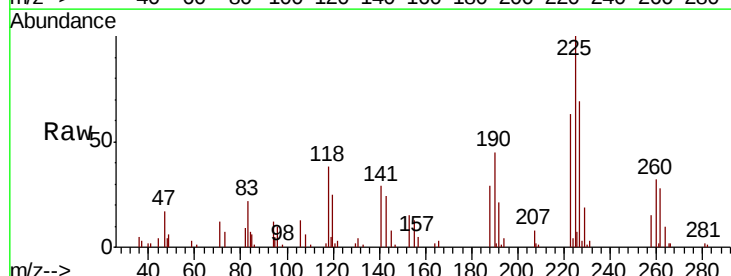


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

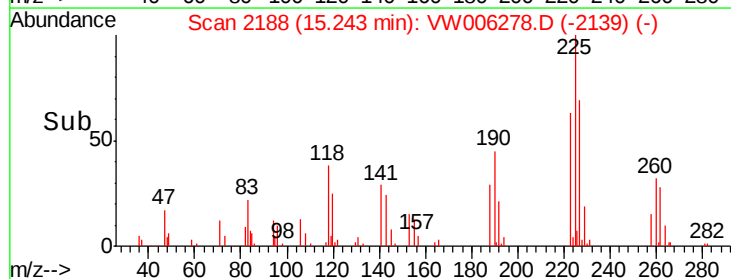
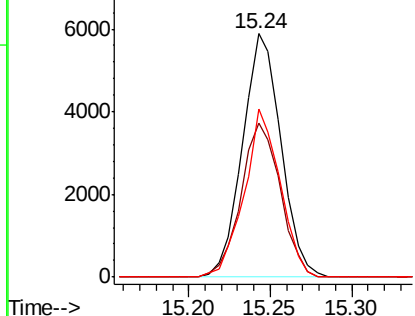


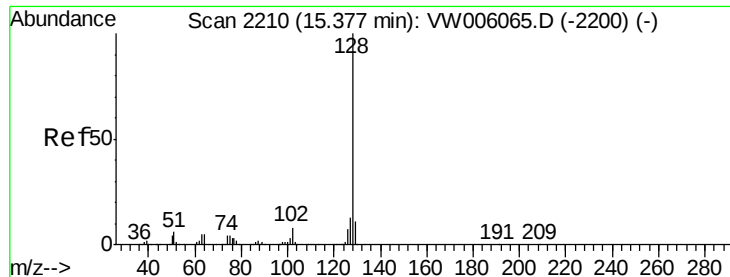
#94
 Hexachlorobutadiene
 Concen: 19.291 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006278.D
 Acq: 23 Oct 2018 04:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.1	93.5
227	64.4	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

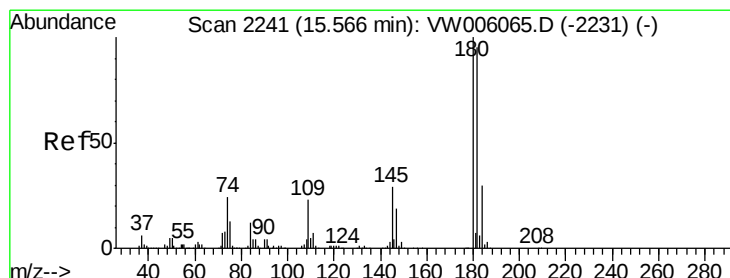
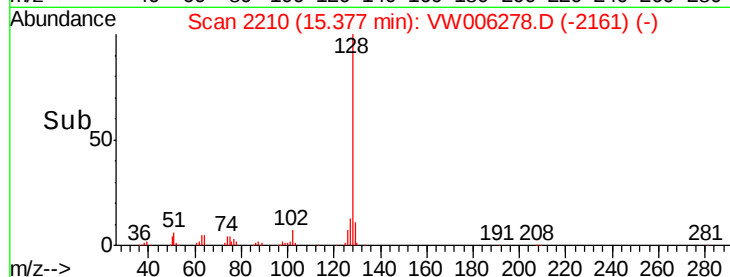
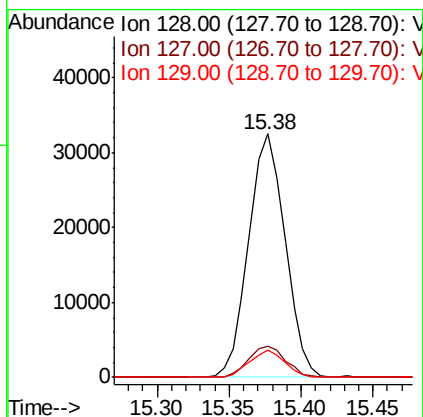
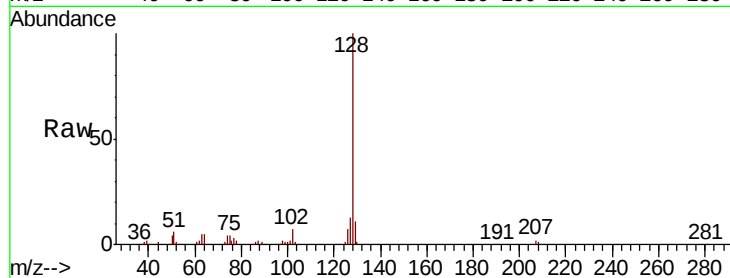




#95
Naphthalene
Concen: 43.104 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMS

Tot Ion:128 Resp: 57248
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.618 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006278.D
Acq: 23 Oct 2018 04:55

Tgt Ion:180 Resp: 15619
Ion Ratio Lower Upper
180 100
182 96.4 47.8 143.3
145 28.8 15.0 45.1

