

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102218\
 Data File : VW006279.D
 Acq On : 23 Oct 2018 05:21
 Operator : VA/AP
 Sample : J5626-03MSD
 Misc : 3.49G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

Quant Time: Oct 23 07:05:39 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	143571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	216865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	138804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	38410	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	78787	66.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.38%	
35) Dibromofluoromethane	7.88	113	73753	57.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.10%	
50) Toluene-d8	10.33	98	204578	41.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.92%	
62) 4-Bromofluorobenzene	12.62	95	48868	26.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	53.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	43750	61.579	ug/l	99
3) Chloromethane	2.21	50	59981	65.586	ug/l	98
4) Vinyl Chloride	2.37	62	88883	68.055	ug/l	99
5) Bromomethane	2.79	94	82734	69.647	ug/l	97
6) Chloroethane	2.93	64	64134	68.522	ug/l	97
7) Trichlorofluoromethane	3.26	101	63701	52.356	ug/l	93
8) Diethyl Ether	3.68	74	50501	78.100	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	67709	53.103	ug/l	98
10) Methyl Iodide	4.27	142	145030	68.339	ug/l	99
11) Tert butyl alcohol	5.22	59	30755	384.189	ug/l	98
12) 1,1-Dichloroethene	4.03	96	73827	61.544	ug/l	92
13) Acrolein	3.90	56	15583	201.173	ug/l	98
14) Allyl chloride	4.67	41	111990	65.292	ug/l	99
15) Acrylonitrile	5.37	53	106832	460.632	ug/l	99
16) Acetone	4.14	43	98473	453.002	ug/l	100
17) Carbon Disulfide	4.38	76	186111	51.406	ug/l	99
18) Methyl Acetate	4.68	43	101482	169.418	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	154601	84.616	ug/l	97
20) Methylene Chloride	4.91	84	104279	83.901	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	87329	65.221	ug/l	97
22) Diisopropyl ether	6.32	45	261189	77.058	ug/l	96
23) Vinyl Acetate	6.26	43	167064	83.518	ug/l	99
24) 1,1-Dichloroethane	6.21	63	153079	69.991	ug/l	99
25) 2-Butanone	7.18	43	137994	429.148	ug/l	98
26) 2,2-Dichloropropane	7.17	77	81164	52.616	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	99203	67.138	ug/l	98
28) Bromochloromethane	7.51	49	61276	72.571	ug/l	95
29) Tetrahydrofuran	7.54	42	89268	451.643	ug/l	99
30) Chloroform	7.68	83	160969	67.552	ug/l	97
31) Cyclohexane	7.95	56	75984	34.886	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	122695	57.081	ug/l	99
36) 1,1-Dichloropropene	8.09	75	97695	48.875	ug/l	100
37) Ethyl Acetate	7.26	43	46274	62.308	ug/l	99
38) Carbon Tetrachloride	8.07	117	104535	47.705	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	61613	23.188	ug/l	98
40) Benzene	8.32	78	328890	59.982	ug/l	99
41) Methacrylonitrile	7.49	41	35355	78.969	ug/l	91
42) 1,2-Dichloroethane	8.40	62	114990	71.381	ug/l	99
43) Isopropyl Acetate	8.43	43	103340	68.055	ug/l	100
44) Trichloroethene	9.09	130	82380	48.971	ug/l	99
45) 1,2-Dichloropropane	9.37	63	80890	61.651	ug/l	96
46) Dibromomethane	9.46	93	51345	68.660	ug/l	99
47) Bromodichloromethane	9.65	83	103283	56.967	ug/l	97
48) Methyl methacrylate	9.44	41	66186	91.953	ug/l	98
49) 1,4-Dioxane	9.47	88	18163	1577.693	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	303237	398.568	ug/l	98
52) Toluene	10.39	92	171008	46.520	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	98738	54.661	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	117547	56.699	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	66513	63.558	ug/l	98
56) Ethyl methacrylate	10.65	69	76027	59.261	ug/l	98
57) 1,3-Dichloropropane	10.93	76	110057	63.530	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	155803	317.827	ug/l	99
59) 2-Hexanone	10.97	43	201484	370.990	ug/l	98
60) Dibromochloromethane	11.13	129	69344	53.198	ug/l	98
61) 1,2-Dibromoethane	11.24	107	64155	61.355	ug/l	100
64) Tetrachloroethene	10.87	164	55548	51.551	ug/l	97
65) Chlorobenzene	11.66	112	164843	55.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	67090	63.534	ug/l	98
67) Ethyl Benzene	11.74	91	243898	47.363	ug/l	100
68) m/p-Xylenes	11.84	106	184088	90.445	ug/l	100
69) o-Xylene	12.17	106	91234	47.034	ug/l	99
70) Styrene	12.18	104	150084	47.581	ug/l	100
71) Bromoform	12.35	173	38374	65.152	ug/l #	99
73) Isopropylbenzene	12.47	105	192772	71.041	ug/l	100
74) N-amyl acetate	12.28	43	45643	86.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	63288	153.344	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	79890	272.312	ug/l #	100
77) Bromobenzene	12.75	156	59961	90.216	ug/l	91
78) n-propylbenzene	12.81	91	187203	59.298	ug/l	99
79) 2-Chlorotoluene	12.90	91	116327	65.581	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	129333	56.537	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	17466	142.311	ug/l	96
82) 4-Chlorotoluene	12.99	91	119286	64.198	ug/l	99
83) tert-Butylbenzene	13.21	119	111384	54.421	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	129021	55.737	ug/l	99
85) sec-Butylbenzene	13.39	105	126019	43.583	ug/l	100
86) p-Isopropyltoluene	13.51	119	106834	40.849	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	68660	51.907	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	70872	53.813	ug/l	99
89) n-Butylbenzene	13.83	91	75560	31.591	ug/l	99
90) Hexachloroethane	14.10	117	16035	36.197	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	66058	55.987	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8612	116.546	ug/l	98

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QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

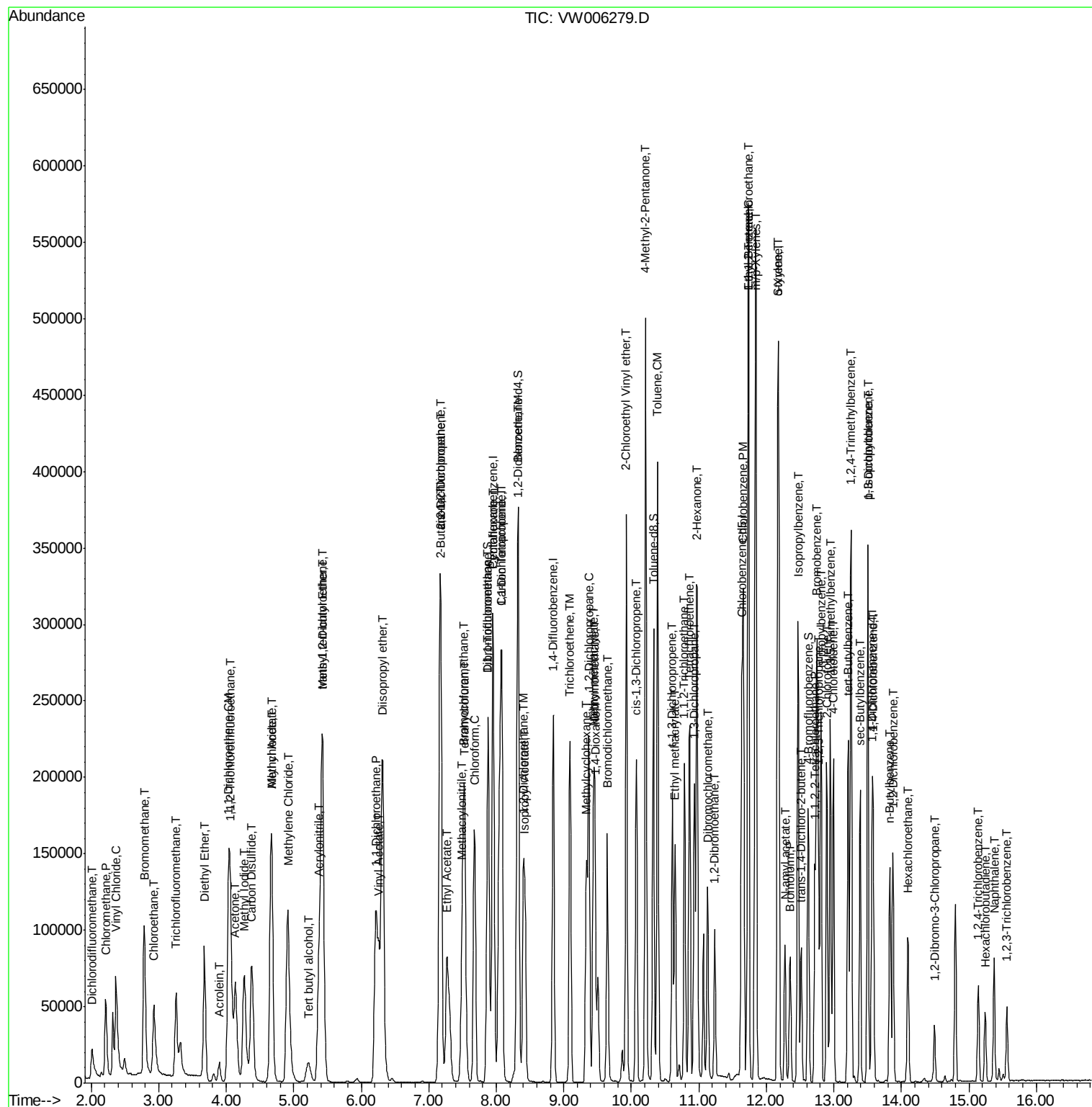
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	21190	23.341	ug/l	99
94) Hexachlorobutadiene	15.24	225	9447	16.565	ug/l	99
95) Naphthalene	15.38	128	71179	47.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	18054	22.992	ug/l	98

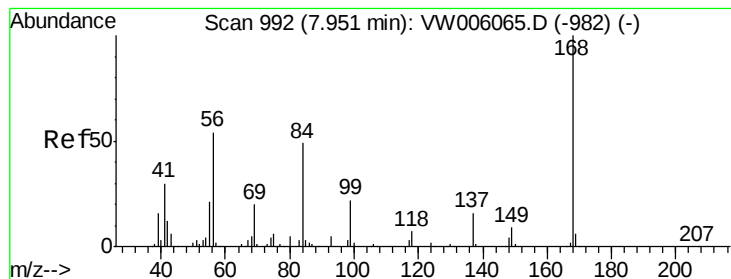
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

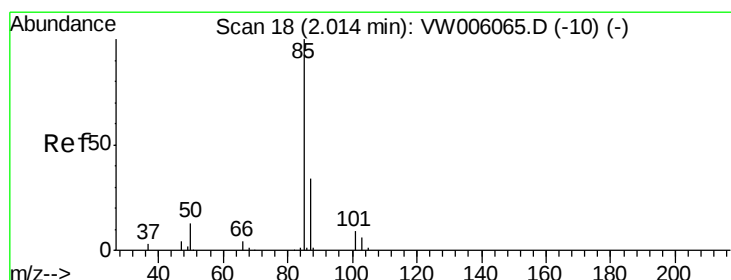
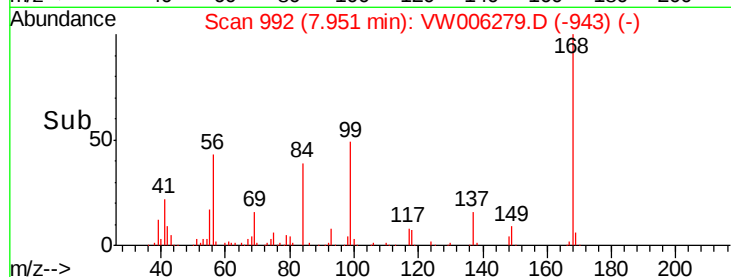
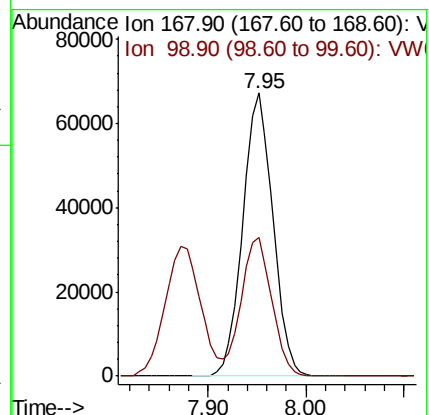
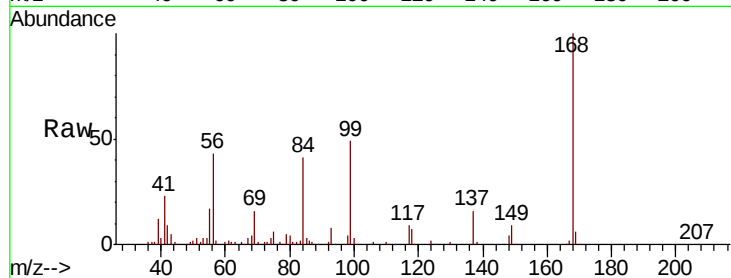
PA-SB-01BMSD

Tot Ion:168 Resp: 143571

Ion Ratio Lower Upper

168 100

99 49.1 39.9 59.9



#2

Dichlorodifluoromethane

Concen: 61.579 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006279.D

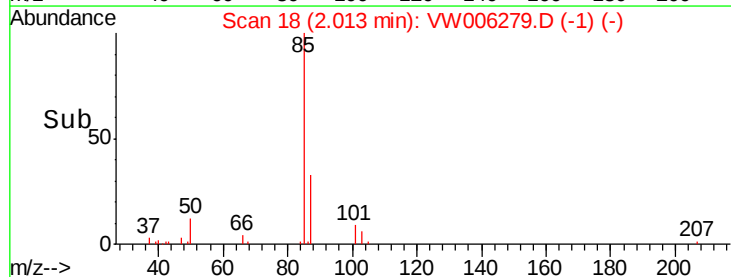
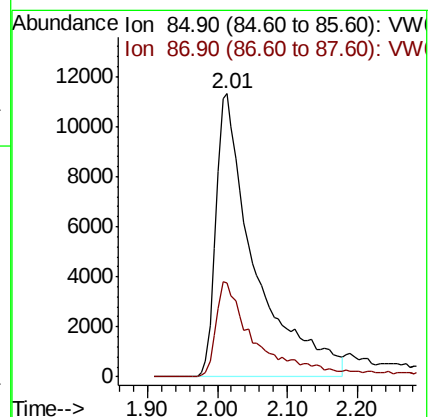
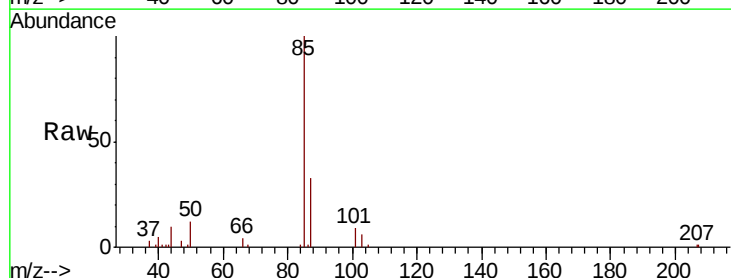
Acq: 23 Oct 2018 05:21

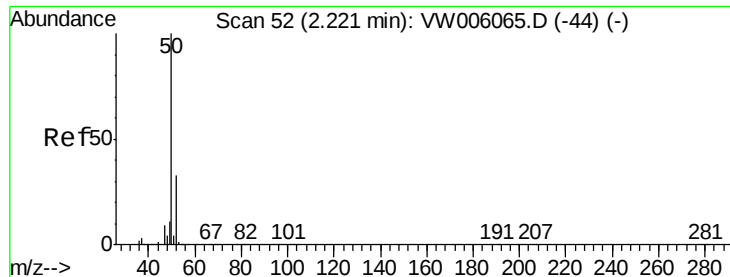
Tgt Ion: 85 Resp: 43750

Ion Ratio Lower Upper

85 100

87 33.3 16.9 50.6

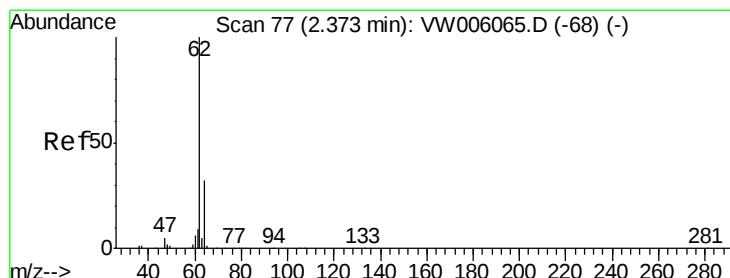
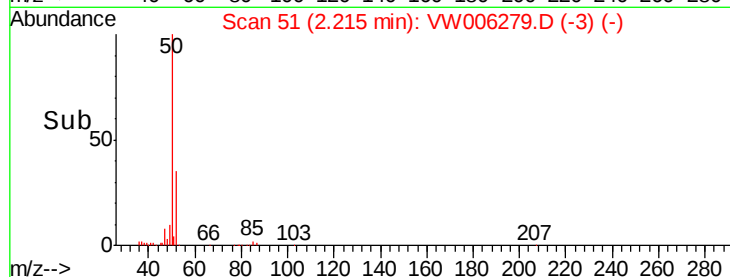
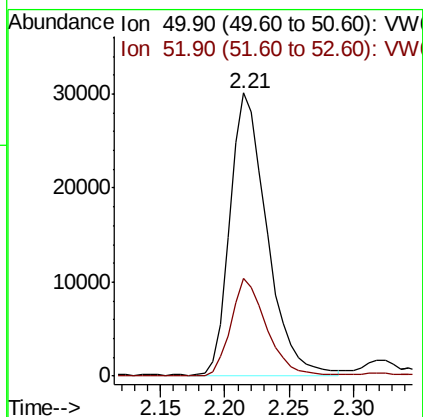
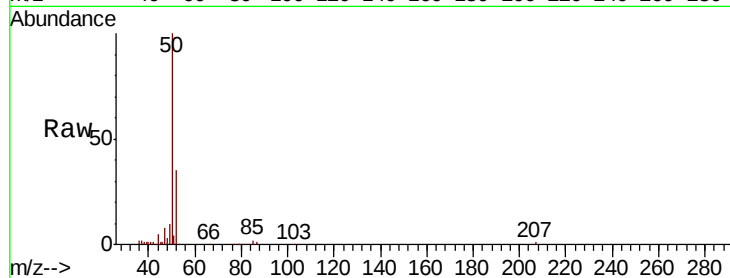




#3
Chloromethane
Concen: 65.586 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

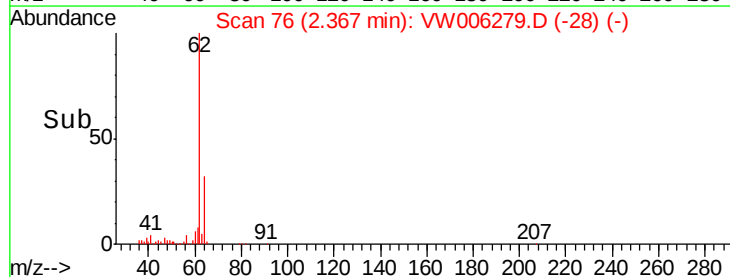
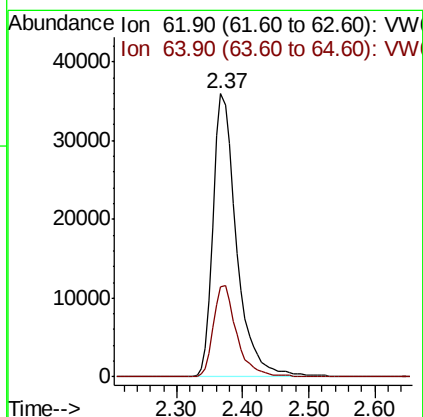
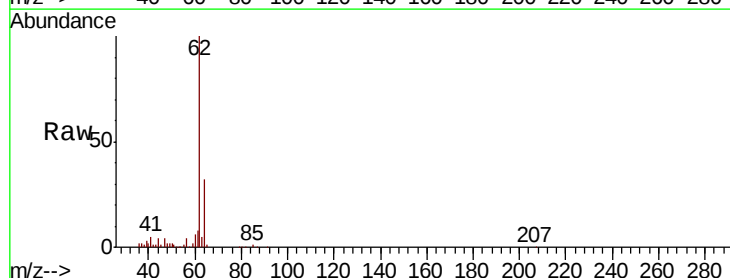
Instrument :
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ClientSampleId :
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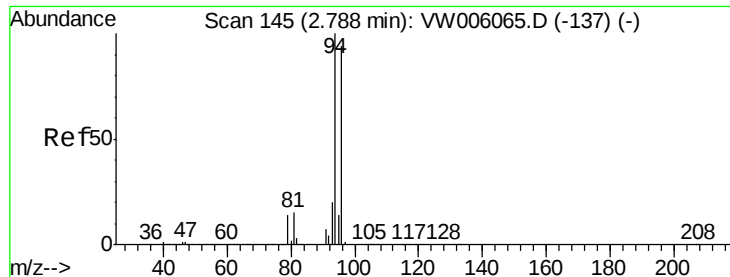
Tot Ion: 50 Resp: 59981
Ion Ratio Lower Upper
50 100
52 34.9 26.8 40.2



#4
Vinyl Chloride
Concen: 68.055 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 62 Resp: 88883
Ion Ratio Lower Upper
62 100
64 31.9 25.9 38.9





#5

Bromomethane

Concen: 69.647 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

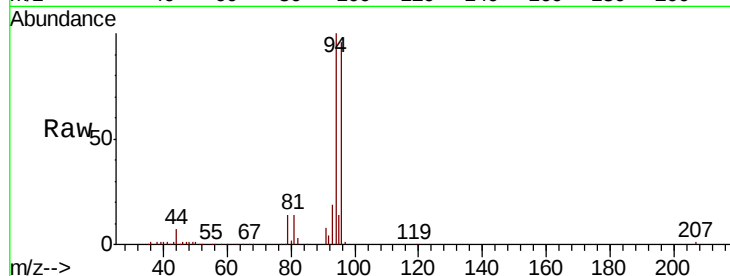
PA-SB-01BMSD

Tot Ion: 94 Resp: 82734

Ion Ratio Lower Upper

94 100

96 96.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.79

40000

30000

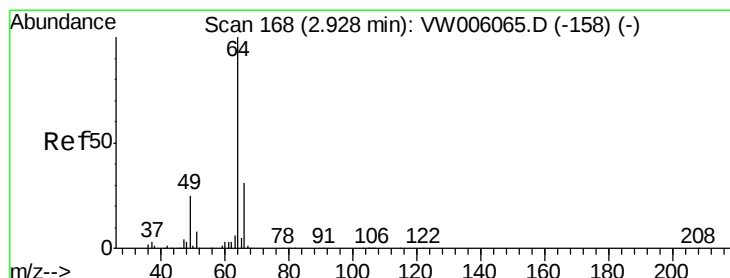
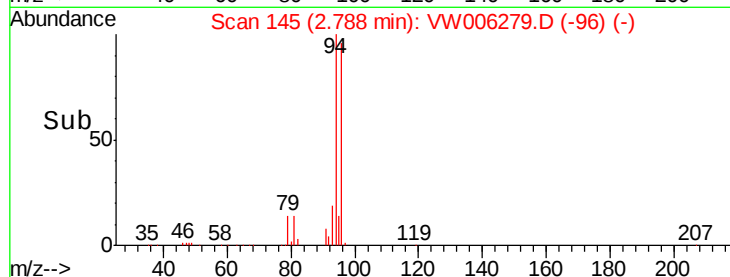
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 68.522 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006279.D

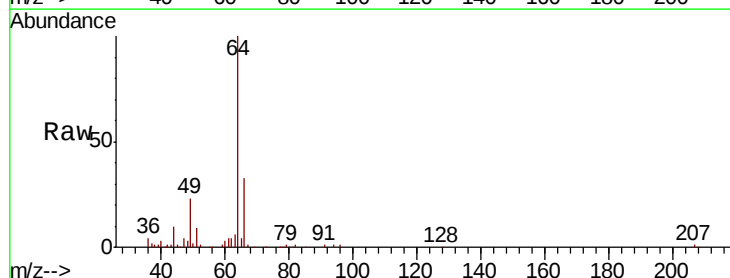
Acq: 23 Oct 2018 05:21

Tgt Ion: 64 Resp: 64134

Ion Ratio Lower Upper

64 100

66 32.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

25000

20000

15000

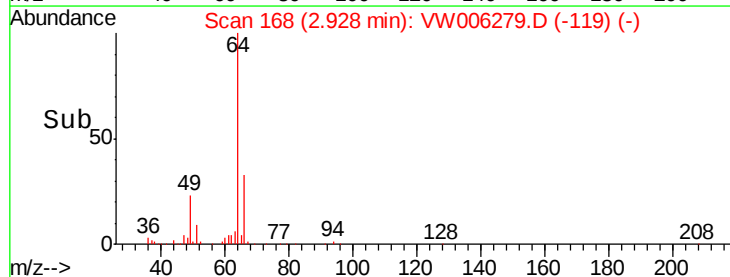
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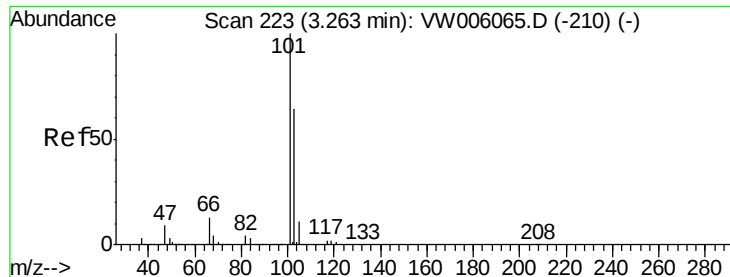
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0

Time-->

2.80 2.90 3.00 3.10



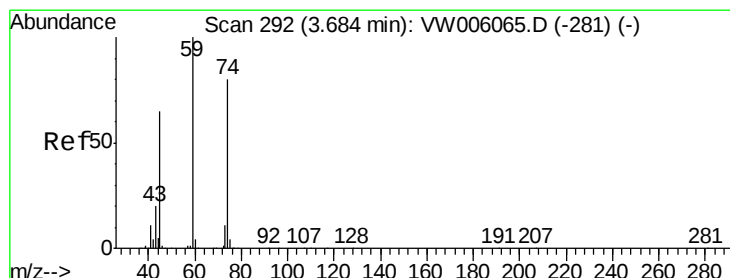
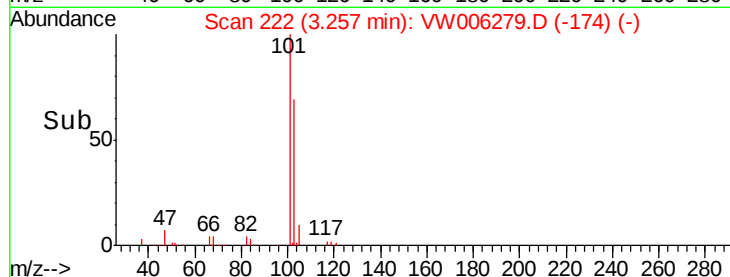
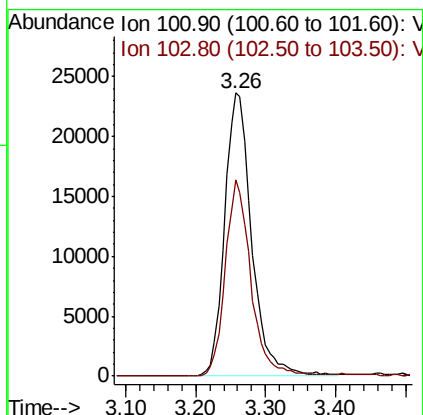
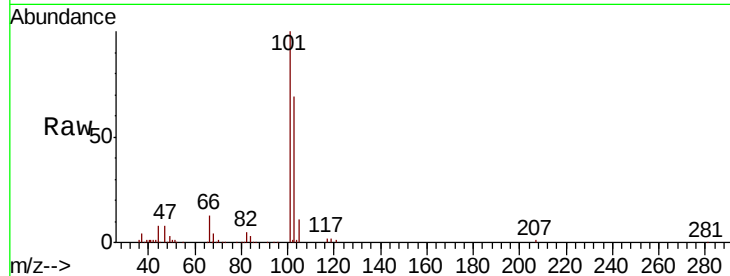


#7

Trichlorofluoromethane
 Concen: 52.356 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006279.D
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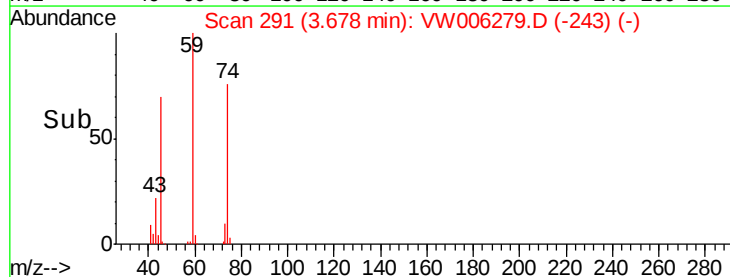
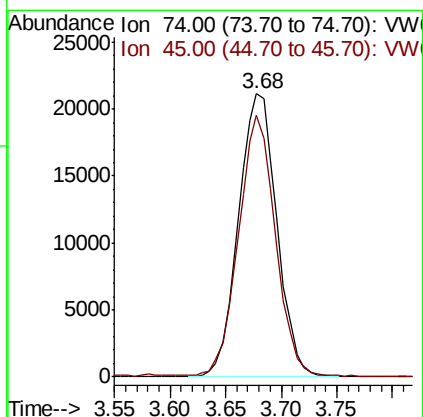
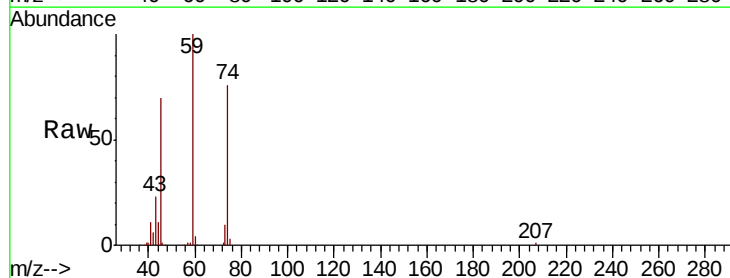
Tot Ion:101 Resp: 63701
 Ion Ratio Lower Upper
 101 100
 103 69.5 51.2 76.8

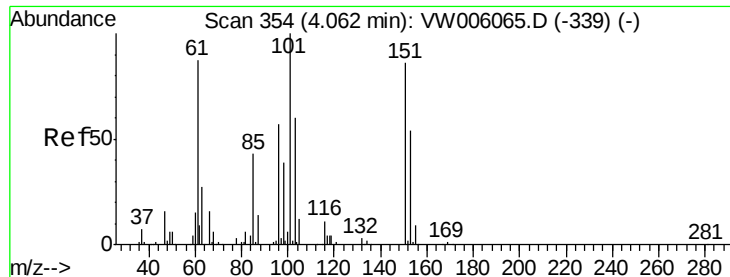


#8

Diethyl Ether
 Concen: 78.100 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion: 74 Resp: 50501
 Ion Ratio Lower Upper
 74 100
 45 89.8 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.103 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

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MSVOA_W

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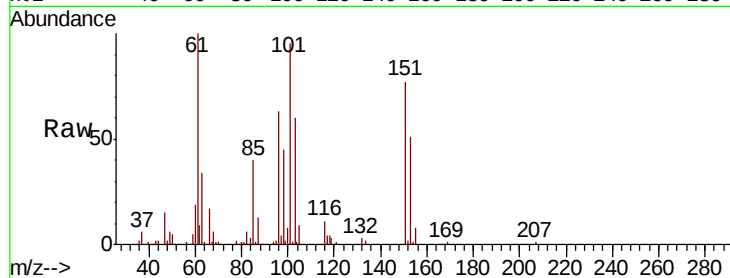
Tot Ion:101 Resp: 67709

Ion Ratio Lower Upper

101 100

85 43.8 34.9 52.3

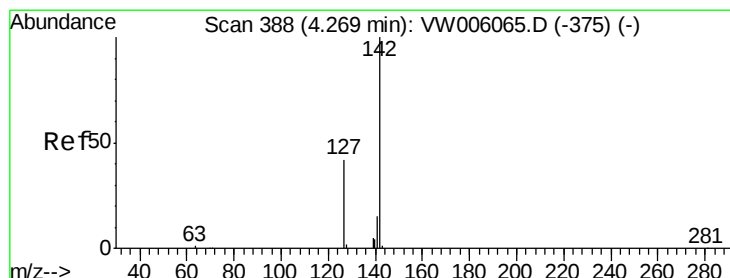
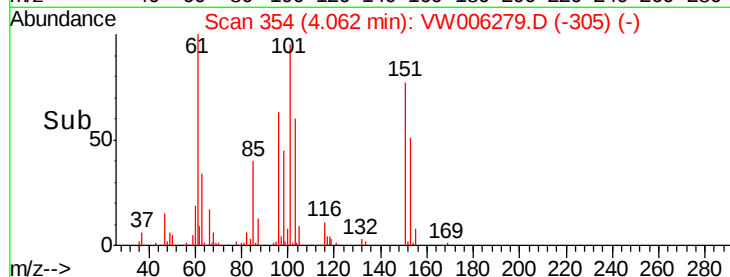
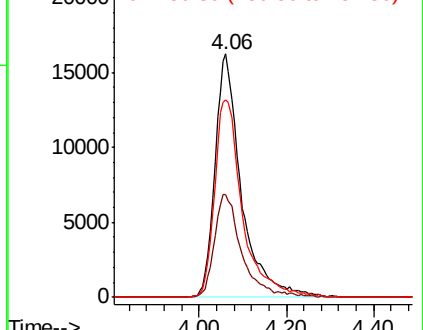
151 85.6 70.4 105.6



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: 68.339 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

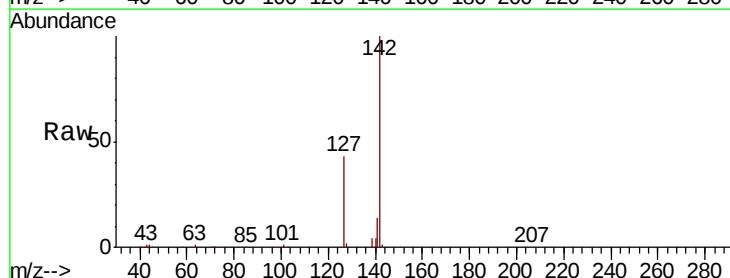
Tgt Ion:142 Resp: 145030

Ion Ratio Lower Upper

142 100

127 42.4 33.6 50.4

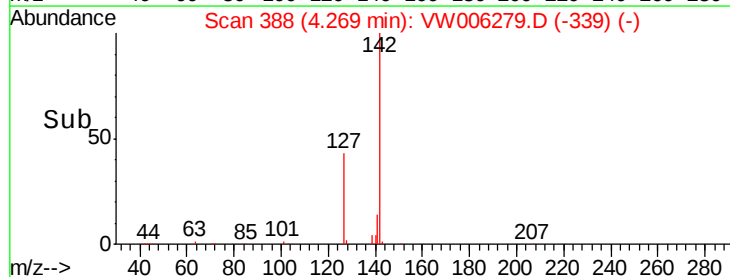
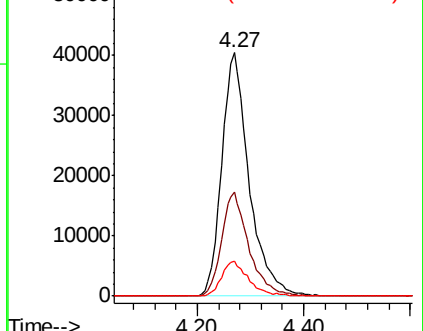
141 14.1 11.6 17.4

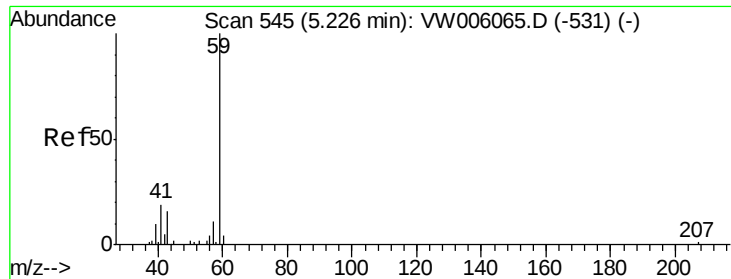


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



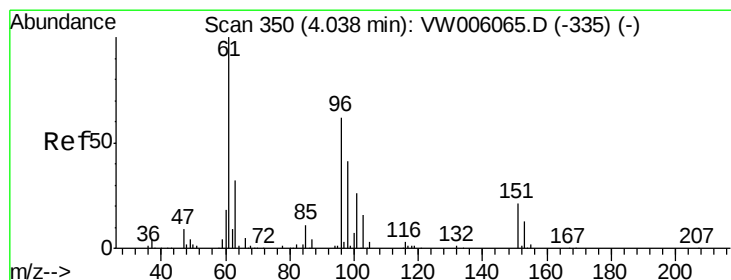
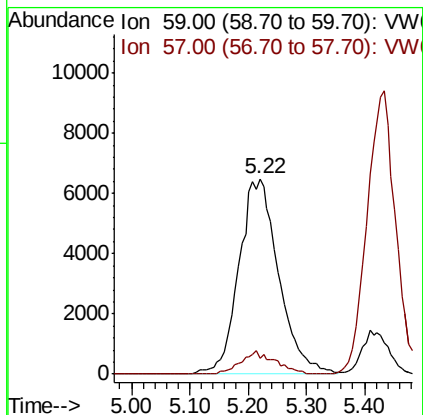
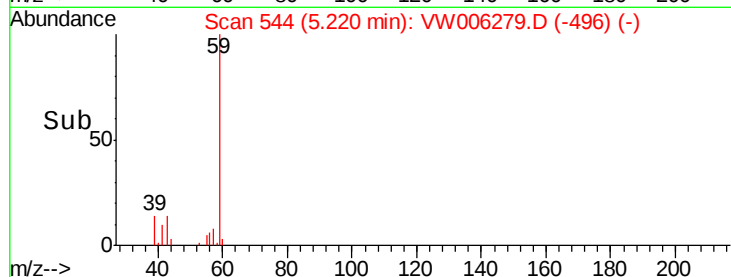
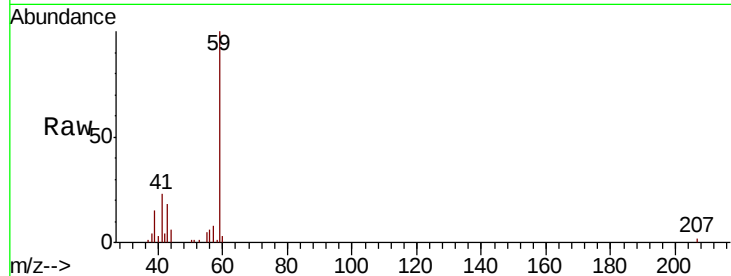


#11

Tert butyl alcohol
Concen: 384.189 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

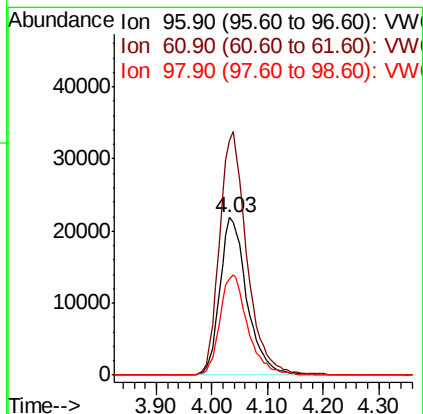
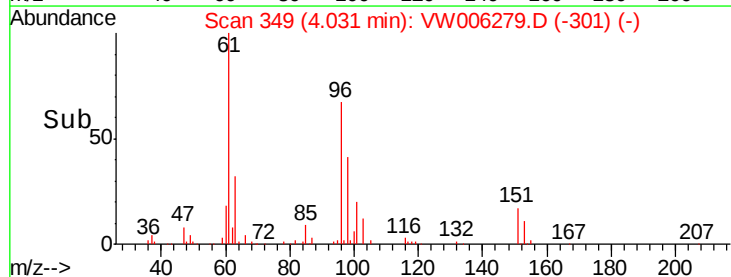
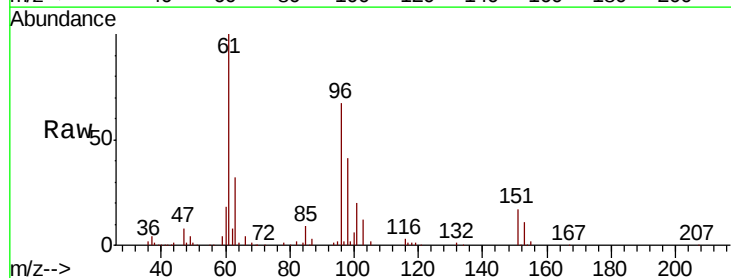
Tot Ion: 59 Resp: 30755
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

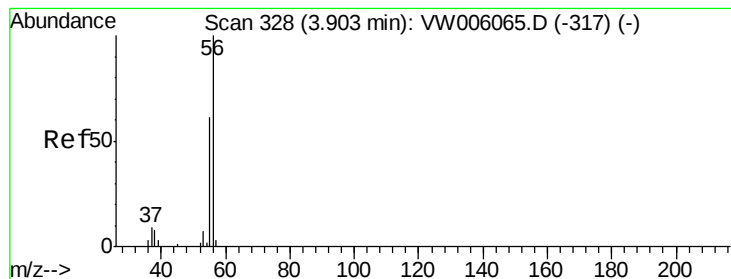


#12

1,1-Dichloroethene
Concen: 61.544 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 96 Resp: 73827
Ion Ratio Lower Upper
96 100
61 149.4 129.3 193.9
98 61.6 53.1 79.7





#13

Acrolein

Concen: 201.173 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

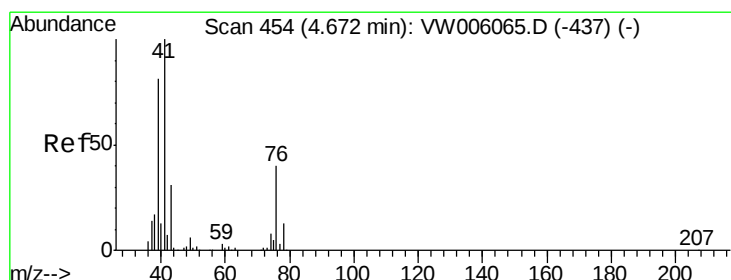
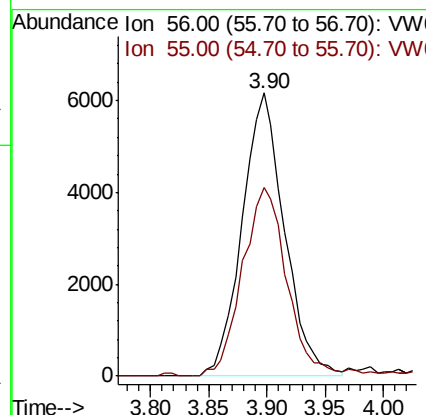
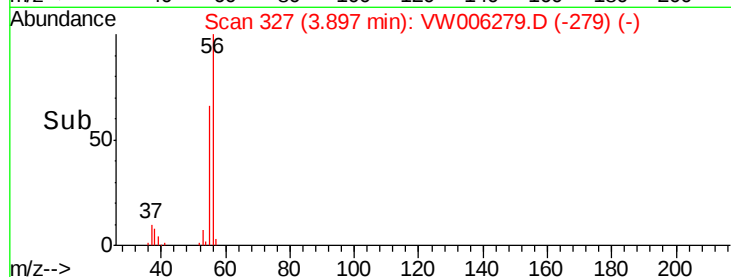
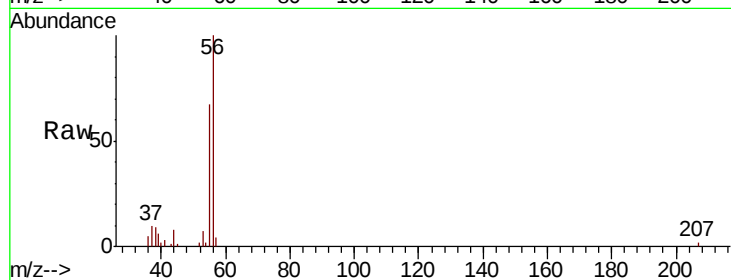
PA-SB-01BMSD

Tot Ion: 56 Resp: 15583

Ion Ratio Lower Upper

56 100

55 69.4 54.5 81.7



#14

Allyl chloride

Concen: 65.292 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

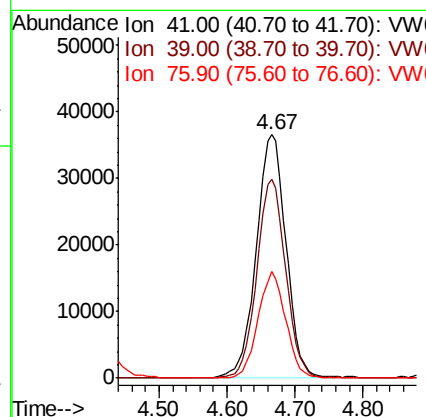
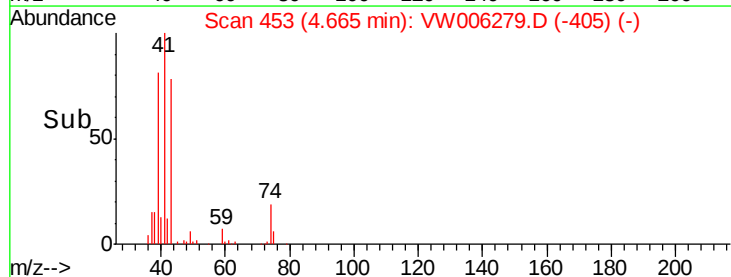
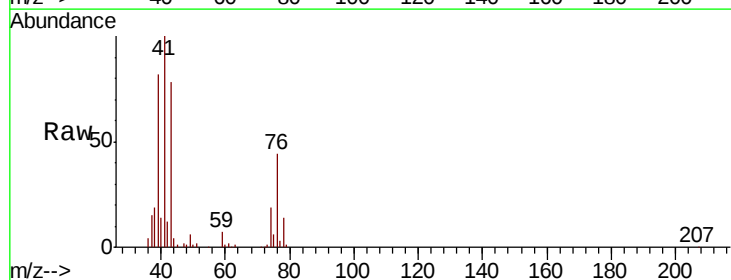
Tgt Ion: 41 Resp: 111990

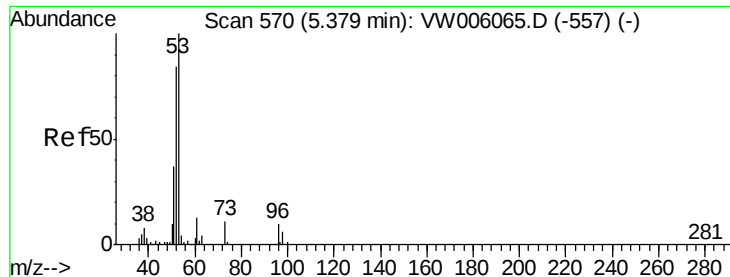
Ion Ratio Lower Upper

41 100

39 79.4 64.1 96.1

76 40.6 32.2 48.4





#15

Acrylonitrile

Concen: 460.632 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

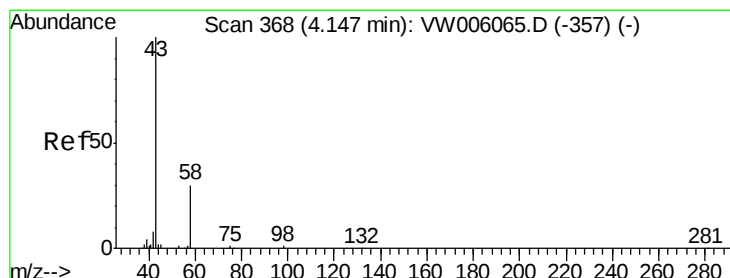
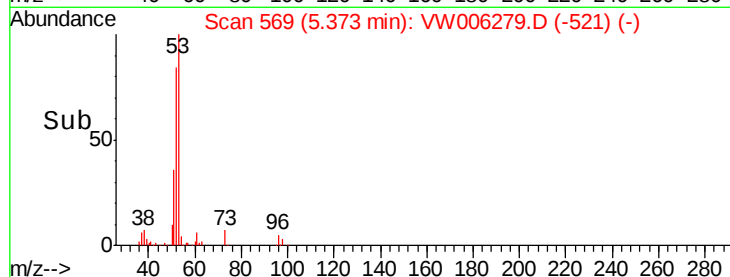
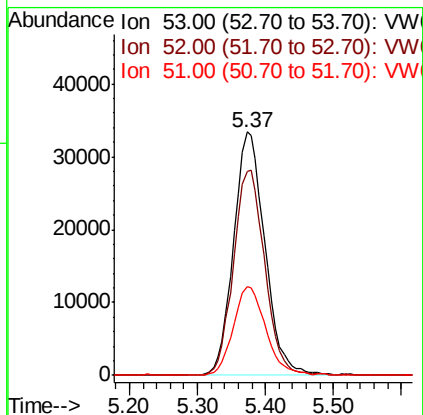
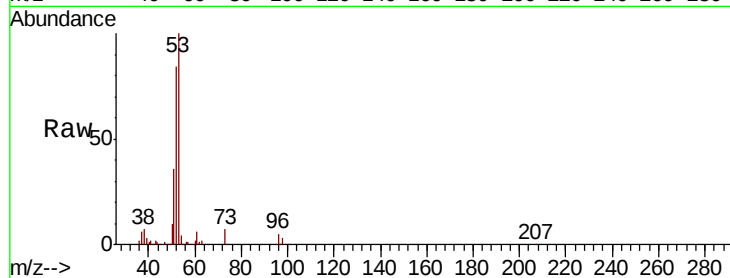
Tot Ion: 53 Resp: 106832

Ion Ratio Lower Upper

53 100

52 84.3 66.9 100.3

51 38.1 30.1 45.1



#16

Acetone

Concen: 453.002 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006279.D

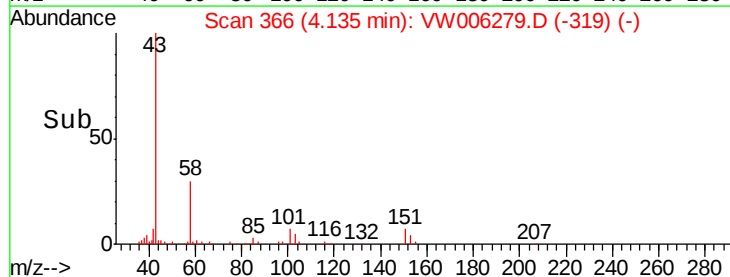
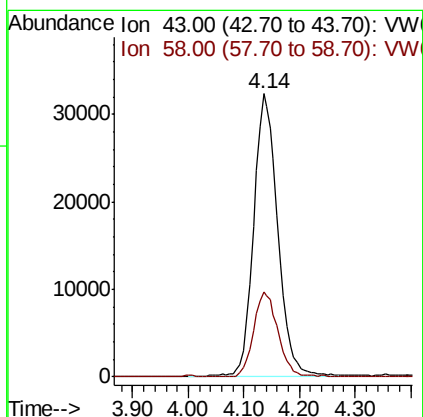
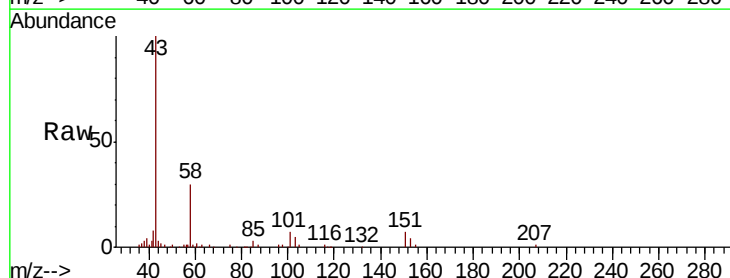
Acq: 23 Oct 2018 05:21

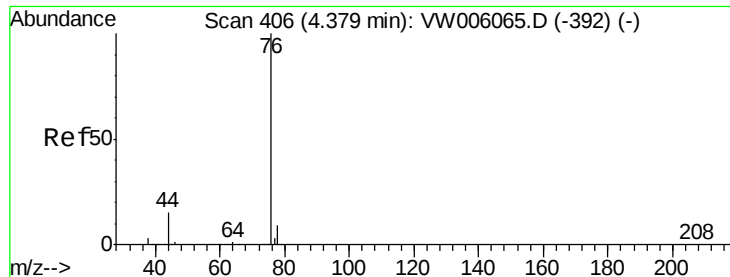
Tgt Ion: 43 Resp: 98473

Ion Ratio Lower Upper

43 100

58 30.0 24.0 36.0

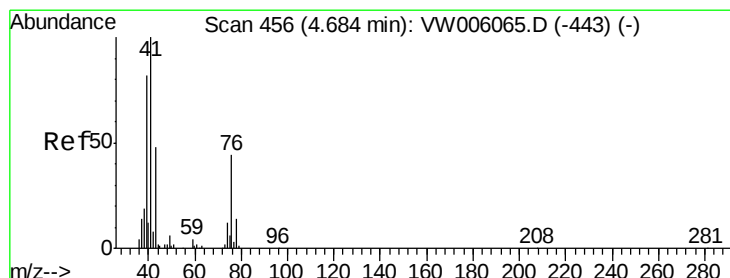
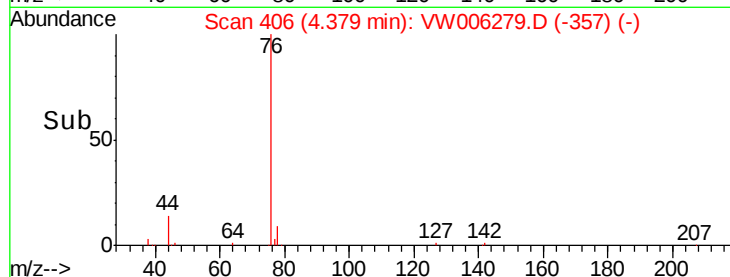
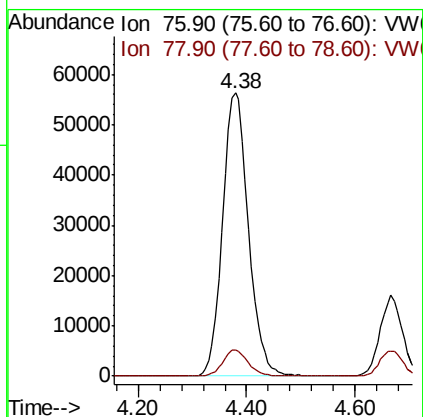
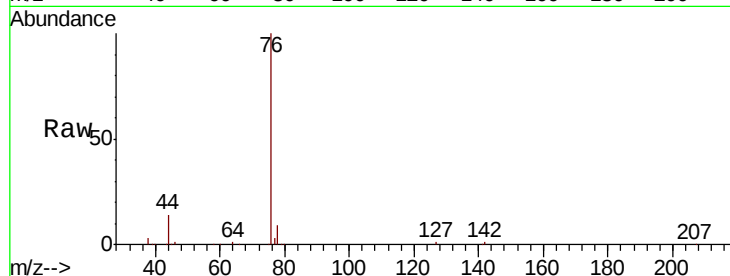




#17
Carbon Disulfide
Concen: 51.406 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

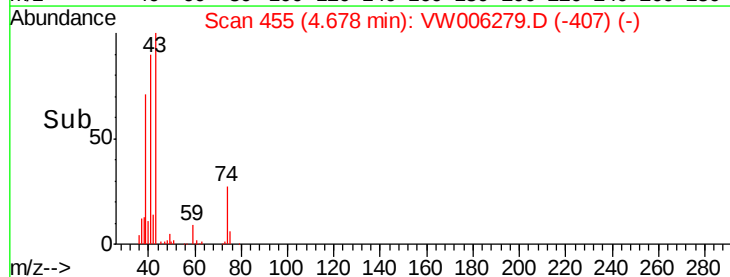
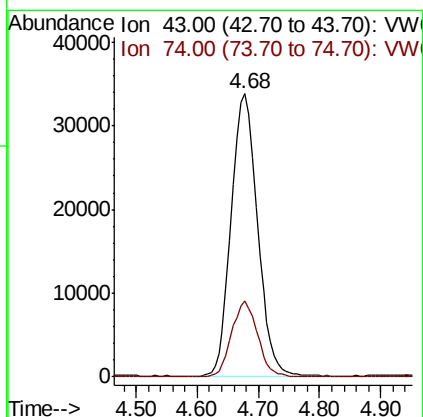
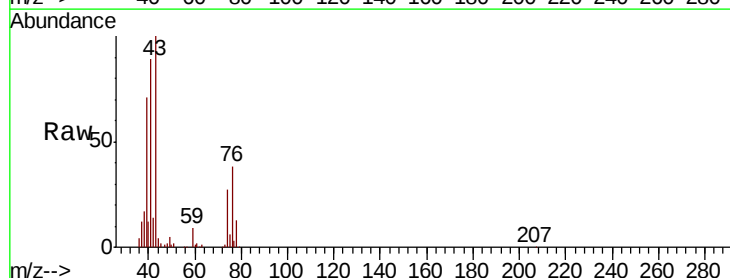
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

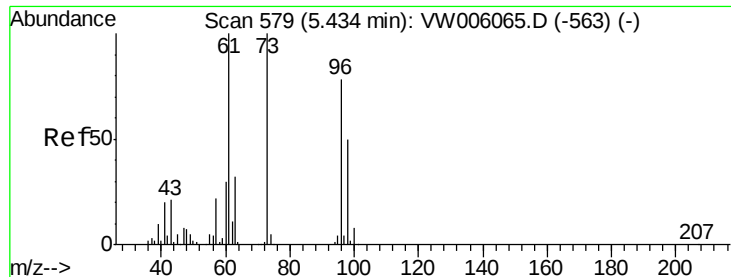
Tot Ion: 76 Resp: 186111
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 169.418 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 43 Resp: 101482
Ion Ratio Lower Upper
43 100
74 26.0 20.5 30.7

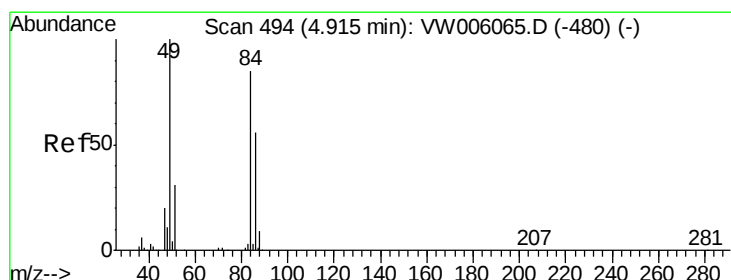
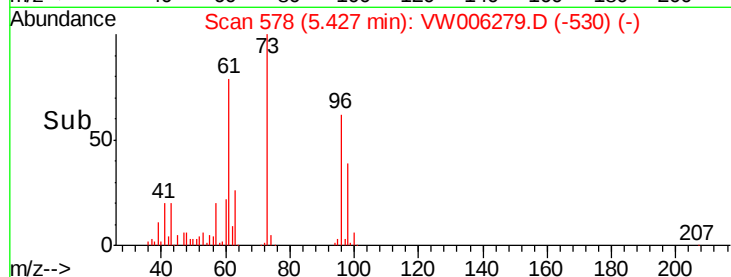
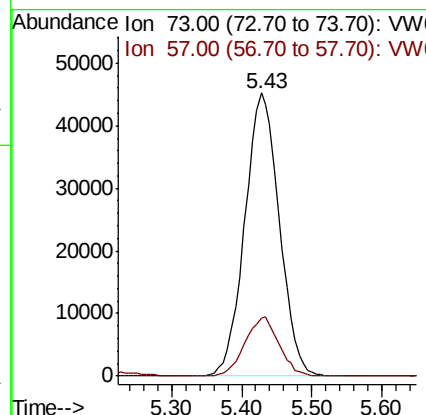
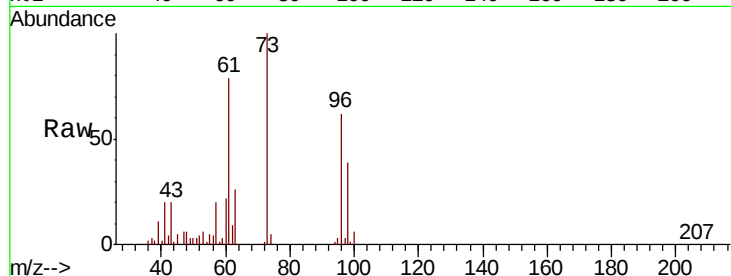




#19
Methyl tert-butyl Ether
Concen: 84.616 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

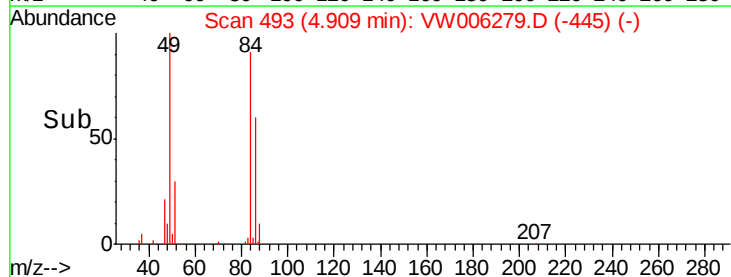
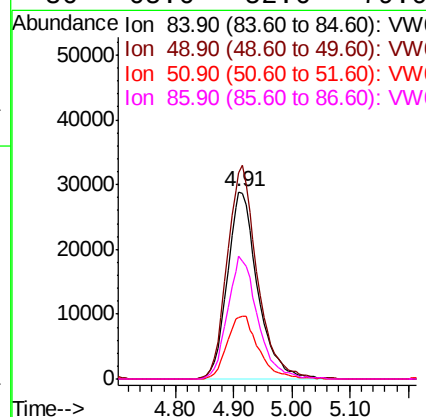
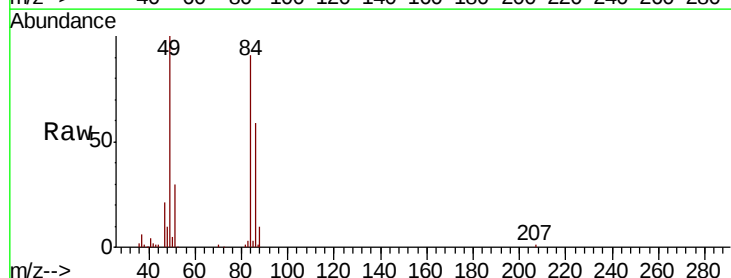
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

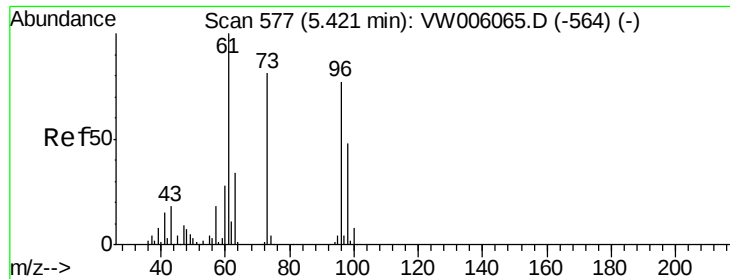
Tot Ion: 73 Resp: 154601
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.2



#20
Methylene Chloride
Concen: 83.901 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 84 Resp: 104279
Ion Ratio Lower Upper
84 100
49 110.3 93.6 140.4
51 33.1 29.0 43.4
86 65.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 65.221 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

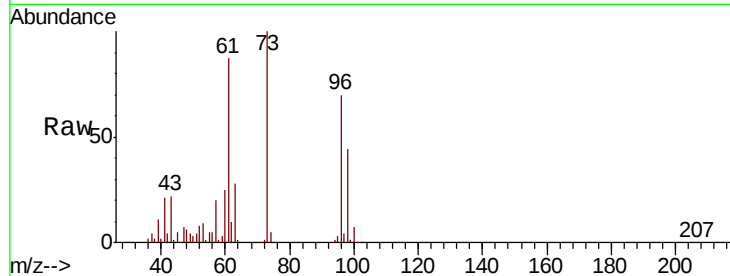
Tot Ion: 96 Resp: 87329

Ion Ratio Lower Upper

96 100

61 125.7 104.5 156.7

98 63.0 50.6 75.8

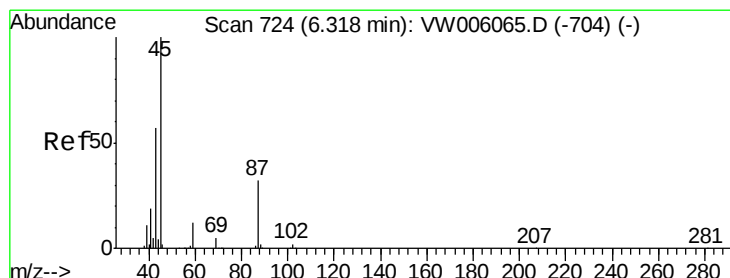
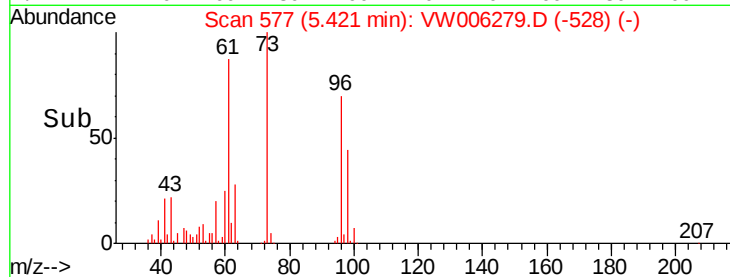
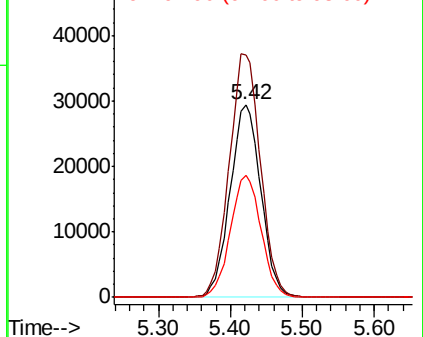


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 77.058 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion: 45 Resp: 261189

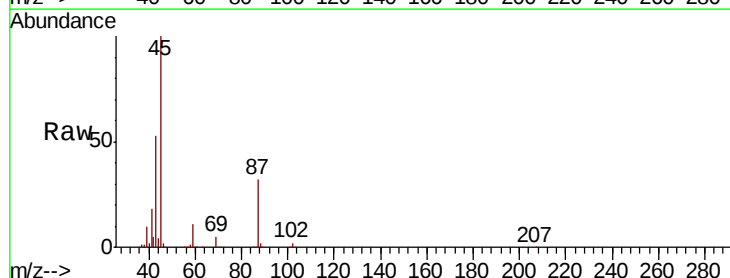
Ion Ratio Lower Upper

45 100

43 52.6 45.7 68.5

87 31.7 25.9 38.9

59 11.1 9.6 14.4



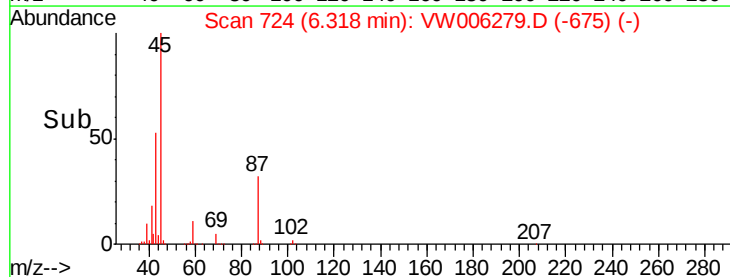
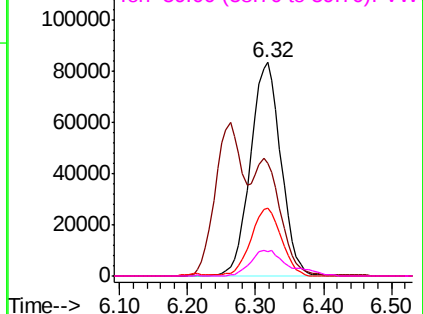
Abundance

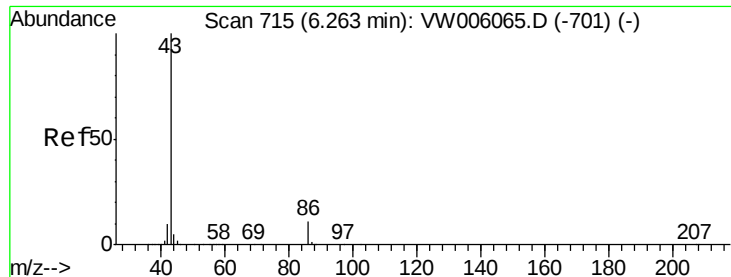
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 83.518 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

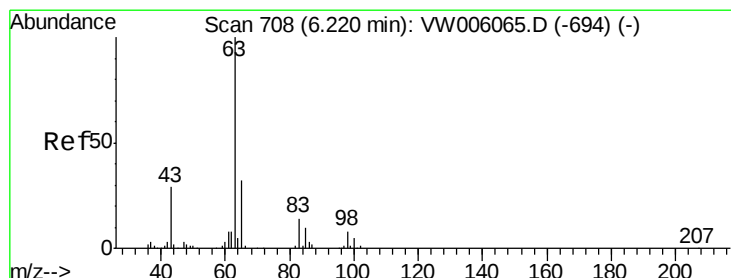
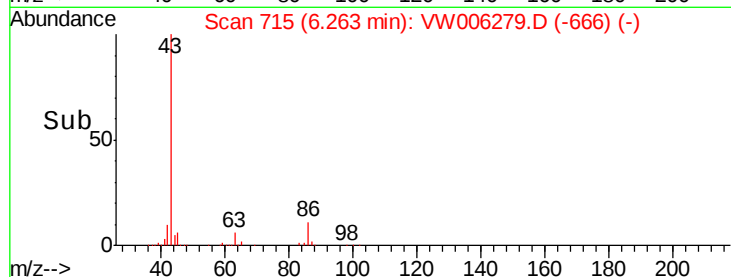
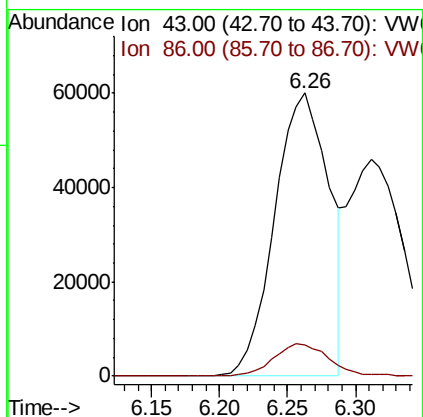
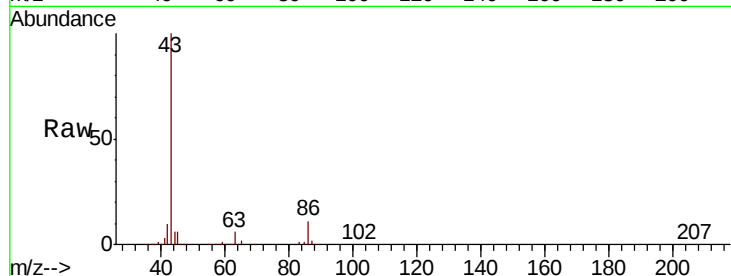
PA-SB-01BMSD

Tot Ion: 43 Resp: 167064

Ion Ratio Lower Upper

43 100

86 11.0 9.0 13.6



#24

1,1-Dichloroethane

Concen: 69.991 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

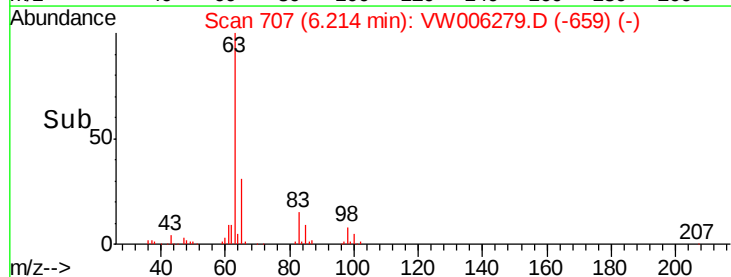
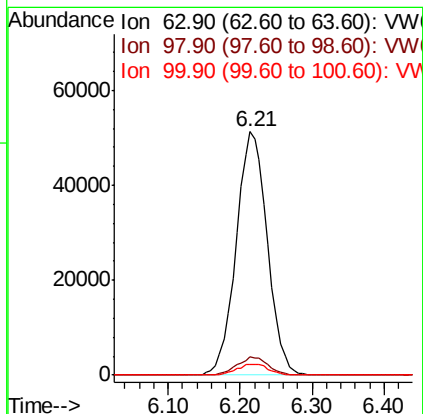
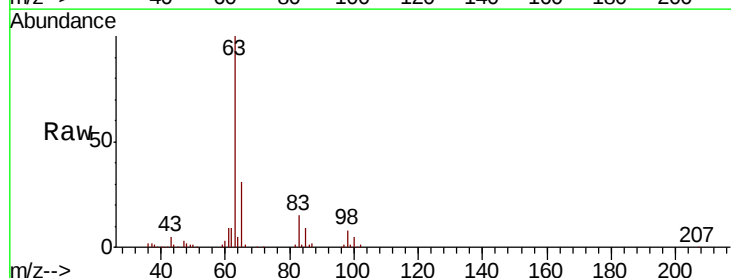
Tgt Ion: 63 Resp: 153079

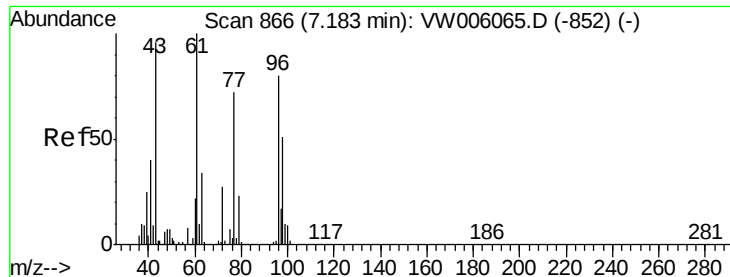
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 429.148 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

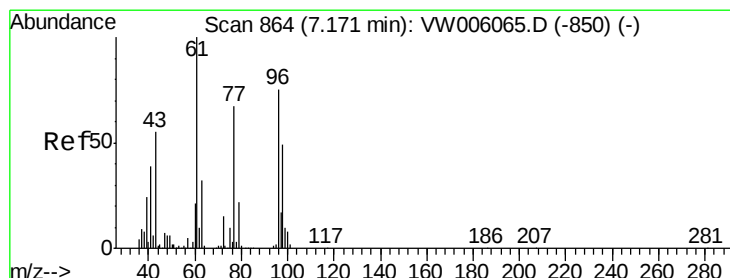
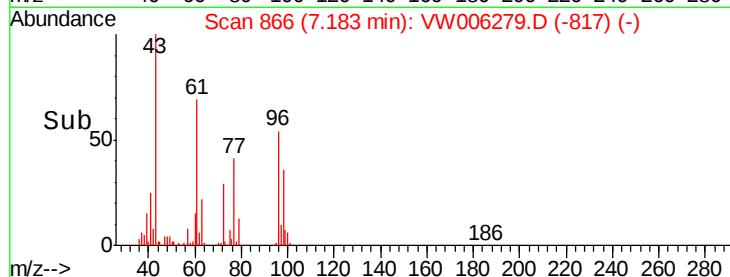
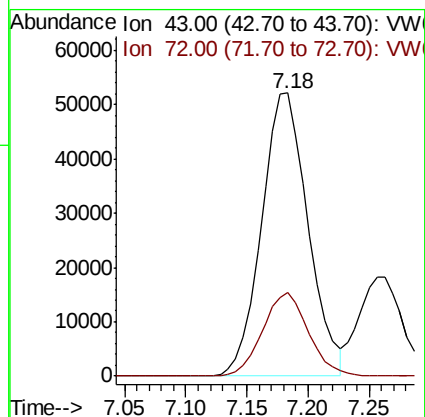
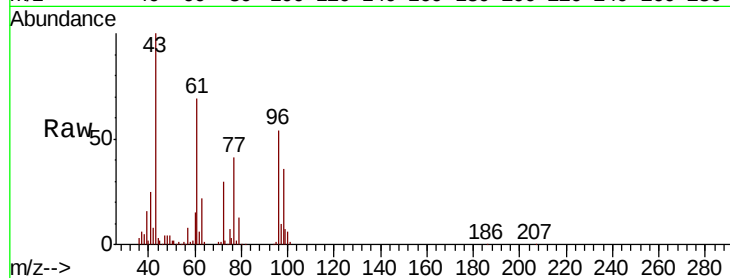
PA-SB-01BMSD

Tot Ion: 43 Resp: 137994

Ion Ratio Lower Upper

43 100

72 29.6 22.8 34.2



#26

2,2-Dichloropropane

Concen: 52.616 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006279.D

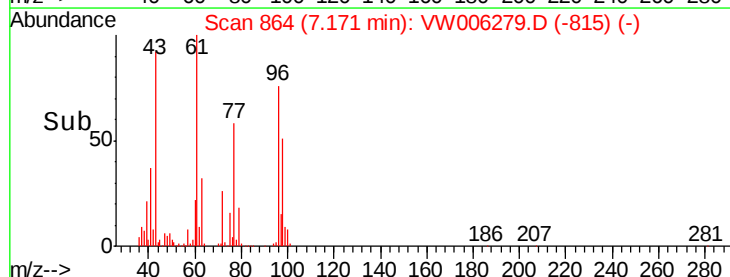
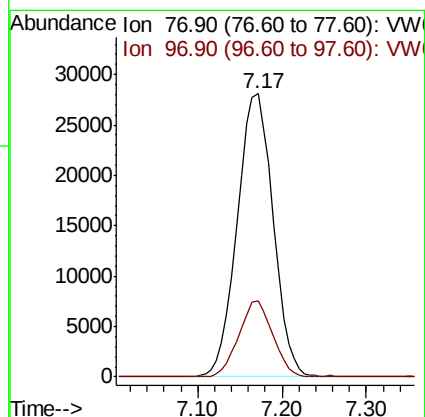
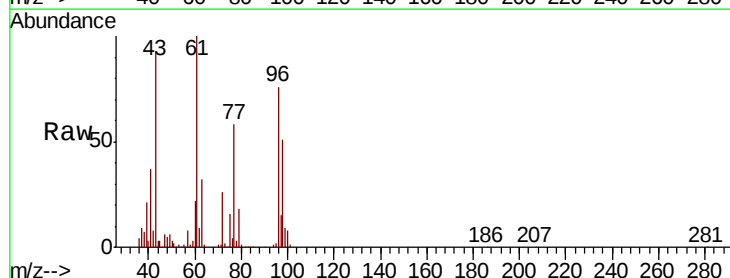
Acq: 23 Oct 2018 05:21

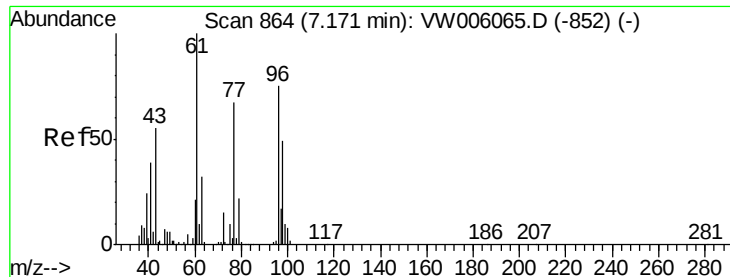
Tgt Ion: 77 Resp: 81164

Ion Ratio Lower Upper

77 100

97 25.3 12.2 36.4



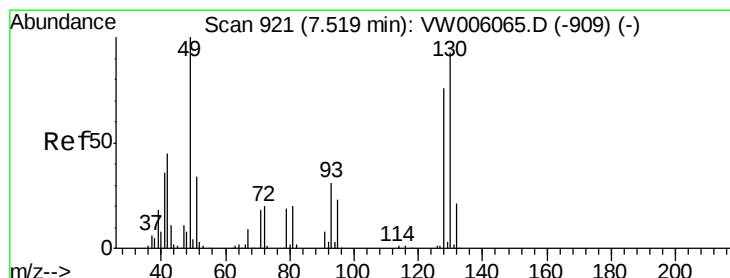
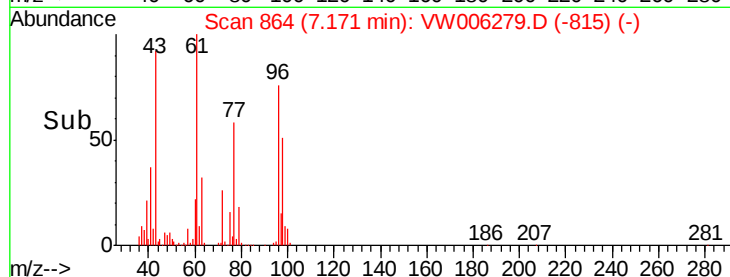
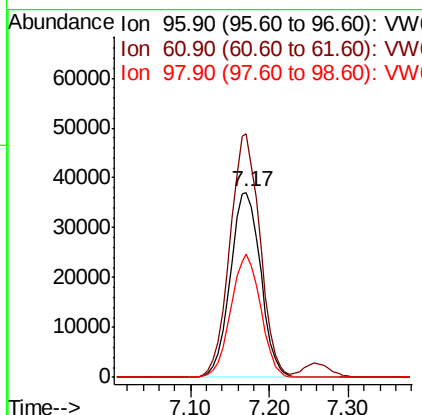
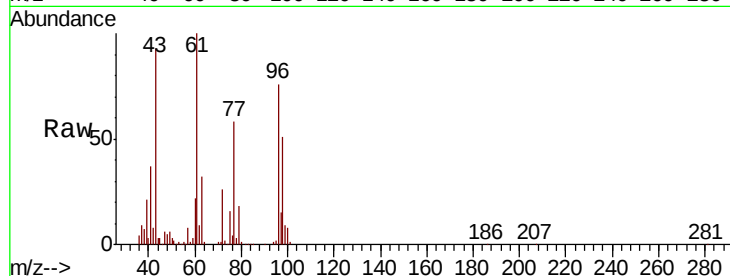


#27

cis-1,2-Dichloroethene
Concen: 67.138 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

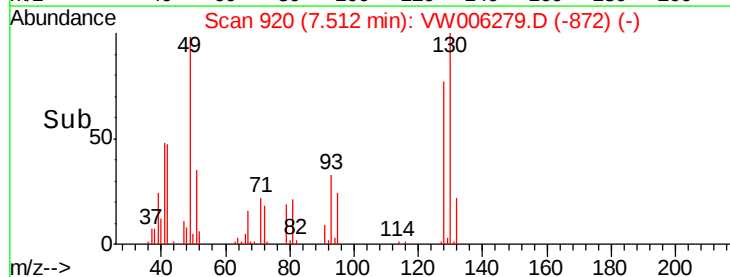
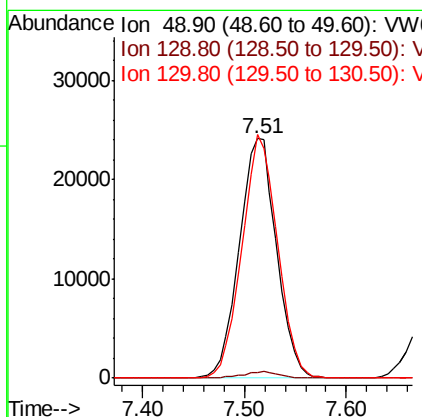
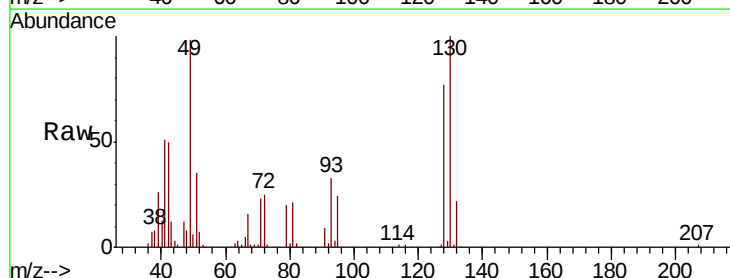
Tot Ion	96	Resp	99203
Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	267.2
98	65.3	0.0	128.6

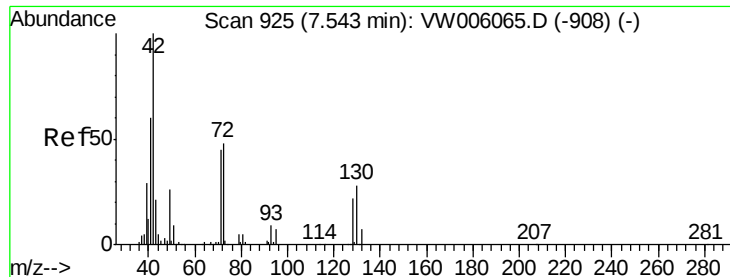


#28

Bromochloromethane
Concen: 72.571 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion	49	Resp	61276
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.8	73.8	110.8





#29

Tetrahydrofuran

Concen: 451.643 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

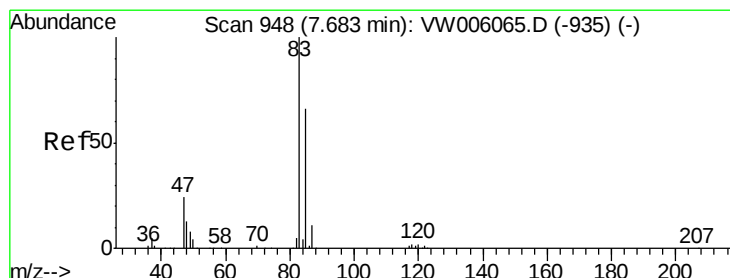
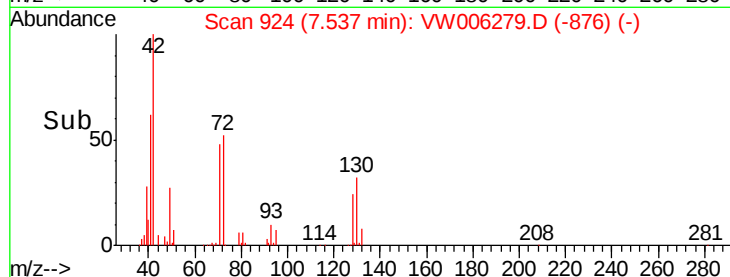
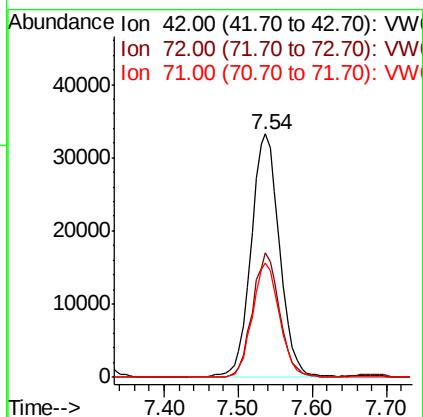
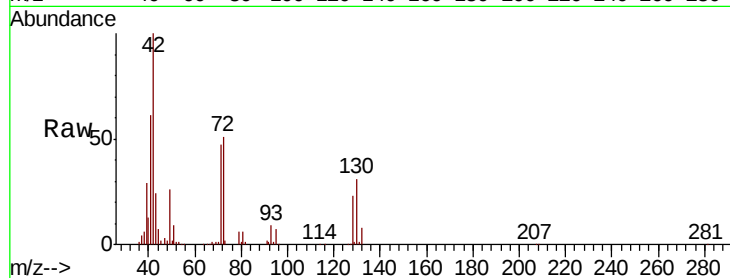
Tot Ion: 42 Resp: 89268

Ion Ratio Lower Upper

42 100

72 48.5 38.0 57.0

71 45.0 35.3 52.9



#30

Chloroform

Concen: 67.552 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006279.D

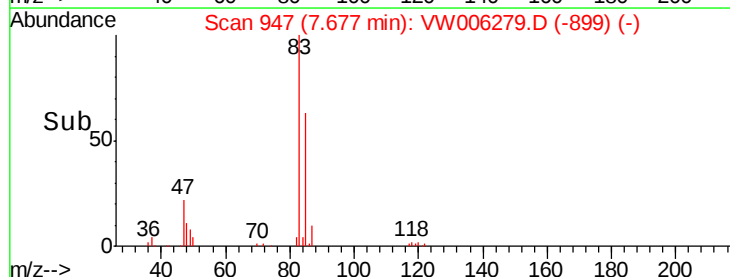
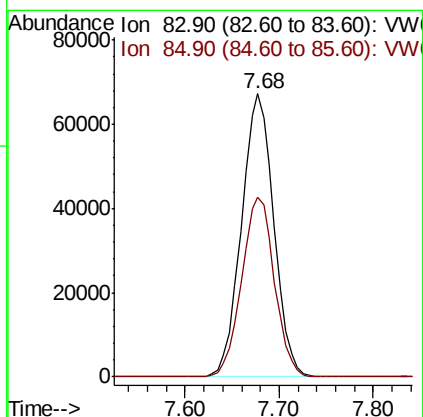
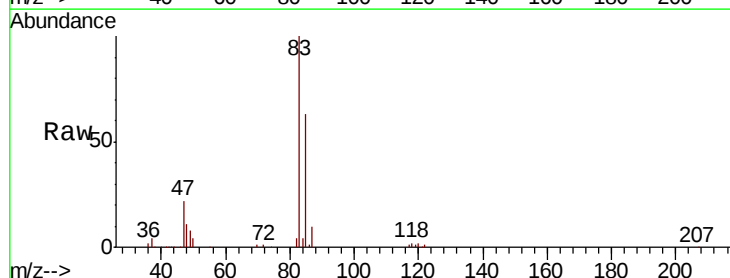
Acq: 23 Oct 2018 05:21

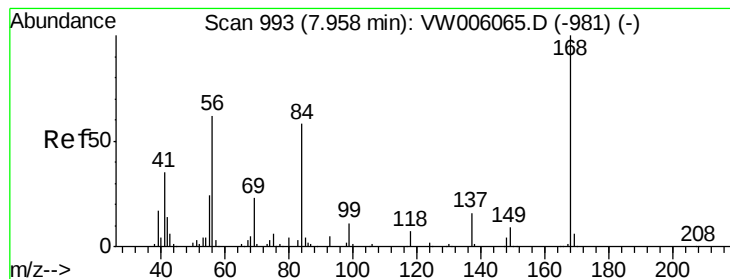
Tgt Ion: 83 Resp: 160969

Ion Ratio Lower Upper

83 100

85 63.4 52.6 79.0





#31

Cyclohexane

Concen: 34.886 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

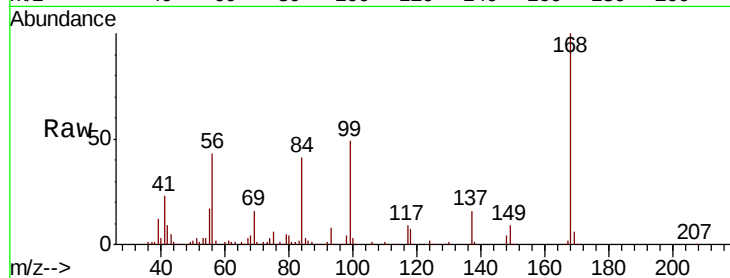
Tot Ion: 56 Resp: 75984

Ion Ratio Lower Upper

56 100

69 36.7 29.4 44.0

84 91.8 74.0 111.0

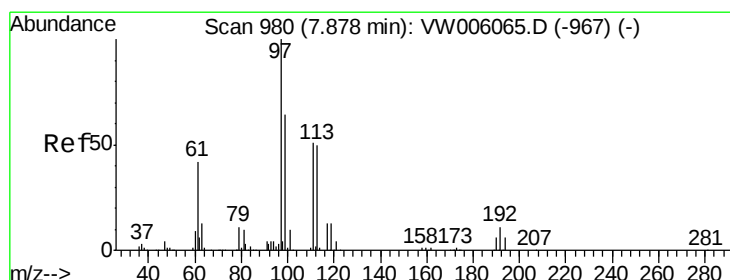
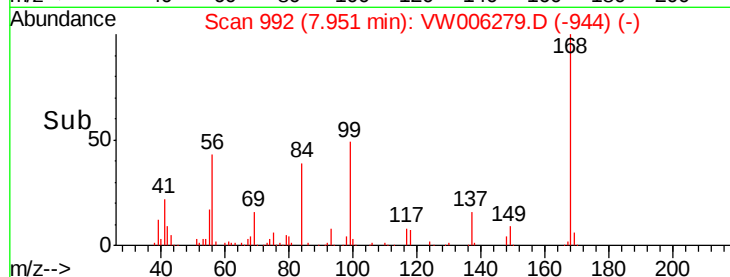
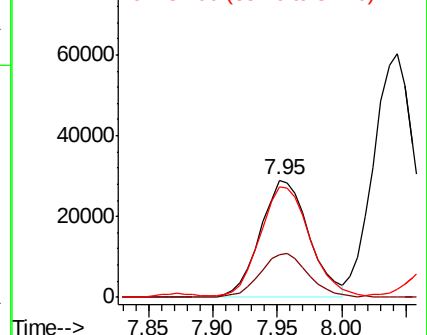


Abundance

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: 57.081 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

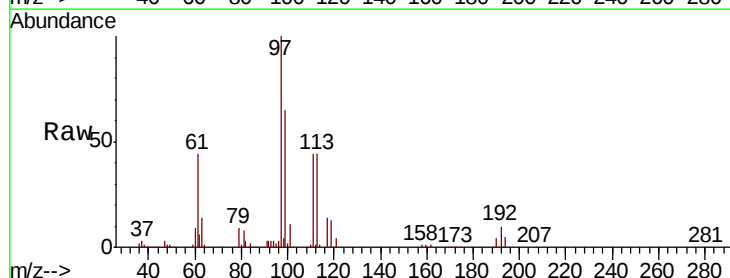
Tgt Ion: 97 Resp: 122695

Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

61 42.6 33.7 50.5

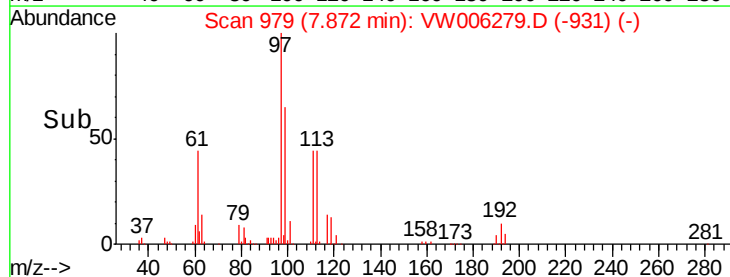
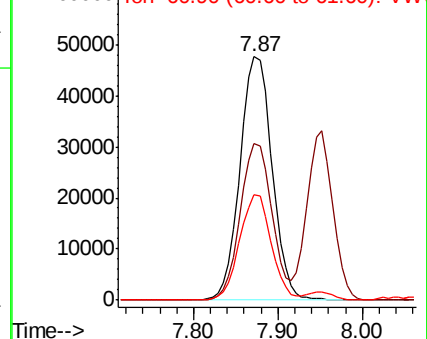


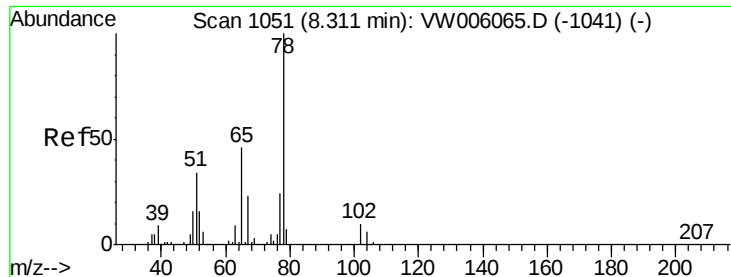
Abundance

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: 66.192 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

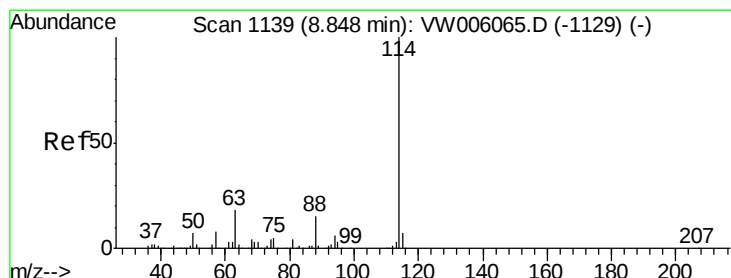
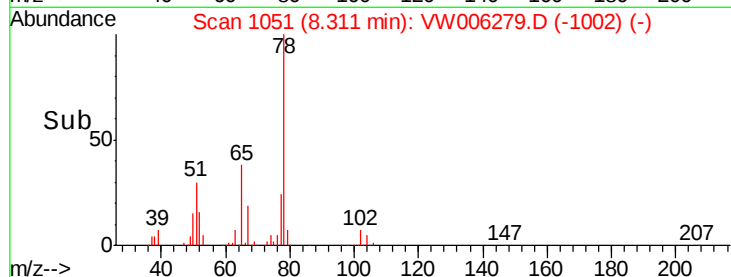
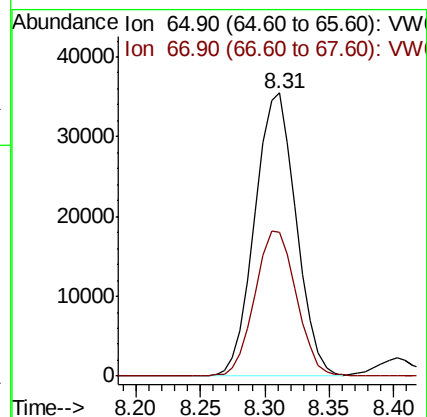
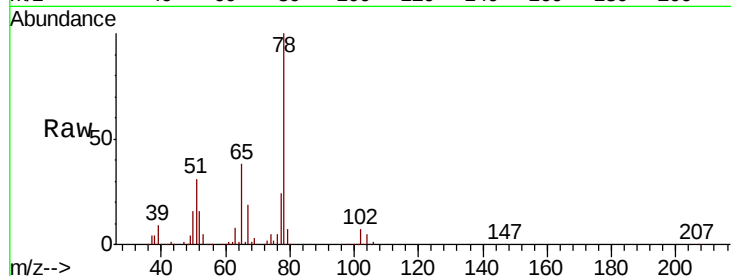
PA-SB-01BMSD

Tot Ion: 65 Resp: 78787

Ion Ratio Lower Upper

65 100

67 51.5 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: VW006279.D

Acq: 23 Oct 2018 05:21

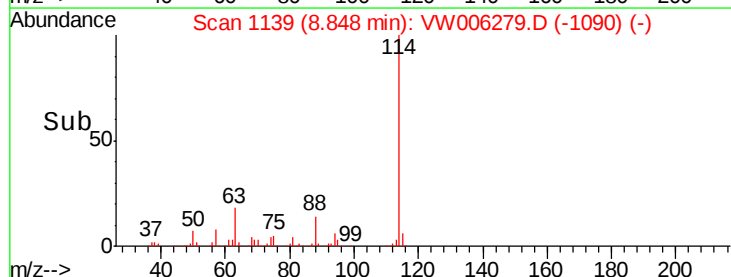
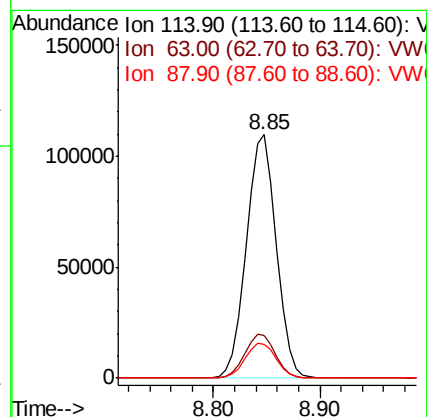
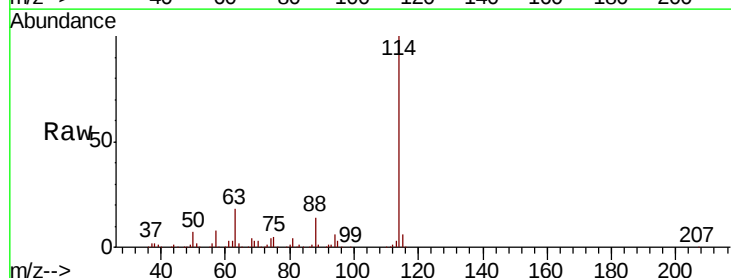
Tgt Ion: 114 Resp: 216865

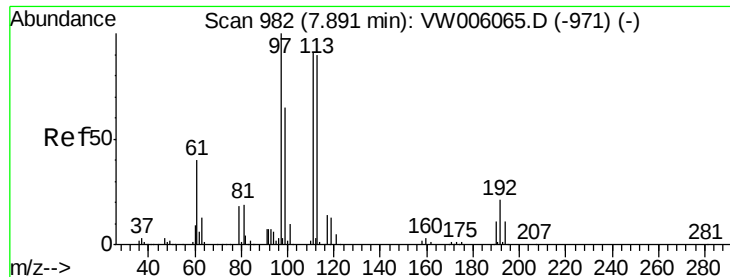
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 13.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 57.555 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

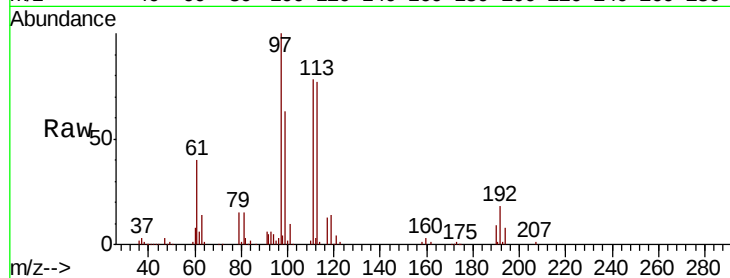
Tot Ion:113 Resp: 73753

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

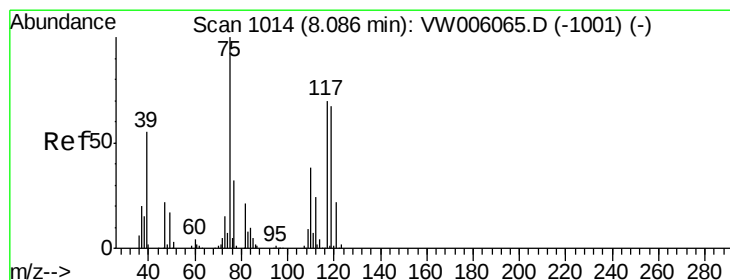
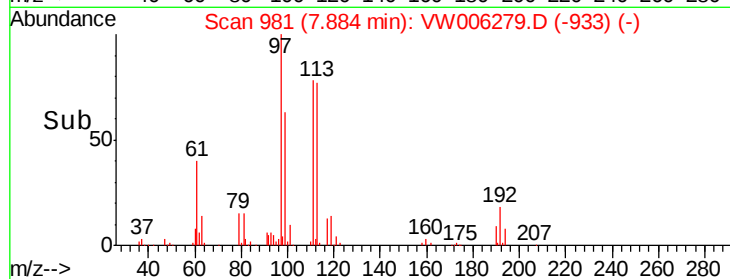
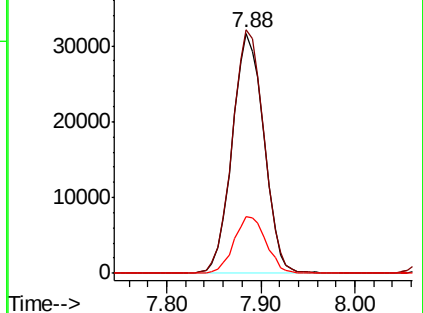
192 23.8 18.7 28.1



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: 48.875 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

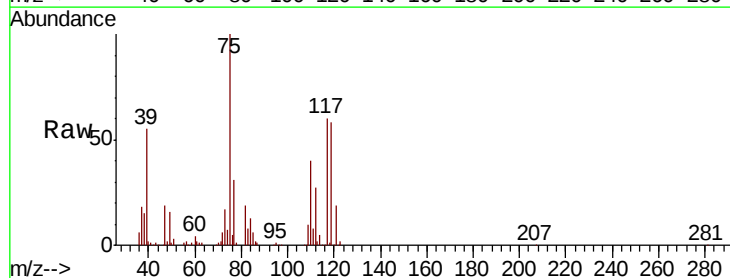
Tgt Ion: 75 Resp: 97695

Ion Ratio Lower Upper

75 100

110 38.5 19.1 57.1

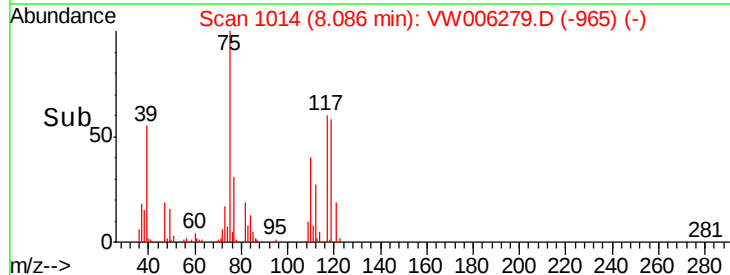
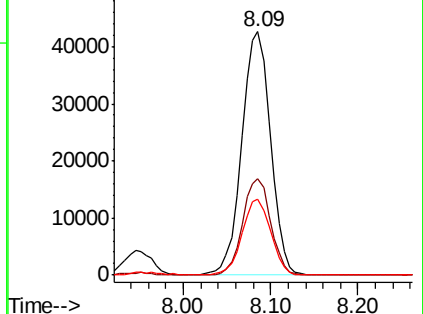
77 31.1 25.0 37.4

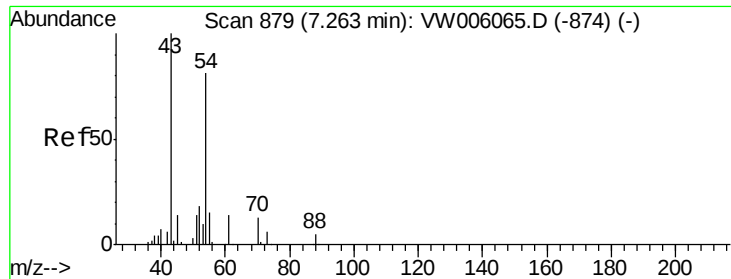


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

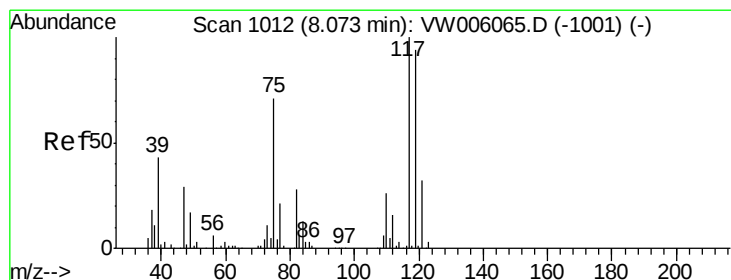
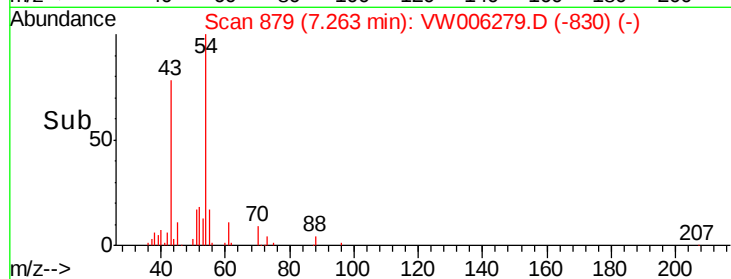
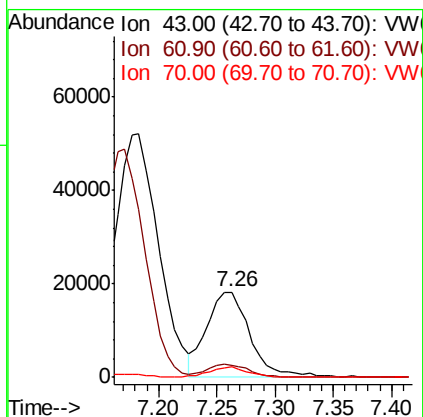
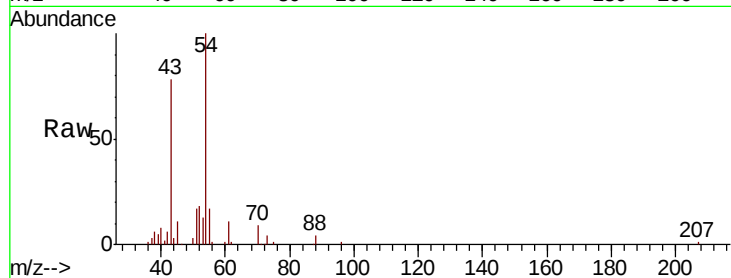




#37
Ethyl Acetate
Concen: 62.308 ug/l
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

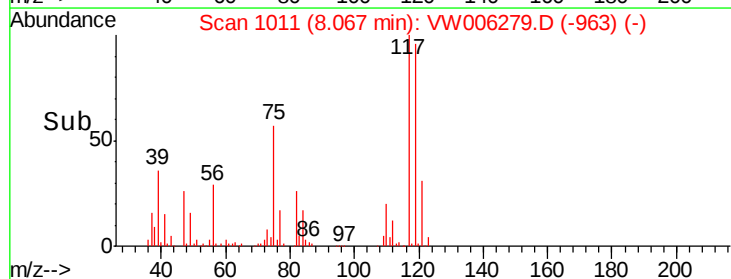
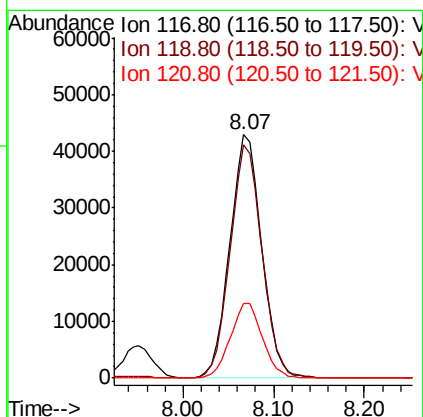
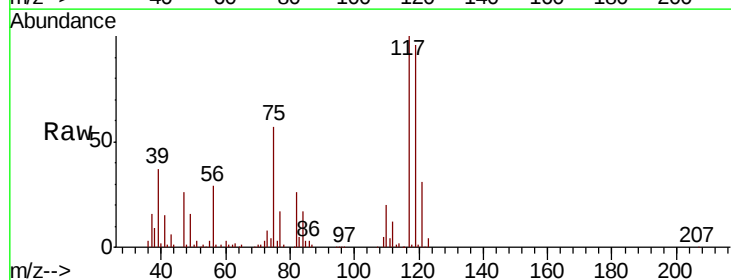
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

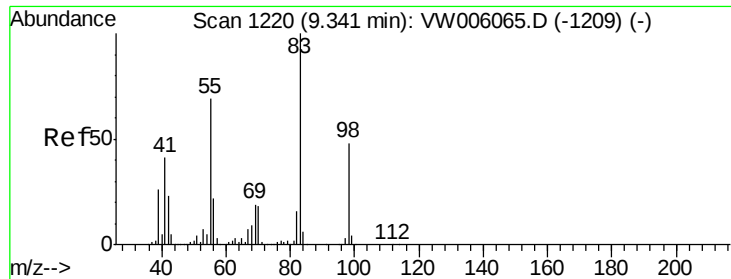
Tot Ion: 43 Resp: 46274
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 47.705 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 117 Resp: 104535
Ion Ratio Lower Upper
117 100
119 95.7 75.2 112.8
121 30.6 25.3 37.9

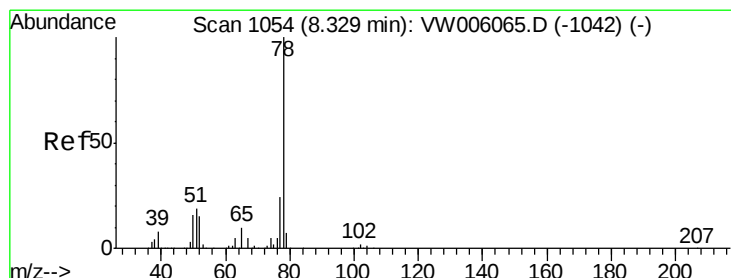
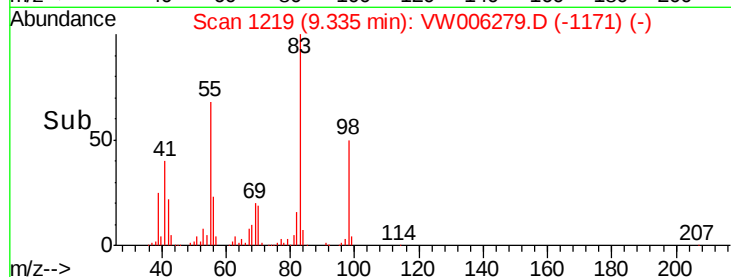
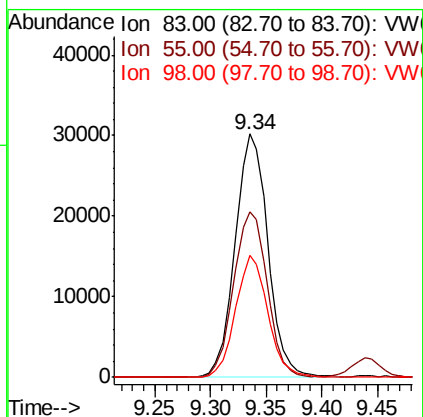
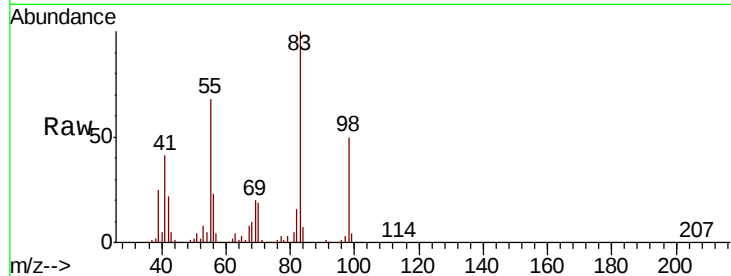




#39
Methvlcvclohexane
Concen: 23.188 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

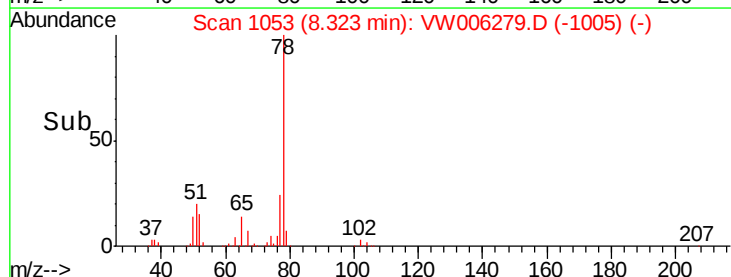
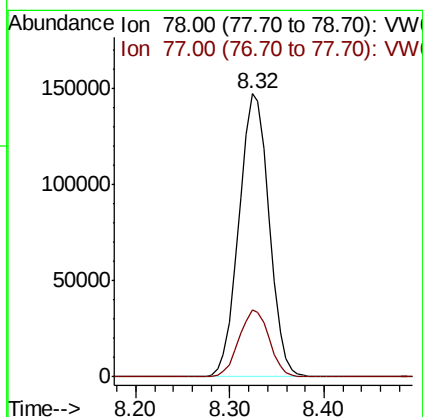
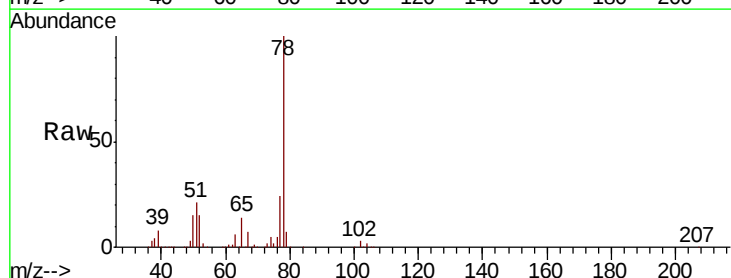
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

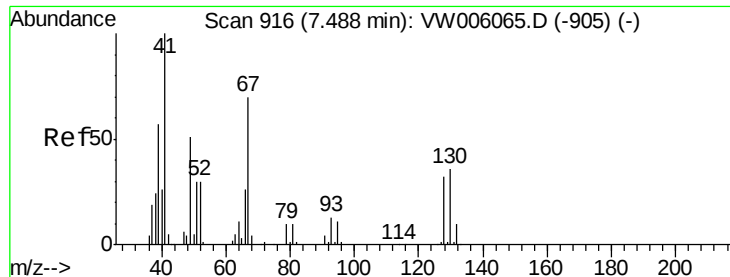
Tot Ion: 83 Resp: 61613
Ion Ratio Lower Upper
83 100
55 68.0 55.0 82.6
98 50.2 38.6 57.8



#40
Benzene
Concen: 59.982 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 78 Resp: 328890
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

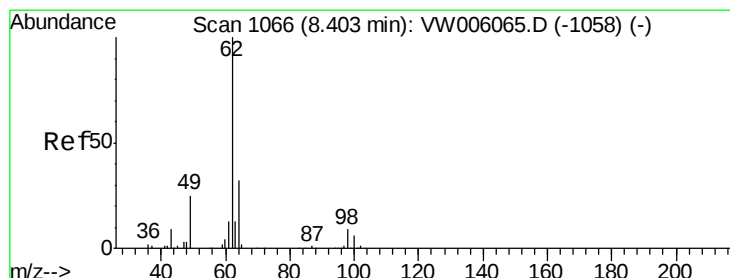
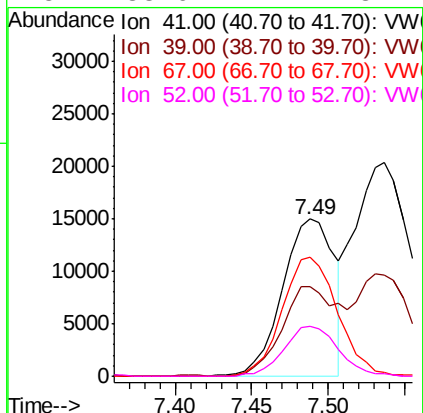
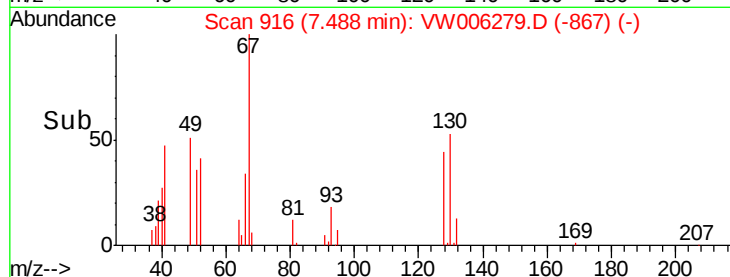
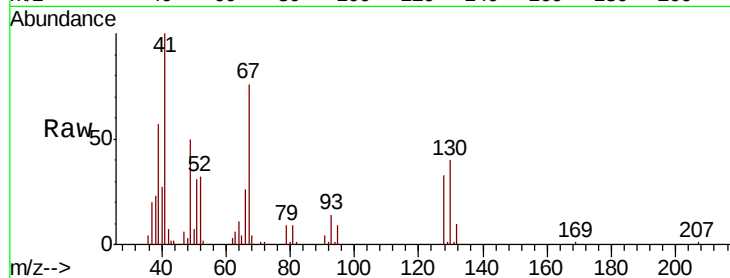




#41
Methacrylonitrile
Concen: 78.969 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

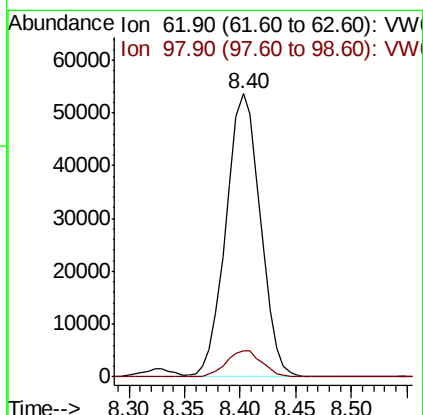
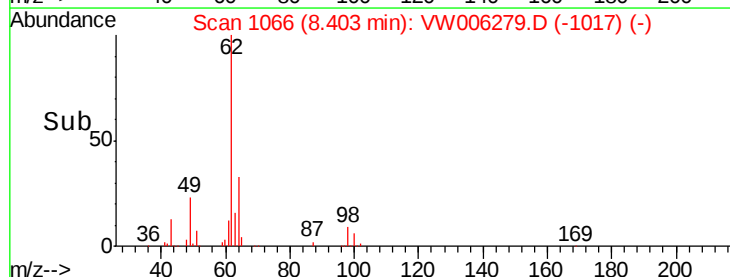
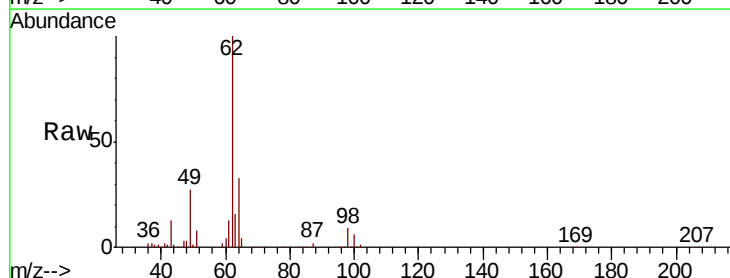
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

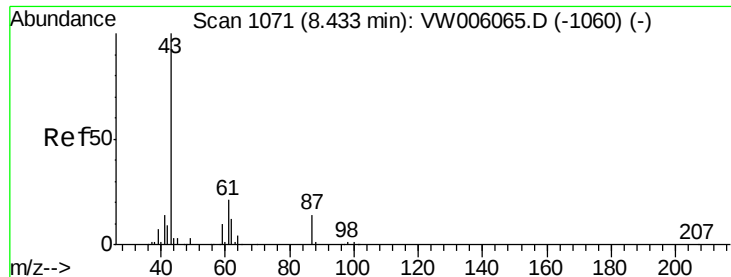
Tot Ion:	41	Resp:	35355
Ion	Ratio	Lower	Upper
41	100		
39	64.0	46.2	69.4
67	81.2	57.7	86.5
52	33.6	24.7	37.1



#42
1,2-Dichloroethane
Concen: 71.381 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:	62	Resp:	114990
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 68.055 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

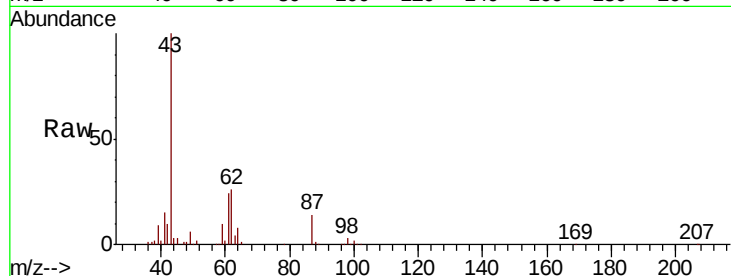
Tot Ion: 43 Resp: 103340

Ion Ratio Lower Upper

43 100

61 31.7 25.5 38.3

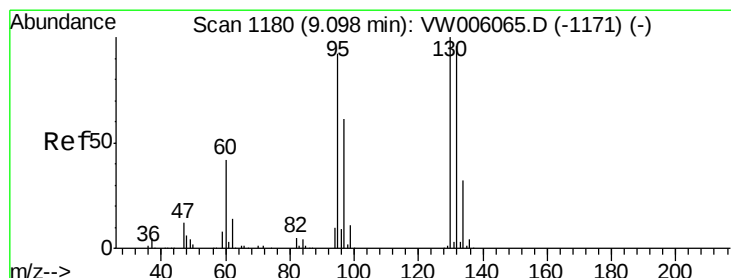
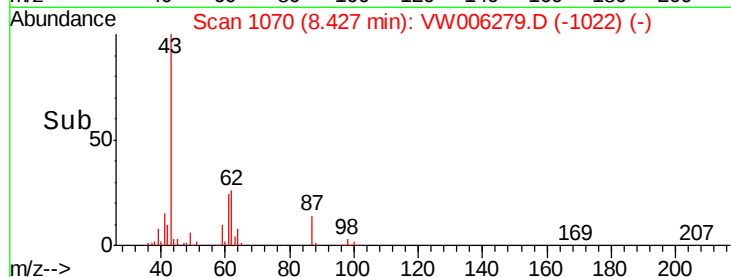
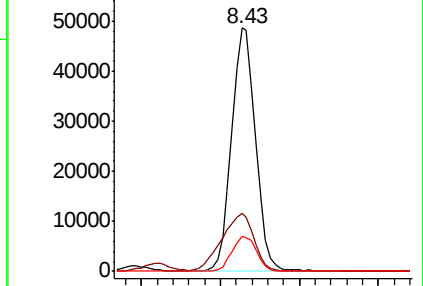
87 14.7 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 48.971 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006279.D

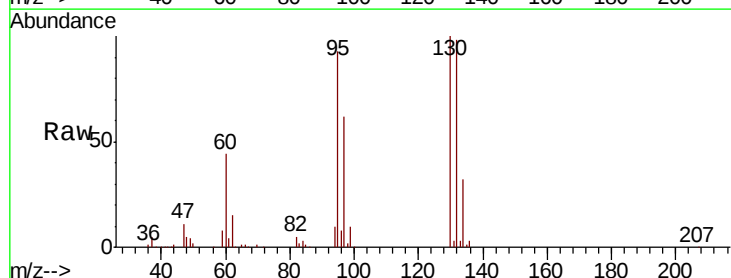
Acq: 23 Oct 2018 05:21

Tgt Ion: 130 Resp: 82380

Ion Ratio Lower Upper

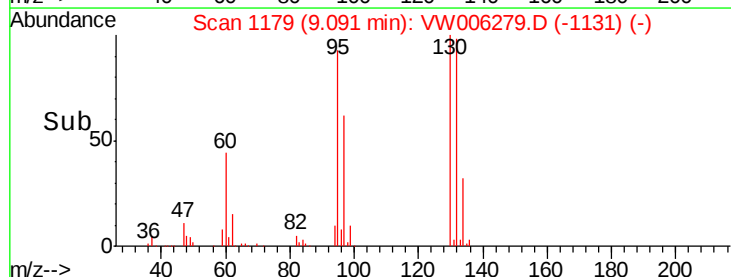
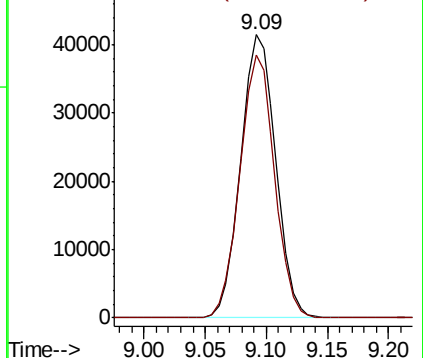
130 100

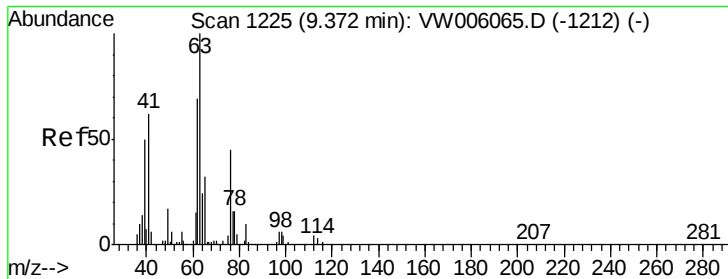
95 92.9 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

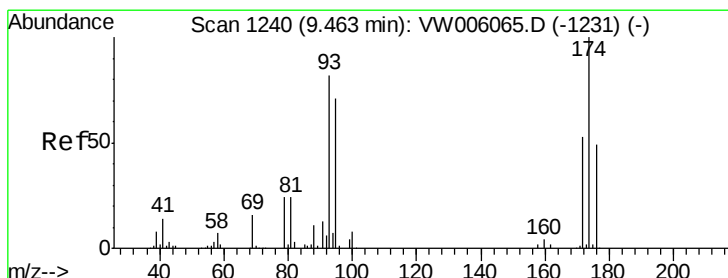
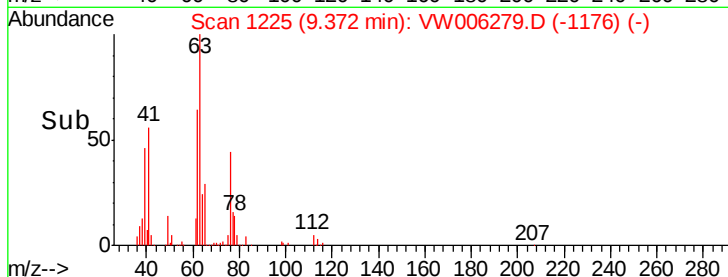
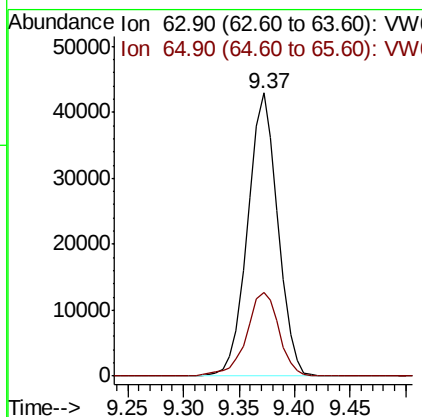
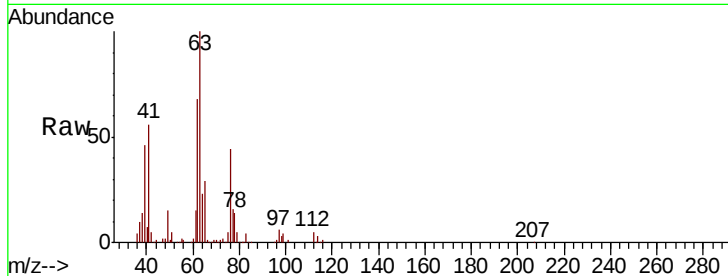




#45
 1,2-Dichloropropane
 Concen: 61.651 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

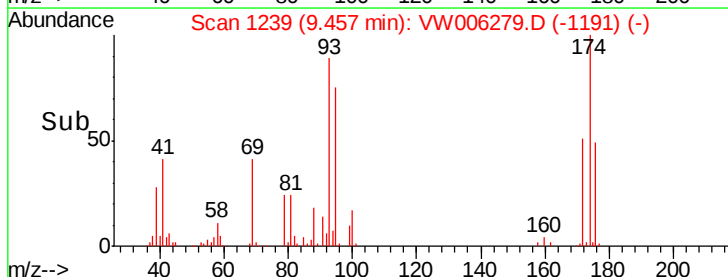
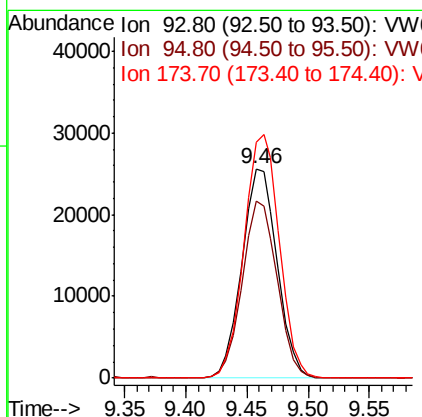
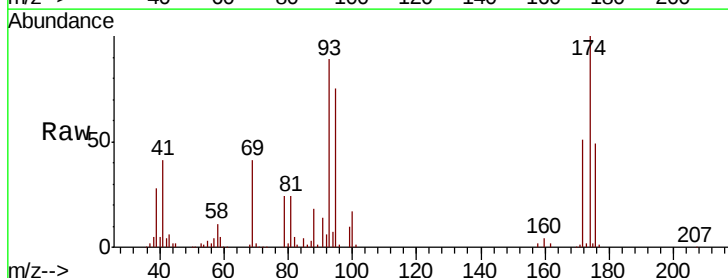
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

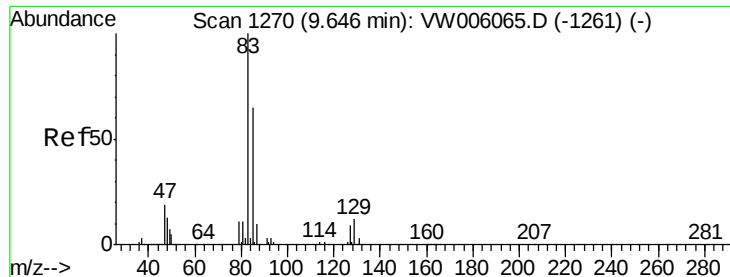
Tot Ion: 63 Resp: 80890
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.4 38.0



#46
 Dibromomethane
 Concen: 68.660 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion: 93 Resp: 51345
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.7 101.5
 174 116.4 93.7 140.5





#47

Bromodichloromethane

Concen: 56.967 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

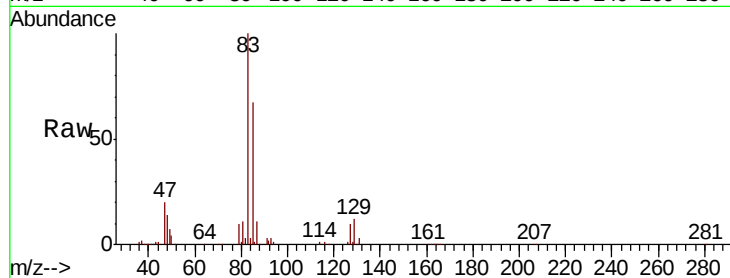
Tot Ion: 83 Resp: 103283

Ion Ratio Lower Upper

83 100

85 66.9 51.8 77.8

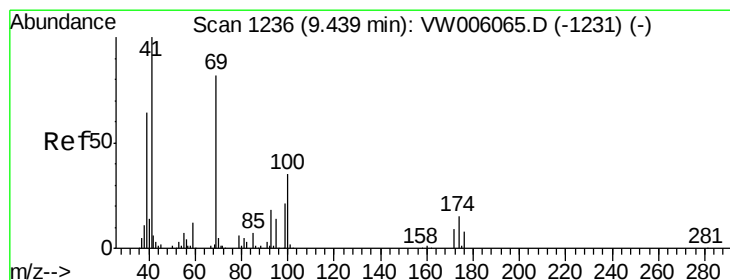
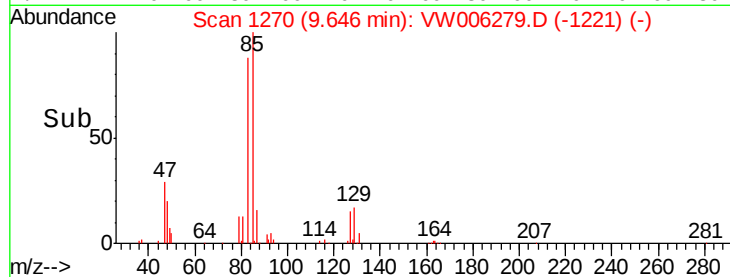
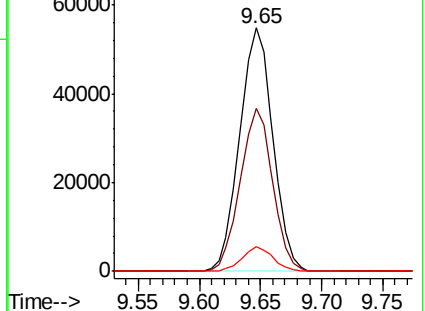
127 10.1 6.9 10.3



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: 91.953 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

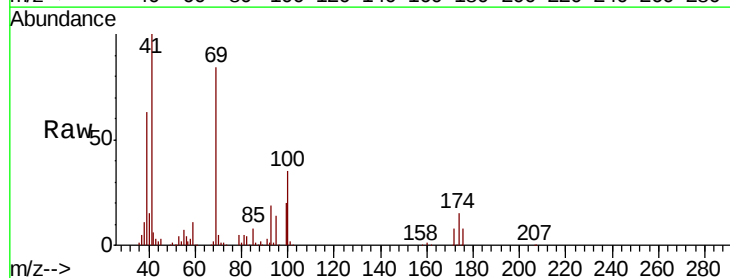
Tgt Ion: 41 Resp: 66186

Ion Ratio Lower Upper

41 100

69 87.7 71.8 107.8

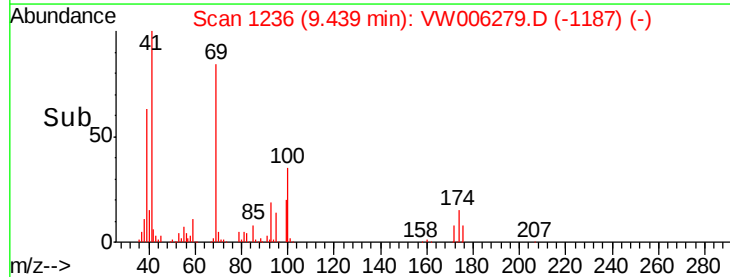
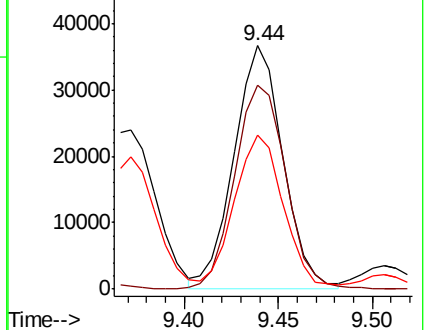
39 63.4 52.5 78.7

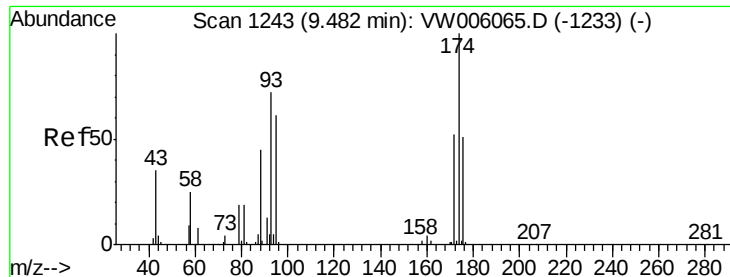


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1577.693 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

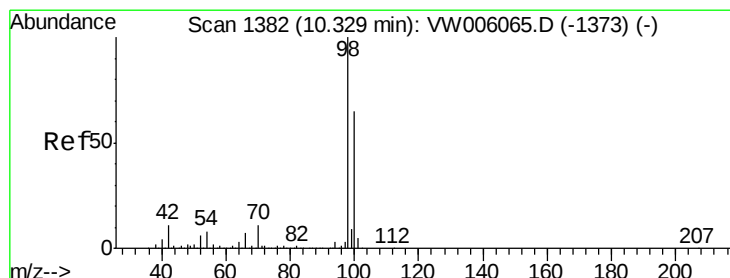
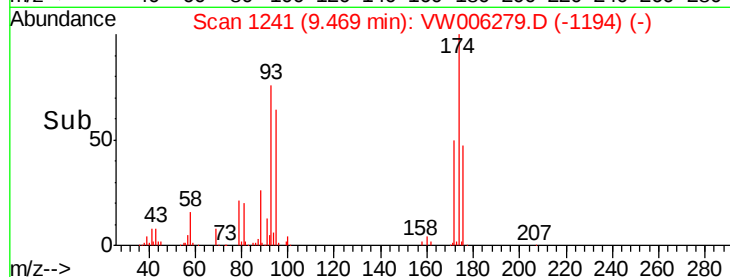
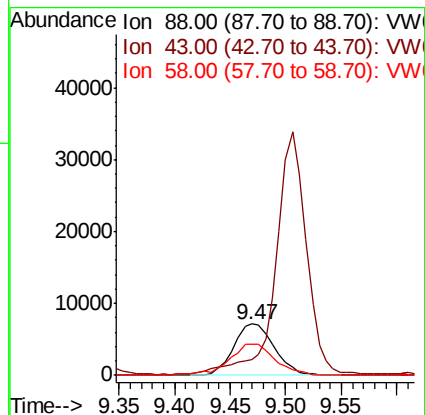
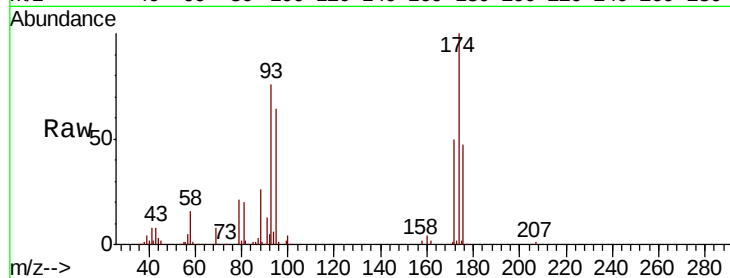
Tot Ion: 88 Resp: 18163

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 68.9 51.2 76.8



#50

Toluene-d8

Concen: 41.962 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006279.D

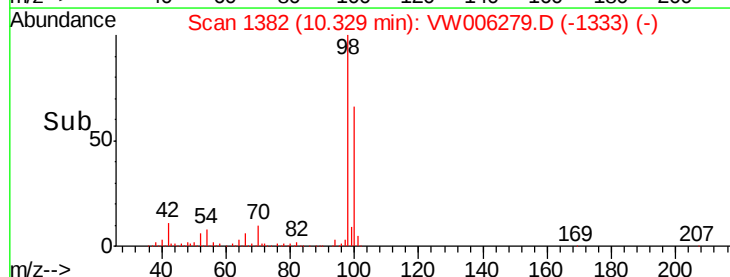
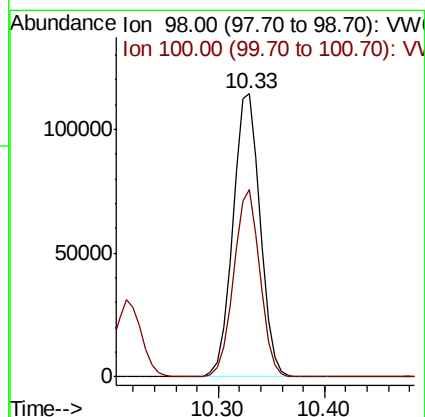
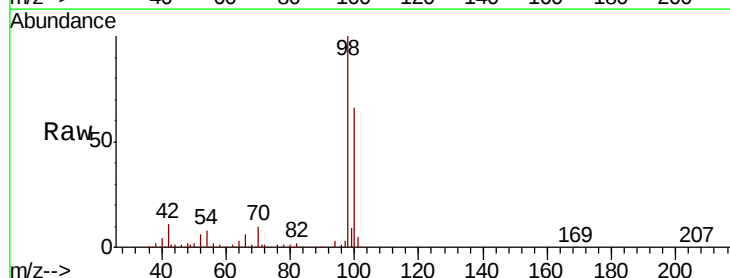
Acq: 23 Oct 2018 05:21

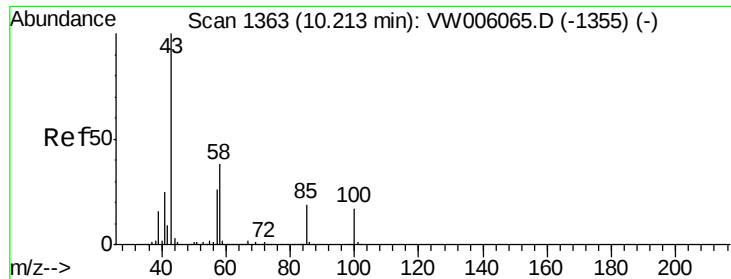
Tgt Ion: 98 Resp: 204578

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 398.568 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

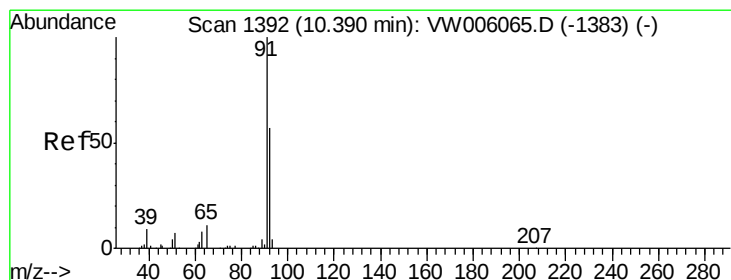
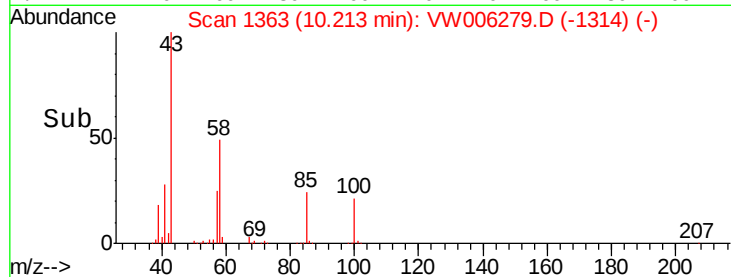
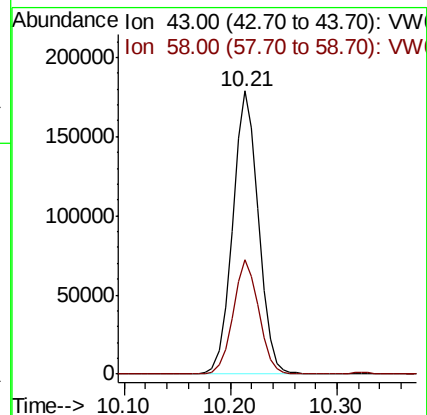
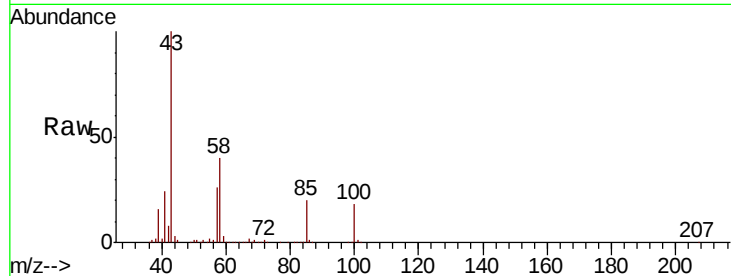
PA-SB-01BMSD

Tot Ion: 43 Resp: 303237

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3



#52

Toluene

Concen: 46.520 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006279.D

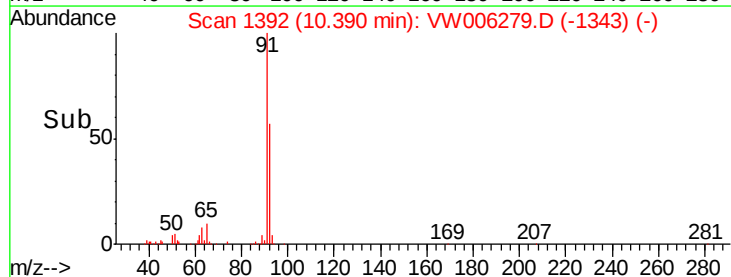
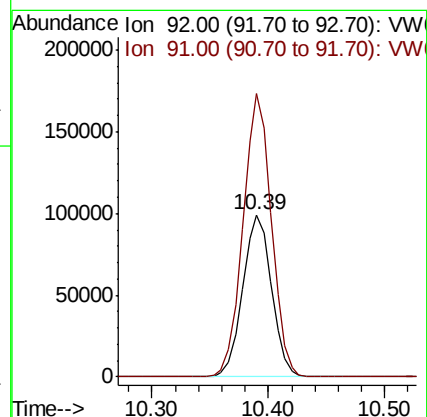
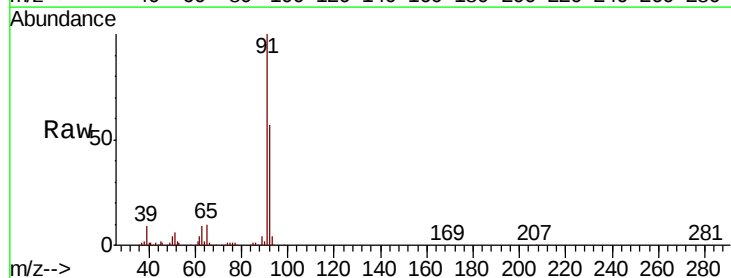
Acq: 23 Oct 2018 05:21

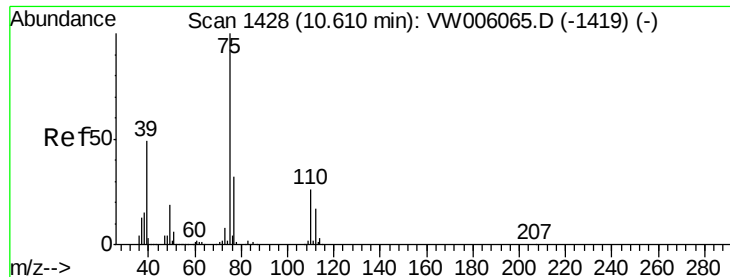
Tgt Ion: 92 Resp: 171008

Ion Ratio Lower Upper

92 100

91 172.5 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 54.661 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

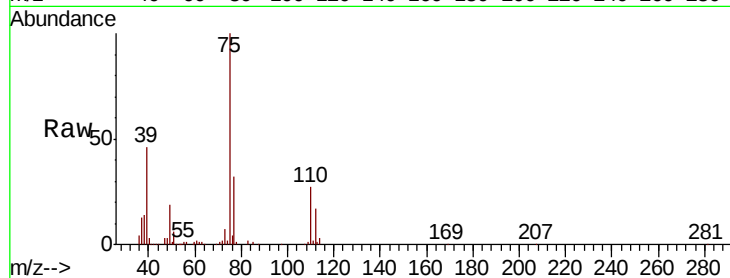
PA-SB-01BMSD

Tot Ion: 75 Resp: 98738

Ion Ratio Lower Upper

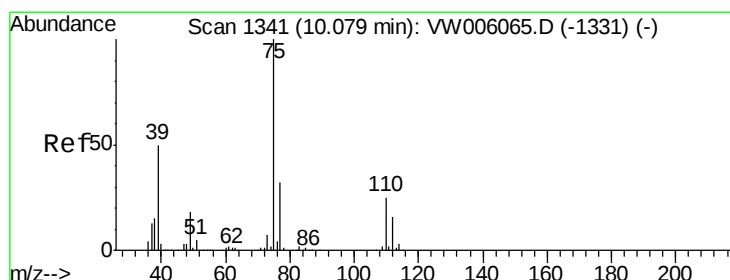
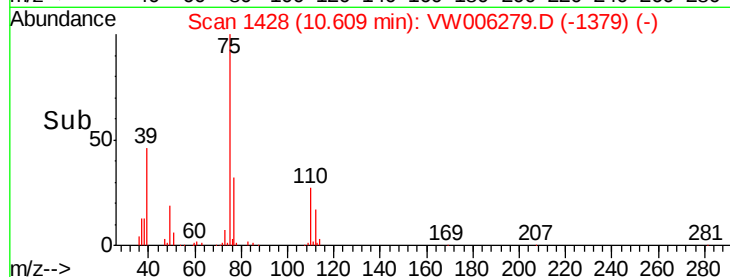
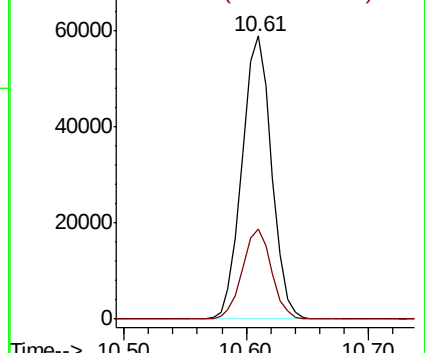
75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 56.699 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

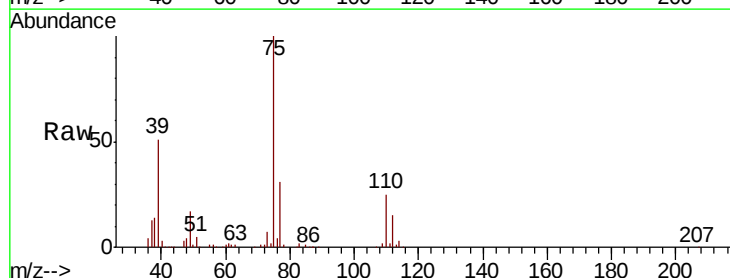
Tgt Ion: 75 Resp: 117547

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

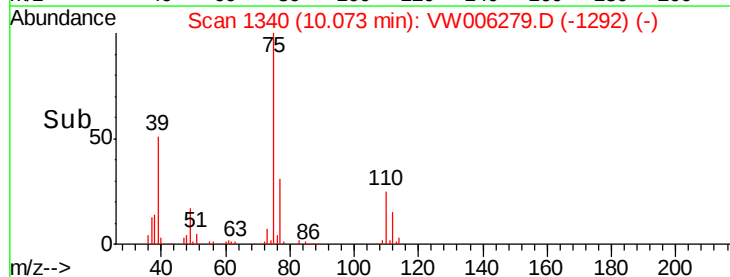
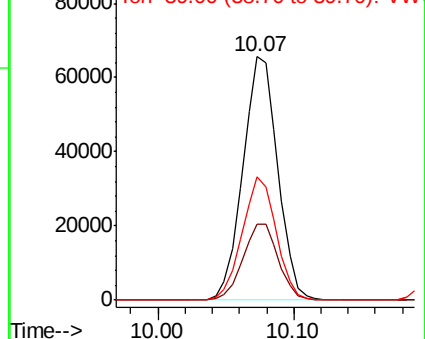
39 50.7 39.9 59.9

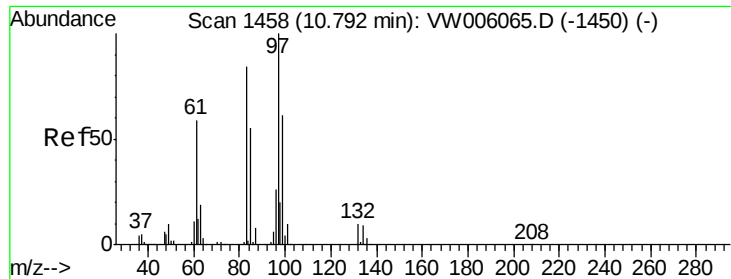


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 63.558 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

Tot Ion: 97 Resp: 66513

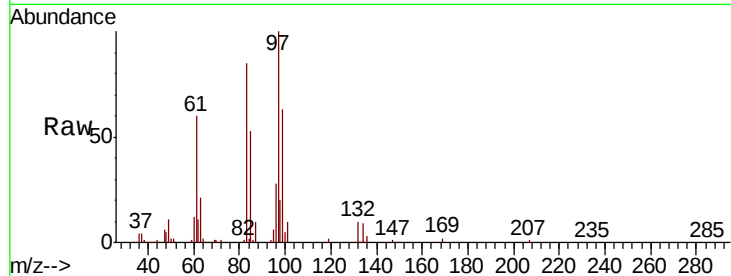
Ion Ratio Lower Upper

97 100

83 84.6 67.2 100.8

85 52.6 43.7 65.5

99 62.7 48.5 72.7

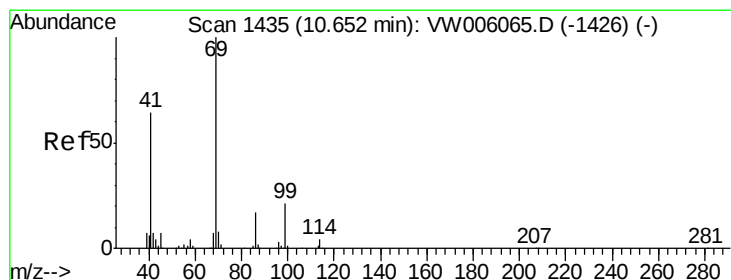
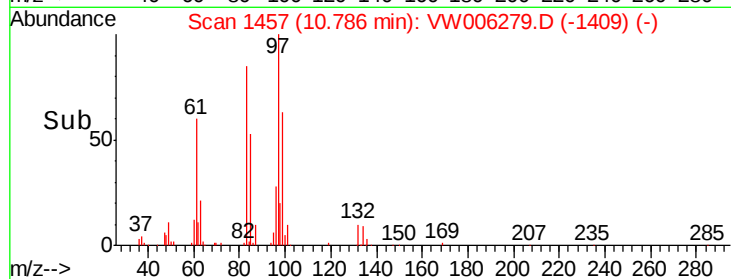
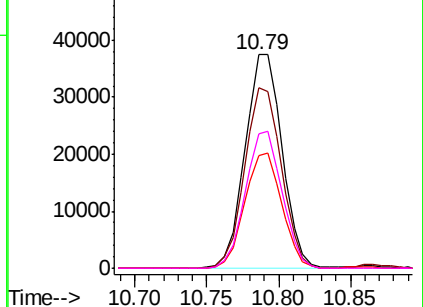


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 59.261 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

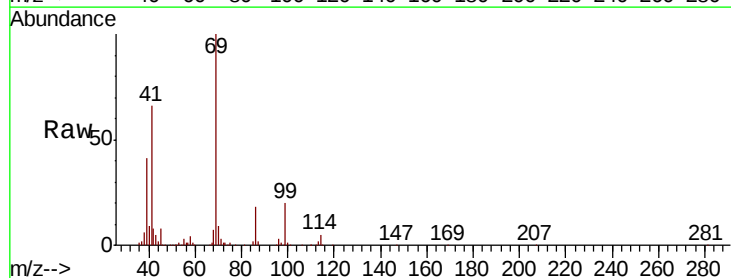
Tgt Ion: 69 Resp: 76027

Ion Ratio Lower Upper

69 100

41 63.8 52.8 79.2

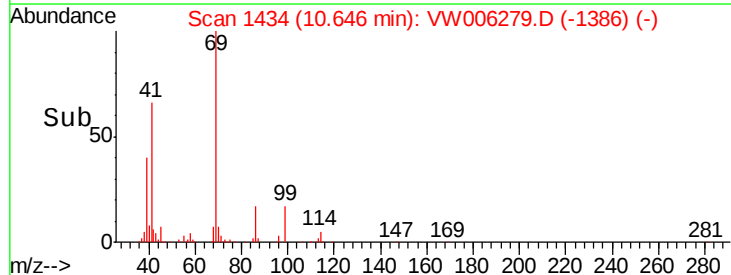
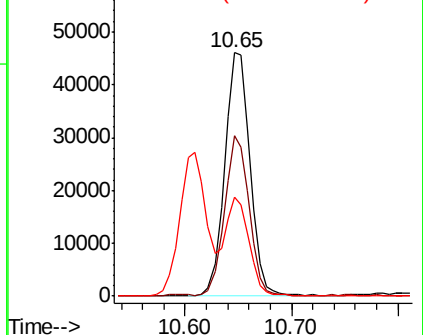
39 39.0 30.6 45.8

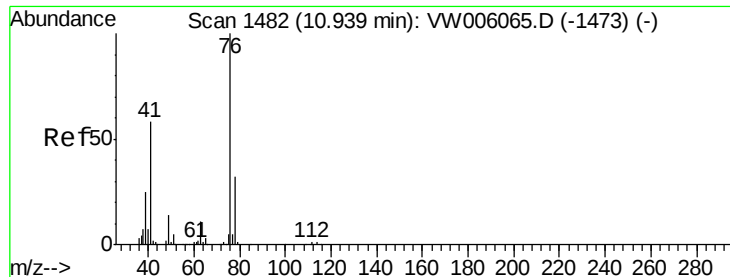


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

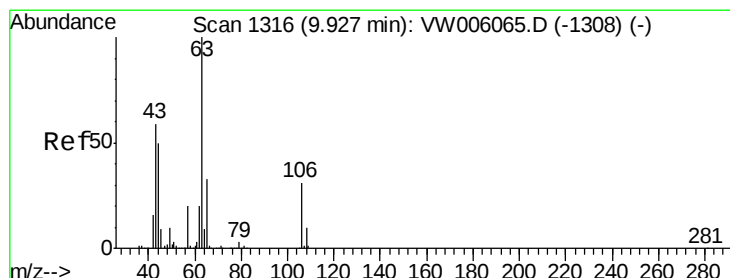
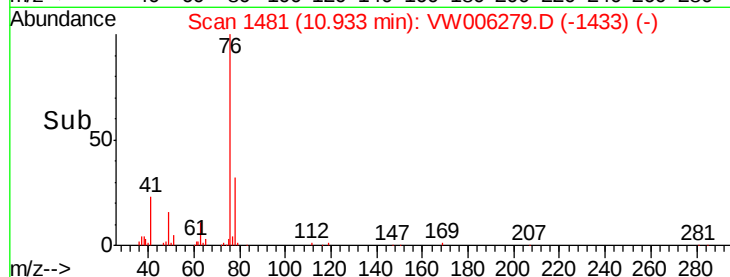
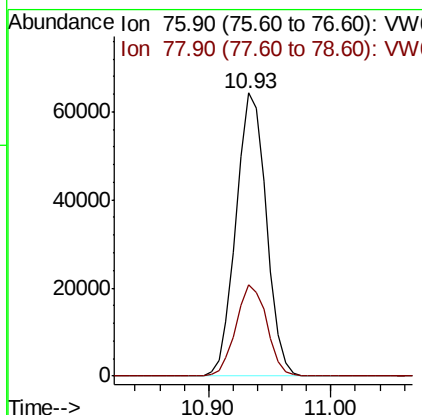
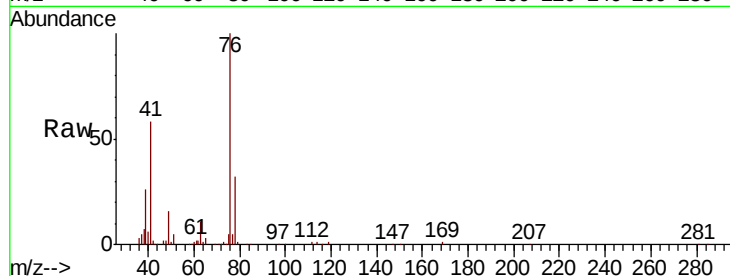




#57
 1,3-Dichloropropane
 Concen: 63.530 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

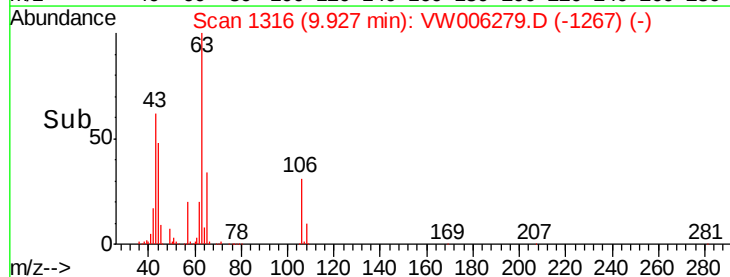
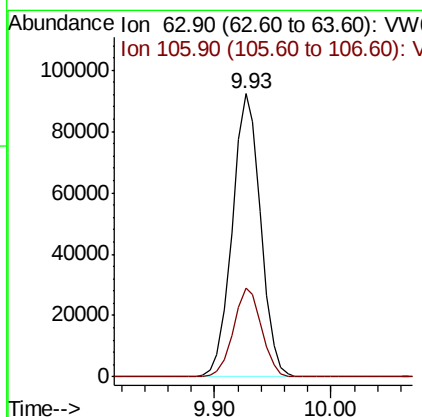
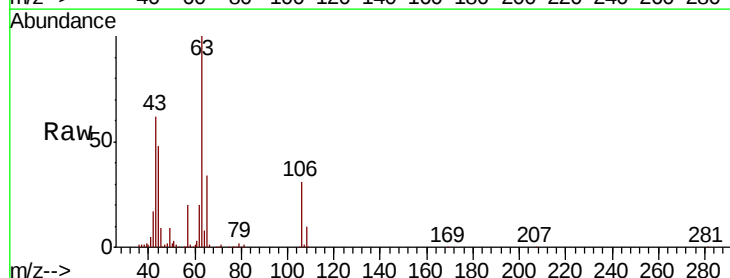
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

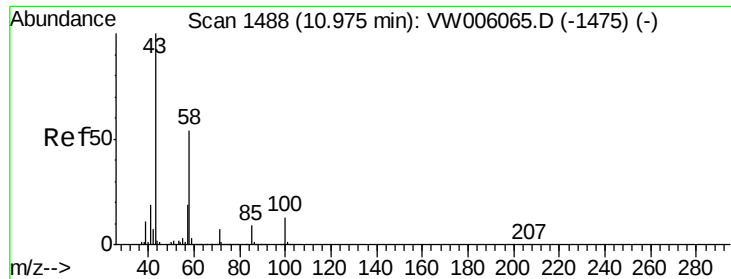
Tot Ion: 76 Resp: 110057
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 317.827 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion: 63 Resp: 155803
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.5 36.7

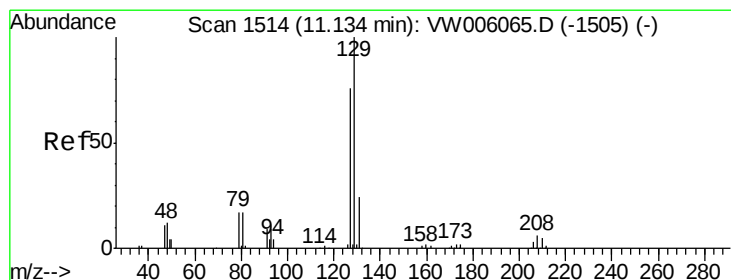
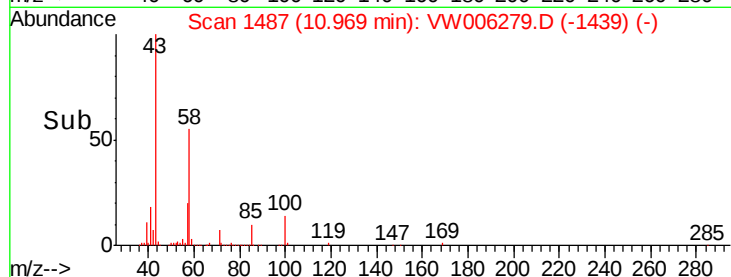
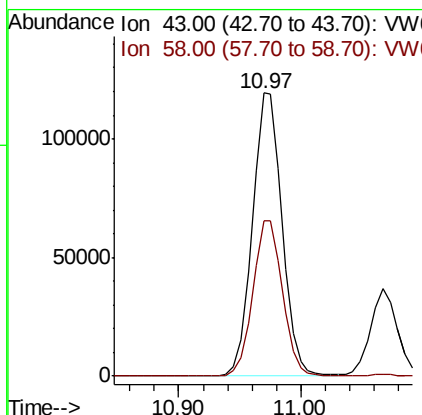
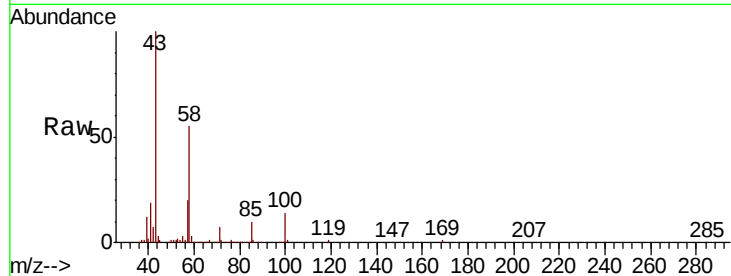




#59
2-Hexanone
Concen: 370.990 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

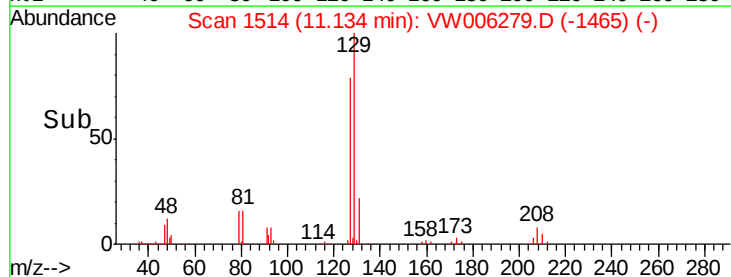
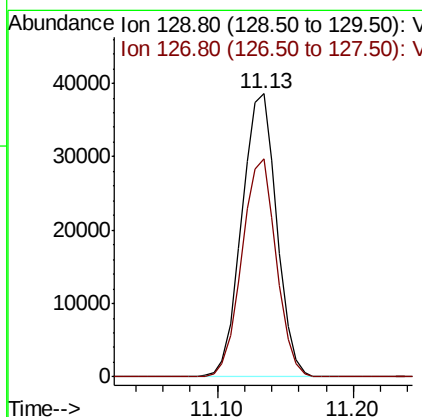
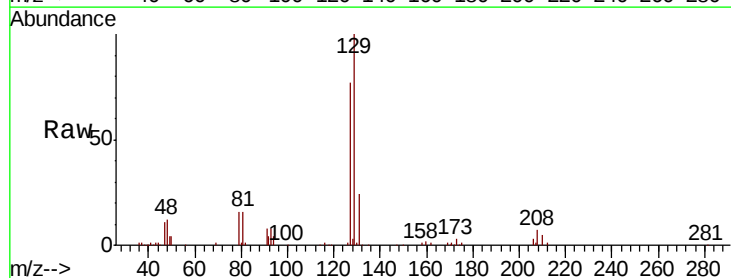
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

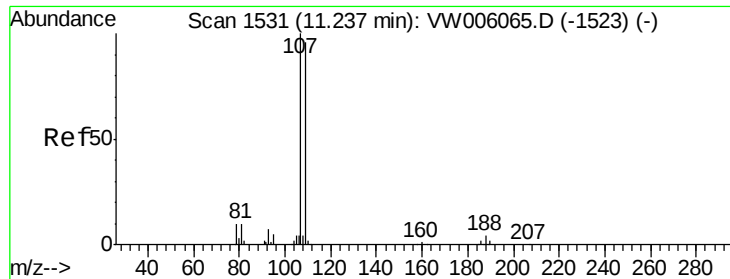
Tot Ion: 43 Resp: 201484
Ion Ratio Lower Upper
43 100
58 55.0 26.9 80.6



#60
Dibromochloromethane
Concen: 53.198 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion: 129 Resp: 69344
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.7

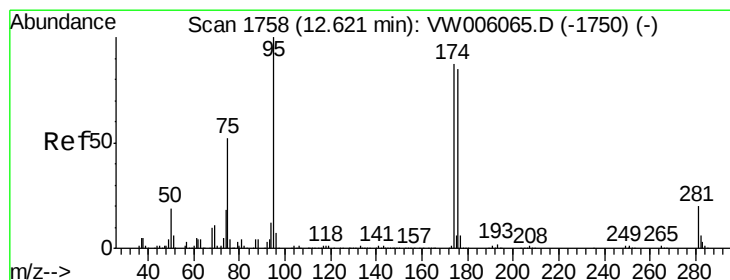
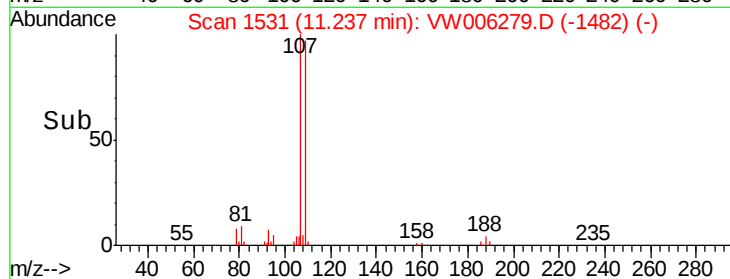
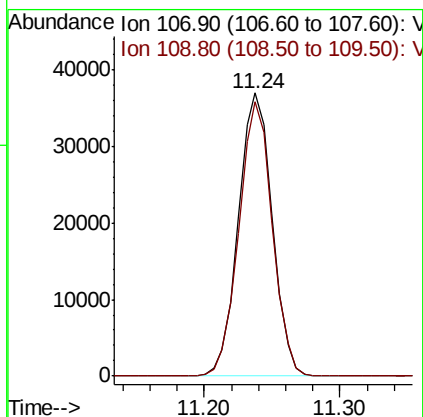
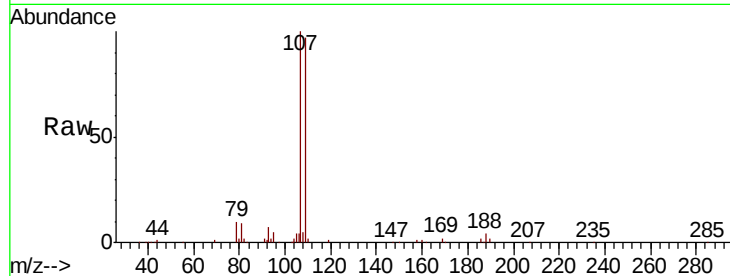




#61
 1,2-Dibromoethane
 Concen: 61.355 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

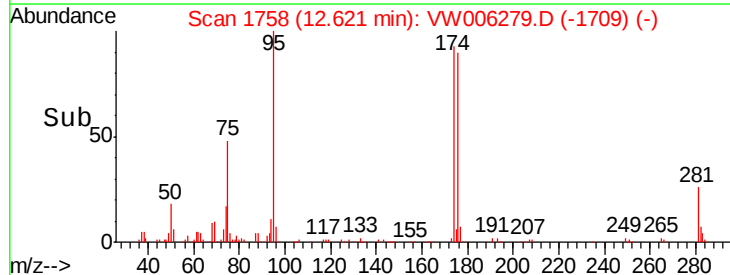
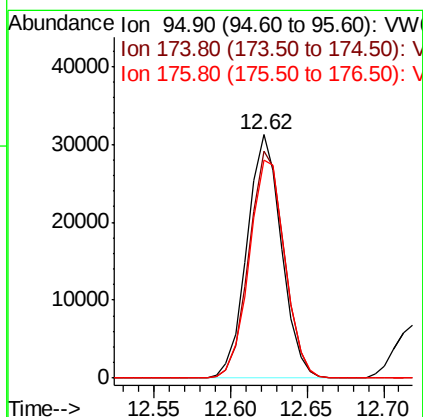
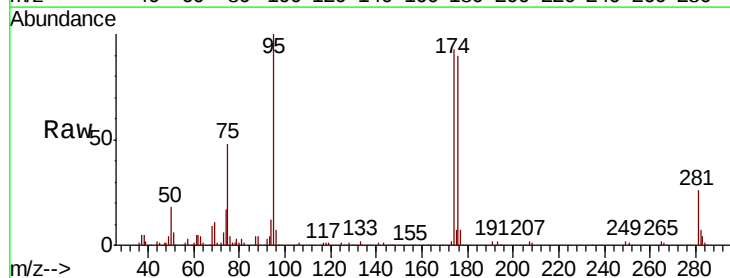
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

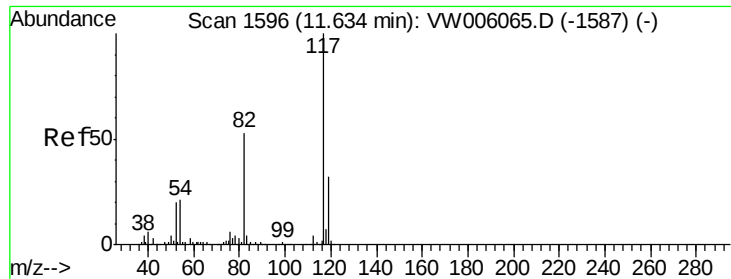
Tot Ion:107 Resp: 64155
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 26.688 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion: 95 Resp: 48868
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 186.0
 176 92.9 0.0 181.6

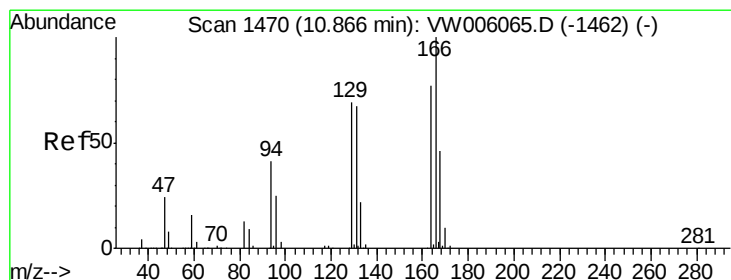
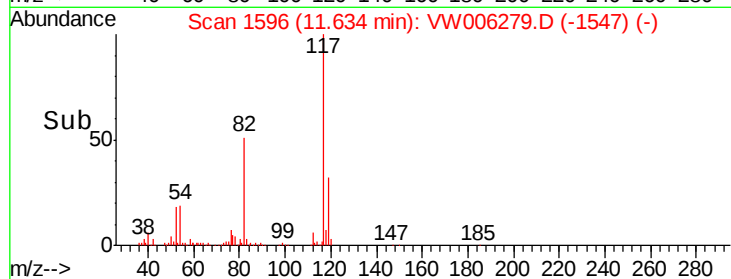
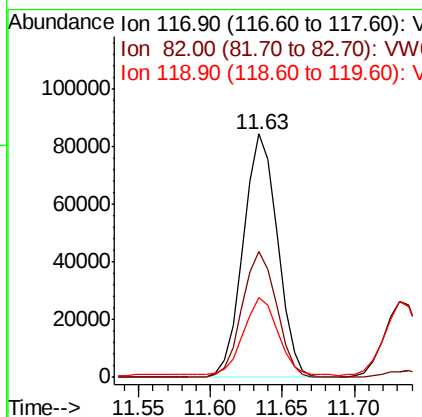
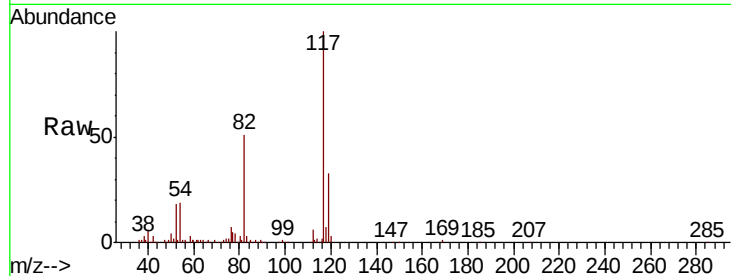




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

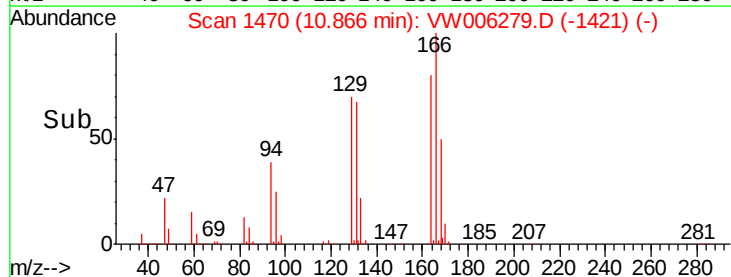
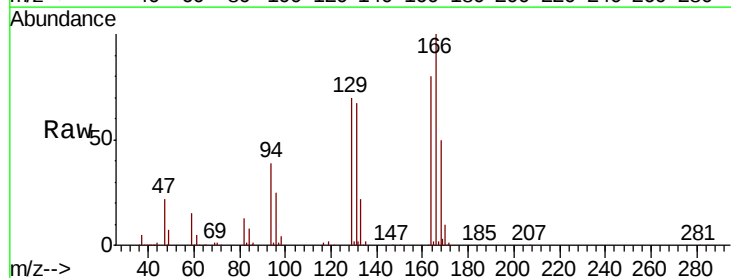
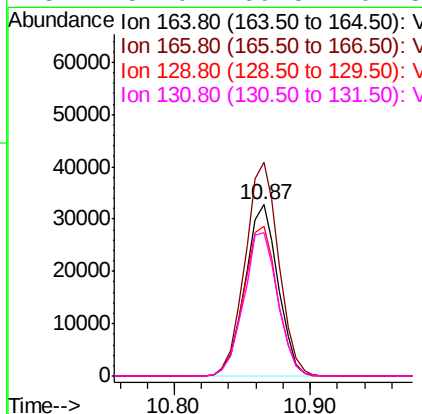
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

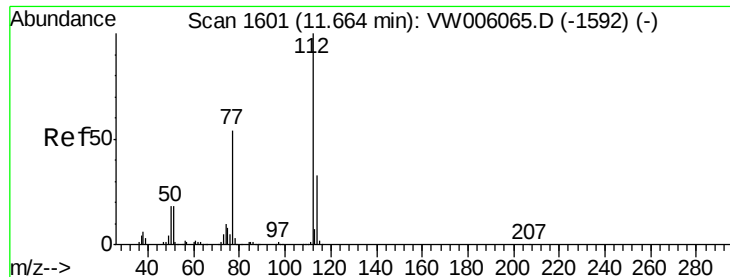
Tot Ion:117 Resp: 138804
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 51.551 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:164 Resp: 55548
Ion Ratio Lower Upper
164 100
166 124.9 103.4 155.0
129 87.3 71.8 107.8
131 84.0 69.5 104.3

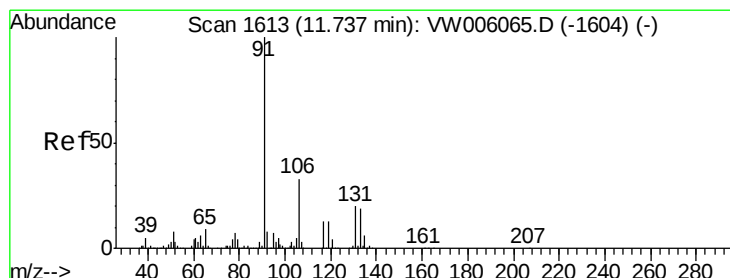
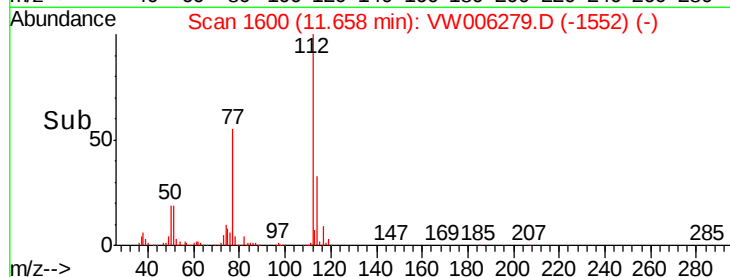
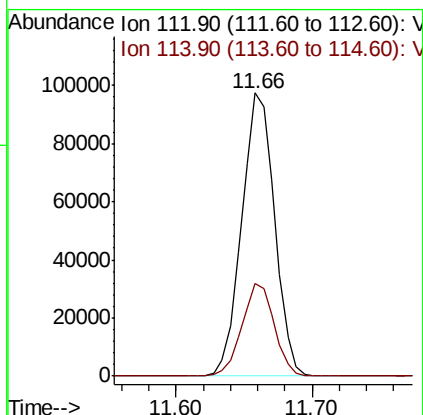
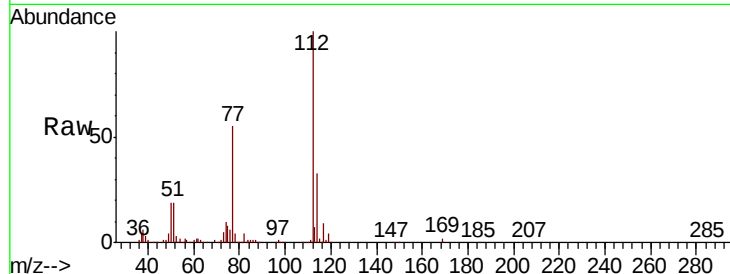




#65
Chlorobenzene
Concen: 55.477 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

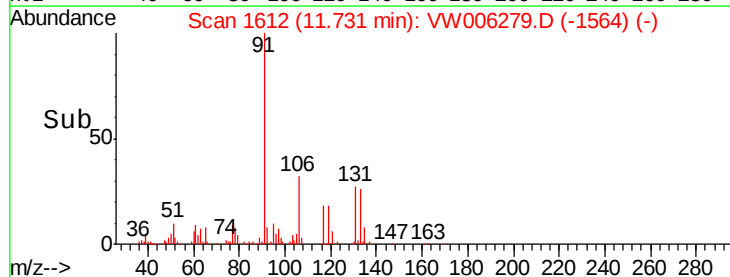
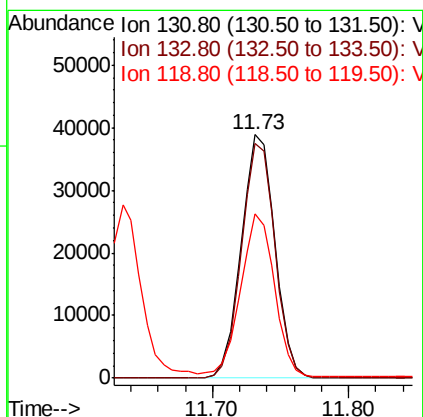
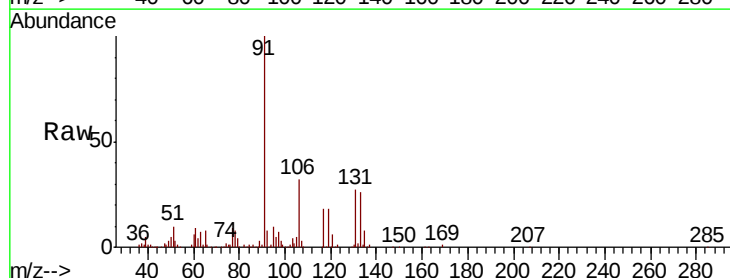
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

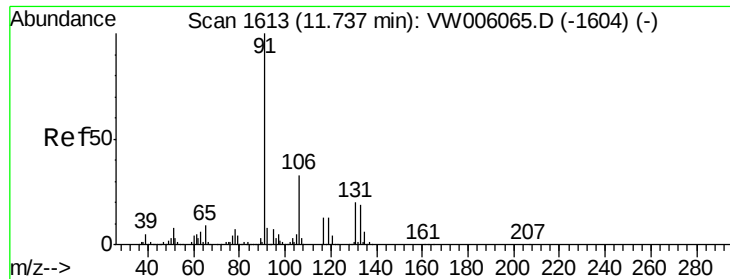
Tot Ion:112 Resp: 164843
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 63.534 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:131 Resp: 67090
Ion Ratio Lower Upper
131 100
133 96.3 48.1 144.3
119 67.5 31.6 94.7

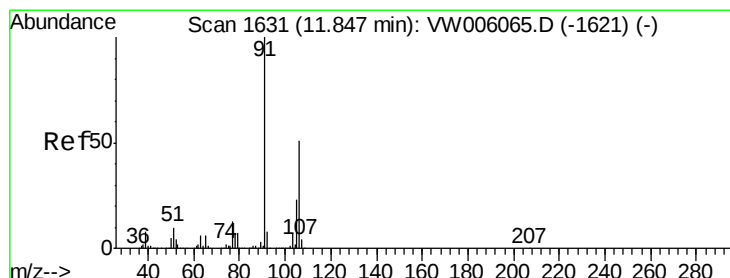
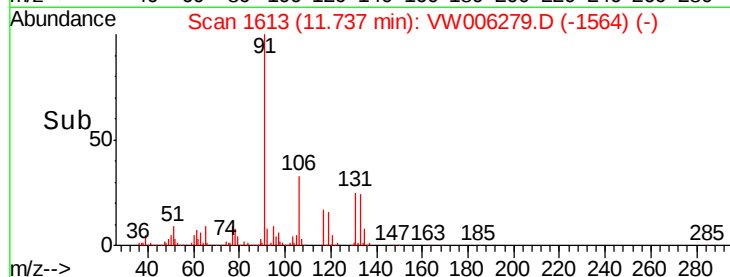
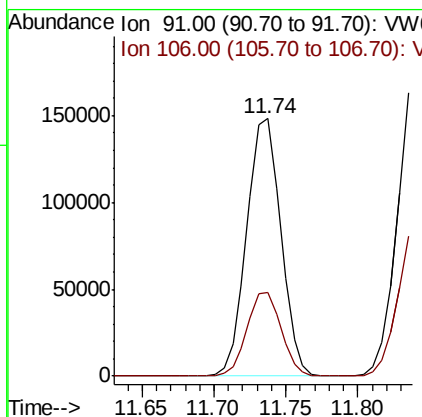
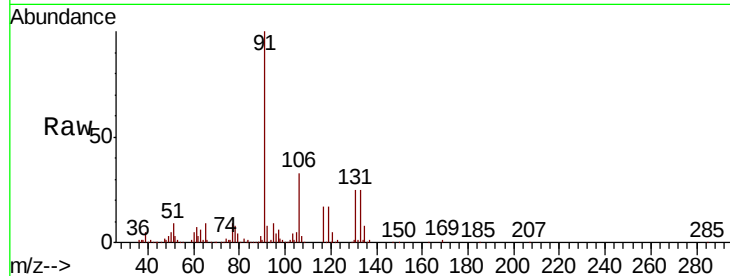




#67
Ethyl Benzene
Concen: 47.363 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

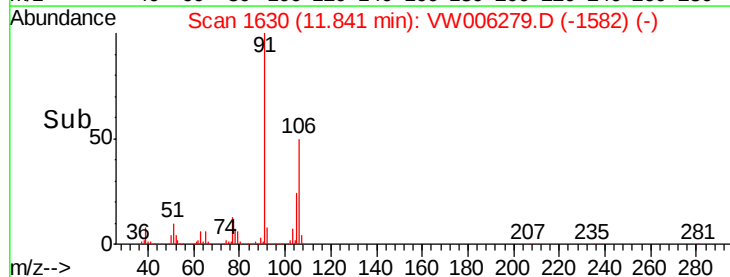
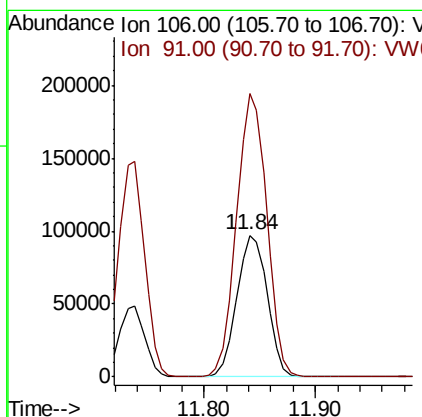
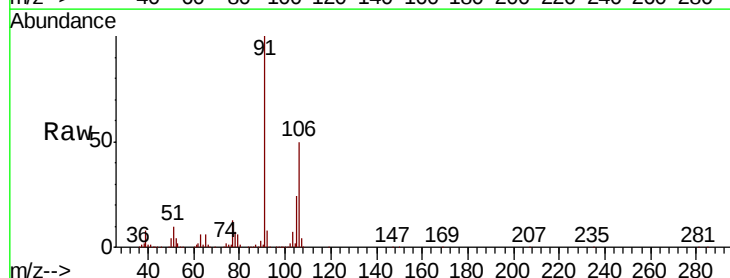
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

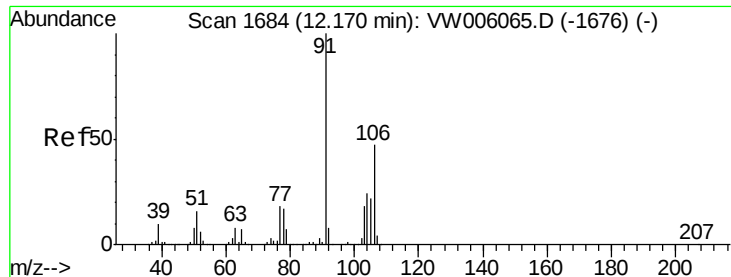
Tot Ion: 91 Resp: 243898
Ion Ratio Lower Upper
91 100
106 32.7 26.1 39.1



#68
m/p-Xylenes
Concen: 90.445 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:106 Resp: 184088
Ion Ratio Lower Upper
106 100
91 198.5 159.1 238.7

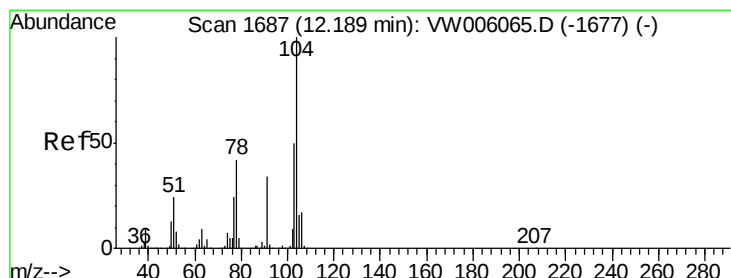
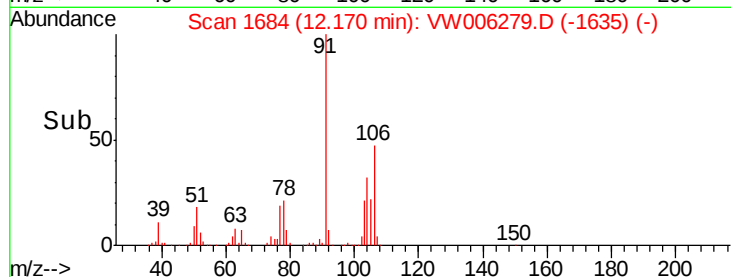
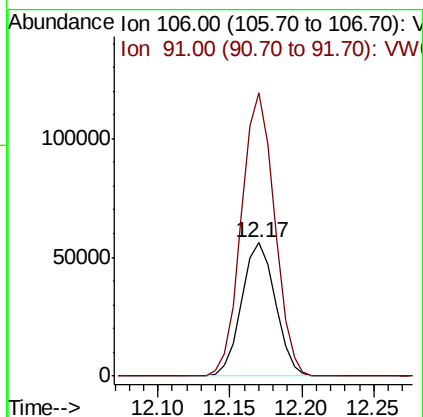
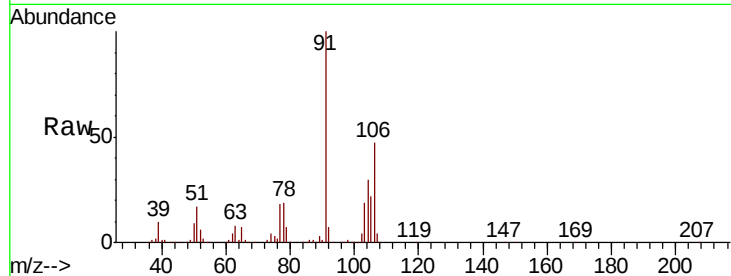




#69
o-Xylene
Concen: 47.034 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

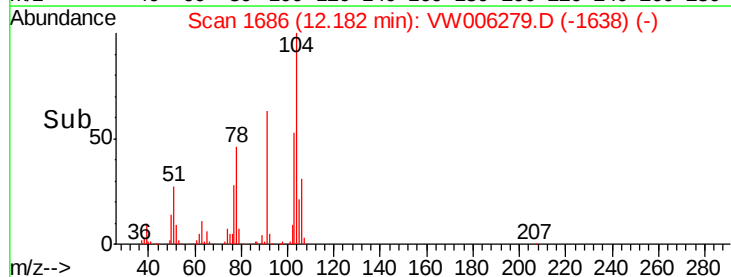
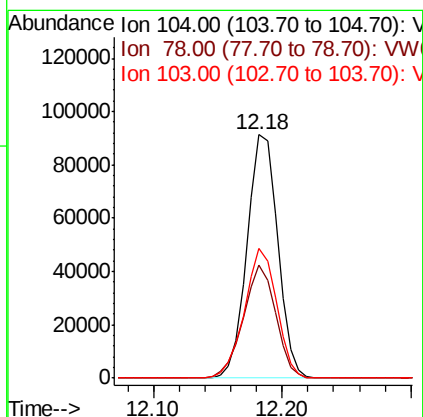
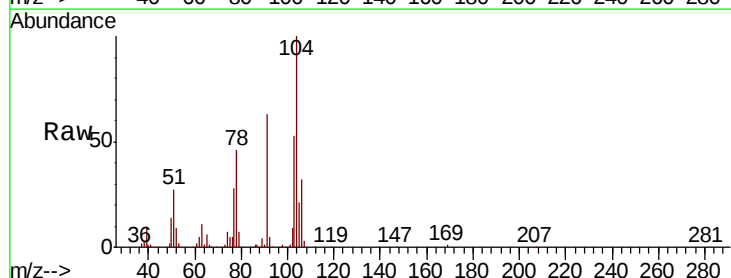
Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

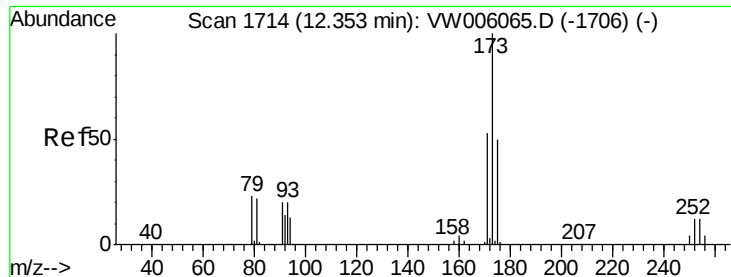
Tot Ion:106 Resp: 91234
Ion Ratio Lower Upper
106 100
91 208.9 105.4 316.1



#70
Styrene
Concen: 47.581 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:104 Resp: 150084
Ion Ratio Lower Upper
104 100
78 48.9 39.1 58.7
103 55.8 44.3 66.5





#71

Bromoform

Concen: 65.152 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

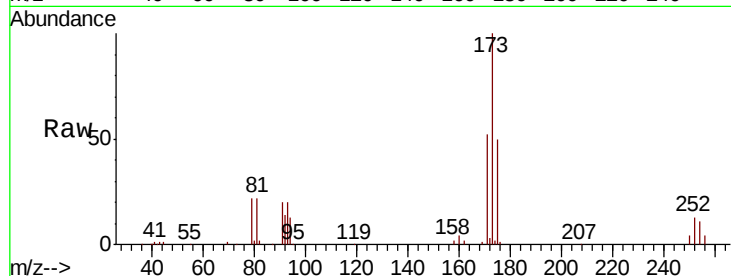
Tot Ion:173 Resp: 38374

Ion Ratio Lower Upper

173 100

175 48.9 24.2 72.6

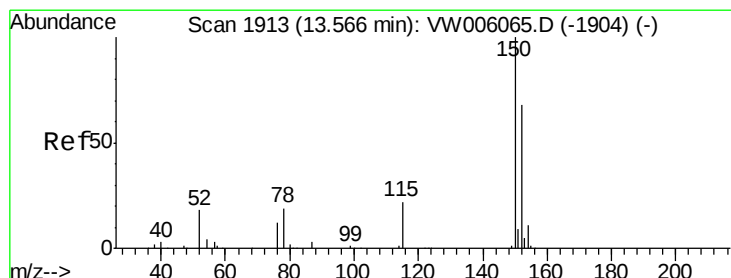
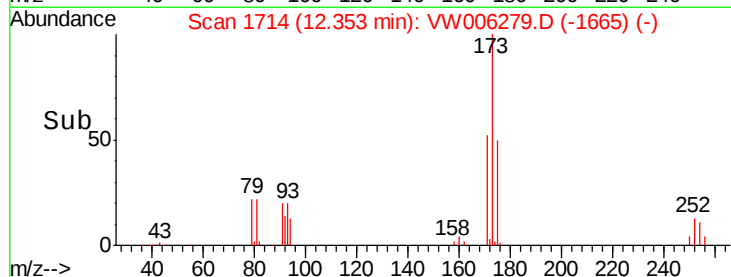
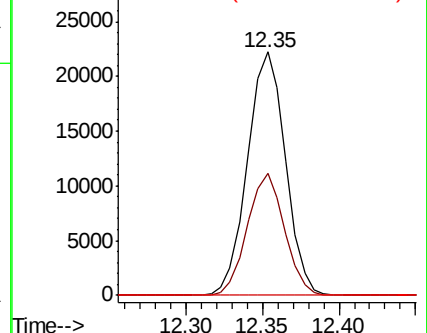
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

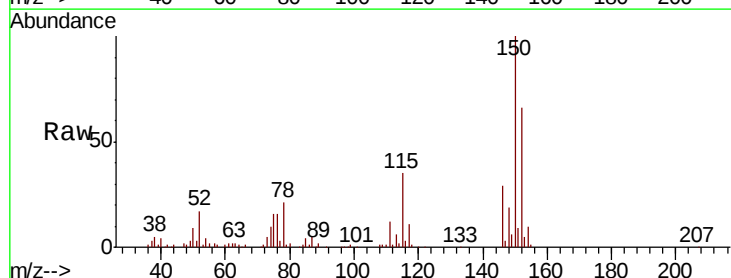
Tgt Ion:152 Resp: 38410

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

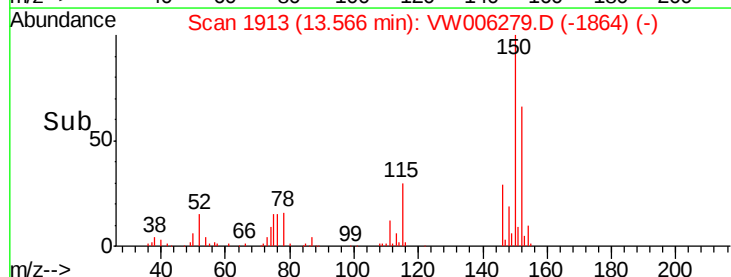
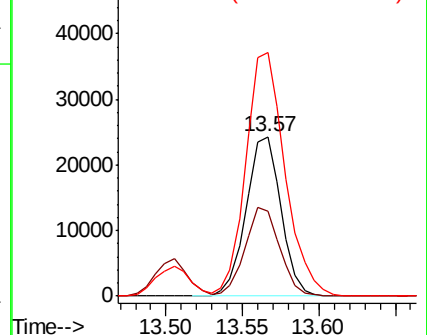
150 171.9 0.0 349.2

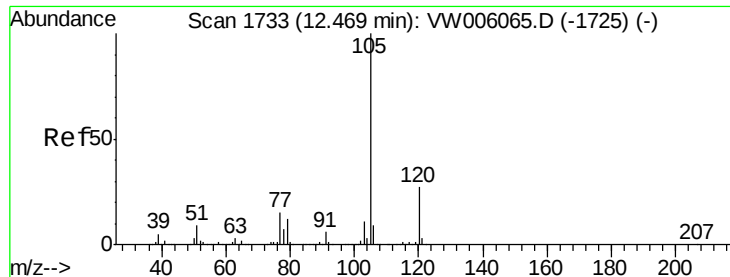


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 71.041 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

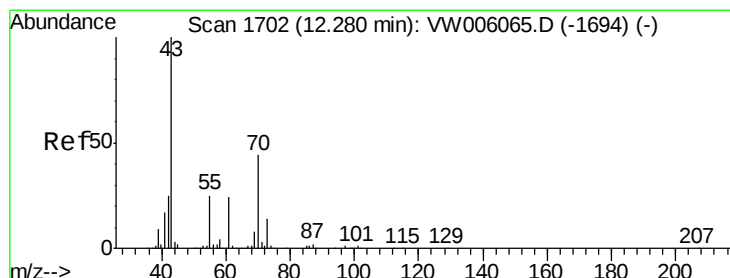
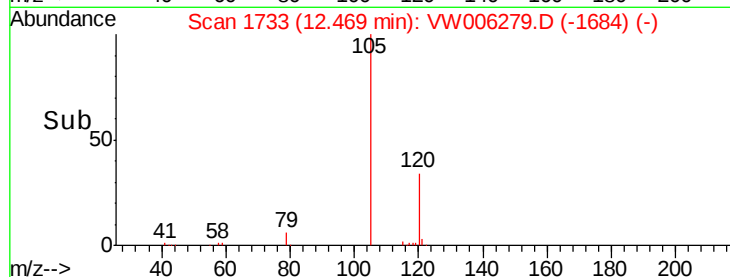
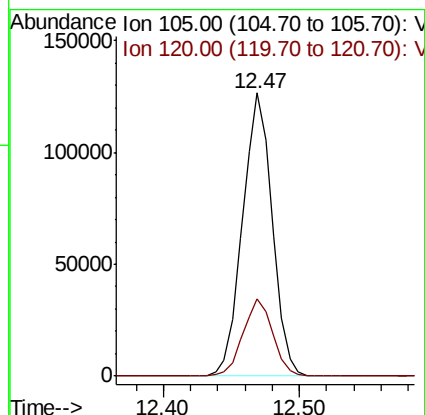
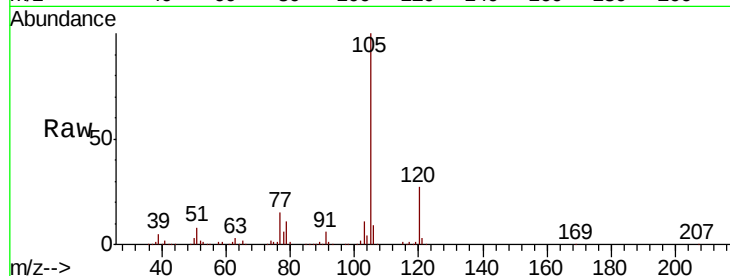
PA-SB-01BMSD

Tot Ion:105 Resp: 192772

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.7



#74

N-ethyl acetate

Concen: 86.601 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Tgt Ion: 43 Resp: 45643

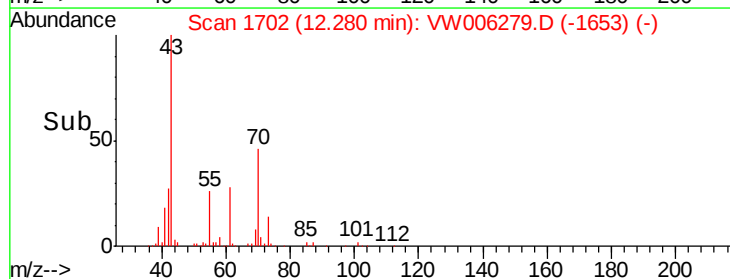
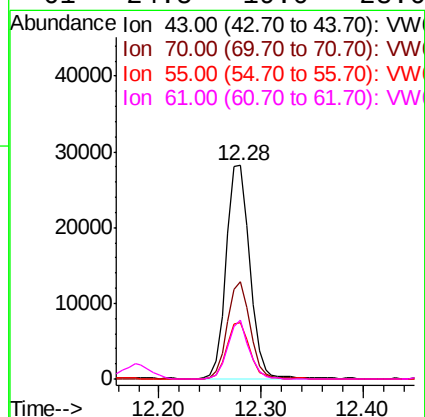
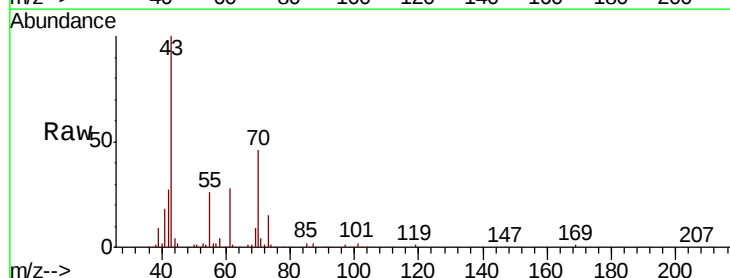
Ion Ratio Lower Upper

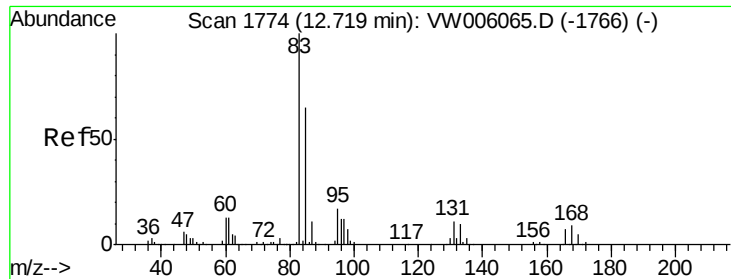
43 100

70 44.1 34.2 51.4

55 25.7 19.2 28.8

61 24.5 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 153.344 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

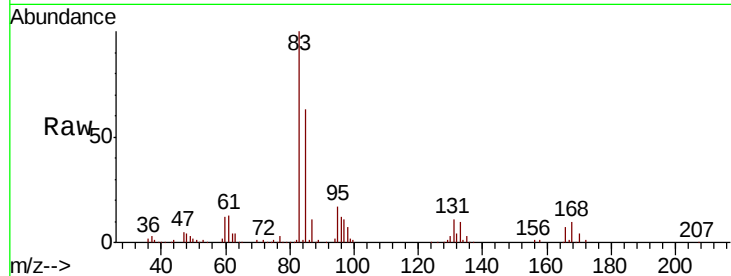
Tot Ion: 83 Resp: 63288

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.7

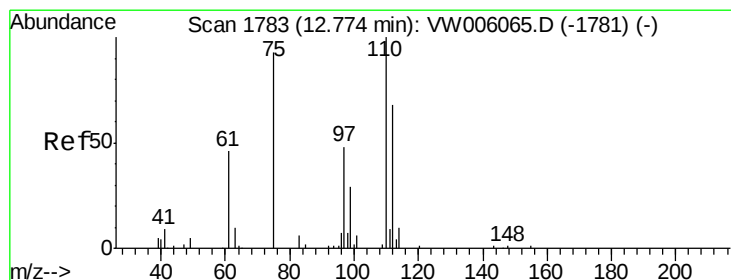
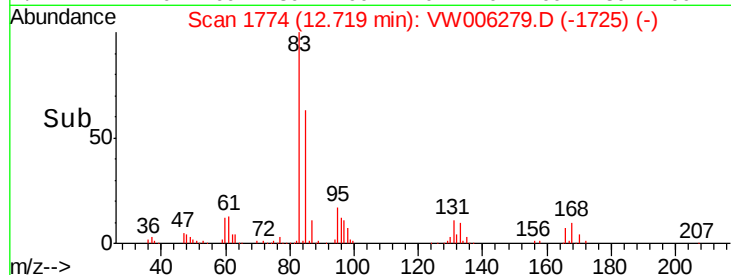
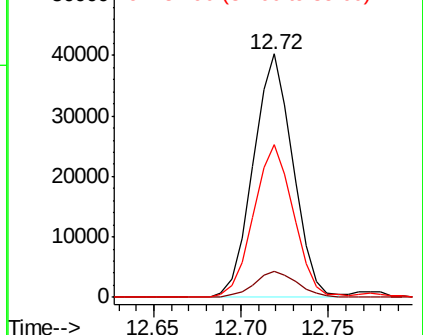
85 63.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 272.312 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006279.D

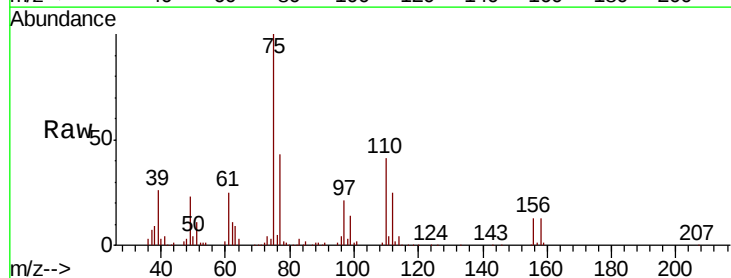
Acq: 23 Oct 2018 05:21

Tgt Ion: 75 Resp: 79890

Ion Ratio Lower Upper

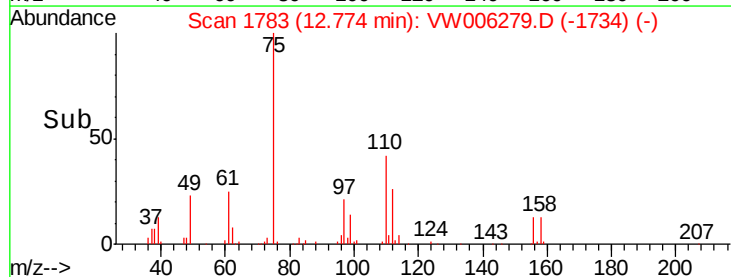
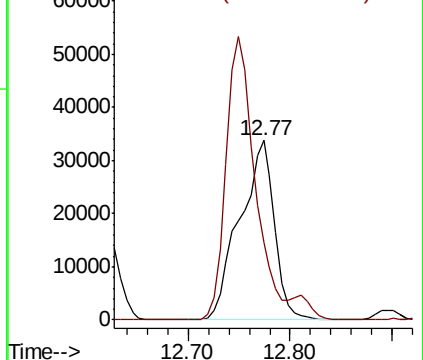
75 100

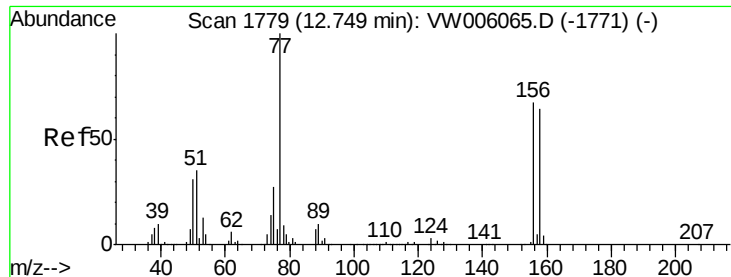
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 90.216 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

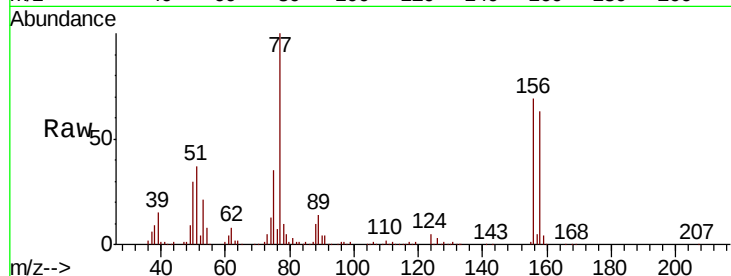
Tot Ion:156 Resp: 59961

Ion Ratio Lower Upper

156 100

77 175.7 79.1 237.4

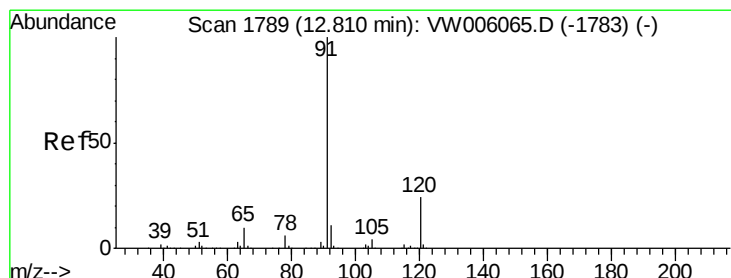
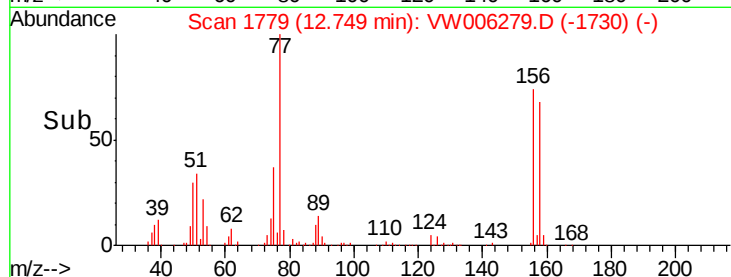
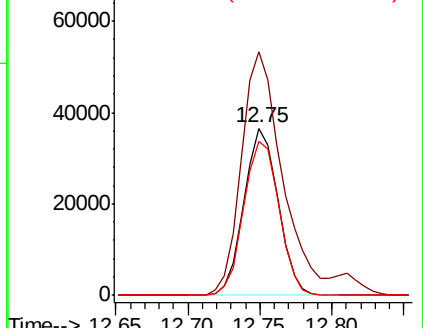
158 95.2 48.5 145.6



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: 59.298 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006279.D

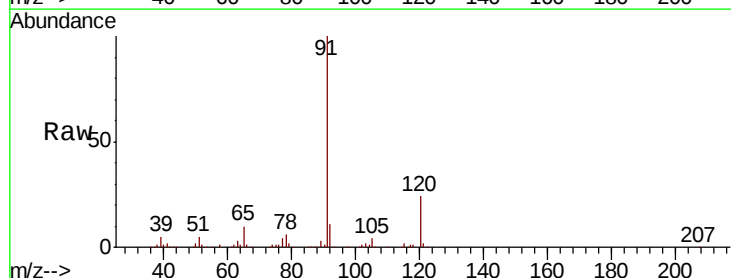
Acq: 23 Oct 2018 05:21

Tgt Ion: 91 Resp: 187203

Ion Ratio Lower Upper

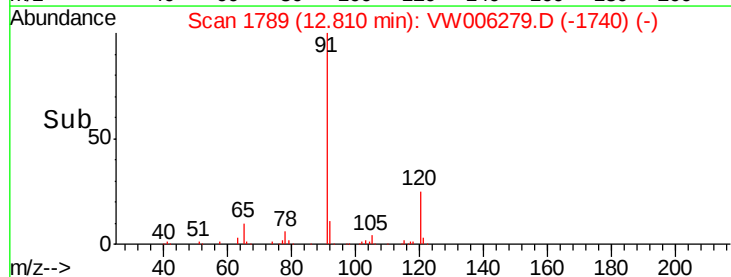
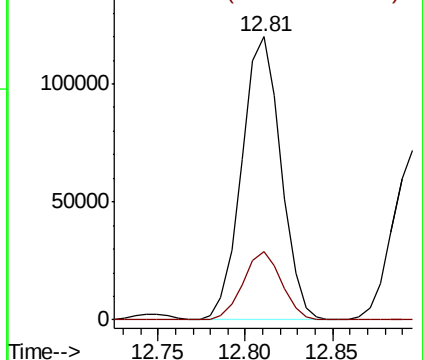
91 100

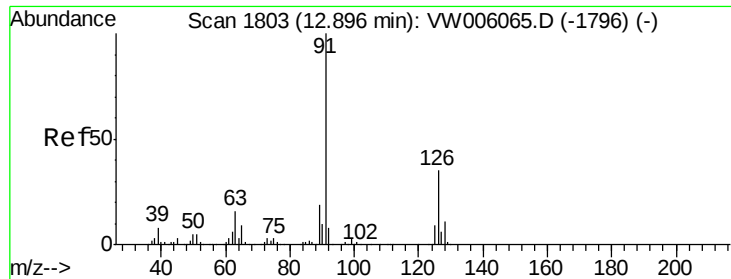
120 23.7 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 65.581 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

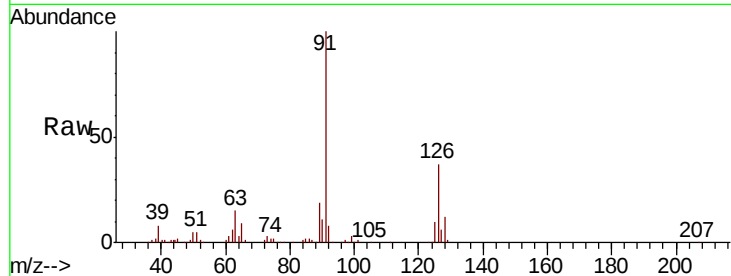
PA-SB-01BMSD

Tot Ion: 91 Resp: 116327

Ion Ratio Lower Upper

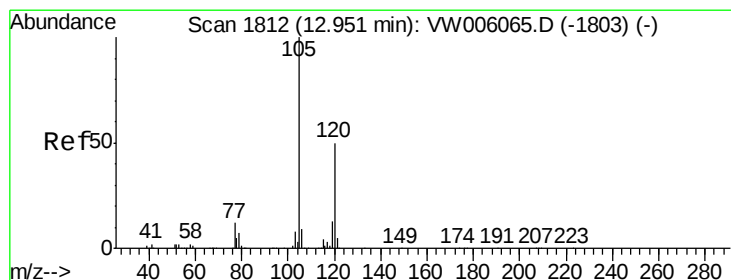
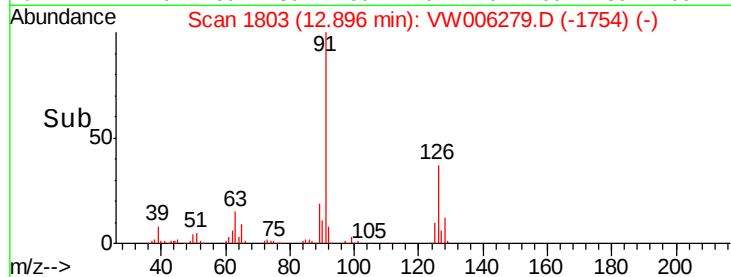
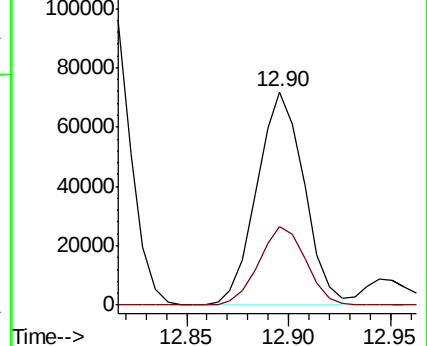
91 100

126 36.6 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.537 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006279.D

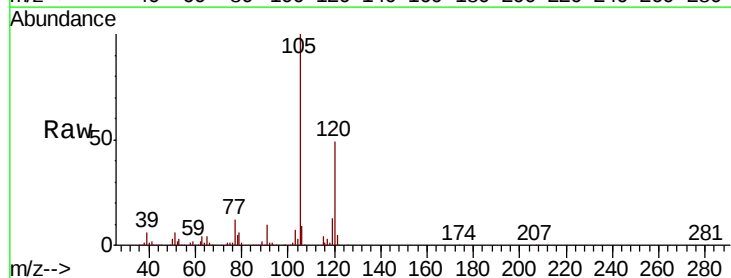
Acq: 23 Oct 2018 05:21

Tgt Ion:105 Resp: 129333

Ion Ratio Lower Upper

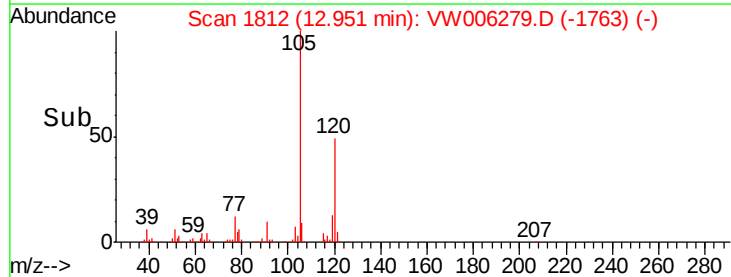
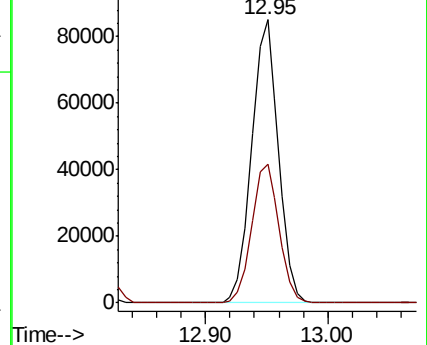
105 100

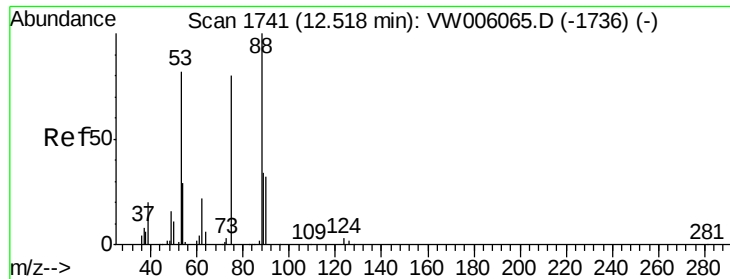
120 50.0 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 142.311 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

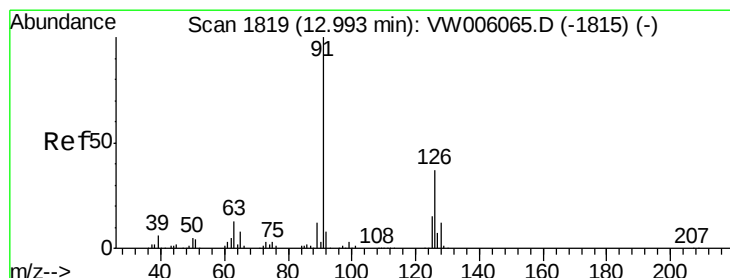
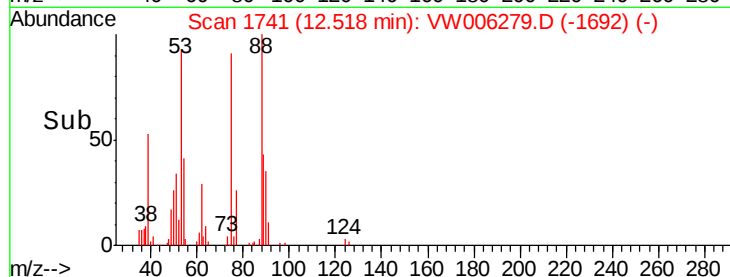
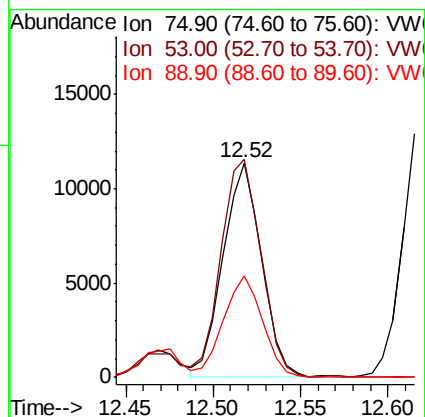
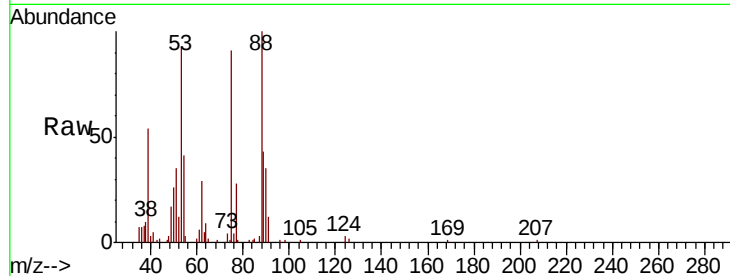
Tot Ion: 75 Resp: 17466

Ion Ratio Lower Upper

75 100

53 105.1 79.8 119.6

89 47.6 37.5 56.3



#82

4-Chlorotoluene

Concen: 64.198 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006279.D

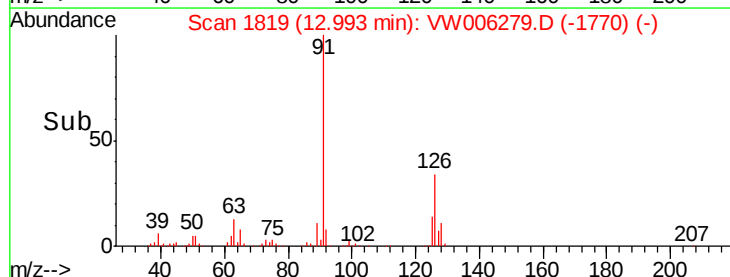
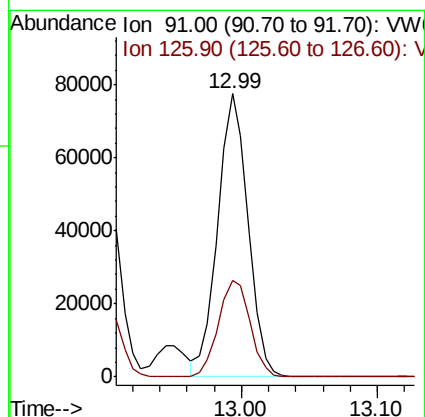
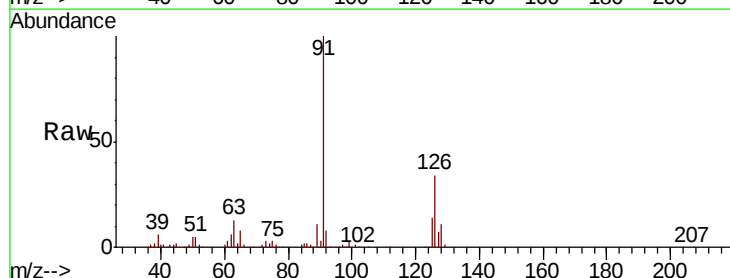
Acq: 23 Oct 2018 05:21

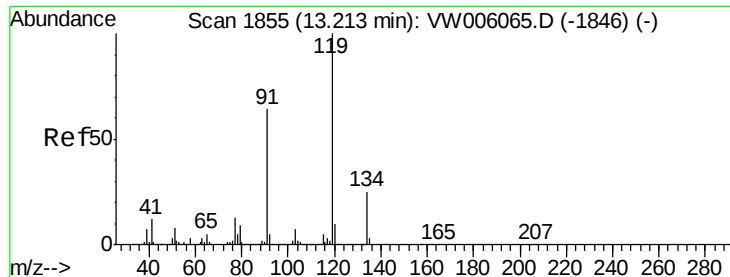
Tgt Ion: 91 Resp: 119286

Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.3





#83

tert-Butylbenzene

Concen: 54.421 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

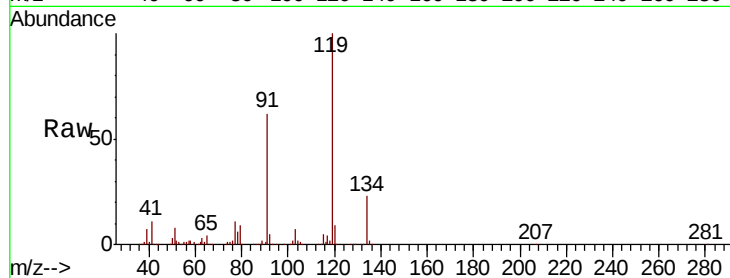
Tot Ion:119 Resp: 111384

Ion Ratio Lower Upper

119 100

91 62.4 32.3 96.9

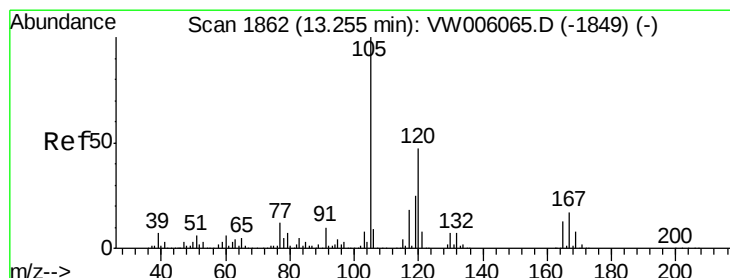
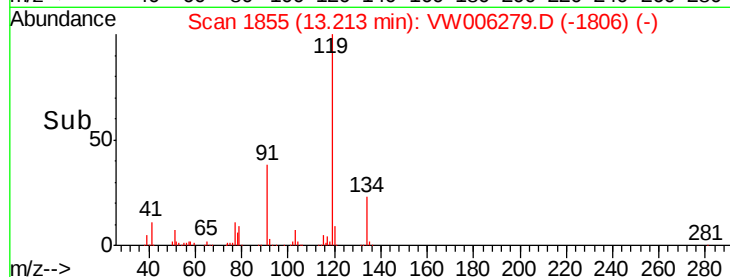
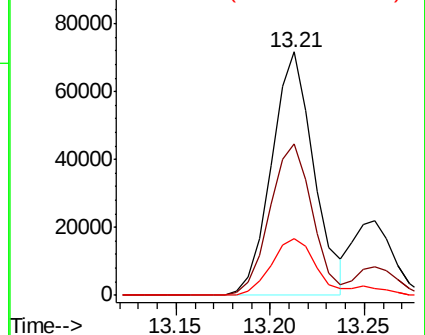
134 24.9 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.737 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW006279.D

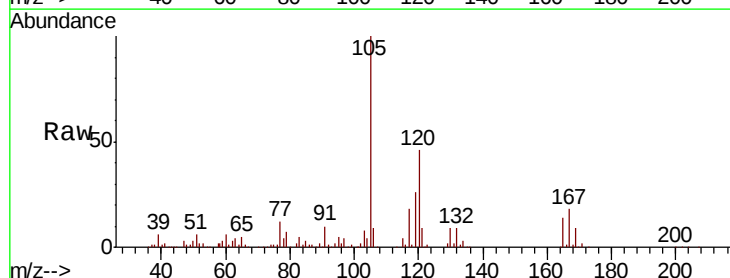
Acq: 23 Oct 2018 05:21

Tgt Ion:105 Resp: 129021

Ion Ratio Lower Upper

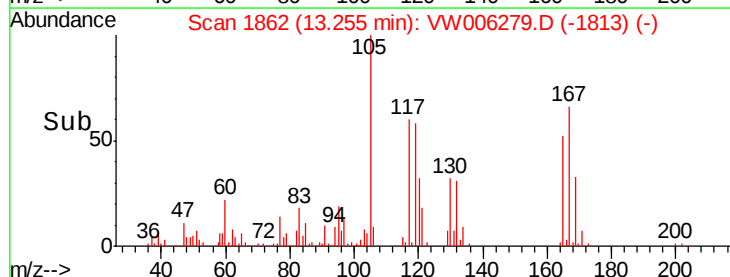
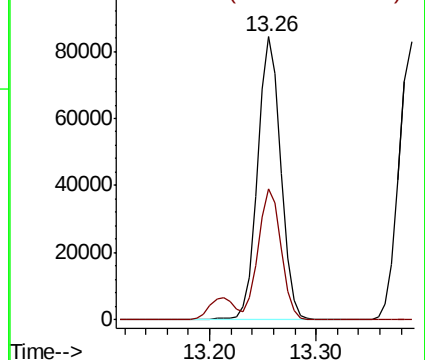
105 100

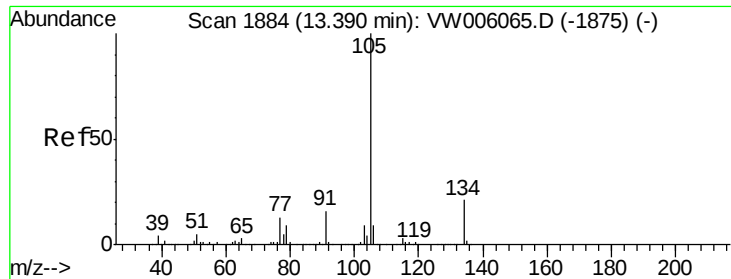
120 45.3 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 43.583 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

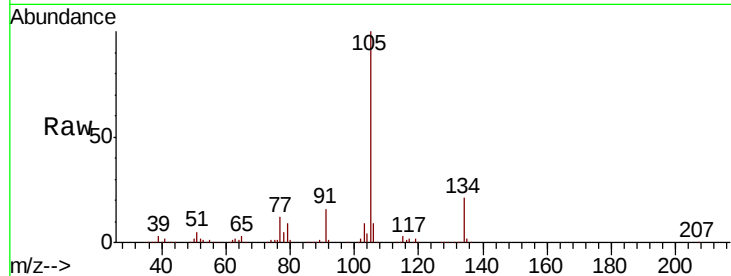
PA-SB-01BMSD

Tot Ion:105 Resp: 126019

Ion Ratio Lower Upper

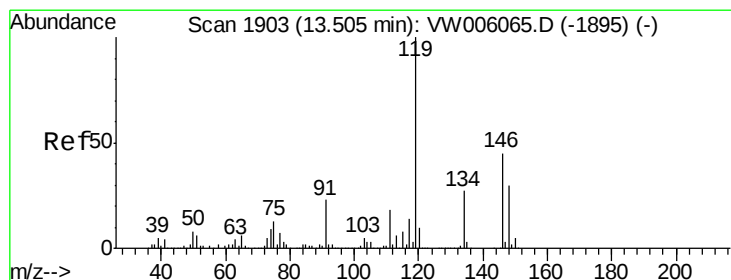
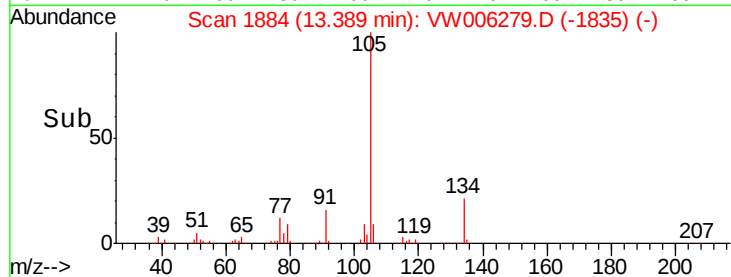
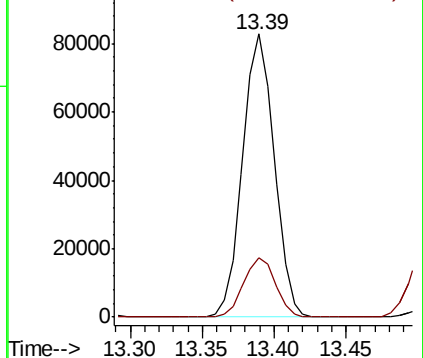
105 100

134 21.2 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 40.849 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

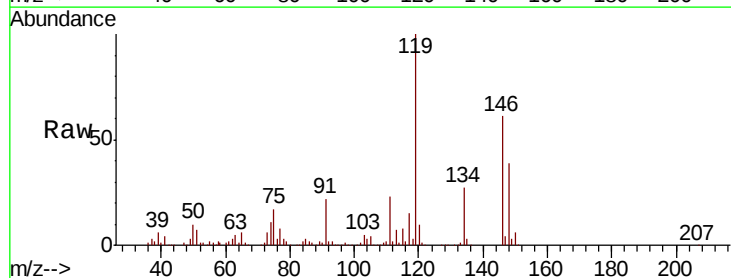
Tgt Ion:119 Resp: 106834

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

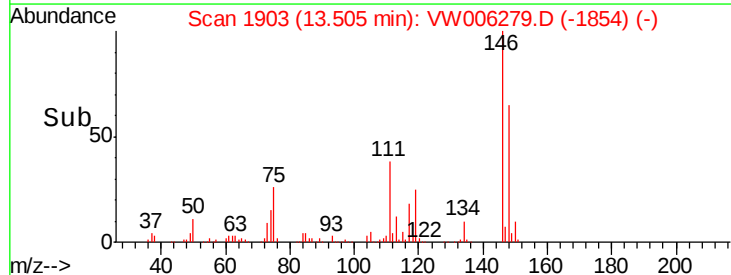
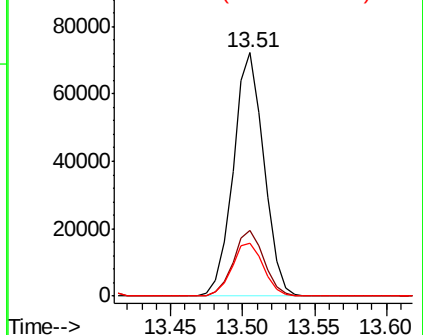
91 22.7 11.4 34.1

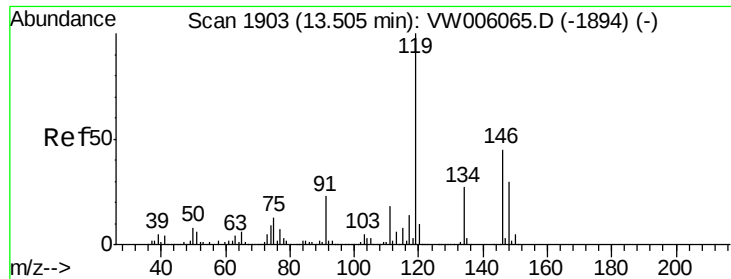


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

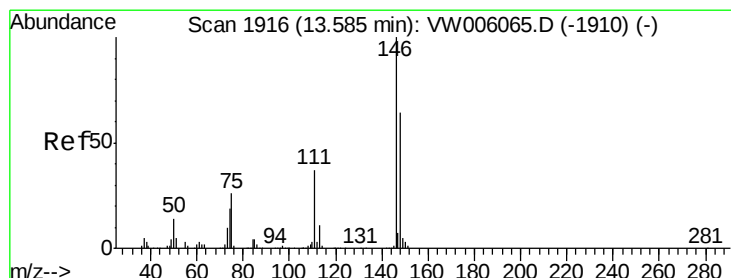
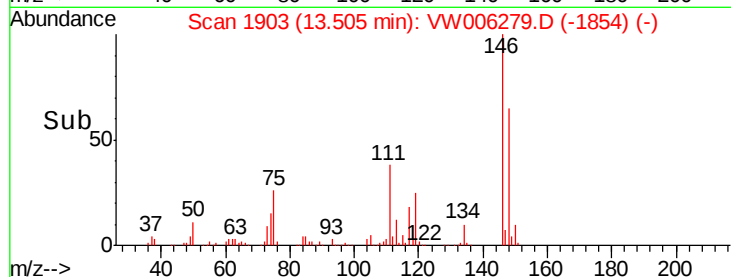
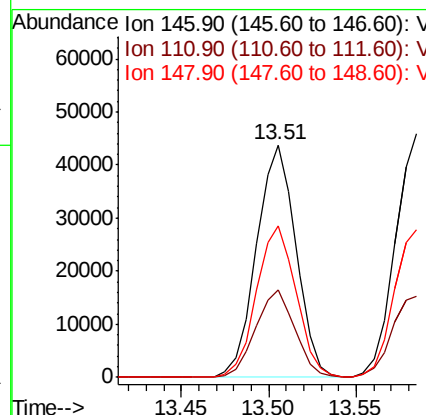
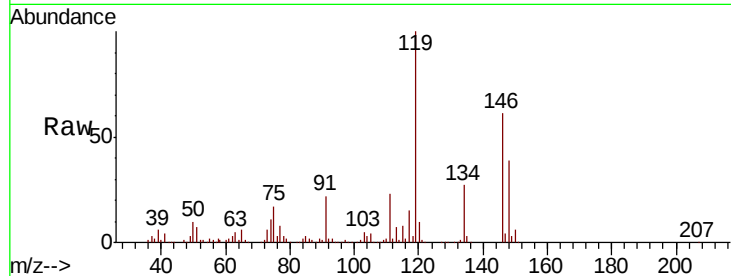




#87
 1,3-Dichlorobenzene
 Concen: 51.907 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

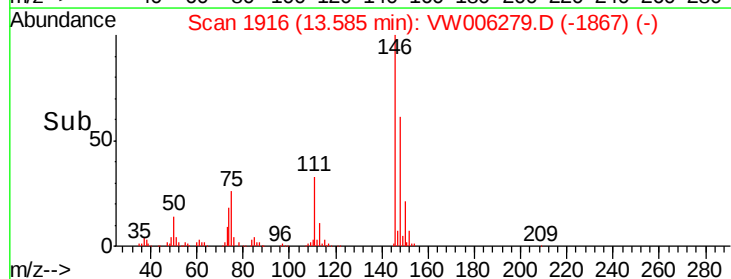
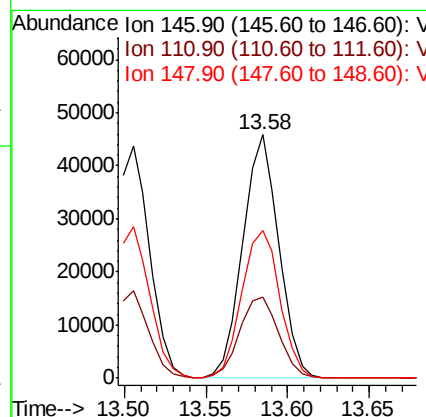
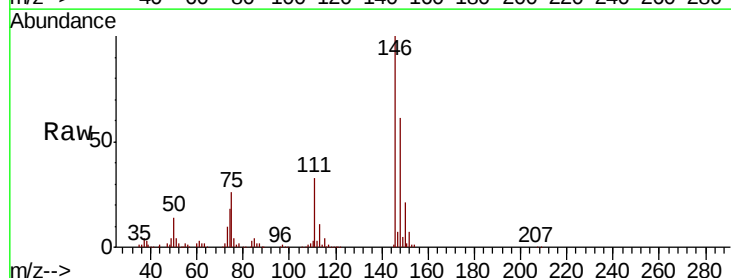
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

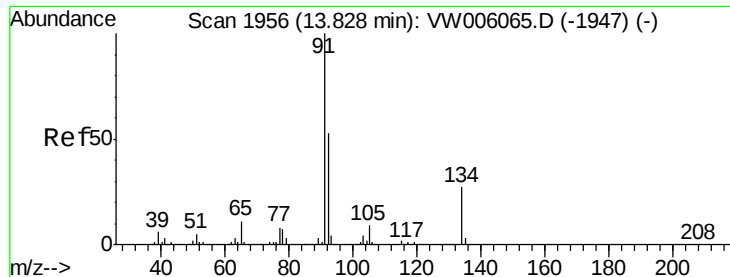
Tot Ion:146 Resp: 68660
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 65.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 53.813 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion:146 Resp: 70872
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.6 56.0
 148 63.8 32.1 96.5





#89

n-Butylbenzene

Concen: 31.591 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

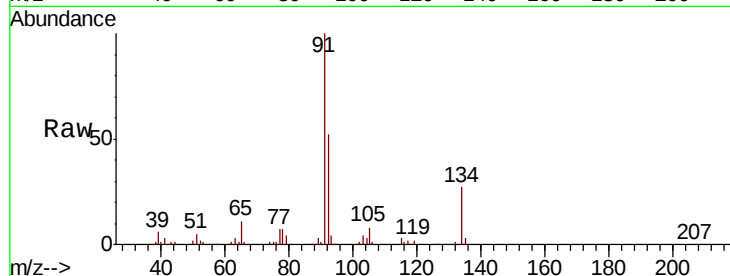
Tot Ion: 91 Resp: 75560

Ion Ratio Lower Upper

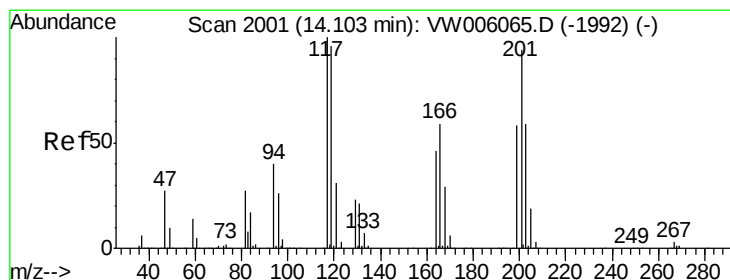
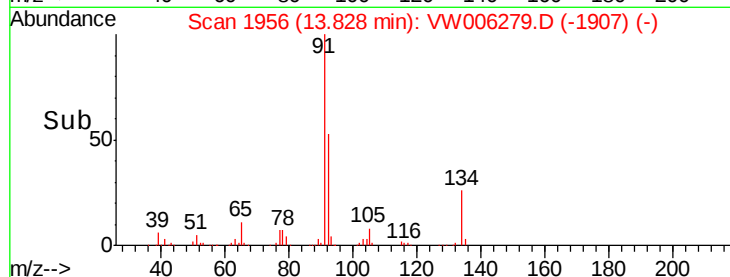
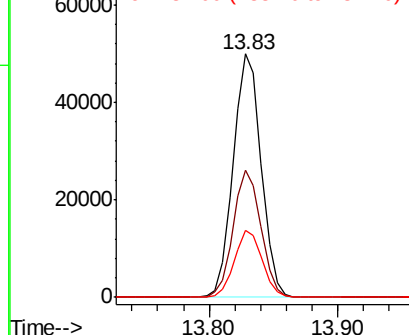
91 100

92 52.0 26.6 79.7

134 27.2 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: 36.197 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006279.D

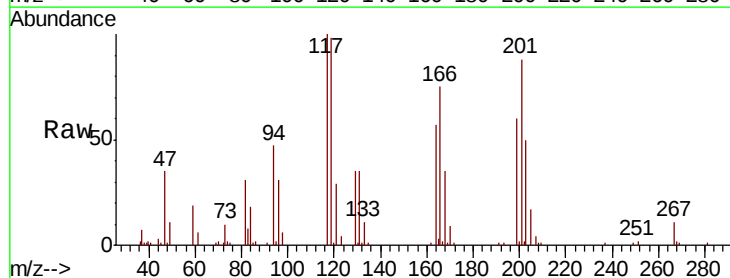
Acq: 23 Oct 2018 05:21

Tgt Ion: 117 Resp: 16035

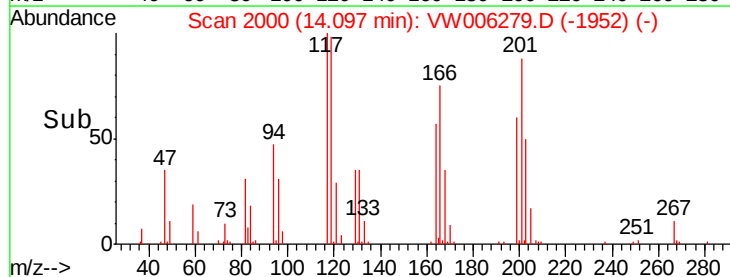
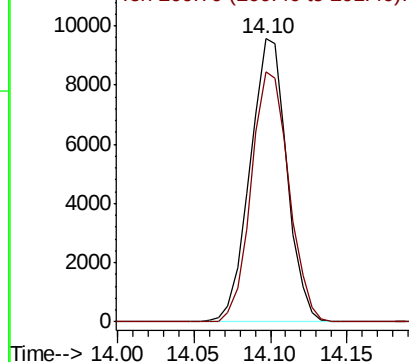
Ion Ratio Lower Upper

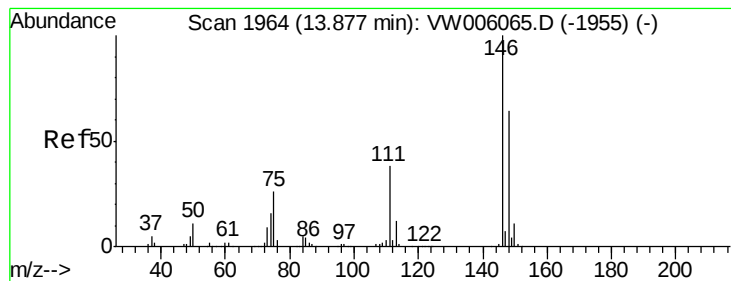
117 100

201 90.1 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: 55.987 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

Instrument :

MSVOA_W

ClientSampleId :

PA-SB-01BMSD

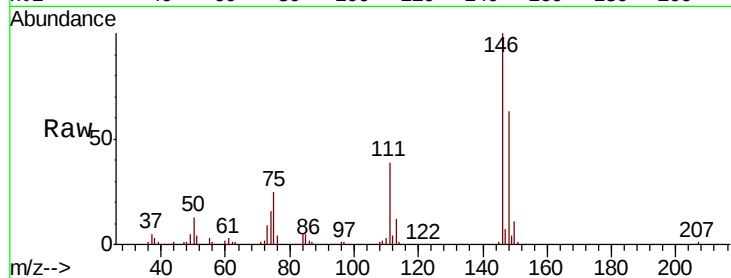
Tot Ion:146 Resp: 66058

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

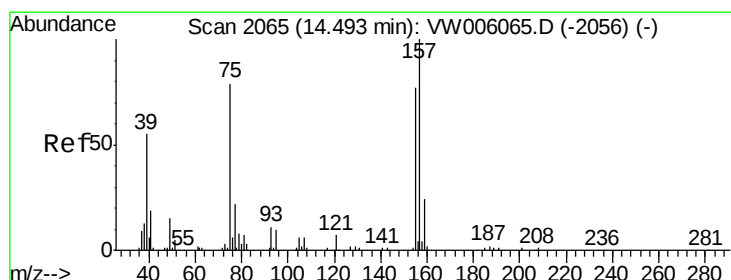
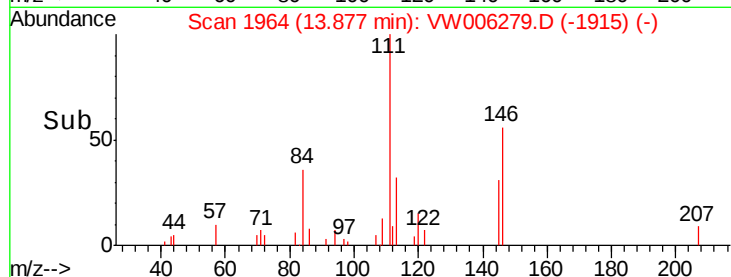
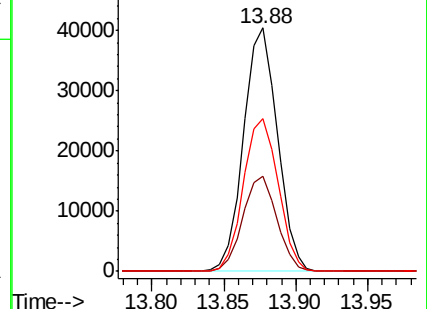
148 64.5 32.2 96.6



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: 116.546 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW006279.D

Acq: 23 Oct 2018 05:21

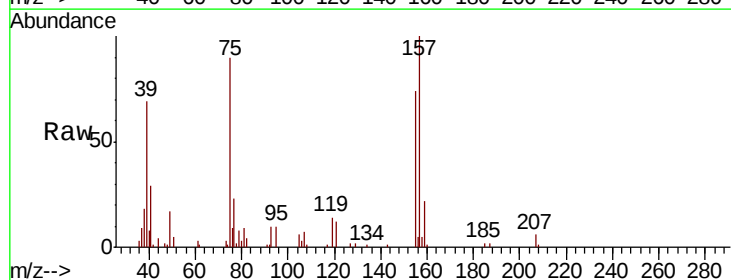
Tgt Ion: 75 Resp: 8612

Ion Ratio Lower Upper

75 100

155 93.2 46.5 139.5

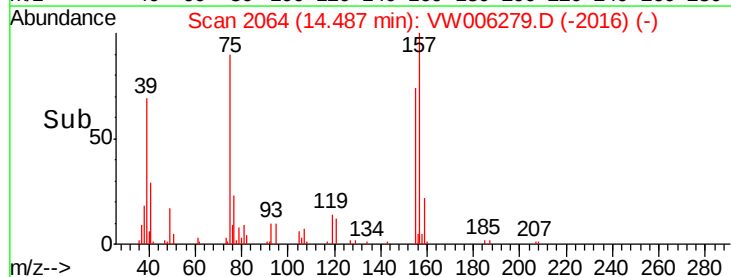
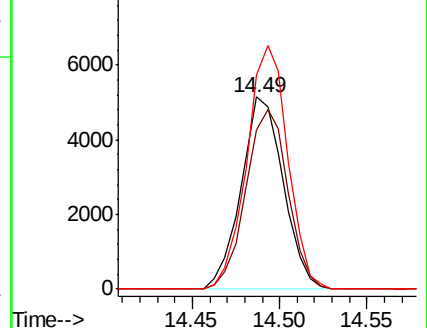
157 123.1 59.8 179.4

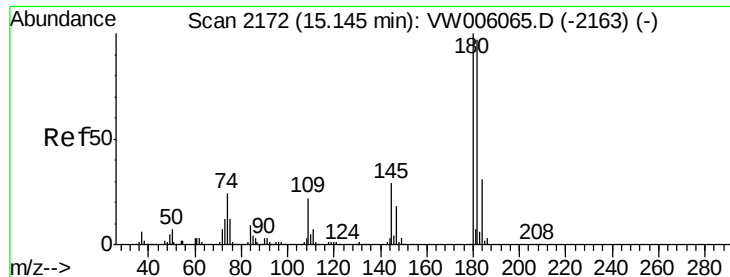


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

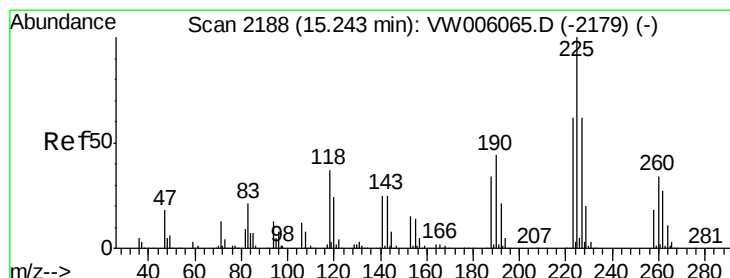
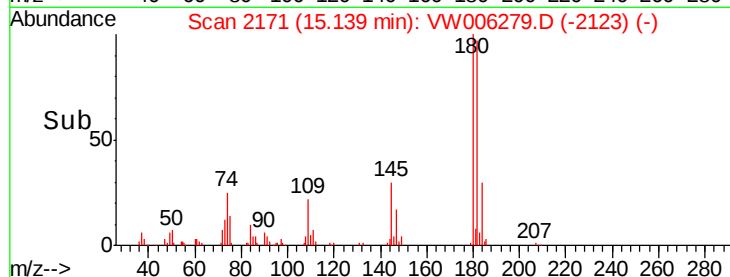
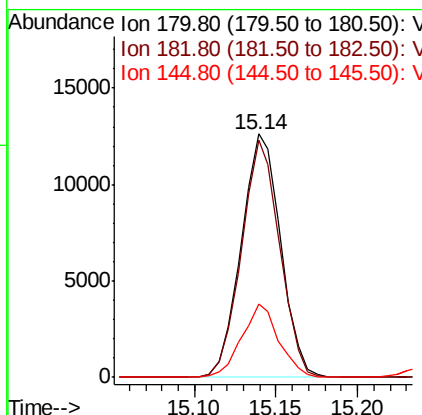
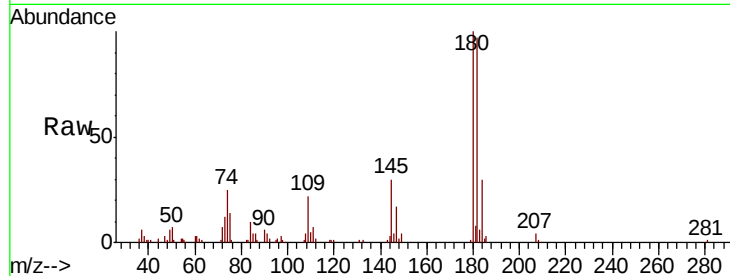




#93
 1,2,4-Trichlorobenzene
 Concen: 23.341 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

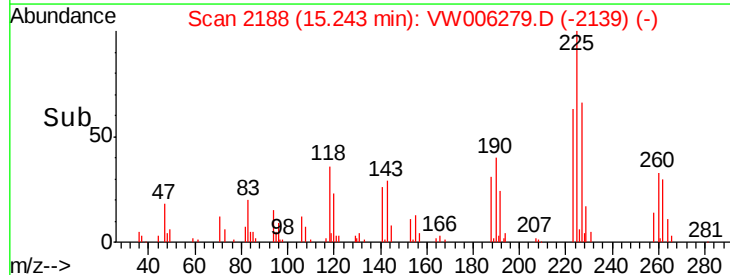
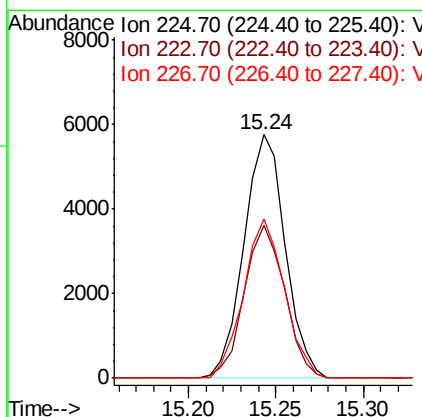
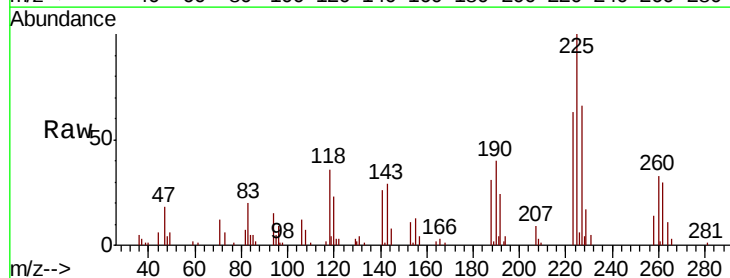
Instrument :
 MSVOA_W
 ClientSampleId :
 PA-SB-01BMSD

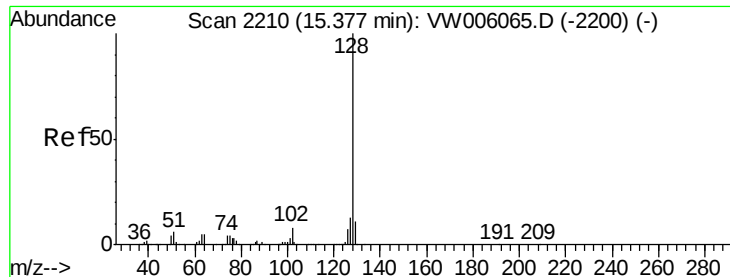
Tot Ion:180 Resp: 21190
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.9 143.6
 145 28.3 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 16.565 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006279.D
 Acq: 23 Oct 2018 05:21

Tgt Ion:225 Resp: 9447
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 64.8 32.4 97.0

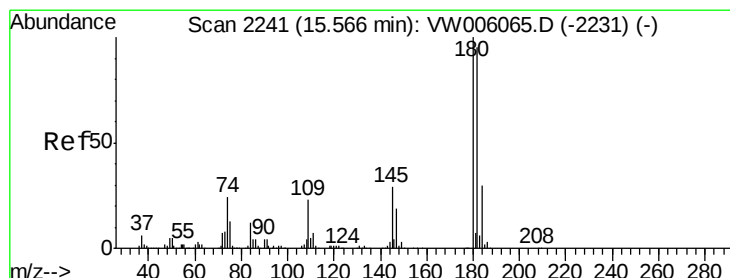
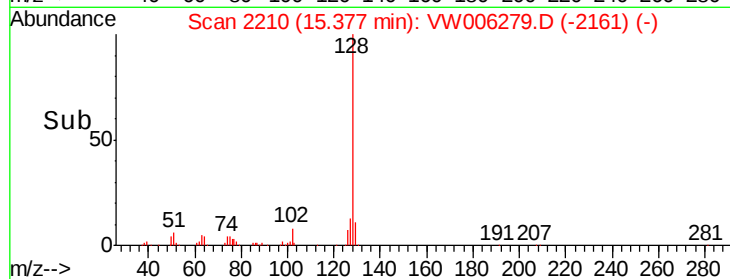
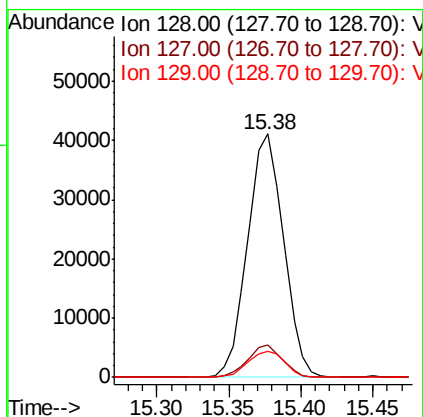
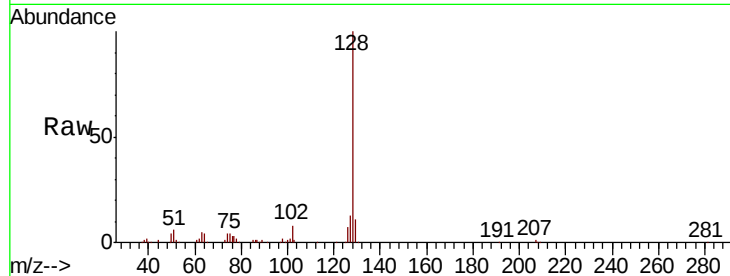




#95
Naphthalene
Concen: 47.132 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Instrument :
MSVOA_W
ClientSampleId :
PA-SB-01BMSD

Tot Ion:128 Resp: 71179
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.992 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006279.D
Acq: 23 Oct 2018 05:21

Tgt Ion:180 Resp: 18054
Ion Ratio Lower Upper
180 100
182 94.3 47.8 143.3
145 32.0 15.0 45.1

