

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110618\
 Data File : VW006709.D
 Acq On : 07 Nov 2018 02:54
 Operator : SY/AP
 Sample : VW1106SBS02
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

Quant Time: Nov 07 11:31:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	328390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180443	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	103860	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
35) Dibromofluoromethane	7.88	113	109896	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	10.32	98	404077	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.62	95	149086	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	27457	23.314	ug/l	94
3) Chloromethane	2.21	50	32914	22.587	ug/l	97
4) Vinyl Chloride	2.37	62	46048	22.632	ug/l	99
5) Bromomethane	2.78	94	39622	23.204	ug/l	94
6) Chloroethane	2.92	64	32374	22.772	ug/l	99
7) Trichlorofluoromethane	3.26	101	38579	21.472	ug/l	98
8) Diethyl Ether	3.68	74	21174	21.559	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43602	22.726	ug/l	98
10) Methyl Iodide	4.26	142	74067	21.291	ug/l	99
11) Tert butyl alcohol	5.22	59	4858	46.170	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	41073	22.165	ug/l	96
13) Acrolein	3.90	56	10297	77.809	ug/l	96
14) Allyl chloride	4.66	41	53301	22.035	ug/l	99
15) Acrylonitrile	5.38	53	42131	119.634	ug/l	99
16) Acetone	4.15	43	36811	116.753	ug/l	100
17) Carbon Disulfide	4.37	76	116279	22.050	ug/l	98
18) Methyl Acetate	4.68	43	21463	23.674	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	62045	22.494	ug/l	98
20) Methylene Chloride	4.90	84	50636	21.360	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	47859	22.824	ug/l	99
22) Diisopropyl ether	6.31	45	115091	22.823	ug/l	97
23) Vinyl Acetate	6.26	43	323594	115.715	ug/l	99
24) 1,1-Dichloroethane	6.21	63	78598	22.997	ug/l	100
25) 2-Butanone	7.18	43	54377	120.863	ug/l	99
26) 2,2-Dichloropropane	7.17	77	45115	21.914	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53055	22.616	ug/l	100
28) Bromochloromethane	7.51	49	30457	22.443	ug/l	97
29) Tetrahydrofuran	7.54	42	33283	117.616	ug/l	99
30) Chloroform	7.68	83	87029	23.226	ug/l	97
31) Cyclohexane	7.96	56	65479	21.050	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	70747	22.313	ug/l	99
36) 1,1-Dichloropropene	8.09	75	63983	22.156	ug/l	100
37) Ethyl Acetate	7.26	43	24413	24.394	ug/l	99
38) Carbon Tetrachloride	8.07	117	67711	22.439	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79087	21.580	ug/l	99
40) Benzene	8.32	78	190231	23.191	ug/l	99
41) Methacrylonitrile	7.49	41	13387	21.815	ug/l	93
42) 1,2-Dichloroethane	8.40	62	54868	23.324	ug/l	100
43) Isopropyl Acetate	8.43	43	47081	23.576	ug/l	99
44) Trichloroethene	9.09	130	56563	22.346	ug/l	94
45) 1,2-Dichloropropane	9.37	63	44936	23.540	ug/l	98
46) Dibromomethane	9.46	93	26214	23.361	ug/l	99
47) Bromodichloromethane	9.65	83	61063	23.436	ug/l	99
48) Methyl methacrylate	9.44	41	22503	23.388	ug/l	97
49) 1,4-Dioxane	9.48	88	7705	469.183	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	124190	121.086	ug/l	98
52) Toluene	10.39	92	125127	22.744	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	57419	22.899	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	67650	22.830	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38084	23.920	ug/l	96
56) Ethyl methacrylate	10.65	69	40611	22.442	ug/l	98
57) 1,3-Dichloropropane	10.93	76	60804	23.519	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	100647	114.414	ug/l	100
59) 2-Hexanone	10.98	43	83145	119.358	ug/l	98
60) Dibromochloromethane	11.13	129	44565	23.625	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37014	23.411	ug/l	99
64) Tetrachloroethene	10.87	164	54523	21.878	ug/l	98
65) Chlorobenzene	11.66	112	148194	22.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	51883	22.437	ug/l	99
67) Ethyl Benzene	11.74	91	242176	22.024	ug/l	99
68) m/p-Xylenes	11.84	106	196575	44.745	ug/l	99
69) o-Xylene	12.17	106	90642	21.672	ug/l	97
70) Styrene	12.18	104	152675	22.390	ug/l	100
71) Bromoform	12.35	173	28809	23.503	ug/l #	100
73) Isopropylbenzene	12.47	105	251107	21.125	ug/l	100
74) N-amyl acetate	12.28	43	44767	21.794	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	43915	23.391	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	53421	37.945	ug/l #	100
77) Bromobenzene	12.75	156	66805	21.707	ug/l	98
78) n-propylbenzene	12.81	91	298104	21.803	ug/l	100
79) 2-Chlorotoluene	12.90	91	169663	21.623	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	215942	21.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10730	21.348	ug/l	98
82) 4-Chlorotoluene	12.99	91	181441	21.857	ug/l	99
83) tert-Butylbenzene	13.21	119	186257	20.915	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	222614	21.733	ug/l	99
85) sec-Butylbenzene	13.39	105	267055	21.411	ug/l	100
86) p-Isopropyltoluene	13.51	119	241231	21.255	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	134588	22.206	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	133810	22.272	ug/l	99
89) n-Butylbenzene	13.83	91	218948	21.733	ug/l	99
90) Hexachloroethane	14.10	117	40121	21.509	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	121084	22.209	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6769	22.220	ug/l	97

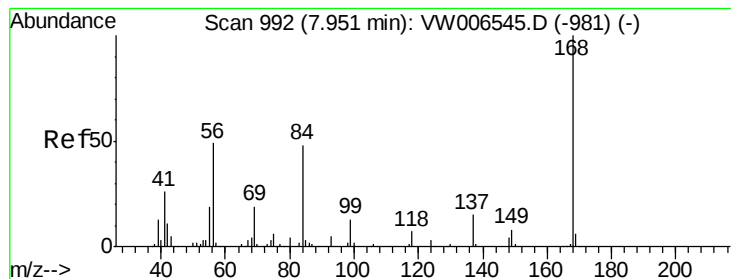
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	88693	21.878	ug/l	98
94) Hexachlorobutadiene	15.24	225	53575	21.204	ug/l	99
95) Naphthalene	15.38	128	143596	22.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	78573	22.053	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

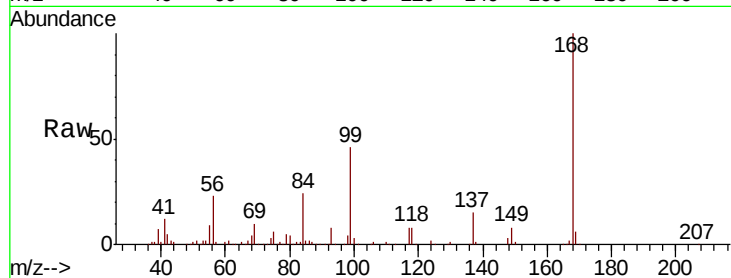
VW1106SBSD02

Tot Ion:168 Resp: 227185

Ion Ratio Lower Upper

168 100

99 45.9 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

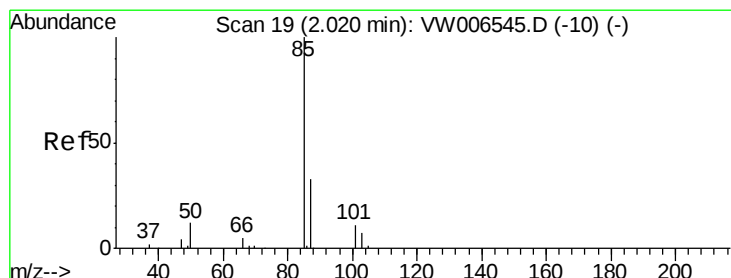
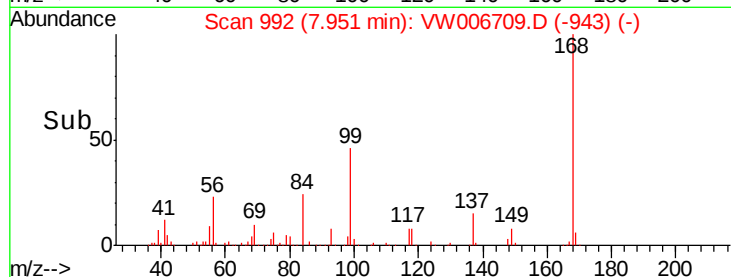
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.314 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006709.D

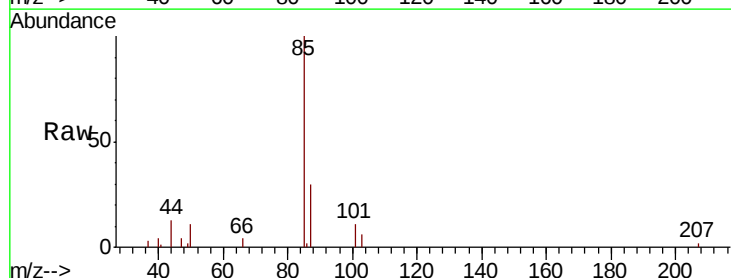
Acq: 07 Nov 2018 02:54

Tgt Ion: 85 Resp: 27457

Ion Ratio Lower Upper

85 100

87 30.1 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

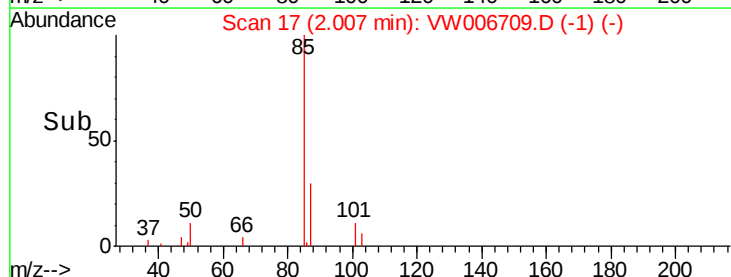
4000

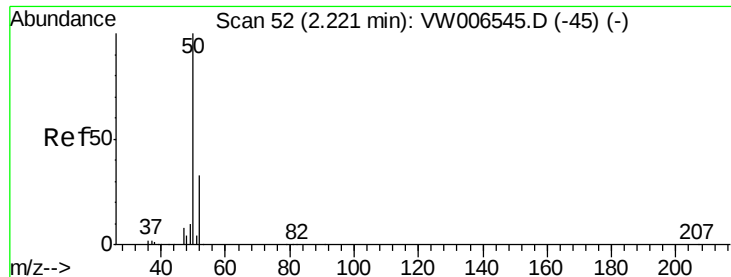
2000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 22.587 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

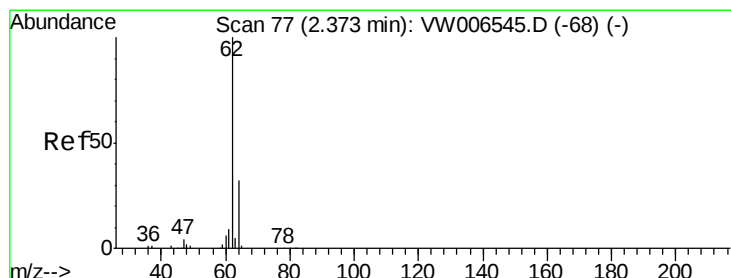
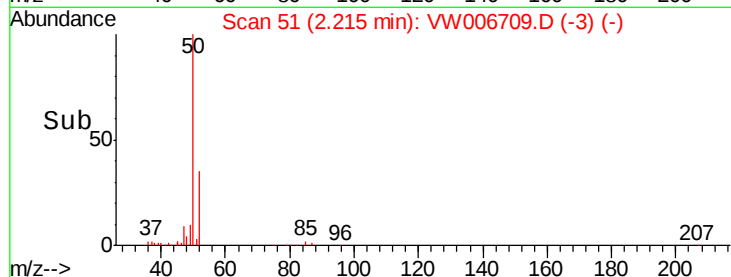
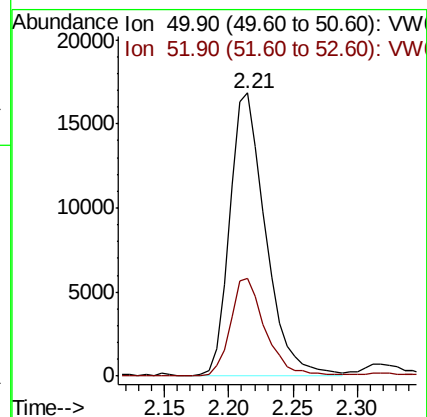
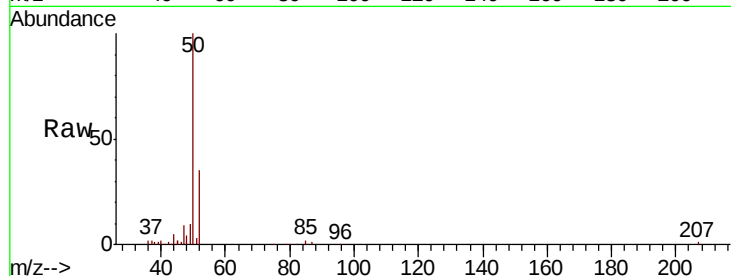
VW1106SBSD02

Tot Ion: 50 Resp: 32914

Ion Ratio Lower Upper

50 100

52 34.7 26.2 39.4



#4

Vinyl Chloride

Concen: 22.632 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006709.D

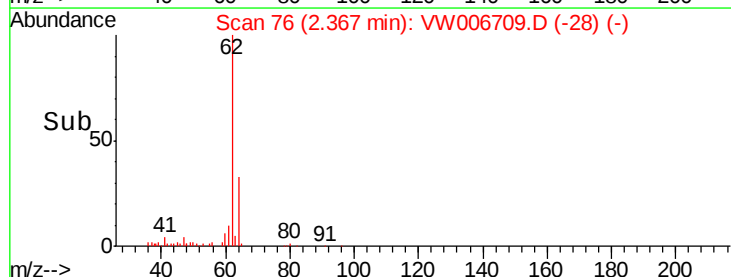
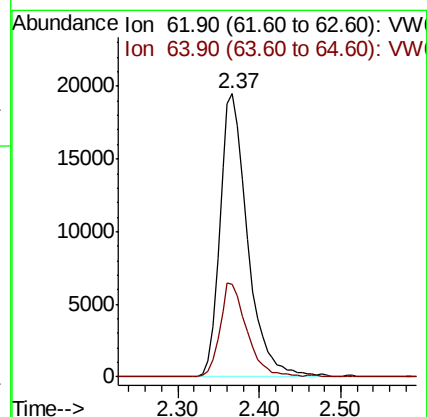
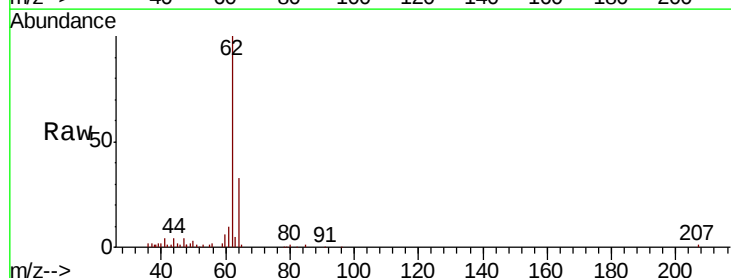
Acq: 07 Nov 2018 02:54

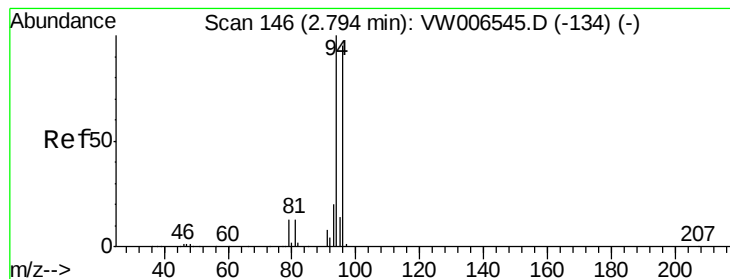
Tgt Ion: 62 Resp: 46048

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 23.204 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

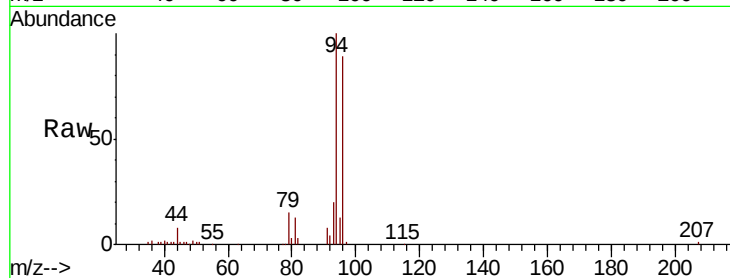
VW1106SBSD02

Tot Ion: 94 Resp: 39622

Ion Ratio Lower Upper

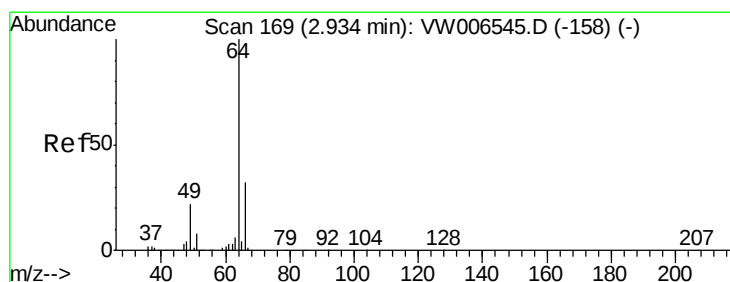
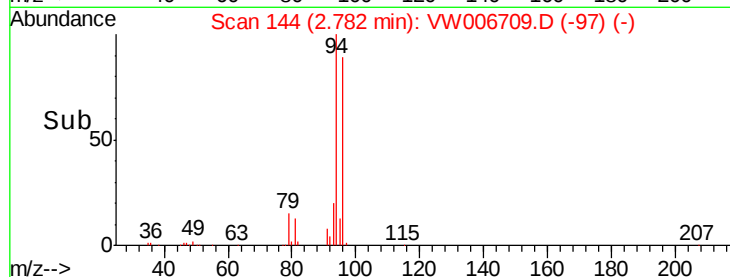
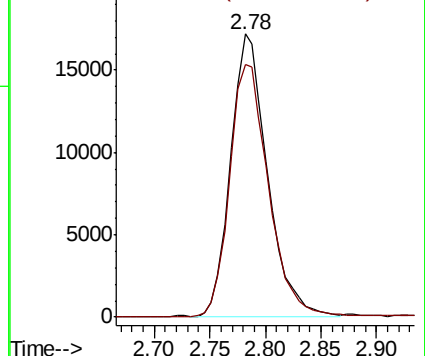
94 100

96 89.3 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.772 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006709.D

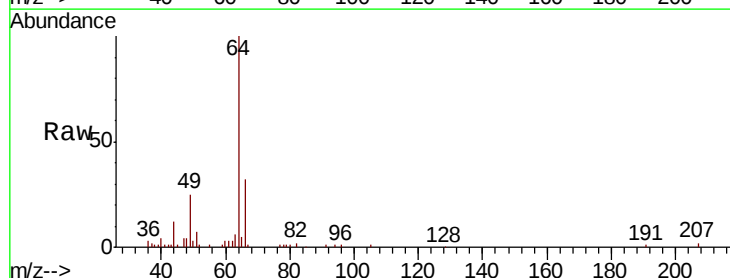
Acq: 07 Nov 2018 02:54

Tgt Ion: 64 Resp: 32374

Ion Ratio Lower Upper

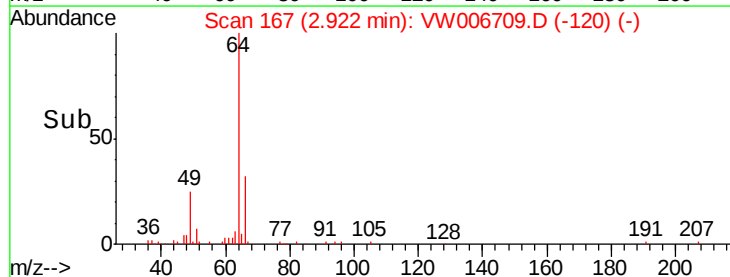
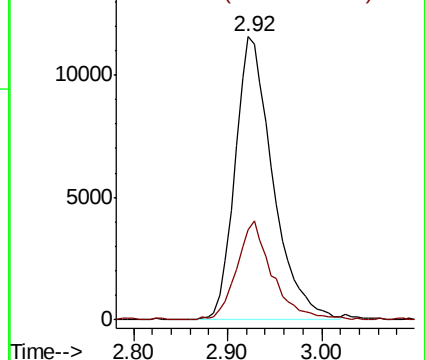
64 100

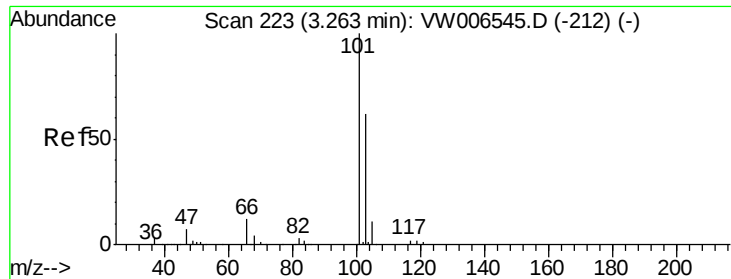
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



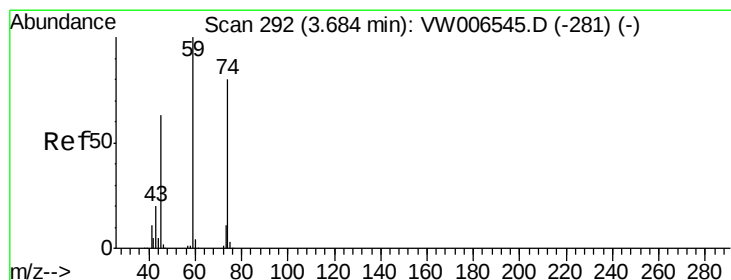
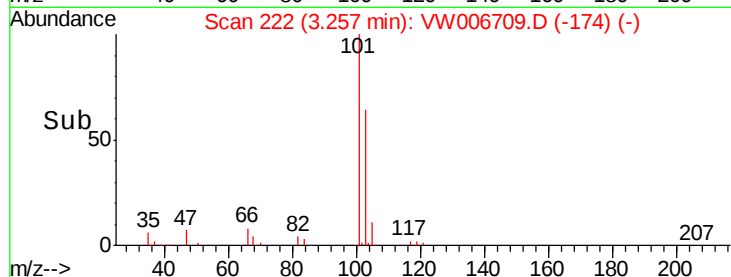
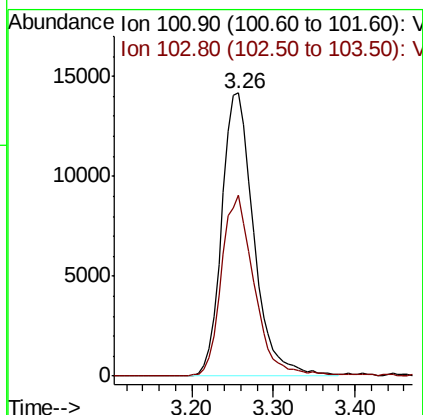
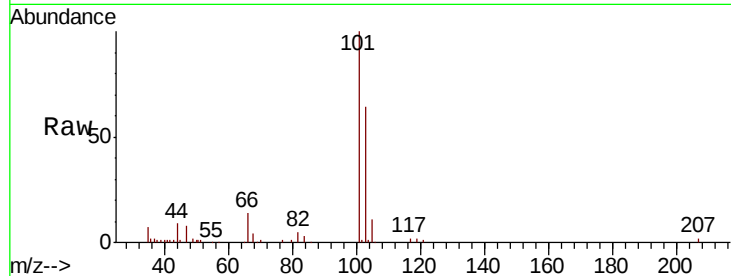


#7

Trichlorofluoromethane
 Concen: 21.472 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Instrument :
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 VW1106SBS02

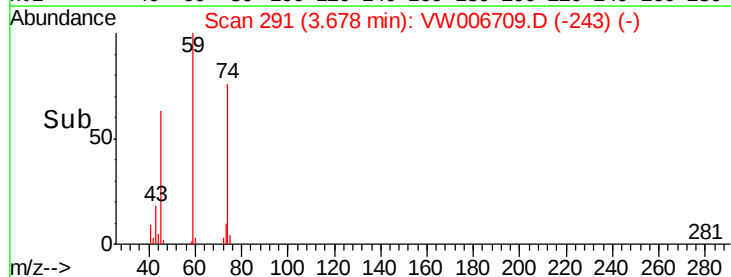
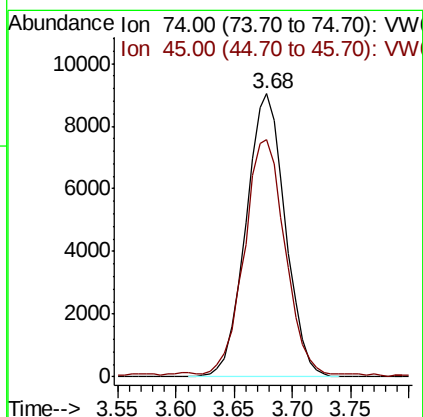
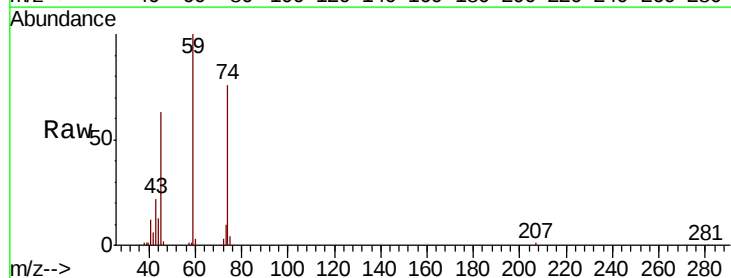
Tot Ion:101 Resp: 38579
 Ion Ratio Lower Upper
 101 100
 103 63.8 49.8 74.8

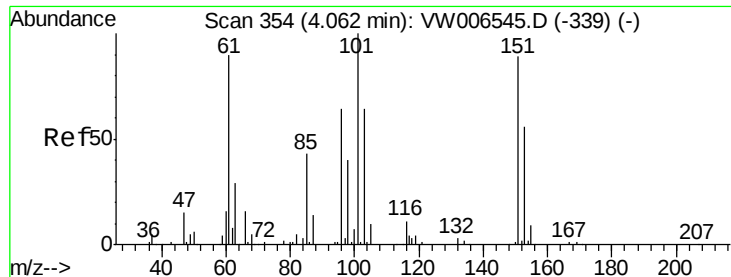


#8

Diethyl Ether
 Concen: 21.559 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 74 Resp: 21174
 Ion Ratio Lower Upper
 74 100
 45 85.0 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.726 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBSD02

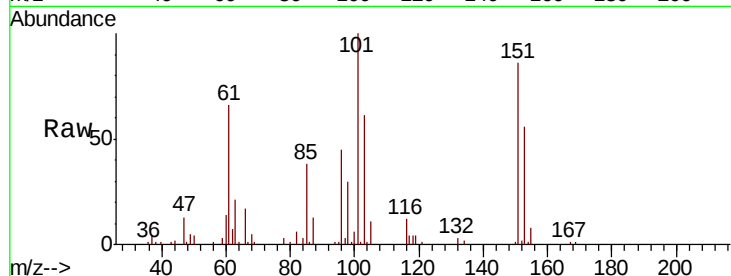
Tot Ion:101 Resp: 43602

Ion Ratio Lower Upper

101 100

85 40.7 34.2 51.2

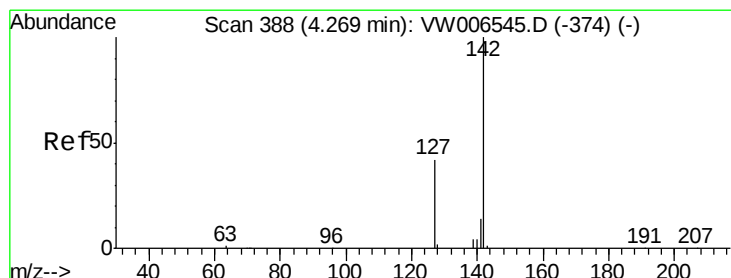
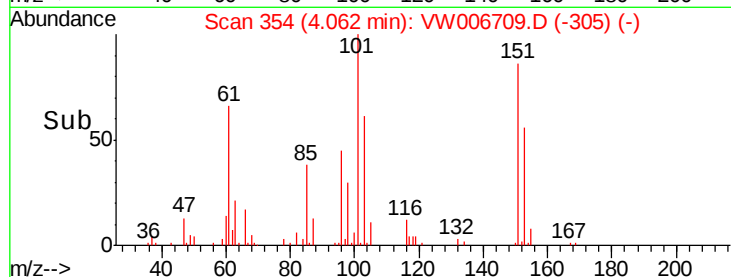
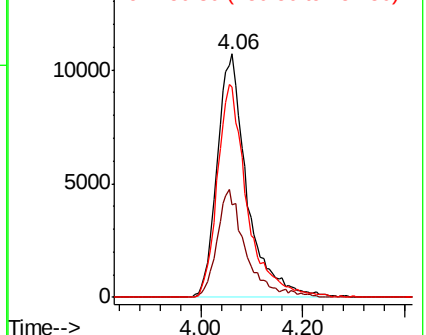
151 86.7 70.7 106.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.291 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

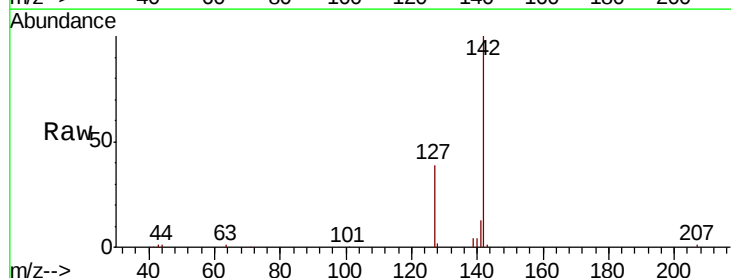
Tgt Ion:142 Resp: 74067

Ion Ratio Lower Upper

142 100

127 40.9 32.3 48.5

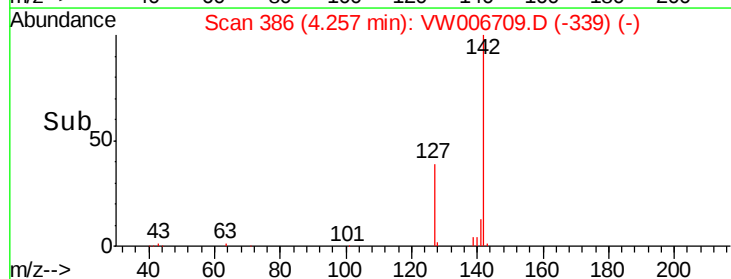
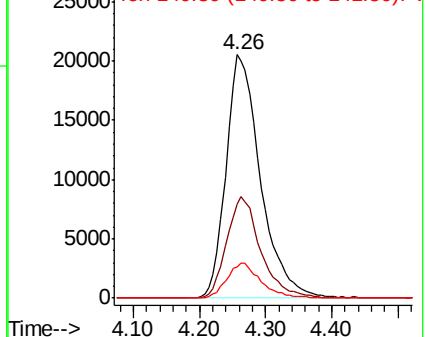
141 14.0 11.3 16.9

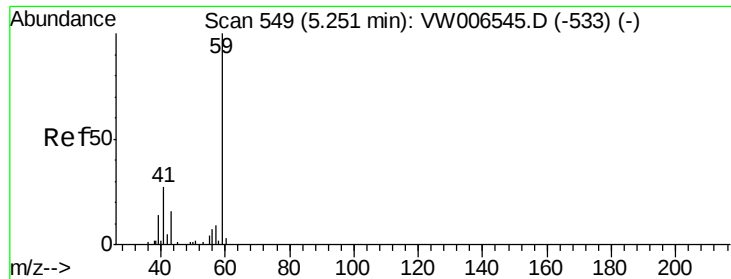


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



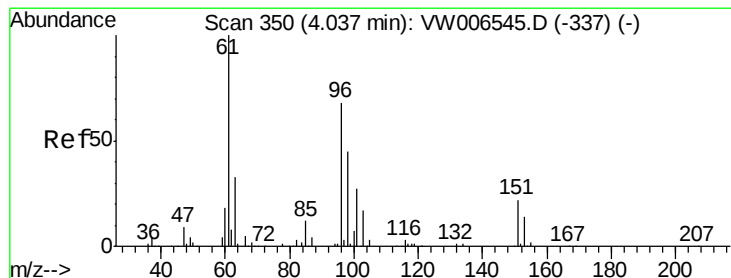
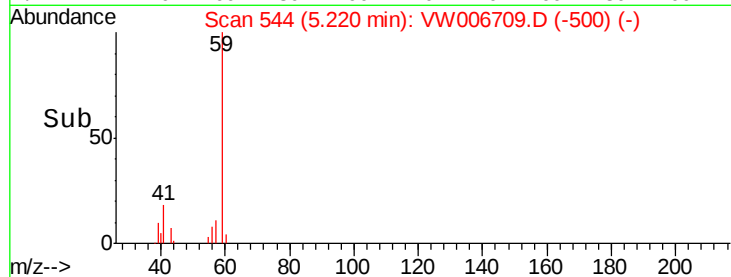
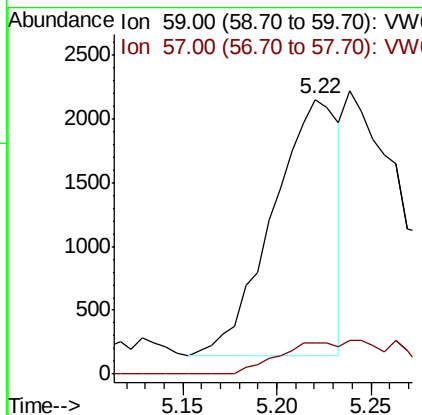
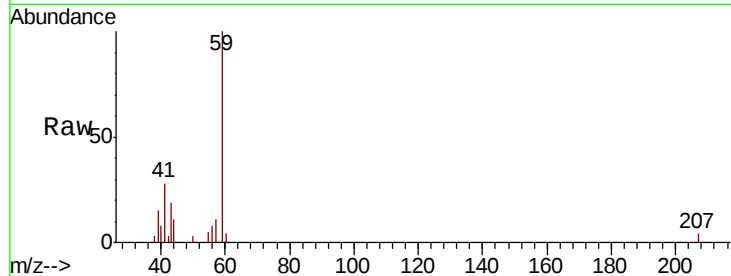


#11

Tert butyl alcohol
 Concen: 46.170 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. -0.03 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

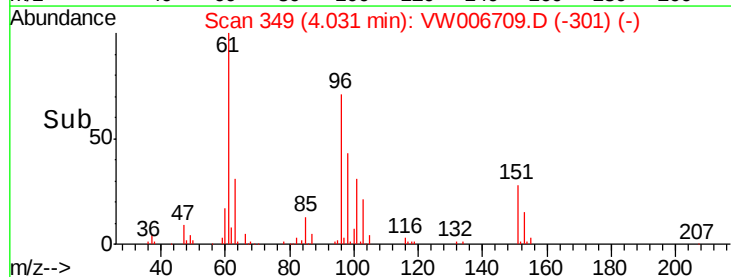
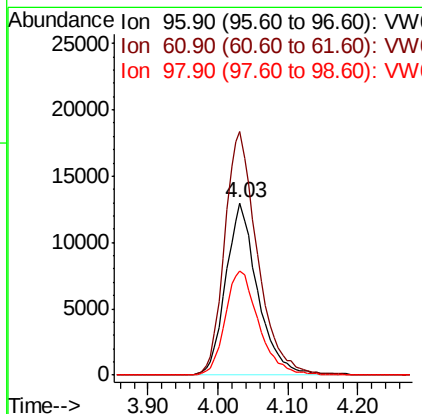
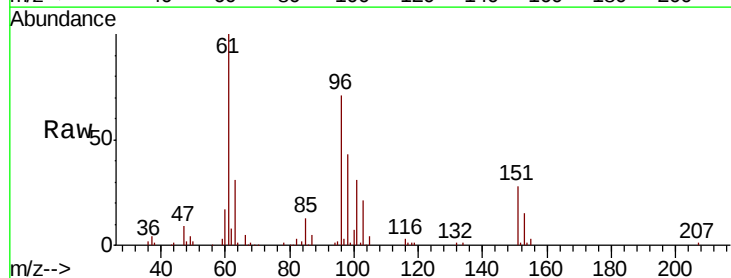
Tot Ion: 59 Resp: 4858
 Ion Ratio Lower Upper
 59 100
 57 11.4 4.3 6.5#

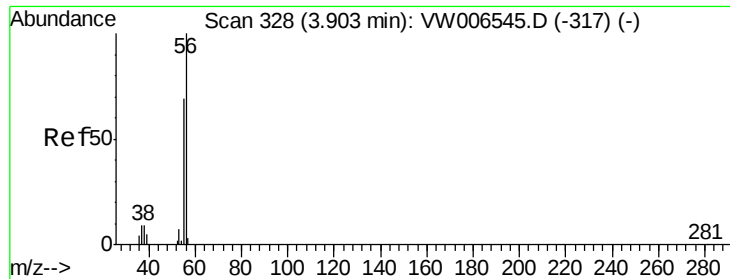


#12

1,1-Dichloroethene
 Concen: 22.165 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 96 Resp: 41073
 Ion Ratio Lower Upper
 96 100
 61 141.6 117.0 175.4
 98 60.7 52.5 78.7





#13

Acrolein

Concen: 77.809 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

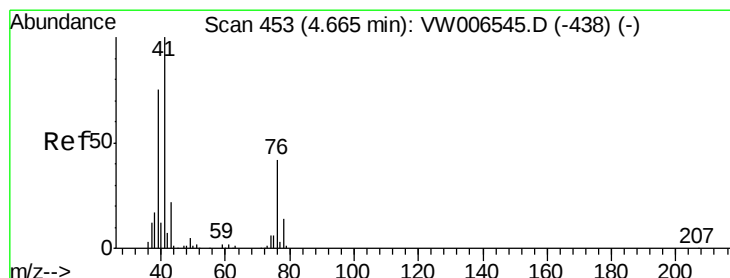
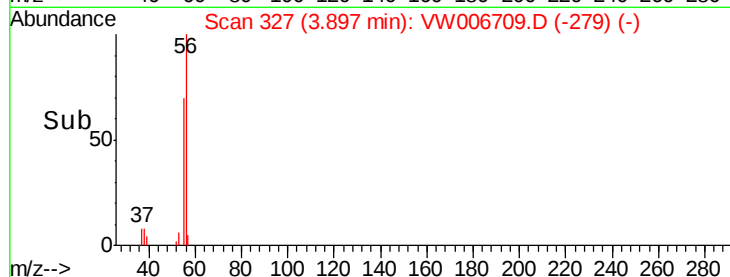
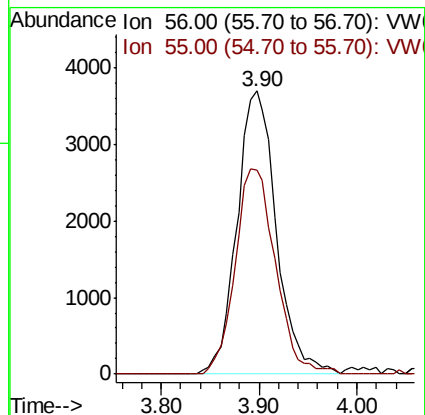
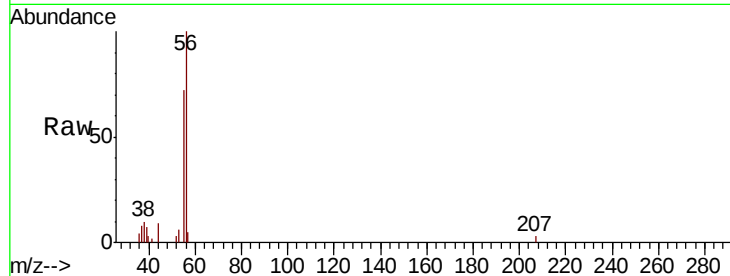
VW1106SBSD02

Tot Ion: 56 Resp: 10297

Ion Ratio Lower Upper

56 100

55 74.6 56.9 85.3



#14

Allyl chloride

Concen: 22.035 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

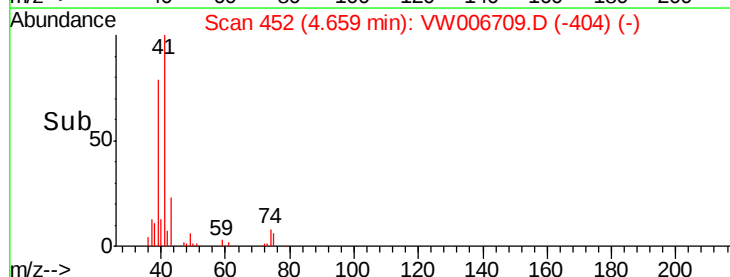
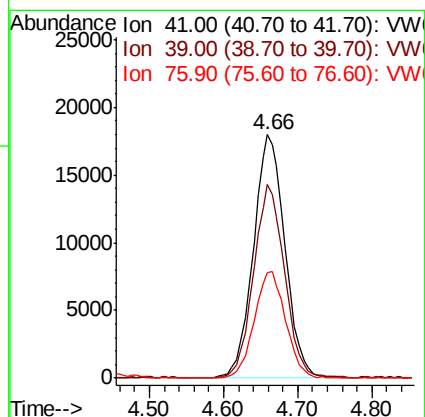
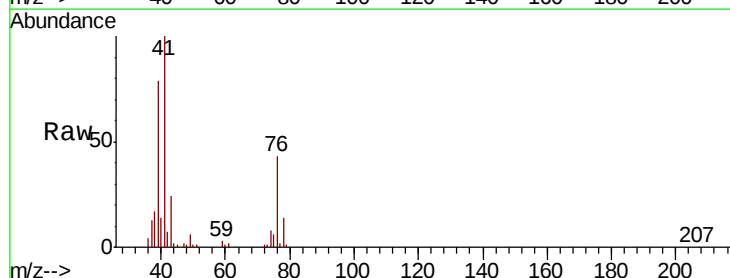
Tgt Ion: 41 Resp: 53301

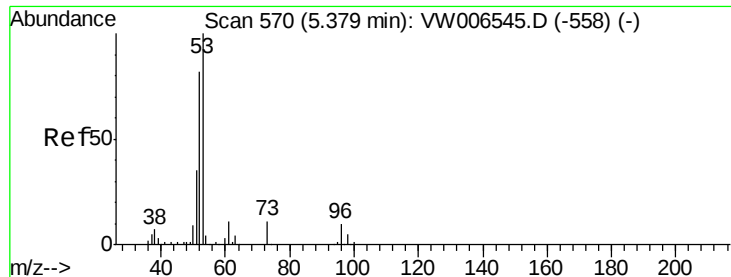
Ion Ratio Lower Upper

41 100

39 78.2 62.1 93.1

76 43.4 34.2 51.2





#15

Acrylonitrile

Concen: 119.634 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBS02

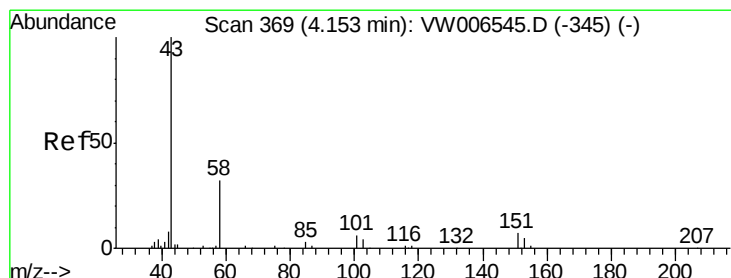
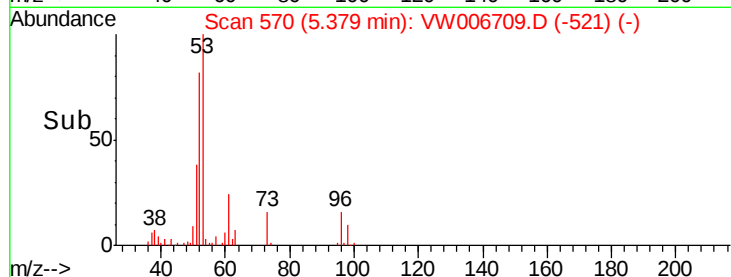
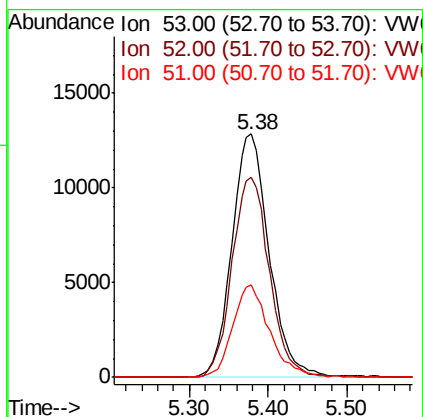
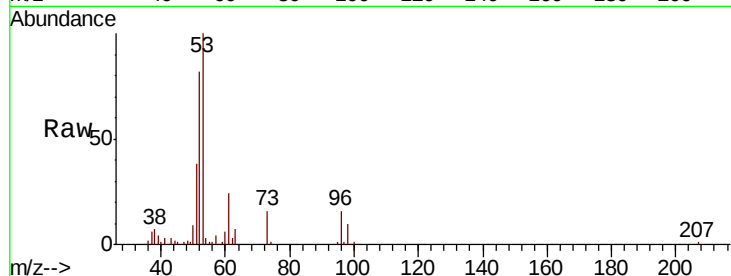
Tot Ion: 53 Resp: 42131

Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.8

51 37.7 29.6 44.4



#16

Acetone

Concen: 116.753 ug/l

RT: 4.15 min Scan# 368

Delta R.T. -0.01 min

Lab File: VW006709.D

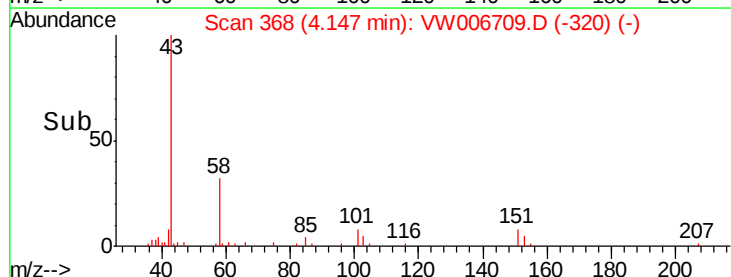
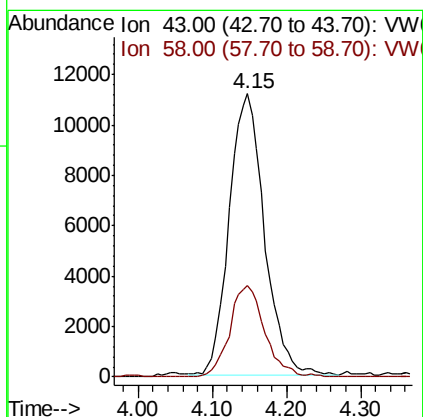
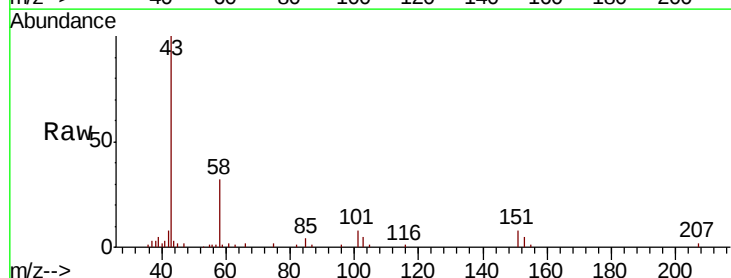
Acq: 07 Nov 2018 02:54

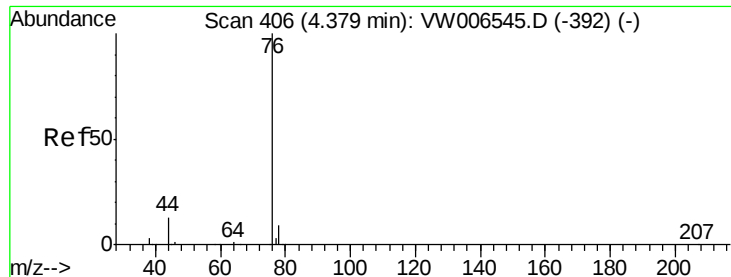
Tgt Ion: 43 Resp: 36811

Ion Ratio Lower Upper

43 100

58 32.4 25.8 38.8

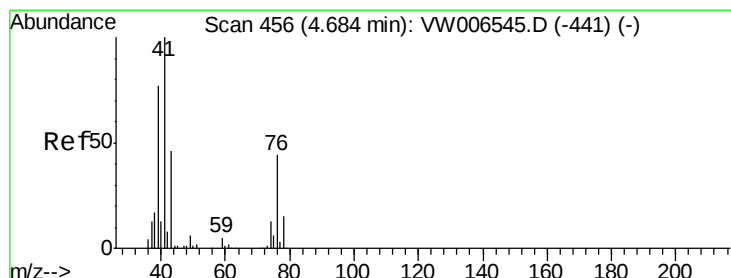
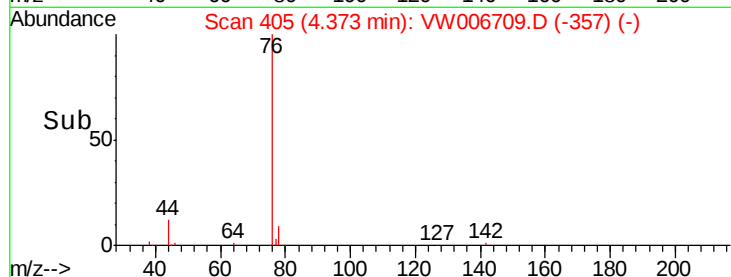
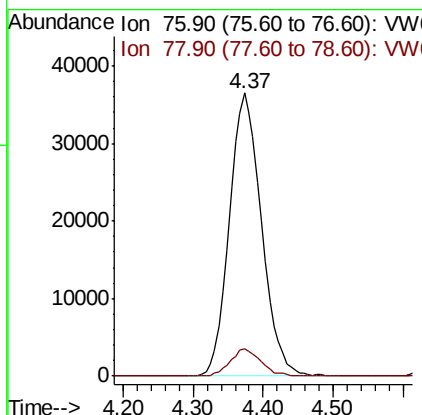
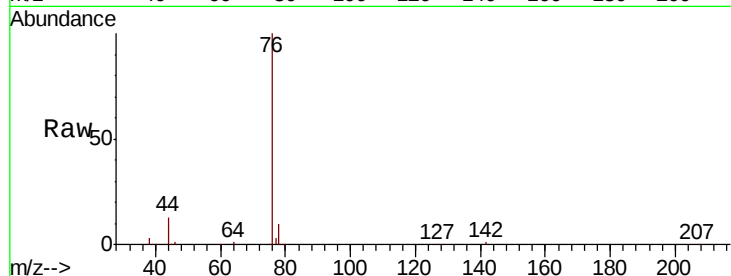




#17
Carbon Disulfide
Concen: 22.050 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

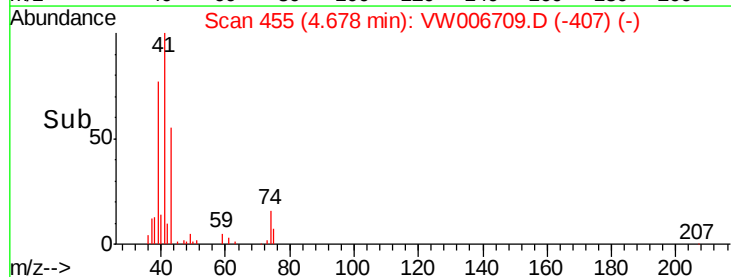
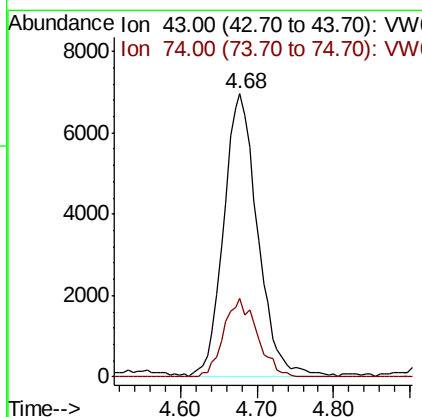
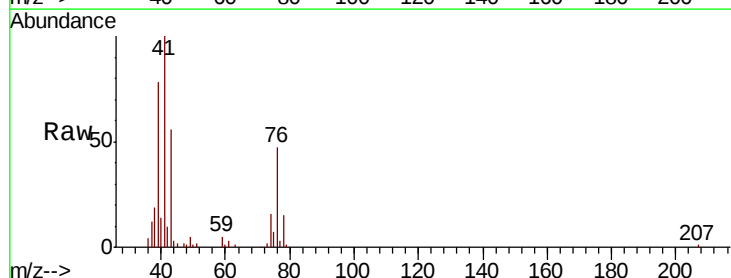
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

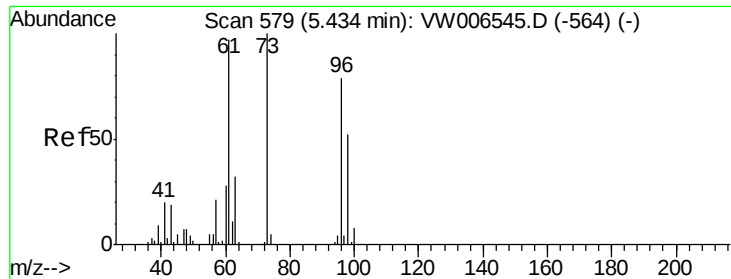
Tot Ion: 76 Resp: 116279
Ion Ratio Lower Upper
76 100
78 9.7 7.3 10.9



#18
Methyl Acetate
Concen: 23.674 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 43 Resp: 21463
Ion Ratio Lower Upper
43 100
74 27.3 21.9 32.9

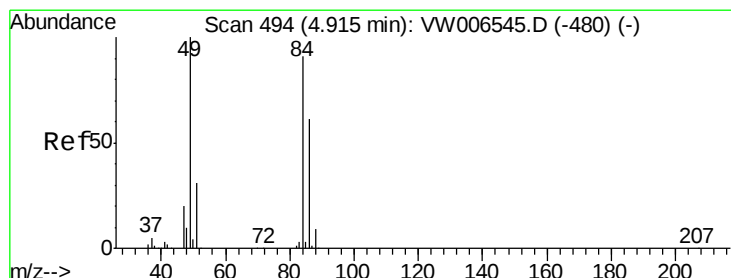
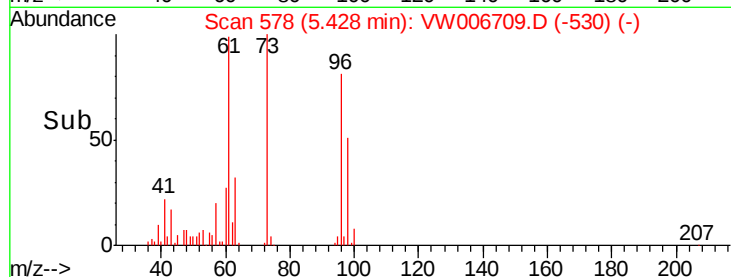
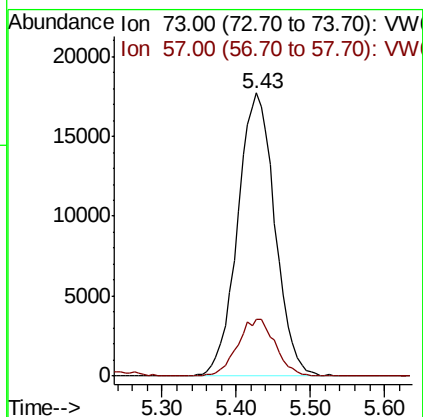
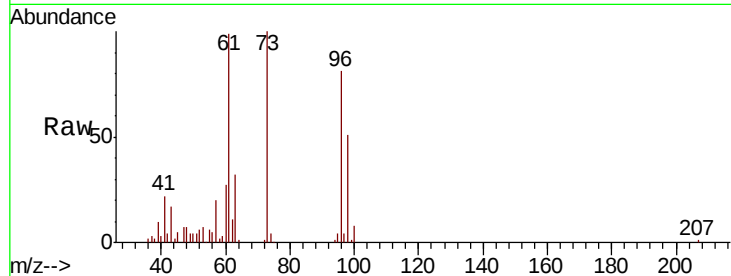




#19
Methyl tert-butyl Ether
Concen: 22.494 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

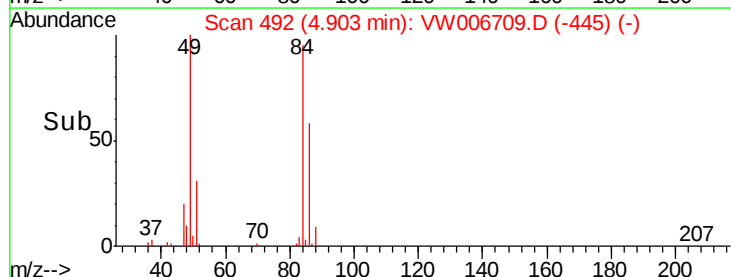
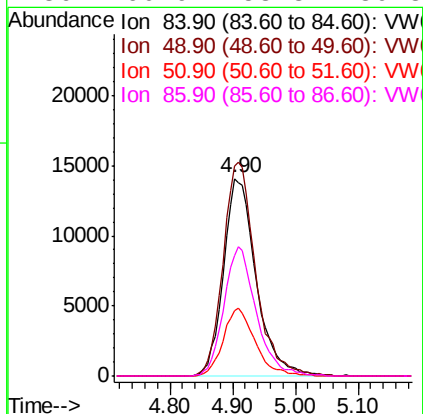
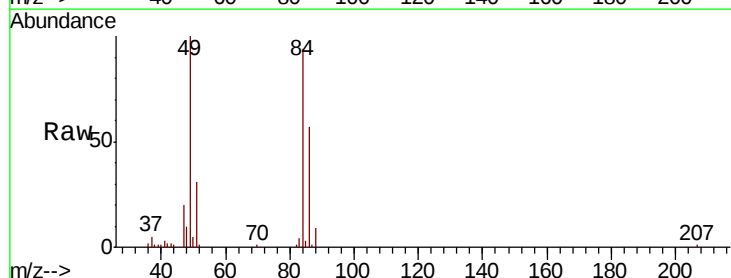
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

Tot Ion: 73 Resp: 62045
Ion Ratio Lower Upper
73 100
57 19.9 16.7 25.1



#20
Methylene Chloride
Concen: 21.360 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 84 Resp: 50636
Ion Ratio Lower Upper
84 100
49 106.1 88.2 132.4
51 33.0 27.0 40.6
86 60.9 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 22.824 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBS02

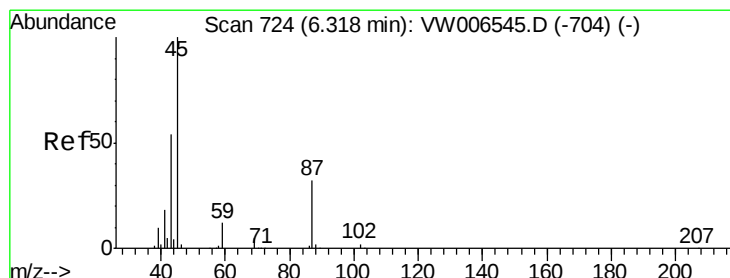
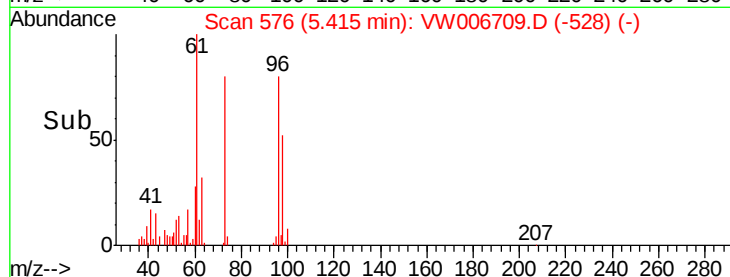
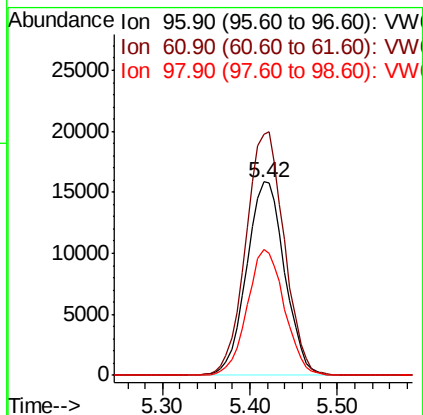
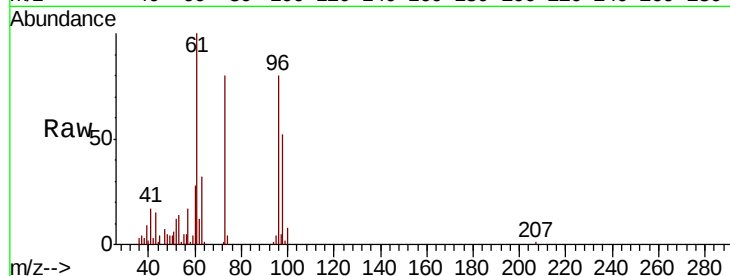
Tot Ion: 96 Resp: 47859

Ion Ratio Lower Upper

96 100

61 124.7 100.6 150.8

98 65.2 52.9 79.3



#22

Diisopropyl ether

Concen: 22.823 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Tgt Ion: 45 Resp: 115091

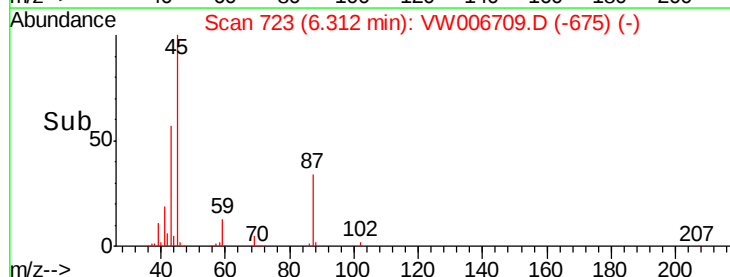
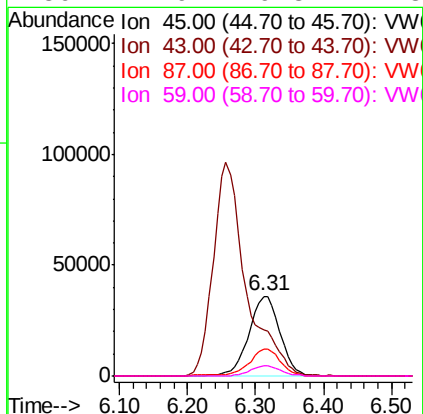
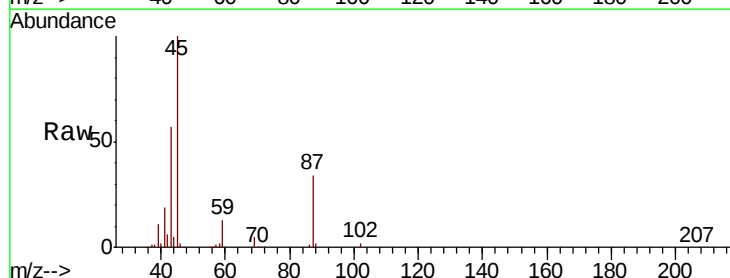
Ion Ratio Lower Upper

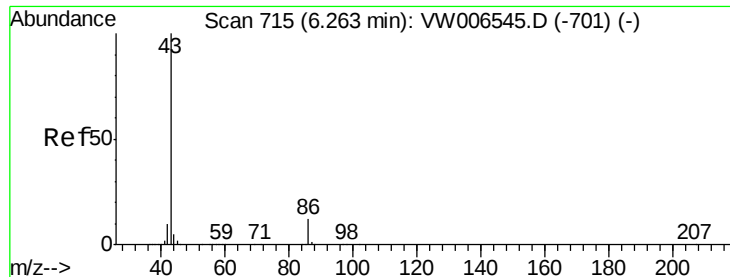
45 100

43 56.5 43.6 65.4

87 34.3 26.3 39.5

59 12.9 9.8 14.8





#23

Vinyl Acetate

Concen: 115.715 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleID :

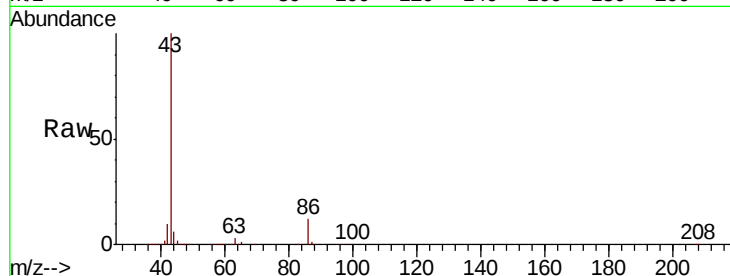
VW1106SBSD02

Tot Ion: 43 Resp: 323594

Ion Ratio Lower Upper

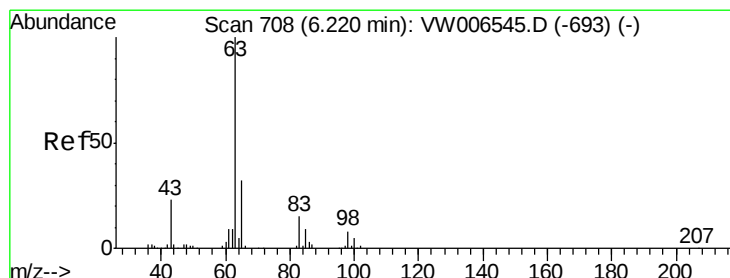
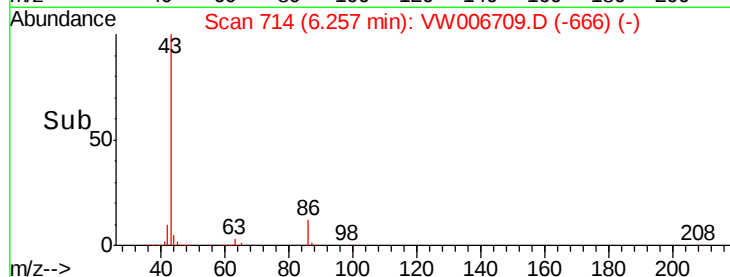
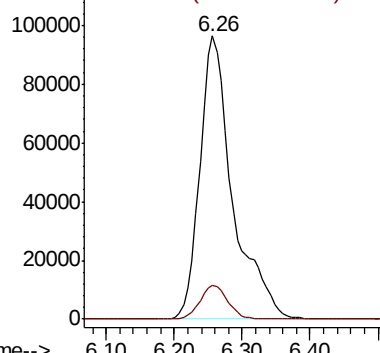
43 100

86 11.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.997 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

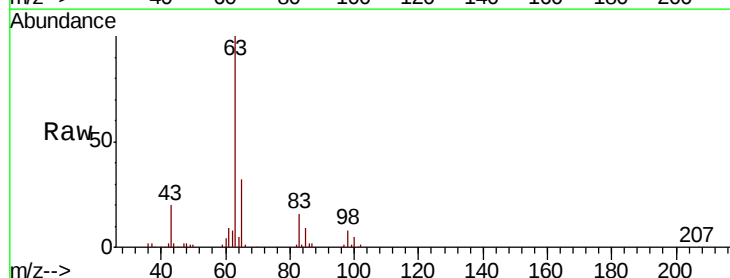
Tgt Ion: 63 Resp: 78598

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

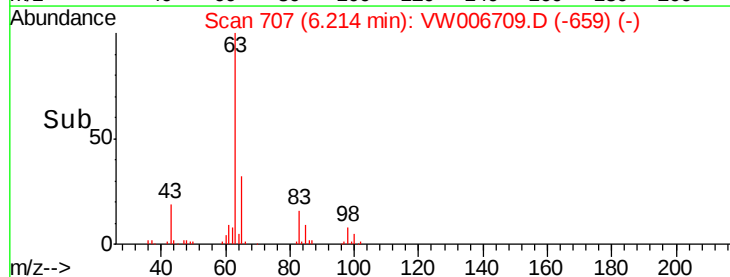
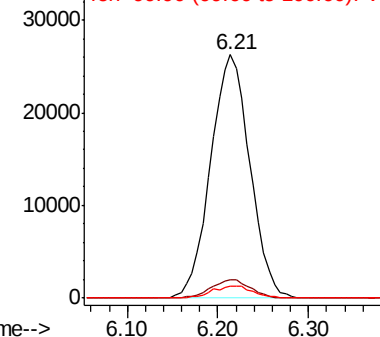
100 4.9 2.4 7.2

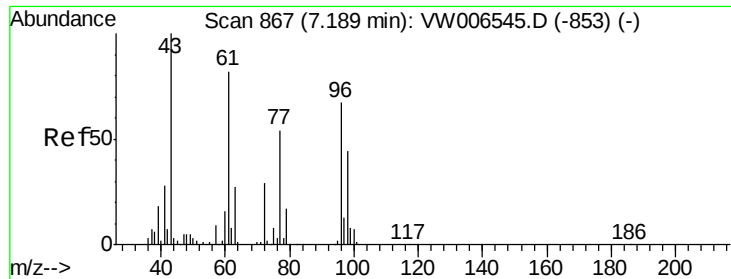


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 120.863 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

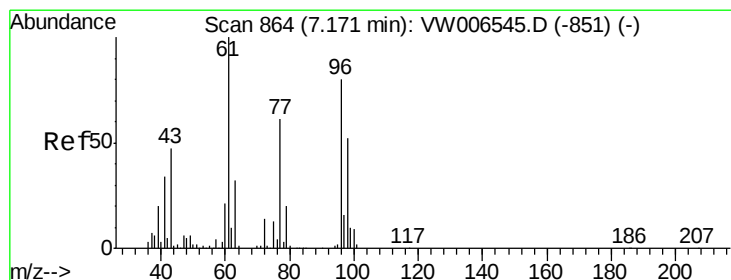
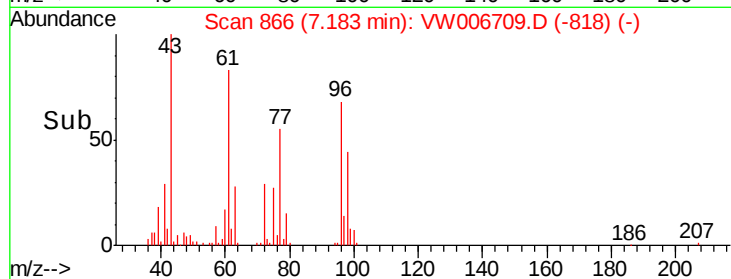
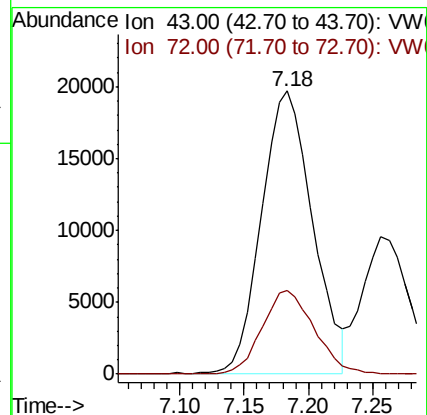
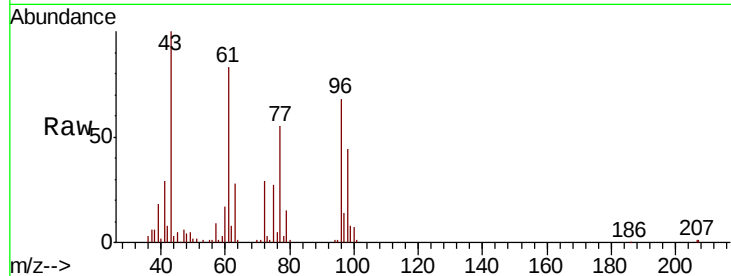
VW1106SBS02

Tot Ion: 43 Resp: 54377

Ion Ratio Lower Upper

43 100

72 29.5 23.2 34.8



#26

2,2-Dichloropropane

Concen: 21.914 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006709.D

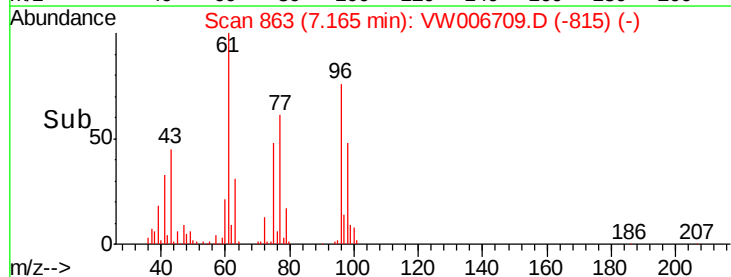
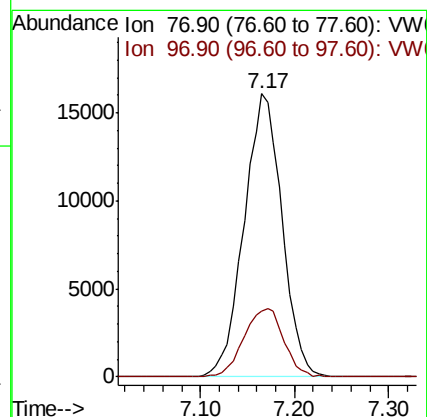
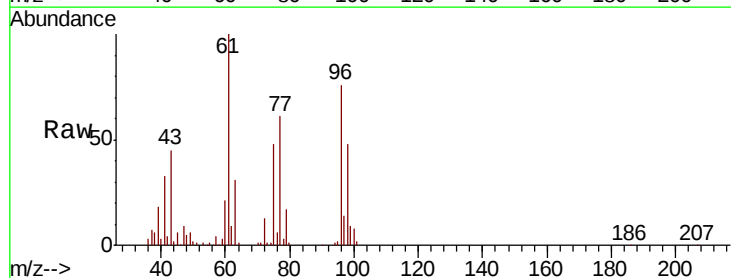
Acq: 07 Nov 2018 02:54

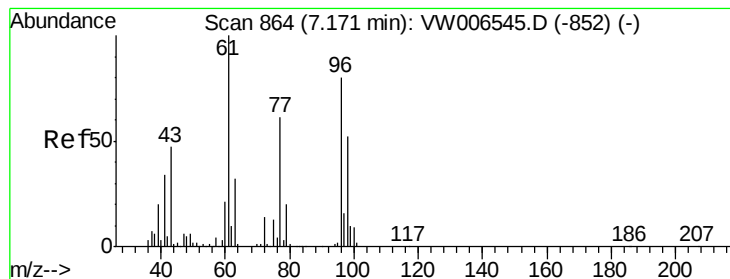
Tgt Ion: 77 Resp: 45115

Ion Ratio Lower Upper

77 100

97 25.4 12.8 38.4



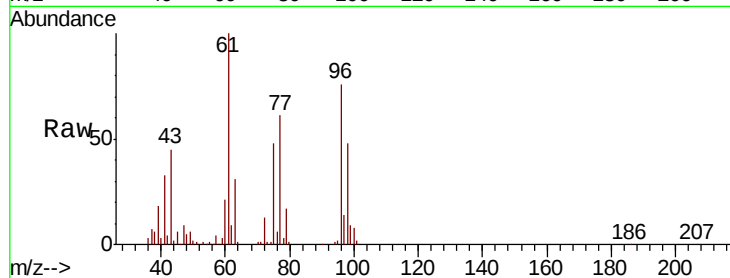


#27

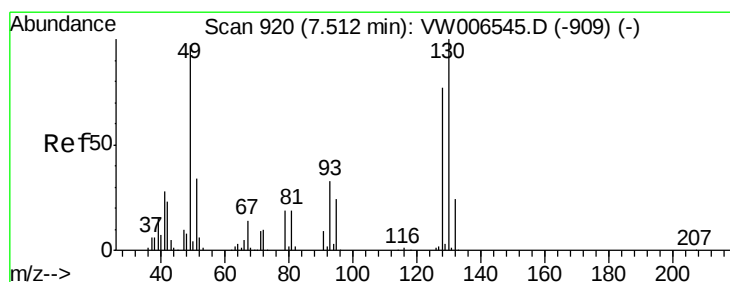
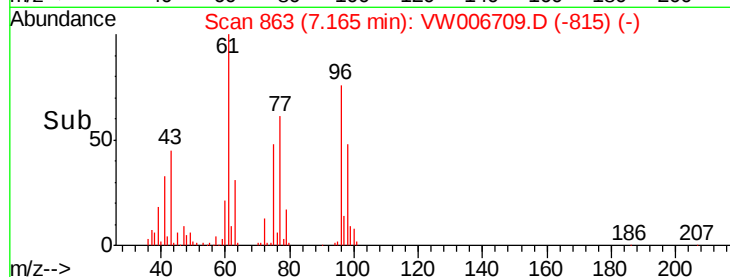
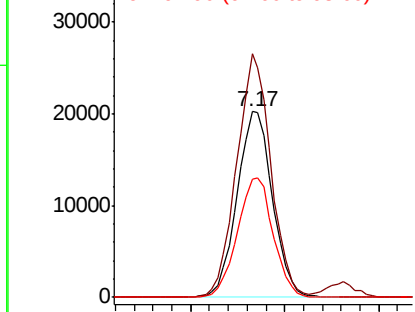
cis-1,2-Dichloroethene
 Concen: 22.616 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	254.2
98	64.8	0.0	129.6



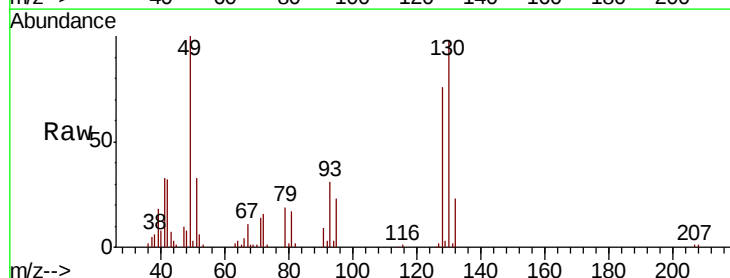
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



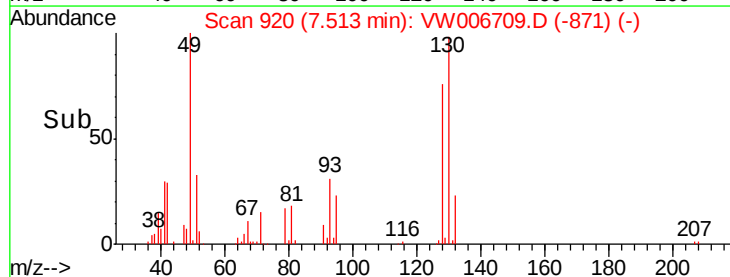
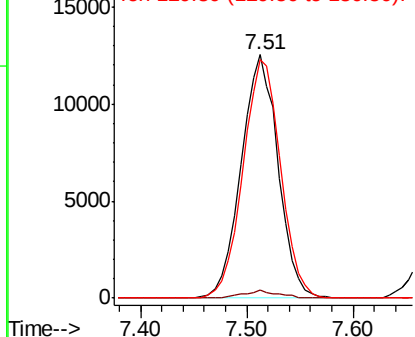
#28

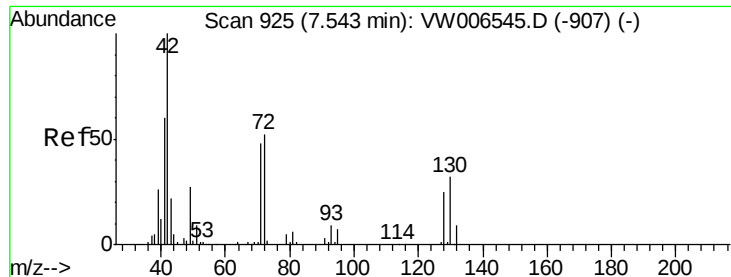
Bromochloromethane
 Concen: 22.443 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.6
130	99.6	82.2	123.2



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

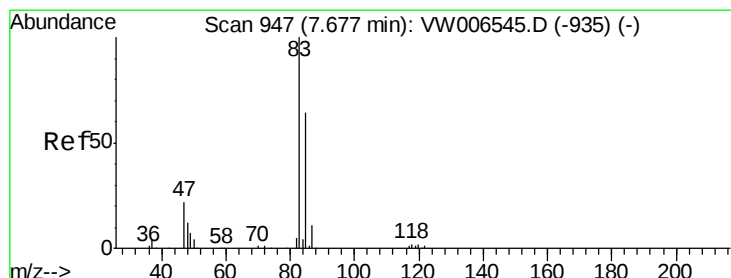
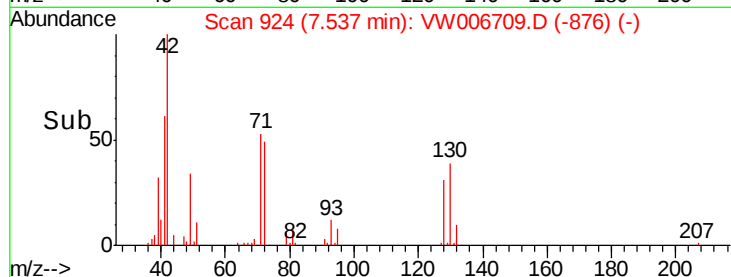
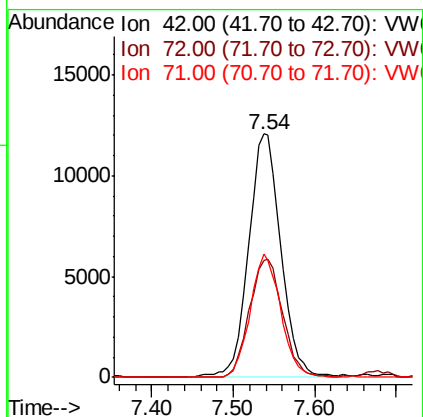
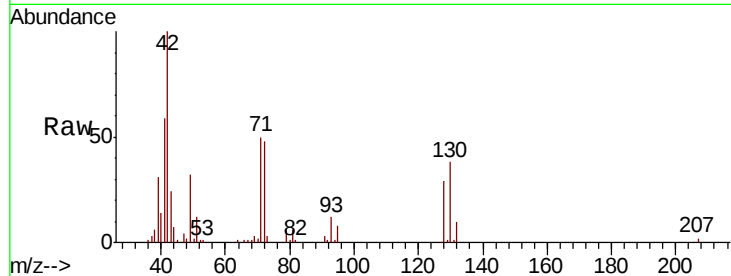




#29
Tetrahydrofuran
Concen: 117.616 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

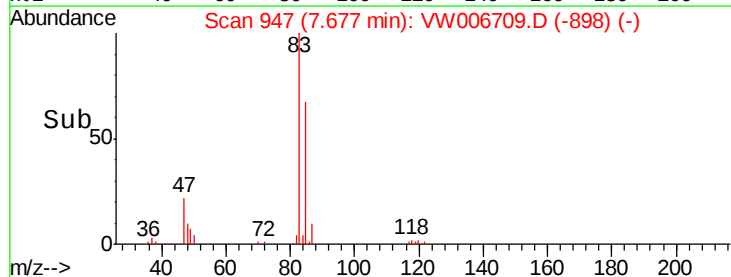
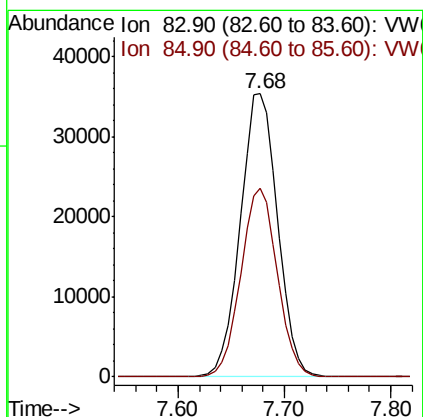
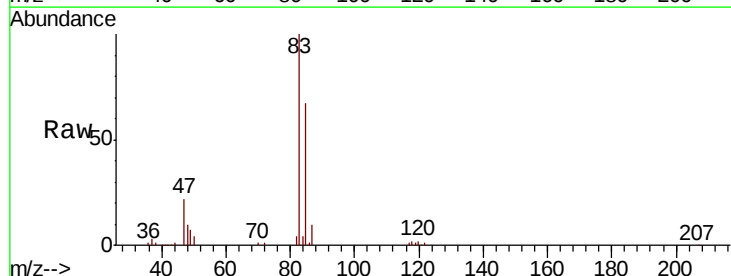
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

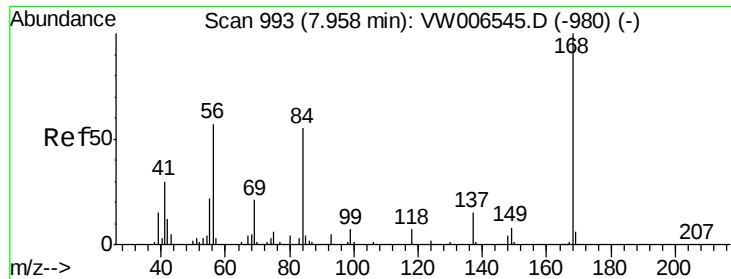
Tot Ion: 42 Resp: 33283
Ion Ratio Lower Upper
42 100
72 50.0 39.2 58.8
71 47.9 37.6 56.4



#30
Chloroform
Concen: 23.226 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 83 Resp: 87029
Ion Ratio Lower Upper
83 100
85 66.8 51.3 76.9

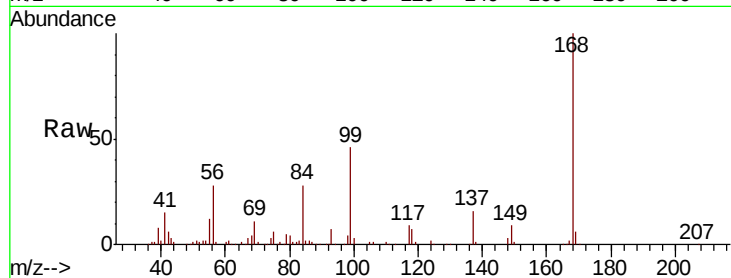




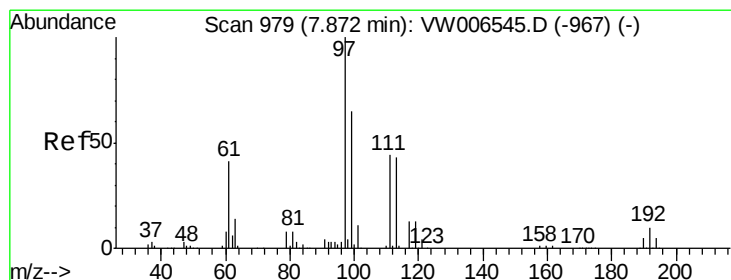
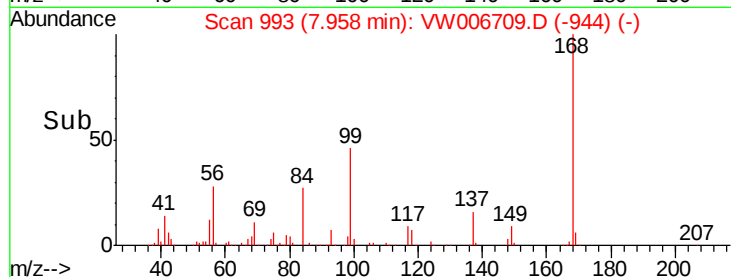
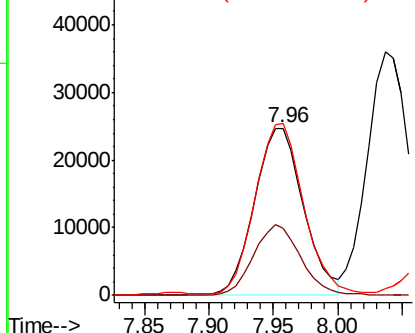
#31
Cyclohexane
Concen: 21.050 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

Tot Ion: 56 Resp: 65479
Ion Ratio Lower Upper
56 100
69 39.8 29.0 43.4
84 101.4 77.8 116.6

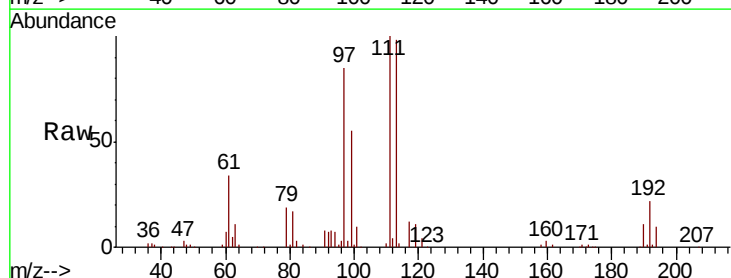


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

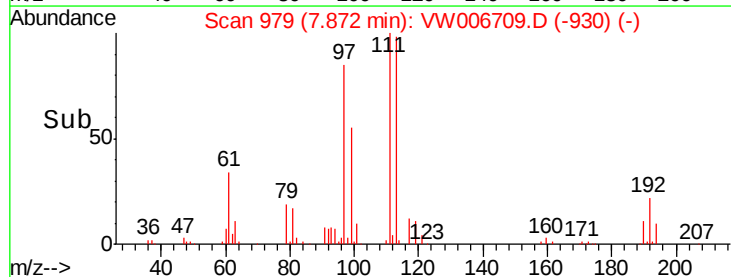
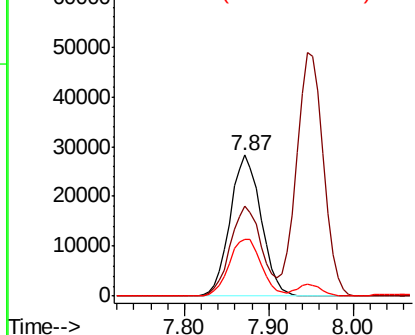


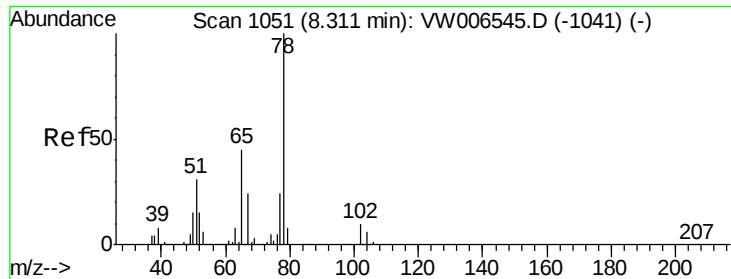
#32
1,1,1-Trichloroethane
Concen: 22.313 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 97 Resp: 70747
Ion Ratio Lower Upper
97 100
99 64.2 51.7 77.5
61 41.9 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

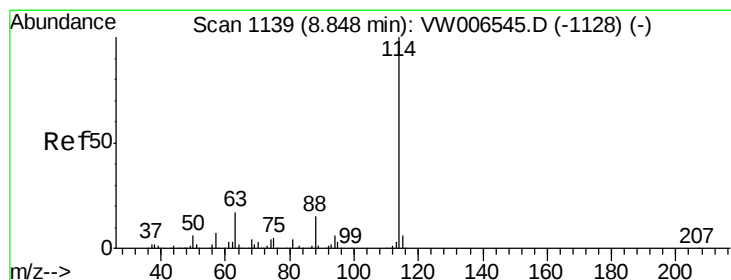
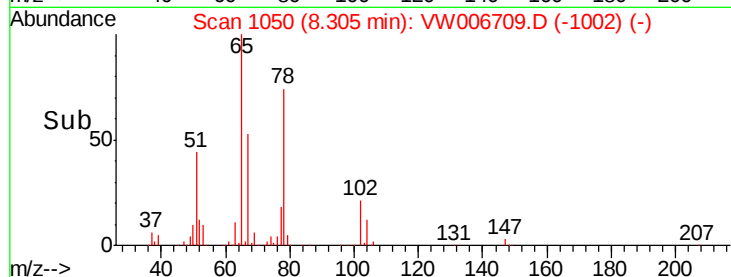
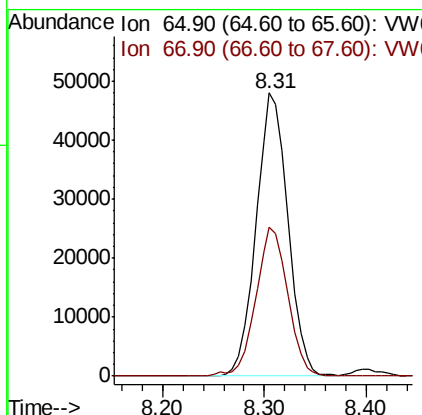
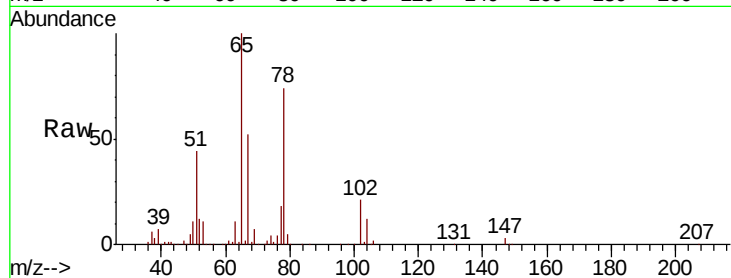




#33
 1,2-Dichloroethane-d4
 Concen: 53.183 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

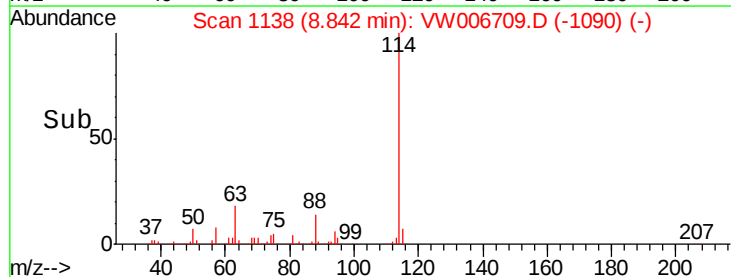
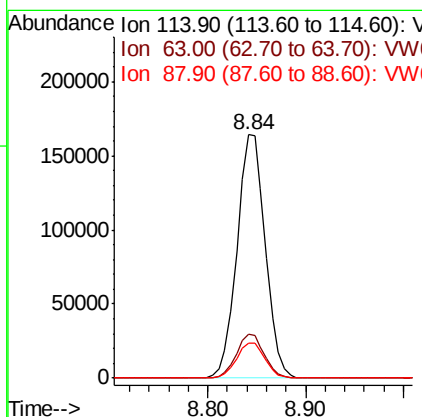
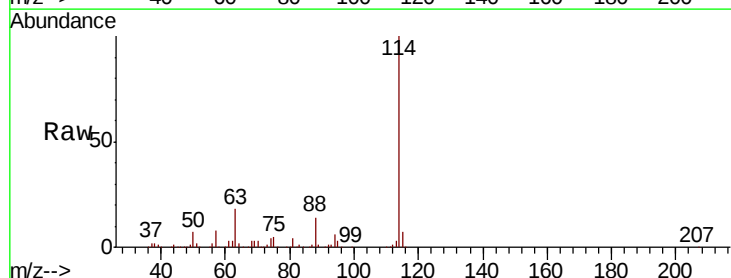
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBSD02

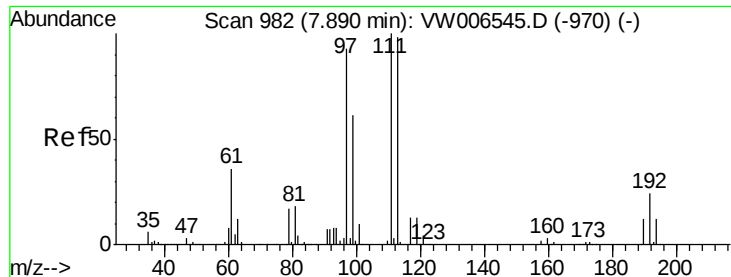
Tot Ion: 65 Resp: 103860
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 114 Resp: 328390
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 34.4
 88 14.5 0.0 29.0

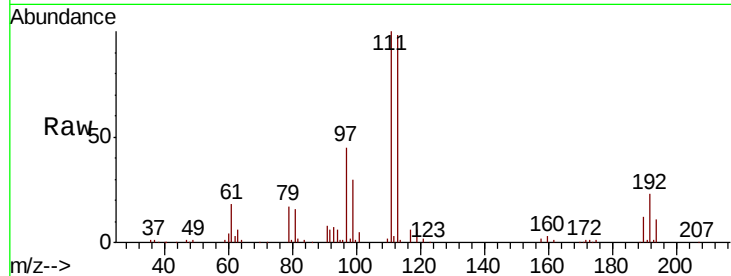




#35
Dibromofluoromethane
Concen: 53.324 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.2
192	23.6	19.0	28.6

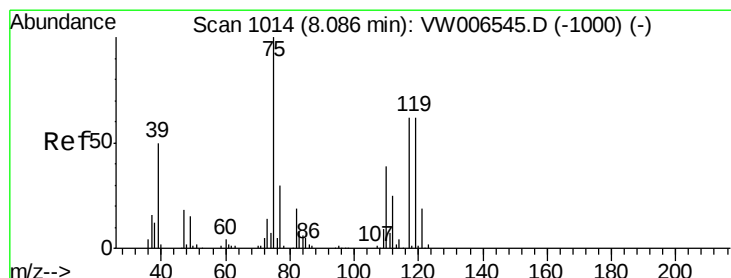
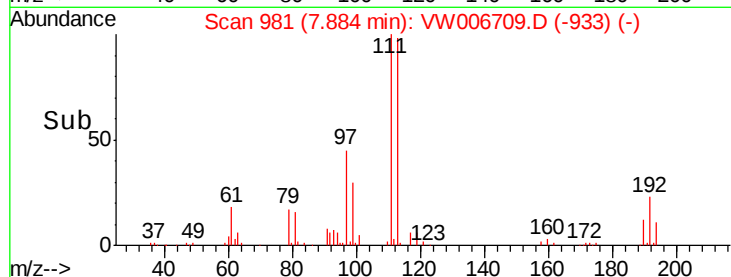
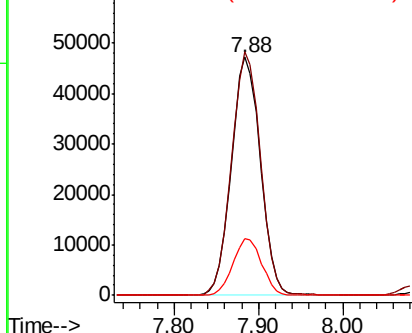


Abundance

Ion 112.80 (112.50 to 113.50): V

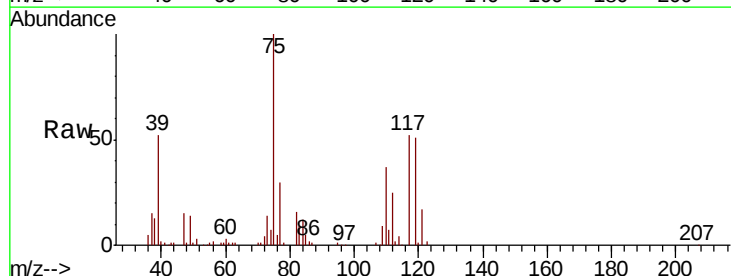
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 22.156 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.5	58.5
77	31.3	24.6	37.0

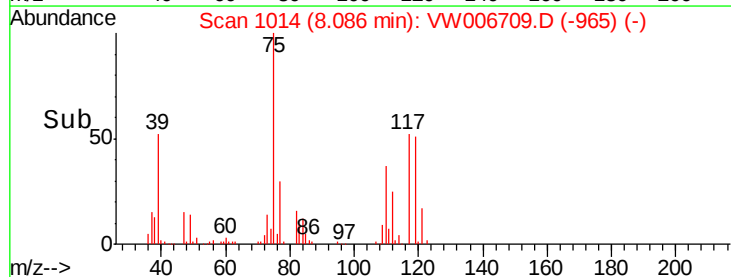
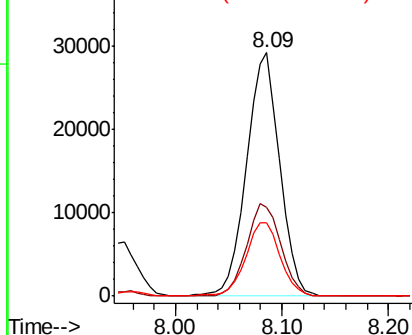


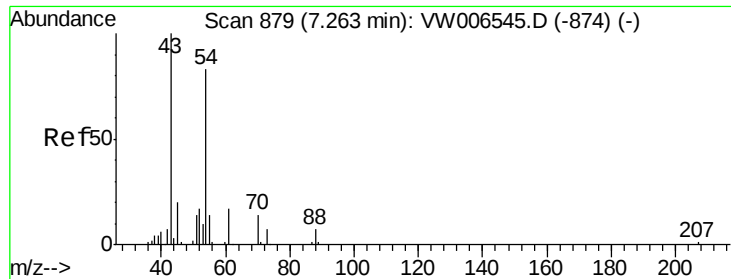
Abundance

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

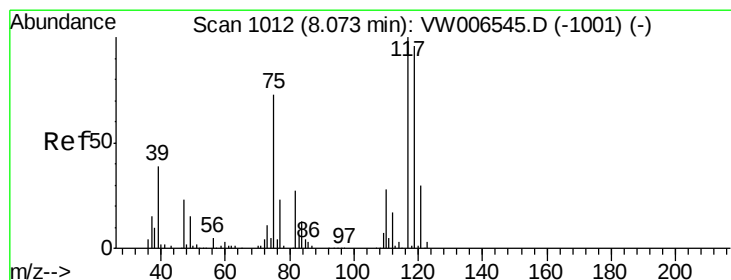
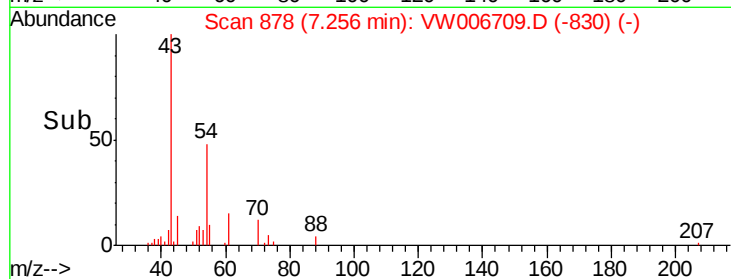
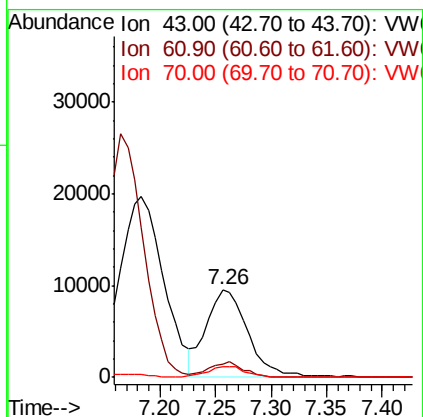
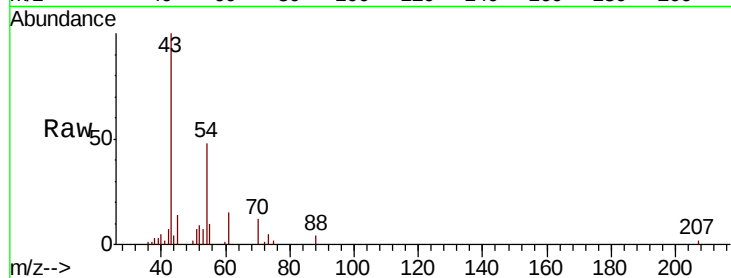




#37
Ethyl Acetate
Concen: 24.394 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

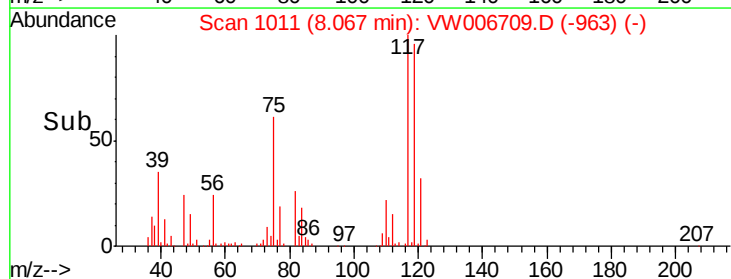
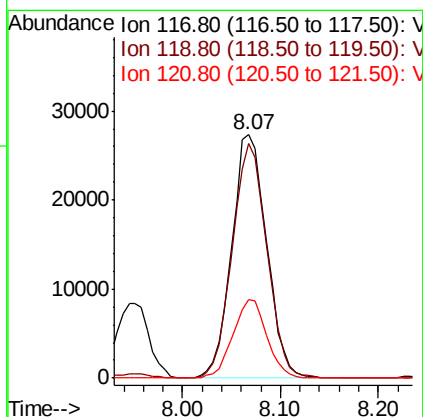
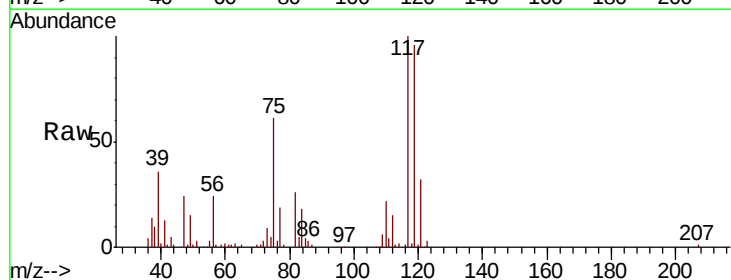
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

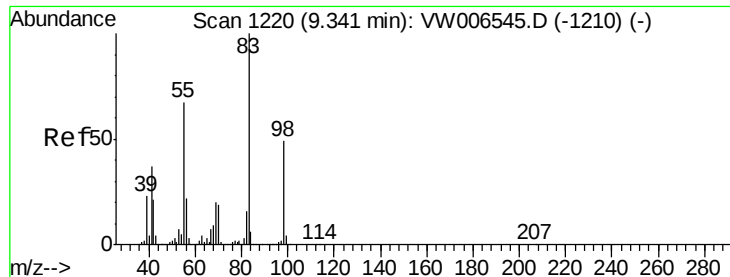
Tot Ion: 43 Resp: 24413
Ion Ratio Lower Upper
43 100
61 15.1 12.1 18.1
70 11.5 9.8 14.6



#38
Carbon Tetrachloride
Concen: 22.439 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 117 Resp: 67711
Ion Ratio Lower Upper
117 100
119 96.3 76.3 114.5
121 32.1 24.1 36.1

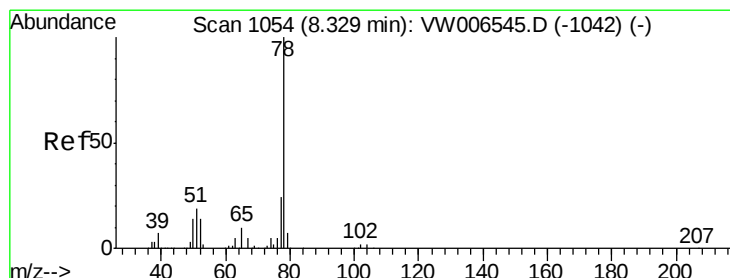
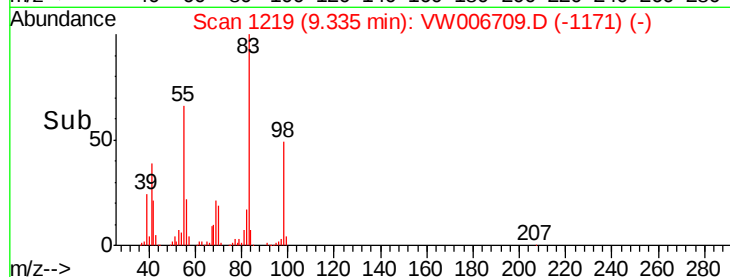
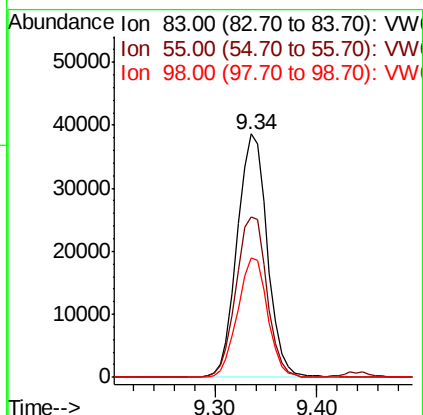
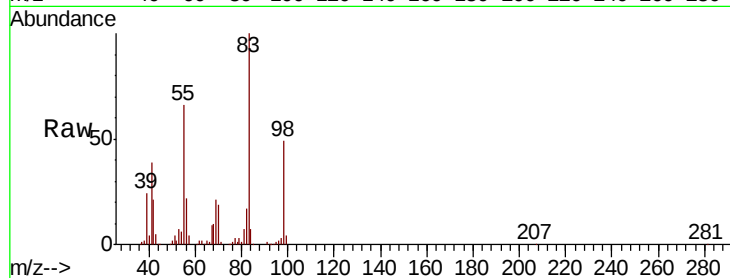




#39
Methvlcvclohexane
Concen: 21.580 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

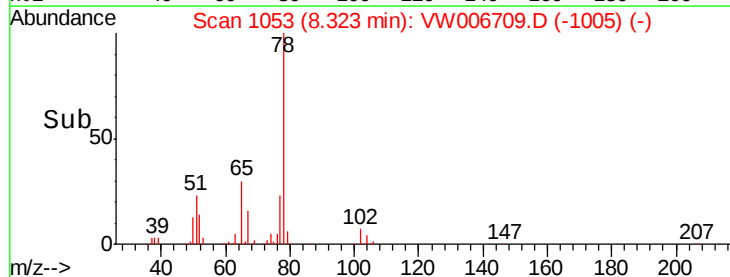
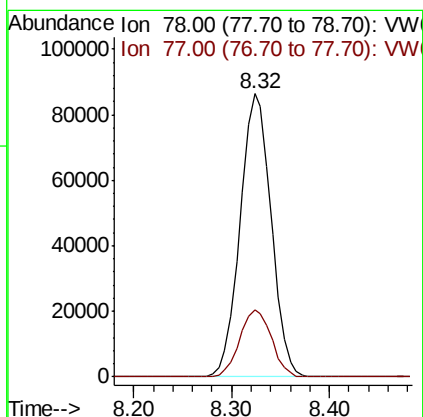
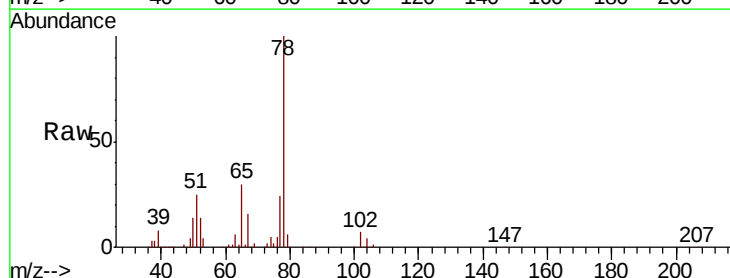
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

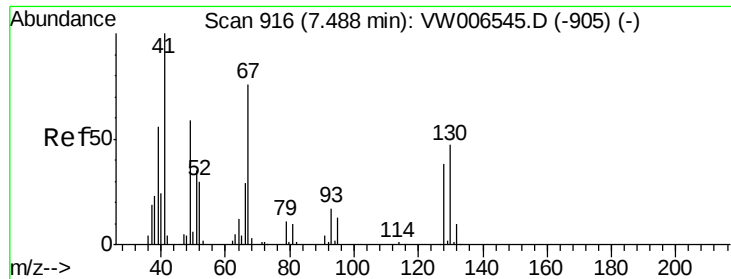
Tot Ion: 83 Resp: 79087
Ion Ratio Lower Upper
83 100
55 66.1 53.7 80.5
98 49.0 39.2 58.8



#40
Benzene
Concen: 23.191 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 78 Resp: 190231
Ion Ratio Lower Upper
78 100
77 23.5 19.2 28.8

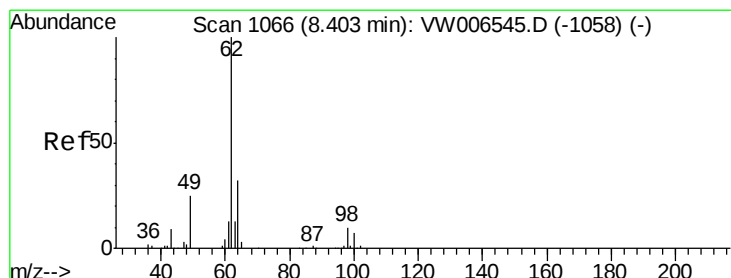
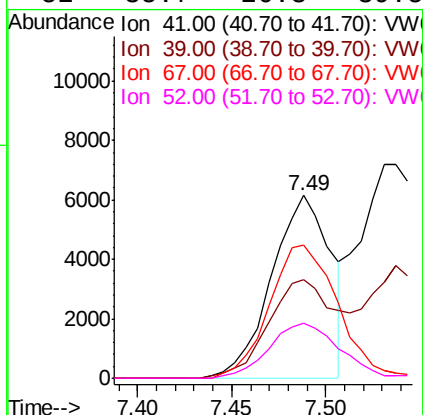
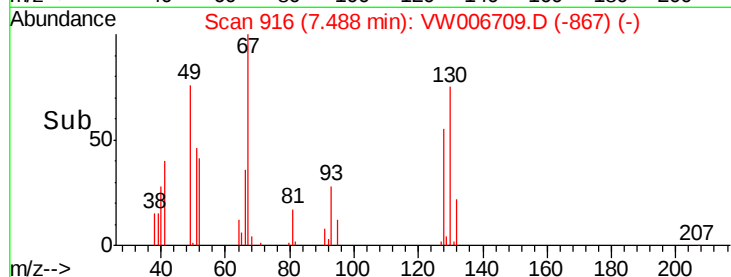
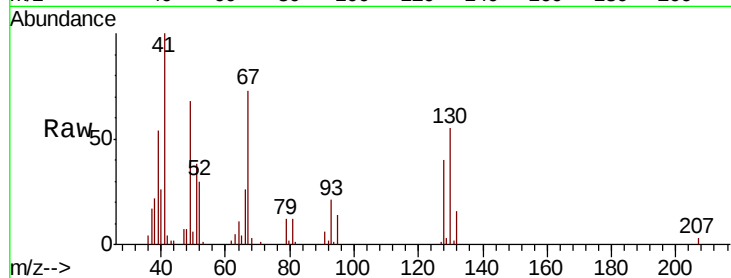




#41
Methacrylonitrile
Concen: 21.815 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

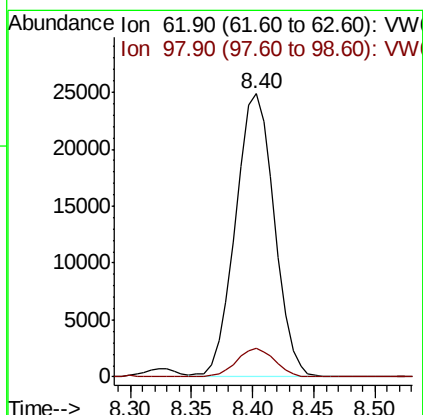
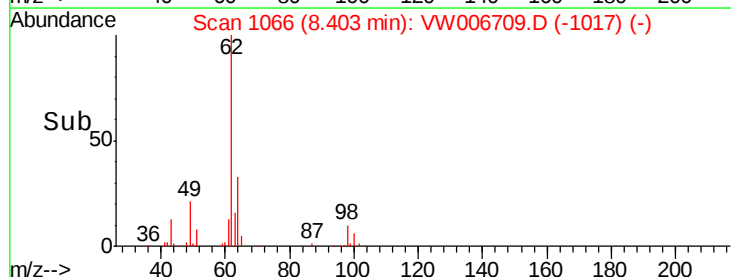
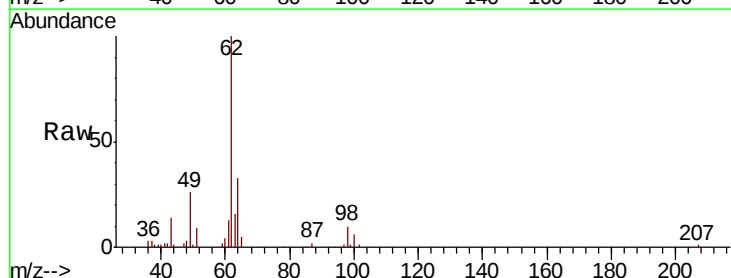
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

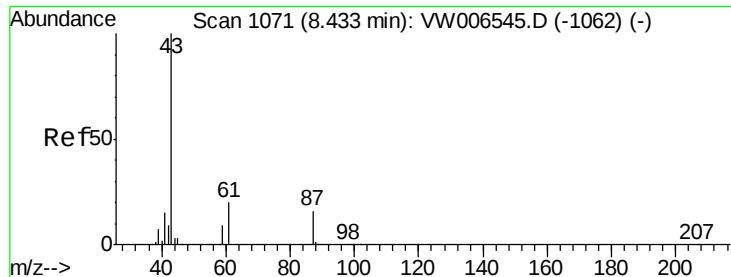
Tot Ion:	41	Resp:	13387
Ion	Ratio	Lower	Upper
41	100		
39	63.4	44.5	66.7
67	84.3	63.8	95.8
52	35.7	26.3	39.5



#42
1,2-Dichloroethane
Concen: 23.324 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion:	62	Resp:	54868
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

Isopropyl Acetate

Concen: 23.576 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBS02

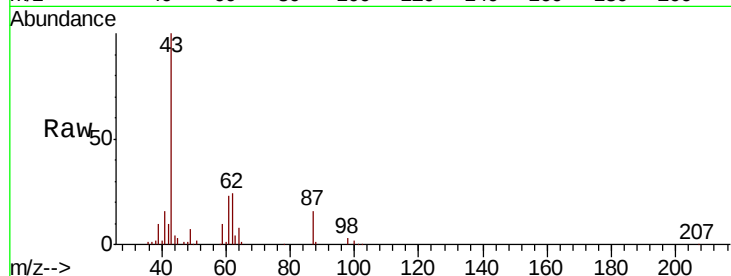
Tot Ion: 43 Resp: 47081

Ion Ratio Lower Upper

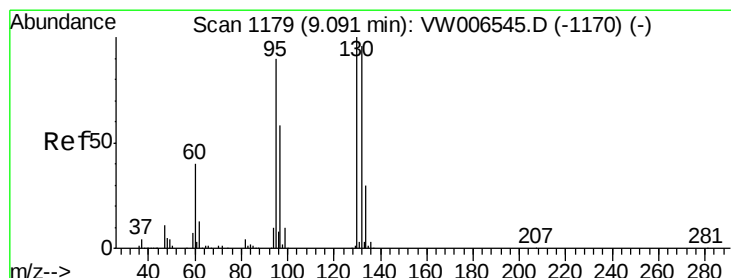
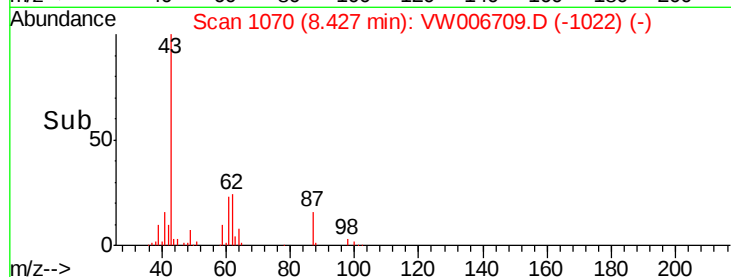
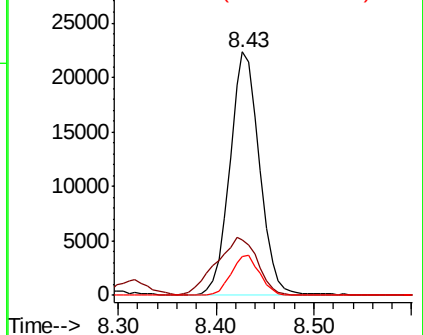
43 100

61 33.2 27.2 40.8

87 15.7 12.9 19.3



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: 22.346 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006709.D

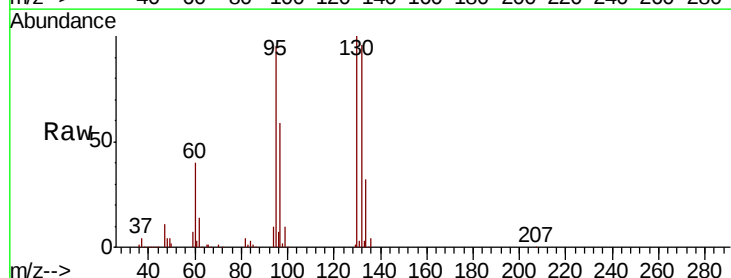
Acq: 07 Nov 2018 02:54

Tgt Ion:130 Resp: 56563

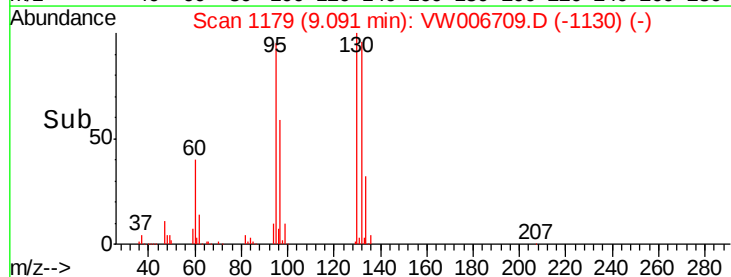
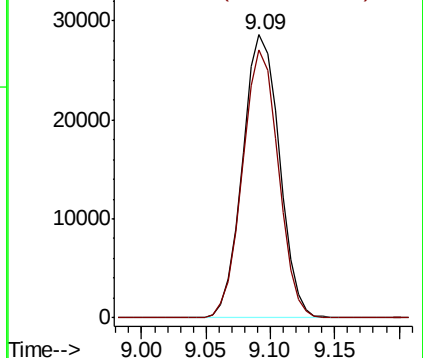
Ion Ratio Lower Upper

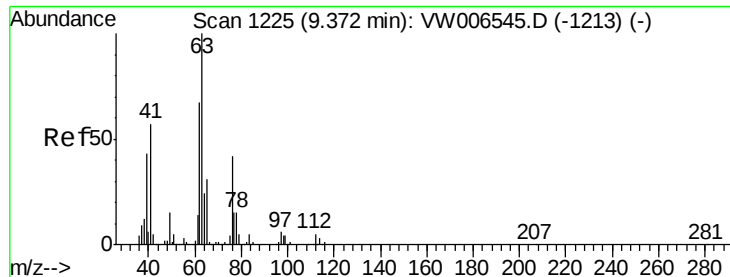
130 100

95 94.9 0.0 179.2



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

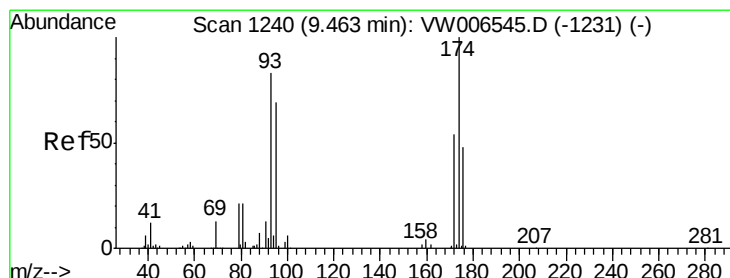
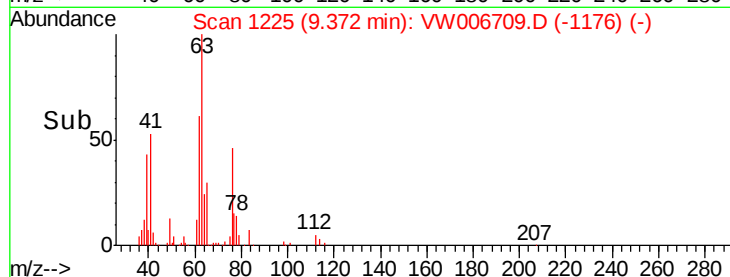
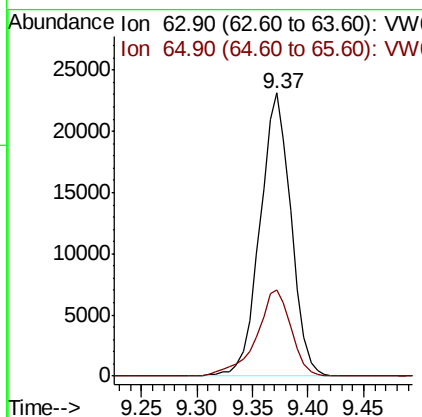
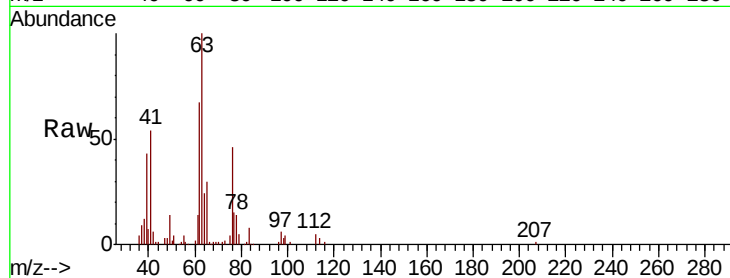




#45
 1,2-Dichloropropane
 Concen: 23.540 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

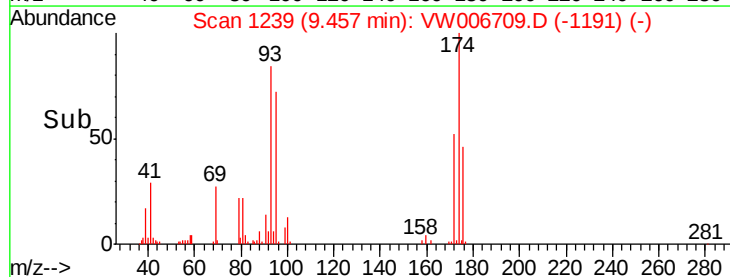
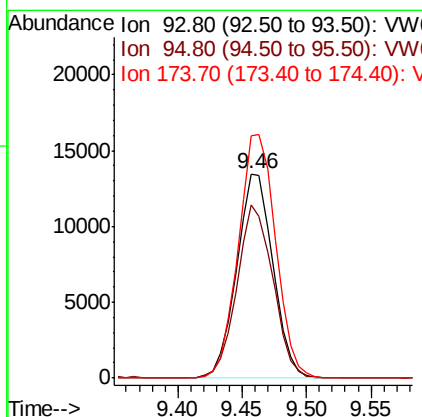
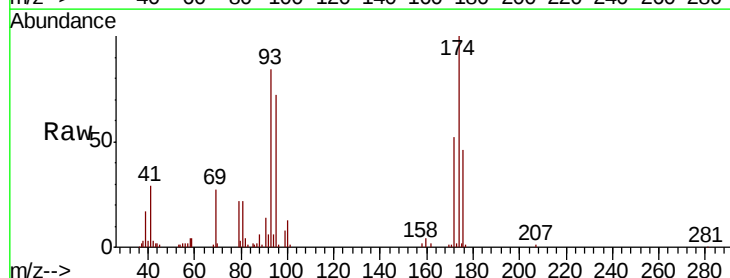
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

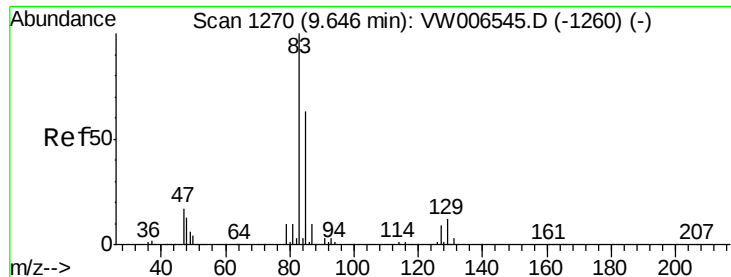
Tot Ion: 63 Resp: 44936
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.1 37.7



#46
 Dibromomethane
 Concen: 23.361 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 93 Resp: 26214
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 122.8 97.3 145.9

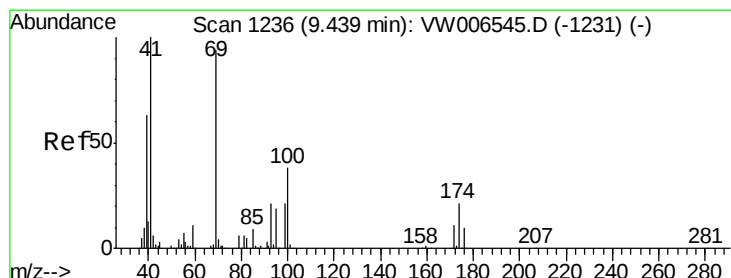
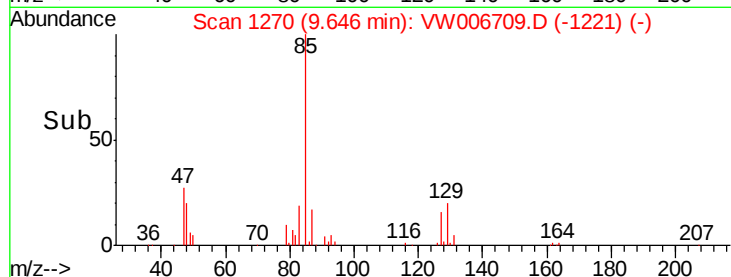
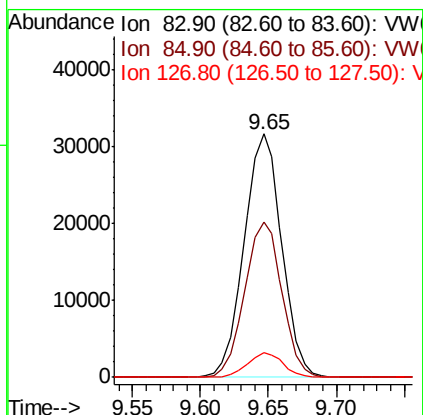
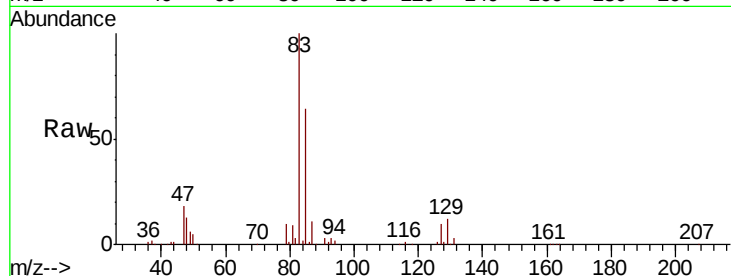




#47
Bromodichloromethane
Concen: 23.436 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

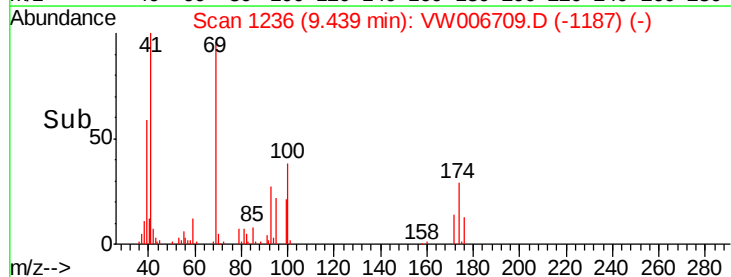
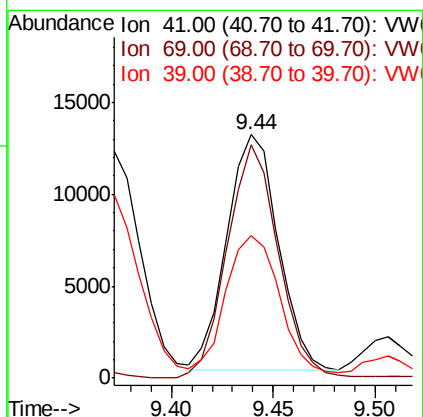
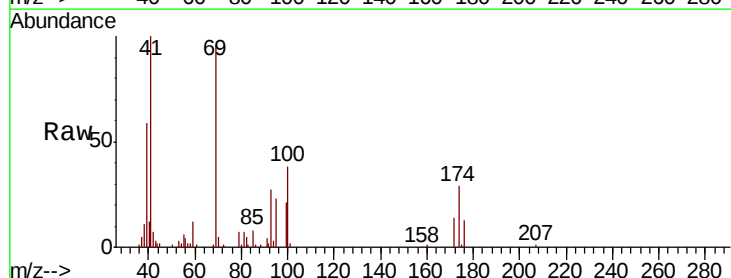
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

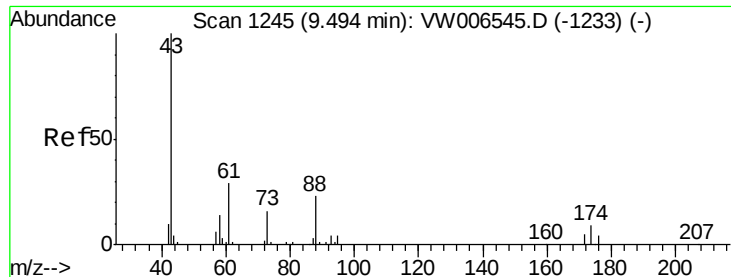
Tot Ion: 83 Resp: 61063
Ion Ratio Lower Upper
83 100
85 63.8 50.6 75.8
127 10.2 7.5 11.3



#48
Methyl methacrylate
Concen: 23.388 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 41 Resp: 22503
Ion Ratio Lower Upper
41 100
69 99.2 77.8 116.8
39 65.5 48.7 73.1





#49

1,4-Dioxane

Concen: 469.183 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBSD02

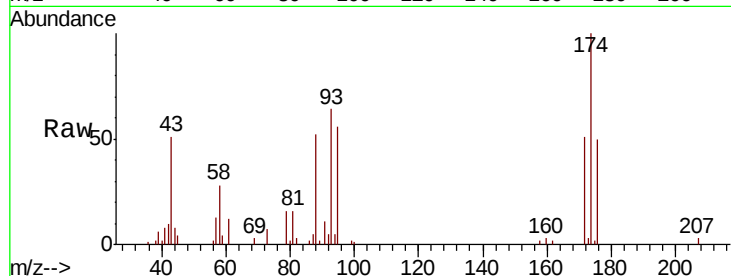
Tot Ion: 88 Resp: 7705

Ion Ratio Lower Upper

88 100

43 0.0 356.6 534.8#

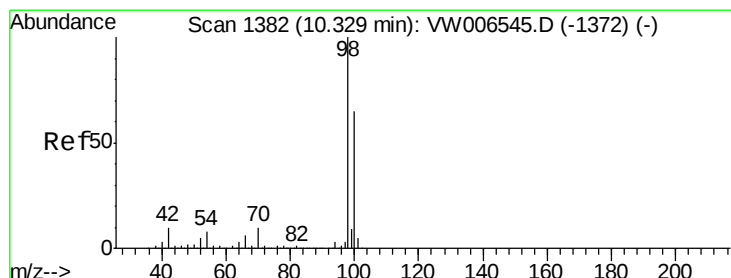
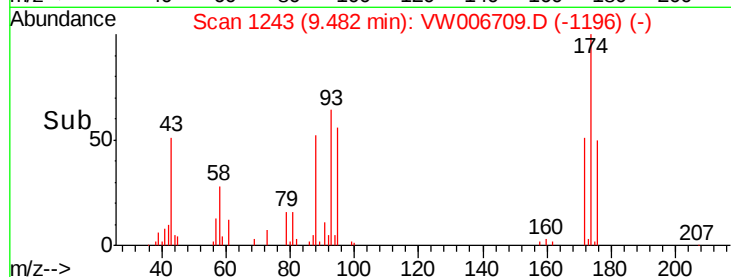
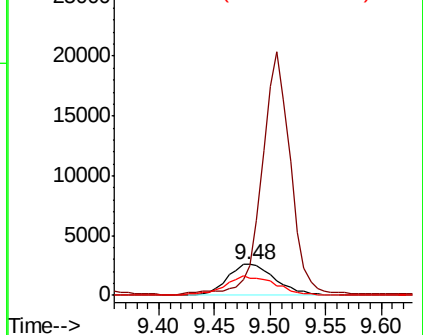
58 65.5 51.4 77.2



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.504 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006709.D

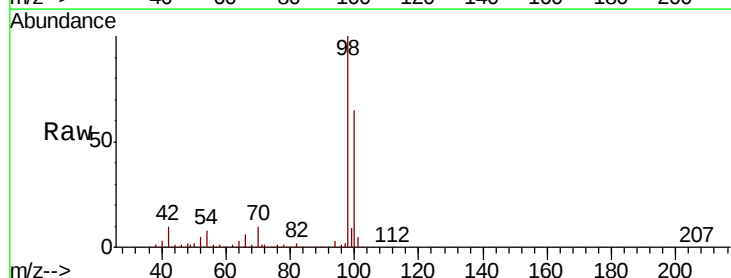
Acq: 07 Nov 2018 02:54

Tgt Ion: 98 Resp: 404077

Ion Ratio Lower Upper

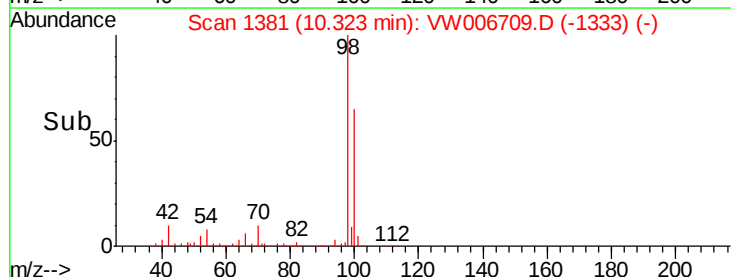
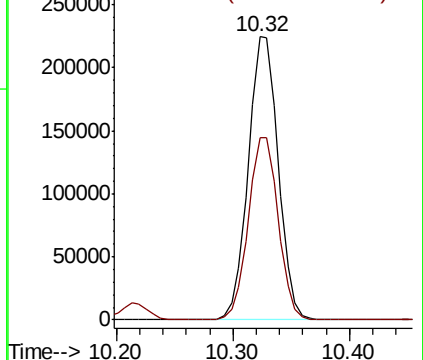
98 100

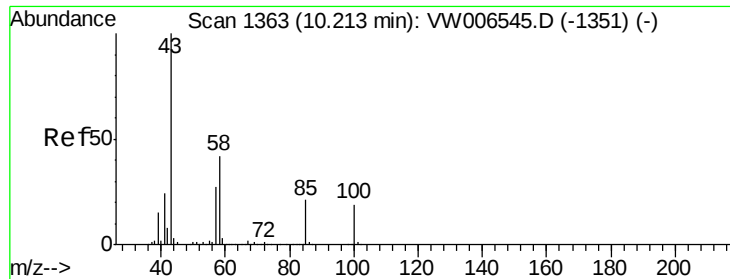
100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 121.086 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

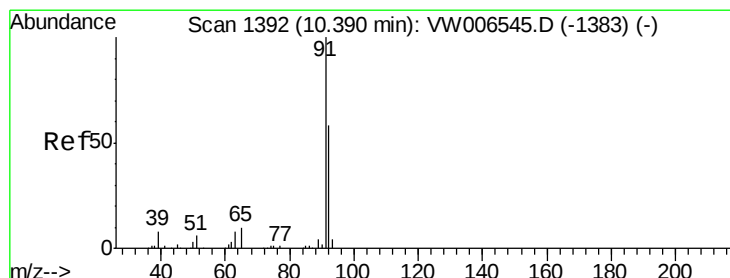
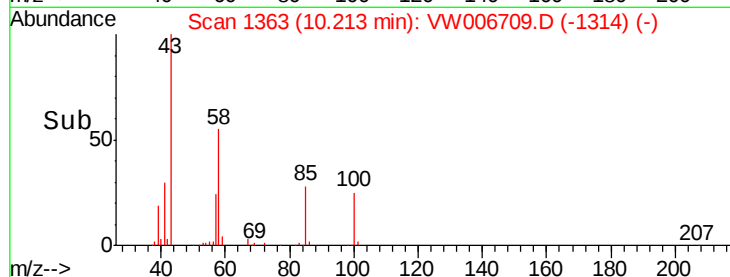
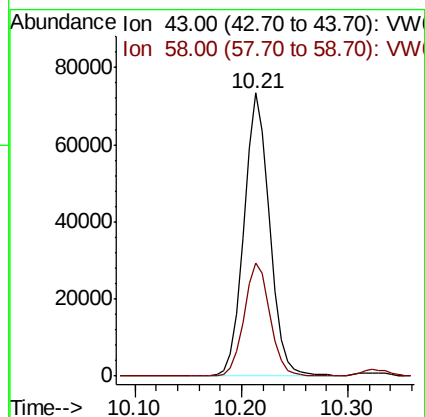
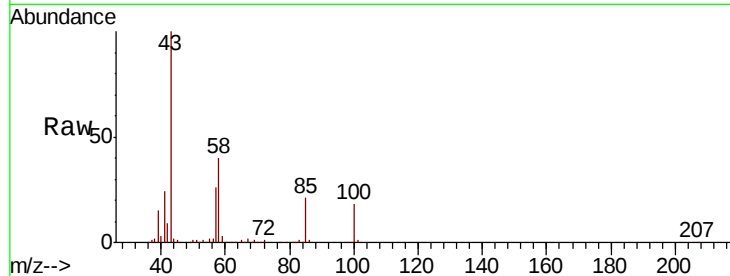
VW1106SBSD02

Tot Ion: 43 Resp: 124190

Ion Ratio Lower Upper

43 100

58 40.5 33.4 50.0



#52

Toluene

Concen: 22.744 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006709.D

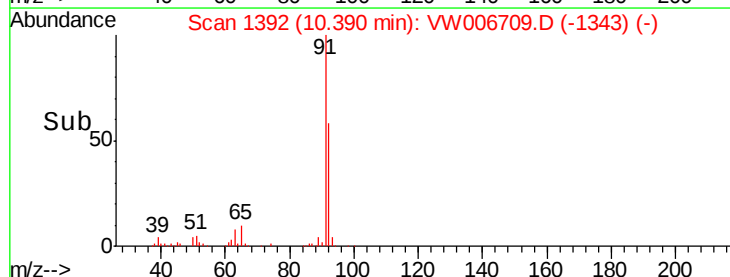
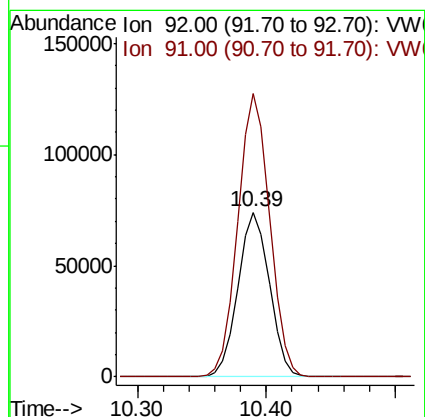
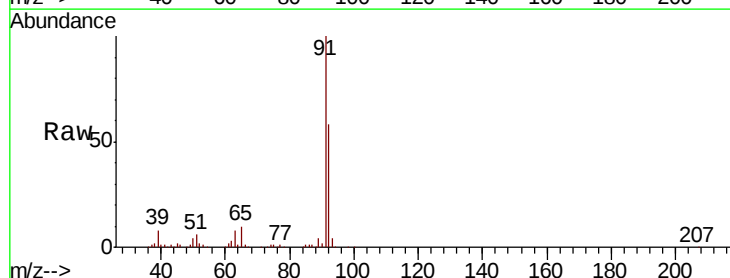
Acq: 07 Nov 2018 02:54

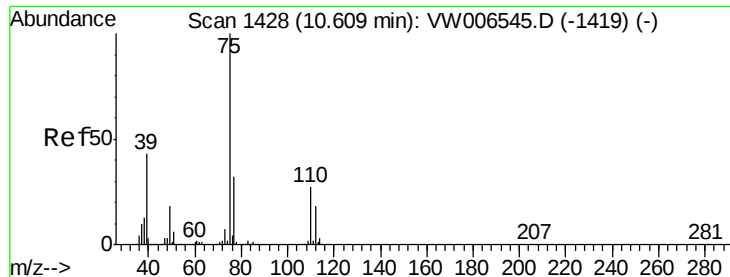
Tgt Ion: 92 Resp: 125127

Ion Ratio Lower Upper

92 100

91 174.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 22.899 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

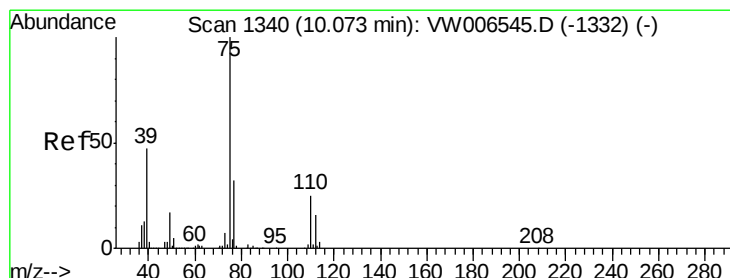
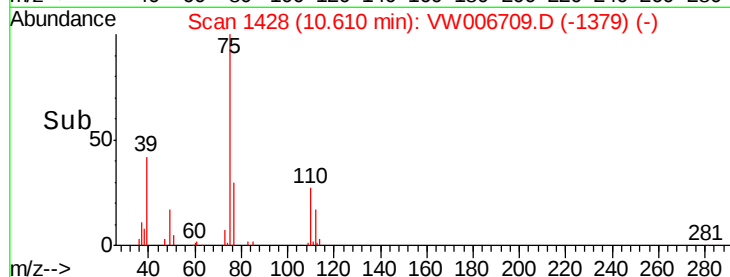
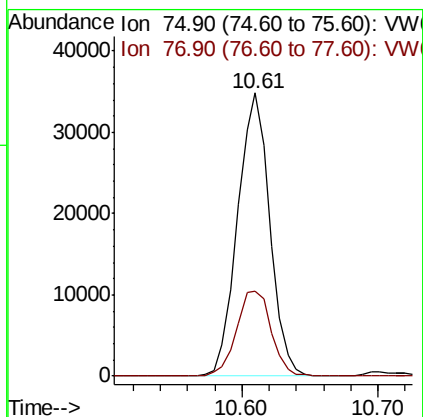
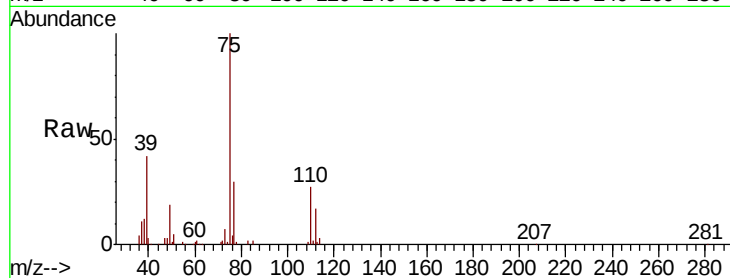
VW1106SBSD02

Tot Ion: 75 Resp: 57419

Ion Ratio Lower Upper

75 100

77 30.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 22.830 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

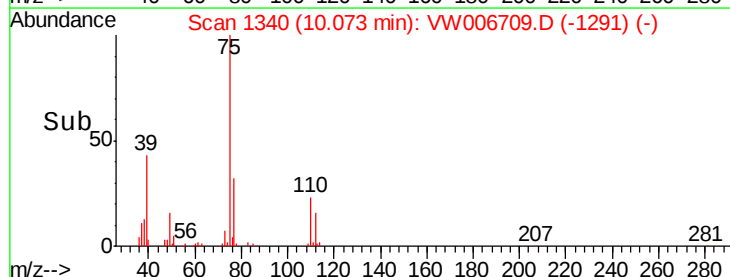
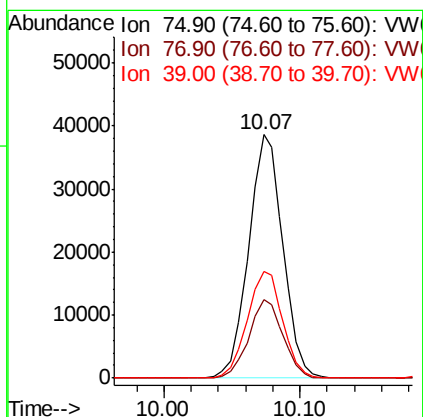
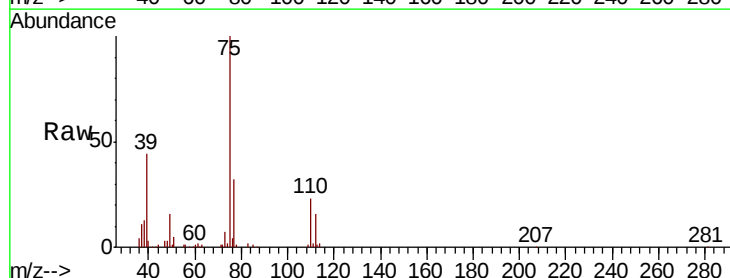
Tgt Ion: 75 Resp: 67650

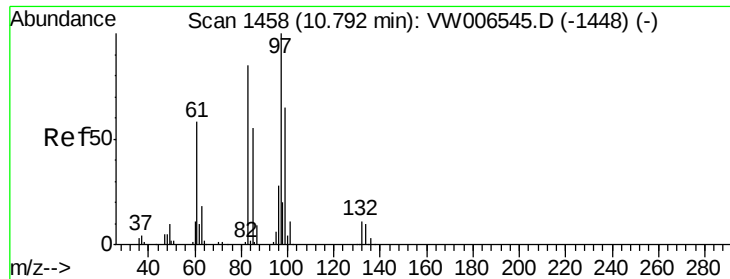
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 43.7 37.3 55.9

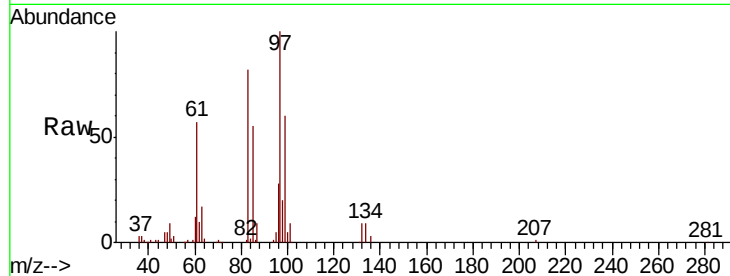




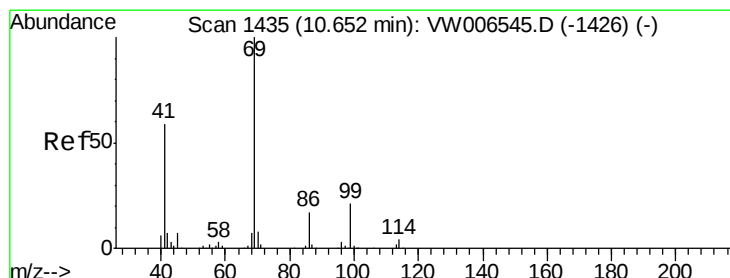
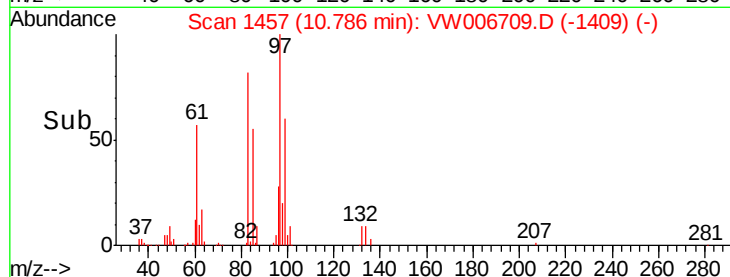
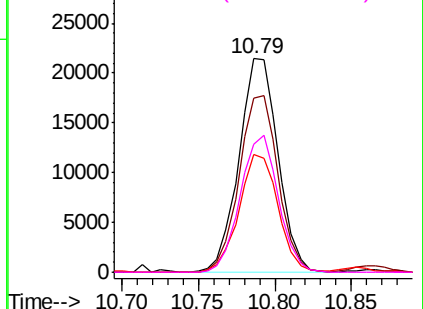
#55
 1,1,2-Trichloroethane
 Concen: 23.920 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

Tot Ion: 97 Resp: 38084
 Ion Ratio Lower Upper
 97 100
 83 81.6 67.9 101.9
 85 55.3 44.0 66.0
 99 59.9 52.2 78.2

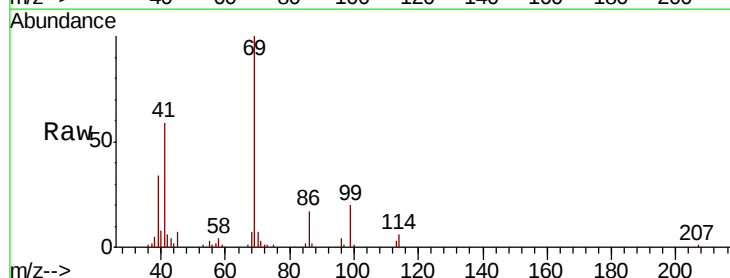


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

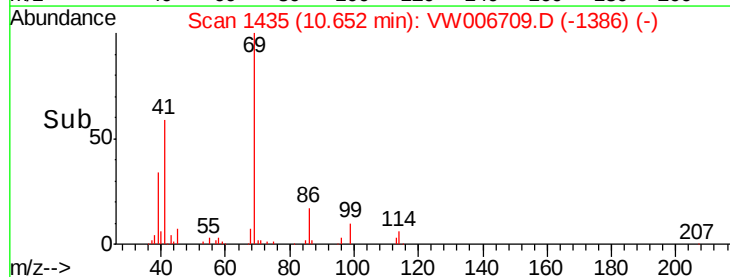
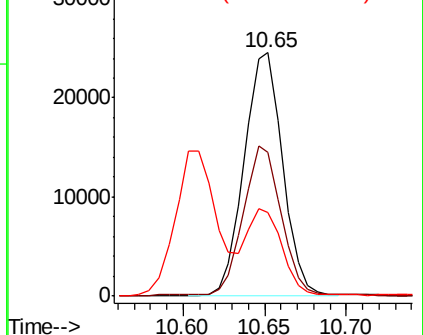


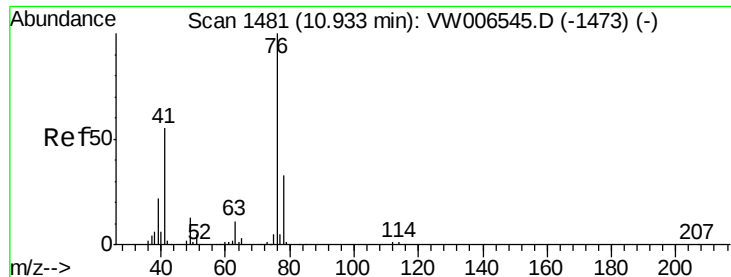
#56
 Ethyl methacrylate
 Concen: 22.442 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 69 Resp: 40611
 Ion Ratio Lower Upper
 69 100
 41 61.6 47.4 71.2
 39 31.0 25.3 37.9



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

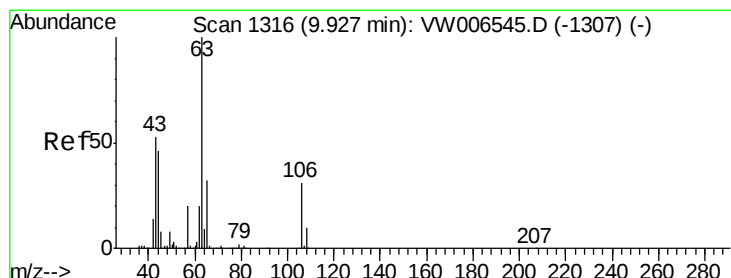
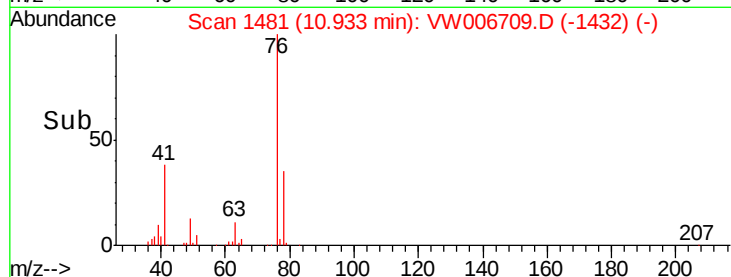
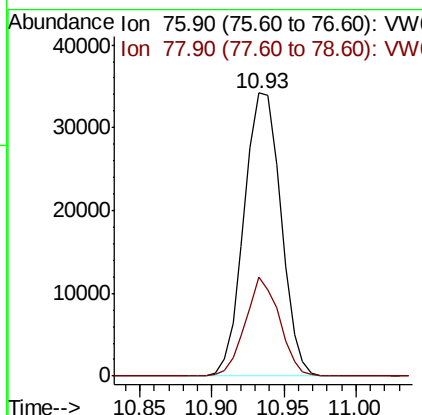
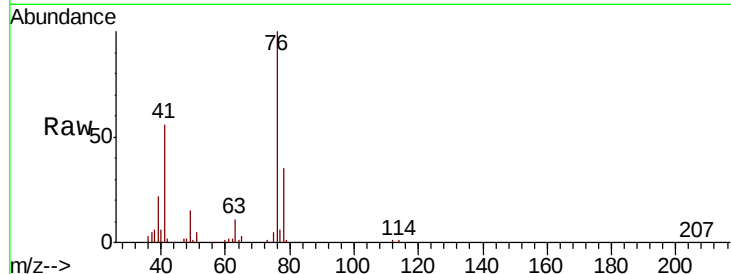




#57
 1,3-Dichloropropane
 Concen: 23.519 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

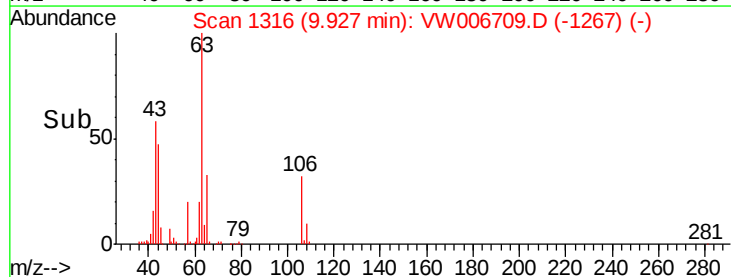
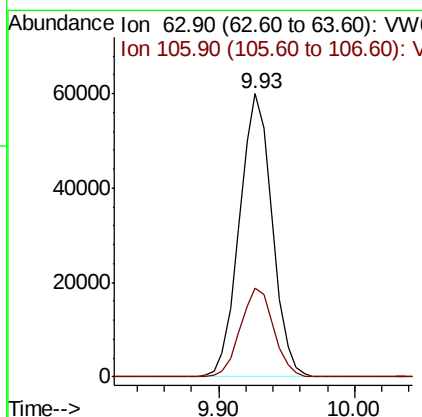
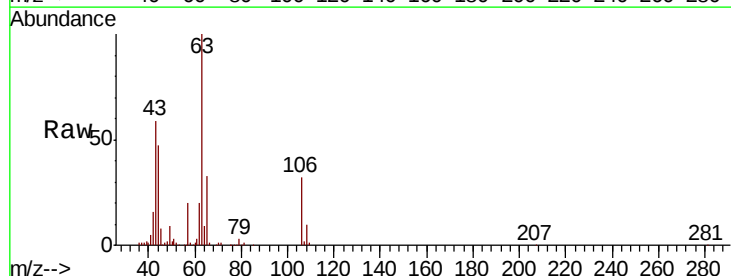
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

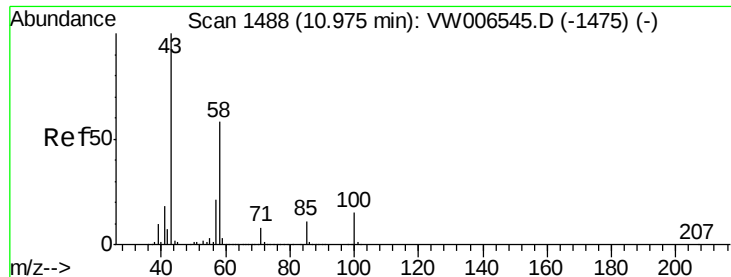
Tot Ion: 76 Resp: 60804
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 114.414 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 63 Resp: 100647
 Ion Ratio Lower Upper
 63 100
 106 31.7 25.4 38.2

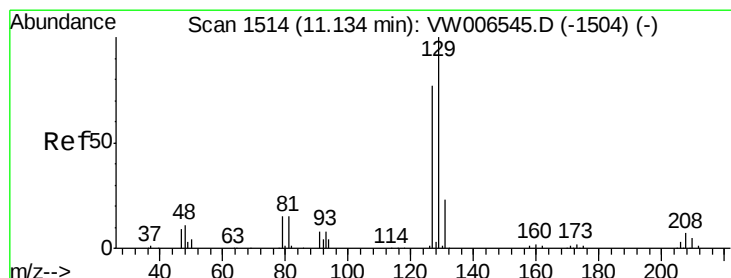
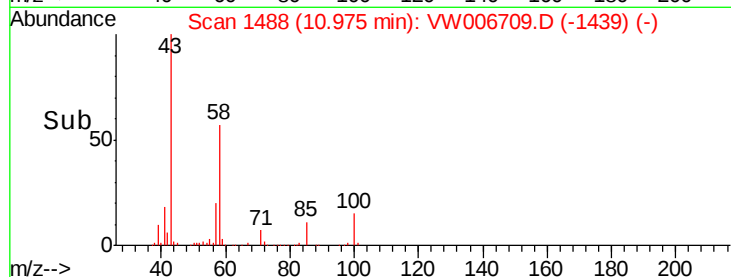
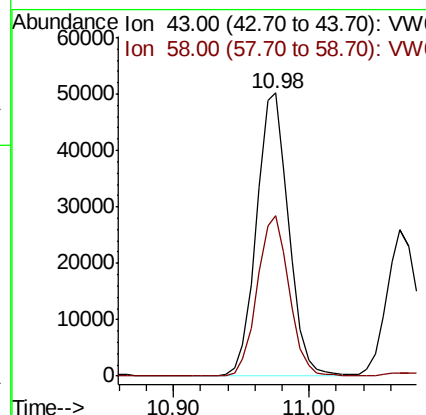
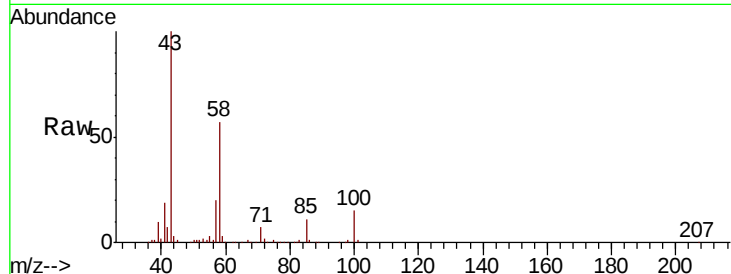




#59
2-Hexanone
Concen: 119.358 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

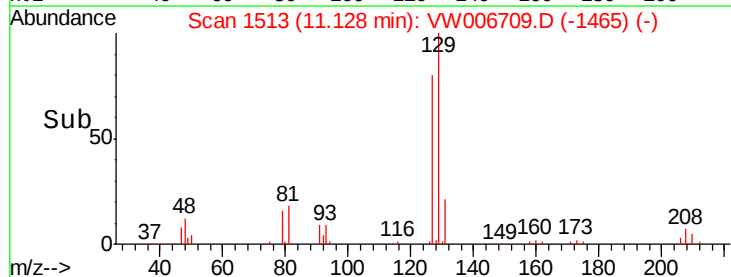
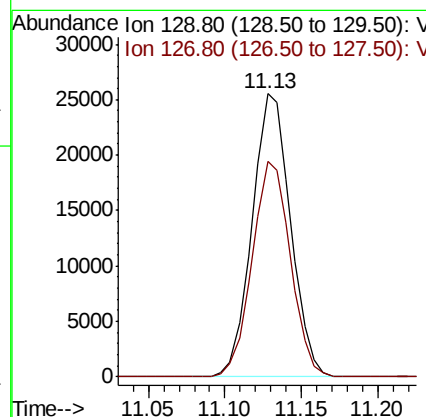
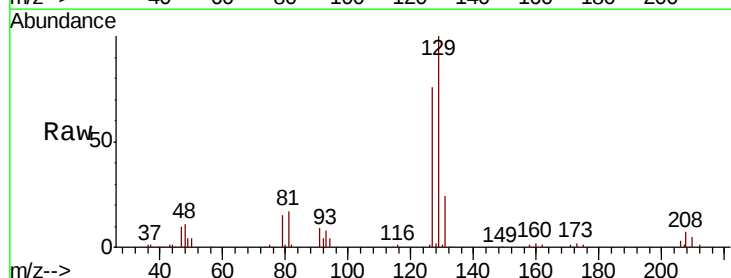
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

Tot Ion: 43 Resp: 83145
Ion Ratio Lower Upper
43 100
58 56.5 28.8 86.4



#60
Dibromochloromethane
Concen: 23.625 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 129 Resp: 44565
Ion Ratio Lower Upper
129 100
127 75.9 38.8 116.3





#61

1,2-Dibromoethane

Concen: 23.411 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

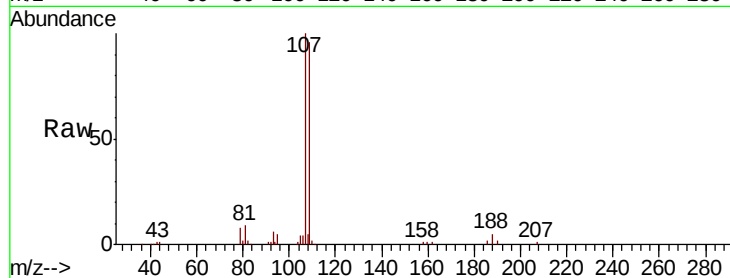
VW1106SBSD02

Tot Ion:107 Resp: 37014

Ion Ratio Lower Upper

107 100

109 95.9 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

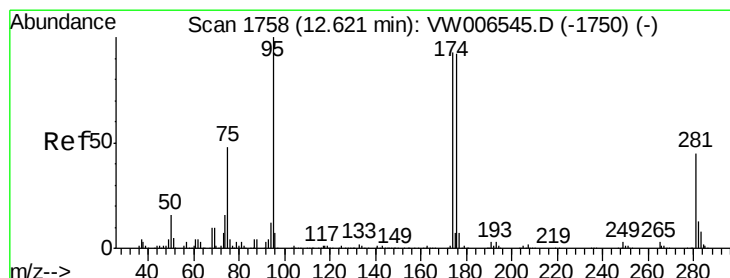
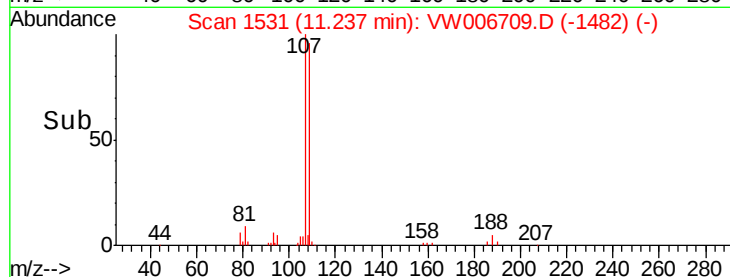
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 52.416 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

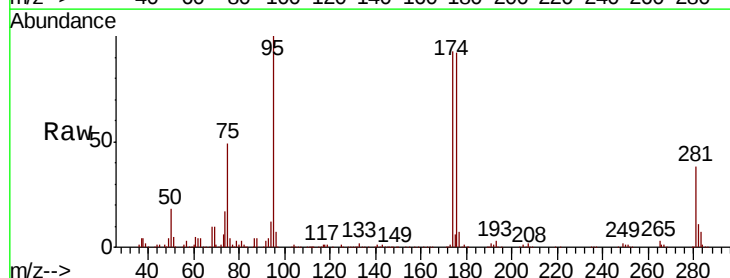
Tgt Ion: 95 Resp: 149086

Ion Ratio Lower Upper

95 100

174 96.3 0.0 192.4

176 94.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

120000

100000

80000

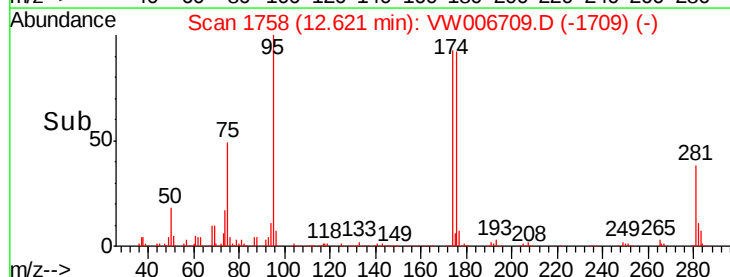
60000

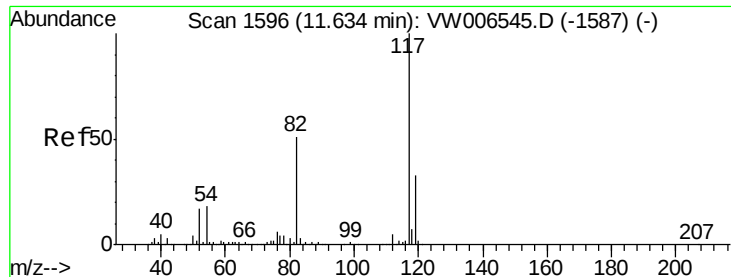
40000

20000

0

Time--> 12.55 12.60 12.65 12.70

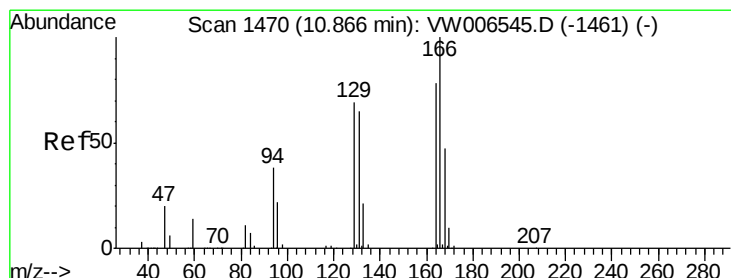
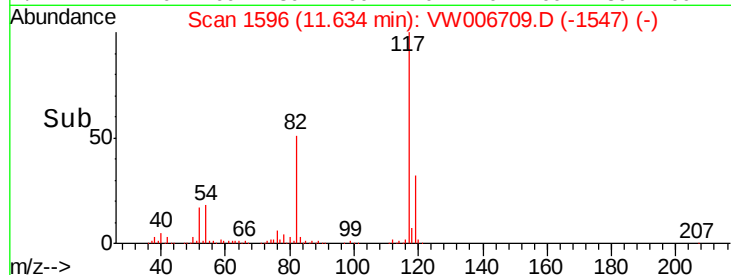
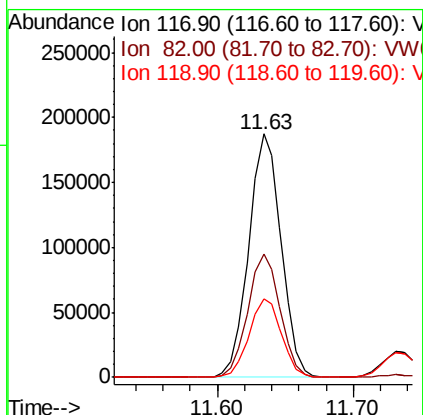
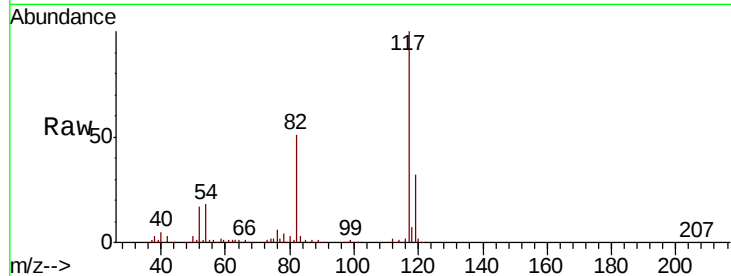




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

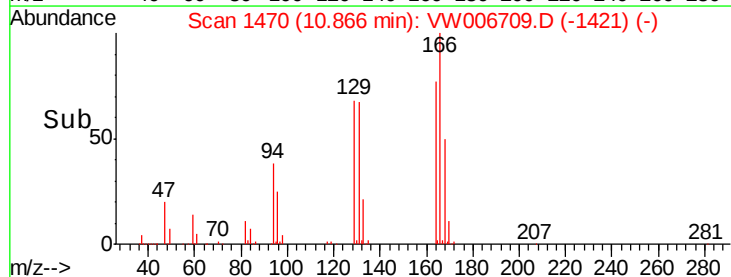
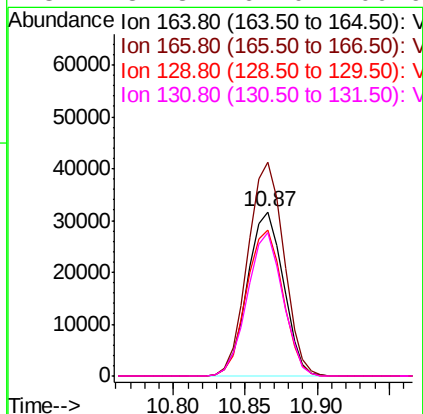
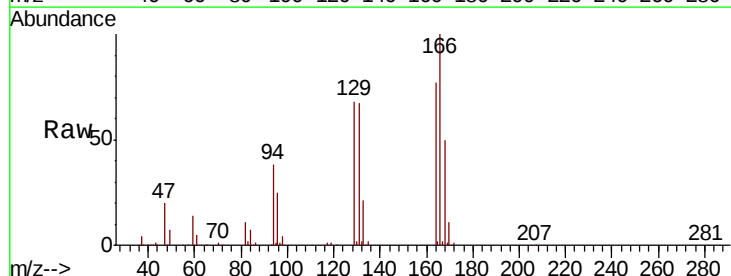
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

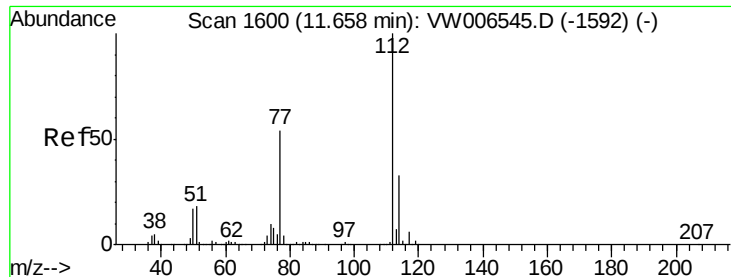
Tot Ion:117 Resp: 312638
Ion Ratio Lower Upper
117 100
82 50.6 40.8 61.2
119 32.1 26.1 39.1



#64
Tetrachloroethene
Concen: 21.878 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion:164 Resp: 54523
Ion Ratio Lower Upper
164 100
166 130.1 102.8 154.2
129 88.8 70.9 106.3
131 87.3 67.0 100.6





#65

Chlorobenzene

Concen: 22.526 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

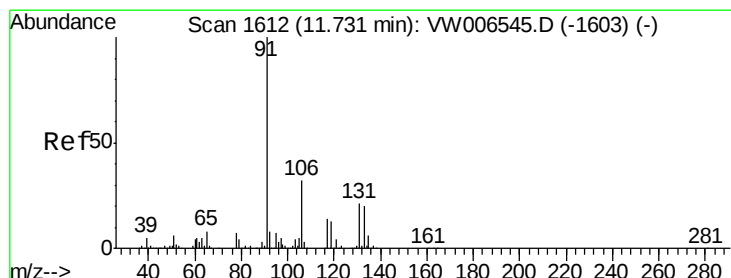
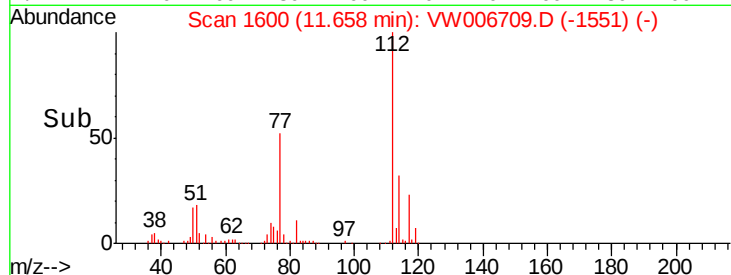
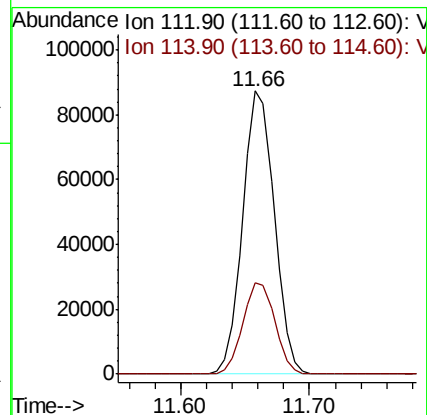
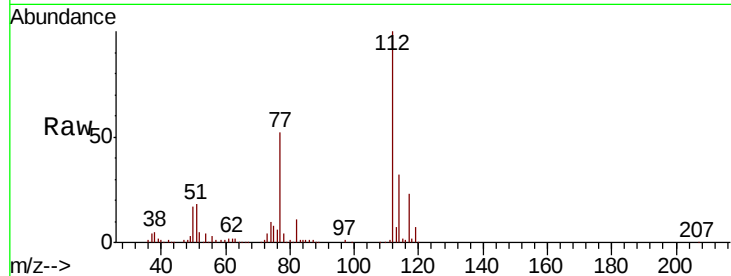
VW1106SBS02

Tot Ion:112 Resp: 148194

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 22.437 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

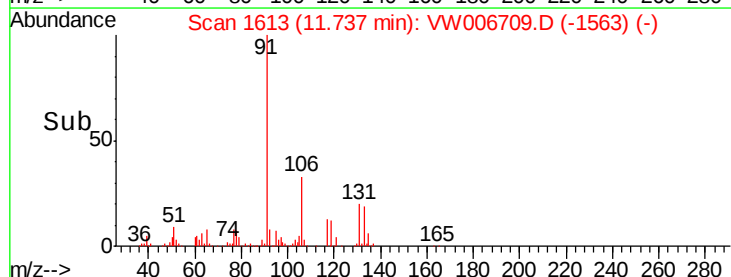
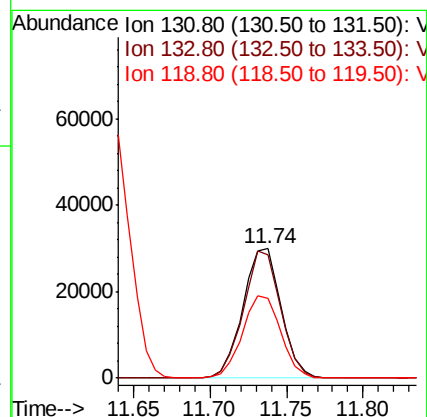
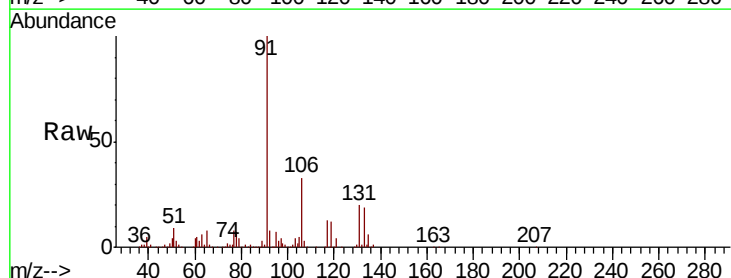
Tgt Ion:131 Resp: 51883

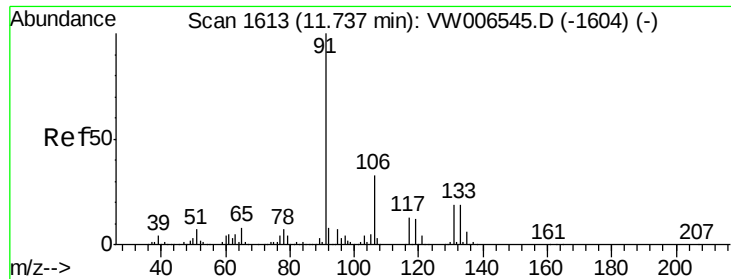
Ion Ratio Lower Upper

131 100

133 95.7 47.5 142.5

119 64.4 31.9 95.5

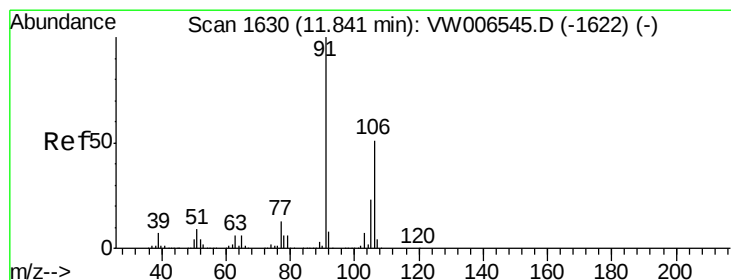
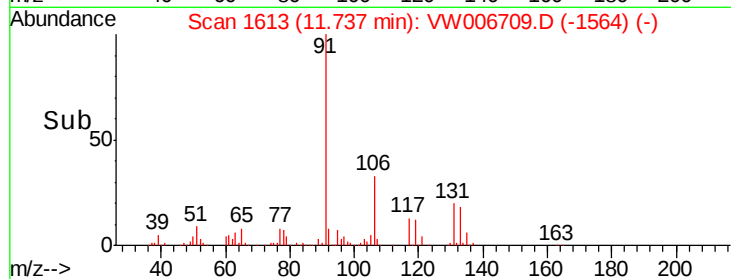
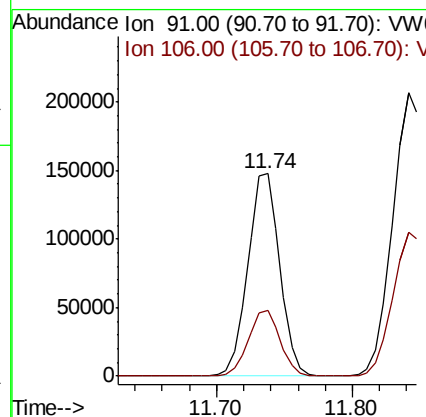
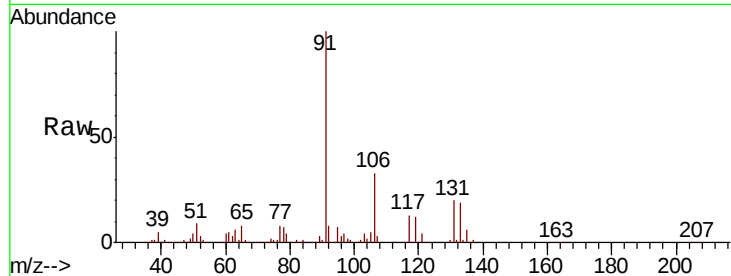




#67
Ethyl Benzene
Concen: 22.024 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

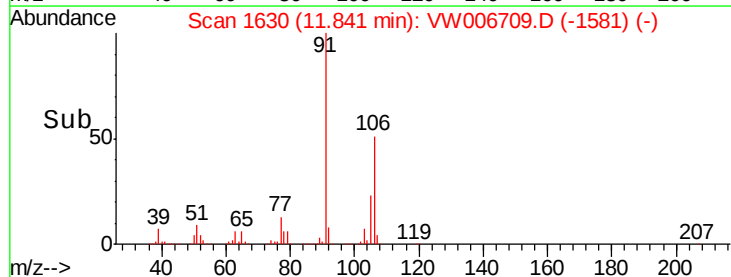
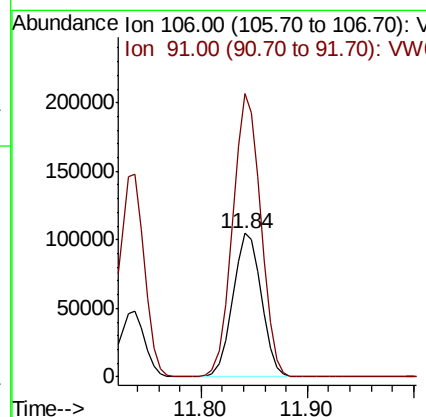
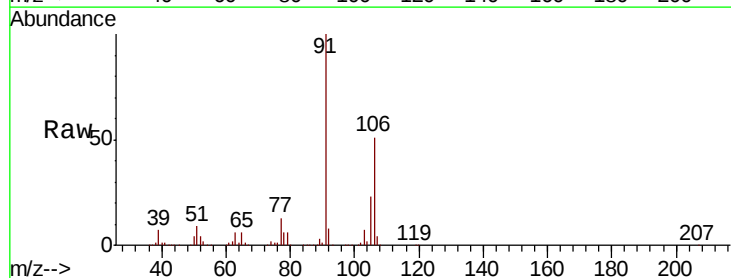
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

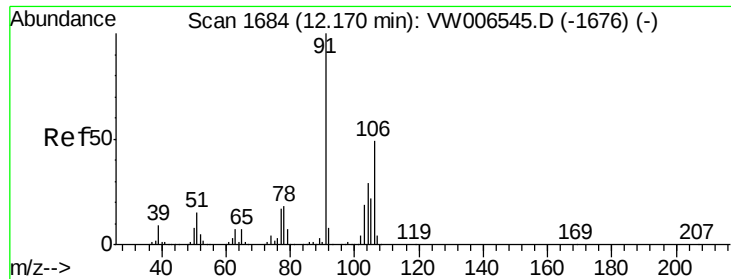
Tot Ion: 91 Resp: 242176
Ion Ratio Lower Upper
91 100
106 32.5 26.3 39.5



#68
m/p-Xylenes
Concen: 44.745 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 106 Resp: 196575
Ion Ratio Lower Upper
106 100
91 194.2 156.7 235.1

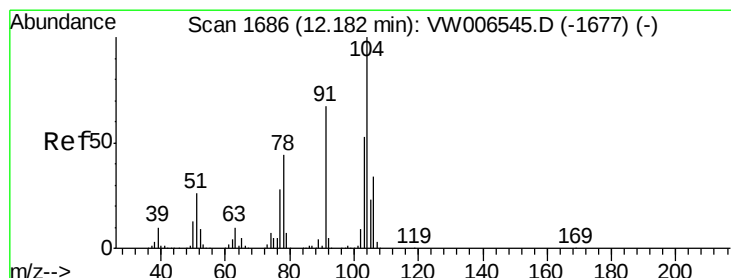
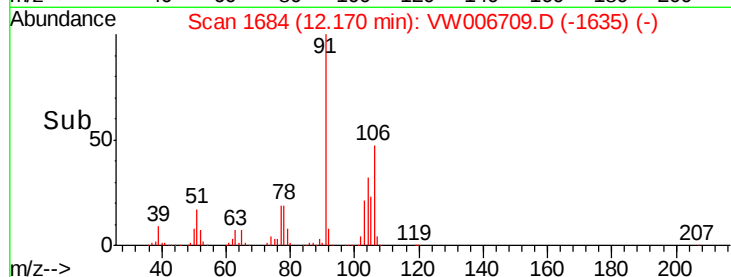
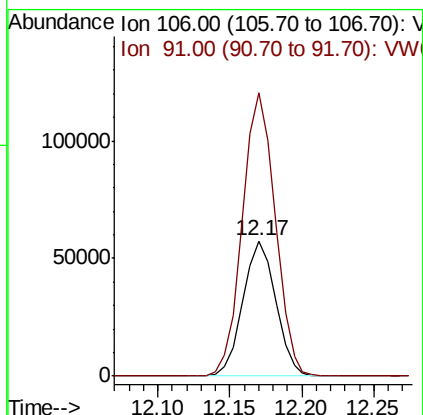
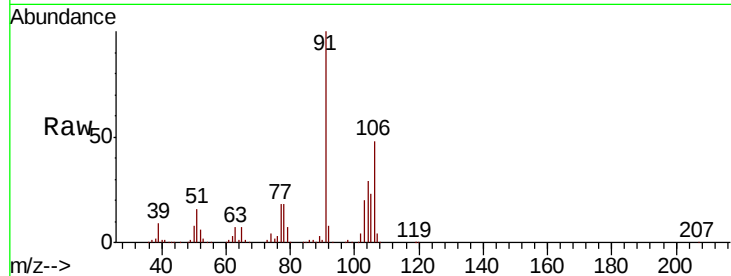




#69
o-Xylene
Concen: 21.672 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

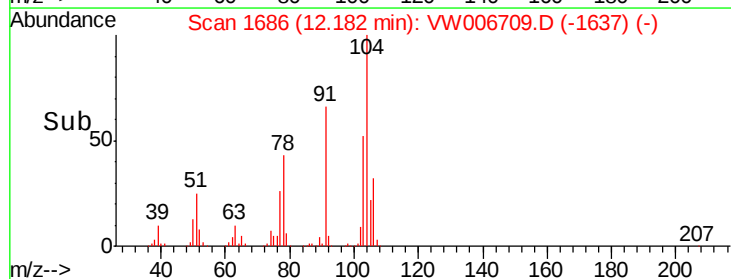
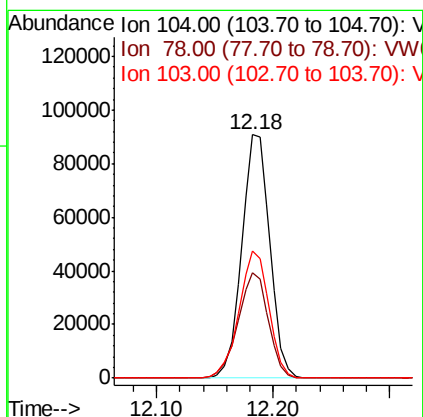
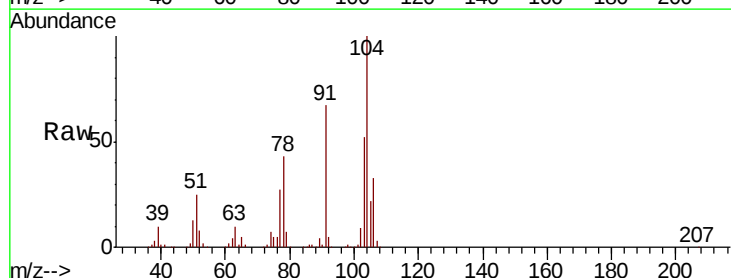
Instrument :
MSVOA_W
ClientSampled :
VW1106SBSD02

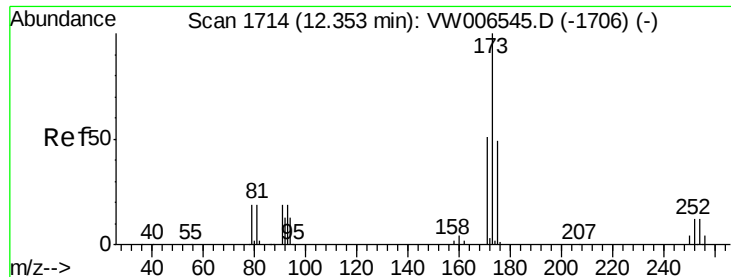
Tot Ion:106 Resp: 90642
Ion Ratio Lower Upper
106 100
91 210.1 102.8 308.4



#70
Styrene
Concen: 22.390 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion:104 Resp: 152675
Ion Ratio Lower Upper
104 100
78 46.5 37.2 55.8
103 55.1 44.2 66.2

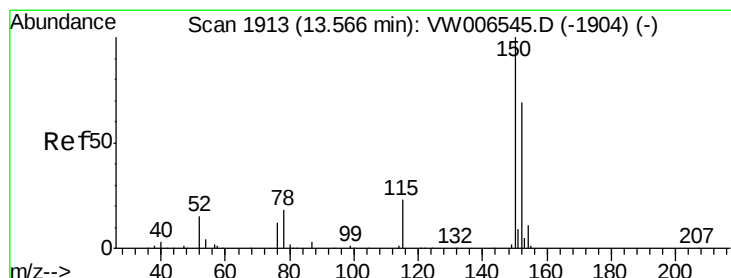
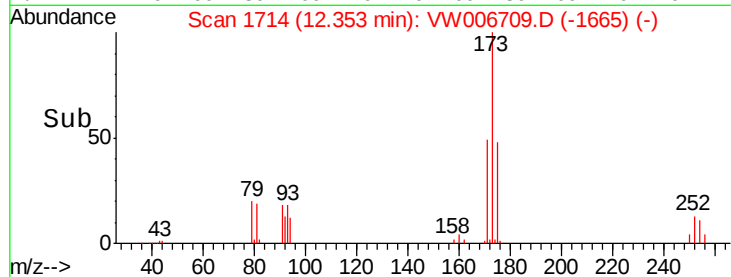
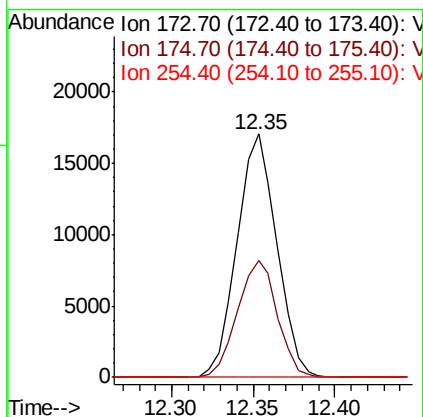
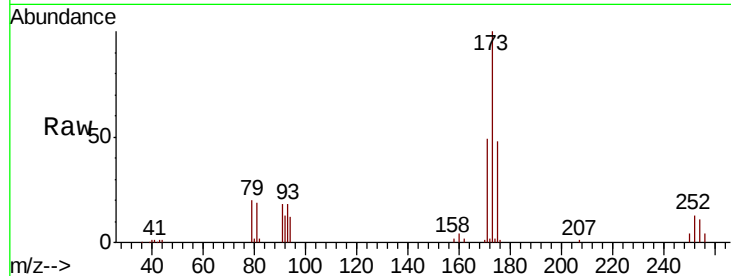




#71
Bromoform
Concen: 23.503 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

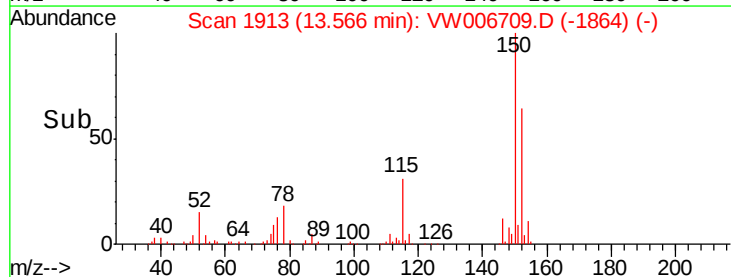
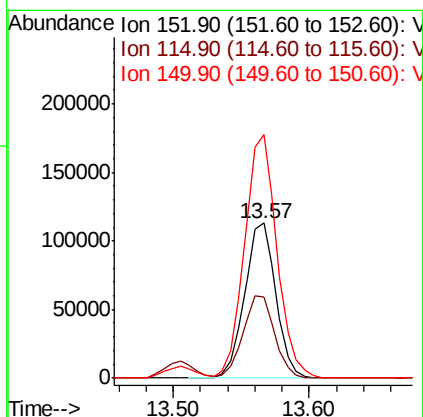
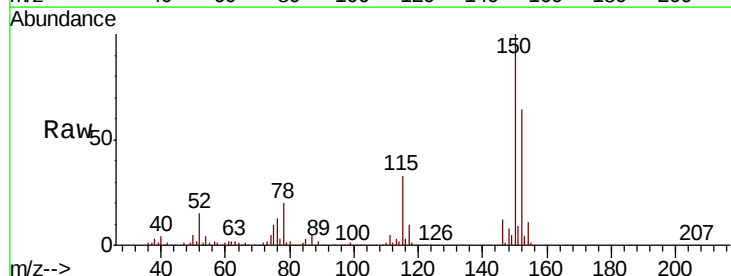
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

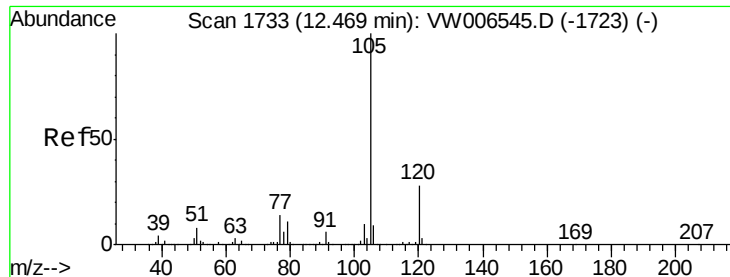
Tot Ion:173 Resp: 28809
Ion Ratio Lower Upper
173 100
175 48.1 24.1 72.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion:152 Resp: 180443
Ion Ratio Lower Upper
152 100
115 53.7 26.6 79.8
150 163.4 0.0 344.6





#73

Isopropylbenzene

Concen: 21.125 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

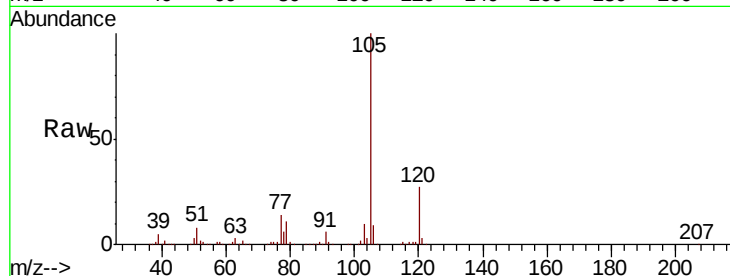
VW1106SBSD02

Tot Ion:105 Resp: 251107

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

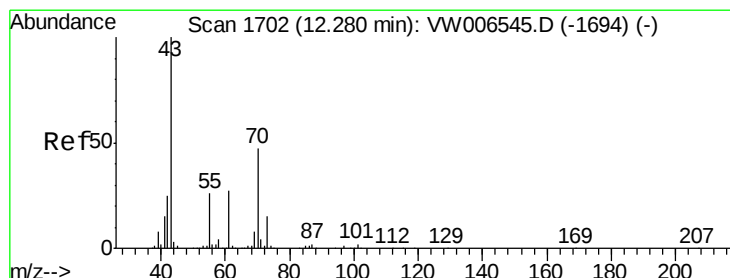
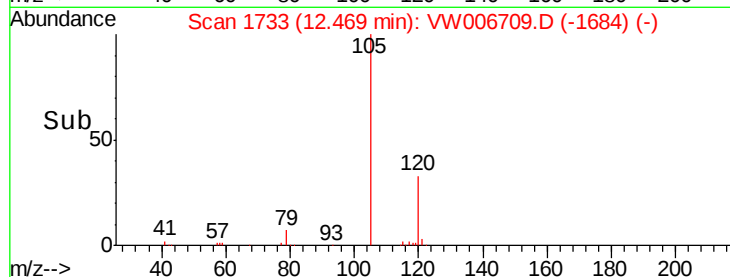
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.794 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Tgt Ion: 43 Resp: 44767

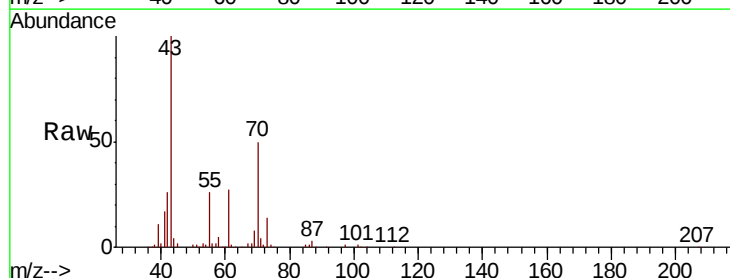
Ion Ratio Lower Upper

43 100

70 49.1 36.9 55.3

55 27.7 20.7 31.1

61 25.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.28

40000

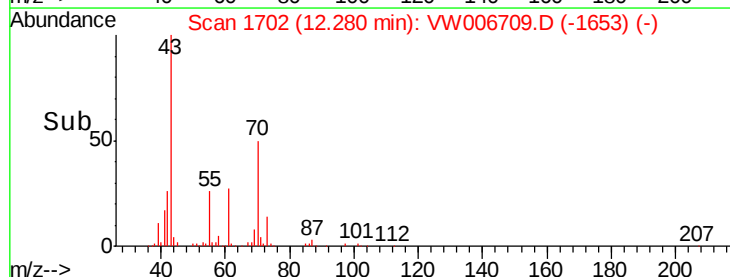
30000

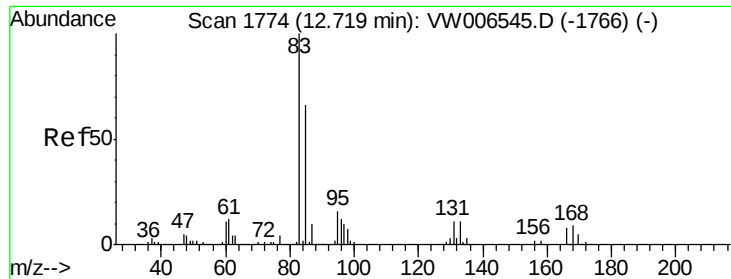
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.391 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBSD02

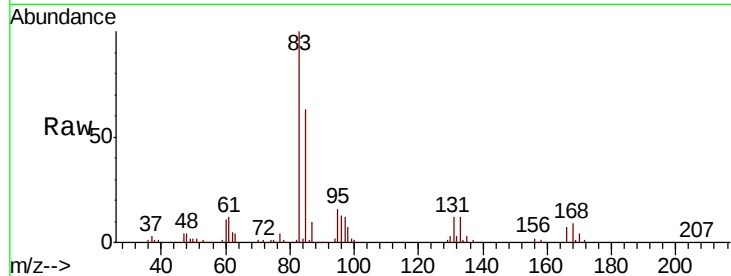
Tot Ion: 83 Resp: 43915

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.7

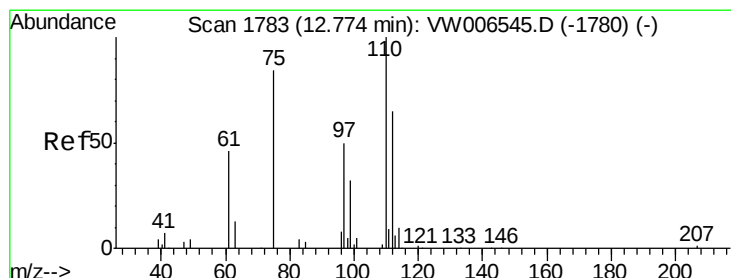
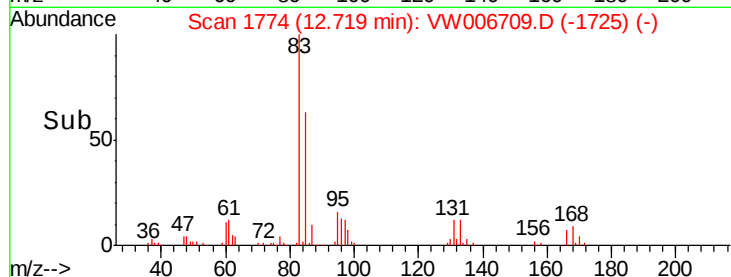
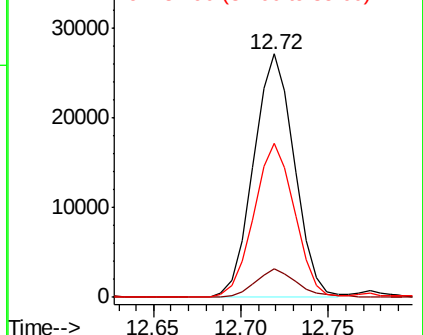
85 63.1 32.3 96.8



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: 37.945 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006709.D

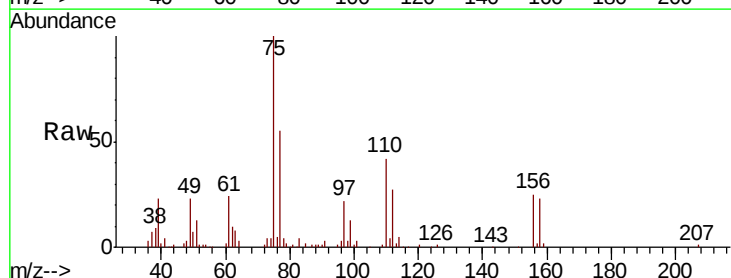
Acq: 07 Nov 2018 02:54

Tgt Ion: 75 Resp: 53421

Ion Ratio Lower Upper

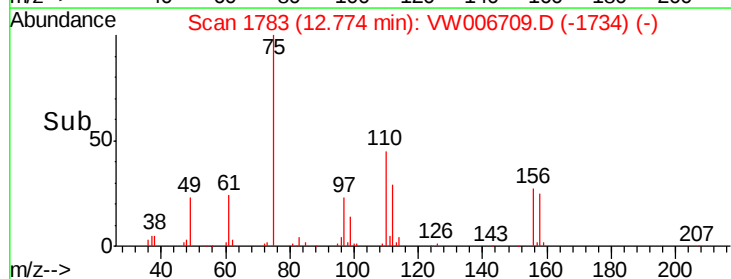
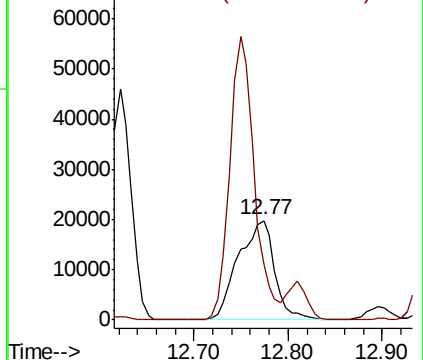
75 100

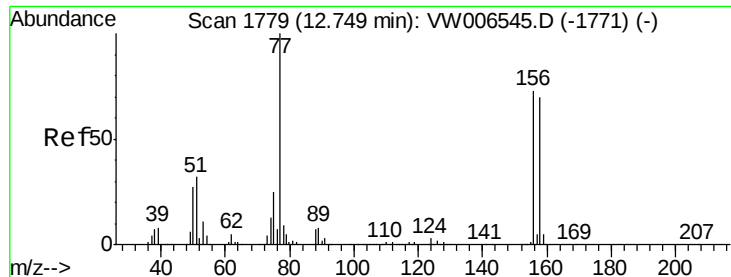
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.707 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBSD02

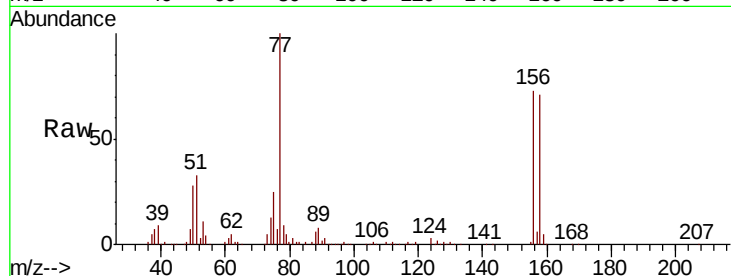
Tot Ion:156 Resp: 66805

Ion Ratio Lower Upper

156 100

77 153.9 75.9 227.8

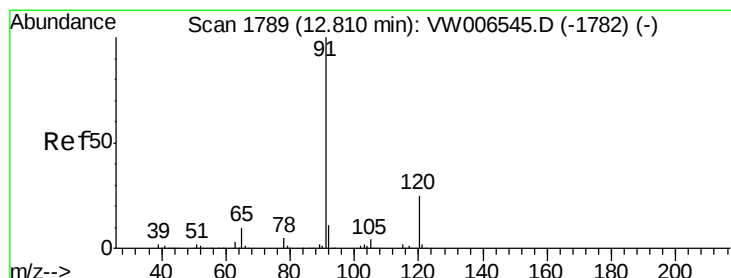
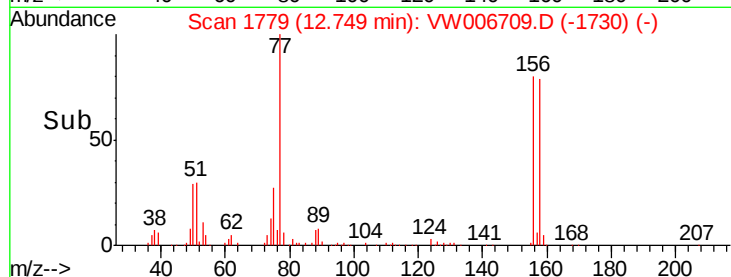
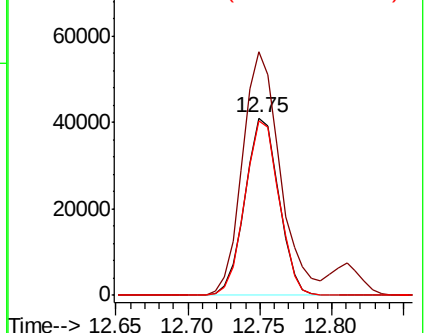
158 98.9 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.803 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006709.D

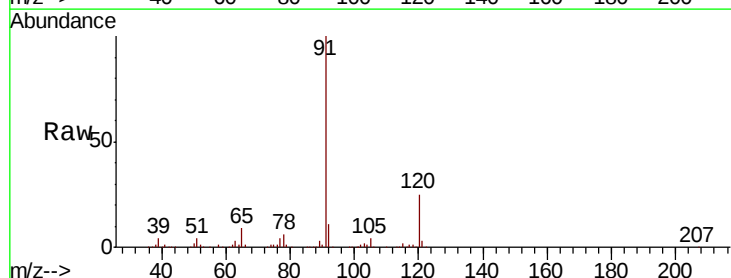
Acq: 07 Nov 2018 02:54

Tgt Ion: 91 Resp: 298104

Ion Ratio Lower Upper

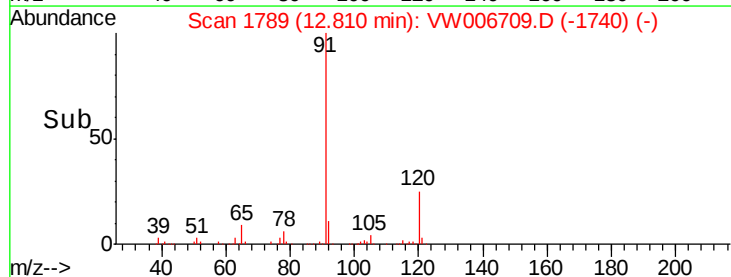
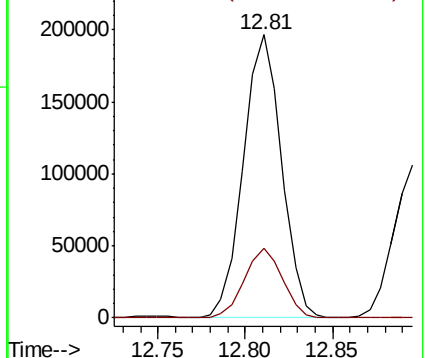
91 100

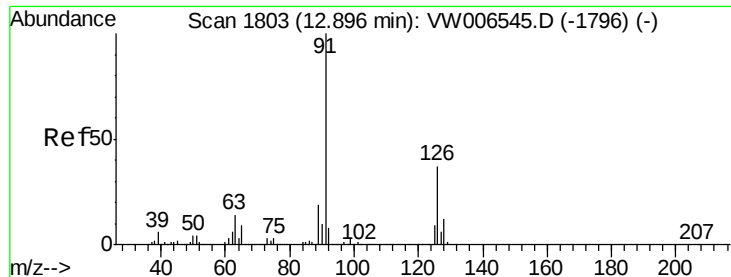
120 24.7 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

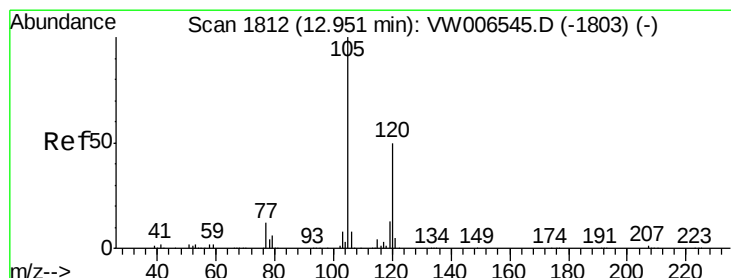
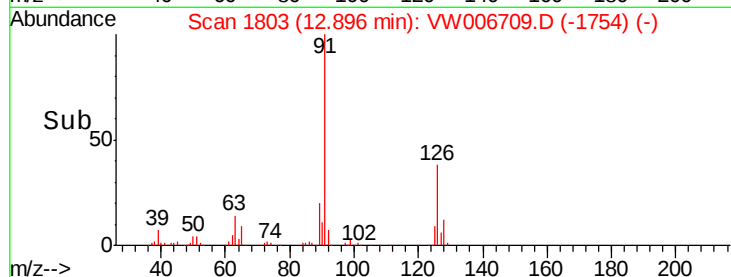
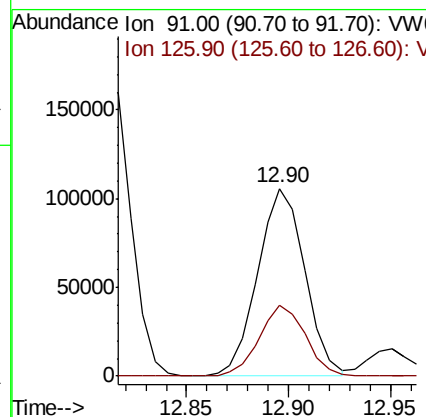
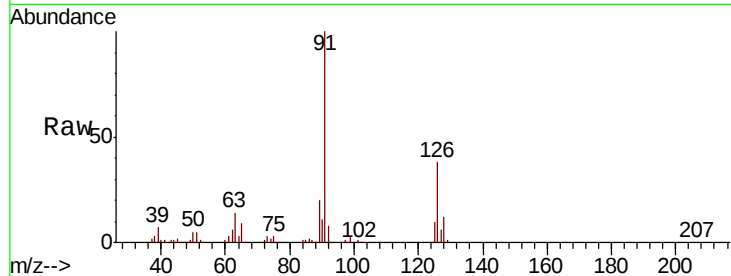




#79
 2-Chlorotoluene
 Concen: 21.623 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

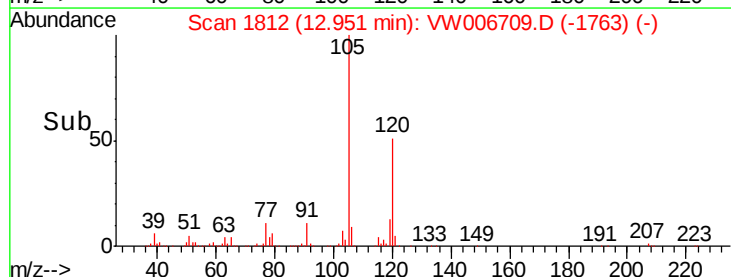
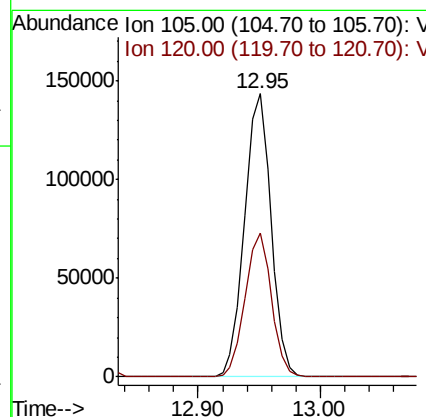
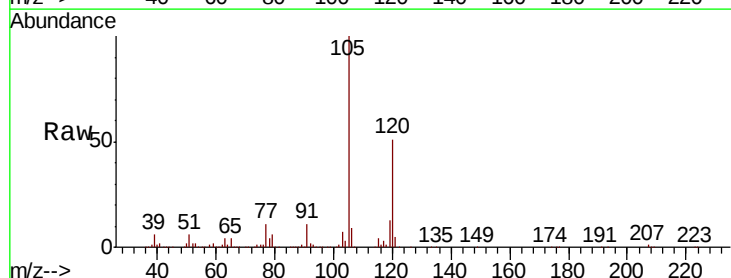
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

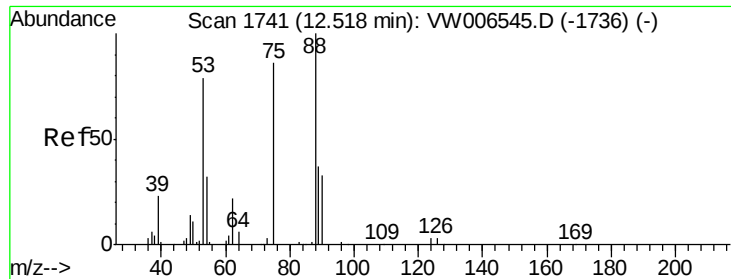
Tot Ion: 91 Resp: 169663
 Ion Ratio Lower Upper
 91 100
 126 37.2 18.5 55.5



#80
 1,3,5-Trimethylbenzene
 Concen: 21.624 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion: 105 Resp: 215942
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.3

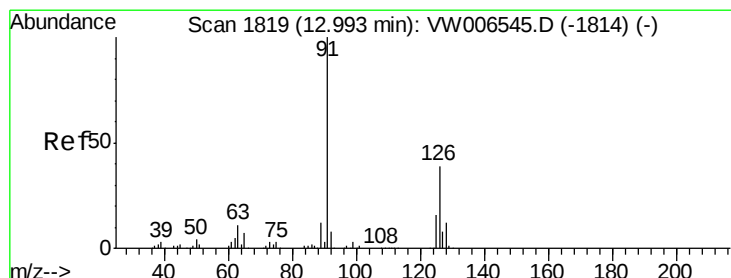
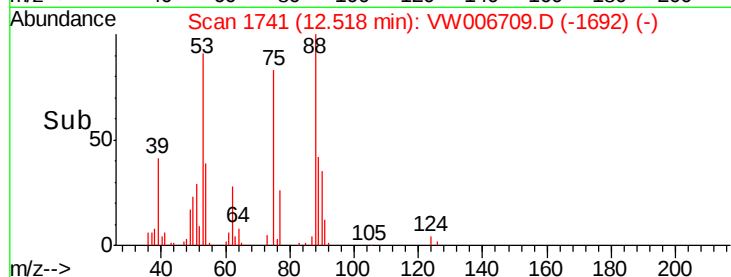
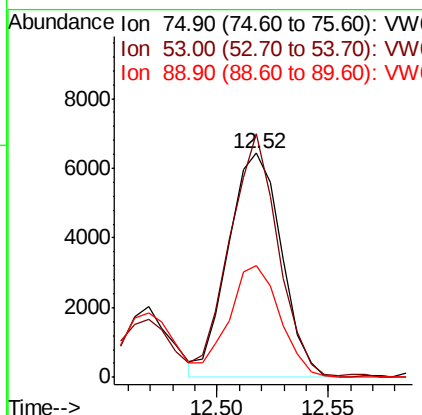
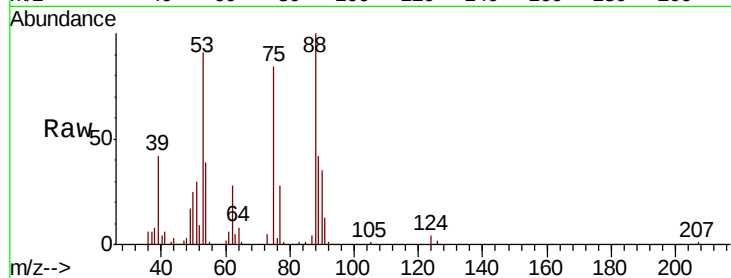




#81
trans-1,4-Dichloro-2-butene
Concen: 21.348 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

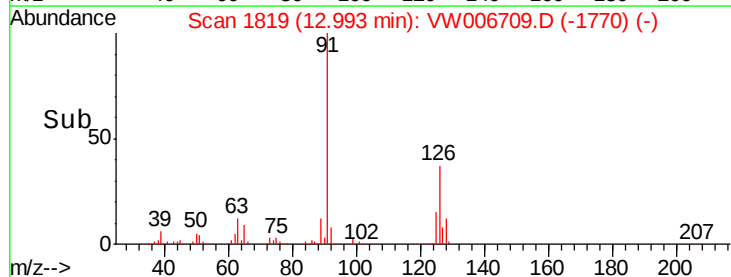
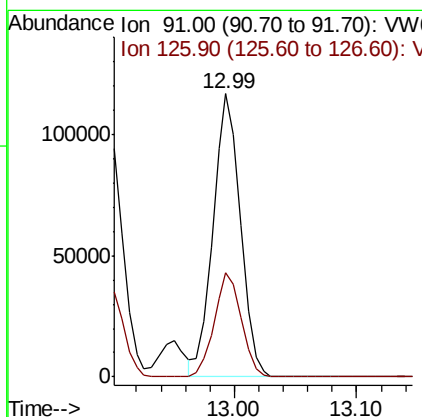
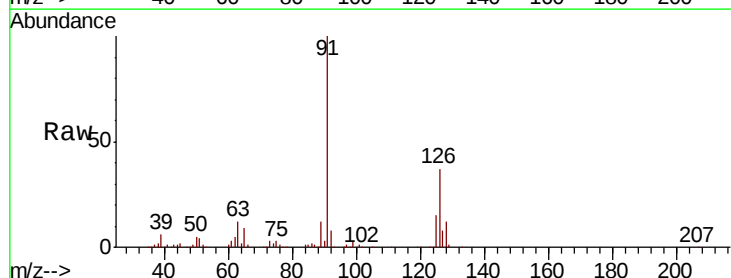
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

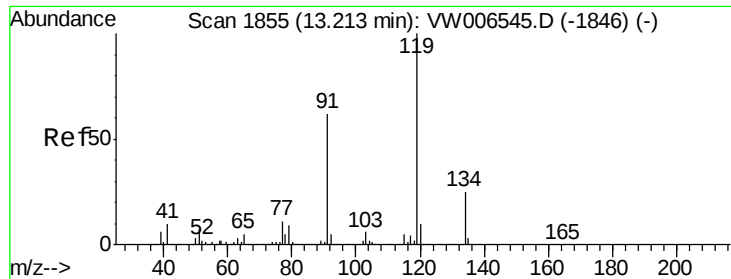
Tot Ion: 75 Resp: 10730
Ion Ratio Lower Upper
75 100
53 99.9 77.2 115.8
89 48.5 38.6 58.0



#82
4-Chlorotoluene
Concen: 21.857 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion: 91 Resp: 181441
Ion Ratio Lower Upper
91 100
126 36.5 18.5 55.5

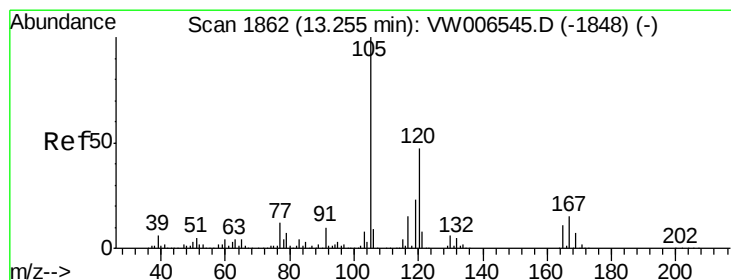
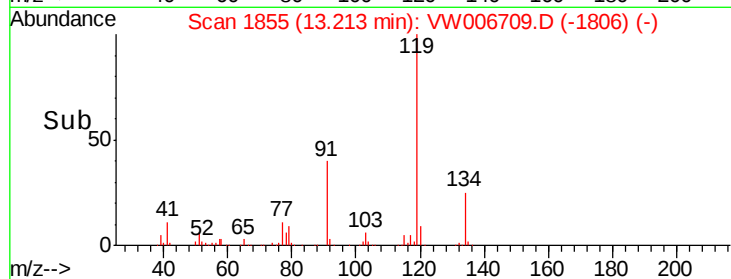
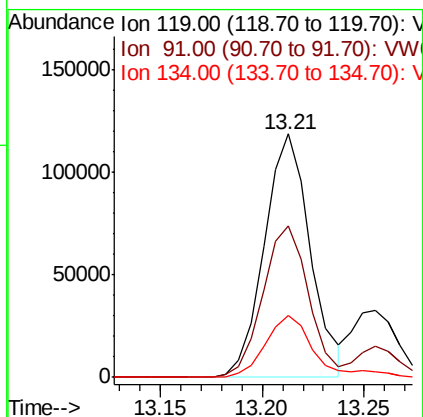
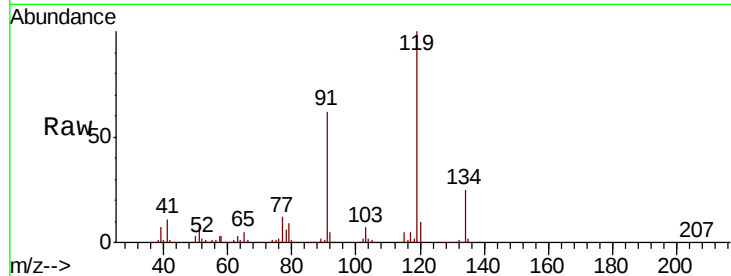




#83
tert-Butylbenzene
Concen: 20.915 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

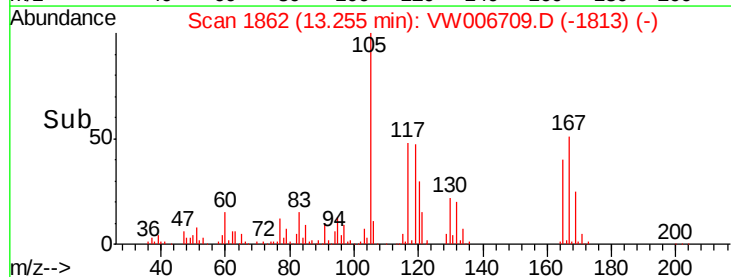
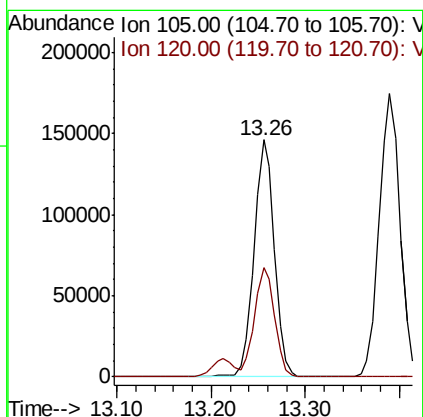
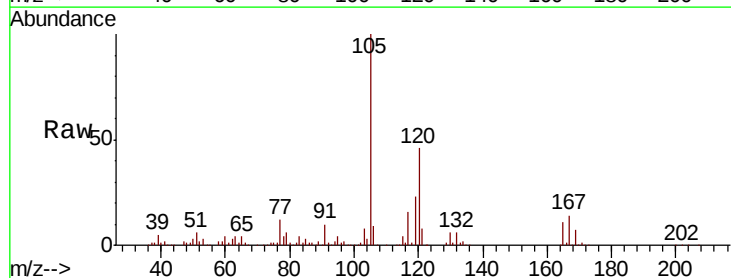
Instrument :
MSVOA_W
ClientSampleId :
VW1106SBS02

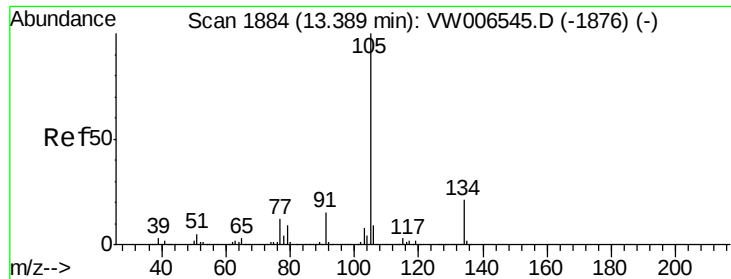
Tot Ion:119 Resp: 186257
Ion Ratio Lower Upper
119 100
91 61.9 30.4 91.3
134 25.4 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.733 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion:105 Resp: 222614
Ion Ratio Lower Upper
105 100
120 45.8 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.411 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

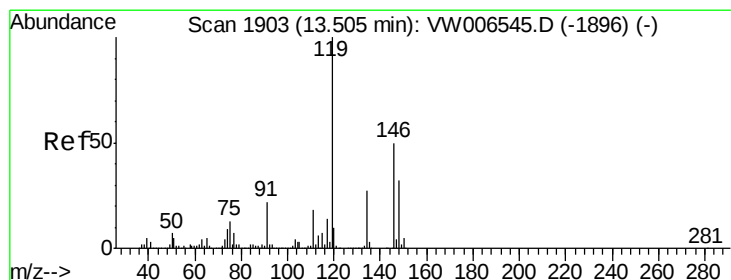
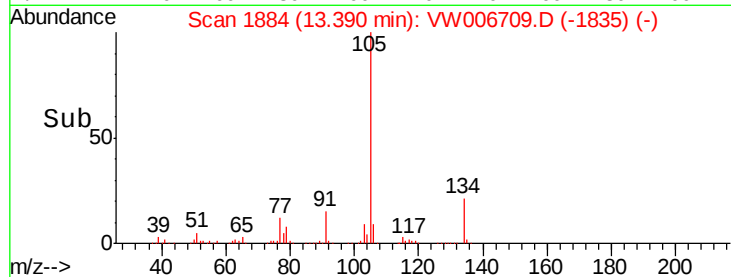
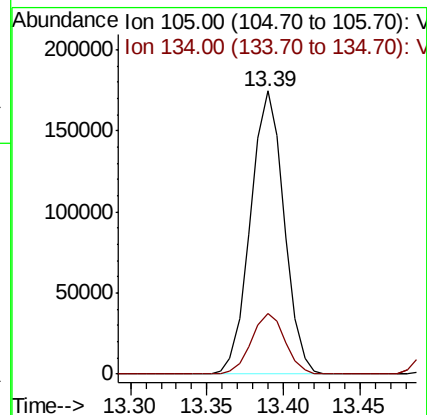
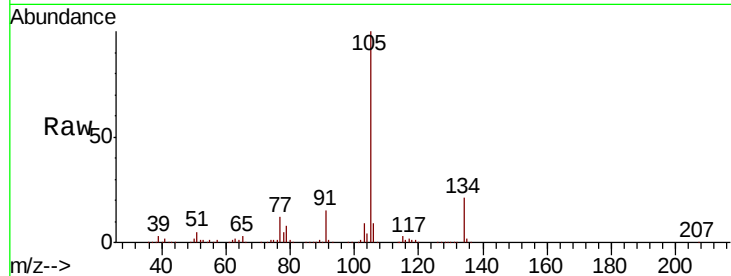
VW1106SBS02

Tot Ion:105 Resp: 267055

Ion Ratio Lower Upper

105 100

134 21.4 10.6 31.8



#86

p-Isopropyltoluene

Concen: 21.255 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

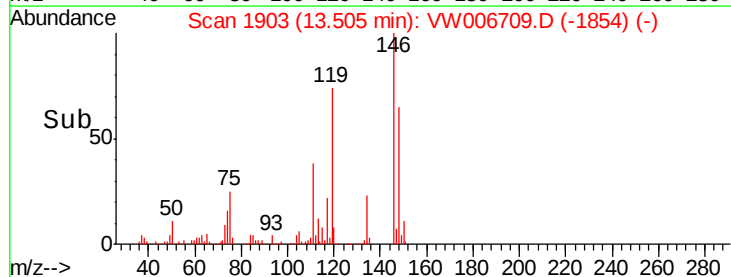
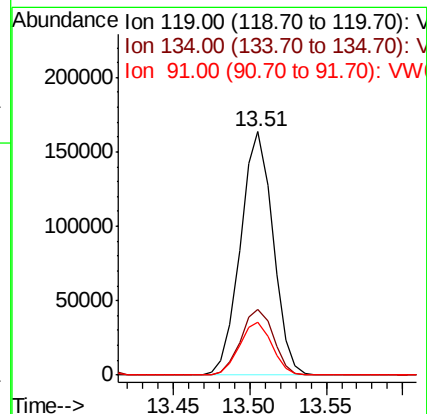
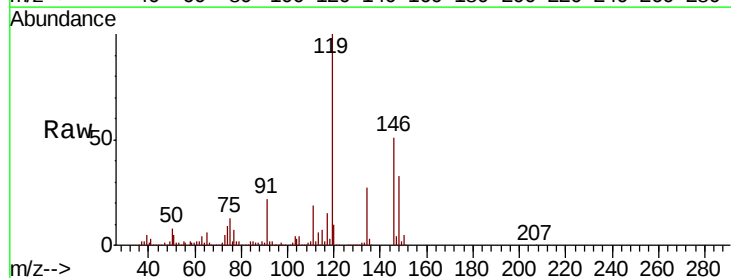
Tgt Ion:119 Resp: 241231

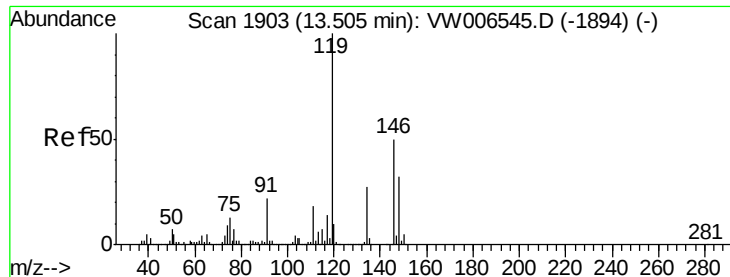
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 21.9 10.9 32.6

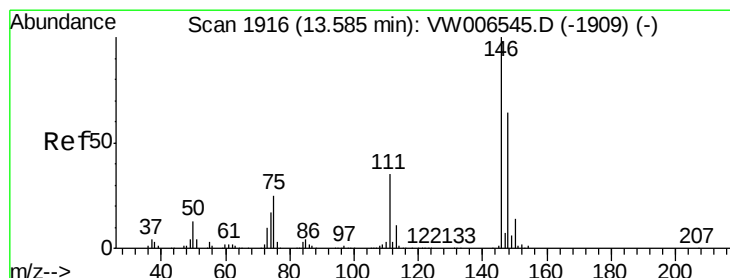
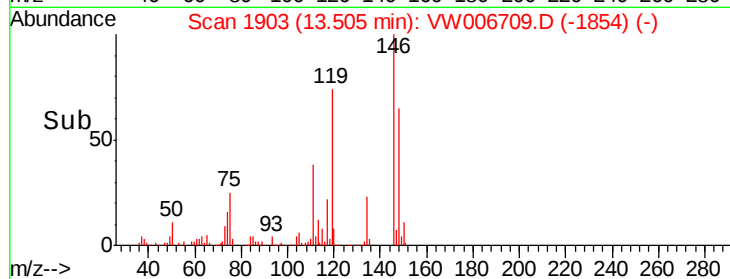
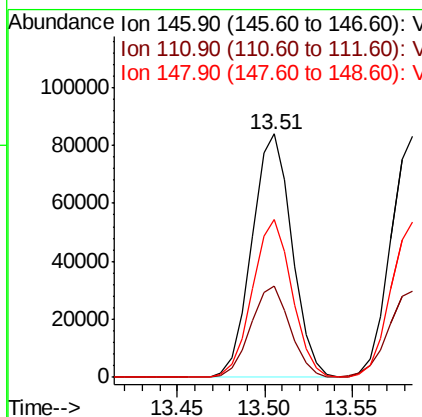
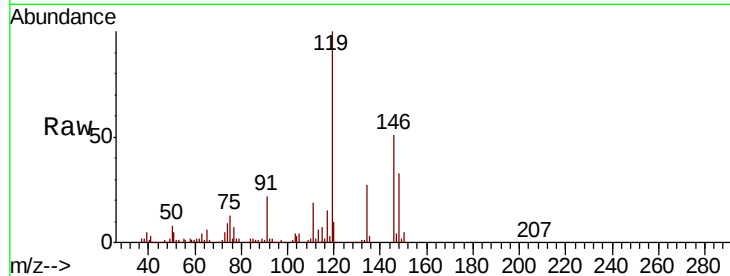




#87
 1,3-Dichlorobenzene
 Concen: 22.206 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

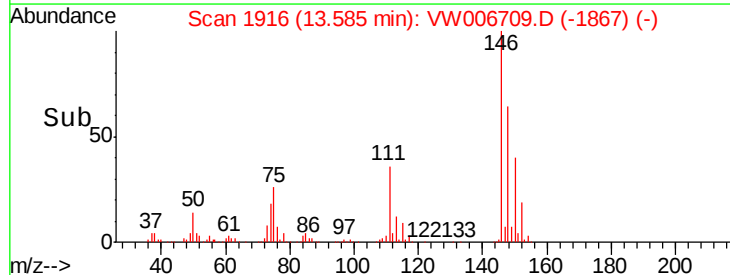
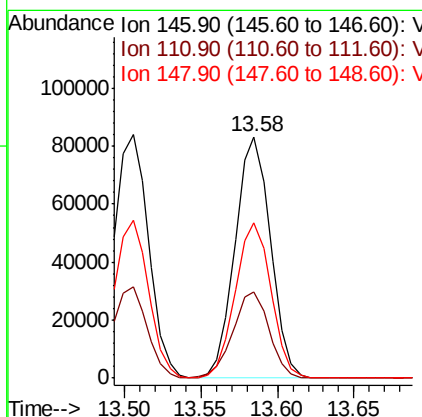
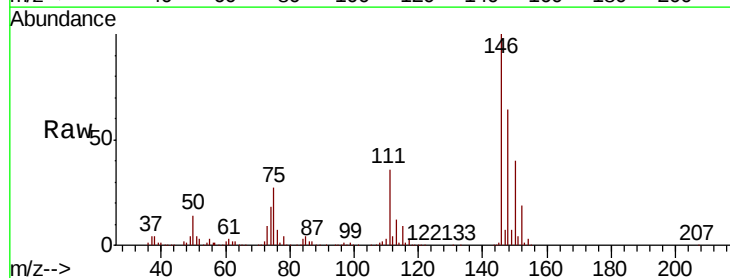
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBS02

Tot Ion:146 Resp: 134588
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 64.0 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 22.272 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion:146 Resp: 133810
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.9 53.7
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 21.733 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBS02

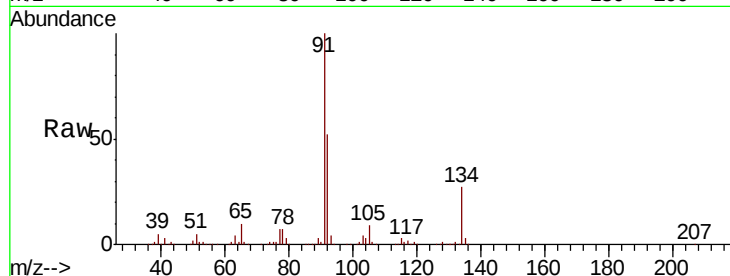
Tot Ion: 91 Resp: 218948

Ion Ratio Lower Upper

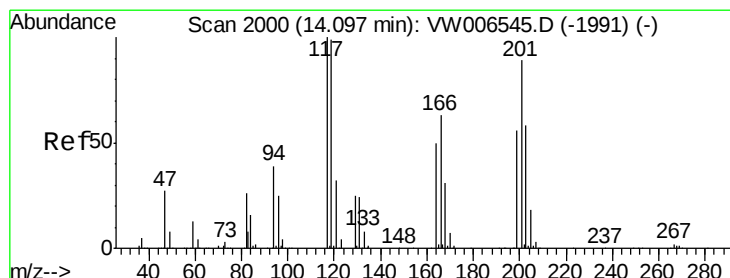
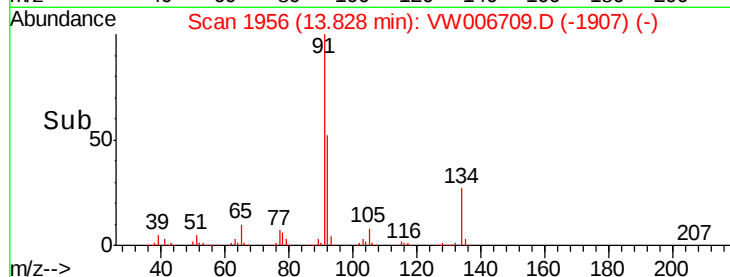
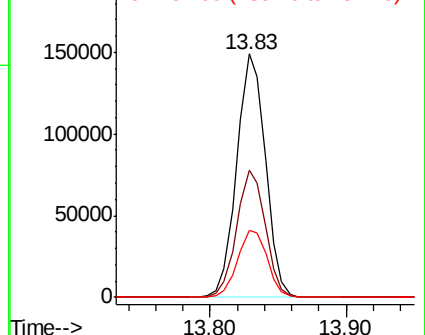
91 100

92 51.9 26.4 79.0

134 28.4 14.3 42.9



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: 21.509 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006709.D

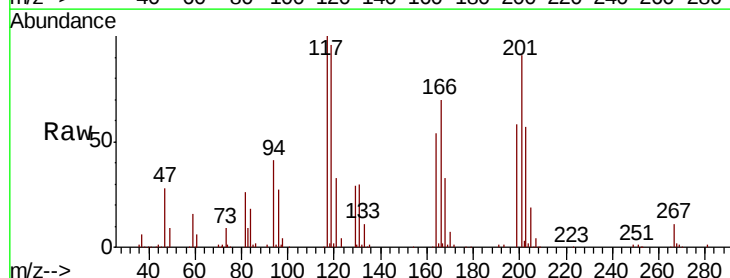
Acq: 07 Nov 2018 02:54

Tgt Ion: 117 Resp: 40121

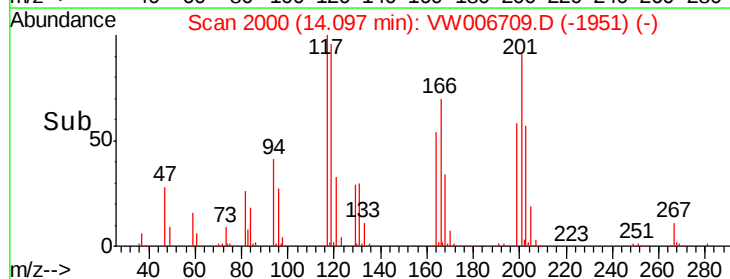
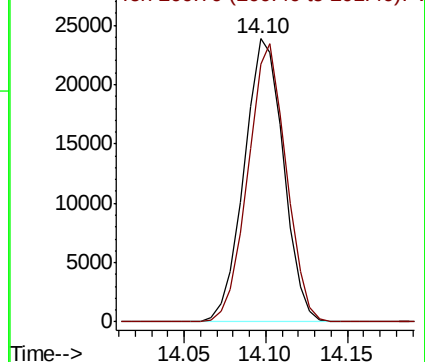
Ion Ratio Lower Upper

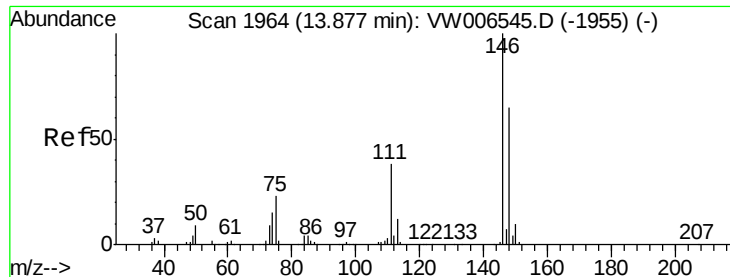
117 100

201 95.3 46.8 140.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 22.209 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

Instrument :

MSVOA_W

ClientSampleId :

VW1106SBSD02

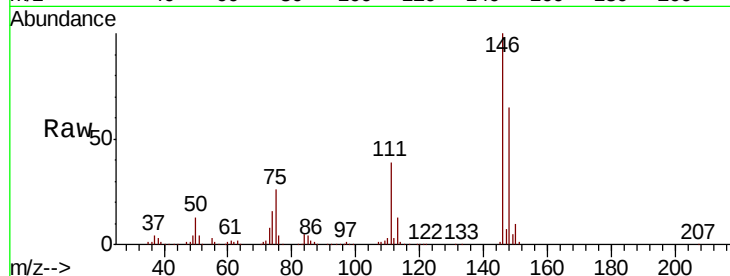
Tot Ion:146 Resp: 121084

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.5

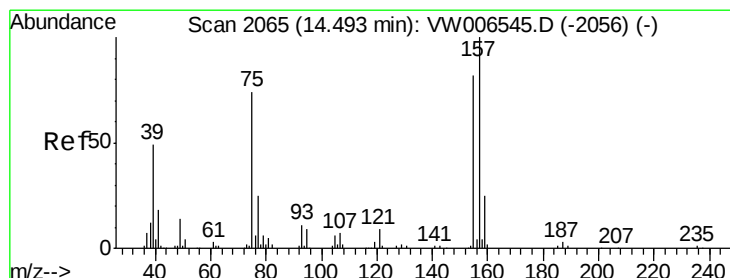
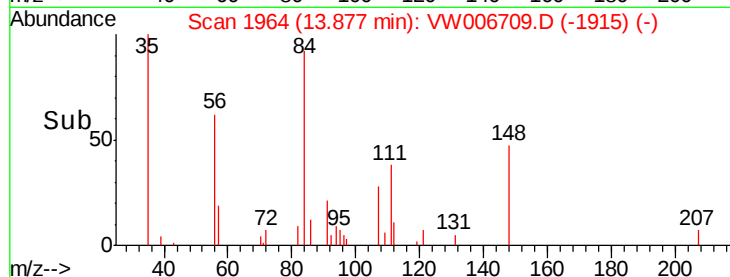
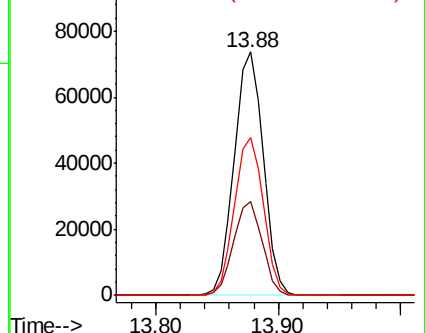
148 64.7 32.0 96.0



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: 22.220 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006709.D

Acq: 07 Nov 2018 02:54

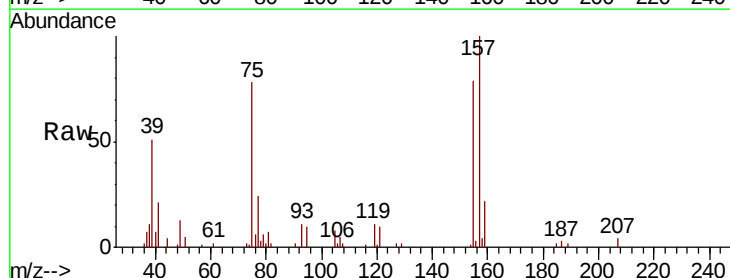
Tgt Ion: 75 Resp: 6769

Ion Ratio Lower Upper

75 100

155 100.7 50.6 151.8

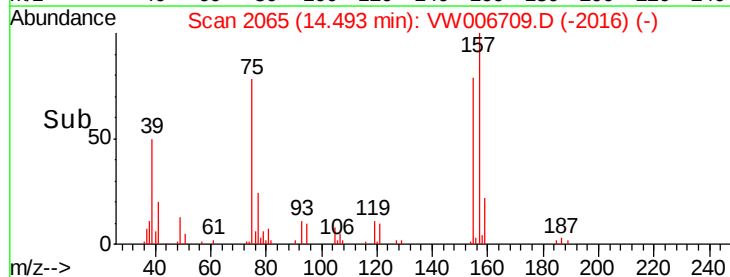
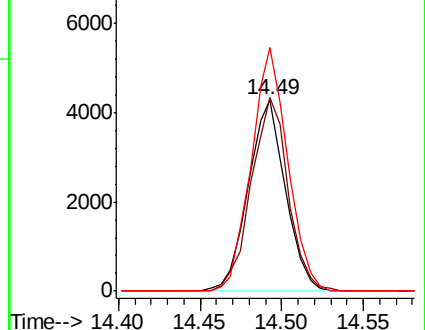
157 124.7 65.0 195.0

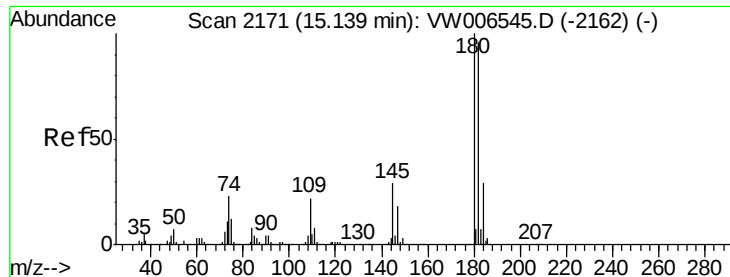


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

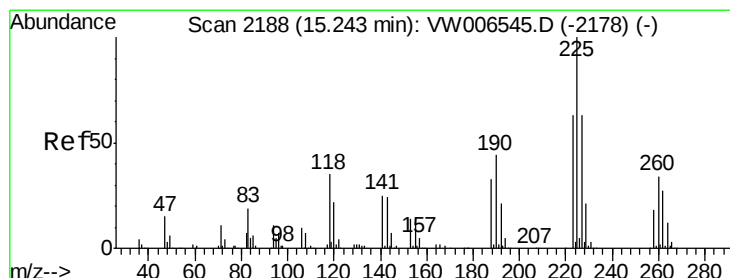
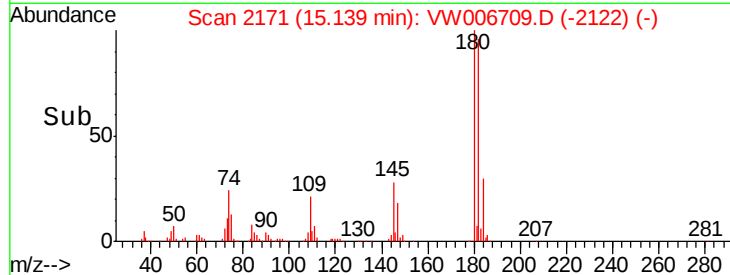
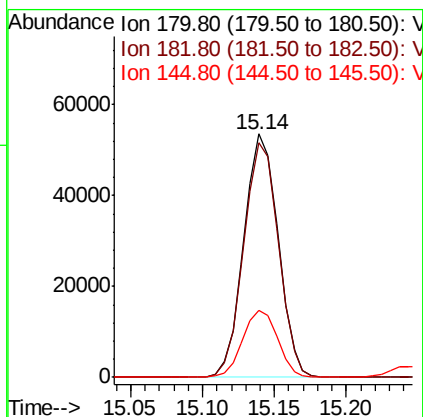
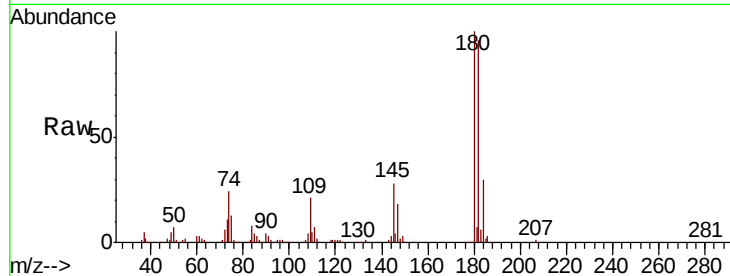




#93
 1,2,4-Trichlorobenzene
 Concen: 21.878 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

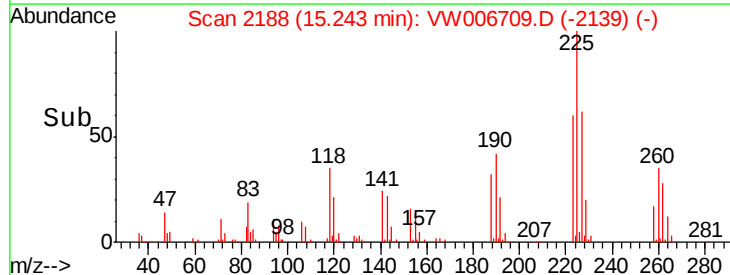
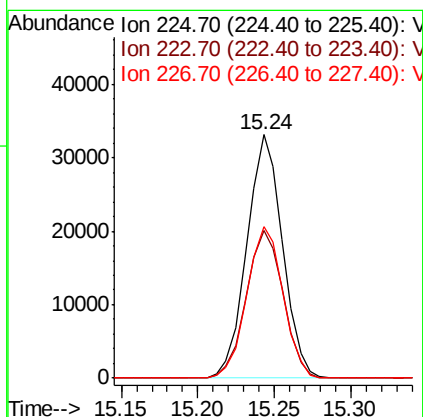
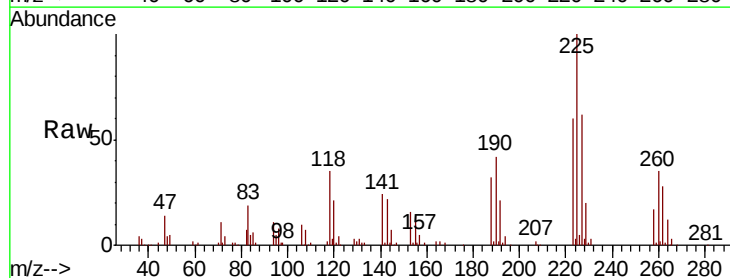
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1106SBSD02

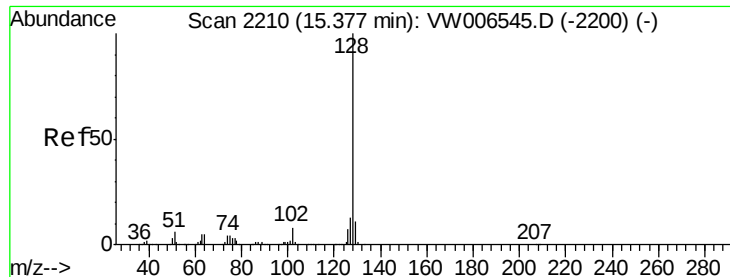
Tot Ion:180 Resp: 88693
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.5 142.6
 145 28.0 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 21.204 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006709.D
 Acq: 07 Nov 2018 02:54

Tgt Ion:225 Resp: 53575
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.2
 227 63.2 32.2 96.6

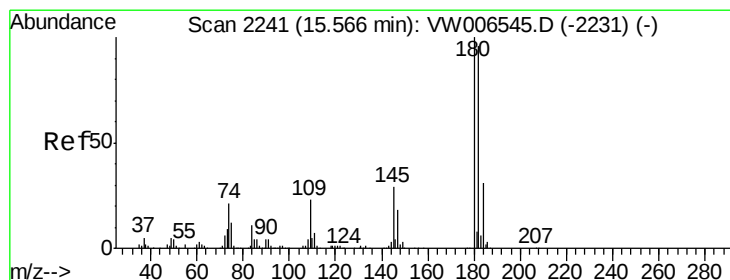
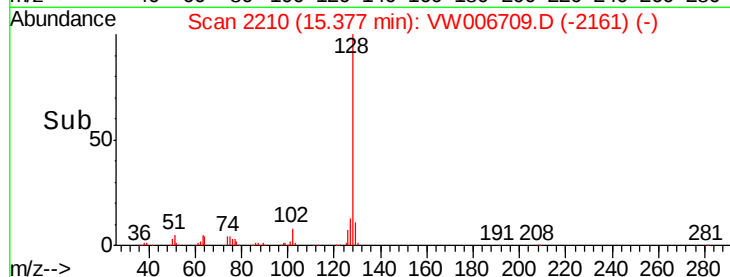
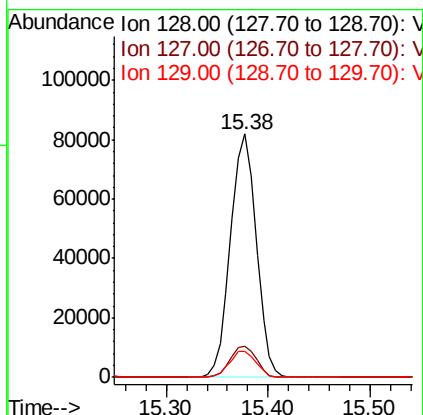
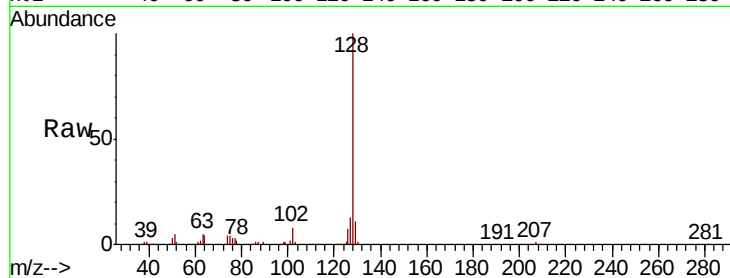




#95
Naphthalene
Concen: 22.039 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Instrument :
MSVOA_W
ClientSampleId :
VW1106SBSD02

Tot Ion:128 Resp: 143596
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.053 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006709.D
Acq: 07 Nov 2018 02:54

Tgt Ion:180 Resp: 78573
Ion Ratio Lower Upper
180 100
182 95.9 48.2 144.6
145 29.1 14.9 44.5

