

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112718\
 Data File : VW007084.D
 Acq On : 27 Nov 2018 13:48
 Operator : VAY/AP
 Sample : VW1127SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Quant Time: Nov 28 00:23:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	156204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	76773	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	57027	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.88	113	51190	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	219414	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.62	95	83990	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	26199	23.982	ug/l	98
3) Chloromethane	2.21	50	20273	22.268	ug/l	95
4) Vinyl Chloride	2.36	62	19917	22.235	ug/l	96
5) Bromomethane	2.78	94	11394	23.832	ug/l	87
6) Chloroethane	2.92	64	10347	20.955	ug/l	98
7) Trichlorofluoromethane	3.26	101	40353	22.910	ug/l	98
8) Diethyl Ether	3.69	74	11959	21.071	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26480	23.190	ug/l	99
10) Methyl Iodide	4.28	142	22795	17.438	ug/l	99
11) Tert butyl alcohol	5.20	59	7073	100.300	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	22663	22.629	ug/l	97
13) Acrolein	3.90	56	6845	94.519	ug/l	98
14) Allyl chloride	4.67	41	35610	21.437	ug/l	98
15) Acrylonitrile	5.38	53	21205	99.408	ug/l	97
16) Acetone	4.15	43	16030	101.923	ug/l	92
17) Carbon Disulfide	4.38	76	69015	21.315	ug/l	96
18) Methyl Acetate	4.68	43	10660	19.033	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	57296	21.910	ug/l	97
20) Methylene Chloride	4.92	84	26678	17.808	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	25894	22.195	ug/l	96
22) Diisopropyl ether	6.31	45	70853	21.914	ug/l	97
23) Vinyl Acetate	6.26	43	193158	112.501	ug/l	99
24) 1,1-Dichloroethane	6.22	63	42038	21.373	ug/l	98
25) 2-Butanone	7.18	43	27093	100.579	ug/l	99
26) 2,2-Dichloropropane	7.17	77	42714	24.149	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	26840	21.604	ug/l	98
28) Bromochloromethane	7.51	49	14092	19.170	ug/l	99
29) Tetrahydrofuran	7.54	42	17692	101.412	ug/l	98
30) Chloroform	7.68	83	44683	21.384	ug/l	99
31) Cyclohexane	7.96	56	48322	23.162	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	44246	23.508	ug/l	99
36) 1,1-Dichloropropene	8.09	75	39266	23.495	ug/l	99
37) Ethyl Acetate	7.25	43	13448	22.206	ug/l	99
38) Carbon Tetrachloride	8.07	117	39094	24.428	ug/l	92

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46409	22.190	ug/l	95
40) Benzene	8.32	78	101110	22.413	ug/l	97
41) Methacrylonitrile	7.49	41	8927	23.736	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	28694	21.908	ug/l	99
43) Isopropyl Acetate	8.43	43	24832	21.517	ug/l	98
44) Trichloroethene	9.09	130	29873	23.622	ug/l	91
45) 1,2-Dichloropropane	9.37	63	24188	21.751	ug/l	100
46) Dibromomethane	9.46	93	11811	21.209	ug/l	98
47) Bromodichloromethane	9.65	83	32865	22.399	ug/l	98
48) Methyl methacrylate	9.44	41	12358	22.208	ug/l	93
49) 1,4-Dioxane	9.48	88	3409	411.854	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	55591	95.317	ug/l	97
52) Toluene	10.39	92	65649	21.383	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	32125	22.602	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	37775	21.998	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	18466	22.538	ug/l	97
56) Ethyl methacrylate	10.65	69	19894	20.917	ug/l	100
57) 1,3-Dichloropropane	10.93	76	29669	21.608	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	49813	100.230	ug/l	97
59) 2-Hexanone	10.97	43	38849	97.271	ug/l	96
60) Dibromochloromethane	11.13	129	21523	23.053	ug/l	97
61) 1,2-Dibromoethane	11.24	107	16303	21.751	ug/l	96
64) Tetrachloroethene	10.86	164	22248	22.140	ug/l	95
65) Chlorobenzene	11.66	112	71236	21.850	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	22236	22.546	ug/l	97
67) Ethyl Benzene	11.73	91	130503	21.790	ug/l	99
68) m/p-Xylenes	11.84	106	103183	43.912	ug/l	95
69) o-Xylene	12.17	106	49882	22.514	ug/l	95
70) Styrene	12.18	104	78736	22.328	ug/l	99
71) Bromoform	12.35	173	10674	22.975	ug/l #	100
73) Isopropylbenzene	12.47	105	132335	22.179	ug/l	99
74) N-amyl acetate	12.27	43	21938	21.938	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	17420	21.938	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	23242	38.526	ug/l #	100
77) Bromobenzene	12.75	156	29195	22.781	ug/l	93
78) n-propylbenzene	12.81	91	161004	22.277	ug/l	99
79) 2-Chlorotoluene	12.90	91	95222	22.850	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	117054	22.686	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5027	20.920	ug/l	96
82) 4-Chlorotoluene	12.99	91	96439	22.052	ug/l	99
83) tert-Butylbenzene	13.21	119	102271	22.894	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	113672	22.112	ug/l	95
85) sec-Butylbenzene	13.39	105	140768	22.305	ug/l	98
86) p-Isopropyltoluene	13.51	119	123669	22.212	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	59264	22.652	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	60364	23.141	ug/l	97
89) n-Butylbenzene	13.83	91	115550	22.054	ug/l	98
90) Hexachloroethane	14.10	117	18487	22.744	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	51901	22.640	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2842	21.191	ug/l	98

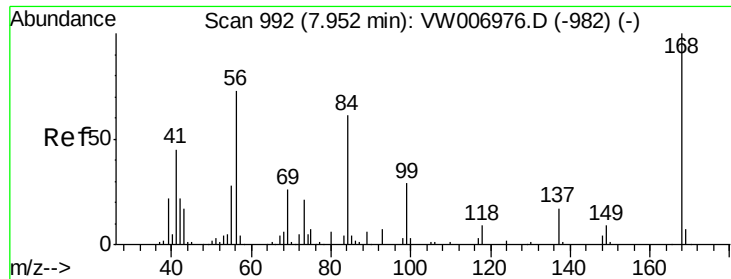
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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33264	22.005	ug/l	97
94) Hexachlorobutadiene	15.24	225	18482	22.490	ug/l	98
95) Naphthalene	15.37	128	54782	19.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	26861	21.418	ug/l	97

(#) = 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: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

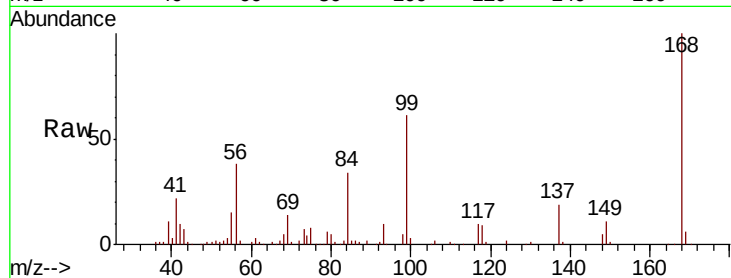
VW1127SBS01

Tot Ion:168 Resp: 110646

Ion Ratio Lower Upper

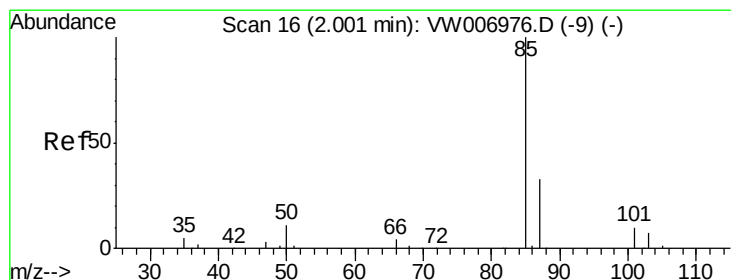
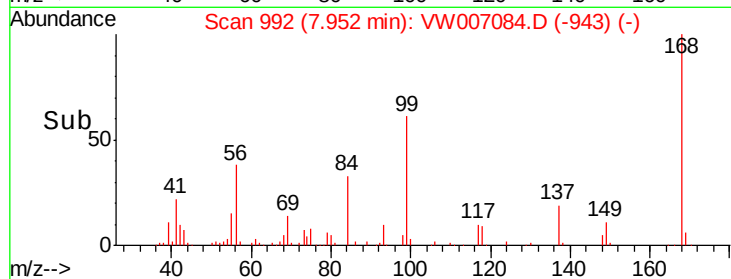
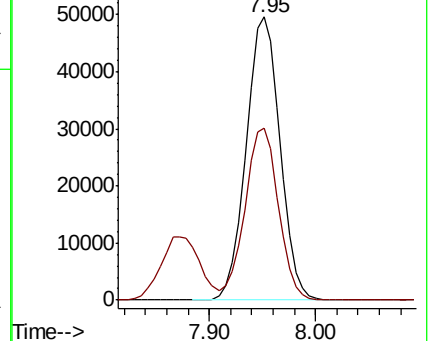
168 100

99 61.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.982 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007084.D

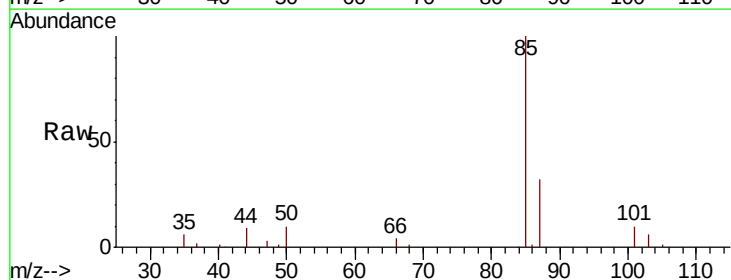
Acq: 27 Nov 2018 13:48

Tgt Ion: 85 Resp: 26199

Ion Ratio Lower Upper

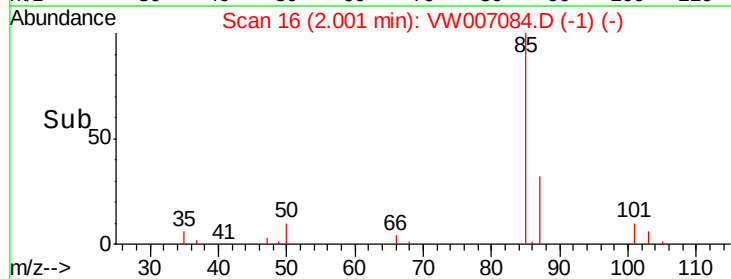
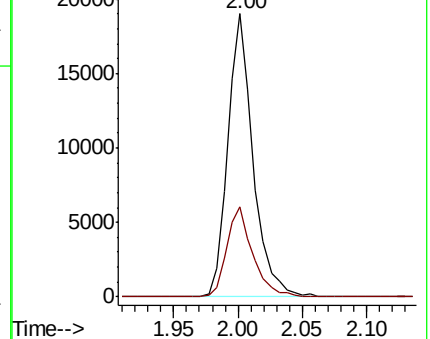
85 100

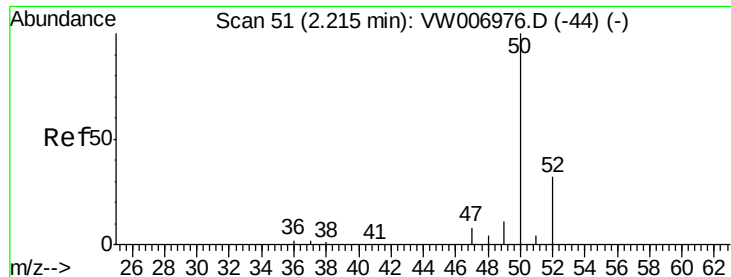
87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 22.268 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

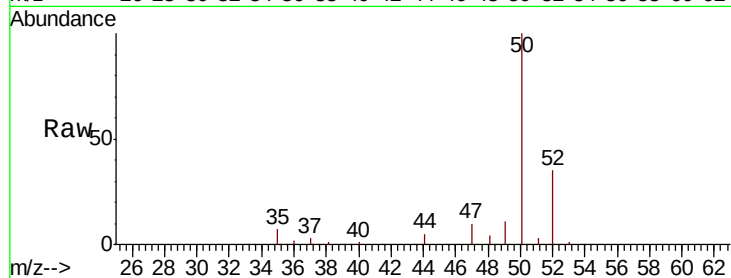
VW1127SBS01

Tot Ion: 50 Resp: 20273

Ion Ratio Lower Upper

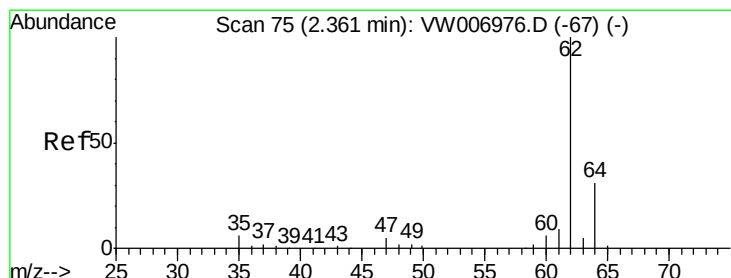
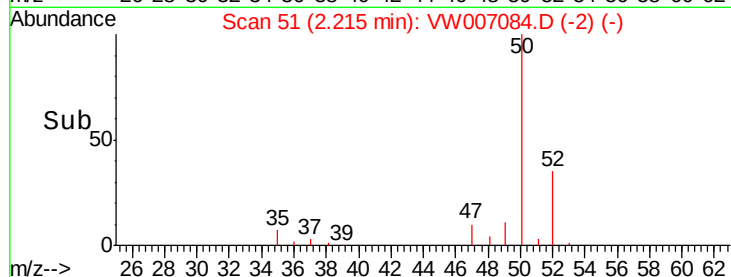
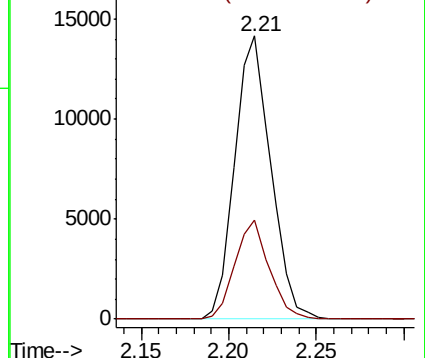
50 100

52 34.8 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 22.235 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW007084.D

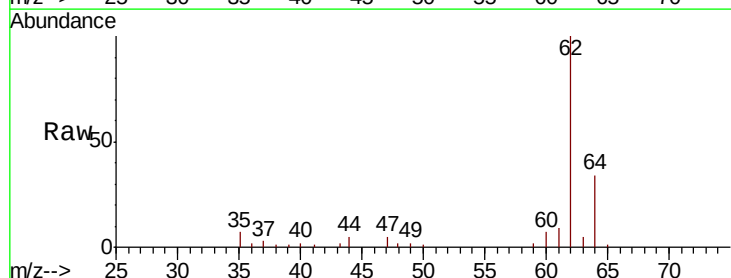
Acq: 27 Nov 2018 13:48

Tgt Ion: 62 Resp: 19917

Ion Ratio Lower Upper

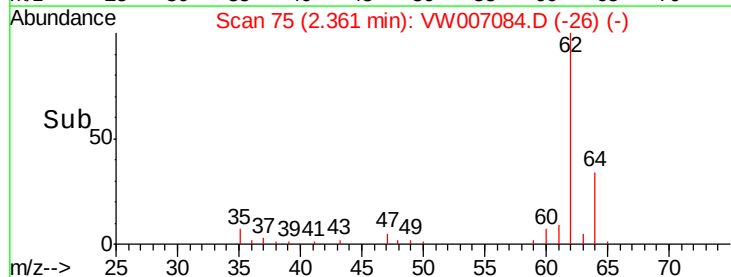
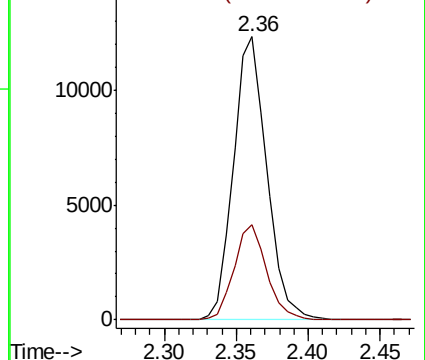
62 100

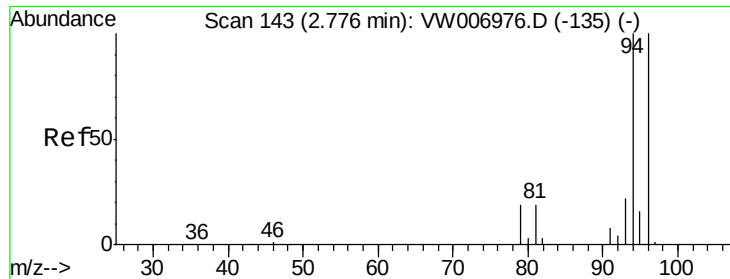
64 33.7 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 23.832 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

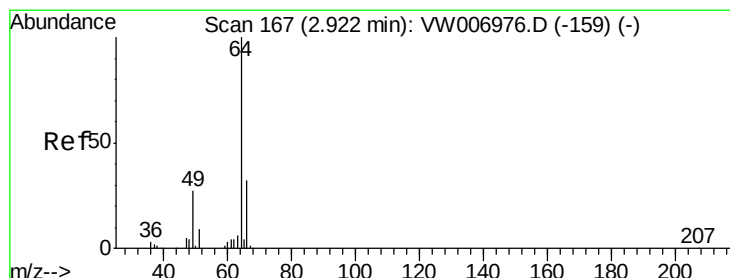
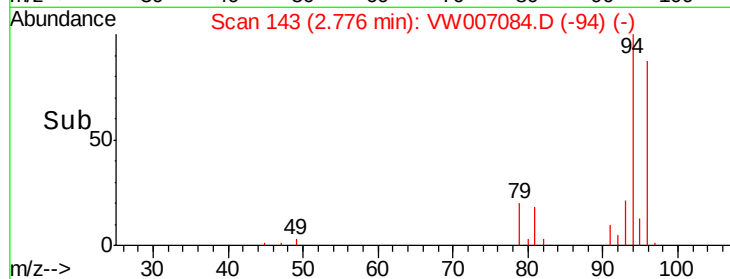
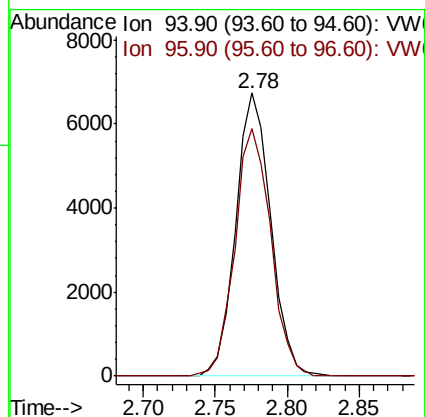
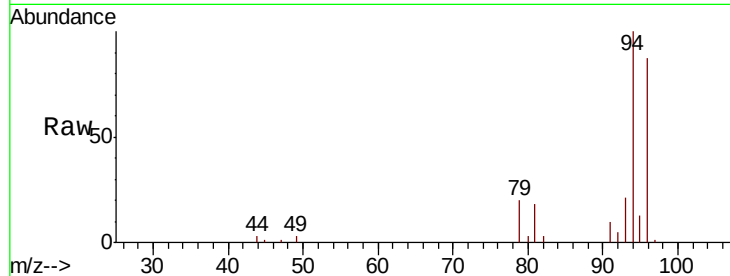
VW1127SBS01

Tot Ion: 94 Resp: 11394

Ion Ratio Lower Upper

94 100

96 87.4 80.2 120.2



#6

Chloroethane

Concen: 20.955 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007084.D

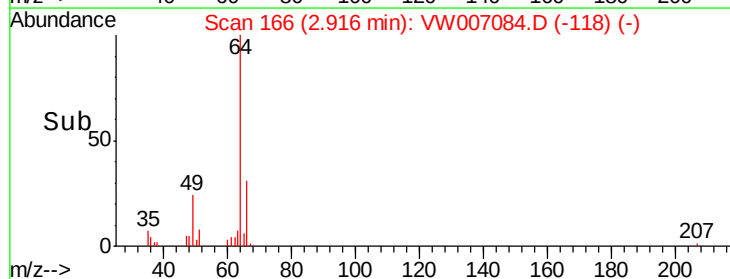
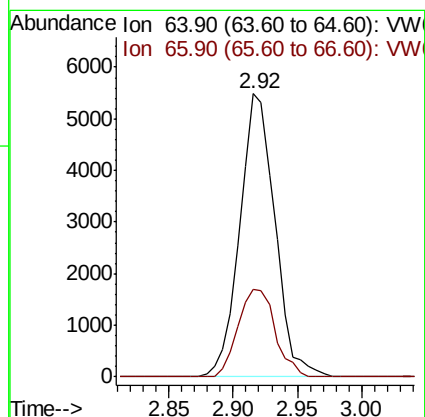
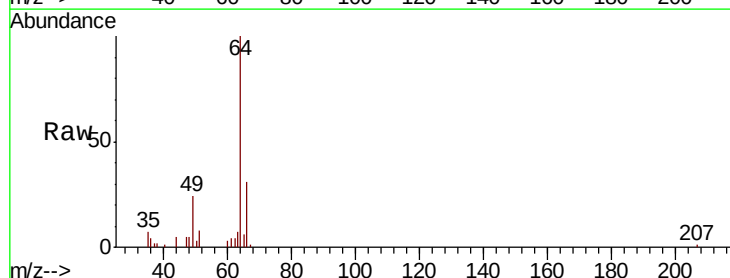
Acq: 27 Nov 2018 13:48

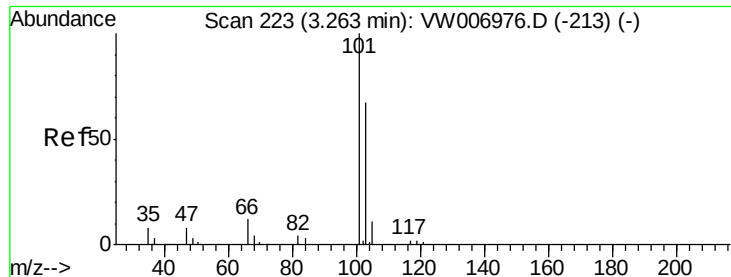
Tgt Ion: 64 Resp: 10347

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



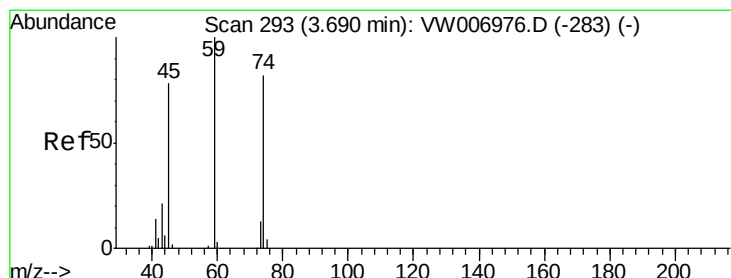
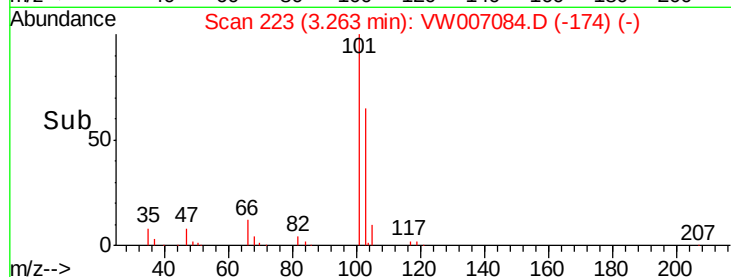
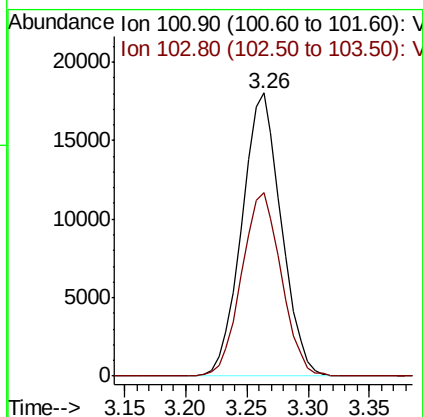
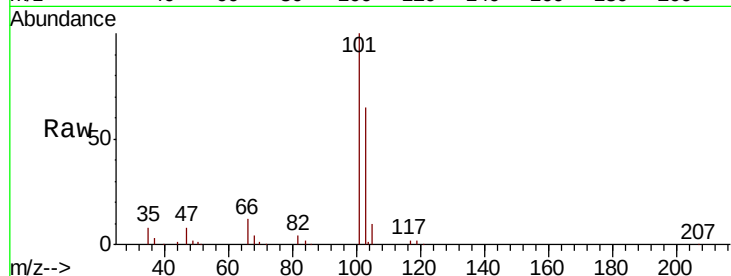


#7

Trichlorofluoromethane
 Concen: 22.910 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

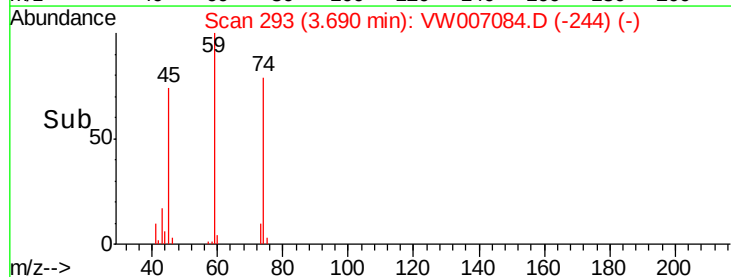
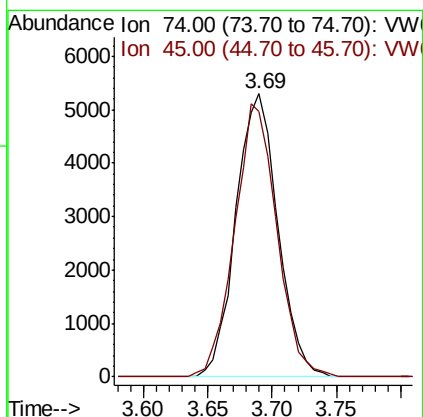
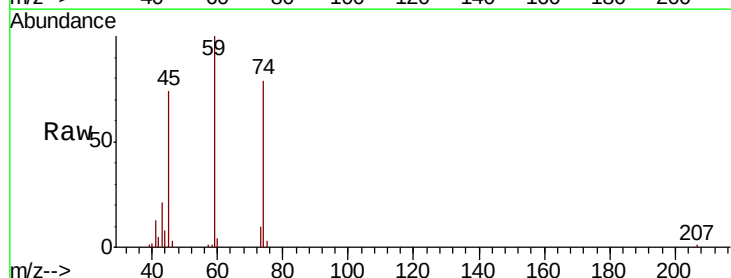
Tot Ion:101 Resp: 40353
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.4 80.2

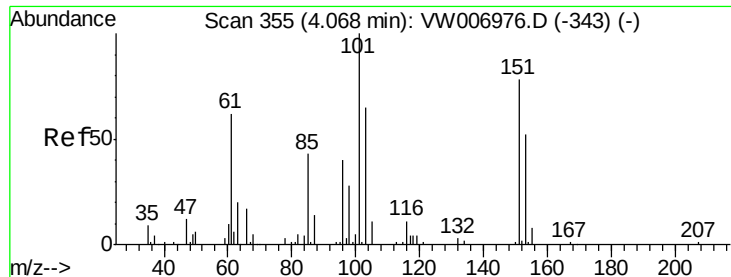


#8

Diethyl Ether
 Concen: 21.071 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 74 Resp: 11959
 Ion Ratio Lower Upper
 74 100
 45 97.2 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.190 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

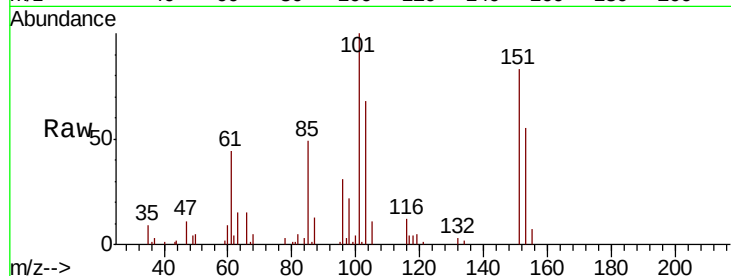
Tot Ion:101 Resp: 26480

Ion Ratio Lower Upper

101 100

85 43.7 34.3 51.5

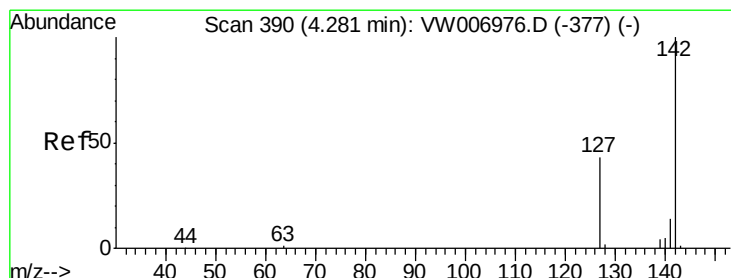
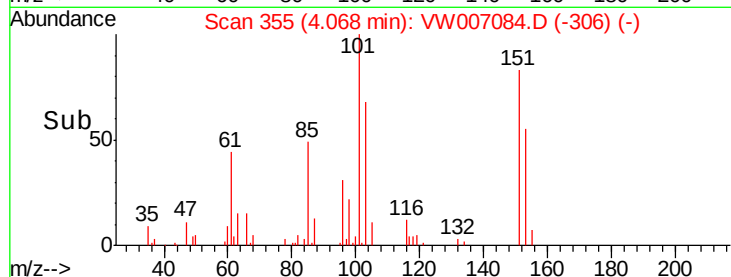
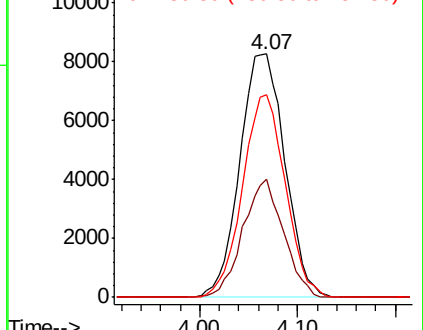
151 78.9 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.438 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

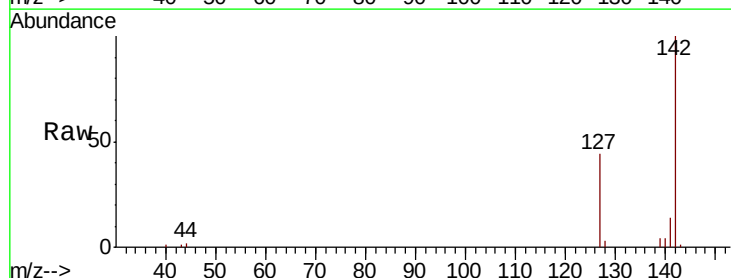
Tgt Ion:142 Resp: 22795

Ion Ratio Lower Upper

142 100

127 43.2 35.3 52.9

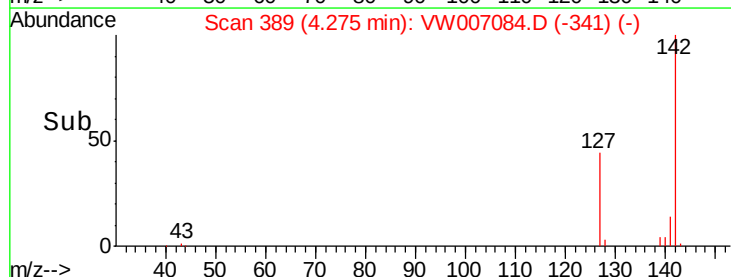
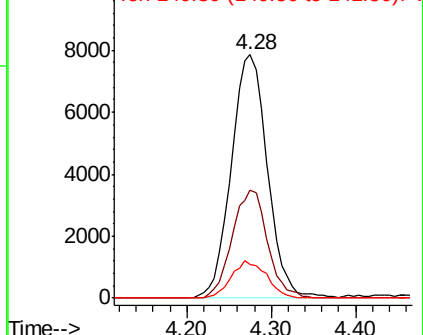
141 14.8 11.7 17.5

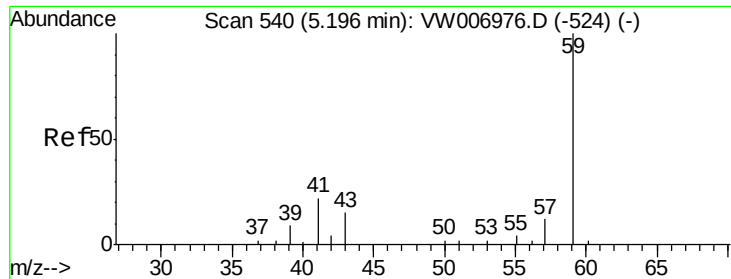


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

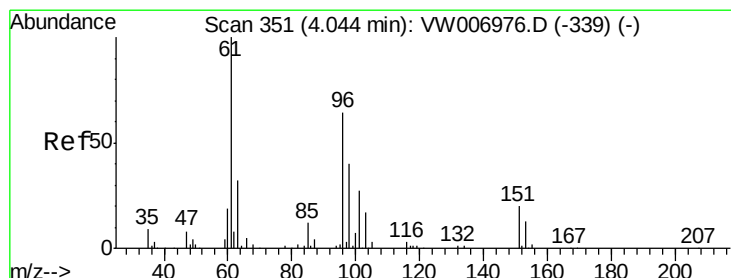
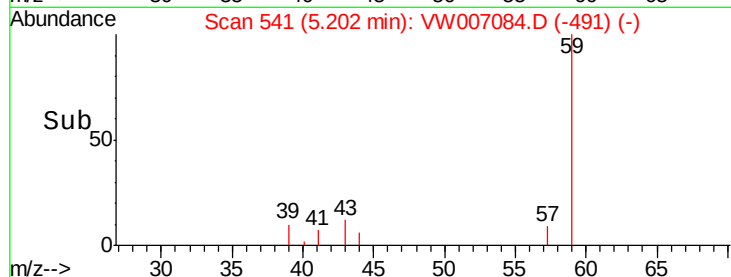
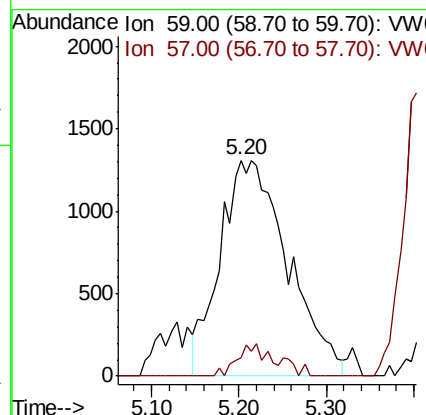
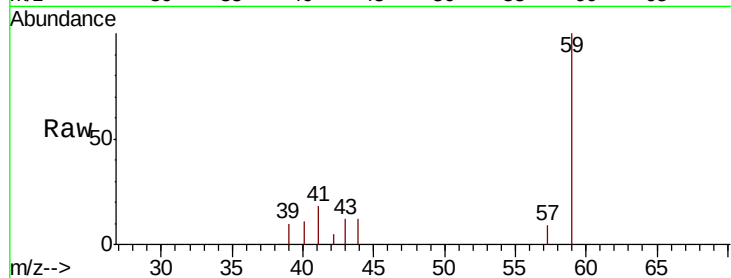




#11
Tert butyl alcohol
Concen: 100.300 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

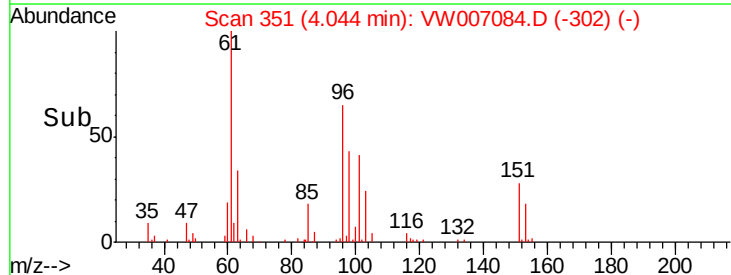
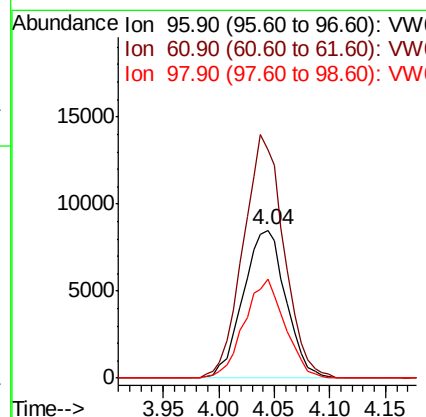
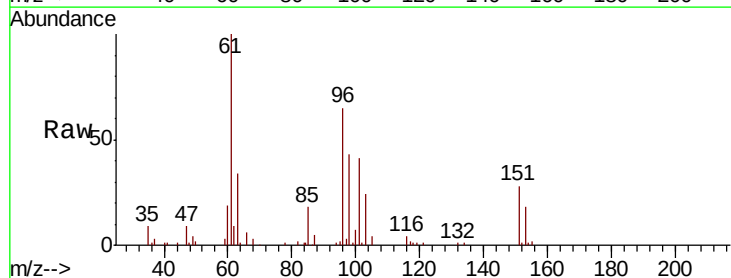
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

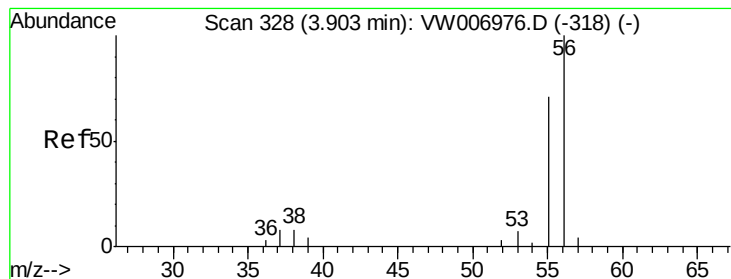
Tot Ion: 59 Resp: 7073
Ion Ratio Lower Upper
59 100
57 6.5 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 22.629 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 96 Resp: 22663
Ion Ratio Lower Upper
96 100
61 154.2 124.3 186.5
98 66.8 49.4 74.2





#13

Acrolein

Concen: 94.519 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

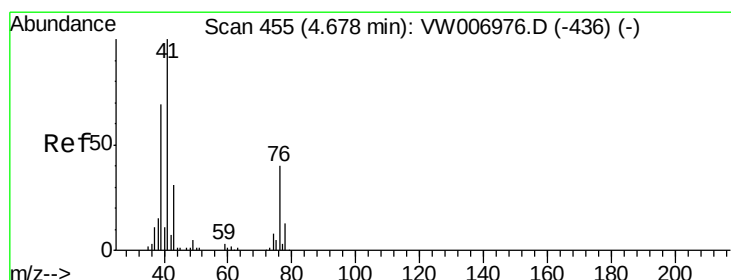
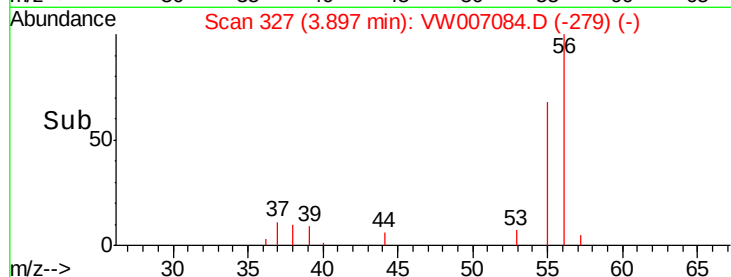
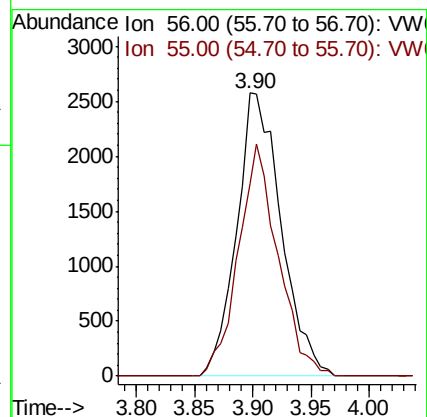
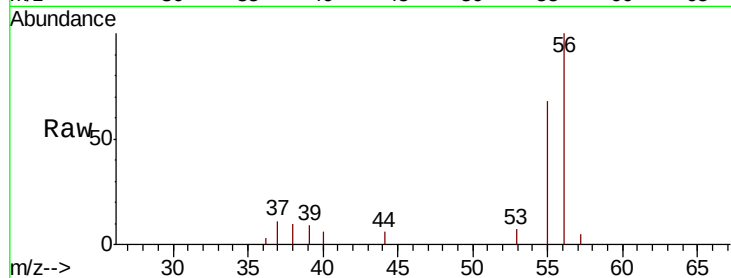
VW1127SBS01

Tot Ion: 56 Resp: 6845

Ion Ratio Lower Upper

56 100

55 73.2 57.5 86.3



#14

Allyl chloride

Concen: 21.437 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

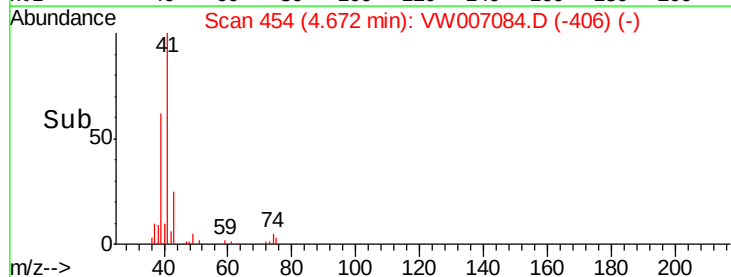
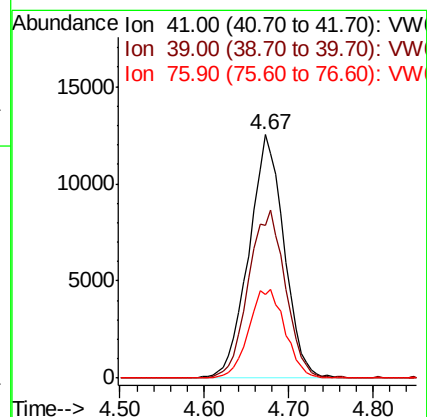
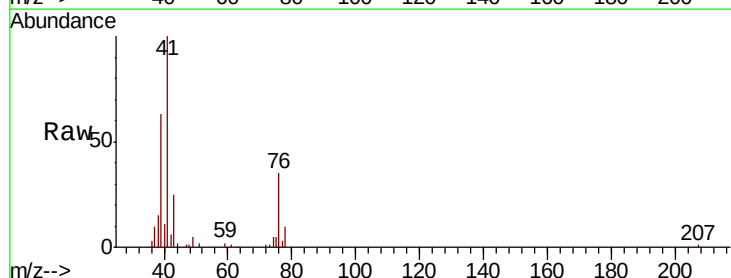
Tgt Ion: 41 Resp: 35610

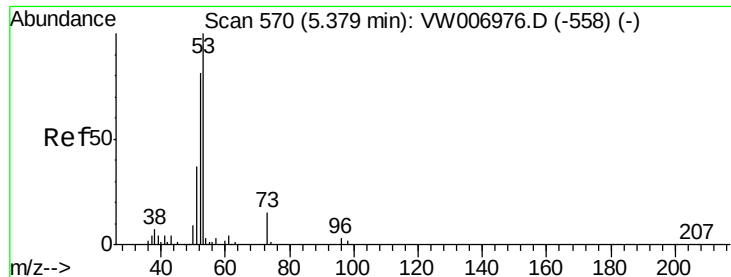
Ion Ratio Lower Upper

41 100

39 72.2 55.4 83.2

76 37.3 29.6 44.4





#15

Acrylonitrile

Concen: 99.408 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

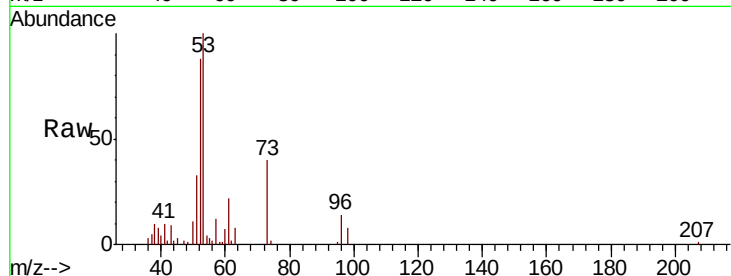
Tot Ion: 53 Resp: 21205

Ion Ratio Lower Upper

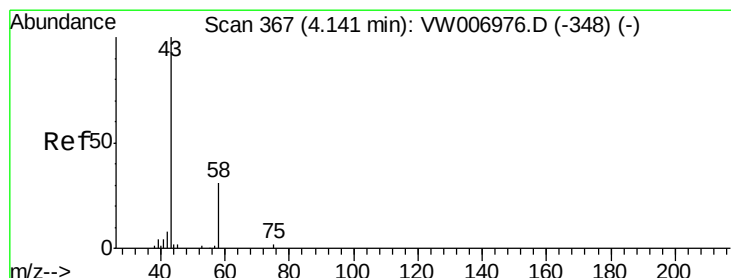
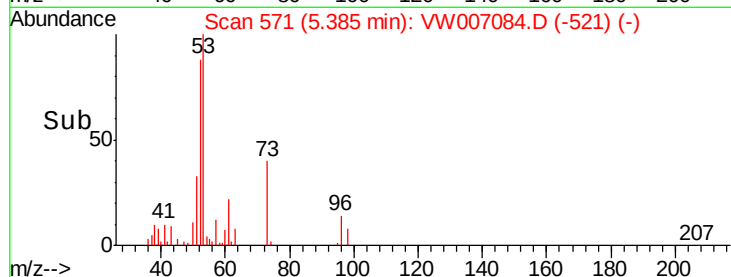
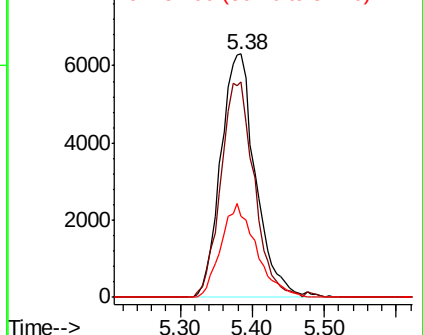
53 100

52 84.8 65.7 98.5

51 39.0 29.9 44.9



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



#16

Acetone

Concen: 101.923 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007084.D

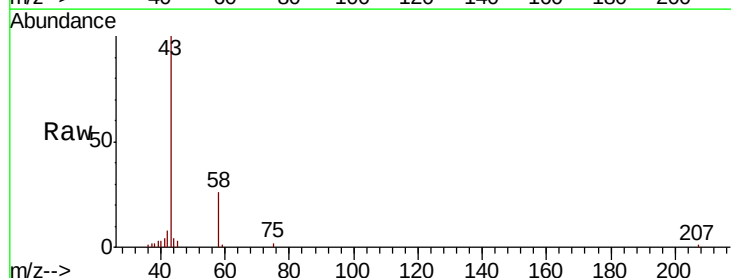
Acq: 27 Nov 2018 13:48

Tgt Ion: 43 Resp: 16030

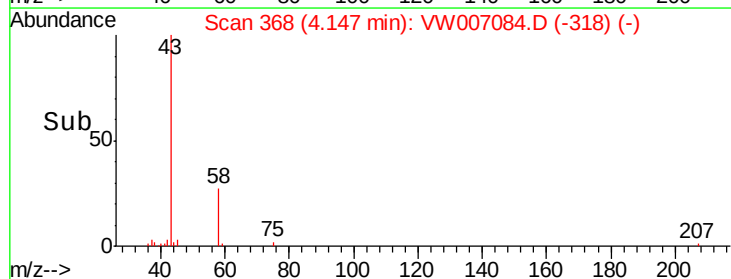
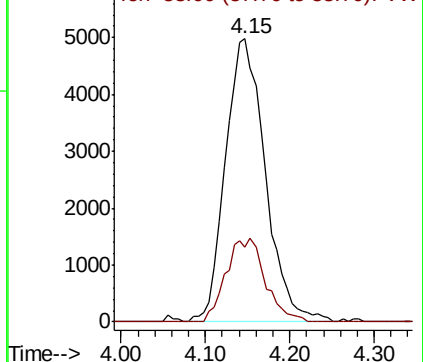
Ion Ratio Lower Upper

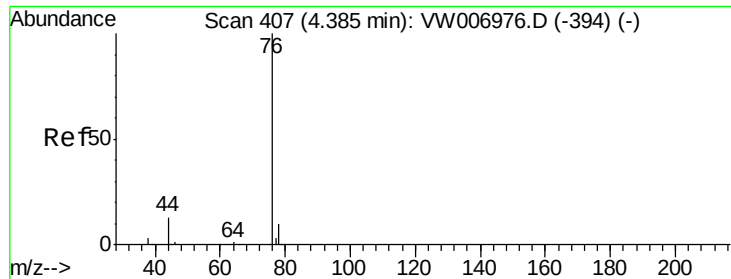
43 100

58 26.4 24.8 37.2



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





#17

Carbon Disulfide

Concen: 21.315 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

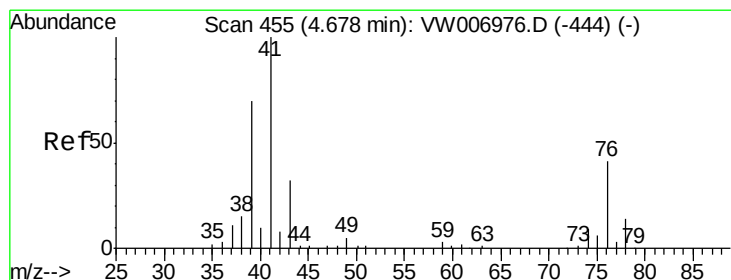
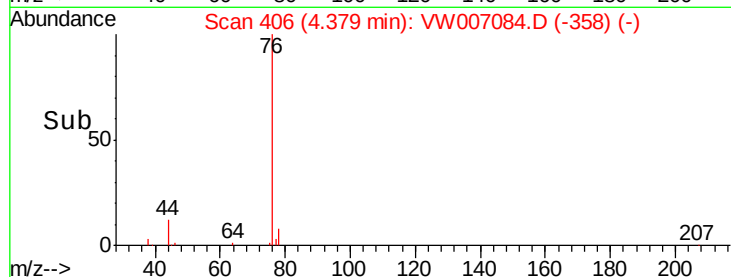
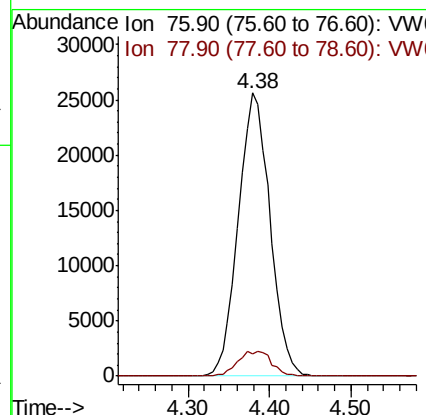
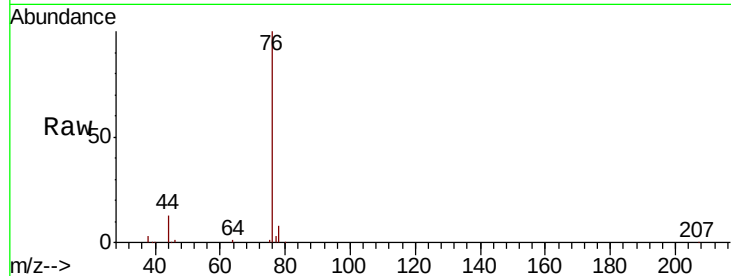
VW1127SBS01

Tot Ion: 76 Resp: 69015

Ion Ratio Lower Upper

76 100

78 8.1 7.8 11.6



#18

Methyl Acetate

Concen: 19.033 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW007084.D

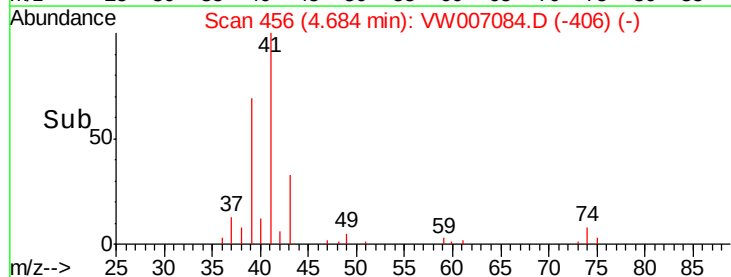
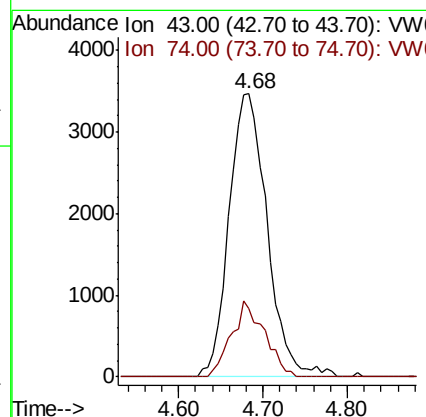
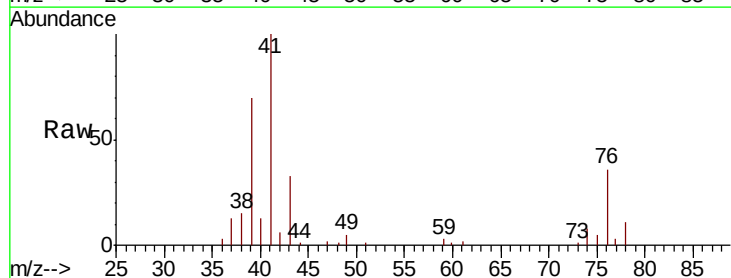
Acq: 27 Nov 2018 13:48

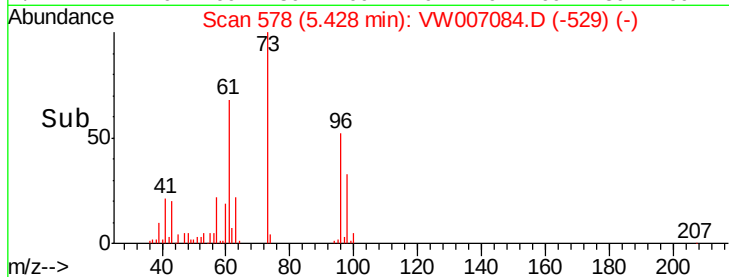
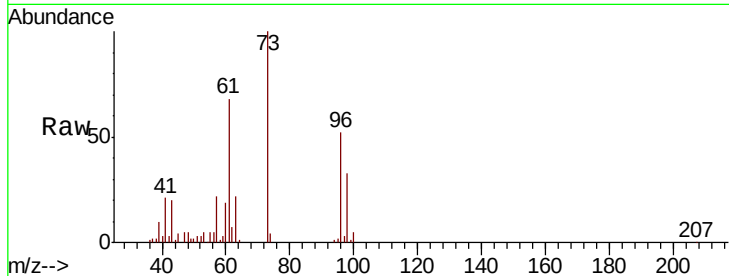
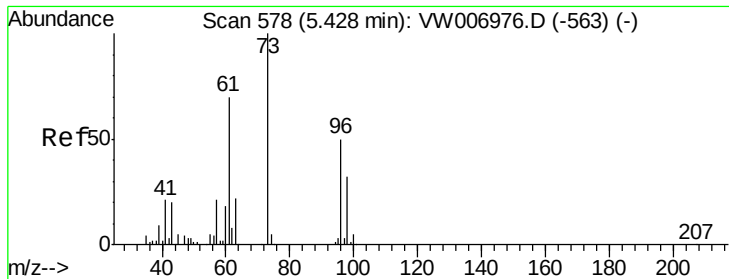
Tgt Ion: 43 Resp: 10660

Ion Ratio Lower Upper

43 100

74 23.3 20.1 30.1



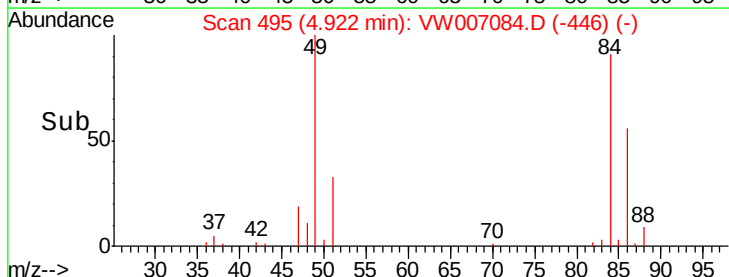
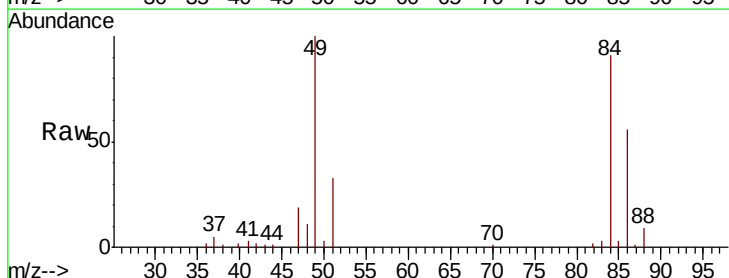
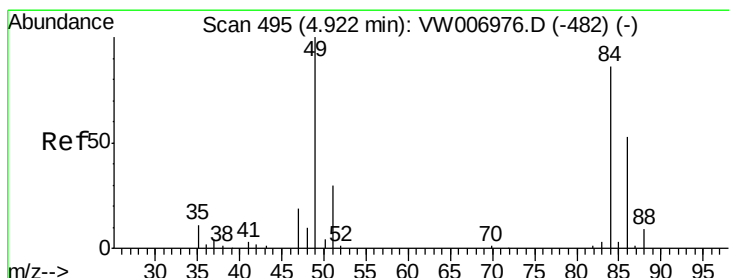
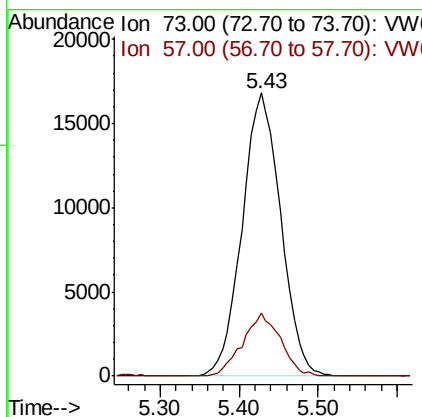


#19

Methyl tert-butyl Ether
Concen: 21.910 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

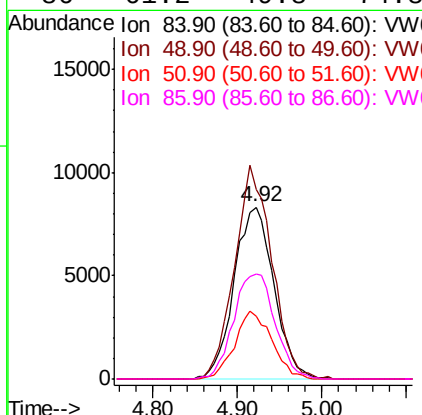
Tot Ion: 73 Resp: 57296
Ion Ratio Lower Upper
73 100
57 22.2 16.7 25.1

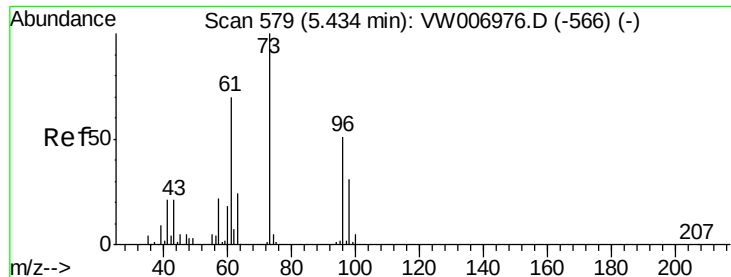


#20

Methylene Chloride
Concen: 17.808 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 84 Resp: 26678
Ion Ratio Lower Upper
84 100
49 110.1 93.4 140.0
51 36.4 28.4 42.6
86 61.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 22.195 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

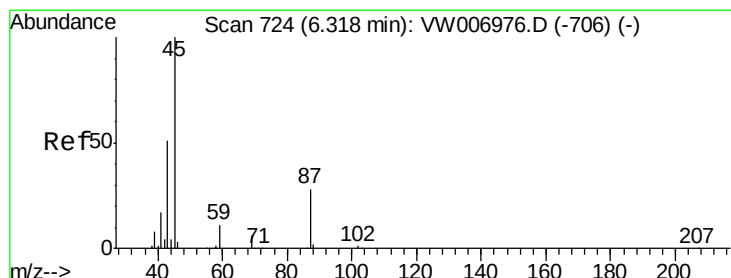
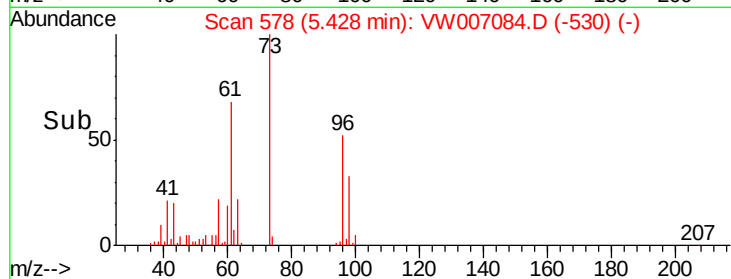
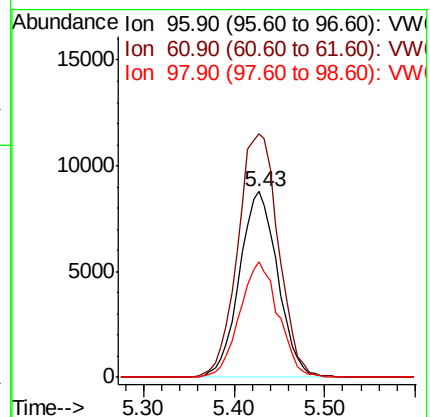
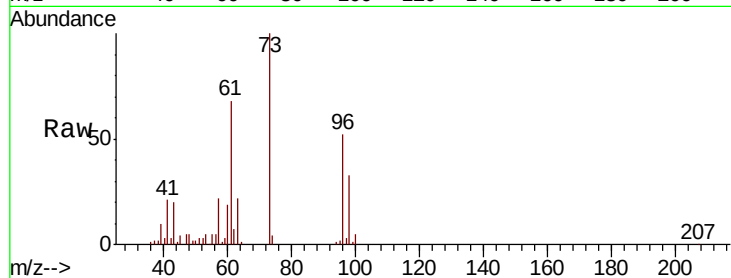
Tot Ion: 96 Resp: 25894

Ion Ratio Lower Upper

96 100

61 131.1 109.4 164.0

98 62.3 48.3 72.5



#22

Diisopropyl ether

Concen: 21.914 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Tgt Ion: 45 Resp: 70853

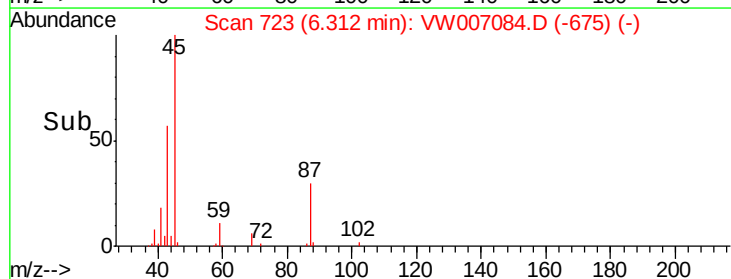
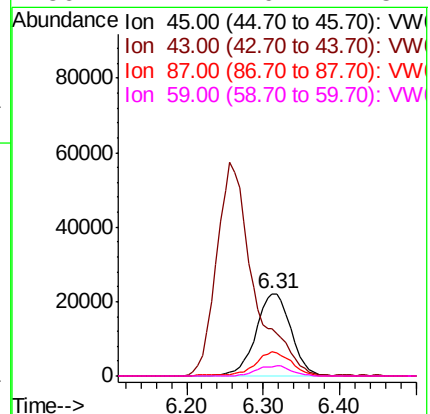
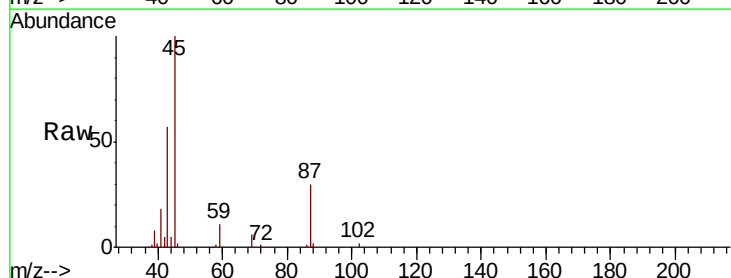
Ion Ratio Lower Upper

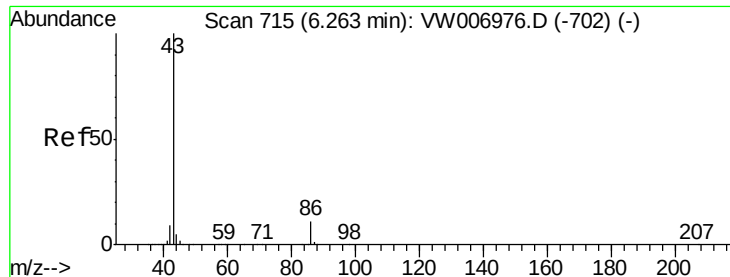
45 100

43 56.1 42.5 63.7

87 30.4 22.8 34.2

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 112.501 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

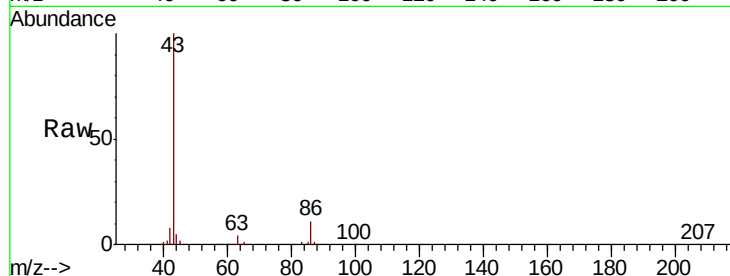
VW1127SBS01

Tot Ion: 43 Resp: 193158

Ion Ratio Lower Upper

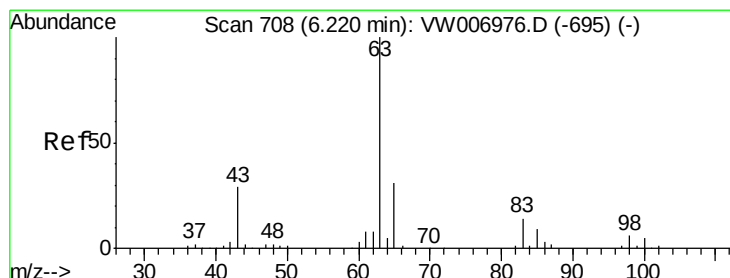
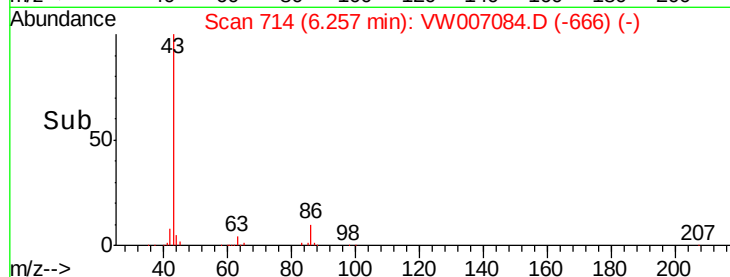
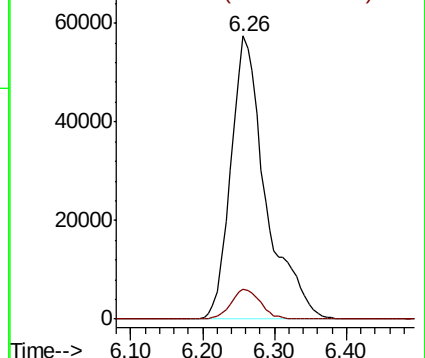
43 100

86 10.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.373 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

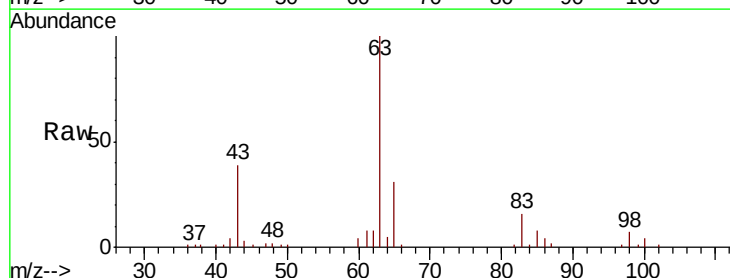
Tgt Ion: 63 Resp: 42038

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

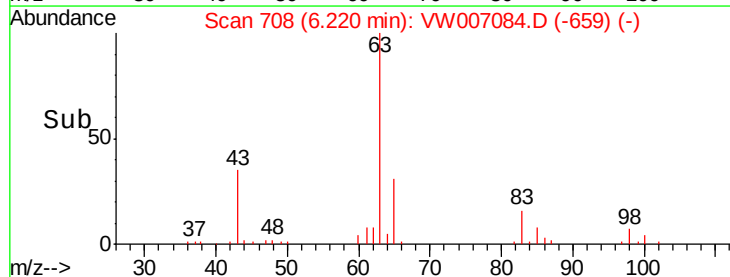
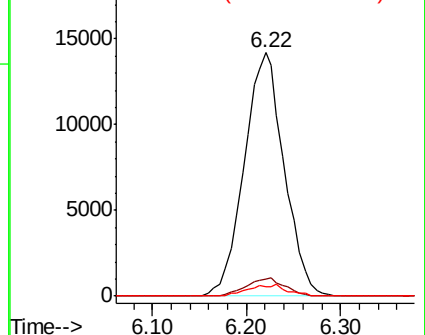
100 4.0 2.3 6.9

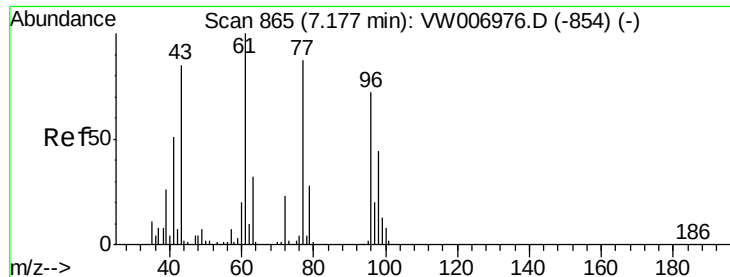


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 100.579 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampled :

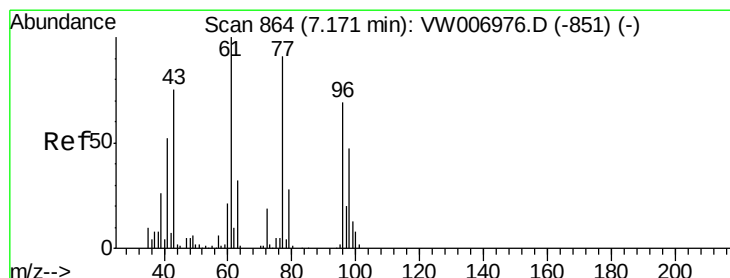
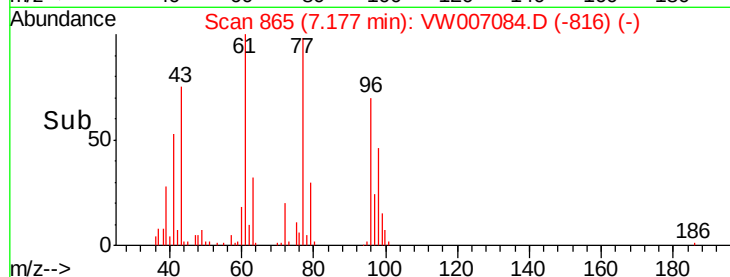
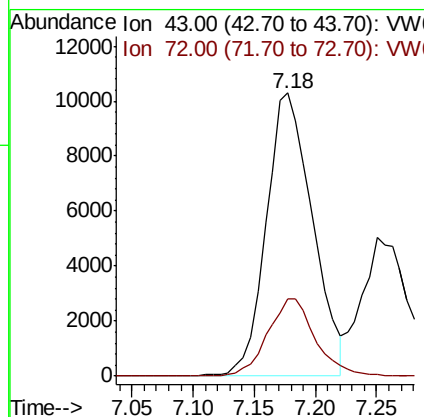
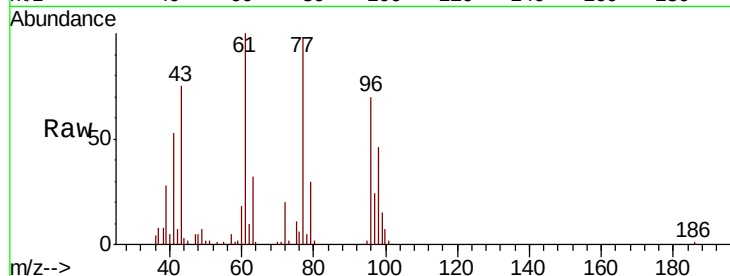
VW1127SBS01

Tot Ion: 43 Resp: 27093

Ion Ratio Lower Upper

43 100

72 27.1 21.3 31.9



#26

2,2-Dichloropropane

Concen: 24.149 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007084.D

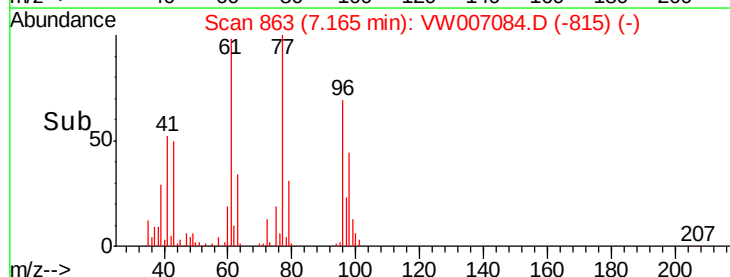
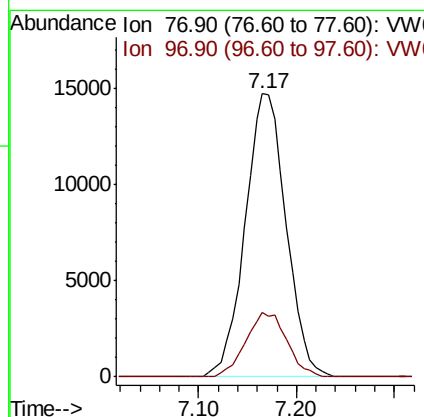
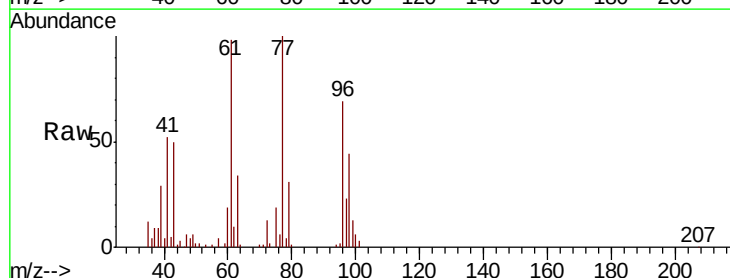
Acq: 27 Nov 2018 13:48

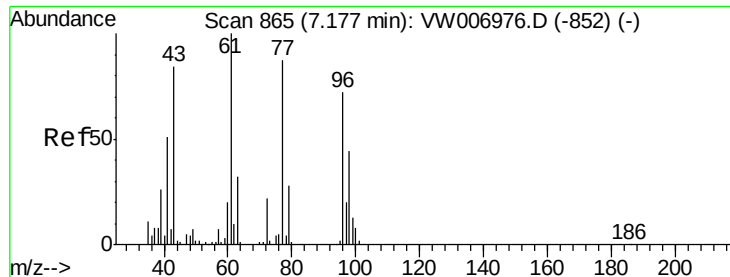
Tgt Ion: 77 Resp: 42714

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1



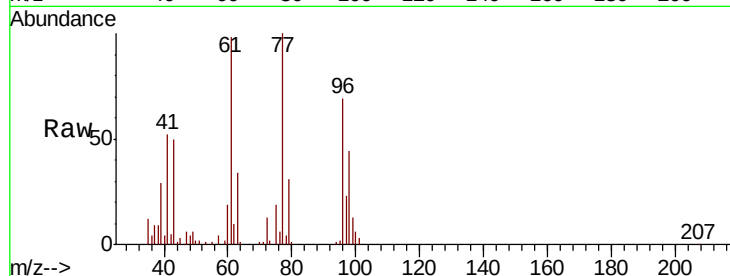


#27

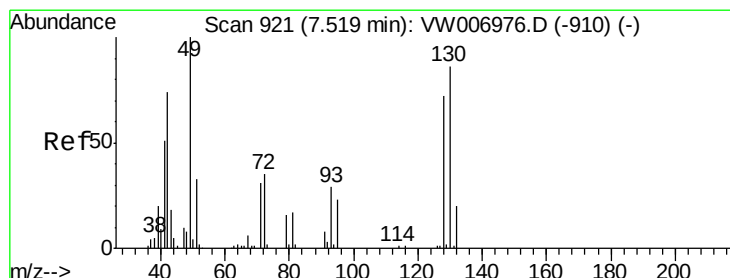
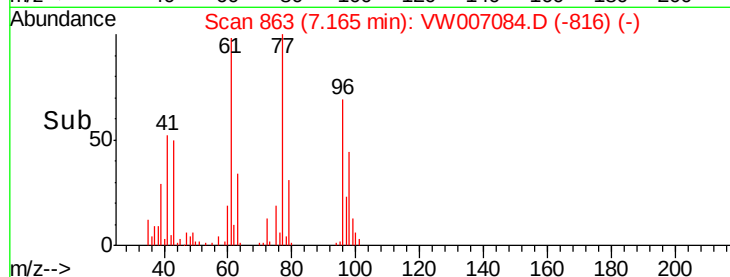
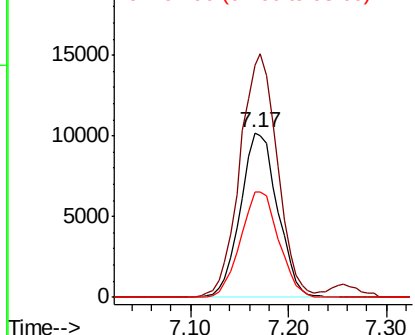
cis-1,2-Dichloroethene
Concen: 21.604 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tot Ion: 96 Resp: 26840
Ion Ratio Lower Upper
96 100
61 148.9 0.0 292.6
98 65.6 0.0 129.8



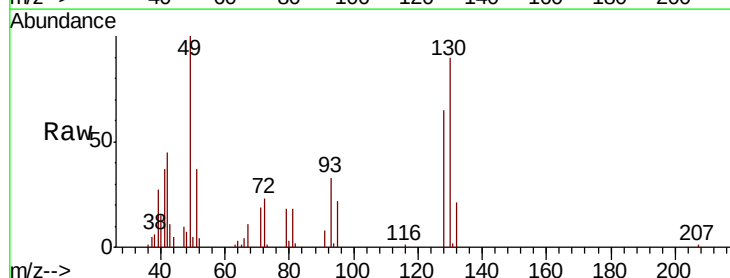
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



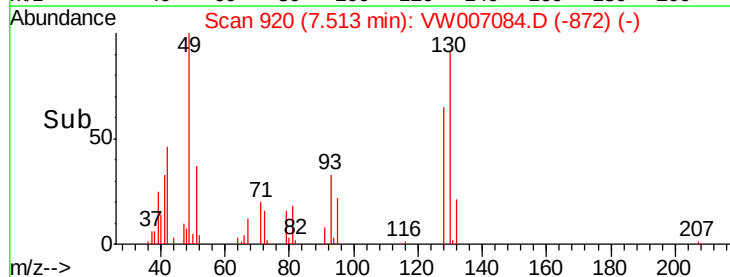
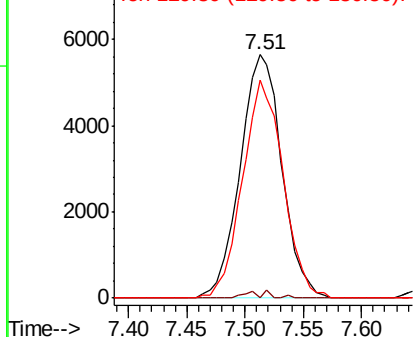
#28

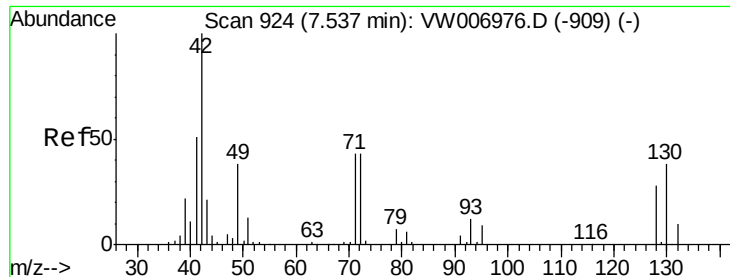
Bromochloromethane
Concen: 19.170 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 49 Resp: 14092
Ion Ratio Lower Upper
49 100
129 0.9 0.0 2.0
130 87.1 69.0 103.4



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

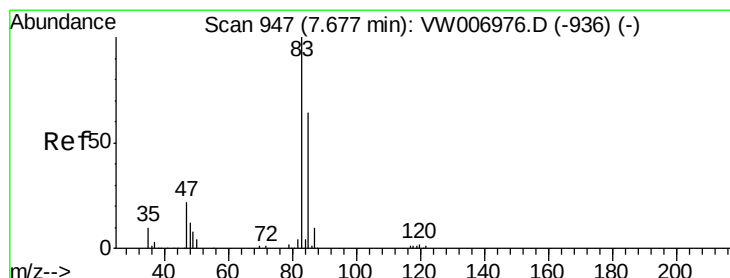
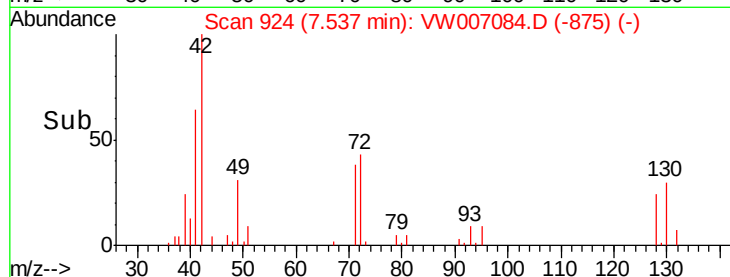
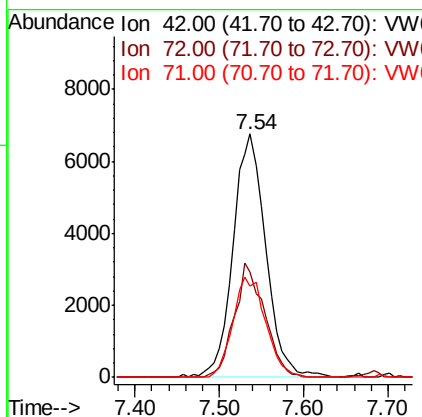
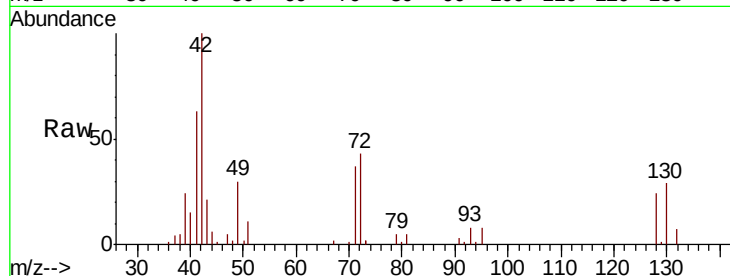




#29
Tetrahydrofuran
Concen: 101.412 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

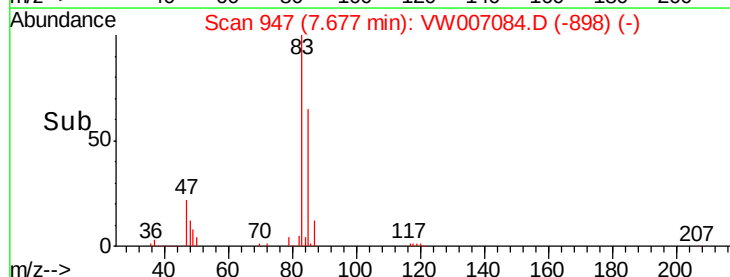
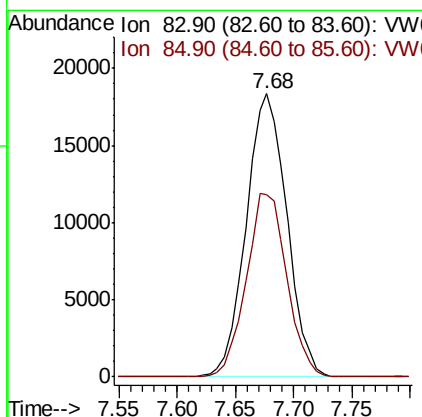
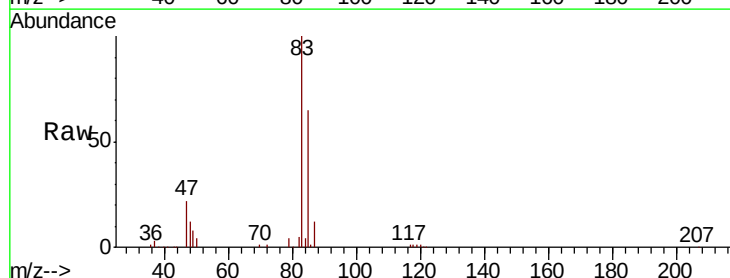
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

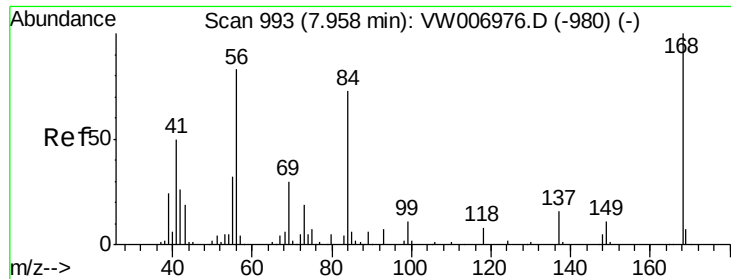
Tot Ion: 42 Resp: 17692
Ion Ratio Lower Upper
42 100
72 43.4 36.2 54.4
71 41.5 33.8 50.8



#30
Chloroform
Concen: 21.384 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 83 Resp: 44683
Ion Ratio Lower Upper
83 100
85 64.6 50.9 76.3

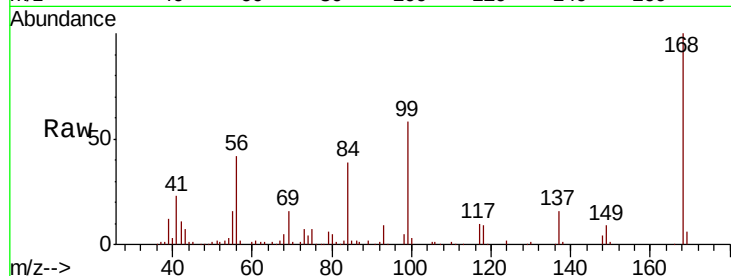




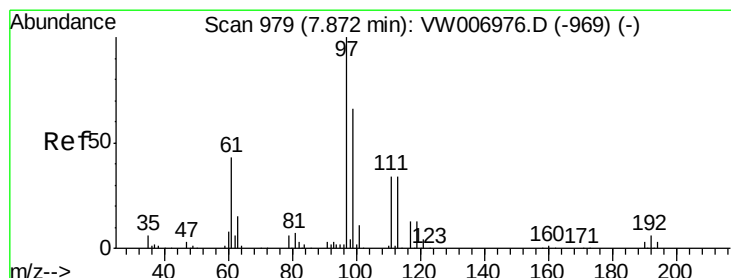
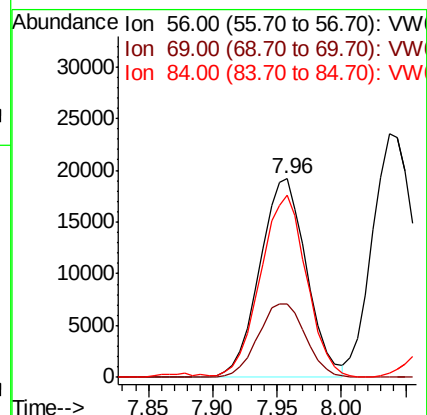
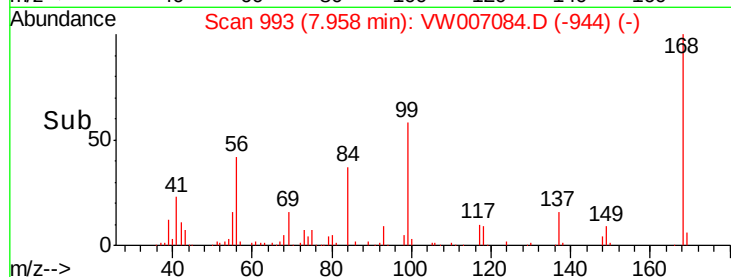
#31
Cyclohexane
Concen: 23.162 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tot Ion: 56 Resp: 48322
Ion Ratio Lower Upper
56 100
69 36.8 29.1 43.7
84 90.7 70.6 105.8

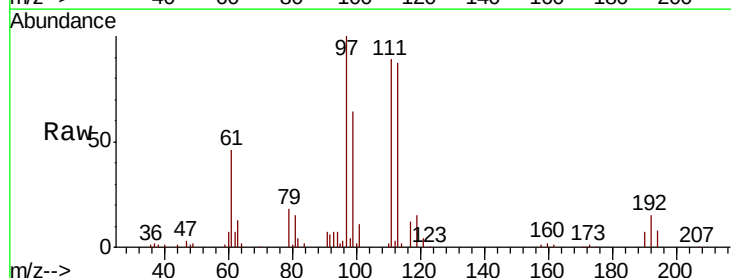


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

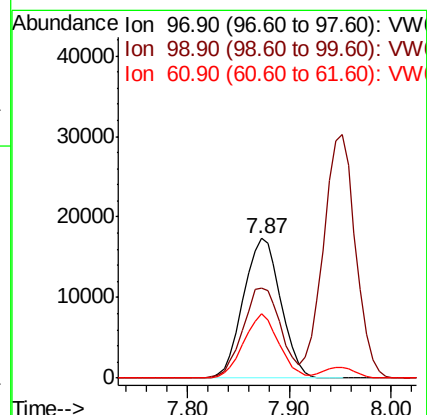
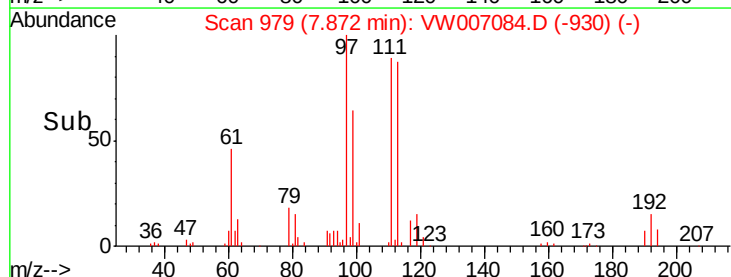


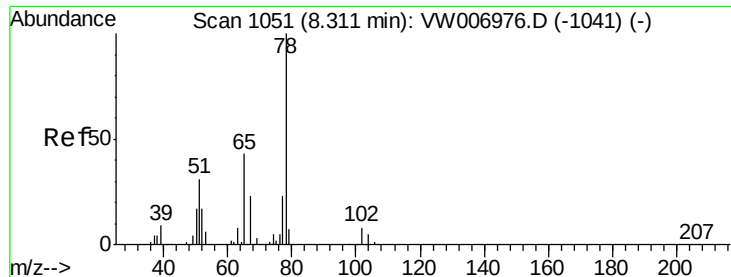
#32
1,1,1-Trichloroethane
Concen: 23.508 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 97 Resp: 44246
Ion Ratio Lower Upper
97 100
99 65.2 51.9 77.9
61 43.3 33.4 50.2



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

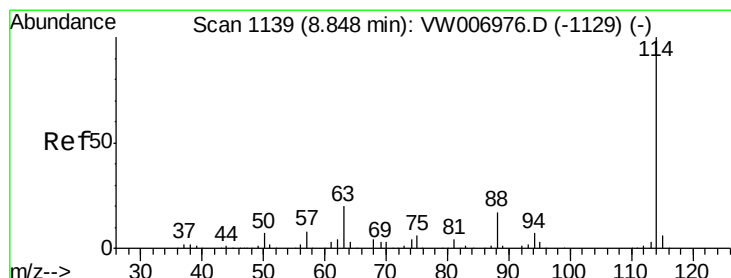
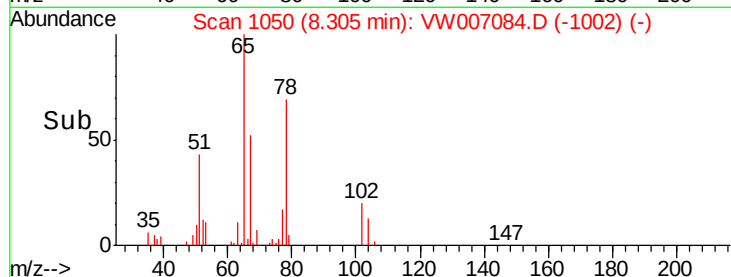
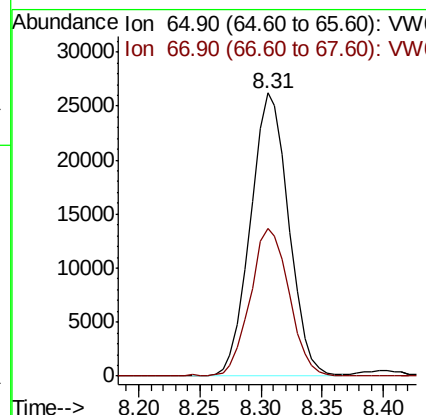
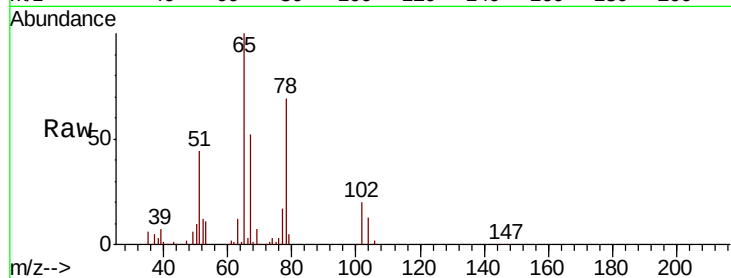




#33
 1,2-Dichloroethane-d4
 Concen: 52.645 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

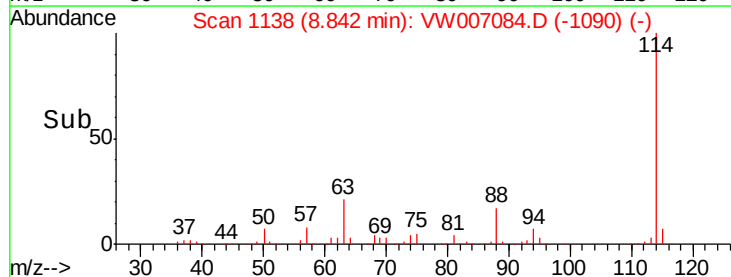
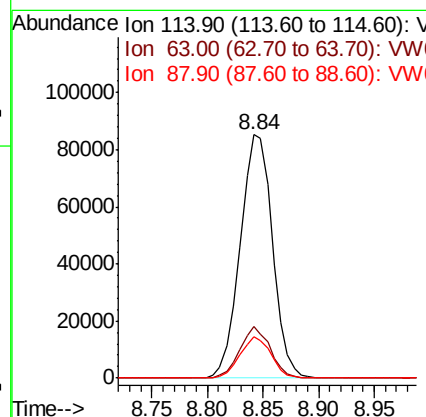
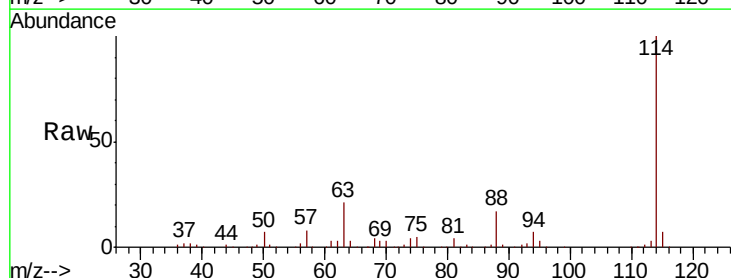
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

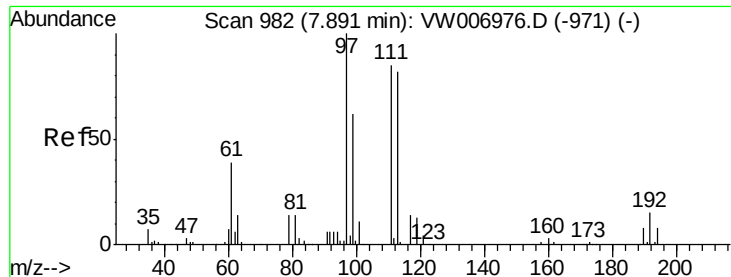
Tot Ion: 65 Resp: 57027
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 114 Resp: 171021
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.4
 88 17.0 0.0 34.2

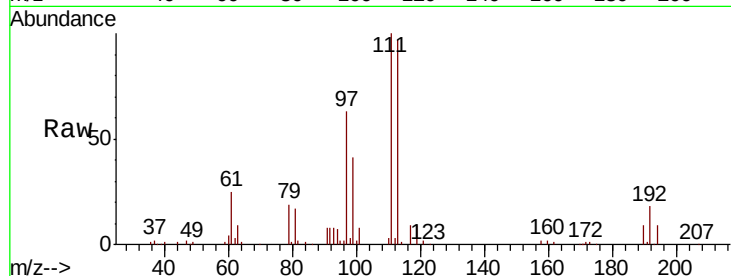




#35
 Dibromofluoromethane
 Concen: 53.003 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.6
192	18.4	15.0	22.6

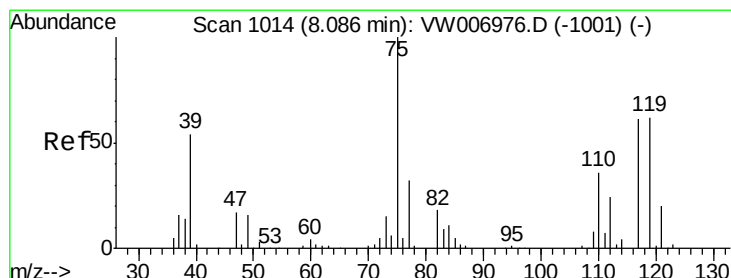
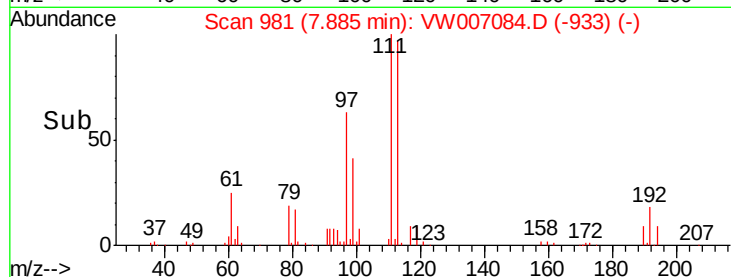
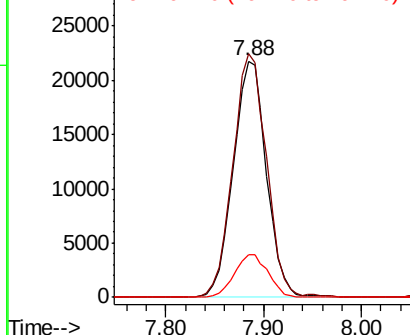


Abundance

Ion 112.80 (112.50 to 113.50): V

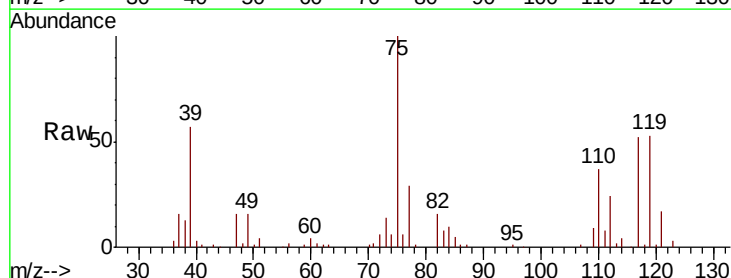
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 23.495 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.0	54.0
77	30.9	24.9	37.3

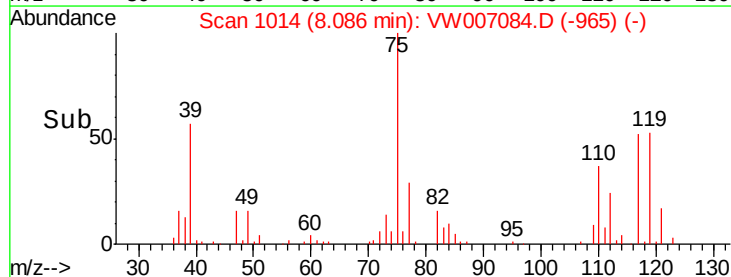
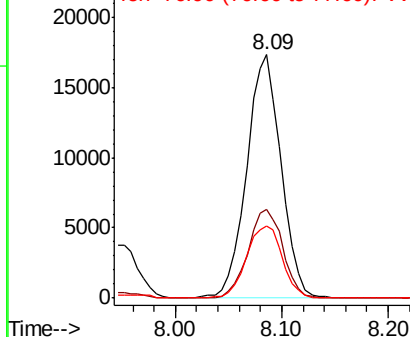


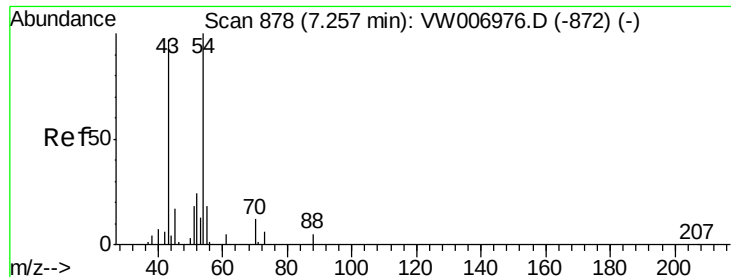
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

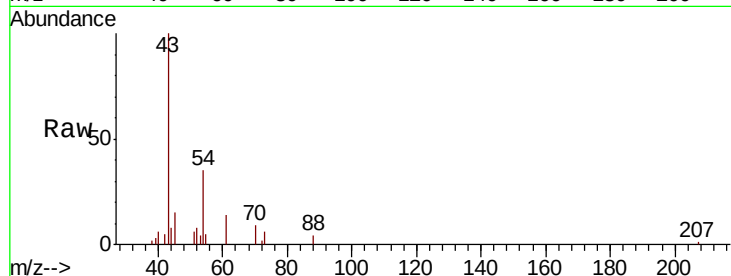




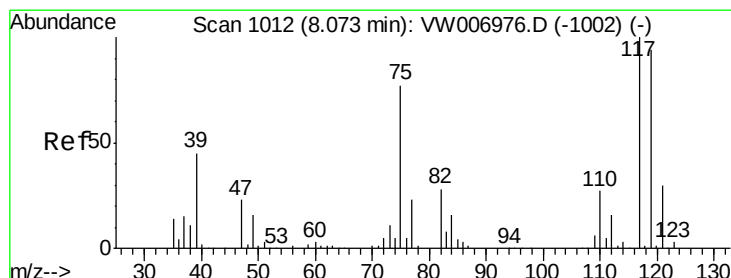
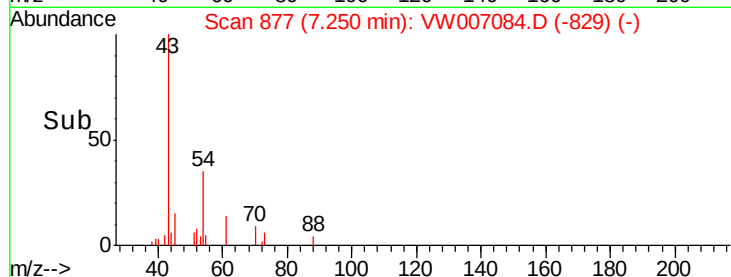
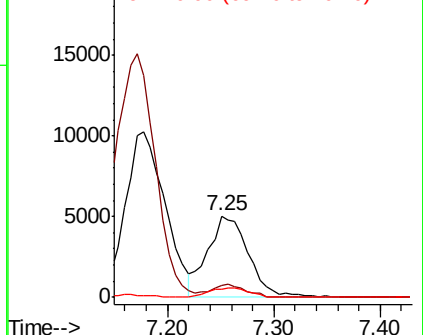
#37
Ethyl Acetate
Concen: 22.206 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tot Ion: 43 Resp: 13448
Ion Ratio Lower Upper
43 100
61 13.7 10.4 15.6
70 11.4 8.8 13.2

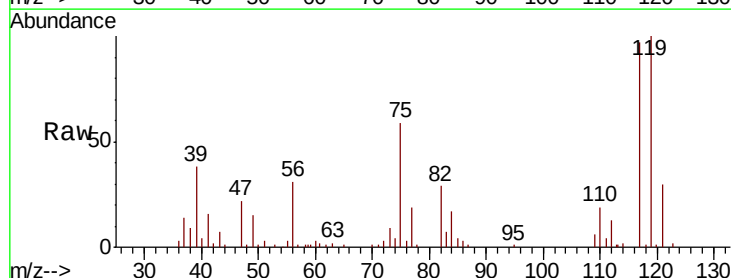


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

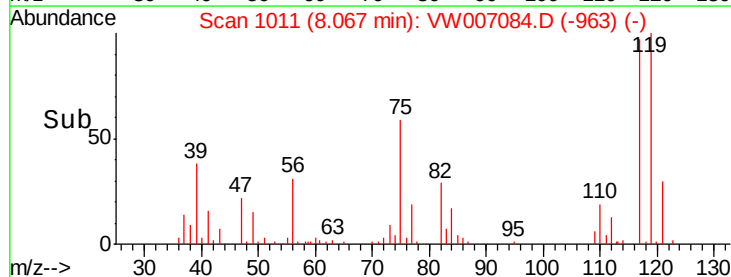
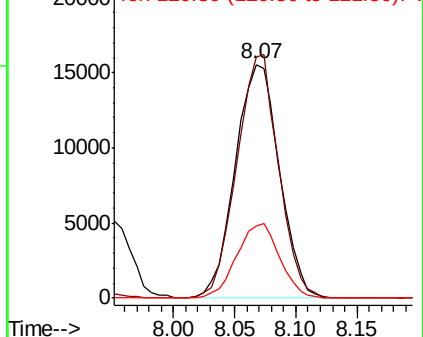


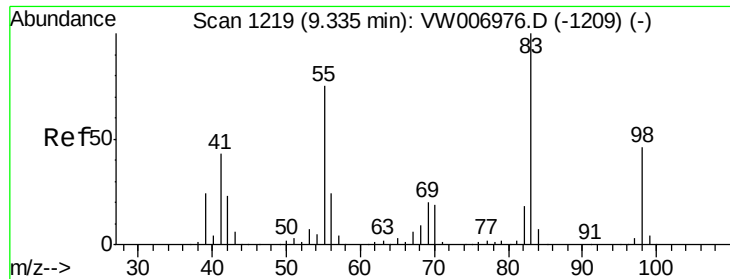
#38
Carbon Tetrachloride
Concen: 24.428 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 117 Resp: 39094
Ion Ratio Lower Upper
117 100
119 103.1 74.9 112.3
121 30.9 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

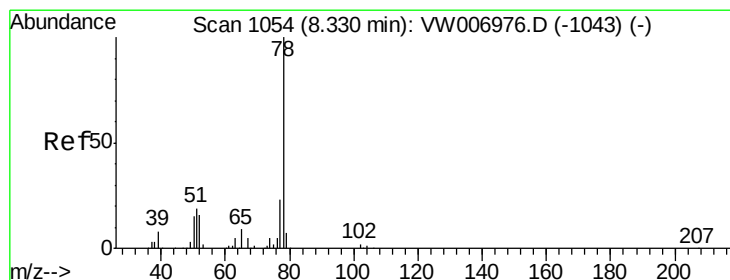
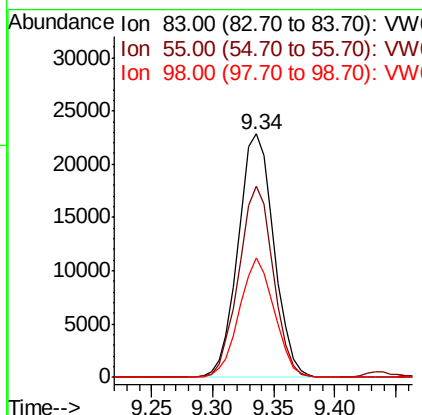
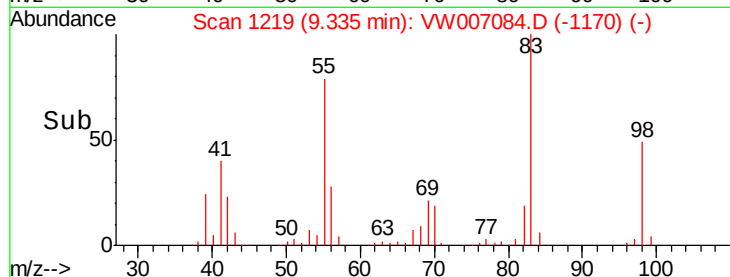
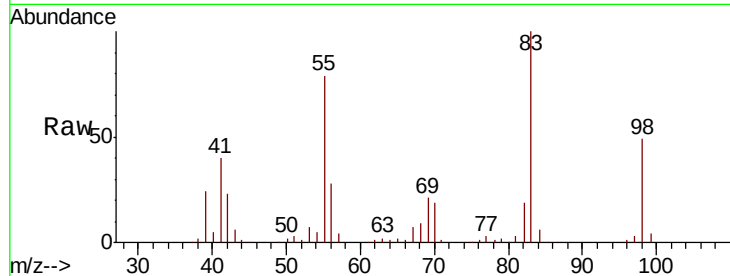




#39
Methylvlcyclohexane
Concen: 22.190 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

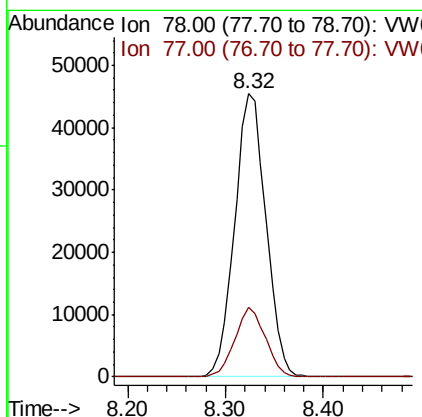
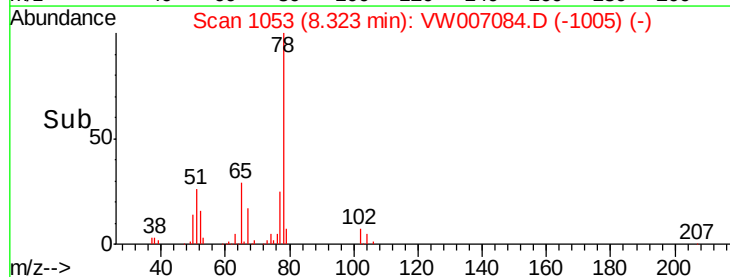
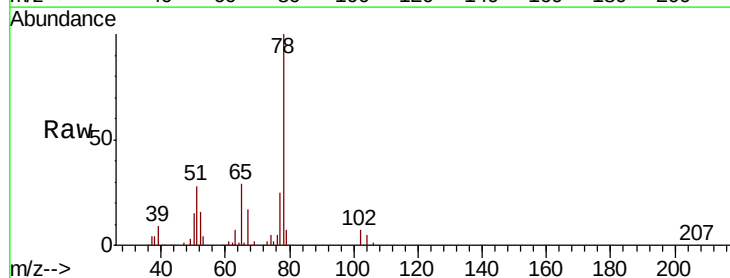
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

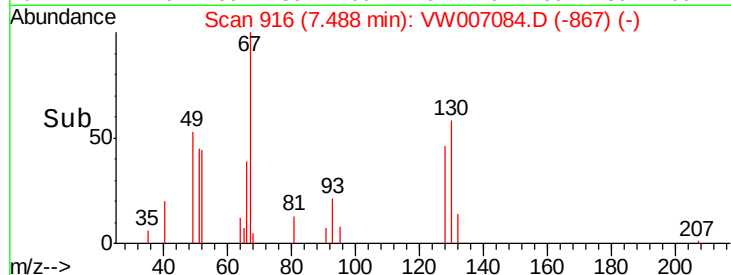
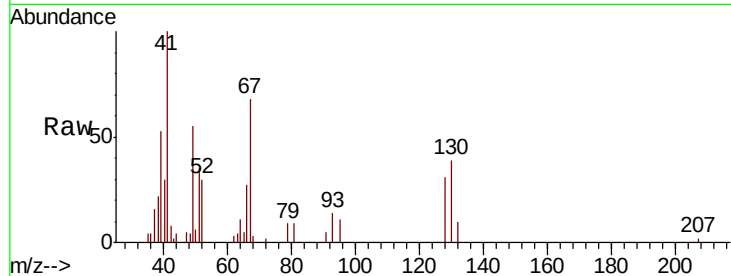
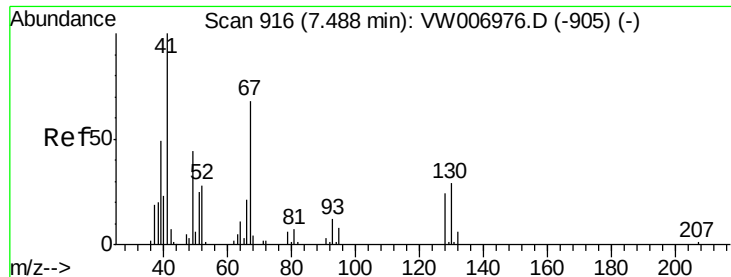
Tot Ion: 83 Resp: 46409
Ion Ratio Lower Upper
83 100
55 78.7 59.6 89.4
98 49.0 37.1 55.7



#40
Benzene
Concen: 22.413 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 78 Resp: 101110
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0

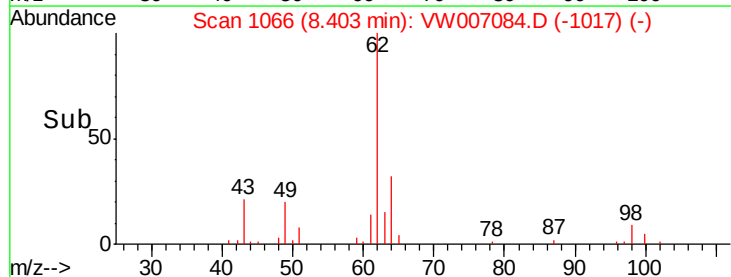
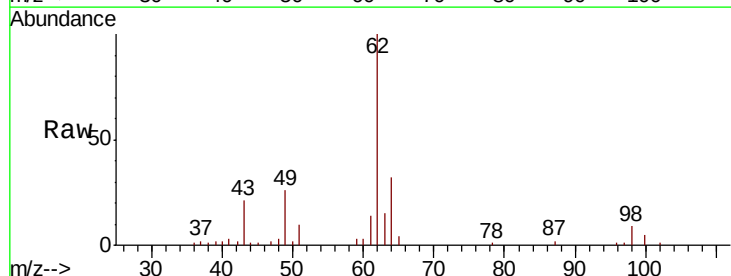
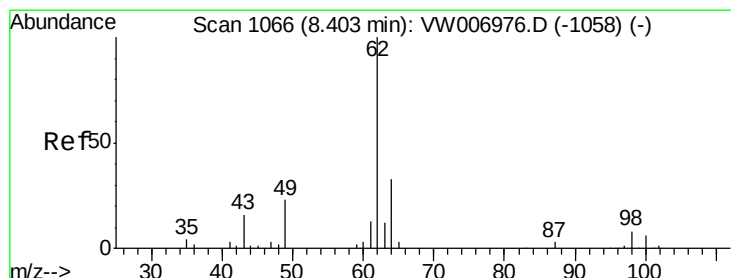
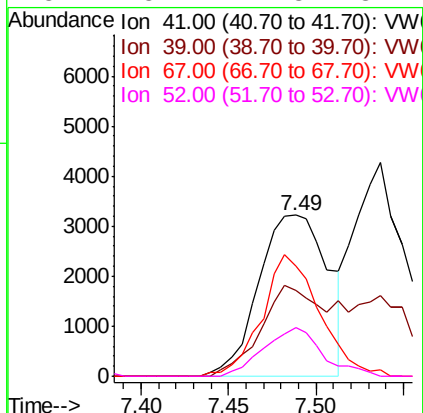




#41
Methacrylonitrile
Concen: 23.736 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

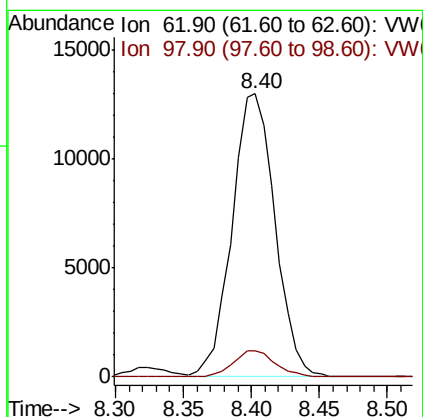
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

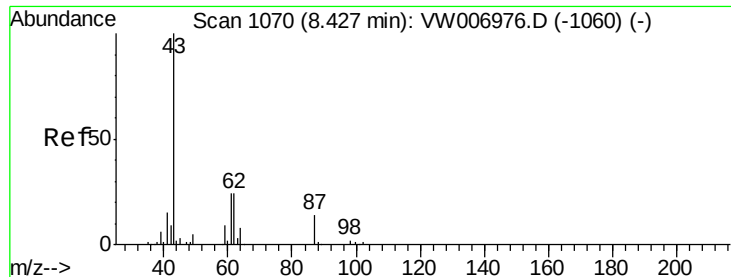
Tot Ion: 41 Resp: 8927
Ion Ratio Lower Upper
41 100
39 48.0 48.6 73.0#
67 62.5 59.8 89.8
52 25.7 24.8 37.2



#42
1,2-Dichloroethane
Concen: 21.908 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 62 Resp: 28694
Ion Ratio Lower Upper
62 100
98 9.0 0.0 18.6





#43

Isopropyl Acetate

Concen: 21.517 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

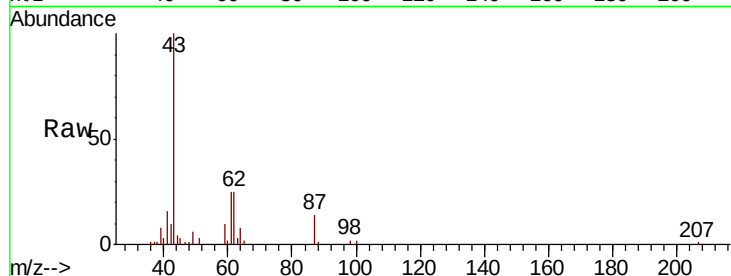
Tot Ion: 43 Resp: 24832

Ion Ratio Lower Upper

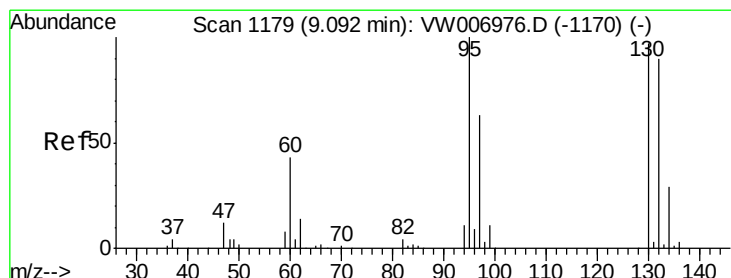
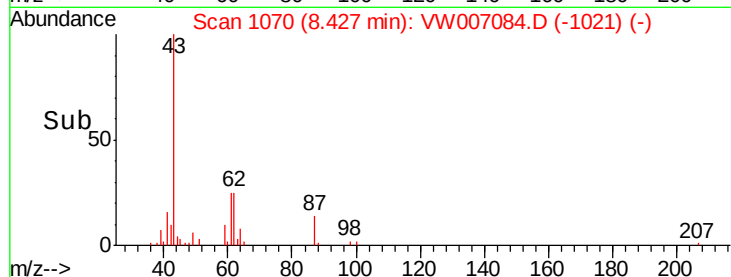
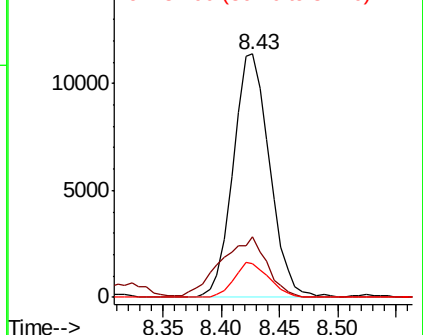
43 100

61 31.4 26.1 39.1

87 13.5 11.2 16.8



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: 23.622 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007084.D

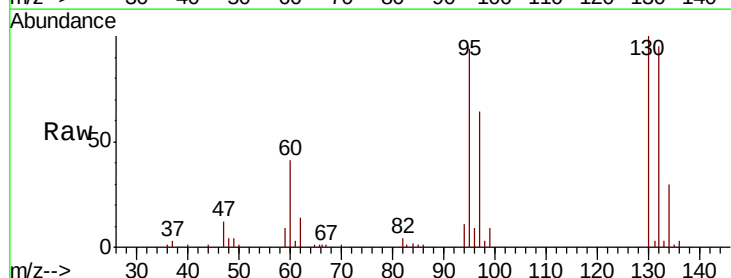
Acq: 27 Nov 2018 13:48

Tgt Ion: 130 Resp: 29873

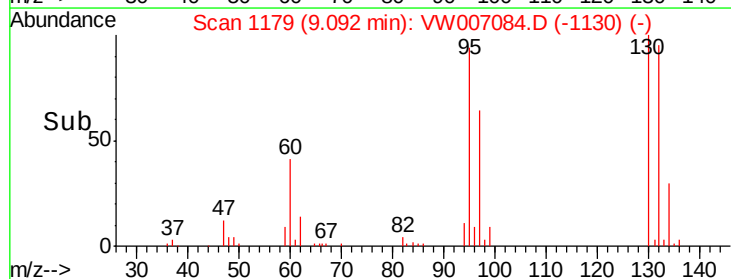
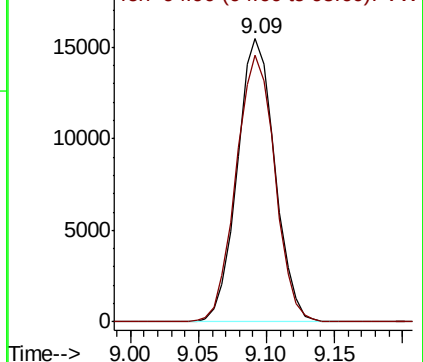
Ion Ratio Lower Upper

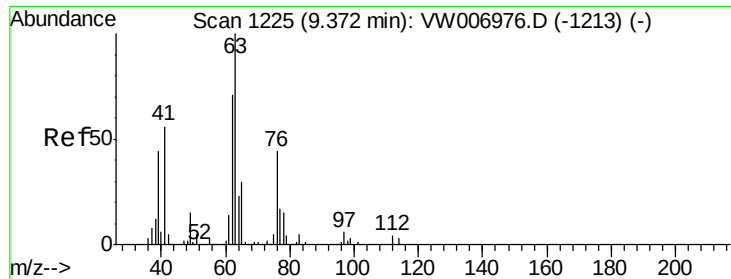
130 100

95 94.4 0.0 206.4



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





#45

1,2-Dichloropropane

Concen: 21.751 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

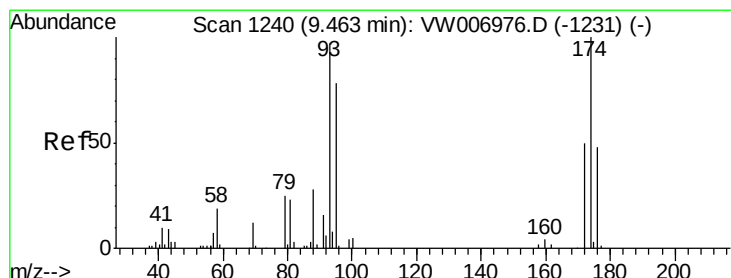
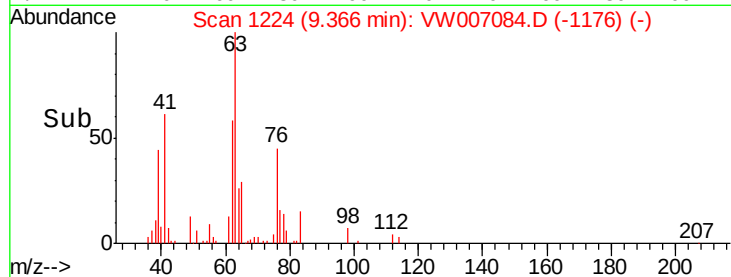
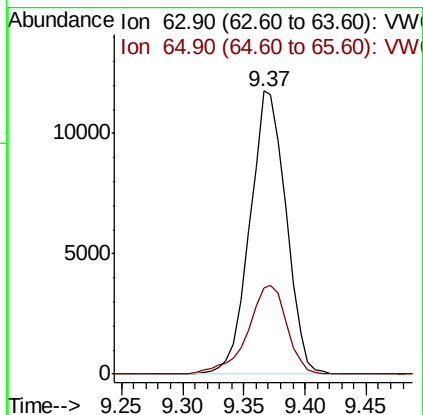
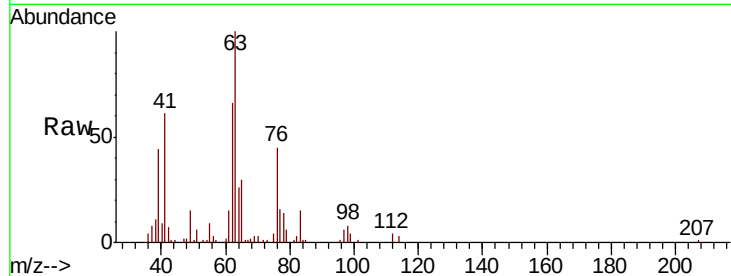
VW1127SBS01

Tot Ion: 63 Resp: 24188

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



#46

Dibromomethane

Concen: 21.209 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

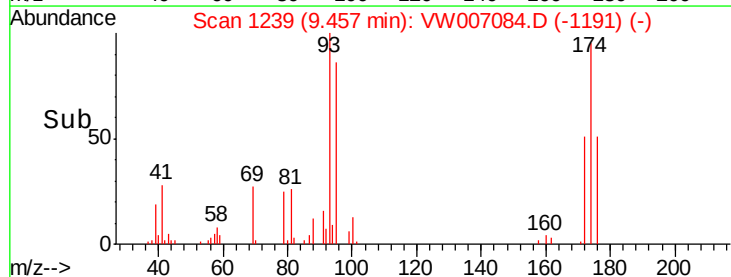
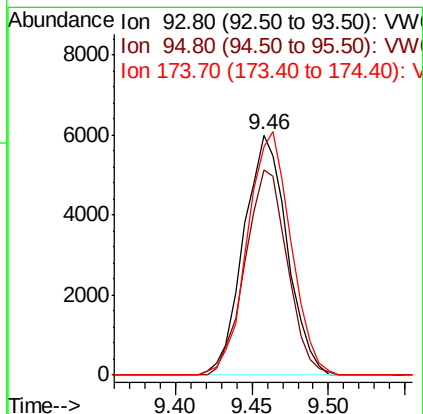
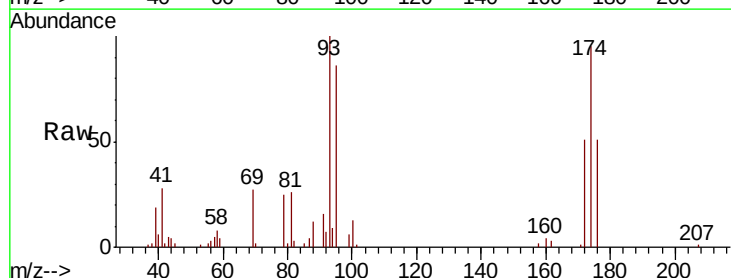
Tgt Ion: 93 Resp: 11811

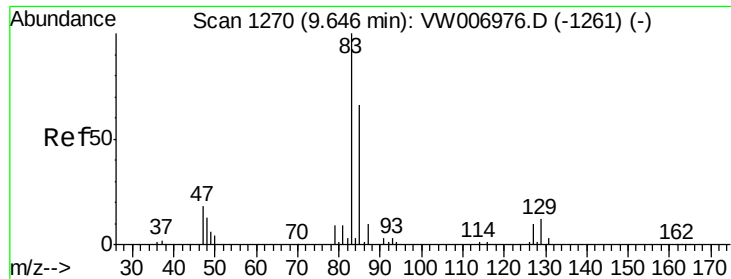
Ion Ratio Lower Upper

93 100

95 83.2 66.1 99.1

174 101.9 79.7 119.5





#47

Bromodichloromethane

Concen: 22.399 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

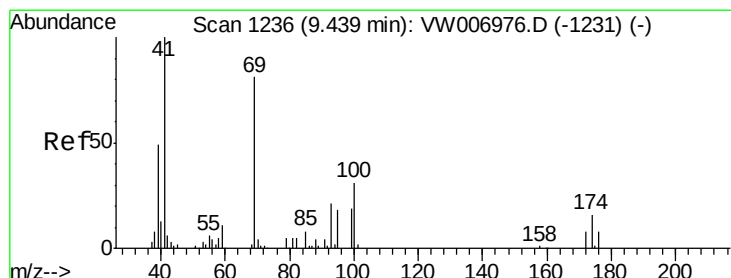
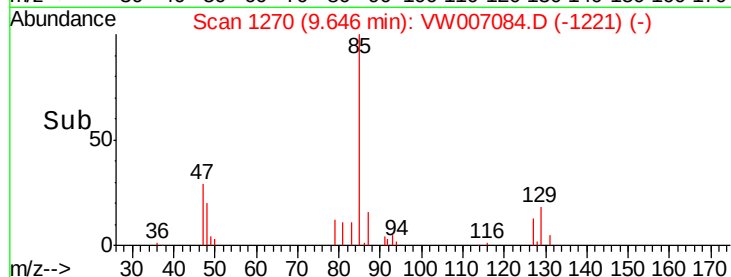
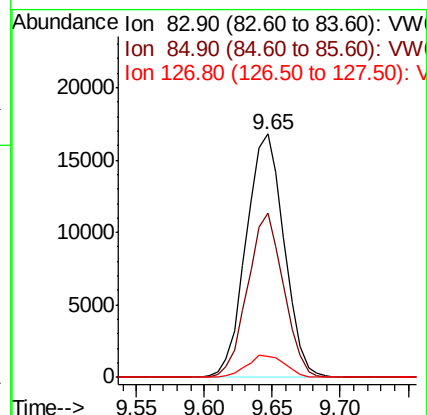
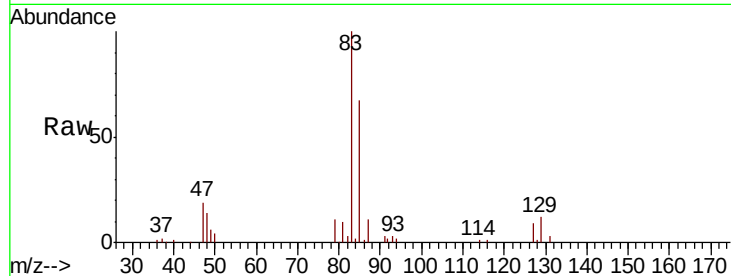
Tot Ion: 83 Resp: 32865

Ion Ratio Lower Upper

83 100

85 67.3 52.9 79.3

127 8.7 7.8 11.6



#48

Methyl methacrylate

Concen: 22.208 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

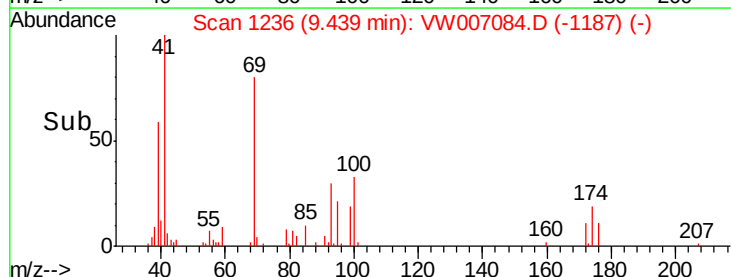
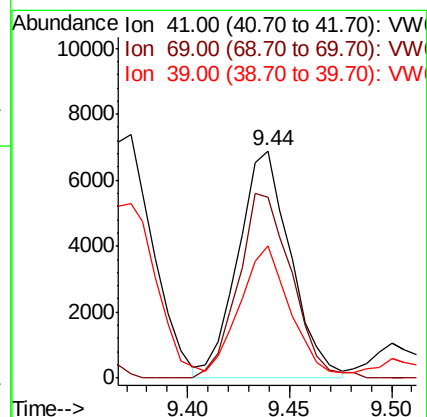
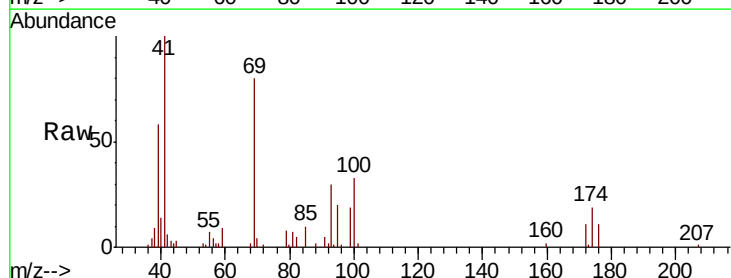
Tgt Ion: 41 Resp: 12358

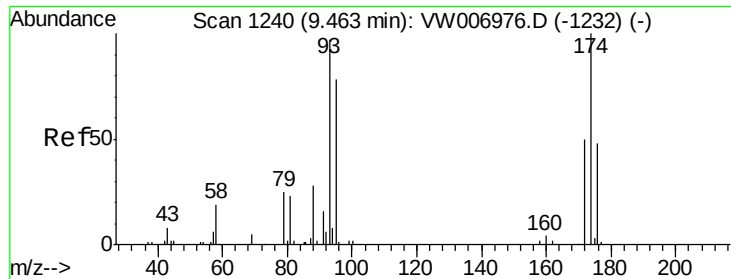
Ion Ratio Lower Upper

41 100

69 82.2 71.4 107.0

39 51.8 44.8 67.2





#49

1,4-Dioxane

Concen: 411.854 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

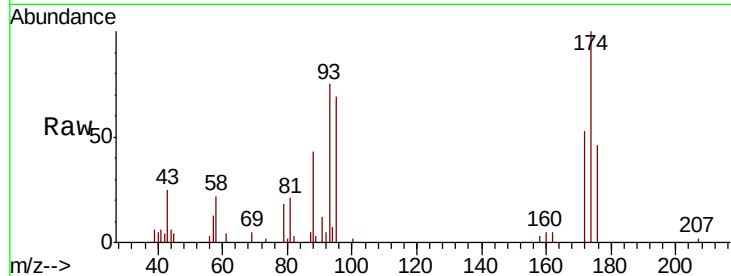
Tot Ion: 88 Resp: 3409

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

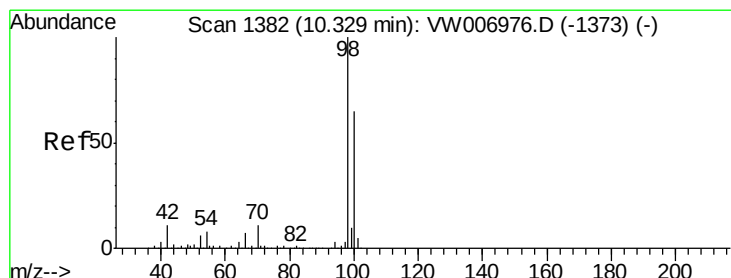
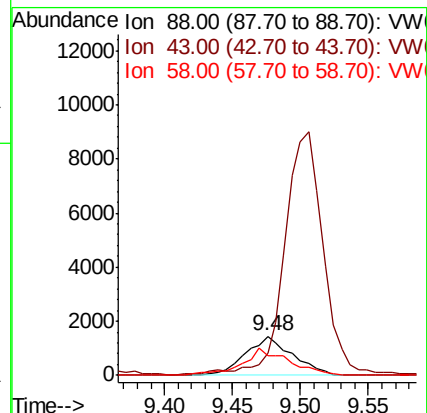
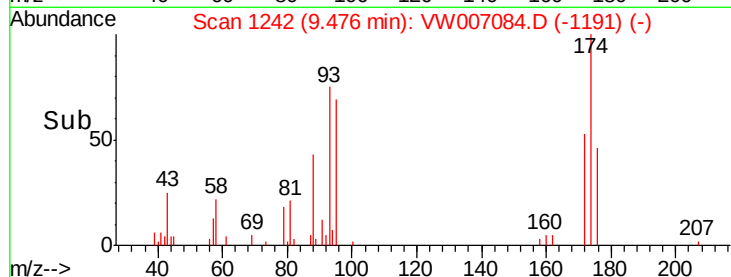
58 69.4 59.0 88.6



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: 51.447 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007084.D

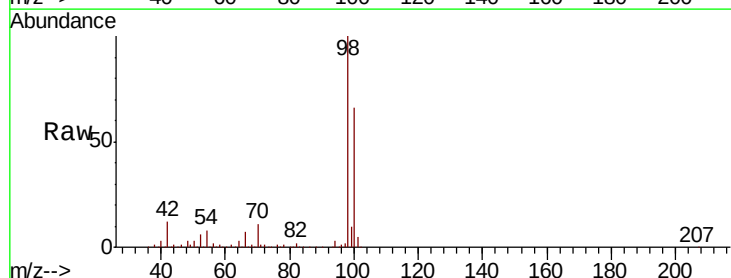
Acq: 27 Nov 2018 13:48

Tgt Ion: 98 Resp: 219414

Ion Ratio Lower Upper

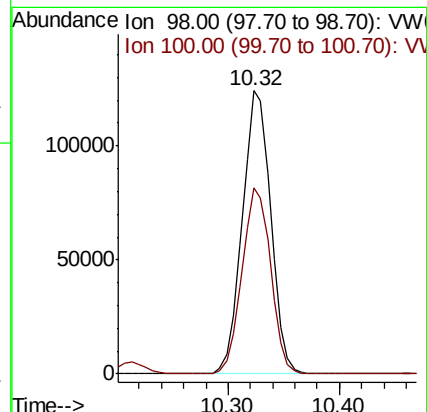
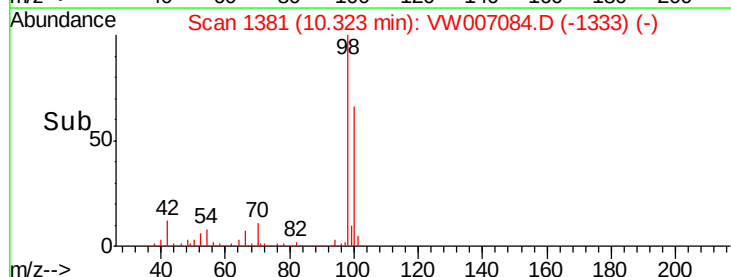
98 100

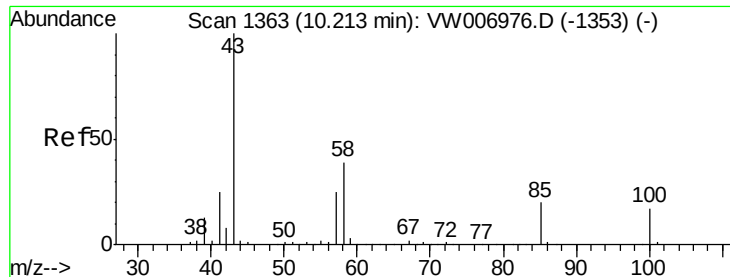
100 66.2 52.2 78.2



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: 95.317 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

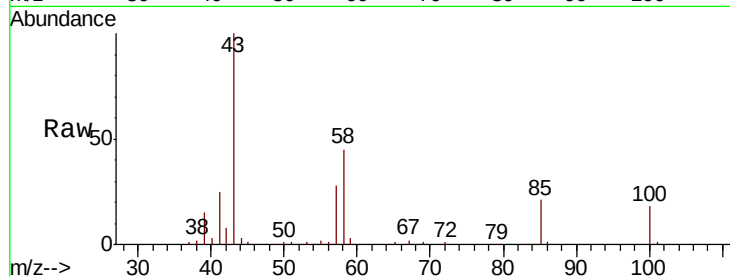
VW1127SBS01

Tot Ion: 43 Resp: 55591

Ion Ratio Lower Upper

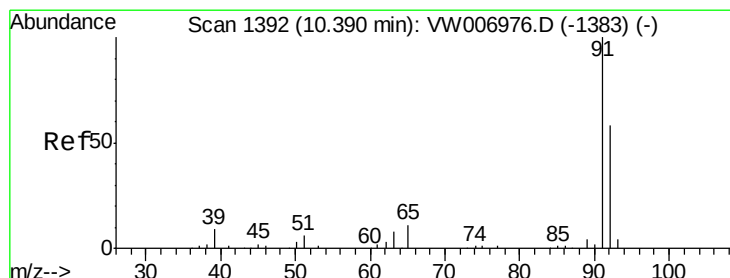
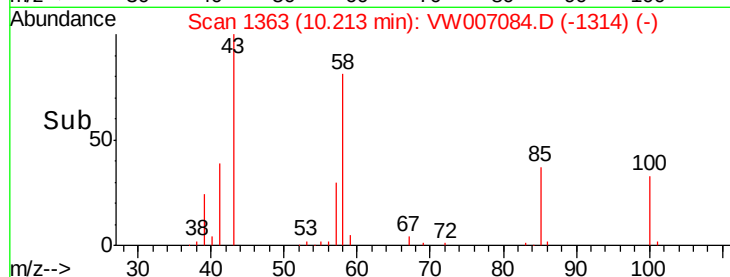
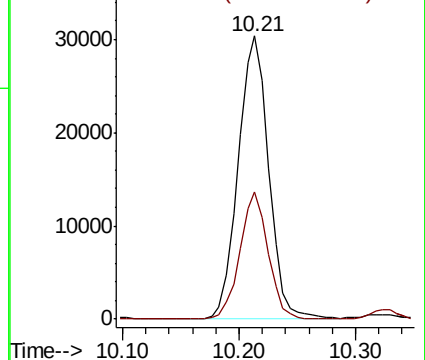
43 100

58 41.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.383 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007084.D

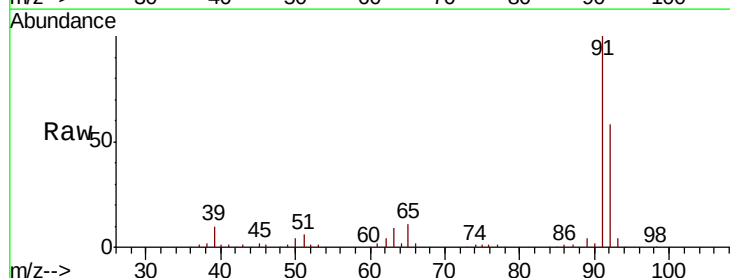
Acq: 27 Nov 2018 13:48

Tgt Ion: 92 Resp: 65649

Ion Ratio Lower Upper

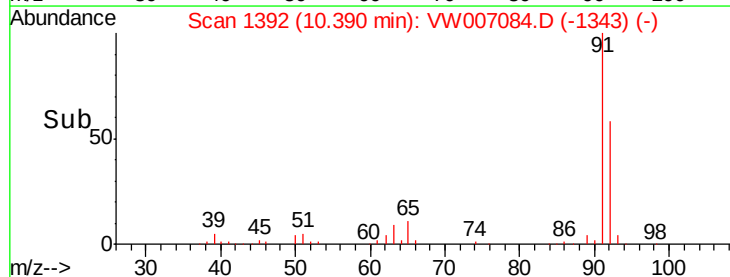
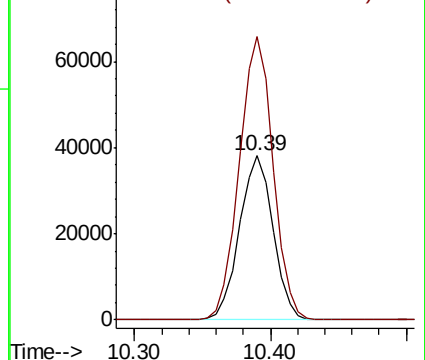
92 100

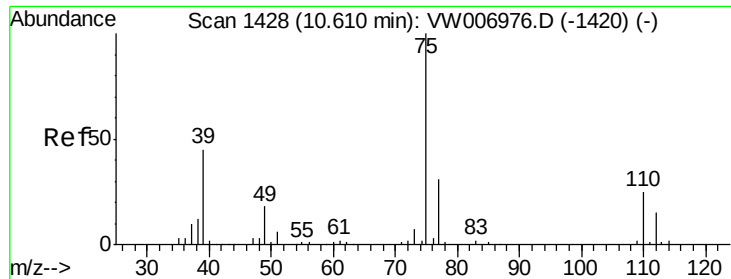
91 173.6 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 22.602 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

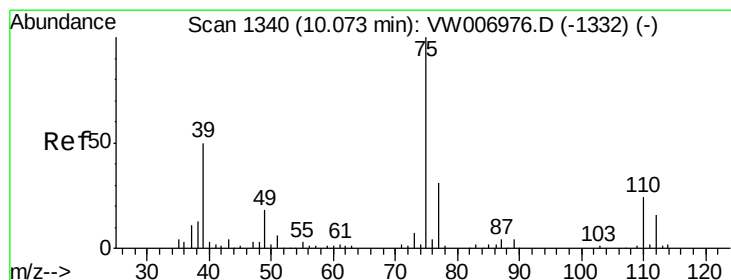
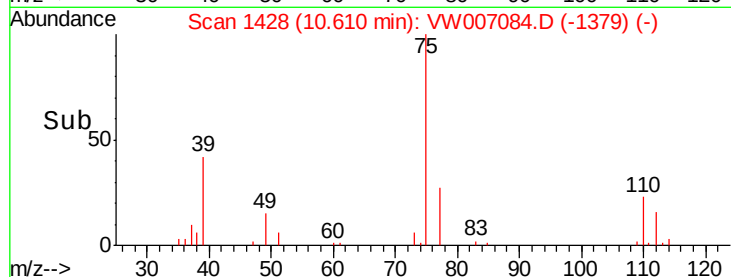
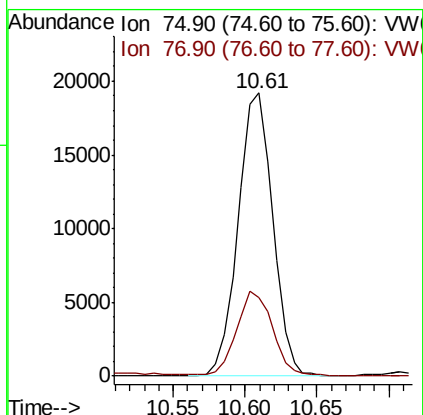
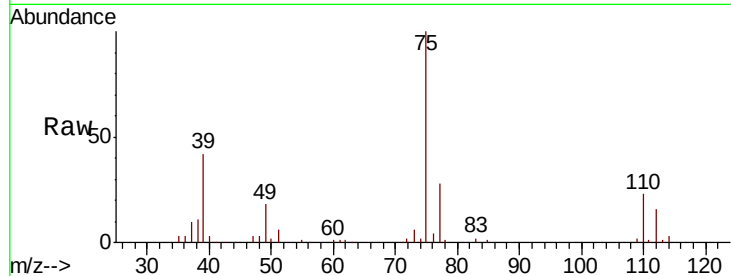
VW1127SBS01

Tot Ion: 75 Resp: 32125

Ion Ratio Lower Upper

75 100

77 27.7 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 21.998 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

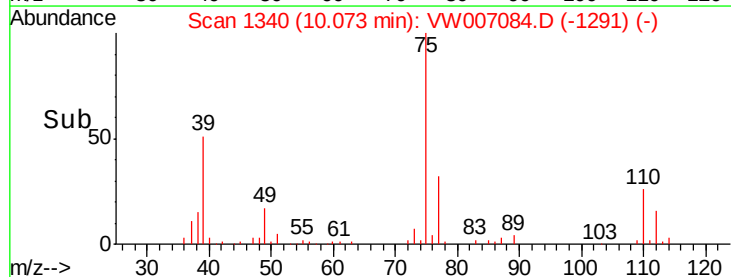
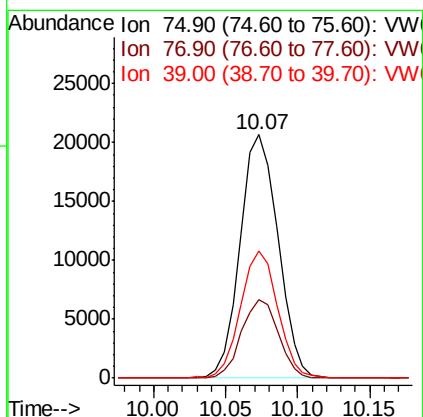
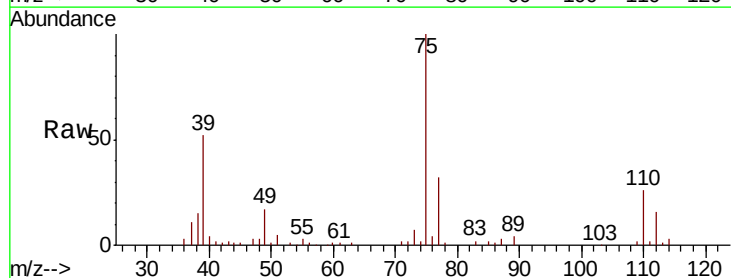
Tgt Ion: 75 Resp: 37775

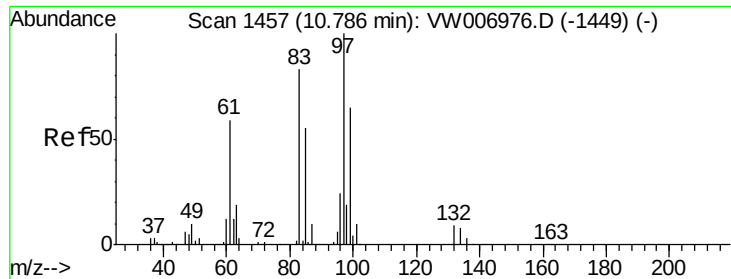
Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.6

39 52.1 39.9 59.9

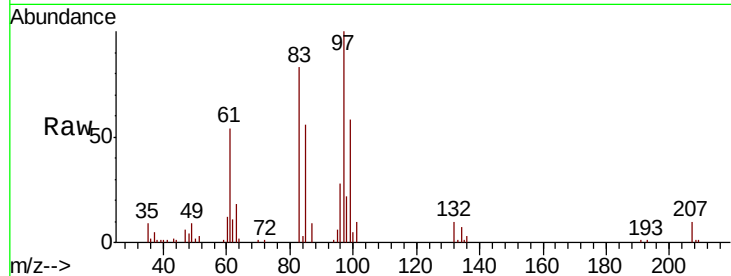




#55
 1,1,2-Trichloroethane
 Concen: 22.538 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

Tot Ion:	97	Resp:	18466
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.4	99.6
85	55.8	44.1	66.1
99	57.8	51.7	77.5



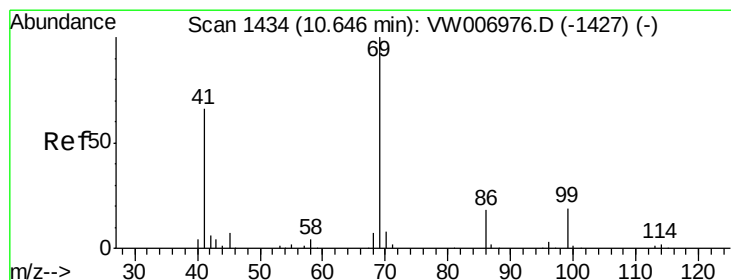
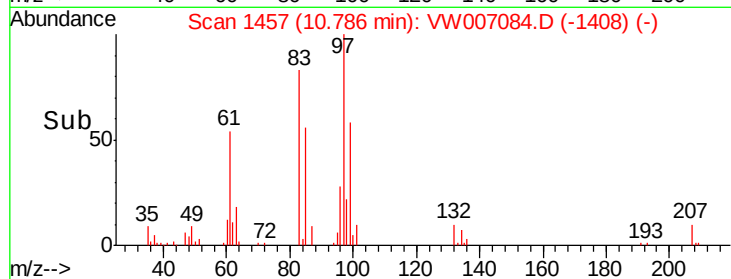
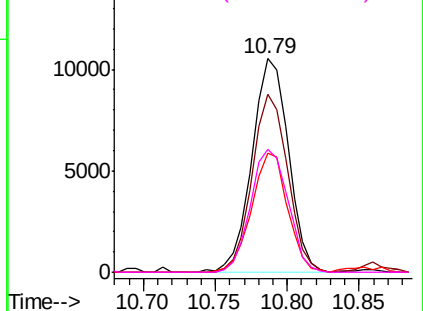
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

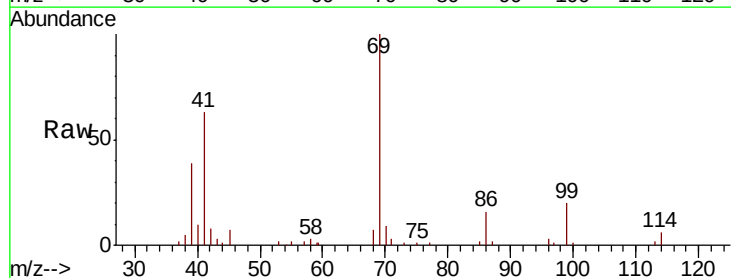
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 20.917 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion:	69	Resp:	19894
Ion	Ratio	Lower	Upper
69	100		
41	67.0	53.4	80.0
39	35.2	28.2	42.4

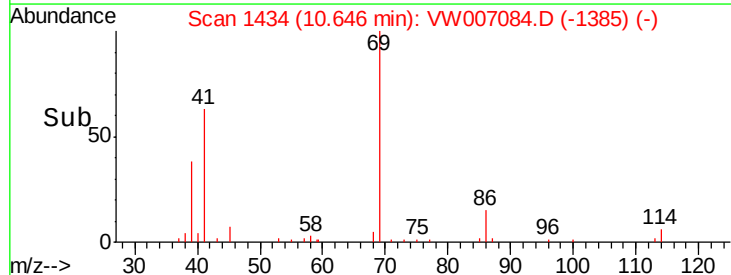
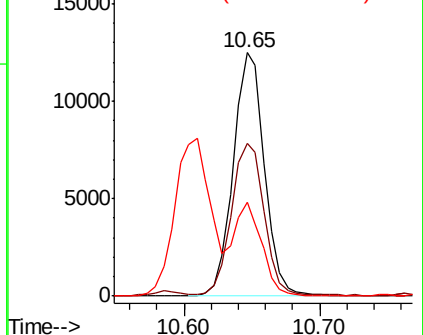


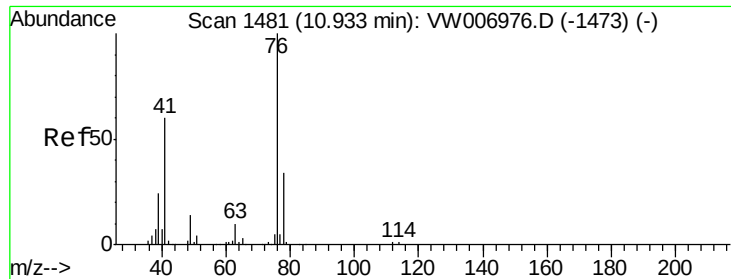
Abundance

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

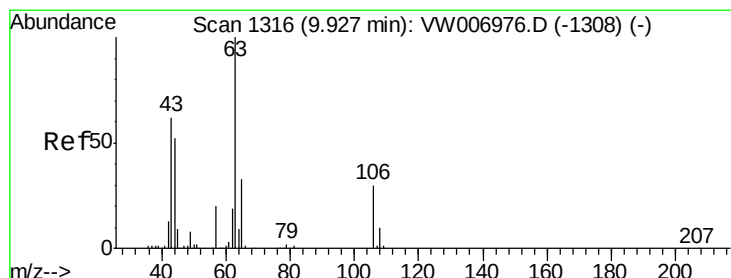
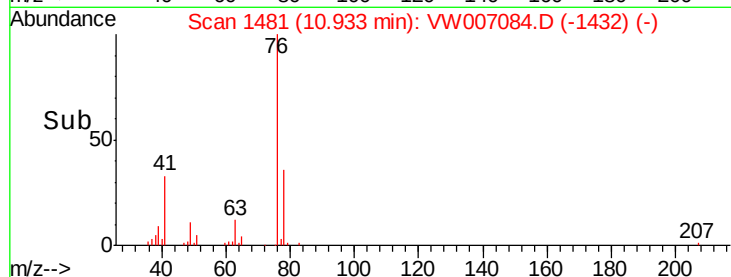
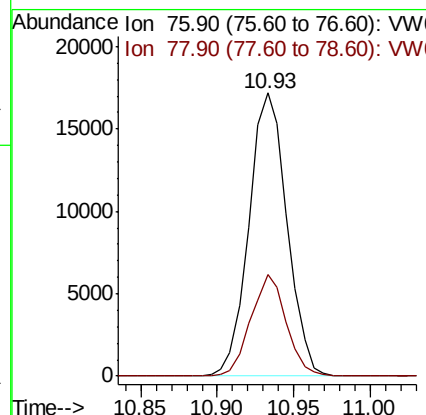
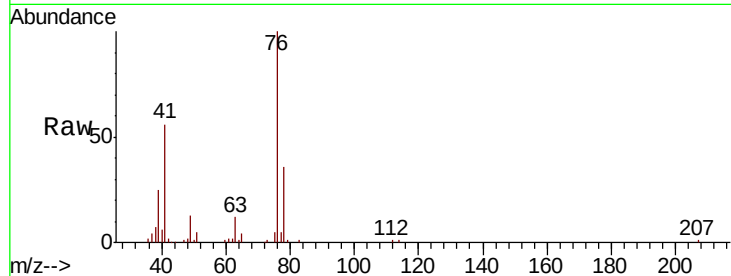




#57
 1,3-Dichloropropane
 Concen: 21.608 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

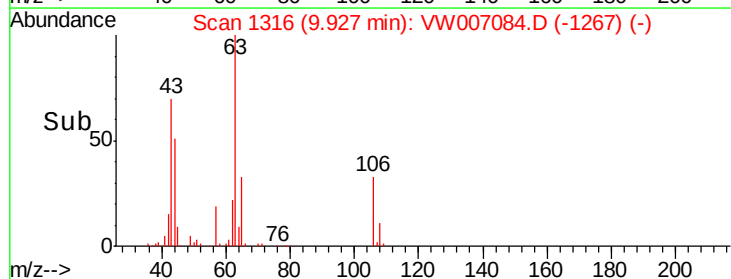
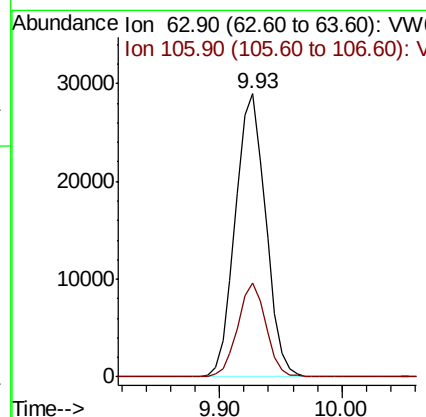
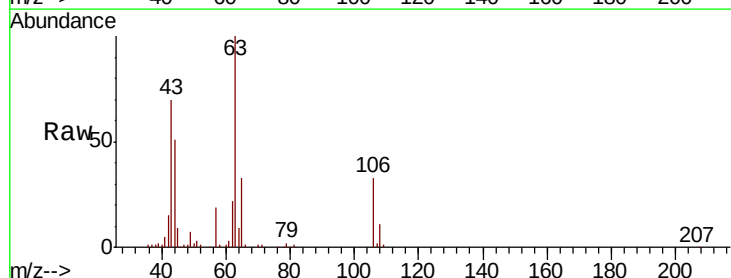
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

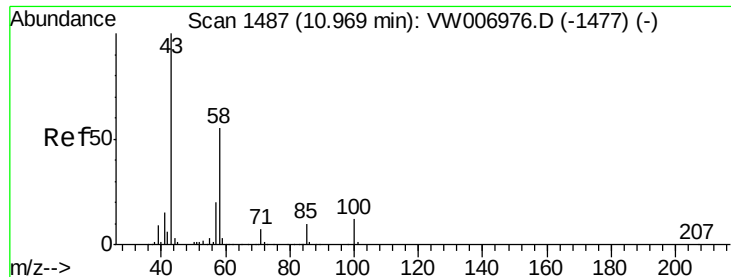
Tot Ion: 76 Resp: 29669
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.230 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 63 Resp: 49813
 Ion Ratio Lower Upper
 63 100
 106 30.9 23.5 35.3

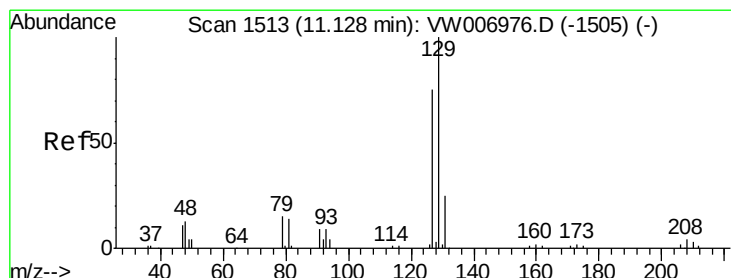
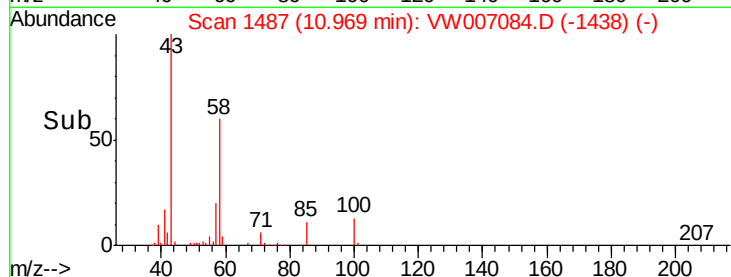
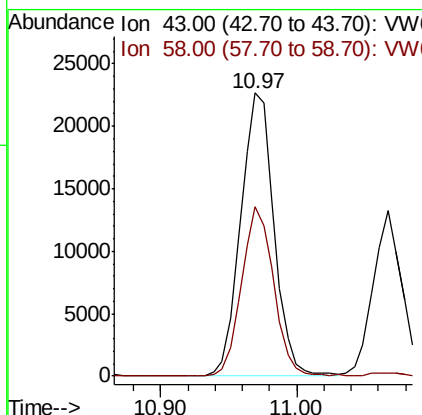
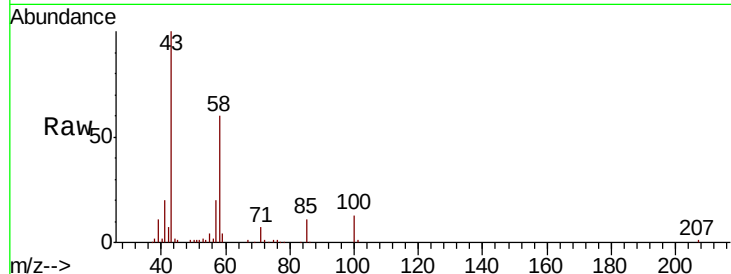




#59
2-Hexanone
Concen: 97.271 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

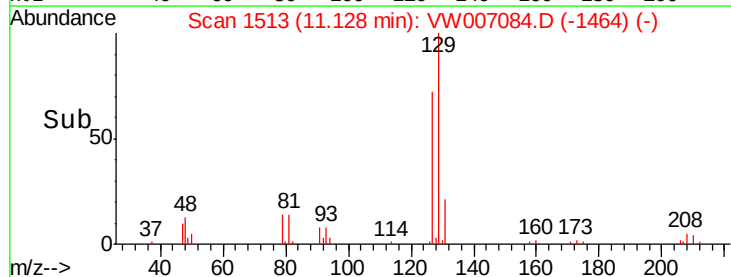
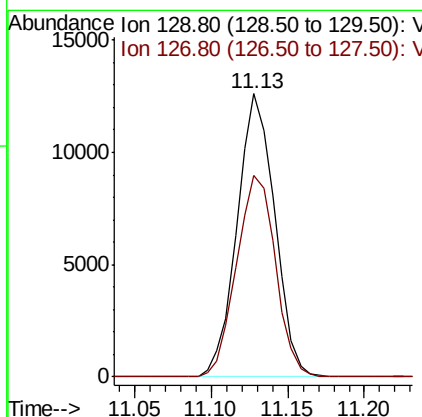
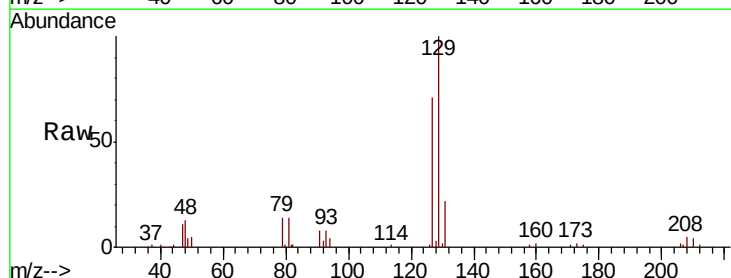
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

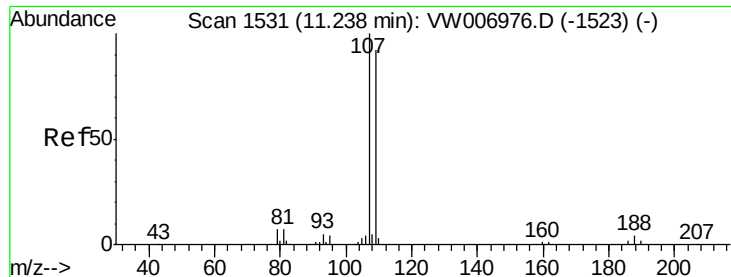
Tot Ion: 43 Resp: 38849
Ion Ratio Lower Upper
43 100
58 57.5 27.3 81.8



#60
Dibromochloromethane
Concen: 23.053 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 129 Resp: 21523
Ion Ratio Lower Upper
129 100
127 73.8 38.3 114.8

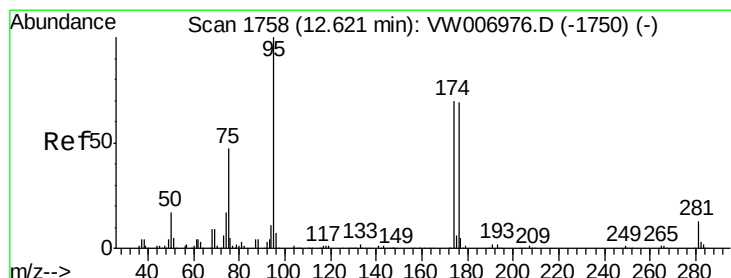
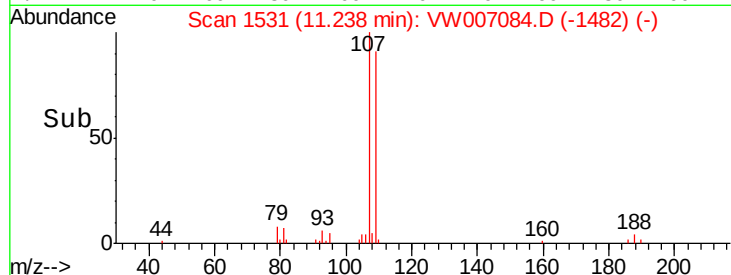
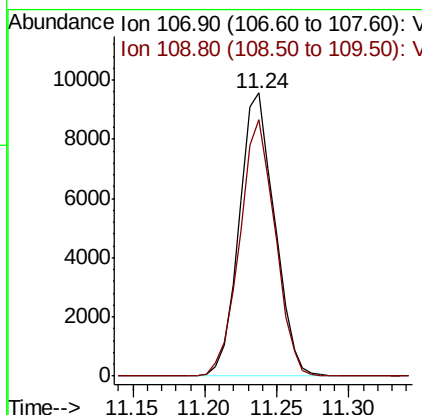
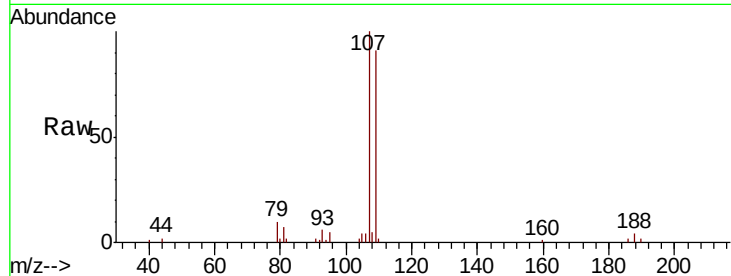




#61
 1,2-Dibromoethane
 Concen: 21.751 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

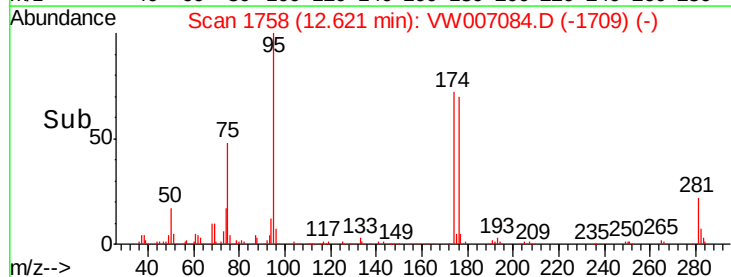
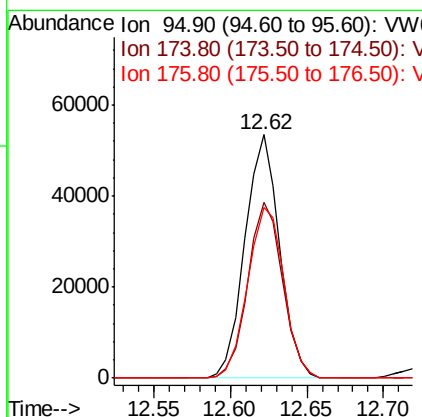
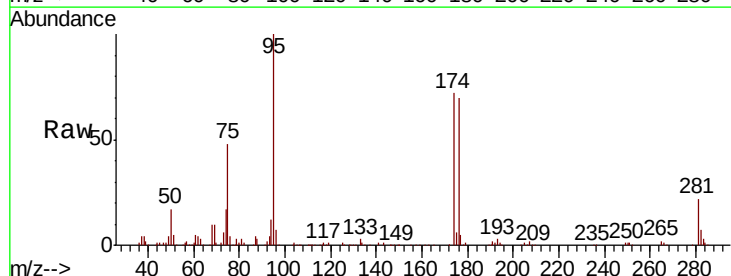
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

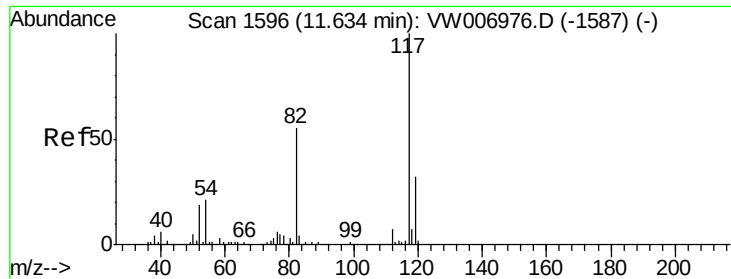
Tot Ion:107 Resp: 16303
 Ion Ratio Lower Upper
 107 100
 109 90.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.045 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 95 Resp: 83990
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 143.6
 176 73.8 0.0 140.4

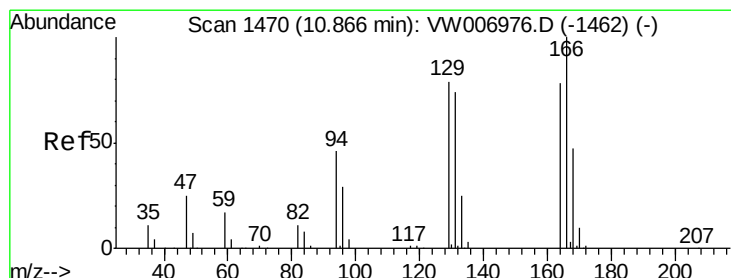
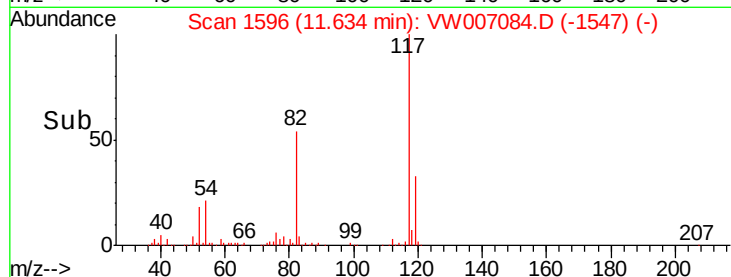
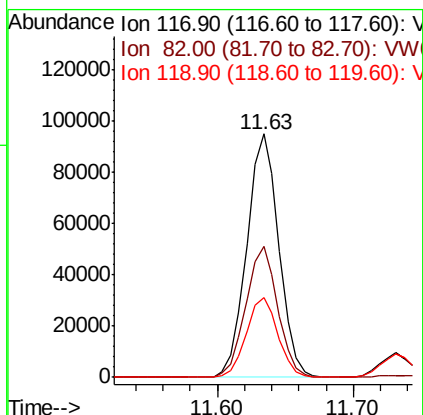
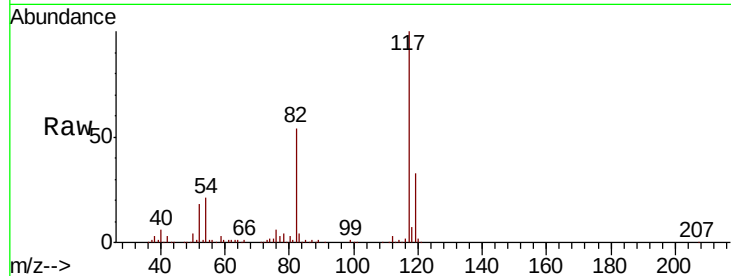




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

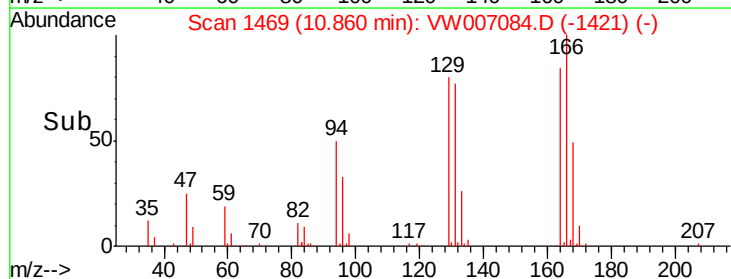
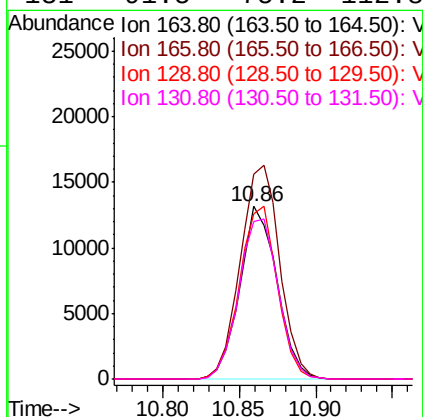
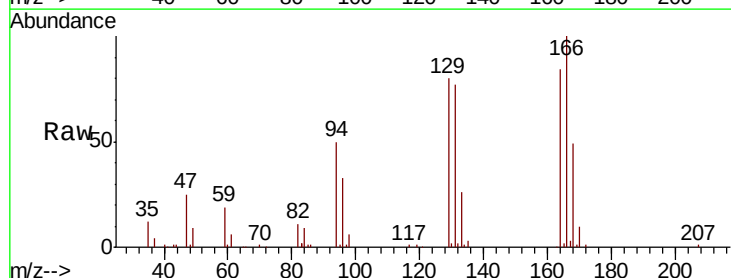
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

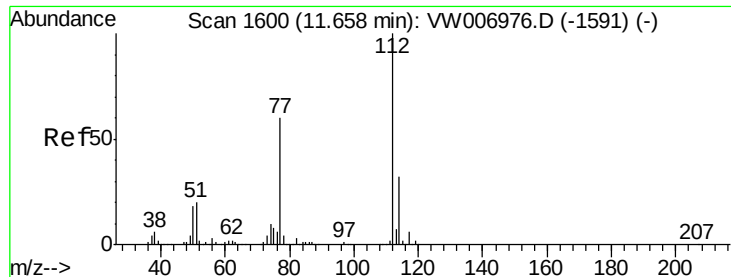
Tot Ion:117 Resp: 156204
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.6 25.9 38.9



#64
Tetrachloroethene
Concen: 22.140 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:164 Resp: 22248
Ion Ratio Lower Upper
164 100
166 119.0 102.1 153.1
129 95.5 80.4 120.6
131 91.5 75.2 112.8

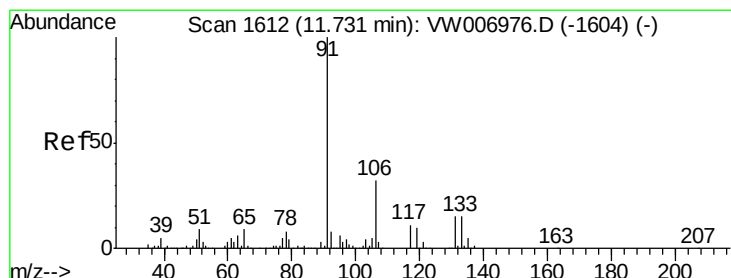
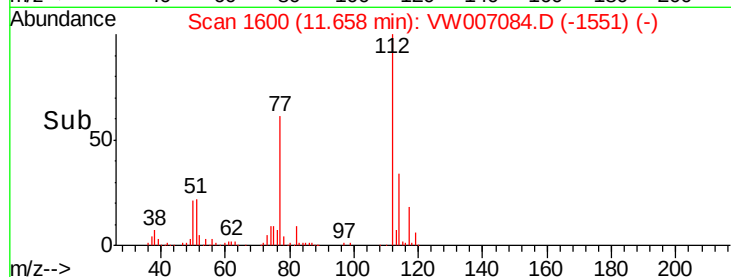
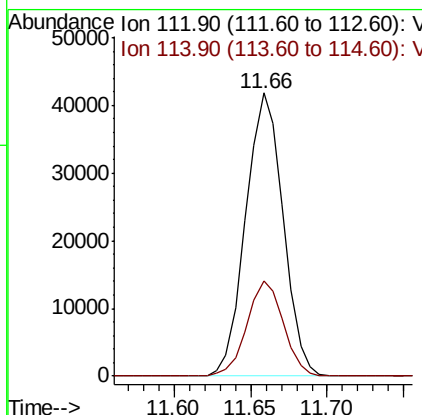
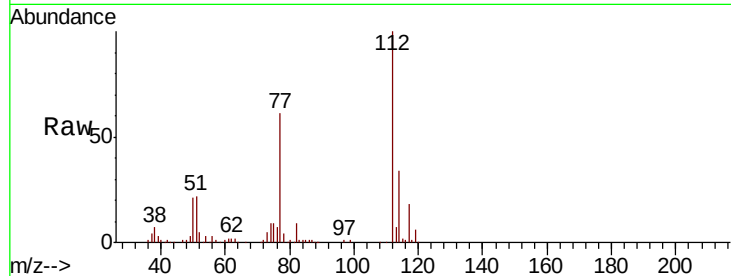




#65
Chlorobenzene
Concen: 21.850 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

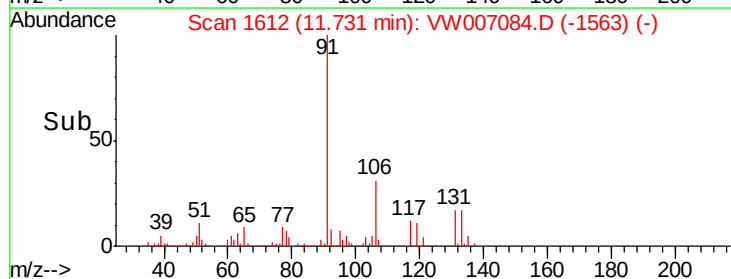
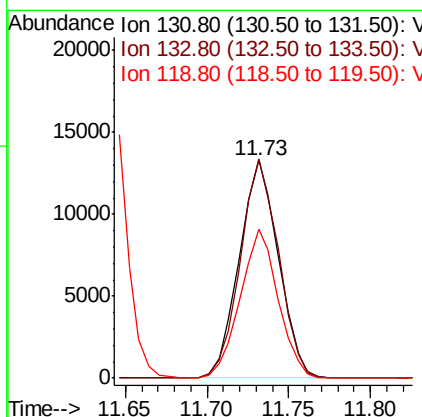
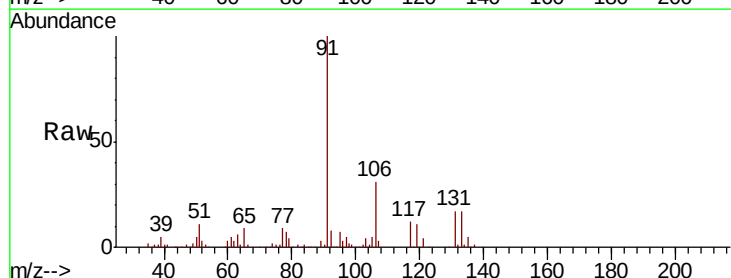
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

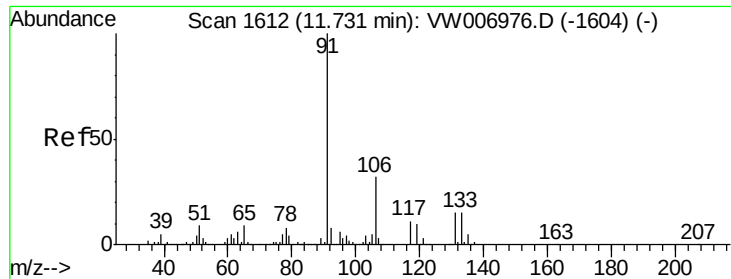
Tot Ion:112 Resp: 71236
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.546 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:131 Resp: 22236
Ion Ratio Lower Upper
131 100
133 98.5 47.7 143.1
119 66.4 31.8 95.3

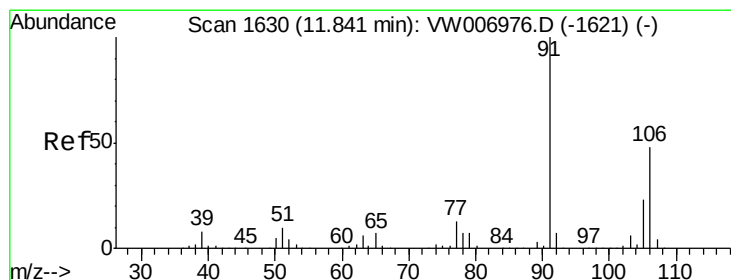
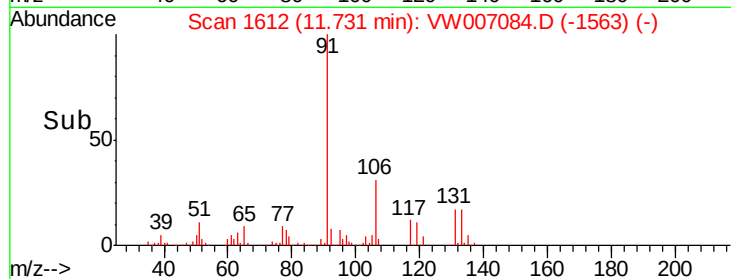
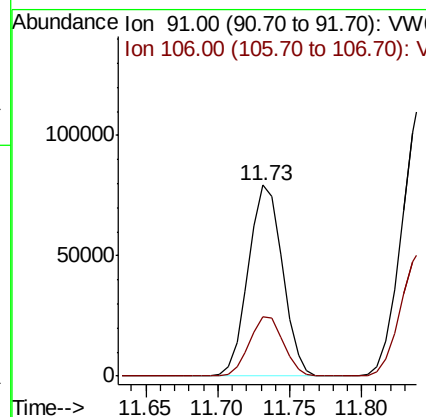
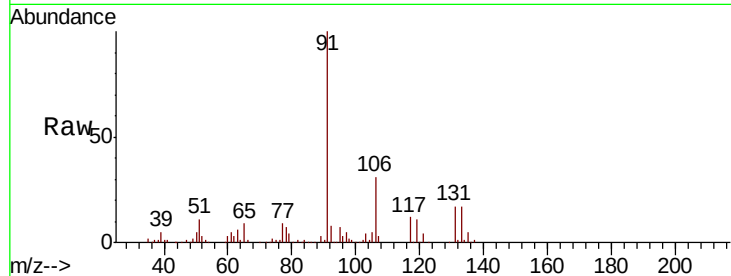




#67
Ethyl Benzene
Concen: 21.790 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

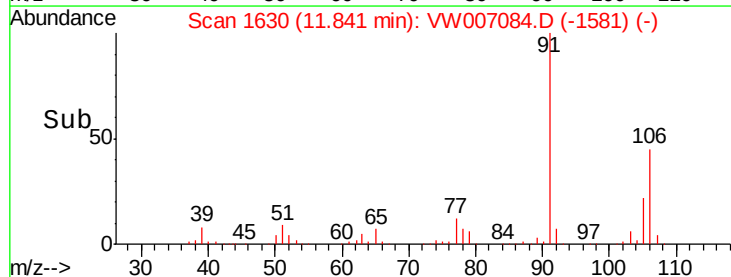
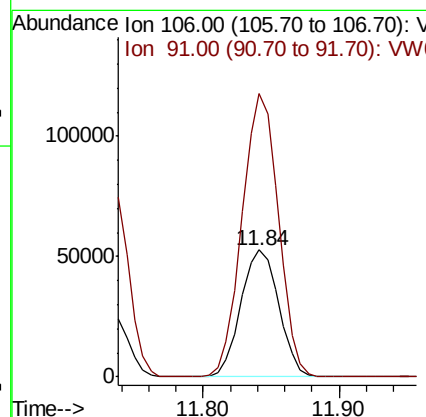
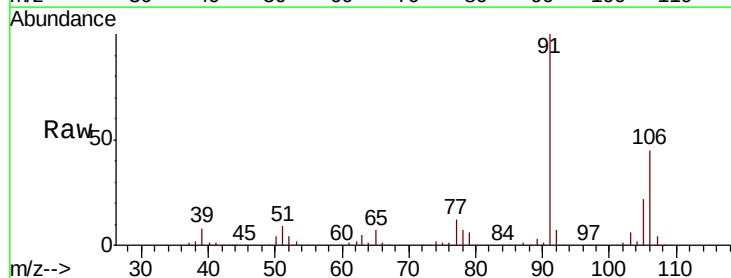
Instrument :
MSVOA_W
ClientSampled :
VW1127SBS01

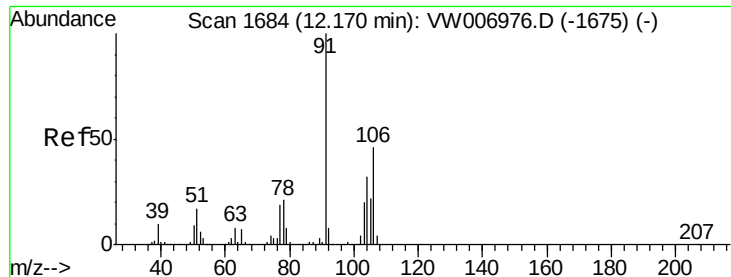
Tot Ion: 91 Resp: 130503
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 43.912 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:106 Resp: 103183
Ion Ratio Lower Upper
106 100
91 214.0 164.8 247.2

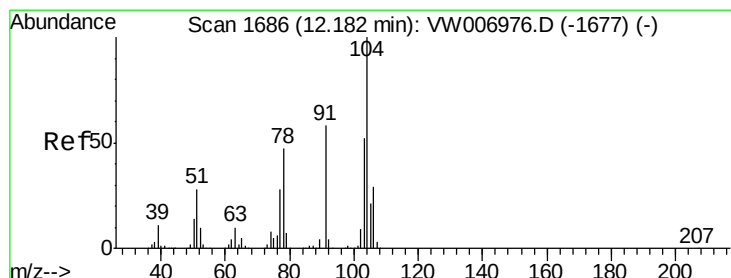
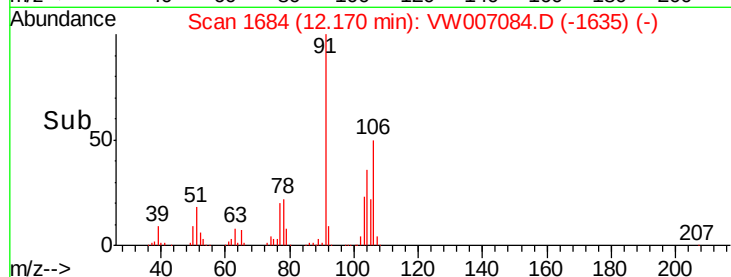
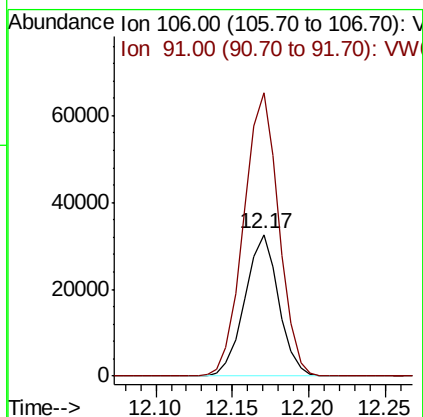
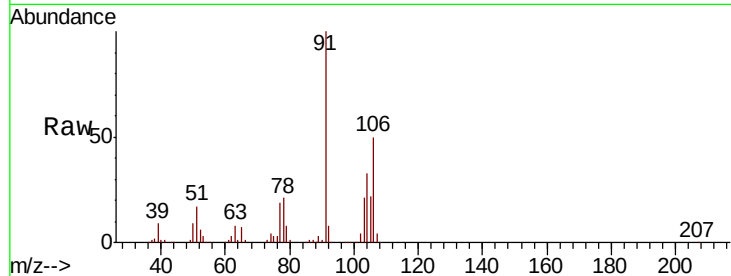




#69
o-Xylene
Concen: 22.514 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

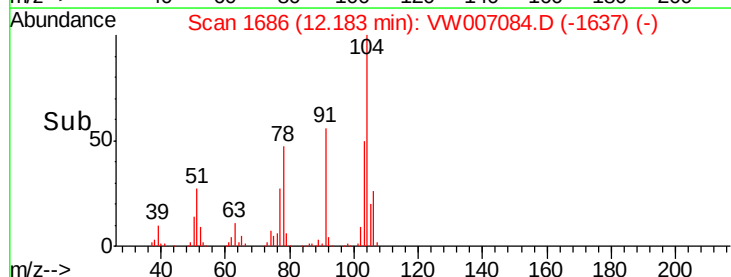
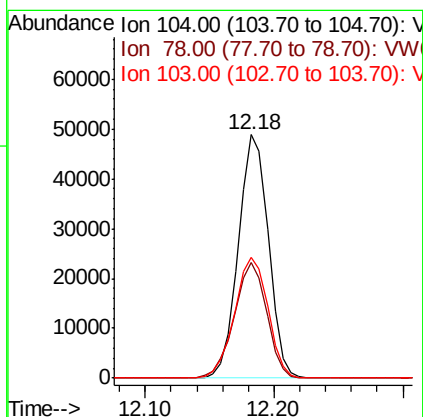
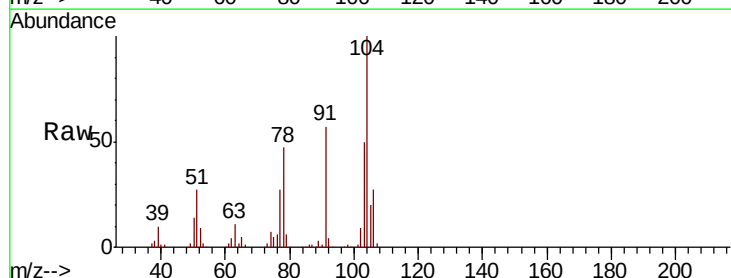
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

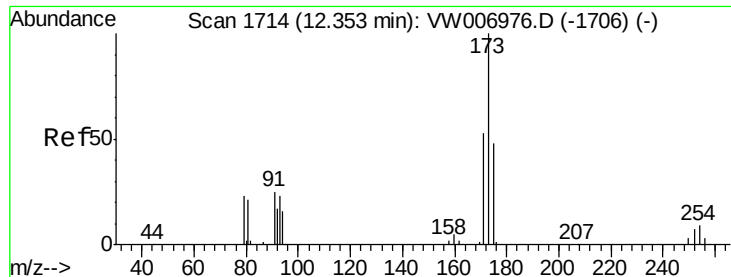
Tot Ion:106 Resp: 49882
Ion Ratio Lower Upper
106 100
91 208.2 107.9 323.8



#70
Styrene
Concen: 22.328 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:104 Resp: 78736
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.8
103 55.3 44.4 66.6





#71

Bromoform

Concen: 22.975 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

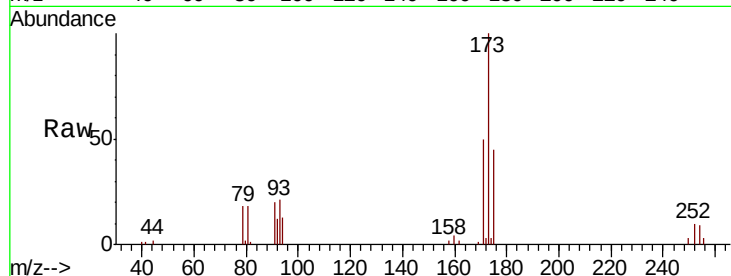
Tot Ion:173 Resp: 10674

Ion Ratio Lower Upper

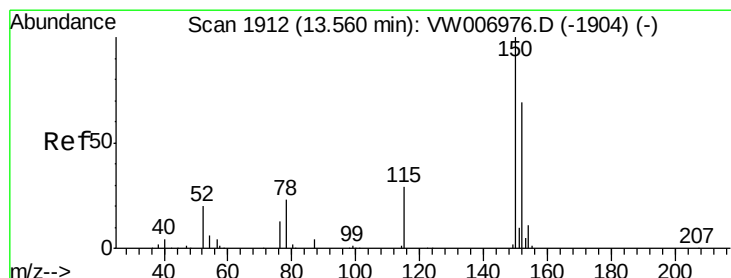
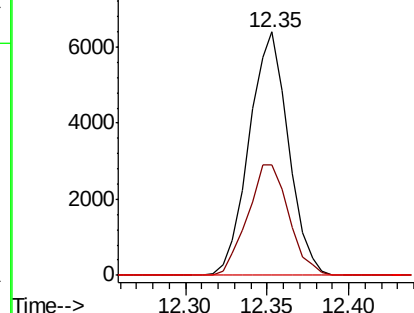
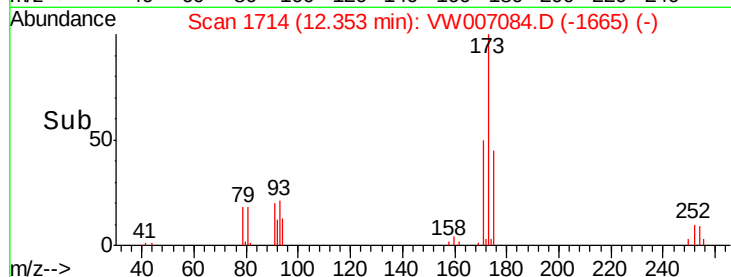
173 100

175 47.8 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

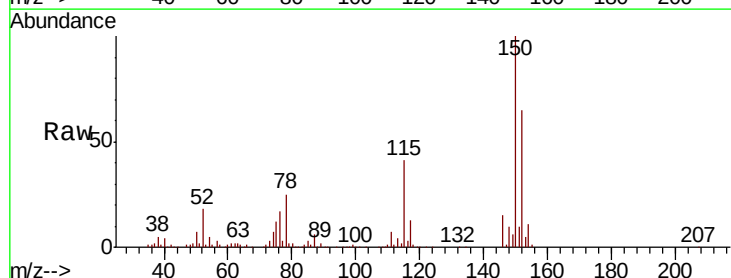
Tgt Ion:152 Resp: 76773

Ion Ratio Lower Upper

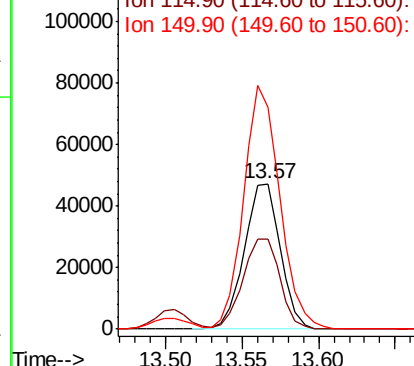
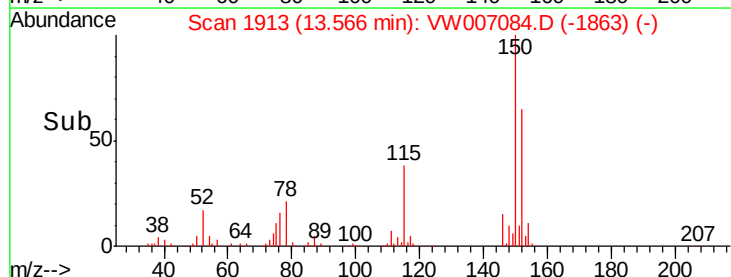
152 100

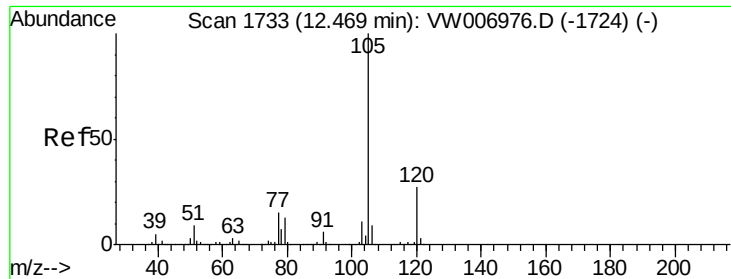
115 64.0 31.4 94.2

150 168.8 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

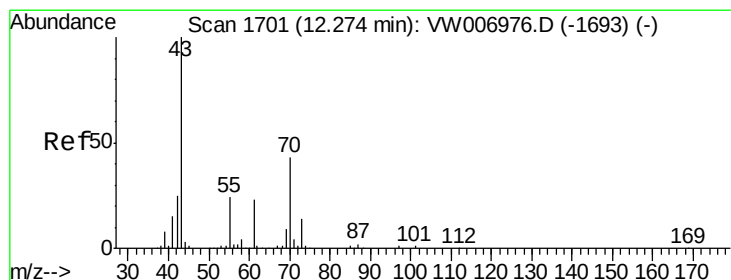
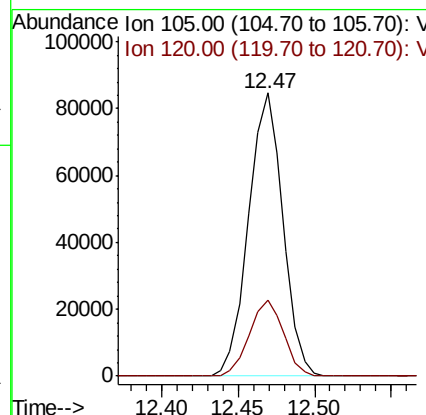
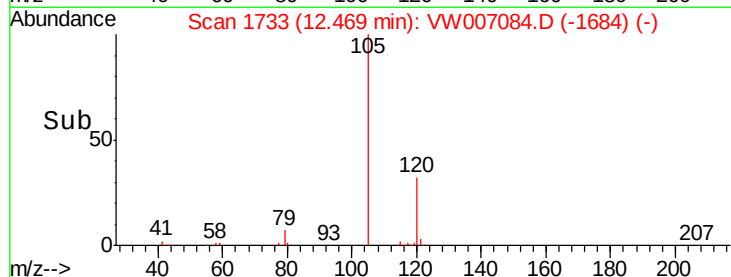
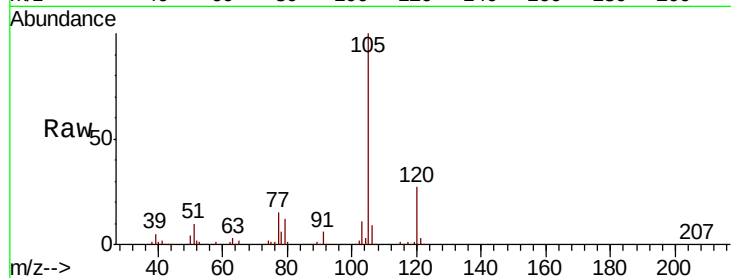




#73
Isopropylbenzene
Concen: 22.179 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

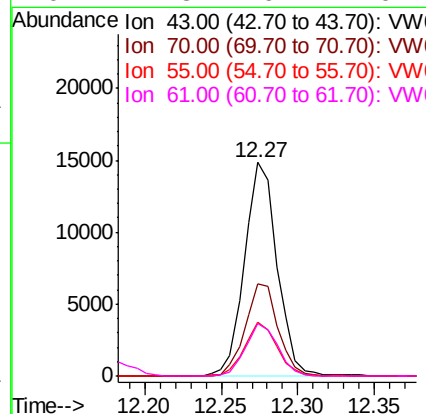
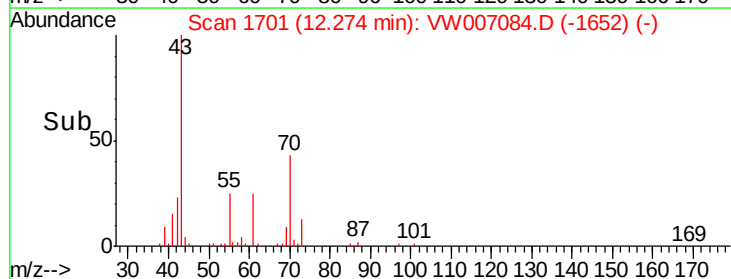
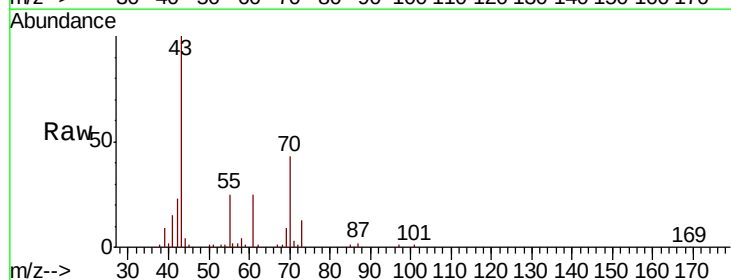
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

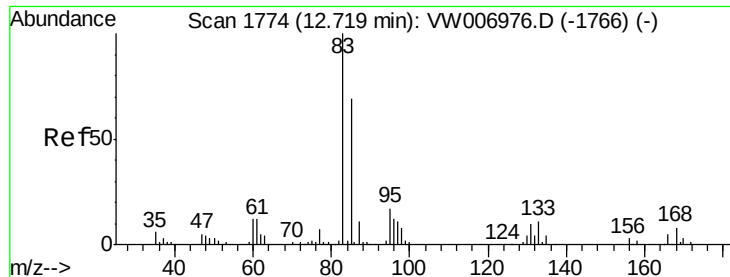
Tot Ion:105 Resp: 132335
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.8



#74
N-ethyl acetate
Concen: 21.938 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 43 Resp: 21938
Ion Ratio Lower Upper
43 100
70 43.4 34.0 51.0
55 25.1 19.4 29.0
61 24.3 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.938 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

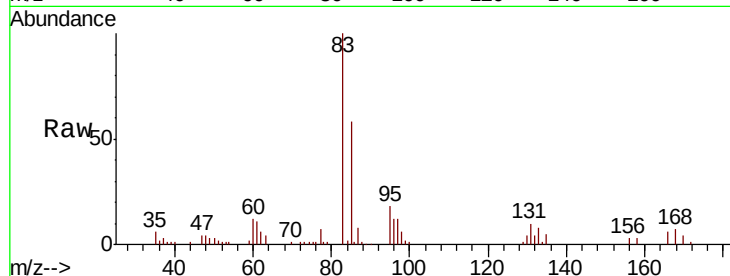
Tot Ion: 83 Resp: 17420

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.1

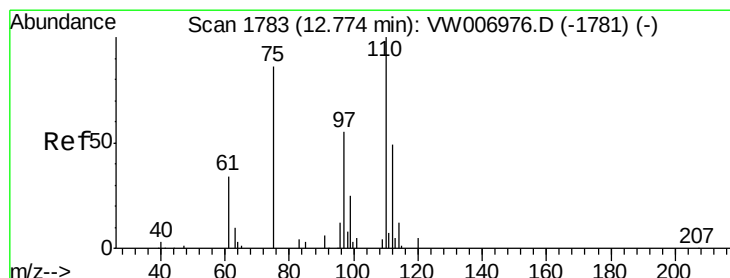
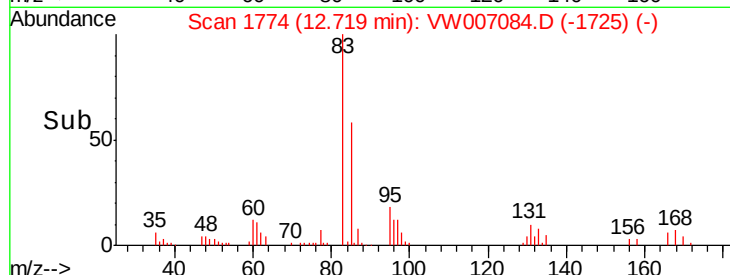
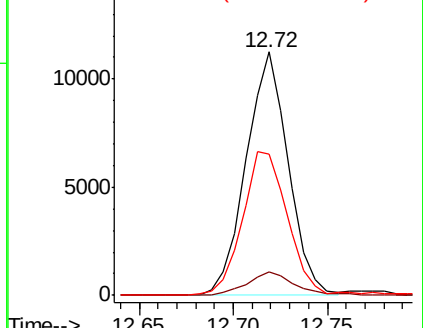
85 64.0 33.1 99.2



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: 38.526 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007084.D

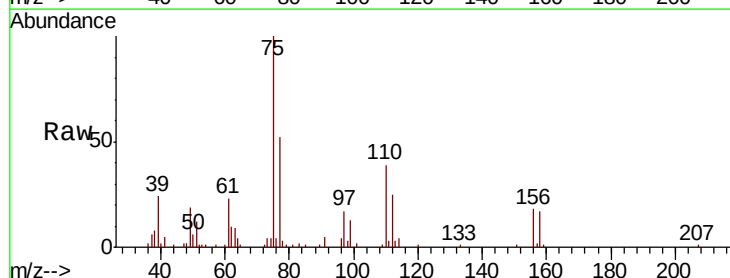
Acq: 27 Nov 2018 13:48

Tgt Ion: 75 Resp: 23242

Ion Ratio Lower Upper

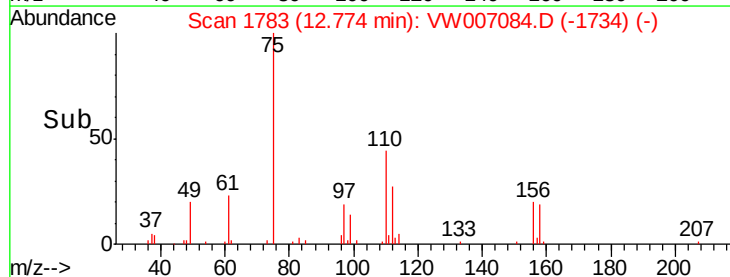
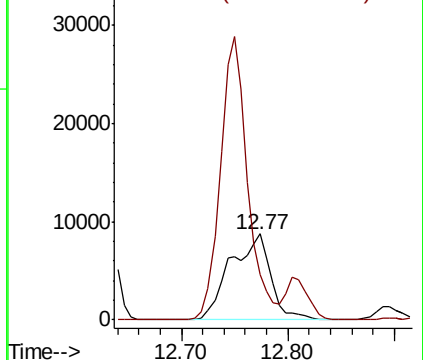
75 100

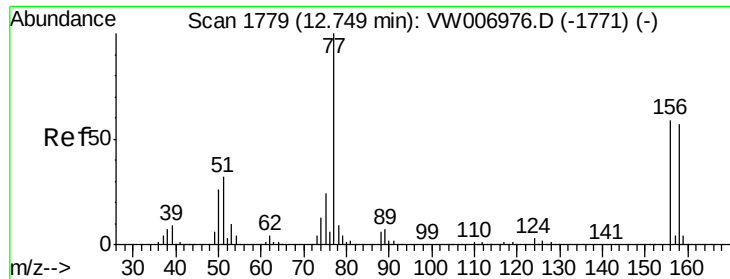
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.781 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

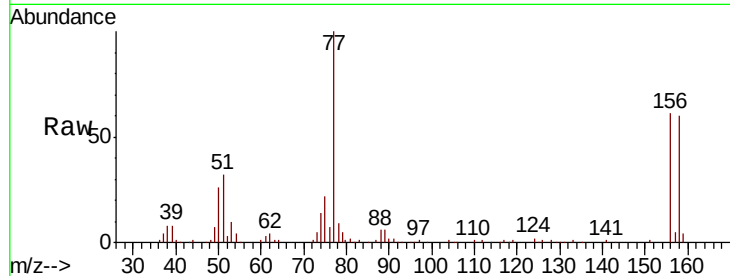
Tot Ion:156 Resp: 29195

Ion Ratio Lower Upper

156 100

77 176.4 94.6 283.8

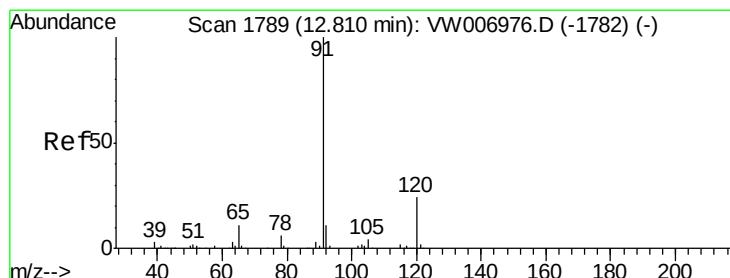
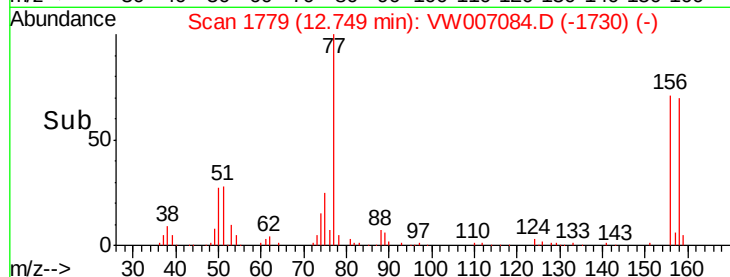
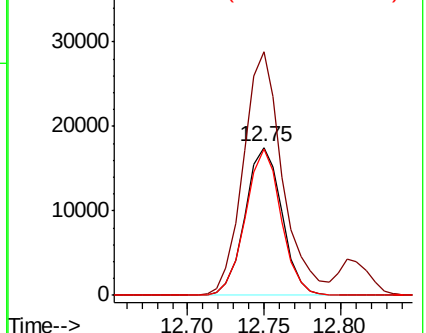
158 95.7 48.9 146.7



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: 22.277 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007084.D

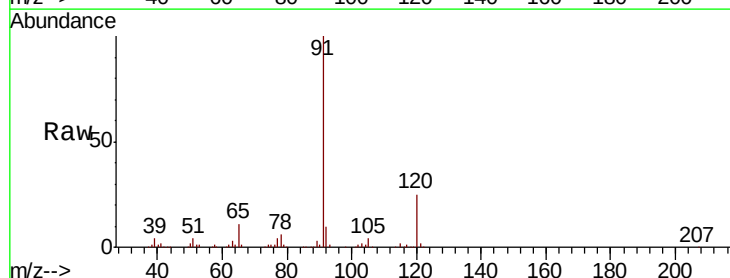
Acq: 27 Nov 2018 13:48

Tgt Ion: 91 Resp: 161004

Ion Ratio Lower Upper

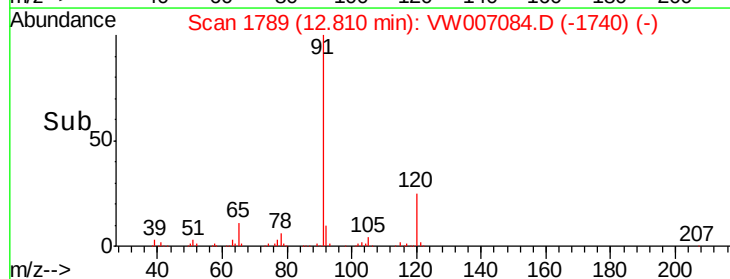
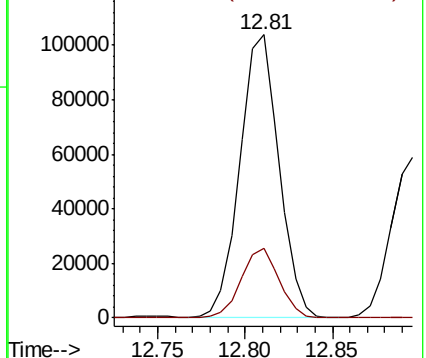
91 100

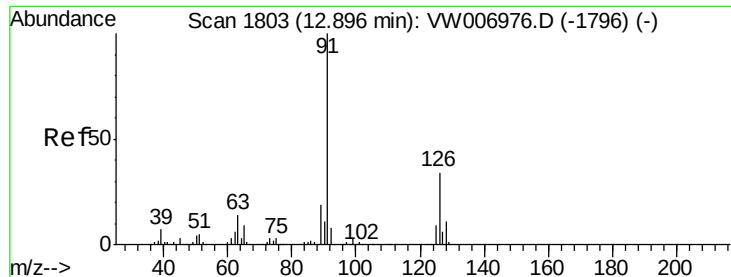
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.850 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

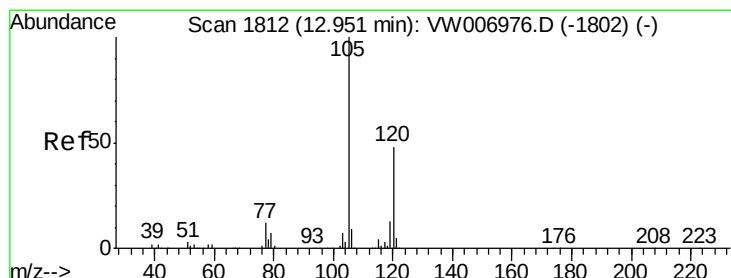
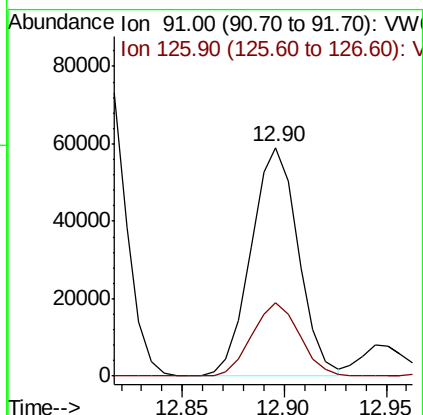
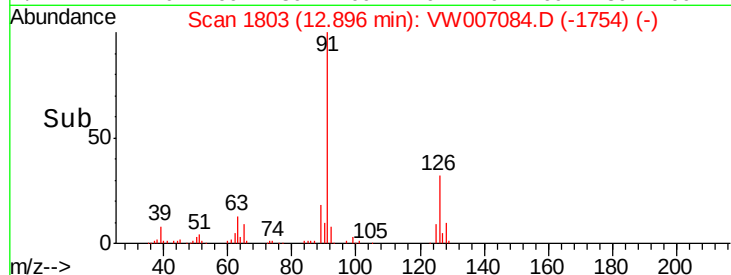
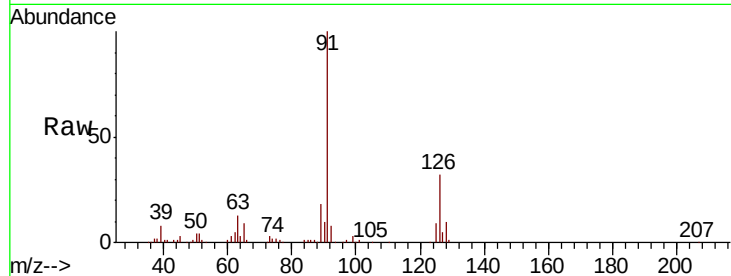
VW1127SBS01

Tot Ion: 91 Resp: 95222

Ion Ratio Lower Upper

91 100

126 32.3 16.7 50.0



#80

1,3,5-Trimethylbenzene

Concen: 22.686 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW007084.D

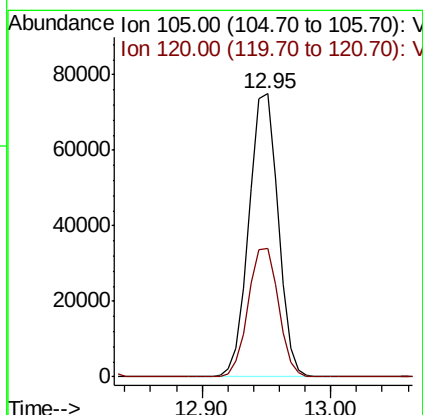
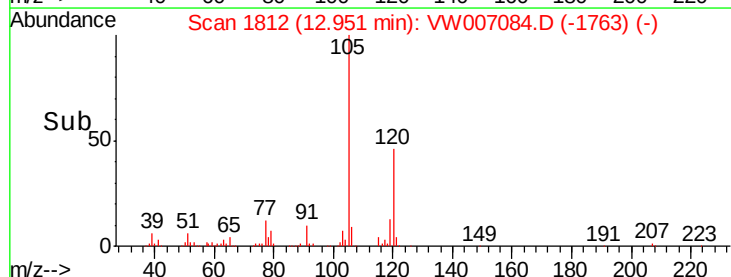
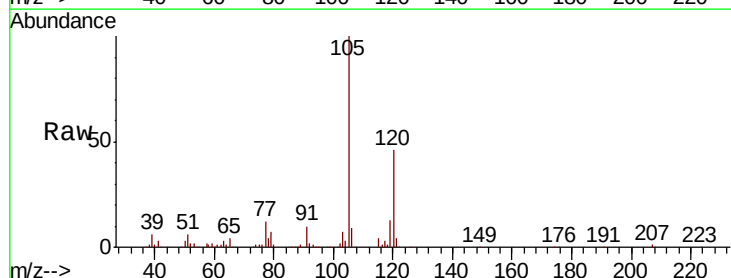
Acq: 27 Nov 2018 13:48

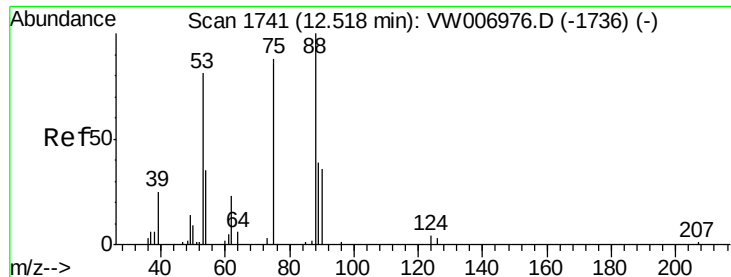
Tgt Ion:105 Resp: 117054

Ion Ratio Lower Upper

105 100

120 47.0 23.8 71.2

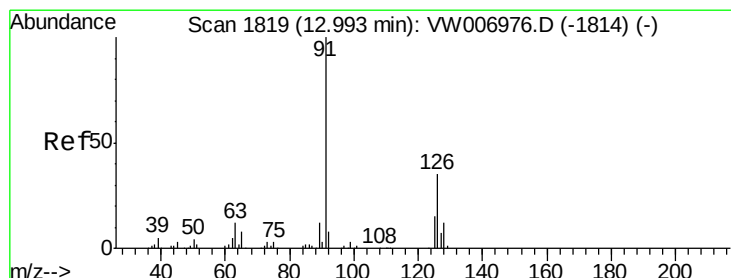
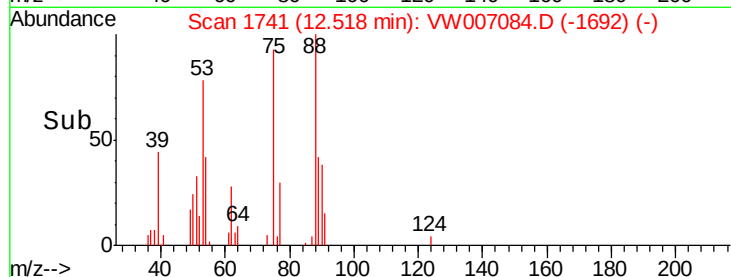
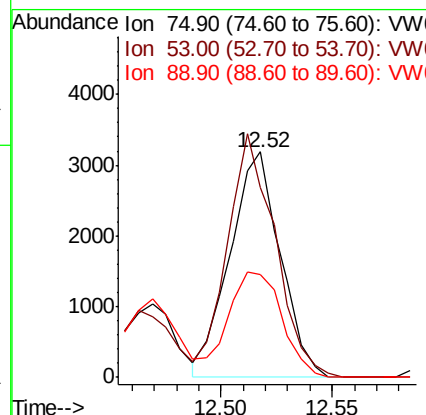
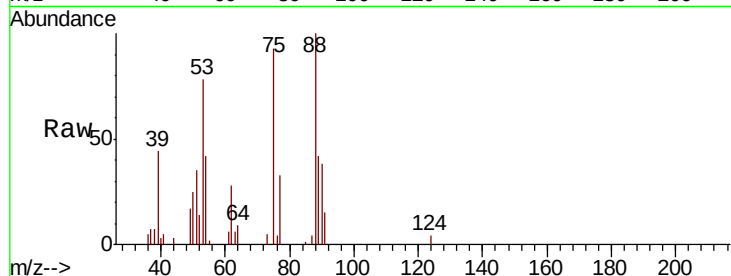




#81
trans-1,4-Dichloro-2-butene
Concen: 20.920 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

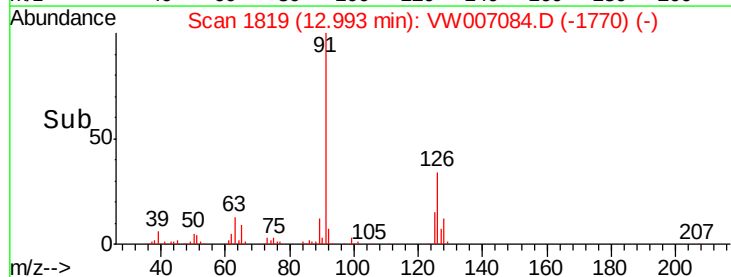
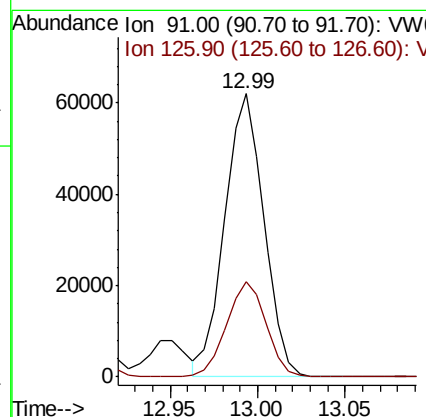
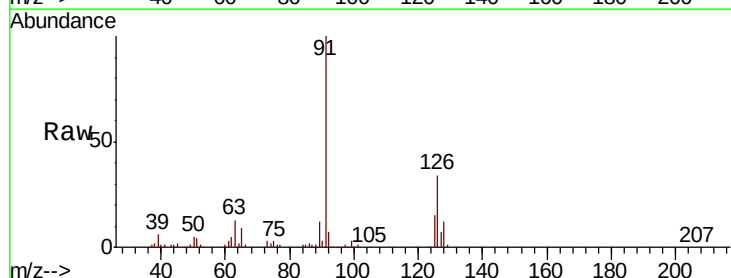
Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

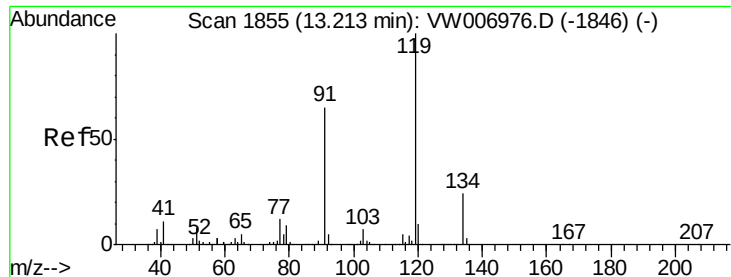
Tot Ion: 75 Resp: 5027
Ion Ratio Lower Upper
75 100
53 102.3 77.6 116.4
89 50.4 39.3 58.9



#82
4-Chlorotoluene
Concen: 22.052 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion: 91 Resp: 96439
Ion Ratio Lower Upper
91 100
126 33.9 16.6 49.7

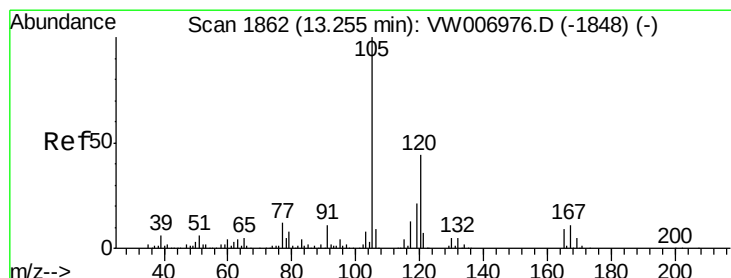
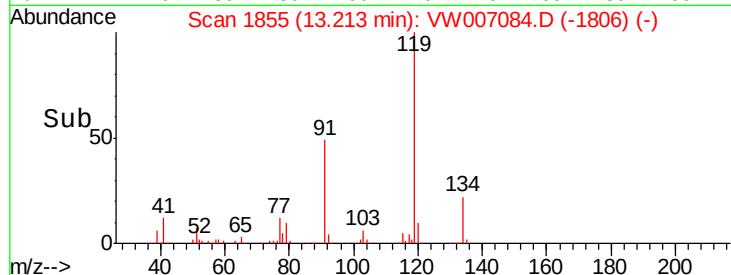
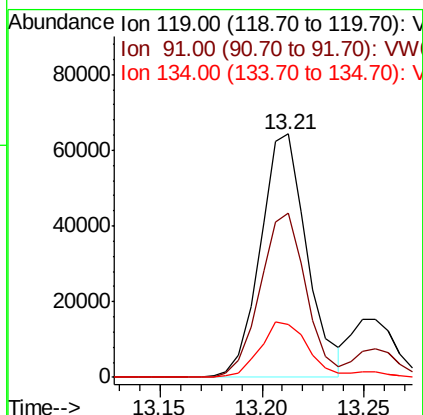
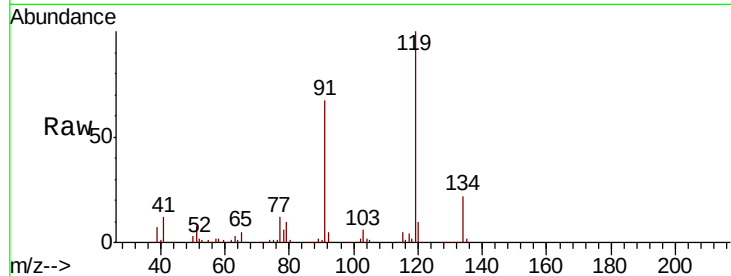




#83
 tert-Butylbenzene
 Concen: 22.894 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

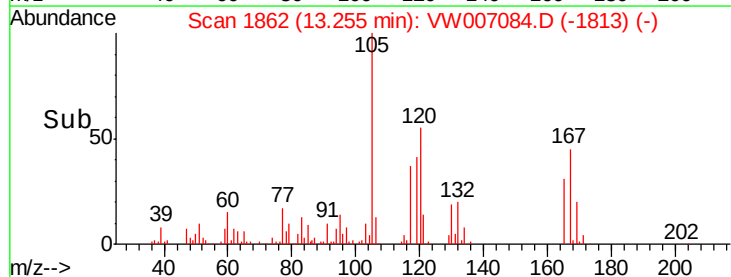
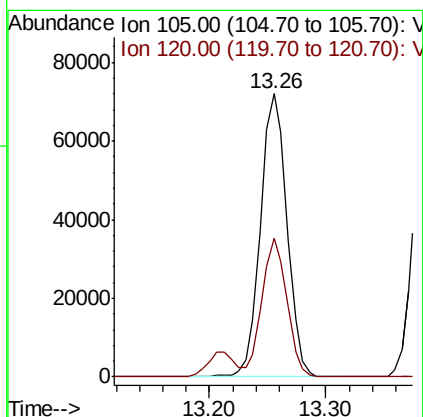
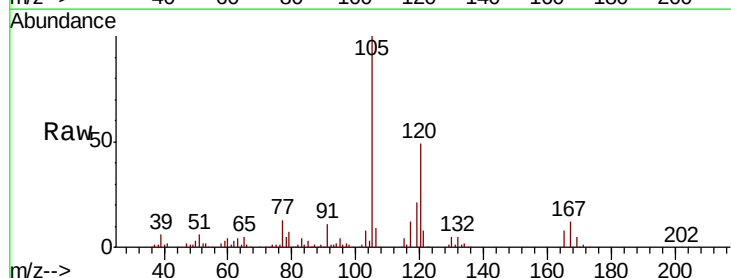
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

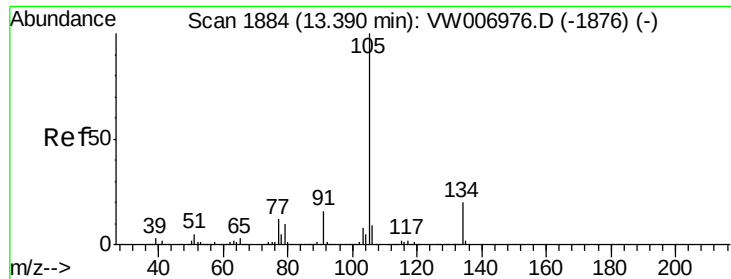
Tot Ion:119 Resp: 102271
 Ion Ratio Lower Upper
 119 100
 91 66.5 33.5 100.5
 134 23.5 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.112 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion:105 Resp: 113672
 Ion Ratio Lower Upper
 105 100
 120 46.4 21.8 65.3

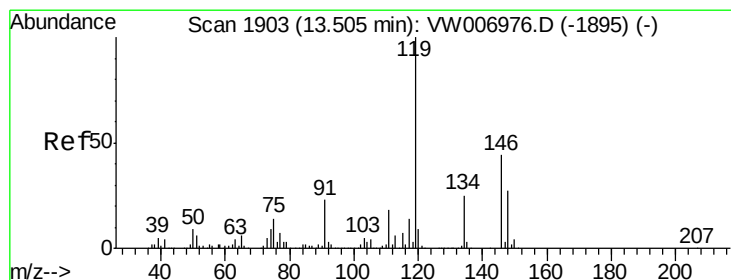
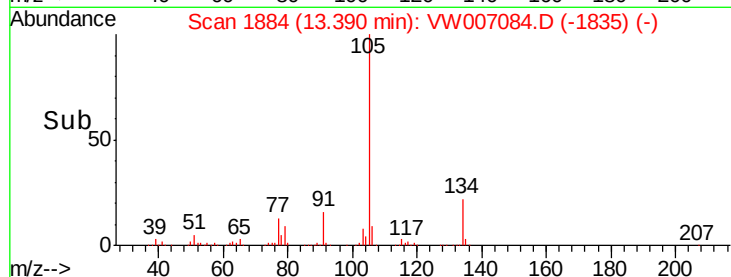
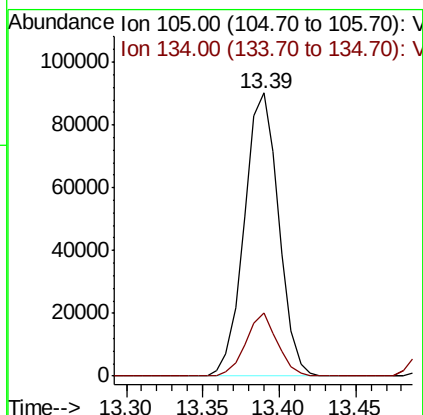
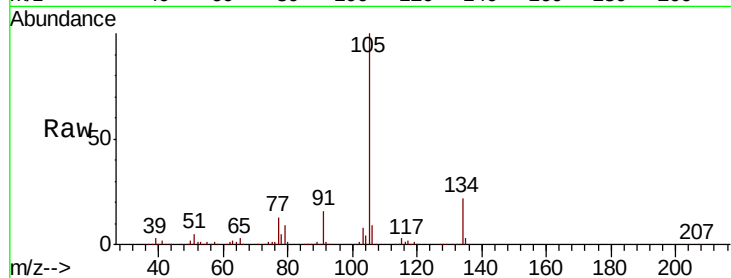




#85
 sec-Butylbenzene
 Concen: 22.305 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

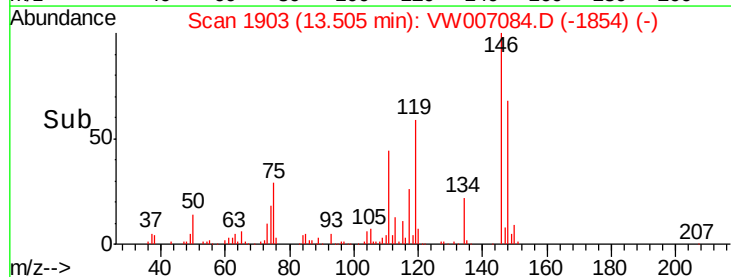
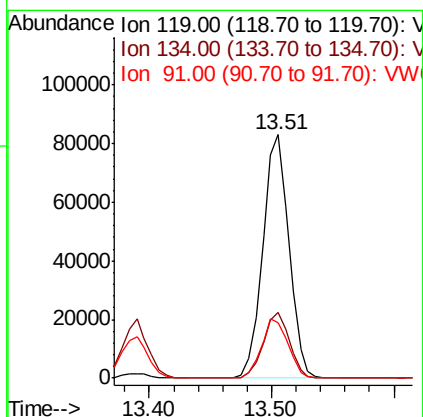
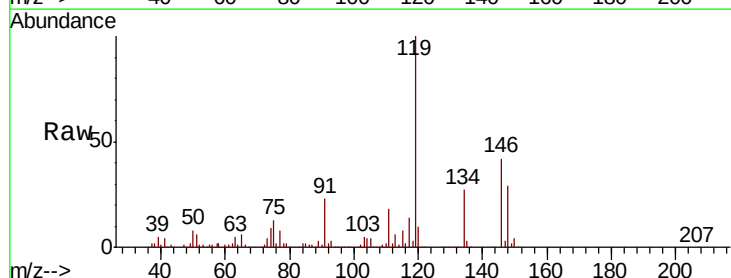
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

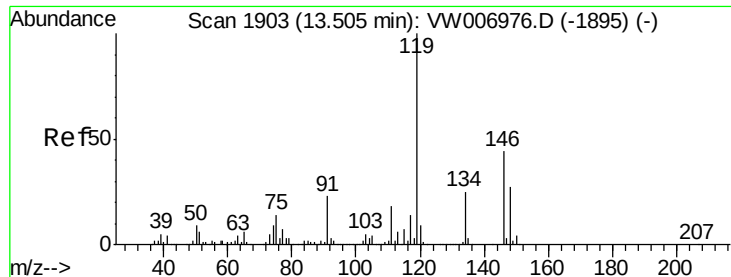
Tot Ion:105 Resp: 140768
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 22.212 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion:119 Resp: 123669
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.8 38.3
 91 24.9 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 22.652 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

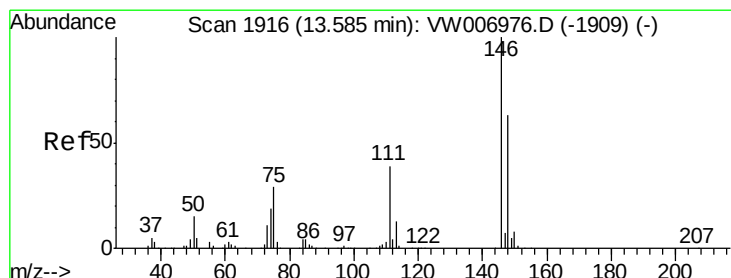
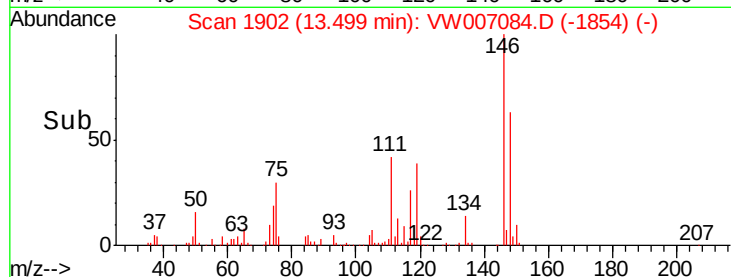
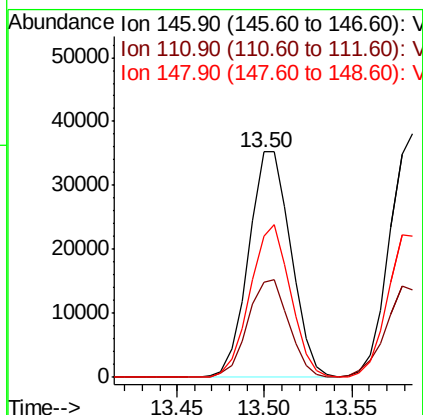
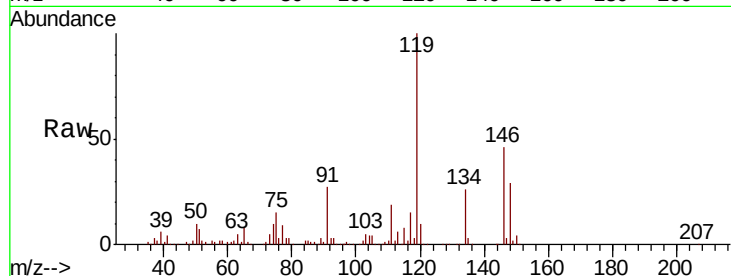
Tot Ion:146 Resp: 59264

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.3

148 64.5 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 23.141 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

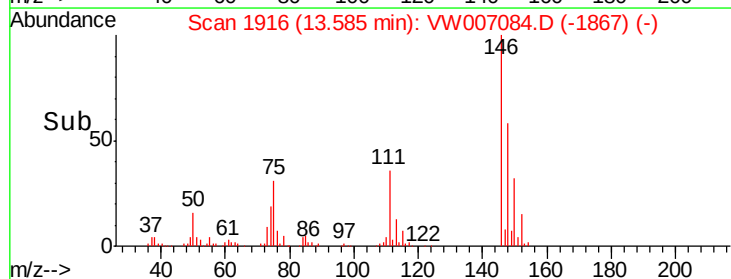
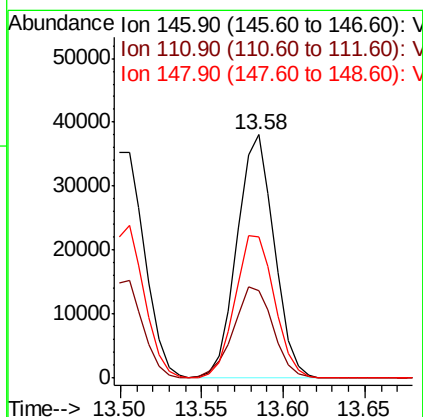
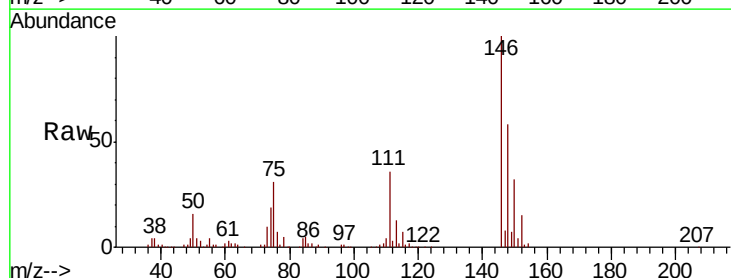
Tgt Ion:146 Resp: 60364

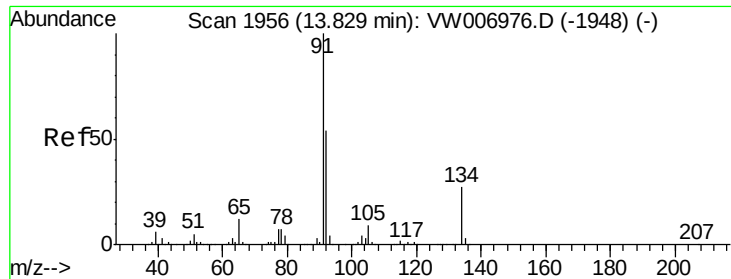
Ion Ratio Lower Upper

146 100

111 40.3 20.6 61.8

148 62.0 32.3 96.8





#89

n-Butylbenzene

Concen: 22.054 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007084.D

Acq: 27 Nov 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

VW1127SBS01

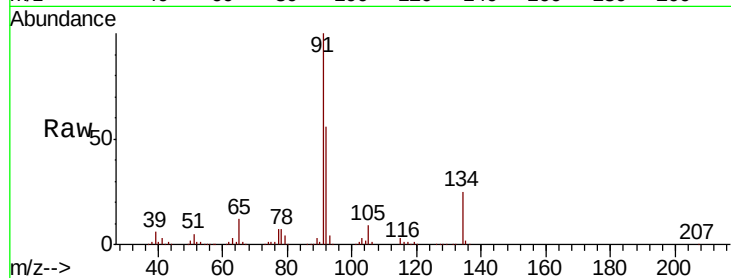
Tot Ion: 91 Resp: 115550

Ion Ratio Lower Upper

91 100

92 55.2 26.8 80.4

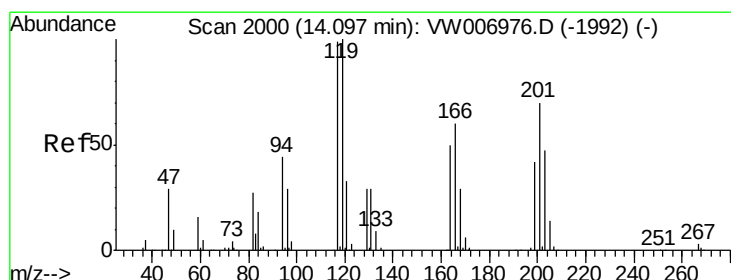
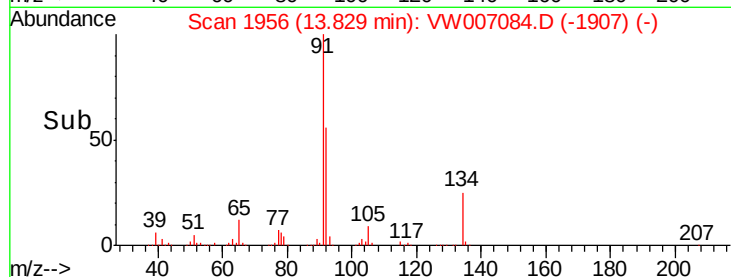
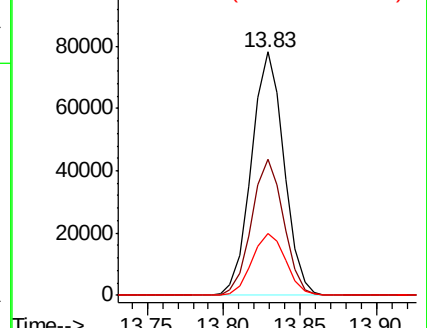
134 26.4 13.3 39.8



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: 22.744 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007084.D

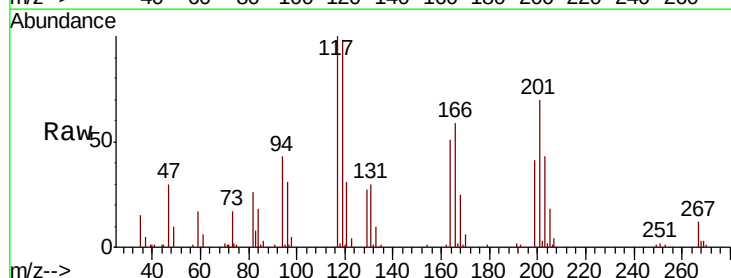
Acq: 27 Nov 2018 13:48

Tgt Ion: 117 Resp: 18487

Ion Ratio Lower Upper

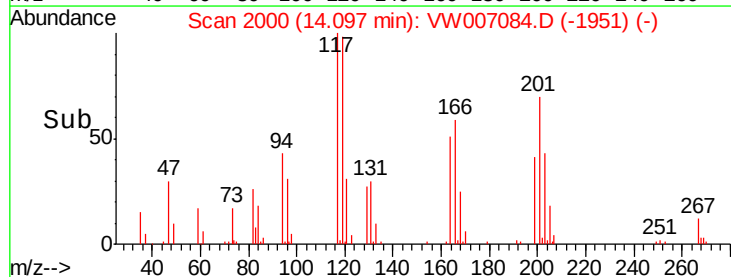
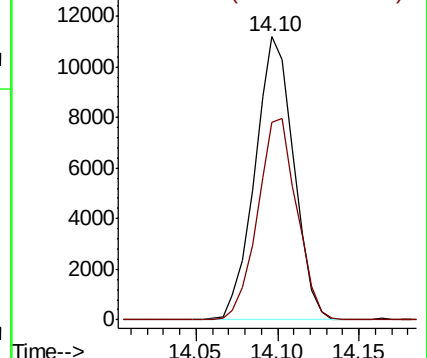
117 100

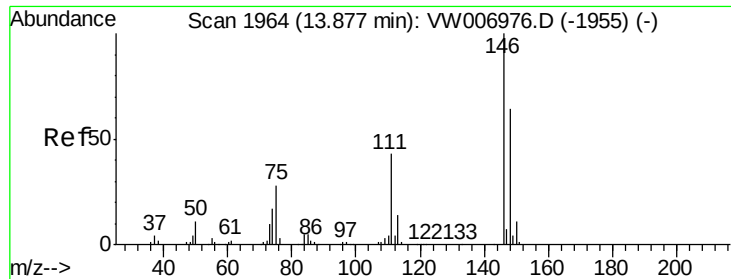
201 71.9 35.9 107.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

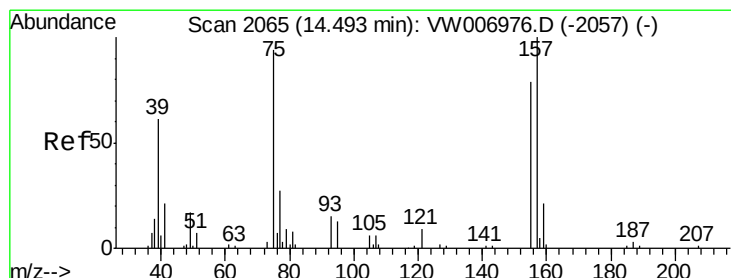
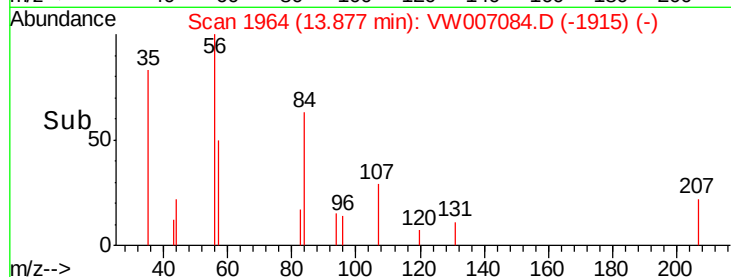
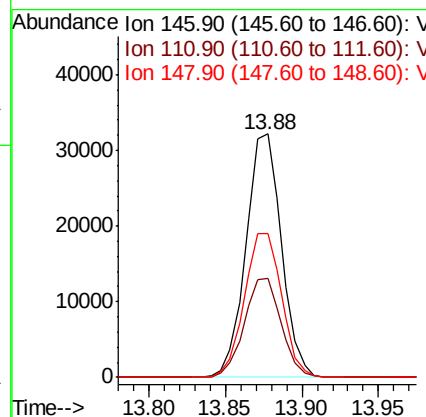
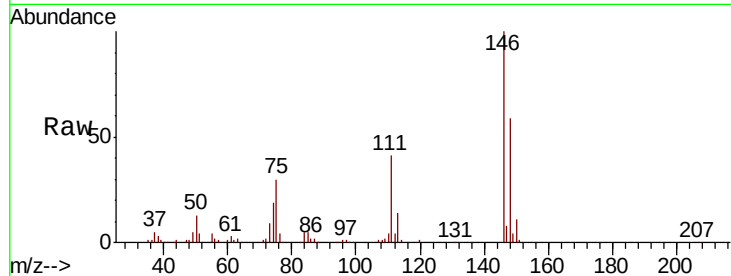




#91
 1,2-Dichlorobenzene
 Concen: 22.640 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

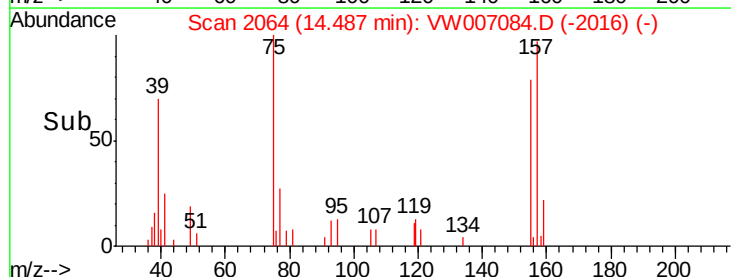
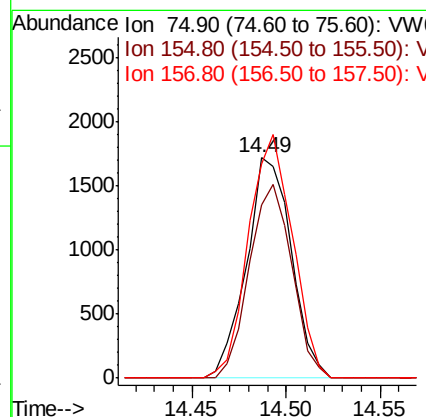
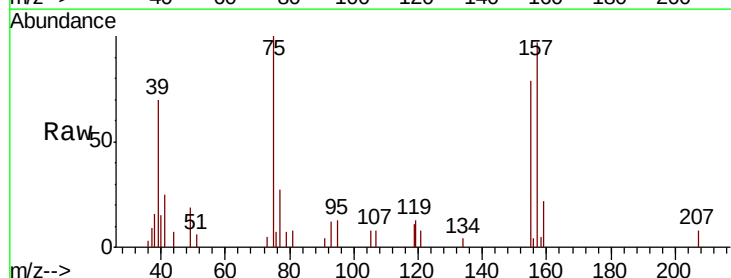
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

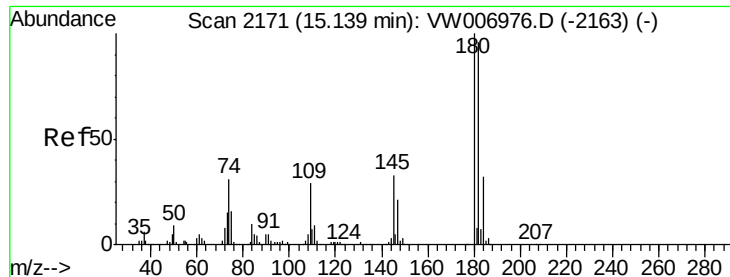
Tot Ion:146 Resp: 51901
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.9 65.7
 148 62.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.191 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion: 75 Resp: 2842
 Ion Ratio Lower Upper
 75 100
 155 83.4 42.6 127.8
 157 108.1 55.0 165.0

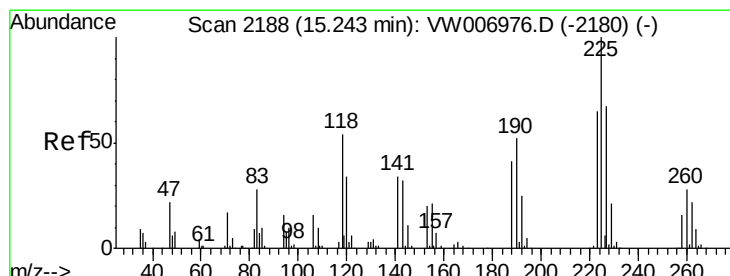
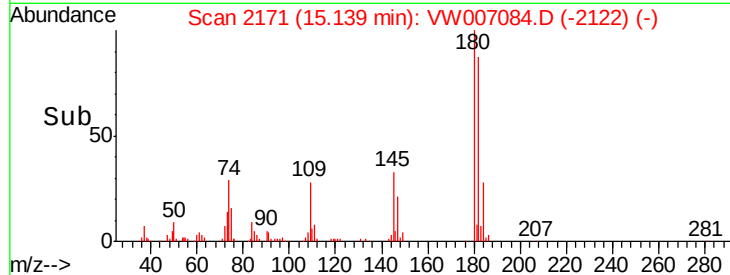
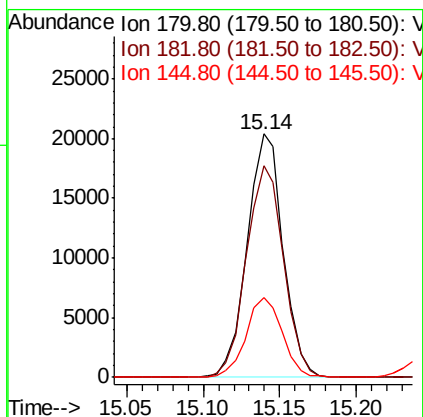
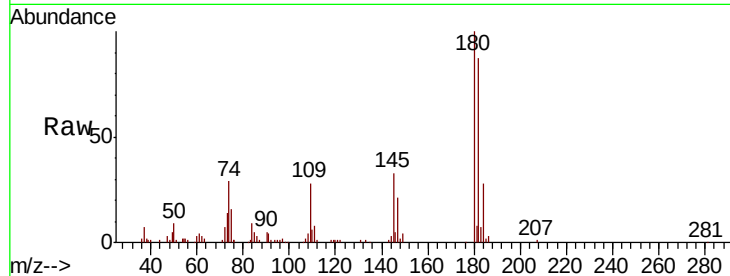




#93
 1,2,4-Trichlorobenzene
 Concen: 22.005 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

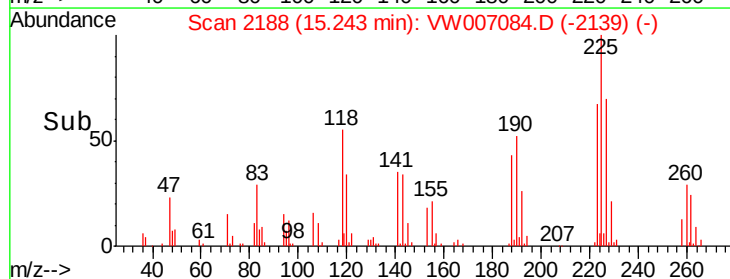
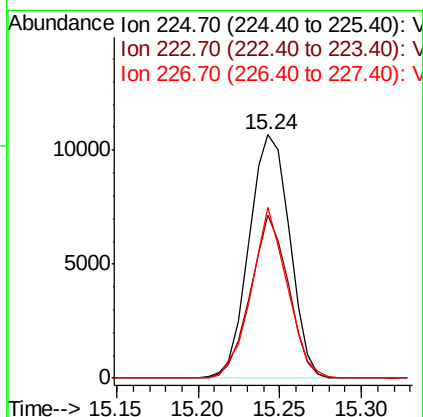
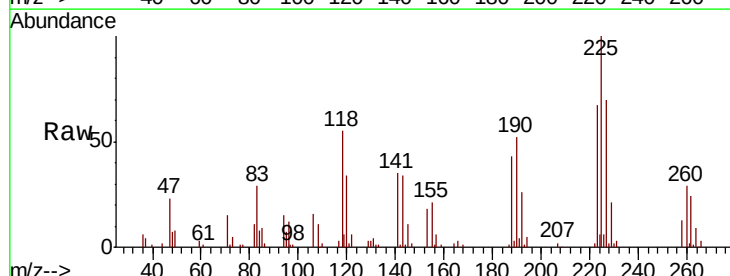
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1127SBS01

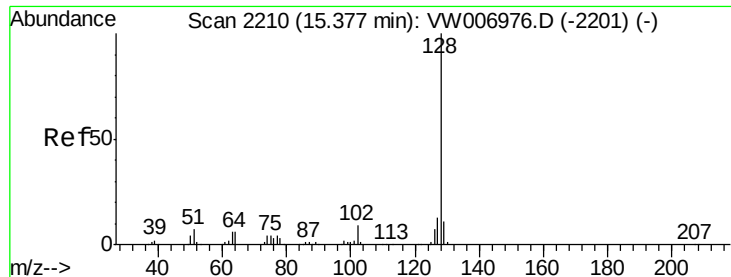
Tot Ion:180 Resp: 33264
 Ion Ratio Lower Upper
 180 100
 182 90.2 47.1 141.3
 145 33.0 16.5 49.5



#94
 Hexachlorobutadiene
 Concen: 22.490 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007084.D
 Acq: 27 Nov 2018 13:48

Tgt Ion:225 Resp: 18482
 Ion Ratio Lower Upper
 225 100
 223 62.4 32.4 97.0
 227 62.4 31.9 95.5

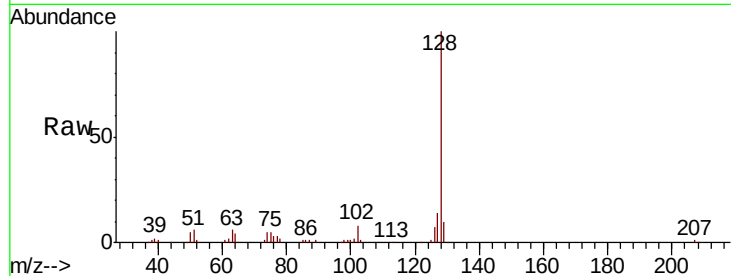




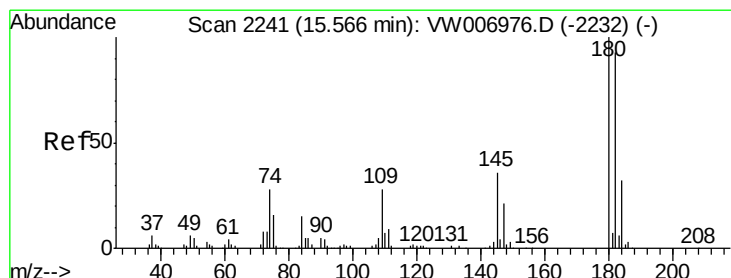
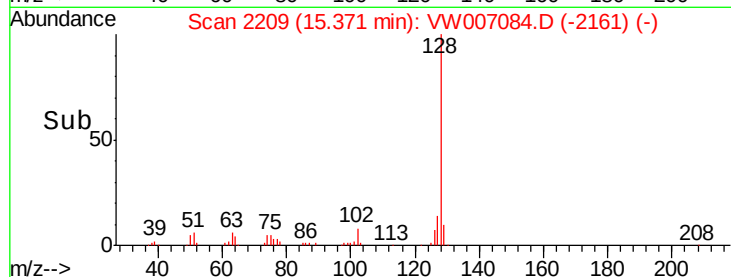
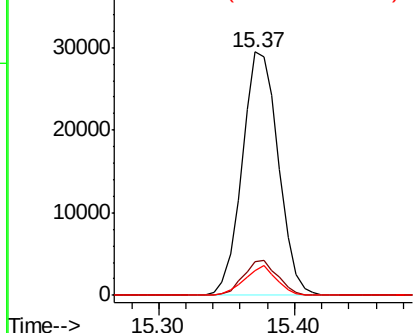
#95
Naphthalene
Concen: 19.964 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Instrument :
MSVOA_W
ClientSampleId :
VW1127SBS01

Tot Ion:128 Resp: 54782
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.8 8.7 13.1

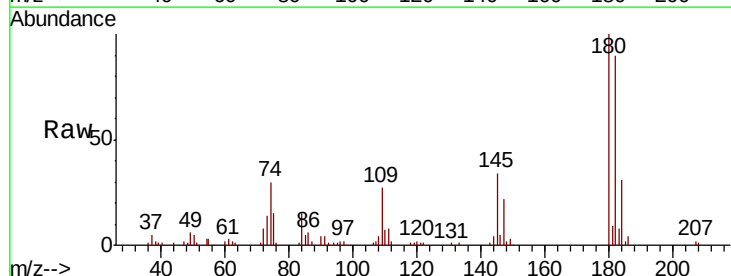


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.418 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007084.D
Acq: 27 Nov 2018 13:48

Tgt Ion:180 Resp: 26861
Ion Ratio Lower Upper
180 100
182 91.1 47.0 141.2
145 35.4 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

