

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081718\
 Data File : VW004704.D
 Acq On : 15 Aug 2018 19:27
 Operator : SY/AP
 Sample : VW0817SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

Quant Time: Aug 16 04:58:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	648641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1002130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	951941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	514188	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	336751	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	7.88	113	333627	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	10.33	98	1307258	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	479597	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	87930	19.753	ug/l	100
3) Chloromethane	2.21	50	115558	18.634	ug/l	97
4) Vinyl Chloride	2.37	62	177232	20.459	ug/l	98
5) Bromomethane	2.78	94	106086	21.031	ug/l	96
6) Chloroethane	2.92	64	105333	20.349	ug/l	99
7) Trichlorofluoromethane	3.25	101	74054	23.145	ug/l	99
8) Diethyl Ether	3.68	74	80438	19.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144313	20.420	ug/l	97
10) Methyl Iodide	4.27	142	216388	20.408	ug/l	100
11) Tert butyl alcohol	5.20	59	38665	91.968	ug/l	98
12) 1,1-Dichloroethene	4.03	96	145807	20.498	ug/l	98
13) Acrolein	3.89	56	46780	90.815	ug/l	100
14) Allyl chloride	4.66	41	214063	20.030	ug/l	100
15) Acrylonitrile	5.37	53	171796	95.513	ug/l	98
16) Acetone	4.14	43	179012	99.831	ug/l	98
17) Carbon Disulfide	4.37	76	459217	20.088	ug/l	100
18) Methyl Acetate	4.67	43	81478	18.222	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	189526	19.534	ug/l	97
20) Methylene Chloride	4.91	84	192355	15.925	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	154011	20.091	ug/l	97
22) Diisopropyl ether	6.31	45	454232	20.682	ug/l	99
23) Vinyl Acetate	6.26	43	1252823	94.916	ug/l	99
24) 1,1-Dichloroethane	6.21	63	281503	20.025	ug/l	97
25) 2-Butanone	7.18	43	262479	90.999	ug/l	100
26) 2,2-Dichloropropane	7.17	77	154454	20.934	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	168949	20.485	ug/l	99
28) Bromochloromethane	7.51	49	117286	19.176	ug/l	96
29) Tetrahydrofuran	7.54	42	134865	90.442	ug/l	99
30) Chloroform	7.68	83	279242	20.224	ug/l	100
31) Cyclohexane	7.96	56	260136	19.341	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	215342	20.763	ug/l	99
36) 1,1-Dichloropropene	8.09	75	222740	20.643	ug/l	99
37) Ethyl Acetate	7.26	43	92646	18.333	ug/l	99
38) Carbon Tetrachloride	8.07	117	200448	20.644	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264044	19.964	ug/l	97
40) Benzene	8.32	78	659079	20.800	ug/l	100
41) Methacrylonitrile	7.49	41	52095	18.457	ug/l	97
42) 1,2-Dichloroethane	8.40	62	174007	19.849	ug/l	99
43) Isopropyl Acetate	8.43	43	163195	18.526	ug/l	98
44) Trichloroethene	9.09	130	161880	20.791	ug/l	98
45) 1,2-Dichloropropane	9.37	63	162217	20.443	ug/l	99
46) Dibromomethane	9.46	93	80777	19.996	ug/l	97
47) Bromodichloromethane	9.65	83	192314	20.169	ug/l	99
48) Methyl methacrylate	9.44	41	77340	18.785	ug/l	99
49) 1,4-Dioxane	9.46	88	23970	388.940	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	578691	94.379	ug/l	99
52) Toluene	10.39	92	396992	21.247	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	187395	19.573	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	227312	20.372	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	114036	19.696	ug/l	99
56) Ethyl methacrylate	10.65	69	132761	19.152	ug/l	98
57) 1,3-Dichloropropane	10.94	76	201701	20.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	332976	96.158	ug/l	99
59) 2-Hexanone	10.98	43	386779	93.037	ug/l	99
60) Dibromochloromethane	11.13	129	126659	20.113	ug/l	100
61) 1,2-Dibromoethane	11.24	107	108692	19.982	ug/l	98
64) Tetrachloroethene	10.87	164	139869	21.063	ug/l	97
65) Chlorobenzene	11.66	112	437130	20.837	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	147709	20.680	ug/l	99
67) Ethyl Benzene	11.74	91	739001	20.780	ug/l	97
68) m/p-Xylenes	11.84	106	587956	42.779	ug/l	98
69) o-Xylene	12.17	106	265181	20.805	ug/l	99
70) Styrene	12.19	104	456110	21.179	ug/l	100
71) Bromoform	12.35	173	77344	19.699	ug/l	100
73) Isopropylbenzene	12.47	105	735971	20.693	ug/l	100
74) N-amyl acetate	12.28	43	156319	18.126	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	143174	19.284	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	179854	33.803	ug/l #	100
77) Bromobenzene	12.75	156	181099	21.046	ug/l	96
78) n-propylbenzene	12.81	91	922125	21.012	ug/l	100
79) 2-Chlorotoluene	12.90	91	527265	20.761	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	642423	21.175	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	39619	17.825	ug/l	95
82) 4-Chlorotoluene	12.99	91	566514	21.018	ug/l	100
83) tert-Butylbenzene	13.21	119	529235	20.797	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	662803	21.103	ug/l	99
85) sec-Butylbenzene	13.39	105	806822	21.016	ug/l	100
86) p-Isopropyltoluene	13.51	119	705668	21.212	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	368095	20.761	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	365441	20.704	ug/l	99
89) n-Butylbenzene	13.83	91	668160	20.442	ug/l	99
90) Hexachloroethane	14.10	117	123854	20.123	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	334246	20.779	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22493	18.541	ug/l	99

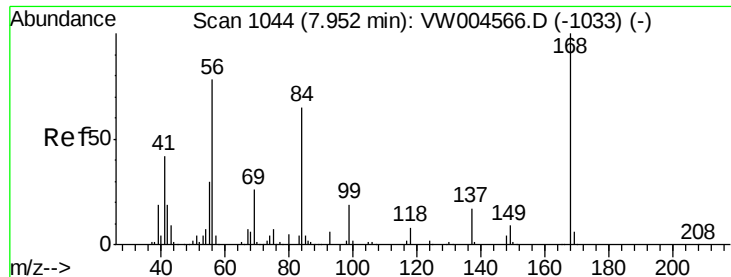
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	231643	20.800	ug/l	100
94) Hexachlorobutadiene	15.24	225	138962	21.429	ug/l	100
95) Naphthalene	15.38	128	396541	19.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	208502	20.834	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

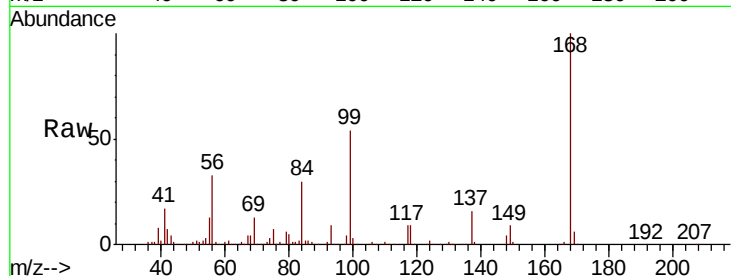
VW0817SBSD01

Tot Ion:168 Resp: 648641

Ion Ratio Lower Upper

168 100

99 53.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

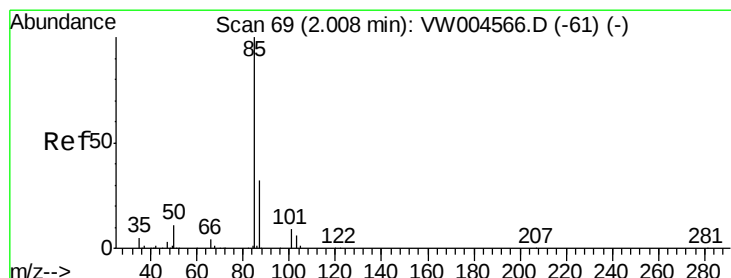
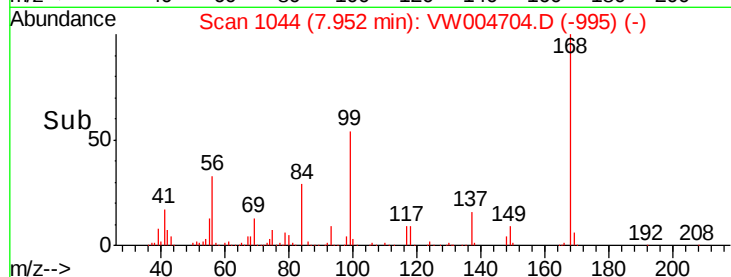
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.753 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004704.D

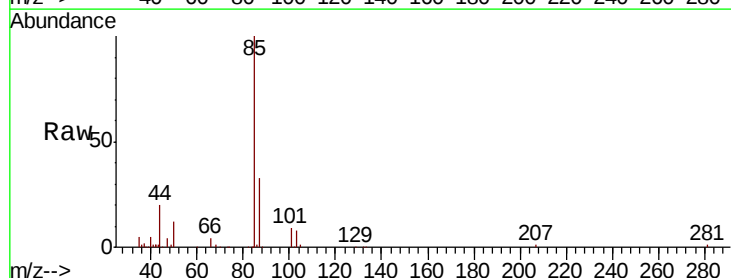
Acq: 15 Aug 2018 19:27

Tgt Ion: 85 Resp: 87930

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

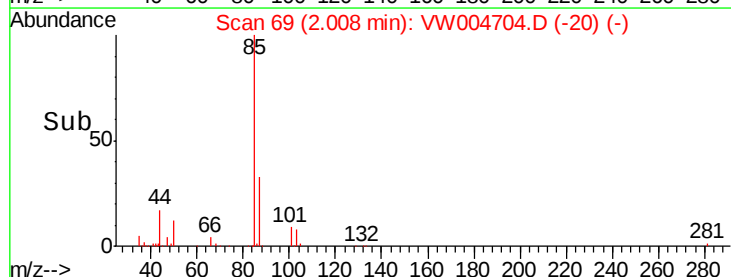
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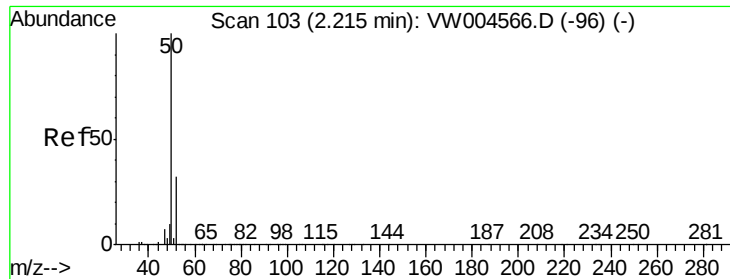
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.634 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

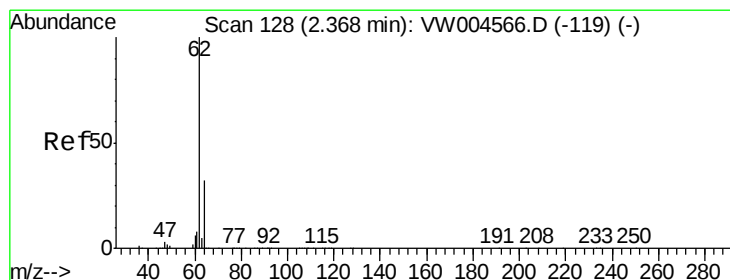
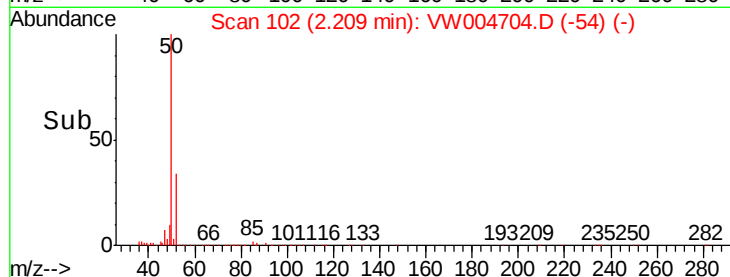
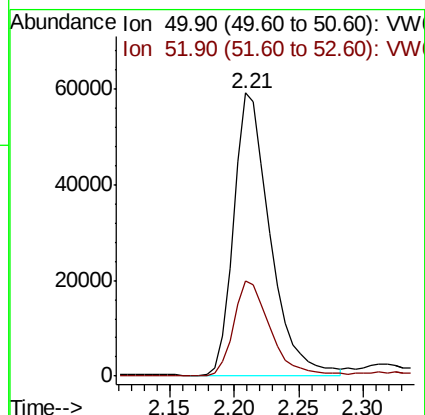
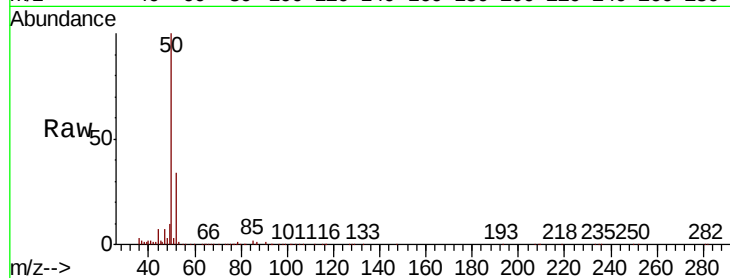
VW0817SBSD01

Tot Ion: 50 Resp: 115558

Ion Ratio Lower Upper

50 100

52 33.8 25.8 38.8



#4

Vinyl Chloride

Concen: 20.459 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004704.D

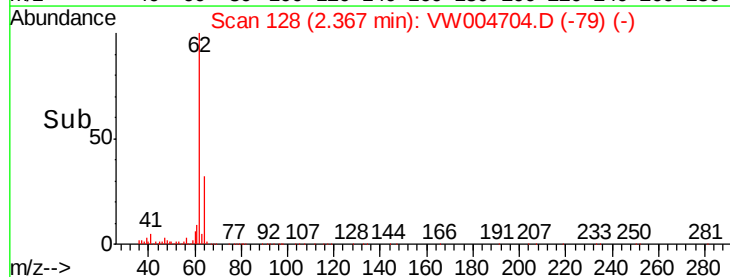
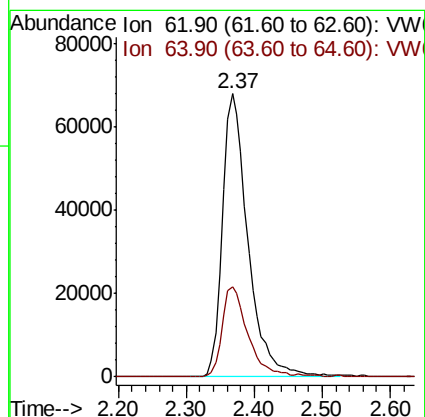
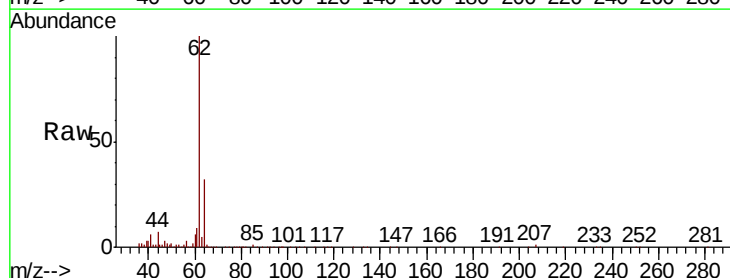
Acq: 15 Aug 2018 19:27

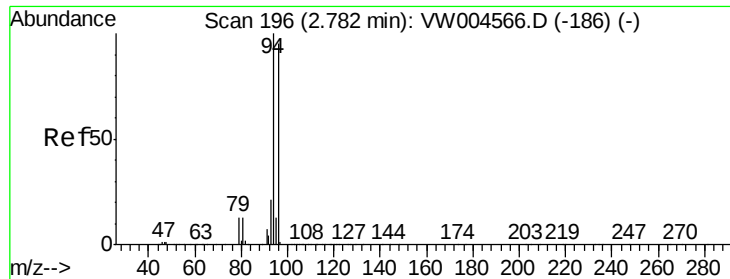
Tgt Ion: 62 Resp: 177232

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 21.031 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

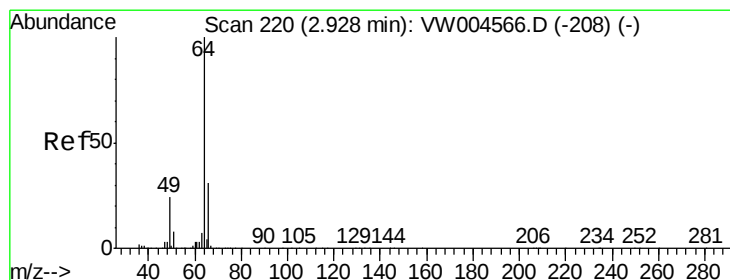
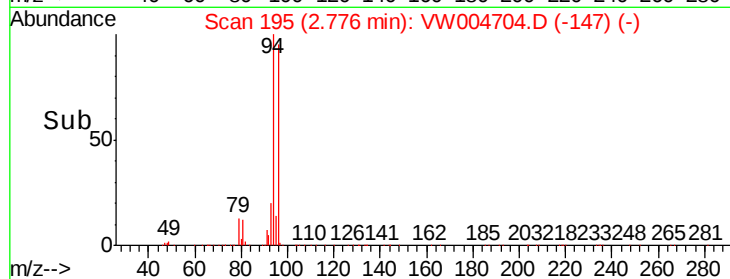
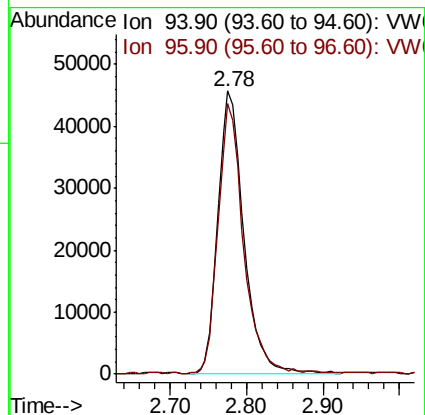
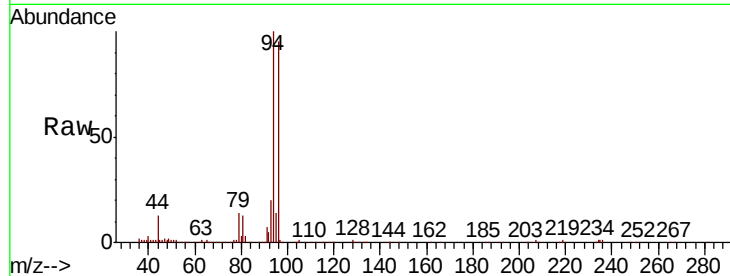
VW0817SBSD01

Tot Ion: 94 Resp: 106086

Ion Ratio Lower Upper

94 100

96 95.4 72.9 109.3



#6

Chloroethane

Concen: 20.349 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004704.D

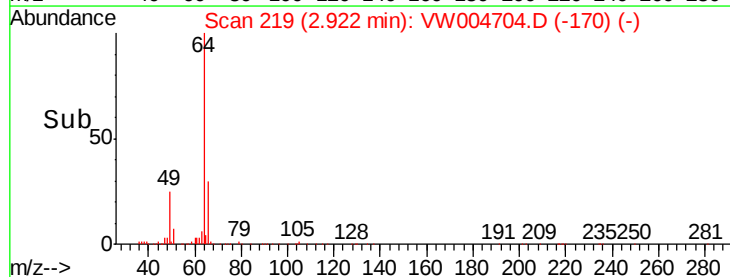
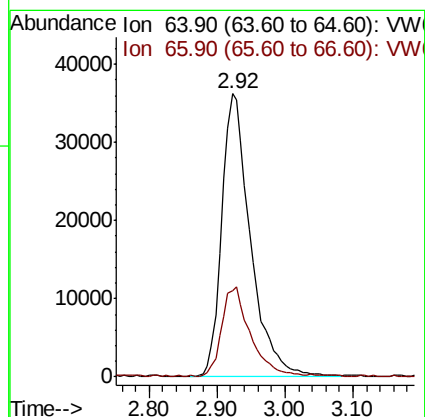
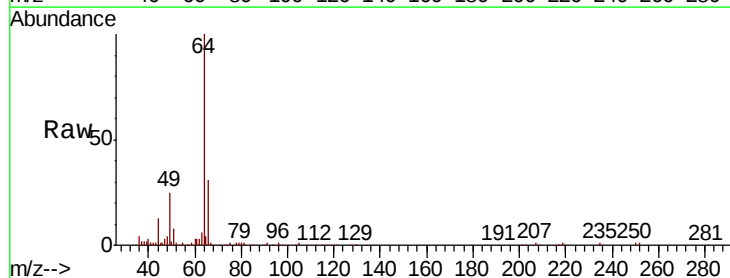
Acq: 15 Aug 2018 19:27

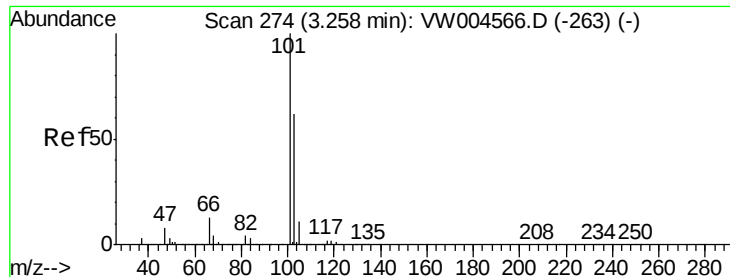
Tgt Ion: 64 Resp: 105333

Ion Ratio Lower Upper

64 100

66 30.3 24.6 36.8



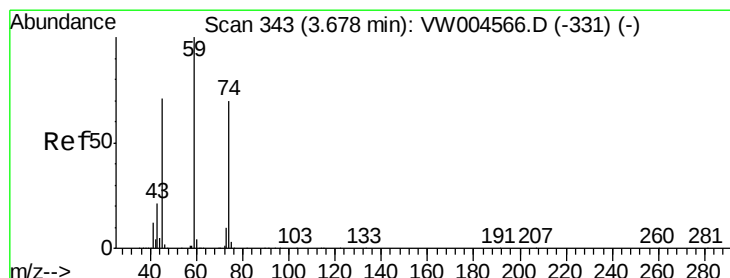
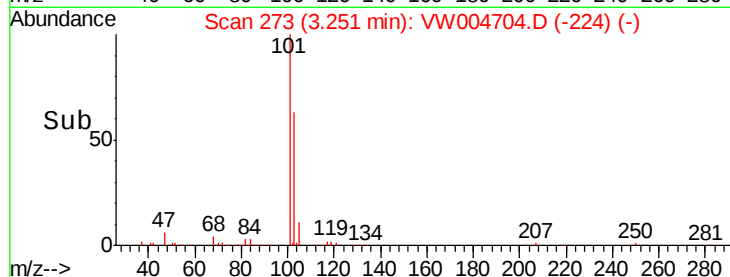
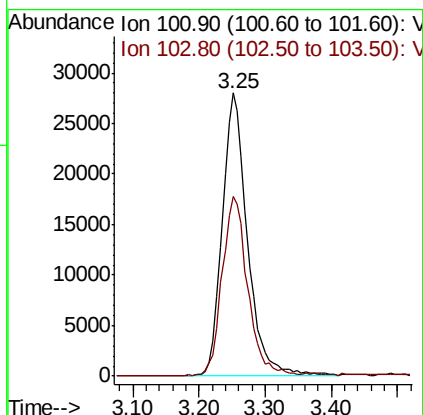
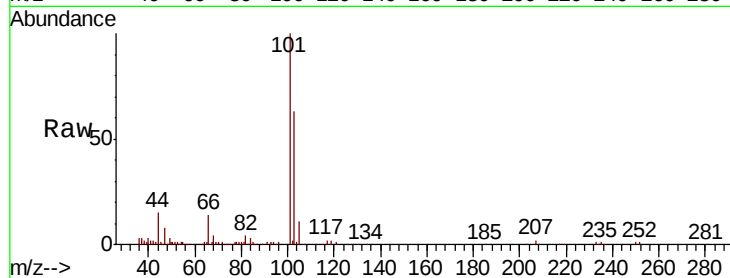


#7

Trichlorofluoromethane
Concen: 23.145 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

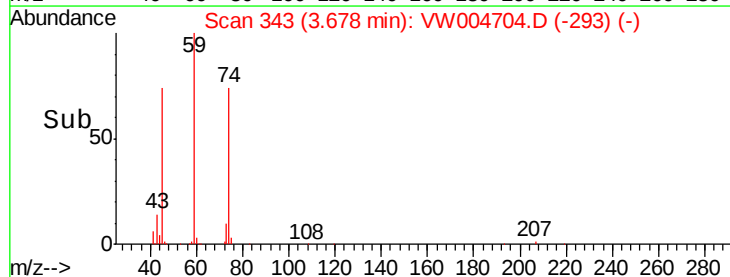
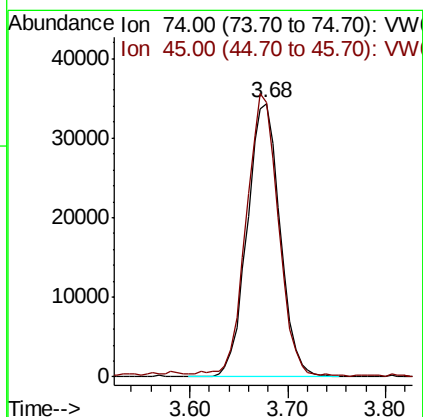
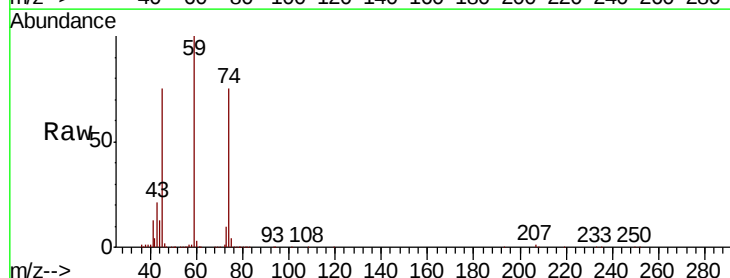
Tot Ion:101 Resp: 74054
Ion Ratio Lower Upper
101 100
103 63.1 49.8 74.8

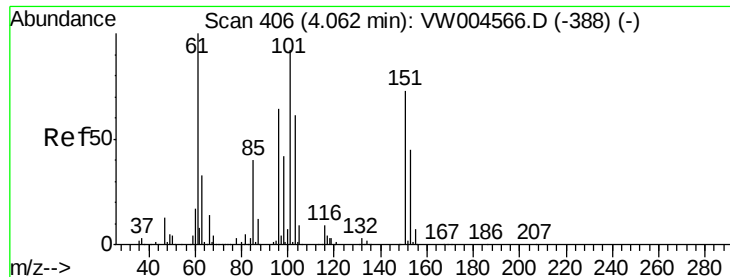


#8

Diethyl Ether
Concen: 19.873 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 74 Resp: 80438
Ion Ratio Lower Upper
74 100
45 99.5 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.420 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

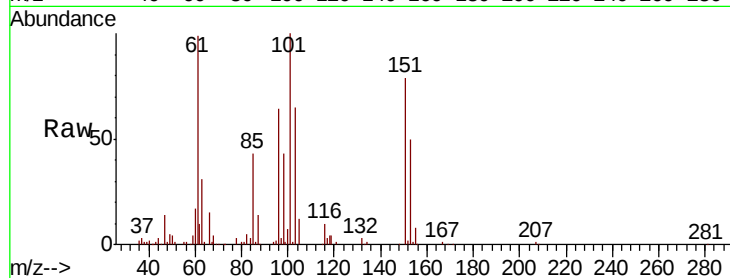
Tot Ion:101 Resp: 144313

Ion Ratio Lower Upper

101 100

85 43.0 34.6 51.8

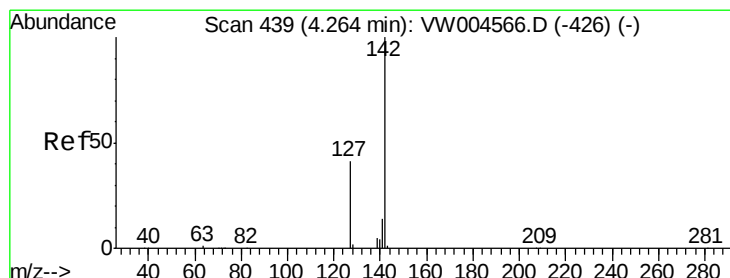
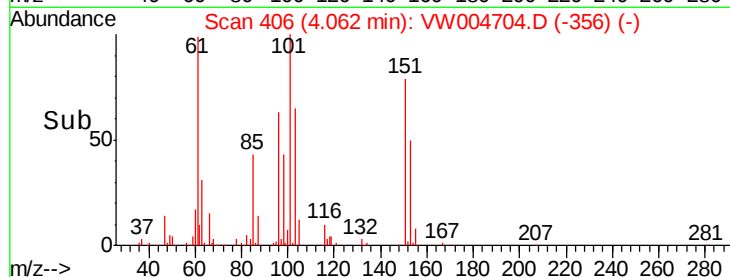
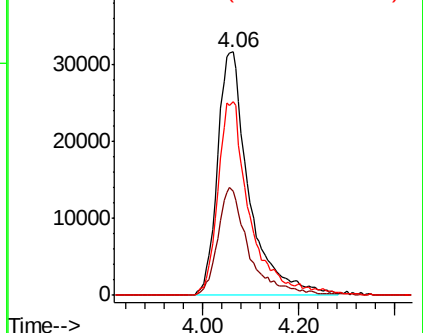
151 80.6 61.3 91.9



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: 20.408 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

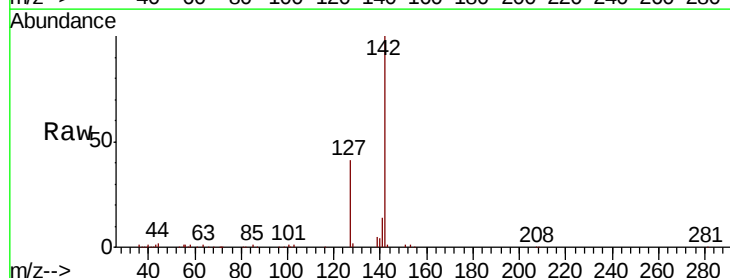
Tgt Ion:142 Resp: 216388

Ion Ratio Lower Upper

142 100

127 40.8 32.7 49.1

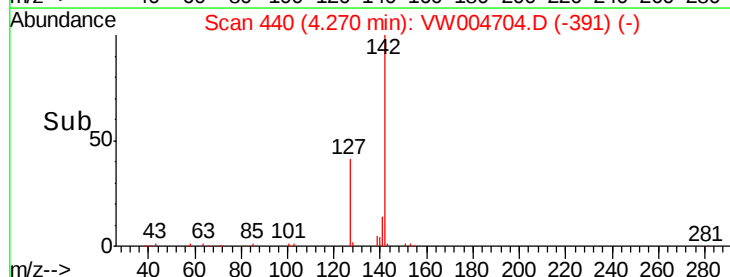
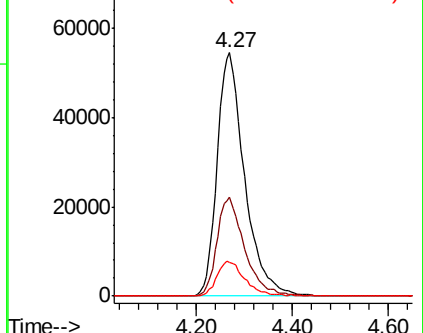
141 14.6 11.5 17.3

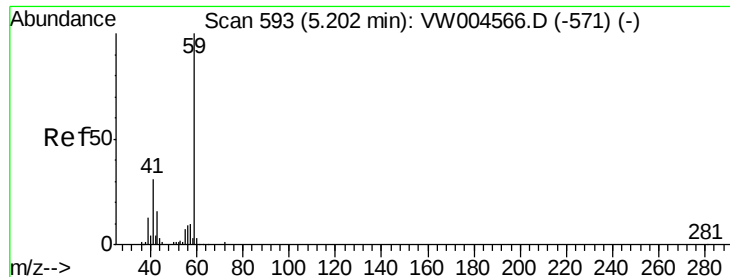


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



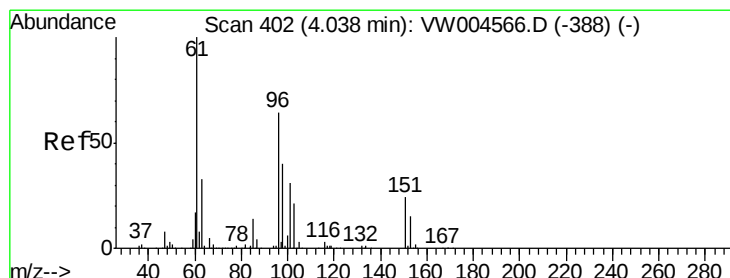
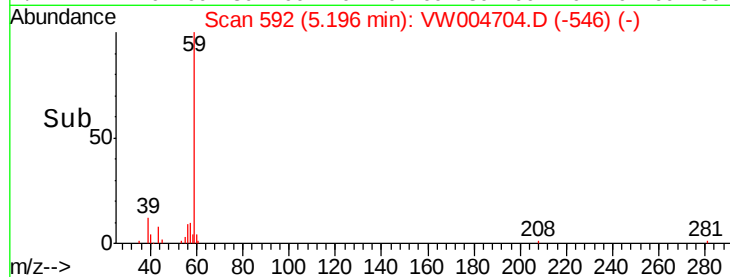
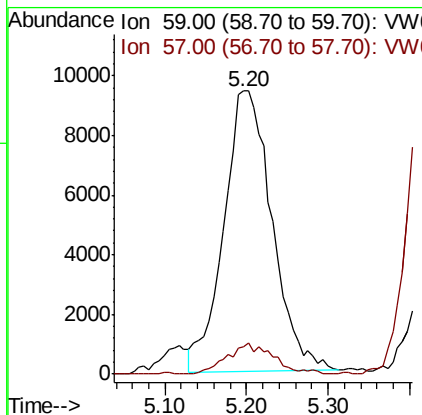
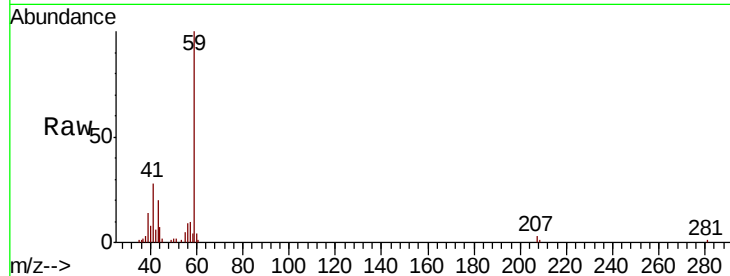


#11

Tert butyl alcohol
 Concen: 91.968 ug/l
 RT: 5.20 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0817SBS01

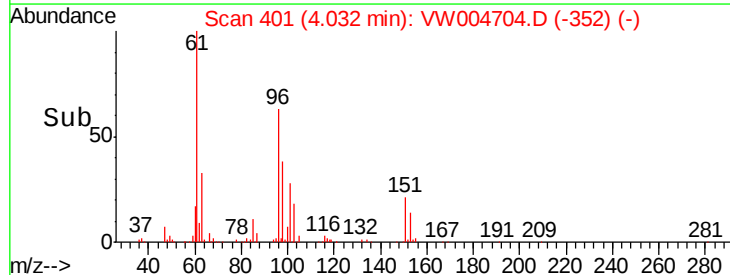
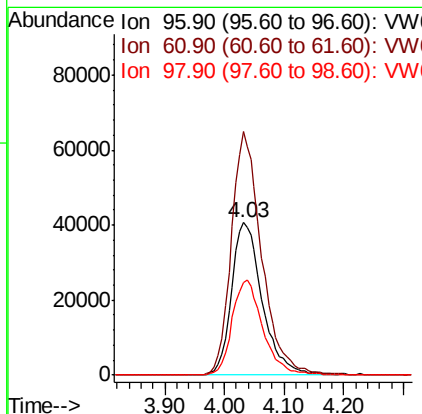
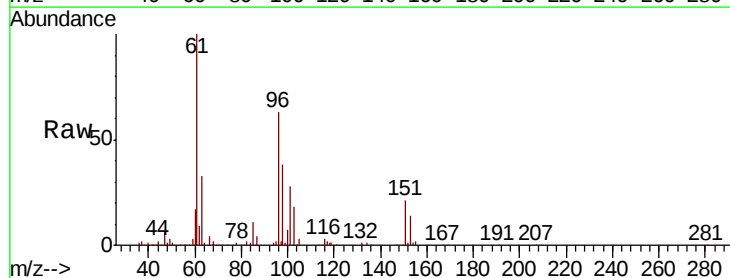
Tot Ion: 59 Resp: 38665
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.1 13.7

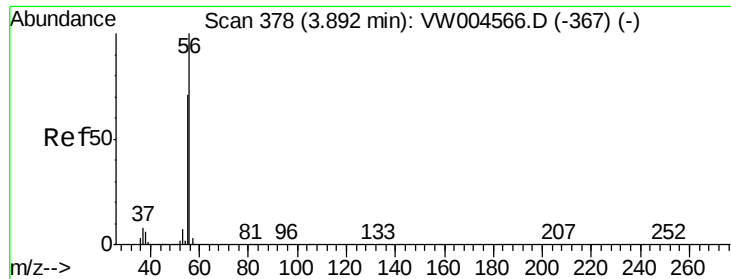


#12

1,1-Dichloroethene
 Concen: 20.498 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion: 96 Resp: 145807
 Ion Ratio Lower Upper
 96 100
 61 160.0 130.6 195.8
 98 60.8 49.6 74.4





#13

Acrolein

Concen: 90.815 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

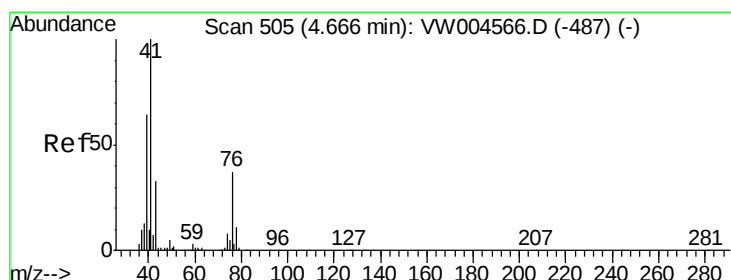
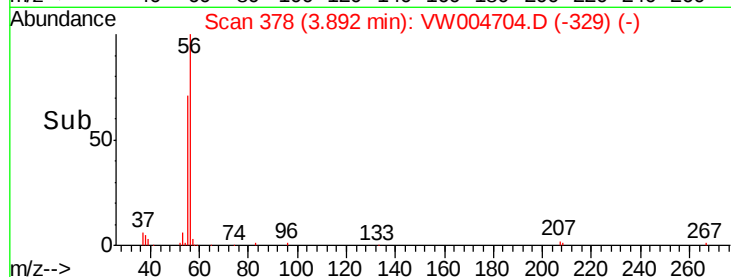
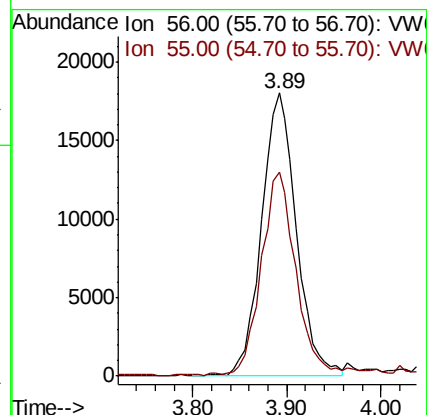
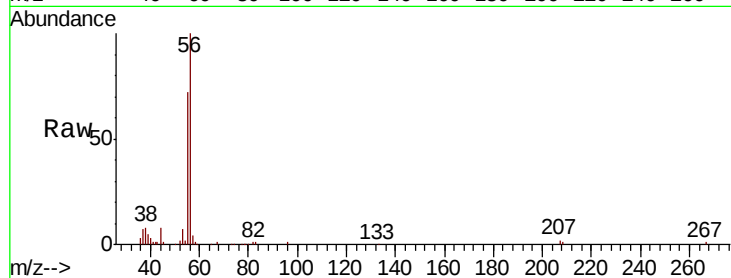
VW0817SBSD01

Tot Ion: 56 Resp: 46780

Ion Ratio Lower Upper

56 100

55 71.1 56.7 85.1



#14

Allyl chloride

Concen: 20.030 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

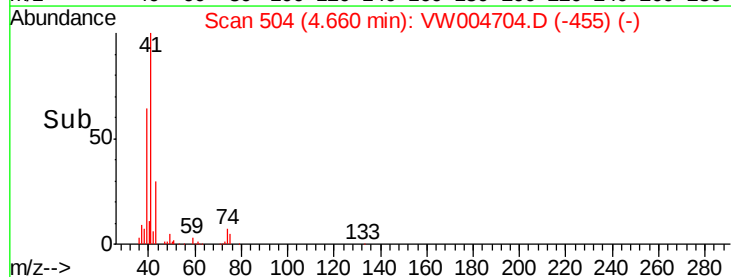
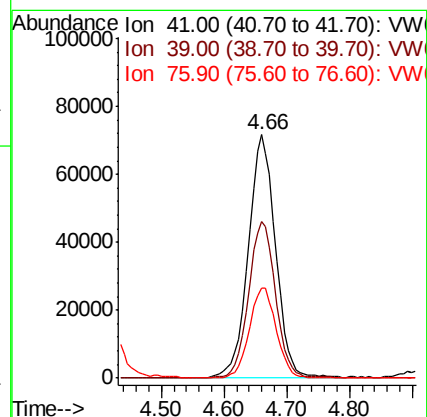
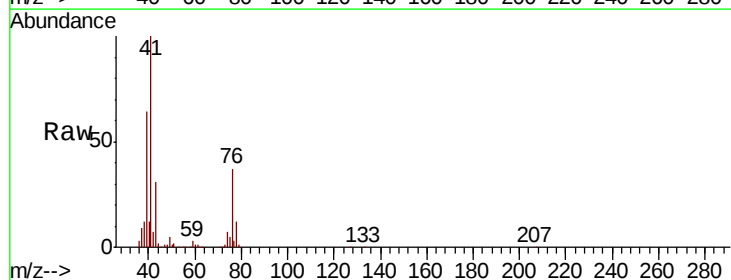
Tgt Ion: 41 Resp: 214063

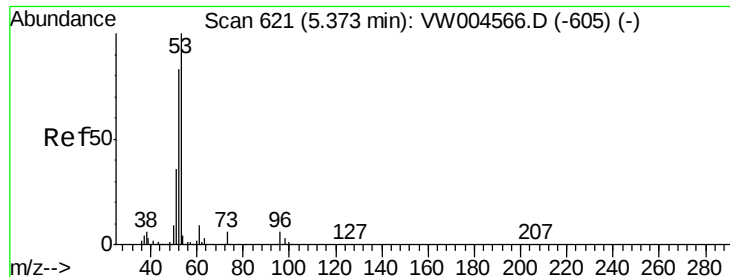
Ion Ratio Lower Upper

41 100

39 64.7 51.9 77.9

76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 95.513 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampled :

VW0817SBS01

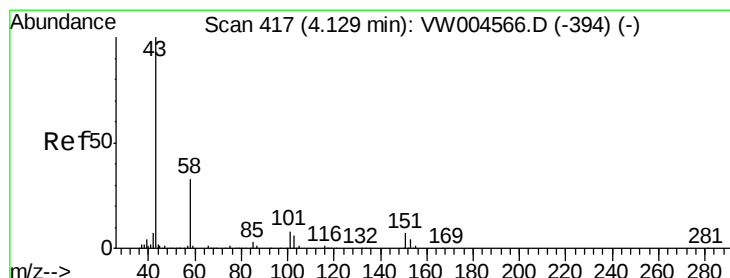
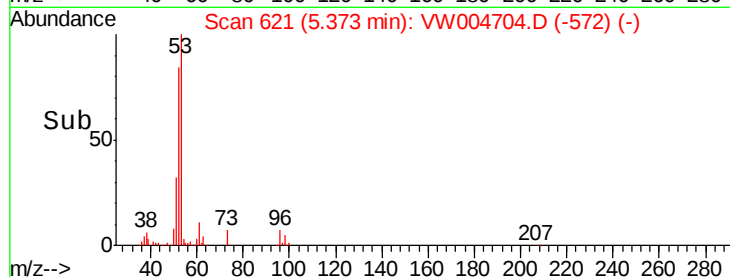
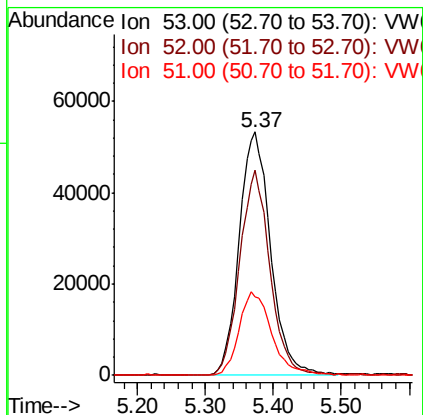
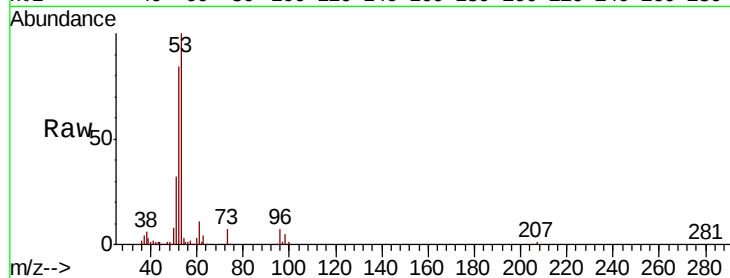
Tot Ion: 53 Resp: 171796

Ion Ratio Lower Upper

53 100

52 80.7 66.5 99.7

51 35.7 28.4 42.6



#16

Acetone

Concen: 99.831 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004704.D

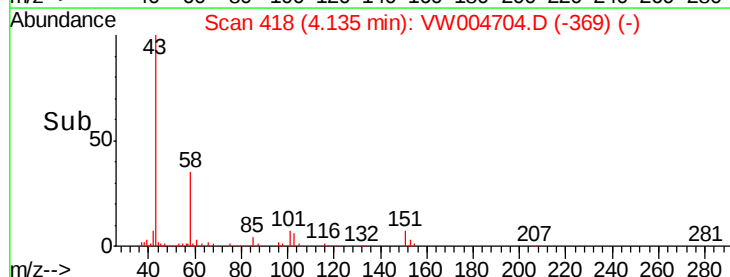
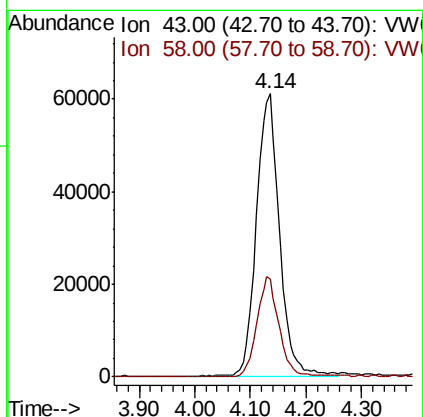
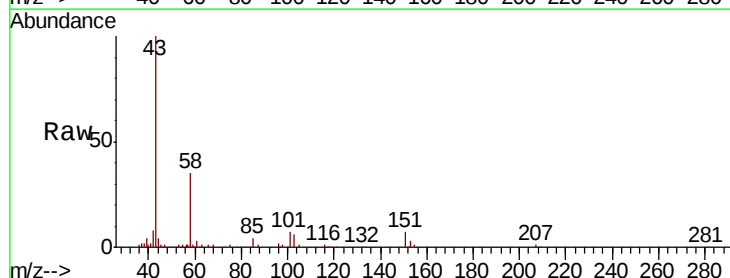
Acq: 15 Aug 2018 19:27

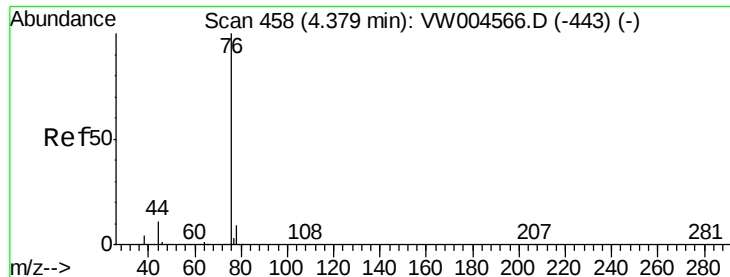
Tgt Ion: 43 Resp: 179012

Ion Ratio Lower Upper

43 100

58 34.6 26.8 40.2

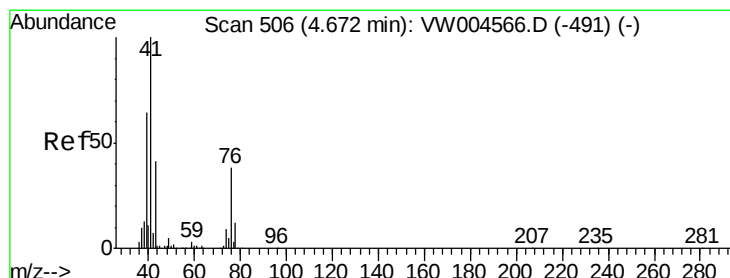
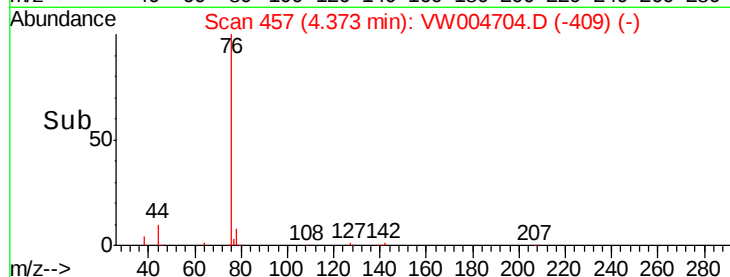
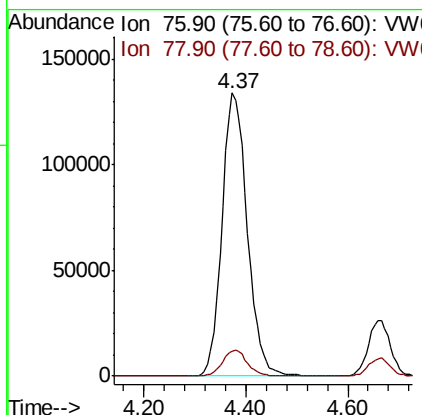
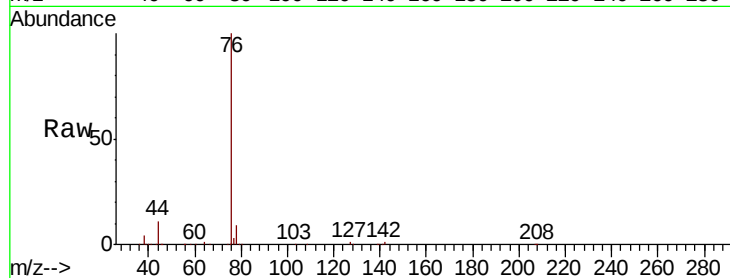




#17
Carbon Disulfide
Concen: 20.088 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.01 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

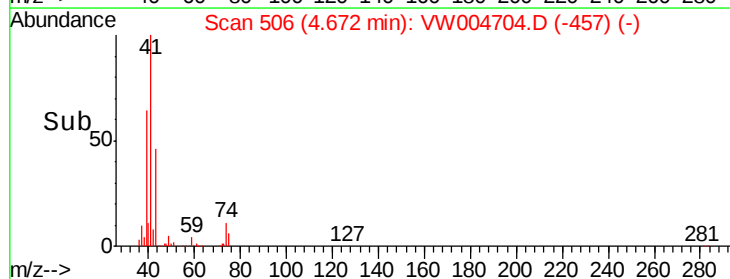
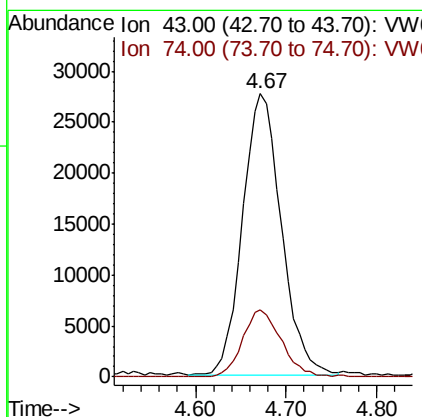
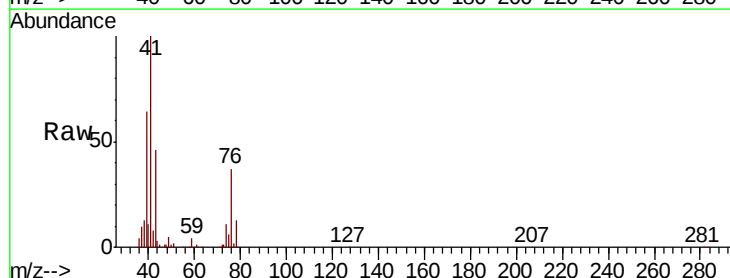
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

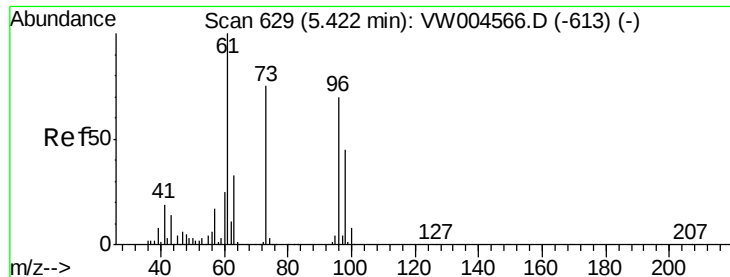
Tot Ion: 76 Resp: 459217
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#18
Methyl Acetate
Concen: 18.222 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 43 Resp: 81478
Ion Ratio Lower Upper
43 100
74 23.7 19.1 28.7

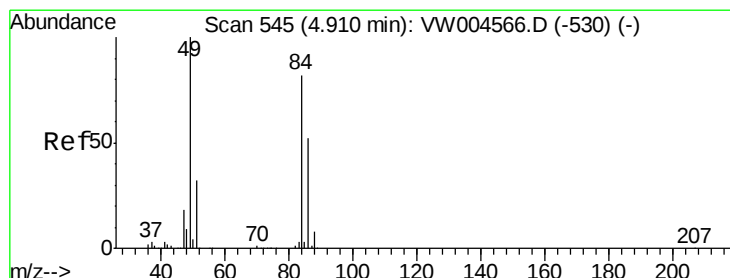
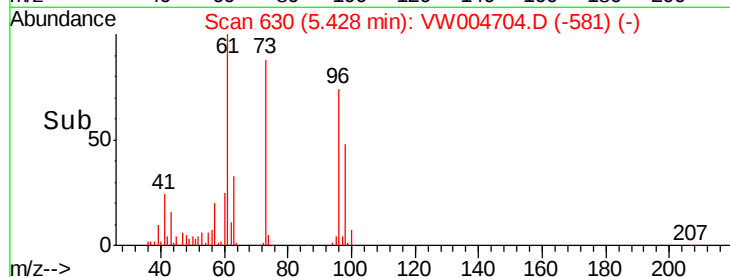
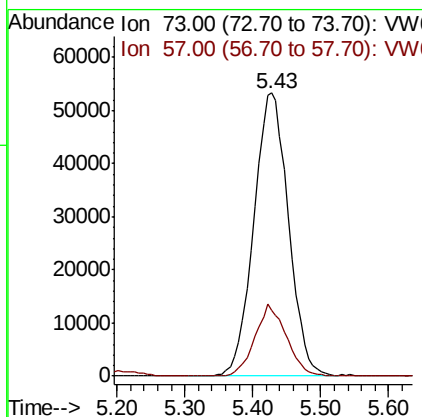
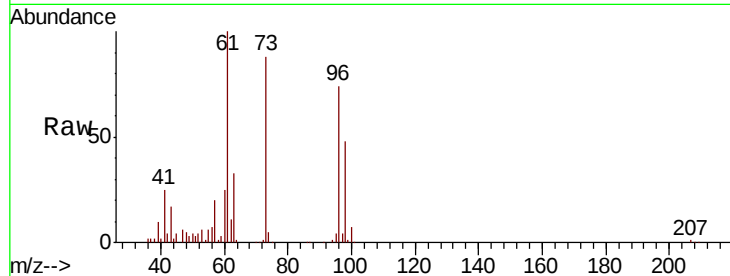




#19
Methyl tert-butyl Ether
Concen: 19.534 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

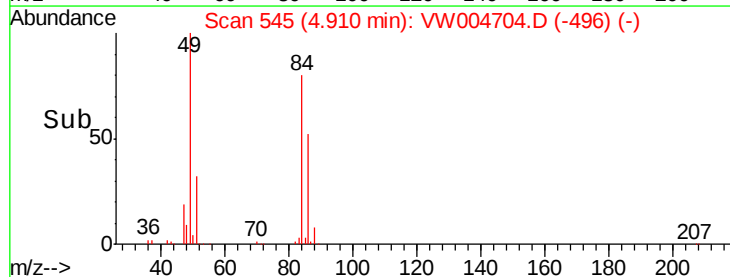
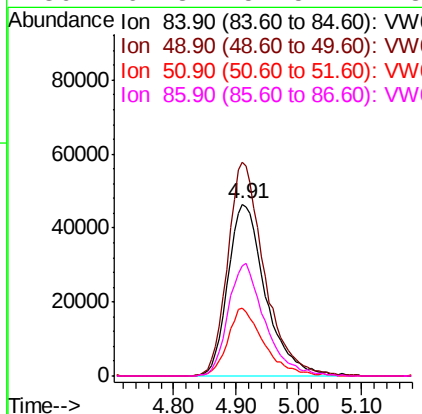
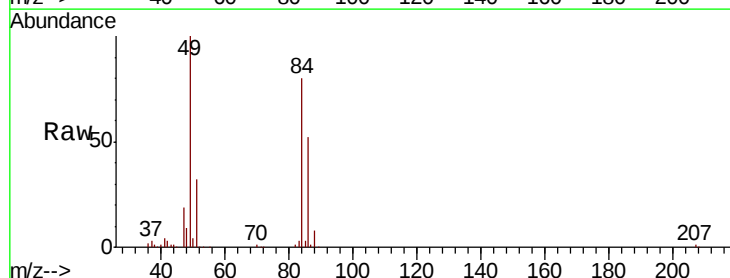
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

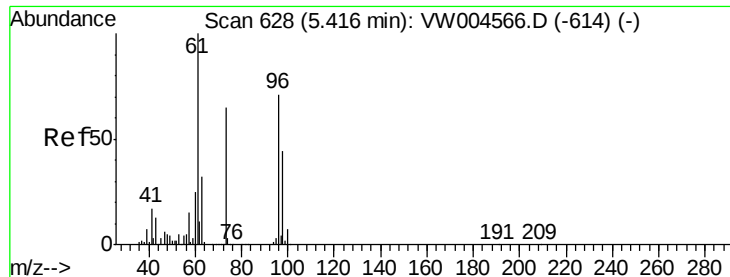
Tot Ion: 73 Resp: 189526
Ion Ratio Lower Upper
73 100
57 23.1 19.6 29.4



#20
Methylene Chloride
Concen: 15.925 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 84 Resp: 192355
Ion Ratio Lower Upper
84 100
49 124.5 99.6 149.4
51 39.7 31.0 46.4
86 64.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.091 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

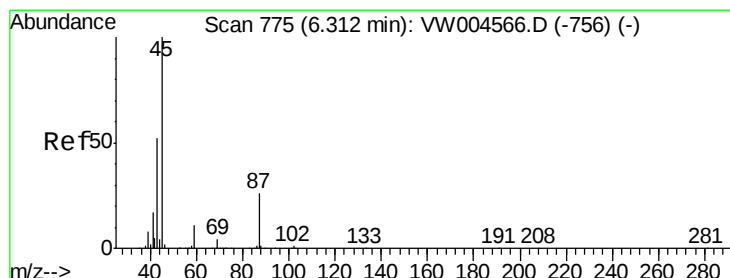
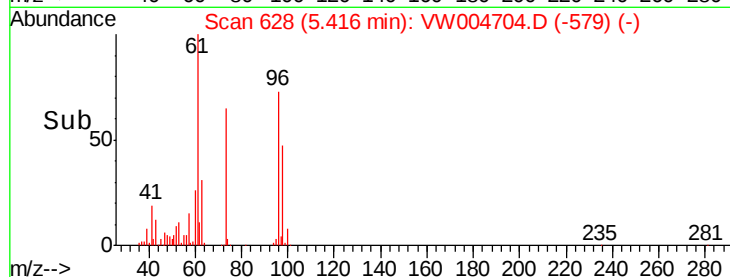
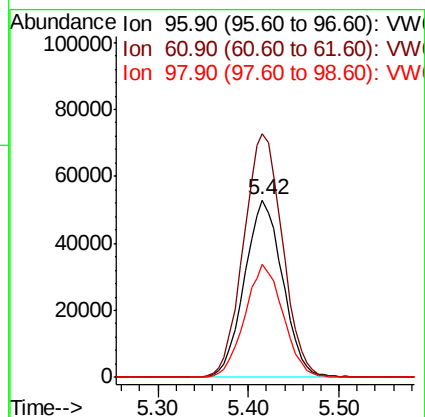
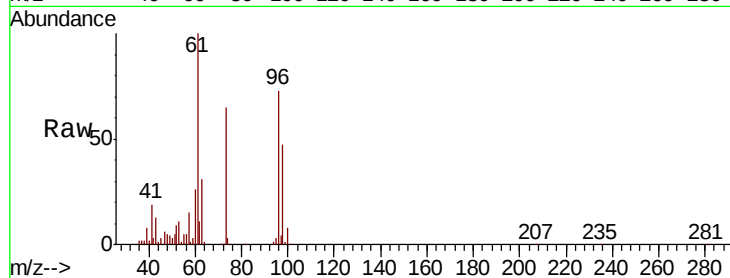
Tot Ion: 96 Resp: 154011

Ion Ratio Lower Upper

96 100

61 137.5 114.1 171.1

98 64.0 51.4 77.2



#22

Diisopropyl ether

Concen: 20.682 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Tgt Ion: 45 Resp: 454232

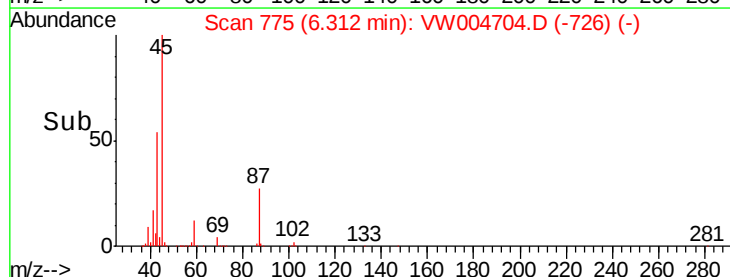
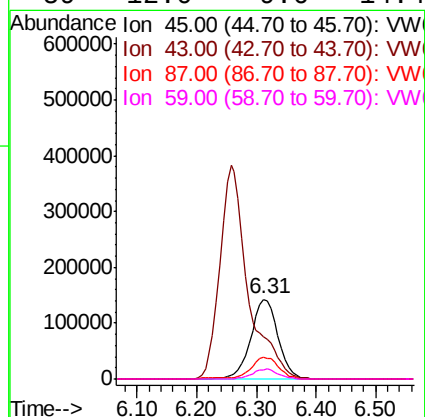
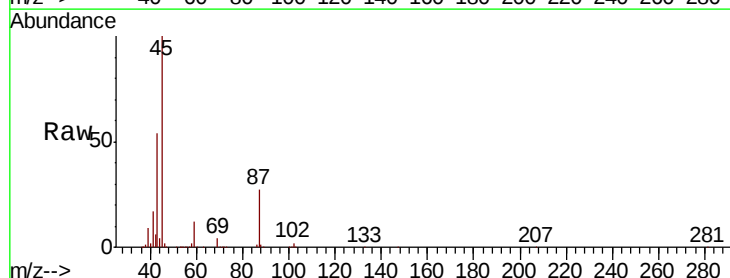
Ion Ratio Lower Upper

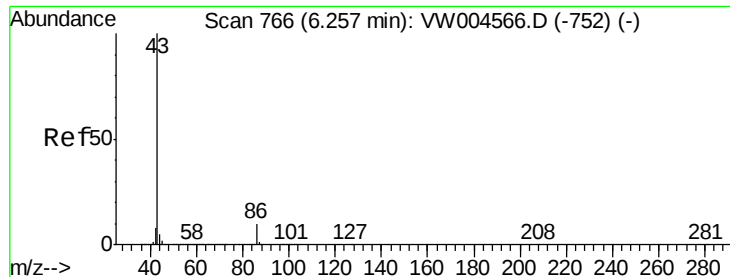
45 100

43 53.8 42.4 63.6

87 26.7 21.6 32.4

59 12.0 9.6 14.4

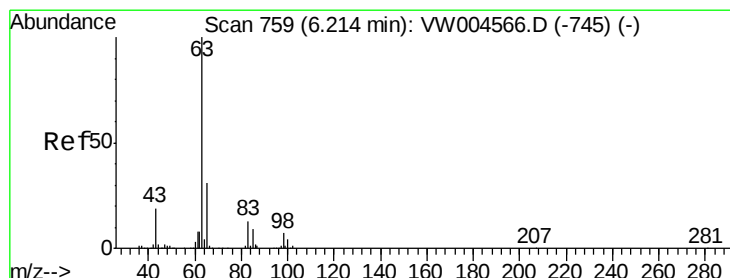
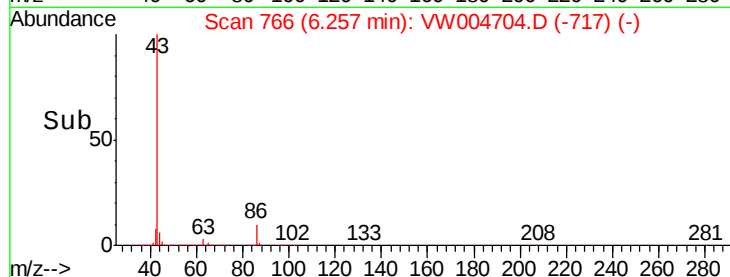
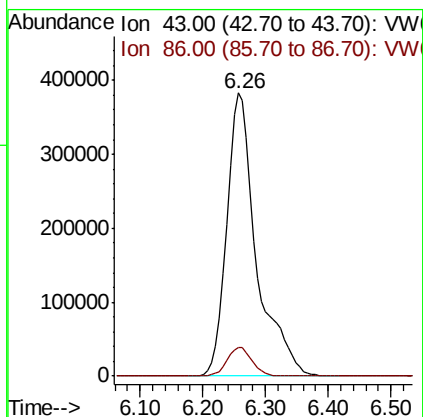
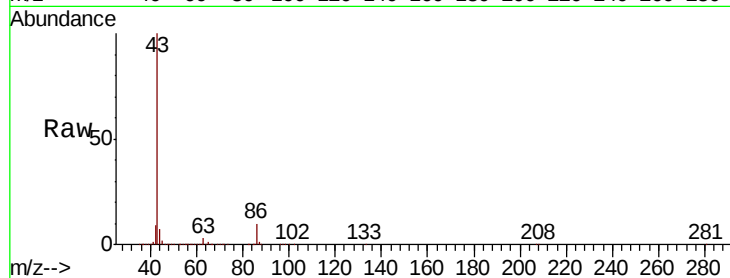




#23
 Vinyl Acetate
 Concen: 94.916 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

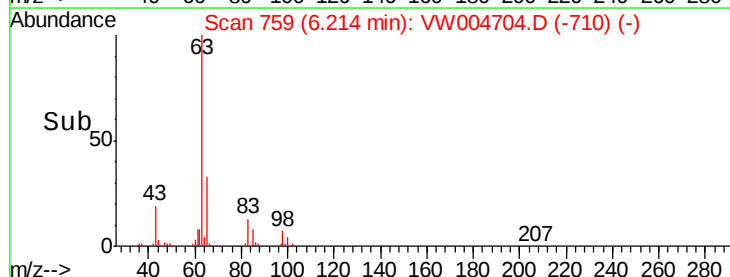
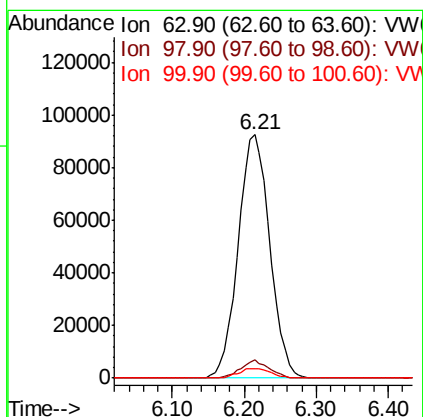
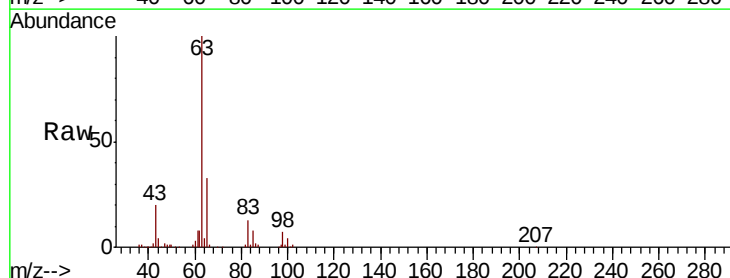
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0817SBS01

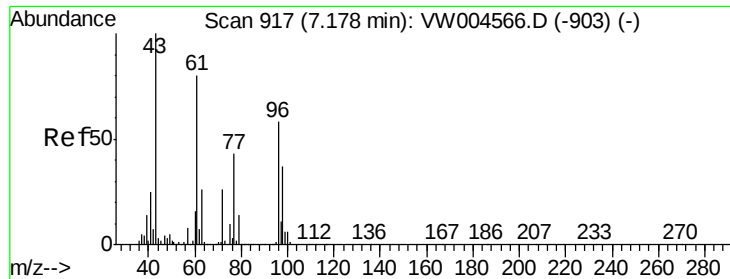
Tot Ion: 43 Resp: 1252823
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 20.025 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion: 63 Resp: 281503
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.1 9.3
 100 3.7 2.1 6.5





#25

2-Butanone

Concen: 90.999 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleID :

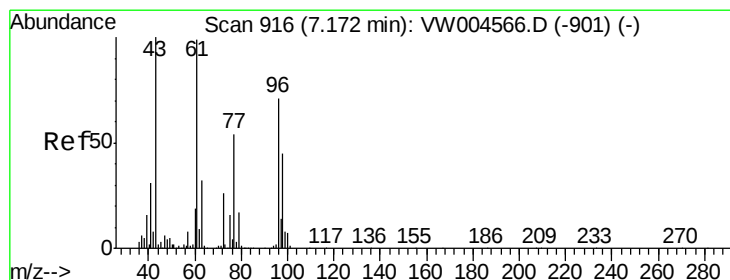
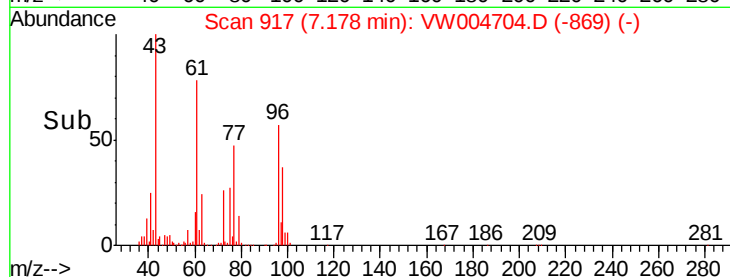
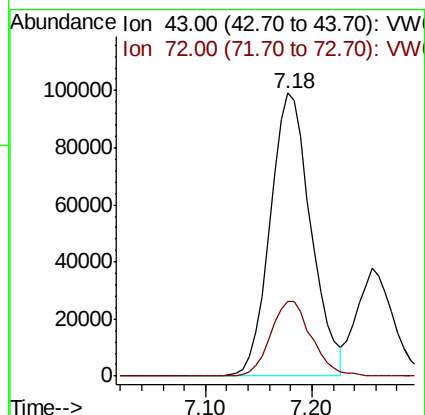
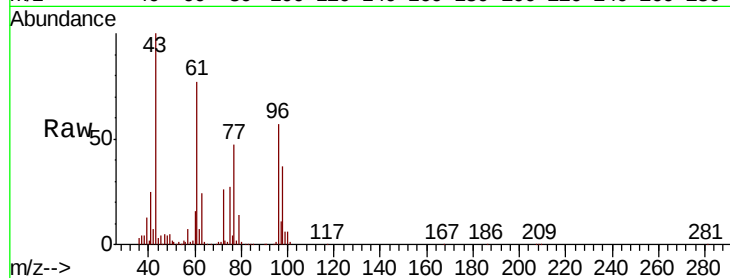
VW0817SBS01

Tot Ion: 43 Resp: 262479

Ion Ratio Lower Upper

43 100

72 26.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 20.934 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004704.D

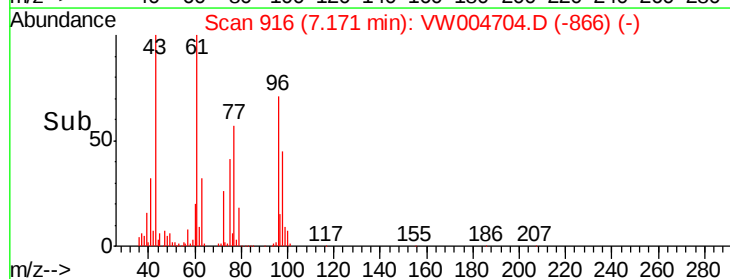
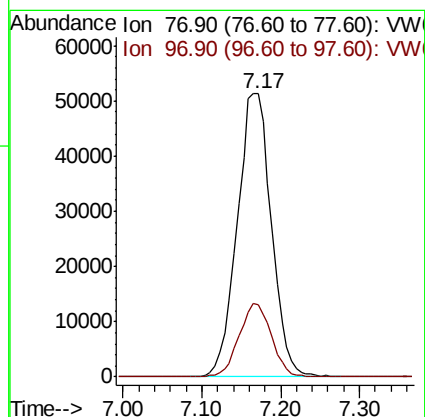
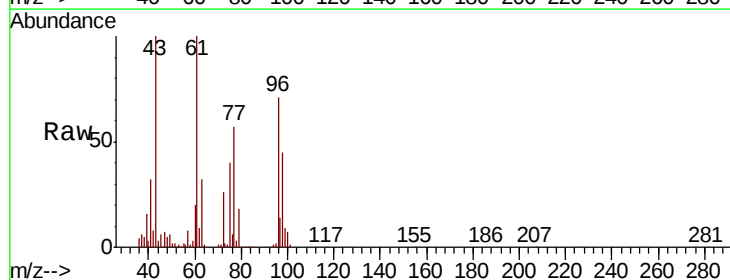
Acq: 15 Aug 2018 19:27

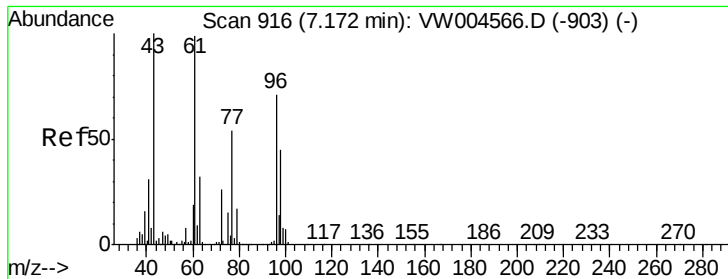
Tgt Ion: 77 Resp: 154454

Ion Ratio Lower Upper

77 100

97 24.5 12.5 37.5



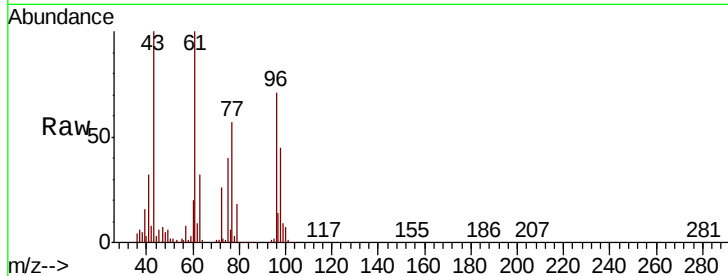


#27

cis-1,2-Dichloroethene
 Concen: 20.485 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	285.0
98	63.4	0.0	128.6

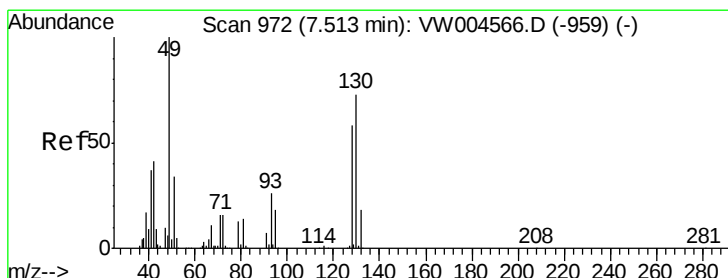
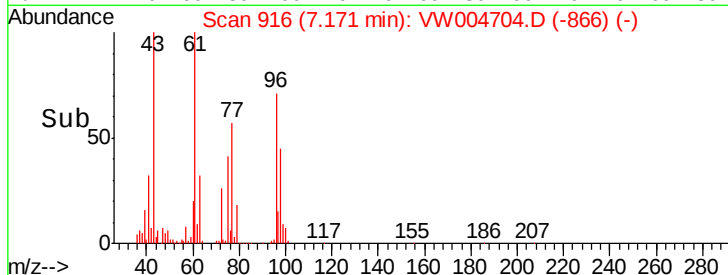
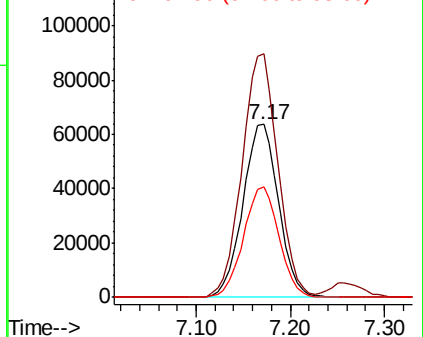


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

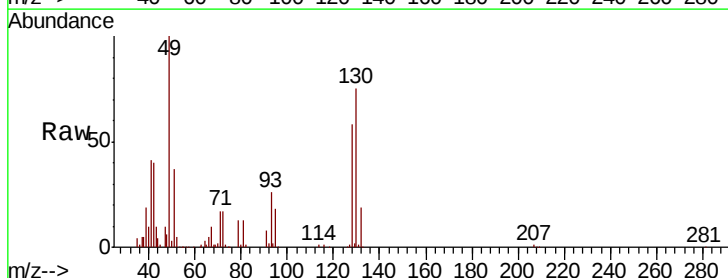
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
 Concen: 19.176 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	76.7	58.8	88.2

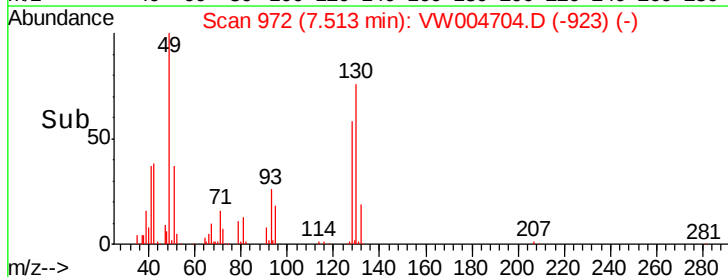
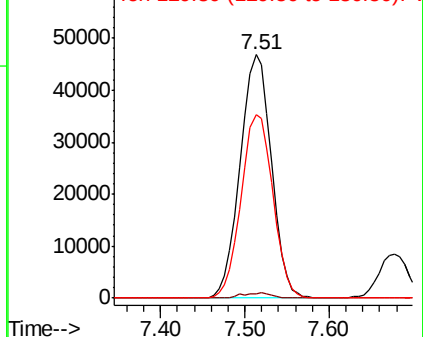


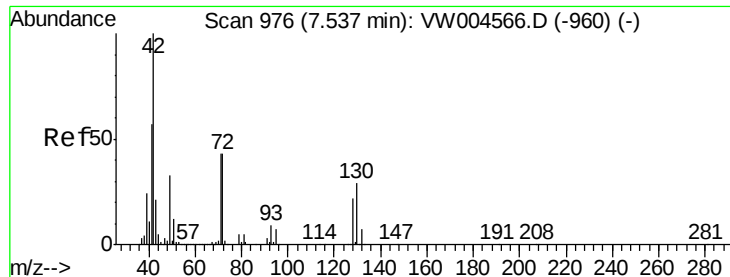
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

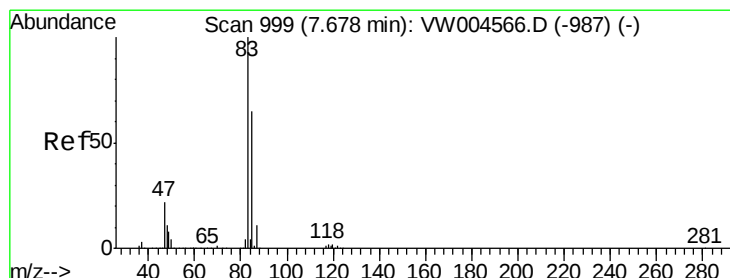
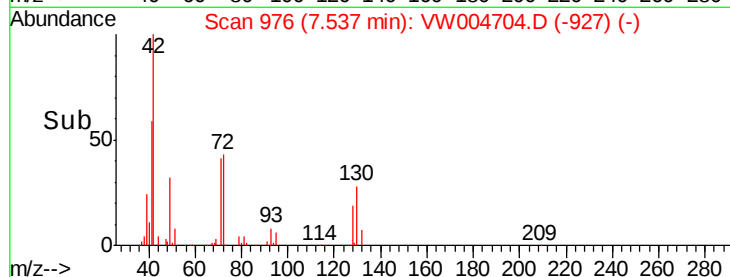
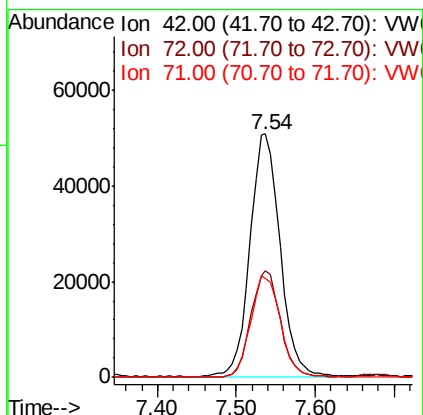
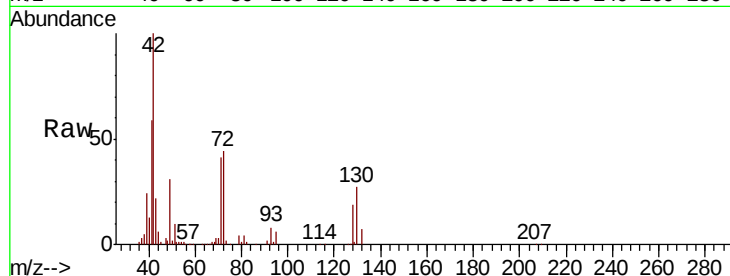




#29
Tetrahydrofuran
Concen: 90.442 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

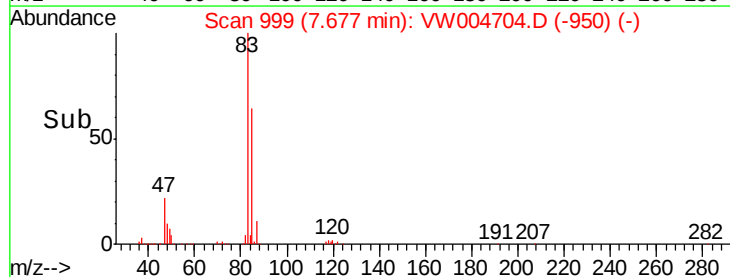
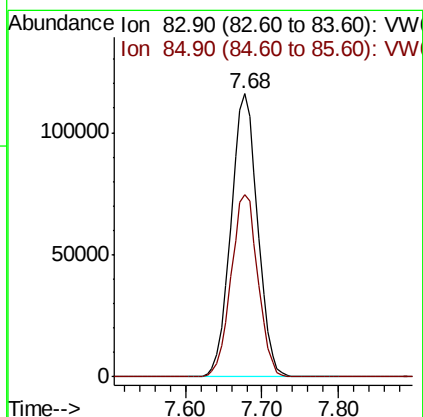
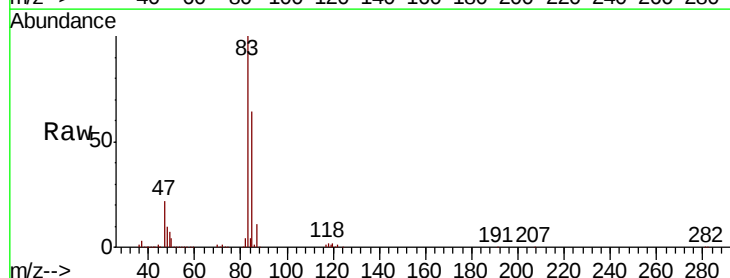
Instrument :
MSVOA_W
ClientSampled :
VW0817SBS01

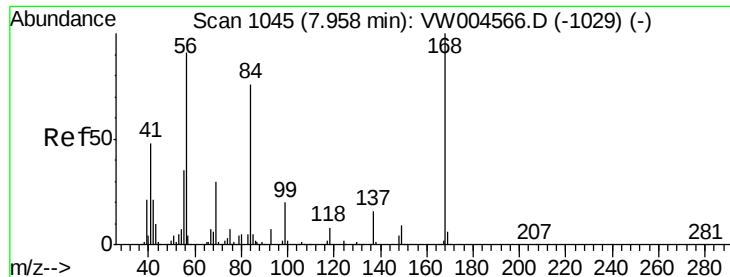
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.1	51.1
71	41.5	32.5	48.7



#30
Chloroform
Concen: 20.224 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9

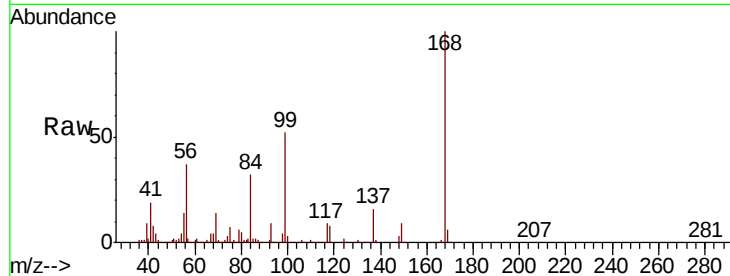




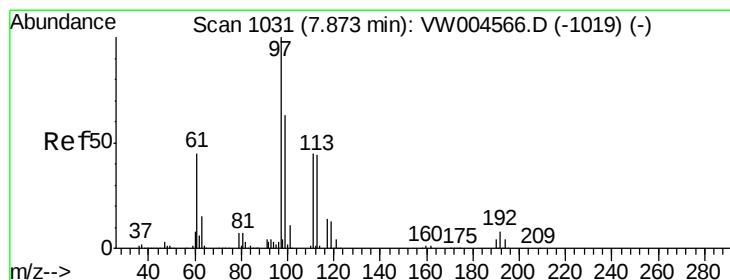
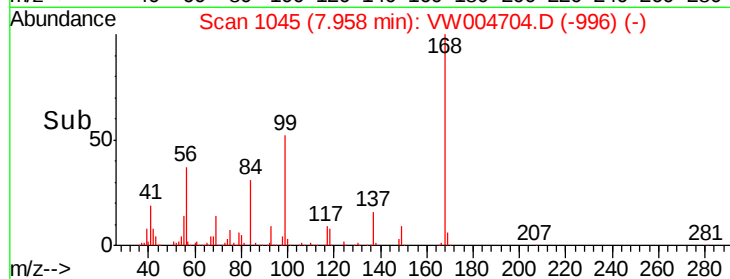
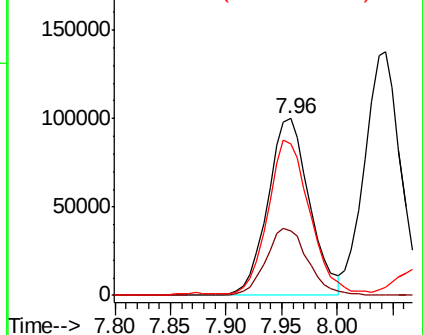
#31
Cyclohexane
Concen: 19.341 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

Tot Ion: 56 Resp: 260136
Ion Ratio Lower Upper
56 100
69 36.4 26.4 39.6
84 84.5 66.9 100.3

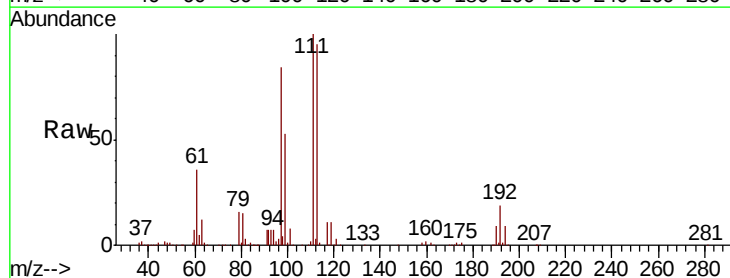


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

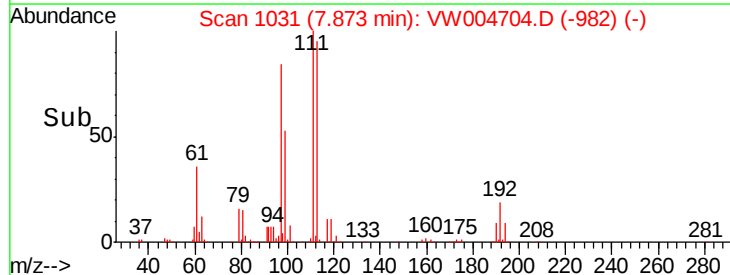
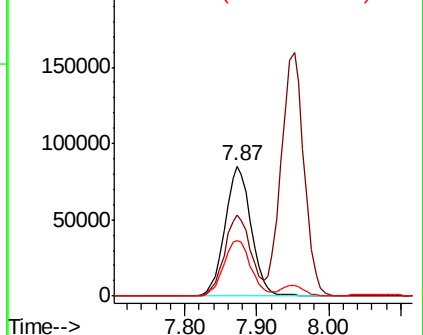


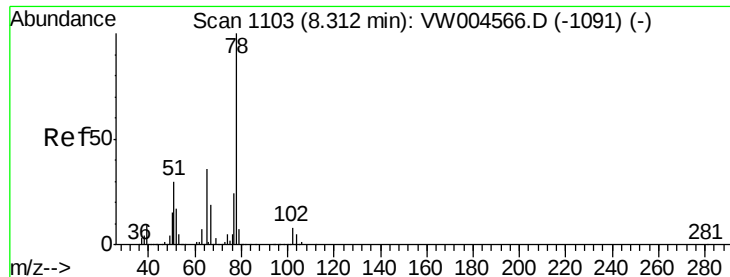
#32
1,1,1-Trichloroethane
Concen: 20.763 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 97 Resp: 215342
Ion Ratio Lower Upper
97 100
99 63.0 51.6 77.4
61 44.4 35.7 53.5



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





#33

1,2-Dichloroethane-d4

Concen: 46.900 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

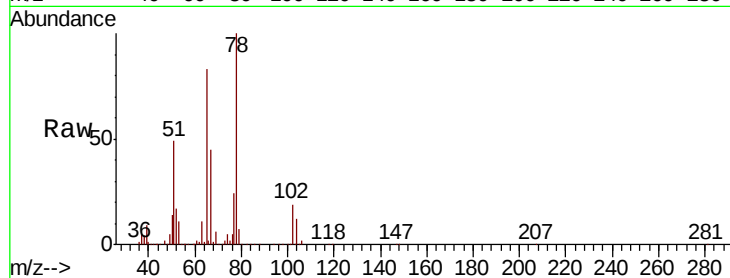
VW0817SBSD01

Tot Ion: 65 Resp: 336751

Ion Ratio Lower Upper

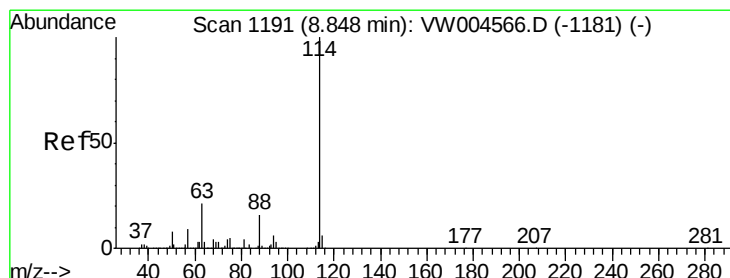
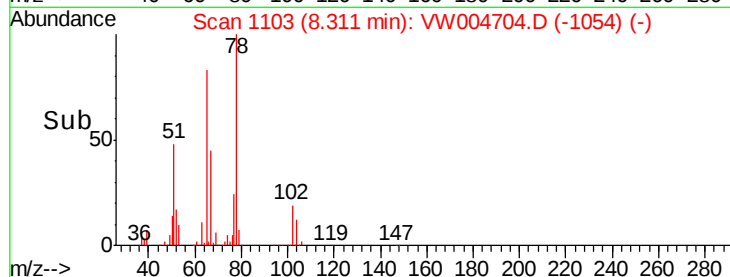
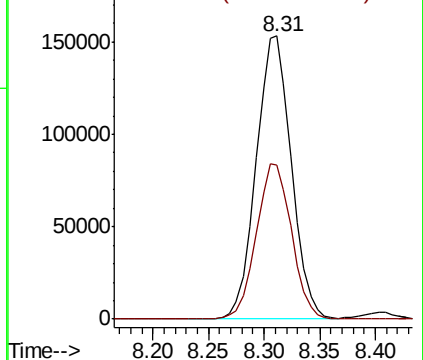
65 100

67 55.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

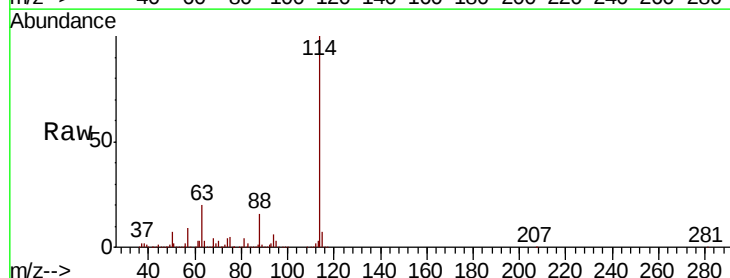
Tgt Ion: 114 Resp: 1002130

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

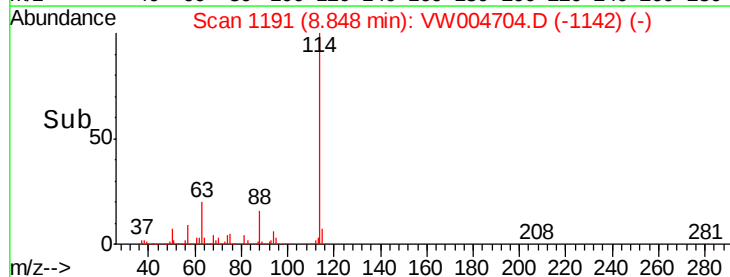
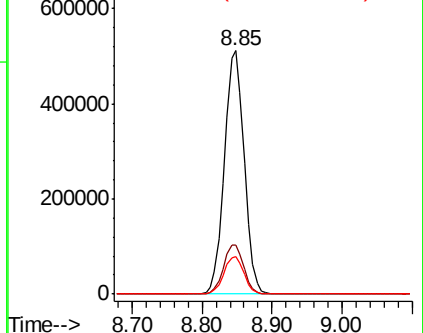
88 15.7 0.0 31.2

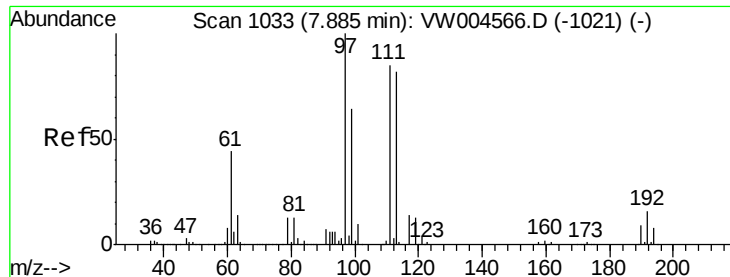


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

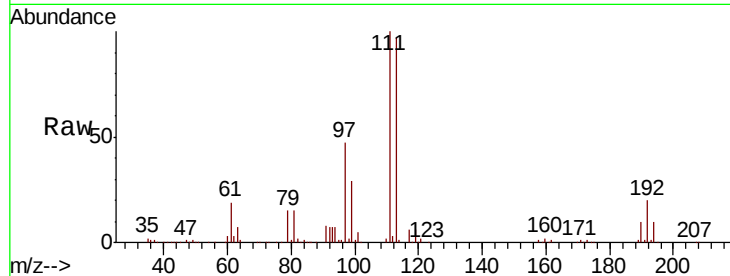




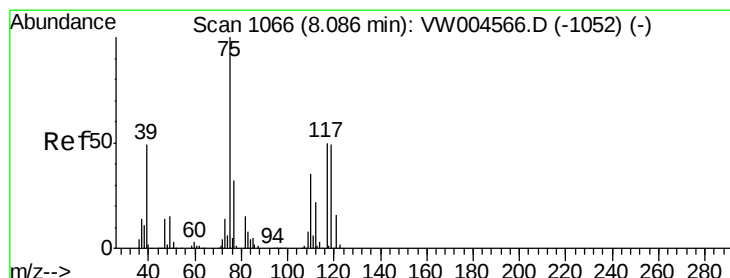
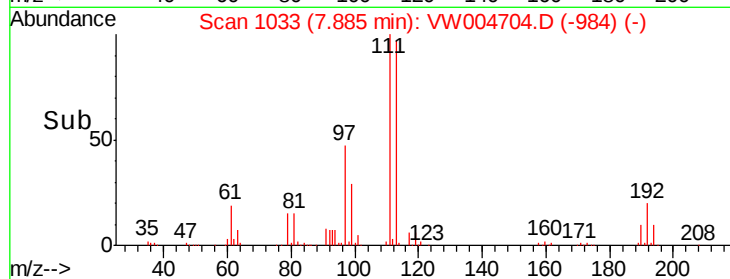
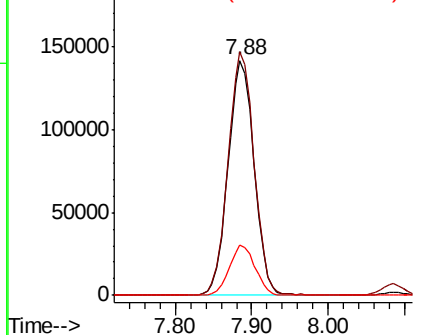
#35
 Dibromofluoromethane
 Concen: 49.930 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	21.1	15.8	23.6

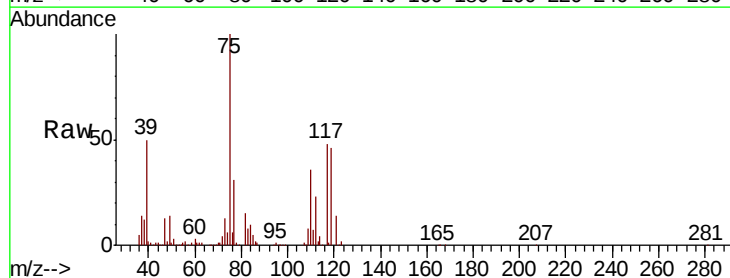


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

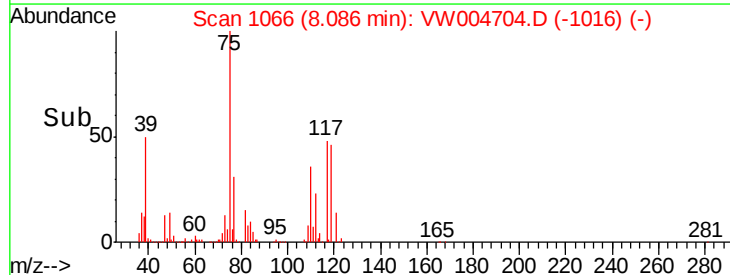
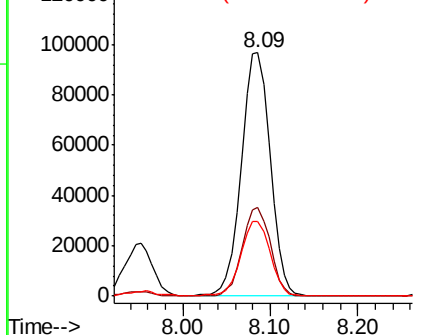


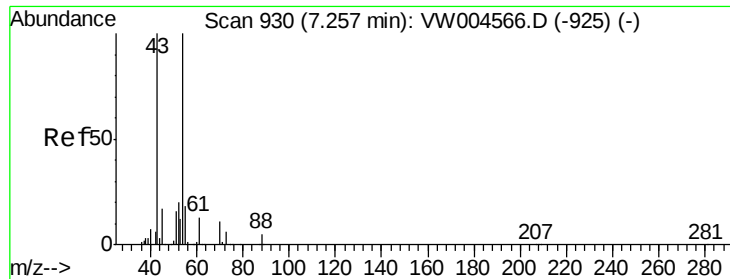
#36
 1,1-Dichloropropene
 Concen: 20.643 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.4	52.2
77	31.6	24.7	37.1



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

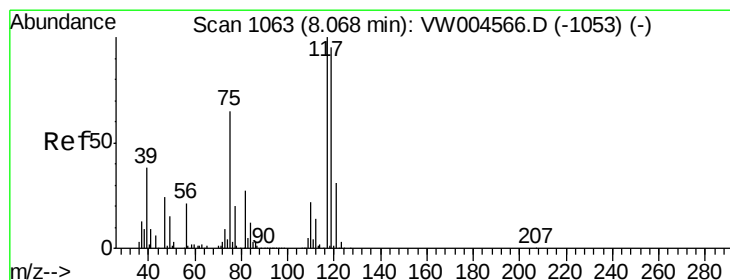
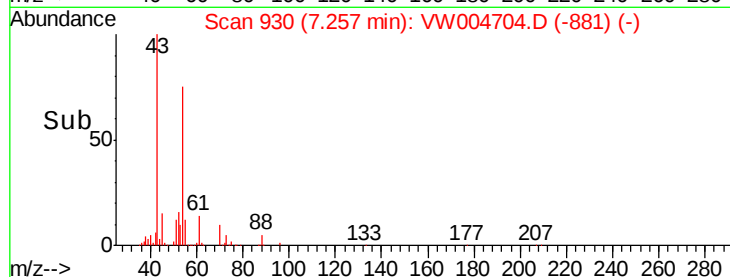
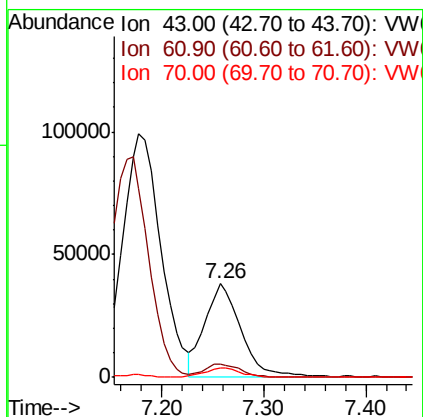
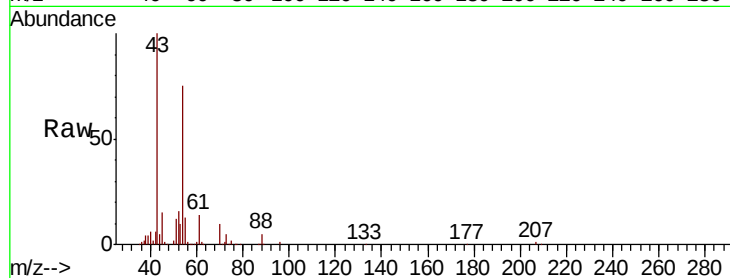




#37
Ethyl Acetate
Concen: 18.333 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

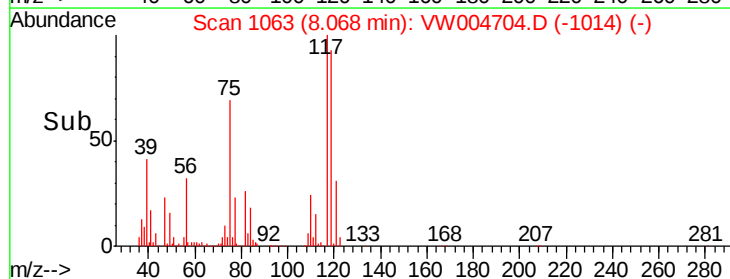
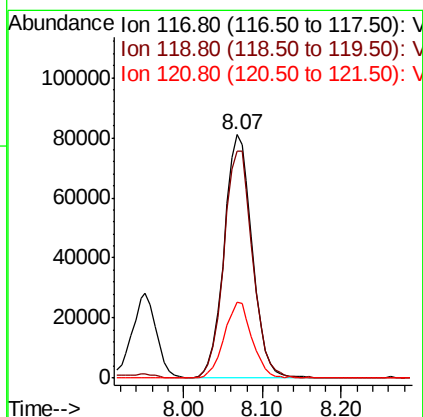
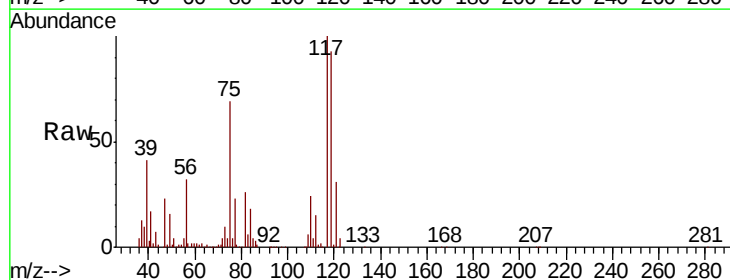
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

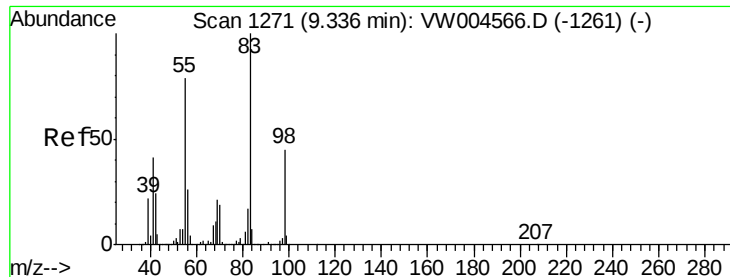
Tot Ion: 43 Resp: 92646
Ion Ratio Lower Upper
43 100
61 14.5 11.9 17.9
70 10.6 8.2 12.4



#38
Carbon Tetrachloride
Concen: 20.644 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 117 Resp: 200448
Ion Ratio Lower Upper
117 100
119 93.3 76.1 114.1
121 30.9 24.2 36.4

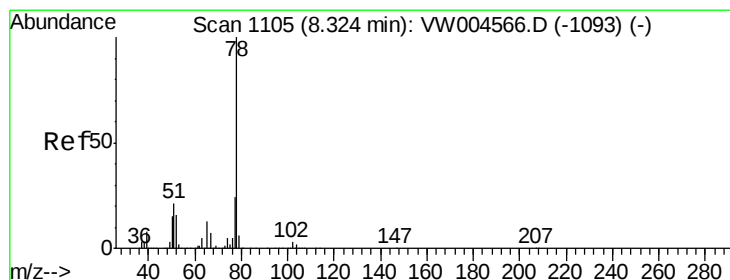
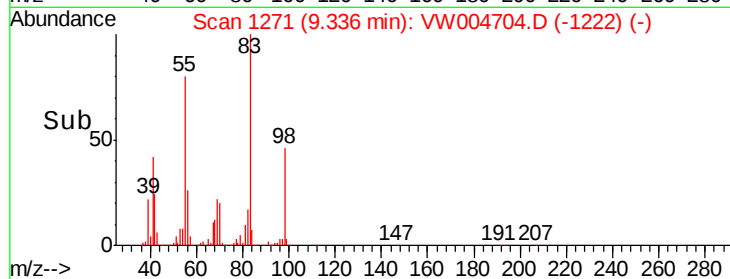
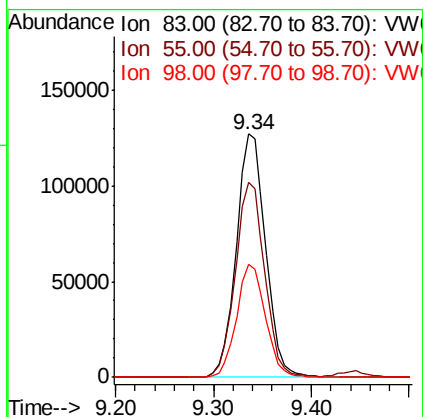
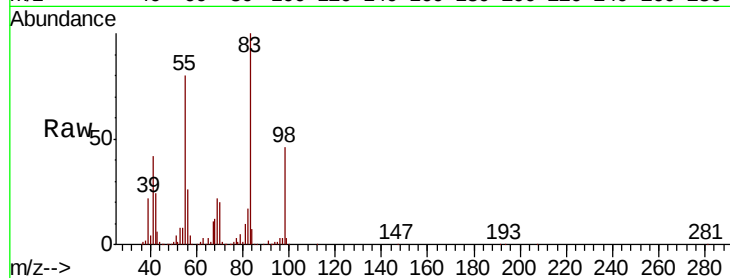




#39
Methvlcvclohexane
Concen: 19.964 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

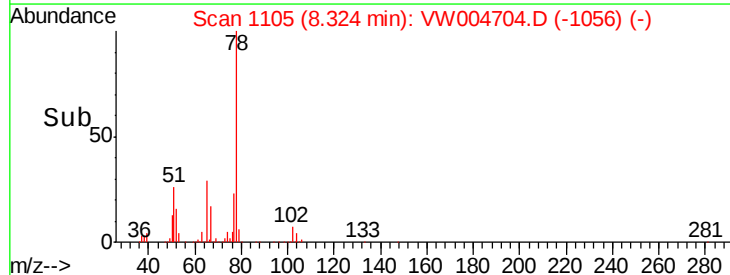
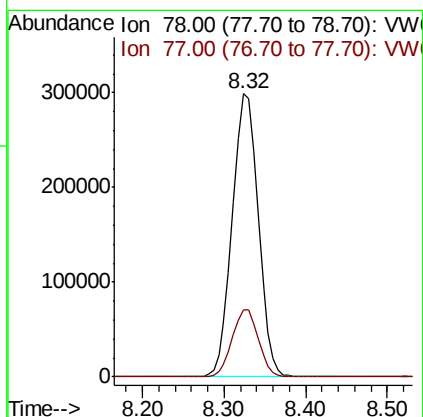
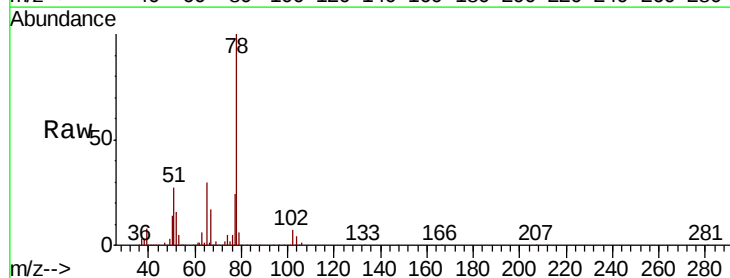
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

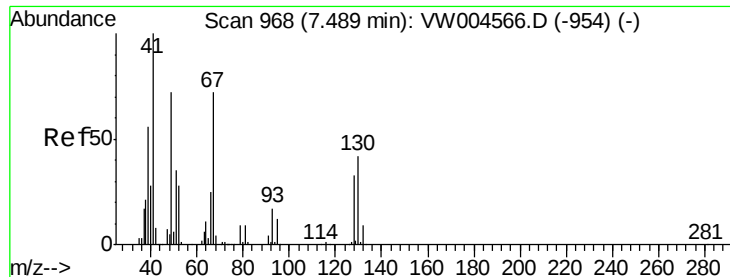
Tot Ion	83	Resp	264044
Ion	Ratio	Lower	Upper
83	100		
55	80.1	62.5	93.7
98	46.3	35.4	53.2



#40
Benzene
Concen: 20.800 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion	78	Resp	659079
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6

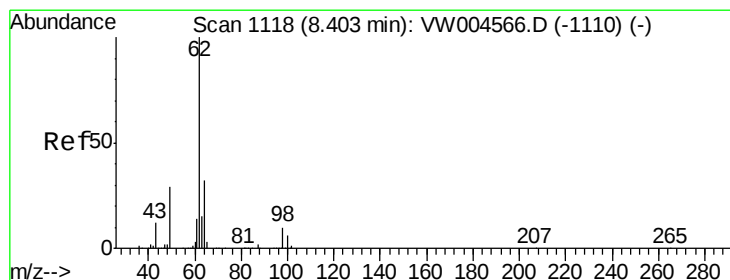
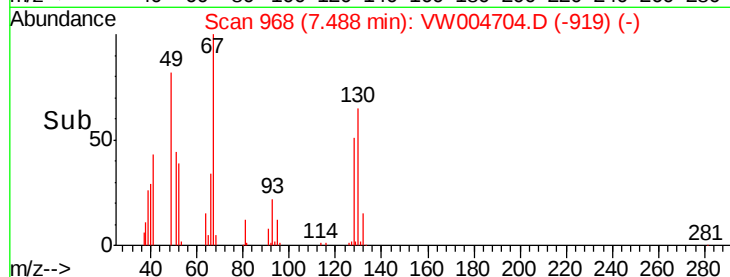
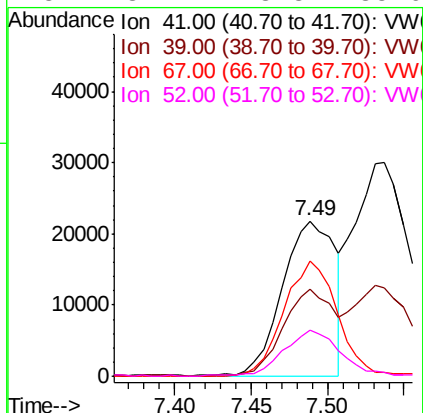
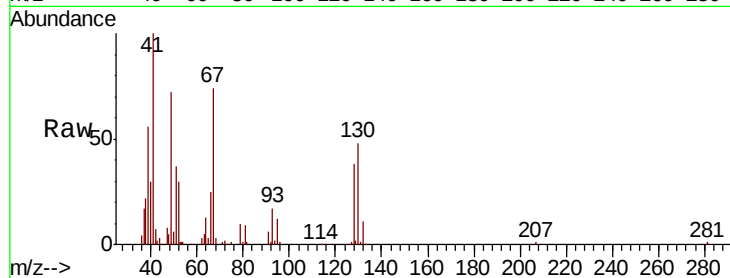




#41
Methacrylonitrile
Concen: 18.457 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

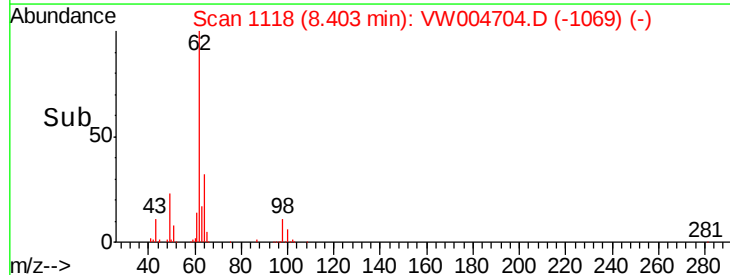
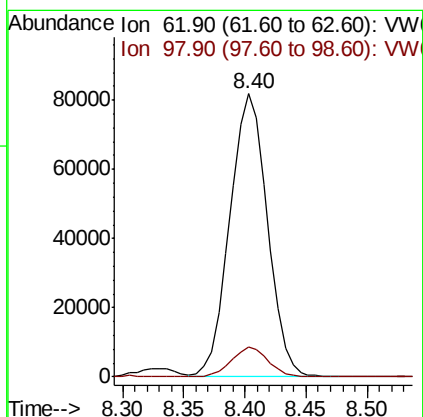
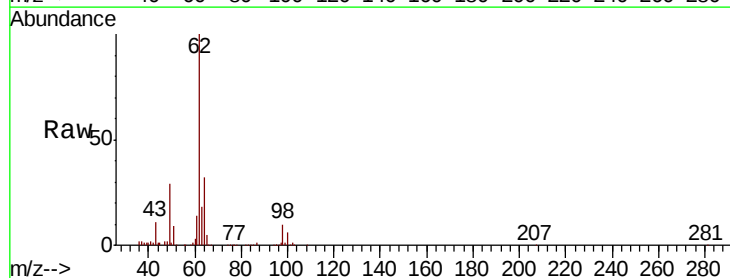
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

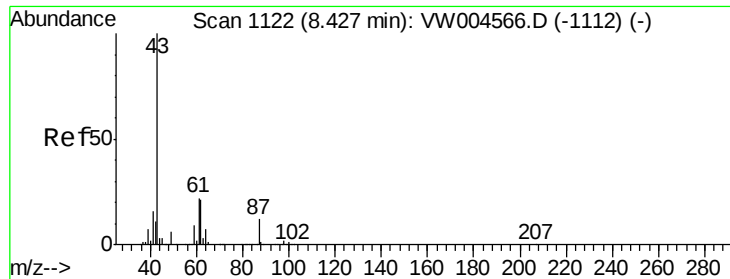
Tot Ion:	41	Resp:	52095
Ion	Ratio	Lower	Upper
41	100		
39	53.1	46.2	69.2
67	75.7	60.8	91.2
52	31.2	23.8	35.6



#42
1,2-Dichloroethane
Concen: 19.849 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion:	62	Resp:	174007
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 18.526 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

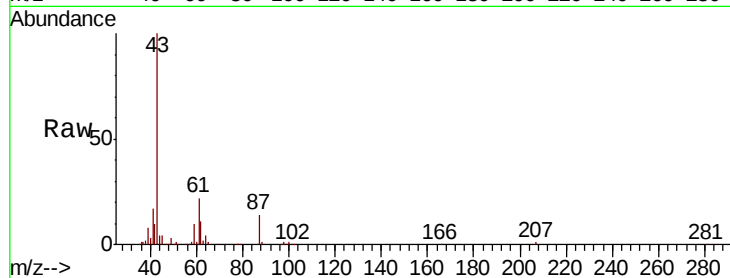
Tot Ion: 43 Resp: 163195

Ion Ratio Lower Upper

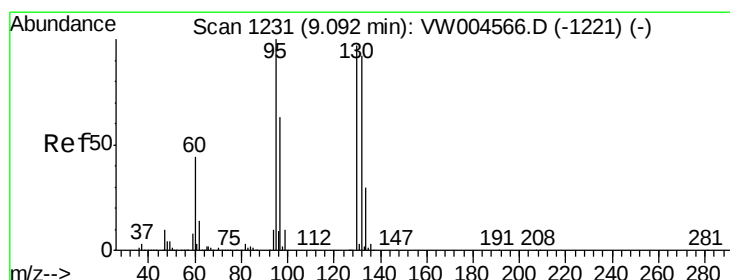
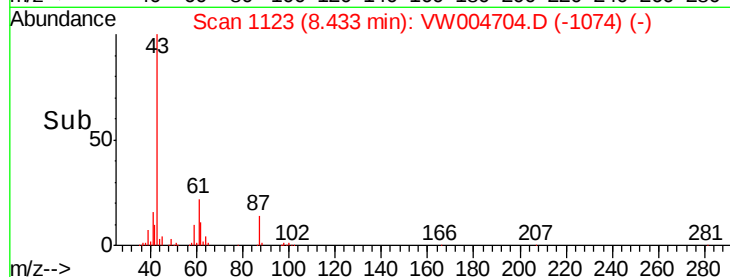
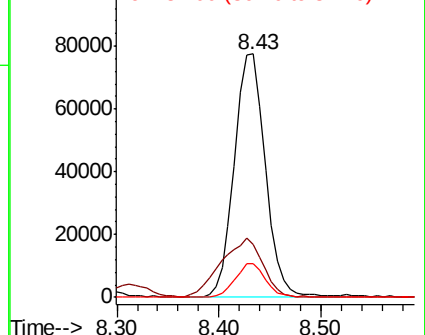
43 100

61 33.0 25.2 37.8

87 13.5 10.6 16.0



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



#44

Trichloroethene

Concen: 20.791 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004704.D

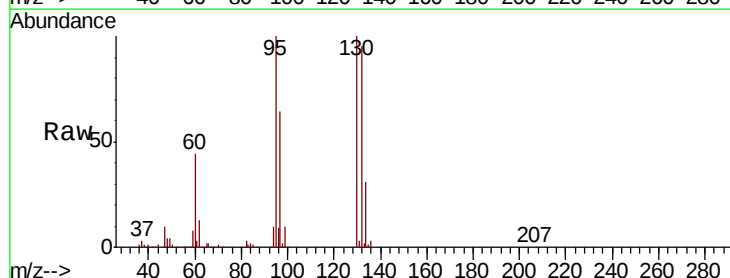
Acq: 15 Aug 2018 19:27

Tgt Ion: 130 Resp: 161880

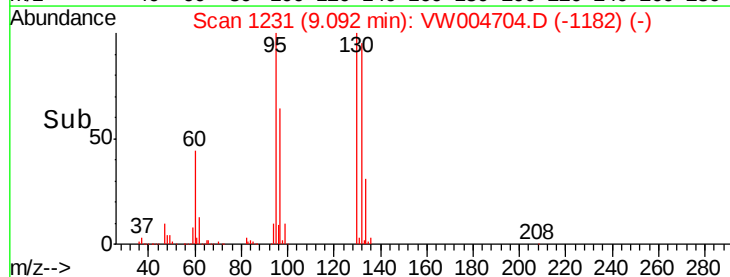
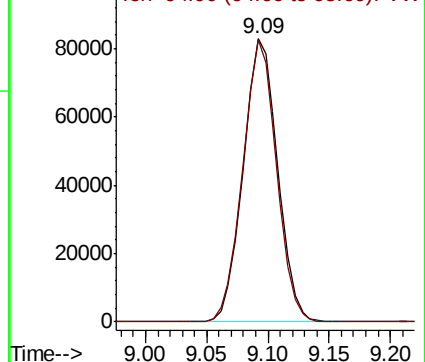
Ion Ratio Lower Upper

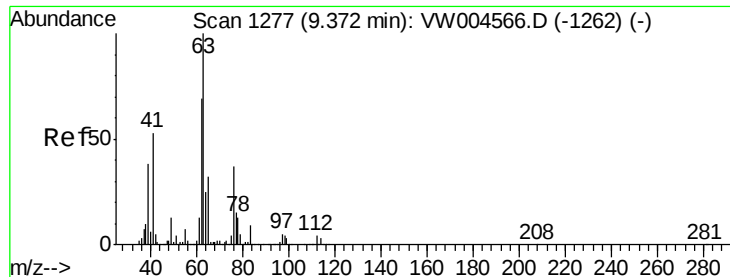
130 100

95 99.7 0.0 196.2



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

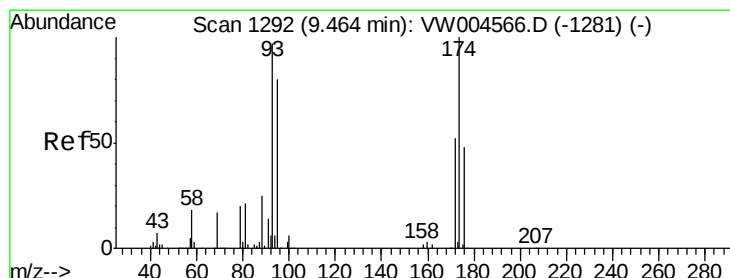
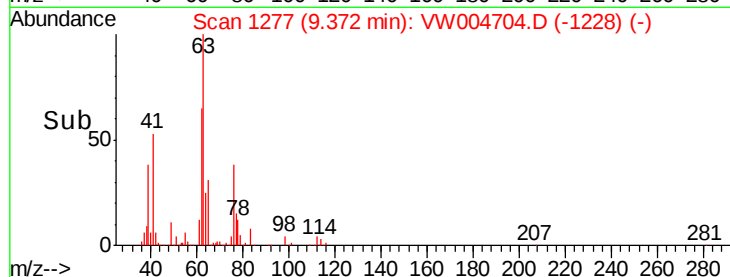
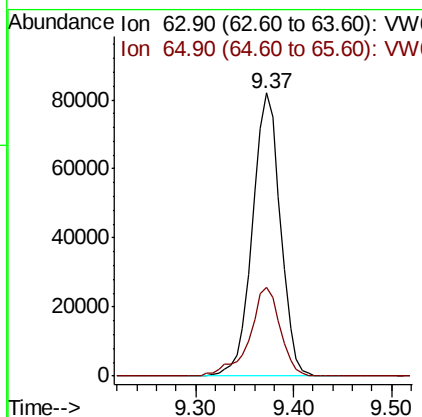
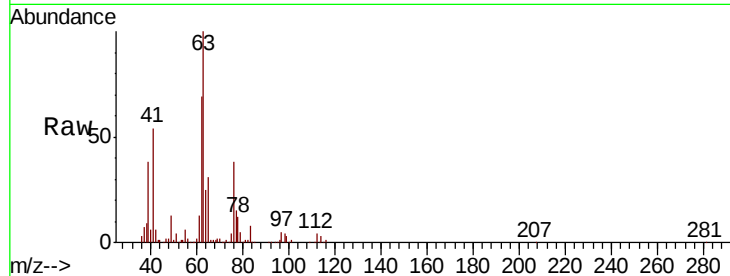




#45
 1,2-Dichloropropane
 Concen: 20.443 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

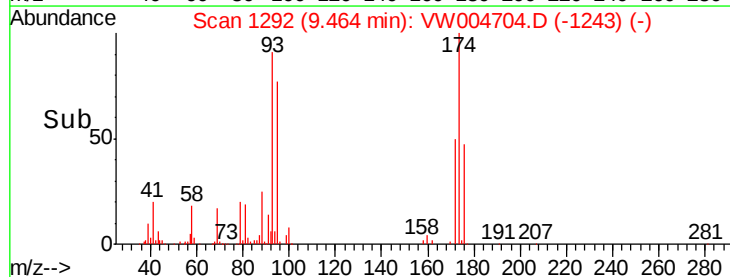
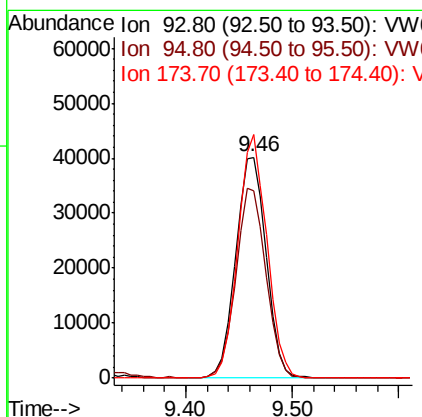
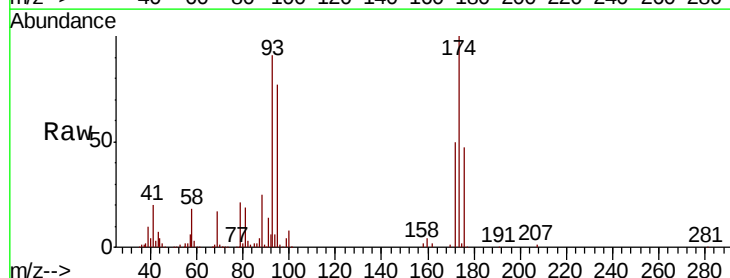
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

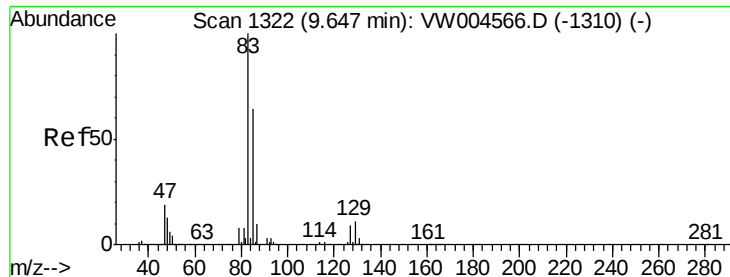
Tot Ion: 63 Resp: 162217
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.5 36.7



#46
 Dibromomethane
 Concen: 19.996 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion: 93 Resp: 80777
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.0 100.4
 174 104.7 80.2 120.4





#47

Bromodichloromethane

Concen: 20.169 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

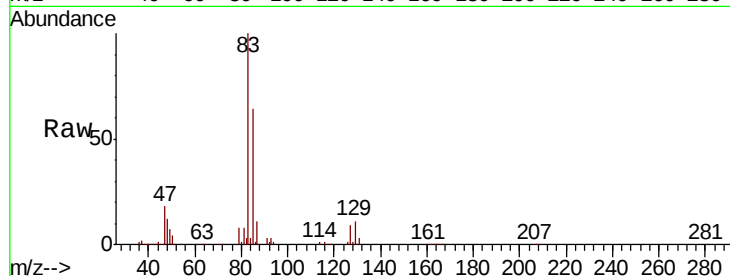
Tot Ion: 83 Resp: 192314

Ion Ratio Lower Upper

83 100

85 64.0 50.7 76.1

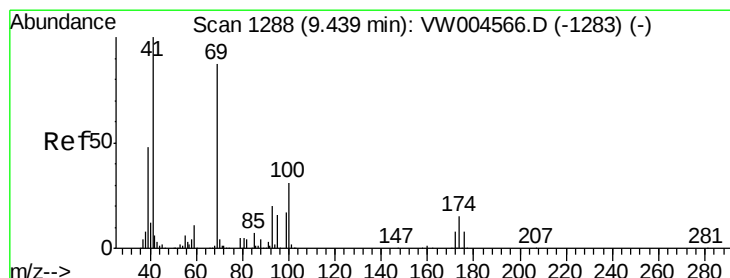
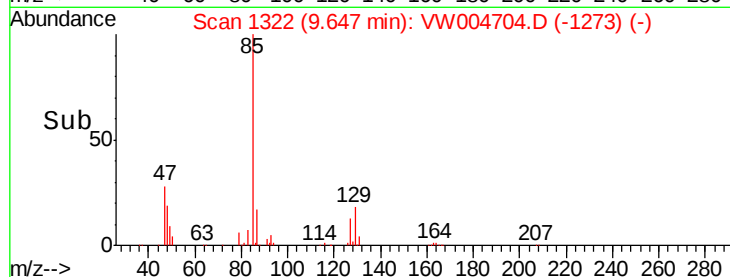
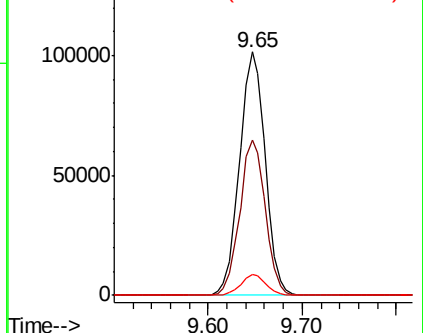
127 8.6 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.785 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

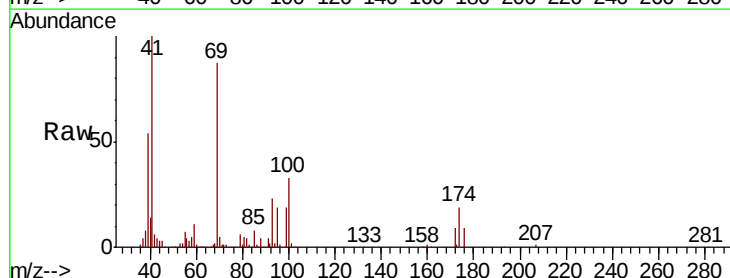
Tgt Ion: 41 Resp: 77340

Ion Ratio Lower Upper

41 100

69 92.8 73.2 109.8

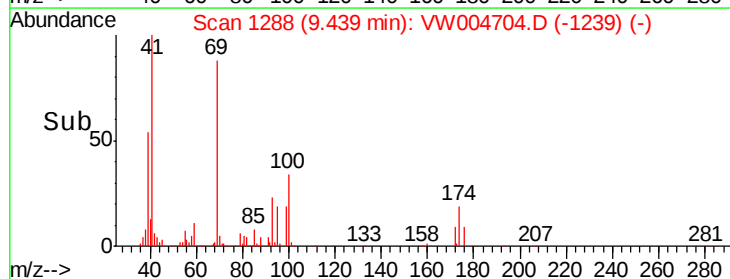
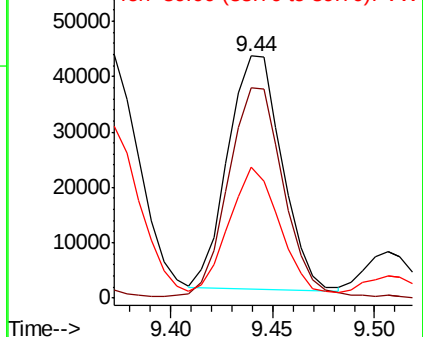
39 49.8 40.6 60.8

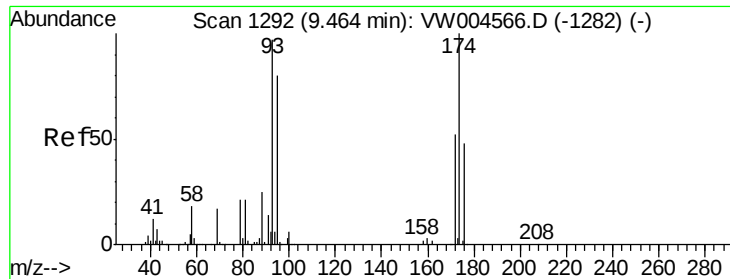


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 388.940 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

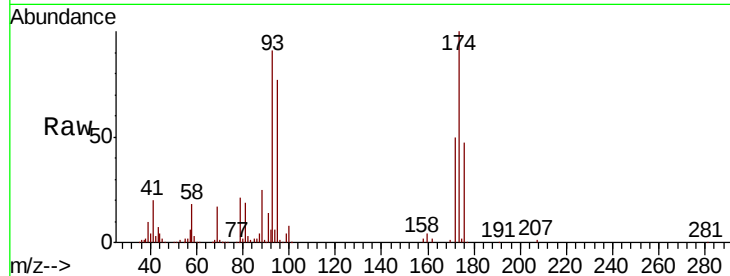
Tot Ion: 88 Resp: 23970

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

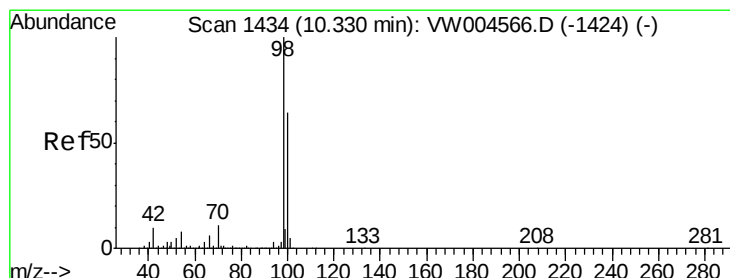
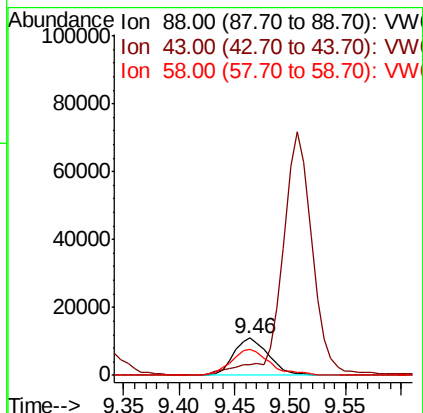
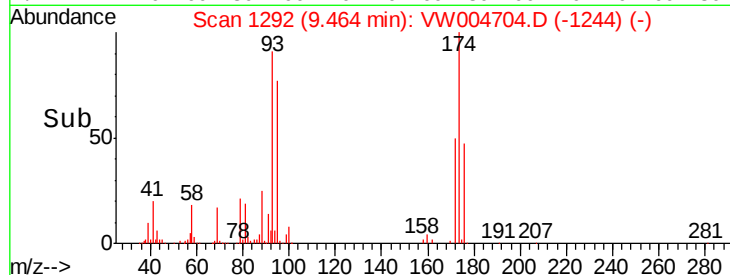
58 80.1 63.5 95.3



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: 51.318 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004704.D

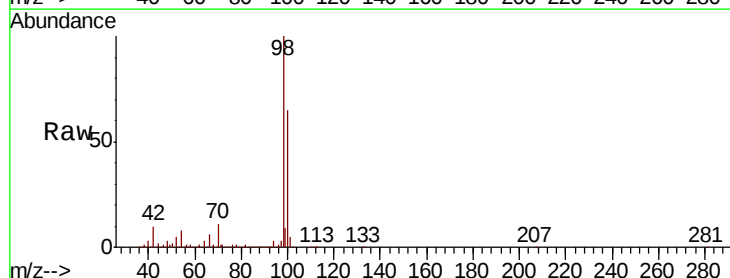
Acq: 15 Aug 2018 19:27

Tgt Ion: 98 Resp: 1307258

Ion Ratio Lower Upper

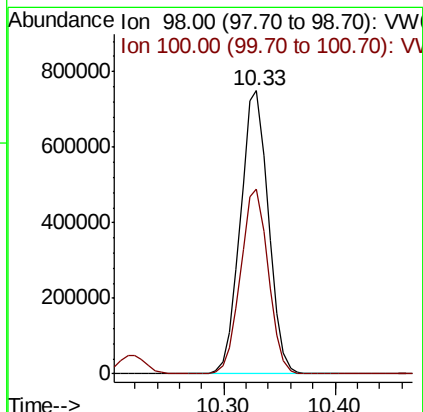
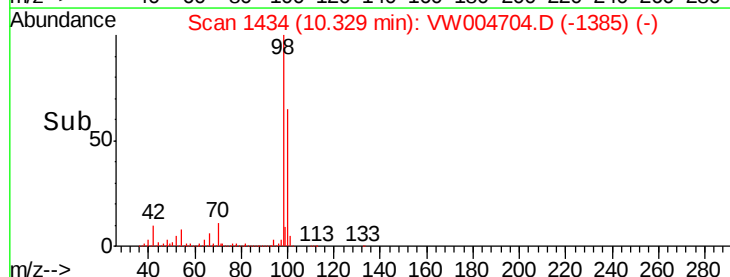
98 100

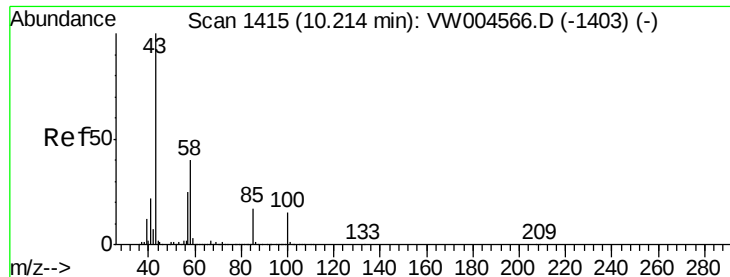
100 64.6 51.4 77.2



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: 94.379 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

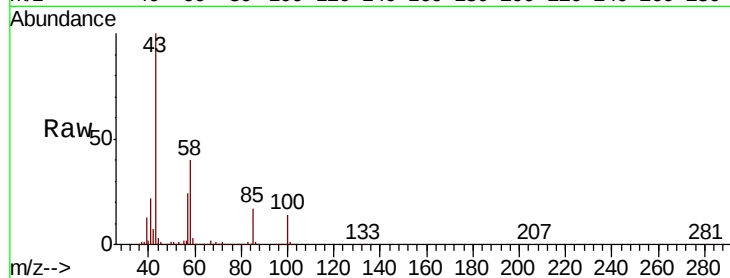
VW0817SBS01

Tot Ion: 43 Resp: 578691

Ion Ratio Lower Upper

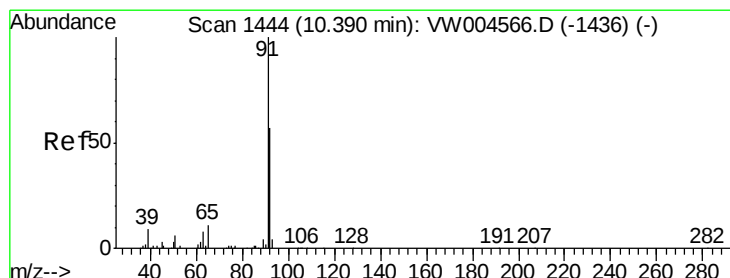
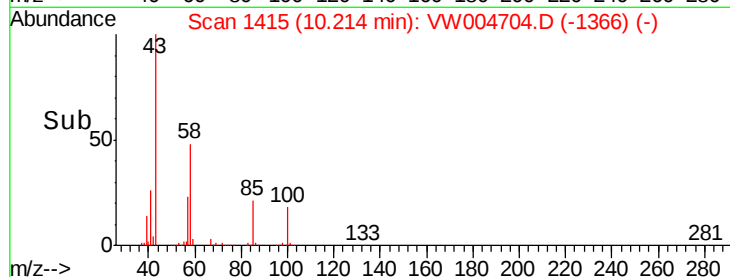
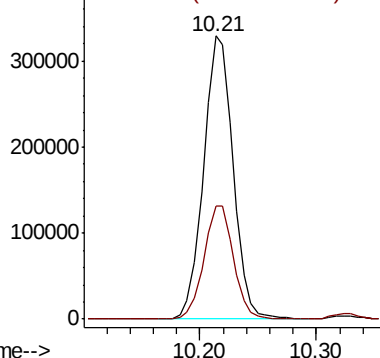
43 100

58 40.2 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.247 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004704.D

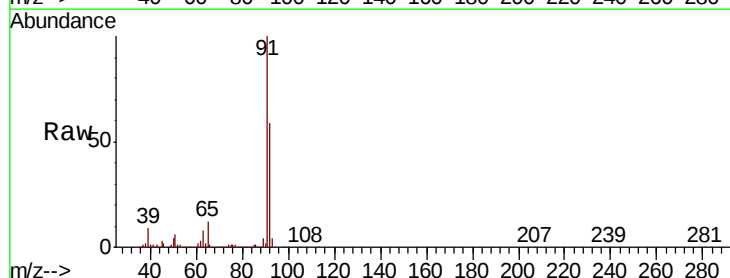
Acq: 15 Aug 2018 19:27

Tgt Ion: 92 Resp: 396992

Ion Ratio Lower Upper

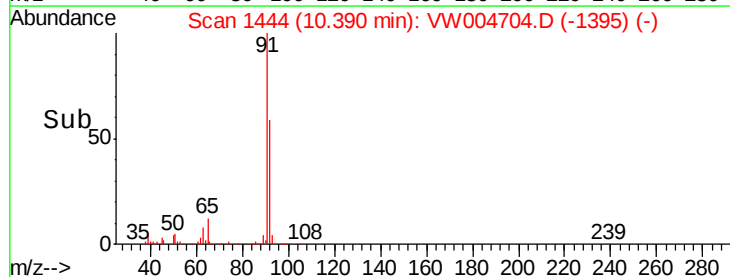
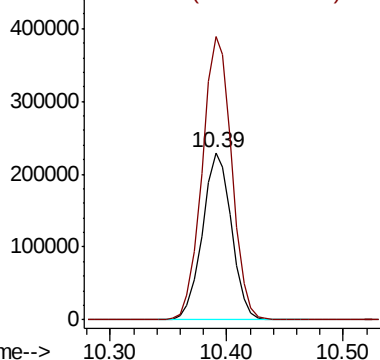
92 100

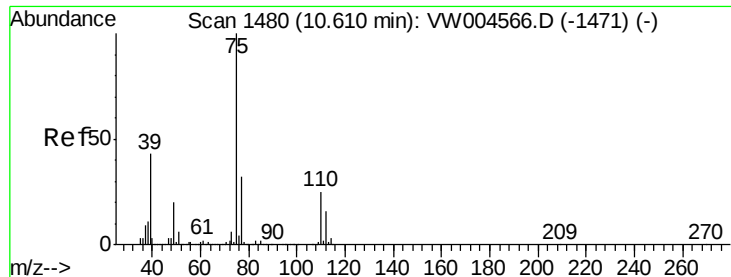
91 172.1 137.9 206.9



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: 19.573 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

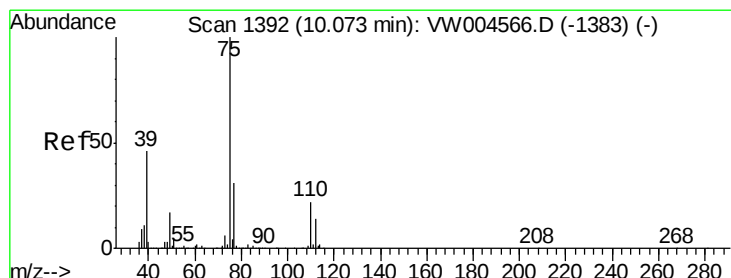
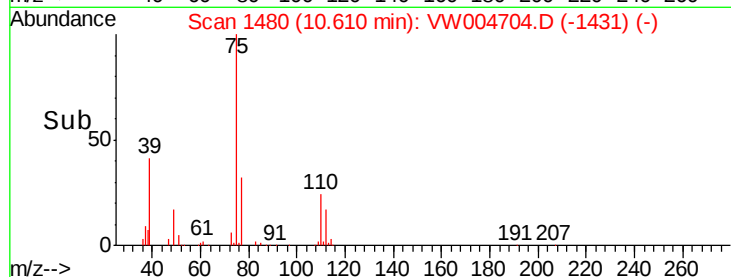
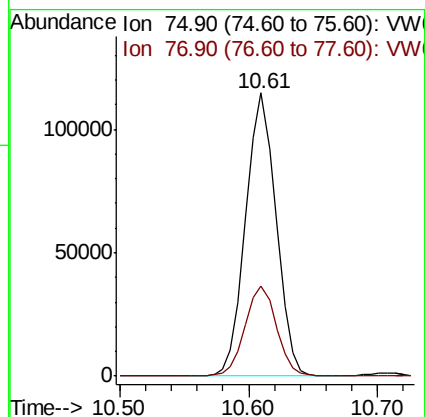
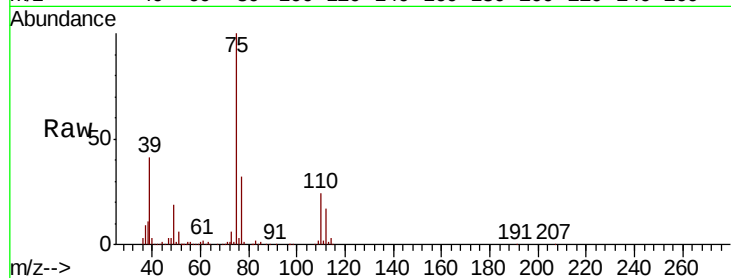
VW0817SBSD01

Tot Ion: 75 Resp: 187395

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.372 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

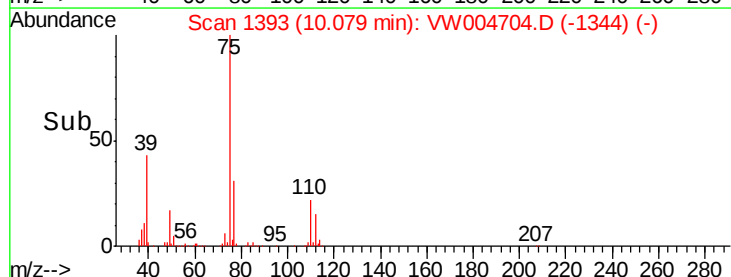
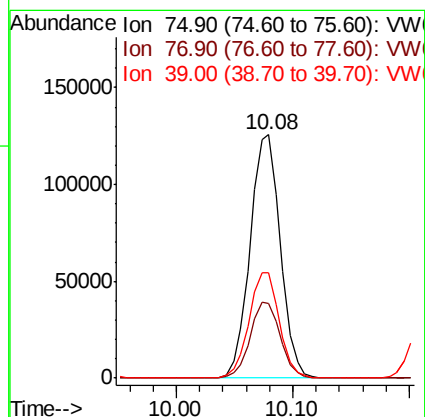
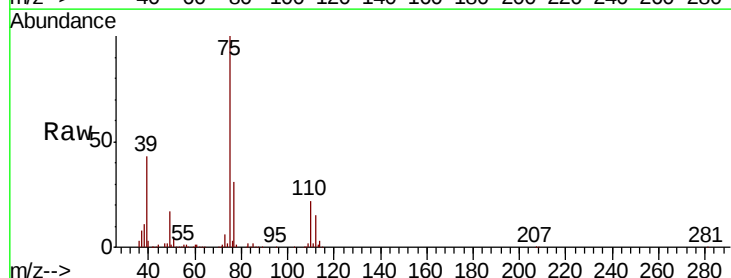
Tgt Ion: 75 Resp: 227312

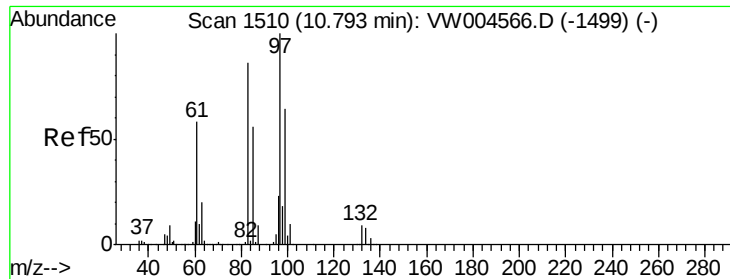
Ion Ratio Lower Upper

75 100

77 30.5 25.3 37.9

39 43.0 34.5 51.7

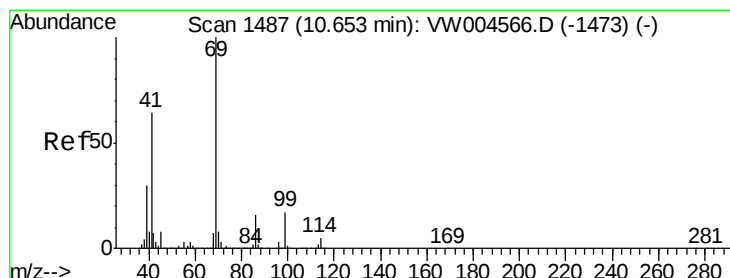
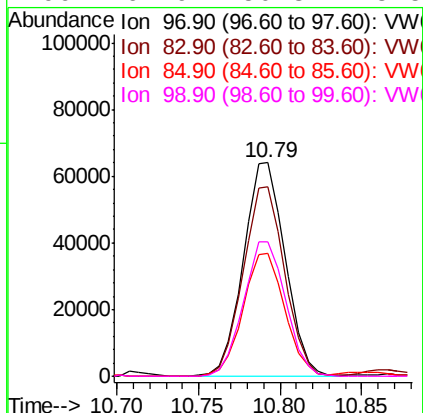
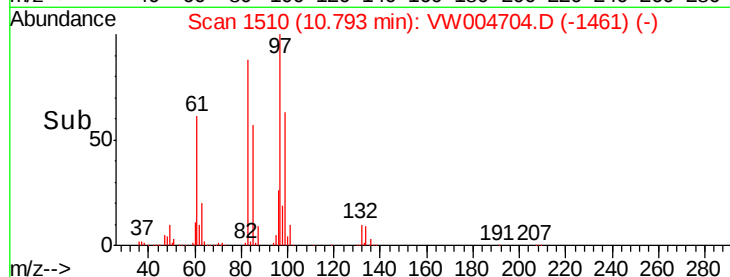
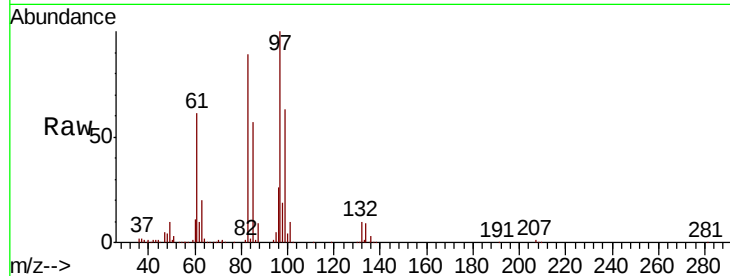




#55
 1,1,2-Trichloroethane
 Concen: 19.696 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

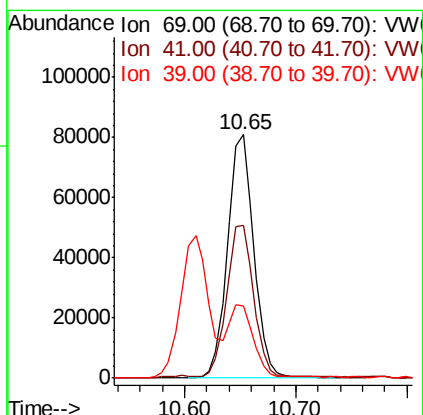
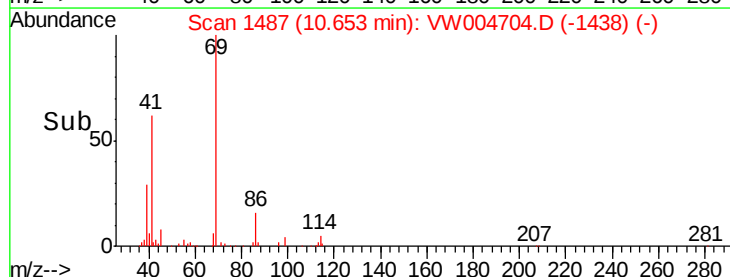
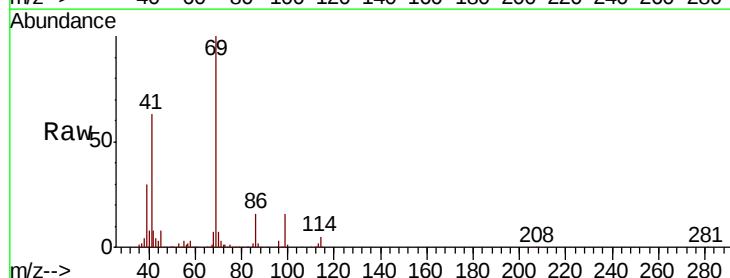
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

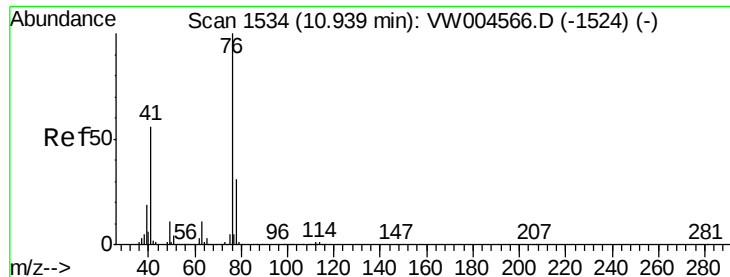
Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.8	104.8
85	57.5	45.1	67.7
99	62.9	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 19.152 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	52.4	78.6
39	28.0	22.7	34.1

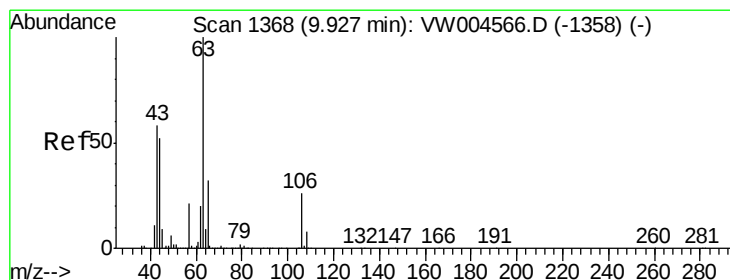
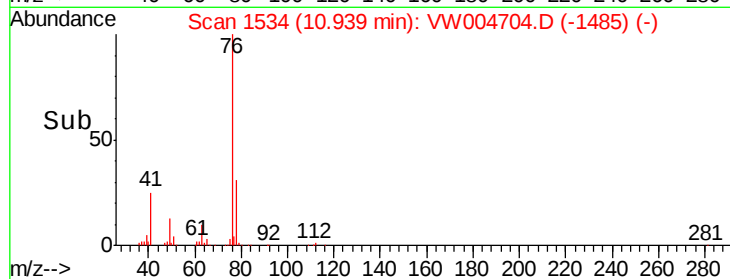
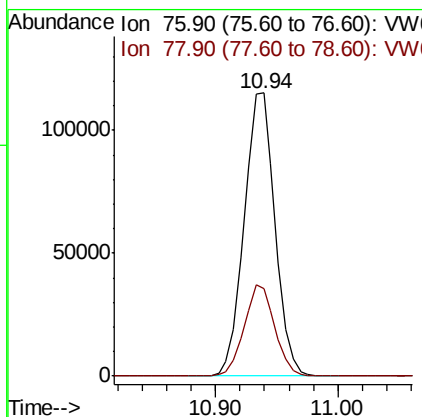
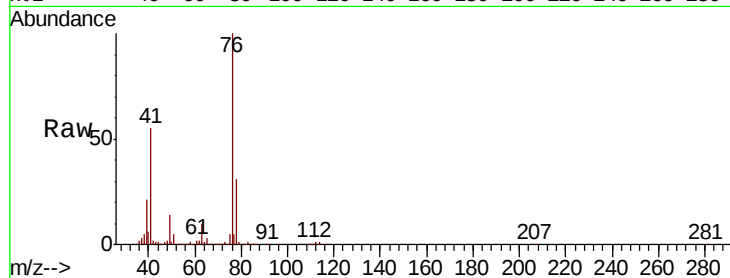




#57
 1,3-Dichloropropane
 Concen: 20.212 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

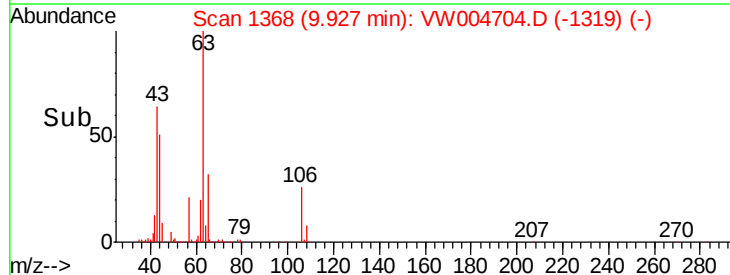
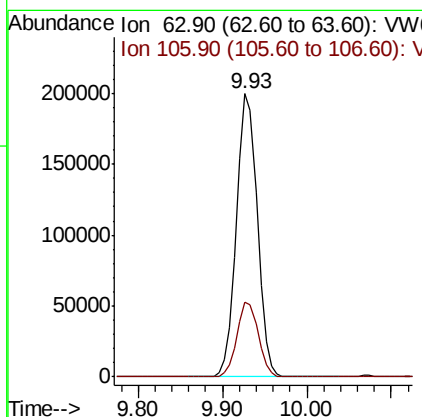
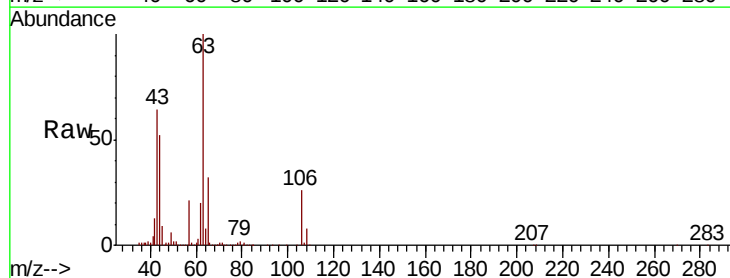
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

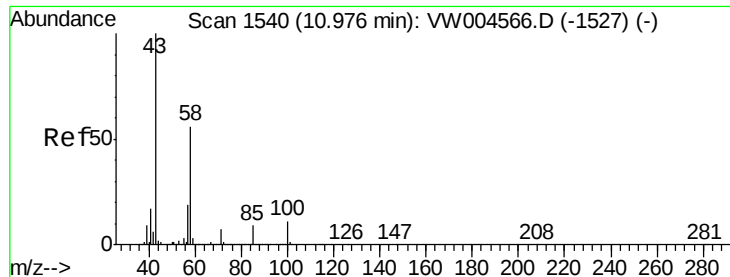
Tot Ion: 76 Resp: 201701
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.158 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion: 63 Resp: 332976
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.3 31.9

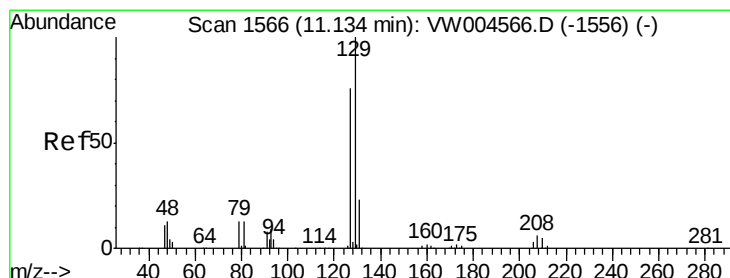
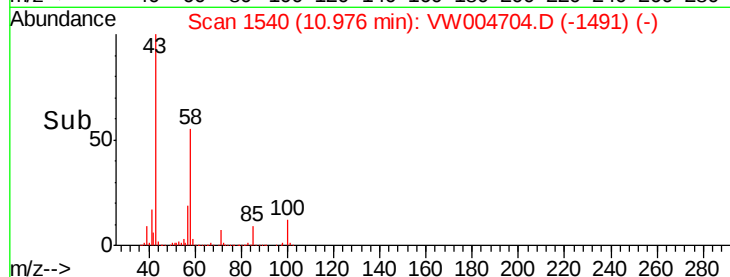
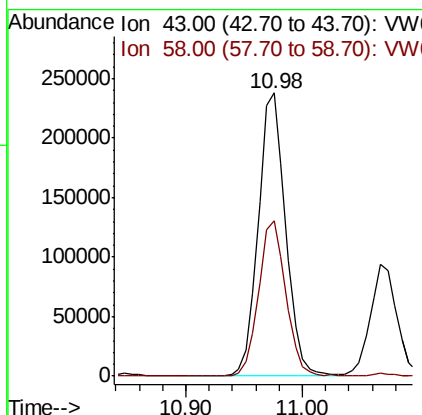
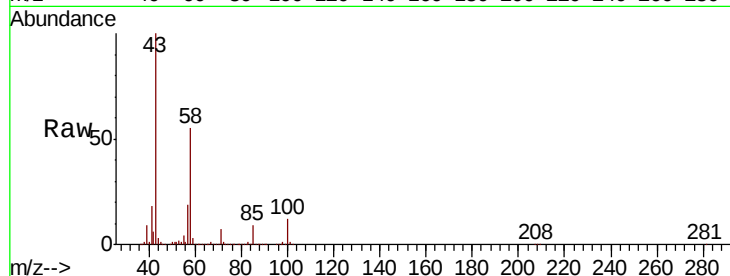




#59
2-Hexanone
Concen: 93.037 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

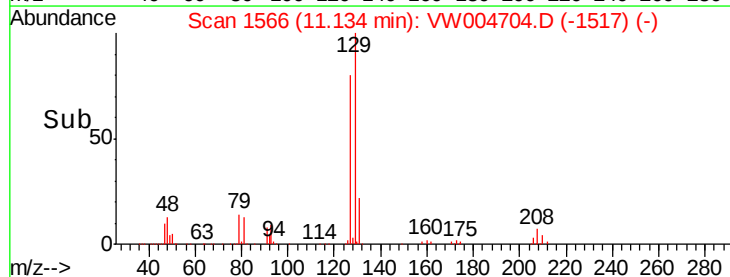
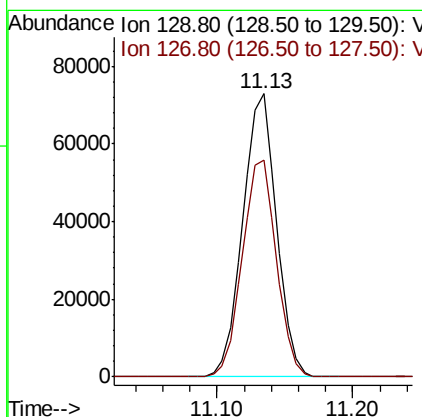
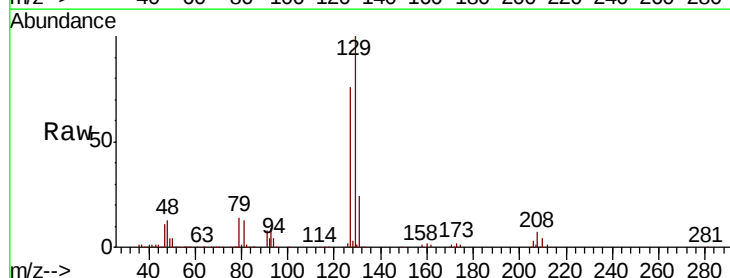
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

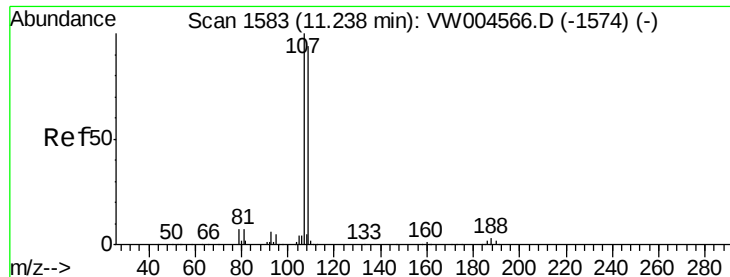
Tot Ion: 43 Resp: 386779
Ion Ratio Lower Upper
43 100
58 54.9 27.9 83.6



#60
Dibromochloromethane
Concen: 20.113 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 129 Resp: 126659
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

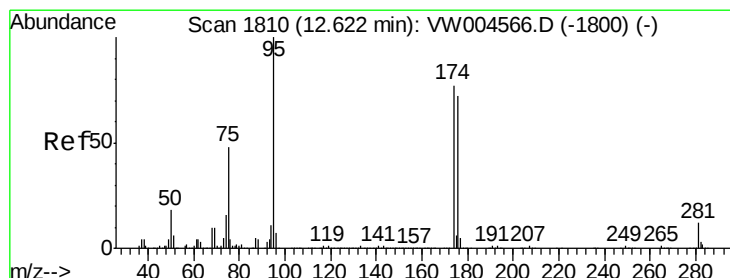
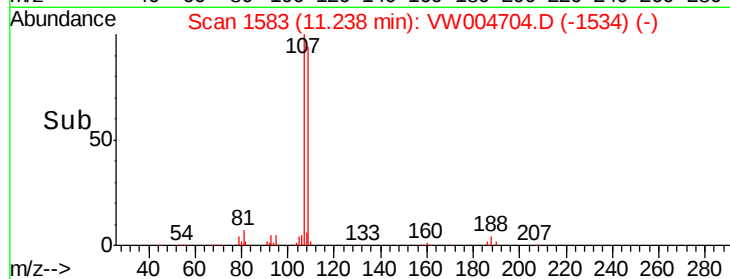
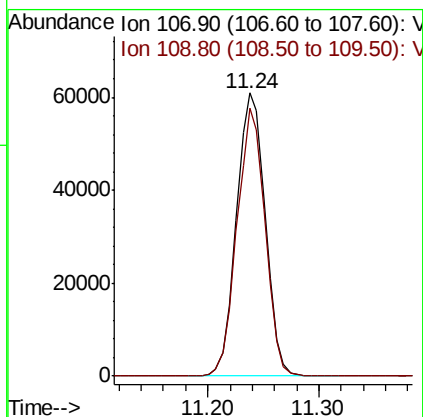
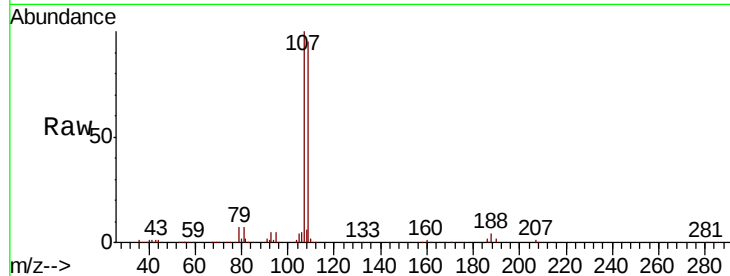




#61
 1,2-Dibromoethane
 Concen: 19.982 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

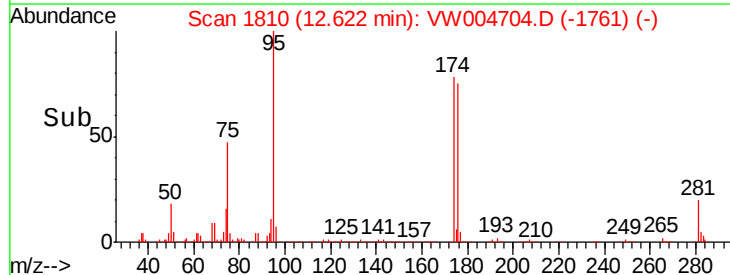
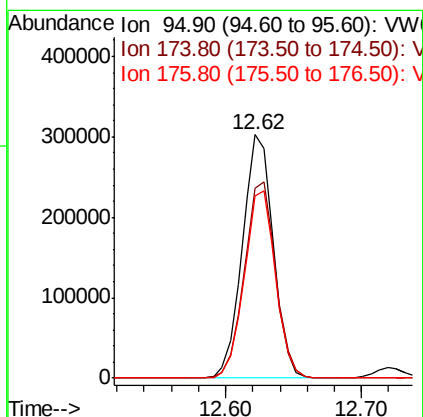
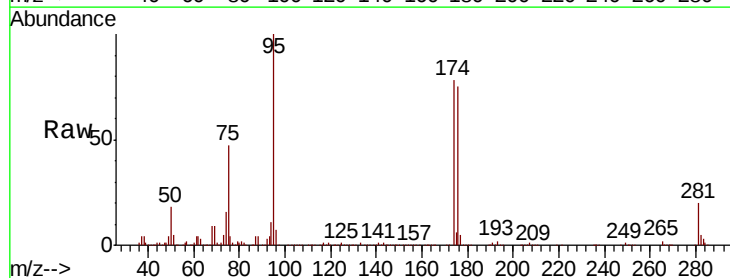
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

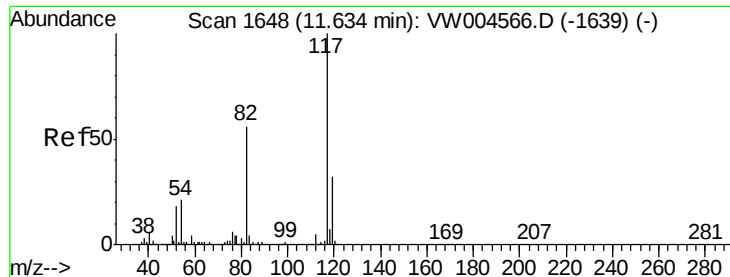
Tot Ion: 107 Resp: 108692
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.266 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion: 95 Resp: 479597
 Ion Ratio Lower Upper
 95 100
 174 81.7 0.0 160.4
 176 78.1 0.0 153.2

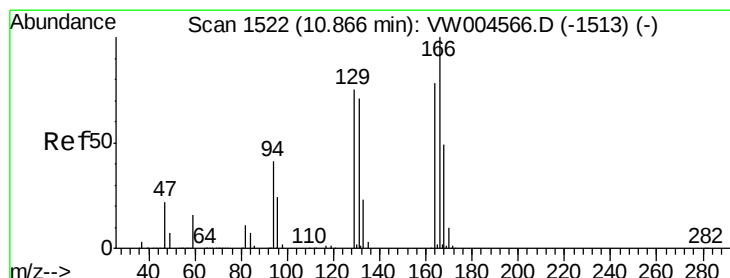
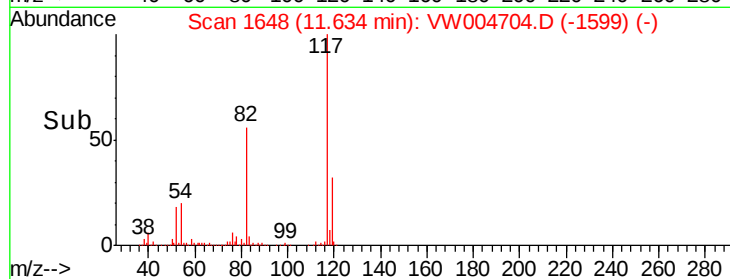
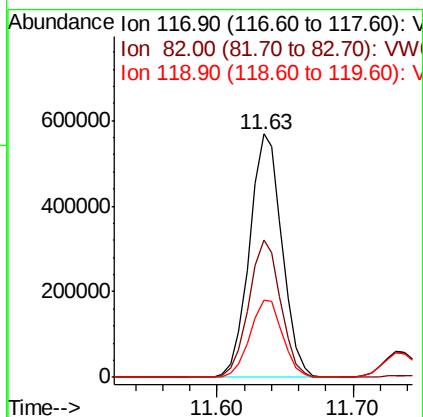
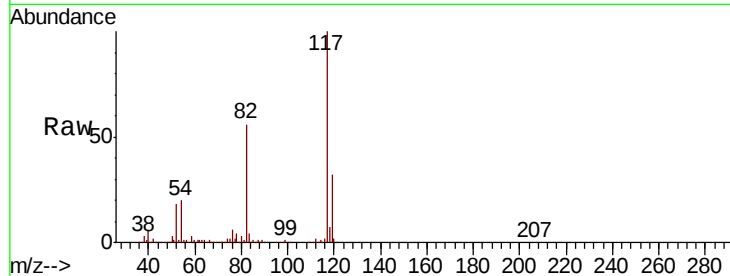




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

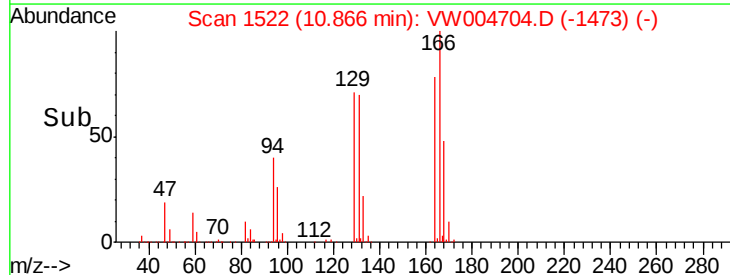
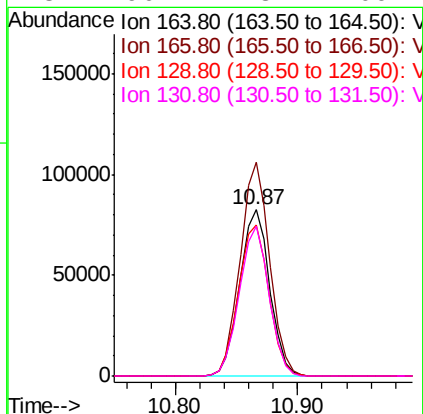
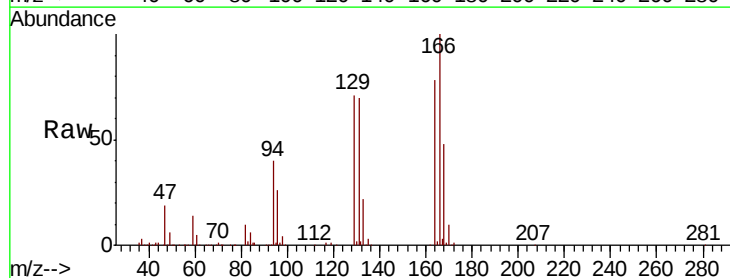
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

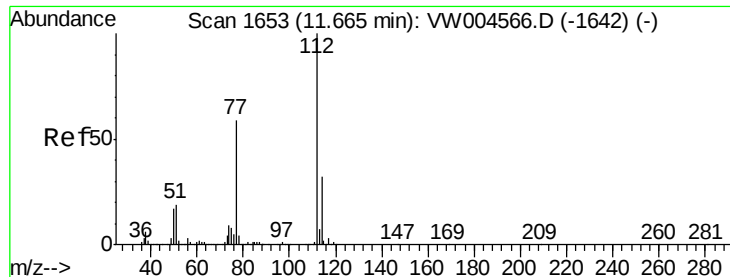
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.3	67.9
119	31.9	26.2	39.4



#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	98.4	147.6
129	91.2	73.6	110.4
131	90.2	73.1	109.7

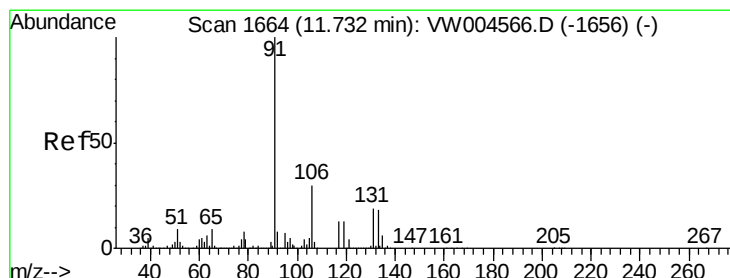
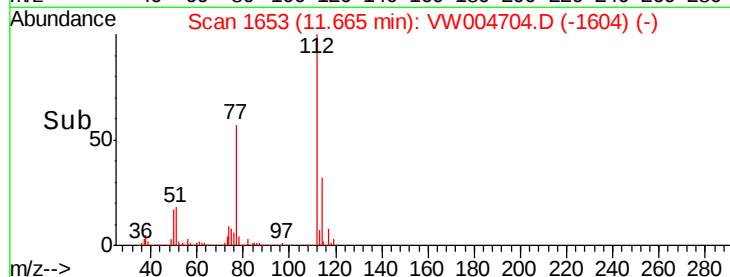
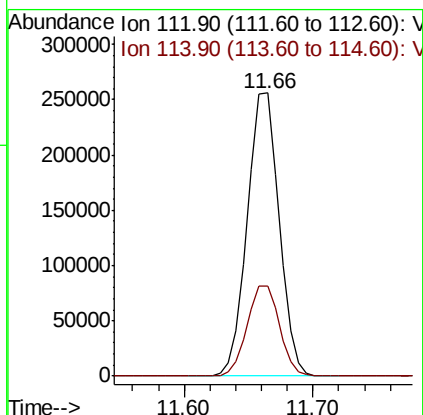
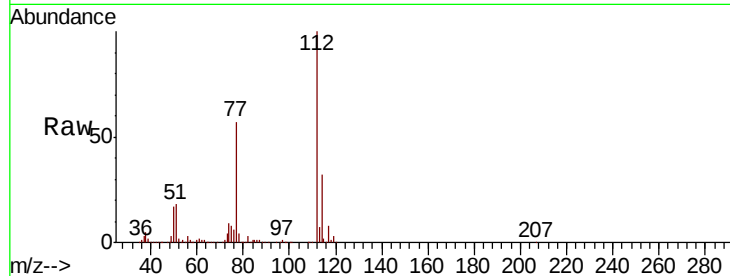




#65
Chlorobenzene
Concen: 20.837 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

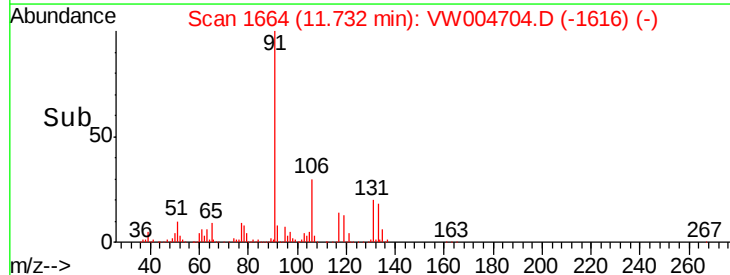
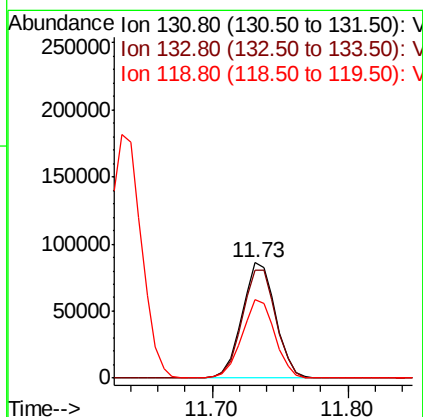
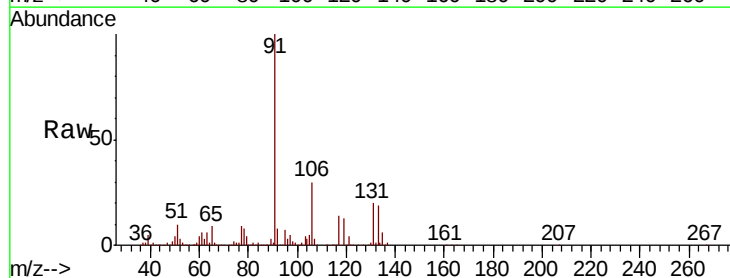
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

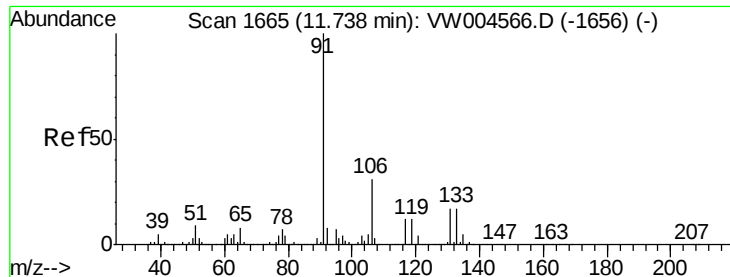
Tot Ion:112 Resp: 437130
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.680 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion:131 Resp: 147709
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 66.8 33.9 101.7

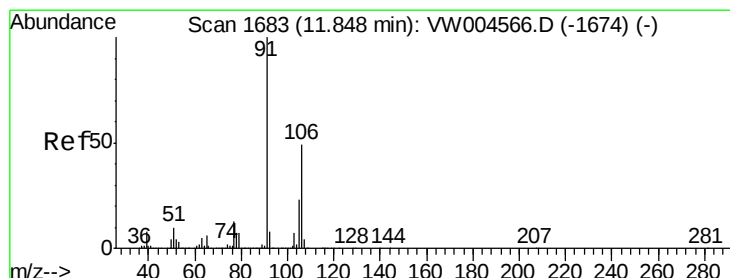
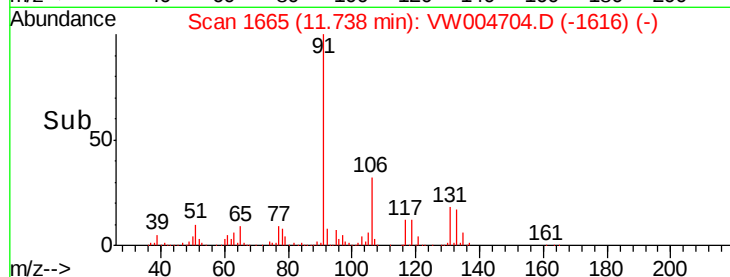
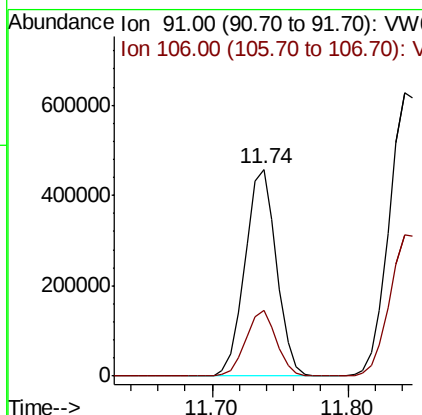
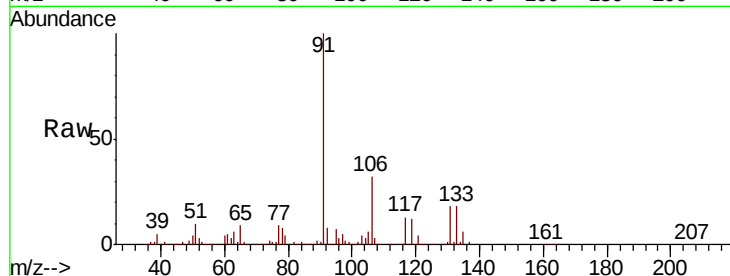




#67
Ethyl Benzene
Concen: 20.780 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

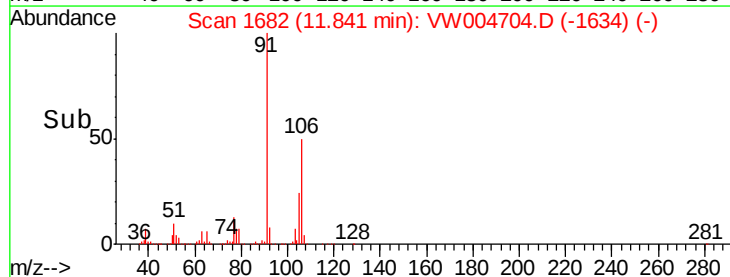
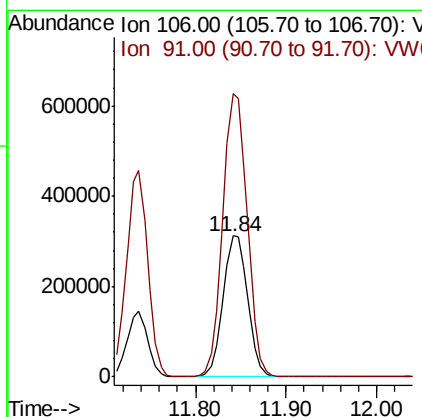
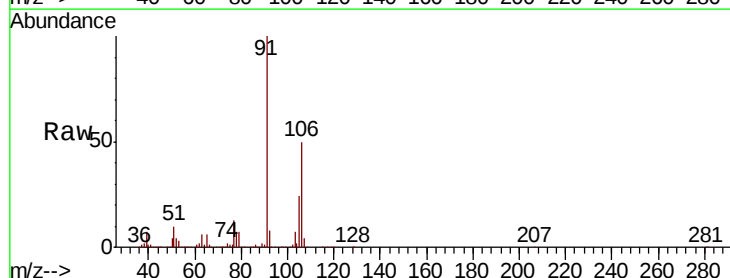
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

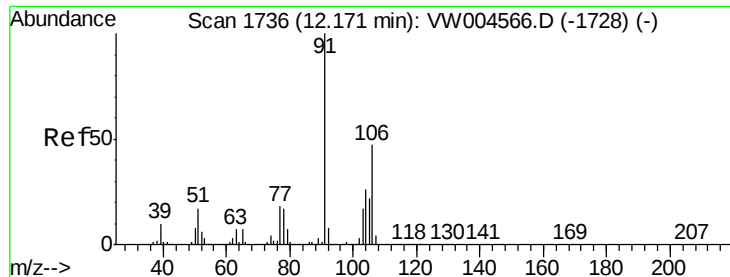
Tot Ion: 91 Resp: 739001
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.2



#68
m/p-Xylenes
Concen: 42.779 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion: 106 Resp: 587956
Ion Ratio Lower Upper
106 100
91 200.5 162.8 244.2

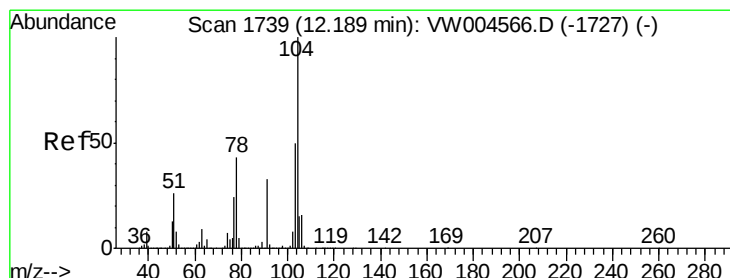
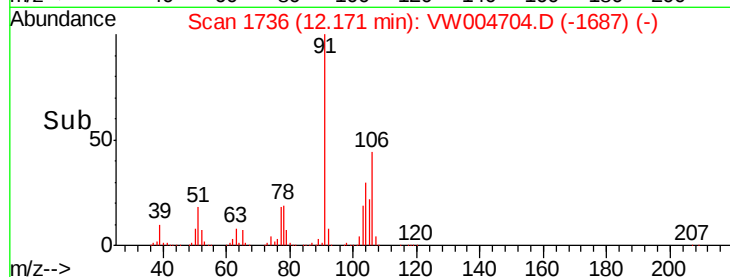
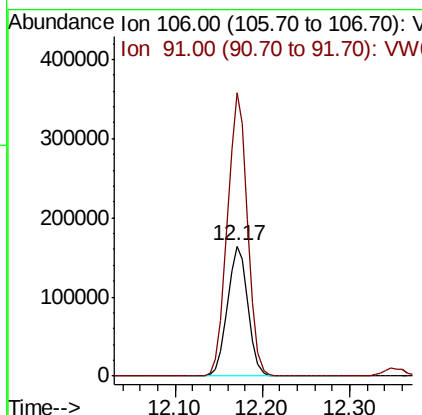
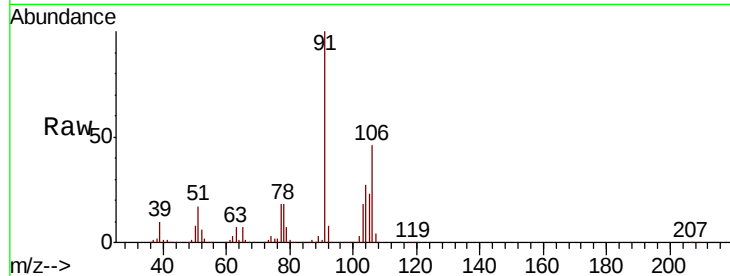




#69
o-Xylene
Concen: 20.805 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

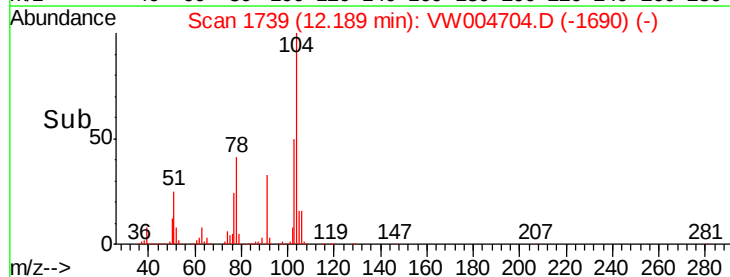
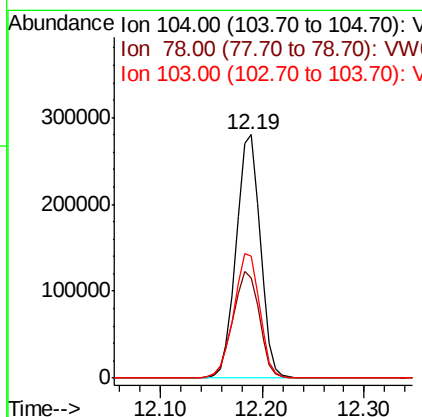
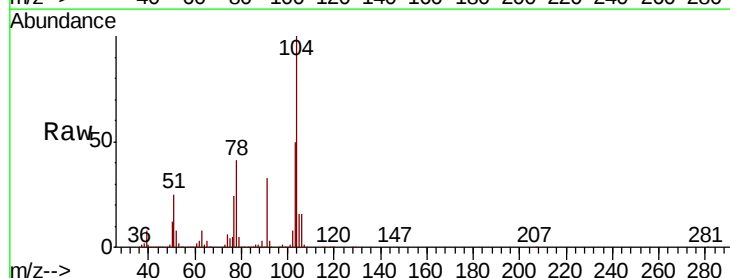
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBS01

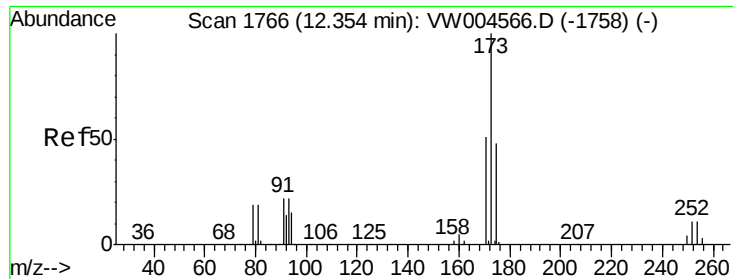
Tot Ion:106 Resp: 265181
Ion Ratio Lower Upper
106 100
91 214.9 106.7 320.2



#70
Styrene
Concen: 21.179 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion:104 Resp: 456110
Ion Ratio Lower Upper
104 100
78 48.5 39.0 58.4
103 55.3 44.2 66.2





#71

Bromoform

Concen: 19.699 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

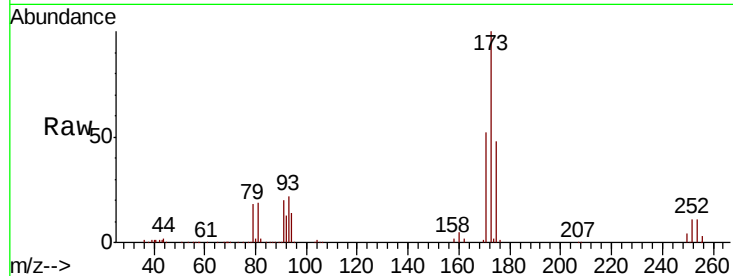
Tot Ion:173 Resp: 77344

Ion Ratio Lower Upper

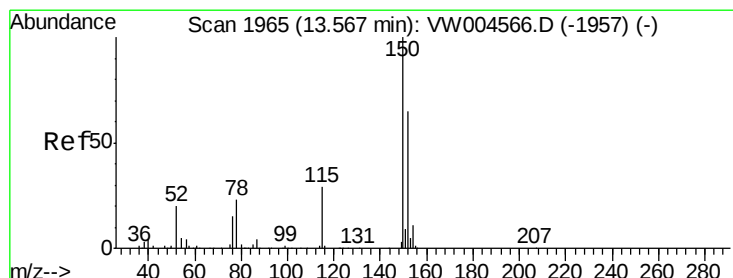
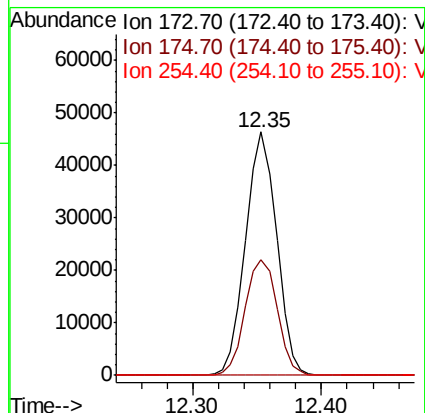
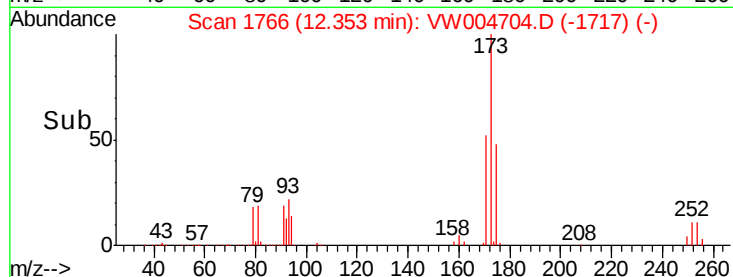
173 100

175 49.3 24.5 73.5

254 0.2 0.2 0.2



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# 1965

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

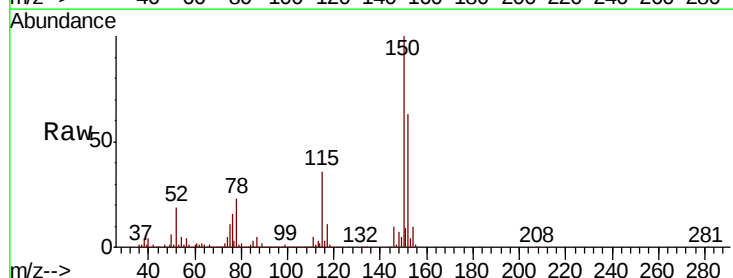
Tgt Ion:152 Resp: 514188

Ion Ratio Lower Upper

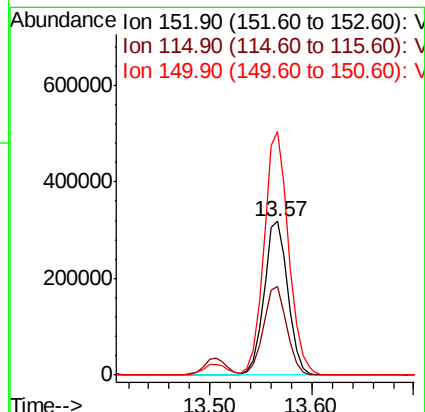
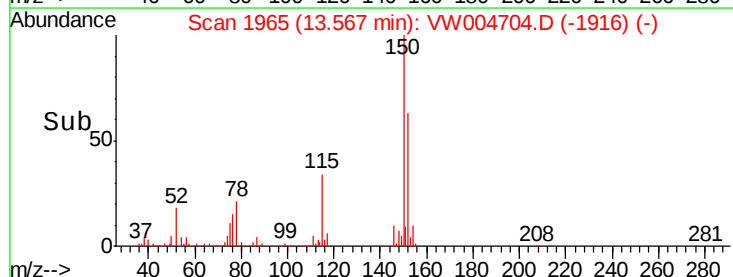
152 100

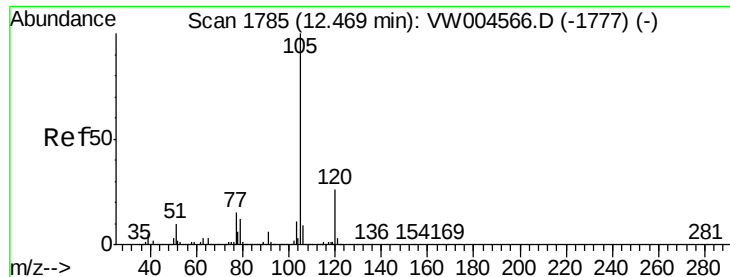
115 57.1 29.1 87.3

150 163.8 0.0 349.6



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





#73

Isopropylbenzene

Concen: 20.693 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

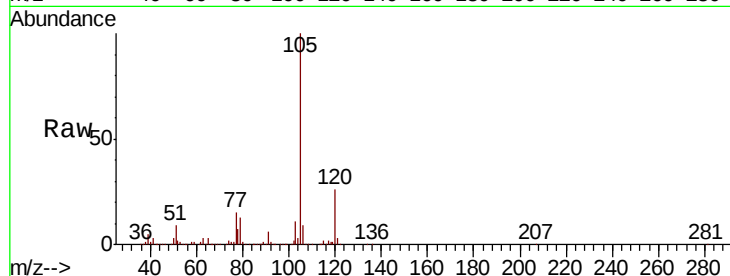
VW0817SBS01

Tot Ion:105 Resp: 735971

Ion Ratio Lower Upper

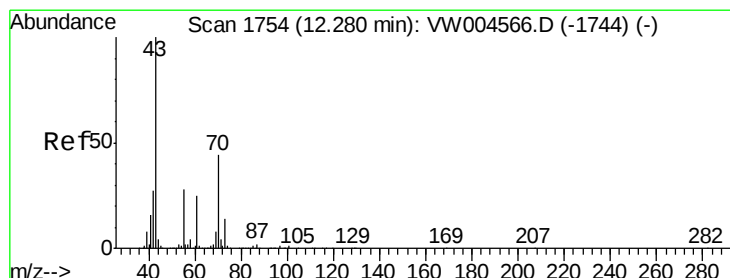
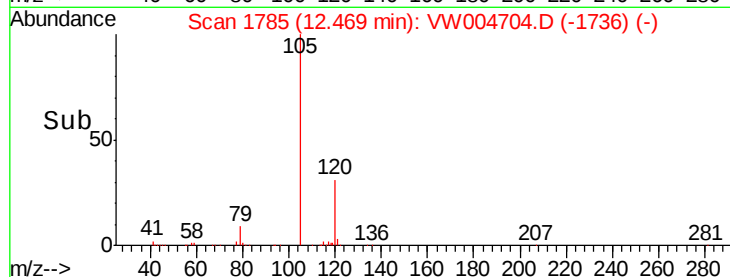
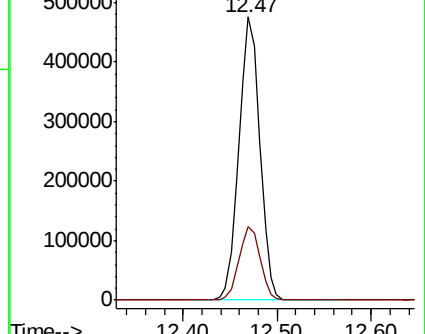
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.126 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Tgt Ion: 43 Resp: 156319

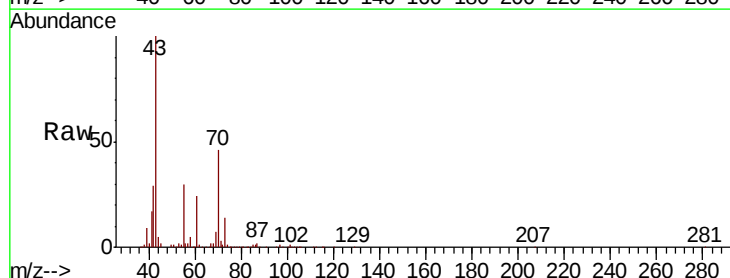
Ion Ratio Lower Upper

43 100

70 45.0 35.3 52.9

55 30.5 22.9 34.3

61 24.8 19.7 29.5

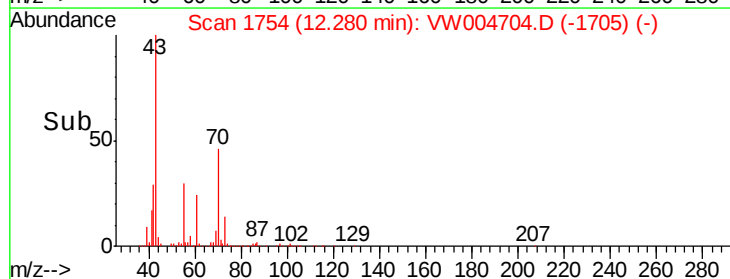
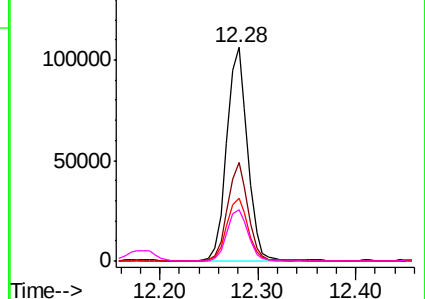


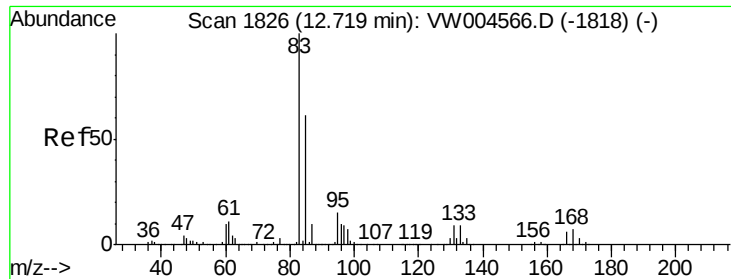
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.284 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

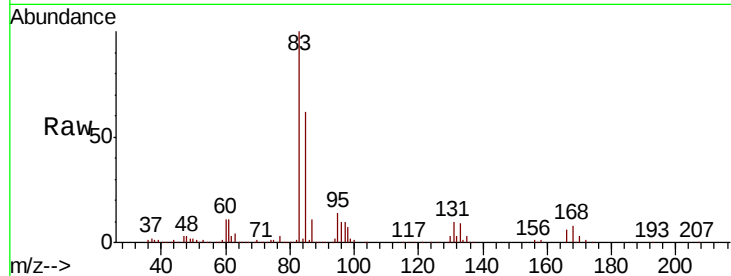
Tot Ion: 83 Resp: 143174

Ion Ratio Lower Upper

83 100

131 10.1 5.0 15.0

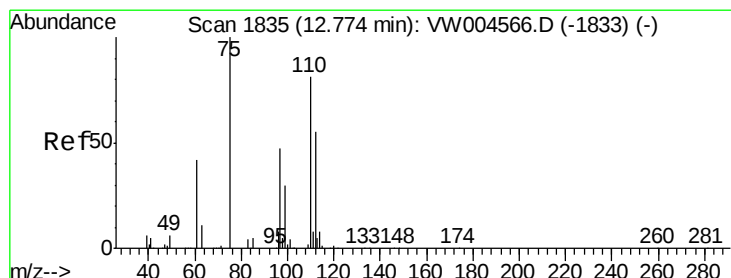
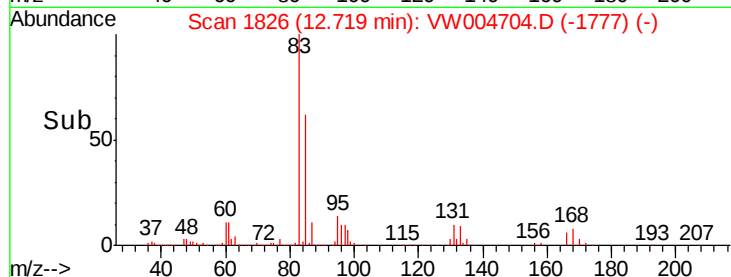
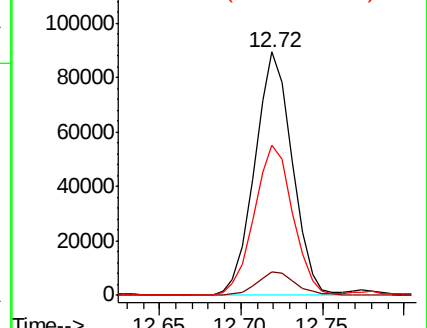
85 63.4 31.8 95.4



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: 33.803 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004704.D

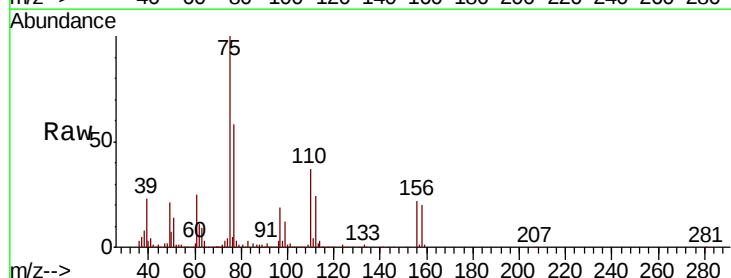
Acq: 15 Aug 2018 19:27

Tgt Ion: 75 Resp: 179854

Ion Ratio Lower Upper

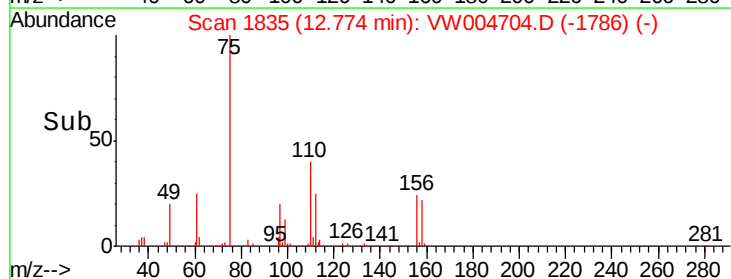
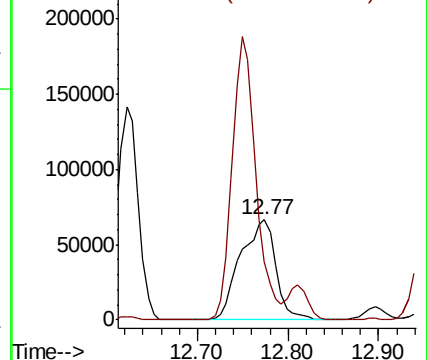
75 100

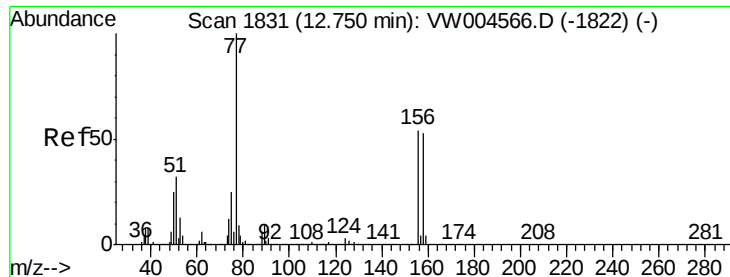
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.046 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

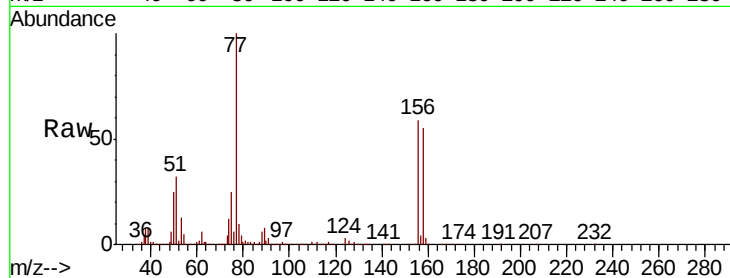
Tot Ion:156 Resp: 181099

Ion Ratio Lower Upper

156 100

77 189.0 98.7 296.1

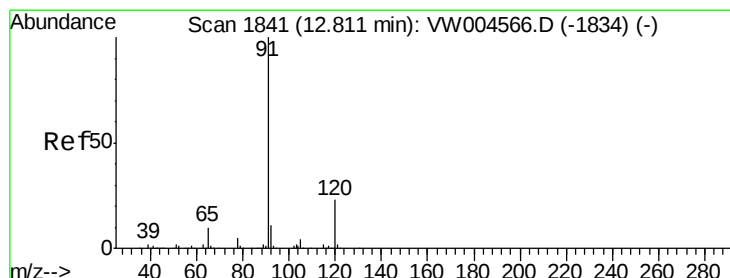
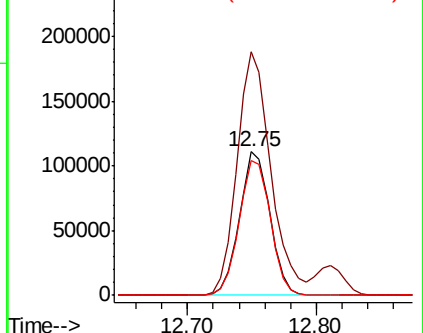
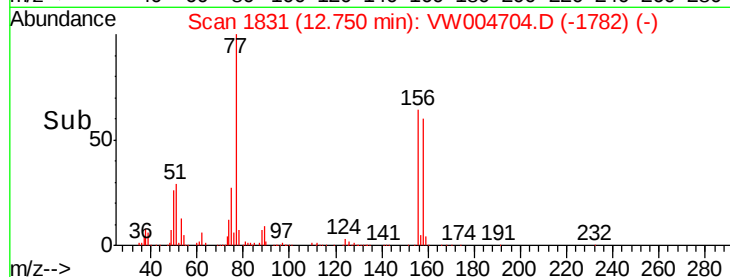
158 96.3 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.012 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004704.D

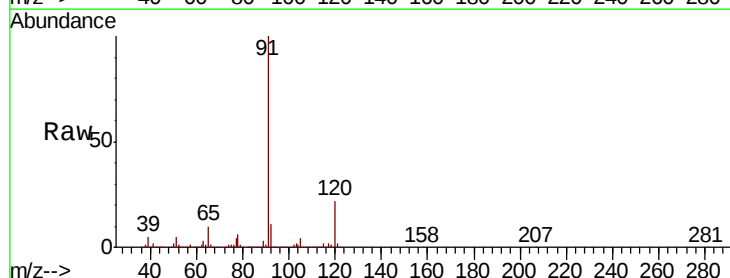
Acq: 15 Aug 2018 19:27

Tgt Ion: 91 Resp: 922125

Ion Ratio Lower Upper

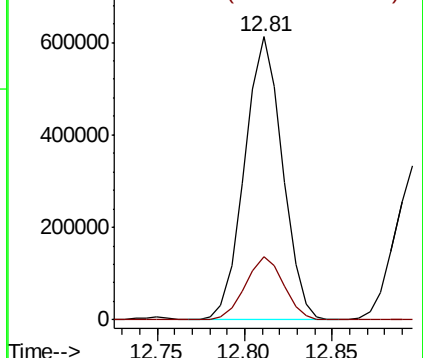
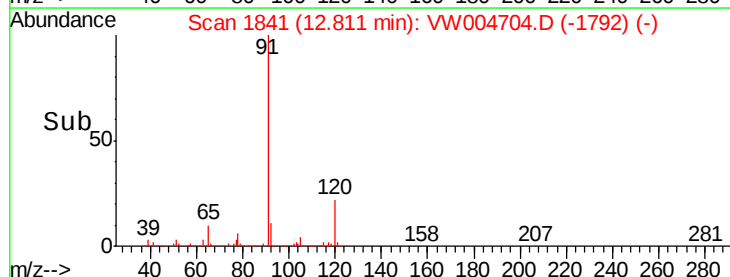
91 100

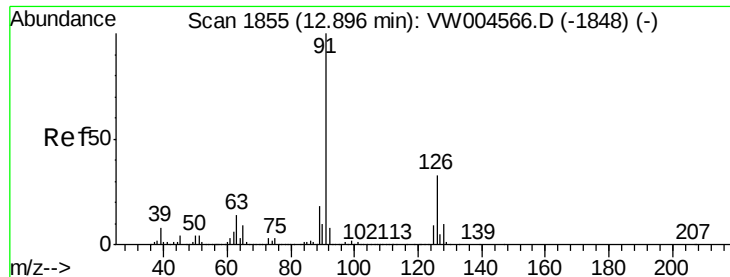
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.761 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

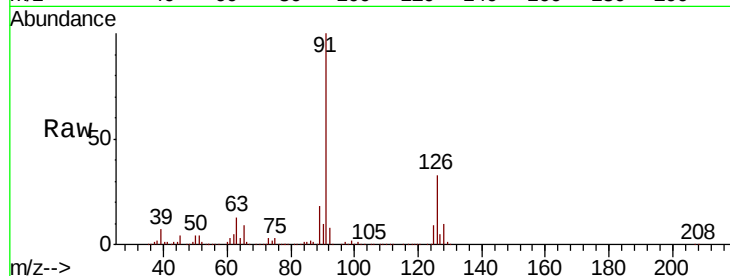
VW0817SBSD01

Tot Ion: 91 Resp: 527265

Ion Ratio Lower Upper

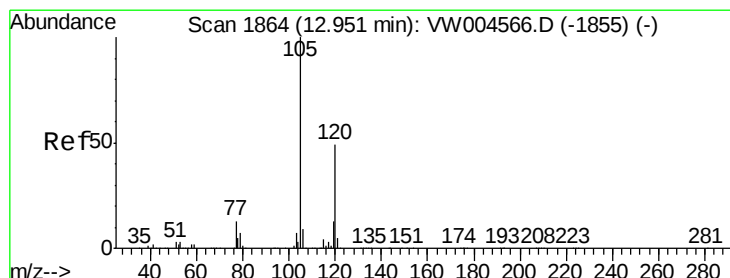
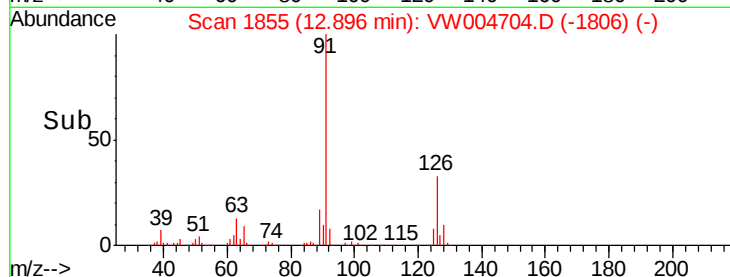
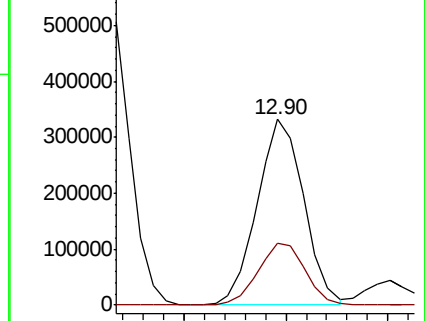
91 100

126 33.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.175 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004704.D

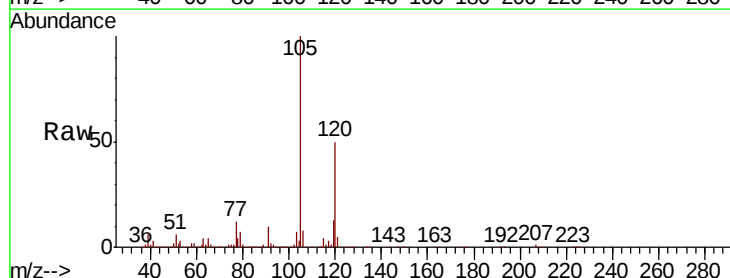
Acq: 15 Aug 2018 19:27

Tgt Ion:105 Resp: 642423

Ion Ratio Lower Upper

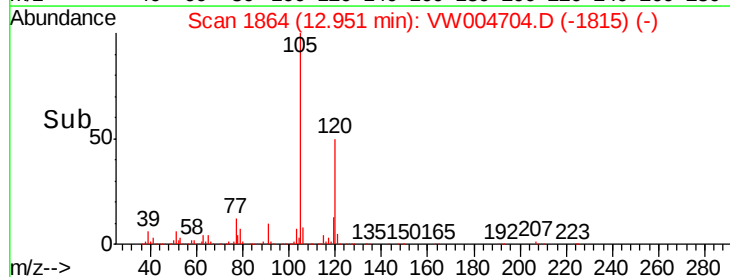
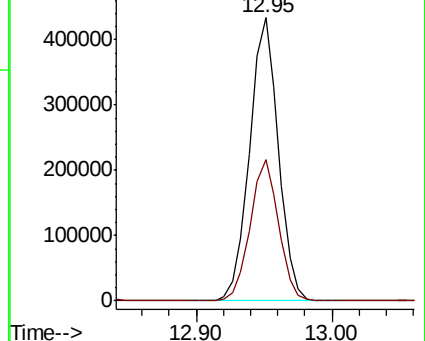
105 100

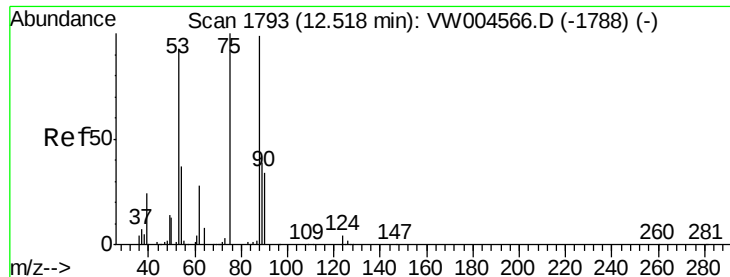
120 49.5 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.825 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

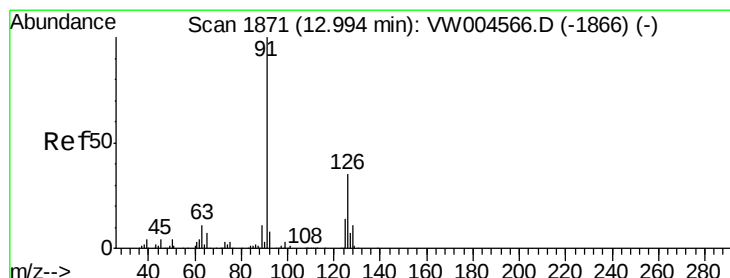
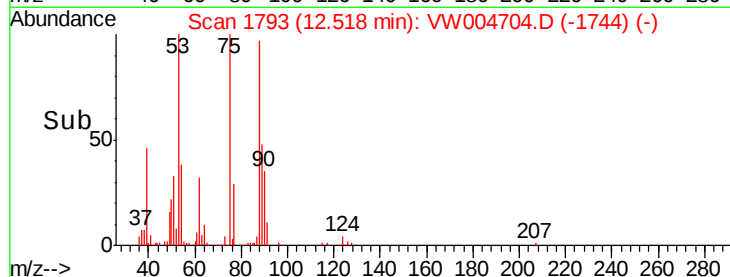
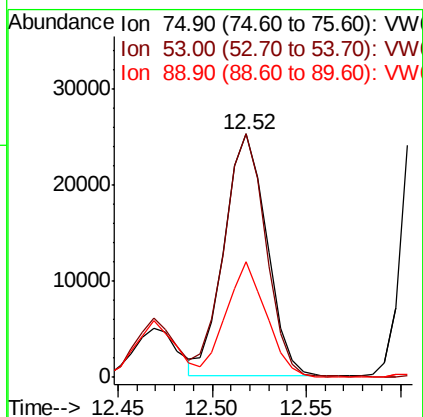
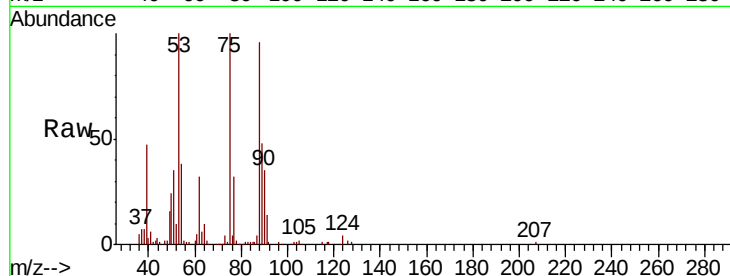
Tot Ion: 75 Resp: 39619

Ion Ratio Lower Upper

75 100

53 99.6 74.4 111.6

89 44.9 35.9 53.9



#82

4-Chlorotoluene

Concen: 21.018 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004704.D

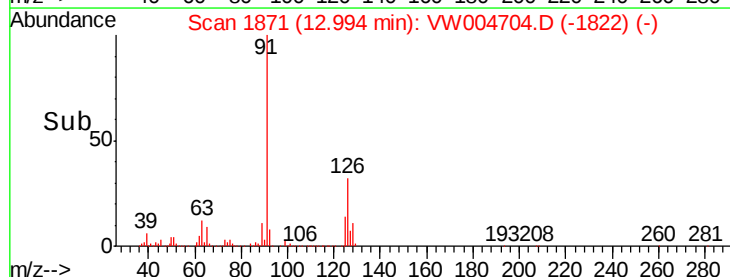
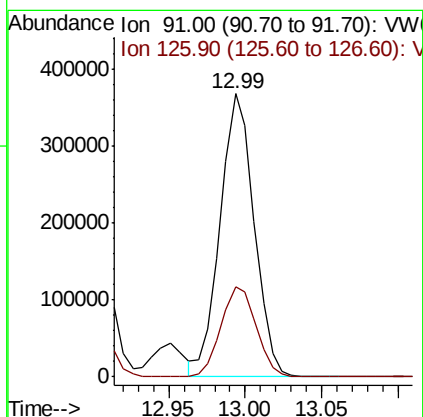
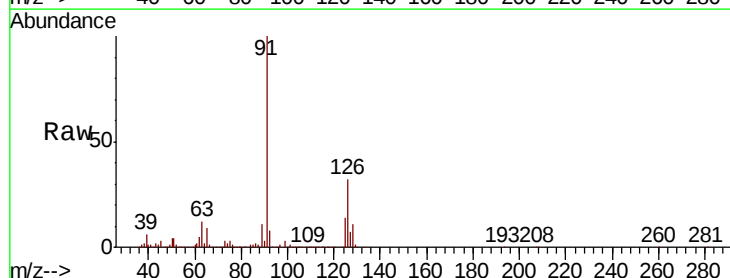
Acq: 15 Aug 2018 19:27

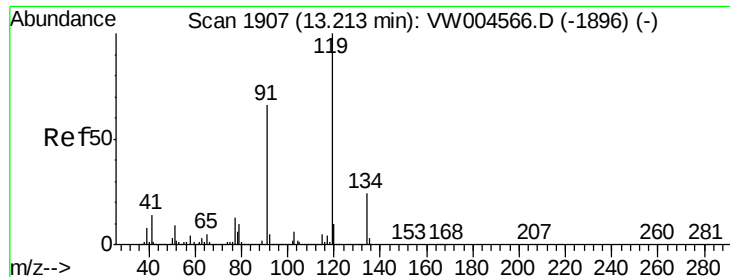
Tgt Ion: 91 Resp: 566514

Ion Ratio Lower Upper

91 100

126 33.1 16.5 49.5

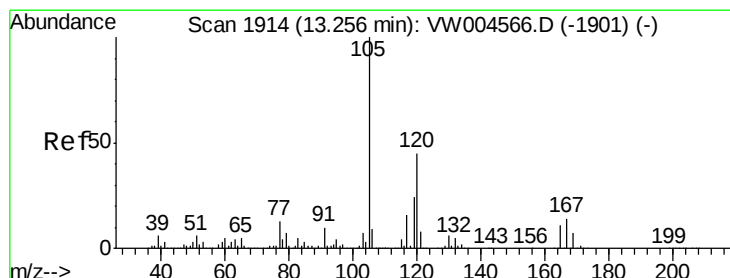
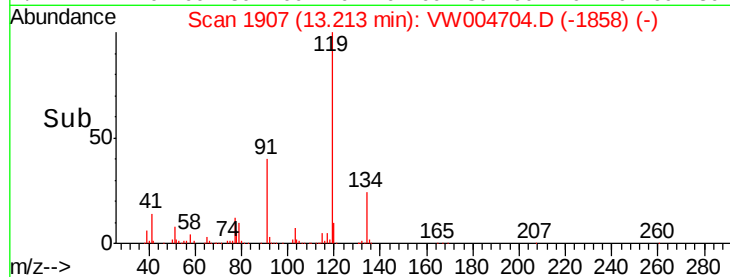
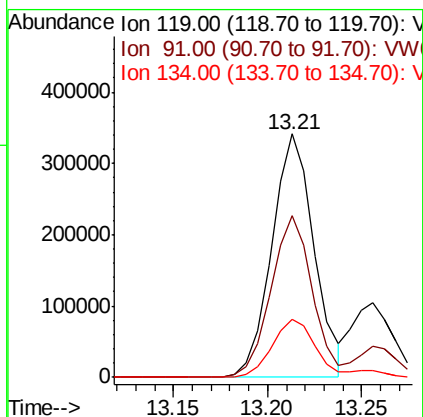
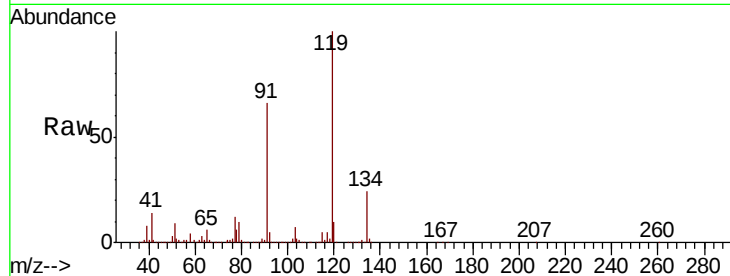




#83
tert-Butylbenzene
Concen: 20.797 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

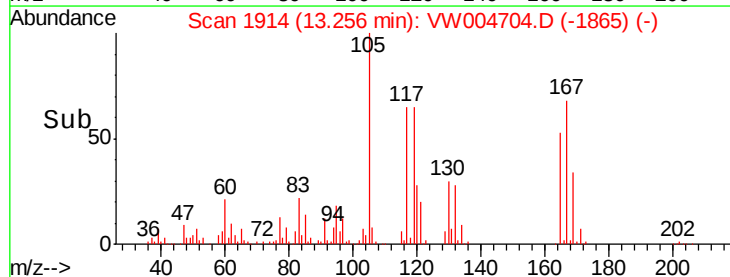
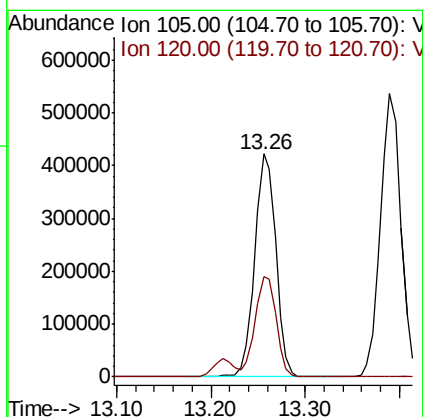
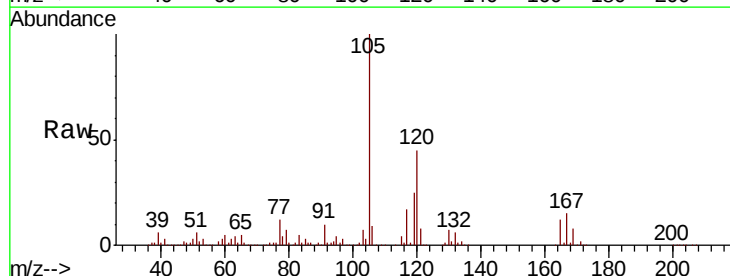
Instrument :
MSVOA_W
ClientSampleId :
VW0817SBSD01

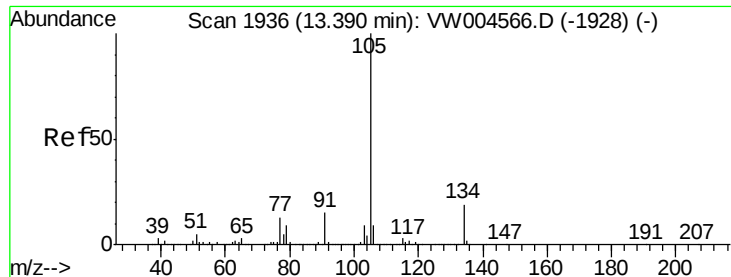
Tot Ion:119 Resp: 529235
Ion Ratio Lower Upper
119 100
91 64.7 33.3 99.8
134 24.4 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 21.103 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004704.D
Acq: 15 Aug 2018 19:27

Tgt Ion:105 Resp: 662803
Ion Ratio Lower Upper
105 100
120 44.9 22.6 67.8

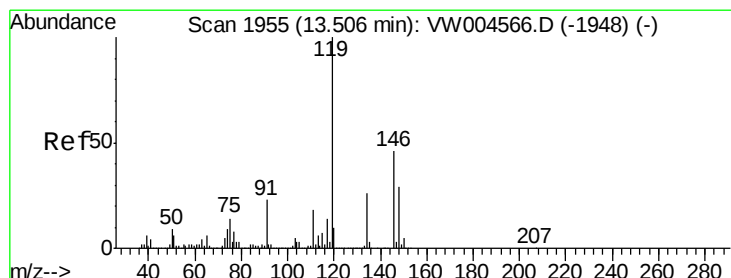
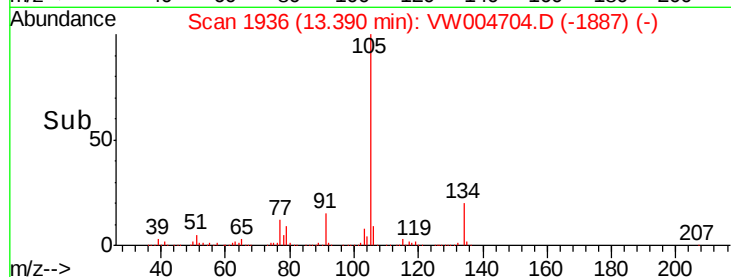
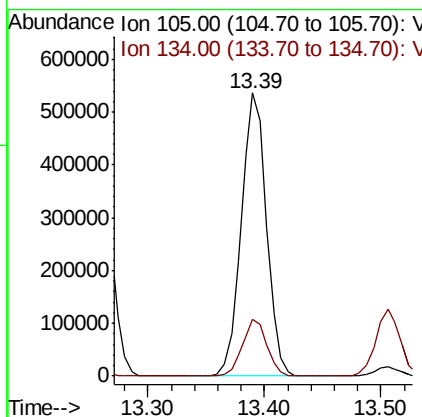
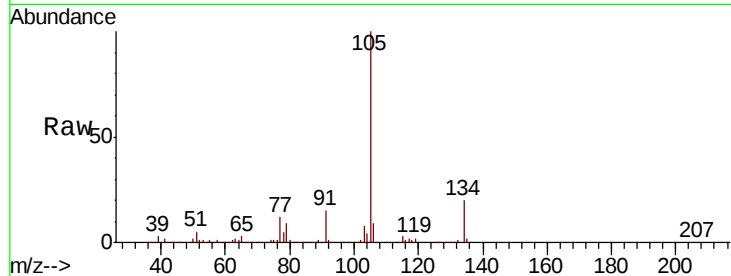




#85
 sec-Butylbenzene
 Concen: 21.016 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

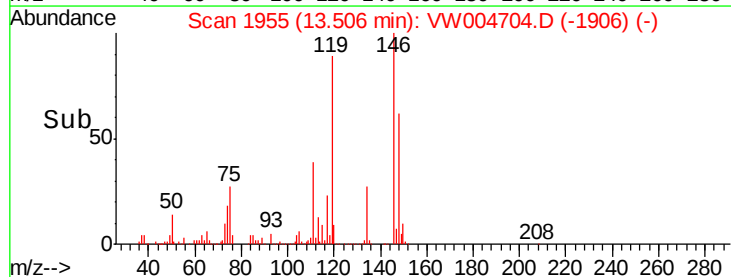
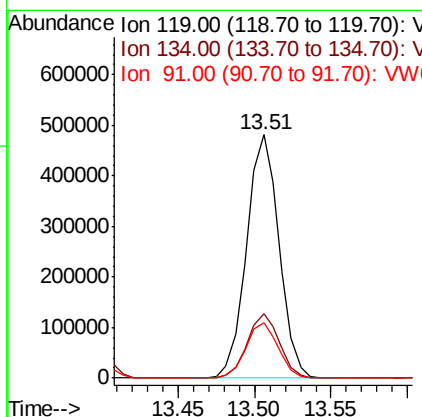
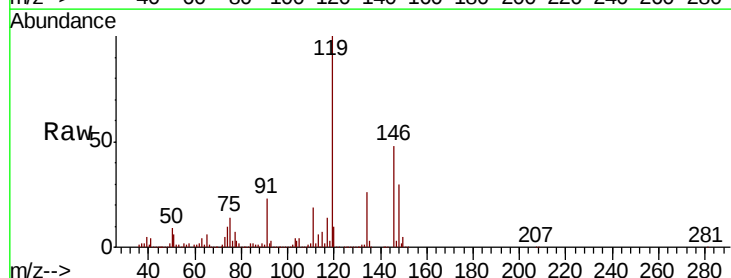
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBS01

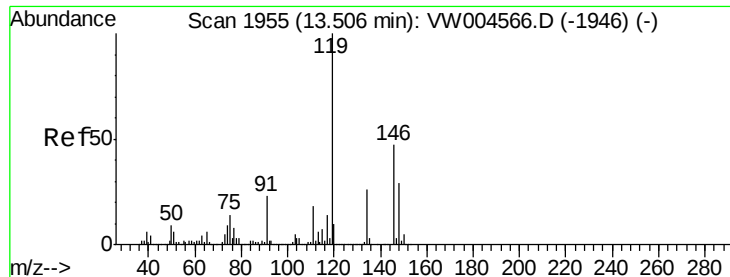
Tot Ion:105 Resp: 806822
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 21.212 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion:119 Resp: 705668
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 22.6 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 20.761 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

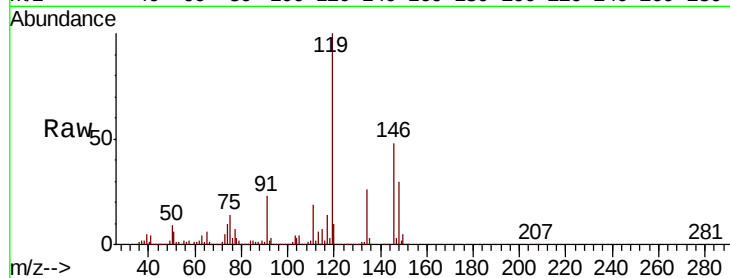
Tot Ion:146 Resp: 368095

Ion Ratio Lower Upper

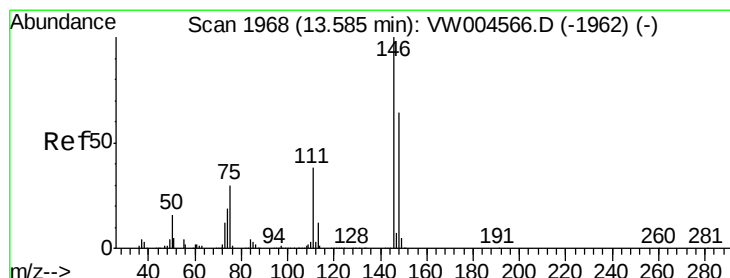
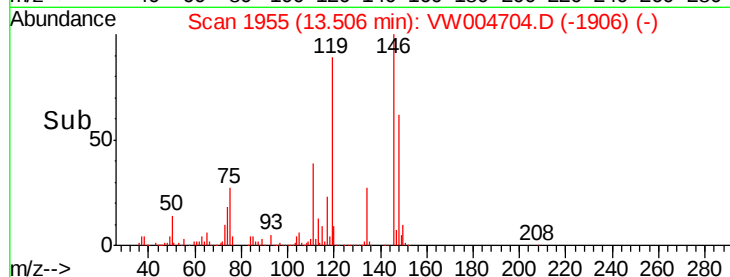
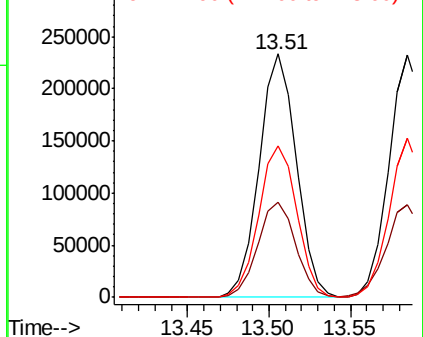
146 100

111 40.0 20.0 59.9

148 63.6 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 20.704 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

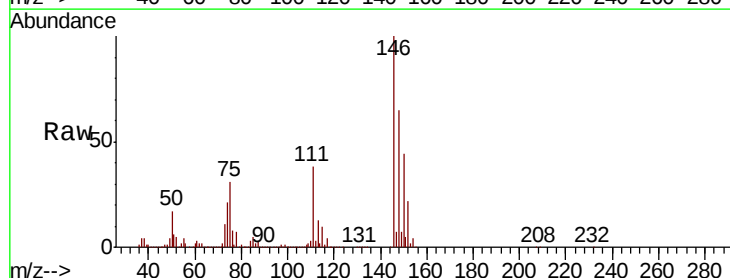
Tgt Ion:146 Resp: 365441

Ion Ratio Lower Upper

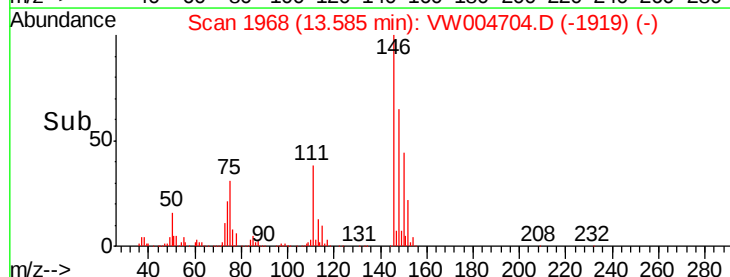
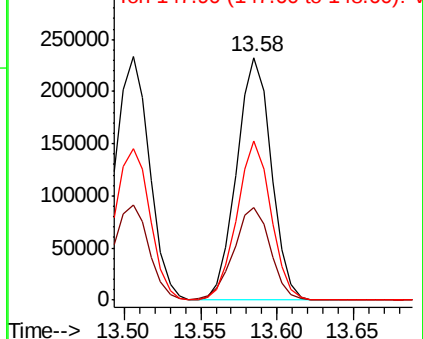
146 100

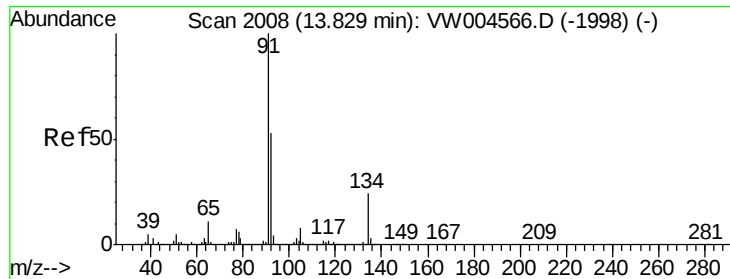
111 40.3 19.6 58.8

148 64.4 31.9 95.5



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





#89

n-Butylbenzene

Concen: 20.442 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBS01

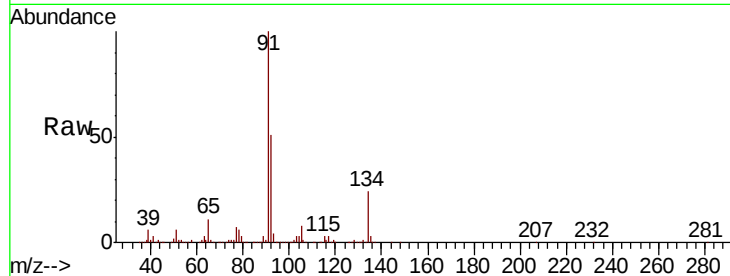
Tot Ion: 91 Resp: 668160

Ion Ratio Lower Upper

91 100

92 52.0 26.4 79.0

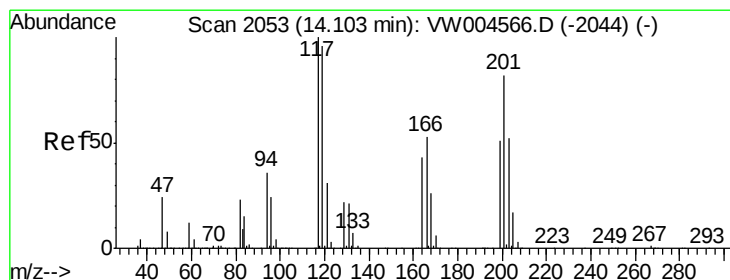
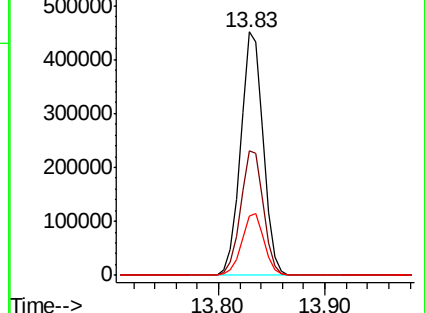
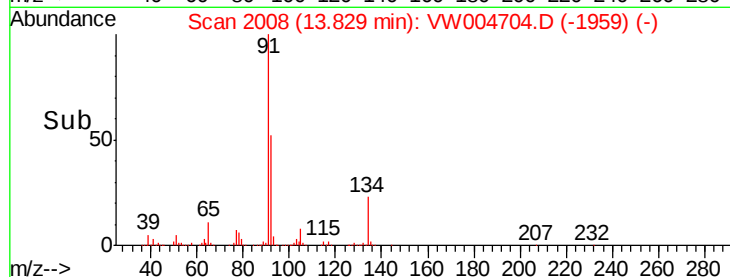
134 25.3 12.4 37.2



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: 20.123 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004704.D

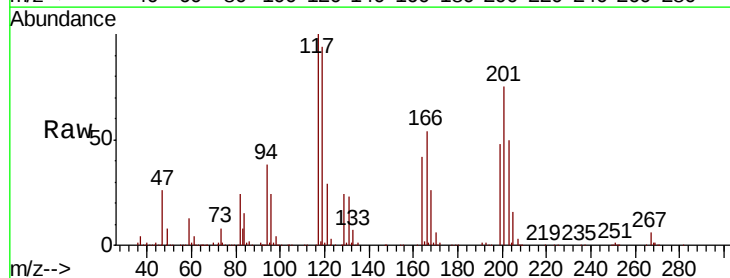
Acq: 15 Aug 2018 19:27

Tgt Ion: 117 Resp: 123854

Ion Ratio Lower Upper

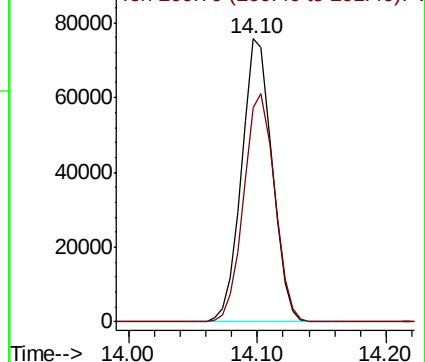
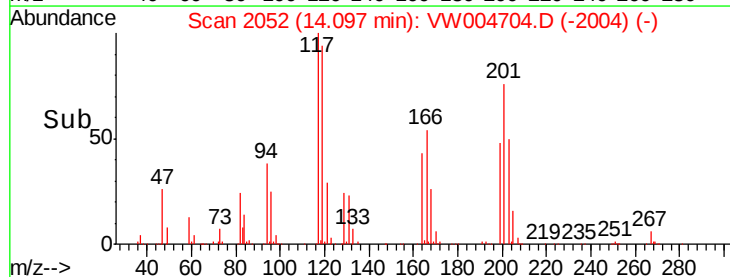
117 100

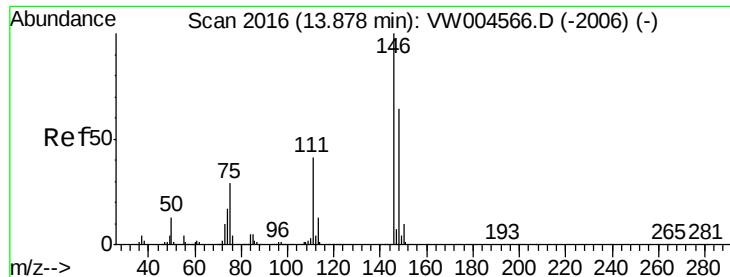
201 81.7 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

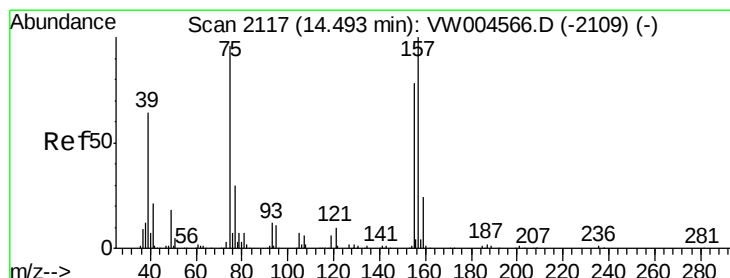
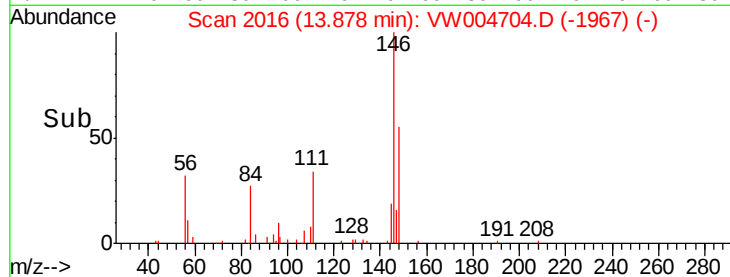
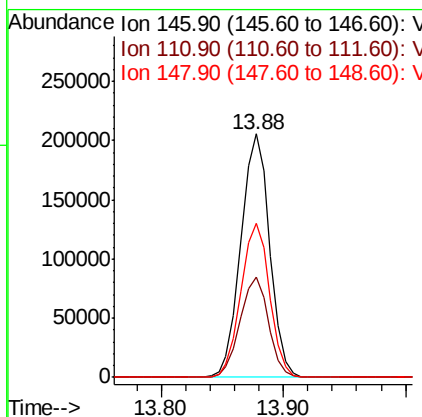
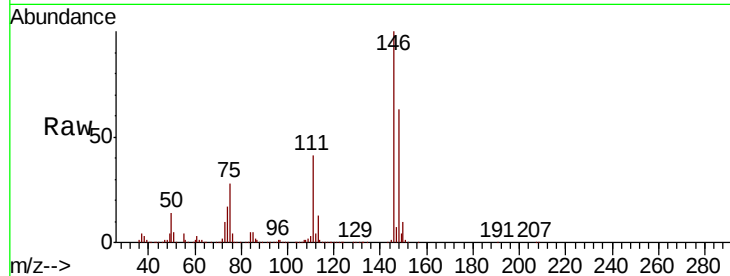




#91
 1,2-Dichlorobenzene
 Concen: 20.779 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

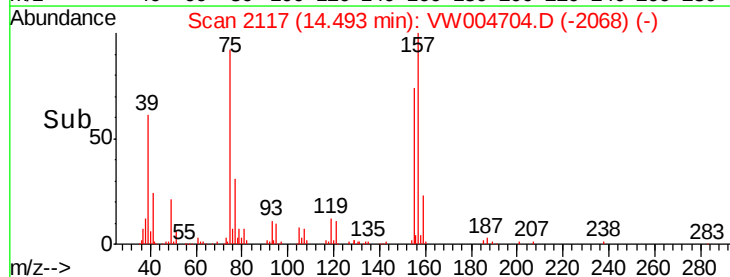
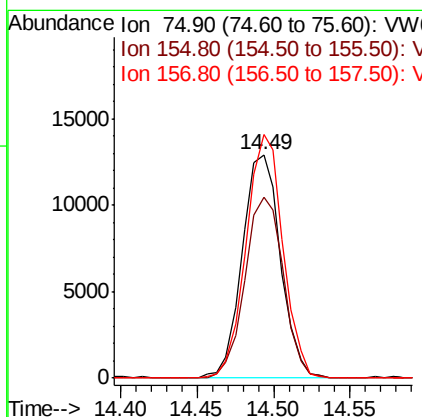
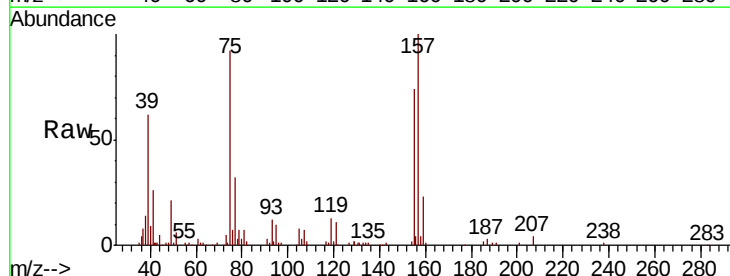
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

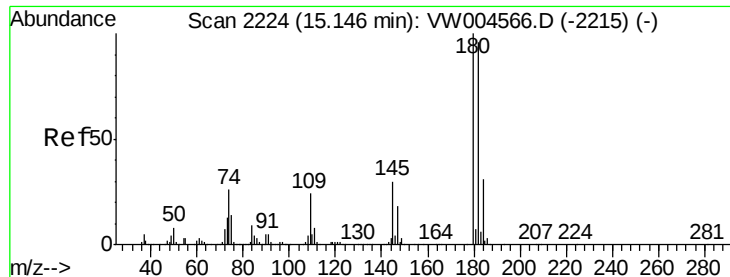
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.2
148	63.3	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.541 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.3	123.7
157	104.9	52.6	157.8

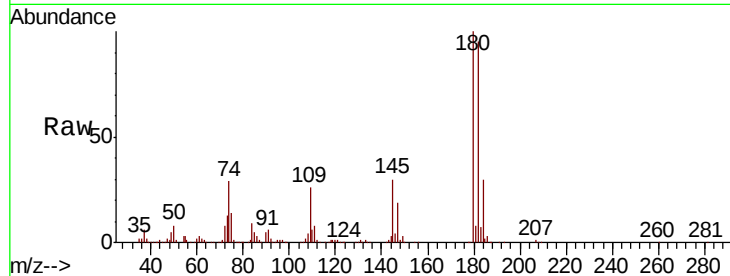




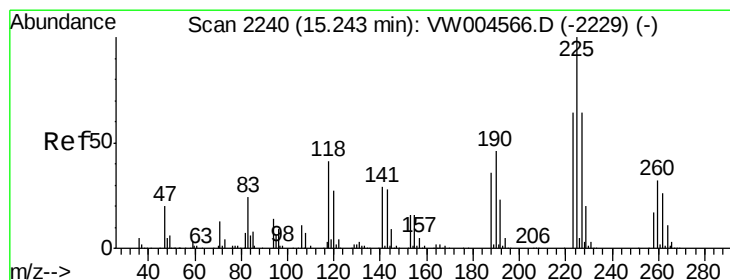
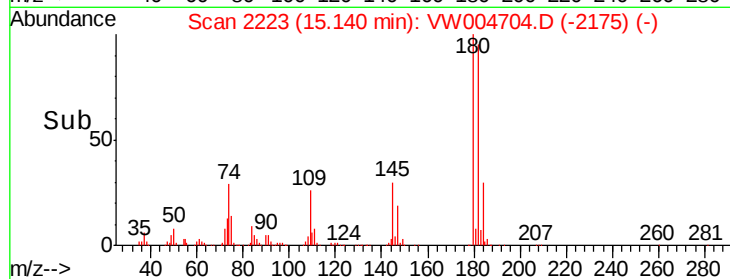
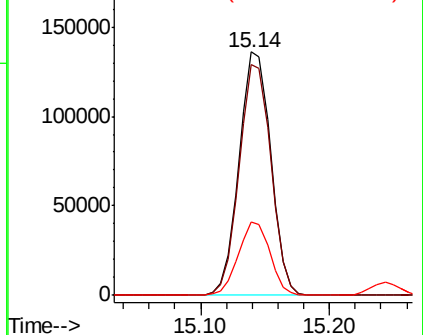
#93
 1,2,4-Trichlorobenzene
 Concen: 20.800 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0817SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	29.9	14.9	44.9

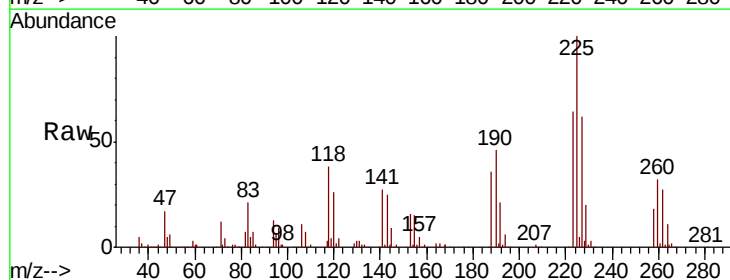


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

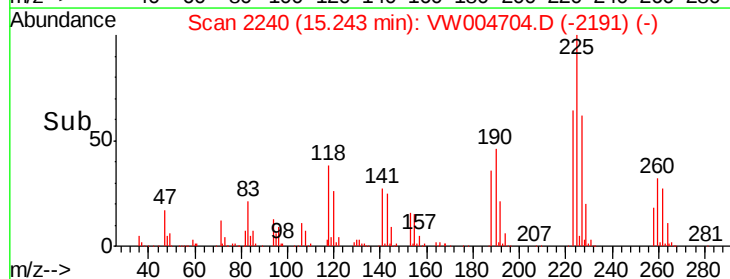
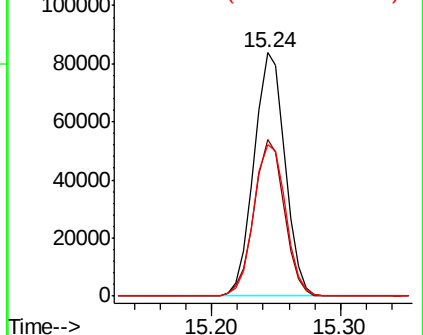


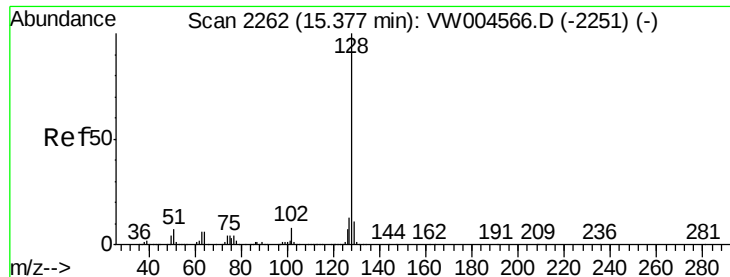
#94
 Hexachlorobutadiene
 Concen: 21.429 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004704.D
 Acq: 15 Aug 2018 19:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.8
227	63.9	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.162 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

Instrument :

MSVOA_W

ClientSampleId :

VW0817SBSD01

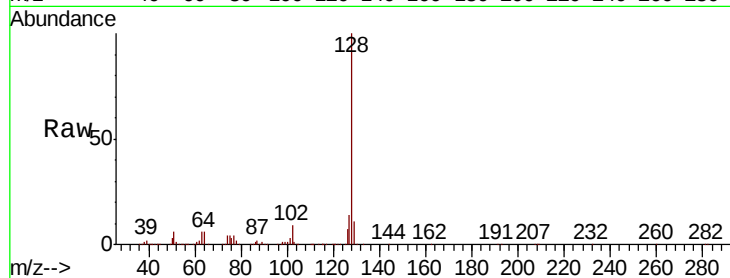
Tot Ion:128 Resp: 396541

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

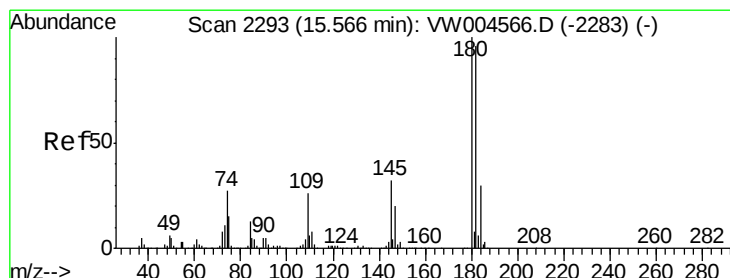
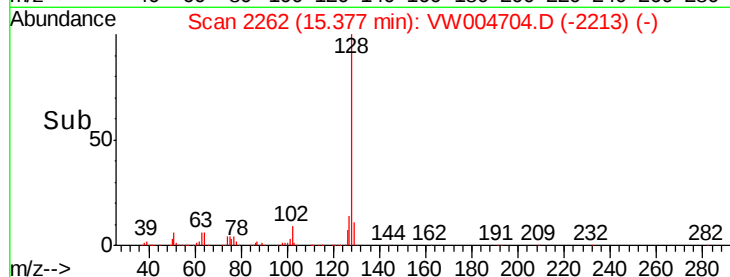
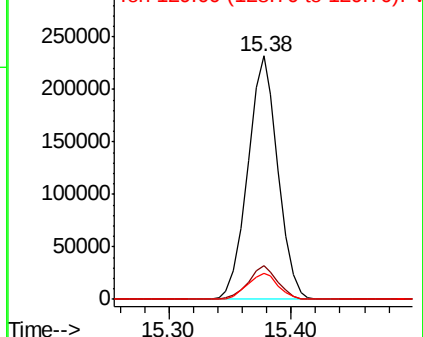
129 11.1 8.6 13.0



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: 20.834 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004704.D

Acq: 15 Aug 2018 19:27

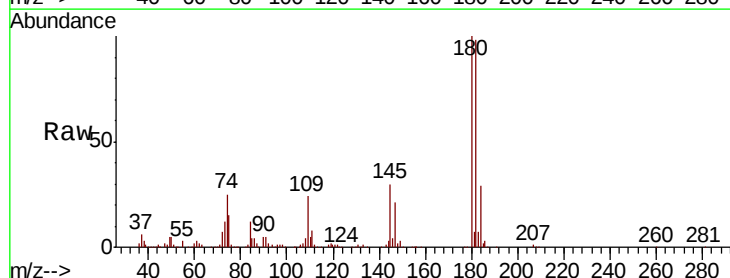
Tgt Ion:180 Resp: 208502

Ion Ratio Lower Upper

180 100

182 95.7 47.0 141.2

145 30.7 15.9 47.6



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

