

Data File : VW004745.D
Acq On : 17 Aug 2018 21:04
Operator : SY/AP
Sample : VW0819SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Quant Time: Aug 18 02:39:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	644992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1008167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	951749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	506589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	324410	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.88	113	323671	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.33	98	1265643	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.62	95	460157	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	91081	21.319 ug/l	99
3) Chloromethane	2.22	50	110119	19.713 ug/l	99
4) Vinyl Chloride	2.37	62	169768	20.647 ug/l	100
5) Bromomethane	2.78	94	104285	20.536 ug/l	98
6) Chloroethane	2.92	64	99496	20.055 ug/l	99
7) Trichlorofluoromethane	3.25	101	64534	16.660 ug/l	94
8) Diethyl Ether	3.68	74	73223	20.907 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	133313	19.986 ug/l	99
10) Methyl Iodide	4.26	142	205859	20.322 ug/l	100
11) Tert butyl alcohol	5.18	59	45758	131.345 ug/l	98
12) 1,1-Dichloroethene	4.03	96	135965	20.456 ug/l	98
13) Acrolein	3.89	56	51487	110.132 ug/l	98
14) Allyl chloride	4.66	41	199435	19.772 ug/l	99
15) Acrylonitrile	5.37	53	161635	110.050 ug/l	99
16) Acetone	4.12	43	164273	103.197 ug/l	98
17) Carbon Disulfide	4.38	76	438863	20.091 ug/l	100
18) Methyl Acetate	4.67	43	75192	22.042 ug/l	100
19) Methyl tert-butyl Ether	5.43	73	182190	21.116 ug/l	99
20) Methylene Chloride	4.92	84	174365	21.533 ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	143599	20.305 ug/l	95
22) Diisopropyl ether	6.31	45	416699	21.493 ug/l	98
23) Vinyl Acetate	6.26	43	1161132	105.882 ug/l	98
24) 1,1-Dichloroethane	6.21	63	258769	20.539 ug/l	99
25) 2-Butanone	7.18	43	248555	109.589 ug/l	99
26) 2,2-Dichloropropane	7.17	77	139606	19.185 ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	155296	20.397 ug/l	97
28) Bromochloromethane	7.51	49	111405	20.998 ug/l	98
29) Tetrahydrofuran	7.54	42	127746	110.455 ug/l	99
30) Chloroform	7.68	83	254842	20.567 ug/l	98
31) Cyclohexane	7.96	56	239435	19.648 ug/l	# 94
32) 1,1,1-Trichloroethane	7.87	97	197939	20.152 ug/l	99
36) 1,1-Dichloropropene	8.09	75	201293	19.381 ug/l	99
37) Ethyl Acetate	7.26	43	87977	21.250 ug/l	99
38) Carbon Tetrachloride	8.07	117	184963	19.347 ug/l	98

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	246905	19.010	ug/l	99
40) Benzene	8.32	78	603171	19.984	ug/l	100
41) Methacrylonitrile	7.49	41	51021	21.715	ug/l	99
42) 1,2-Dichloroethane	8.40	62	159252	20.575	ug/l	100
43) Isopropyl Acetate	8.43	43	151121	20.321	ug/l	99
44) Trichloroethene	9.09	130	151626	19.790	ug/l	98
45) 1,2-Dichloropropane	9.37	63	149844	20.296	ug/l	99
46) Dibromomethane	9.46	93	74393	20.339	ug/l	100
47) Bromodichloromethane	9.65	83	174044	19.924	ug/l	98
48) Methyl methacrylate	9.44	41	72734	20.844	ug/l	98
49) 1,4-Dioxane	9.45	88	23422	438.296	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	533319	106.112	ug/l	99
52) Toluene	10.39	92	367645	20.309	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	171932	19.535	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	209448	19.962	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	105292	20.251	ug/l	99
56) Ethyl methacrylate	10.65	69	124783	20.256	ug/l	99
57) 1,3-Dichloropropane	10.94	76	183446	20.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	324234	112.919	ug/l	98
59) 2-Hexanone	10.98	43	360547	105.874	ug/l	99
60) Dibromochloromethane	11.13	129	117715	20.180	ug/l	98
61) 1,2-Dibromoethane	11.24	107	101163	20.355	ug/l	99
64) Tetrachloroethene	10.87	164	131405	20.202	ug/l	98
65) Chlorobenzene	11.66	112	404183	19.731	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	134374	19.428	ug/l	99
67) Ethyl Benzene	11.74	91	674872	19.434	ug/l	99
68) m/p-Xylenes	11.85	106	537814	39.806	ug/l	99
69) o-Xylene	12.17	106	248744	19.888	ug/l	98
70) Styrene	12.19	104	421637	20.068	ug/l	100
71) Bromoform	12.35	173	71578	19.607	ug/l #	97
73) Isopropylbenzene	12.47	105	676612	19.632	ug/l	100
74) N-amyl acetate	12.28	43	145741	20.623	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	130766	20.482	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	166137	37.203	ug/l #	100
77) Bromobenzene	12.75	156	166794	19.995	ug/l	100
78) n-propylbenzene	12.81	91	847867	20.161	ug/l	100
79) 2-Chlorotoluene	12.90	91	484169	19.973	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	594174	20.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	37552	19.545	ug/l	99
82) 4-Chlorotoluene	12.99	91	520922	20.225	ug/l	99
83) tert-Butylbenzene	13.21	119	491720	19.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	615714	20.440	ug/l	99
85) sec-Butylbenzene	13.39	105	739520	19.779	ug/l	100
86) p-Isopropyltoluene	13.51	119	643124	19.768	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	341571	20.130	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	340412	20.070	ug/l	99
89) n-Butylbenzene	13.84	91	610134	19.397	ug/l	100
90) Hexachloroethane	14.10	117	113385	19.120	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	306663	20.122	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20632	20.678	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081918\
Quantitation Report (Not Reviewed)

Data File : VW004745.D
Acq On : 17 Aug 2018 21:04
Operator : SY/AP
Sample : VW0819SBSD01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

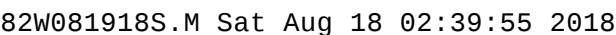
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

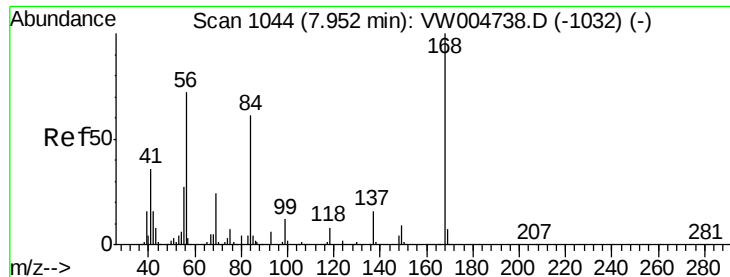
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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	218714	20.290	ug/l	99
94) Hexachlorobutadiene	15.24	225	128631	19.441	ug/l	99
95) Naphthalene	15.38	128	381921	20.511	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	199059	20.824	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

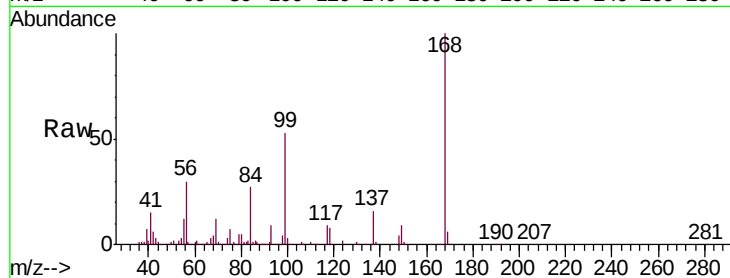
VW0819SBSD01

Tgt Ion:168 Resp: 644992

Ion Ratio Lower Upper

168 100

99 52.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

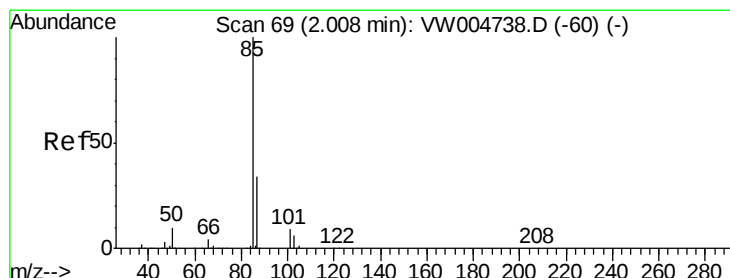
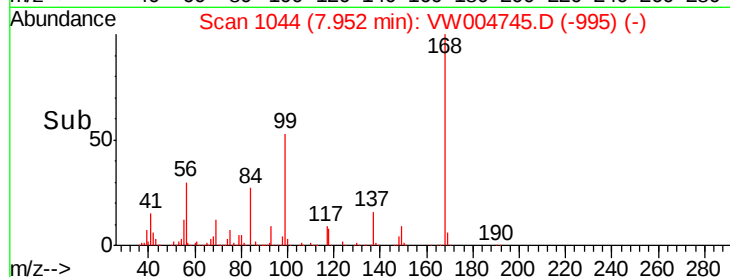
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.319 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004745.D

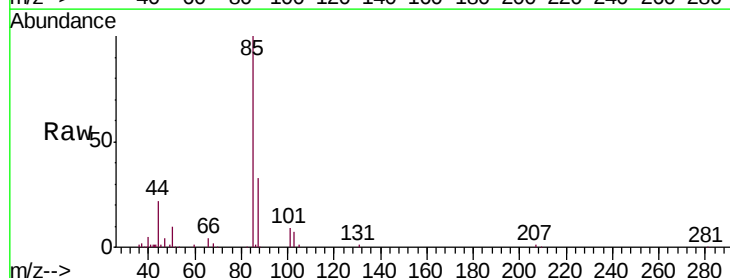
Acq: 17 Aug 2018 21:04

Tgt Ion: 85 Resp: 91081

Ion Ratio Lower Upper

85 100

87 32.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

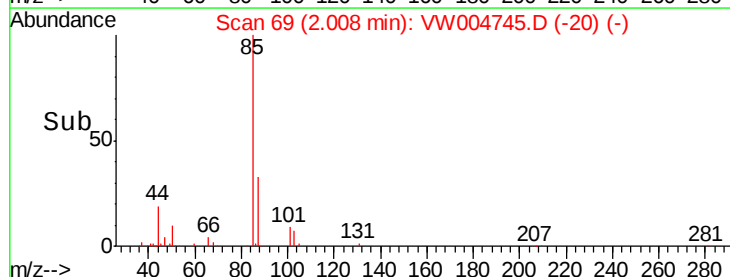
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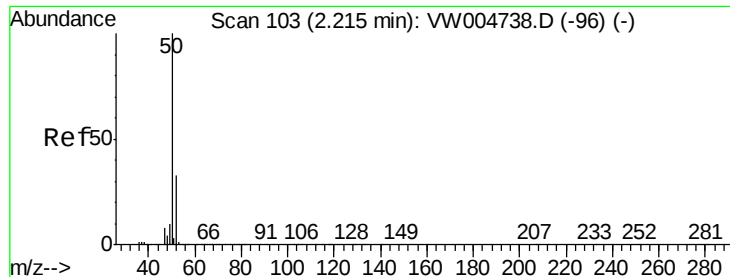
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 19.713 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

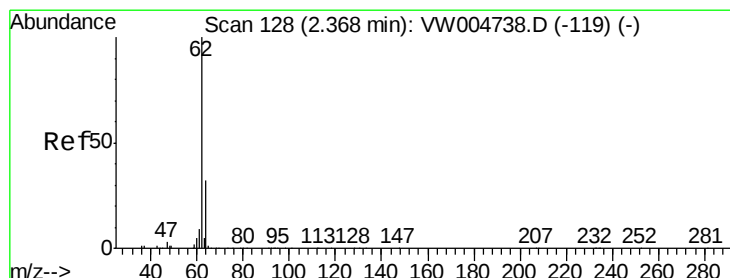
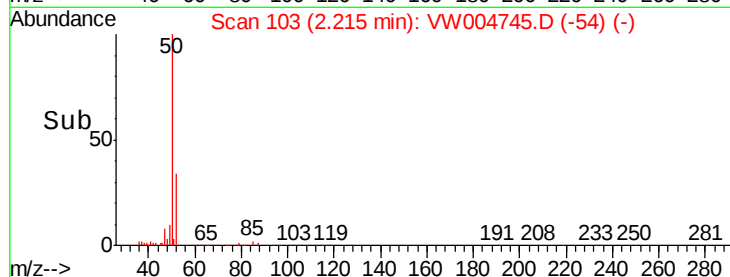
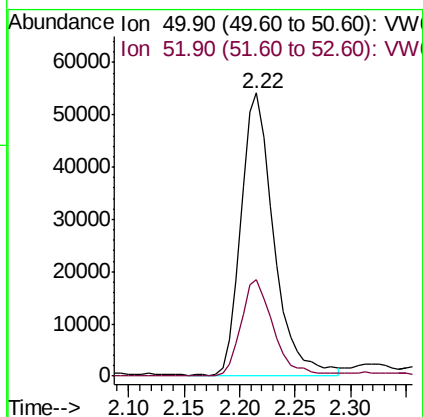
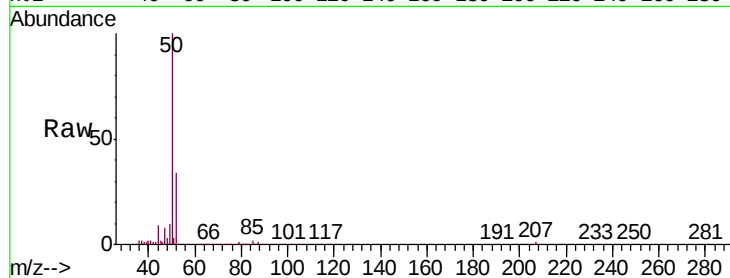
VW0819SBSD01

Tgt Ion: 50 Resp: 110119

Ion Ratio Lower Upper

50 100

52 34.2 26.7 40.1



#4

Vinyl Chloride

Concen: 20.647 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004745.D

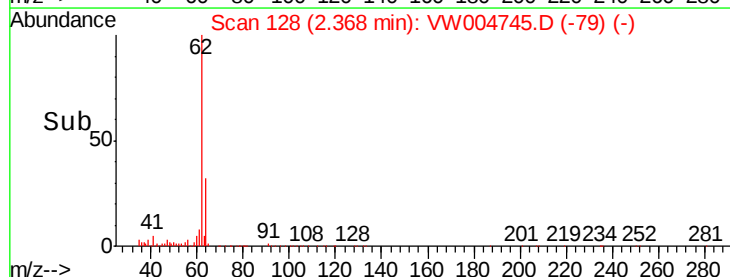
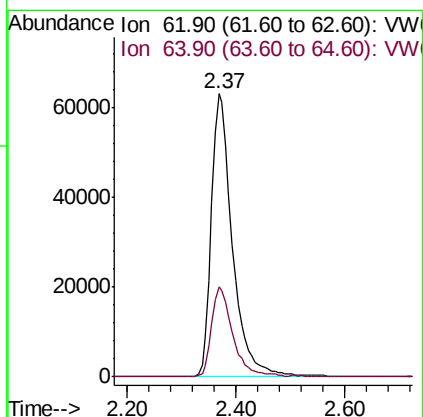
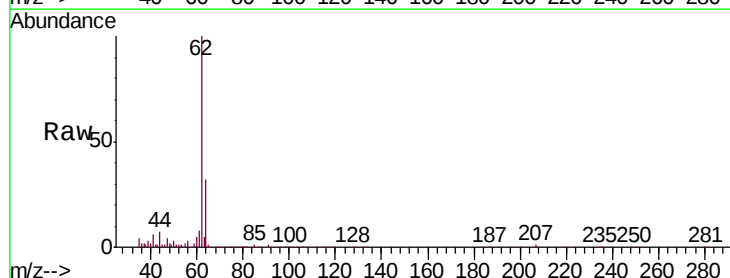
Acq: 17 Aug 2018 21:04

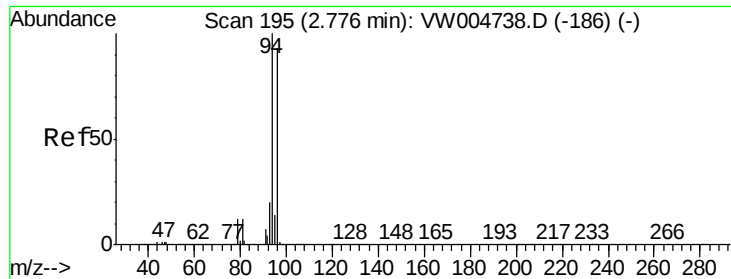
Tgt Ion: 62 Resp: 169768

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 20.536 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

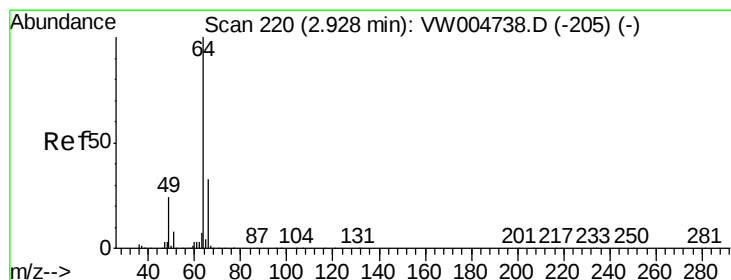
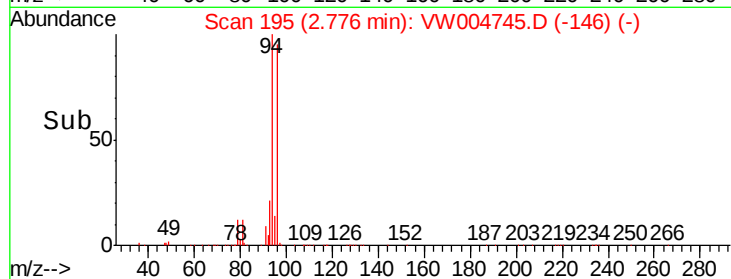
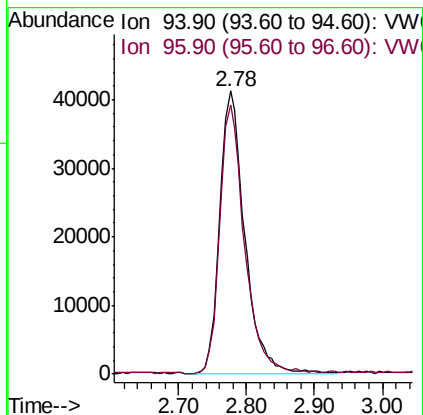
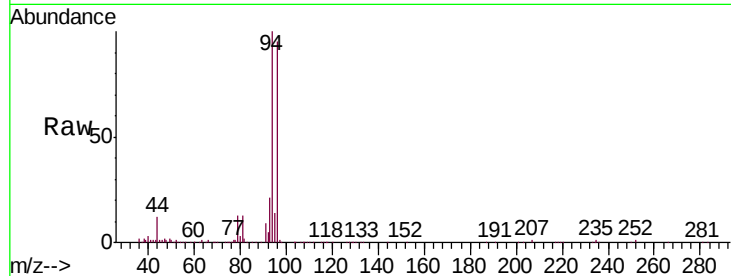
VW0819SBSD01

Tgt Ion: 94 Resp: 104285

Ion Ratio Lower Upper

94 100

96 95.0 74.3 111.5



#6

Chloroethane

Concen: 20.055 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004745.D

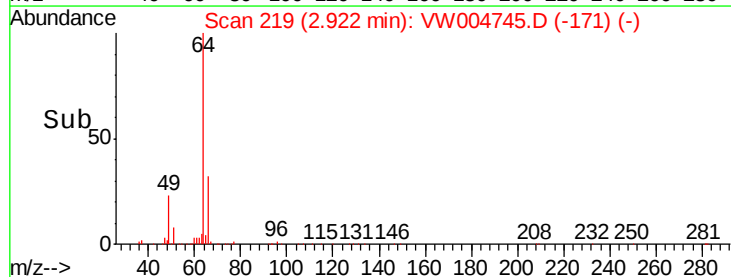
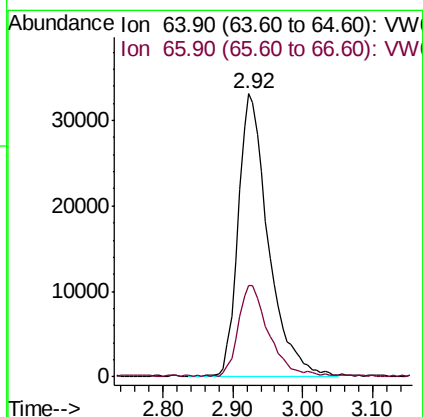
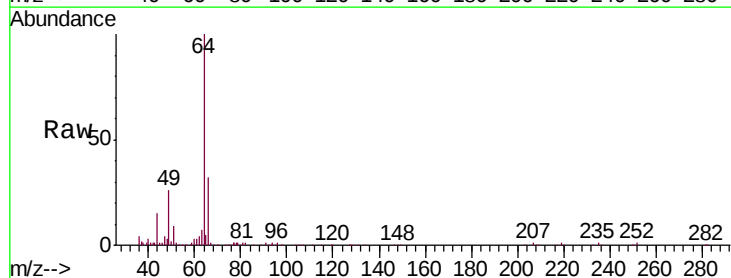
Acq: 17 Aug 2018 21:04

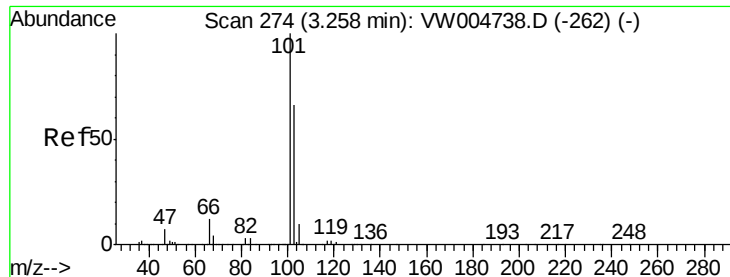
Tgt Ion: 64 Resp: 99496

Ion Ratio Lower Upper

64 100

66 32.0 26.1 39.1



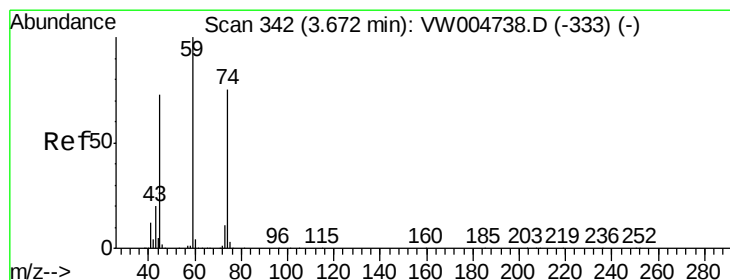
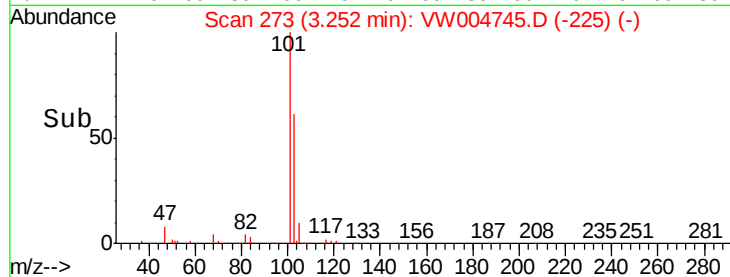
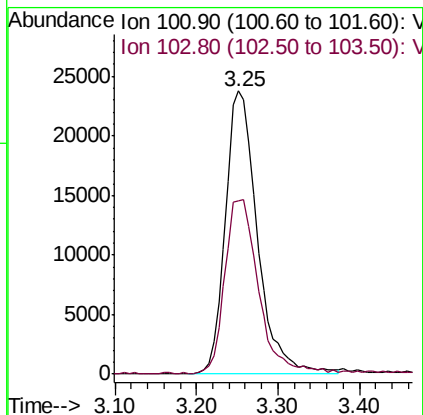
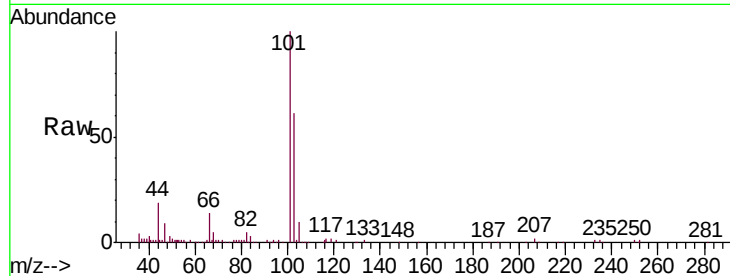


#7

Trichlorofluoromethane
 Concen: 16.660 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
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 VW0819SBSD01

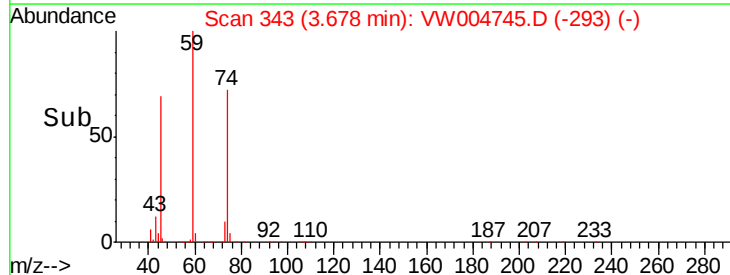
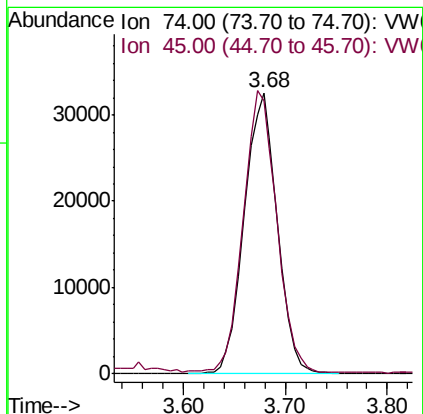
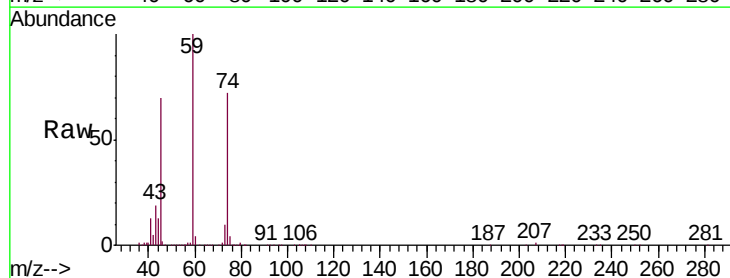
Tgt Ion:101 Resp: 64534
 Ion Ratio Lower Upper
 101 100
 103 61.1 52.5 78.7

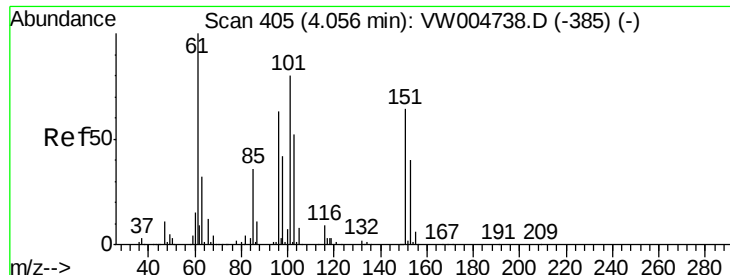


#8

Diethyl Ether
 Concen: 20.907 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion: 74 Resp: 73223
 Ion Ratio Lower Upper
 74 100
 45 101.2 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.986 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

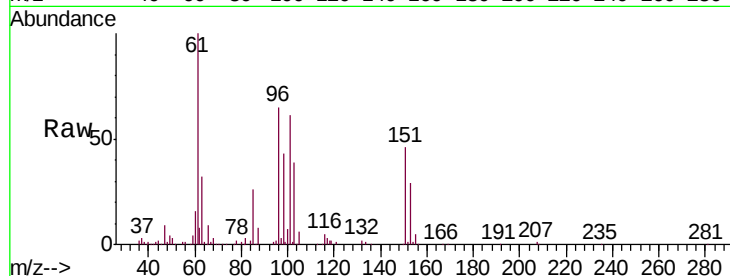
Tgt Ion:101 Resp: 133313

Ion Ratio Lower Upper

101 100

85 43.7 33.9 50.9

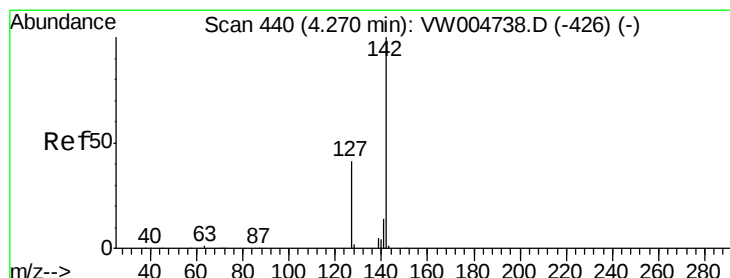
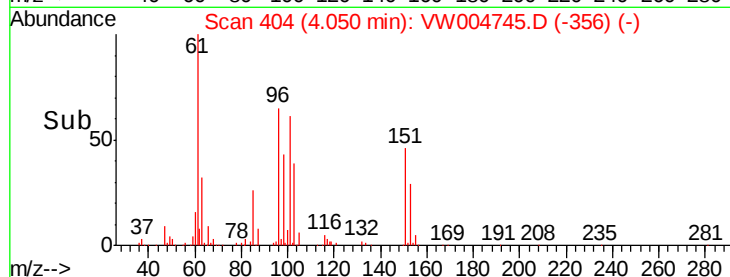
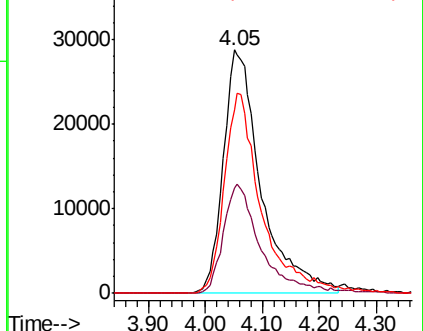
151 80.2 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.322 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

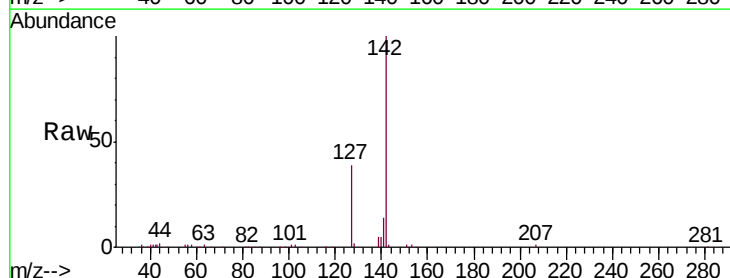
Tgt Ion:142 Resp: 205859

Ion Ratio Lower Upper

142 100

127 39.9 32.1 48.1

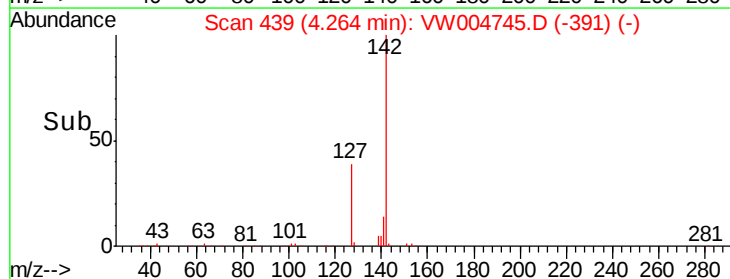
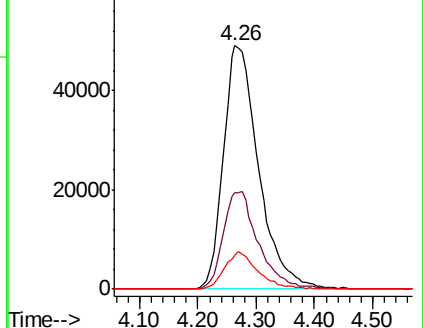
141 14.6 11.7 17.5

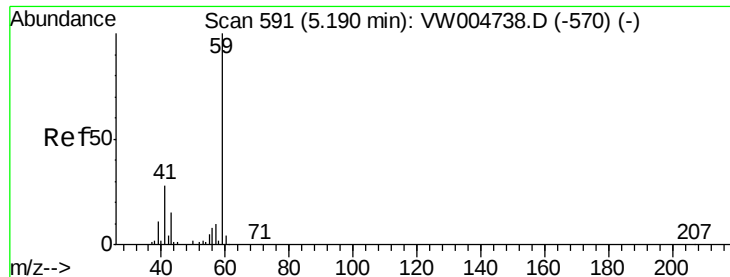


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



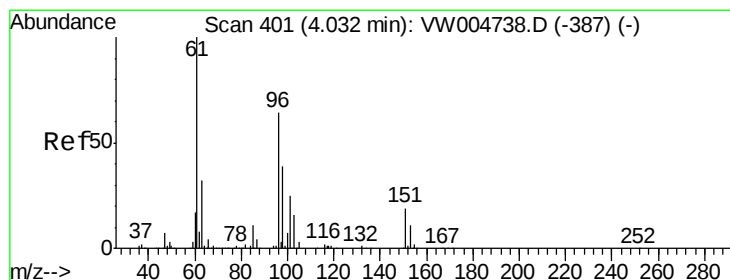
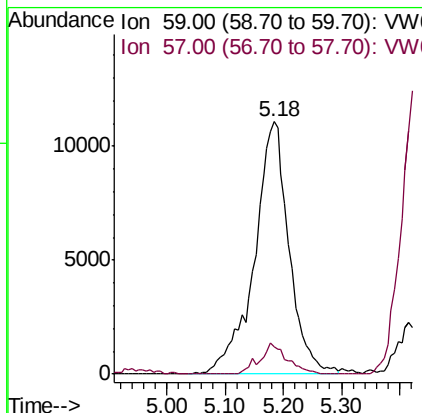
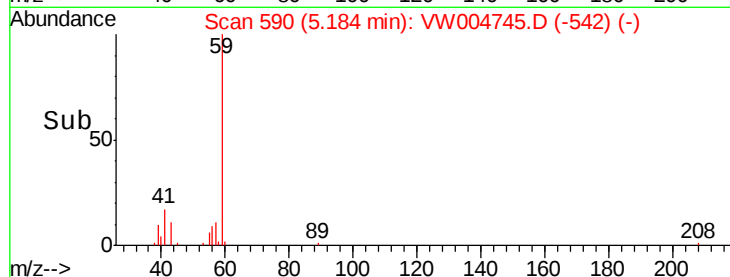
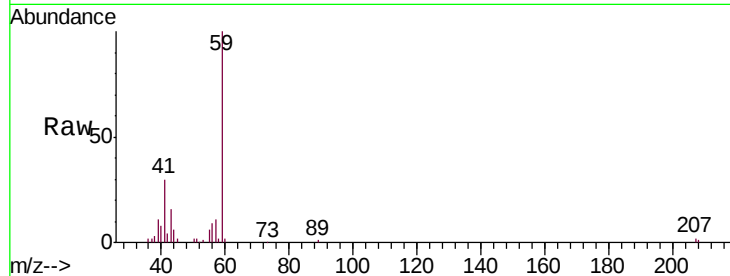


#11

Tert butyl alcohol
Concen: 131.345 ug/l
RT: 5.18 min Scan# 590
Delta R.T. -0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

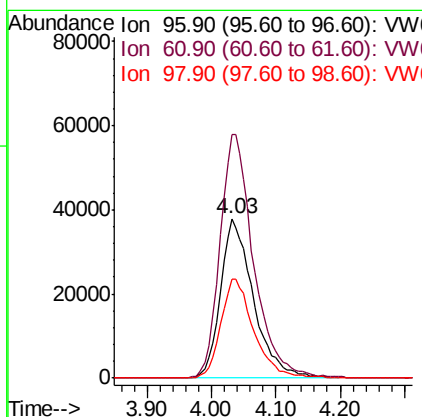
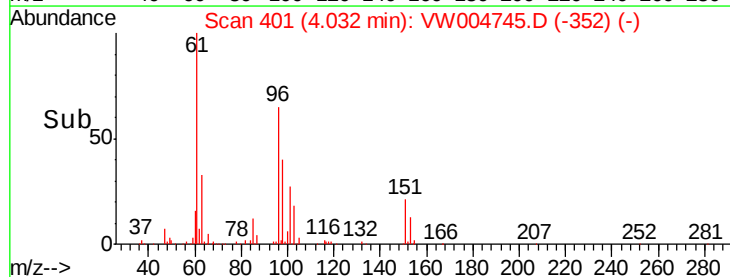
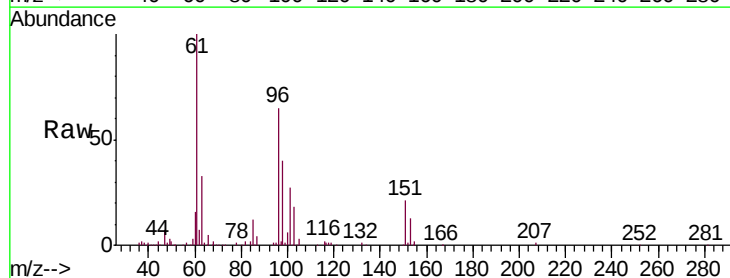
Tgt Ion: 59 Resp: 45758
Ion Ratio Lower Upper
59 100
57 9.7 8.4 12.6

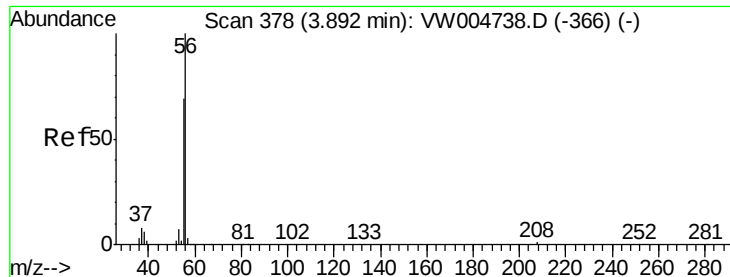


#12

1,1-Dichloroethene
Concen: 20.456 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 96 Resp: 135965
Ion Ratio Lower Upper
96 100
61 152.7 125.6 188.4
98 61.9 49.4 74.0





#13

Acrolein

Concen: 110.132 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

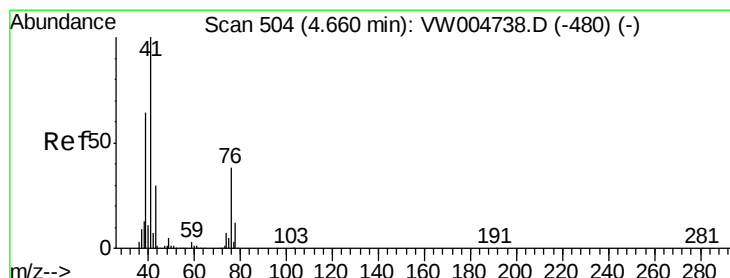
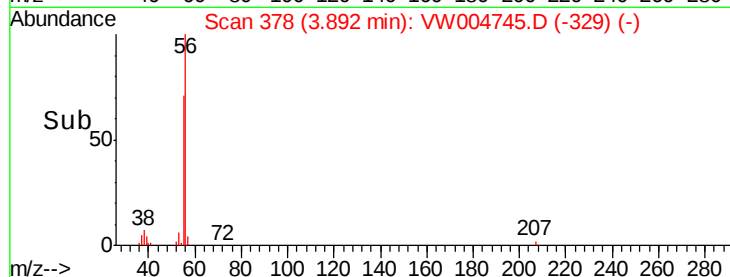
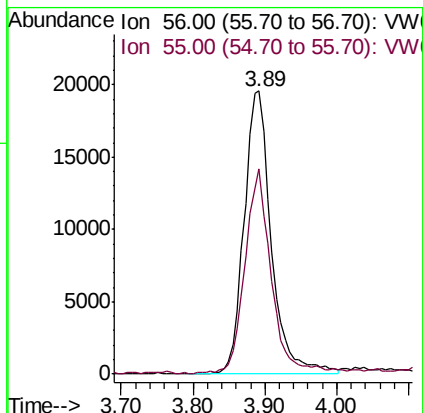
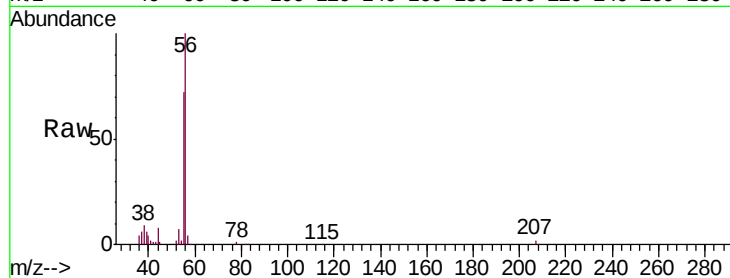
VW0819SBSD01

Tgt Ion: 56 Resp: 51487

Ion Ratio Lower Upper

56 100

55 68.1 56.1 84.1



#14

Allyl chloride

Concen: 19.772 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

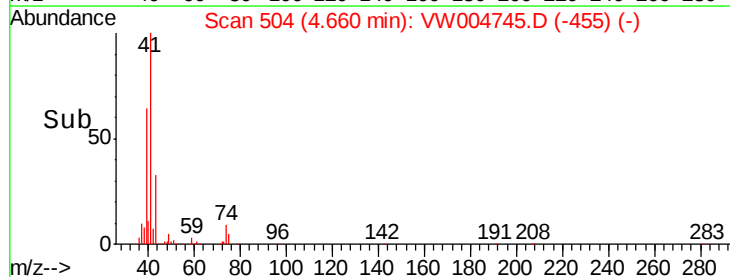
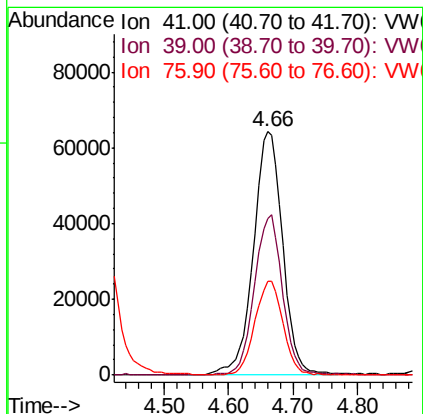
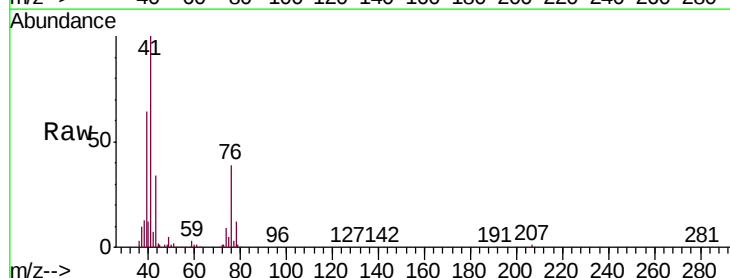
Tgt Ion: 41 Resp: 199435

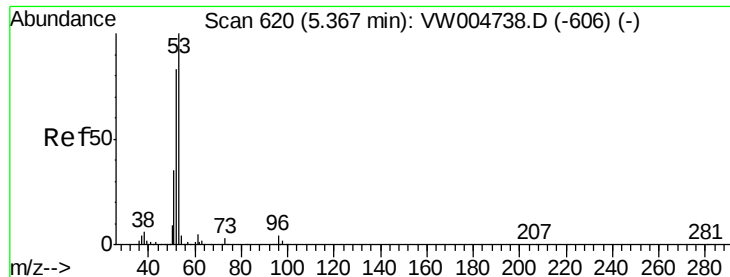
Ion Ratio Lower Upper

41 100

39 63.0 50.0 75.0

76 37.4 29.8 44.6

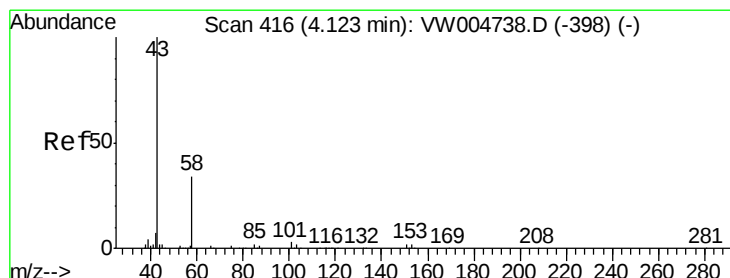
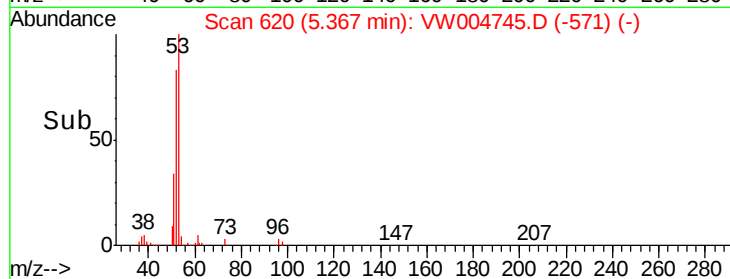
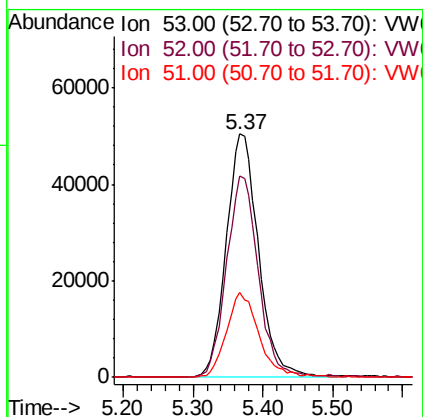
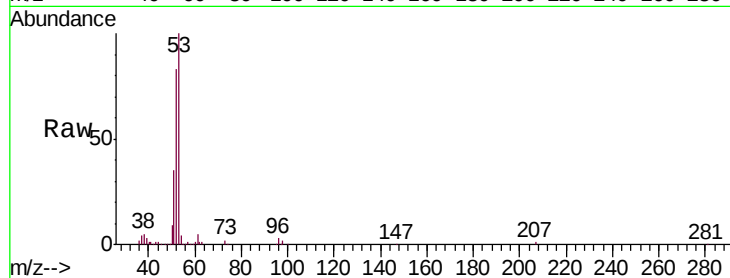




#15
 Acrylonitrile
 Concen: 110.050 ug/l
 RT: 5.37 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

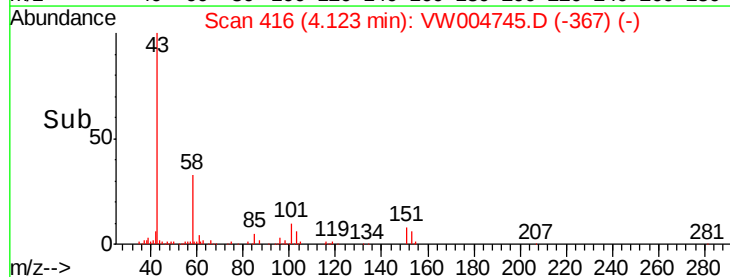
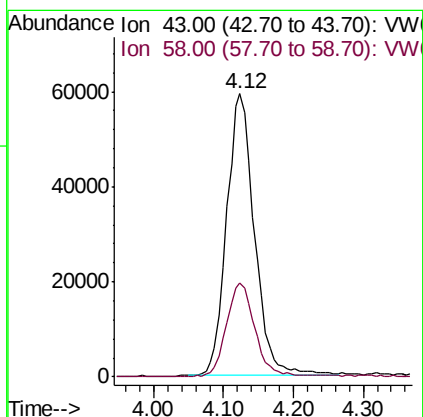
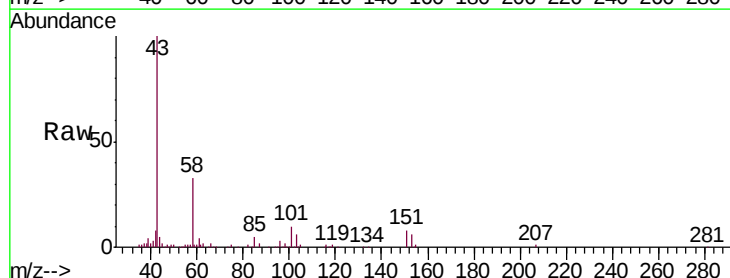
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

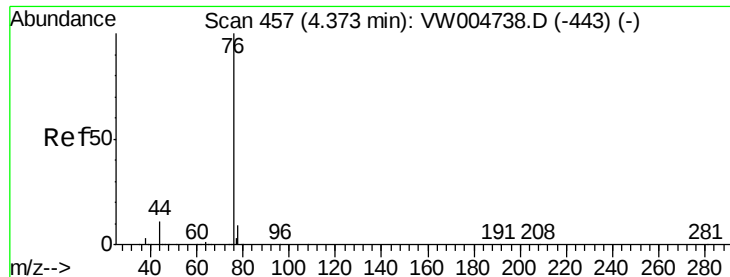
Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.6
51	35.2	28.7	43.1



#16
 Acetone
 Concen: 103.197 ug/l
 RT: 4.12 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.3	40.9





#17

Carbon Disulfide

Concen: 20.091 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

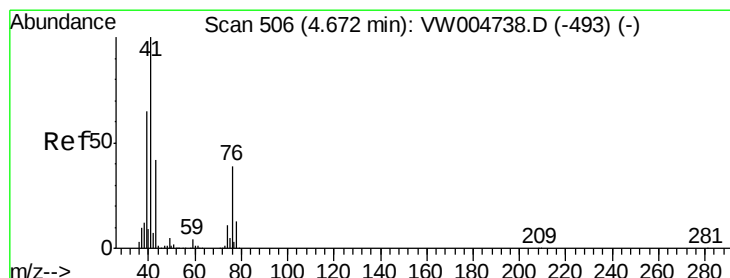
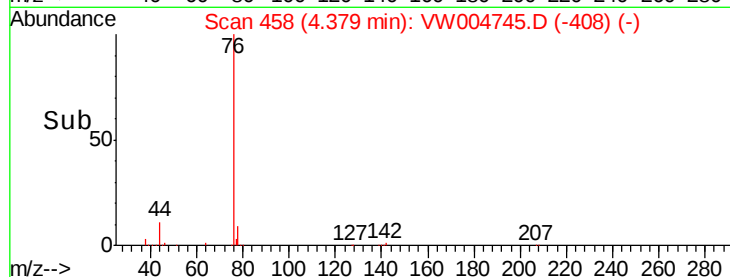
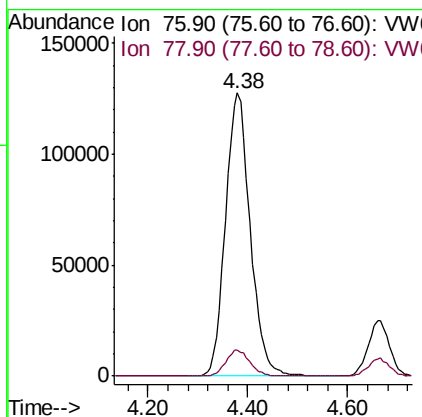
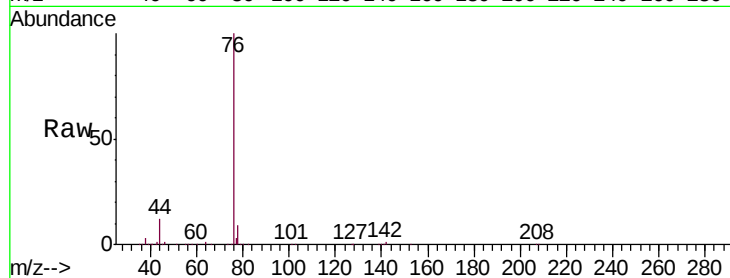
VW0819SBSD01

Tgt Ion: 76 Resp: 438863

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



#18

Methyl Acetate

Concen: 22.042 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.00 min

Lab File: VW004745.D

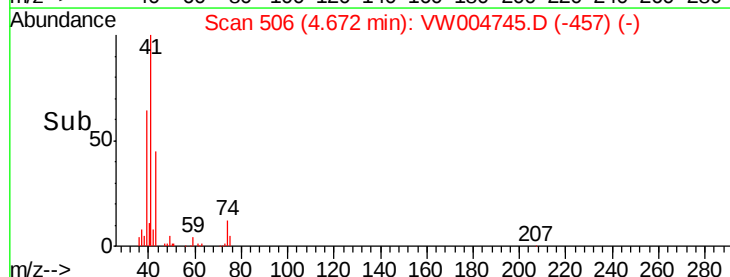
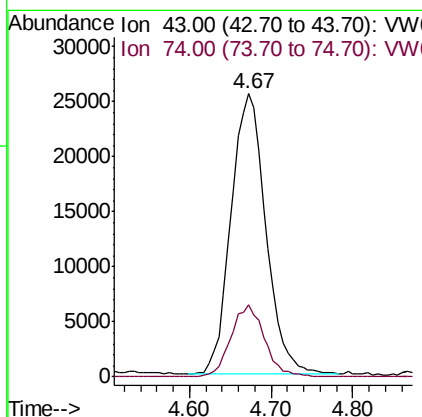
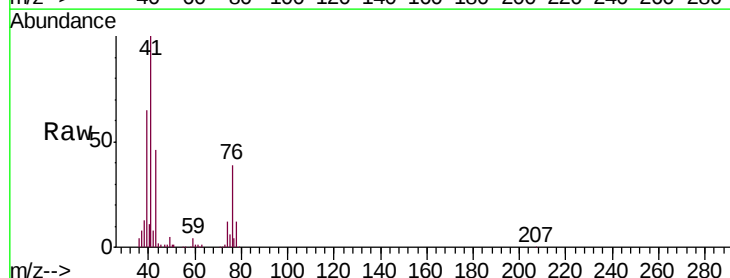
Acq: 17 Aug 2018 21:04

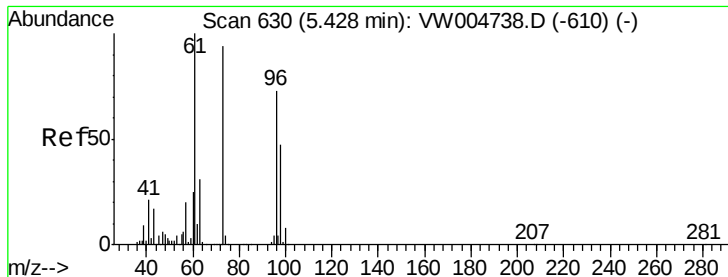
Tgt Ion: 43 Resp: 75192

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8

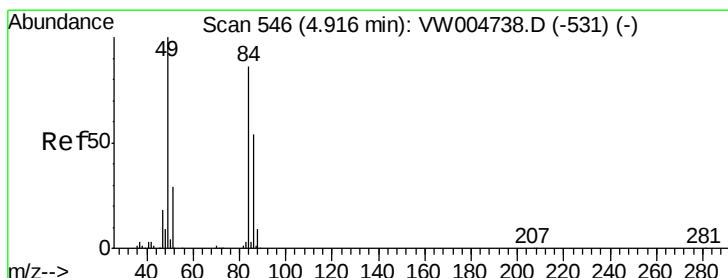
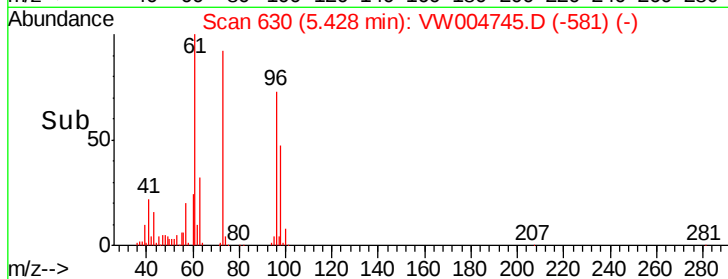
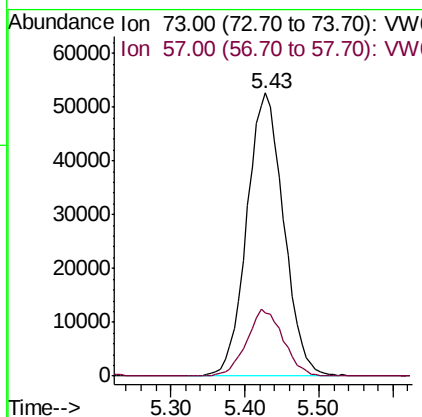
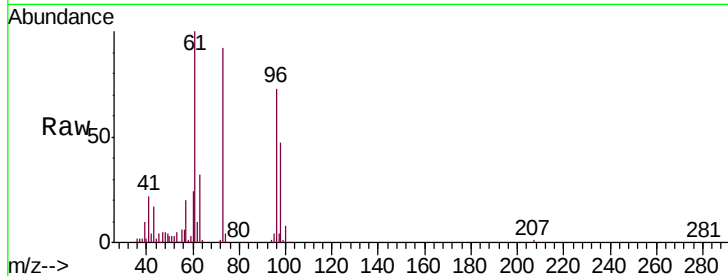




#19
Methyl tert-butyl Ether
Concen: 21.116 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

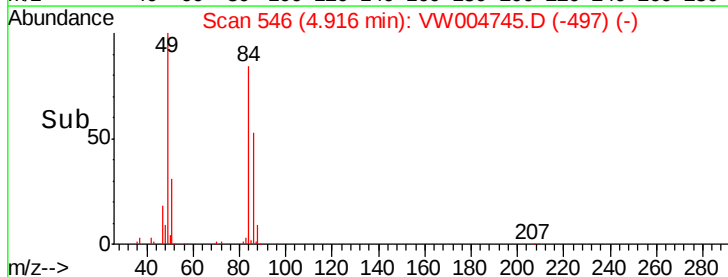
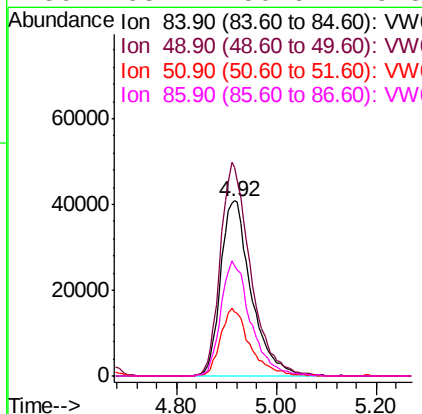
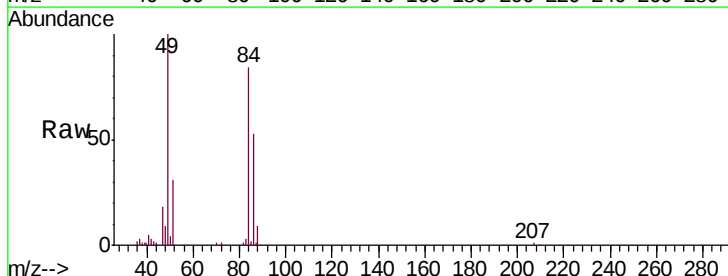
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

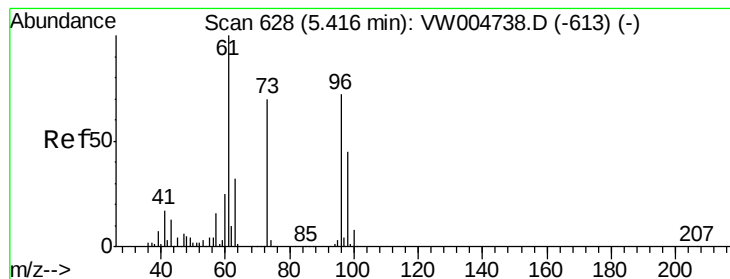
Tgt Ion: 73 Resp: 182190
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 21.533 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 84 Resp: 174365
Ion Ratio Lower Upper
84 100
49 119.6 93.2 139.8
51 36.5 27.4 41.0
86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.305 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

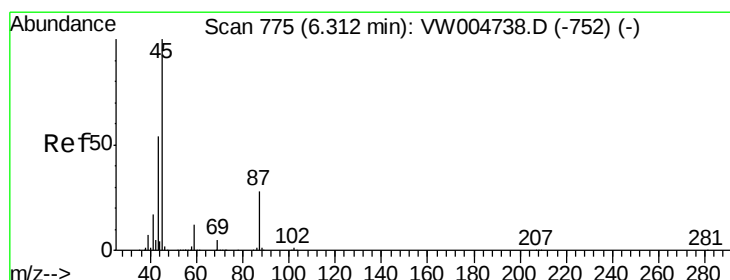
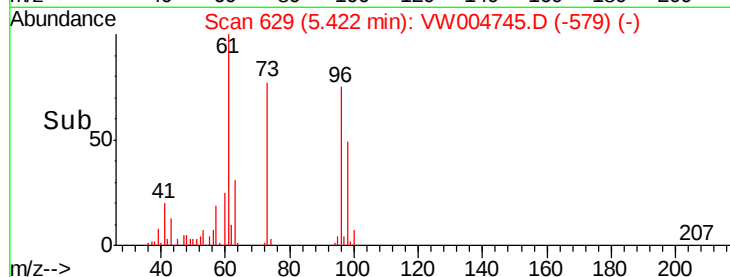
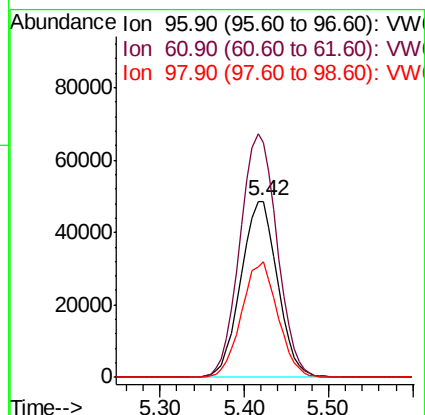
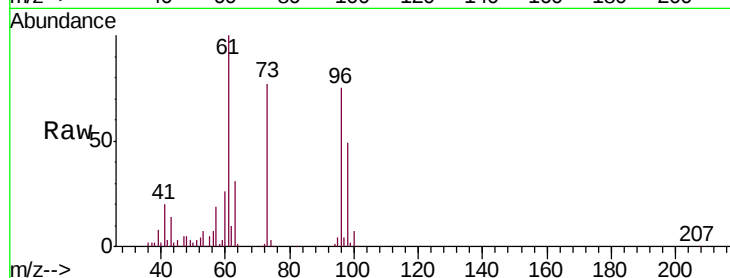
Tgt Ion: 96 Resp: 143599

Ion Ratio Lower Upper

96 100

61 133.5 111.4 167.0

98 65.7 49.7 74.5



#22

Diisopropyl ether

Concen: 21.493 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion: 45 Resp: 416699

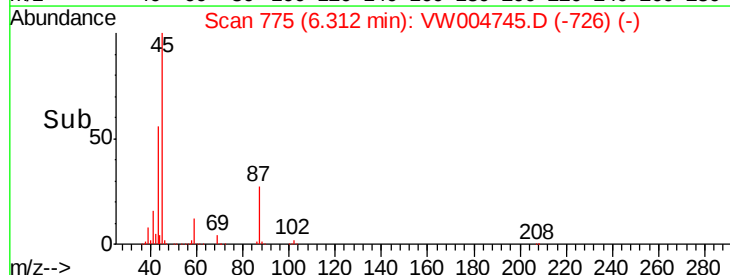
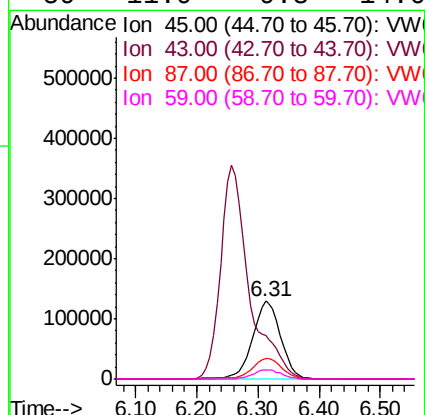
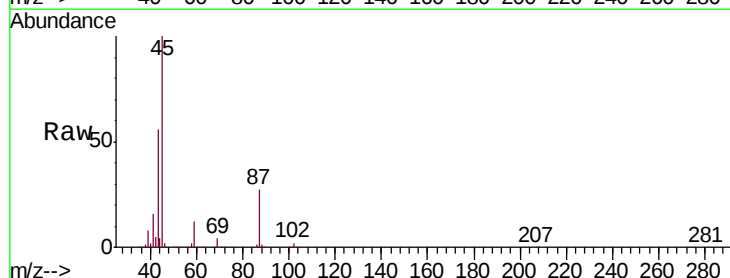
Ion Ratio Lower Upper

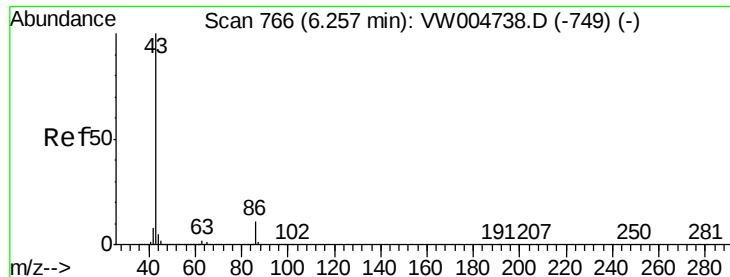
45 100

43 55.4 43.0 64.6

87 26.8 22.2 33.4

59 11.9 9.8 14.6





#23

Vinyl Acetate

Concen: 105.882 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

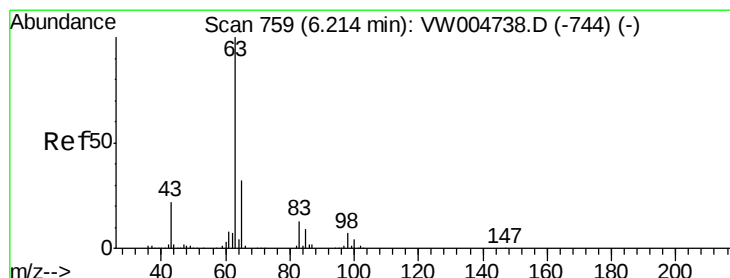
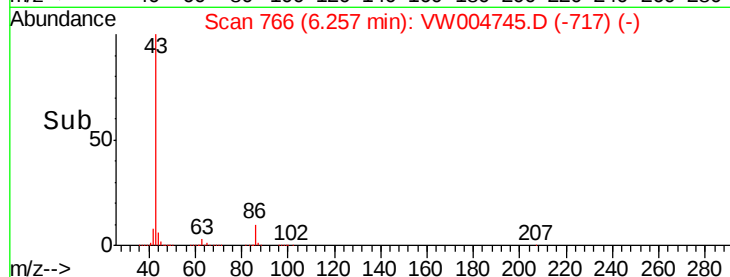
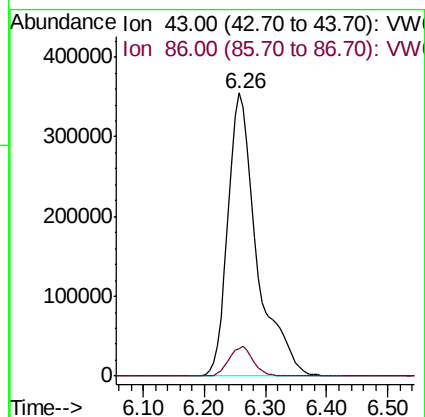
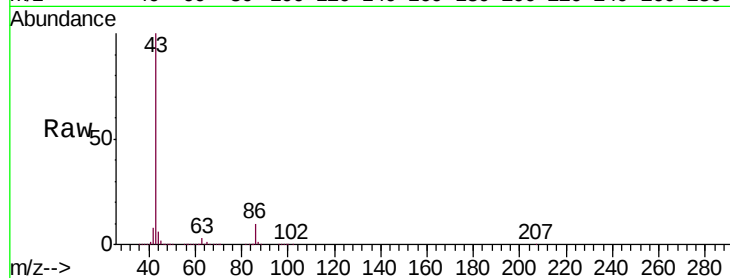
VW0819SBSD01

Tgt Ion: 43 Resp: 1161132

Ion Ratio Lower Upper

43 100

86 9.9 8.5 12.7



#24

1,1-Dichloroethane

Concen: 20.539 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

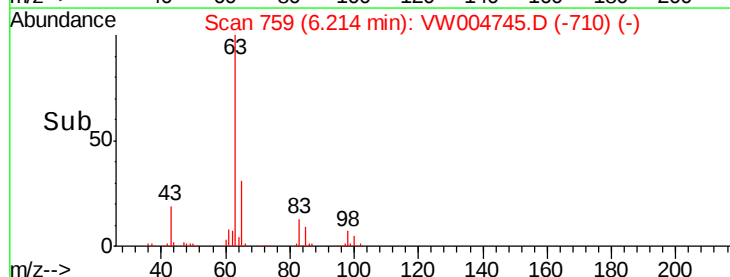
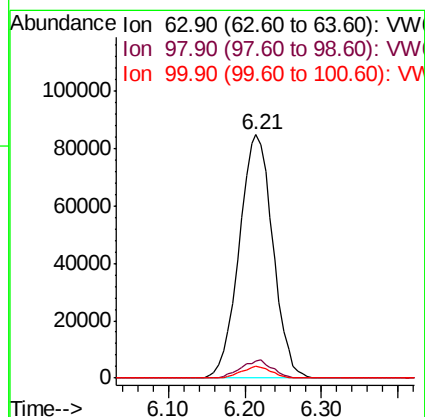
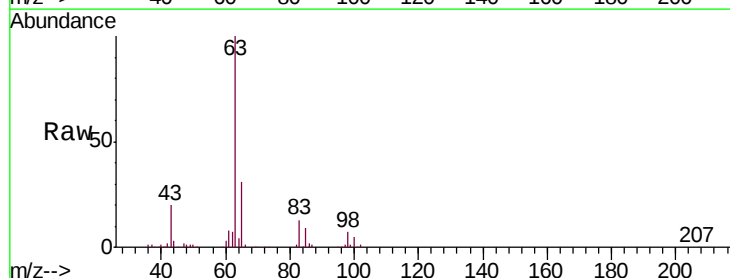
Tgt Ion: 63 Resp: 258769

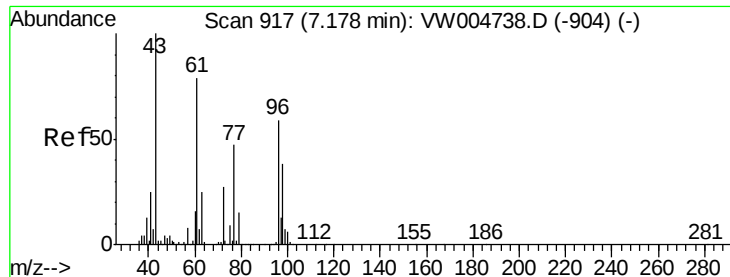
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.6 2.1 6.3





#25

2-Butanone

Concen: 109.589 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

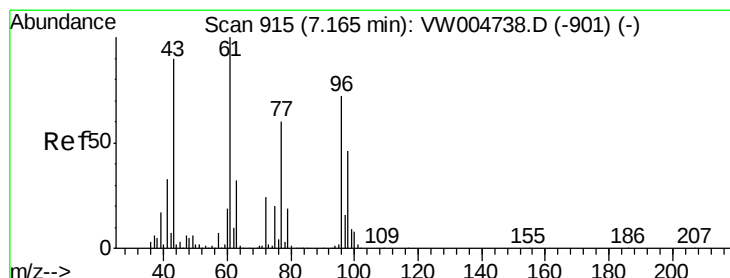
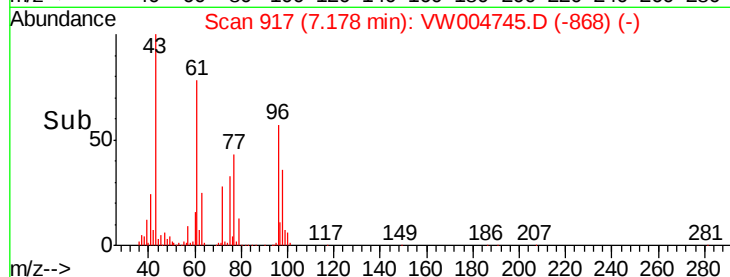
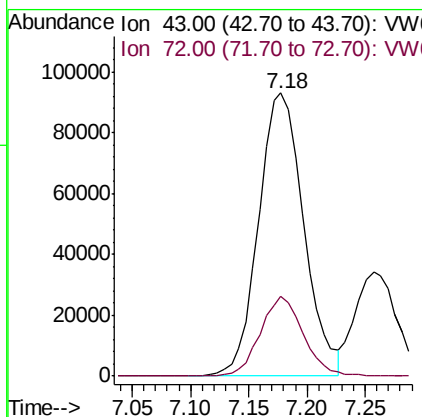
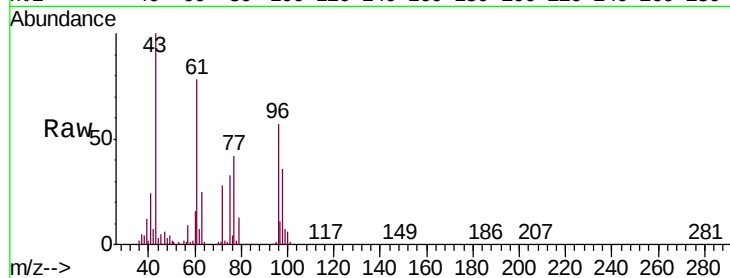
VW0819SBS01

Tgt Ion: 43 Resp: 248555

Ion Ratio Lower Upper

43 100

72 28.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.185 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004745.D

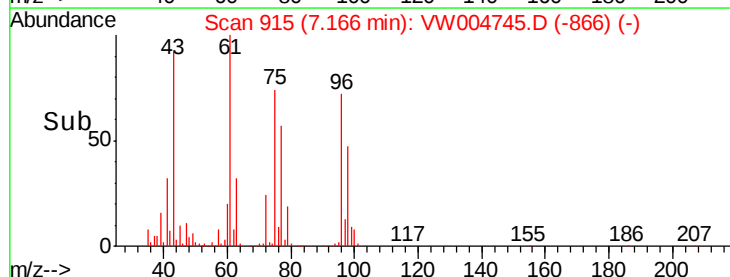
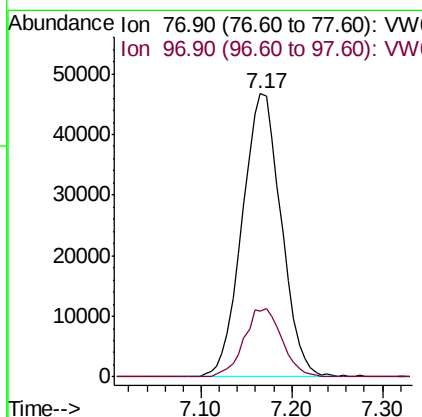
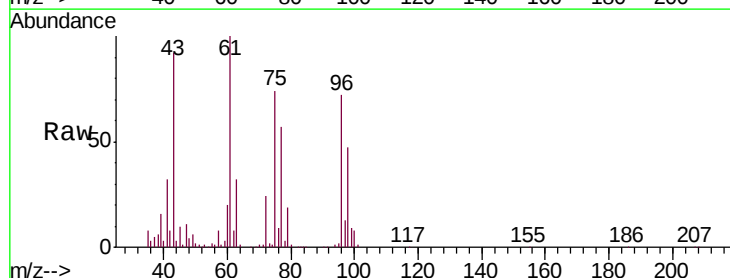
Acq: 17 Aug 2018 21:04

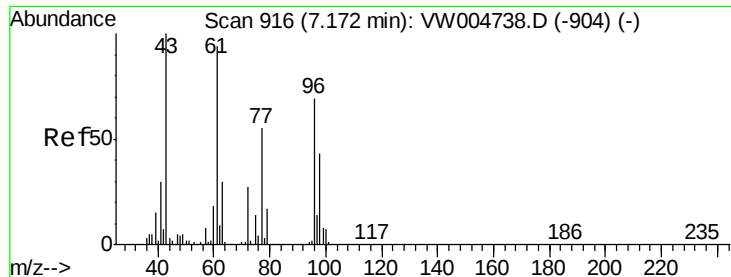
Tgt Ion: 77 Resp: 139606

Ion Ratio Lower Upper

77 100

97 23.4 12.6 37.8



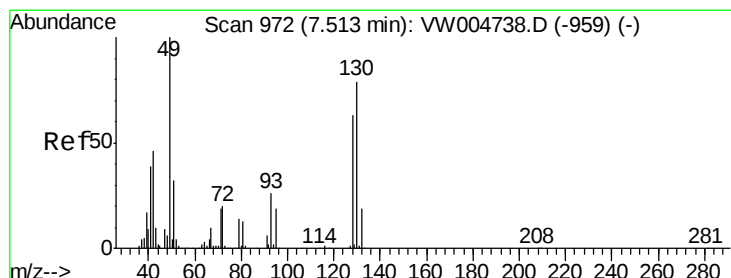
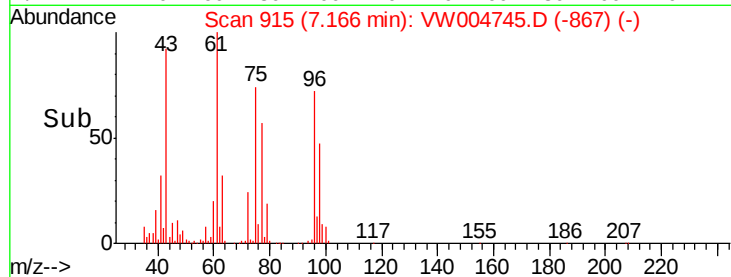
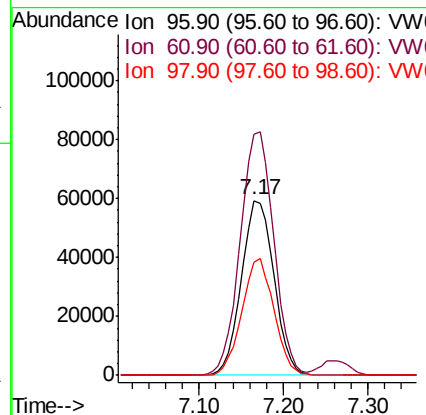
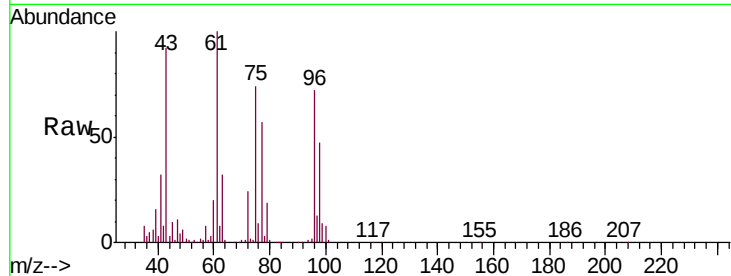


#27

cis-1,2-Dichloroethene
 Concen: 20.397 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

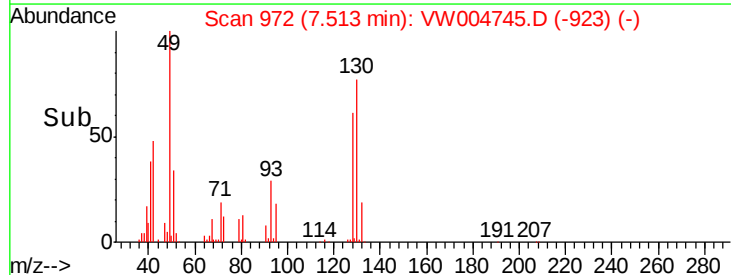
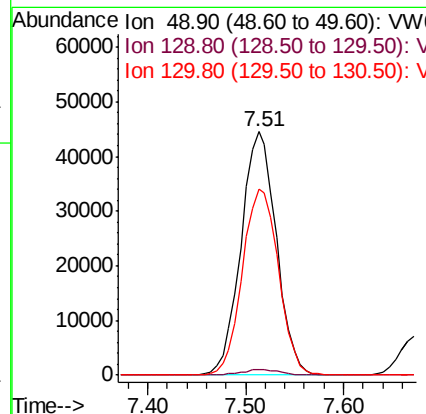
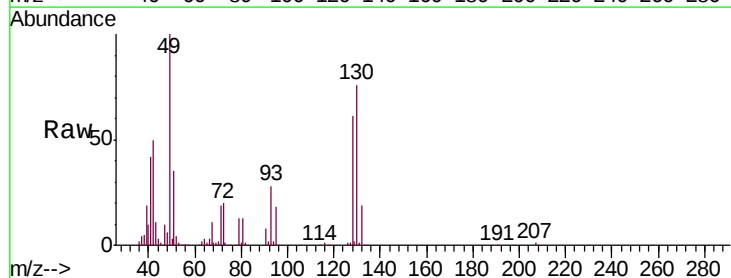
Tgt Ion	Resp	Lower	Upper
96	155296		
Ion Ratio			
96	100		
61	143.4	0.0	277.6
98	65.5	0.0	127.4

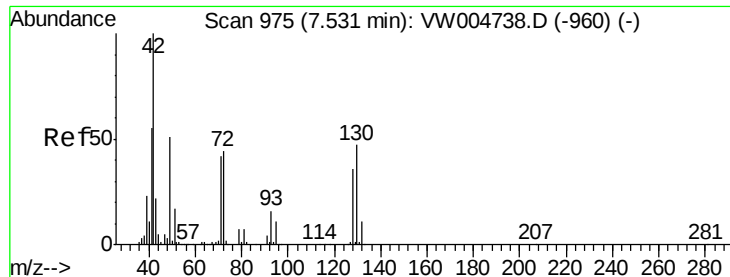


#28

Bromochloromethane
 Concen: 20.998 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion	Resp	Lower	Upper
49	111405		
Ion Ratio			
49	100		
129	2.3	0.0	4.4
130	78.2	63.7	95.5

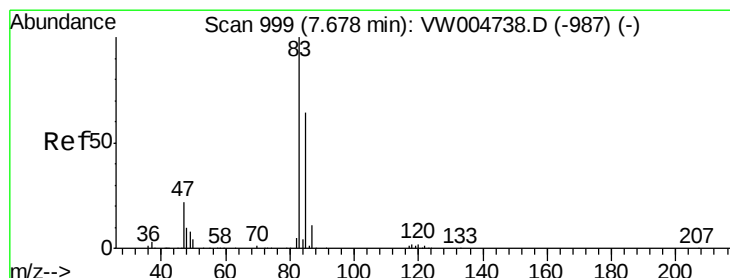
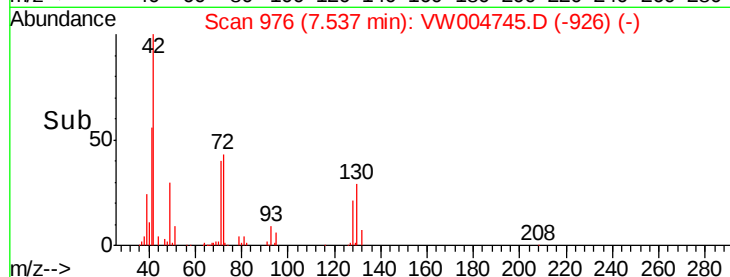
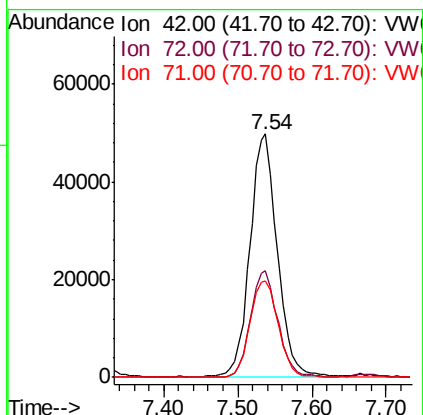
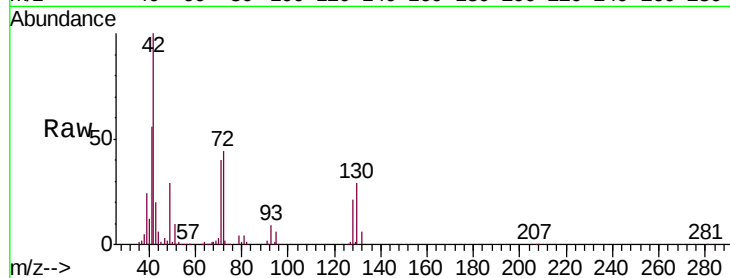




#29
Tetrahydrofuran
Concen: 110.455 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

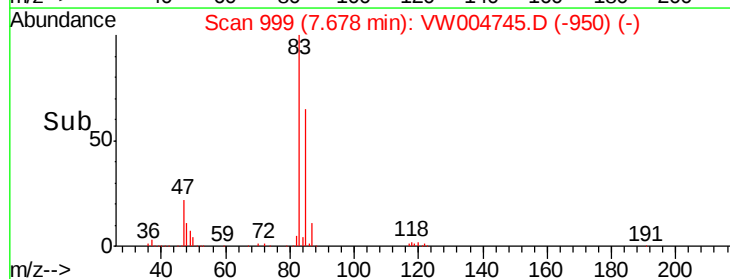
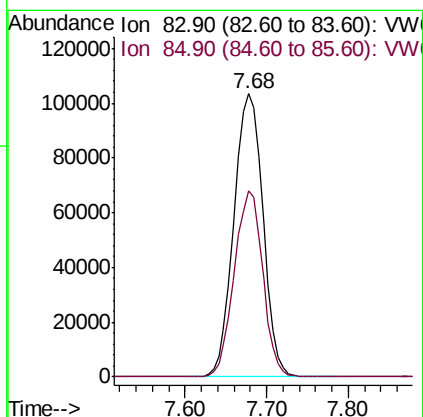
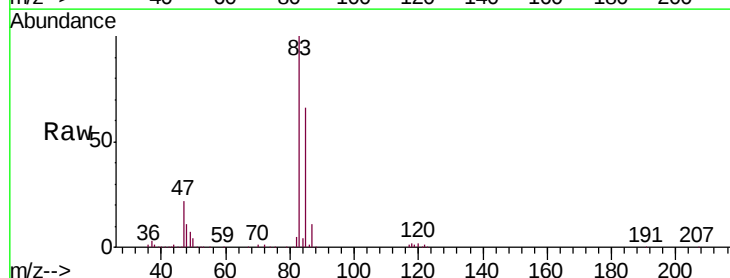
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

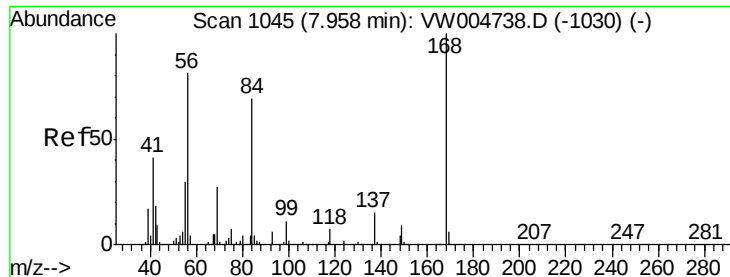
Tgt Ion: 42 Resp: 127746
Ion Ratio Lower Upper
42 100
72 44.0 34.9 52.3
71 41.3 33.8 50.6



#30
Chloroform
Concen: 20.567 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 83 Resp: 254842
Ion Ratio Lower Upper
83 100
85 65.5 51.0 76.6

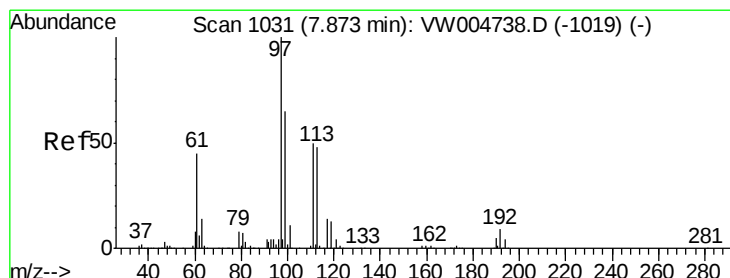
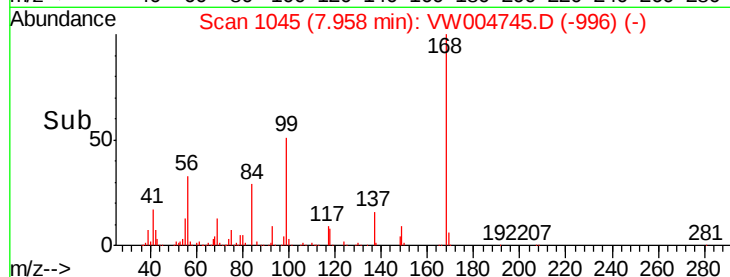
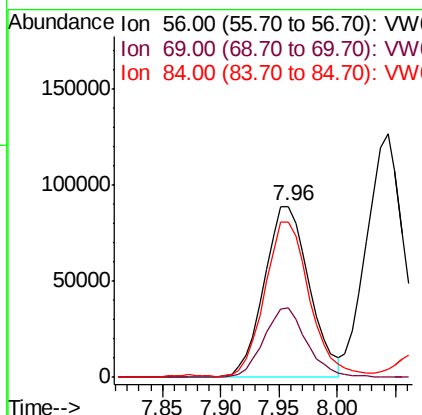
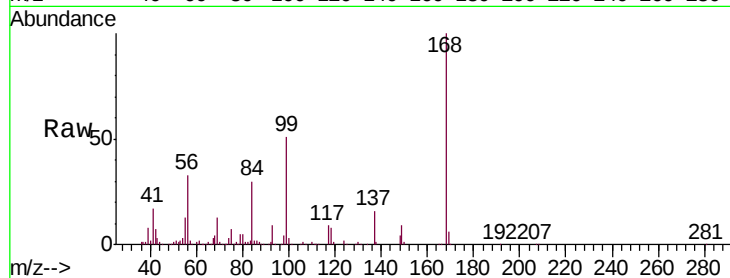




#31
Cyclohexane
Concen: 19.648 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

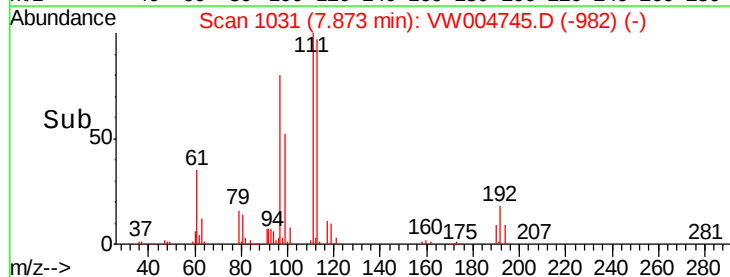
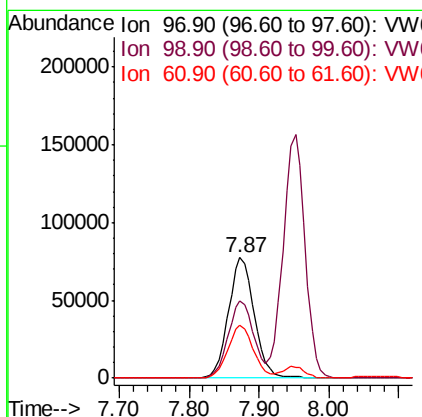
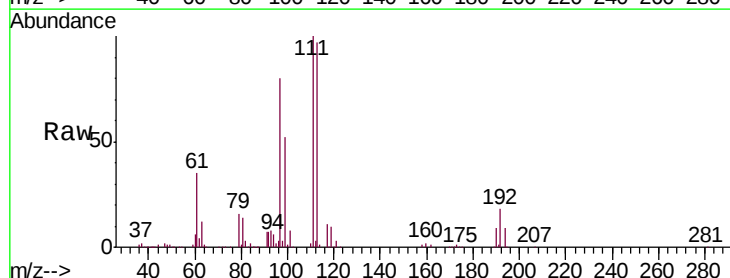
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

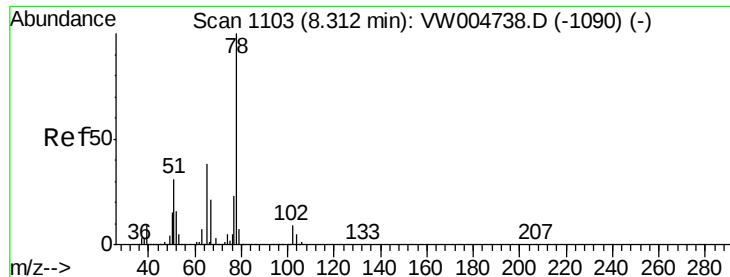
Tgt Ion: 56 Resp: 239435
Ion Ratio Lower Upper
56 100
69 40.9 27.1 40.7#
84 88.9 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 20.152 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 97 Resp: 197939
Ion Ratio Lower Upper
97 100
99 63.5 51.7 77.5
61 43.5 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 52.024 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

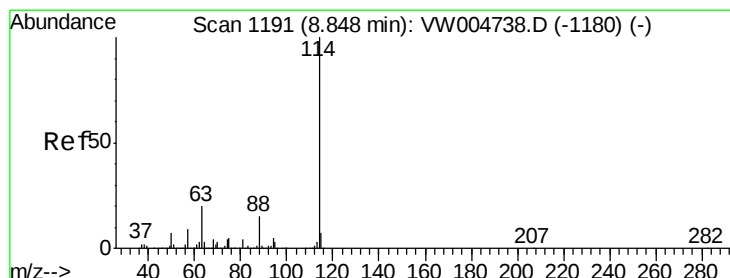
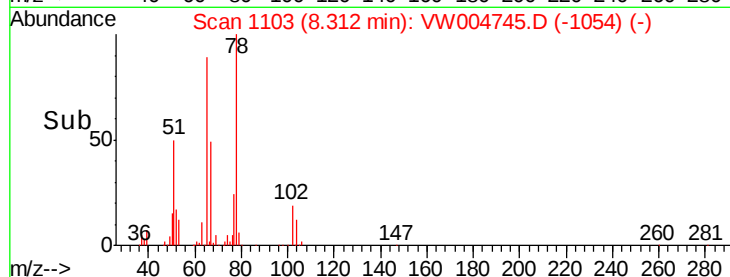
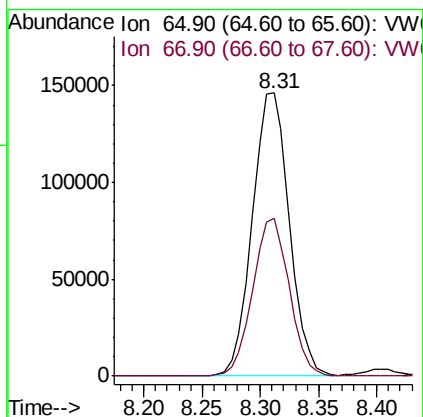
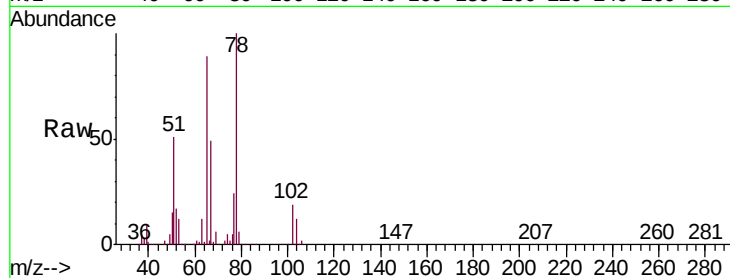
VW0819SBSD01

Tgt Ion: 65 Resp: 324410

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

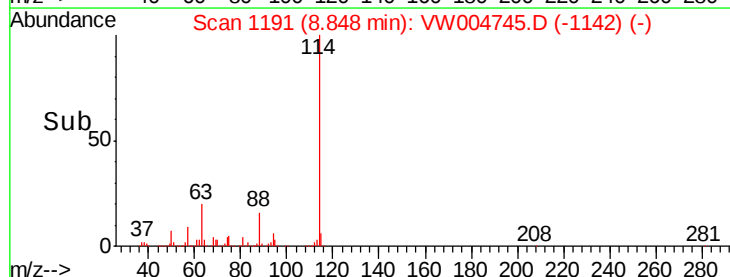
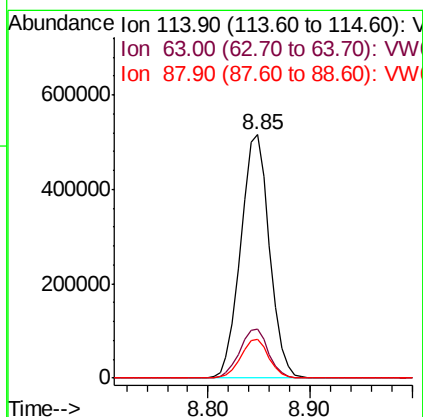
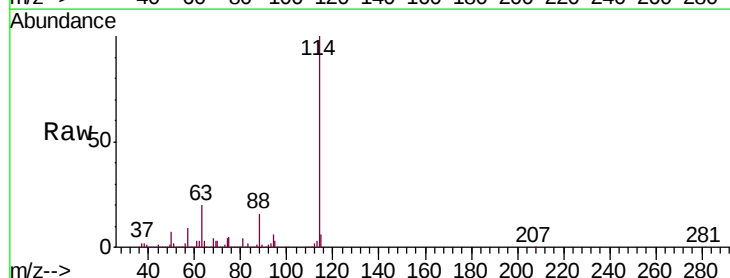
Tgt Ion: 114 Resp: 1008167

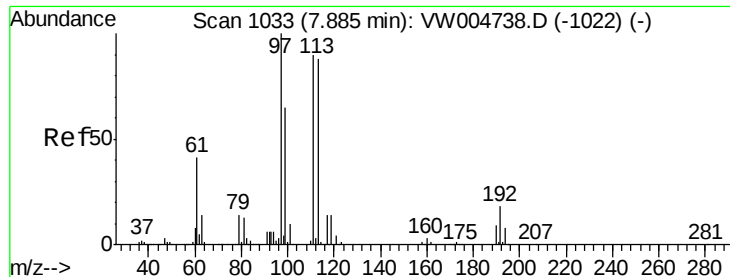
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 15.9 0.0 30.0

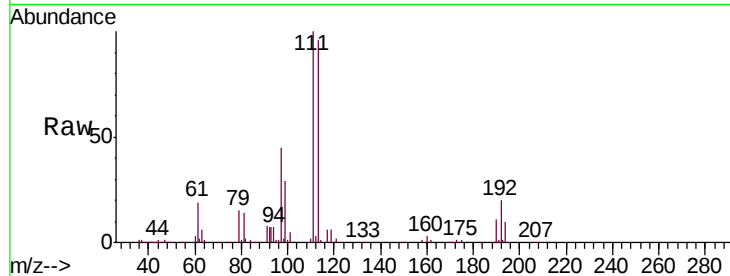




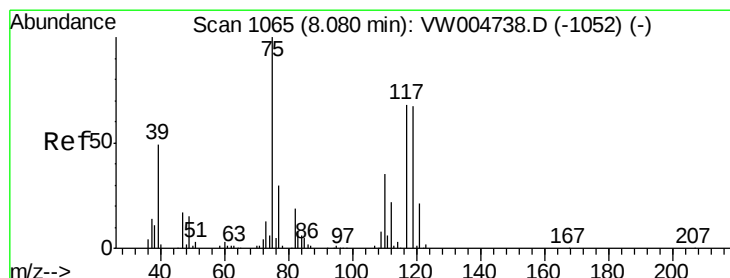
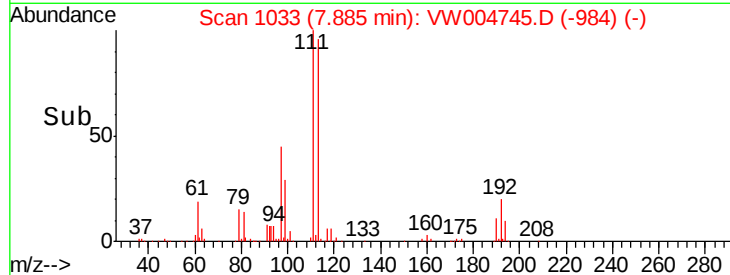
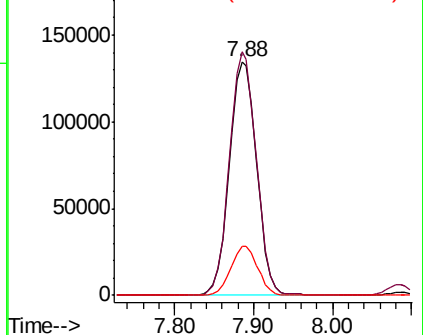
#35
 Dibromofluoromethane
 Concen: 50.232 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

Tgt Ion: 113 Resp: 323671
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 20.7 16.7 25.1

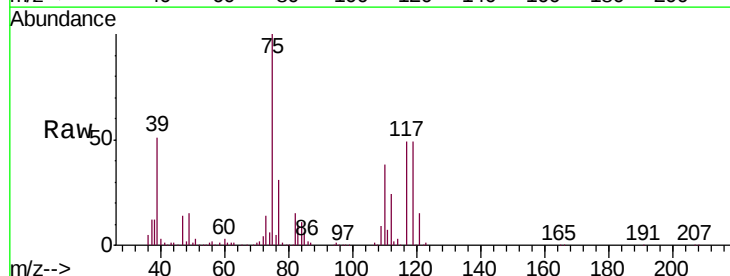


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

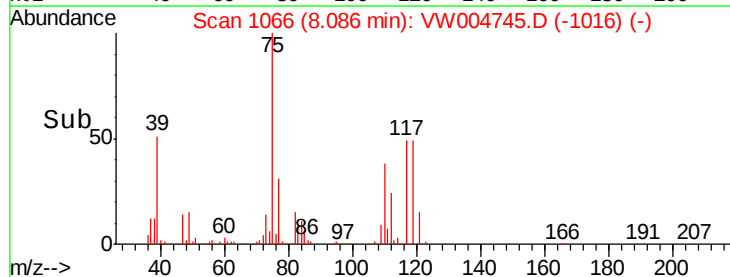
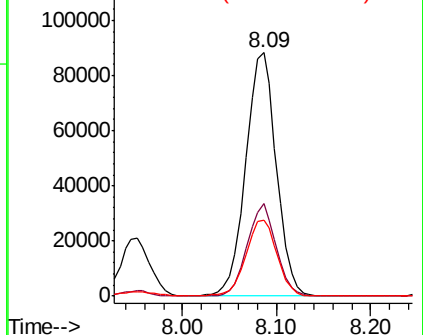


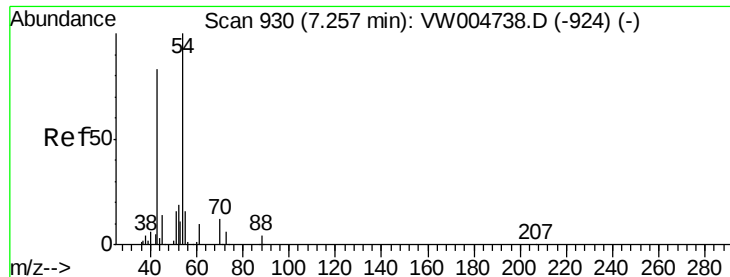
#36
 1,1-Dichloropropene
 Concen: 19.381 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion: 75 Resp: 201293
 Ion Ratio Lower Upper
 75 100
 110 35.7 17.8 53.5
 77 31.8 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 21.250 ug/l

RT: 7.26 min Scan# 930

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

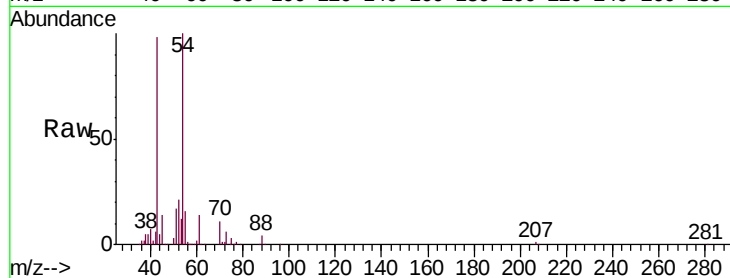
Tgt Ion: 43 Resp: 87977

Ion Ratio Lower Upper

43 100

61 14.5 11.6 17.4

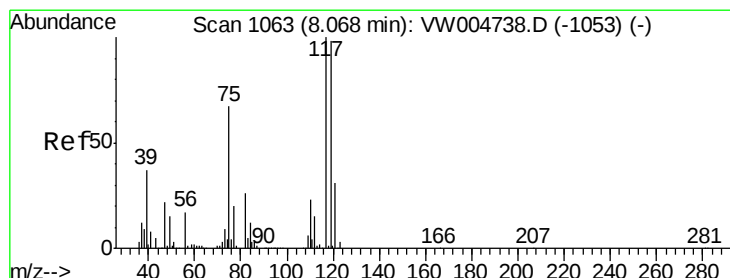
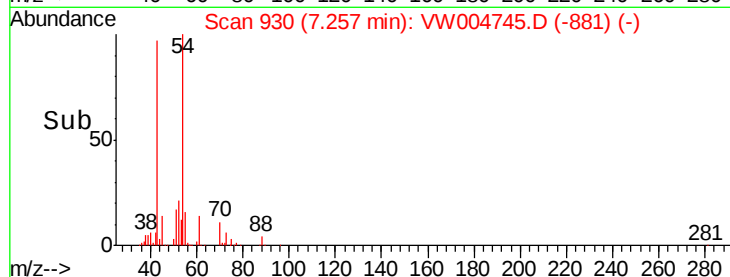
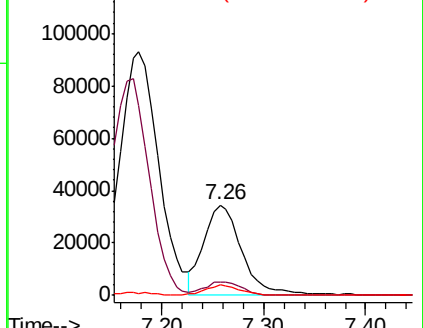
70 10.9 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 19.347 ug/l

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

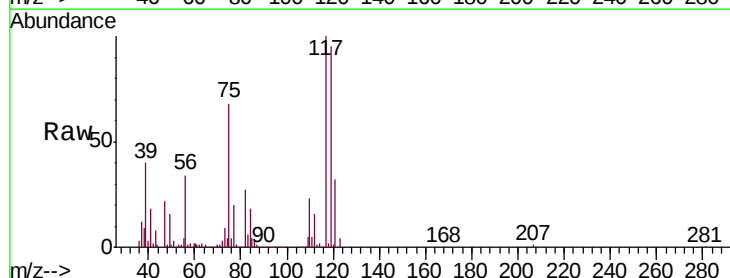
Tgt Ion: 117 Resp: 184963

Ion Ratio Lower Upper

117 100

119 94.9 78.0 117.0

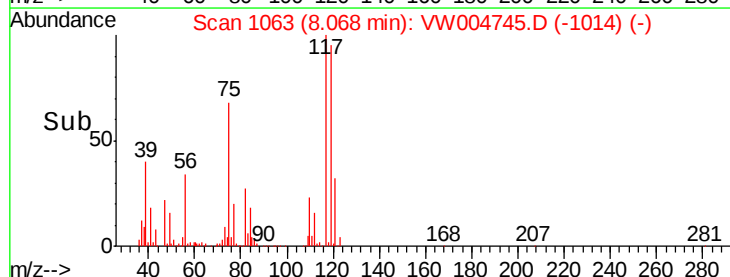
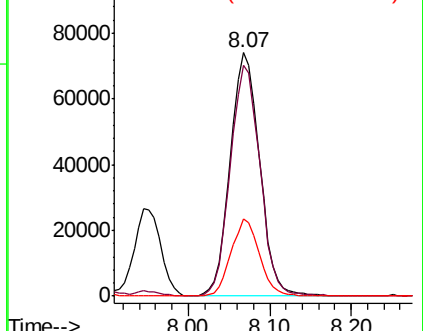
121 31.5 24.8 37.2

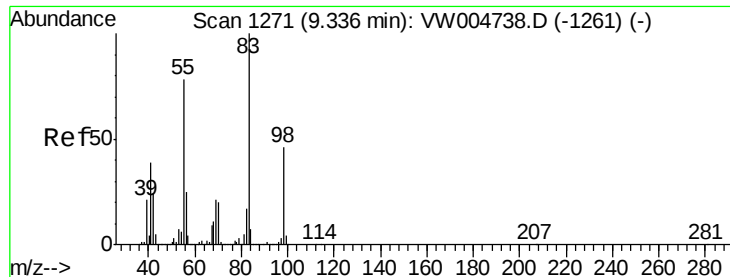


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

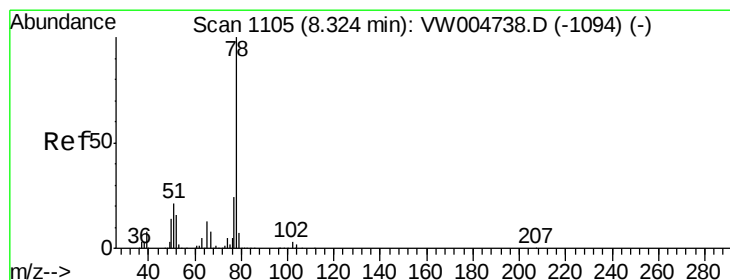
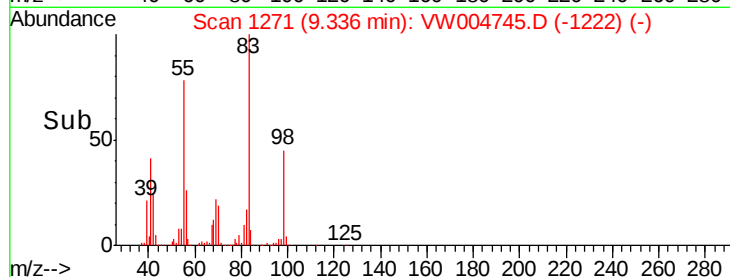
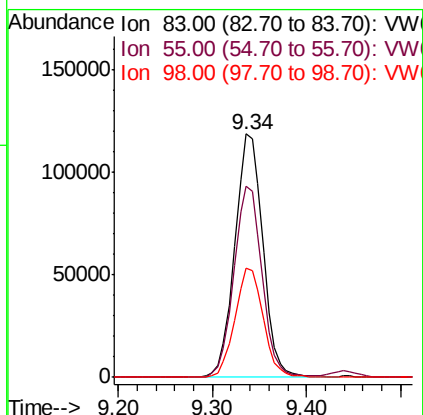
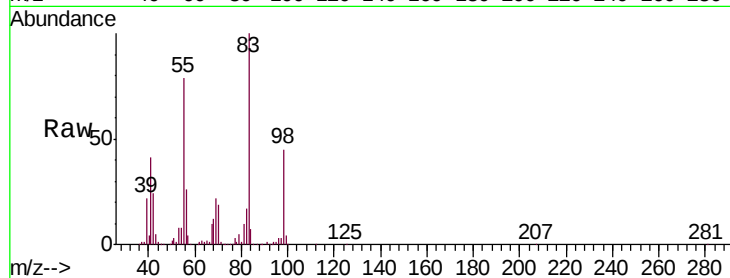




#39
Methylcyclohexane
Concen: 19.010 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

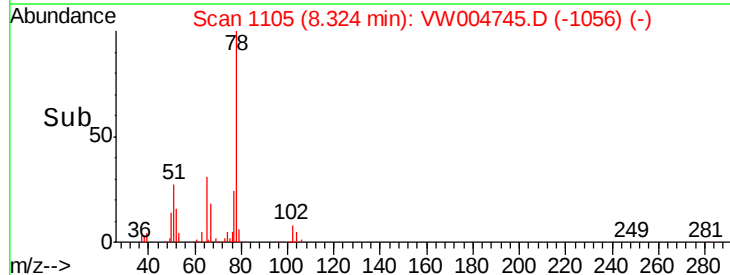
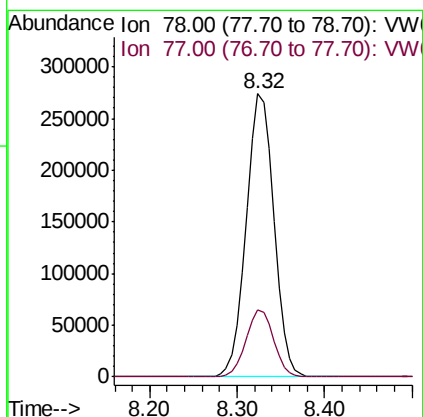
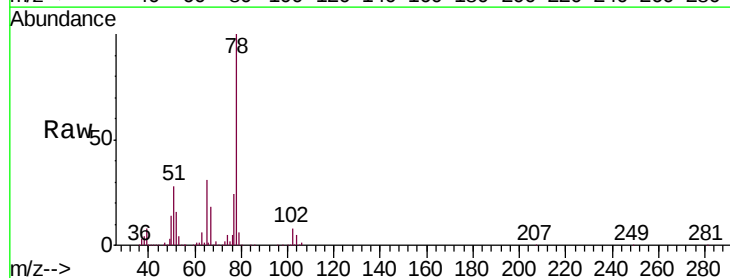
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

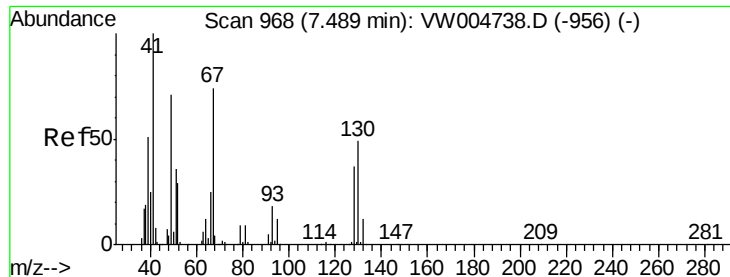
Tgt Ion: 83 Resp: 246905
Ion Ratio Lower Upper
83 100
55 78.5 62.4 93.6
98 45.1 36.5 54.7



#40
Benzene
Concen: 19.984 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 78 Resp: 603171
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6





#41

Methacrylonitrile

Concen: 21.715 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

Tgt Ion: 41 Resp: 51021

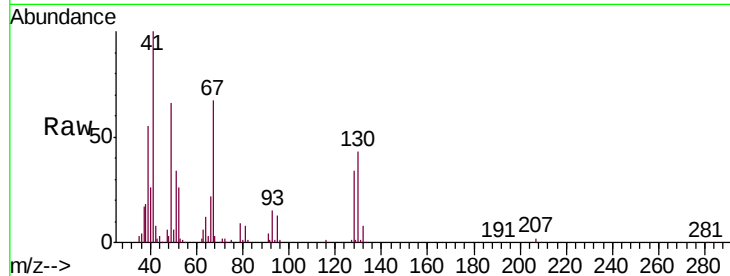
Ion Ratio Lower Upper

41 100

39 51.8 41.0 61.4

67 73.5 59.5 89.3

52 28.3 23.6 35.4

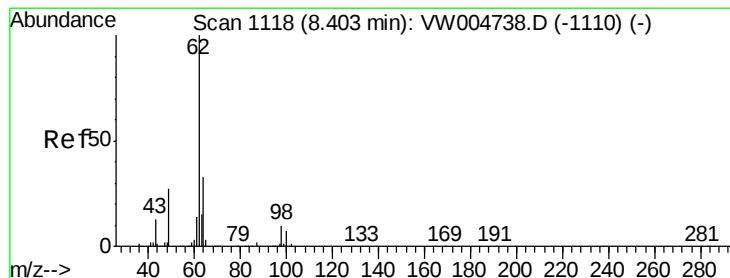
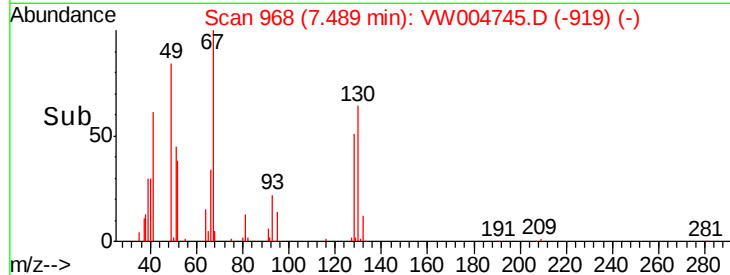
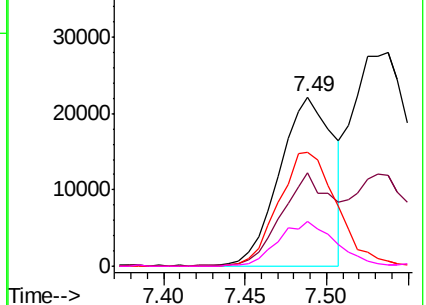


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.575 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004745.D

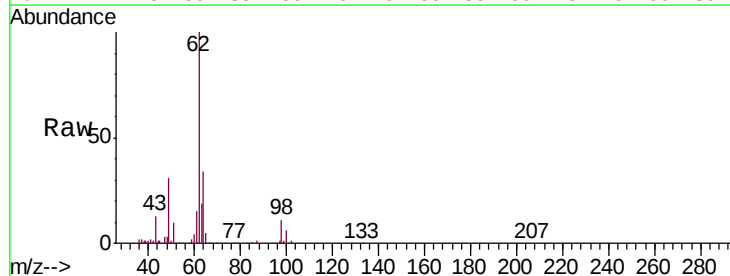
Acq: 17 Aug 2018 21:04

Tgt Ion: 62 Resp: 159252

Ion Ratio Lower Upper

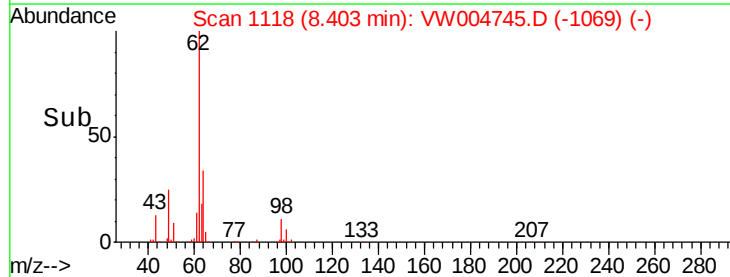
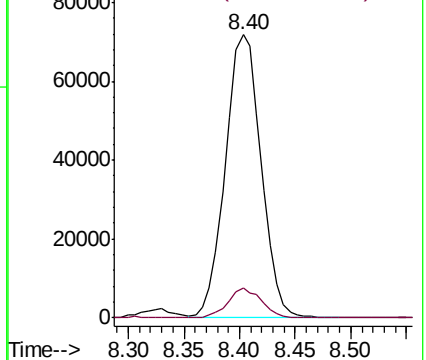
62 100

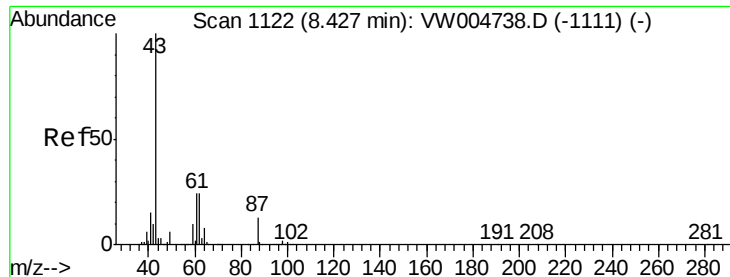
98 10.0 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.321 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

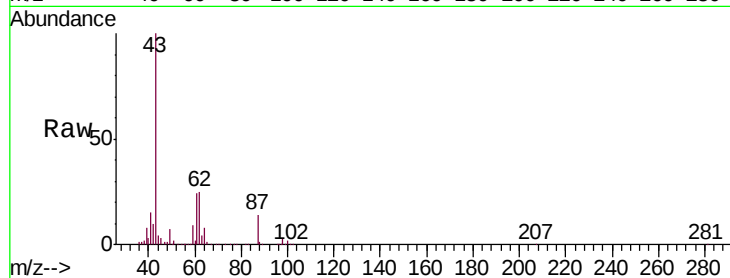
Tgt Ion: 43 Resp: 151121

Ion Ratio Lower Upper

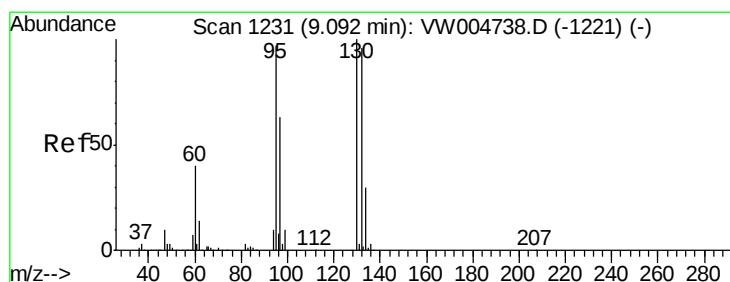
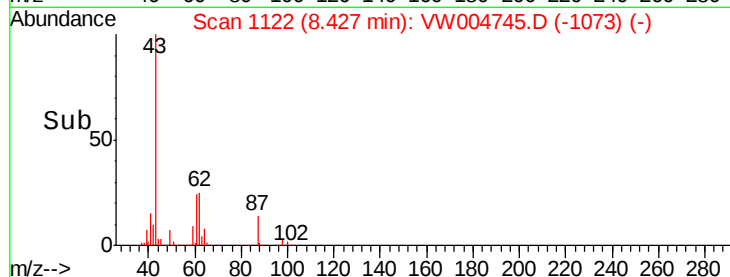
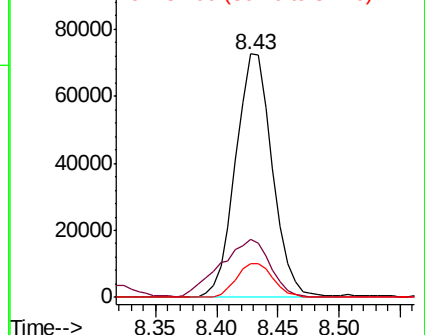
43 100

61 32.2 26.2 39.4

87 14.1 10.9 16.3



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



#44

Trichloroethene

Concen: 19.790 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004745.D

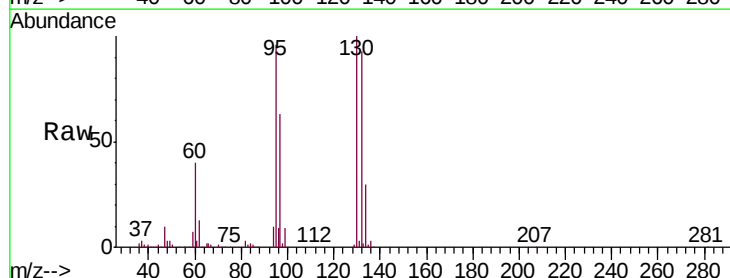
Acq: 17 Aug 2018 21:04

Tgt Ion: 130 Resp: 151626

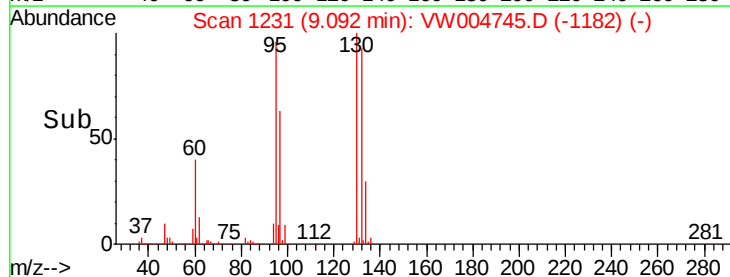
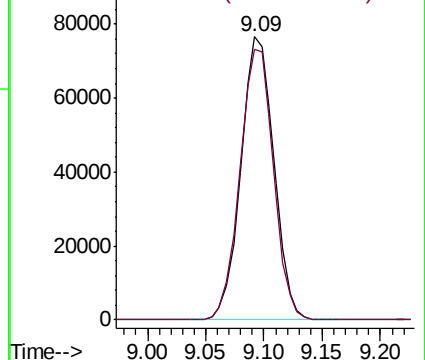
Ion Ratio Lower Upper

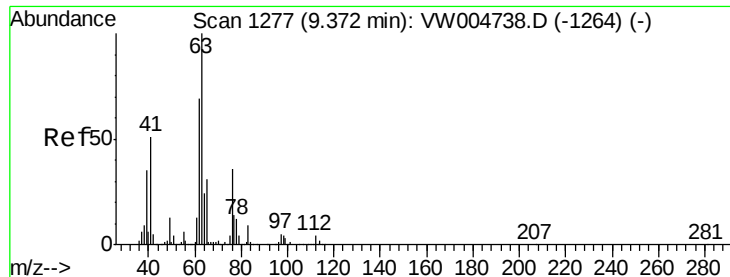
130 100

95 95.6 0.0 194.4



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

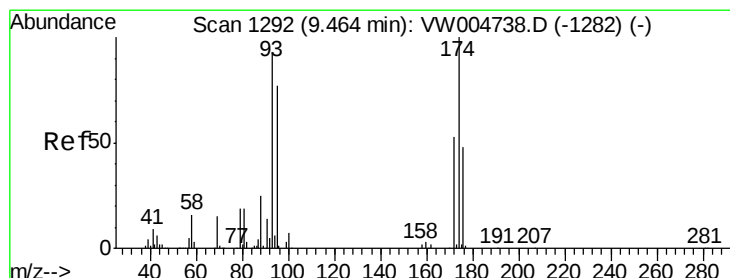
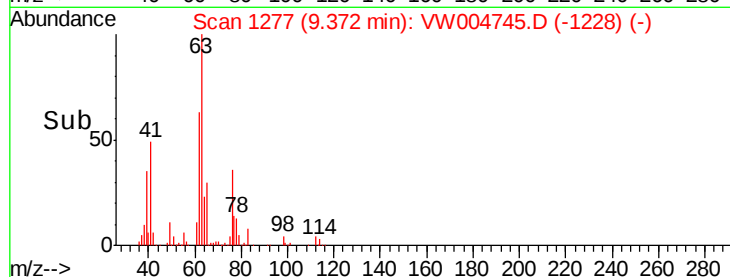
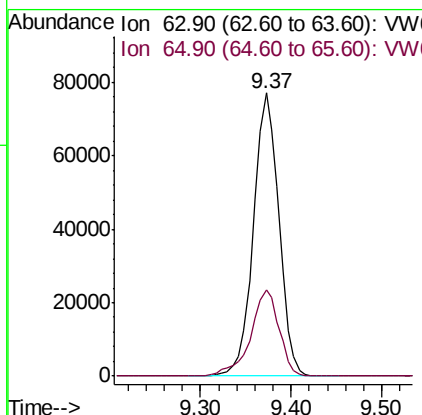
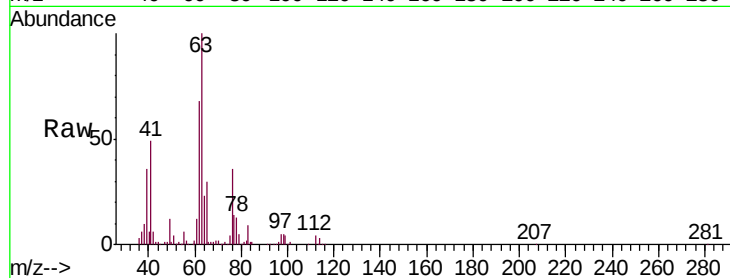




#45
 1,2-Dichloropropane
 Concen: 20.296 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

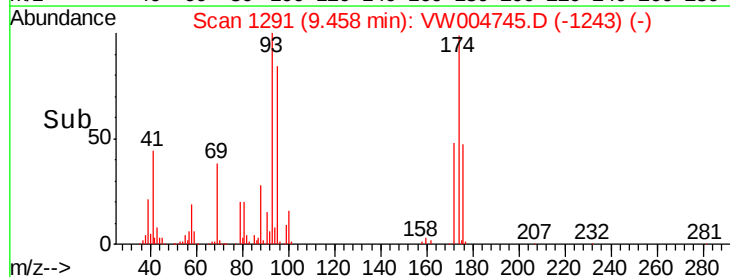
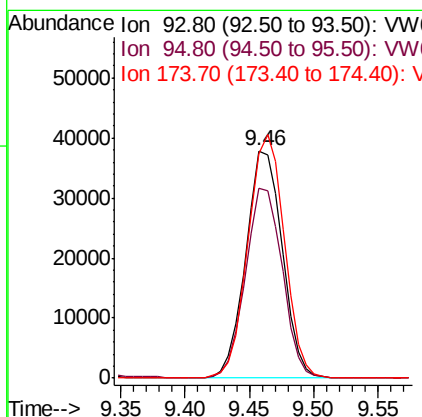
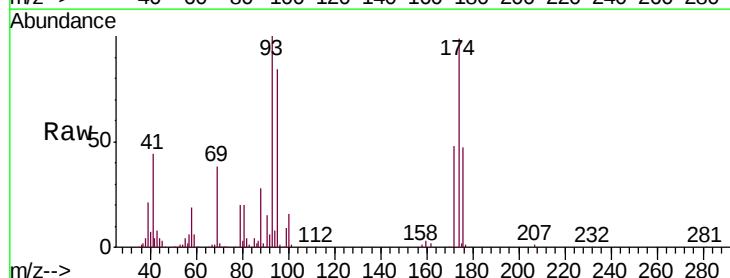
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

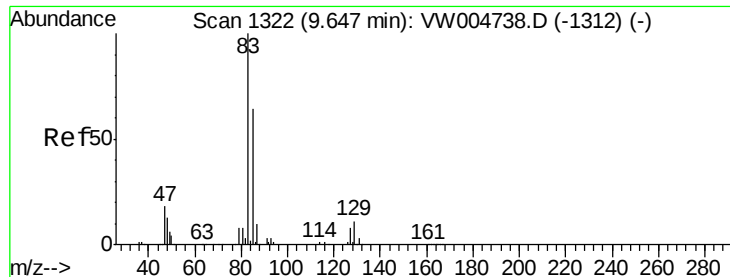
Tgt Ion: 63 Resp: 149844
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0



#46
 Dibromomethane
 Concen: 20.339 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion: 93 Resp: 74393
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 99.8
 174 106.5 85.3 127.9





#47

Bromodichloromethane

Concen: 19.924 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

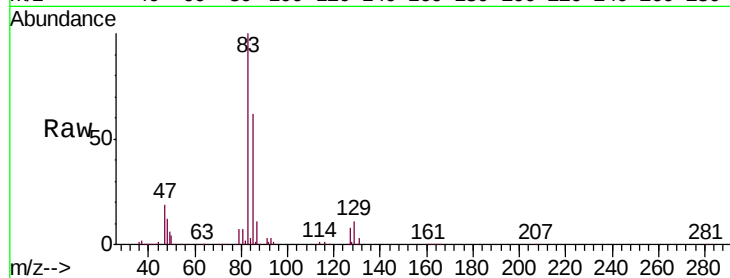
Tgt Ion: 83 Resp: 174044

Ion Ratio Lower Upper

83 100

85 62.0 51.2 76.8

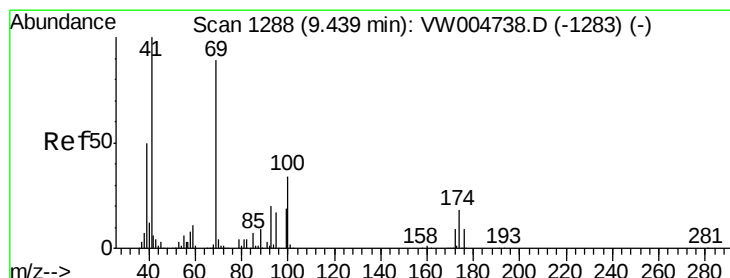
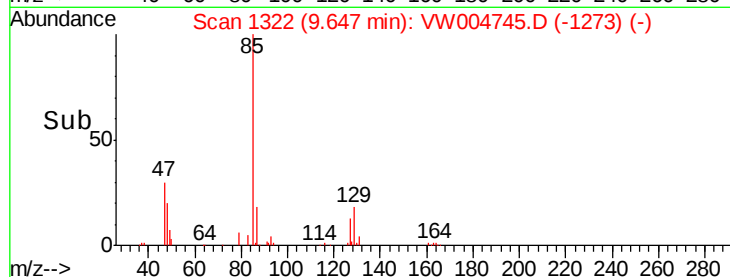
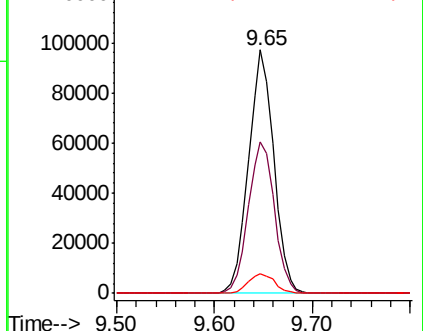
127 8.3 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.844 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

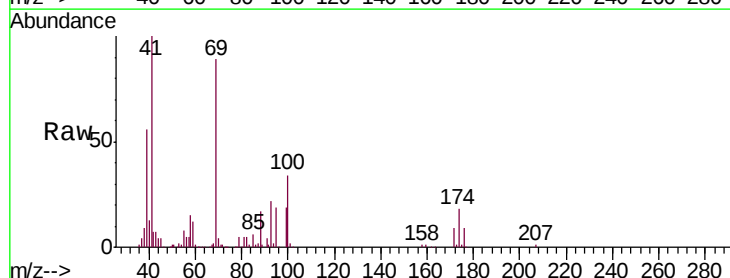
Tgt Ion: 41 Resp: 72734

Ion Ratio Lower Upper

41 100

69 93.5 75.2 112.8

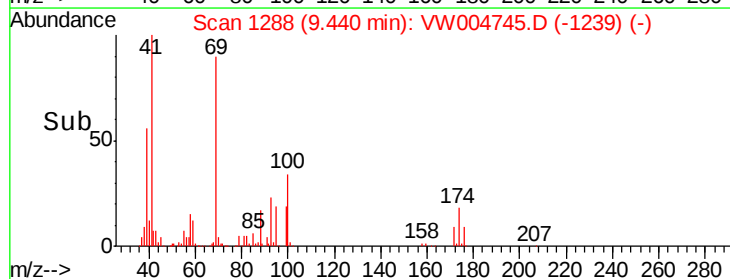
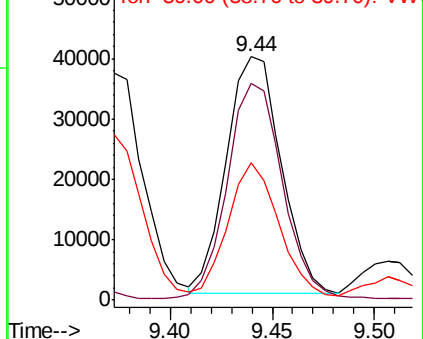
39 52.2 39.8 59.6

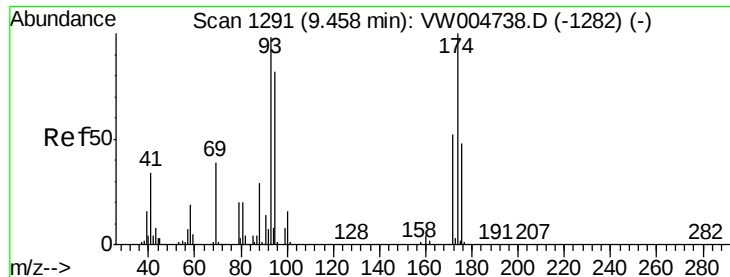


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

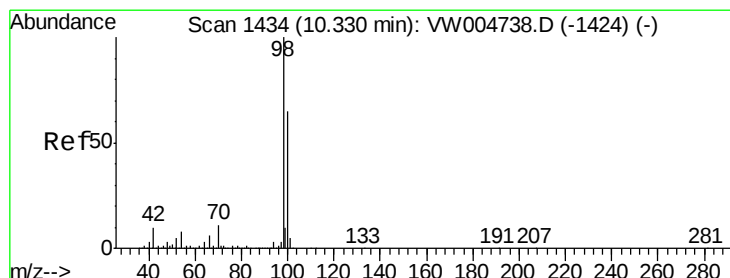
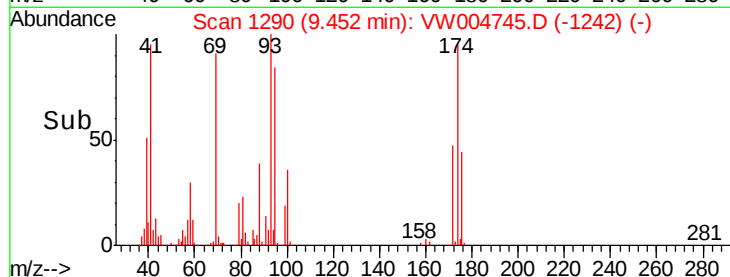
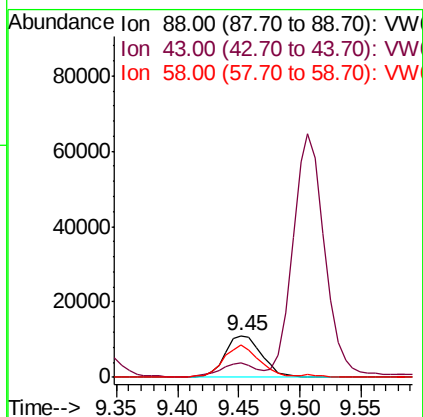
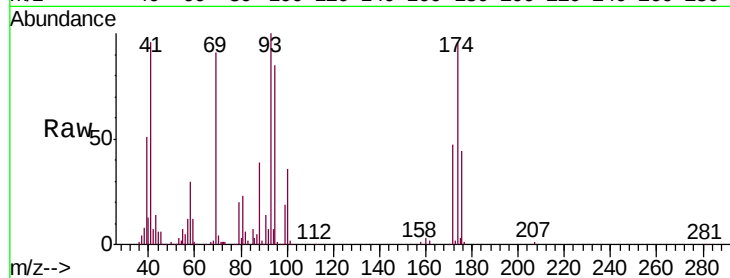




#49
 1,4-Dioxane
 Concen: 438.296 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

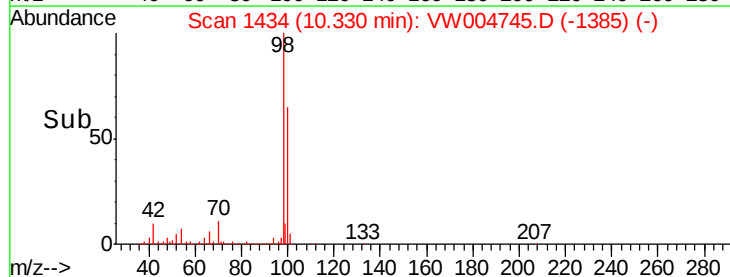
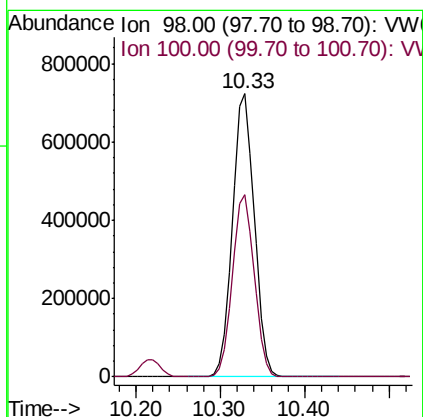
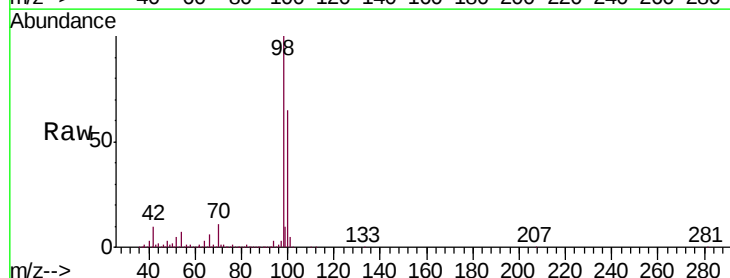
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

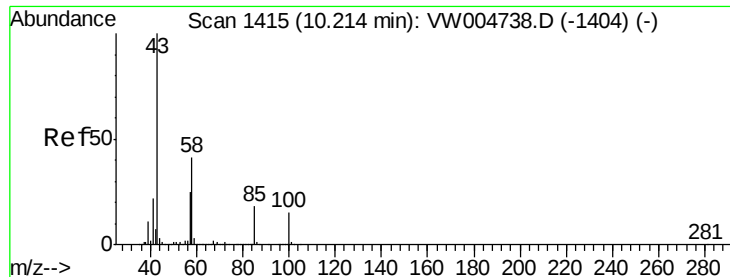
Tgt Ion: 88 Resp: 23422
 Ion Ratio Lower Upper
 88 100
 43 31.7 22.9 34.3
 58 75.2 60.0 90.0



#50
 Toluene-d8
 Concen: 50.318 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion: 98 Resp: 1265643
 Ion Ratio Lower Upper
 98 100
 100 64.5 51.8 77.8

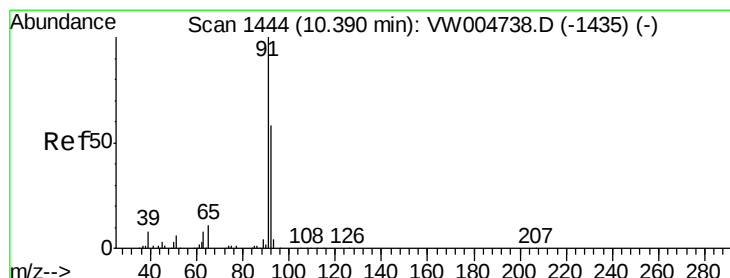
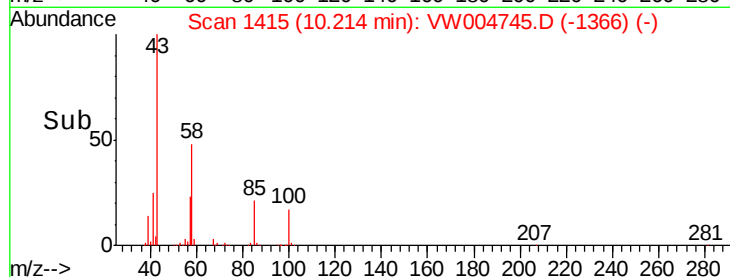
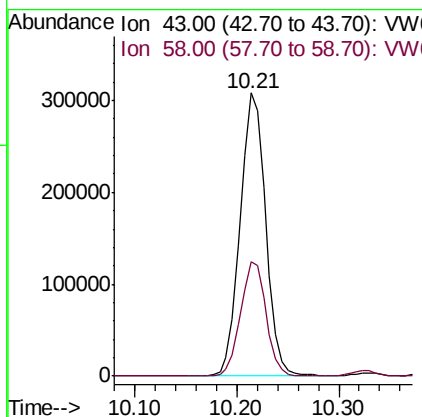
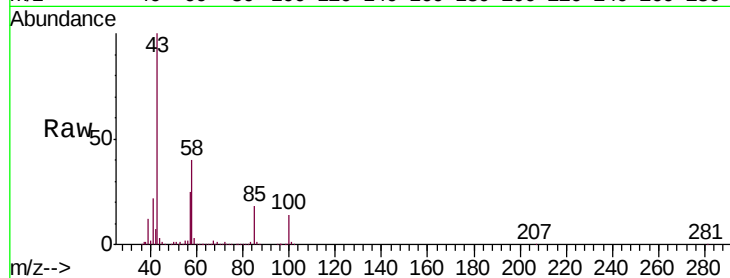




#51
 4-Methyl-2-Pentanone
 Concen: 106.112 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

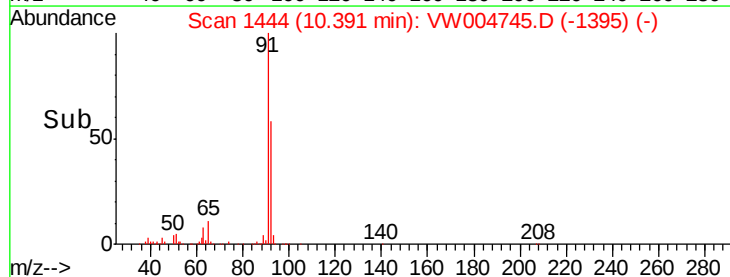
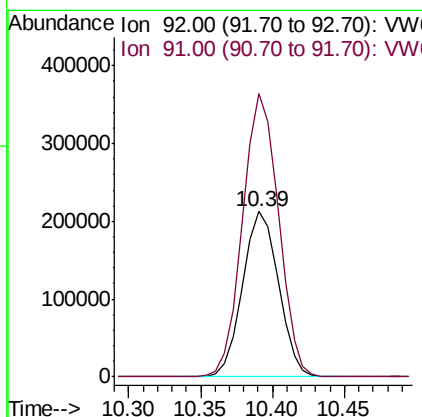
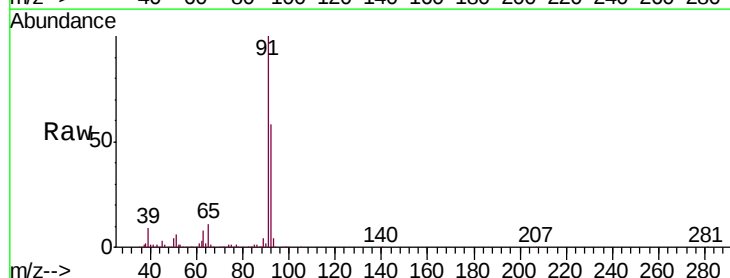
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

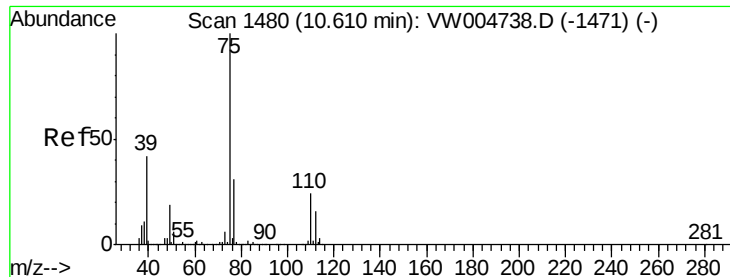
Tgt Ion: 43 Resp: 533319
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.7 49.1



#52
 Toluene
 Concen: 20.309 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion: 92 Resp: 367645
 Ion Ratio Lower Upper
 92 100
 91 171.5 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 19.535 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

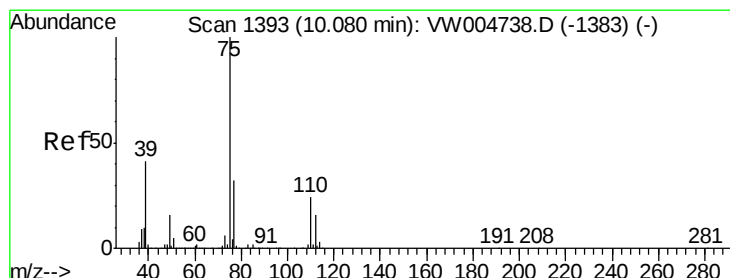
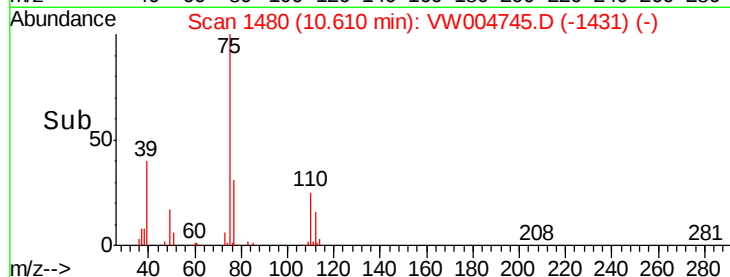
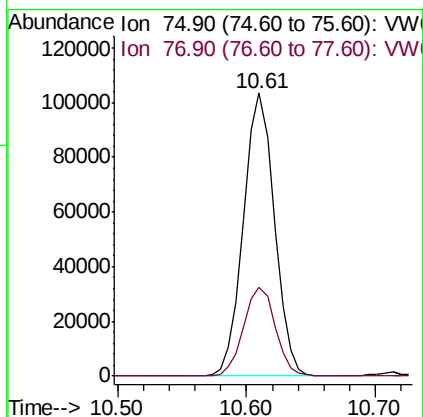
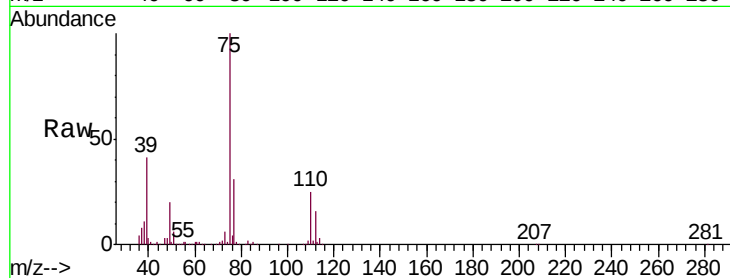
VW0819SBS01

Tgt Ion: 75 Resp: 171932

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 19.962 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

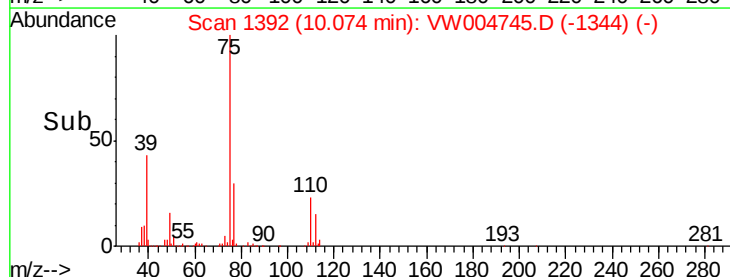
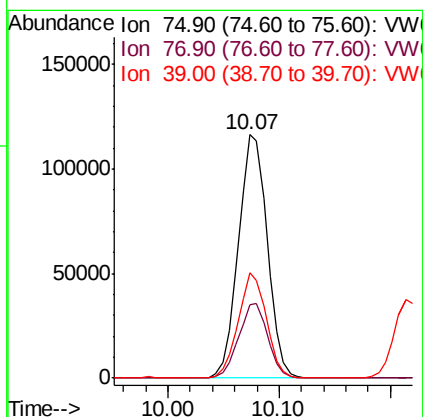
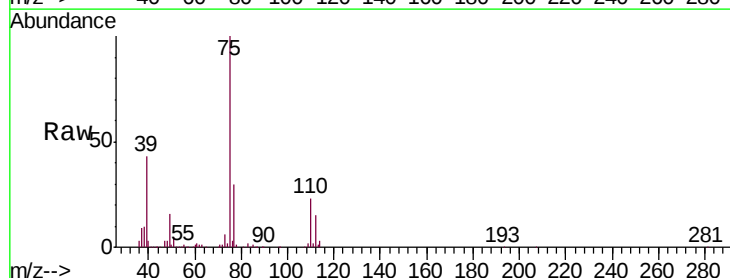
Tgt Ion: 75 Resp: 209448

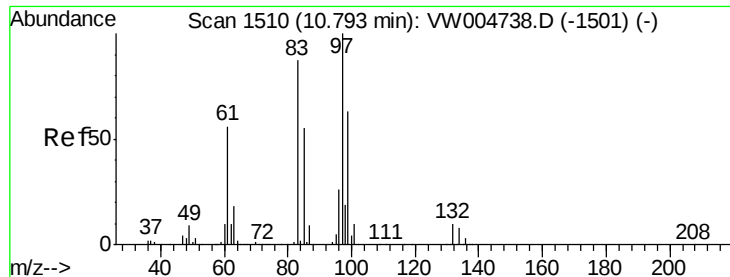
Ion Ratio Lower Upper

75 100

77 30.3 25.6 38.4

39 43.1 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.251 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

Tgt Ion: 97 Resp: 105292

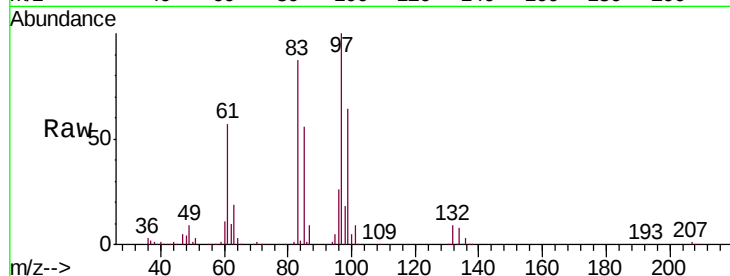
Ion Ratio Lower Upper

97 100

83 87.6 69.4 104.2

85 56.3 44.3 66.5

99 64.0 50.2 75.2

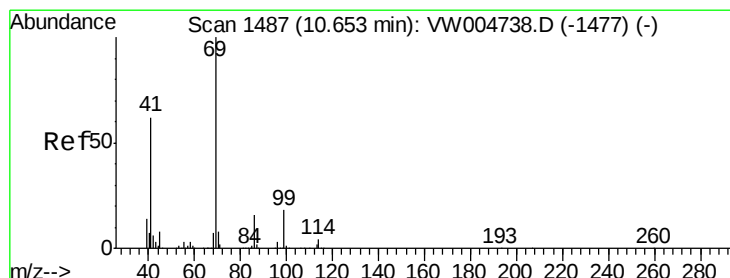
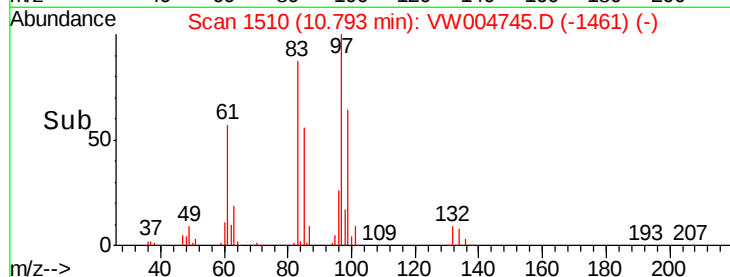
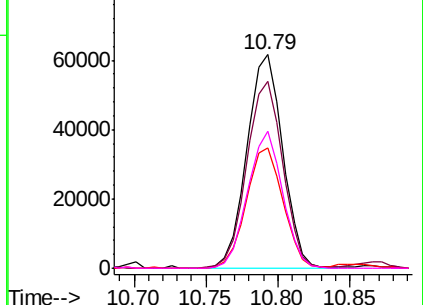


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.256 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

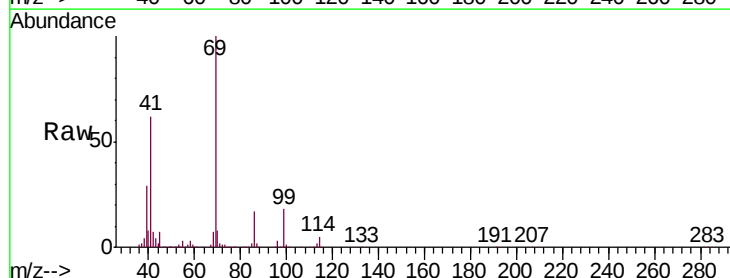
Tgt Ion: 69 Resp: 124783

Ion Ratio Lower Upper

69 100

41 63.0 50.7 76.1

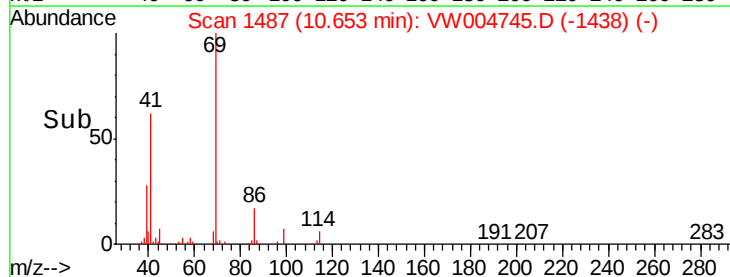
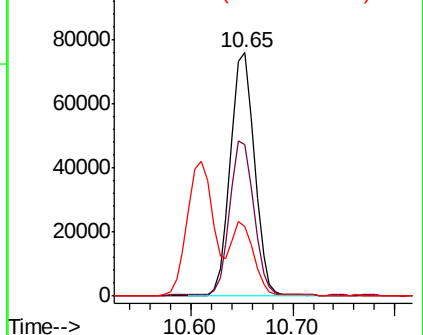
39 26.5 21.4 32.2

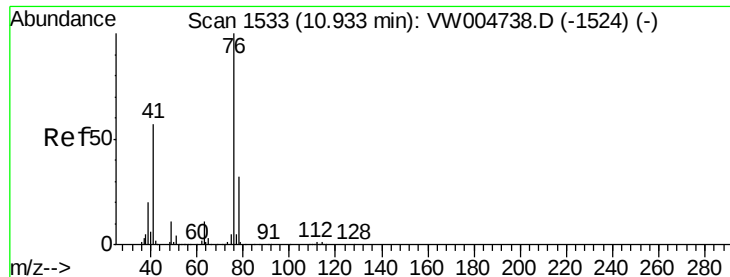


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.440 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

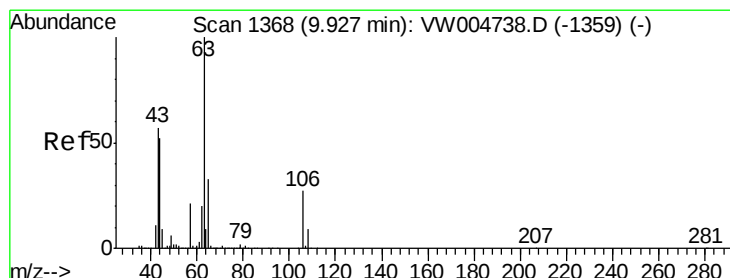
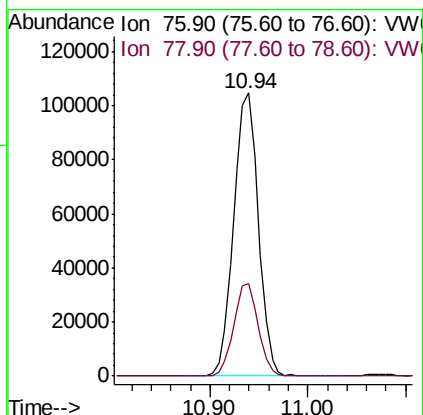
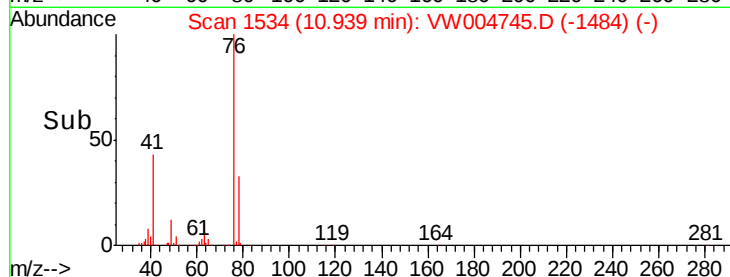
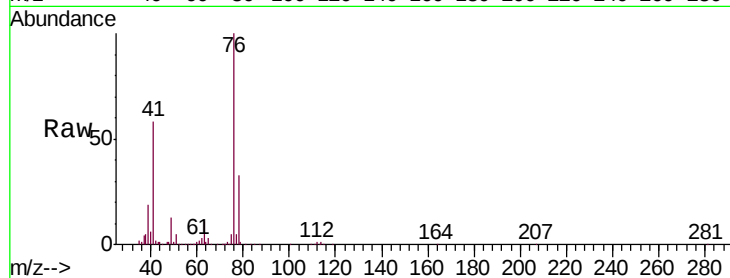
VW0819SBSD01

Tgt Ion: 76 Resp: 183446

Ion Ratio Lower Upper

76 100

78 32.5 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 112.919 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004745.D

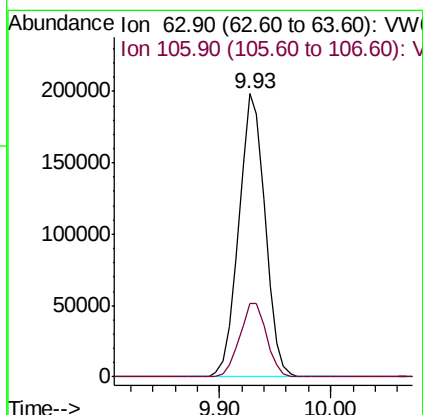
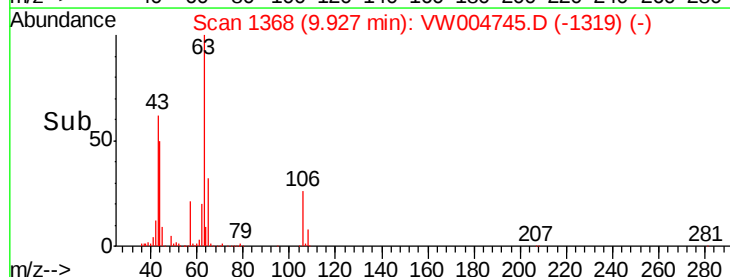
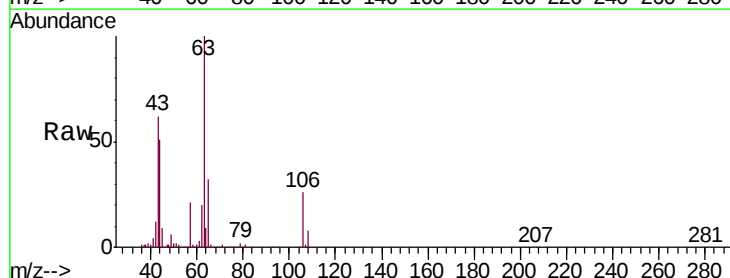
Acq: 17 Aug 2018 21:04

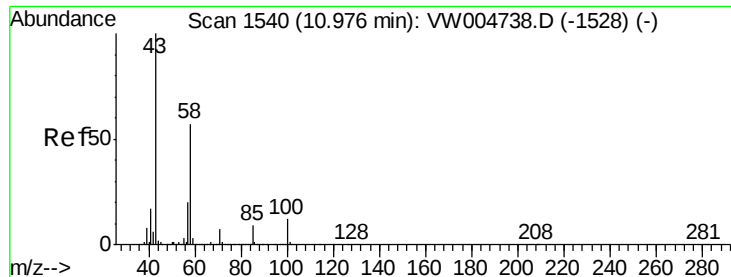
Tgt Ion: 63 Resp: 324234

Ion Ratio Lower Upper

63 100

106 26.7 22.1 33.1

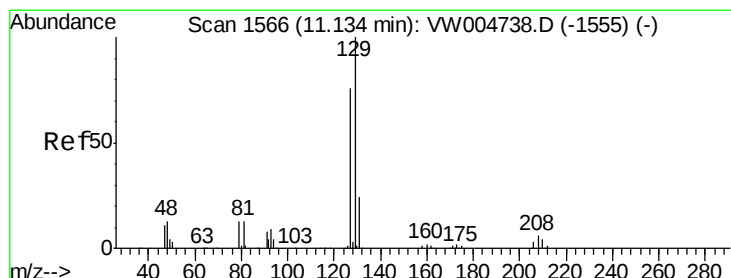
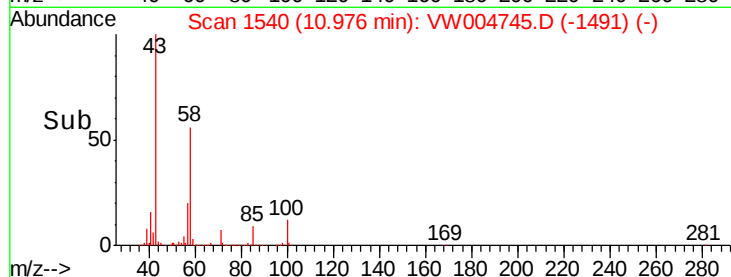
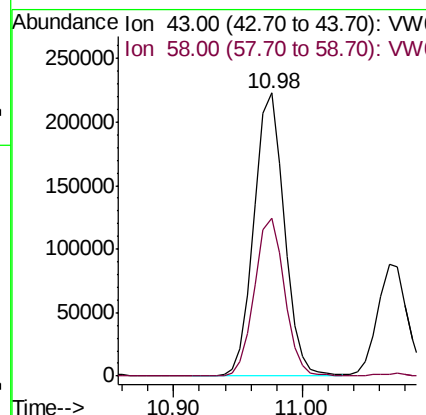
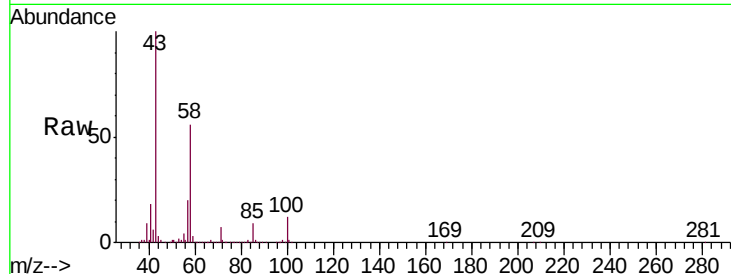




#59
2-Hexanone
Concen: 105.874 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

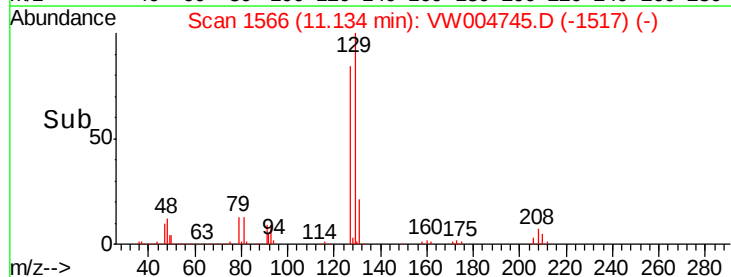
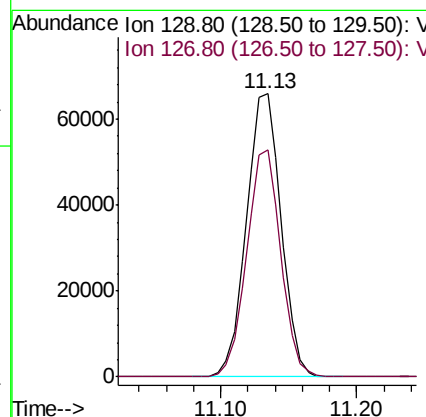
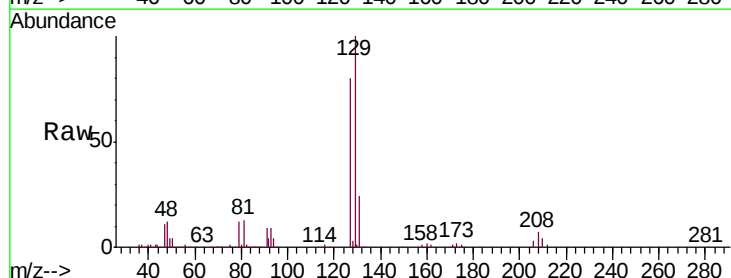
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

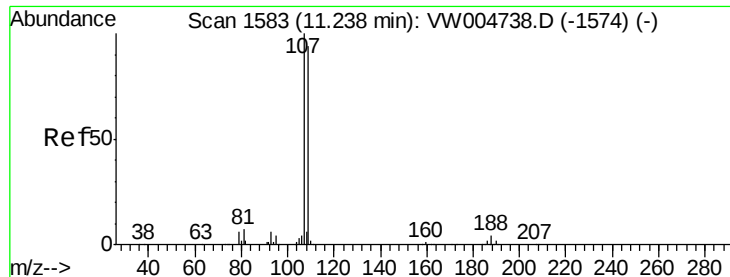
Tgt Ion: 43 Resp: 360547
Ion Ratio Lower Upper
43 100
58 55.6 28.1 84.4



#60
Dibromochloromethane
Concen: 20.180 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 129 Resp: 117715
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.355 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

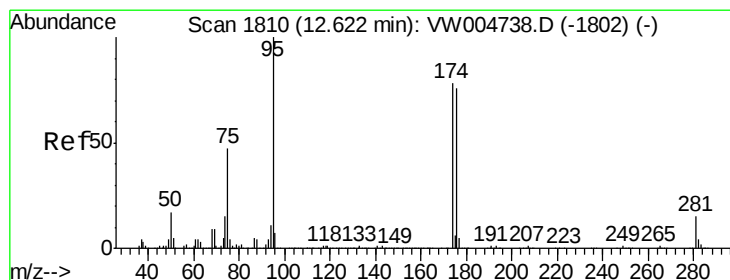
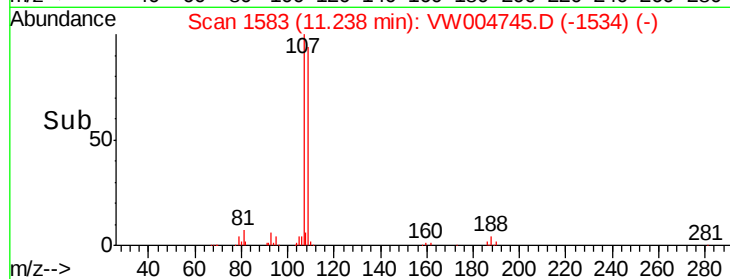
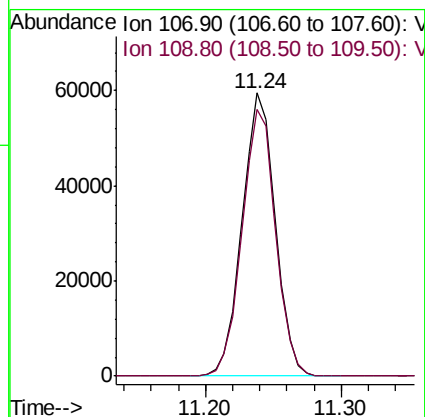
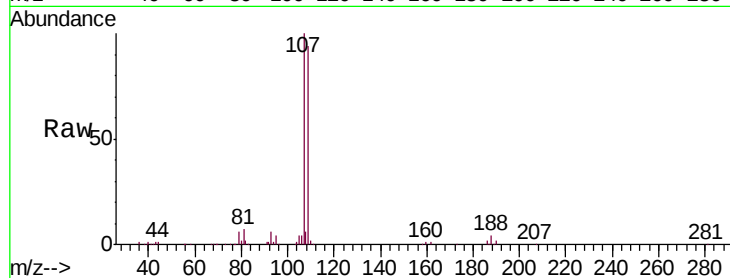
VW0819SBSD01

Tgt Ion: 107 Resp: 101163

Ion Ratio Lower Upper

107 100

109 95.2 75.5 113.3



#62

4-Bromofluorobenzene

Concen: 50.851 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

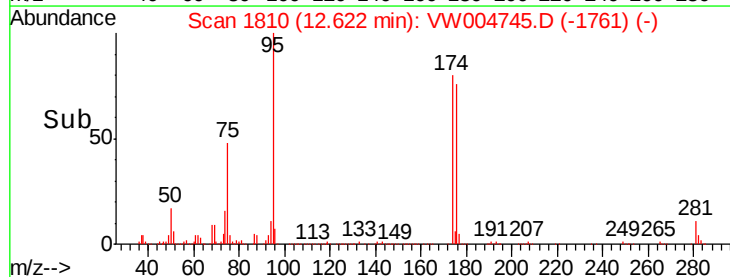
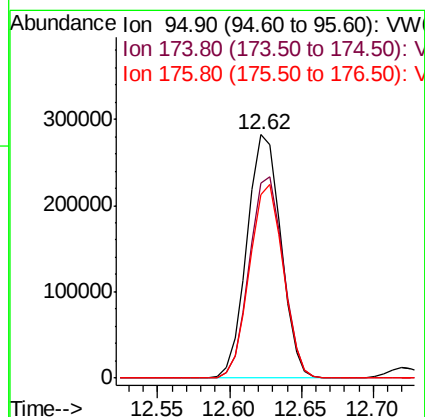
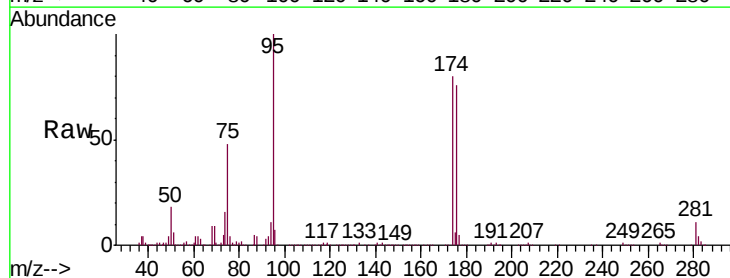
Tgt Ion: 95 Resp: 460157

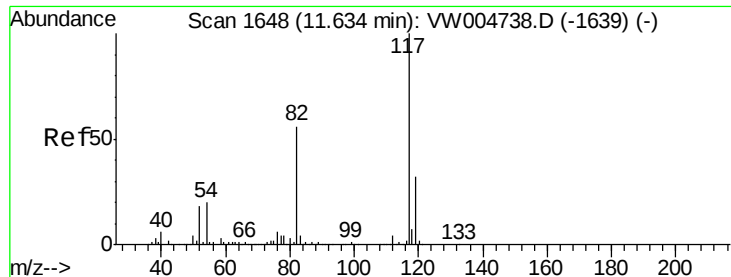
Ion Ratio Lower Upper

95 100

174 82.6 0.0 165.8

176 79.2 0.0 159.8

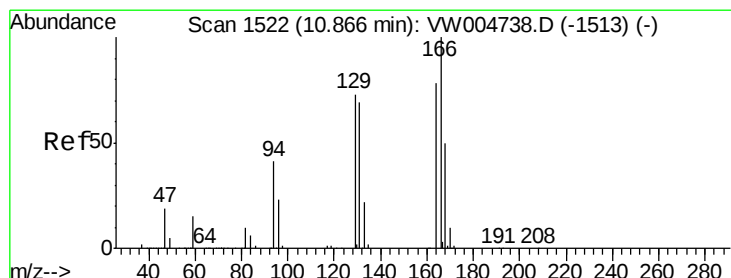
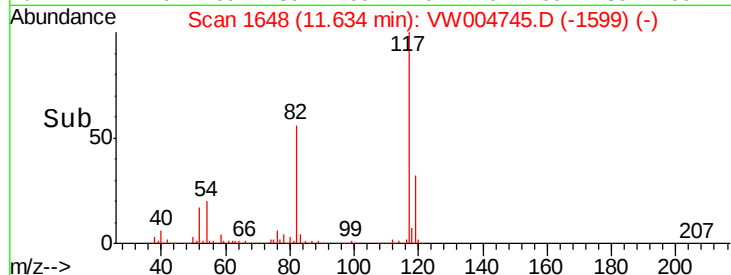
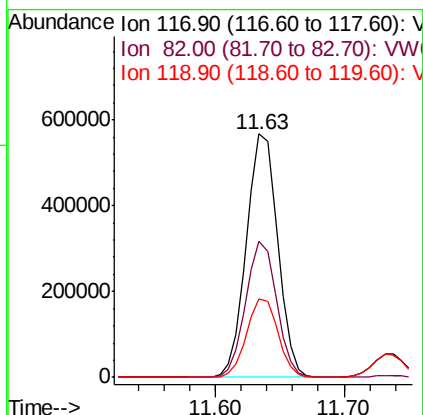
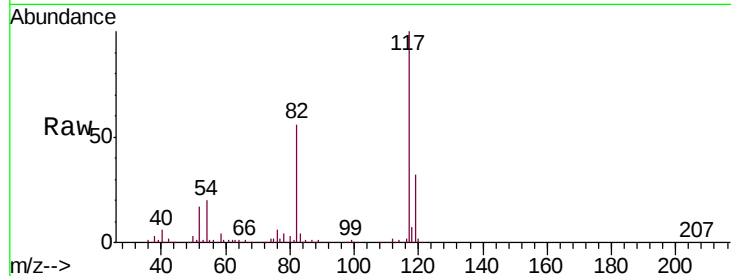




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

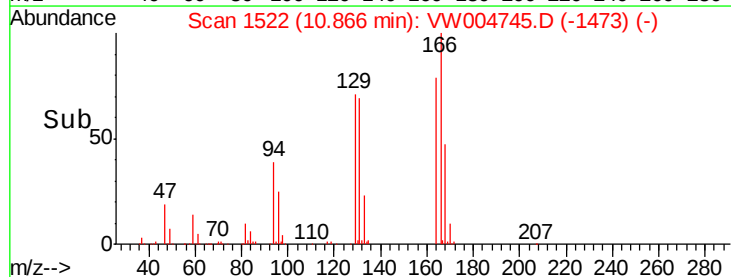
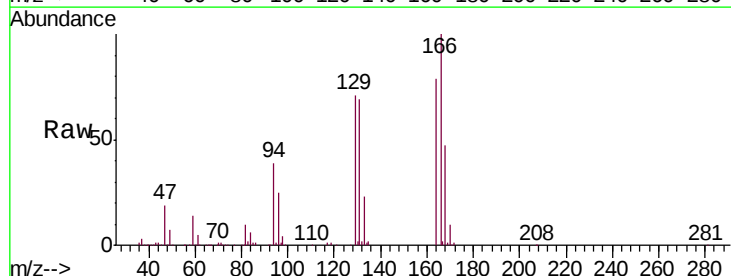
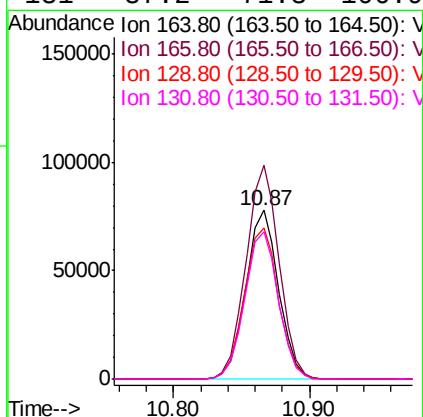
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

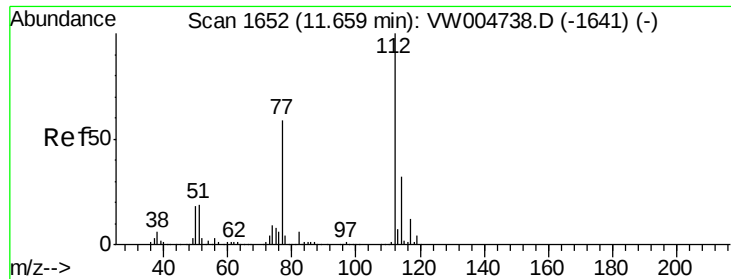
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.6	67.0
119	32.3	25.6	38.4



#64
Tetrachloroethene
Concen: 20.202 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.5	153.7
129	89.7	75.1	112.7
131	87.2	71.3	106.9

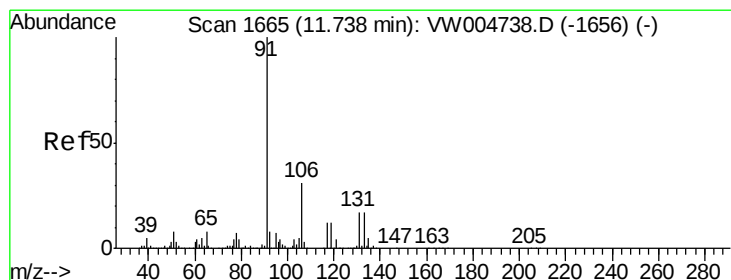
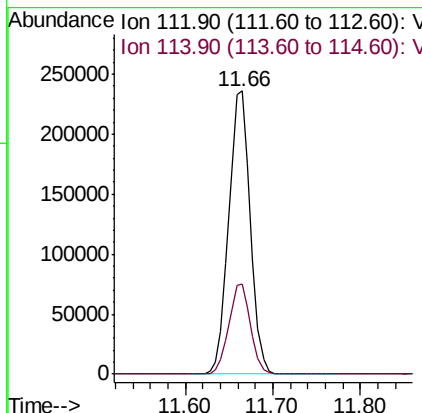
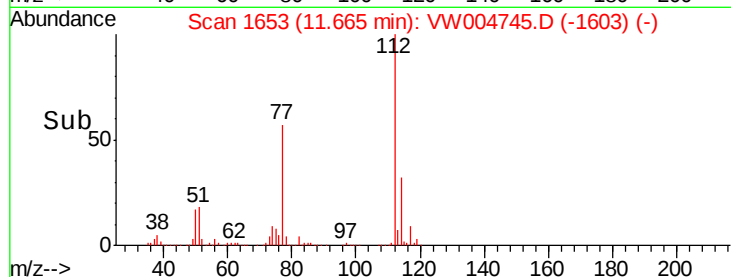
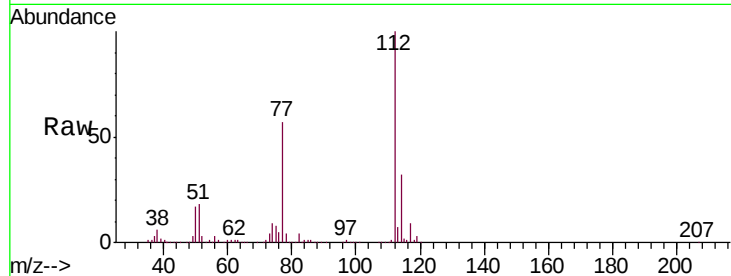




#65
Chlorobenzene
Concen: 19.731 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

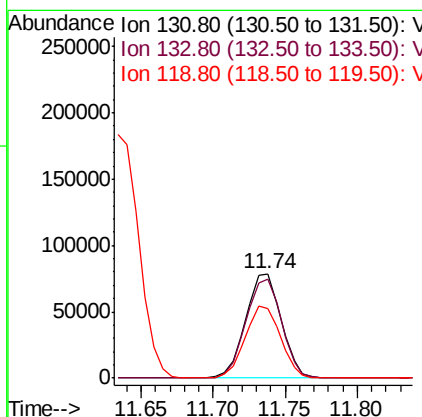
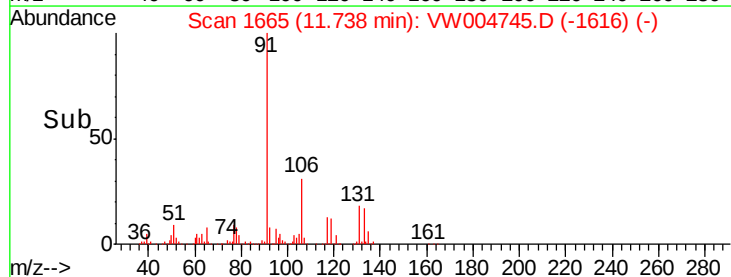
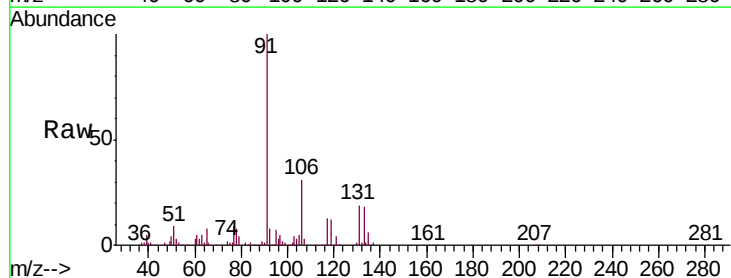
Instrument :
MSVOA_W
ClientSampled :
VW0819SBS01

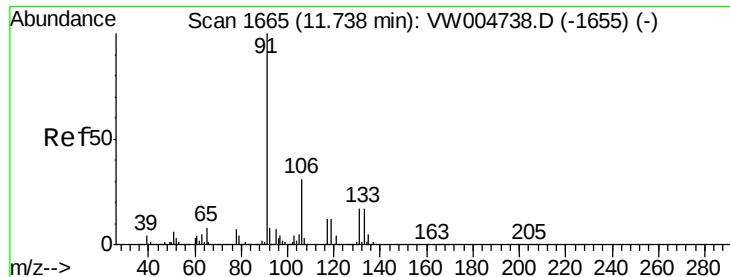
Tgt Ion:112 Resp: 404183
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.428 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion:131 Resp: 134374
Ion Ratio Lower Upper
131 100
133 95.3 48.2 144.6
119 68.6 34.0 102.0

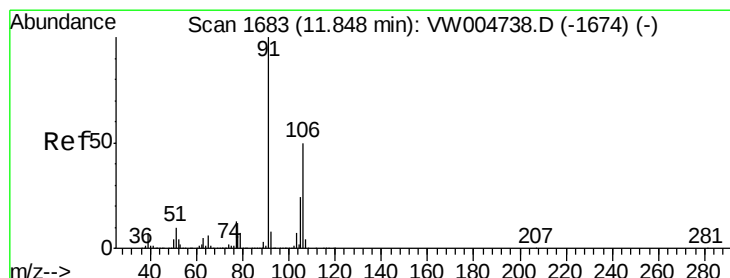
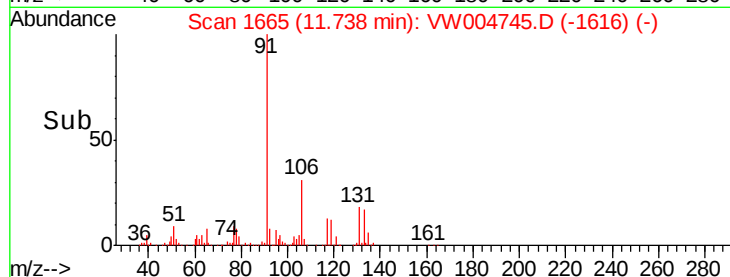
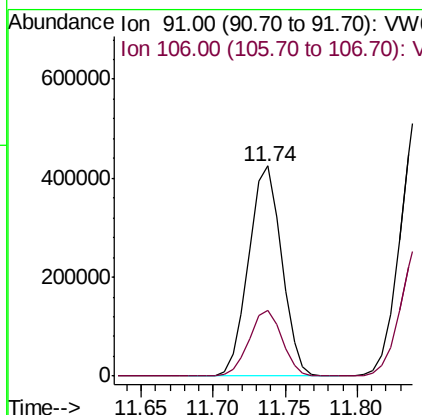
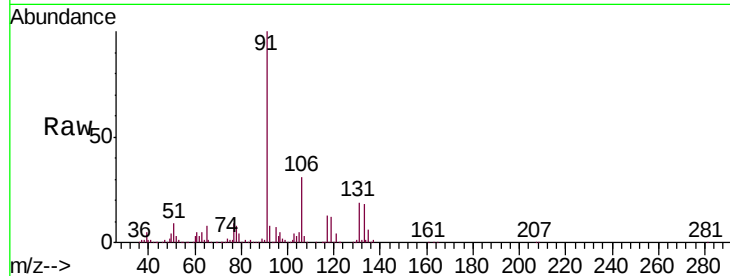




#67
Ethyl Benzene
Concen: 19.434 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

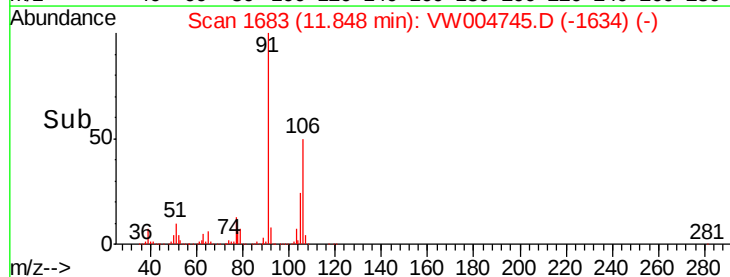
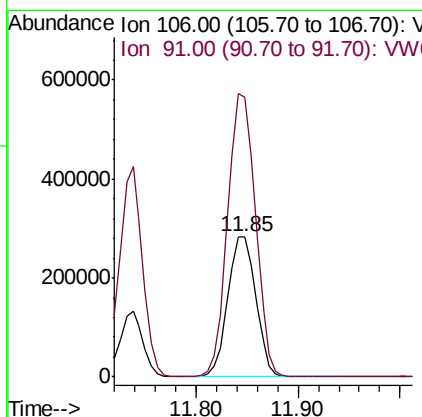
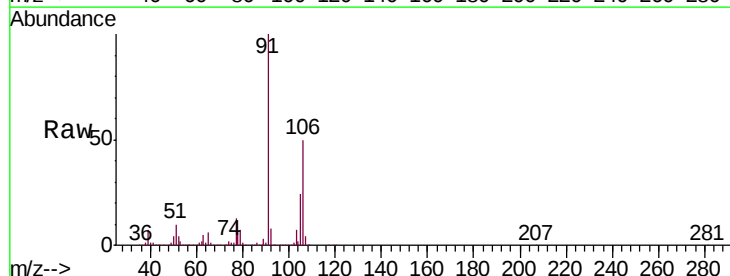
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

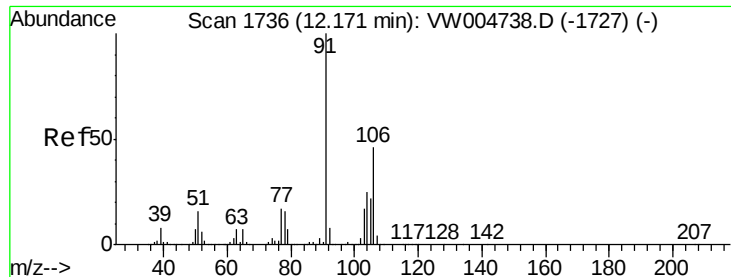
Tgt Ion: 91 Resp: 674872
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3



#68
m/p-Xylenes
Concen: 39.806 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion: 106 Resp: 537814
Ion Ratio Lower Upper
106 100
91 201.0 159.9 239.9

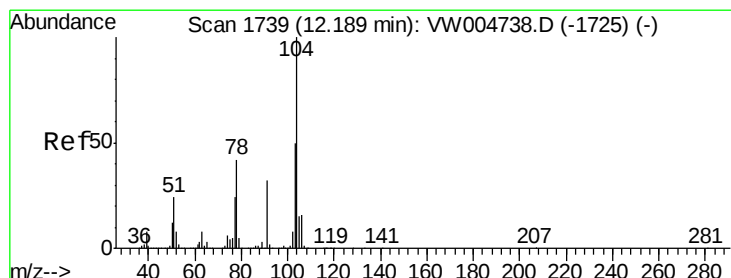
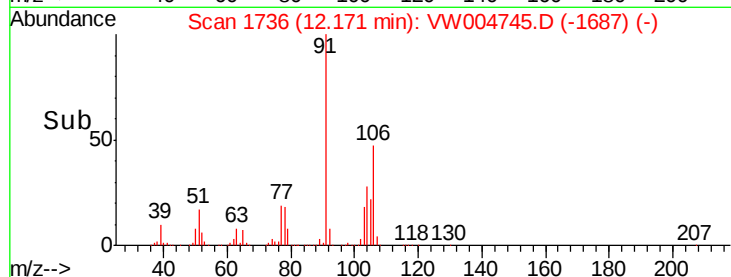
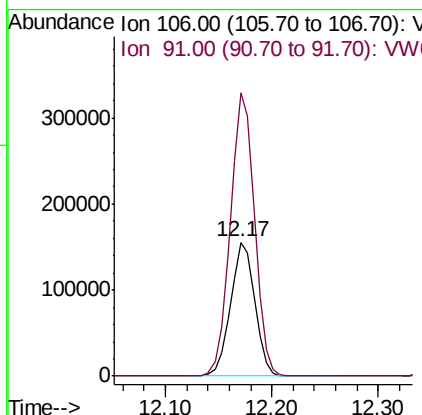
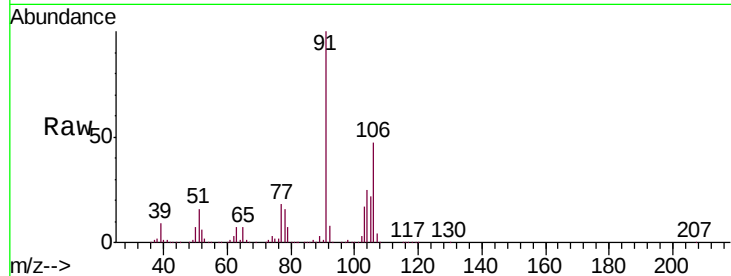




#69
o-Xylene
Concen: 19.888 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

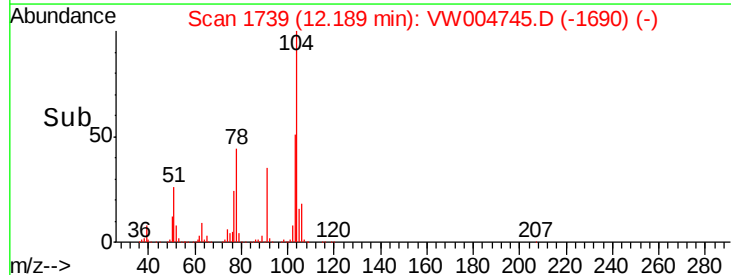
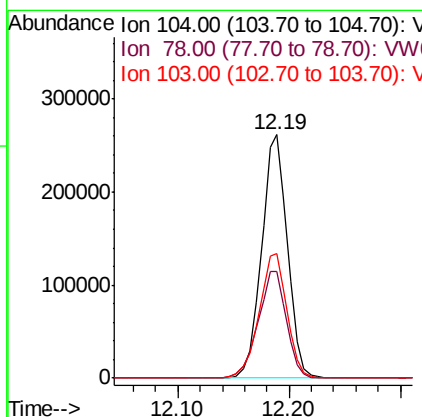
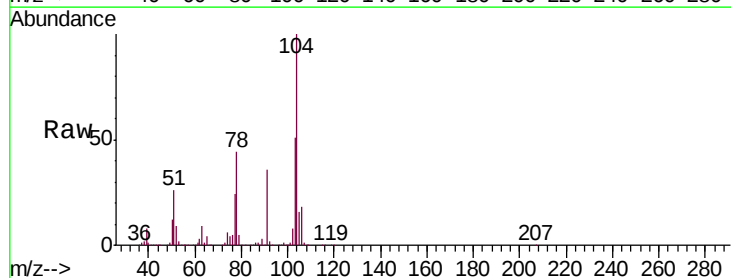
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

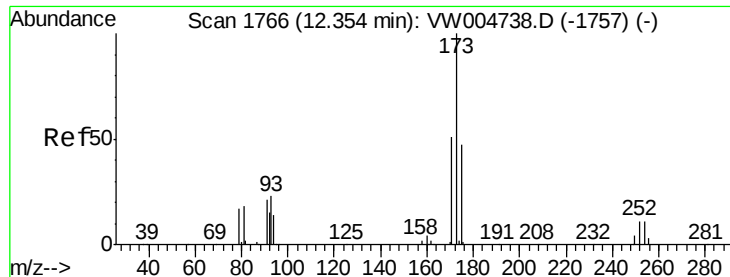
Tgt Ion:106 Resp: 248744
Ion Ratio Lower Upper
106 100
91 211.4 107.3 321.8



#70
Styrene
Concen: 20.068 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion:104 Resp: 421637
Ion Ratio Lower Upper
104 100
78 48.0 38.4 57.6
103 55.3 44.1 66.1

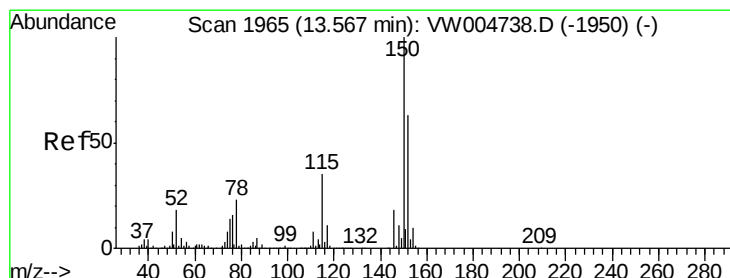
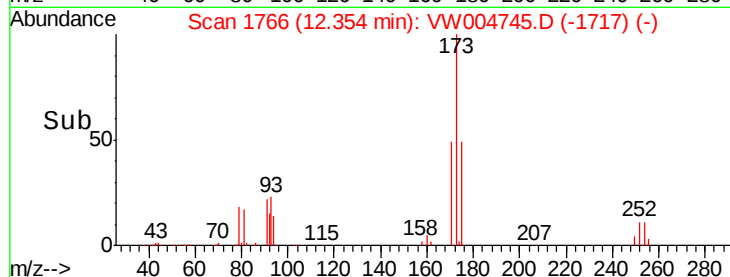
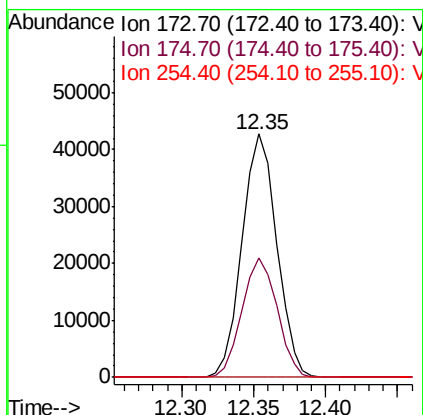
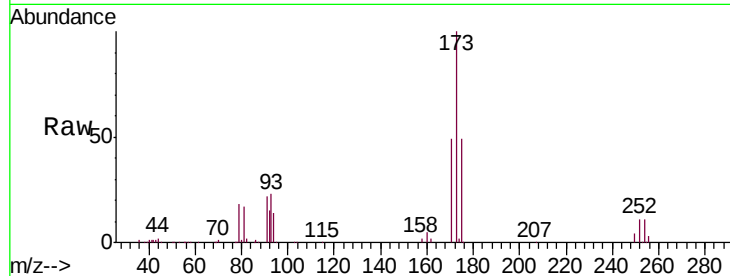




#71
Bromoform
Concen: 19.607 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

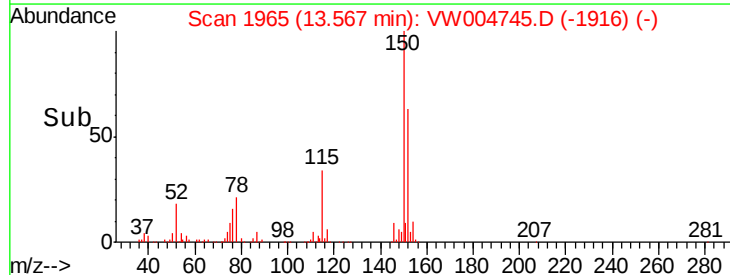
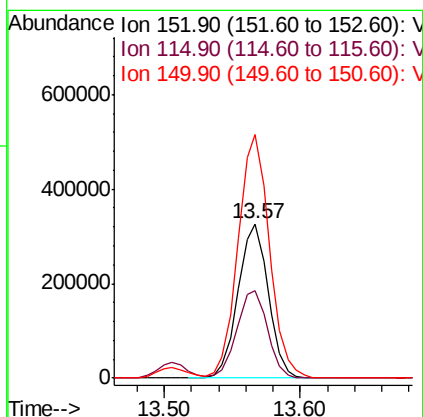
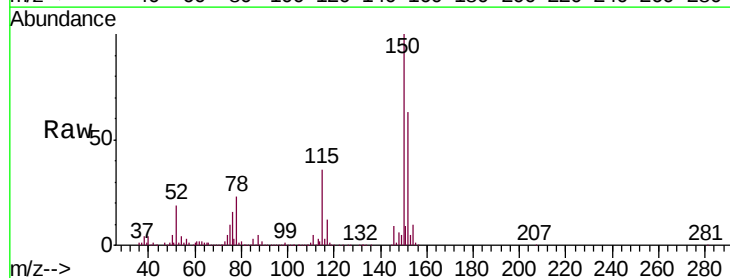
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD01

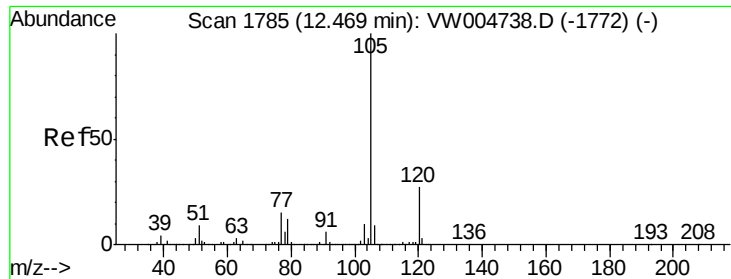
Tgt Ion:173 Resp: 71578
Ion Ratio Lower Upper
173 100
175 49.6 23.8 71.4
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004745.D
Acq: 17 Aug 2018 21:04

Tgt Ion:152 Resp: 506589
Ion Ratio Lower Upper
152 100
115 57.6 28.5 85.5
150 163.9 0.0 344.8





#73

Isopropylbenzene

Concen: 19.632 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

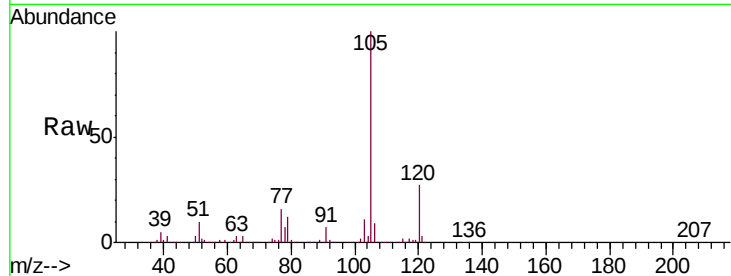
VW0819SBSD01

Tgt Ion: 105 Resp: 676612

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

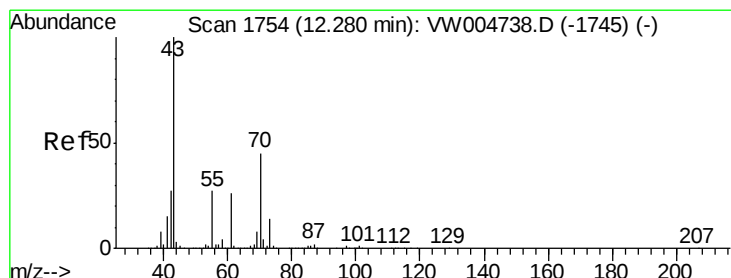
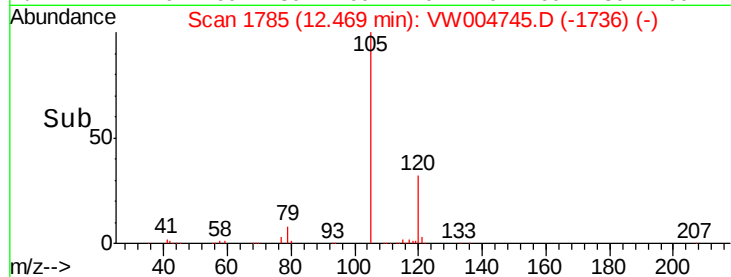
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.623 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Tgt Ion: 43 Resp: 145741

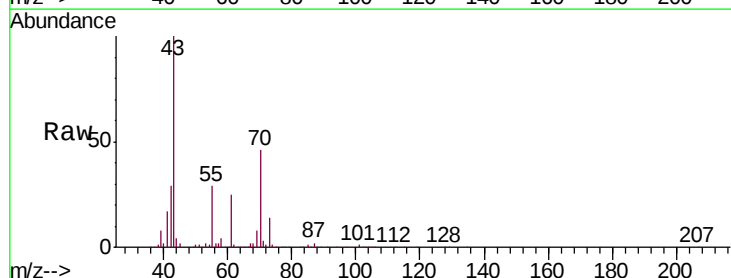
Ion Ratio Lower Upper

43 100

70 45.6 36.3 54.5

55 29.8 22.6 33.8

61 24.9 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.28

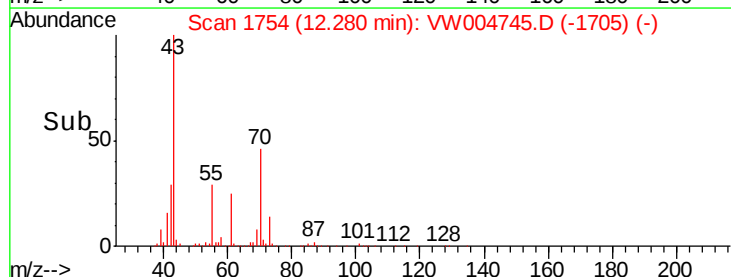
150000

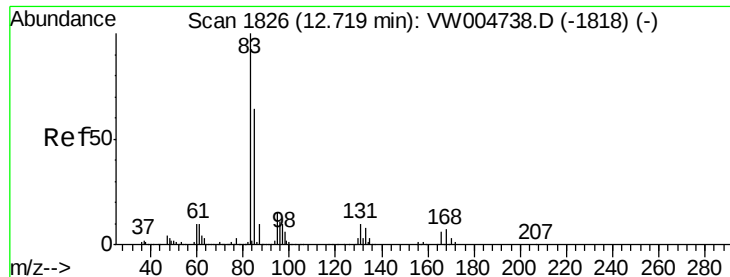
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.482 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

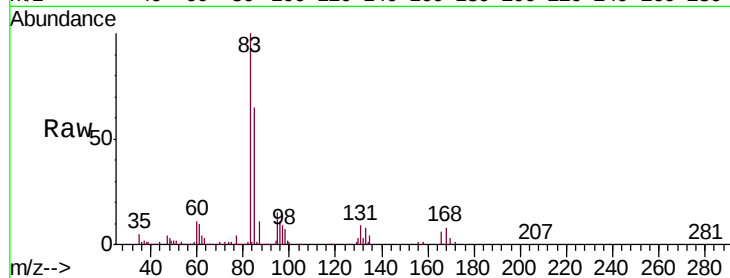
Tgt Ion: 83 Resp: 130766

Ion Ratio Lower Upper

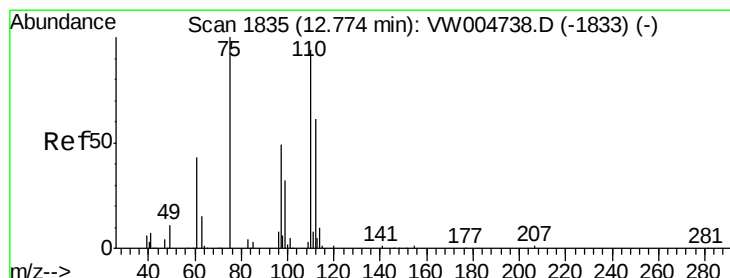
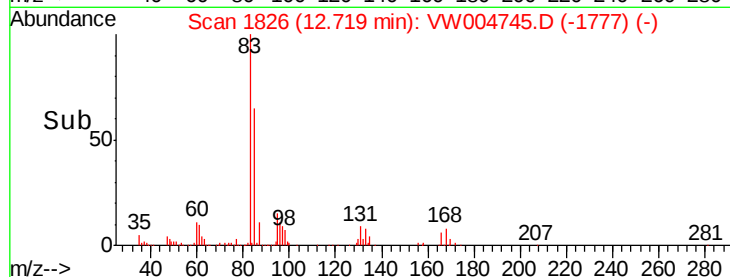
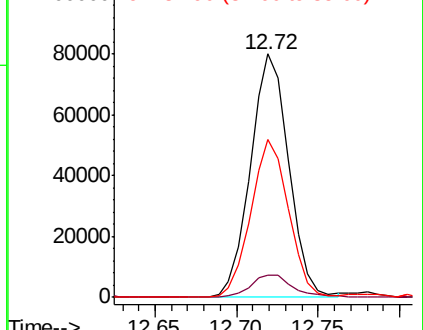
83 100

131 10.3 5.3 15.8

85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.203 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004745.D

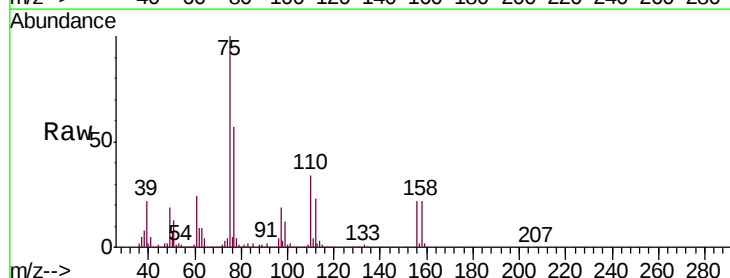
Acq: 17 Aug 2018 21:04

Tgt Ion: 75 Resp: 166137

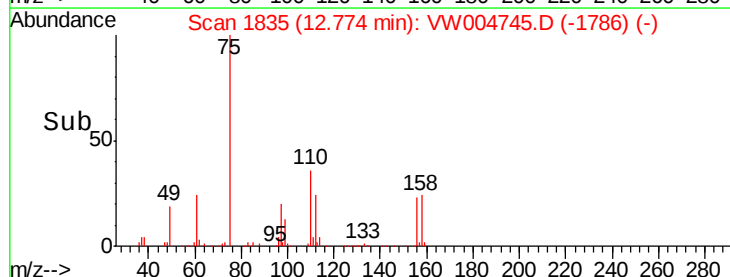
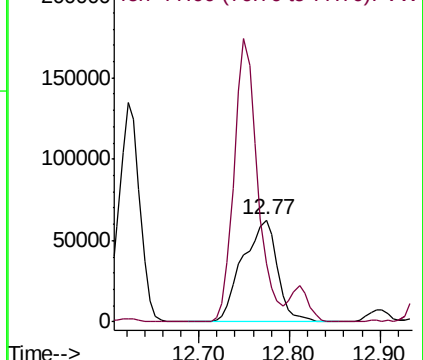
Ion Ratio Lower Upper

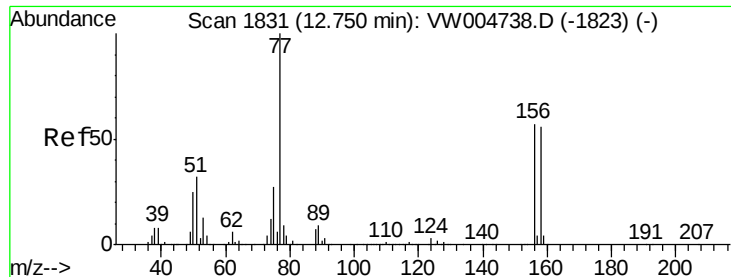
75 100

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: 19.995 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

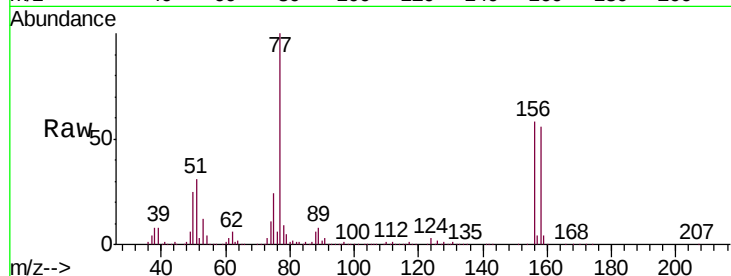
Tgt Ion:156 Resp: 166794

Ion Ratio Lower Upper

156 100

77 188.6 94.2 282.4

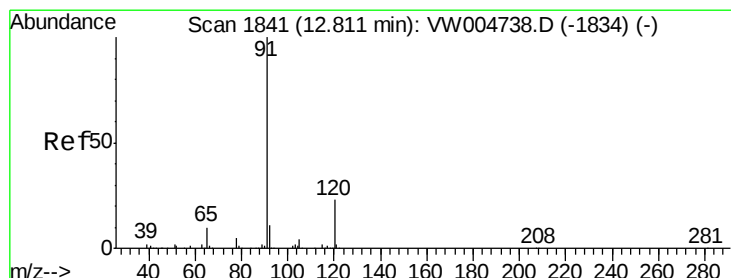
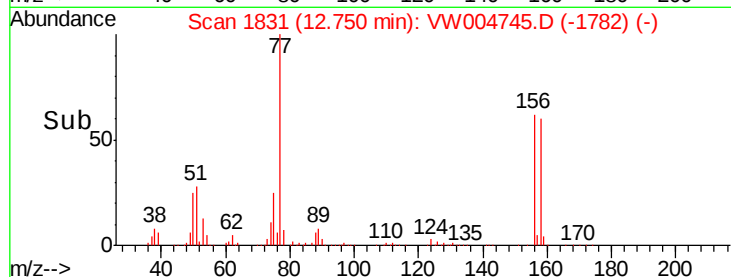
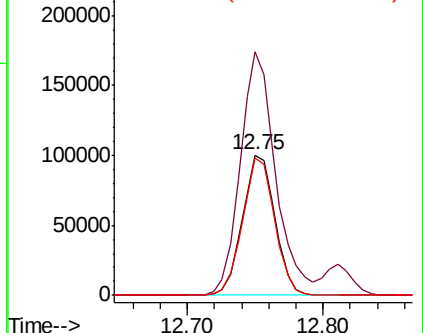
158 96.7 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.161 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004745.D

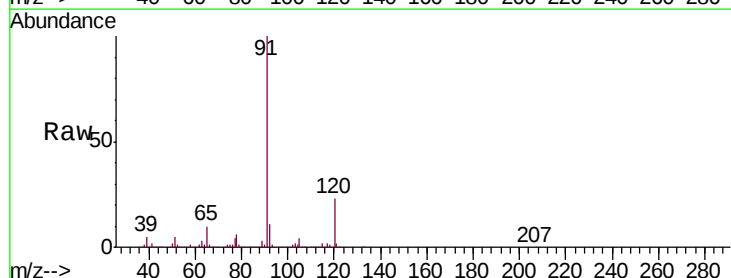
Acq: 17 Aug 2018 21:04

Tgt Ion: 91 Resp: 847867

Ion Ratio Lower Upper

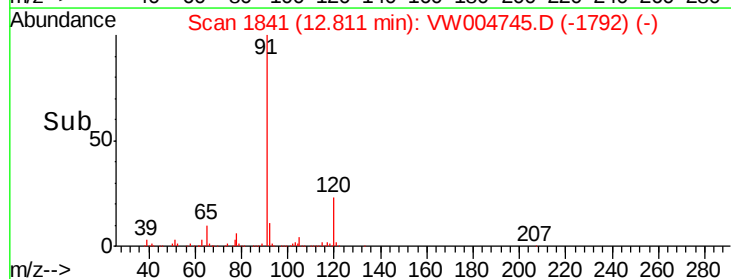
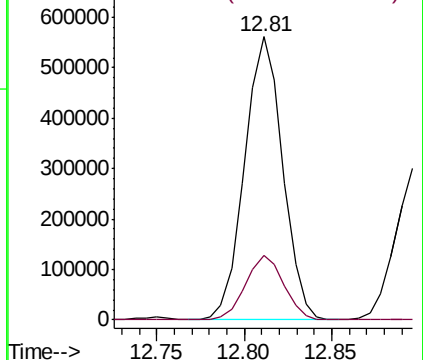
91 100

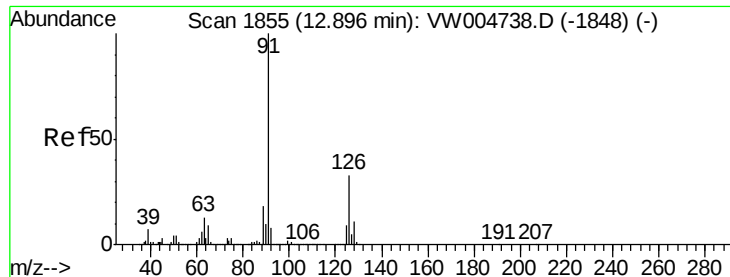
120 22.7 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.973 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

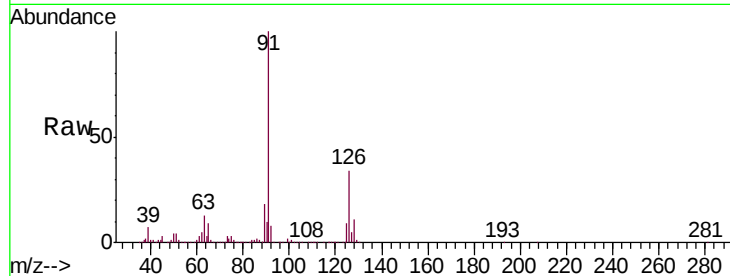
VW0819SBSD01

Tgt Ion: 91 Resp: 484169

Ion Ratio Lower Upper

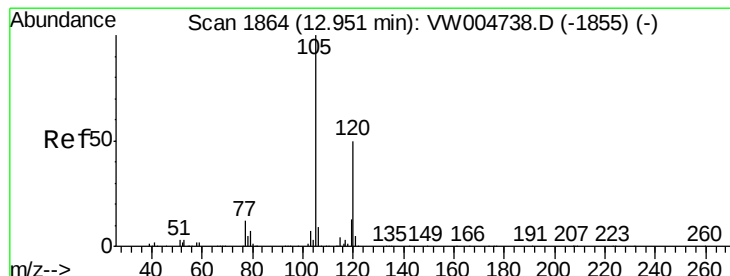
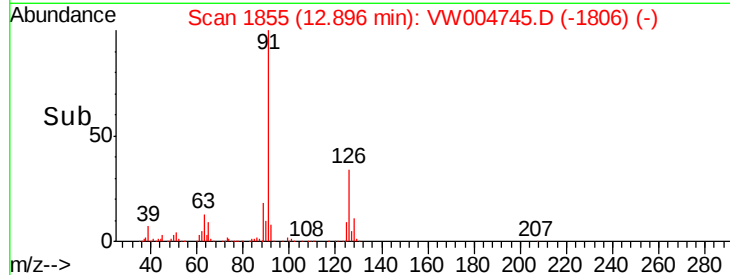
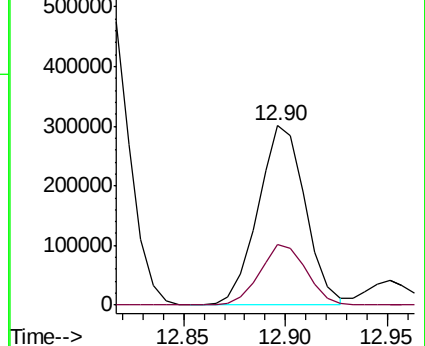
91 100

126 33.5 17.0 51.0



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: 20.293 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004745.D

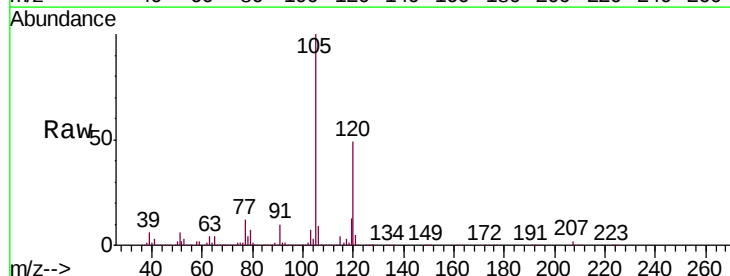
Acq: 17 Aug 2018 21:04

Tgt Ion: 105 Resp: 594174

Ion Ratio Lower Upper

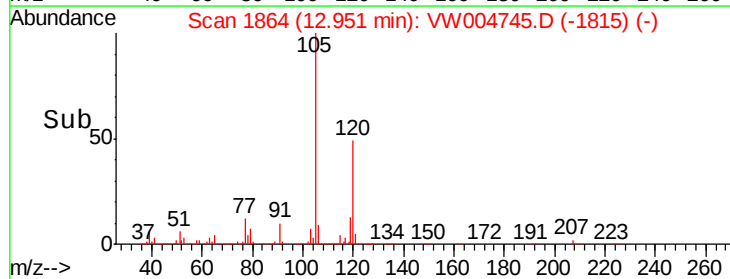
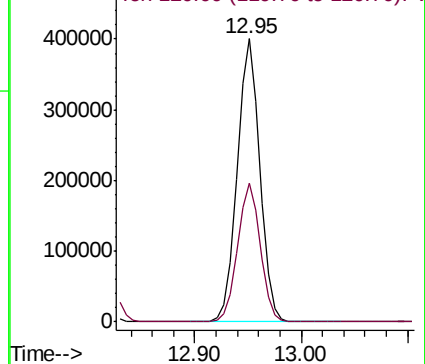
105 100

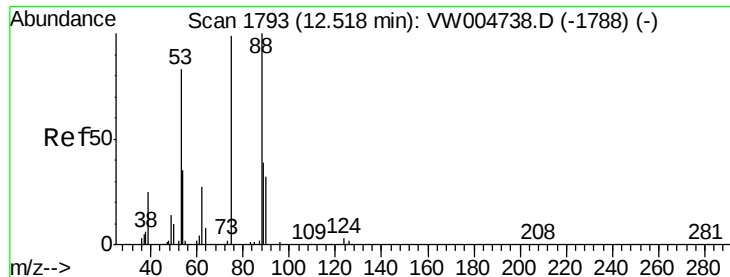
120 49.4 24.7 74.1



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: 19.545 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

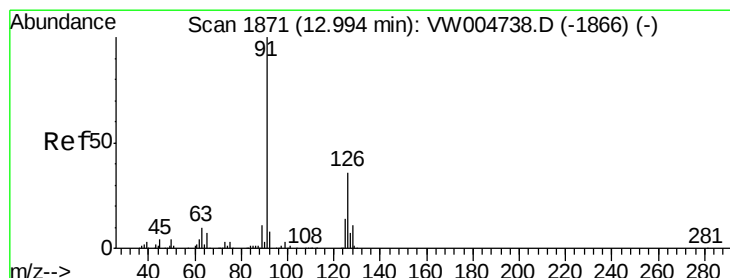
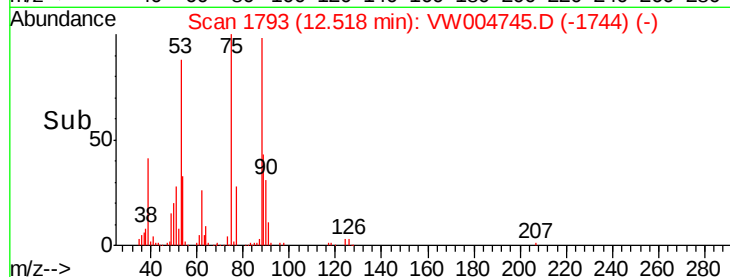
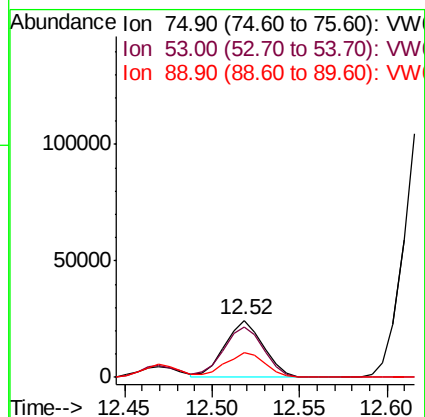
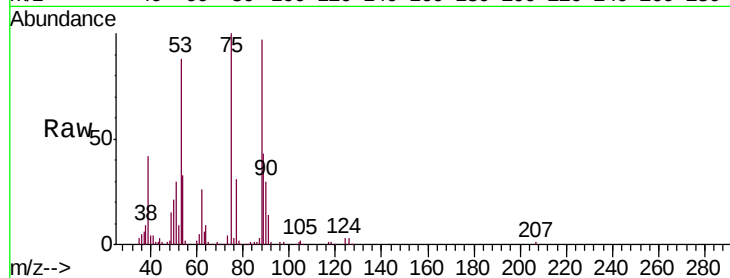
Tgt Ion: 75 Resp: 37552

Ion Ratio Lower Upper

75 100

53 91.9 72.2 108.4

89 44.0 35.2 52.8



#82

4-Chlorotoluene

Concen: 20.225 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004745.D

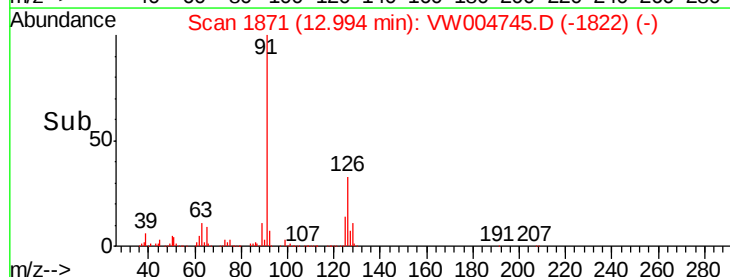
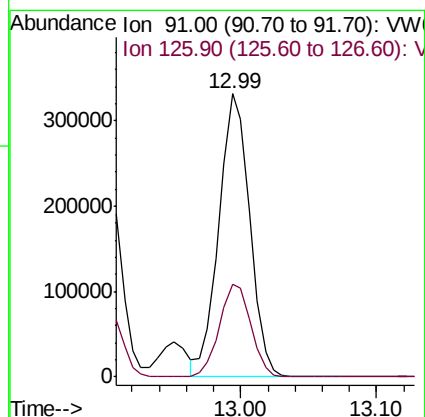
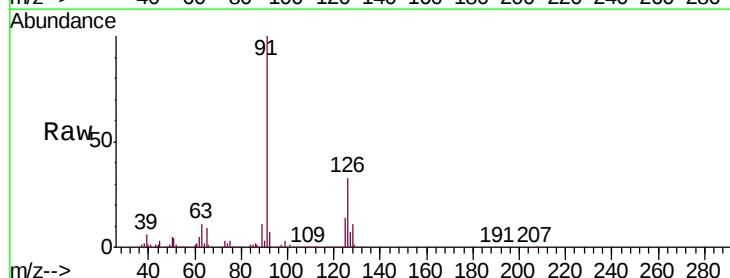
Acq: 17 Aug 2018 21:04

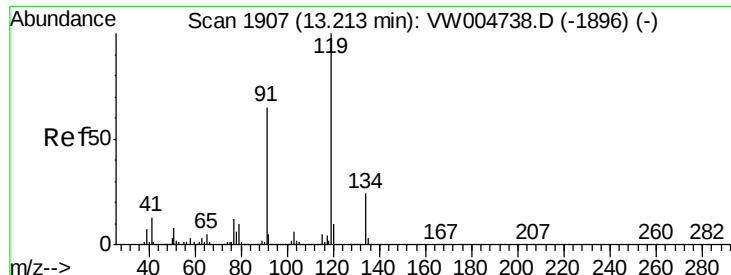
Tgt Ion: 91 Resp: 520922

Ion Ratio Lower Upper

91 100

126 33.5 16.9 50.7

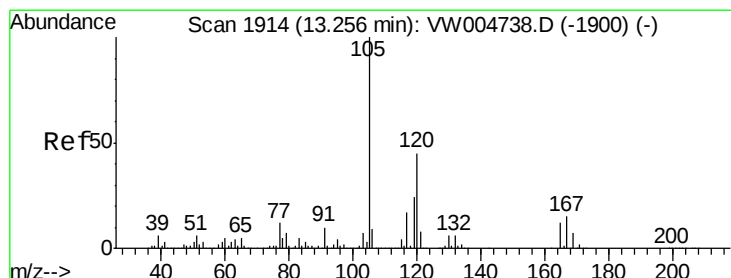
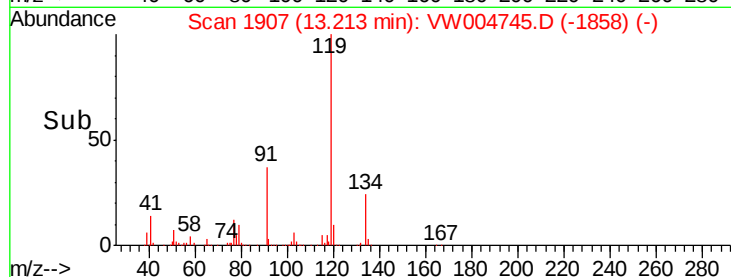
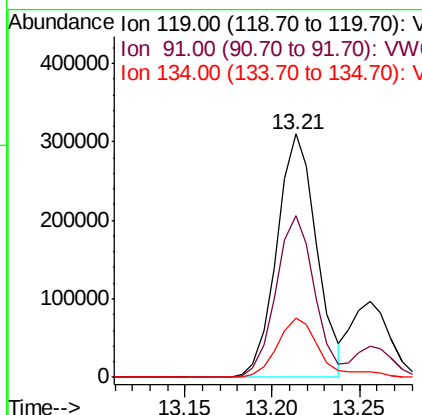
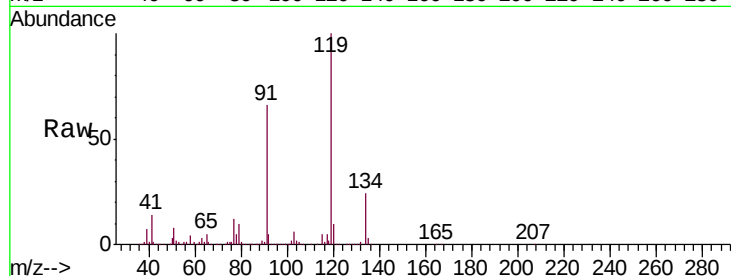




#83
 tert-Butylbenzene
 Concen: 19.635 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

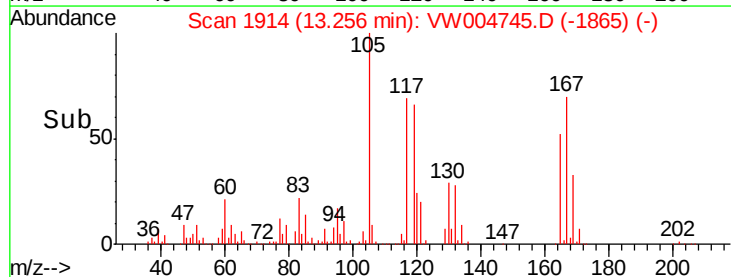
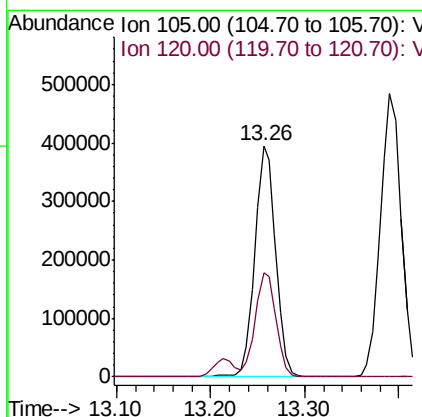
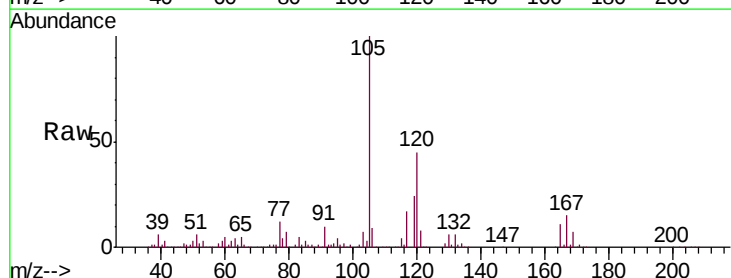
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

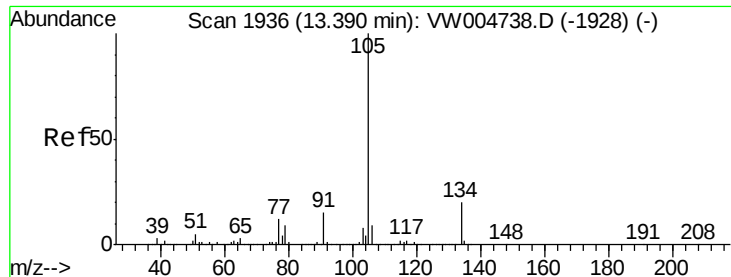
Tgt Ion:119 Resp: 491720
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.6 97.8
 134 26.5 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 20.440 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion:105 Resp: 615714
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.8 68.3





#85

sec-Butylbenzene

Concen: 19.779 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

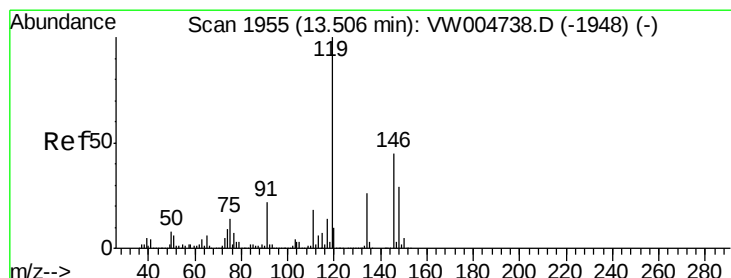
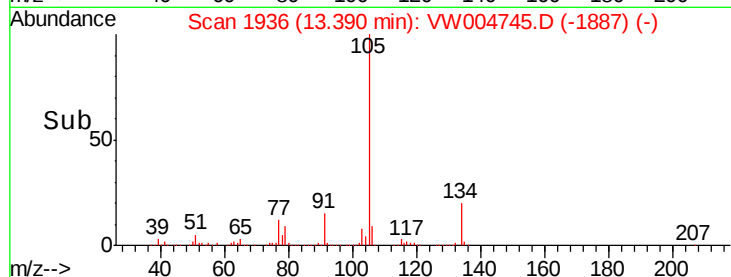
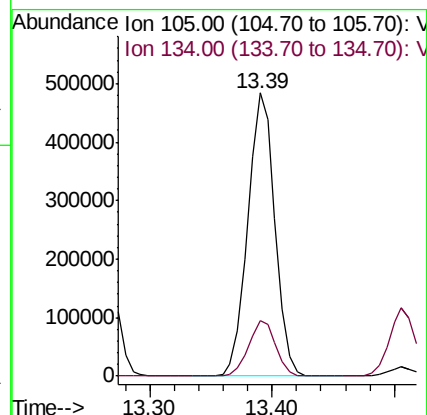
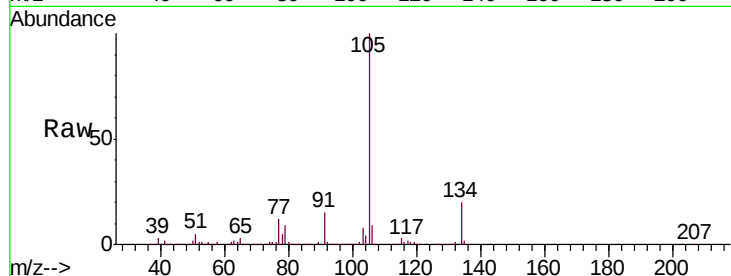
VW0819SBS01

Tgt Ion:105 Resp: 739520

Ion Ratio Lower Upper

105 100

134 19.8 10.0 29.8



#86

p-Isopropyltoluene

Concen: 19.768 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

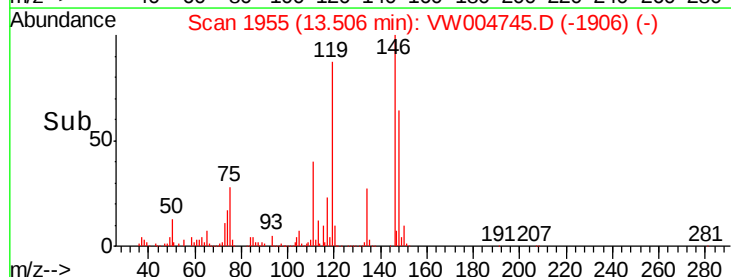
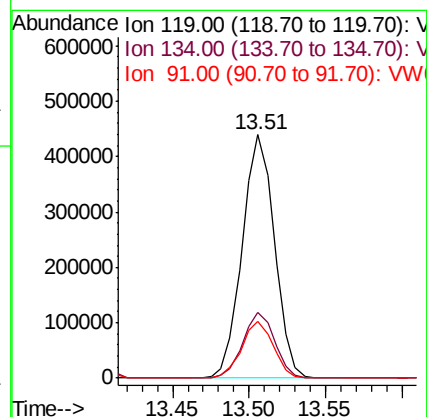
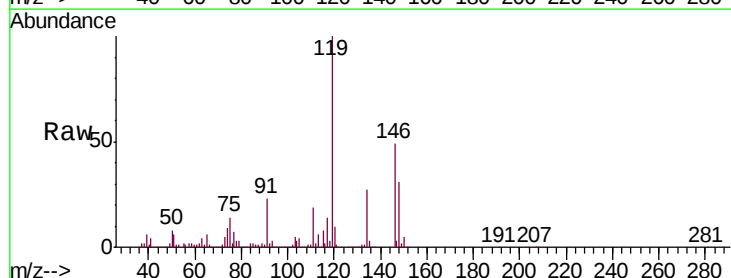
Tgt Ion:119 Resp: 643124

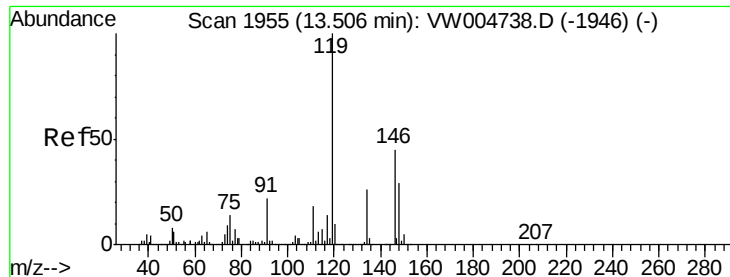
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.130 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBSD01

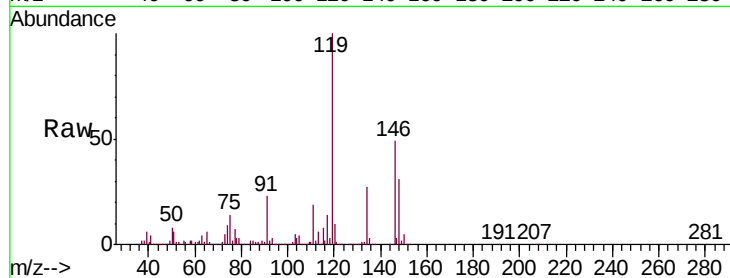
Tgt Ion:146 Resp: 341571

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.4

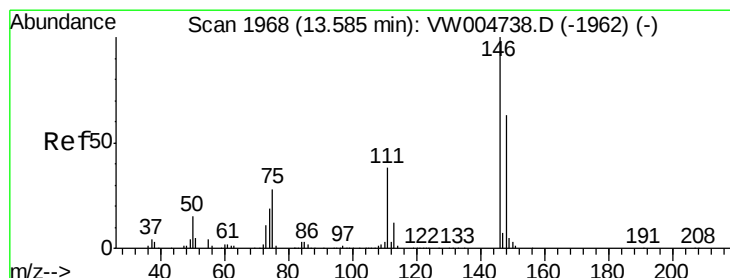
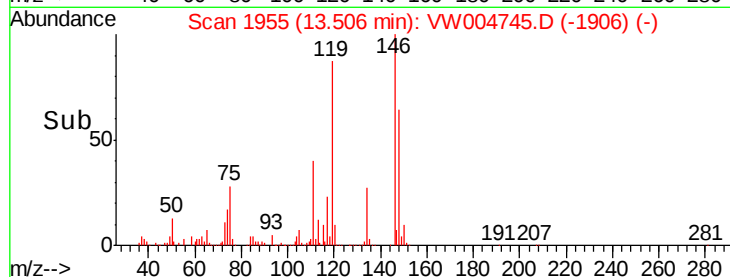
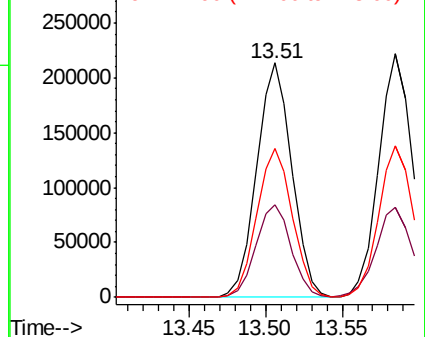
148 64.1 31.9 95.9



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: 20.070 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

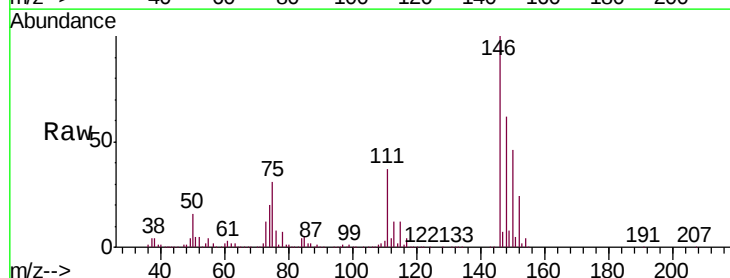
Tgt Ion:146 Resp: 340412

Ion Ratio Lower Upper

146 100

111 39.3 19.3 57.8

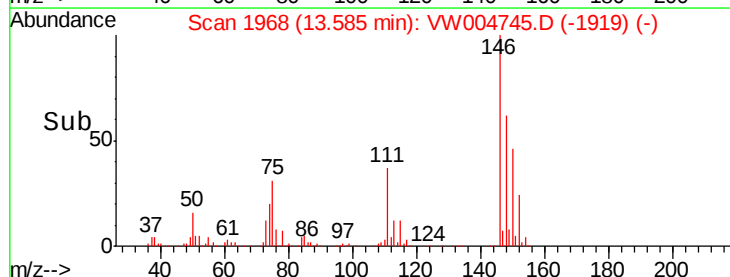
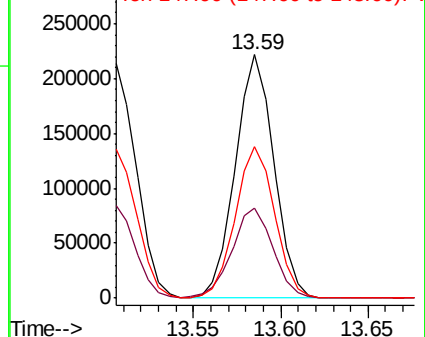
148 63.5 31.8 95.3

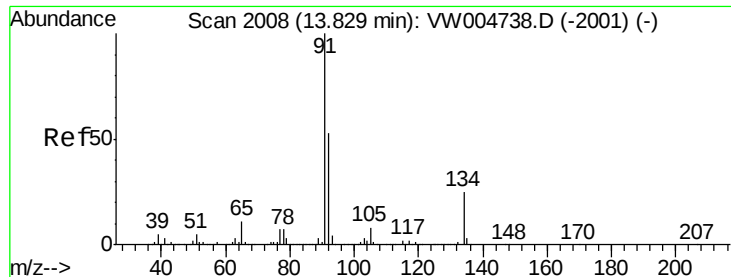


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.397 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

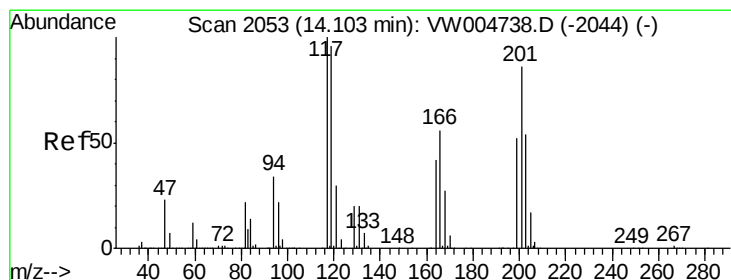
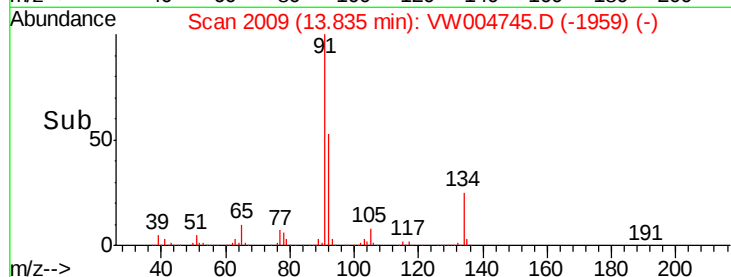
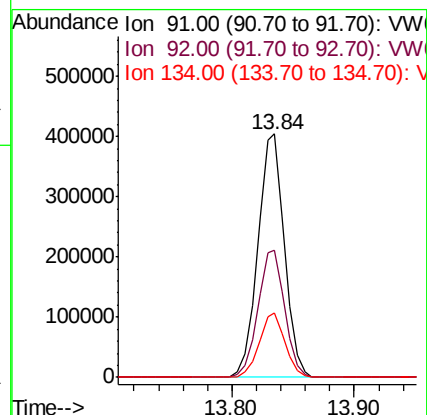
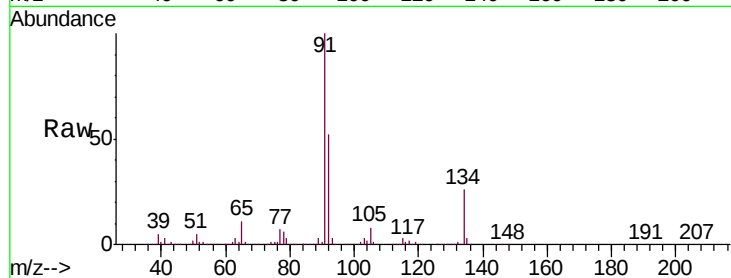
Tgt Ion: 91 Resp: 610134

Ion Ratio Lower Upper

91 100

92 52.6 26.4 79.2

134 25.7 12.8 38.3



#90

Hexachloroethane

Concen: 19.120 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004745.D

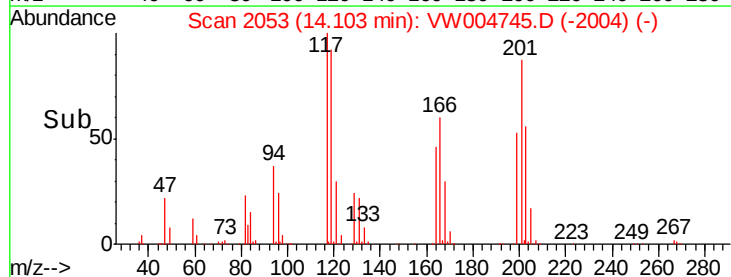
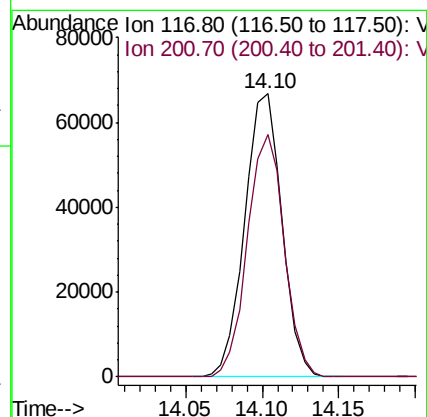
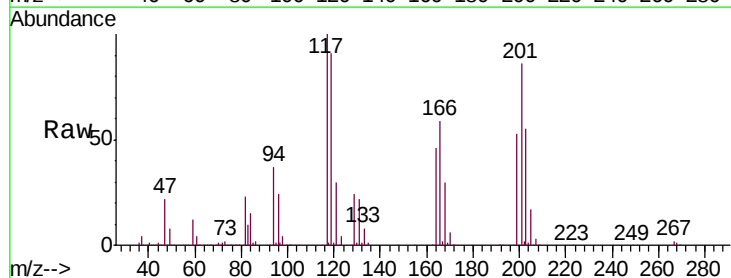
Acq: 17 Aug 2018 21:04

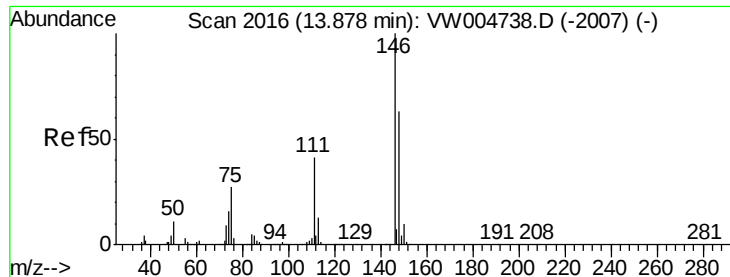
Tgt Ion: 117 Resp: 113385

Ion Ratio Lower Upper

117 100

201 84.2 42.4 127.2





#91

1,2-Dichlorobenzene

Concen: 20.122 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

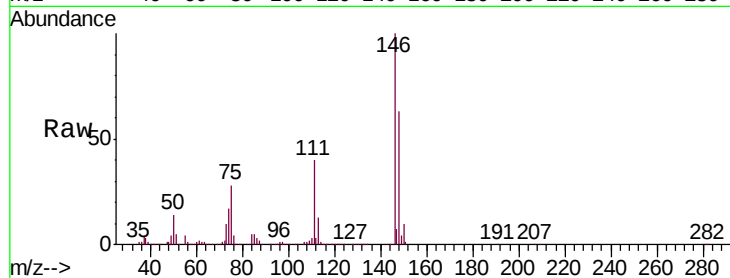
Tgt Ion:146 Resp: 306663

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

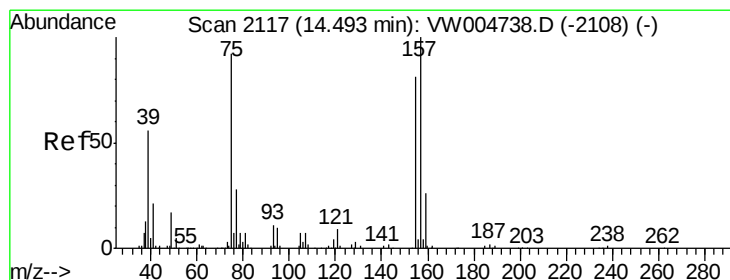
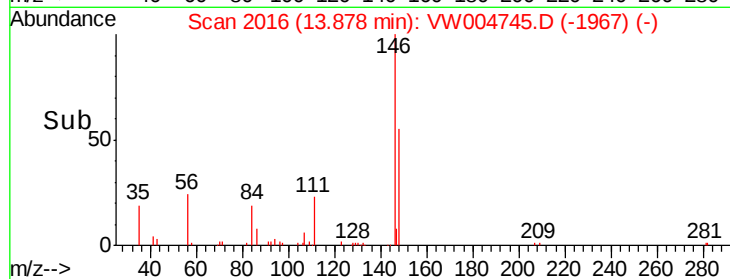
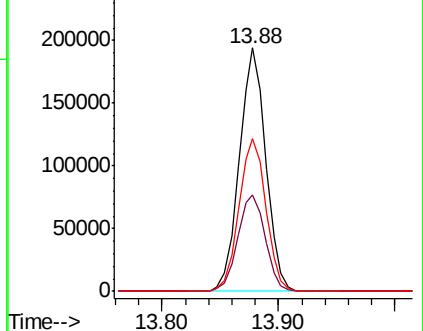
148 64.0 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.678 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

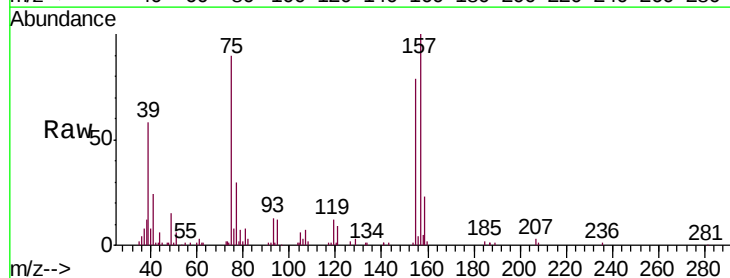
Tgt Ion: 75 Resp: 20632

Ion Ratio Lower Upper

75 100

155 85.1 43.3 129.9

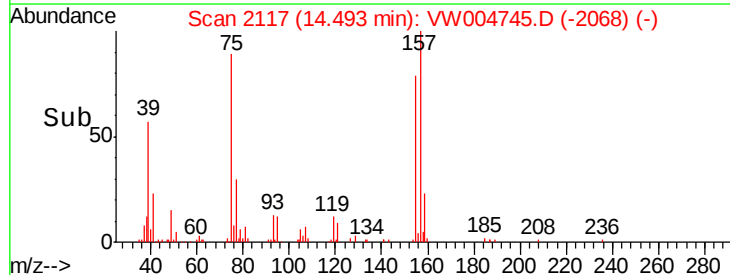
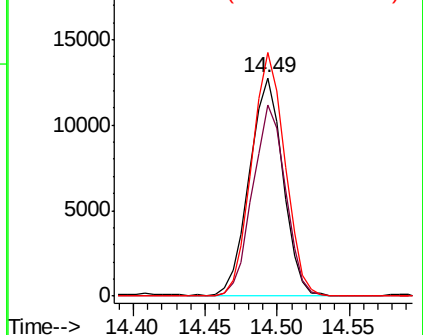
157 109.3 54.5 163.6

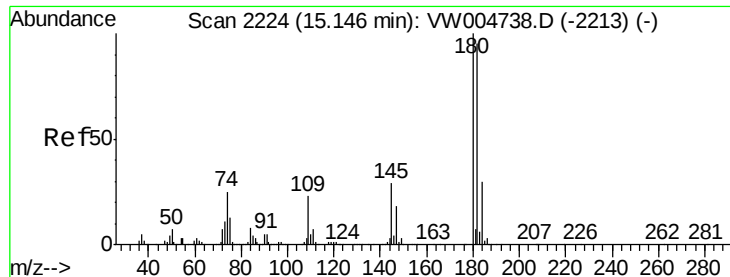


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

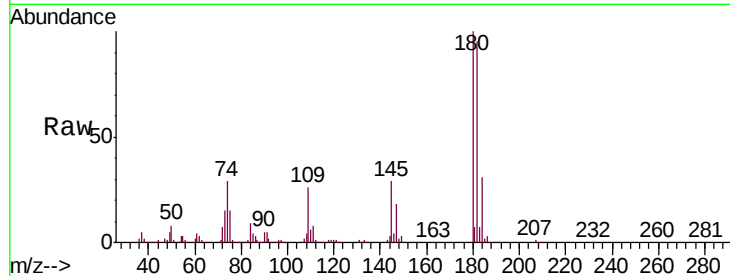




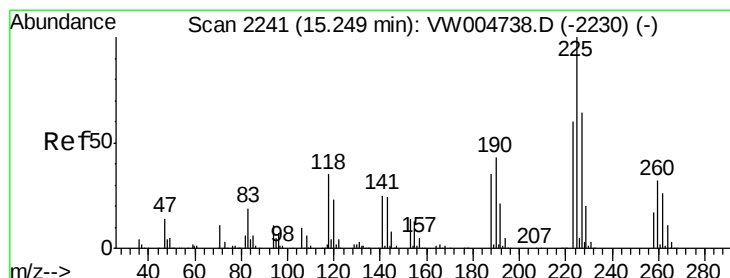
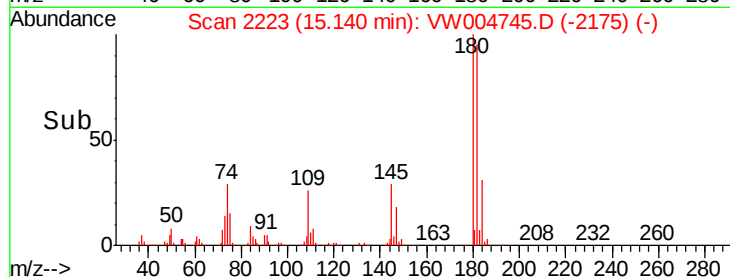
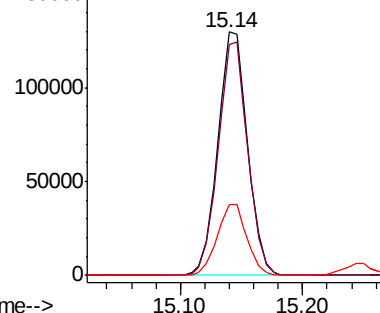
#93
 1,2,4-Trichlorobenzene
 Concen: 20.290 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD01

Tgt Ion:180 Resp: 218714
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.3 141.8
 145 29.2 14.6 43.8

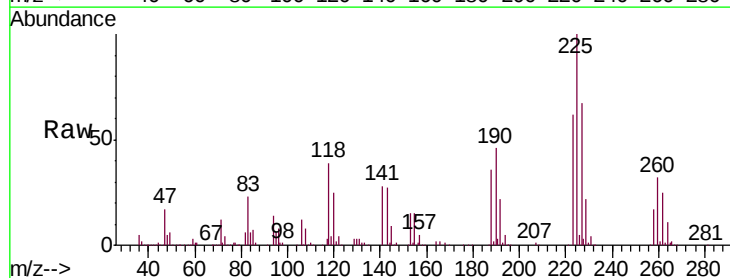


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

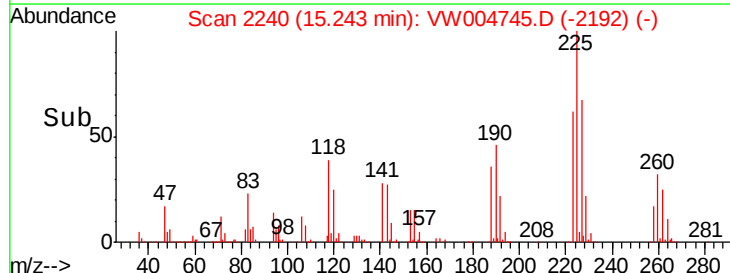
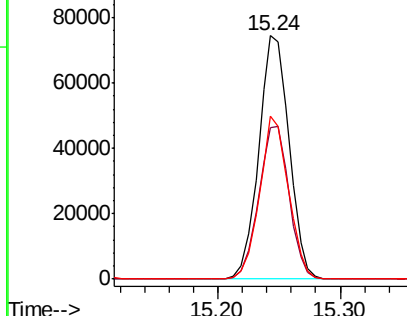


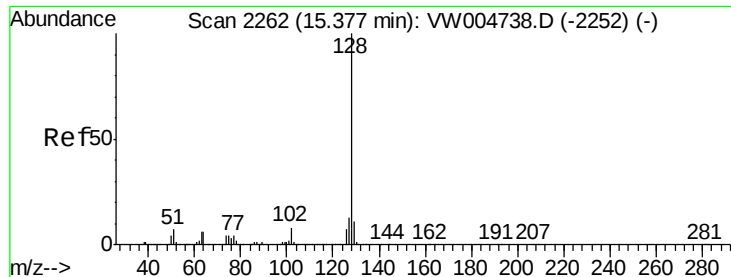
#94
 Hexachlorobutadiene
 Concen: 19.441 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004745.D
 Acq: 17 Aug 2018 21:04

Tgt Ion:225 Resp: 128631
 Ion Ratio Lower Upper
 225 100
 223 62.6 30.9 92.5
 227 63.6 32.0 96.0



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





#95

Naphthalene

Concen: 20.511 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

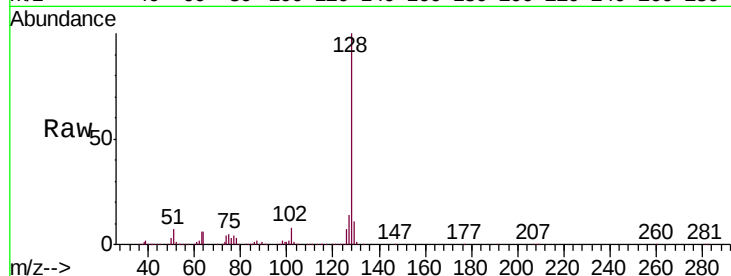
Tgt Ion:128 Resp: 381921

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

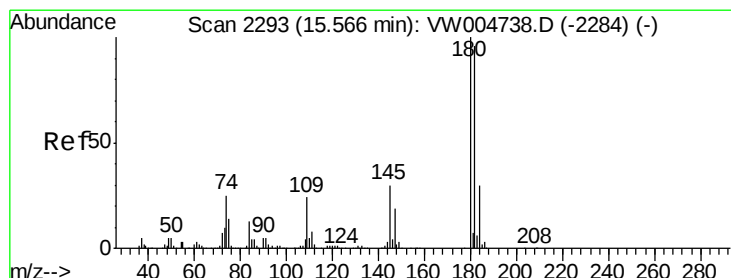
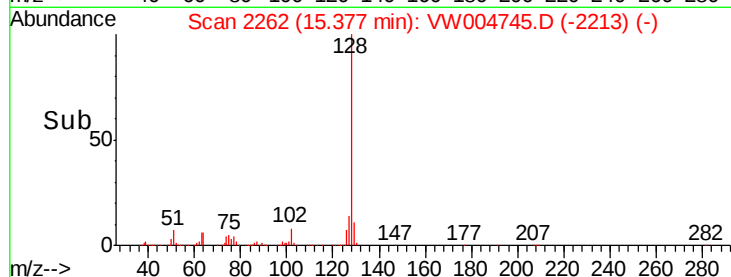
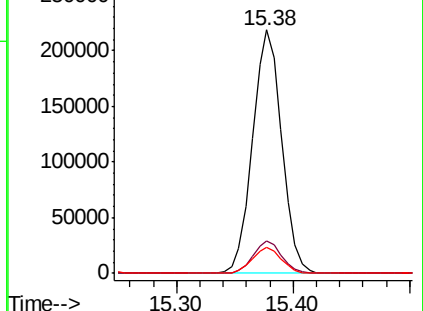
129 10.7 8.6 13.0



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: 20.824 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004745.D

Acq: 17 Aug 2018 21:04

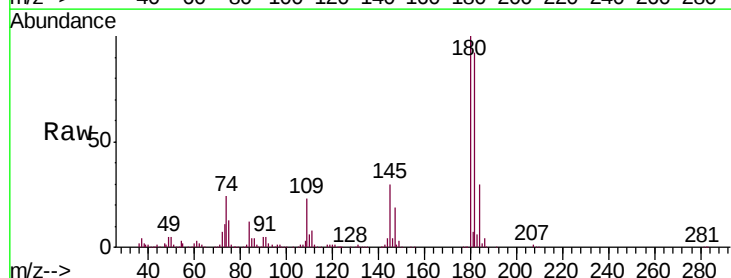
Tgt Ion:180 Resp: 199059

Ion Ratio Lower Upper

180 100

182 94.5 47.3 142.0

145 30.9 15.4 46.1



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

