

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008575.D
 Acq On : 08 Feb 2019 15:41
 Operator : SY/VA
 Sample : VW0208SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

Quant Time: Feb 09 01:17:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	528698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	850444	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	853196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	482560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	239835	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
35) Dibromofluoromethane	7.88	113	212496	42.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.46%	
50) Toluene-d8	10.32	98	881890	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	12.62	95	395462	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	60166	21.664	ug/l	93
3) Chloromethane	2.21	50	91936	21.303	ug/l	95
4) Vinyl Chloride	2.36	62	117904	21.462	ug/l	100
5) Bromomethane	2.78	94	79471	22.428	ug/l	96
6) Chloroethane	2.92	64	76966	22.908	ug/l	98
7) Trichlorofluoromethane	3.25	101	80845	20.045	ug/l	91
8) Diethyl Ether	3.67	74	61681	23.394	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	103817	21.711	ug/l	99
10) Methyl Iodide	4.26	142	157979	20.916	ug/l	98
11) Tert butyl alcohol	5.18	59	47404	113.360	ug/l	100
12) 1,1-Dichloroethene	4.03	96	97442	20.136	ug/l	90
13) Acrolein	3.89	56	36398	101.187	ug/l	98
14) Allyl chloride	4.65	41	187657	20.421	ug/l	97
15) Acrylonitrile	5.37	53	131886	115.841	ug/l	99
16) Acetone	4.12	43	135536	116.202	ug/l	98
17) Carbon Disulfide	4.37	76	286704	18.550	ug/l	100
18) Methyl Acetate	4.67	43	72265	23.229	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	193563	24.175	ug/l	98
20) Methylene Chloride	4.91	84	121103	22.527	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	113254	20.817	ug/l	98
22) Diisopropyl ether	6.31	45	381760	21.920	ug/l	97
23) Vinyl Acetate	6.25	43	1154567	112.271	ug/l	99
24) 1,1-Dichloroethane	6.21	63	209495	21.251	ug/l	99
25) 2-Butanone	7.17	43	189091	116.717	ug/l	100
26) 2,2-Dichloropropane	7.16	77	139820	20.983	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	125706	21.201	ug/l	99
28) Bromochloromethane	7.51	49	98373	21.726	ug/l	99
29) Tetrahydrofuran	7.53	42	118867	115.782	ug/l	96
30) Chloroform	7.67	83	212703	21.936	ug/l	99
31) Cyclohexane	7.95	56	201311	19.749	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	173466	20.712	ug/l	98
36) 1,1-Dichloropropene	8.08	75	164949	20.533	ug/l	99
37) Ethyl Acetate	7.26	43	85959	24.185	ug/l	98
38) Carbon Tetrachloride	8.07	117	165134	20.427	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	216172	20.484	ug/l	99
40) Benzene	8.32	78	456697	20.487	ug/l	100
41) Methacrylonitrile	7.48	41	49238	23.397	ug/l	97
42) 1,2-Dichloroethane	8.40	62	146620	22.696	ug/l	99
43) Isopropyl Acetate	8.43	43	174389	23.617	ug/l	99
44) Trichloroethene	9.09	130	122493	20.207	ug/l	93
45) 1,2-Dichloropropane	9.37	63	120689	21.714	ug/l	98
46) Dibromomethane	9.46	93	62357	21.813	ug/l	97
47) Bromodichloromethane	9.64	83	162643	21.509	ug/l	98
48) Methyl methacrylate	9.44	41	83933	23.247	ug/l	97
49) 1,4-Dioxane	9.45	88	21666	448.368	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	460156	126.143	ug/l	98
52) Toluene	10.38	92	322096	21.889	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	181512	22.559	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	199530	21.852	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	95379	24.054	ug/l	97
56) Ethyl methacrylate	10.65	69	135249	24.342	ug/l	97
57) 1,3-Dichloropropane	10.93	76	170376	23.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	304009	112.613	ug/l	99
59) 2-Hexanone	10.97	43	344053	133.599	ug/l	97
60) Dibromochloromethane	11.13	129	117256	23.011	ug/l	98
61) 1,2-Dibromoethane	11.24	107	93079	23.674	ug/l	98
64) Tetrachloroethene	10.86	164	111107	19.234	ug/l	95
65) Chlorobenzene	11.66	112	368737	21.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	131204	21.055	ug/l	98
67) Ethyl Benzene	11.73	91	675608	21.103	ug/l	98
68) m/p-Xylenes	11.84	106	516242	41.560	ug/l	98
69) o-Xylene	12.16	106	253018	21.438	ug/l	100
70) Styrene	12.18	104	416654	21.372	ug/l	99
71) Bromoform	12.35	173	73820	21.055	ug/l #	96
73) Isopropylbenzene	12.46	105	730777	20.313	ug/l	98
74) N-amyl acetate	12.27	43	201025	21.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	130488	22.910	ug/l	91
76) 1,2,3-Trichloropropane	12.77	75	90742m	21.628	ug/l	
77) Bromobenzene	12.75	156	156367	19.902	ug/l	98
78) n-propylbenzene	12.80	91	862264	19.956	ug/l	100
79) 2-Chlorotoluene	12.89	91	493881	20.255	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	611123	20.324	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43720	20.582	ug/l	99
82) 4-Chlorotoluene	12.99	91	514918	19.835	ug/l	99
83) tert-Butylbenzene	13.21	119	543446	20.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	638727	20.898	ug/l	98
85) sec-Butylbenzene	13.38	105	789196	20.652	ug/l	100
86) p-Isopropyltoluene	13.50	119	694063	20.734	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	321797	20.280	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	326823	20.725	ug/l	99
89) n-Butylbenzene	13.83	91	691175	21.030	ug/l	99
90) Hexachloroethane	14.10	117	148210	22.640	ug/l	86
91) 1,2-Dichlorobenzene	13.87	146	299916	21.362	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25662	23.746	ug/l	95

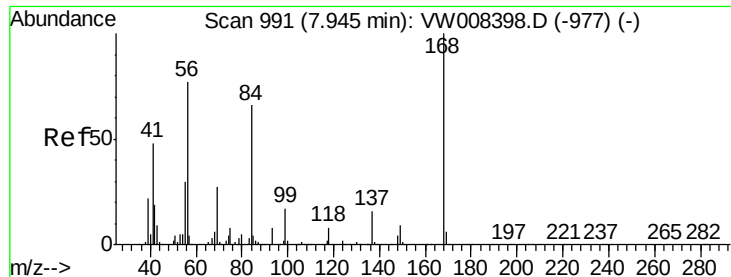
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008575.D
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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	225006	22.458	ug/l	99
94) Hexachlorobutadiene	15.24	225	131695	21.811	ug/l	98
95) Naphthalene	15.37	128	575146	32.694	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	193864	22.811	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

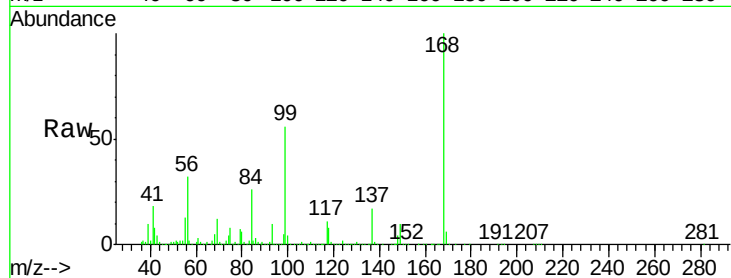
VW0208SBSD01

Tot Ion:168 Resp: 528698

Ion Ratio Lower Upper

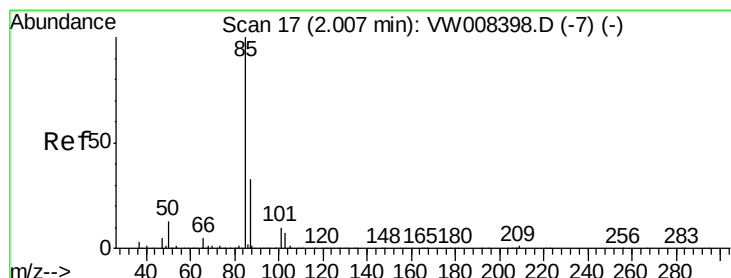
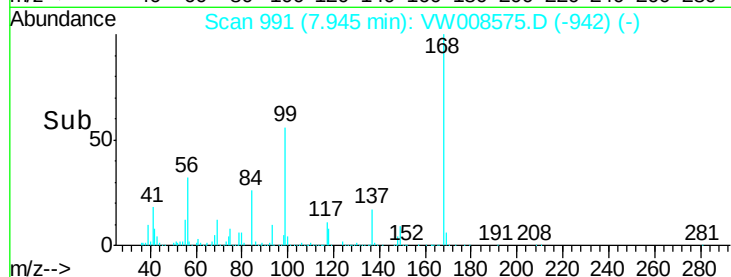
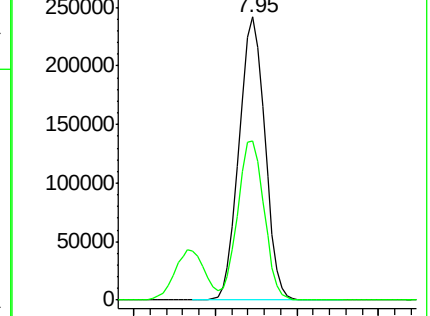
168 100

99 56.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.664 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW008575.D

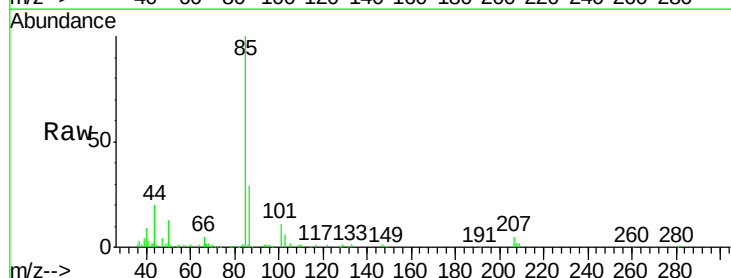
Acq: 08 Feb 2019 15:41

Tgt Ion: 85 Resp: 60166

Ion Ratio Lower Upper

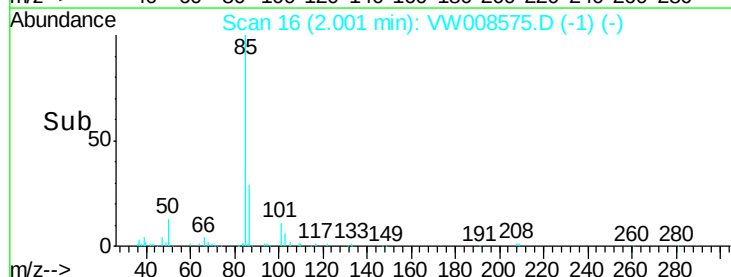
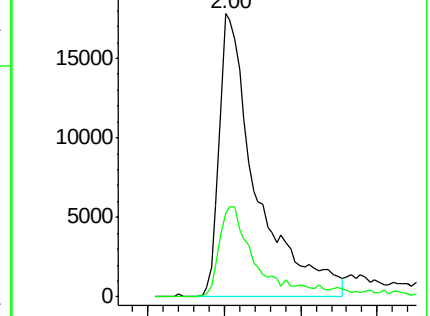
85 100

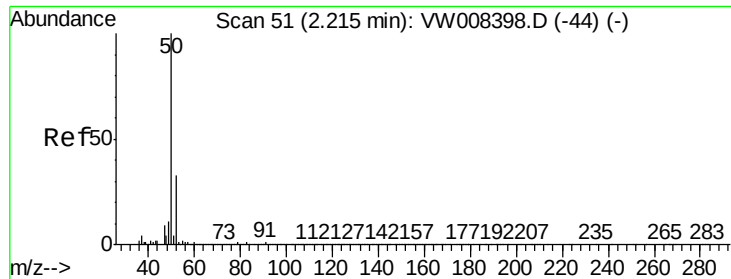
87 29.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.303 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

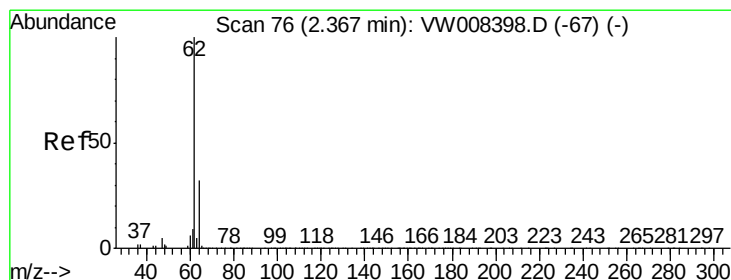
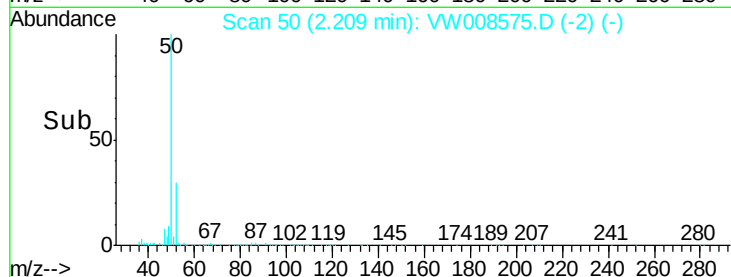
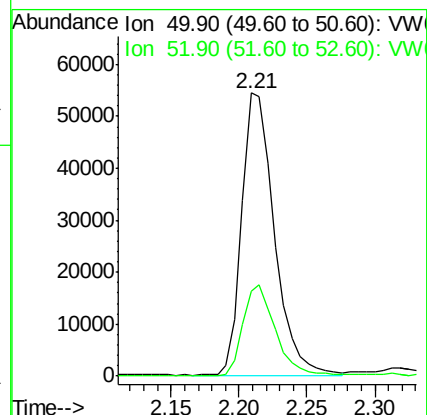
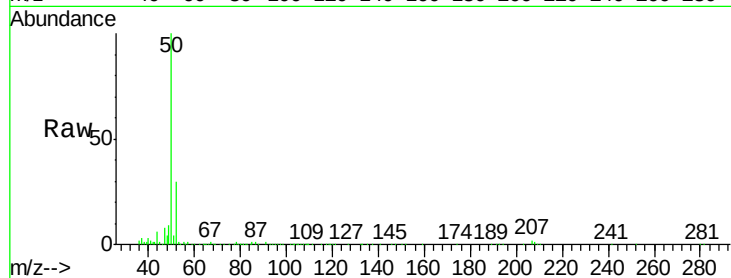
VW0208SBSD01

Tot Ion: 50 Resp: 91936

Ion Ratio Lower Upper

50 100

52 30.2 26.3 39.5



#4

Vinyl Chloride

Concen: 21.462 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008575.D

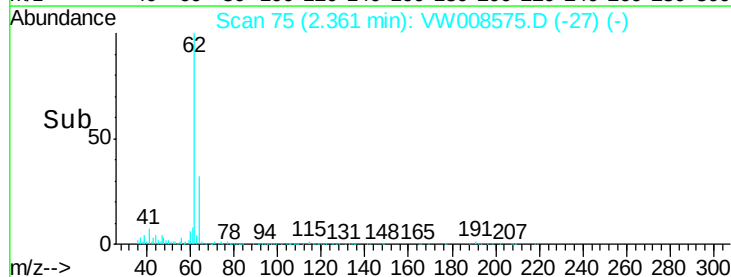
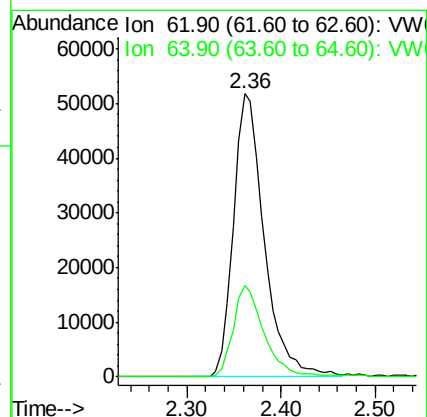
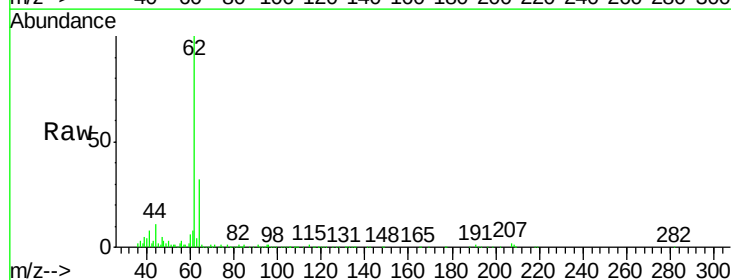
Acq: 08 Feb 2019 15:41

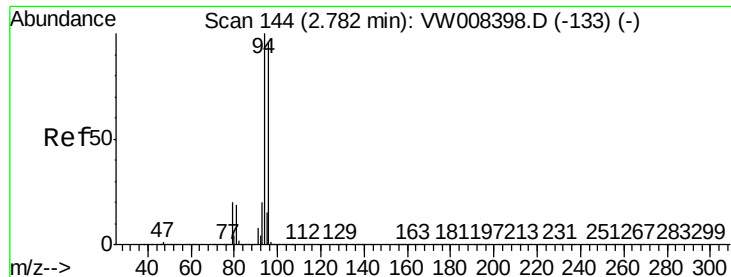
Tgt Ion: 62 Resp: 117904

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 22.428 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

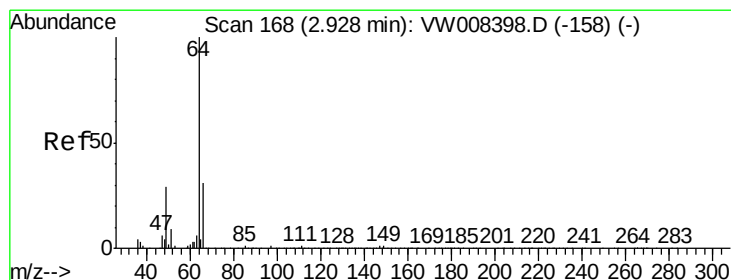
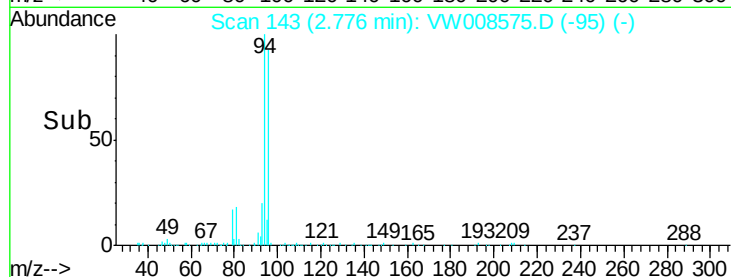
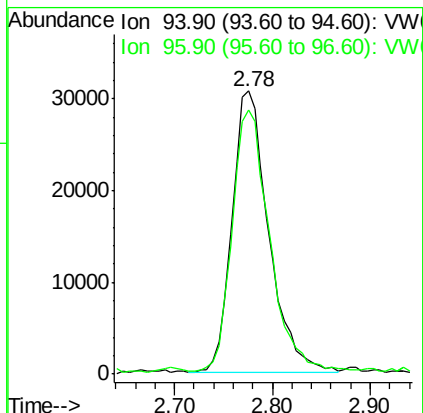
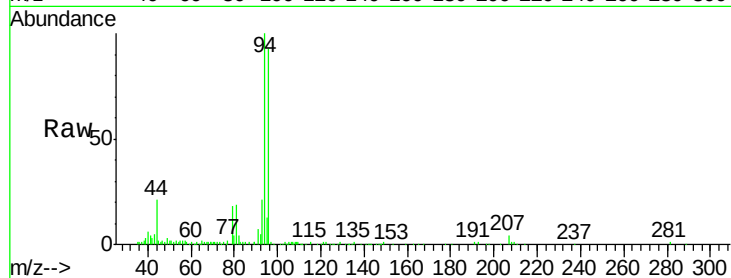
VW0208SBSD01

Tot Ion: 94 Resp: 79471

Ion Ratio Lower Upper

94 100

96 93.0 77.2 115.8



#6

Chloroethane

Concen: 22.908 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008575.D

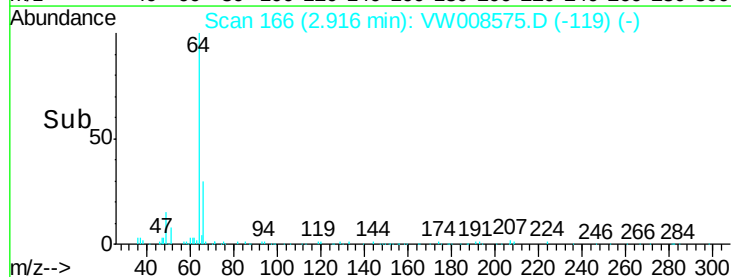
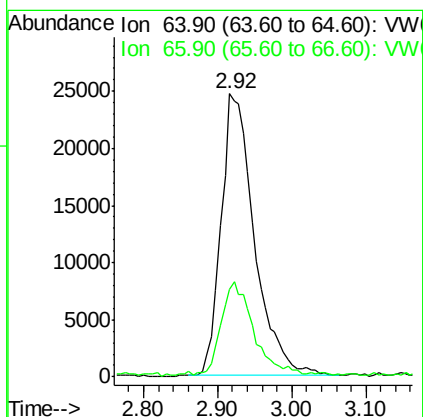
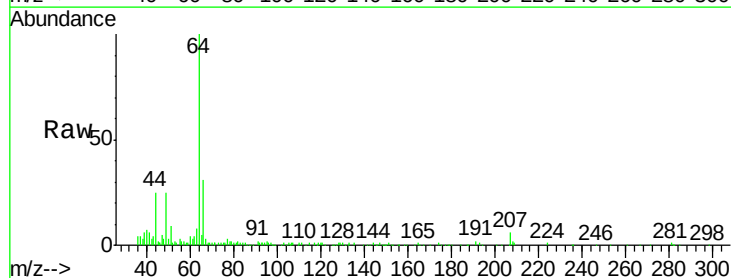
Acq: 08 Feb 2019 15:41

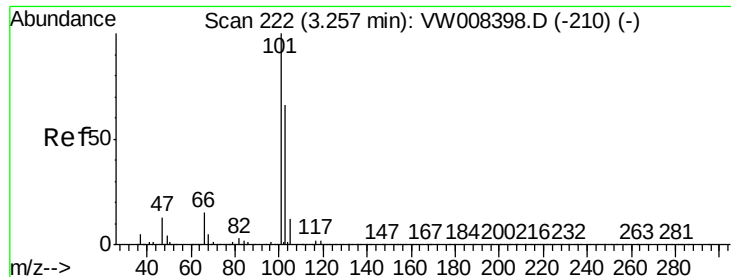
Tgt Ion: 64 Resp: 76966

Ion Ratio Lower Upper

64 100

66 30.1 24.9 37.3



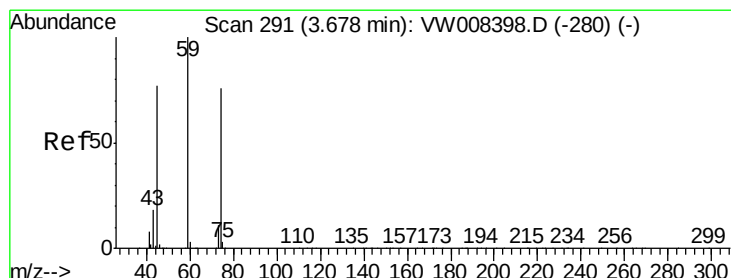
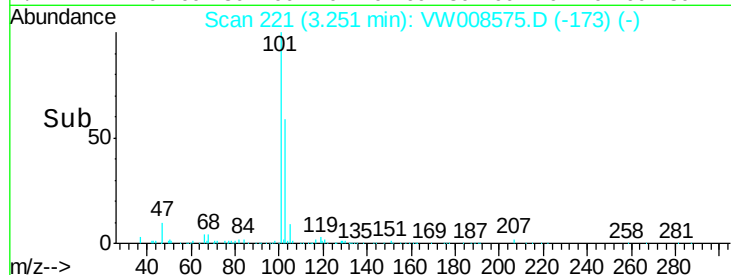
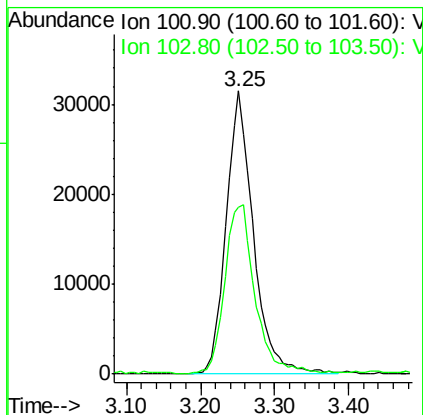
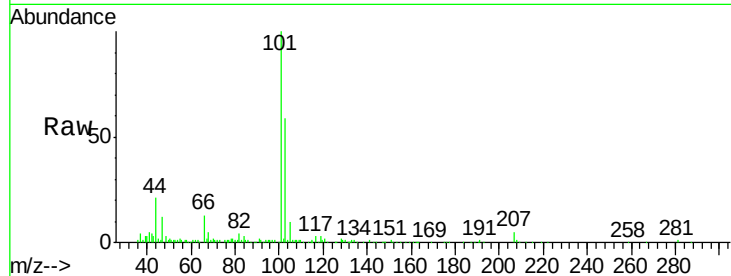


#7

Trichlorofluoromethane
Concen: 20.045 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

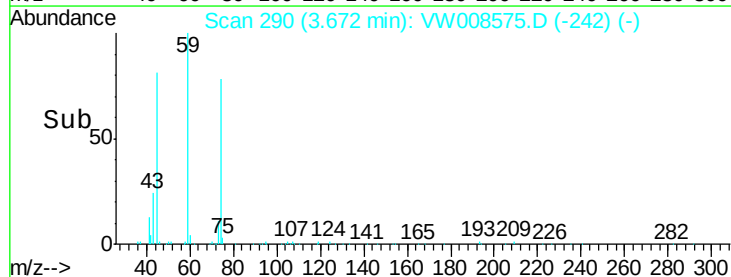
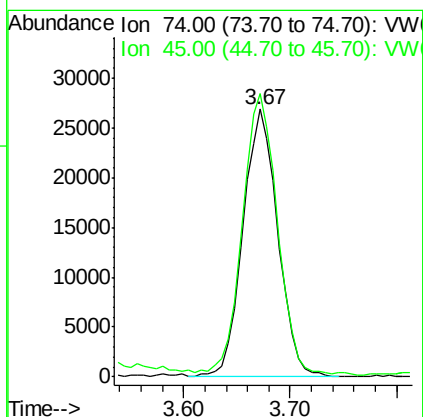
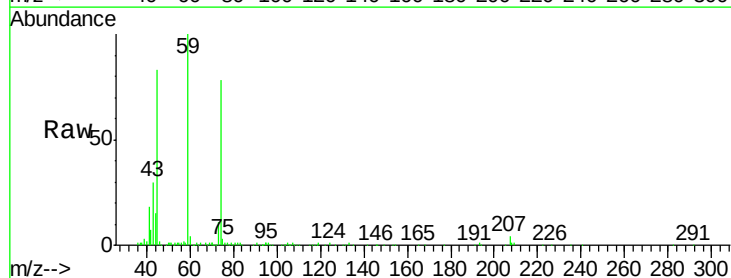
Tot Ion:101 Resp: 80845
Ion Ratio Lower Upper
101 100
103 58.7 52.5 78.7

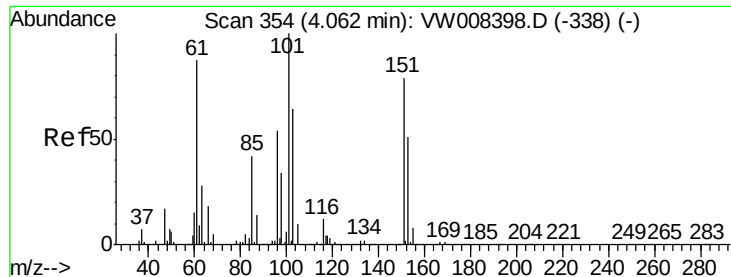


#8

Diethyl Ether
Concen: 23.394 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 74 Resp: 61681
Ion Ratio Lower Upper
74 100
45 104.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.711 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

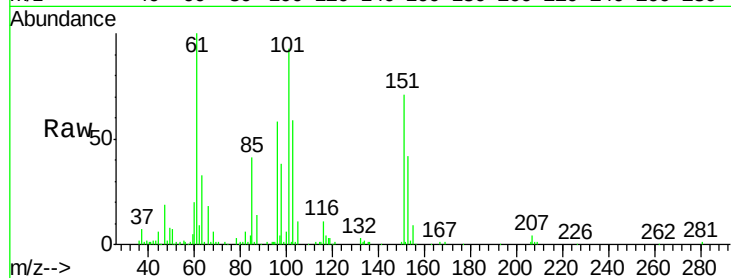
Tot Ion:101 Resp: 103817

Ion Ratio Lower Upper

101 100

85 44.1 35.0 52.4

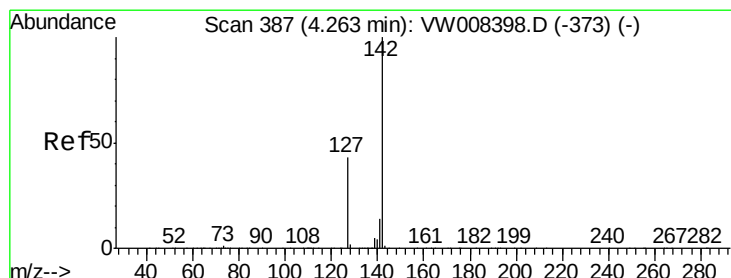
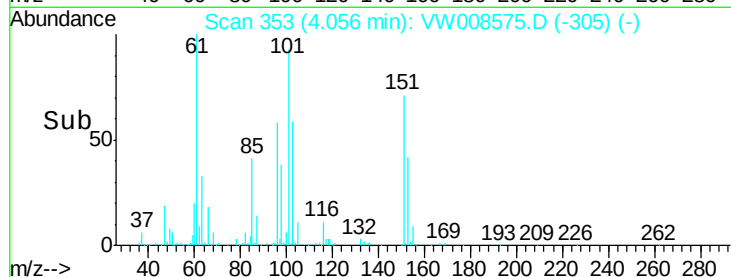
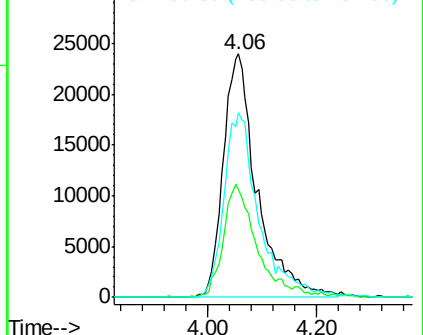
151 76.7 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.916 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

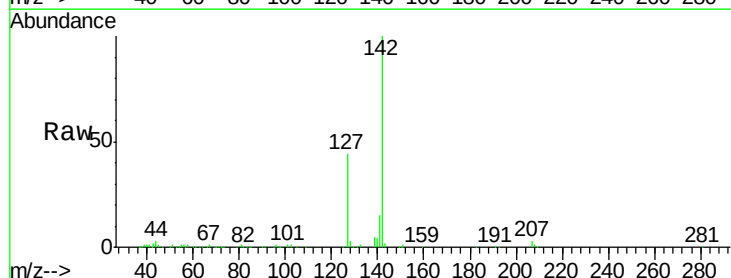
Tgt Ion:142 Resp: 157979

Ion Ratio Lower Upper

142 100

127 44.6 34.6 52.0

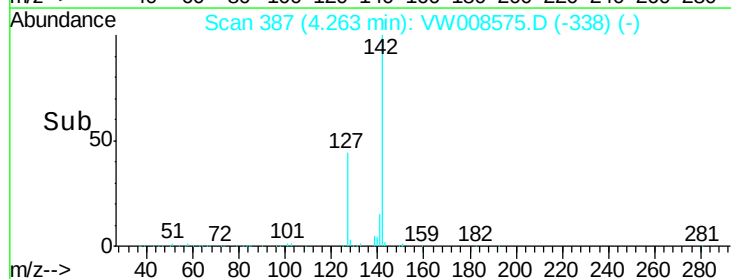
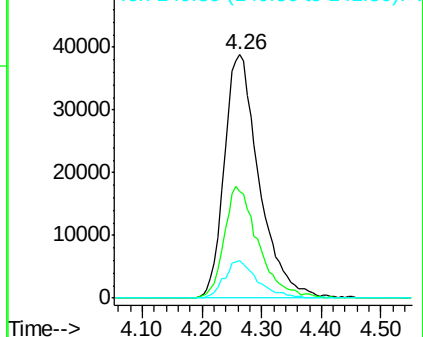
141 14.9 11.4 17.2

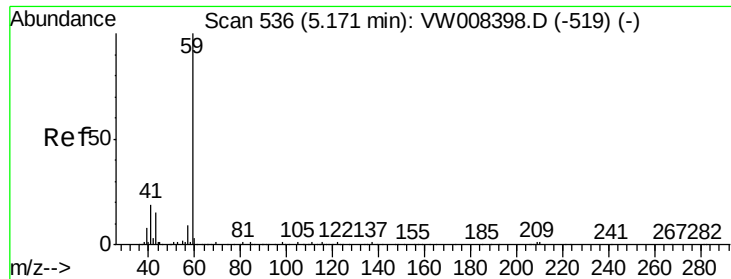


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

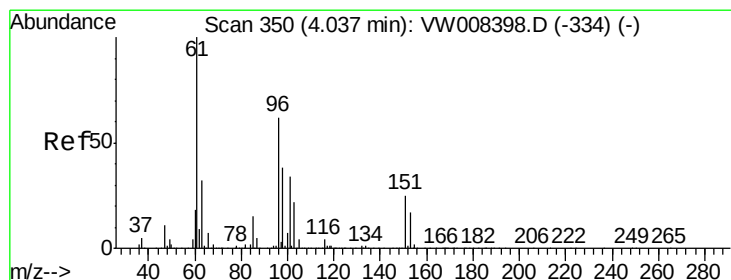
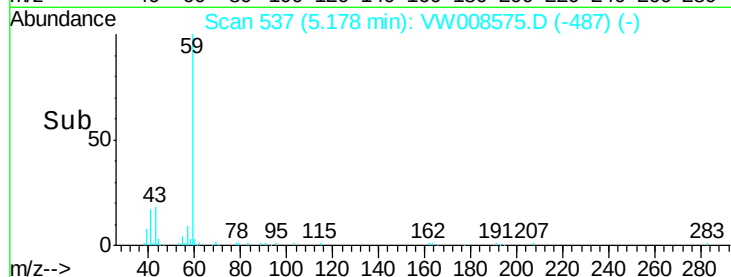
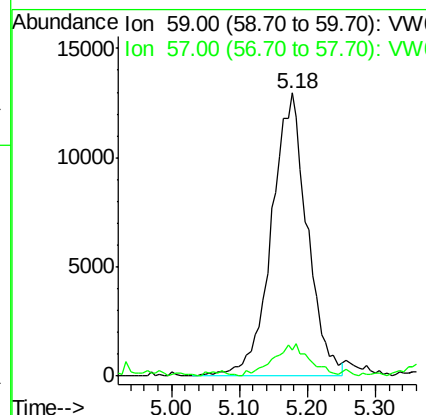
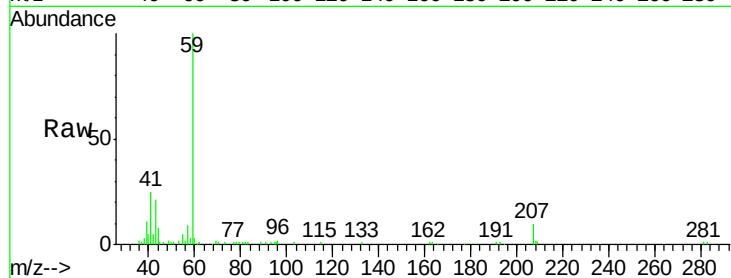




#11
Tert butyl alcohol
Concen: 113.360 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

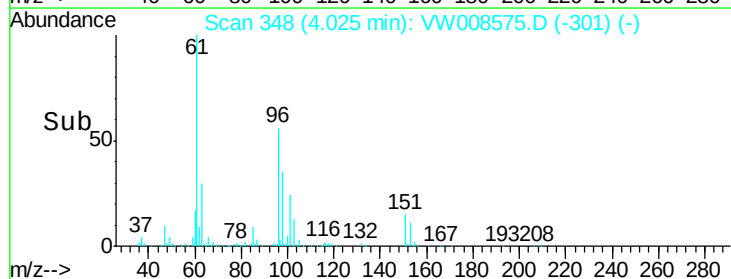
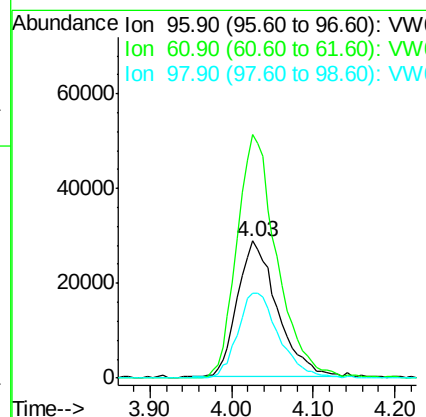
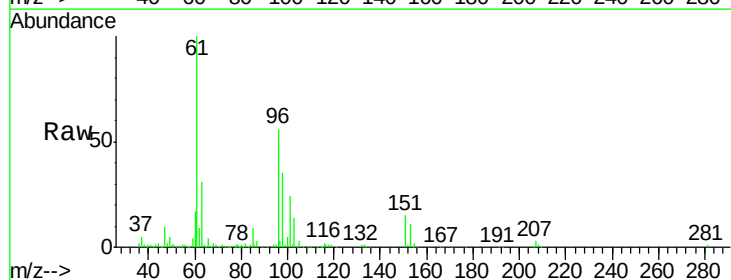
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

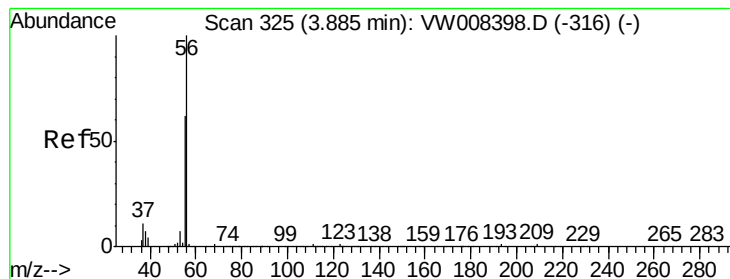
Tot Ion: 59 Resp: 47404
Ion Ratio Lower Upper
59 100
57 11.6 9.3 13.9



#12
1,1-Dichloroethene
Concen: 20.136 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 96 Resp: 97442
Ion Ratio Lower Upper
96 100
61 179.4 129.5 194.3
98 62.5 48.6 73.0





#13

Acrolein

Concen: 101.187 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

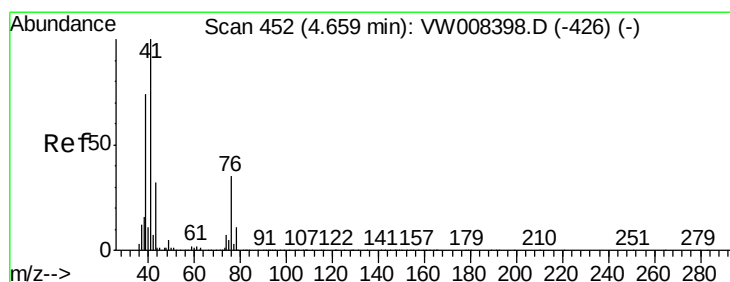
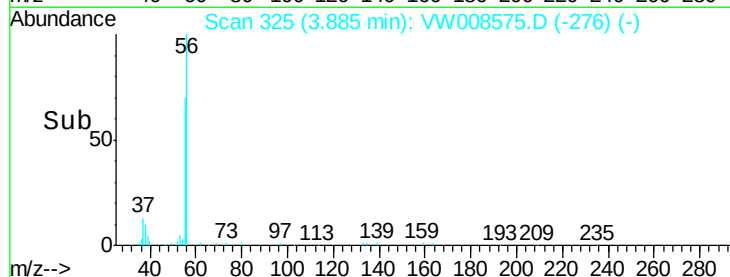
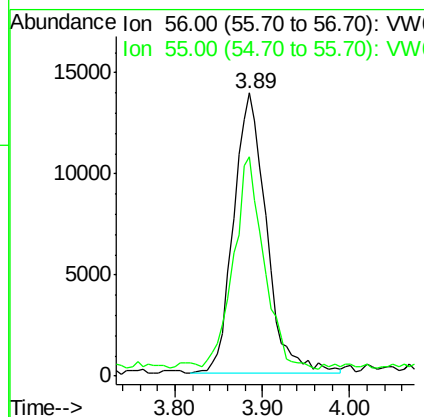
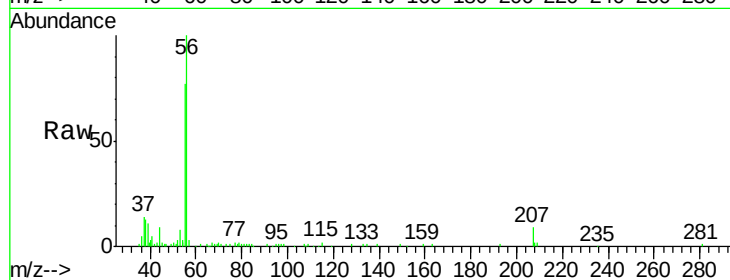
VW0208SBSD01

Tot Ion: 56 Resp: 36398

Ion Ratio Lower Upper

56 100

55 69.7 56.7 85.1



#14

Allyl chloride

Concen: 20.421 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

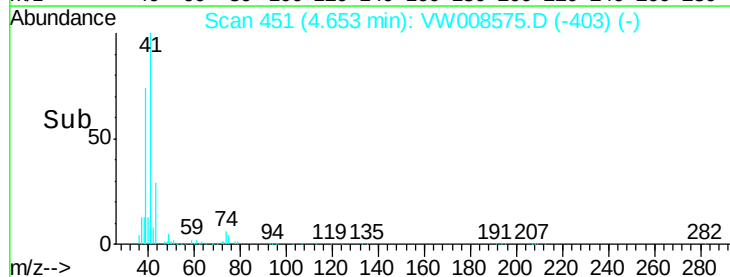
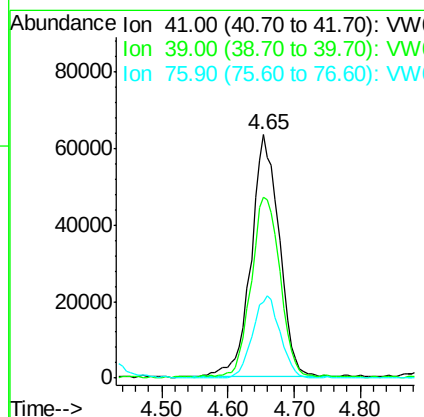
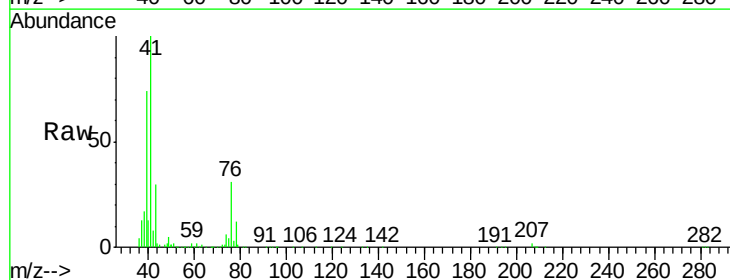
Tgt Ion: 41 Resp: 187657

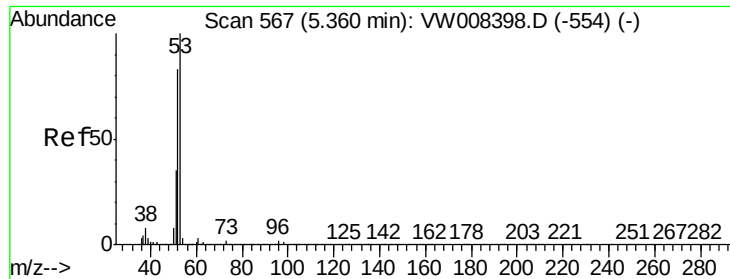
Ion Ratio Lower Upper

41 100

39 75.2 57.7 86.5

76 32.8 26.9 40.3





#15

Acrylonitrile

Concen: 115.841 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

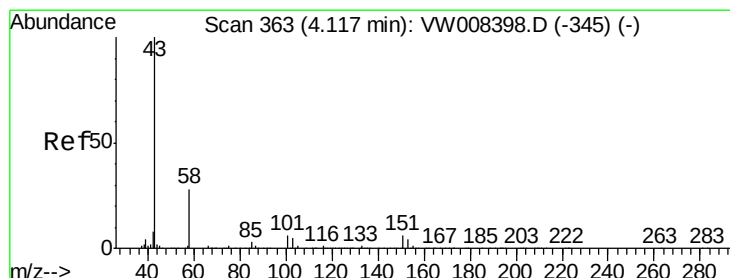
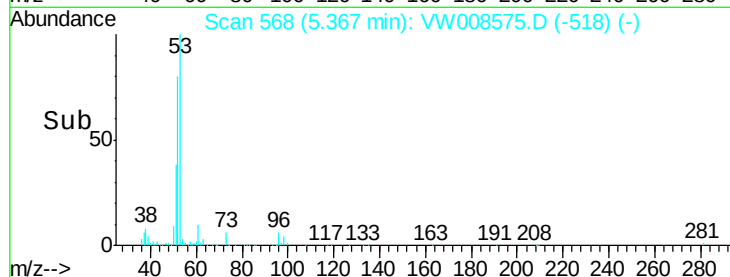
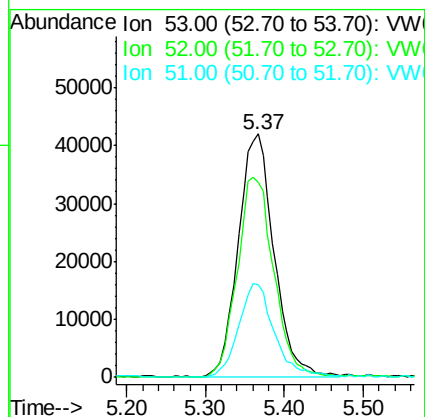
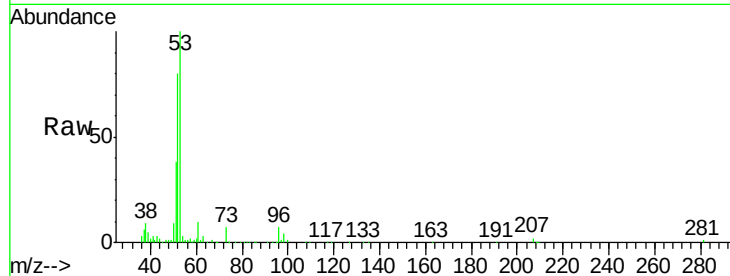
Tot Ion: 53 Resp: 131886

Ion Ratio Lower Upper

53 100

52 84.2 67.0 100.4

51 38.8 29.8 44.8



#16

Acetone

Concen: 116.202 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008575.D

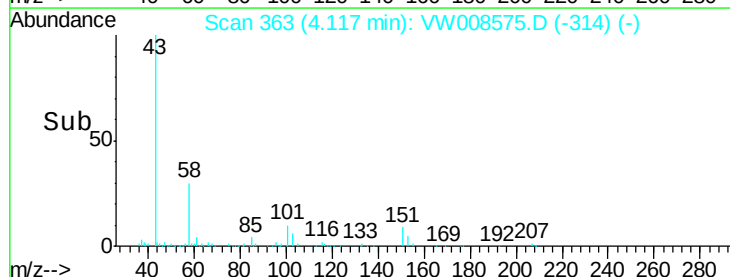
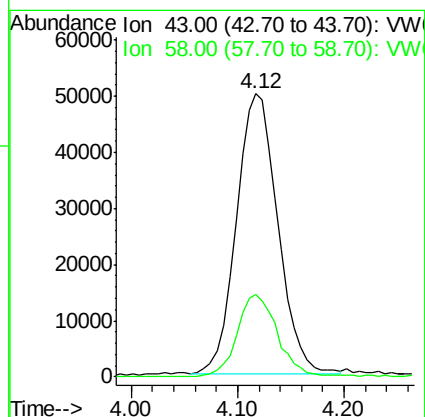
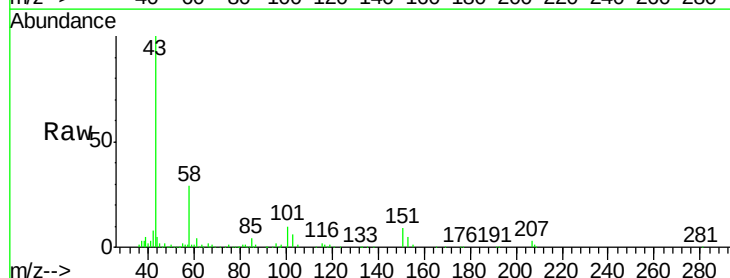
Acq: 08 Feb 2019 15:41

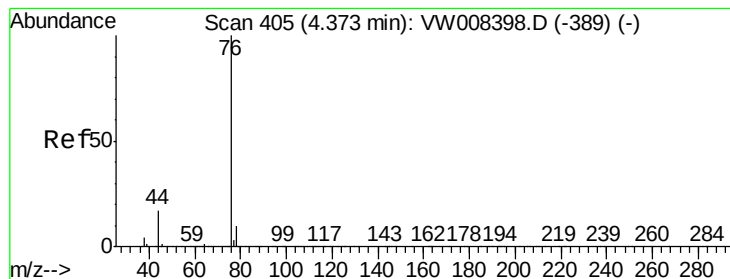
Tgt Ion: 43 Resp: 135536

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0





#17

Carbon Disulfide

Concen: 18.550 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

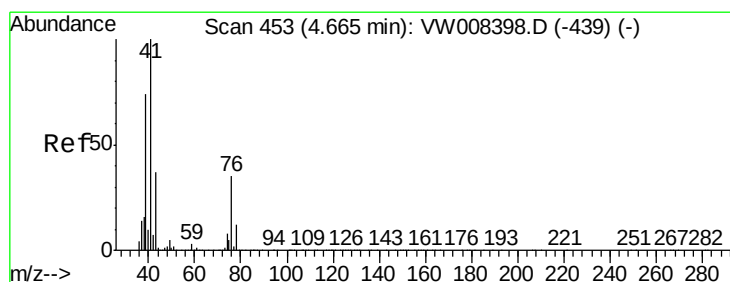
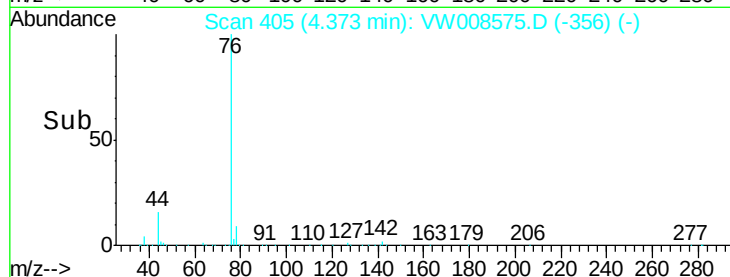
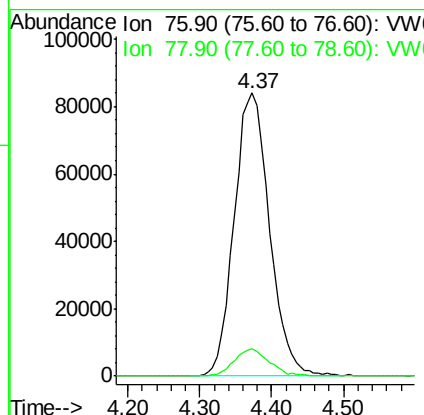
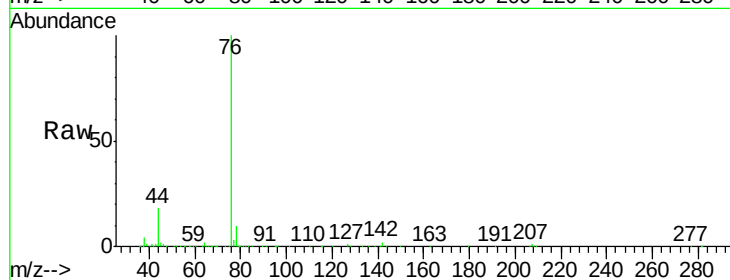
VW0208SBSD01

Tot Ion: 76 Resp: 286704

Ion Ratio Lower Upper

76 100

78 9.5 7.7 11.5



#18

Methyl Acetate

Concen: 23.229 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008575.D

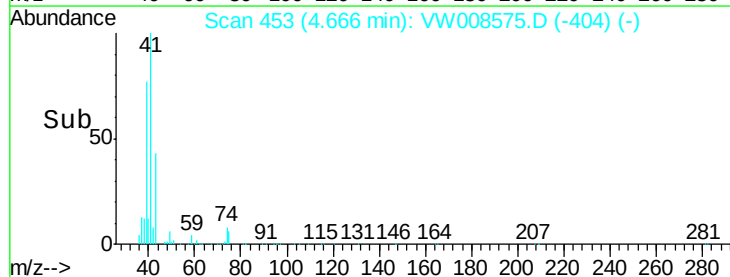
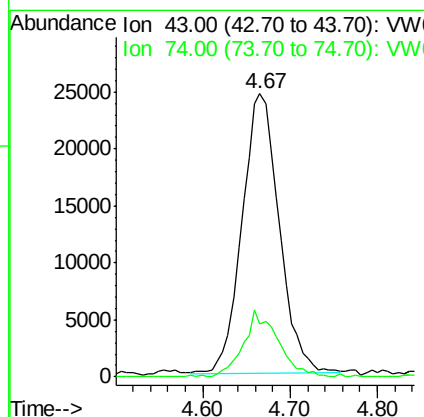
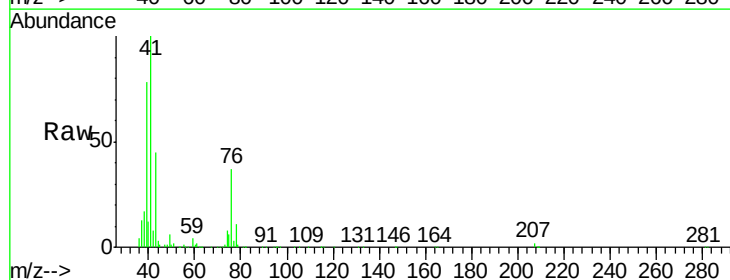
Acq: 08 Feb 2019 15:41

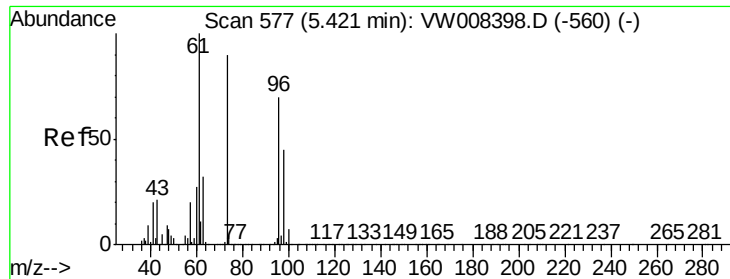
Tgt Ion: 43 Resp: 72265

Ion Ratio Lower Upper

43 100

74 21.8 17.5 26.3

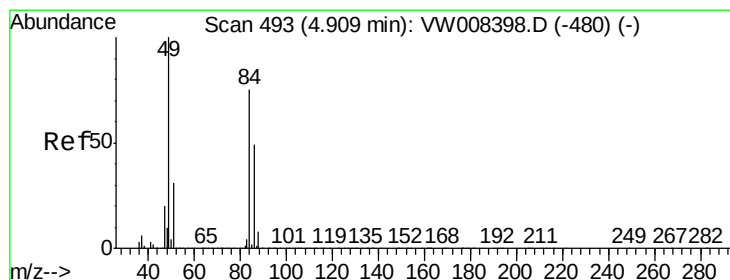
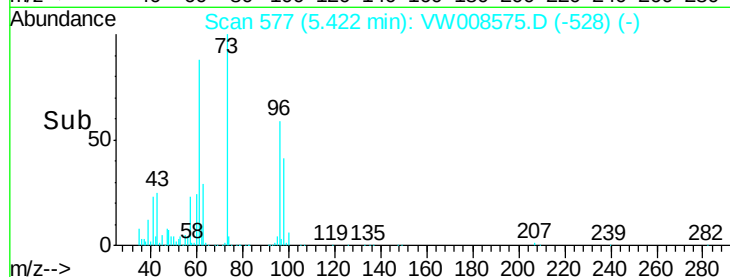
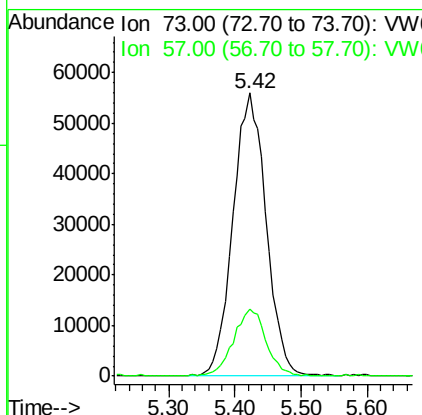
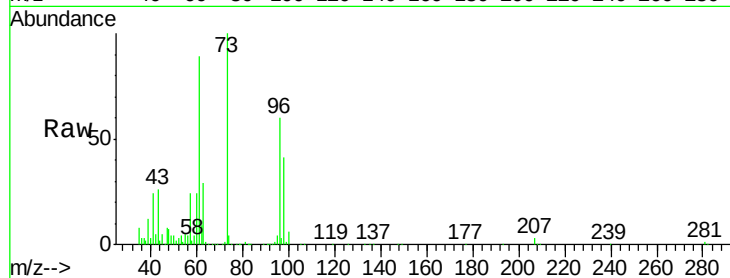




#19
Methyl tert-butyl Ether
Concen: 24.175 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

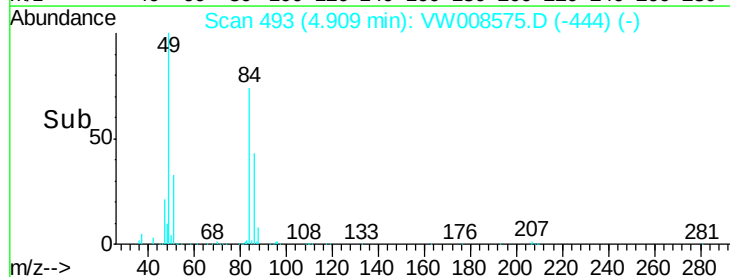
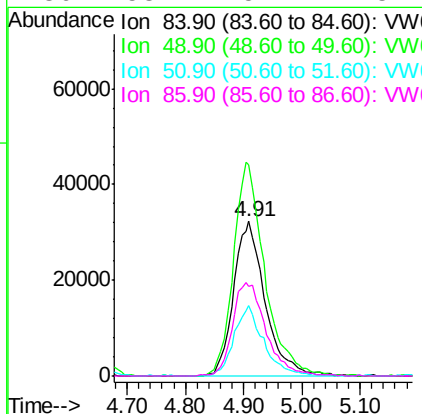
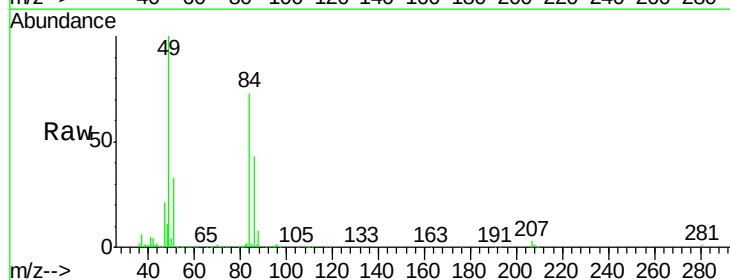
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

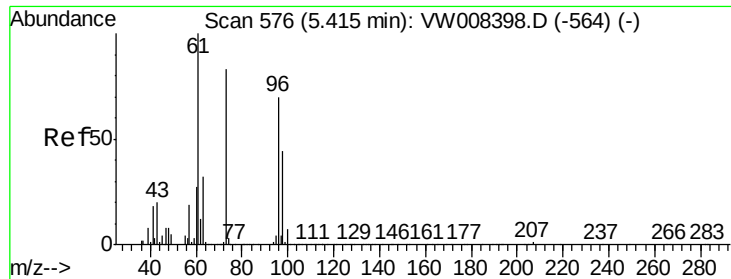
Tot Ion: 73 Resp: 193563
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0



#20
Methylene Chloride
Concen: 22.527 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 84 Resp: 121103
Ion Ratio Lower Upper
84 100
49 136.3 106.8 160.2
51 45.2 32.9 49.3
86 58.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 20.817 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

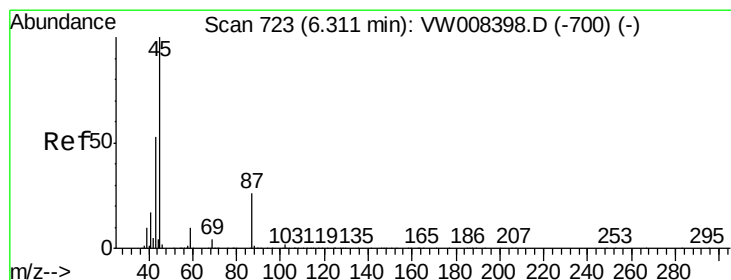
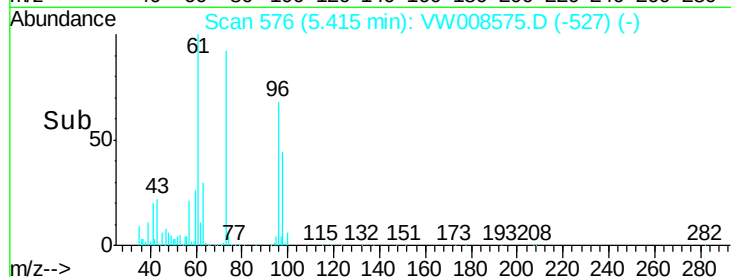
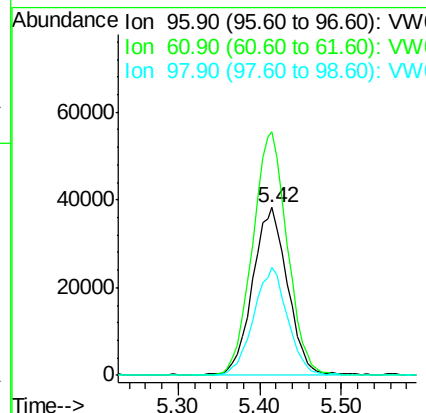
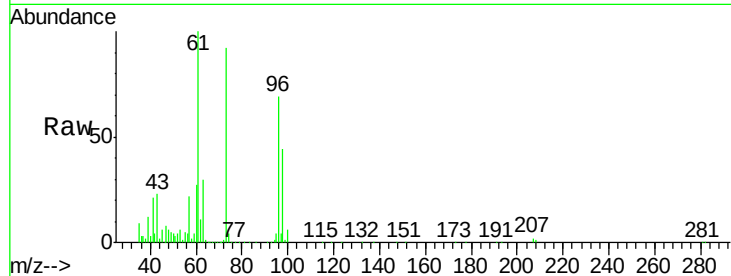
Tot Ion: 96 Resp: 113254

Ion Ratio Lower Upper

96 100

61 145.5 114.4 171.6

98 64.1 50.6 75.8



#22

Diisopropyl ether

Concen: 21.920 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Tgt Ion: 45 Resp: 381760

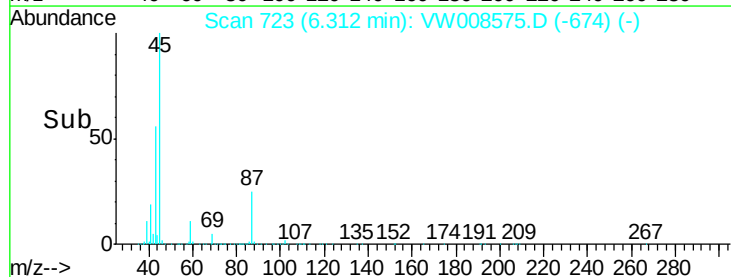
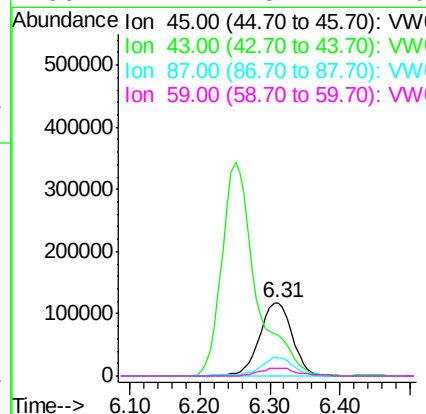
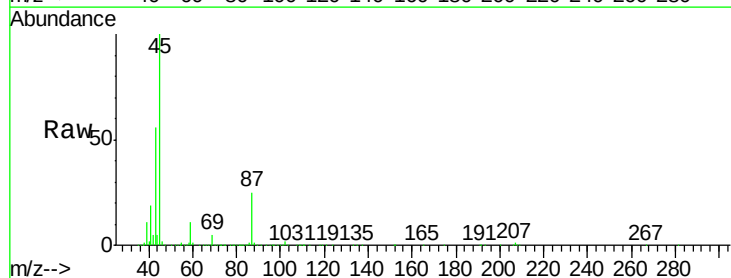
Ion Ratio Lower Upper

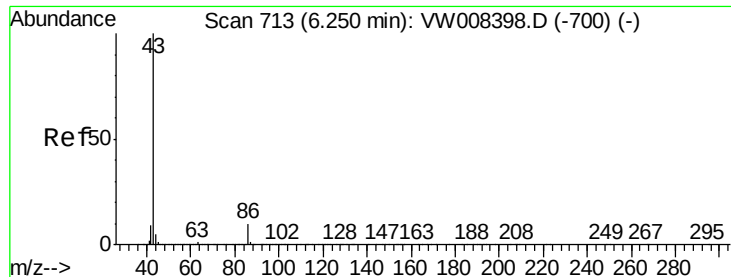
45 100

43 55.7 42.6 63.8

87 25.1 20.3 30.5

59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 112.271 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

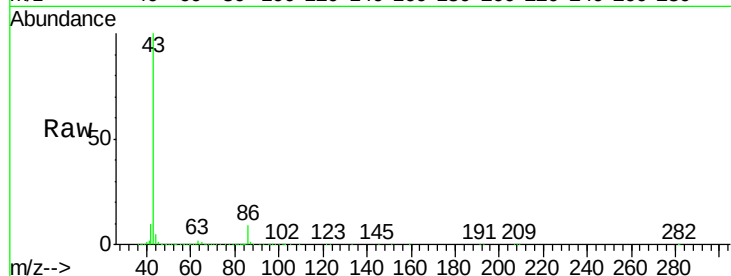
MSVOA_W

ClientSampleId :

VW0208SBSD01

Tot Ion: 43 Resp: 1154567

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.8	11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

400000

300000

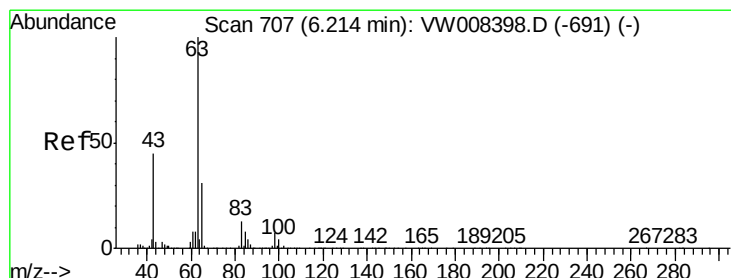
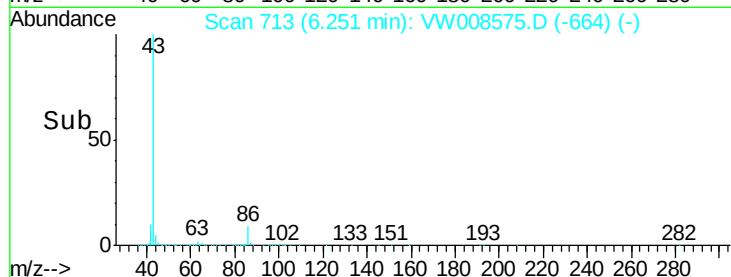
200000

100000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 21.251 ug/l

RT: 6.21 min Scan# 706

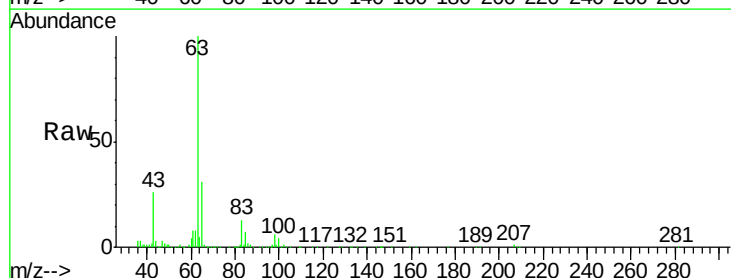
Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Tgt Ion: 63 Resp: 209495

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.5	10.5
100	4.3	2.1	6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

60000

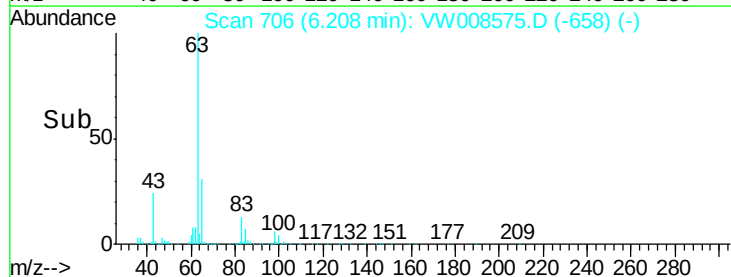
40000

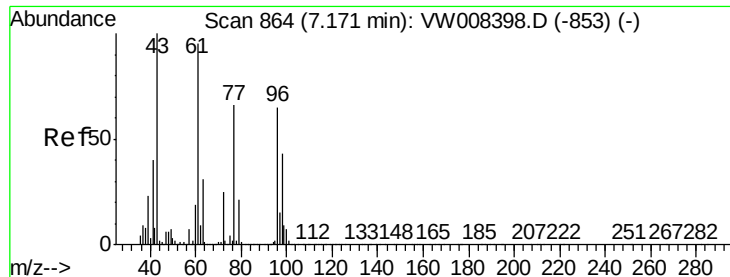
20000

0

6.00 6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 116.717 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

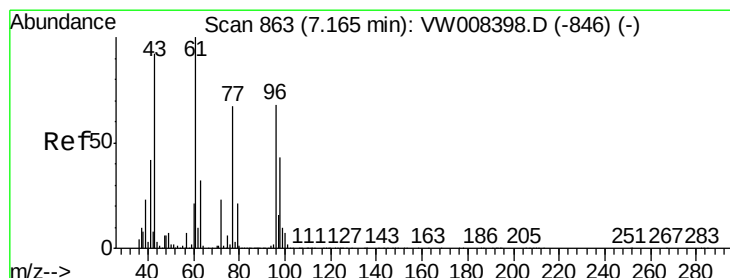
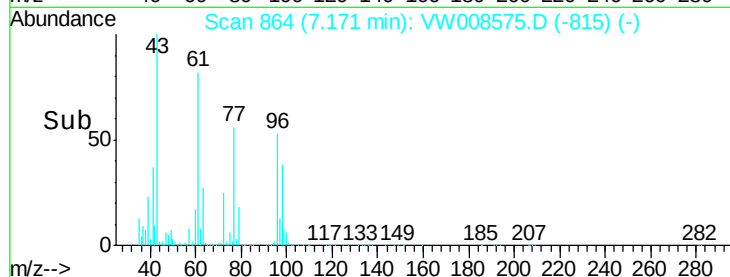
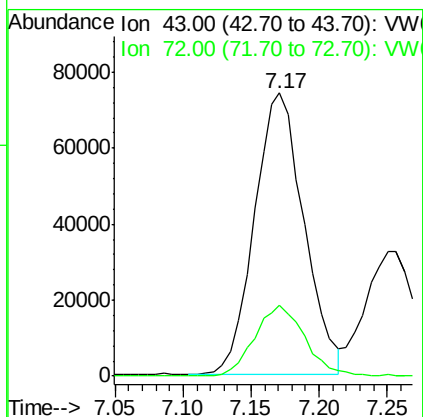
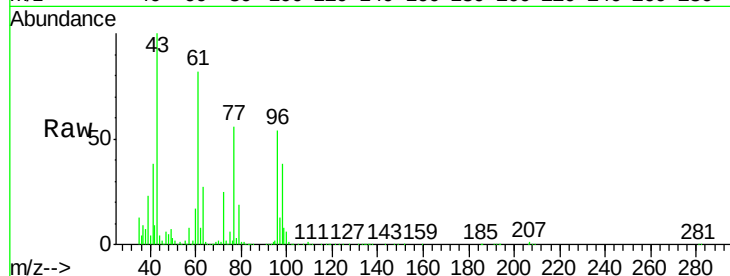
VW0208SBSD01

Tot Ion: 43 Resp: 189091

Ion Ratio Lower Upper

43 100

72 25.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 20.983 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008575.D

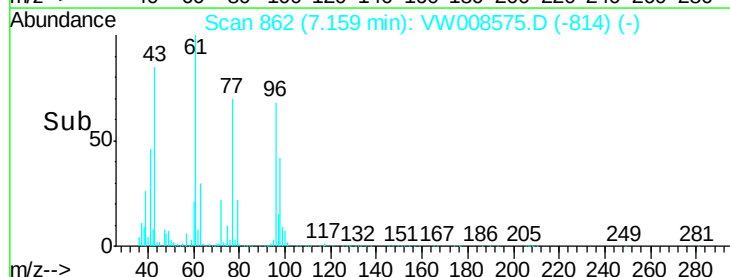
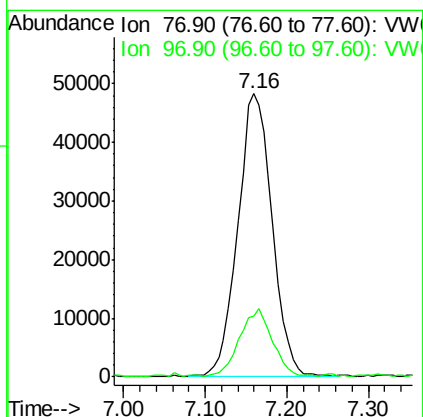
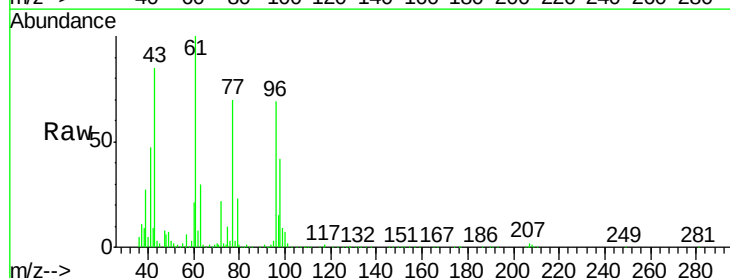
Acq: 08 Feb 2019 15:41

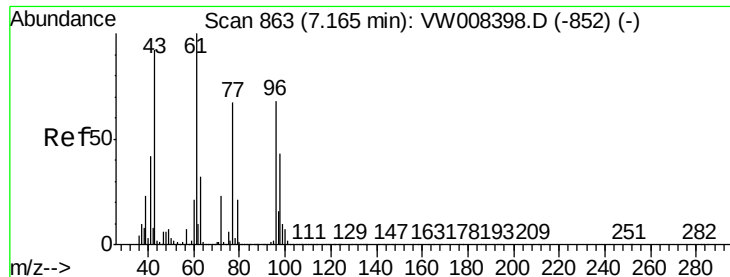
Tgt Ion: 77 Resp: 139820

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.5



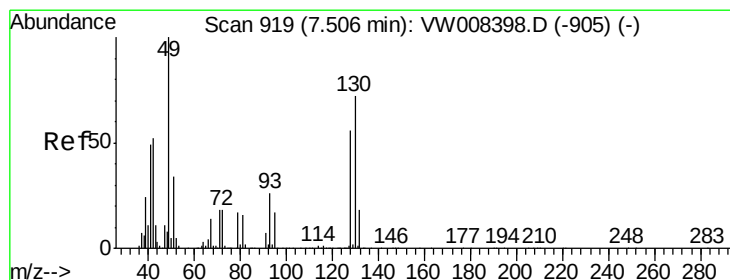
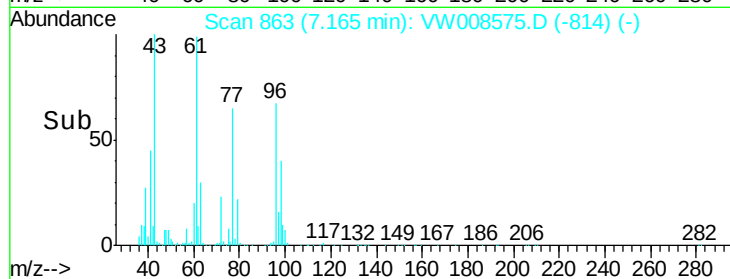
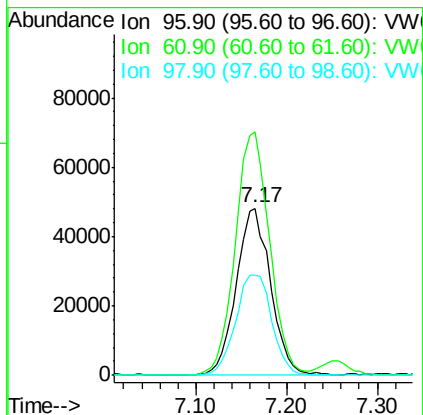
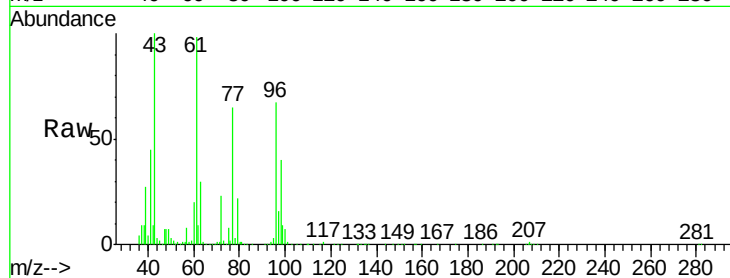


#27

cis-1,2-Dichloroethene
Concen: 21.201 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

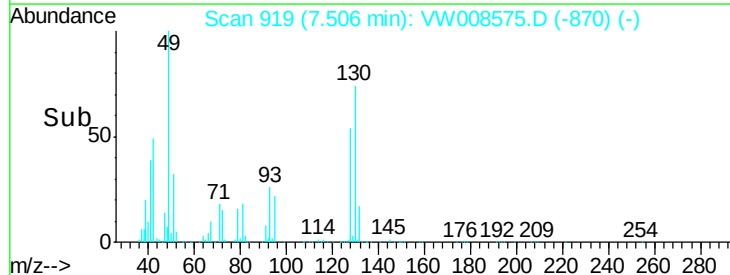
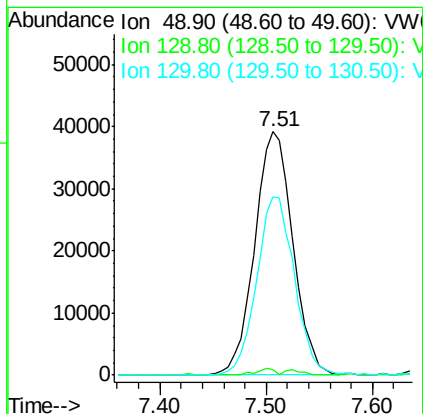
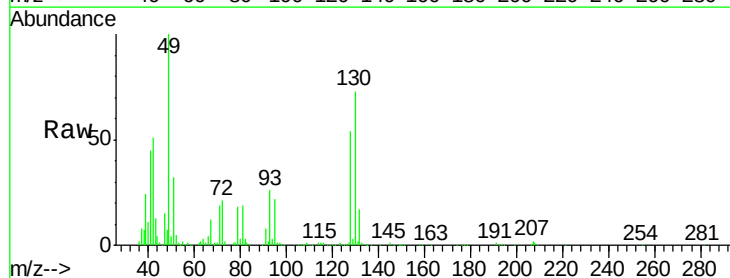
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	292.8
98	63.7	0.0	129.2

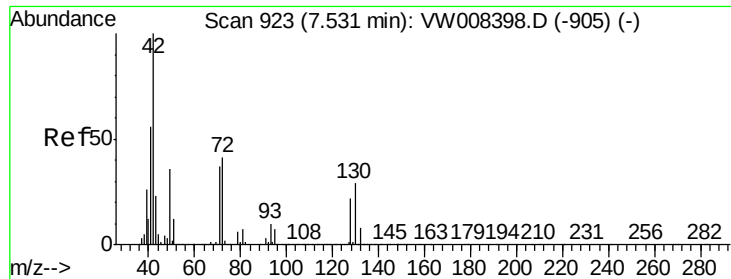


#28

Bromochloromethane
Concen: 21.726 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	72.7	58.6	87.8





#29

Tetrahydrofuran

Concen: 115.782 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

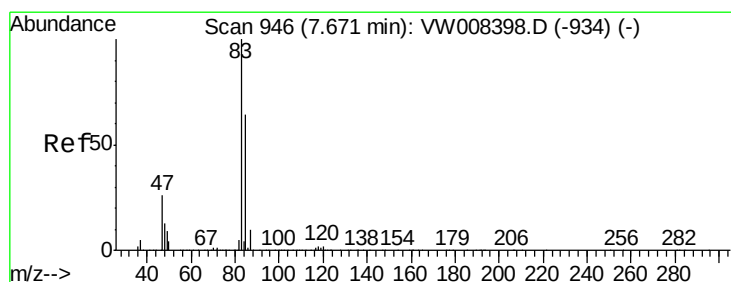
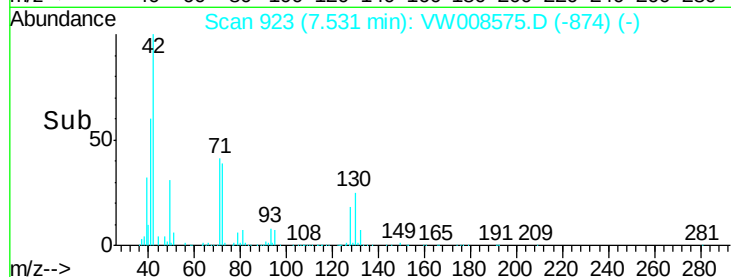
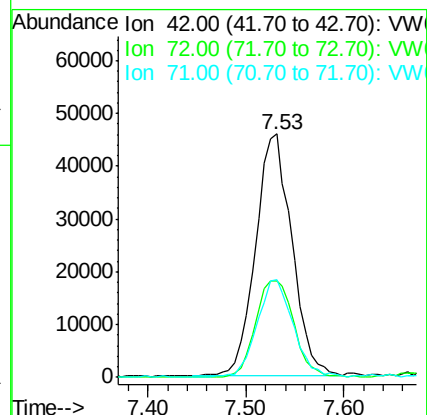
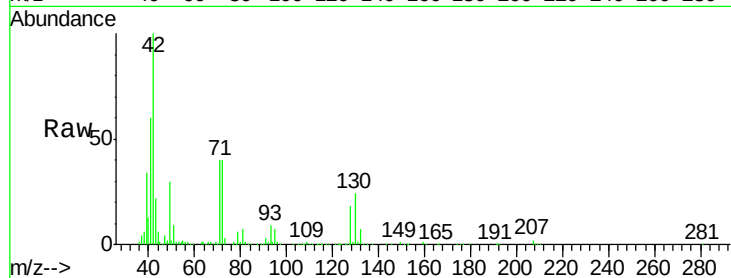
Tot Ion: 42 Resp: 118867

Ion Ratio Lower Upper

42 100

72 42.1 31.9 47.9

71 39.5 29.9 44.9



#30

Chloroform

Concen: 21.936 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008575.D

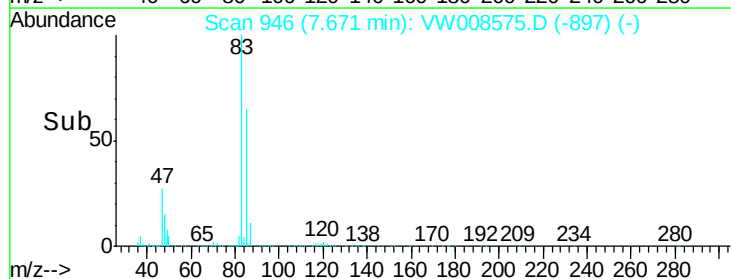
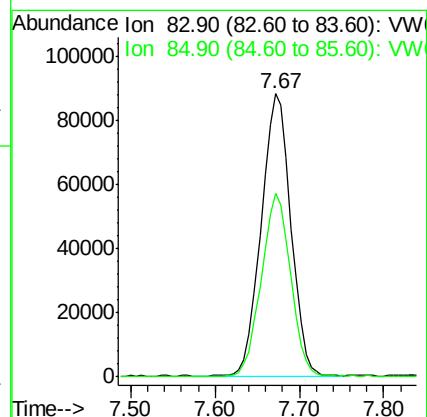
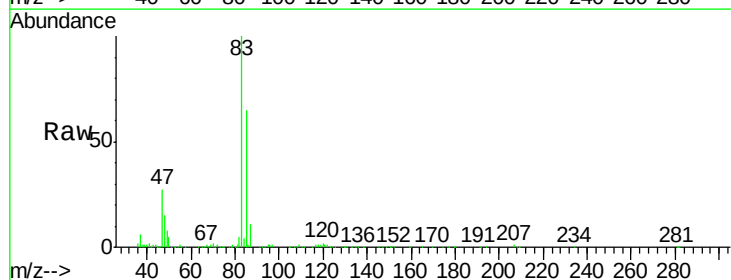
Acq: 08 Feb 2019 15:41

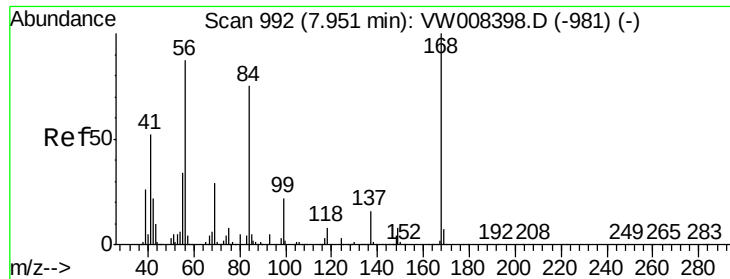
Tgt Ion: 83 Resp: 212703

Ion Ratio Lower Upper

83 100

85 64.7 50.9 76.3

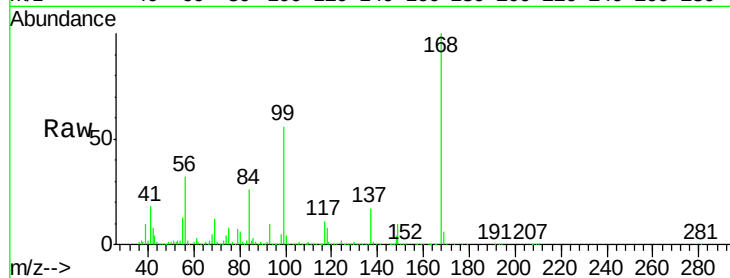




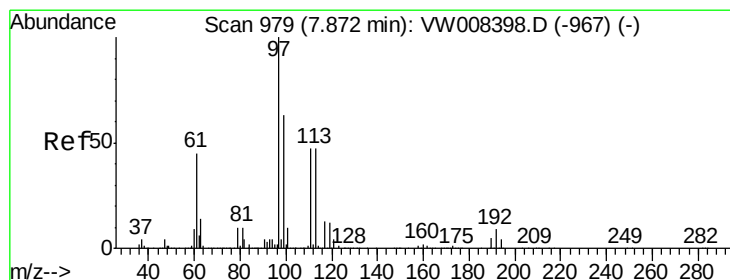
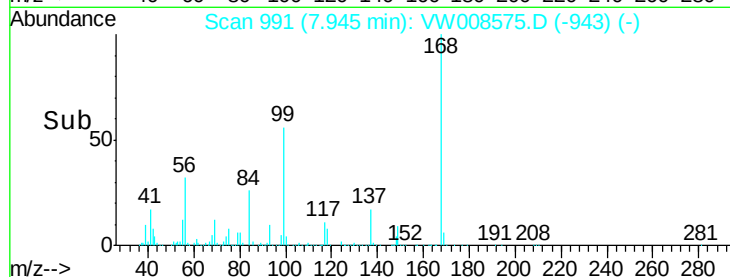
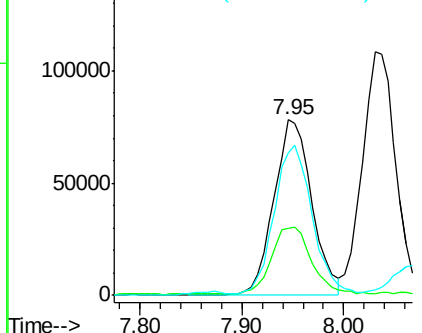
#31
Cyclohexane
Concen: 19.749 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion	56	Resp	201311
Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.4	39.6
84	80.5	69.1	103.7

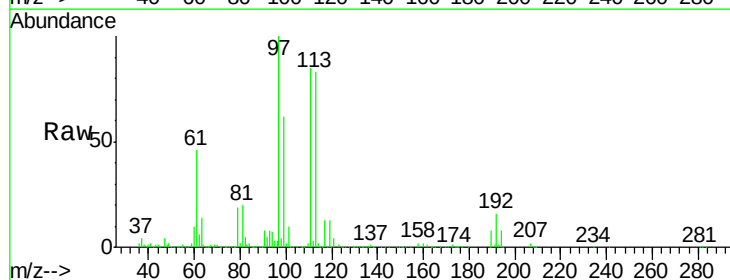


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

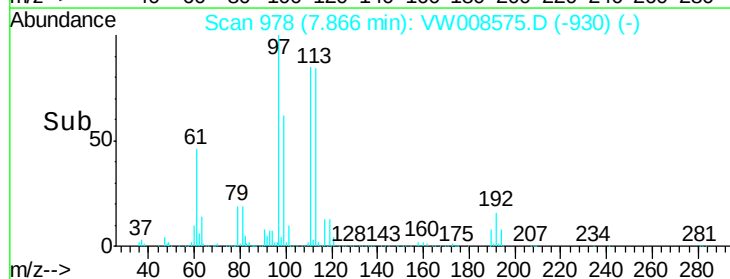
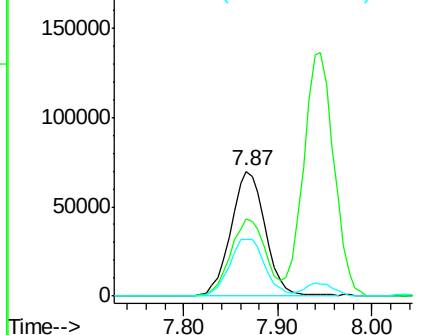


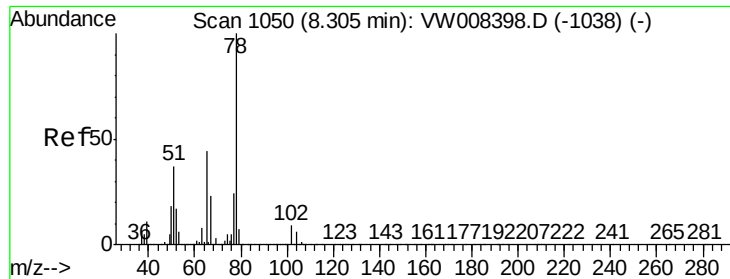
#32
1,1,1-Trichloroethane
Concen: 20.712 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion	97	Resp	173466
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	48.4	36.2	54.4



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

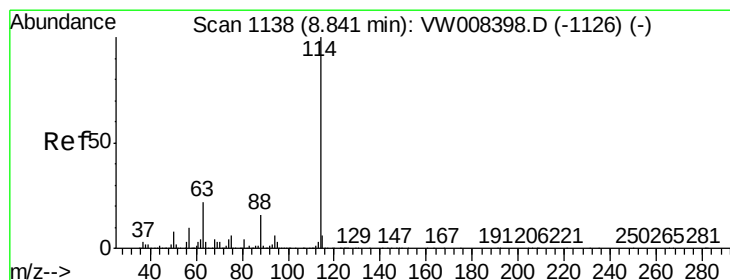
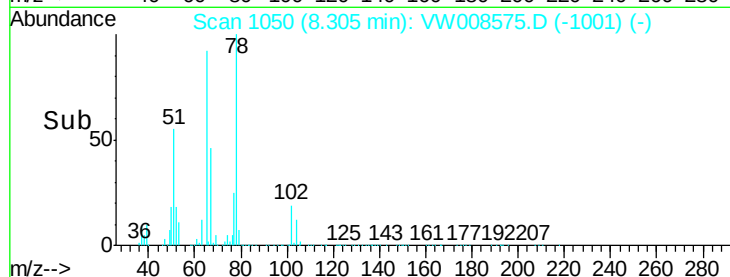
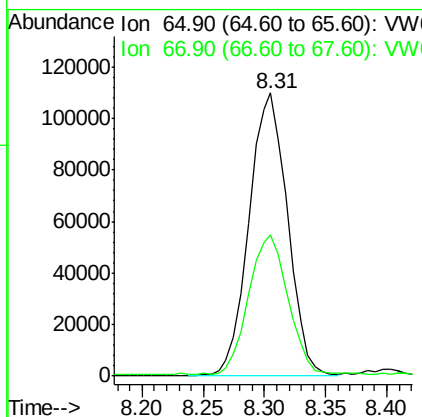
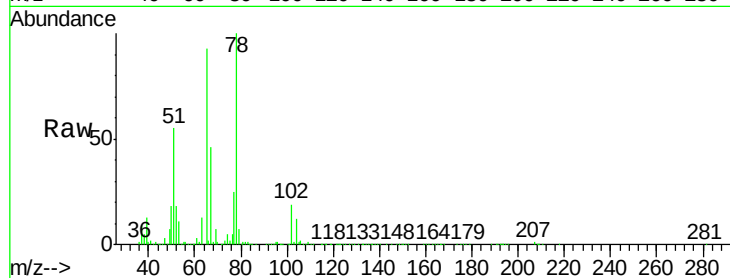




#33
 1,2-Dichloroethane-d4
 Concen: 46.176 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

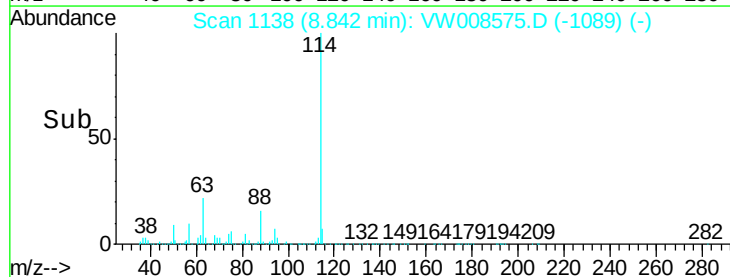
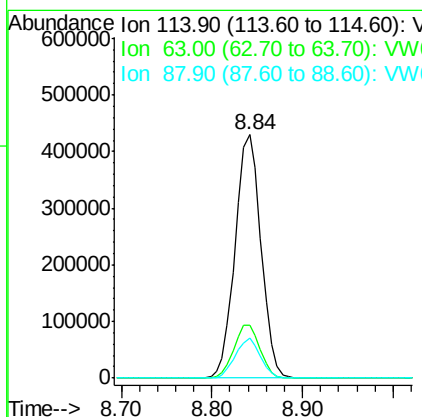
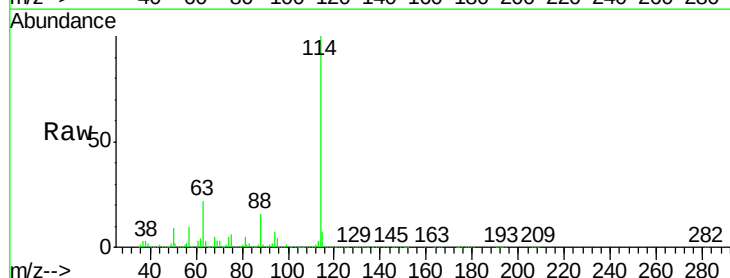
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

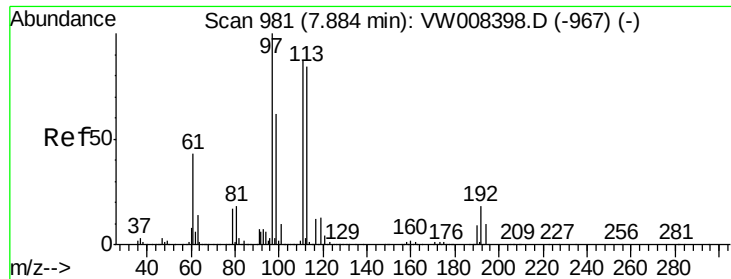
Tot Ion: 65 Resp: 239835
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion: 114 Resp: 850444
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 43.6
 88 16.4 0.0 31.8

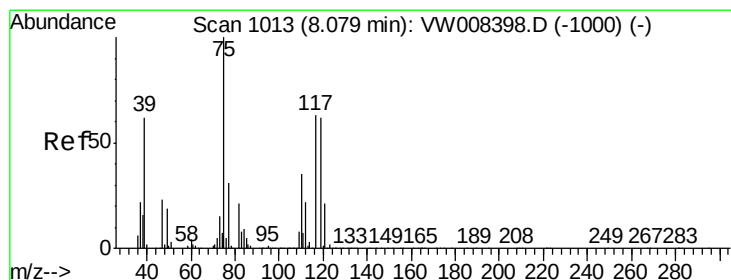
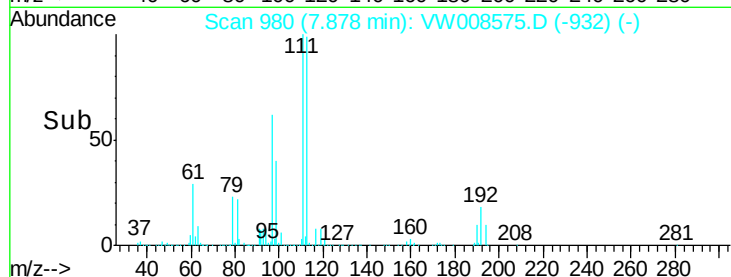
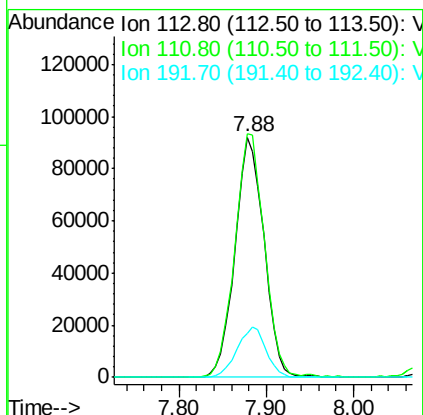
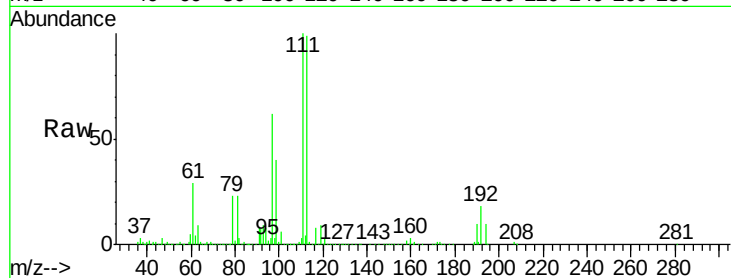




#35
 Dibromofluoromethane
 Concen: 42.731 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

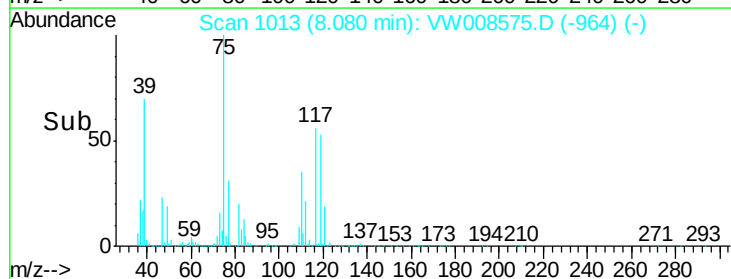
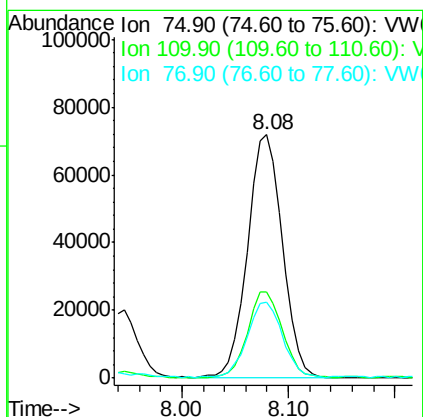
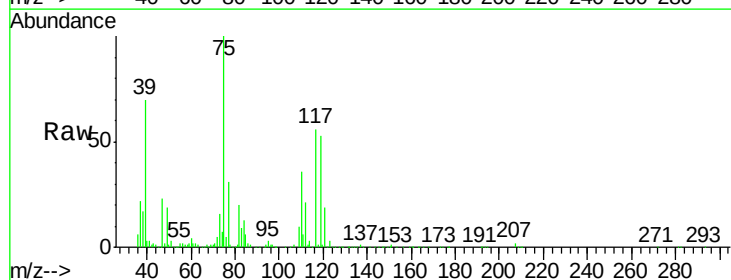
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

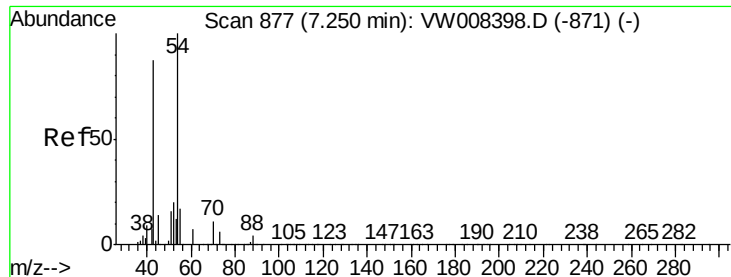
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.4
192	21.0	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 20.533 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.3	52.0
77	31.2	24.7	37.1

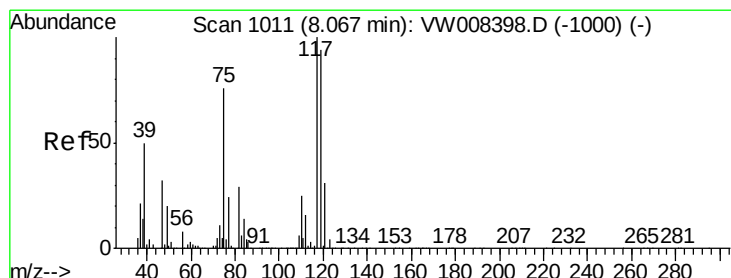
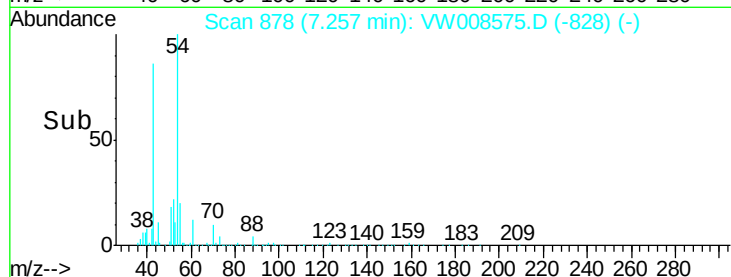
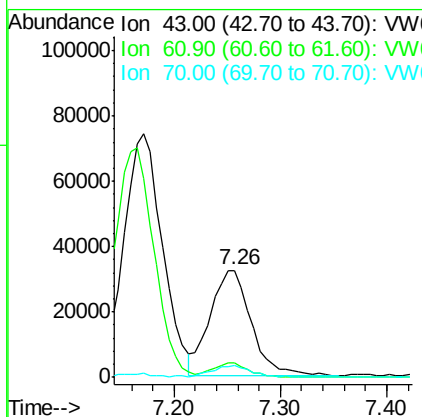
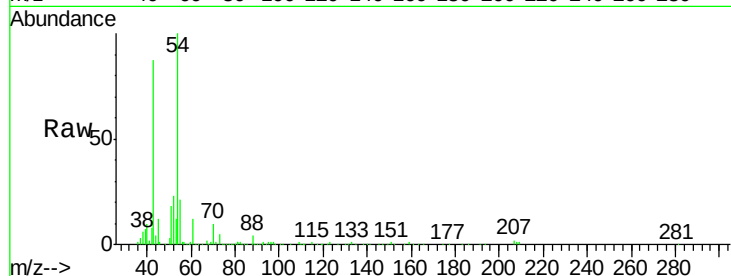




#37
Ethyl Acetate
Concen: 24.185 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

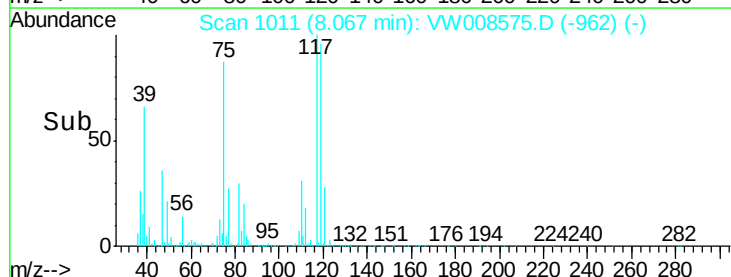
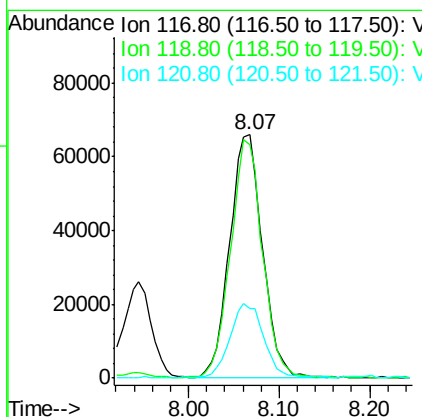
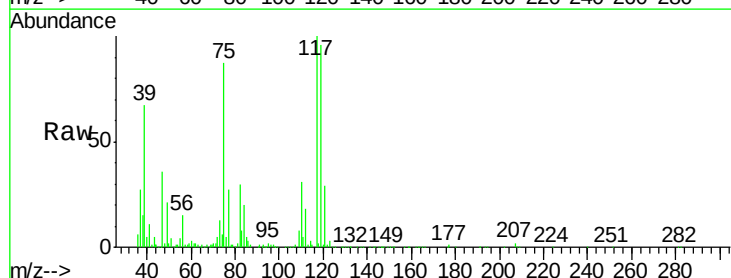
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

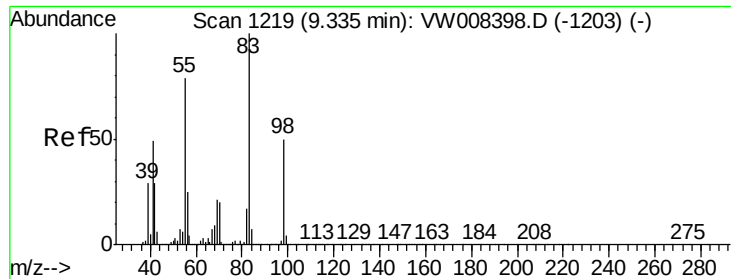
Tot Ion: 43 Resp: 85959
Ion Ratio Lower Upper
43 100
61 12.0 10.1 15.1
70 10.6 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.427 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 117 Resp: 165134
Ion Ratio Lower Upper
117 100
119 95.9 75.0 112.4
121 28.5 24.9 37.3

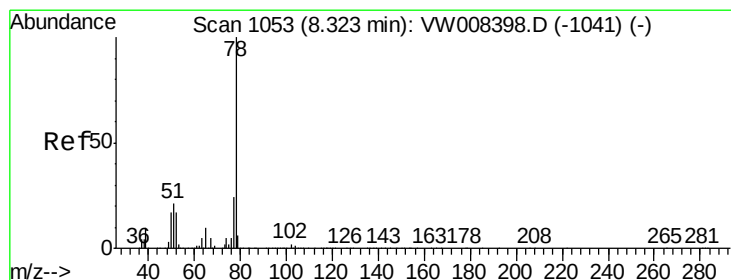
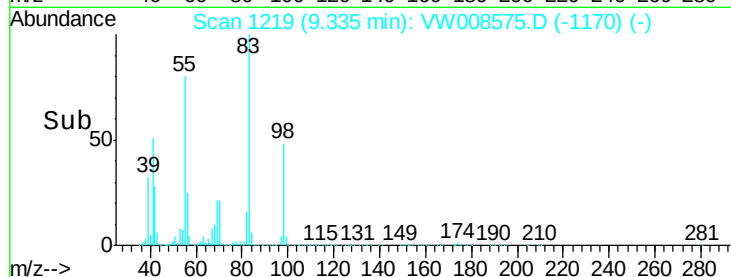
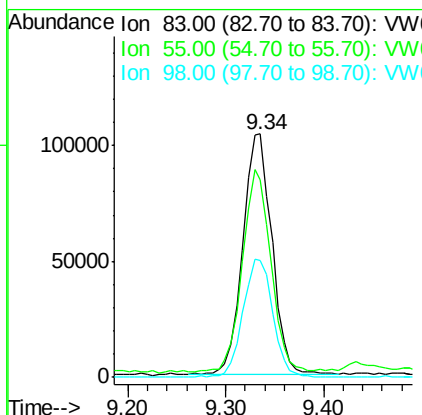
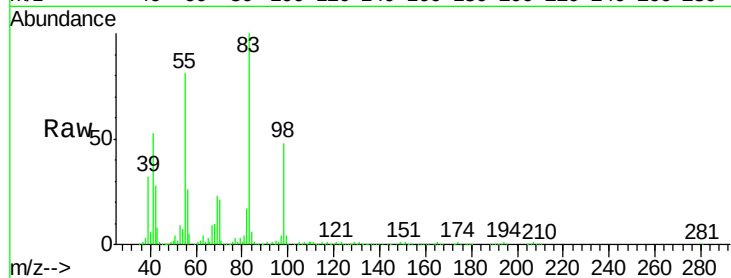




#39
Methylvlcyclohexane
Concen: 20.484 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

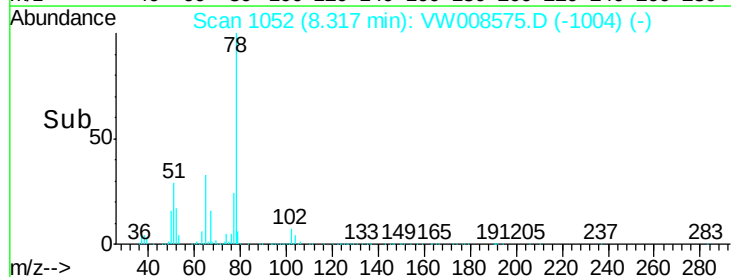
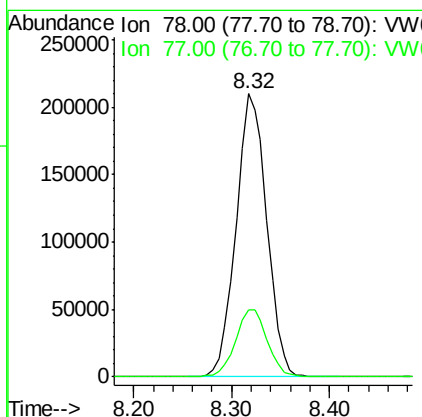
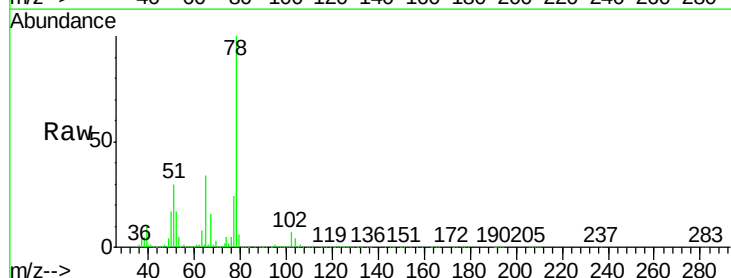
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

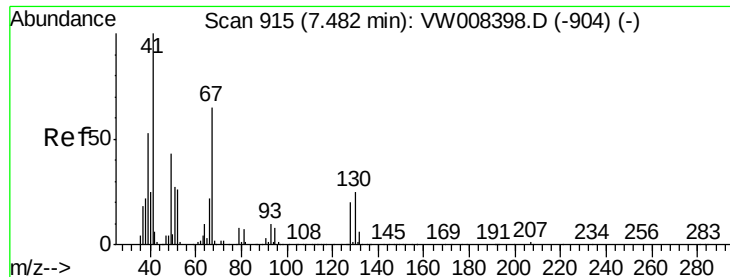
Tot Ion: 83 Resp: 216172
Ion Ratio Lower Upper
83 100
55 79.4 63.3 94.9
98 48.2 39.7 59.5



#40
Benzene
Concen: 20.487 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 78 Resp: 456697
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

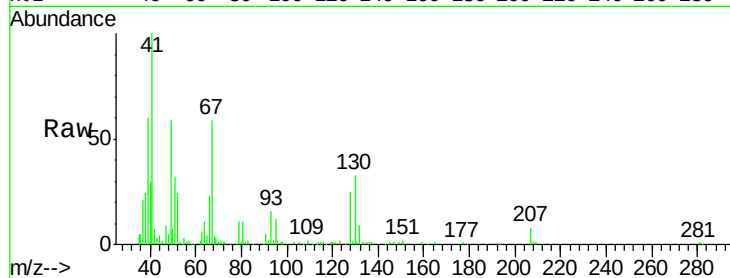




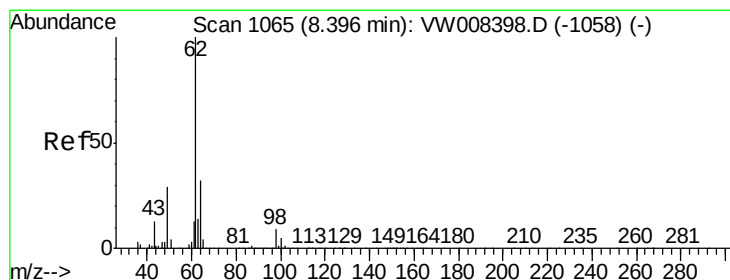
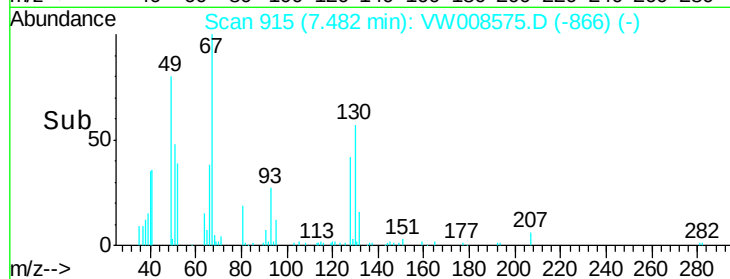
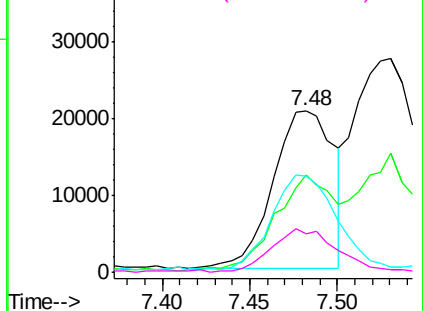
#41
Methacrylonitrile
Concen: 23.397 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion:	41	Resp:	49238
Ion	Ratio	Lower	Upper
41	100		
39	58.5	43.4	65.0
67	66.6	54.2	81.2
52	30.5	22.9	34.3

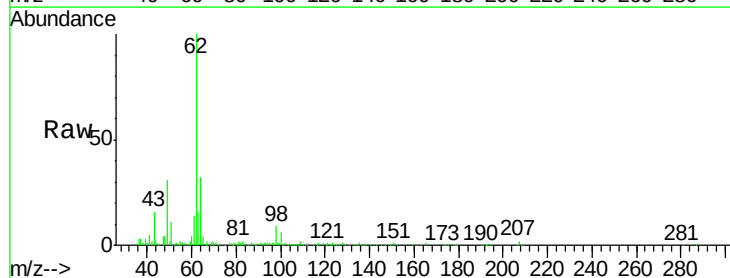


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

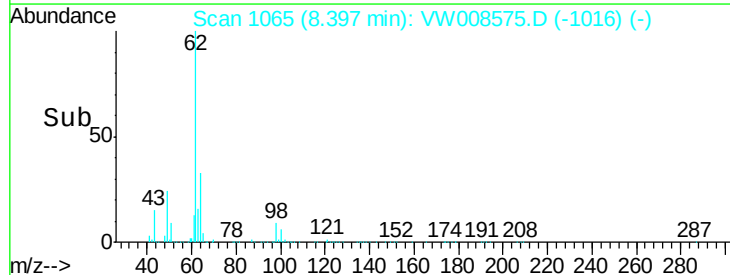
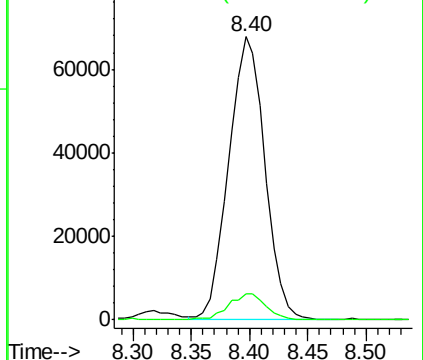


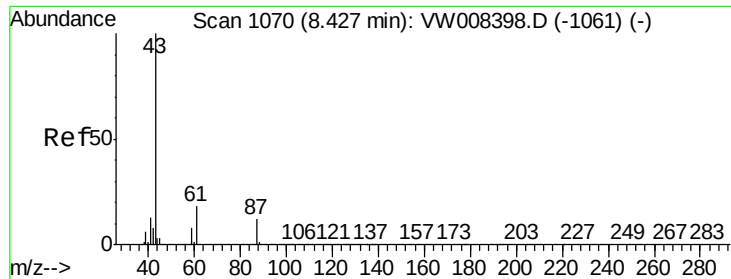
#42
1,2-Dichloroethane
Concen: 22.696 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion:	62	Resp:	146620
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW



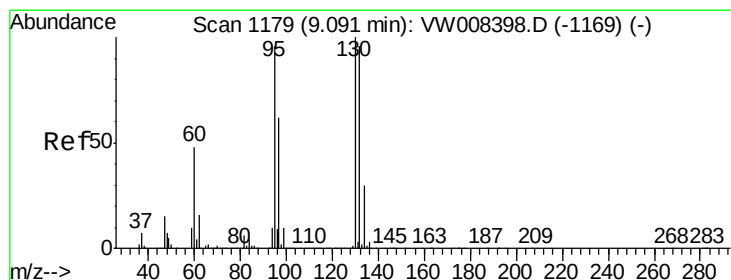
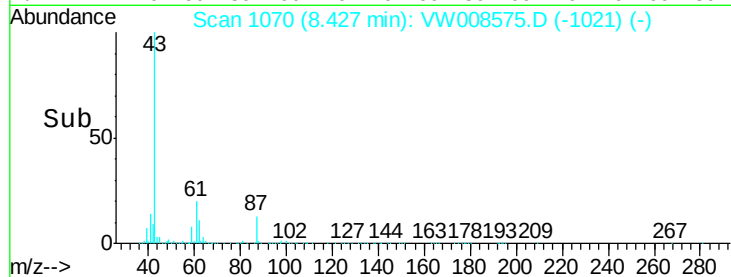
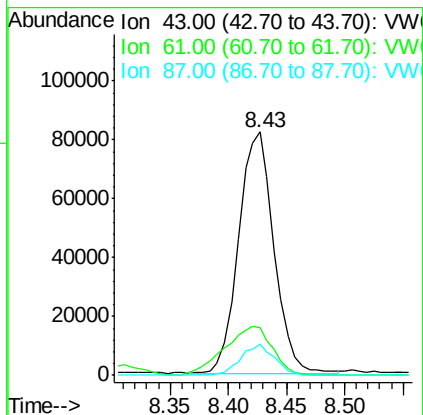
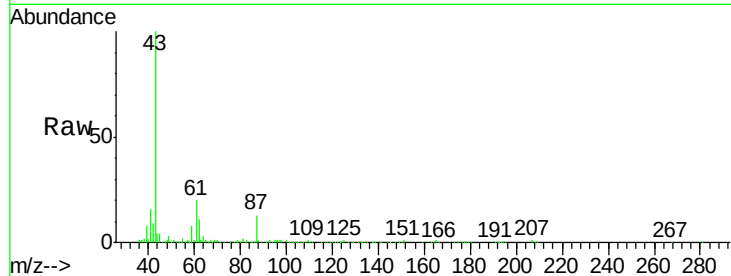


#43

Isopropyl Acetate
 Concen: 23.617 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0208SBS01

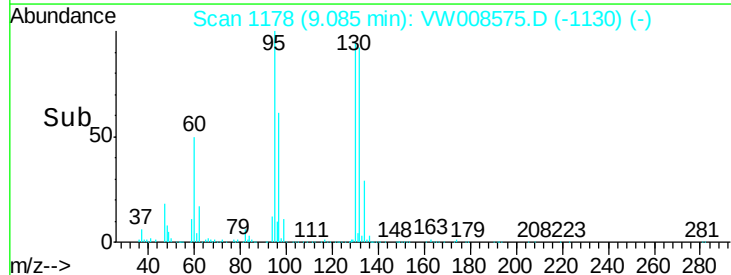
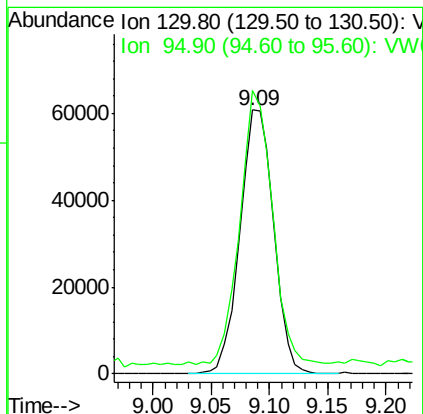
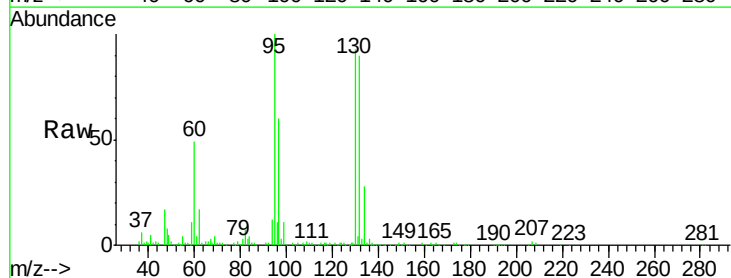
Tot Ion	43	Resp	174389
Ion Ratio	Lower	Upper	
43	100		
61	27.5	22.0	33.0
87	12.3	9.3	13.9

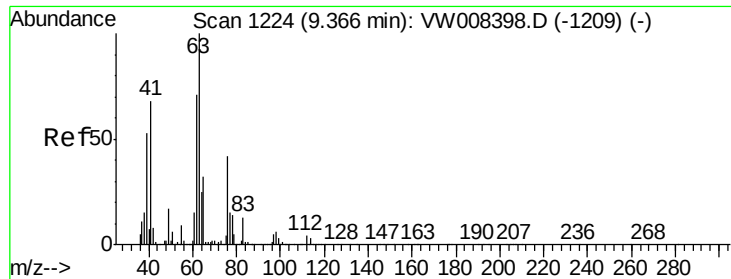


#44

Trichloroethene
 Concen: 20.207 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion	130	Resp	122493
Ion Ratio	Lower	Upper	
130	100		
95	103.0	0.0	191.6





#45

1,2-Dichloropropane

Concen: 21.714 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

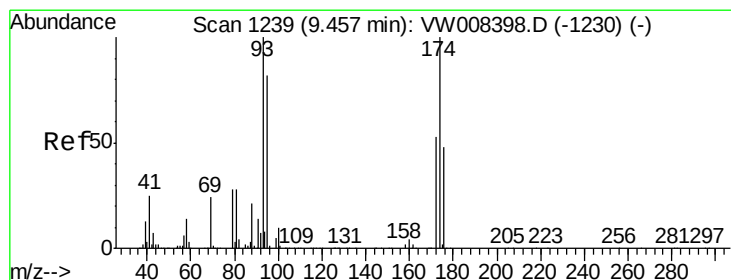
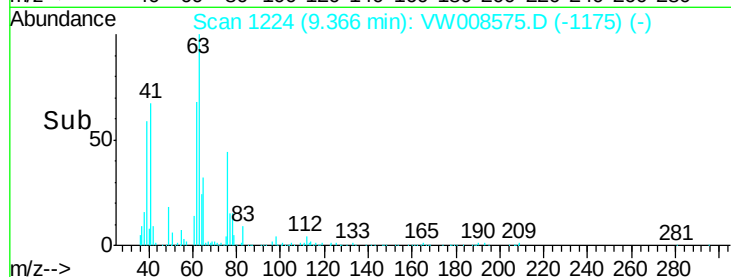
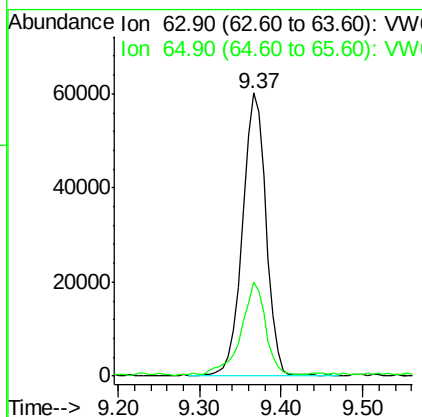
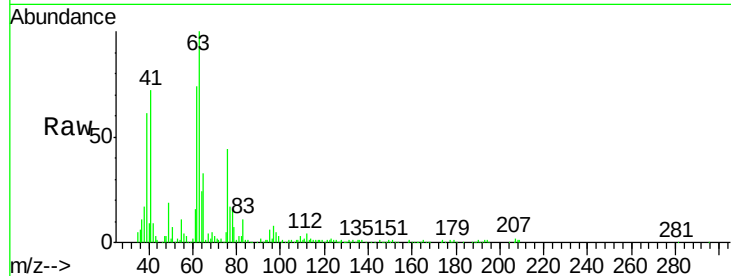
VW0208SBSD01

Tot Ion: 63 Resp: 120689

Ion Ratio Lower Upper

63 100

65 32.4 25.2 37.8



#46

Dibromomethane

Concen: 21.813 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

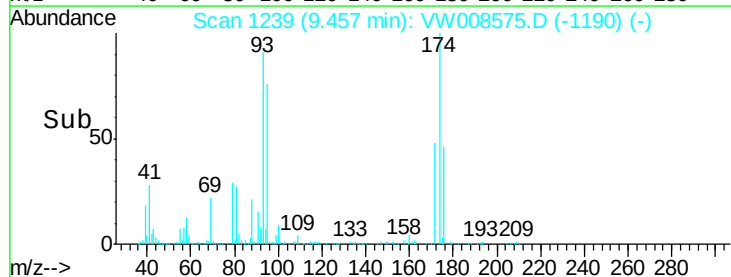
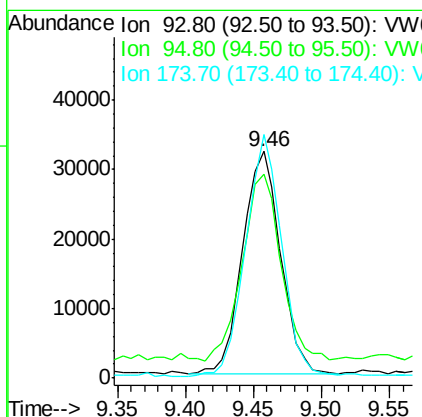
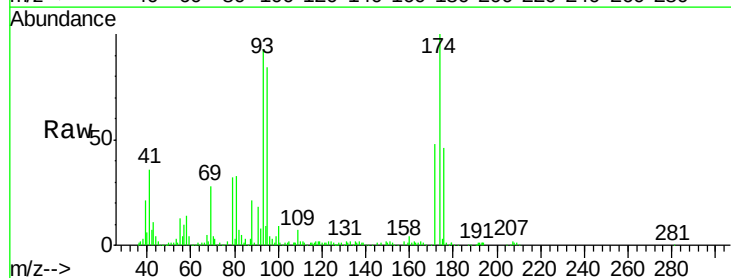
Tgt Ion: 93 Resp: 62357

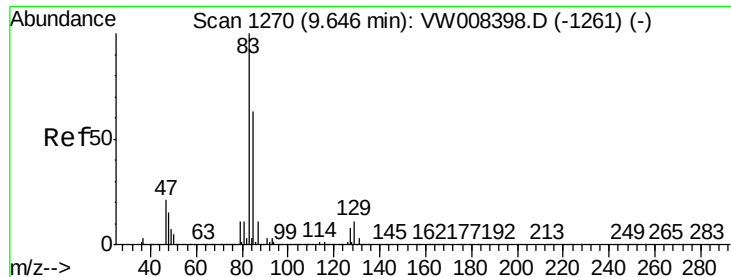
Ion Ratio Lower Upper

93 100

95 86.0 65.9 98.9

174 103.3 81.0 121.6





#47

Bromodichloromethane

Concen: 21.509 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

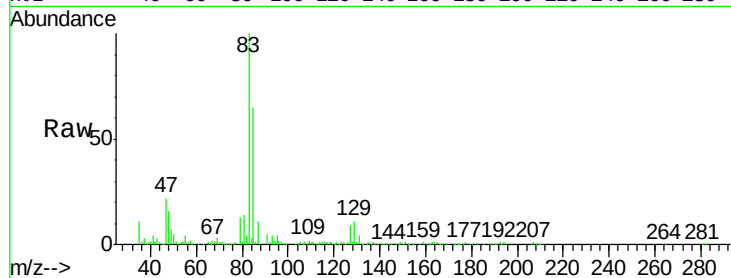
Tot Ion: 83 Resp: 162643

Ion Ratio Lower Upper

83 100

85 65.3 50.8 76.2

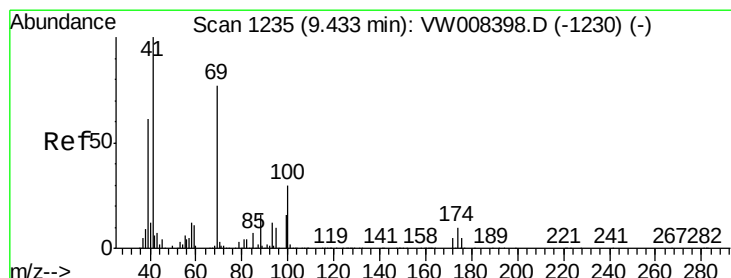
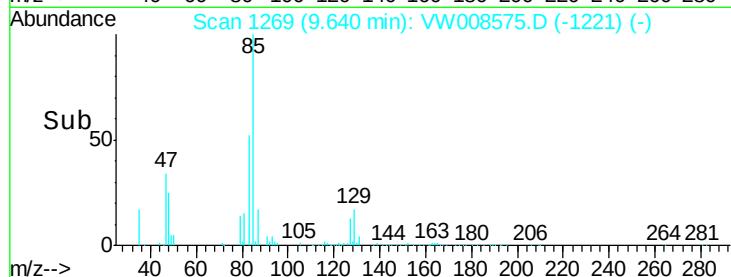
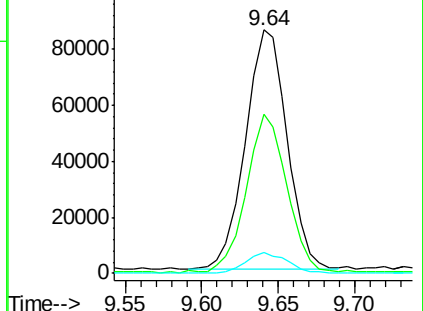
127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.247 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

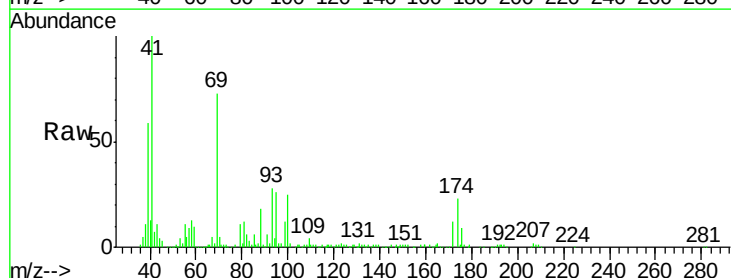
Tgt Ion: 41 Resp: 83933

Ion Ratio Lower Upper

41 100

69 81.8 64.8 97.2

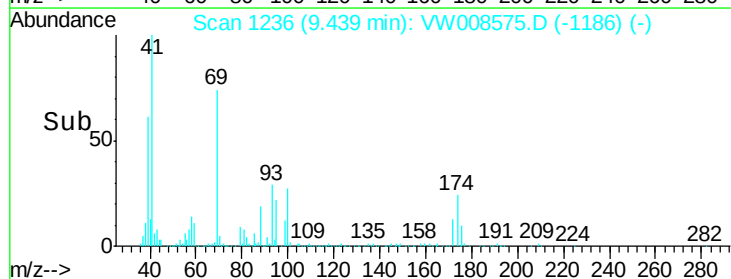
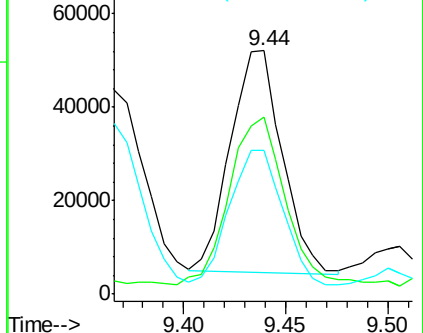
39 66.4 49.1 73.7

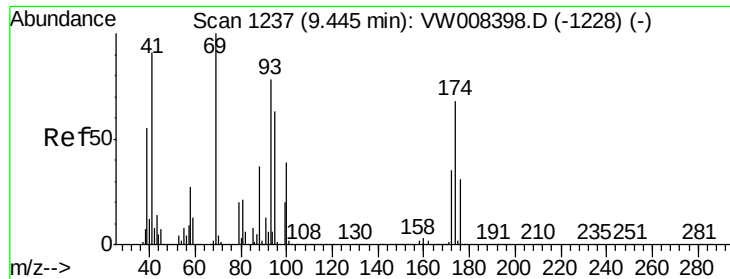


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

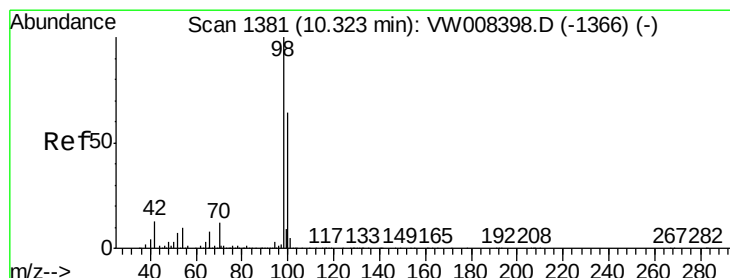
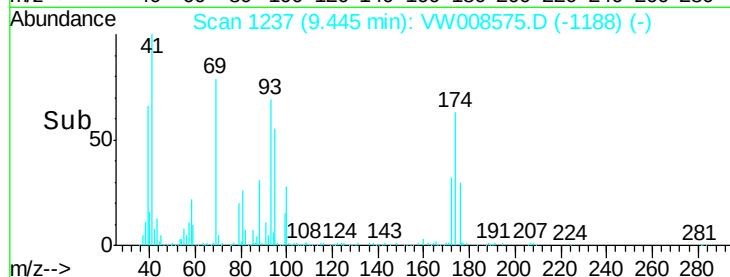
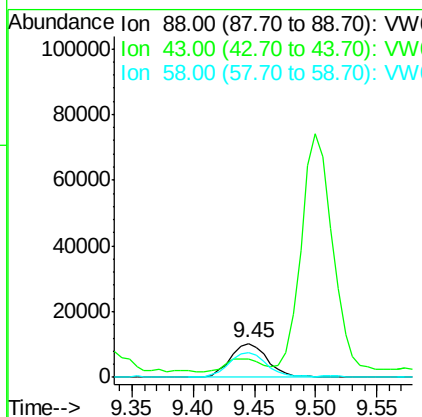
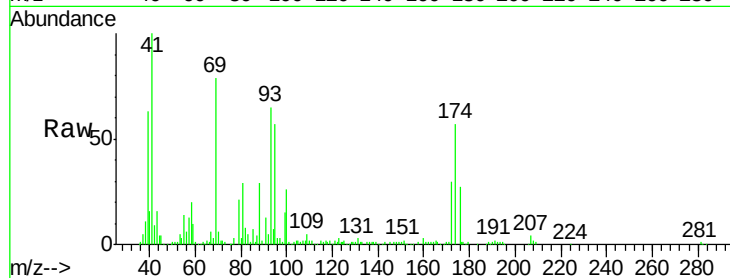




#49
1,4-Dioxane
Concen: 448.368 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

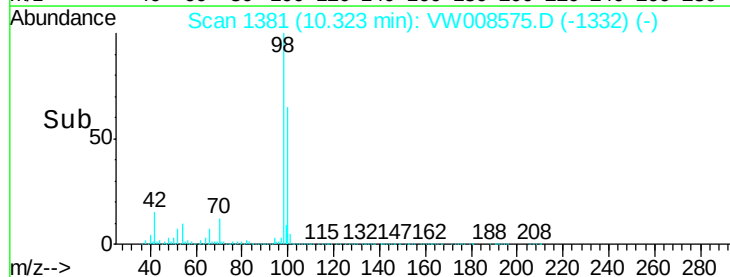
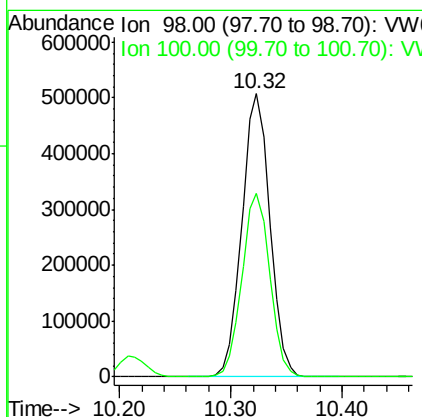
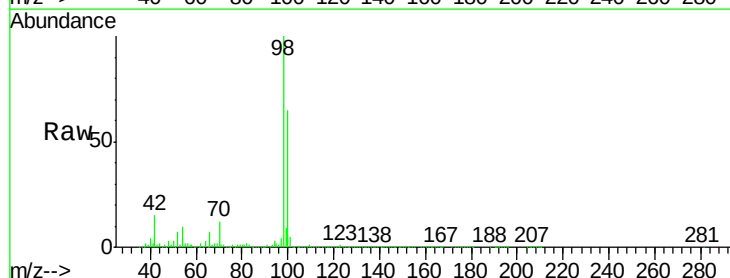
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

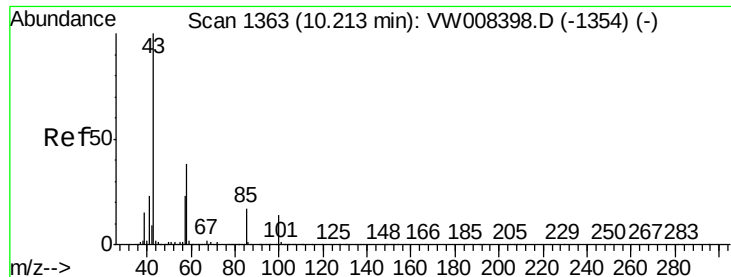
Tot Ion: 88 Resp: 21666
Ion Ratio Lower Upper
88 100
43 34.6 29.0 43.4
58 75.9 56.4 84.6



#50
Toluene-d8
Concen: 44.224 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 98 Resp: 881890
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8

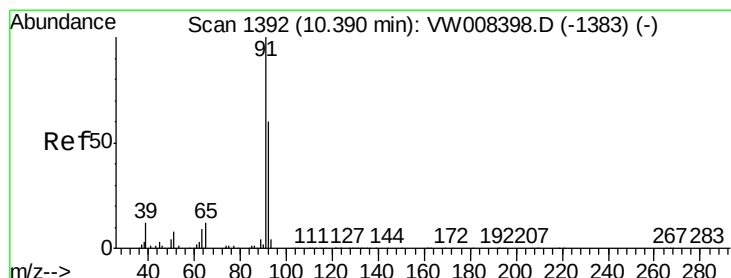
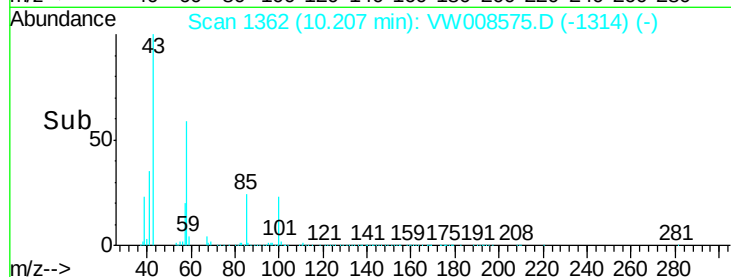
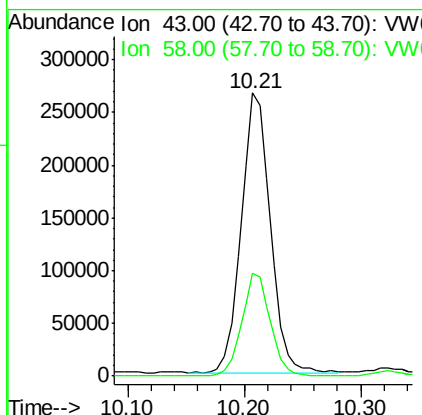
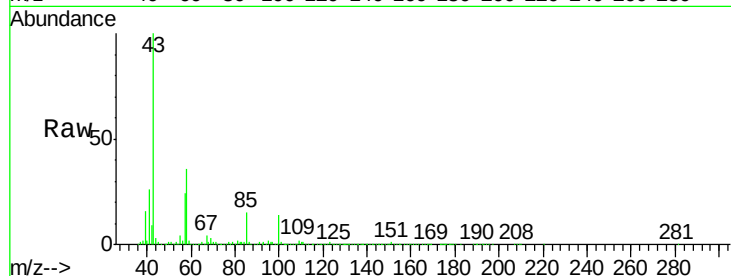




#51
4-Methyl-2-Pentanone
Concen: 126.143 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

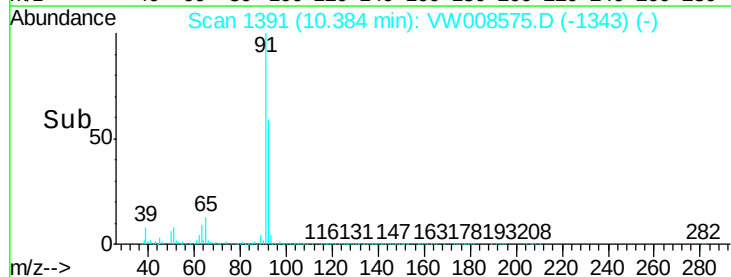
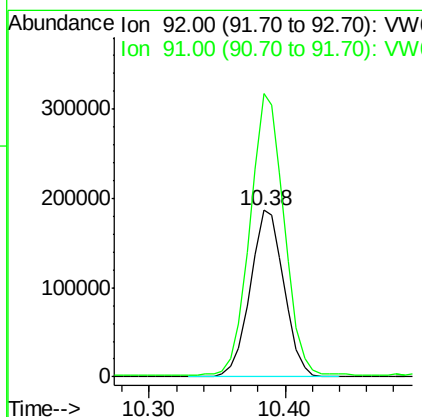
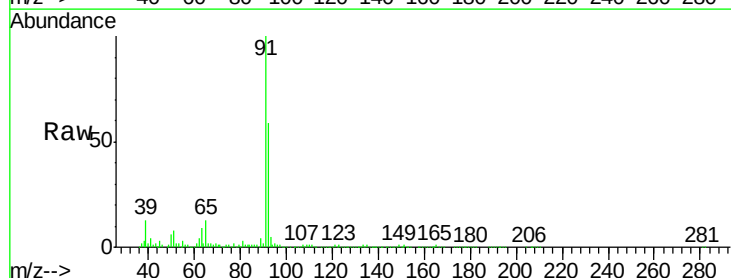
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

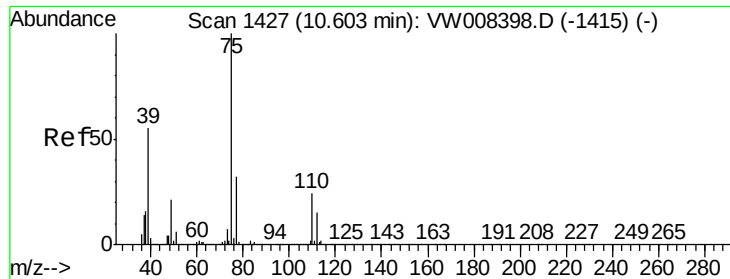
Tot Ion: 43 Resp: 460156
Ion Ratio Lower Upper
43 100
58 36.2 29.7 44.5



#52
Toluene
Concen: 21.889 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 92 Resp: 322096
Ion Ratio Lower Upper
92 100
91 172.0 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 22.559 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

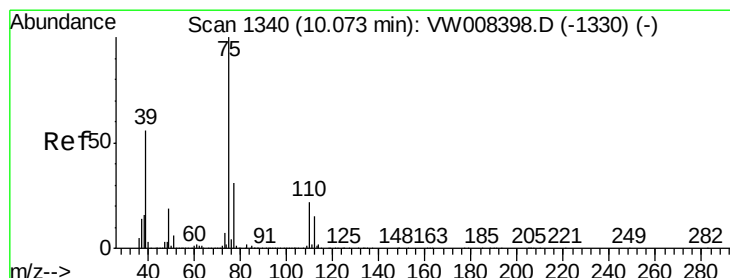
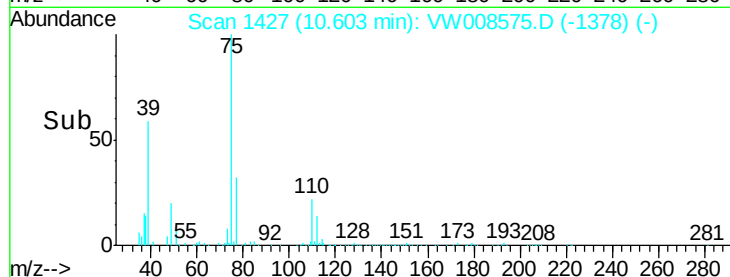
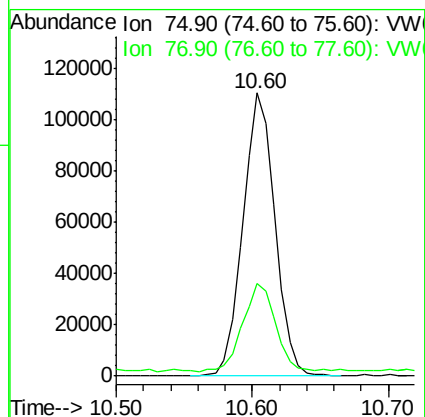
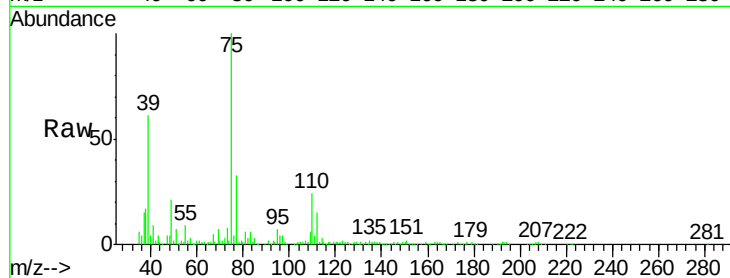
VW0208SBSD01

Tot Ion: 75 Resp: 181512

Ion Ratio Lower Upper

75 100

77 31.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 21.852 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

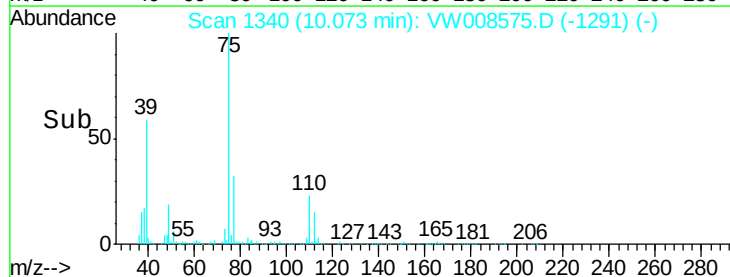
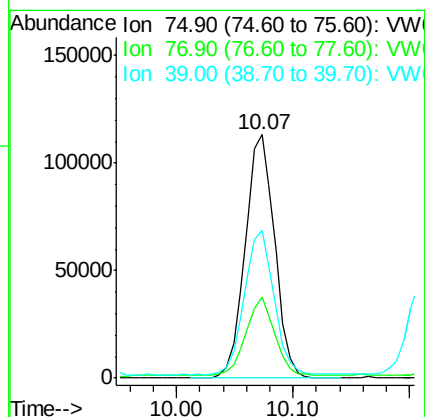
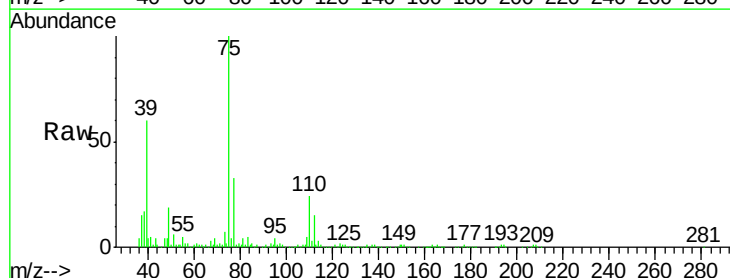
Tgt Ion: 75 Resp: 199530

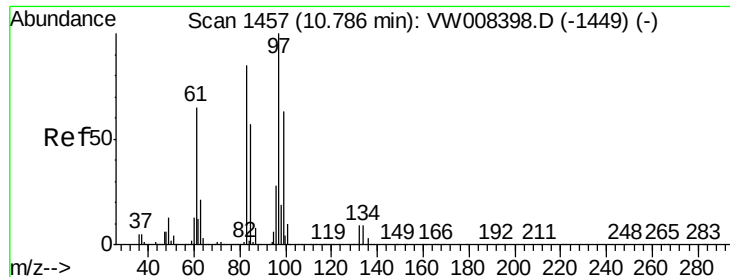
Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4

39 59.1 44.9 67.3

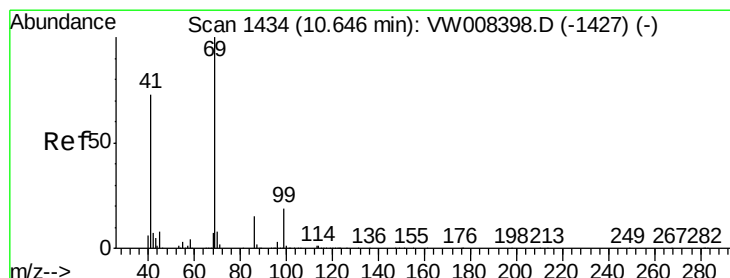
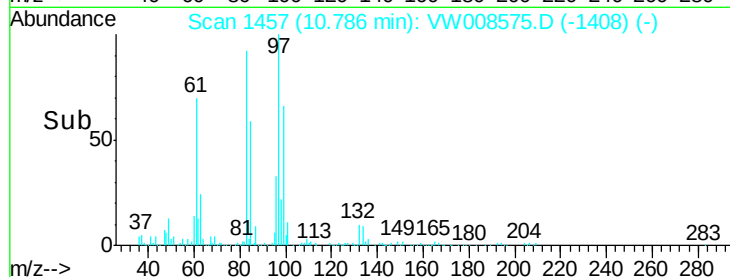
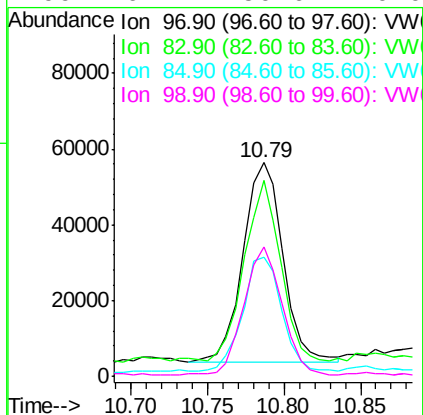
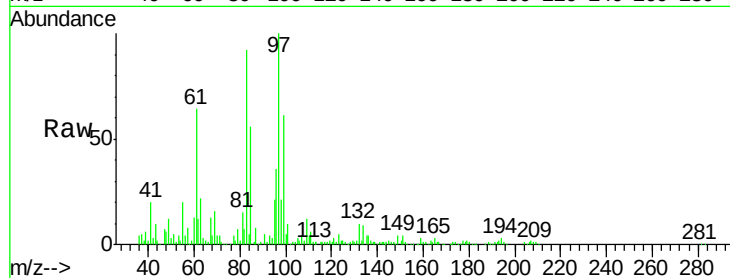




#55
 1,1,2-Trichloroethane
 Concen: 24.054 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

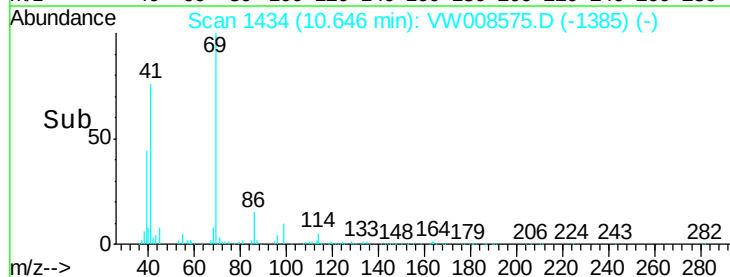
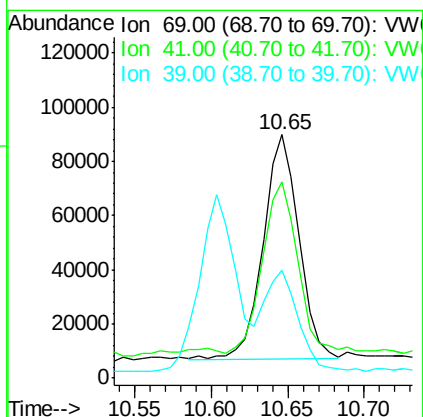
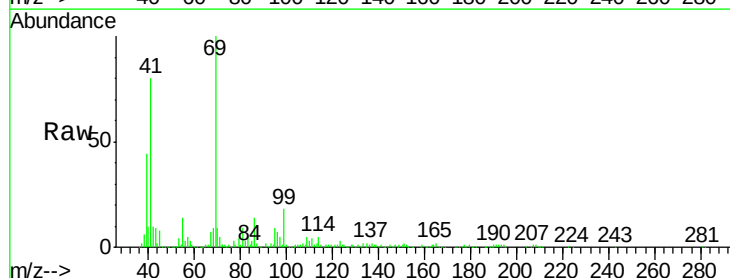
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

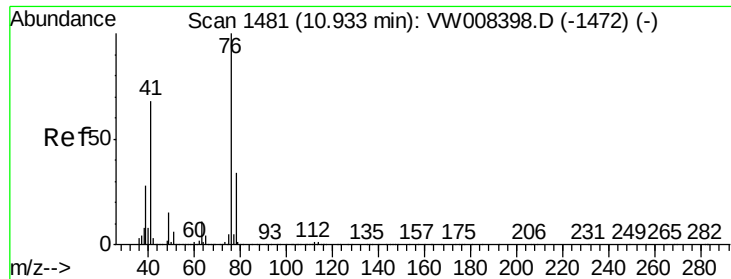
Tot Ion:	97	Resp:	95379
Ion	Ratio	Lower	Upper
97	100		
83	89.5	68.4	102.6
85	57.6	45.3	67.9
99	64.4	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 24.342 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion:	69	Resp:	135249
Ion	Ratio	Lower	Upper
69	100		
41	76.8	58.7	88.1
39	42.2	32.6	48.8

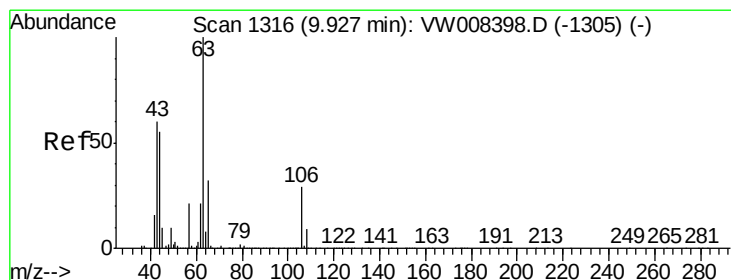
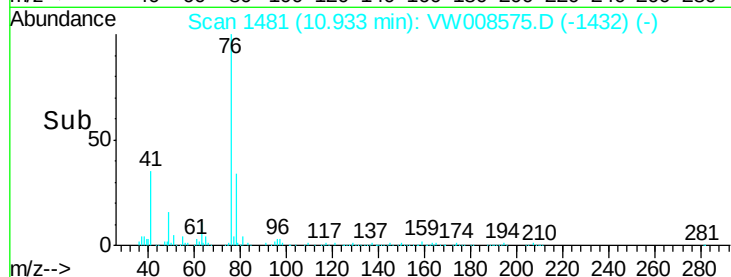
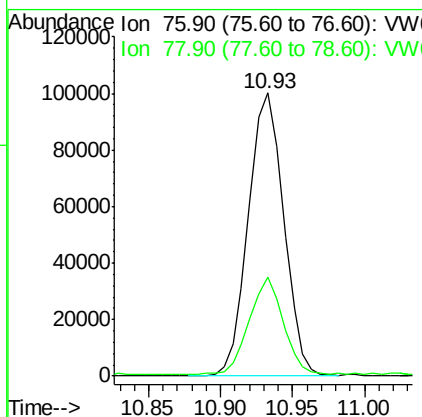
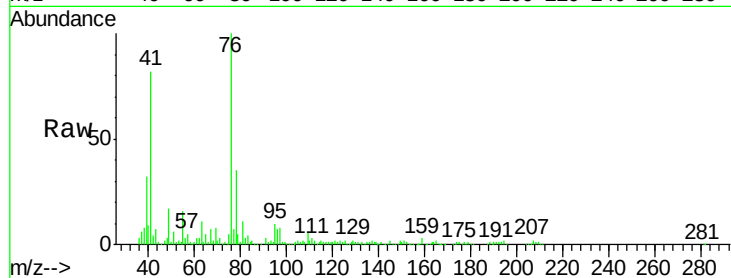




#57
 1,3-Dichloropropane
 Concen: 23.984 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

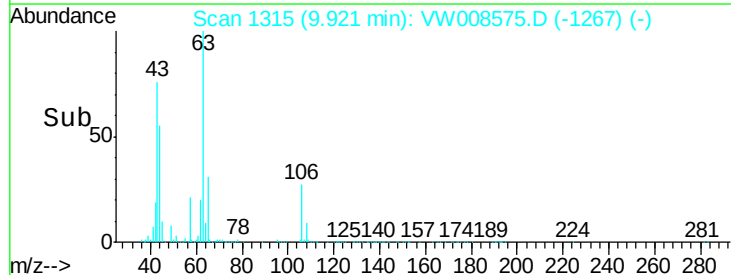
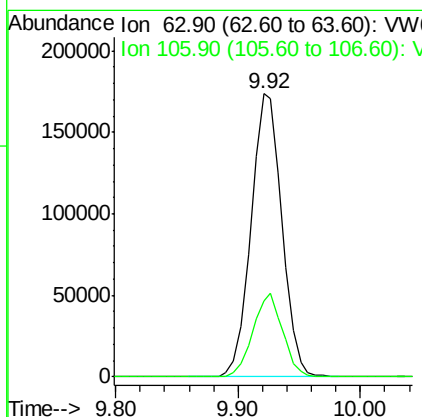
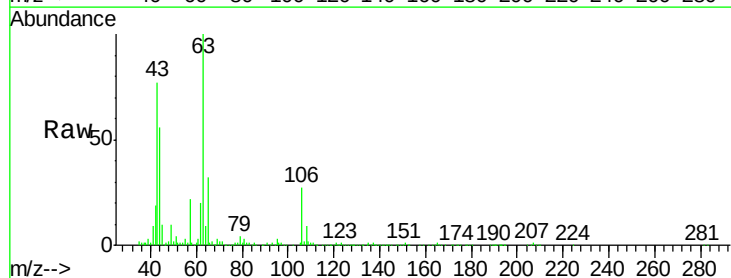
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

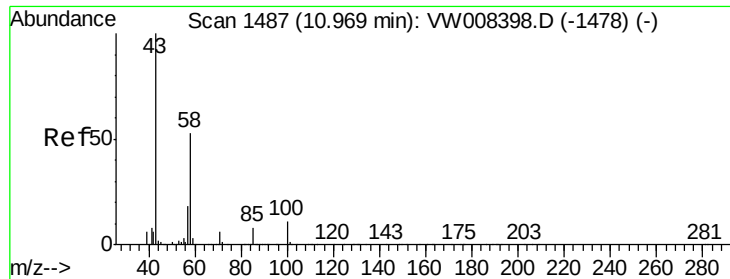
Tot Ion: 76 Resp: 170376
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.613 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion: 63 Resp: 304009
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.4 33.6

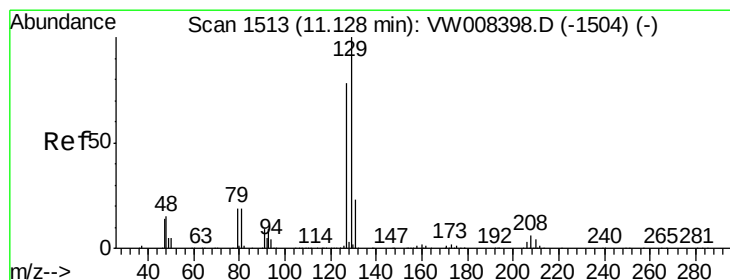
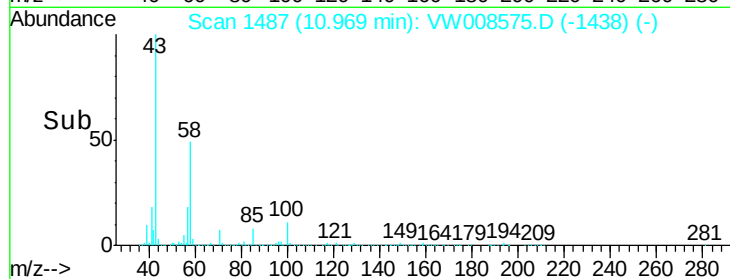
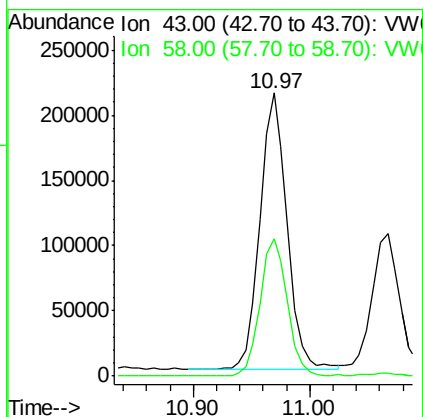
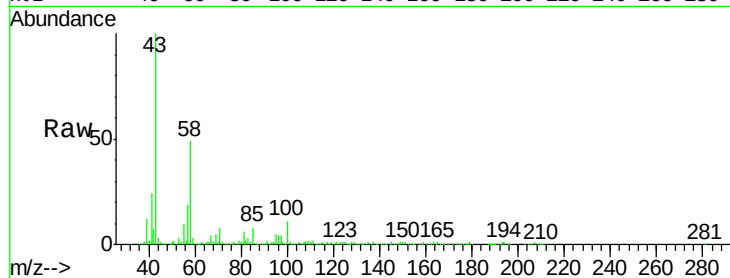




#59
2-Hexanone
Concen: 133.599 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

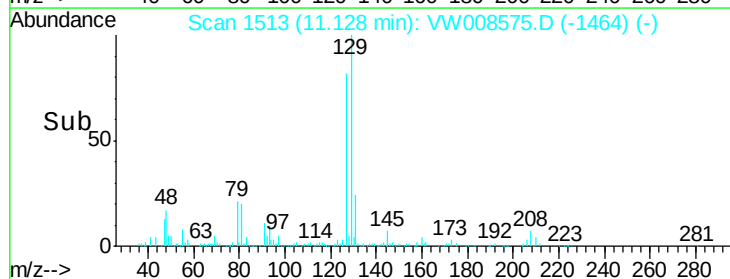
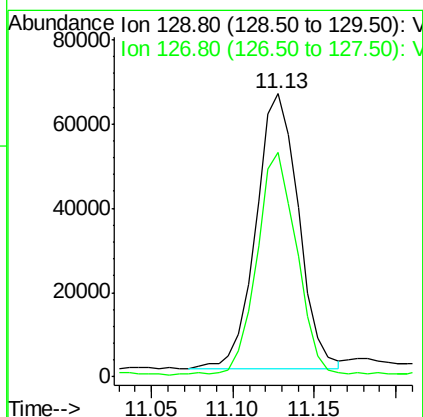
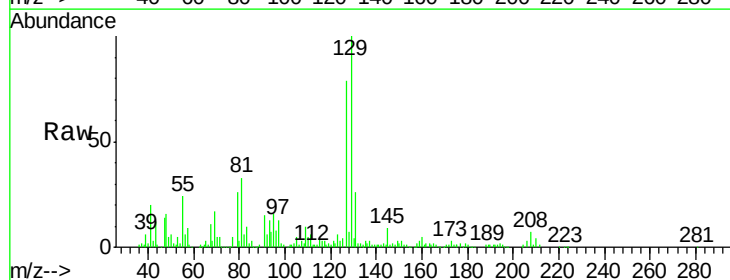
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

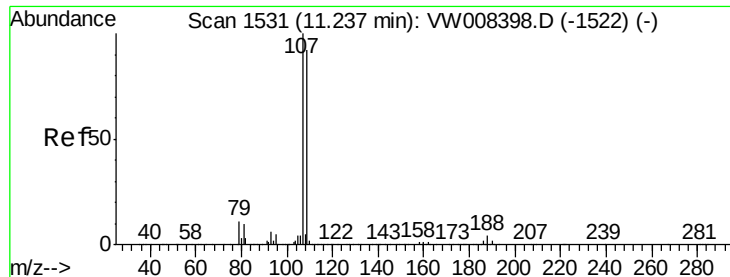
Tot Ion: 43 Resp: 344053
Ion Ratio Lower Upper
43 100
58 49.9 25.9 77.7



#60
Dibromochloromethane
Concen: 23.011 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion: 129 Resp: 117256
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 23.674 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

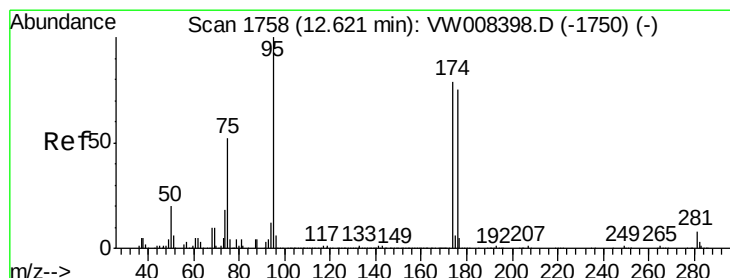
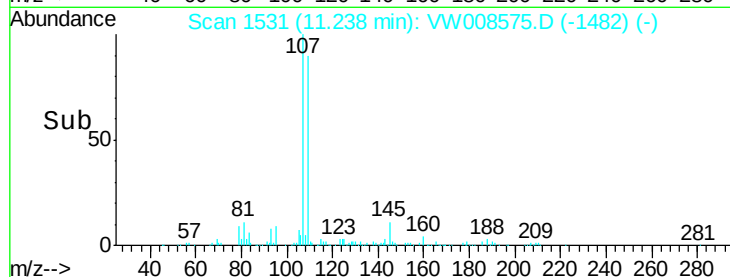
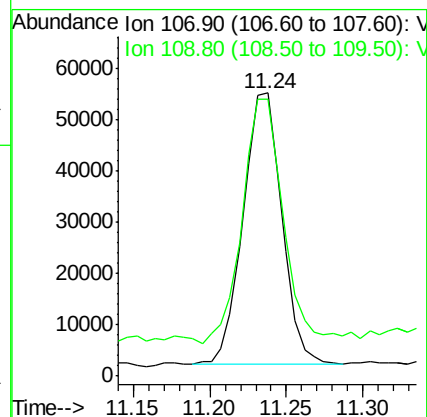
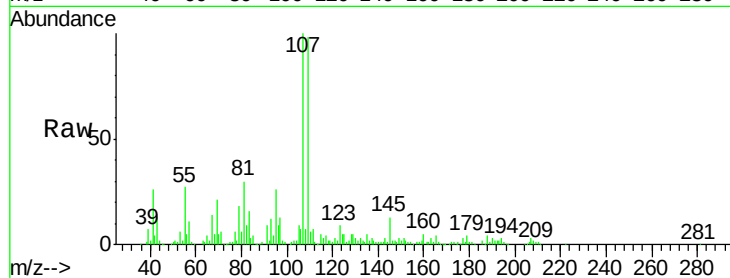
VW0208SBSD01

Tot Ion: 107 Resp: 93079

Ion Ratio Lower Upper

107 100

109 95.3 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 51.593 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

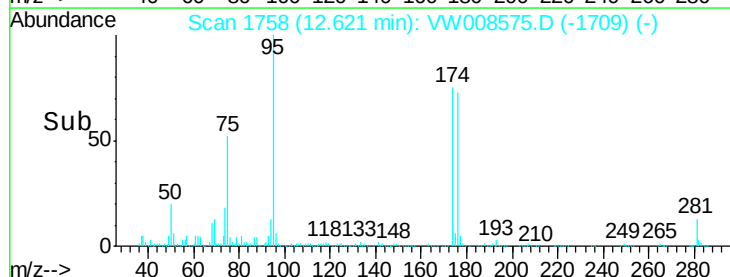
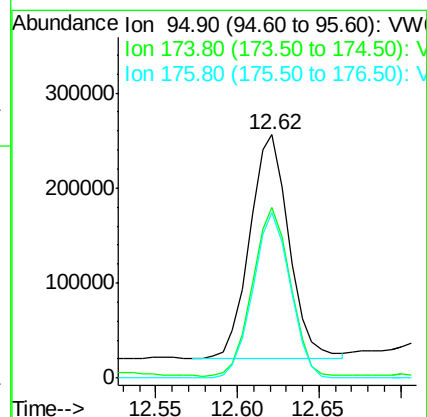
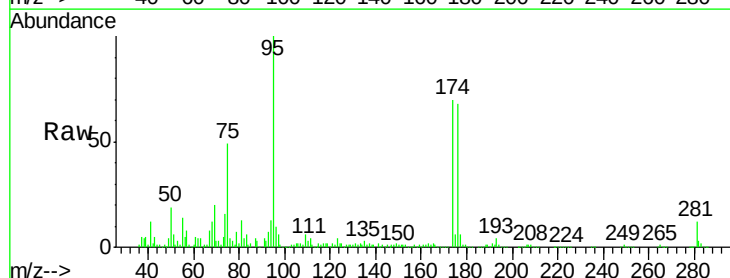
Tgt Ion: 95 Resp: 395462

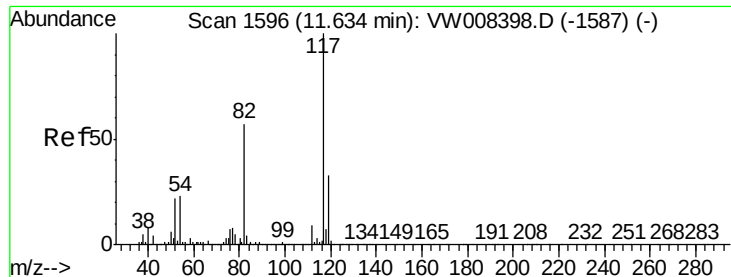
Ion Ratio Lower Upper

95 100

174 71.9 0.0 157.6

176 70.2 0.0 151.8

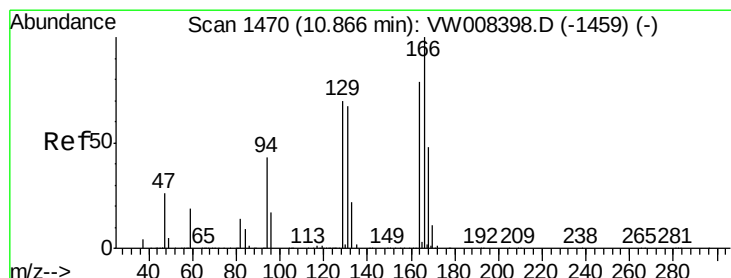
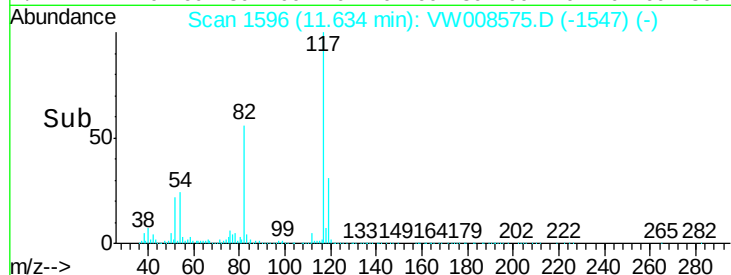
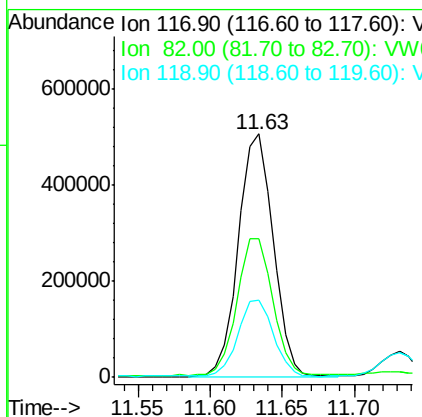
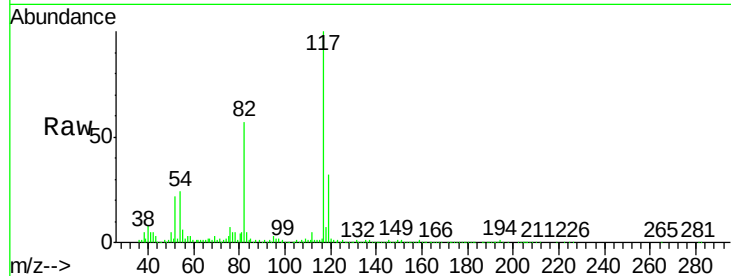




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

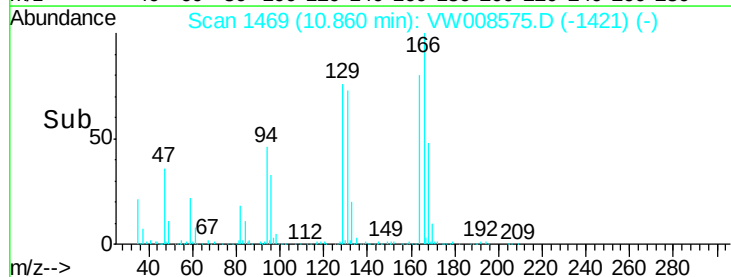
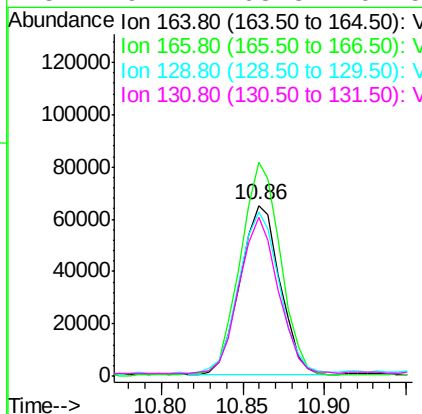
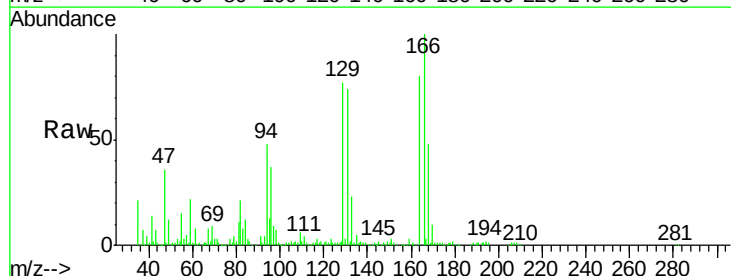
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

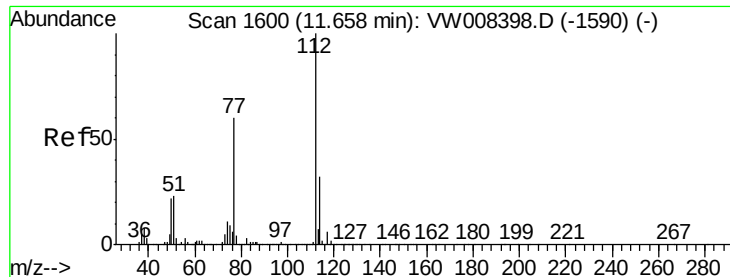
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.0
119	31.2	26.2	39.4



#64
Tetrachloroethene
Concen: 19.234 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	101.4	152.0
129	95.3	71.0	106.6
131	92.1	68.3	102.5

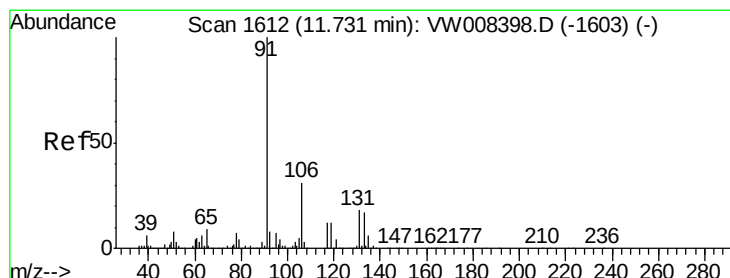
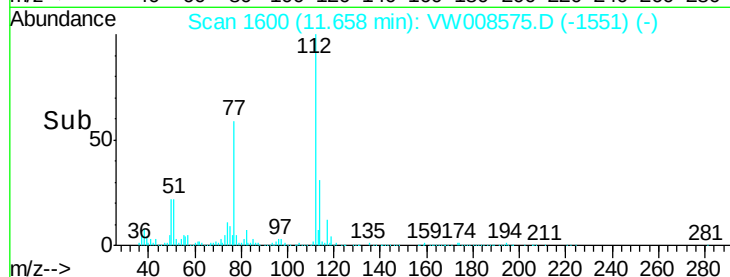
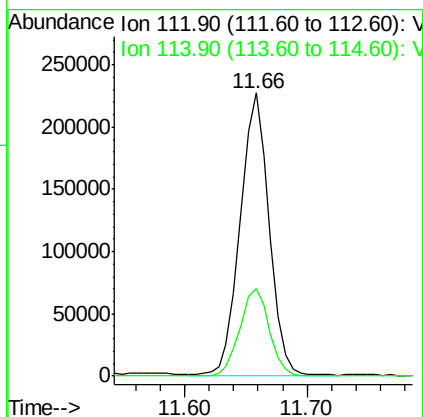
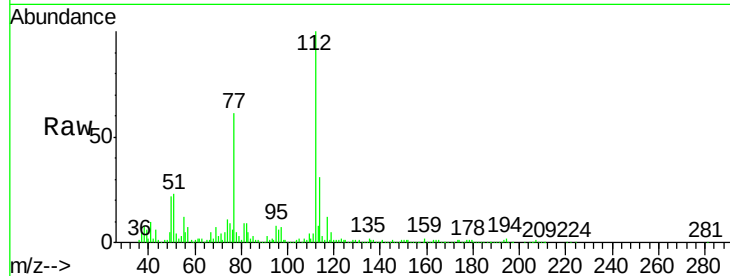




#65
Chlorobenzene
Concen: 21.171 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

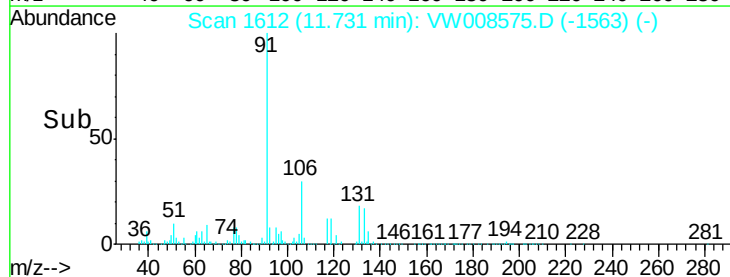
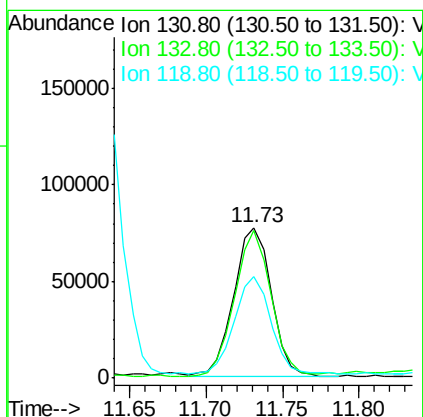
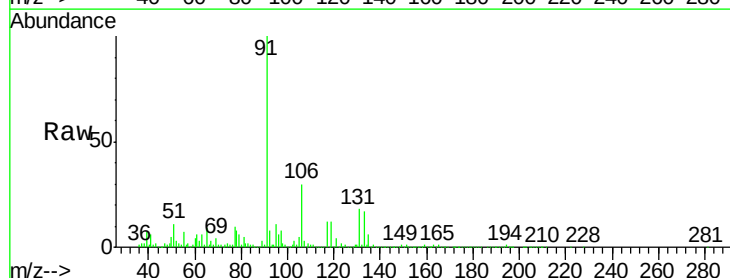
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

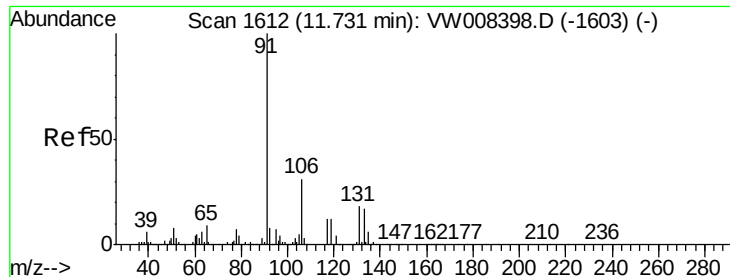
Tot Ion:112 Resp: 368737
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.055 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion:131 Resp: 131204
Ion Ratio Lower Upper
131 100
133 96.5 47.0 141.2
119 63.0 32.1 96.3





#67

Ethyl Benzene

Concen: 21.103 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

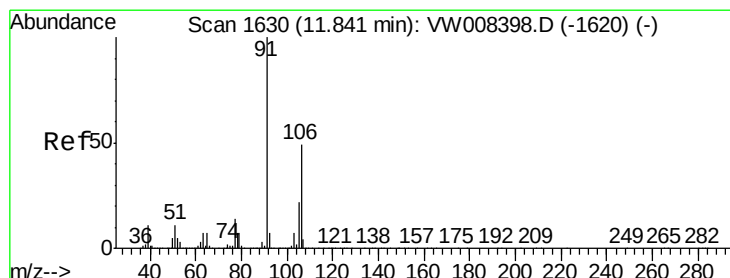
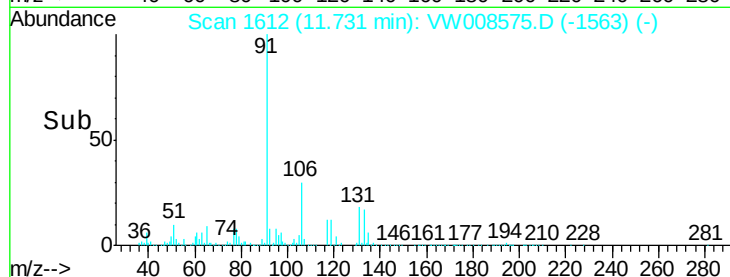
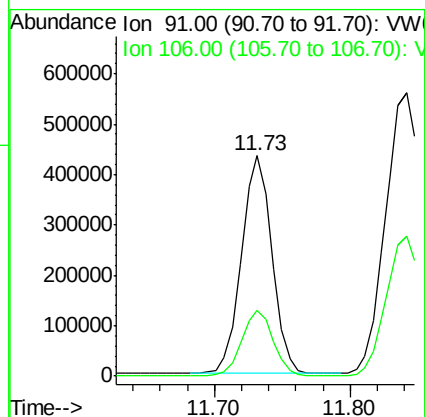
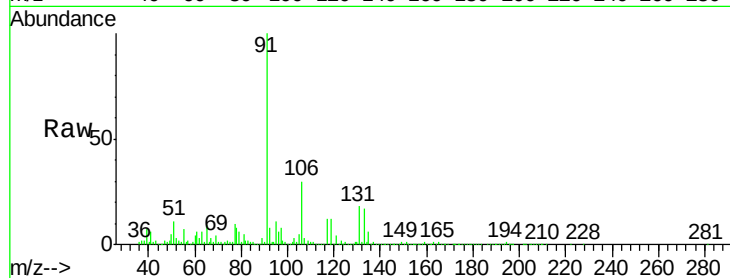
VW0208SBSD01

Tot Ion: 91 Resp: 675608

Ion Ratio Lower Upper

91 100

106 29.9 24.7 37.1



#68

m/p-Xylenes

Concen: 41.560 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008575.D

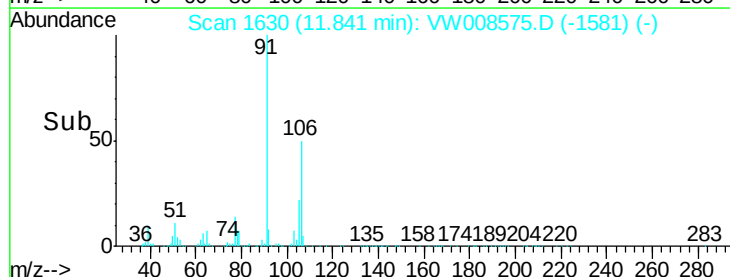
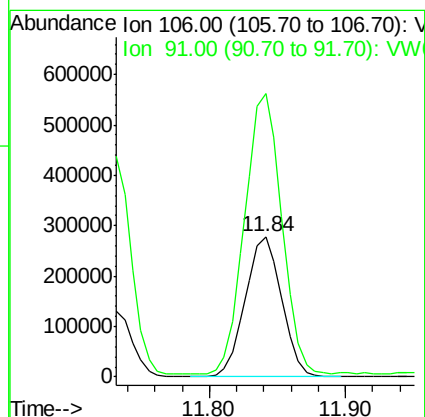
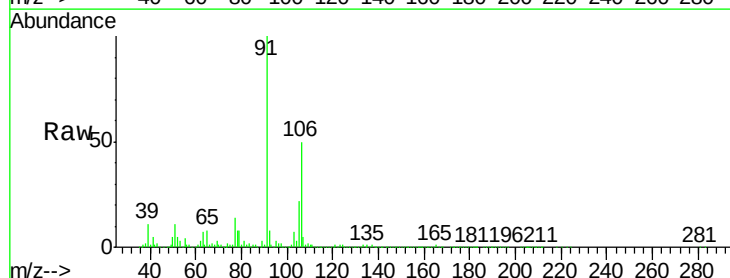
Acq: 08 Feb 2019 15:41

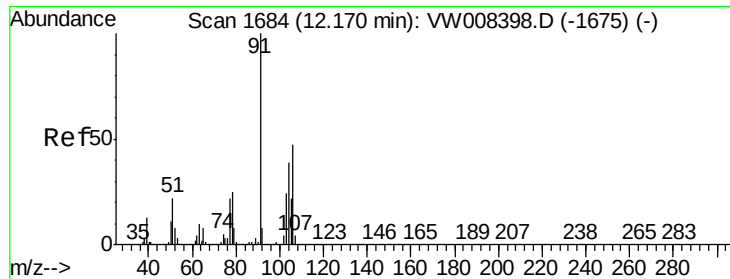
Tgt Ion: 106 Resp: 516242

Ion Ratio Lower Upper

106 100

91 206.2 162.9 244.3

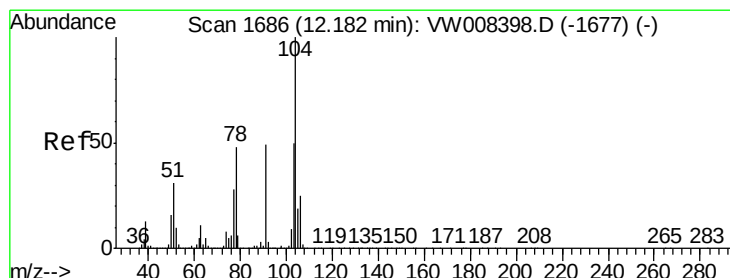
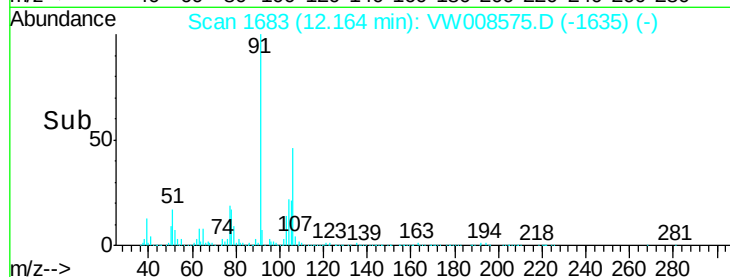
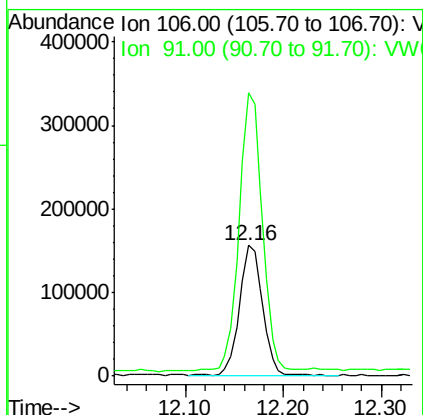
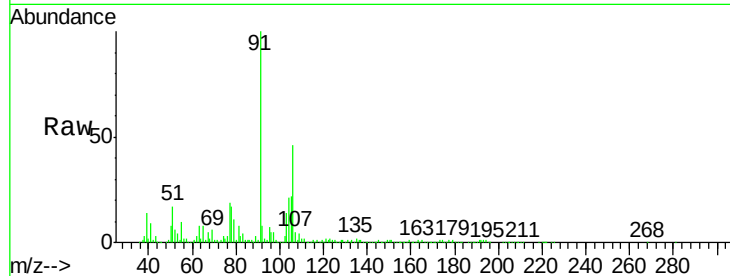




#69
o-Xylene
Concen: 21.438 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

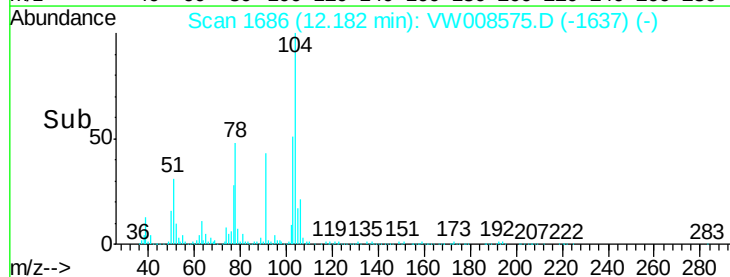
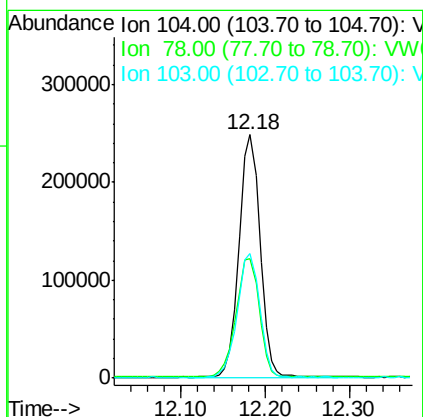
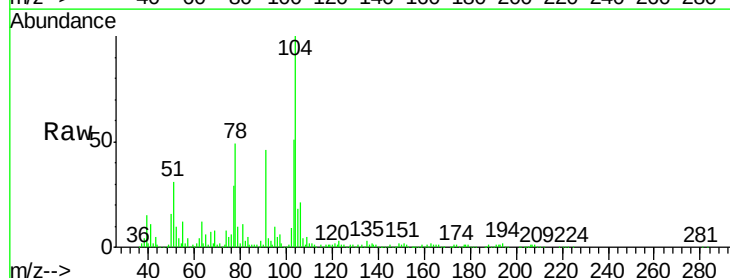
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

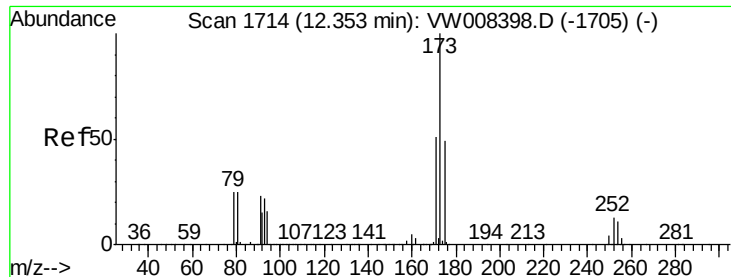
Tot Ion:106 Resp: 253018
Ion Ratio Lower Upper
106 100
91 215.0 107.5 322.4



#70
Styrene
Concen: 21.372 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion:104 Resp: 416654
Ion Ratio Lower Upper
104 100
78 53.7 42.4 63.6
103 53.9 43.4 65.0





#71

Bromoform

Concen: 21.055 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

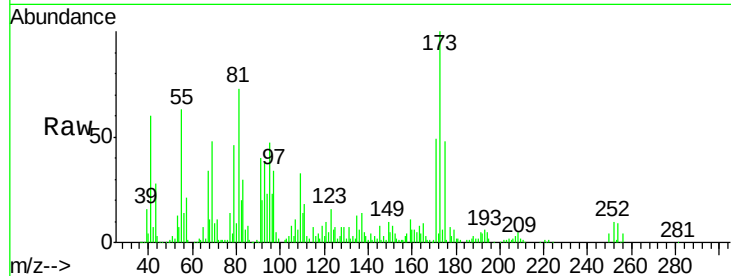
Tot Ion:173 Resp: 73820

Ion Ratio Lower Upper

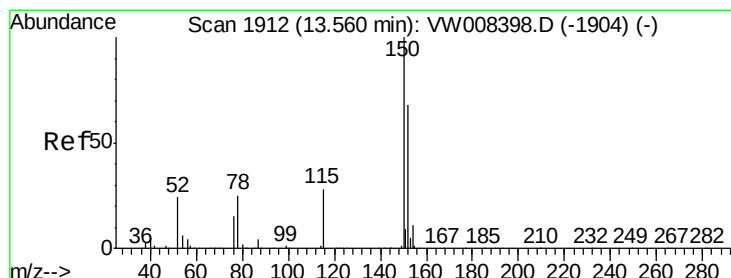
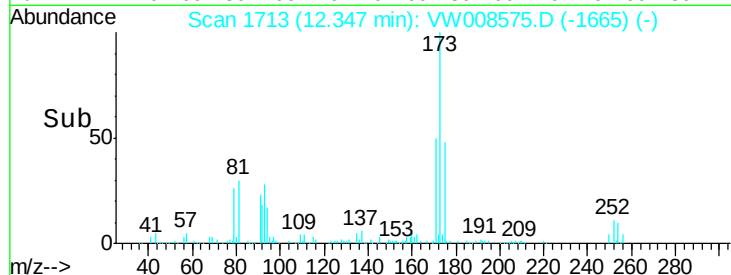
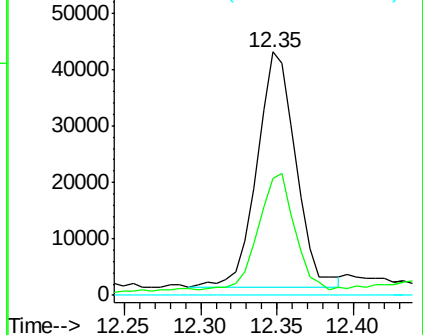
173 100

175 51.7 24.4 73.4

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

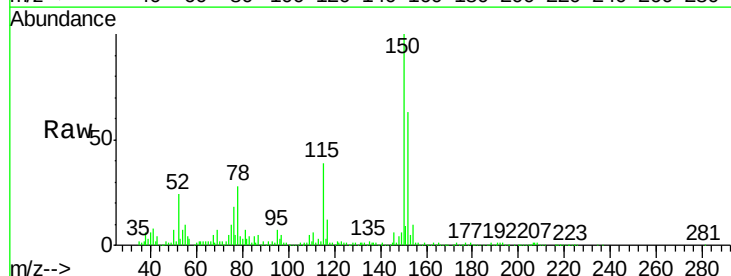
Tgt Ion:152 Resp: 482560

Ion Ratio Lower Upper

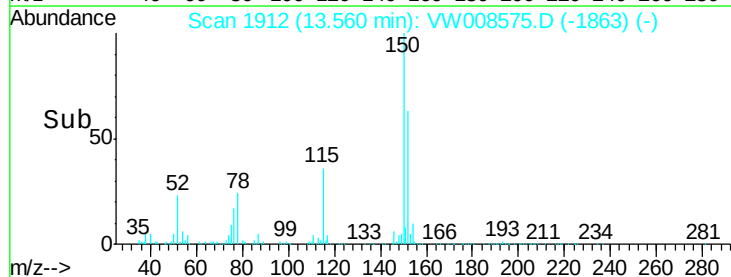
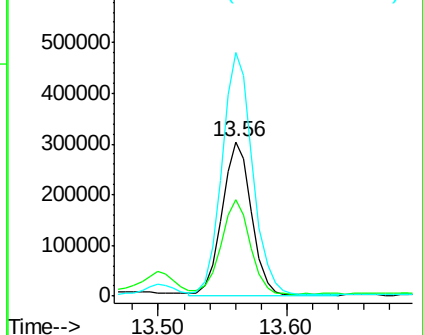
152 100

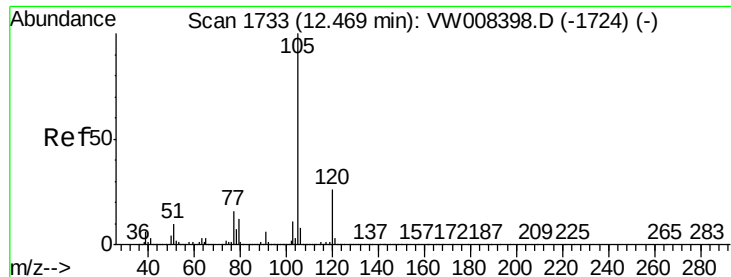
115 60.0 29.9 89.7

150 163.6 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.313 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

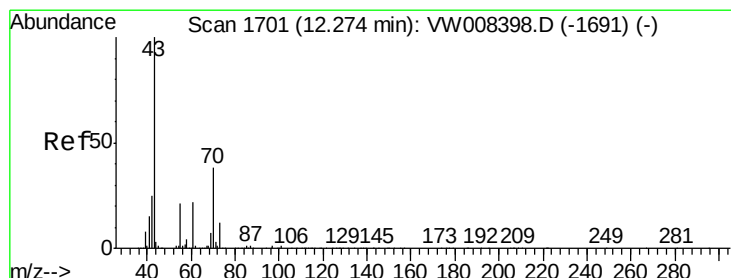
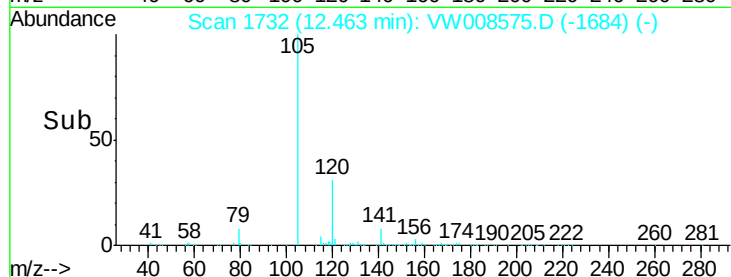
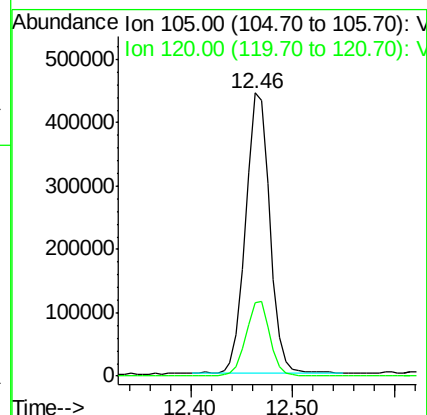
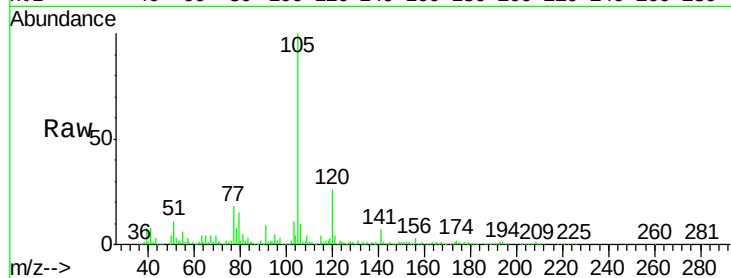
VW0208SBSD01

Tot Ion:105 Resp: 730777

Ion Ratio Lower Upper

105 100

120 25.6 13.3 39.8



#74

N-ethyl acetate

Concen: 21.690 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Tgt Ion: 43 Resp: 201025

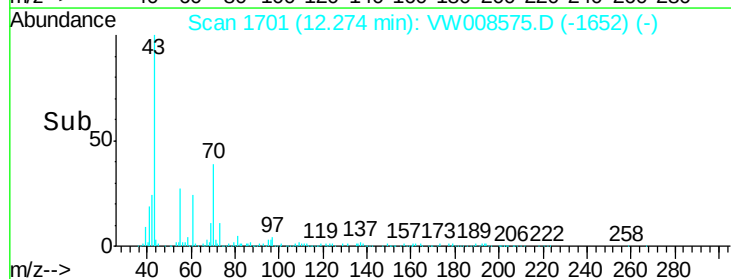
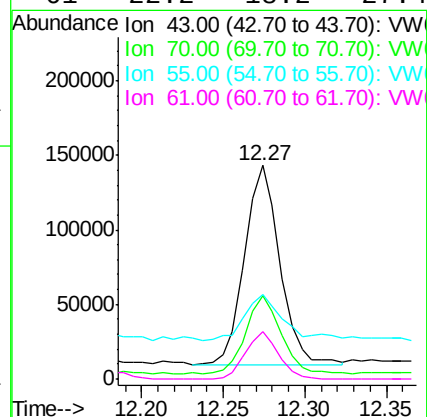
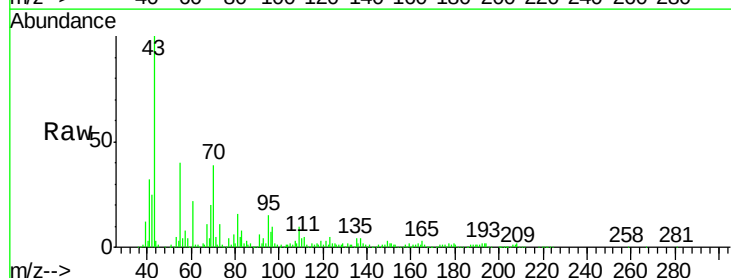
Ion Ratio Lower Upper

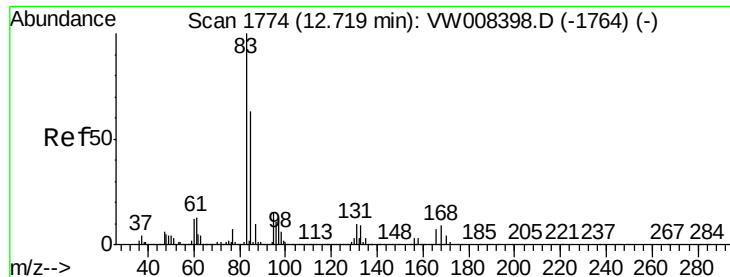
43 100

70 38.4 31.0 46.6

55 24.4 17.4 26.2

61 22.2 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.910 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

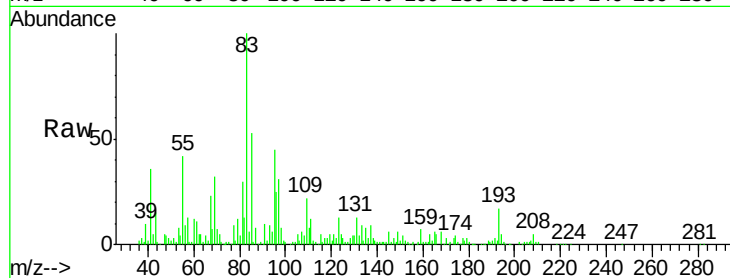
Tot Ion: 83 Resp: 130488

Ion Ratio Lower Upper

83 100

131 14.7 5.5 16.4

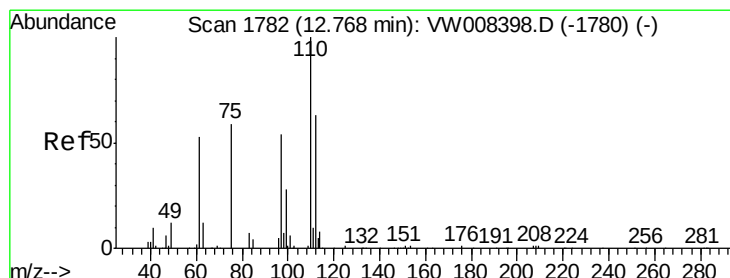
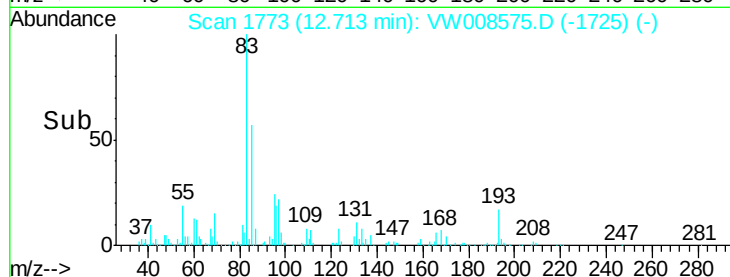
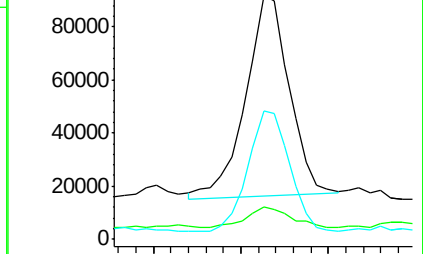
85 57.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.628 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008575.D

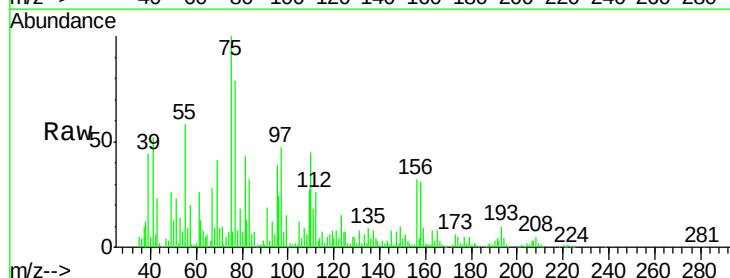
Acq: 08 Feb 2019 15:41

Tgt Ion: 75 Resp: 90742

Ion Ratio Lower Upper

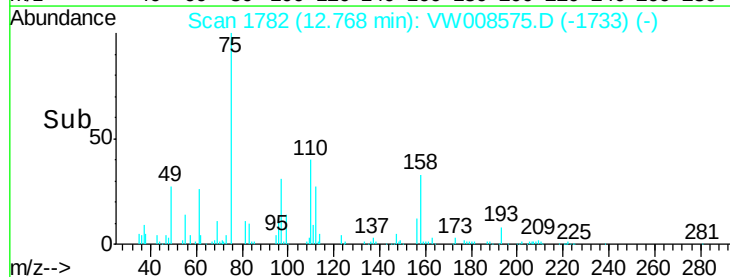
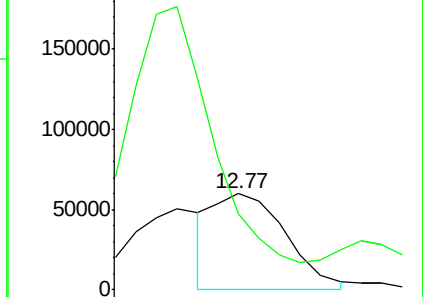
75 100

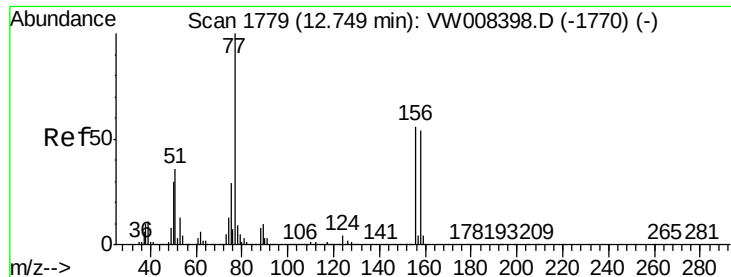
77 340.2 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.902 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

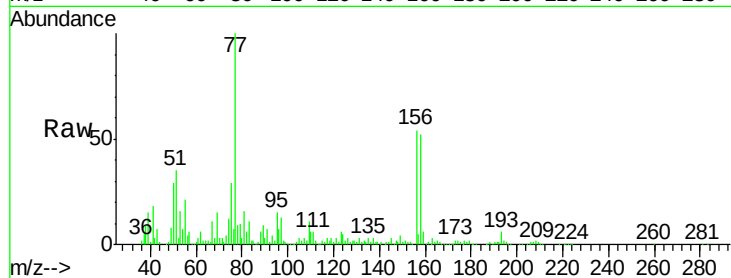
Tot Ion:156 Resp: 156367

Ion Ratio Lower Upper

156 100

77 197.4 96.9 290.7

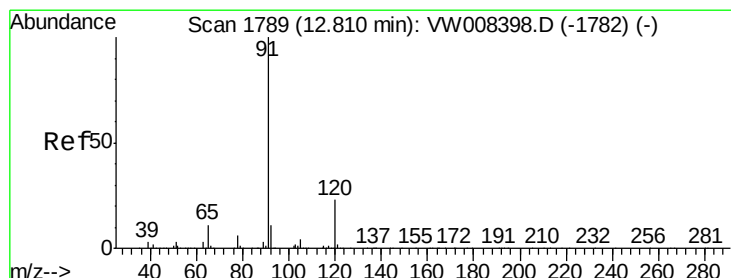
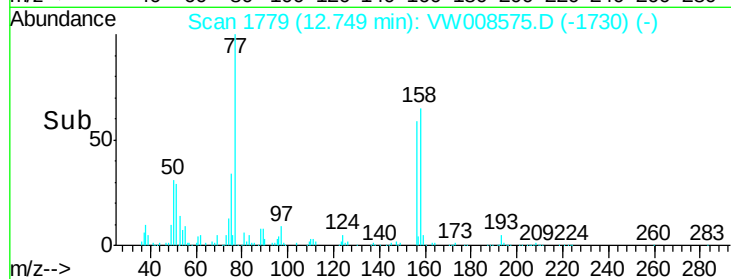
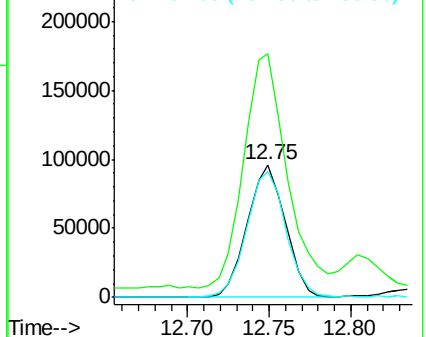
158 96.8 48.8 146.4



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: 19.956 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008575.D

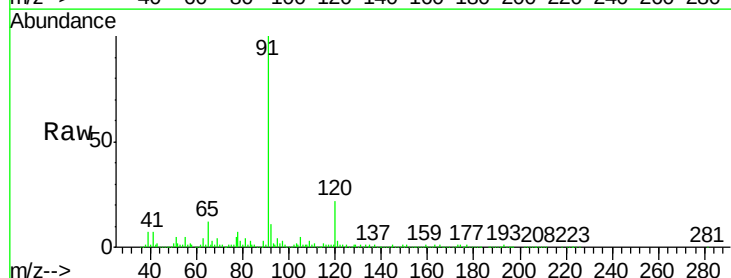
Acq: 08 Feb 2019 15:41

Tgt Ion: 91 Resp: 862264

Ion Ratio Lower Upper

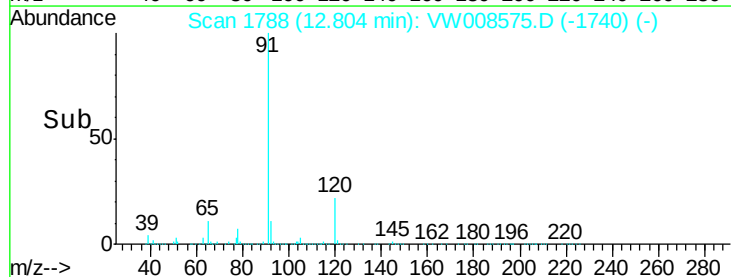
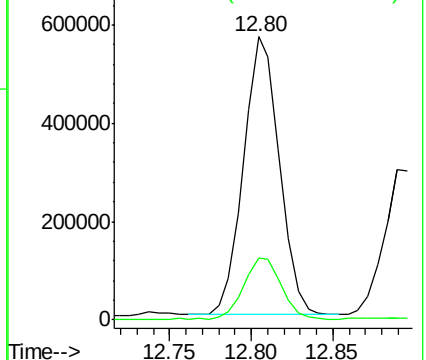
91 100

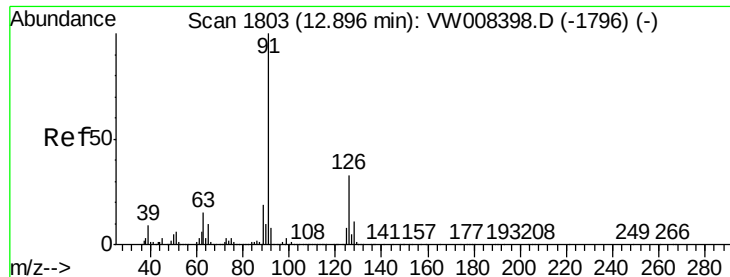
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.255 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

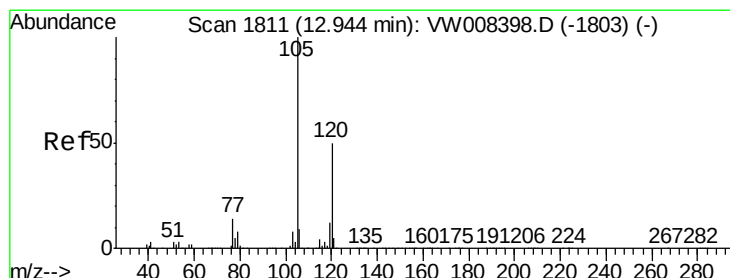
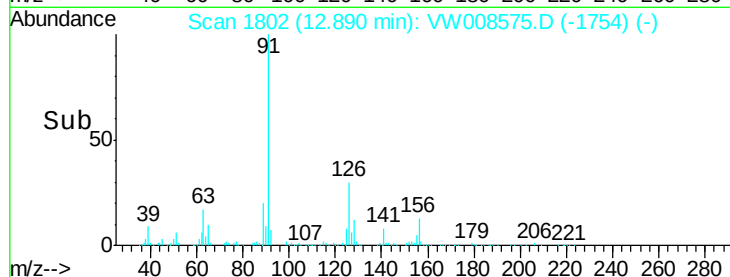
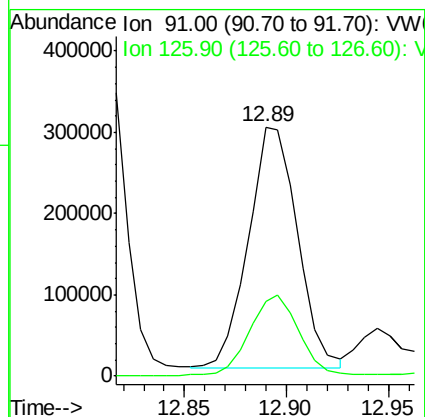
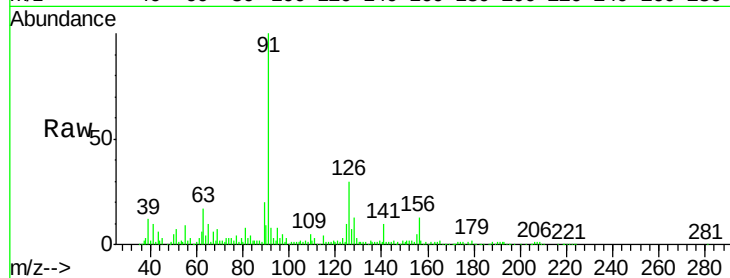
VW0208SBSD01

Tot Ion: 91 Resp: 493881

Ion Ratio Lower Upper

91 100

126 33.5 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 20.324 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008575.D

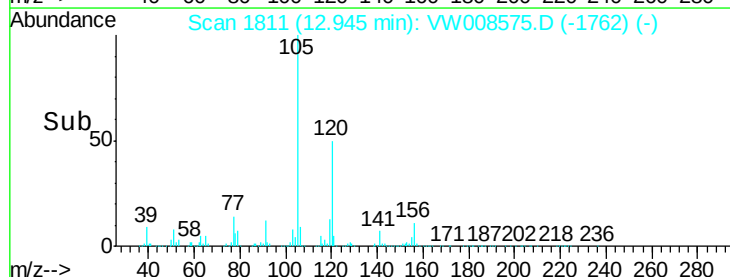
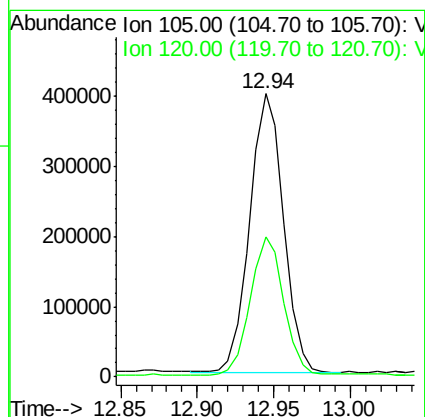
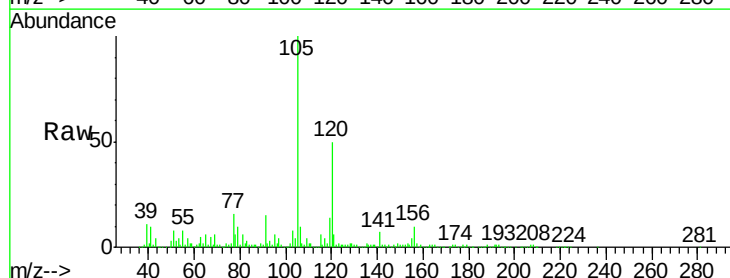
Acq: 08 Feb 2019 15:41

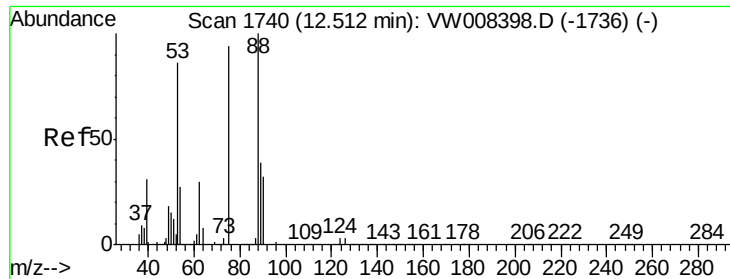
Tgt Ion: 105 Resp: 611123

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.582 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

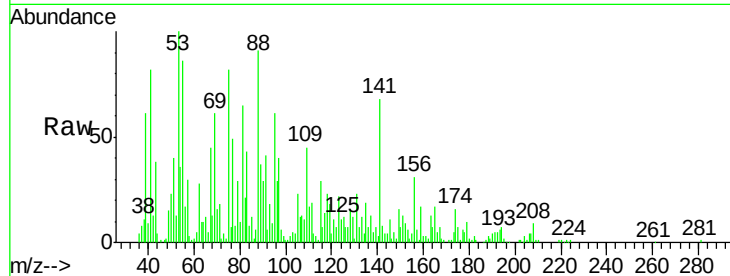
Tot Ion: 75 Resp: 43720

Ion Ratio Lower Upper

75 100

53 96.4 76.0 114.0

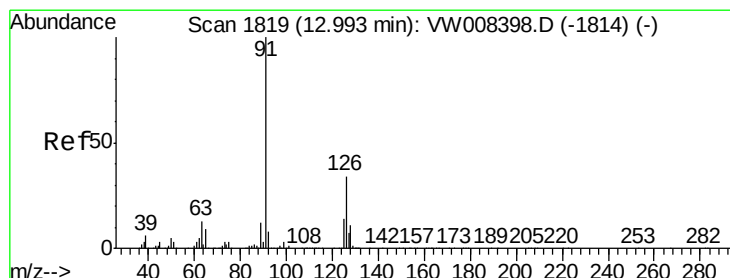
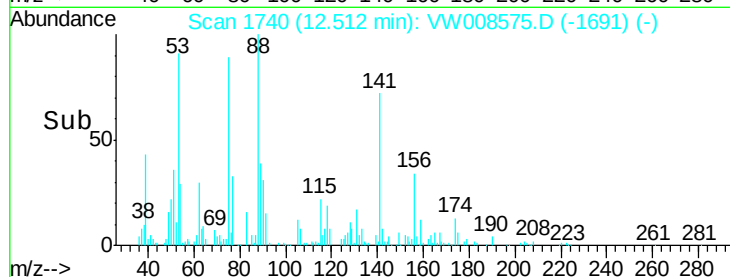
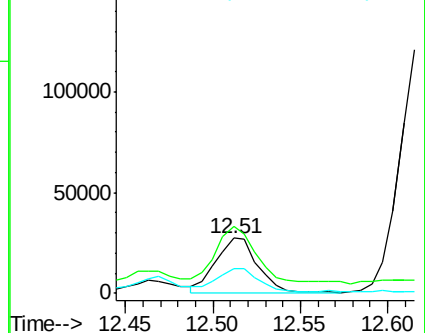
89 44.2 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.835 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008575.D

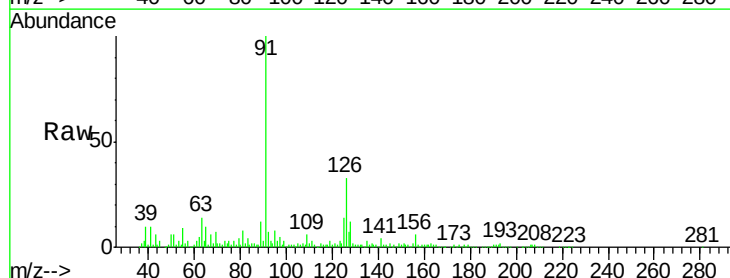
Acq: 08 Feb 2019 15:41

Tgt Ion: 91 Resp: 514918

Ion Ratio Lower Upper

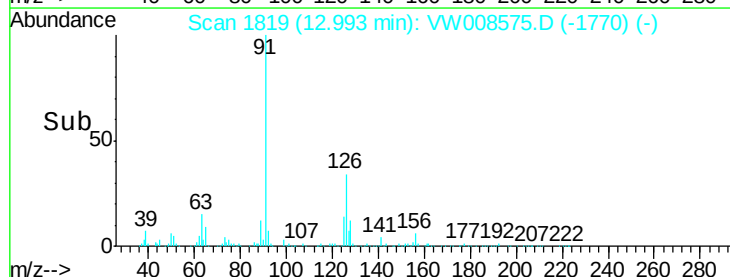
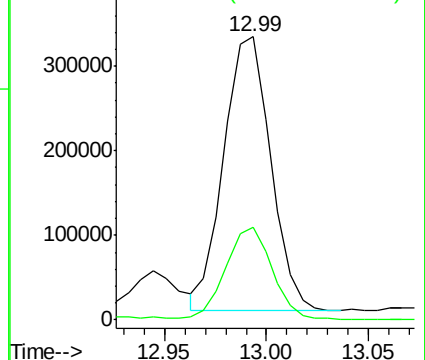
91 100

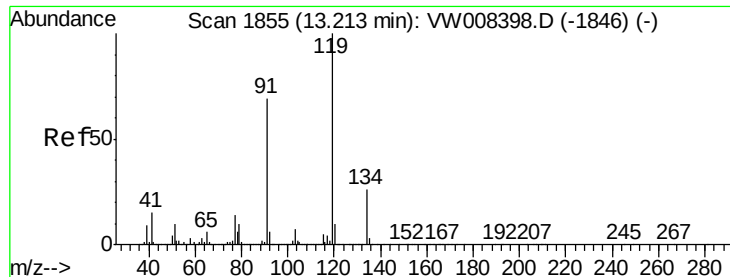
126 33.2 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW





#83

tert-Butylbenzene

Concen: 20.309 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

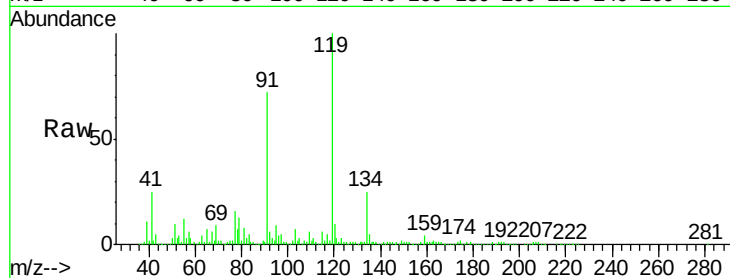
Tot Ion:119 Resp: 543446

Ion Ratio Lower Upper

119 100

91 68.5 33.8 101.4

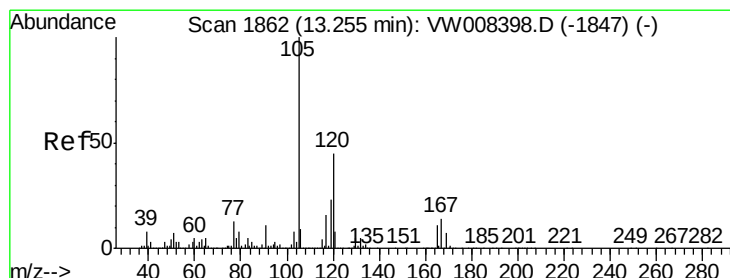
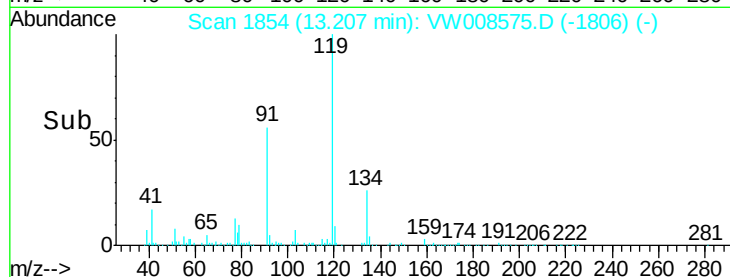
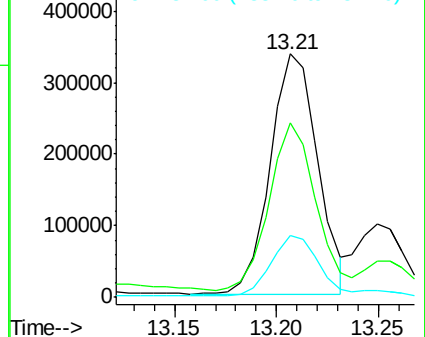
134 27.9 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.898 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008575.D

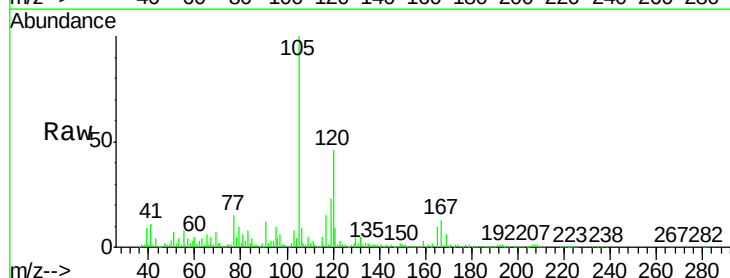
Acq: 08 Feb 2019 15:41

Tgt Ion:105 Resp: 638727

Ion Ratio Lower Upper

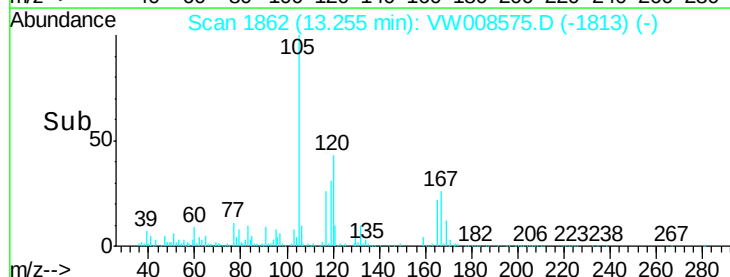
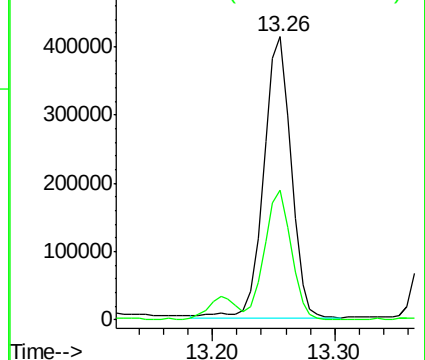
105 100

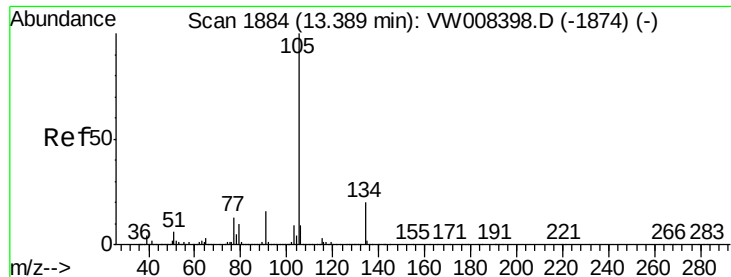
120 44.9 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.652 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

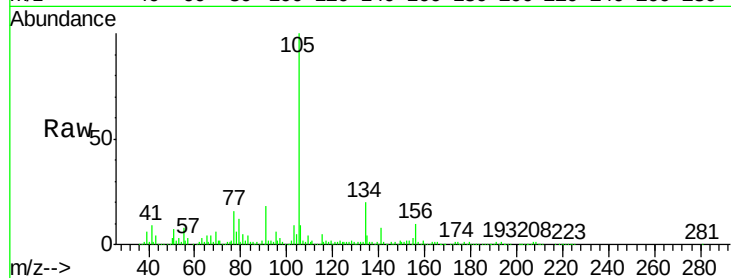
VW0208SBSD01

Tot Ion:105 Resp: 789196

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

500000

400000

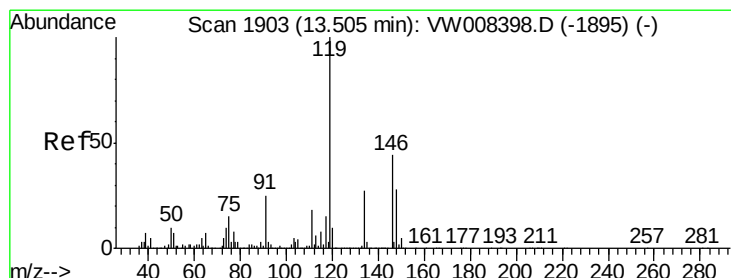
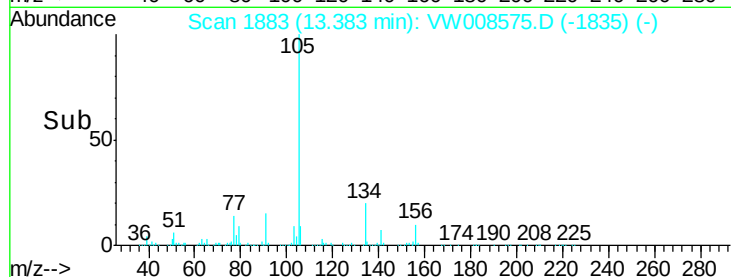
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.734 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

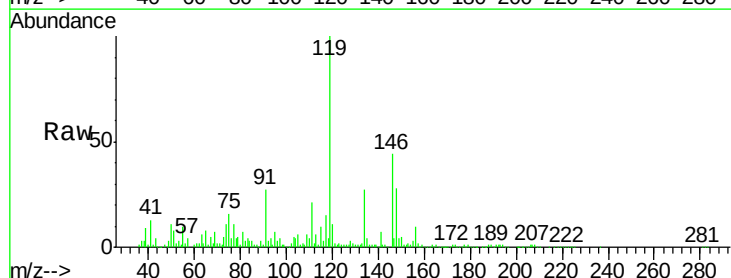
Tgt Ion:119 Resp: 694063

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 25.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

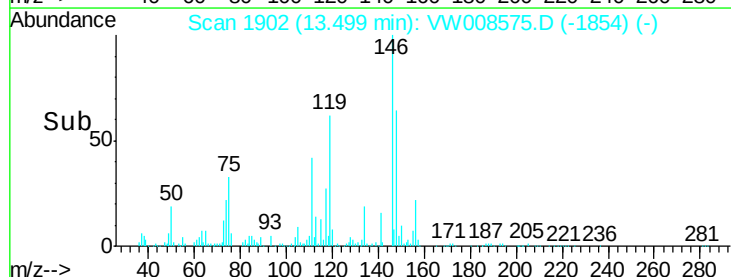
300000

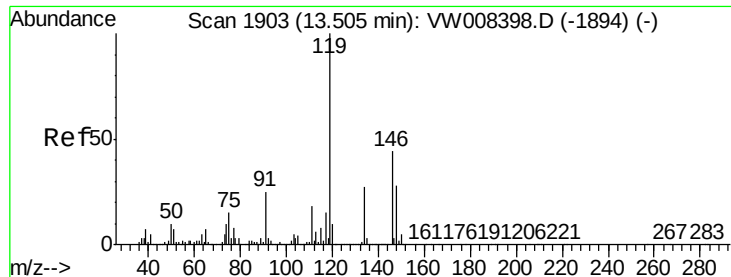
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.280 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008575.D

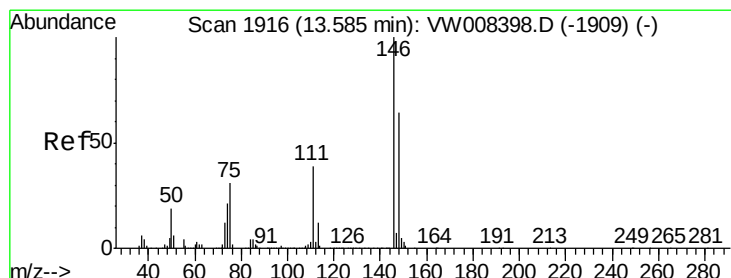
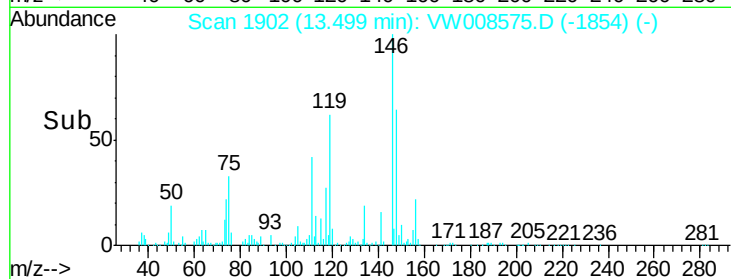
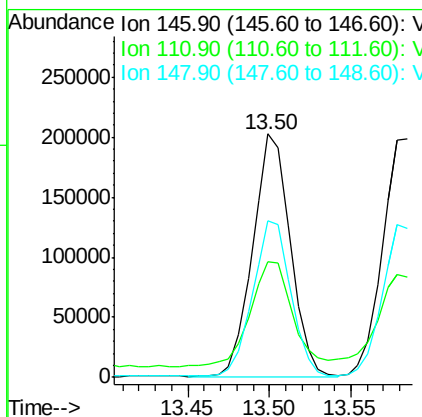
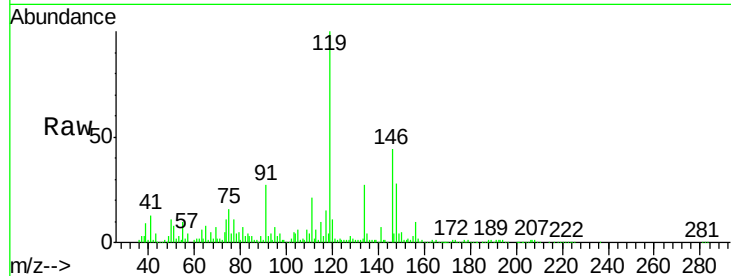
Acq: 08 Feb 2019 15:41

Instrument :
MSVOA_W

ClientSampleId :
VW0208SBSD01

Tot Ion:146 Resp: 321797

Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.3	60.9
148	64.8	31.9	95.7



#88

1,4-Dichlorobenzene

Concen: 20.725 ug/l

RT: 13.58 min Scan# 1916

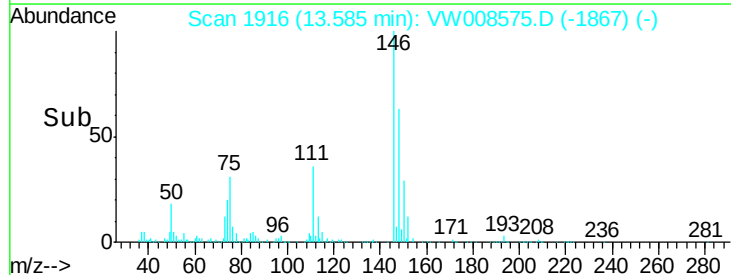
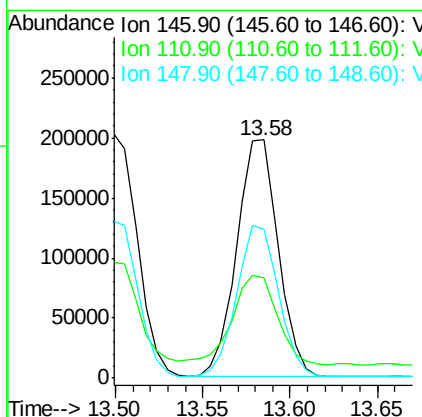
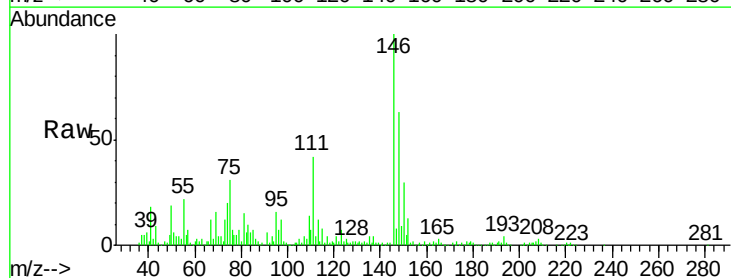
Delta R.T. 0.00 min

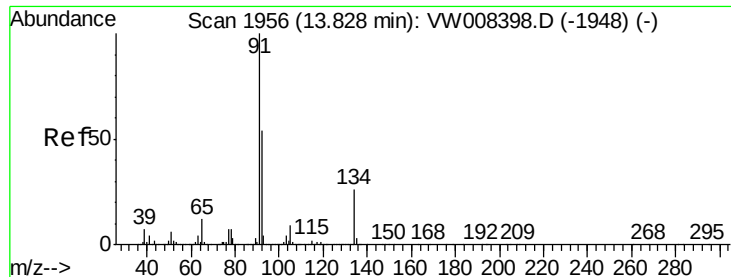
Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Tgt Ion:146 Resp: 326823

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.0	60.0
148	64.5	32.0	96.2





#89

n-Butylbenzene

Concen: 21.030 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008575.D

Acq: 08 Feb 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

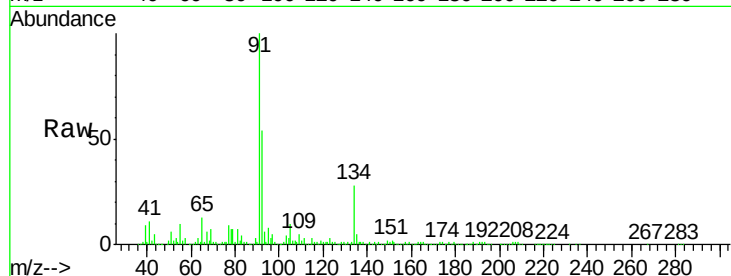
Tot Ion: 91 Resp: 691175

Ion Ratio Lower Upper

91 100

92 54.1 27.4 82.2

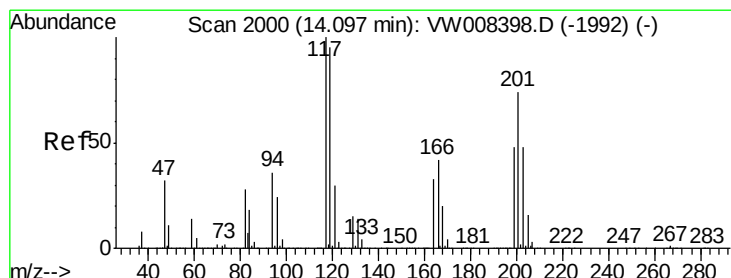
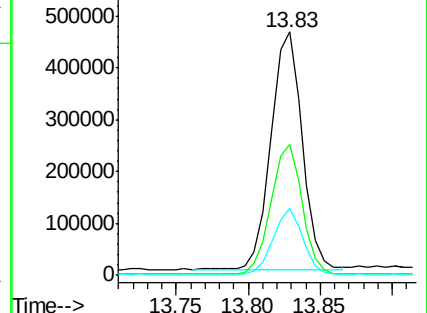
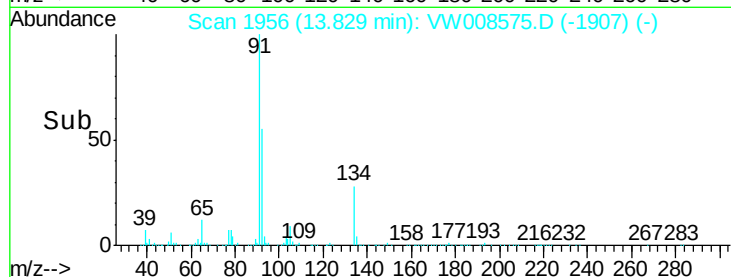
134 26.7 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 22.640 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008575.D

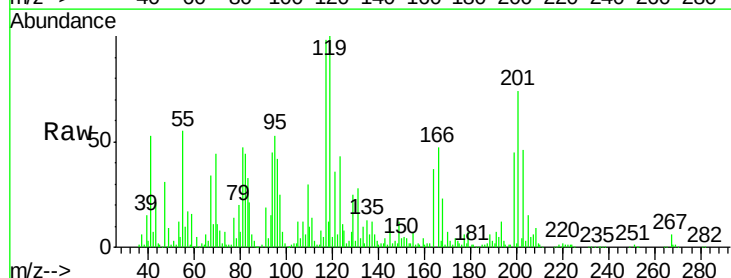
Acq: 08 Feb 2019 15:41

Tgt Ion: 117 Resp: 148210

Ion Ratio Lower Upper

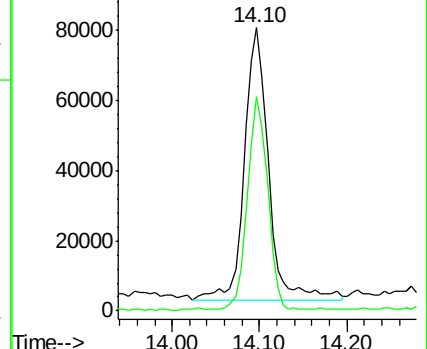
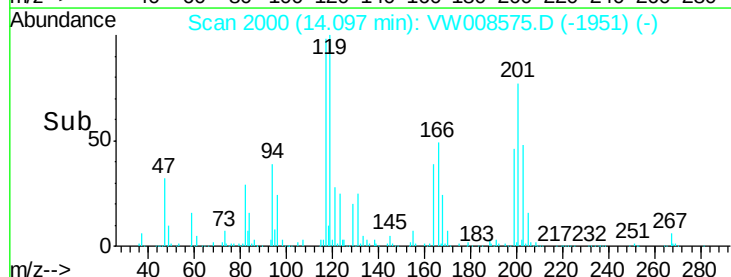
117 100

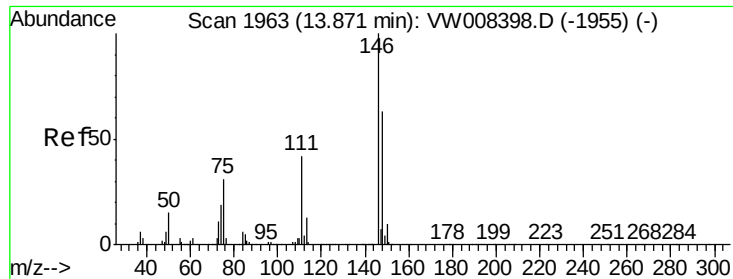
201 65.8 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

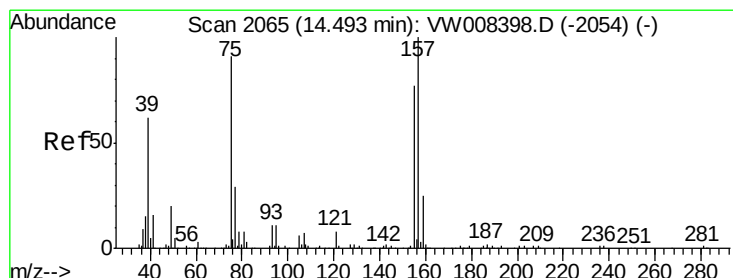
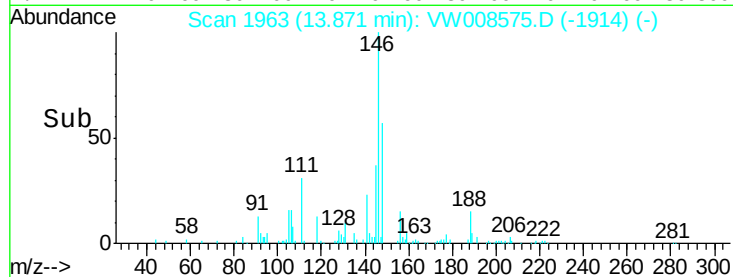
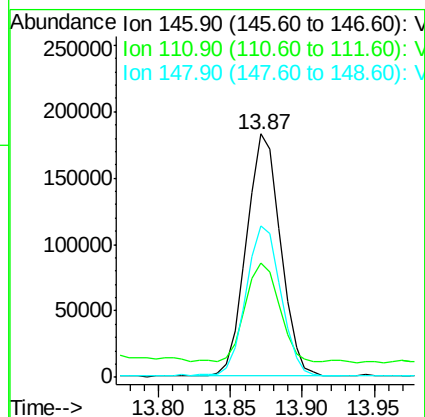
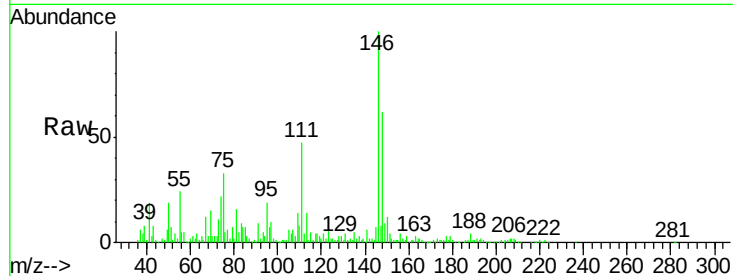




#91
 1,2-Dichlorobenzene
 Concen: 21.362 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

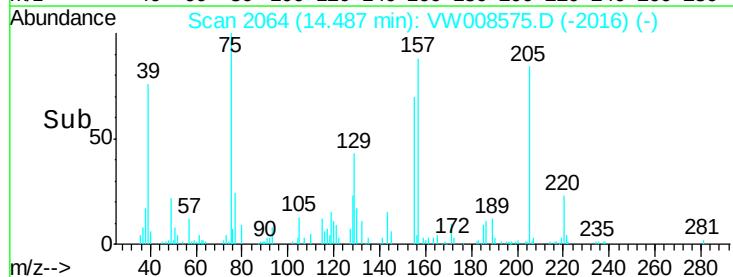
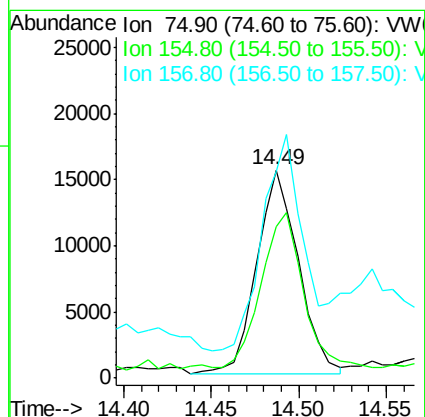
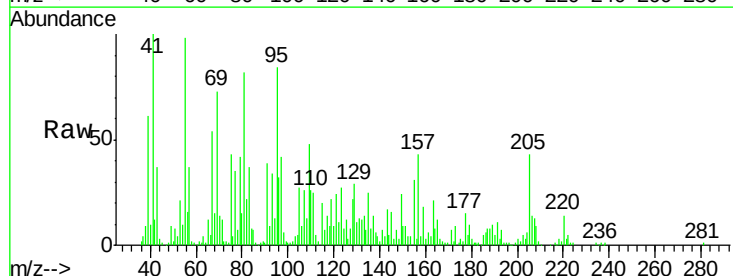
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

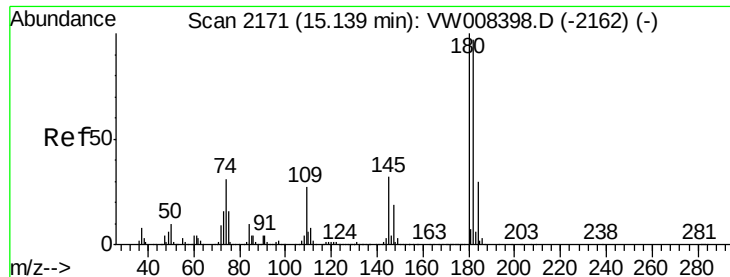
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.3
148	62.8	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.746 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	42.7	128.1
157	104.6	55.5	166.3

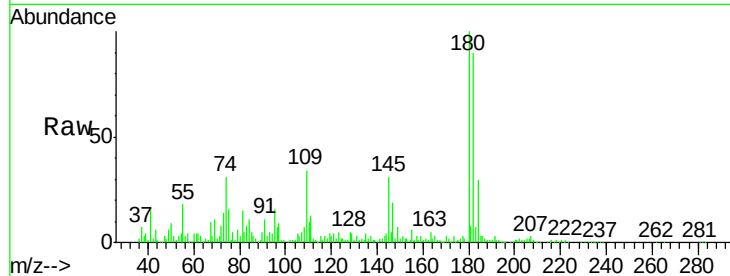




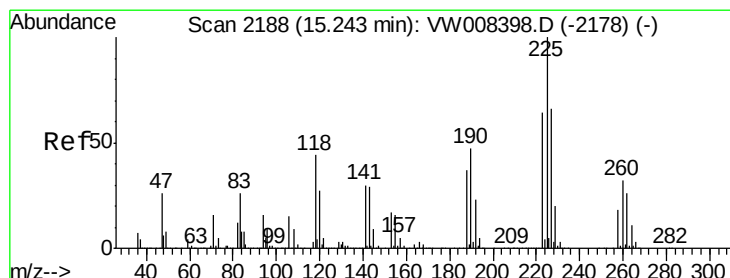
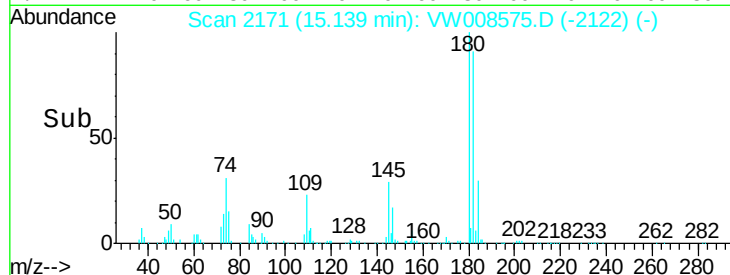
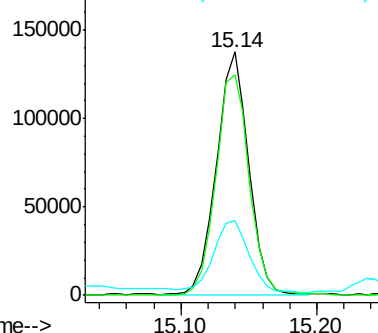
#93
 1,2,4-Trichlorobenzene
 Concen: 22.458 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	33.1	15.5	46.5

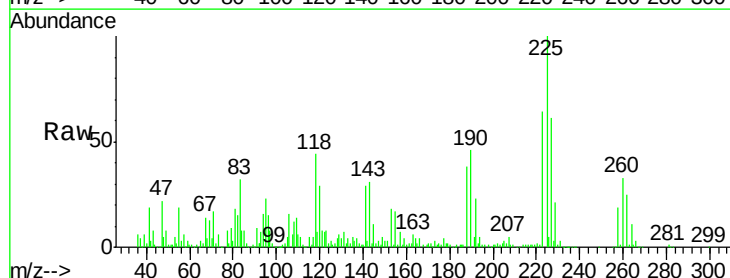


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

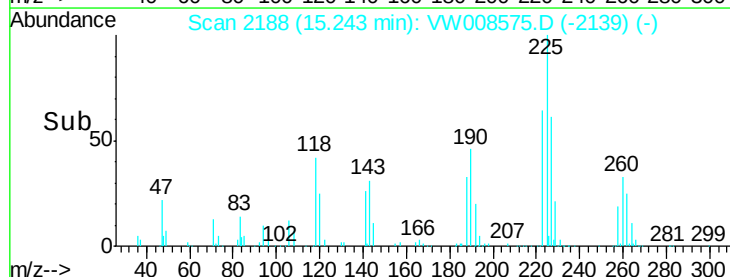
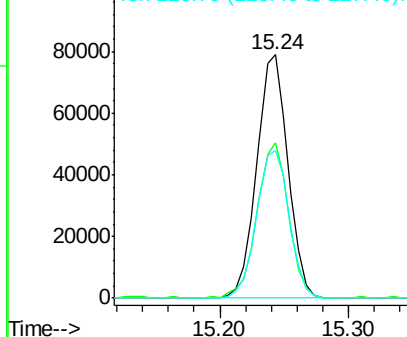


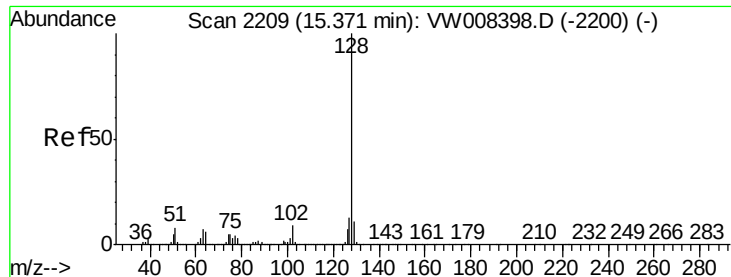
#94
 Hexachlorobutadiene
 Concen: 21.811 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008575.D
 Acq: 08 Feb 2019 15:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.7	95.1
227	63.0	32.1	96.3



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

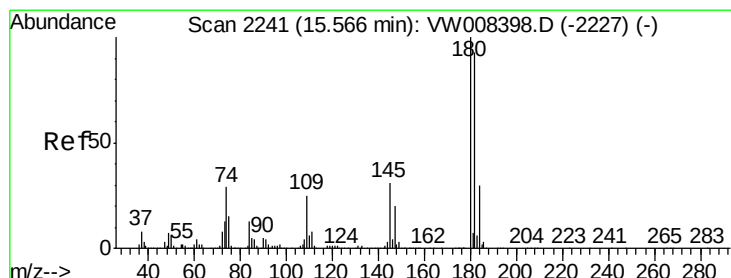
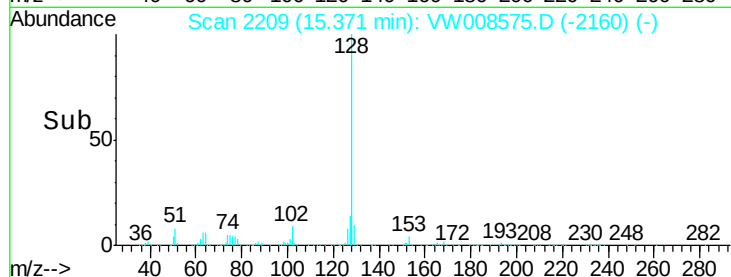
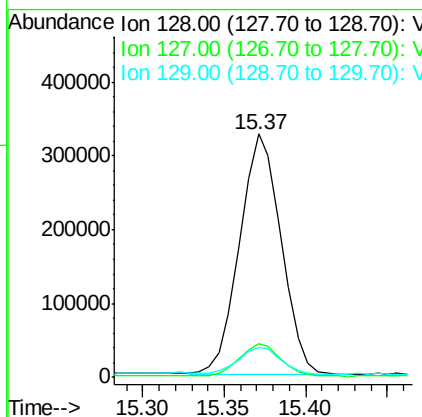
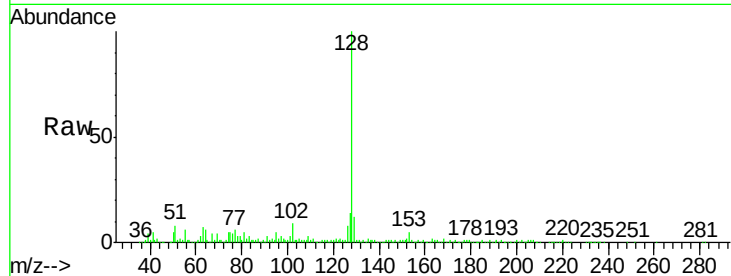




#95
Naphthalene
Concen: 32.694 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion:128 Resp: 575146
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 12.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.811 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008575.D
Acq: 08 Feb 2019 15:41

Tgt Ion:180 Resp: 193864
Ion Ratio Lower Upper
180 100
182 96.0 47.0 141.2
145 39.4 15.9 47.6

