

Data File : VW011141.D
Acq On : 03 Jul 2019 15:51
Operator : SY/VA
Sample : VW0704SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Quant Time: Jul 04 03:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	219278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	133420	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
35) Dibromofluoromethane	7.88	113	106780	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.32	98	449875	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	158399	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	38926	23.548	ug/l	94
3) Chloromethane	2.21	50	46730	21.088	ug/l	98
4) Vinyl Chloride	2.35	62	61069	21.166	ug/l	96
5) Bromomethane	2.72	94	28189	19.628	ug/l	91
6) Chloroethane	2.89	64	30647	20.147	ug/l	94
7) Trichlorofluoromethane	3.23	101	19465	22.957	ug/l	90
8) Diethyl Ether	3.67	74	26697	19.881	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	48759	20.447	ug/l	99
10) Methyl Iodide	4.26	142	63543	19.046	ug/l	99
11) Tert butyl alcohol	5.17	59	17083	82.054	ug/l	100
12) 1,1-Dichloroethene	4.03	96	49534	19.956	ug/l	97
13) Acrolein	3.89	56	12753	78.553	ug/l	95
14) Allyl chloride	4.65	41	91534	22.912	ug/l	99
15) Acrylonitrile	5.36	53	61981	93.732	ug/l	99
16) Acetone	4.12	43	64623	92.357	ug/l	99
17) Carbon Disulfide	4.37	76	135855	19.293	ug/l	99
18) Methyl Acetate	4.66	43	38309	21.136	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	69017	19.645	ug/l	95
20) Methylene Chloride	4.90	84	55538	19.536	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	53075	20.751	ug/l	93
22) Diisopropyl ether	6.31	45	196463	20.436	ug/l	96
23) Vinyl Acetate	6.24	43	543587	91.767	ug/l	99
24) 1,1-Dichloroethane	6.20	63	103964	20.487	ug/l	99
25) 2-Butanone	7.16	43	91847	86.356	ug/l	98
26) 2,2-Dichloropropane	7.16	77	49313	18.717	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56147	20.388	ug/l	98
28) Bromochloromethane	7.51	49	46008	19.476	ug/l	99
29) Tetrahydrofuran	7.52	42	59372	89.674	ug/l	99
30) Chloroform	7.67	83	95918	20.806	ug/l	97
31) Cyclohexane	7.95	56	111837	20.396	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	70289	20.403	ug/l	99
36) 1,1-Dichloropropene	8.08	75	81092	21.061	ug/l	99
37) Ethyl Acetate	7.24	43	40493	18.078	ug/l	99
38) Carbon Tetrachloride	8.06	117	64735	20.416	ug/l	96

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	97880	20.657	ug/l	98
40) Benzene	8.32	78	220097	20.784	ug/l	100
41) Methacrylonitrile	7.48	41	25804	18.935	ug/l	96
42) 1,2-Dichloroethane	8.40	62	68951	19.858	ug/l	100
43) Isopropyl Acetate	8.42	43	77111	18.198	ug/l	98
44) Trichloroethene	9.09	130	52584	20.546	ug/l	95
45) 1,2-Dichloropropane	9.37	63	58573	20.368	ug/l	99
46) Dibromomethane	9.46	93	25859	19.227	ug/l	99
47) Bromodichloromethane	9.64	83	66364	19.930	ug/l	98
48) Methyl methacrylate	9.43	41	37825	18.411	ug/l	97
49) 1,4-Dioxane	9.45	88	7671	339.218	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	201456	90.321	ug/l	100
52) Toluene	10.38	92	135576	20.911	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65331	18.836	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	82362	19.906	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37277	19.618	ug/l	96
56) Ethyl methacrylate	10.65	69	52997	18.625	ug/l	99
57) 1,3-Dichloropropane	10.93	76	70862	19.605	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	135785	94.316	ug/l	99
59) 2-Hexanone	10.97	43	140510	90.334	ug/l	99
60) Dibromochloromethane	11.13	129	37950	19.046	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33919	19.068	ug/l	98
64) Tetrachloroethene	10.86	164	44016	20.638	ug/l	99
65) Chlorobenzene	11.66	112	132227	20.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44537	20.678	ug/l	100
67) Ethyl Benzene	11.73	91	257979	21.232	ug/l	100
68) m/p-Xylenes	11.84	106	189221	42.918	ug/l	100
69) o-Xylene	12.16	106	87705	21.357	ug/l	99
70) Styrene	12.18	104	149382	20.933	ug/l	100
71) Bromoform	12.35	173	19830	18.885	ug/l #	98
73) Isopropylbenzene	12.46	105	244145	21.149	ug/l	99
74) N-amyl acetate	12.27	43	71669	18.486	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	43557	19.214	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	55247	33.960	ug/l #	100
77) Bromobenzene	12.75	156	51516	20.303	ug/l	99
78) n-propylbenzene	12.80	91	304558	21.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	171547	21.005	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208296	21.289	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12006	18.517	ug/l	96
82) 4-Chlorotoluene	12.99	91	177659	20.874	ug/l	99
83) tert-Butylbenzene	13.21	119	171700	21.044	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	207732	21.005	ug/l	99
85) sec-Butylbenzene	13.38	105	250872	21.166	ug/l	100
86) p-Isopropyltoluene	13.50	119	223459	20.950	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104393	20.799	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	102727	20.503	ug/l	99
89) n-Butylbenzene	13.82	91	228433	21.071	ug/l	100
90) Hexachloroethane	14.10	117	36331	19.908	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	92000	20.408	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6905	17.923	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070419\
Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :
VW0704SBS01

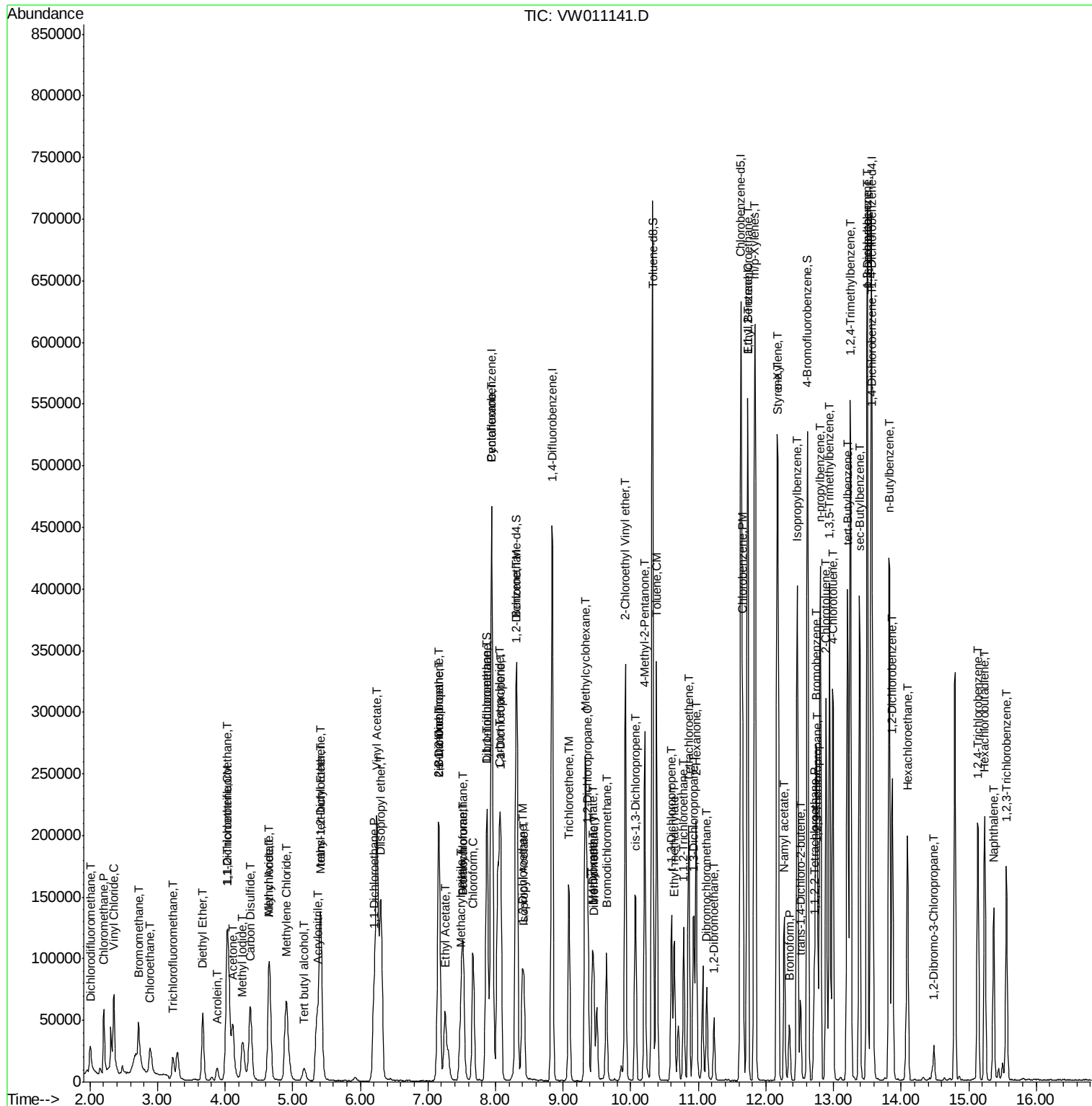
Quant Time: Jul 04 03:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
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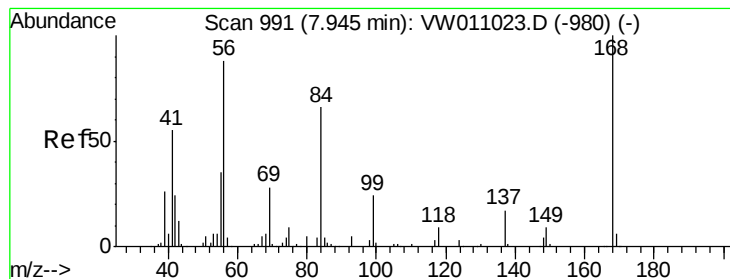
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	65665	20.703	ug/l	99
94) Hexachlorobutadiene	15.24	225	39714	20.644	ug/l	98
95) Naphthalene	15.37	128	113528	19.055	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	56379	19.907	ug/l	100

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

Instrument :
MSVOA_W
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

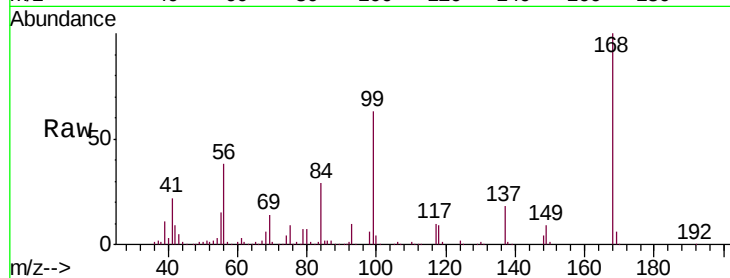
VW0704SBS01

Tgt Ion:168 Resp: 219278

Ion Ratio Lower Upper

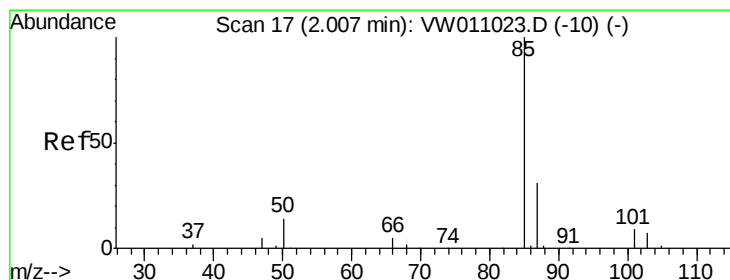
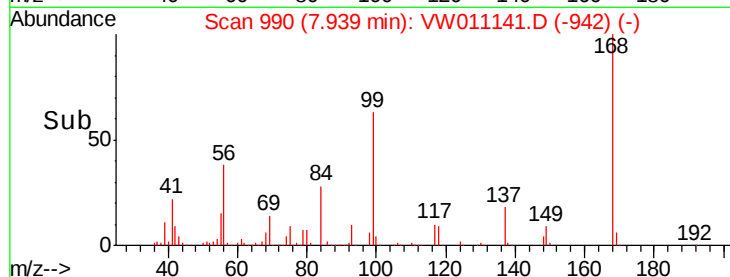
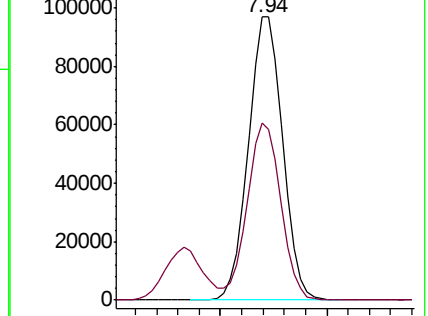
168 100

99 62.5 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.548 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011141.D

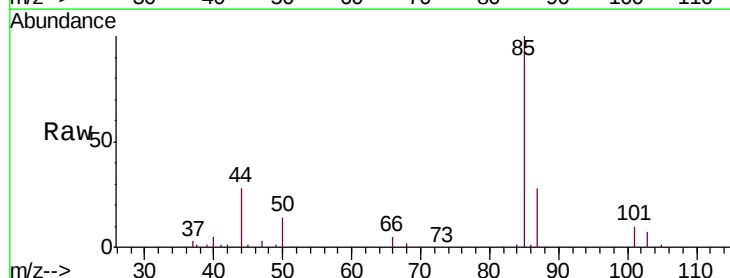
Acq: 03 Jul 2019 15:51

Tgt Ion: 85 Resp: 38926

Ion Ratio Lower Upper

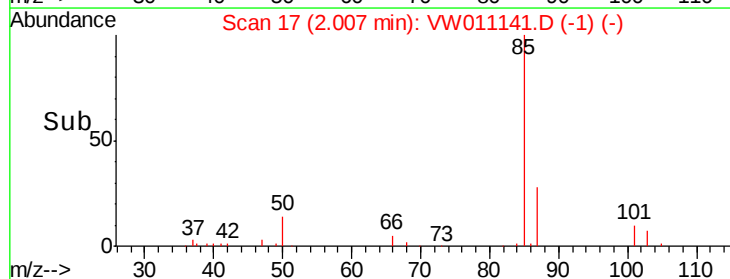
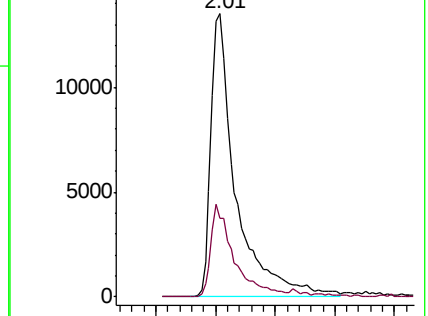
85 100

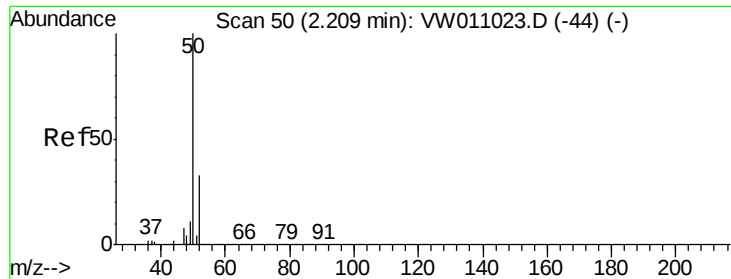
87 27.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

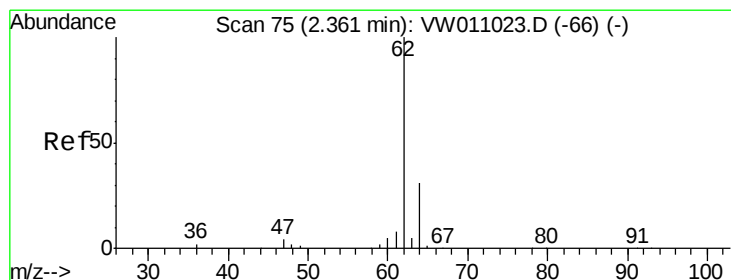
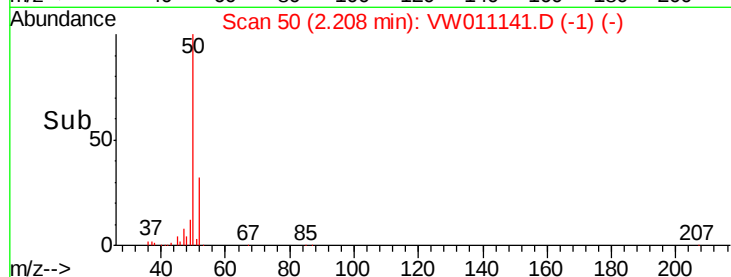
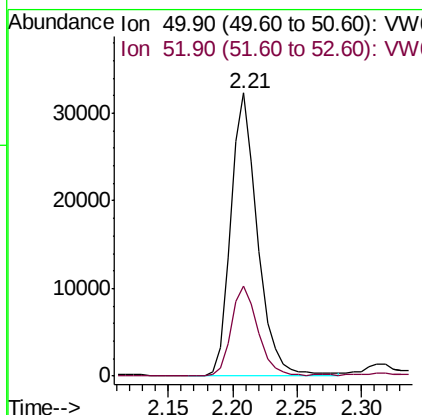
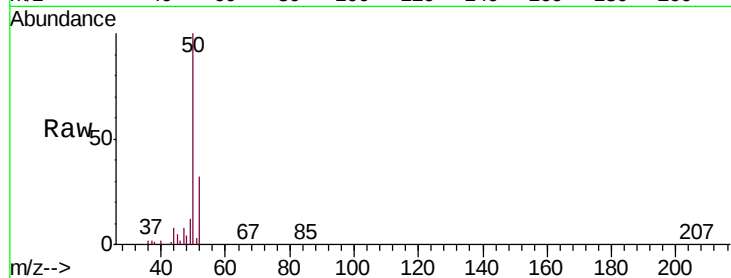




#3
Chloromethane
Concen: 21.088 ug/l
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

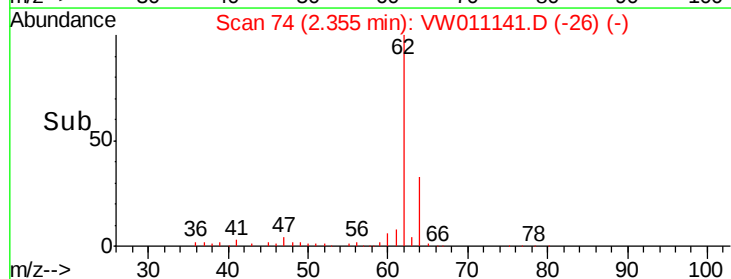
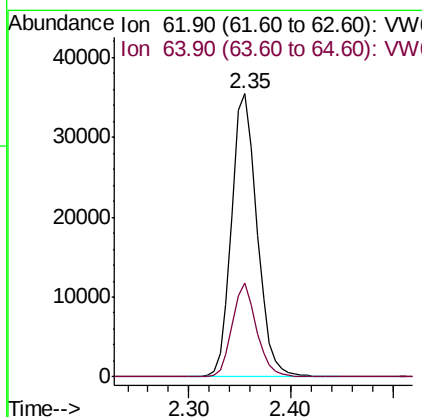
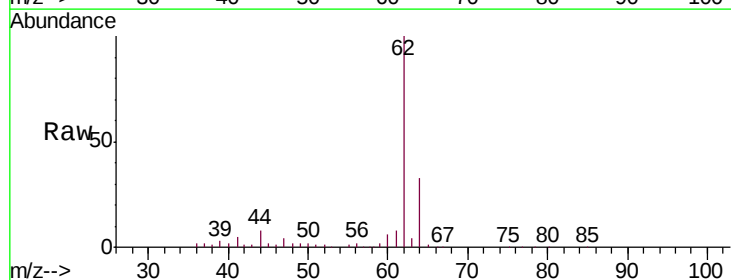
Instrument :
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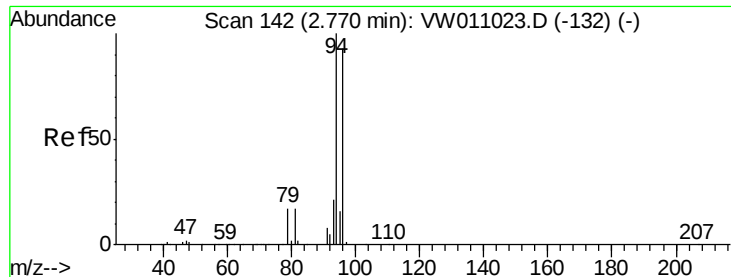
Tgt Ion: 50 Resp: 46730
Ion Ratio Lower Upper
50 100
52 32.1 26.6 40.0



#4
Vinyl Chloride
Concen: 21.166 ug/l
RT: 2.35 min Scan# 74
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 62 Resp: 61069
Ion Ratio Lower Upper
62 100
64 33.1 24.8 37.2





#5

Bromomethane

Concen: 19.628 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

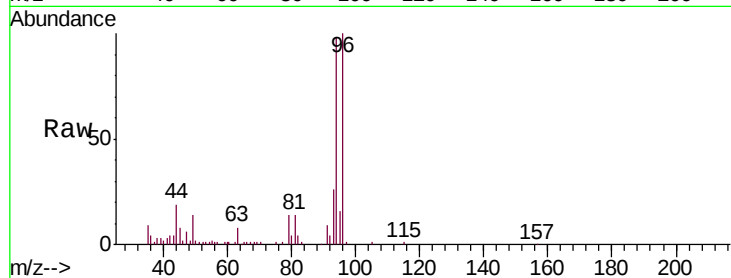
VW0704SBS01

Tgt Ion: 94 Resp: 28189

Ion Ratio Lower Upper

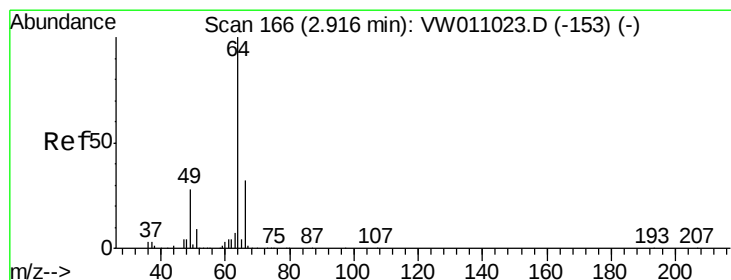
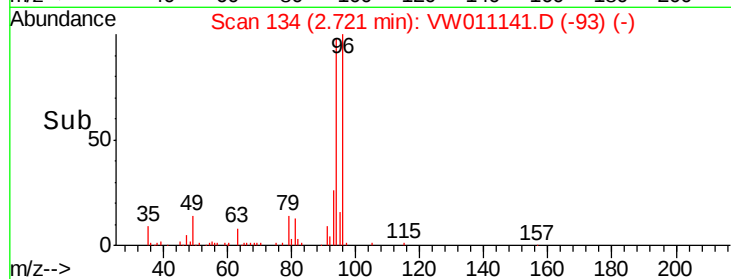
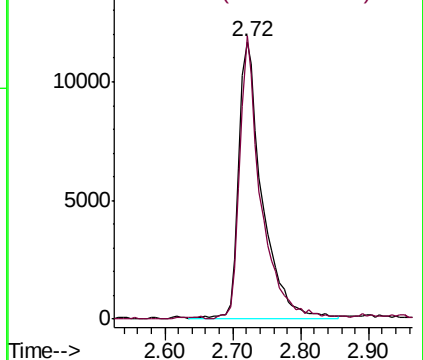
94 100

96 101.3 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.147 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW011141.D

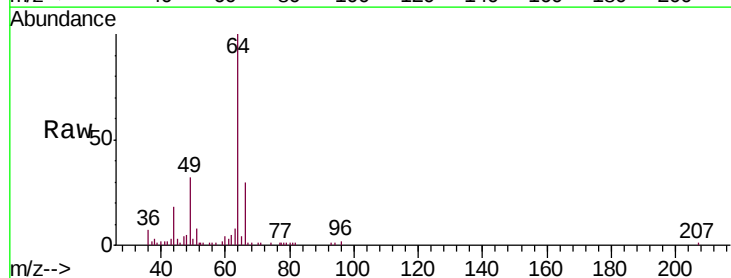
Acq: 03 Jul 2019 15:51

Tgt Ion: 64 Resp: 30647

Ion Ratio Lower Upper

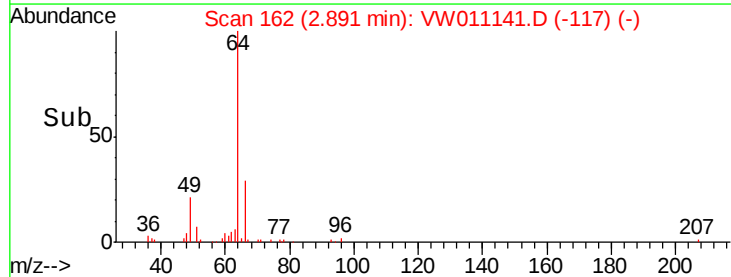
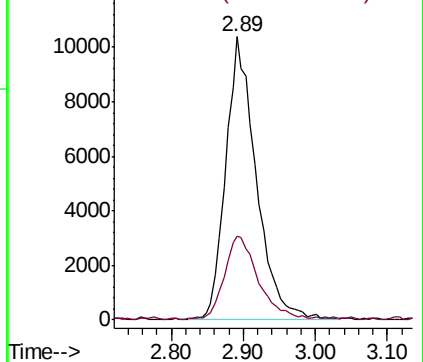
64 100

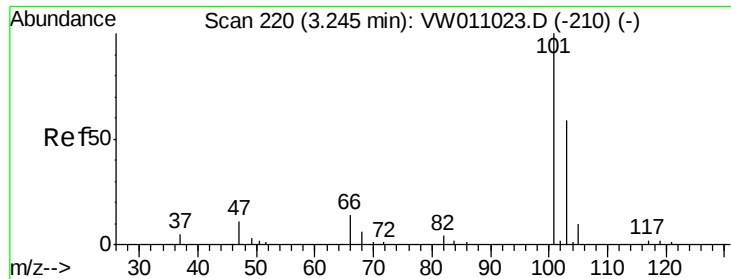
66 29.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



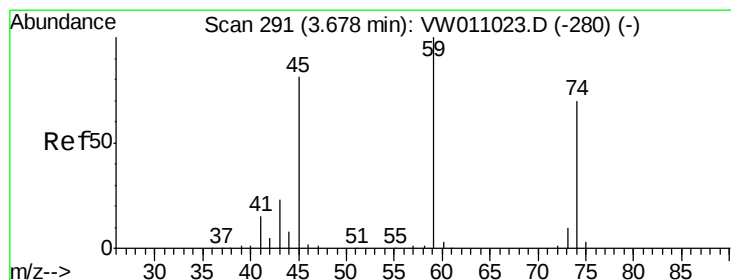
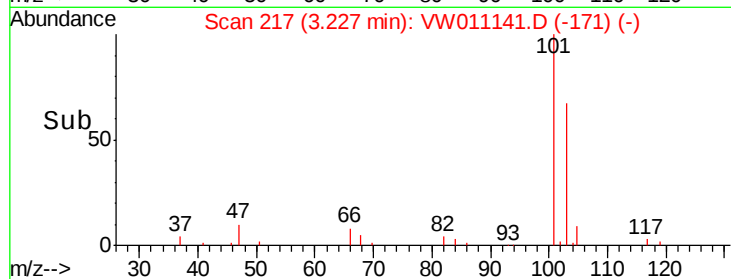
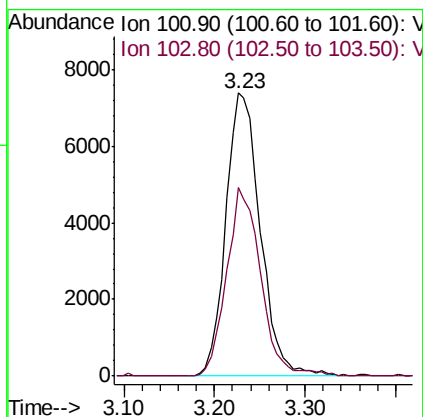
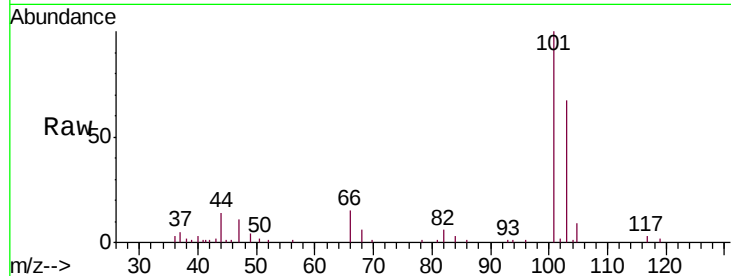


#7

Trichlorofluoromethane
 Concen: 22.957 ug/l
 RT: 3.23 min Scan# 217
 Delta R.T. -0.02 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

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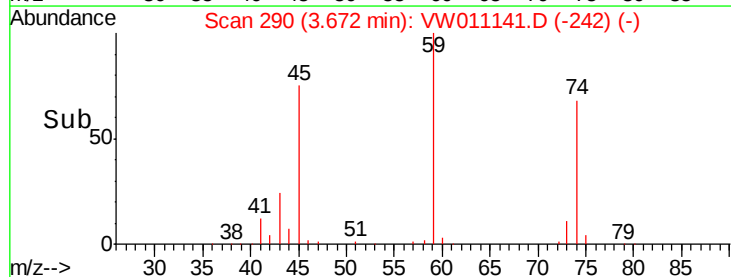
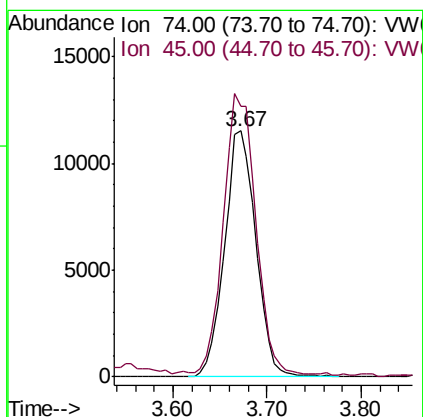
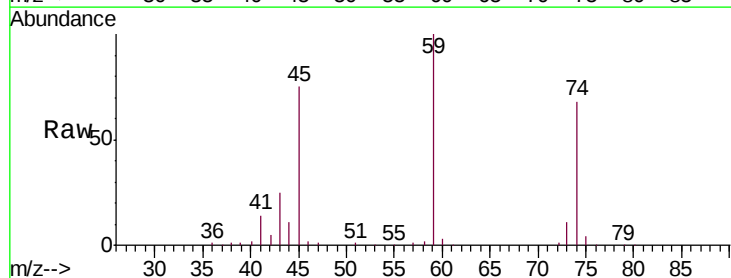
Tgt Ion:101 Resp: 19465
 Ion Ratio Lower Upper
 101 100
 103 66.6 47.5 71.3

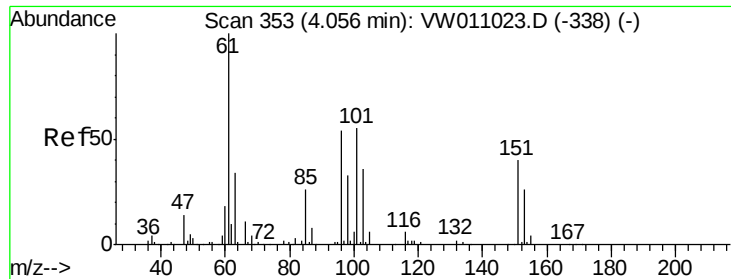


#8

Diethyl Ether
 Concen: 19.881 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 74 Resp: 26697
 Ion Ratio Lower Upper
 74 100
 45 117.5 59.5 178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.447 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

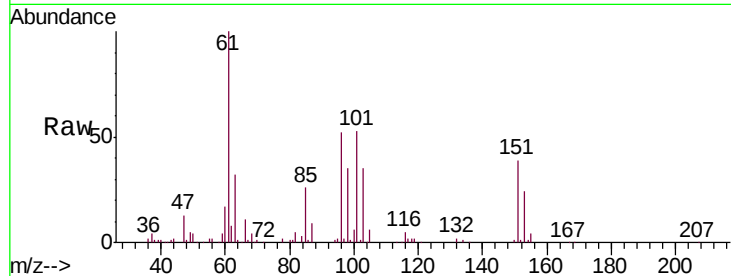
Tgt Ion:101 Resp: 48759

Ion Ratio Lower Upper

101 100

85 46.5 36.6 55.0

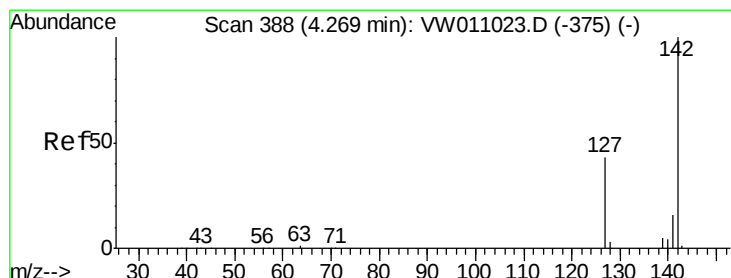
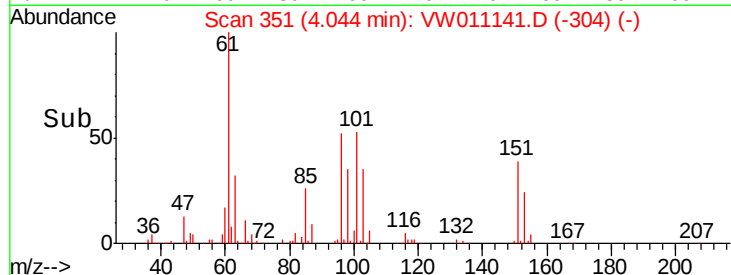
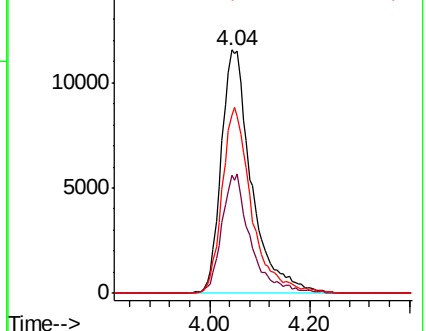
151 74.3 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.046 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

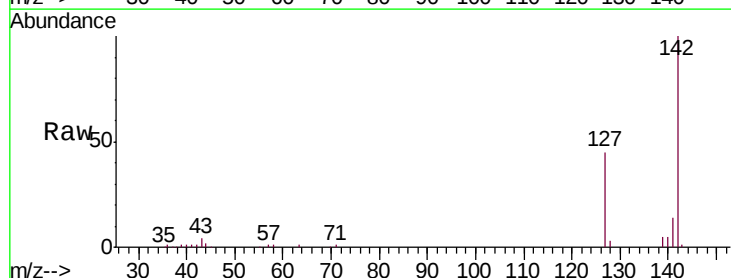
Tgt Ion:142 Resp: 63543

Ion Ratio Lower Upper

142 100

127 45.6 35.8 53.8

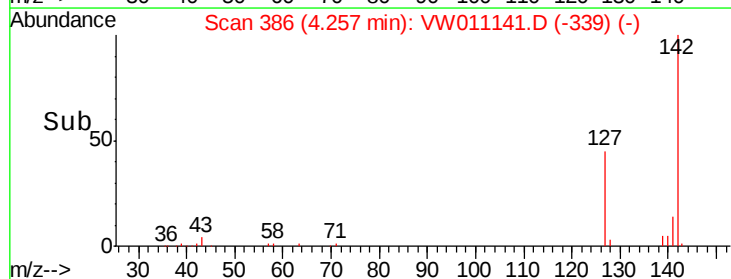
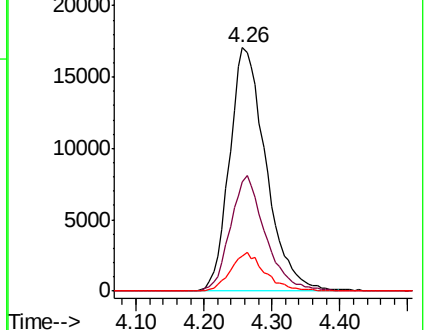
141 15.1 12.2 18.2

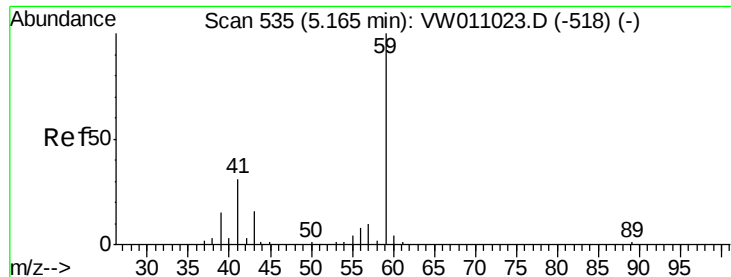


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

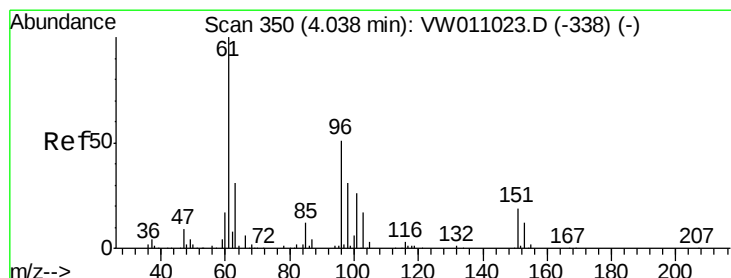
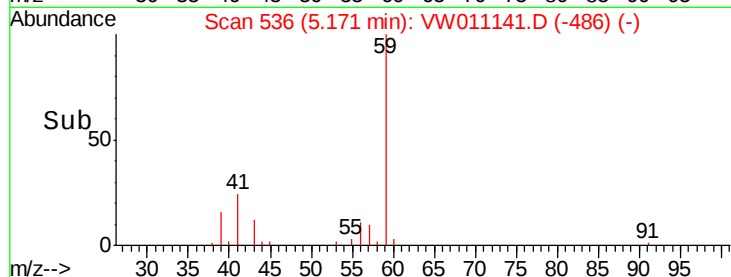
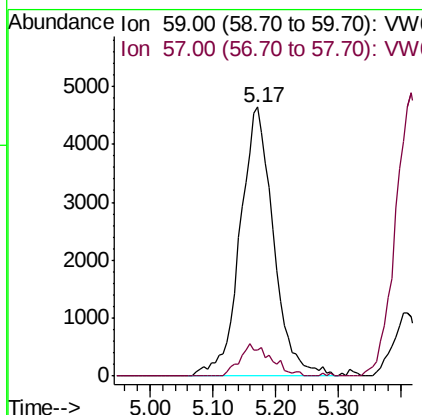
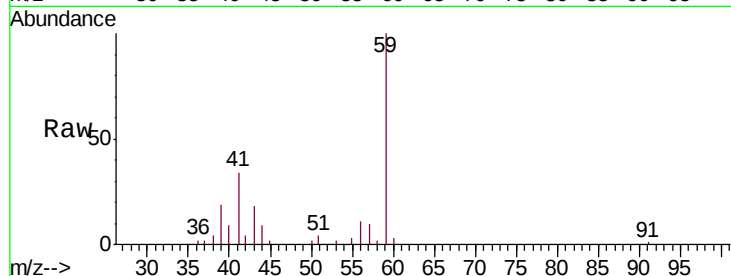




#11
Tert butyl alcohol
Concen: 82.054 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

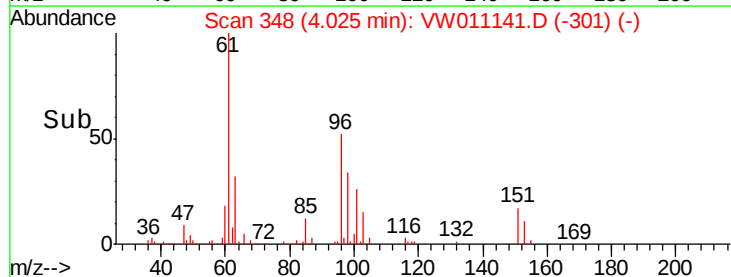
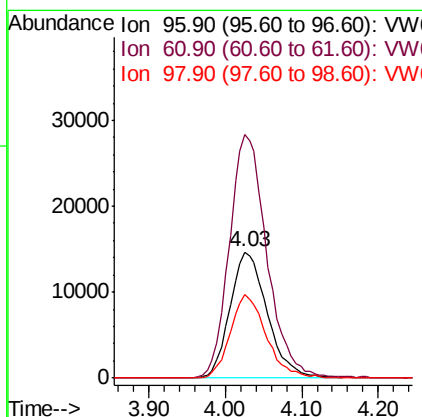
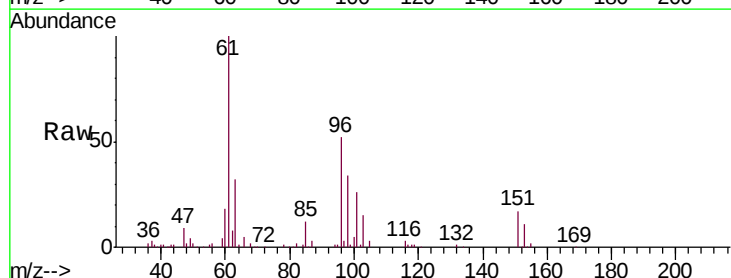
Instrument :
MSVOA_W
ClientSampled :
VW0704SBS01

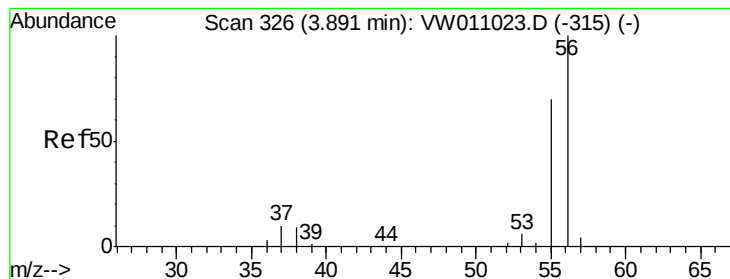
Tgt Ion: 59 Resp: 17083
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.4



#12
1,1-Dichloroethene
Concen: 19.956 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 96 Resp: 49534
Ion Ratio Lower Upper
96 100
61 192.6 156.0 234.0
98 66.3 48.7 73.1





#13

Acrolein

Concen: 78.553 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

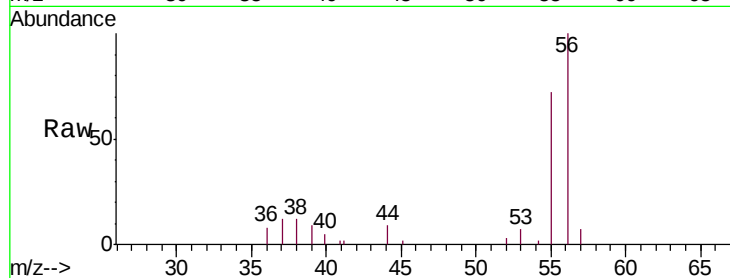
VW0704SBS01

Tgt Ion: 56 Resp: 12753

Ion Ratio Lower Upper

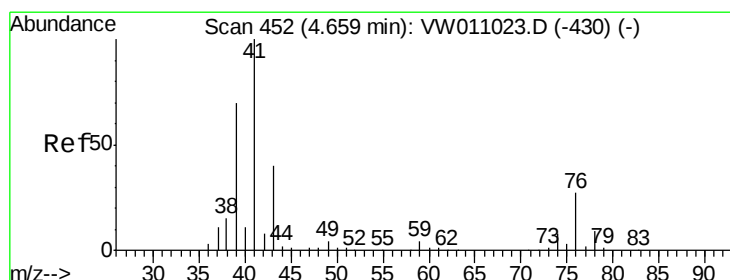
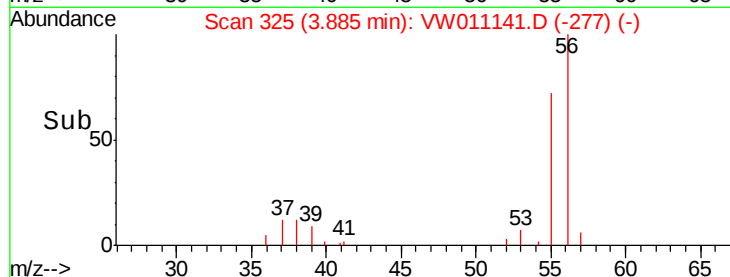
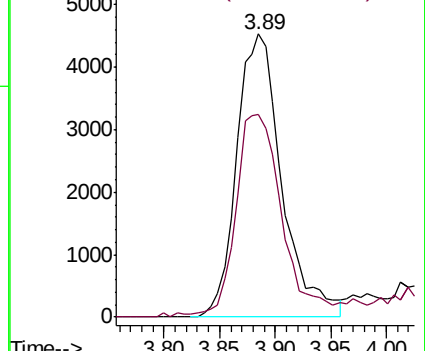
56 100

55 73.4 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 22.912 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

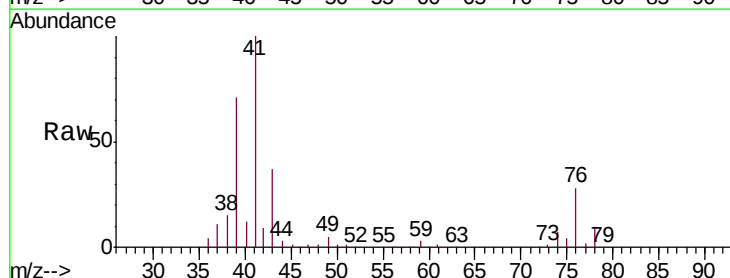
Tgt Ion: 41 Resp: 91534

Ion Ratio Lower Upper

41 100

39 69.9 55.4 83.2

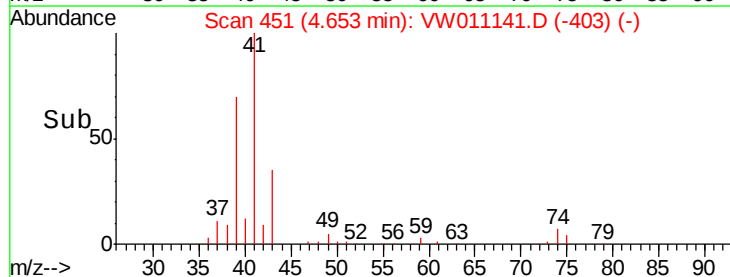
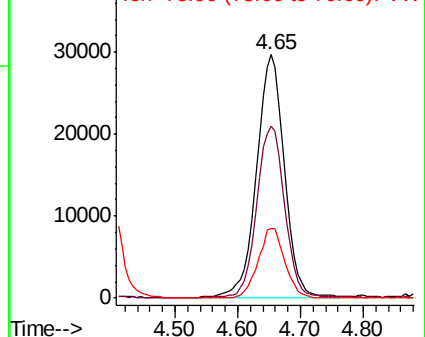
76 27.3 22.0 33.0

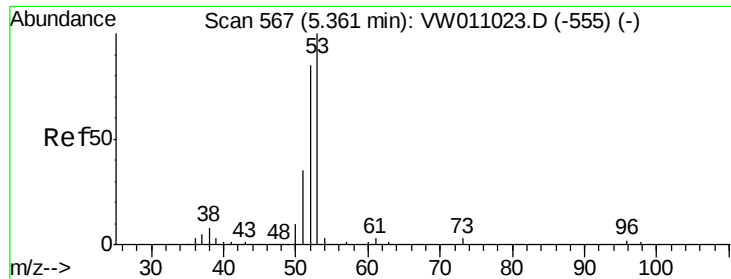


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 93.732 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

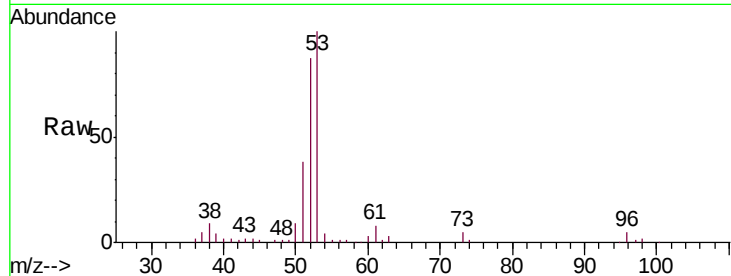
Tgt Ion: 53 Resp: 61981

Ion Ratio Lower Upper

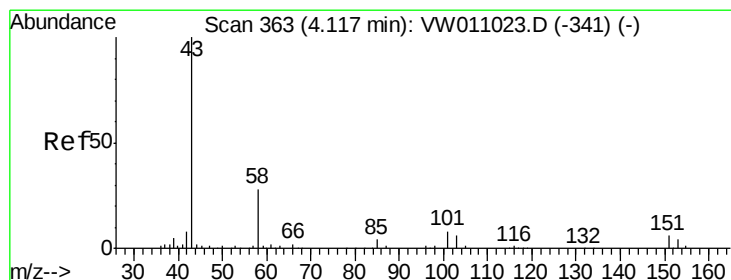
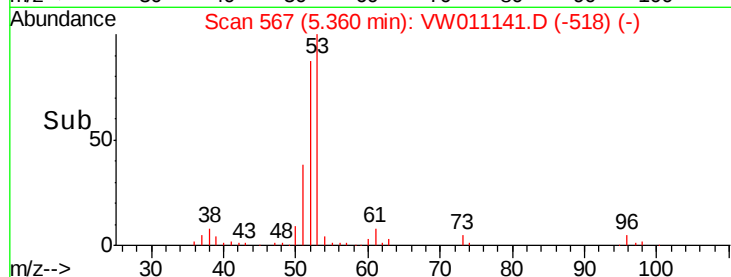
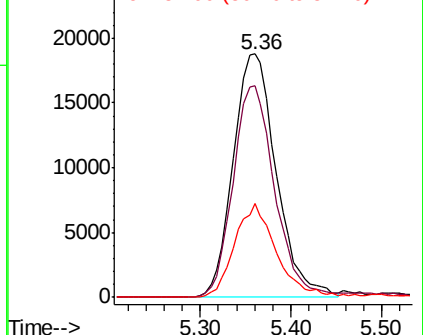
53 100

52 84.3 66.3 99.5

51 37.4 29.8 44.6



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



#16

Acetone

Concen: 92.357 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011141.D

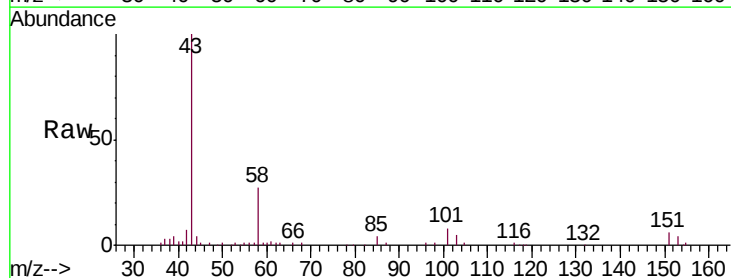
Acq: 03 Jul 2019 15:51

Tgt Ion: 43 Resp: 64623

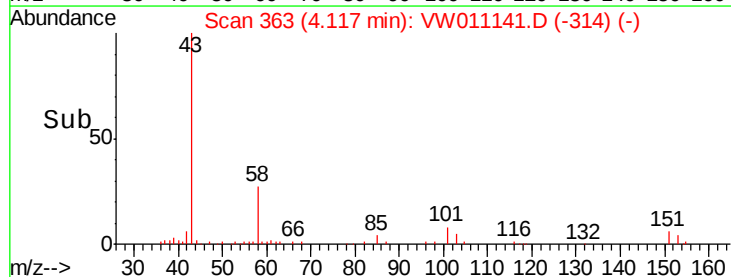
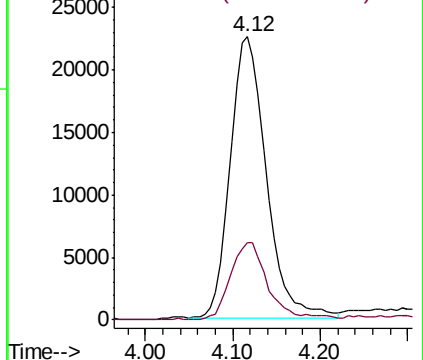
Ion Ratio Lower Upper

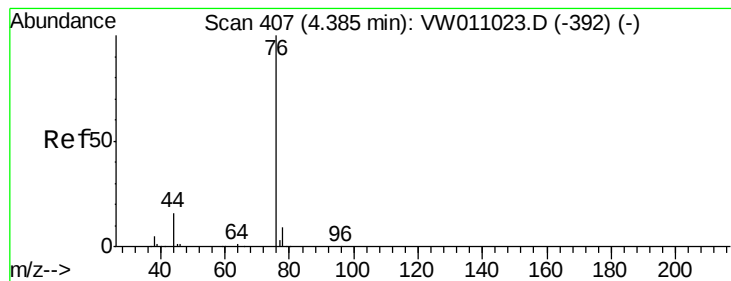
43 100

58 27.4 22.5 33.7



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





#17

Carbon Disulfide

Concen: 19.293 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

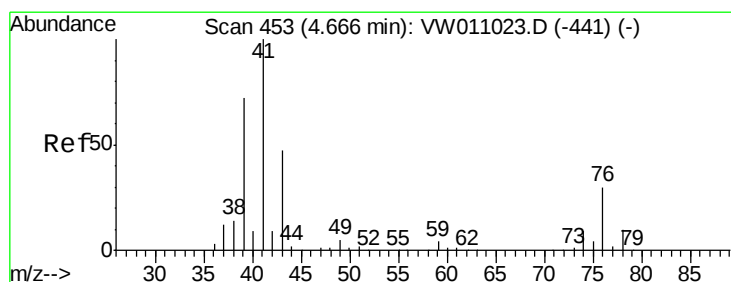
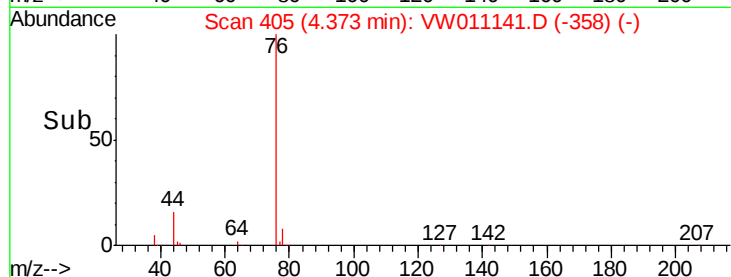
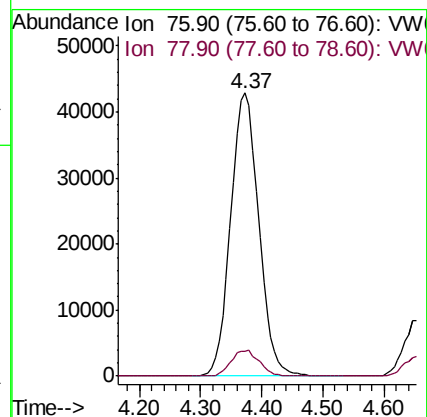
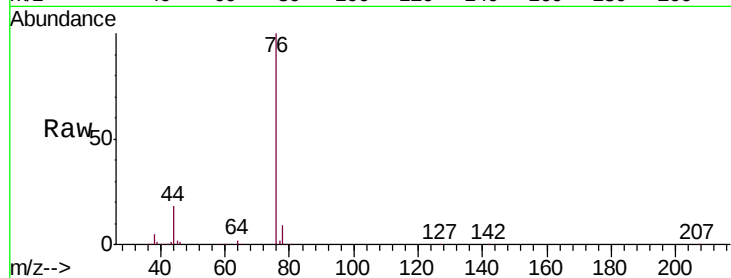
VW0704SBS01

Tgt Ion: 76 Resp: 135855

Ion Ratio Lower Upper

76 100

78 8.6 7.2 10.8



#18

Methyl Acetate

Concen: 21.136 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011141.D

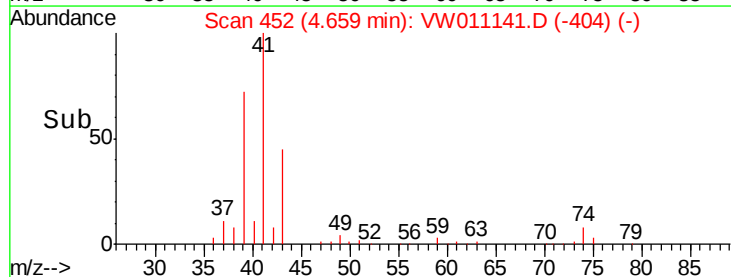
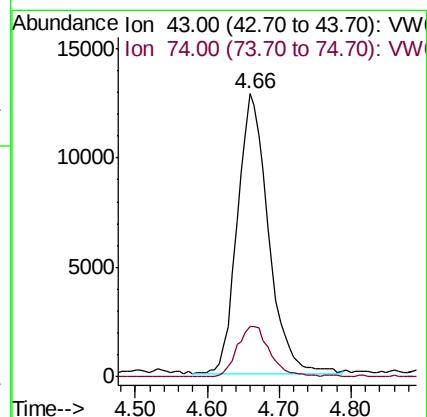
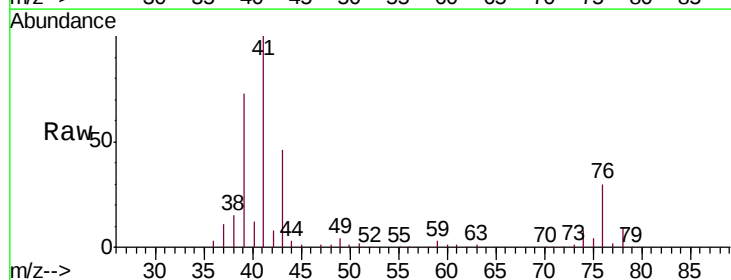
Acq: 03 Jul 2019 15:51

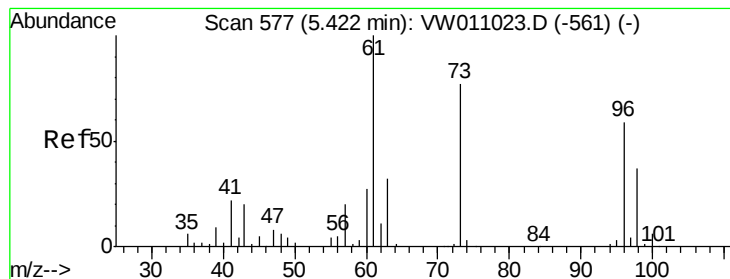
Tgt Ion: 43 Resp: 38309

Ion Ratio Lower Upper

43 100

74 19.0 15.8 23.8



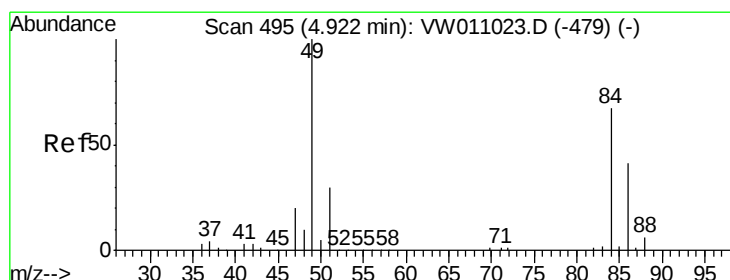
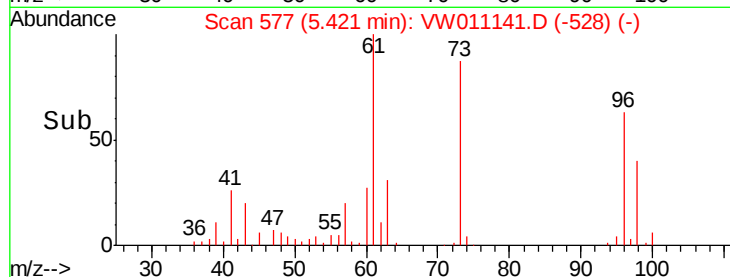
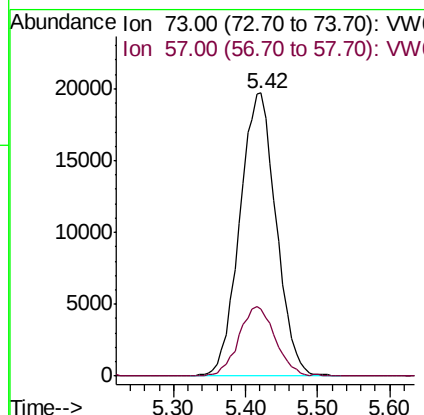
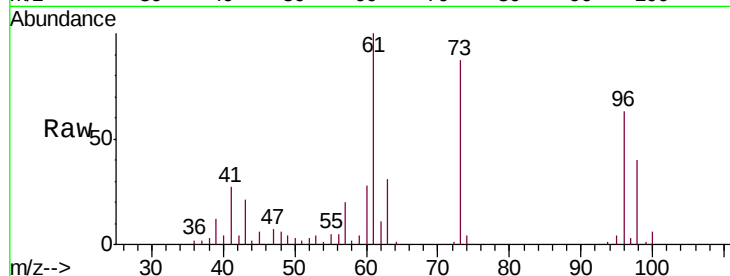


#19

Methyl tert-butyl Ether
 Concen: 19.645 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

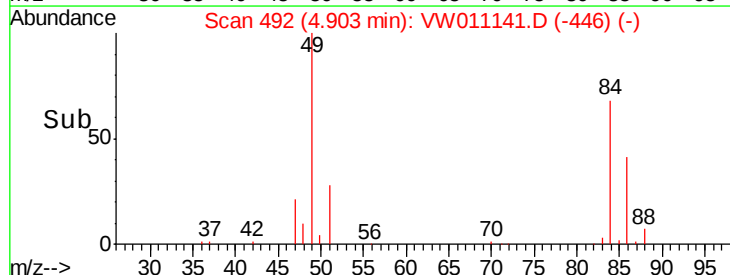
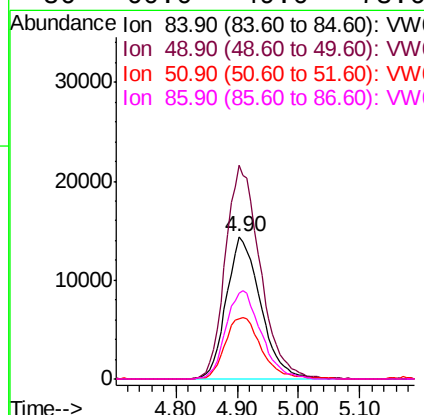
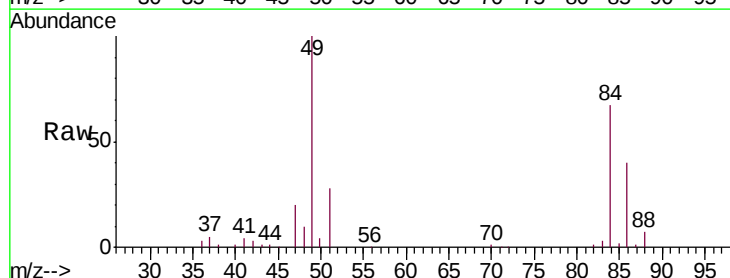
Tgt Ion: 73 Resp: 69017
 Ion Ratio Lower Upper
 73 100
 57 23.5 20.8 31.2

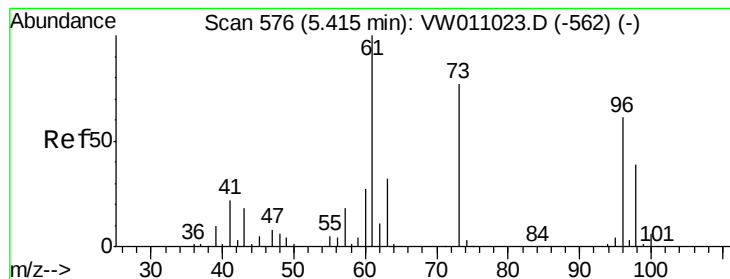


#20

Methylene Chloride
 Concen: 19.536 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 84 Resp: 55538
 Ion Ratio Lower Upper
 84 100
 49 150.3 119.6 179.4
 51 42.4 35.6 53.4
 86 60.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.751 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

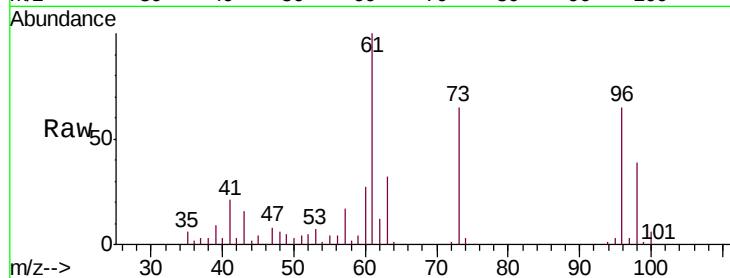
Tgt Ion: 96 Resp: 53075

Ion Ratio Lower Upper

96 100

61 153.3 131.0 196.4

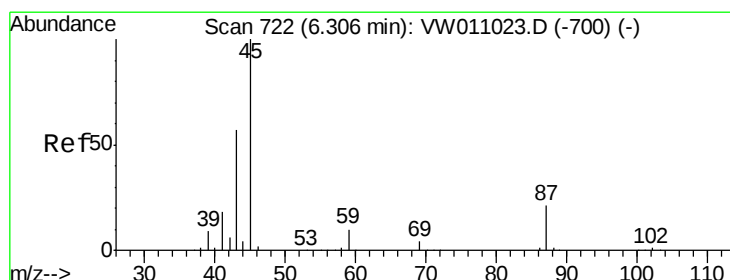
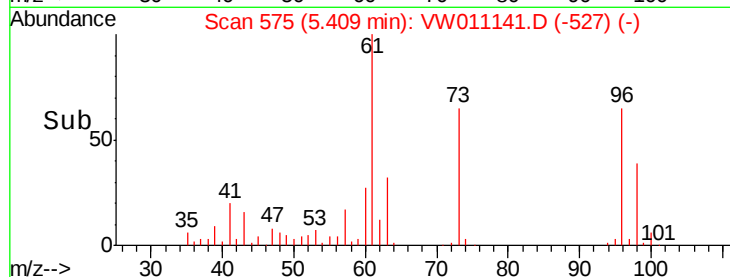
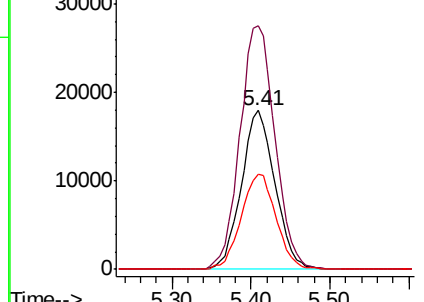
98 60.3 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.436 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion: 45 Resp: 196463

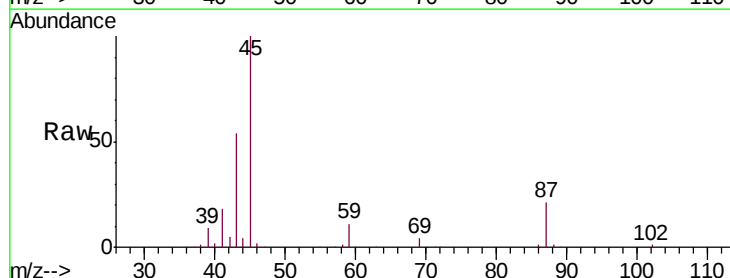
Ion Ratio Lower Upper

45 100

43 53.3 45.8 68.6

87 20.7 17.1 25.7

59 10.5 8.2 12.4

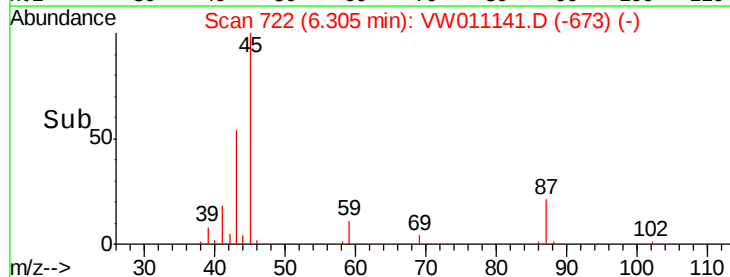
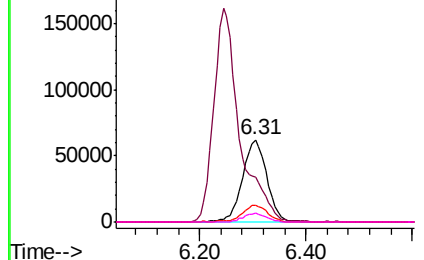


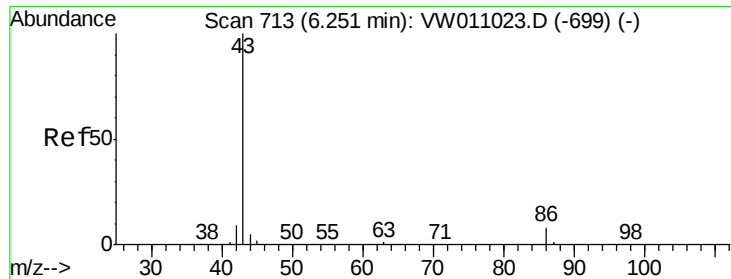
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 91.767 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

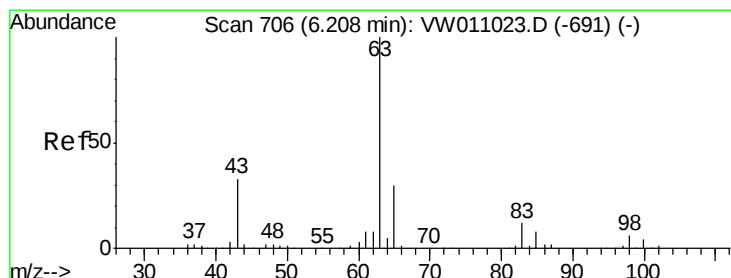
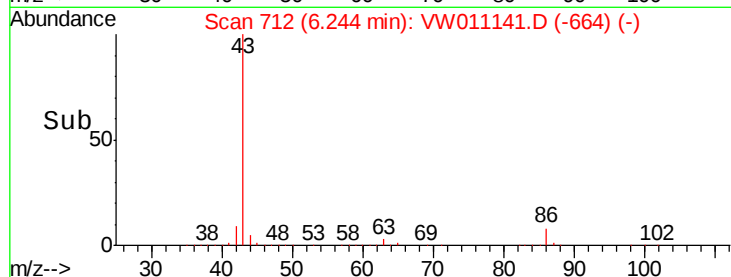
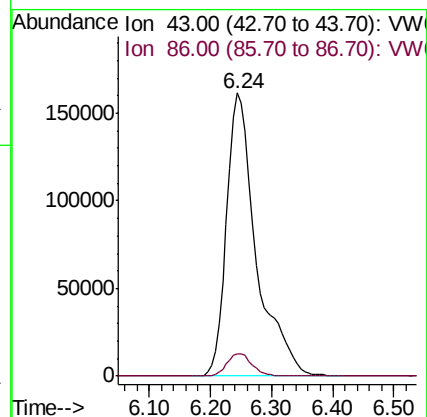
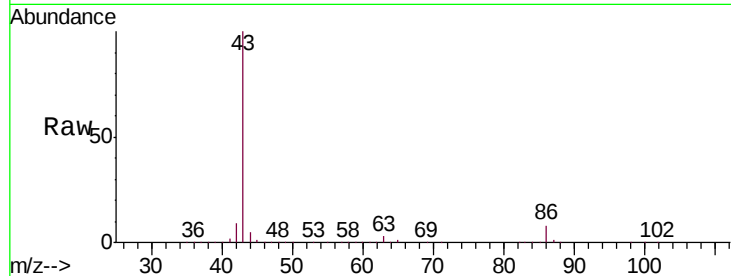
VW0704SBS01

Tgt Ion: 43 Resp: 543587

Ion Ratio Lower Upper

43 100

86 7.9 6.6 10.0



#24

1,1-Dichloroethane

Concen: 20.487 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

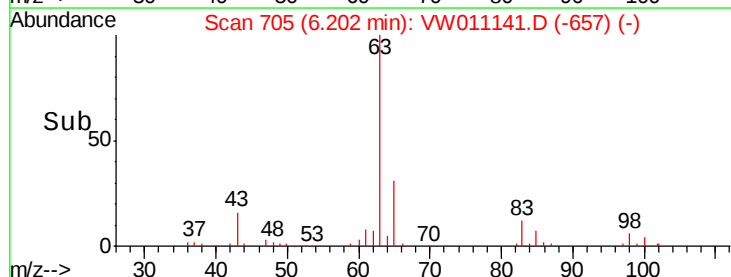
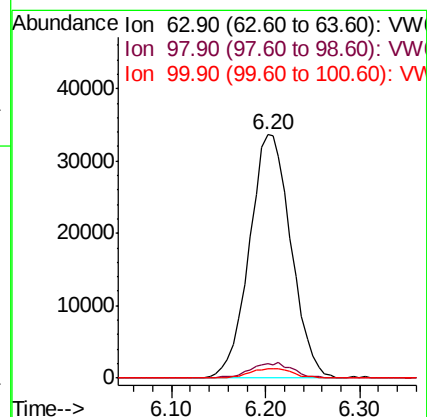
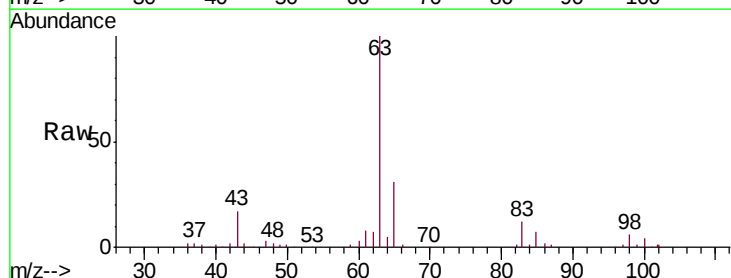
Tgt Ion: 63 Resp: 103964

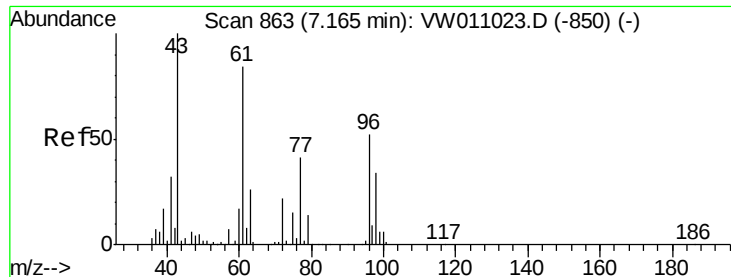
Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 86.356 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

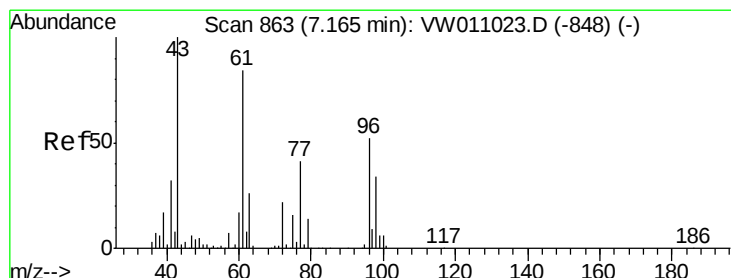
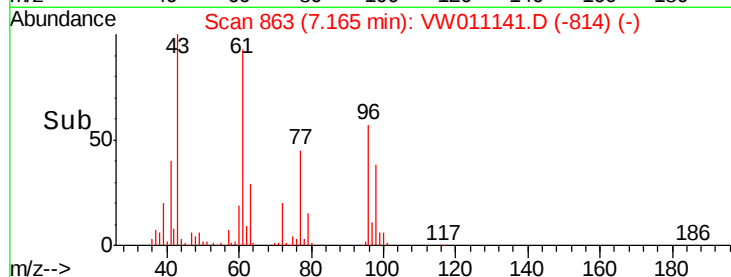
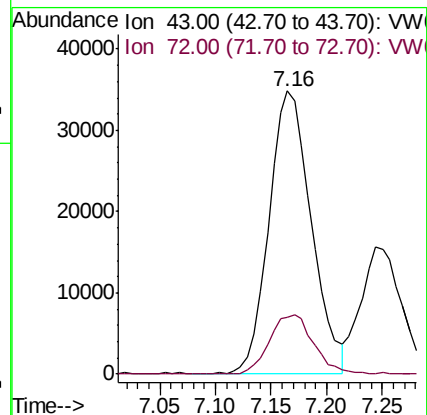
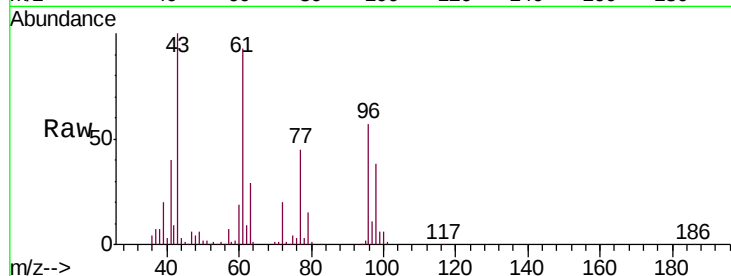
VW0704SBS01

Tgt Ion: 43 Resp: 91847

Ion Ratio Lower Upper

43 100

72 20.3 17.2 25.8



#26

2,2-Dichloropropane

Concen: 18.717 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011141.D

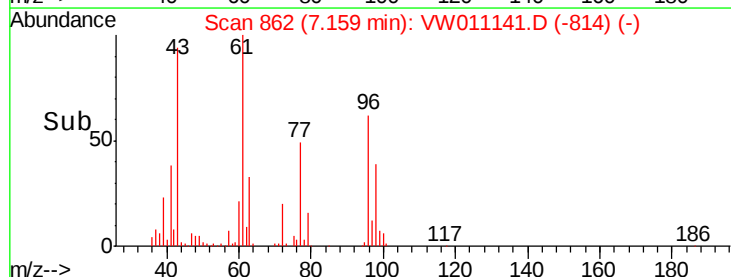
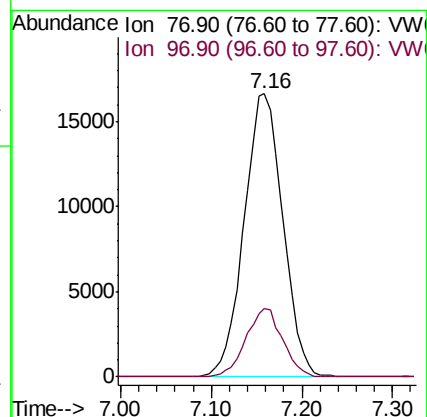
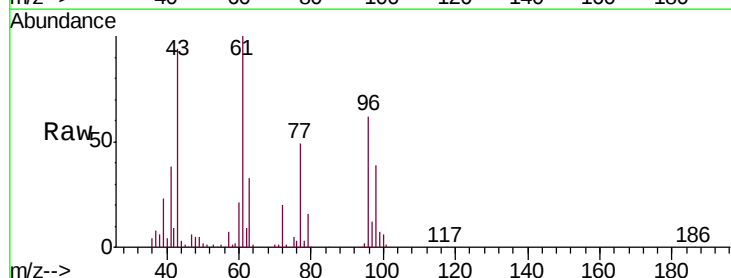
Acq: 03 Jul 2019 15:51

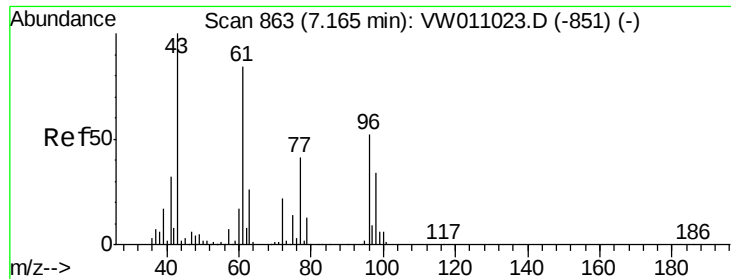
Tgt Ion: 77 Resp: 49313

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.7



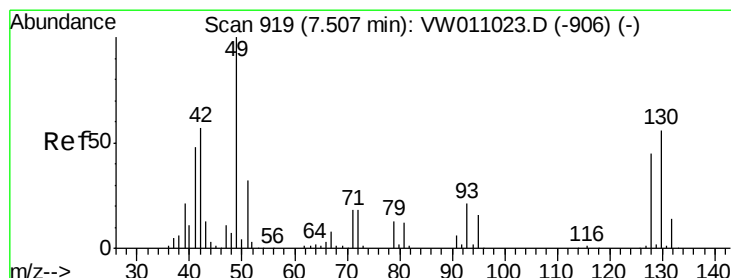
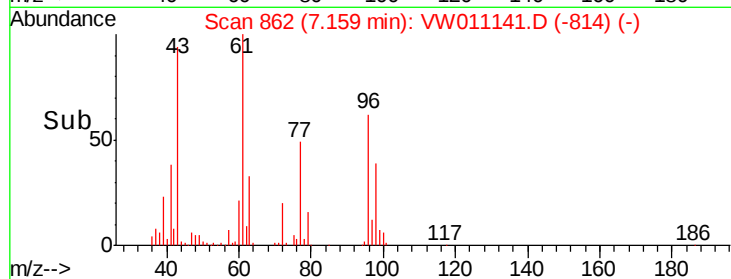
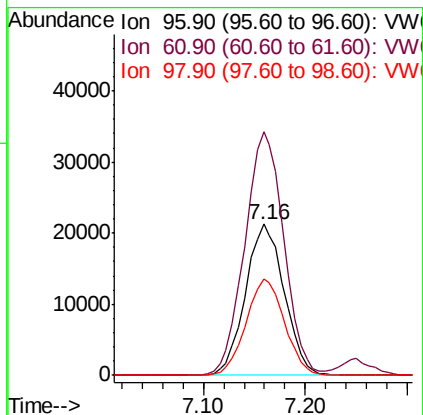
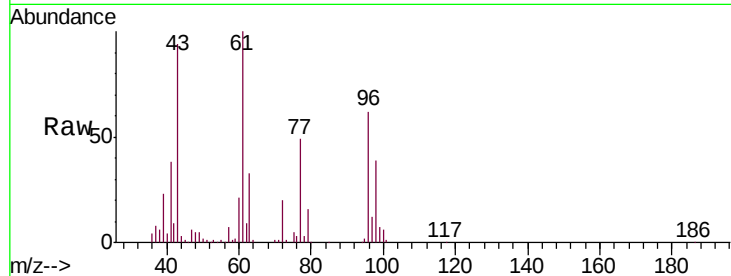


#27

cis-1,2-Dichloroethene
 Concen: 20.388 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampled :
 VW0704SBS01

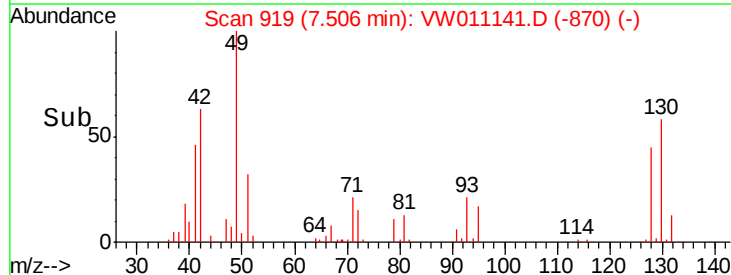
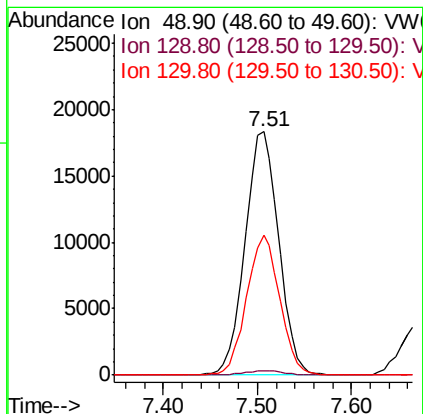
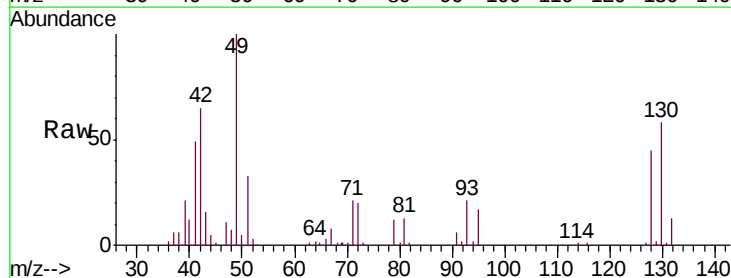
Tgt Ion: 96 Resp: 56147
 Ion Ratio Lower Upper
 96 100
 61 161.9 0.0 330.4
 98 63.2 0.0 129.4

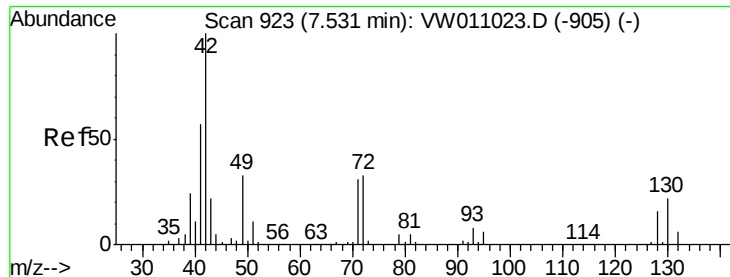


#28

Bromochloromethane
 Concen: 19.476 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 49 Resp: 46008
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.4
 130 56.6 46.1 69.1





#29

Tetrahydrofuran

Concen: 89.674 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

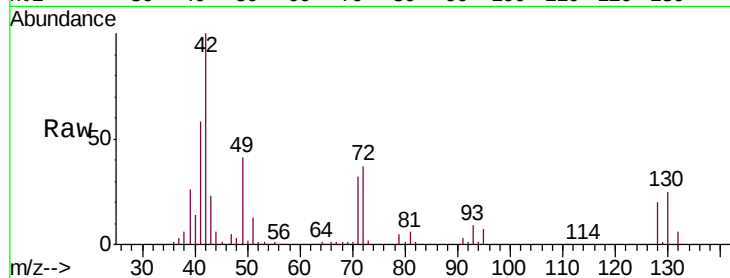
Tgt Ion: 42 Resp: 59372

Ion Ratio Lower Upper

42 100

72 35.4 27.4 41.0

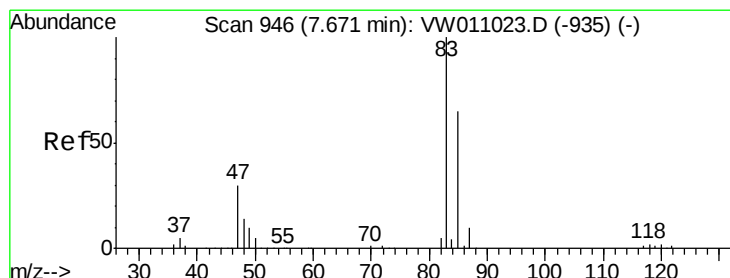
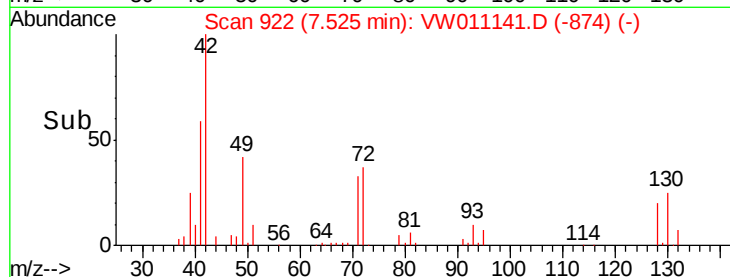
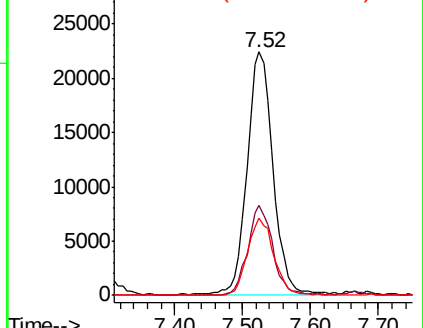
71 32.3 25.6 38.4



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.806 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW011141.D

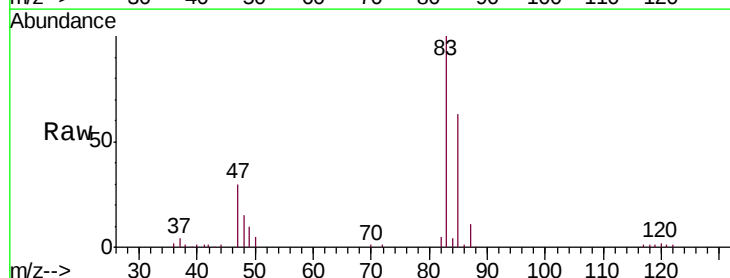
Acq: 03 Jul 2019 15:51

Tgt Ion: 83 Resp: 95918

Ion Ratio Lower Upper

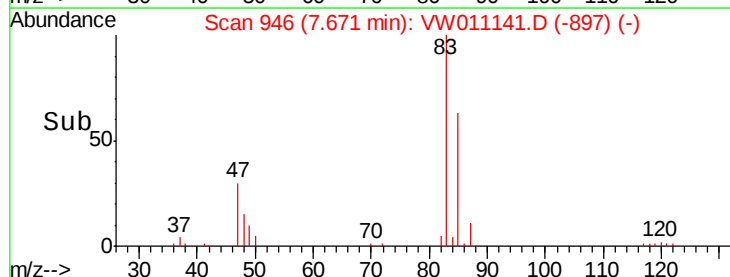
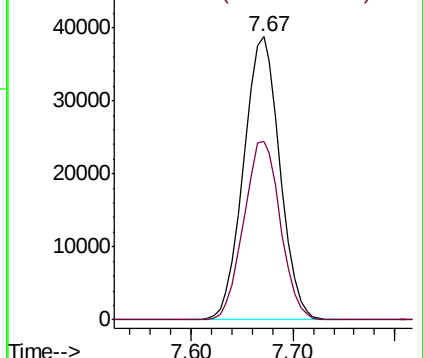
83 100

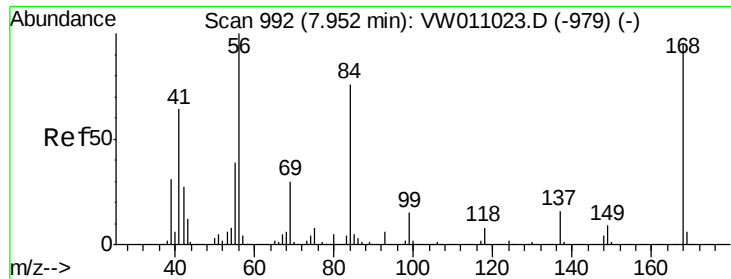
85 63.1 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

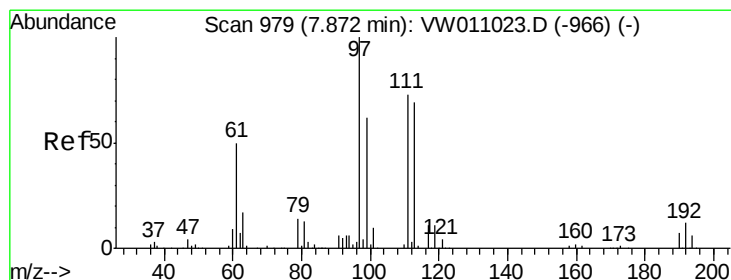
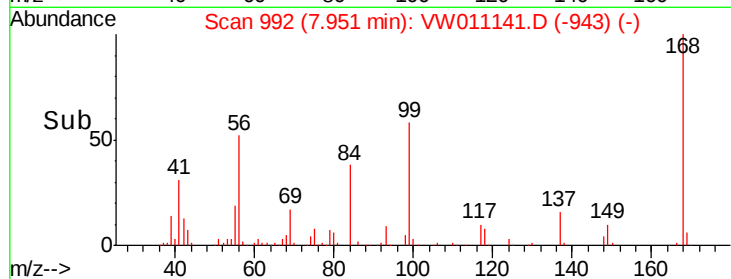
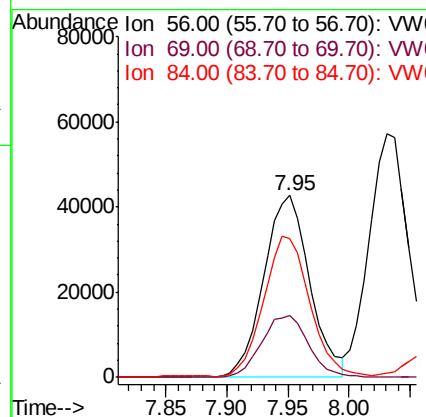
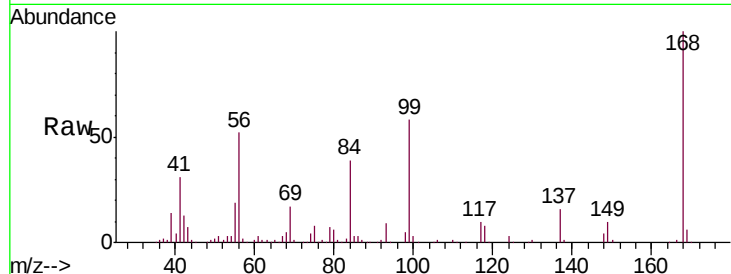




#31
Cyclohexane
Concen: 20.396 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

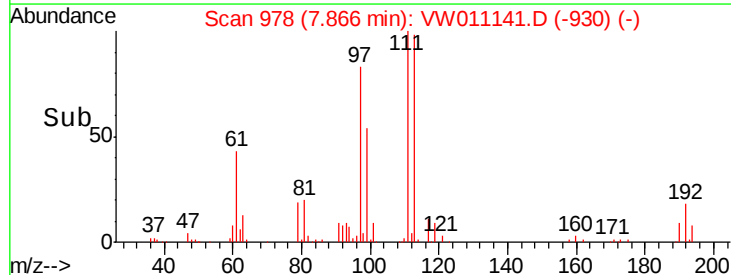
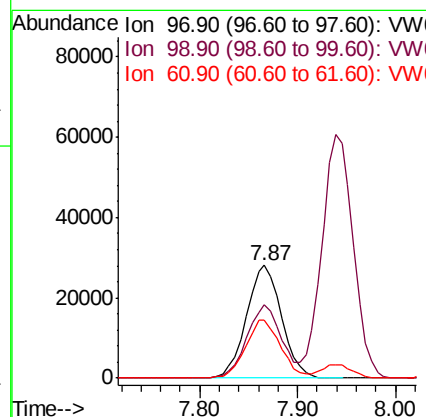
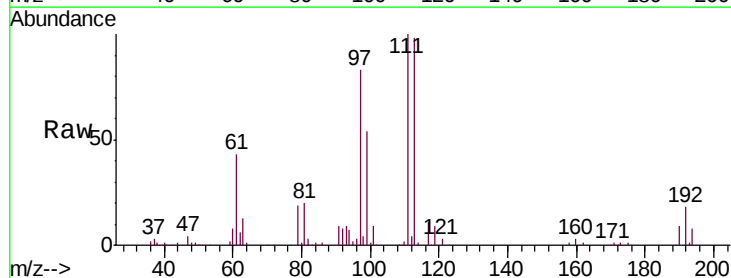
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

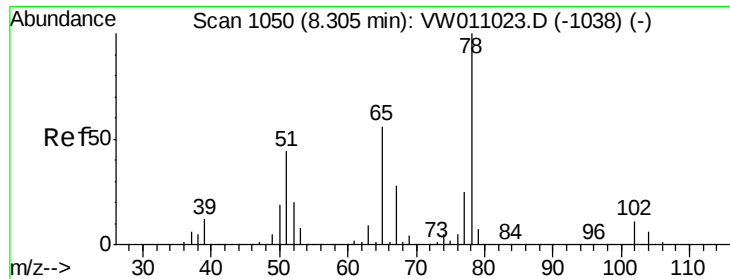
Tgt Ion: 56 Resp: 111837
Ion Ratio Lower Upper
56 100
69 33.8 24.2 36.2
84 75.1 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 20.403 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 97 Resp: 70289
Ion Ratio Lower Upper
97 100
99 62.6 51.1 76.7
61 51.1 41.4 62.2

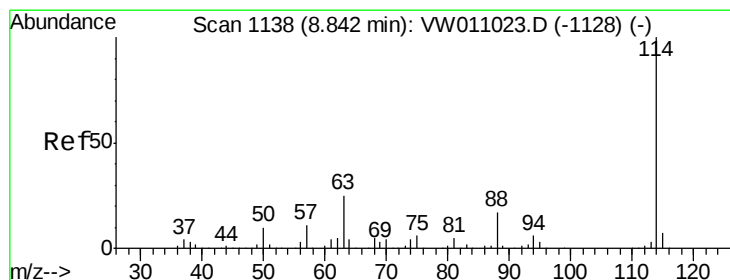
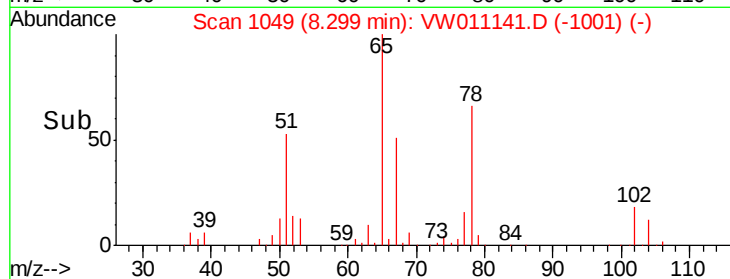
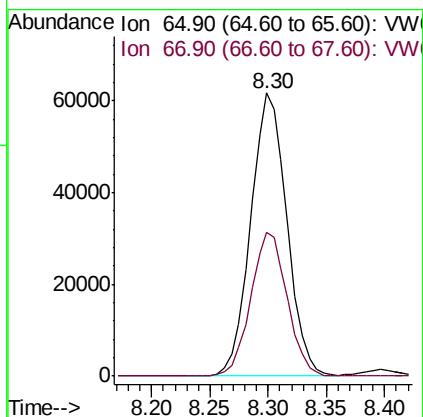
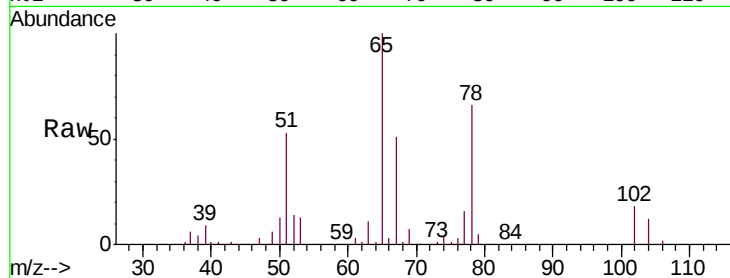




#33
 1,2-Dichloroethane-d4
 Concen: 46.544 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

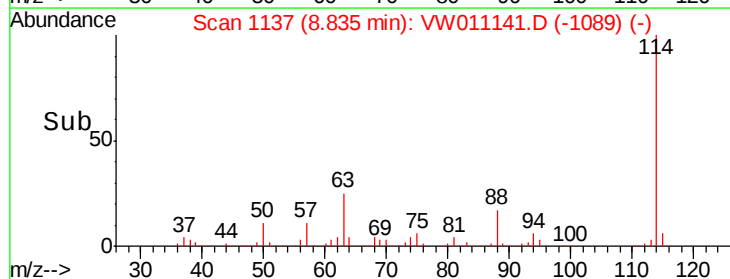
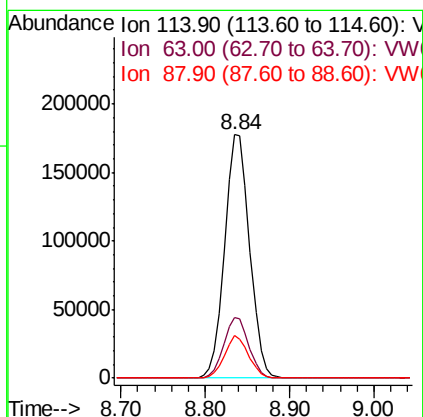
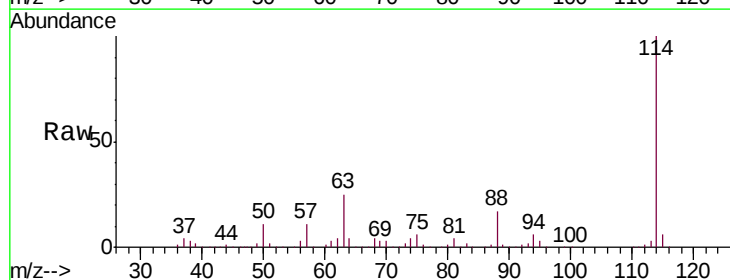
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

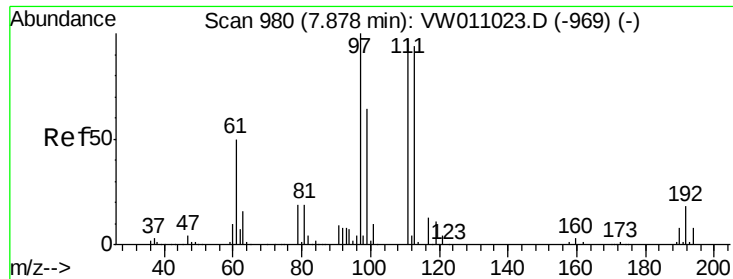
Tgt Ion: 65 Resp: 133420
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 114 Resp: 358224
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.6
 88 17.3 0.0 34.0

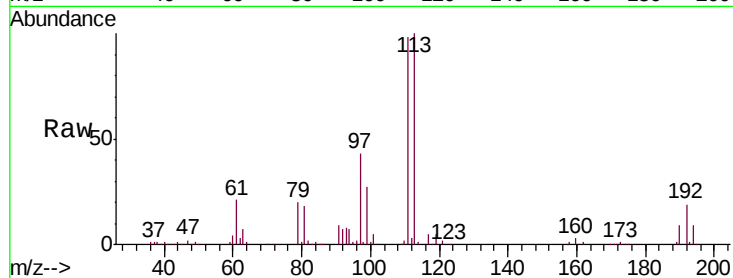




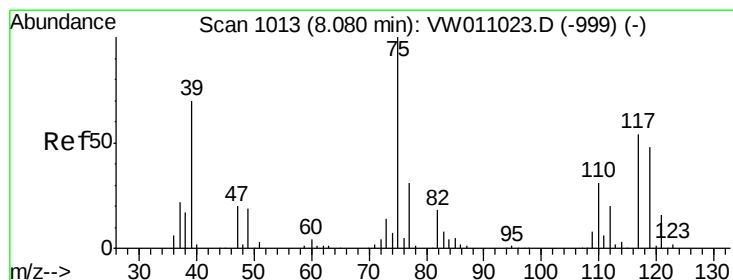
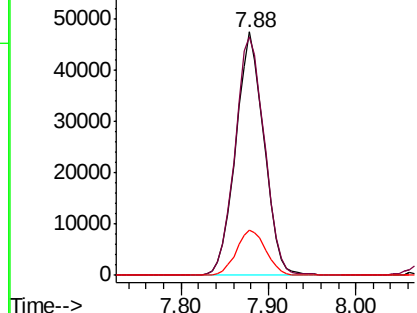
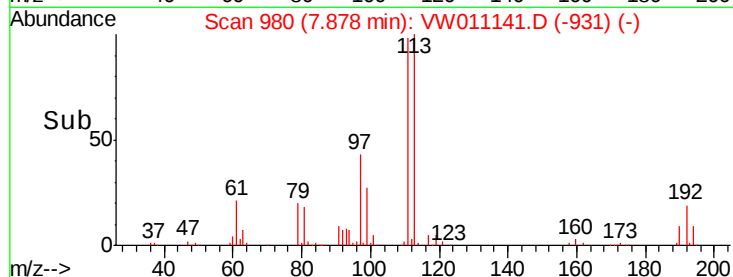
#35
 Dibromofluoromethane
 Concen: 48.815 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tgt Ion: 113 Resp: 106780
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.8 125.6
 192 19.3 16.0 24.0

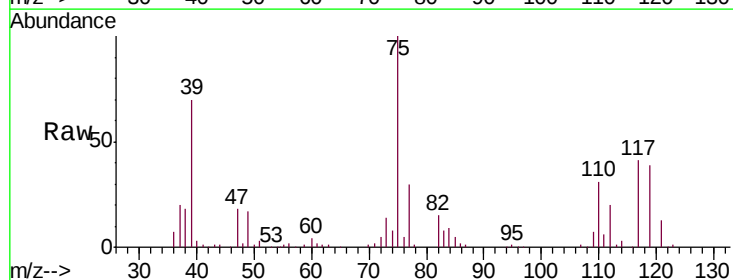


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

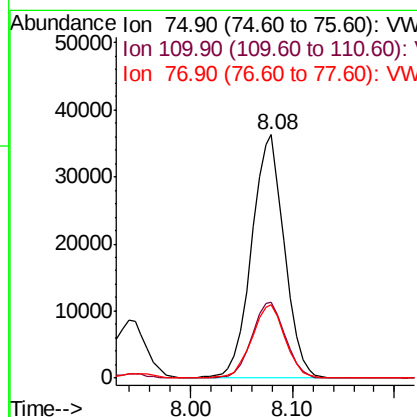
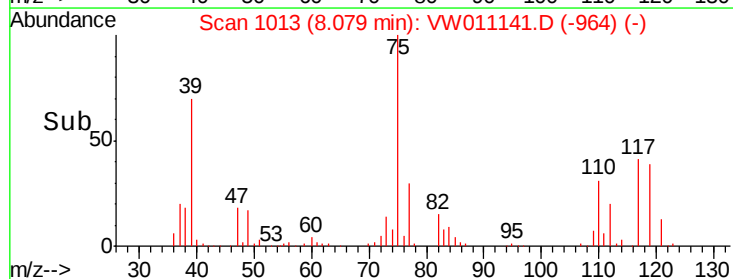


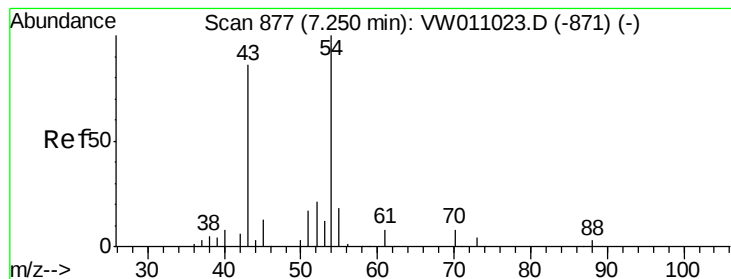
#36
 1,1-Dichloropropene
 Concen: 21.061 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 75 Resp: 81092
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.5 46.5
 77 31.1 24.9 37.3



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





#37

Ethyl Acetate

Concen: 18.078 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

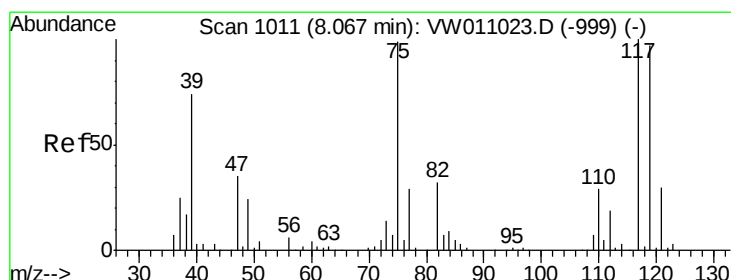
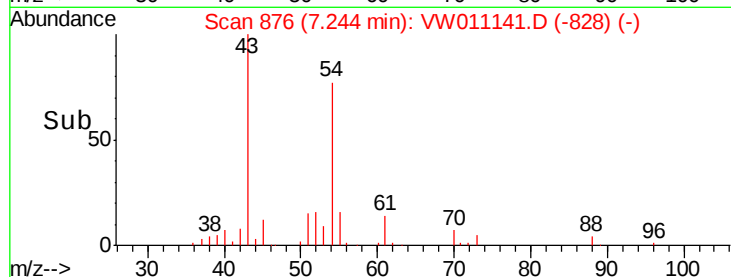
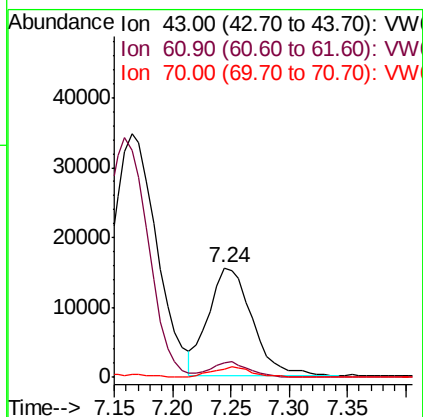
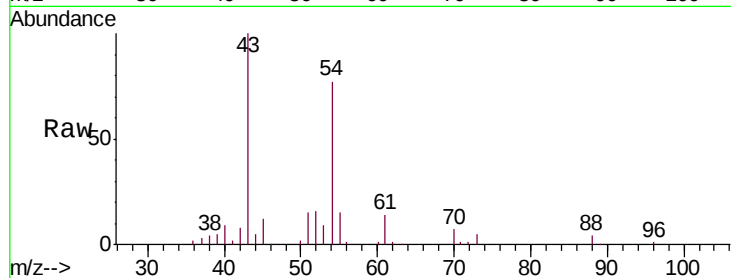
Tgt Ion: 43 Resp: 40493

Ion Ratio Lower Upper

43 100

61 11.7 9.0 13.4

70 9.0 7.2 10.8



#38

Carbon Tetrachloride

Concen: 20.416 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

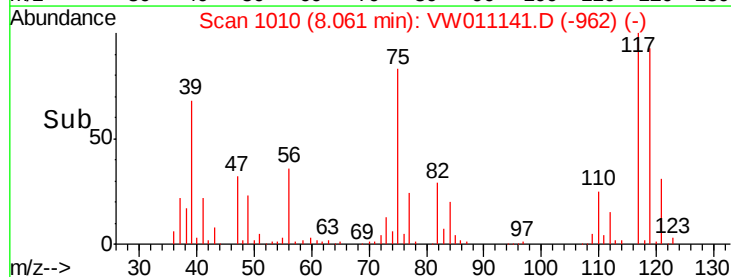
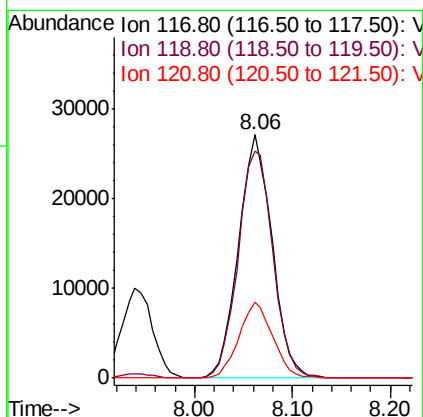
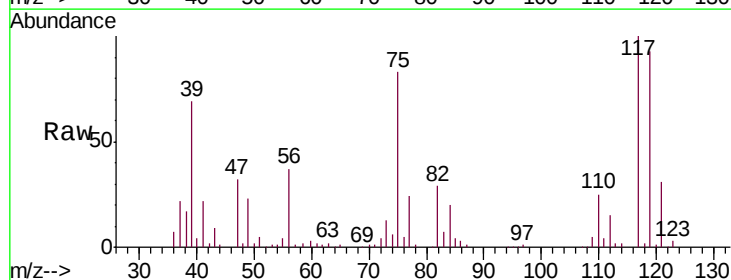
Tgt Ion: 117 Resp: 64735

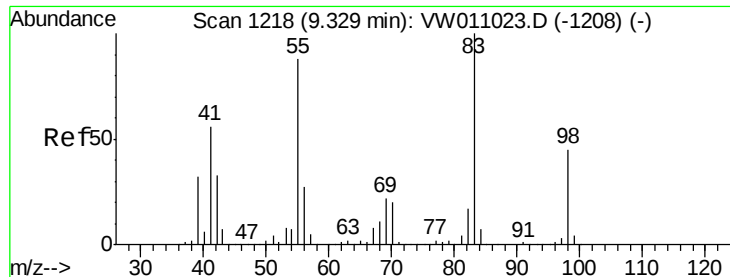
Ion Ratio Lower Upper

117 100

119 93.1 77.7 116.5

121 31.0 23.9 35.9

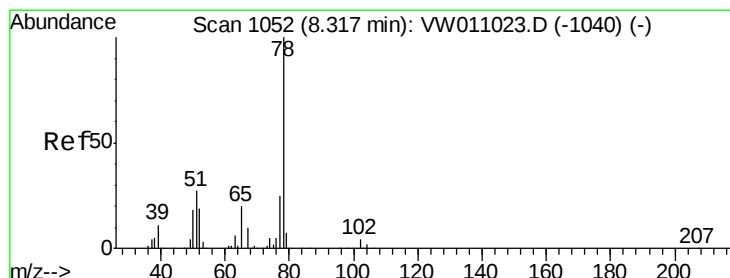
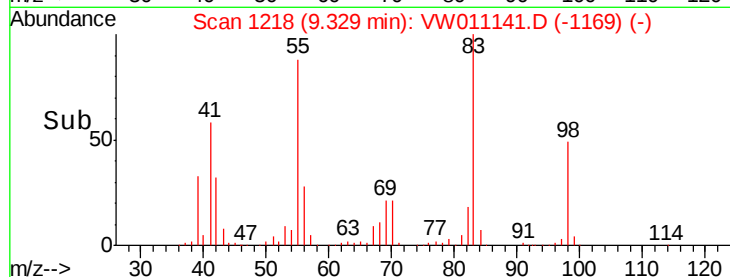
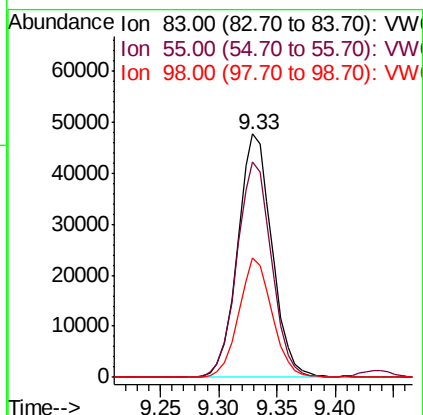
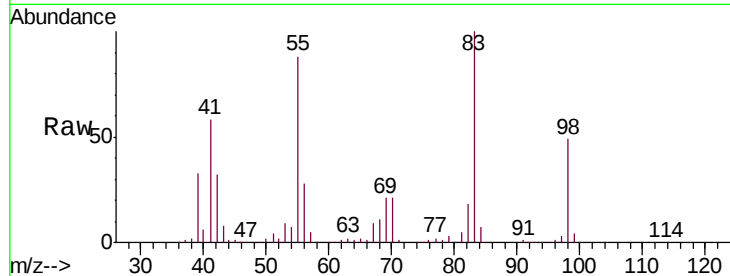




#39
Methylcyclohexane
Concen: 20.657 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

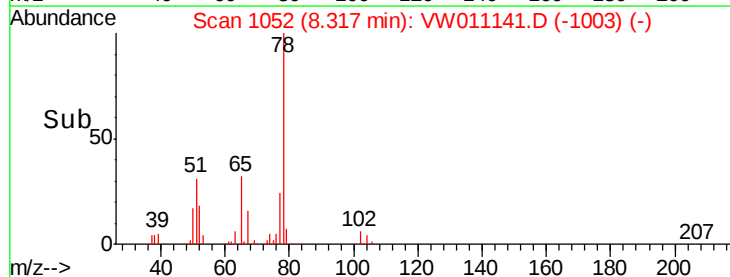
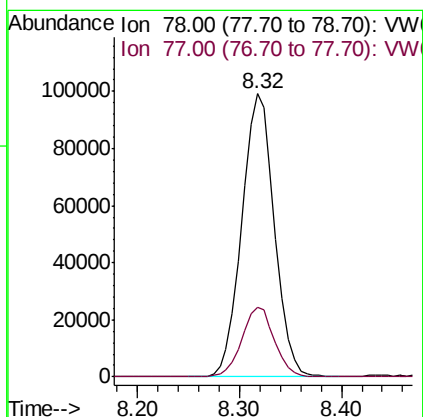
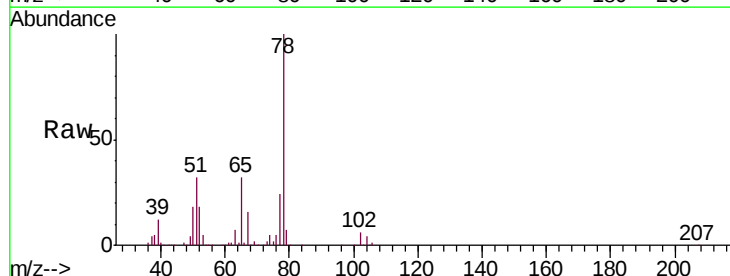
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

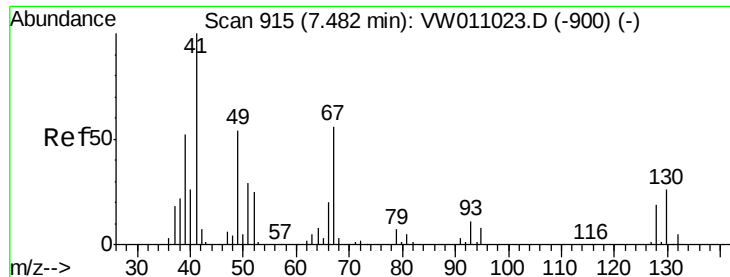
Tgt Ion: 83 Resp: 97880
Ion Ratio Lower Upper
83 100
55 88.2 70.7 106.1
98 49.0 36.4 54.6



#40
Benzene
Concen: 20.784 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 78 Resp: 220097
Ion Ratio Lower Upper
78 100
77 24.5 19.7 29.5





#41

Methacrylonitrile

Concen: 18.935 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tgt Ion: 41 Resp: 25804

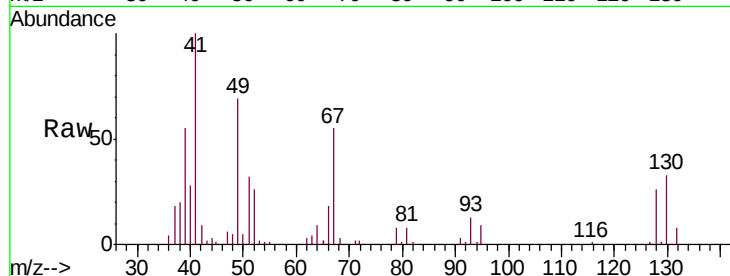
Ion Ratio Lower Upper

41 100

39 58.7 42.1 63.1

67 55.2 44.2 66.2

52 25.6 21.0 31.6

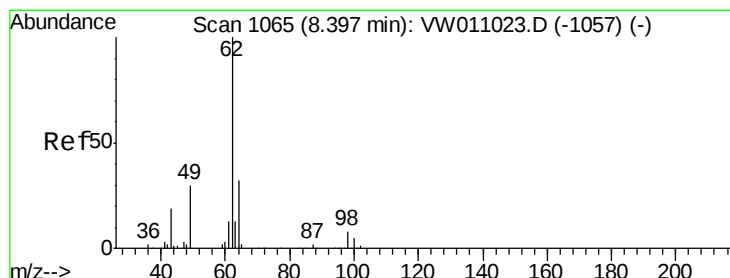
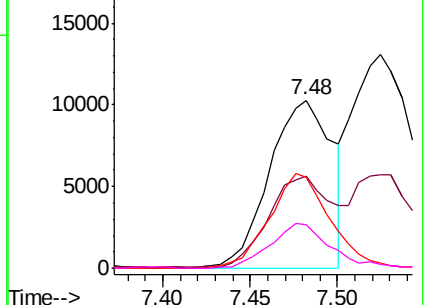
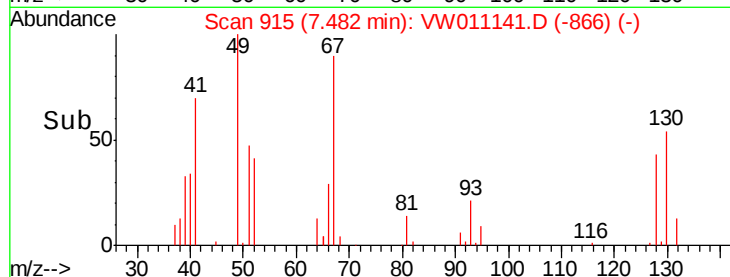


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 19.858 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011141.D

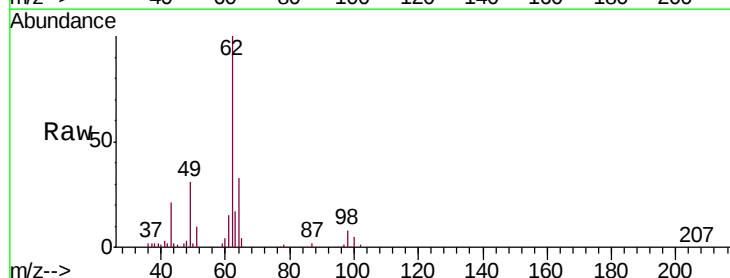
Acq: 03 Jul 2019 15:51

Tgt Ion: 62 Resp: 68951

Ion Ratio Lower Upper

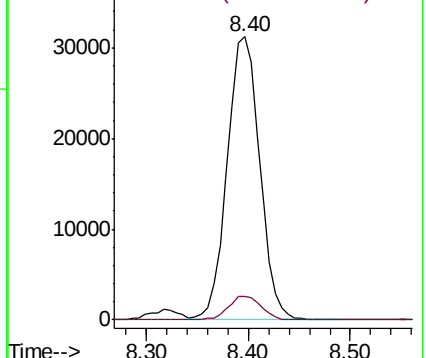
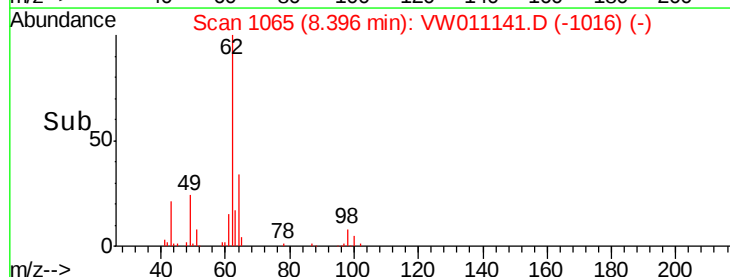
62 100

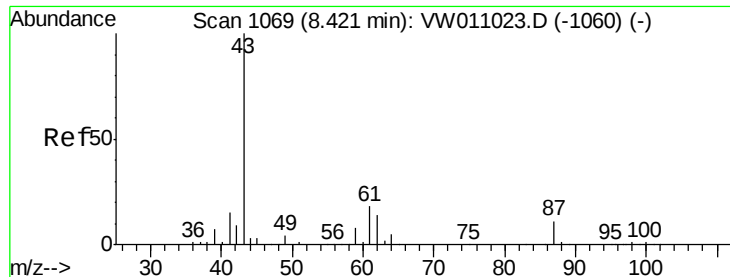
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.198 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

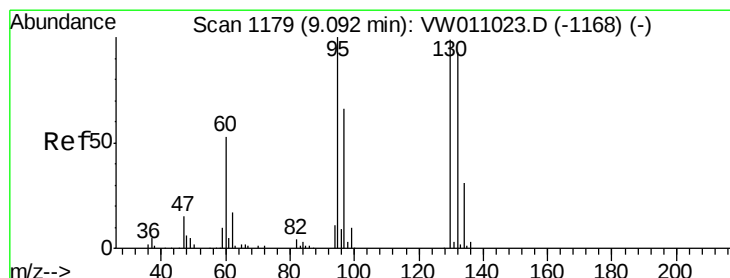
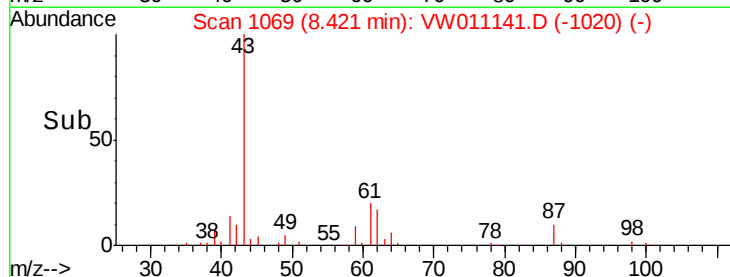
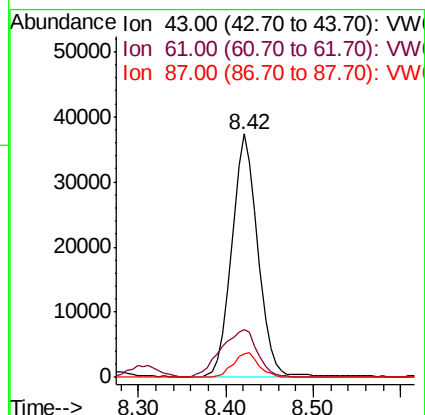
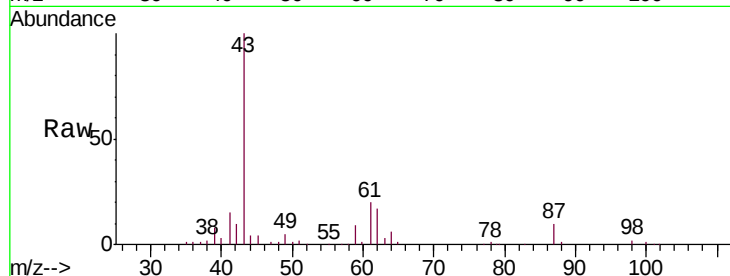
Tgt Ion: 43 Resp: 77111

Ion Ratio Lower Upper

43 100

61 27.8 21.0 31.6

87 10.2 8.2 12.4



#44

Trichloroethene

Concen: 20.546 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW011141.D

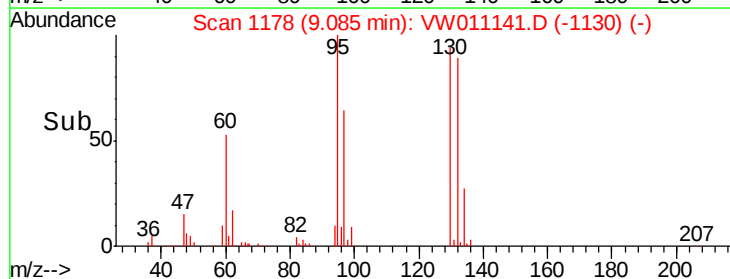
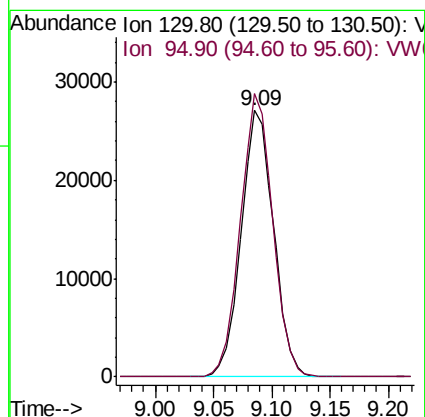
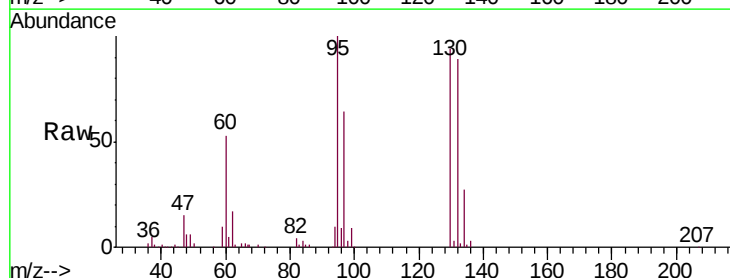
Acq: 03 Jul 2019 15:51

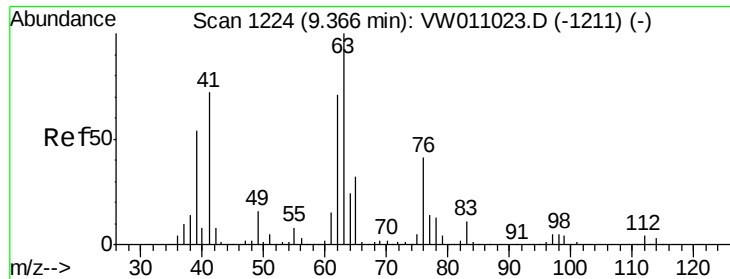
Tgt Ion: 130 Resp: 52584

Ion Ratio Lower Upper

130 100

95 106.2 0.0 202.0

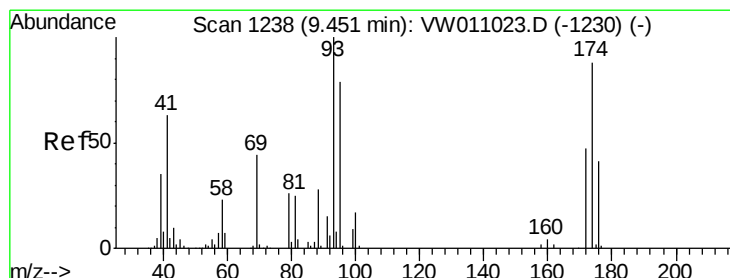
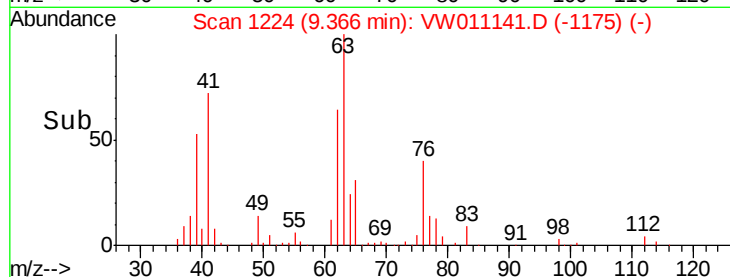
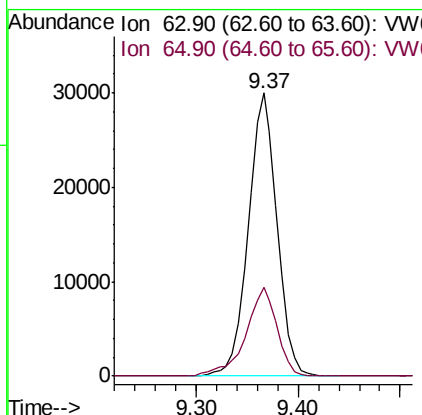
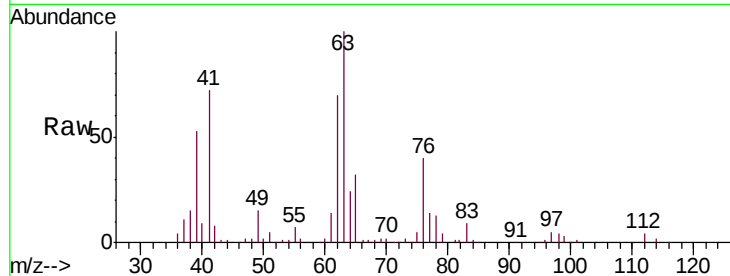




#45
 1,2-Dichloropropane
 Concen: 20.368 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

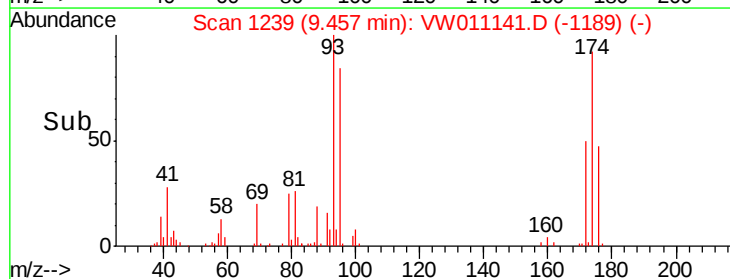
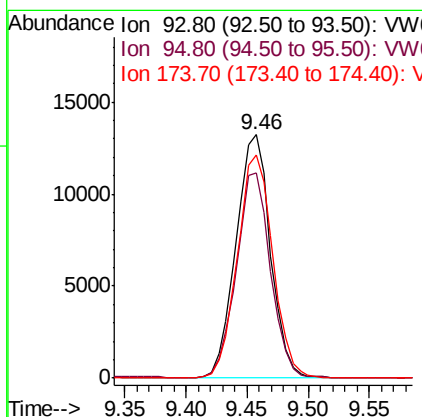
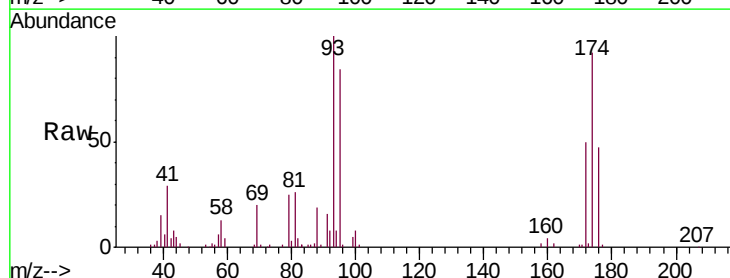
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

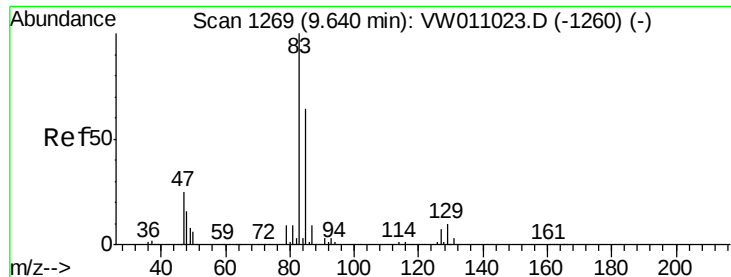
Tgt Ion: 63 Resp: 58573
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.6 38.4



#46
 Dibromomethane
 Concen: 19.227 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 93 Resp: 25859
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.8 98.6
 174 94.1 75.4 113.0

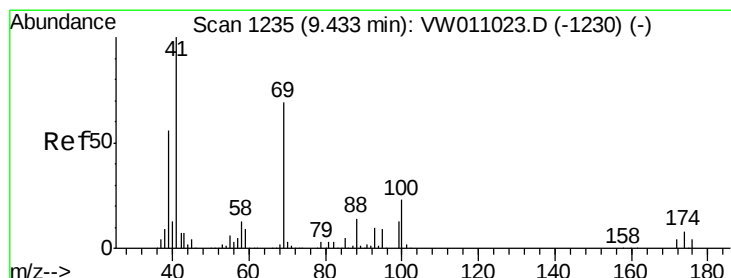
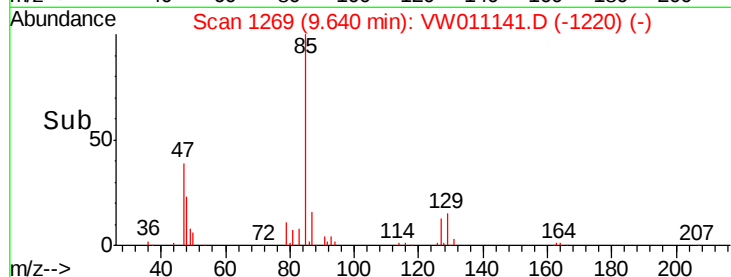
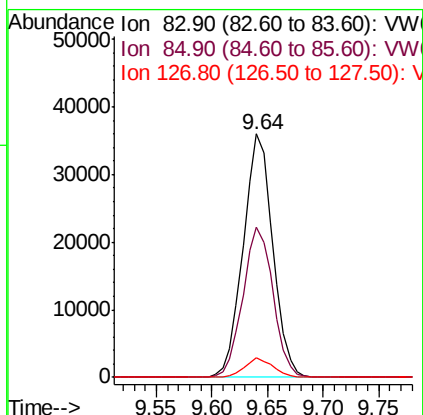
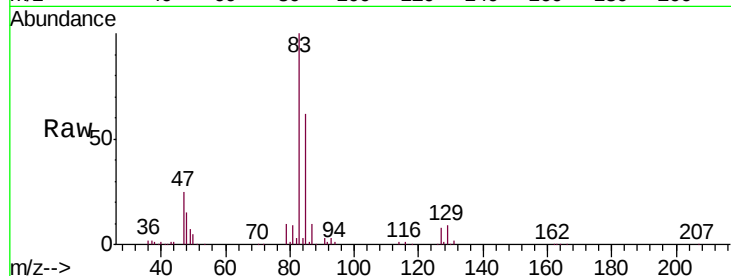




#47
Bromodichloromethane
Concen: 19.930 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

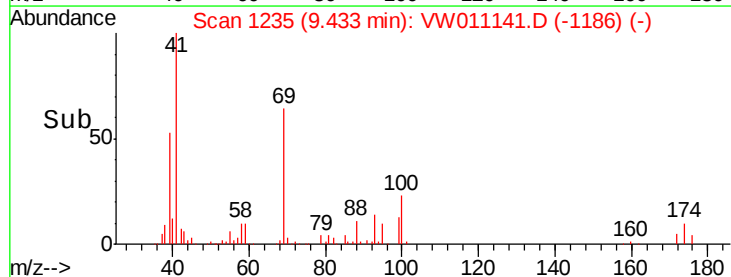
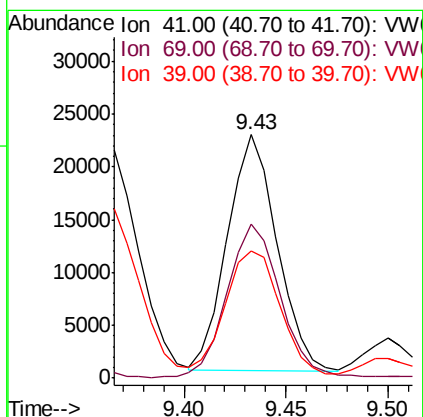
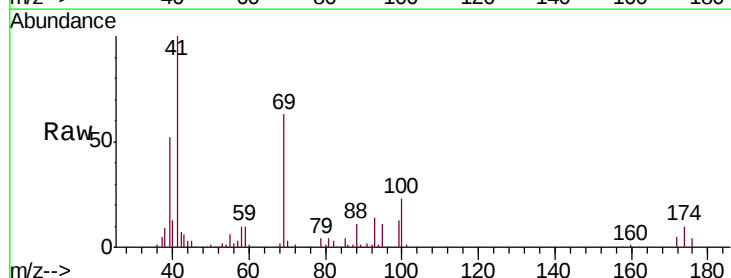
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

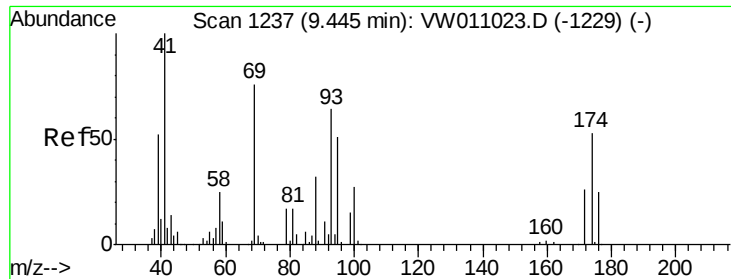
Tgt Ion: 83 Resp: 66364
Ion Ratio Lower Upper
83 100
85 61.8 51.0 76.4
127 7.9 5.8 8.8



#48
Methyl methacrylate
Concen: 18.411 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 41 Resp: 37825
Ion Ratio Lower Upper
41 100
69 71.0 56.7 85.1
39 60.4 45.0 67.6

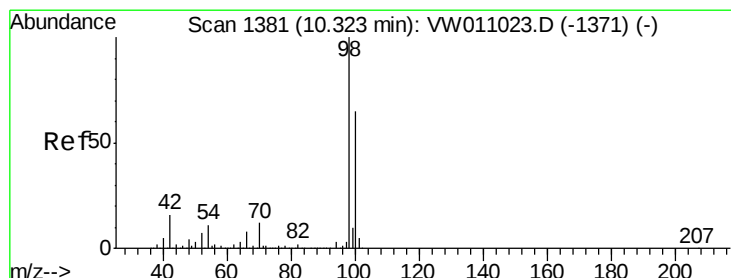
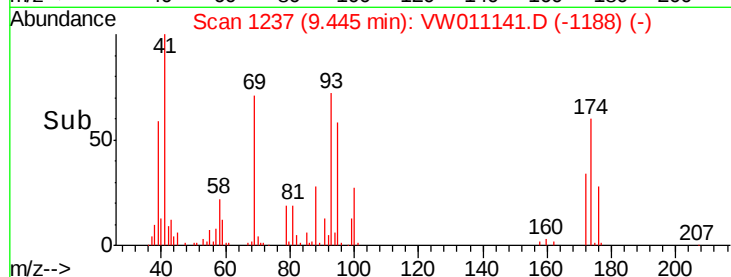
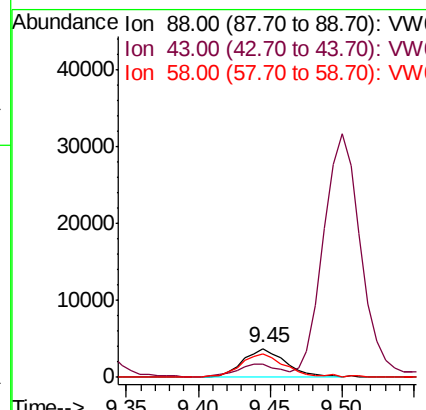
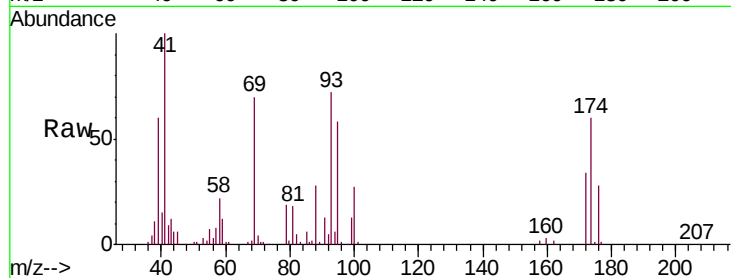




#49
1,4-Dioxane
Concen: 339.218 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

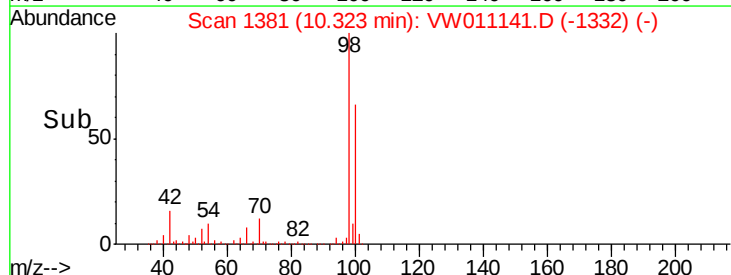
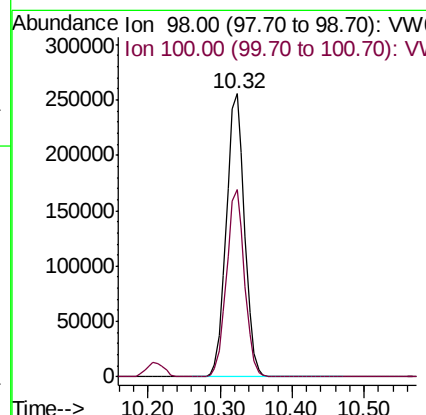
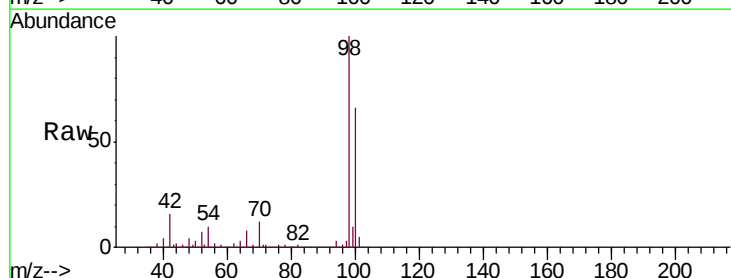
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

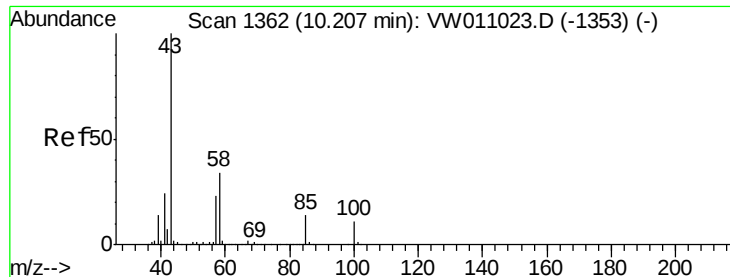
Tgt Ion: 88 Resp: 7671
Ion Ratio Lower Upper
88 100
43 43.7 34.4 51.6
58 83.7 65.2 97.8



#50
Toluene-d8
Concen: 49.963 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 98 Resp: 449875
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 90.321 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

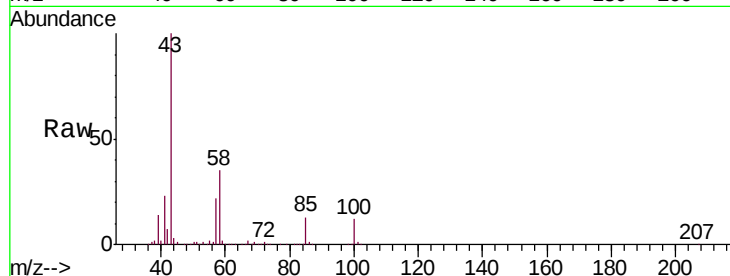
VW0704SBS01

Tgt Ion: 43 Resp: 201456

Ion Ratio Lower Upper

43 100

58 34.9 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

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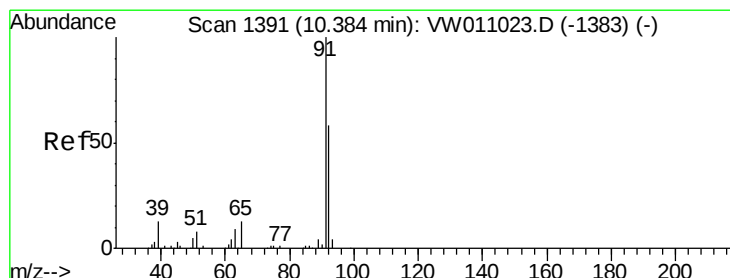
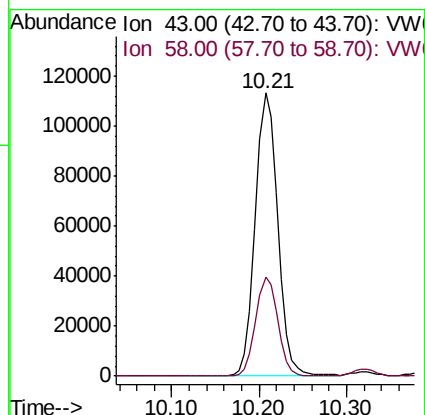
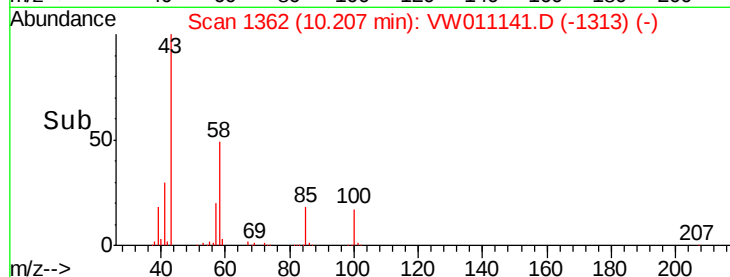
10.21

10.21

10.21

10.21

10.21



#52

Toluene

Concen: 20.911 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011141.D

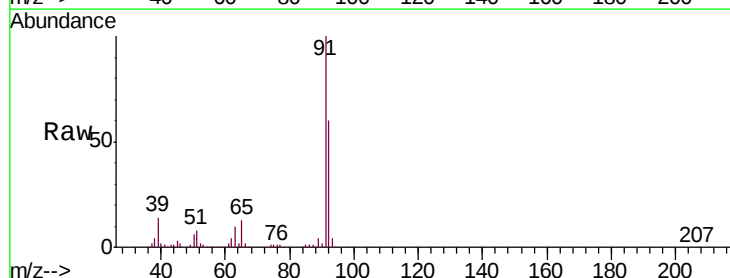
Acq: 03 Jul 2019 15:51

Tgt Ion: 92 Resp: 135576

Ion Ratio Lower Upper

92 100

91 170.2 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

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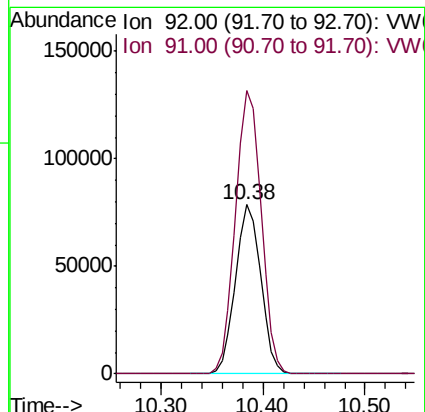
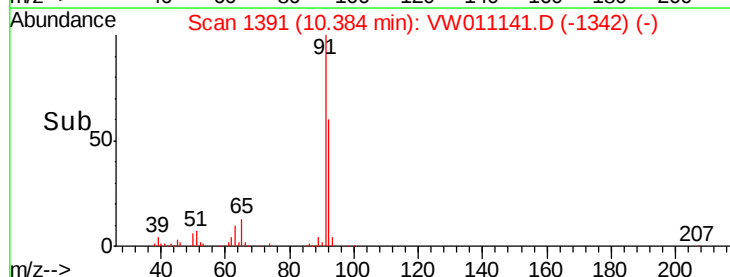
10.38

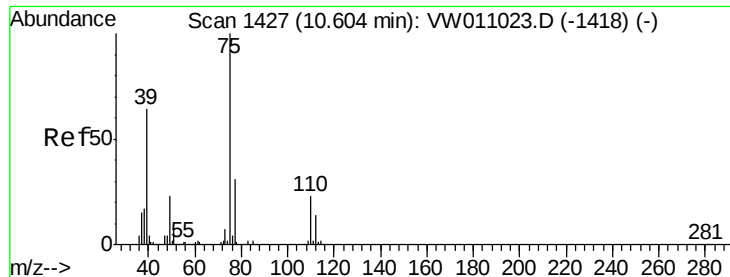
10.38

10.38

10.38

10.38





#53

t-1,3-Dichloropropene

Concen: 18.836 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

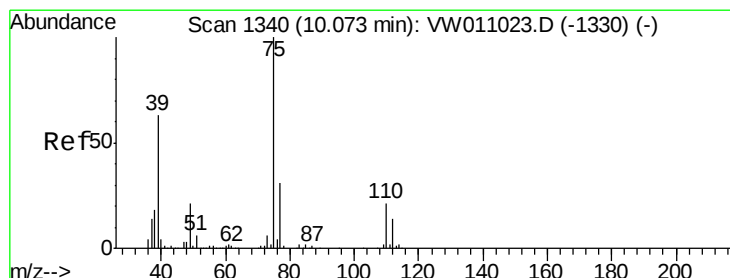
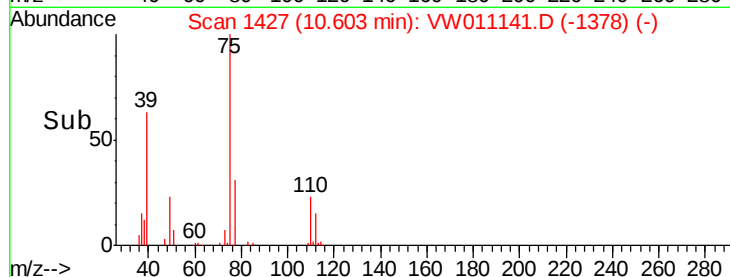
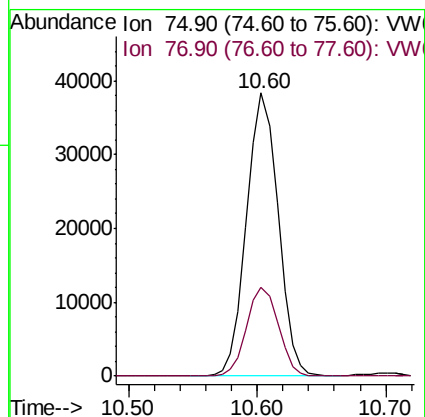
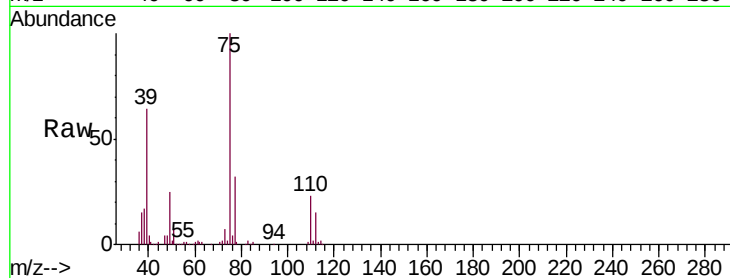
VW0704SBS01

Tgt Ion: 75 Resp: 65331

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.906 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

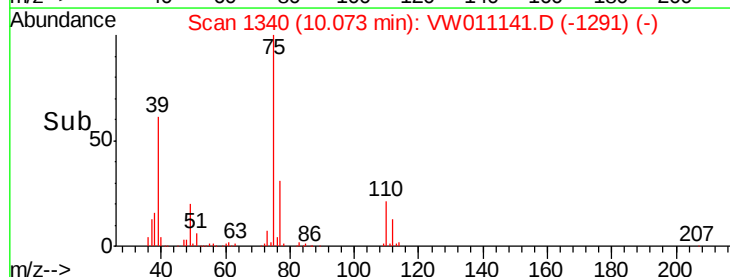
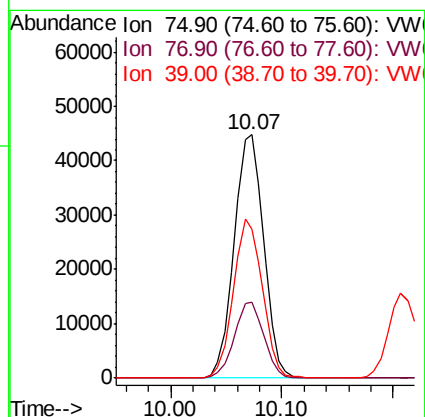
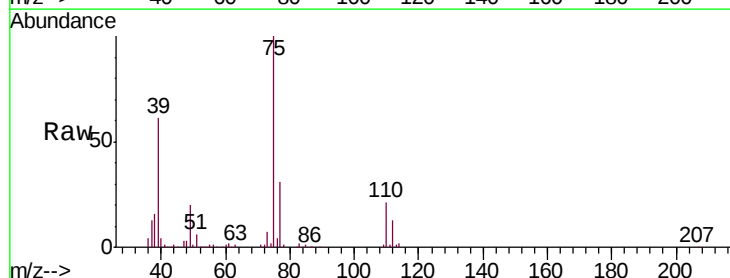
Tgt Ion: 75 Resp: 82362

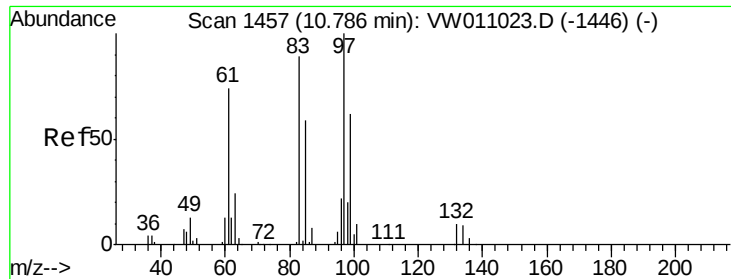
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 61.1 50.0 75.0

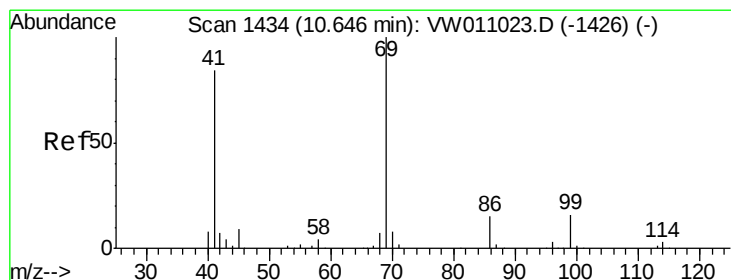
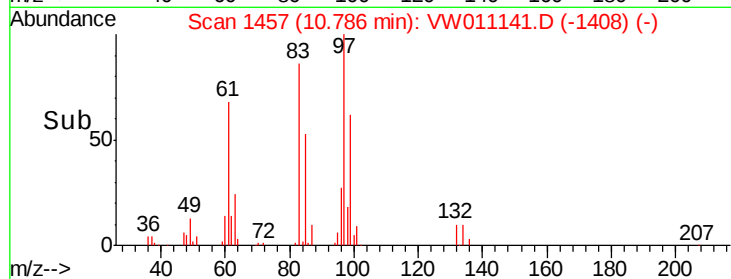
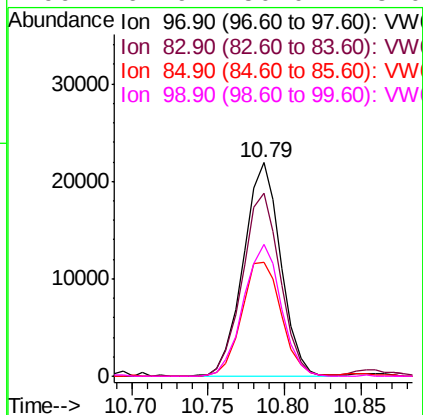
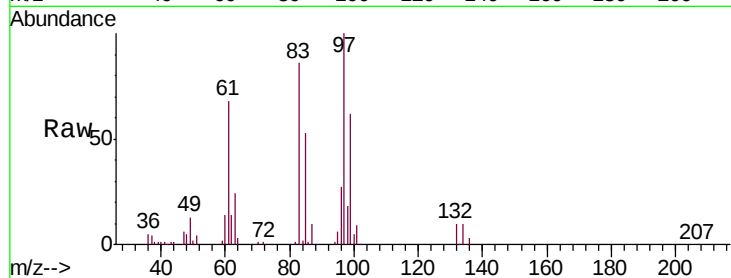




#55
 1,1,2-Trichloroethane
 Concen: 19.618 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

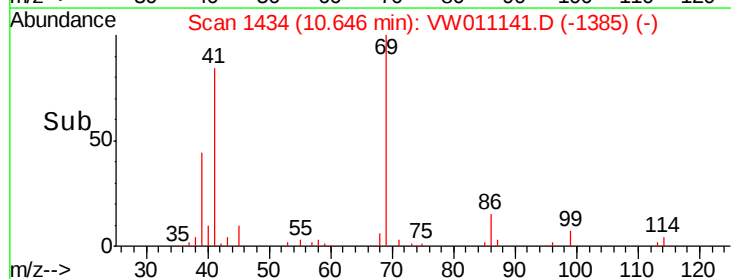
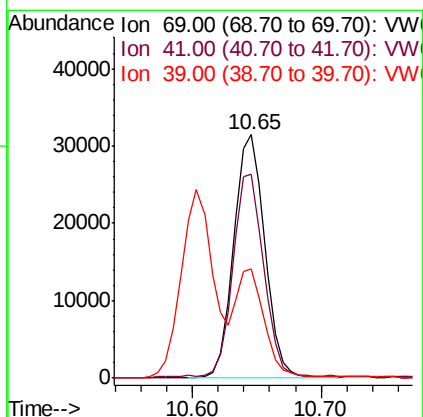
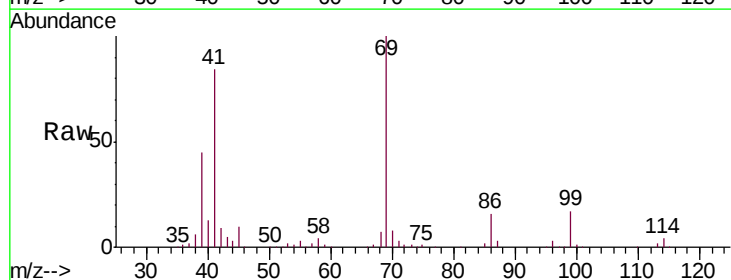
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

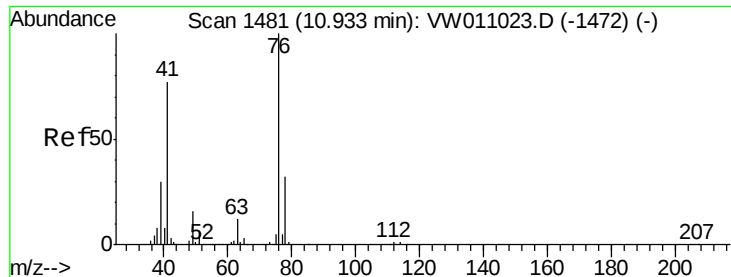
Tgt Ion:	97	Resp:	37277
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.9	106.3
85	53.2	47.2	70.8
99	61.9	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 18.625 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion:	69	Resp:	52997
Ion	Ratio	Lower	Upper
69	100		
41	84.2	67.9	101.9
39	39.7	33.2	49.8

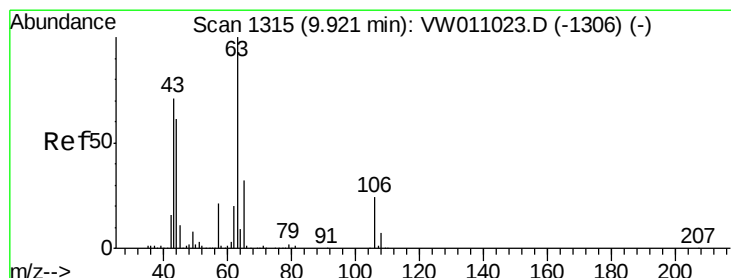
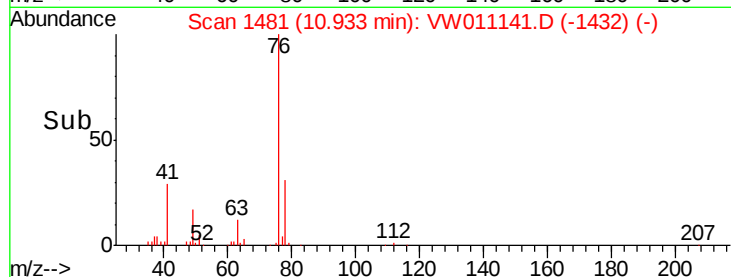
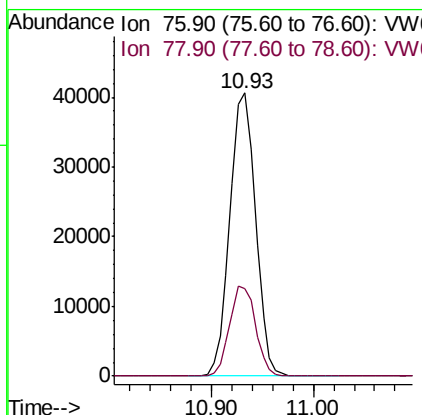
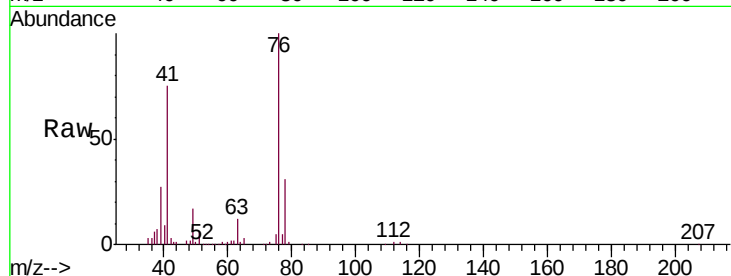




#57
 1,3-Dichloropropane
 Concen: 19.605 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

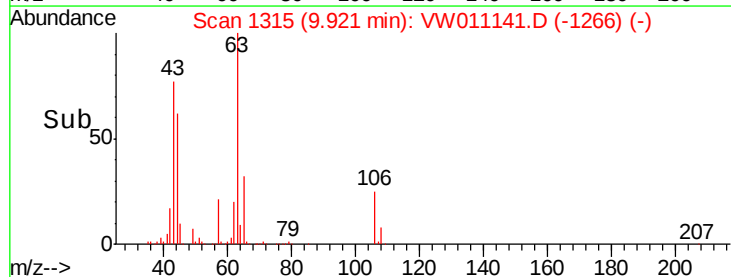
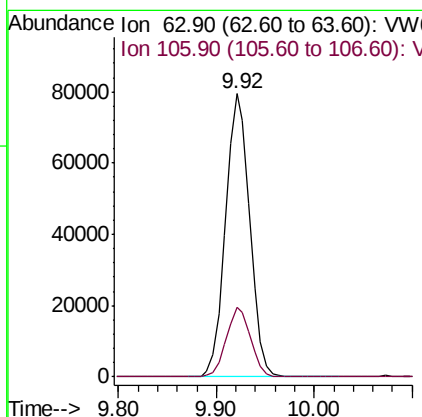
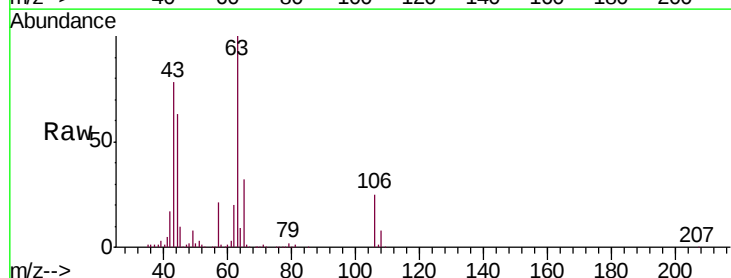
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

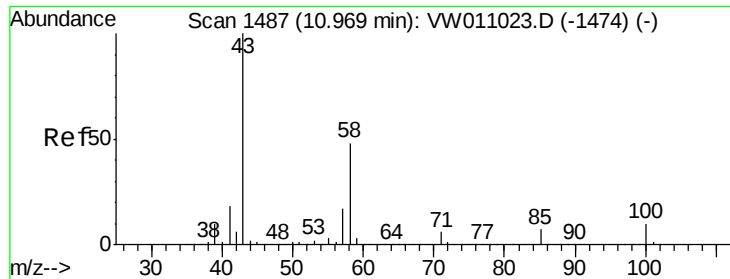
Tgt Ion: 76 Resp: 70862
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.316 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 63 Resp: 135785
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0





#59

2-Hexanone

Concen: 90.334 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleID :

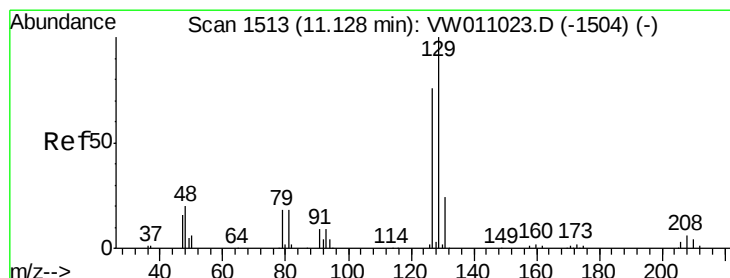
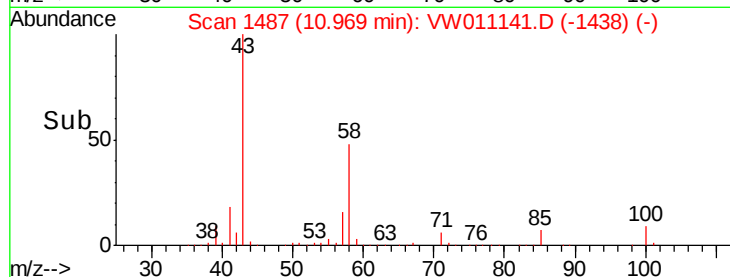
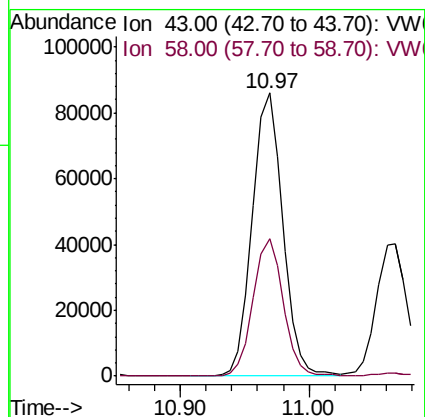
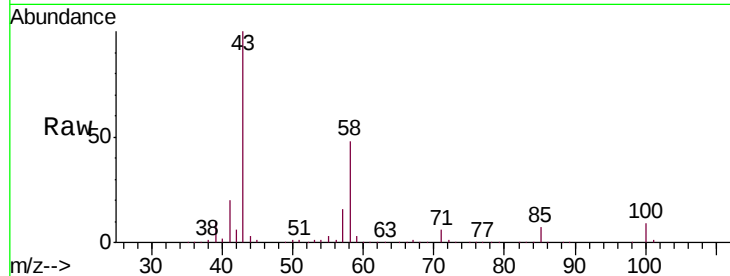
VW0704SBS01

Tgt Ion: 43 Resp: 140510

Ion Ratio Lower Upper

43 100

58 48.1 23.8 71.5



#60

Dibromochloromethane

Concen: 19.046 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011141.D

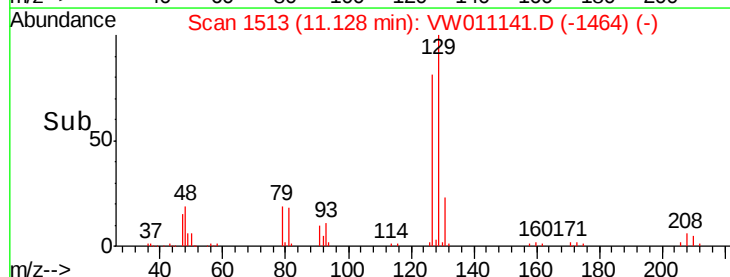
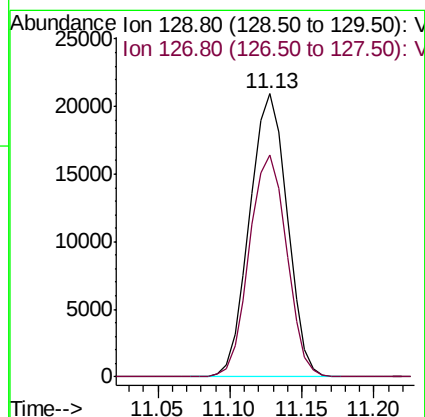
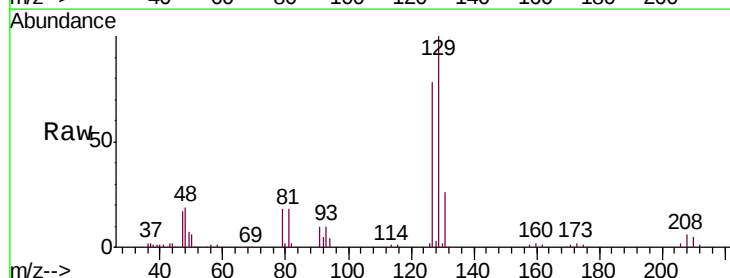
Acq: 03 Jul 2019 15:51

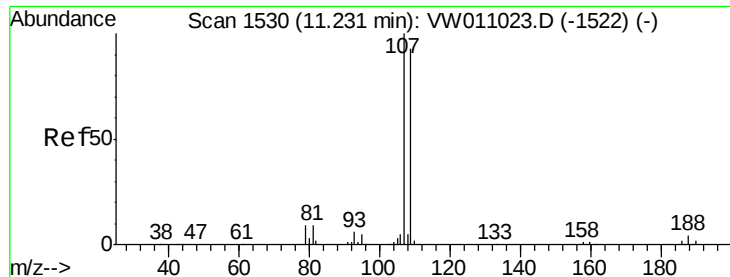
Tgt Ion: 129 Resp: 37950

Ion Ratio Lower Upper

129 100

127 77.6 39.4 118.1





#61

1,2-Dibromoethane

Concen: 19.068 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

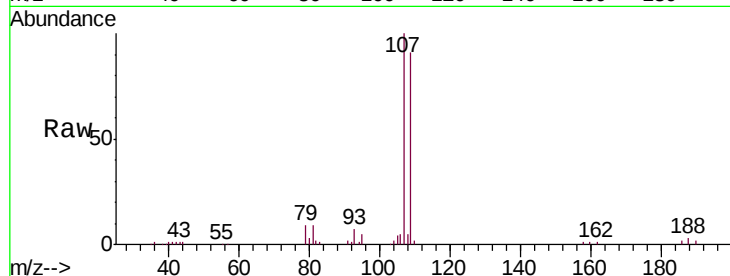
VW0704SBS01

Tgt Ion: 107 Resp: 33919

Ion Ratio Lower Upper

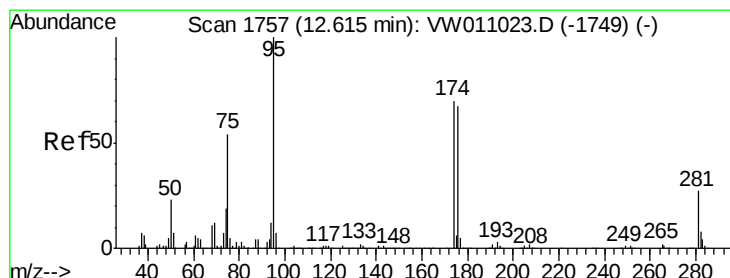
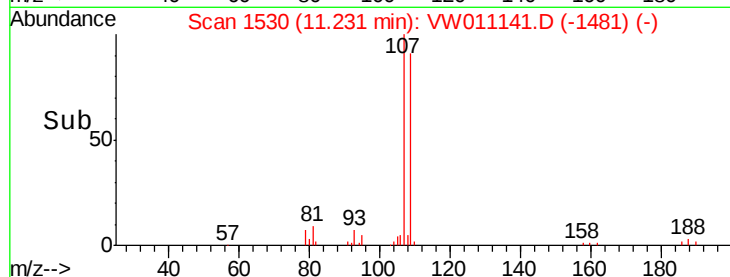
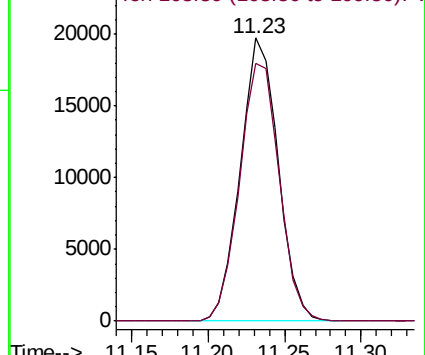
107 100

109 95.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.098 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

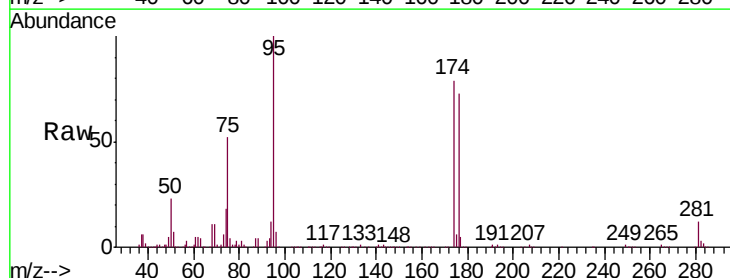
Tgt Ion: 95 Resp: 158399

Ion Ratio Lower Upper

95 100

174 75.4 0.0 149.2

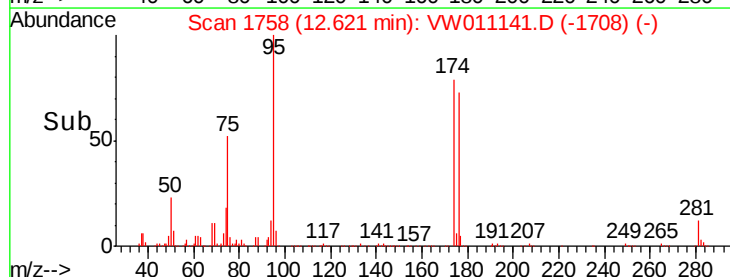
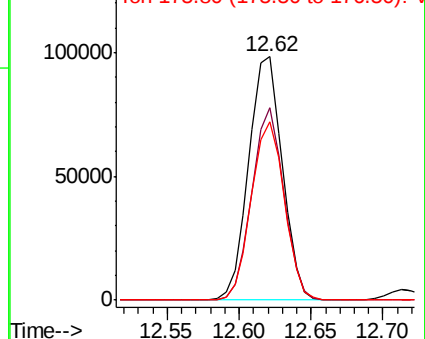
176 72.0 0.0 143.6

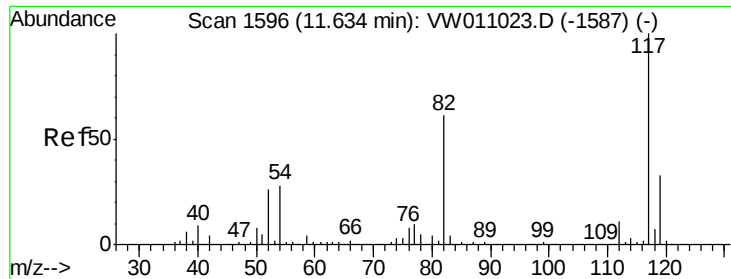


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

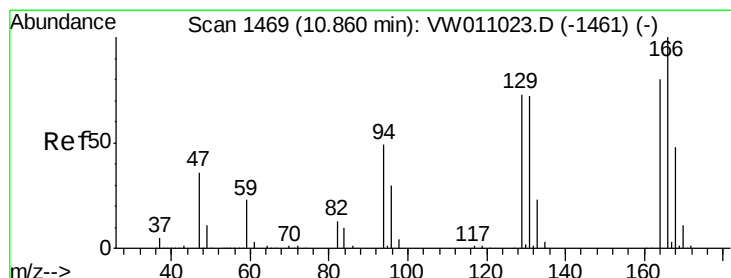
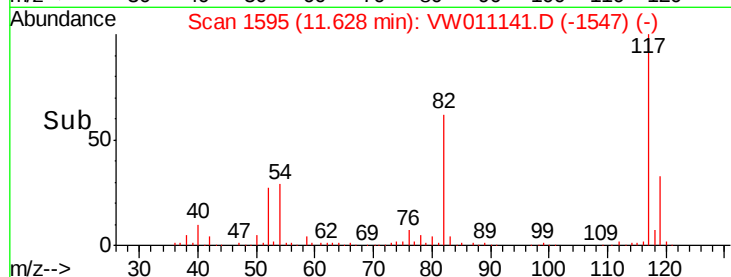
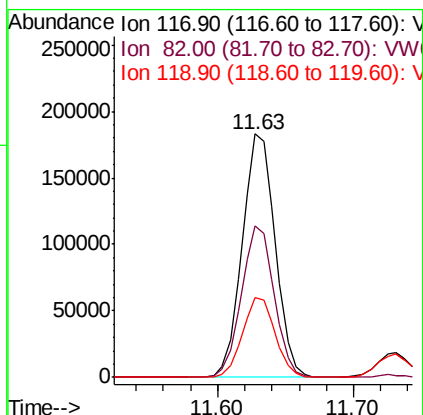
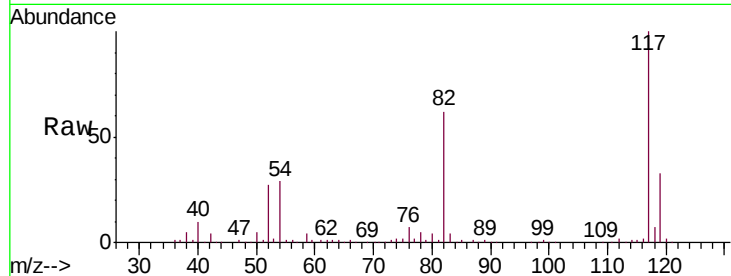




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

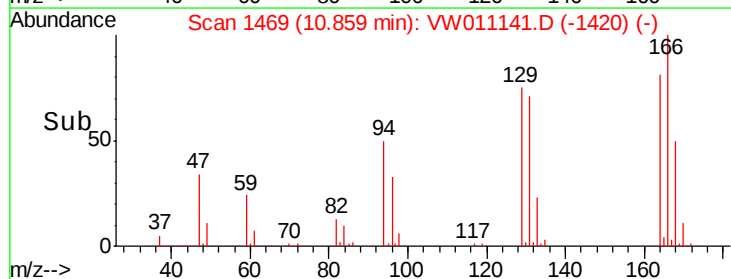
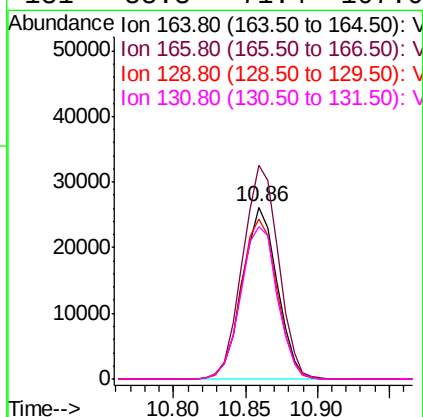
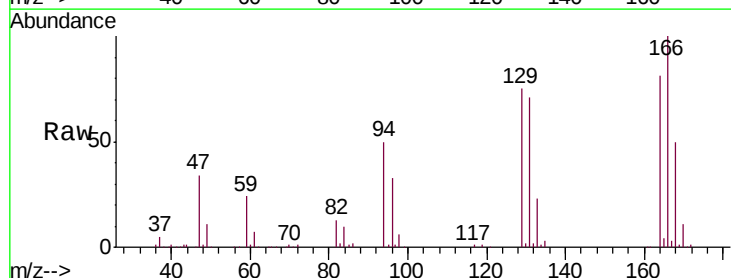
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

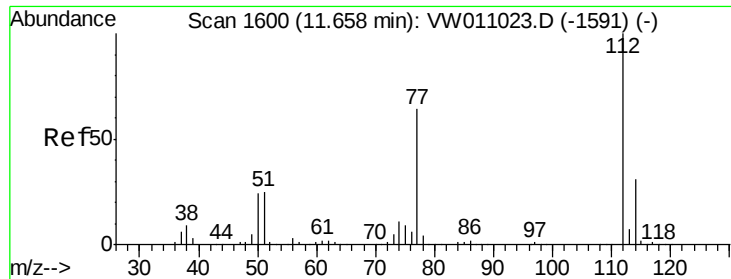
Tgt Ion:117 Resp: 309909
Ion Ratio Lower Upper
117 100
82 62.1 48.6 73.0
119 32.5 26.1 39.1



#64
Tetrachloroethene
Concen: 20.638 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion:164 Resp: 44016
Ion Ratio Lower Upper
164 100
166 124.1 99.8 149.6
129 92.8 73.0 109.4
131 88.3 71.4 107.0





#65

Chlorobenzene

Concen: 20.843 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

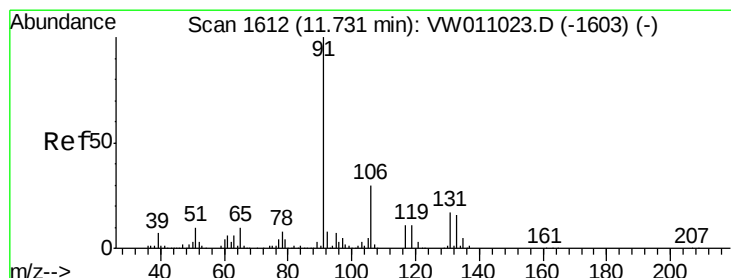
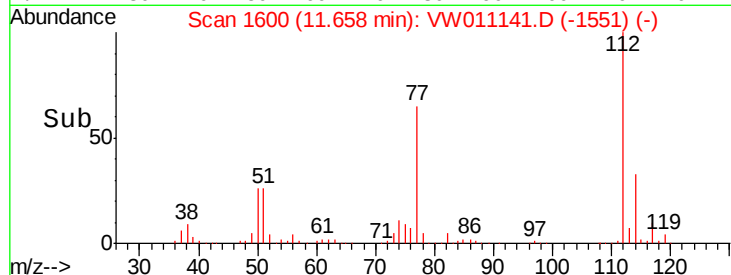
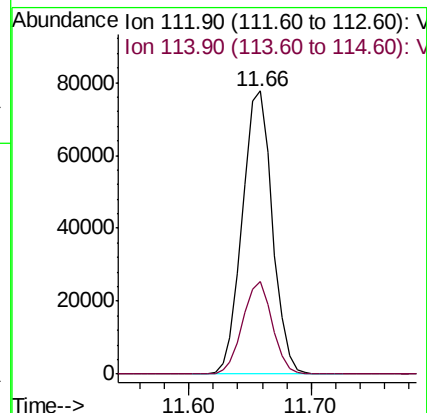
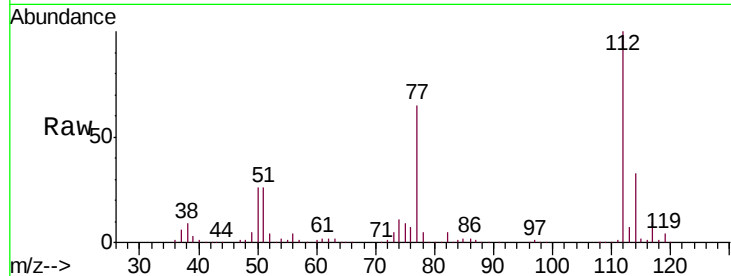
VW0704SBS01

Tgt Ion:112 Resp: 132227

Ion Ratio Lower Upper

112 100

114 32.6 25.2 37.8



#66

1,1,1,2-Tetrachloroethane

Concen: 20.678 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

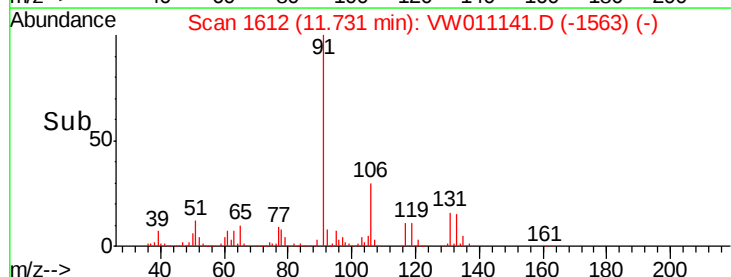
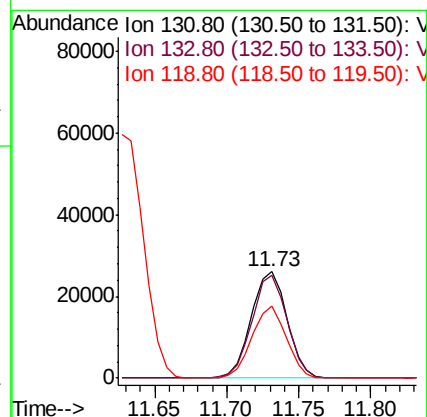
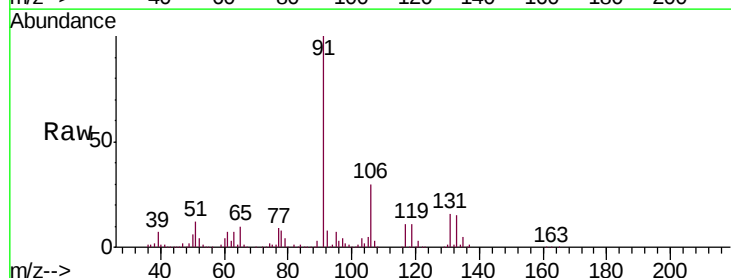
Tgt Ion:131 Resp: 44537

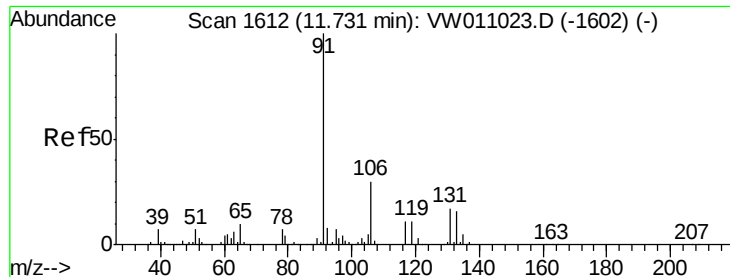
Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

119 65.4 33.1 99.2

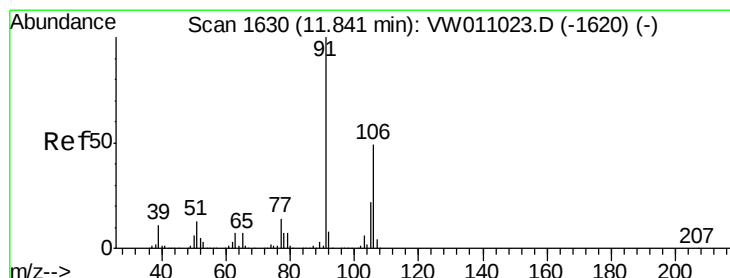
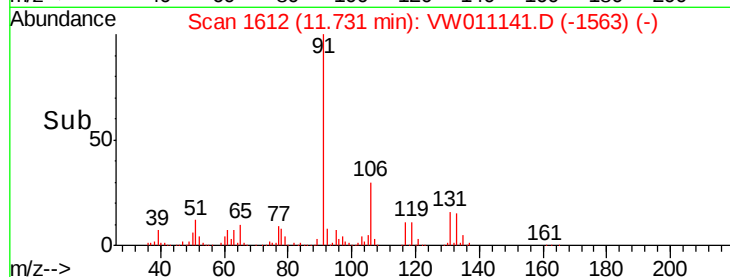
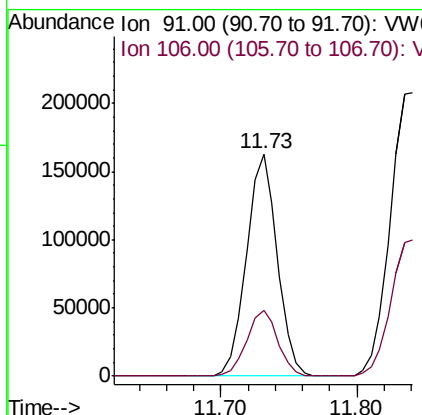
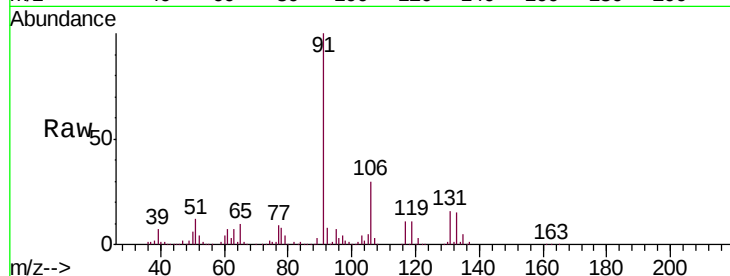




#67
Ethyl Benzene
Concen: 21.232 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

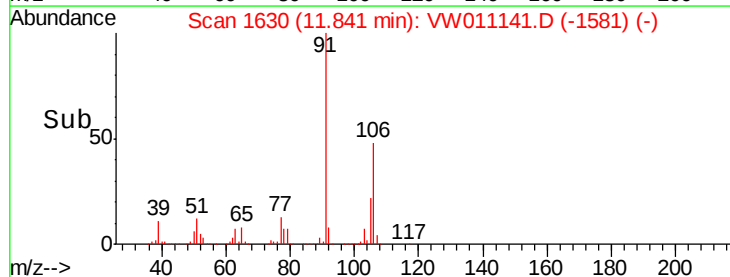
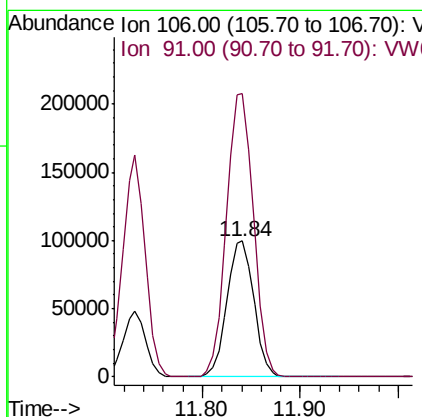
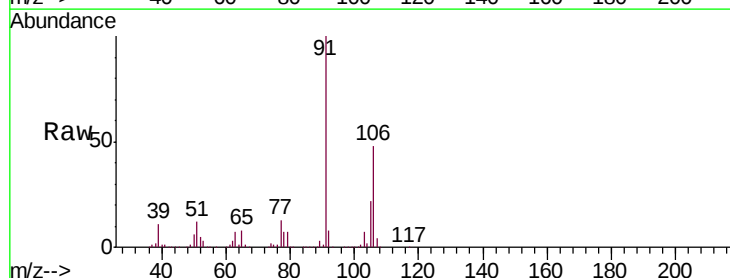
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

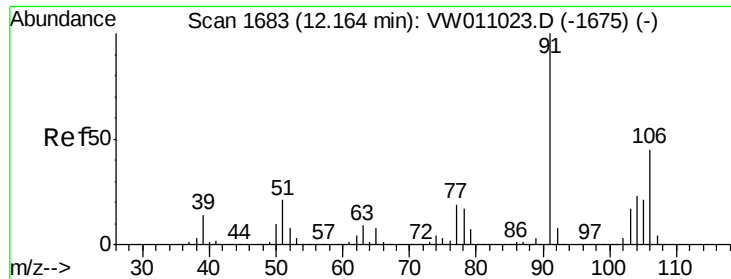
Tgt Ion: 91 Resp: 257979
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 42.918 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 106 Resp: 189221
Ion Ratio Lower Upper
106 100
91 209.9 167.5 251.3

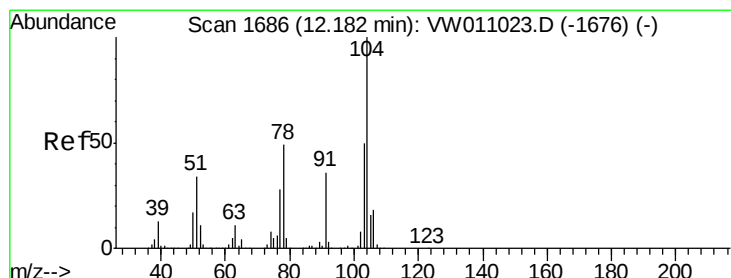
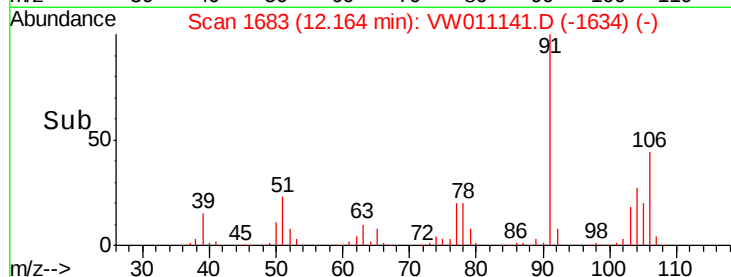
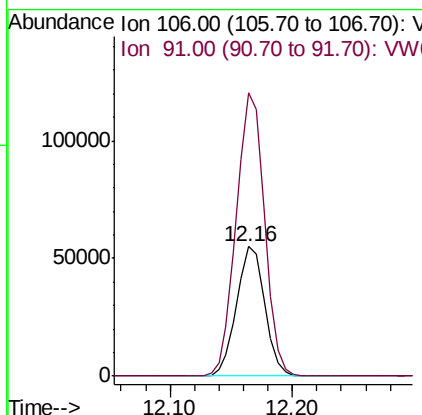
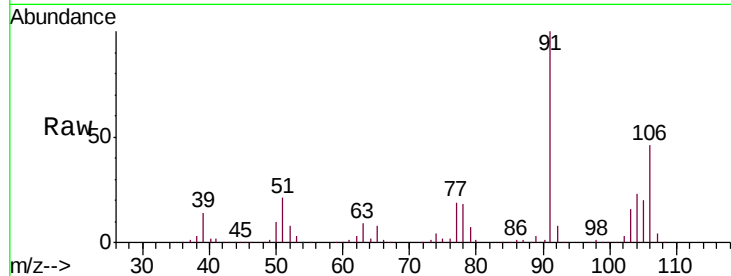




#69
o-Xylene
Concen: 21.357 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

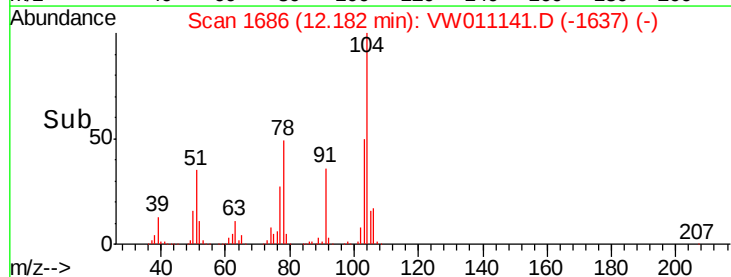
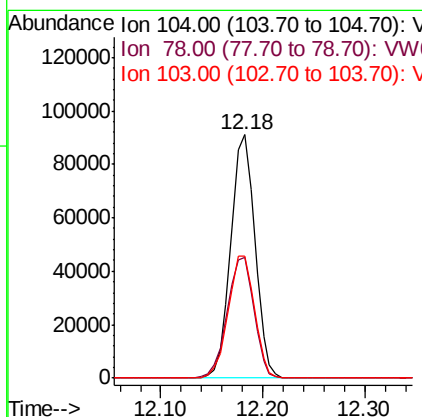
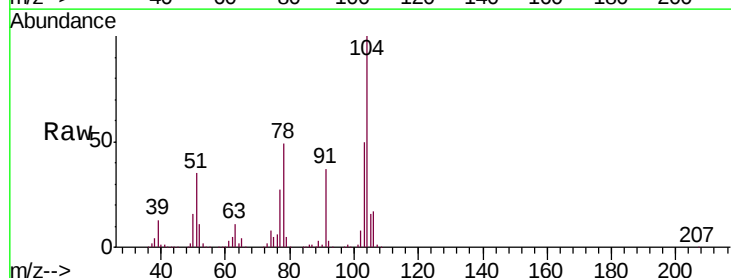
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

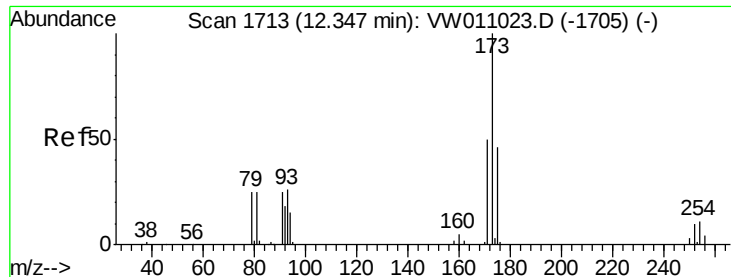
Tgt Ion:106 Resp: 87705
Ion Ratio Lower Upper
106 100
91 219.5 110.8 332.3



#70
Styrene
Concen: 20.933 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion:104 Resp: 149382
Ion Ratio Lower Upper
104 100
78 54.8 43.7 65.5
103 54.7 43.9 65.9

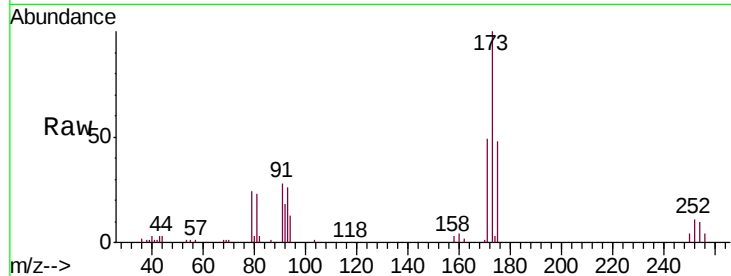




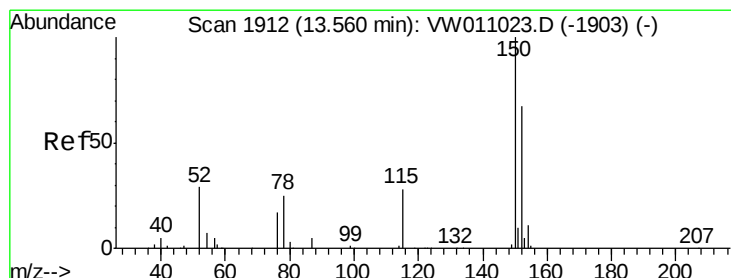
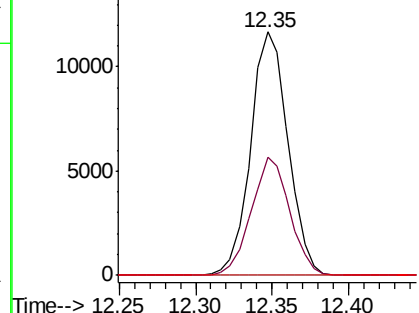
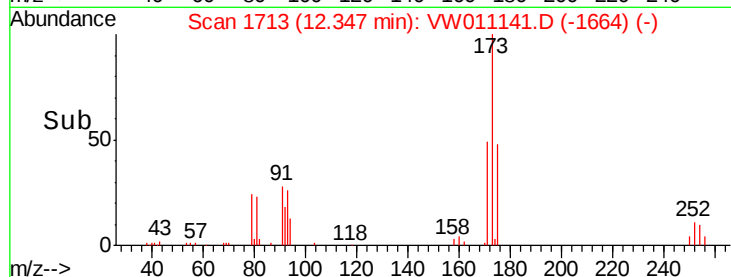
#71
 Bromoform
 Concen: 18.885 ug/l
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tgt Ion:173 Resp: 19830
 Ion Ratio Lower Upper
 173 100
 175 49.7 24.1 72.2
 254 0.0 0.0 0.0

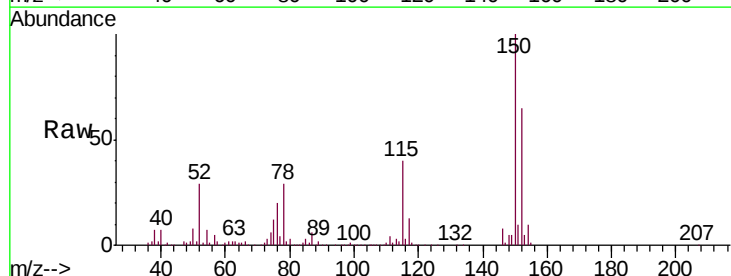


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

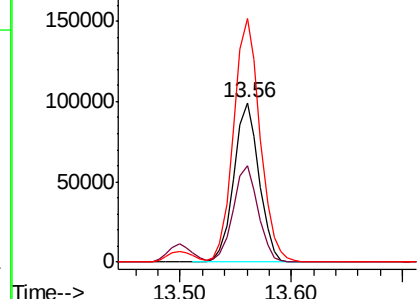
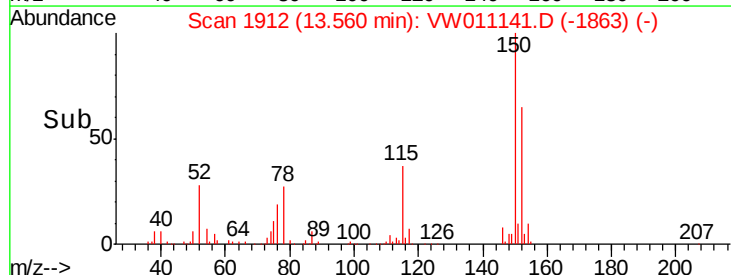


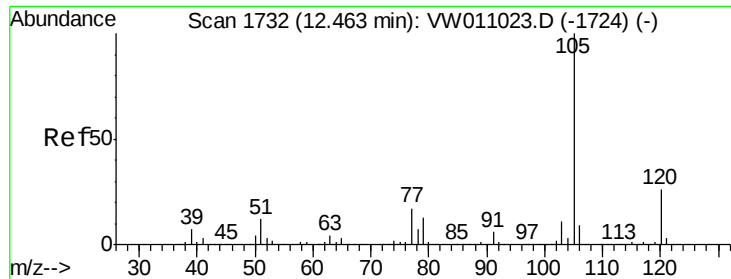
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion:152 Resp: 154095
 Ion Ratio Lower Upper
 152 100
 115 60.1 30.7 92.1
 150 161.8 0.0 341.8



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: 21.149 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

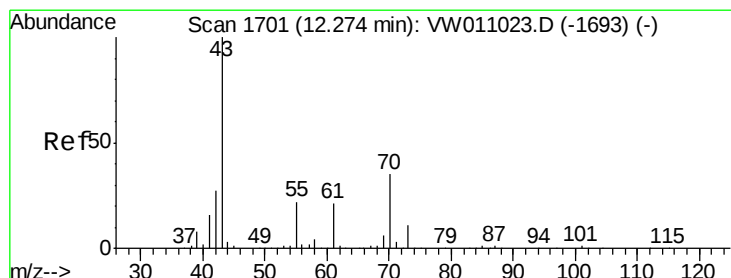
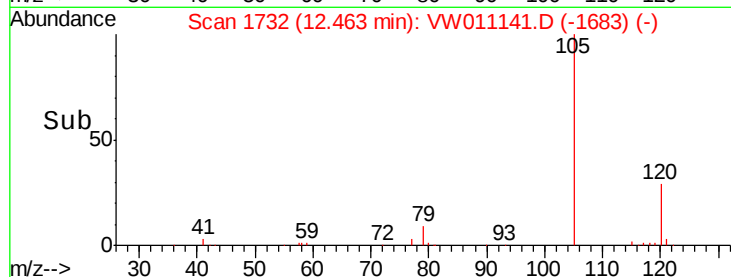
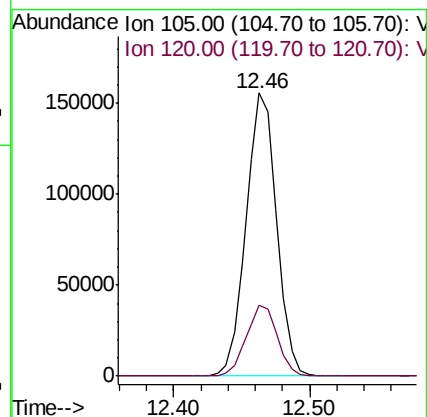
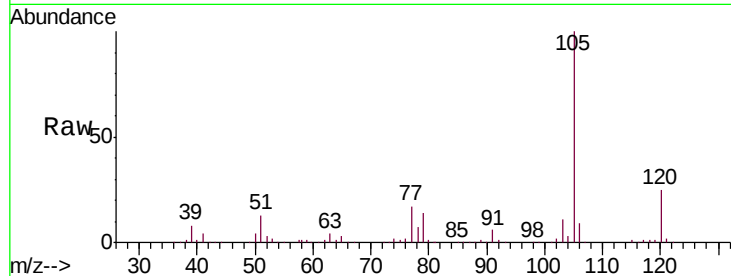
VW0704SBS01

Tgt Ion: 105 Resp: 244145

Ion Ratio Lower Upper

105 100

120 25.3 12.9 38.6



#74

N-ethyl acetate

Concen: 18.486 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion: 43 Resp: 71669

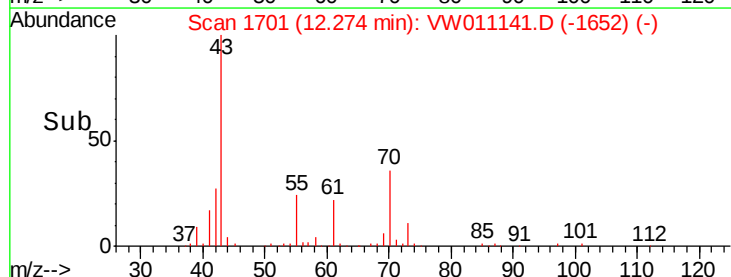
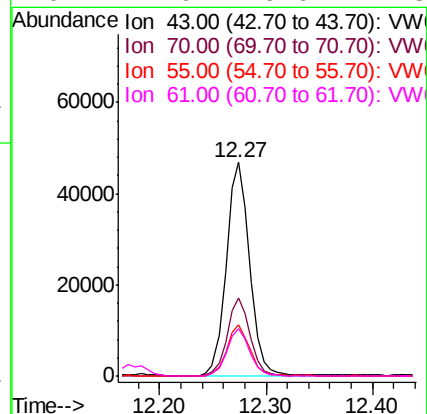
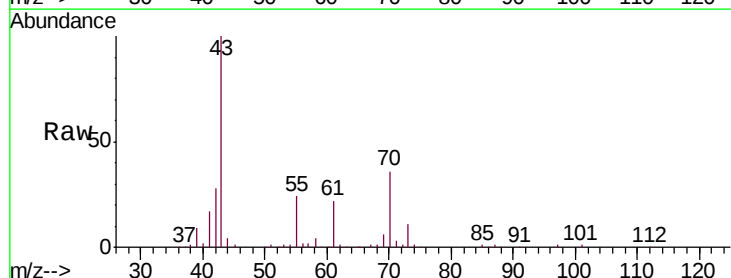
Ion Ratio Lower Upper

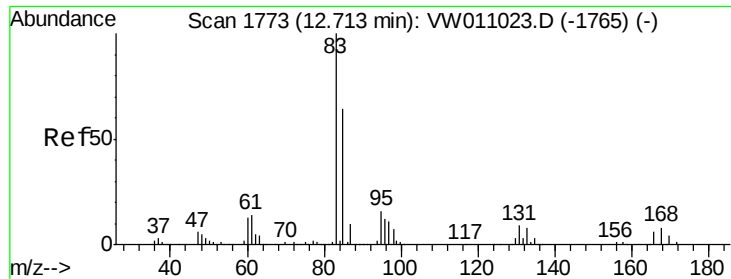
43 100

70 36.0 28.2 42.4

55 23.5 17.8 26.8

61 21.9 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.214 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

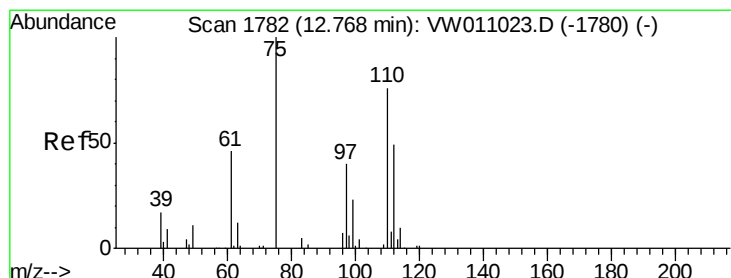
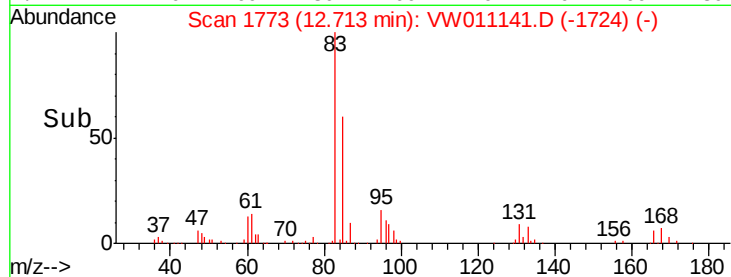
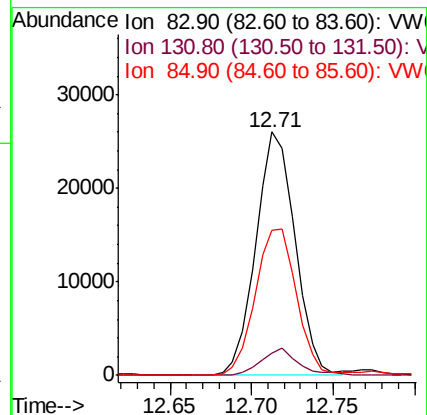
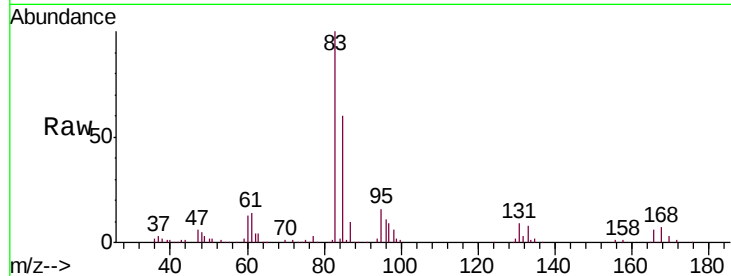
Tgt Ion: 83 Resp: 43557

Ion Ratio Lower Upper

83 100

131 10.5 5.0 14.9

85 63.1 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 33.960 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011141.D

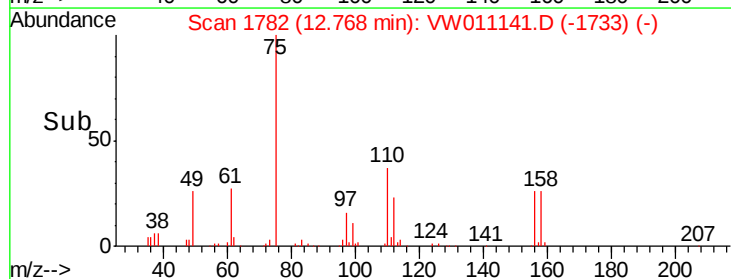
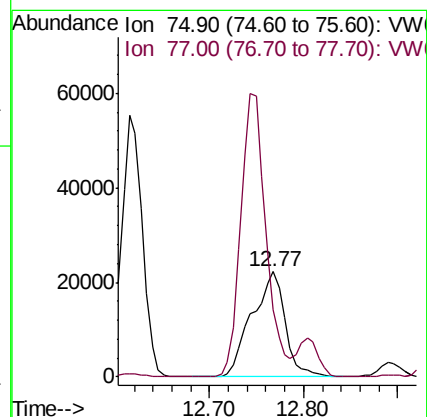
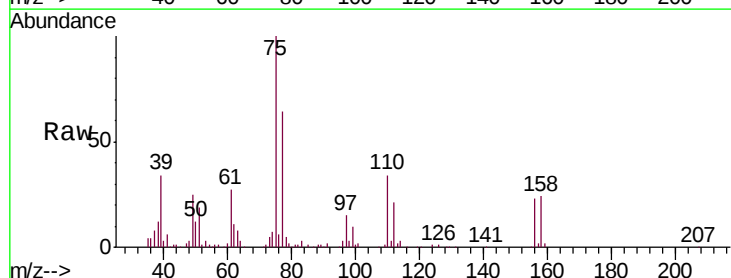
Acq: 03 Jul 2019 15:51

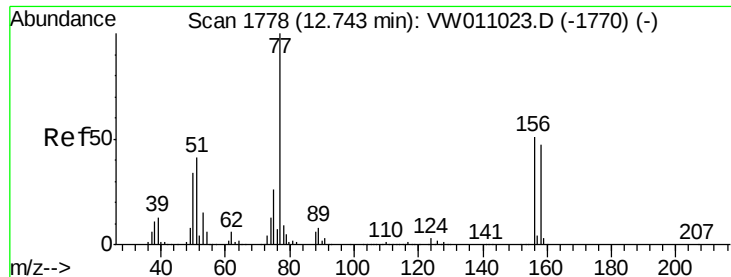
Tgt Ion: 75 Resp: 55247

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.303 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

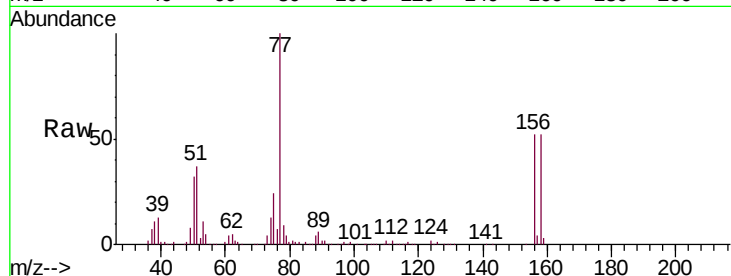
Tgt Ion:156 Resp: 51516

Ion Ratio Lower Upper

156 100

77 217.7 109.5 328.5

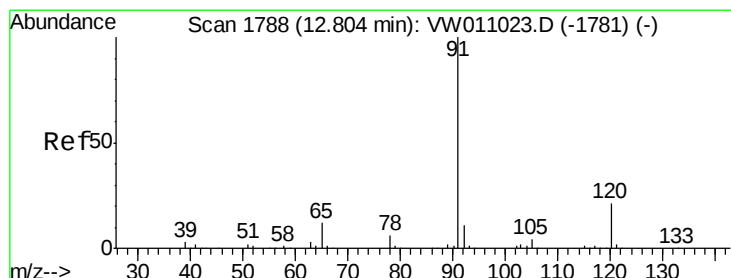
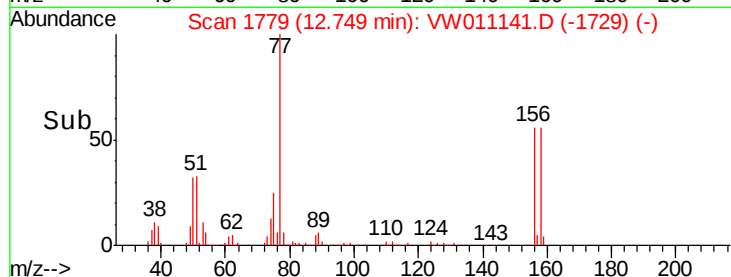
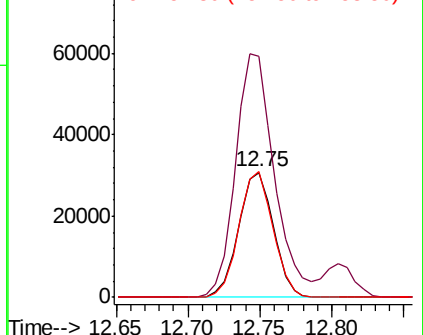
158 98.3 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.305 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011141.D

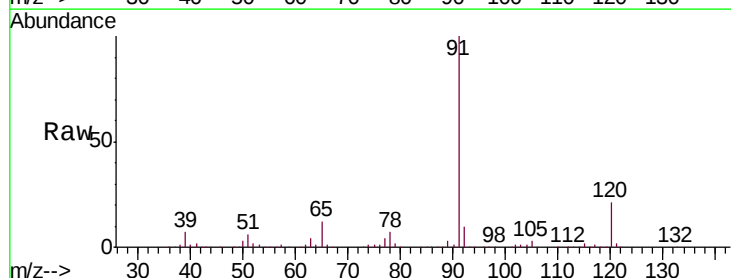
Acq: 03 Jul 2019 15:51

Tgt Ion: 91 Resp: 304558

Ion Ratio Lower Upper

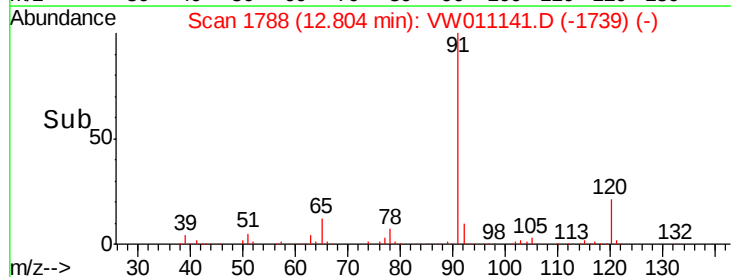
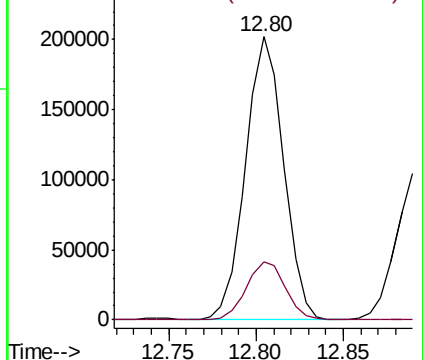
91 100

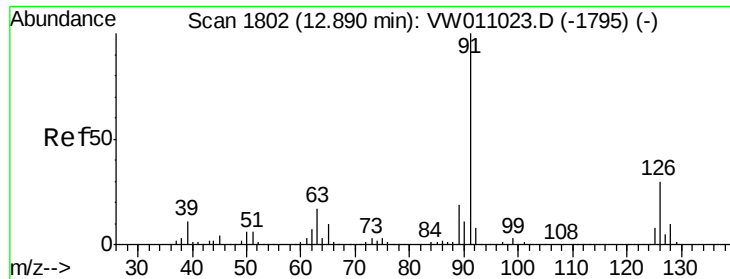
120 21.1 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.005 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

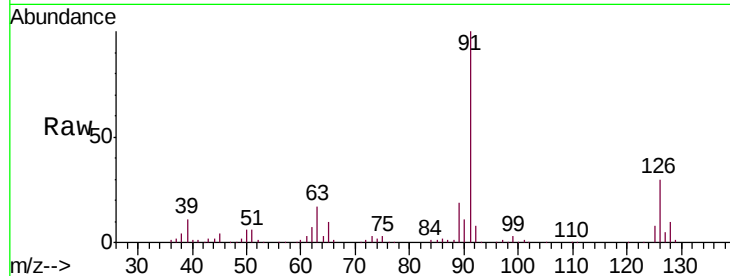
VW0704SBS01

Tgt Ion: 91 Resp: 171547

Ion Ratio Lower Upper

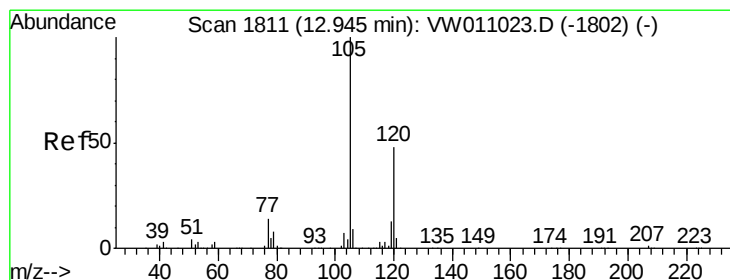
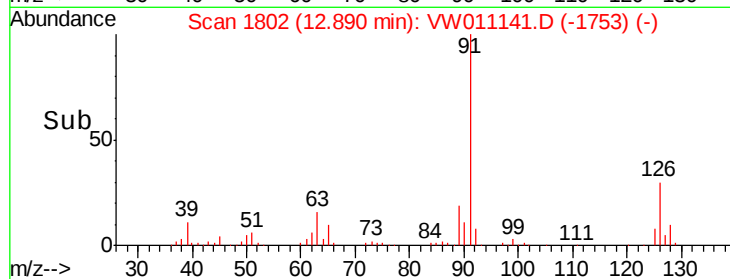
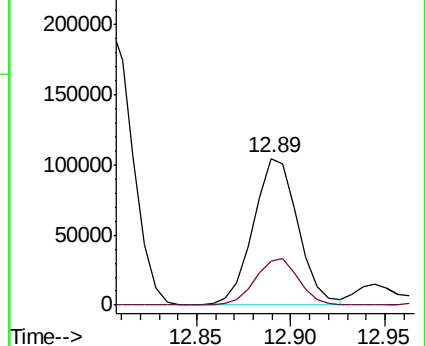
91 100

126 31.1 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.289 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011141.D

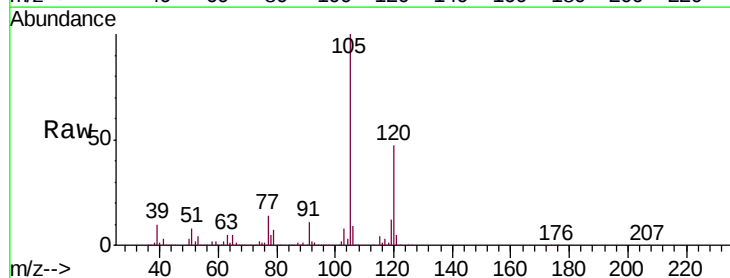
Acq: 03 Jul 2019 15:51

Tgt Ion:105 Resp: 208296

Ion Ratio Lower Upper

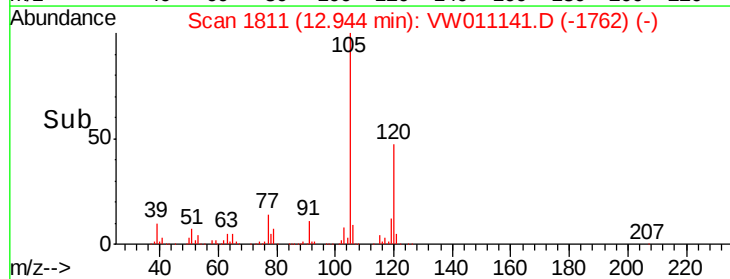
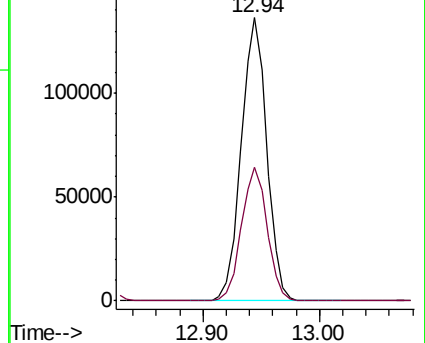
105 100

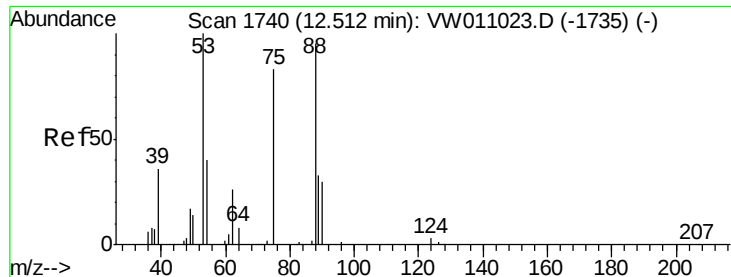
120 47.7 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

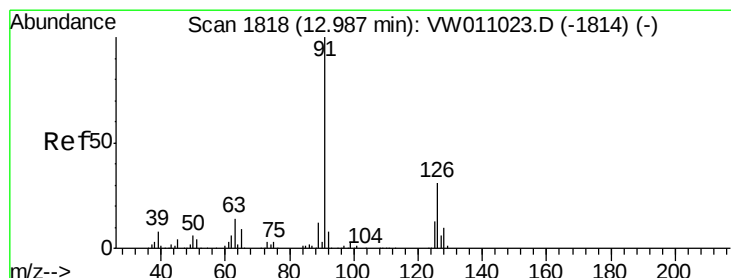
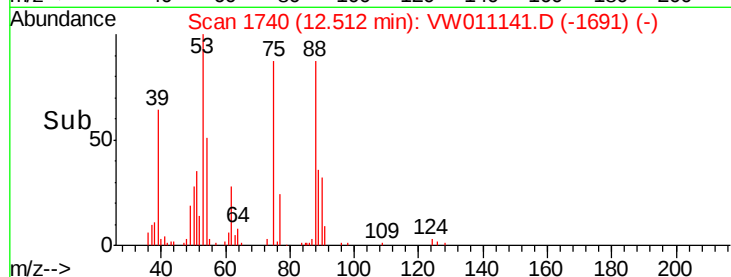
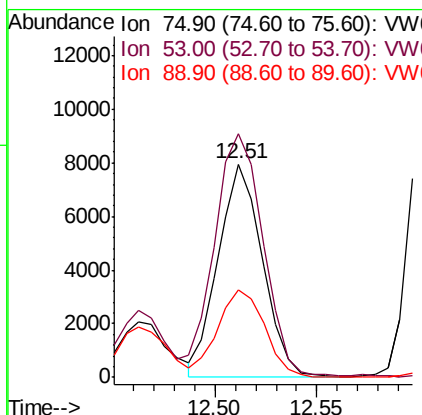
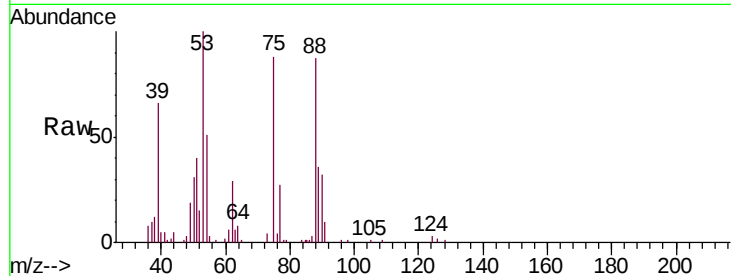




#81
trans-1,4-Dichloro-2-butene
Concen: 18.517 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

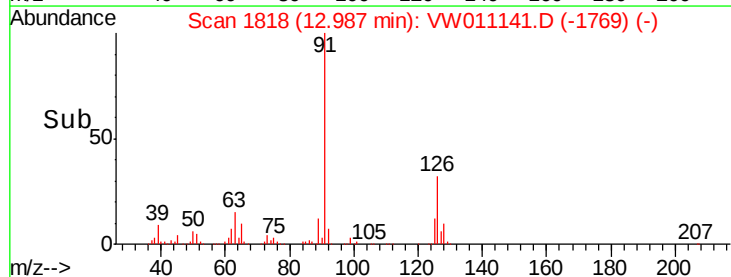
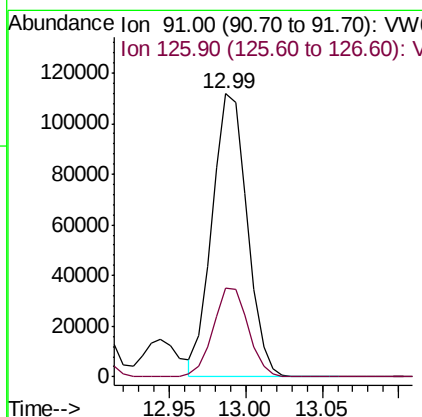
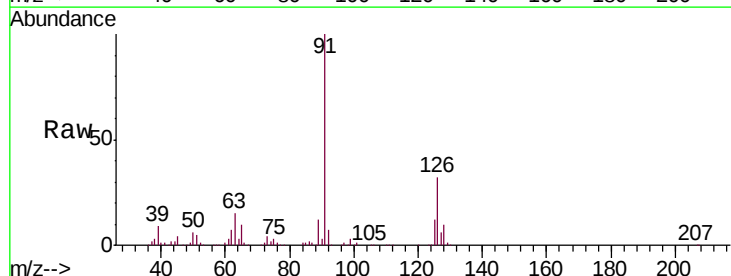
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

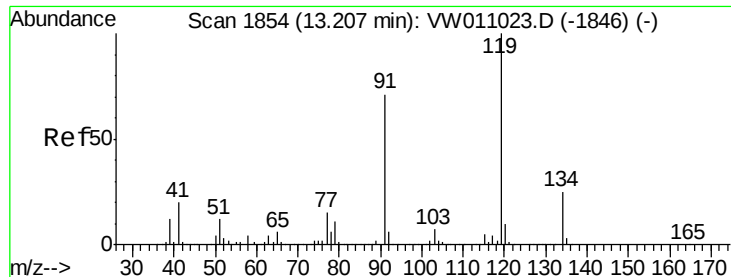
Tgt Ion: 75 Resp: 12006
Ion Ratio Lower Upper
75 100
53 124.6 95.6 143.4
89 43.4 34.4 51.6



#82
4-Chlorotoluene
Concen: 20.874 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 91 Resp: 177659
Ion Ratio Lower Upper
91 100
126 31.8 15.7 47.1

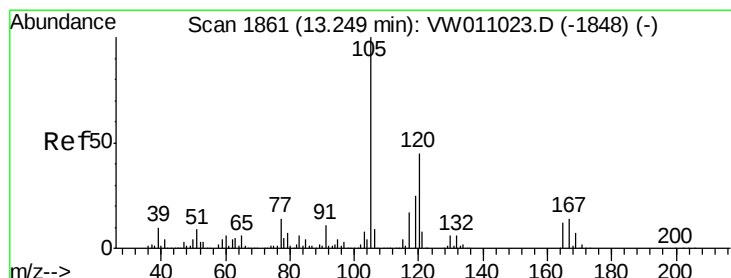
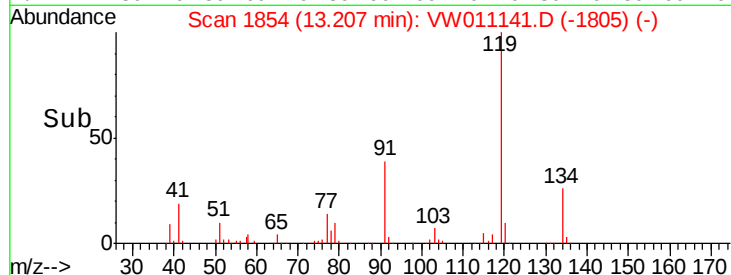
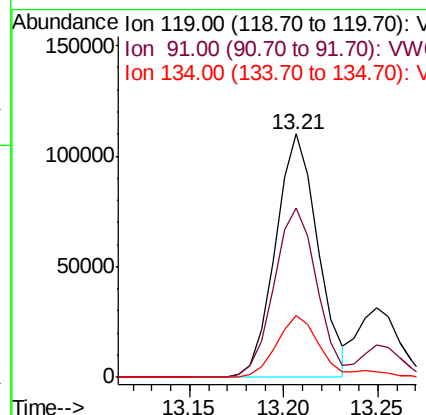
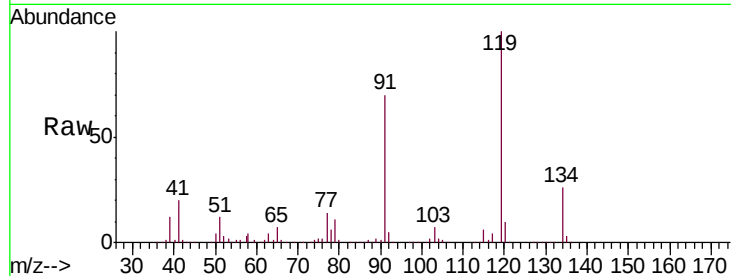




#83
 tert-Butylbenzene
 Concen: 21.044 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

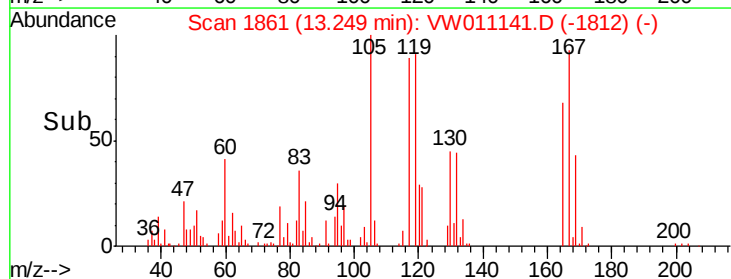
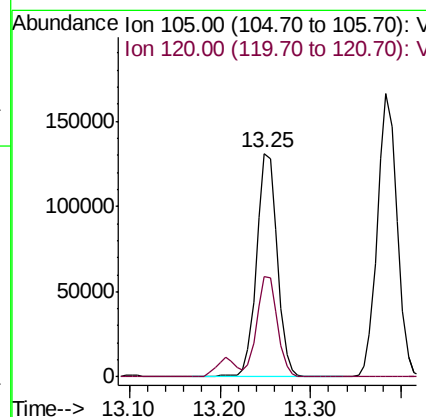
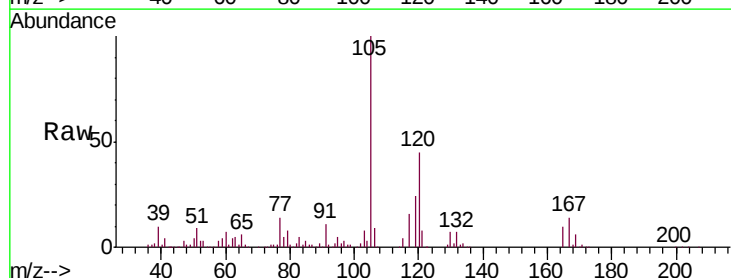
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

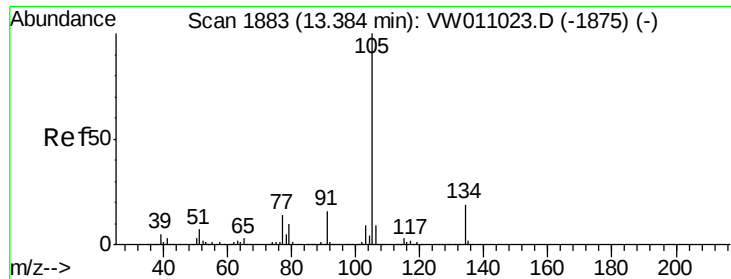
Tgt Ion:119 Resp: 171700
 Ion Ratio Lower Upper
 119 100
 91 71.4 35.5 106.5
 134 27.6 12.4 37.2



#84
 1,2,4-Trimethylbenzene
 Concen: 21.005 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion:105 Resp: 207732
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.4 67.2





#85

sec-Butylbenzene

Concen: 21.166 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

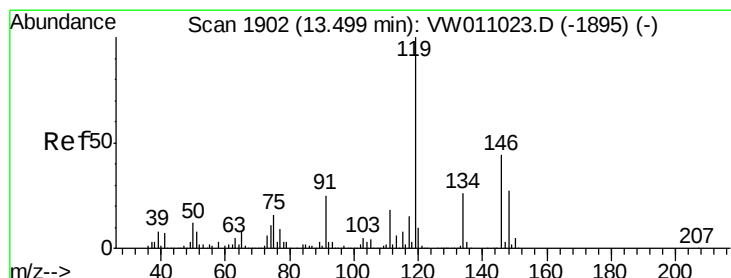
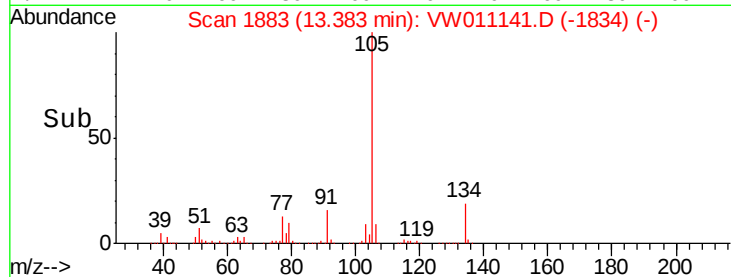
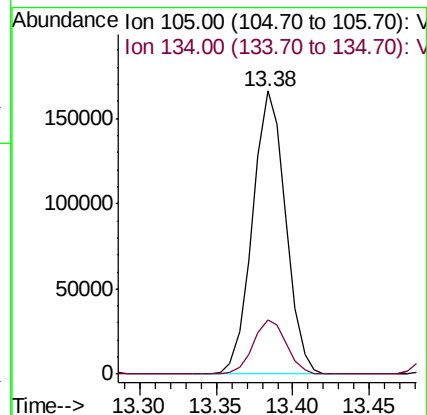
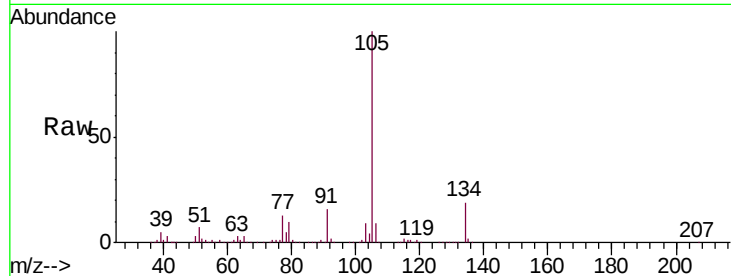
VW0704SBS01

Tgt Ion:105 Resp: 250872

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.8



#86

p-Isopropyltoluene

Concen: 20.950 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

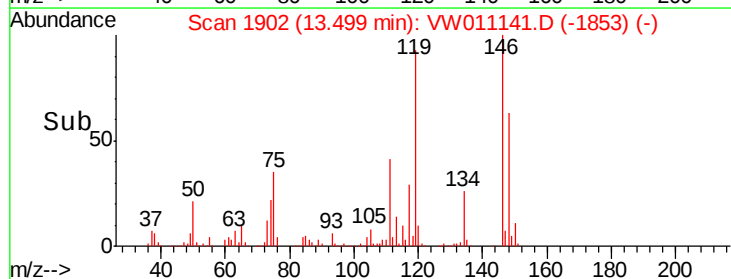
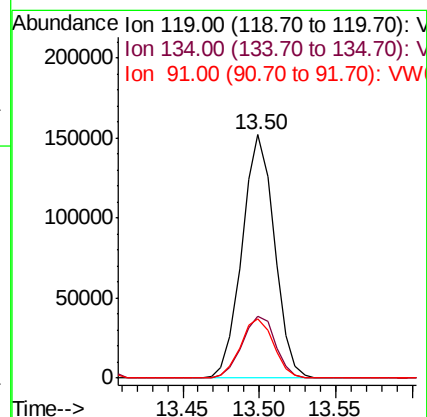
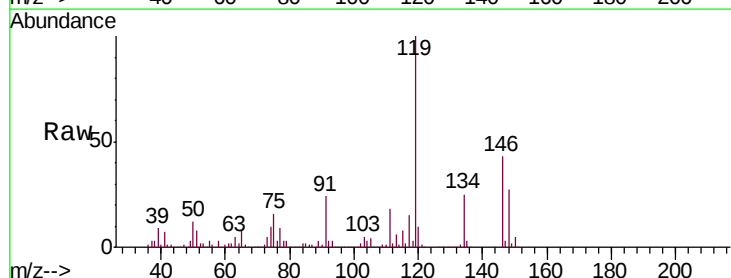
Tgt Ion:119 Resp: 223459

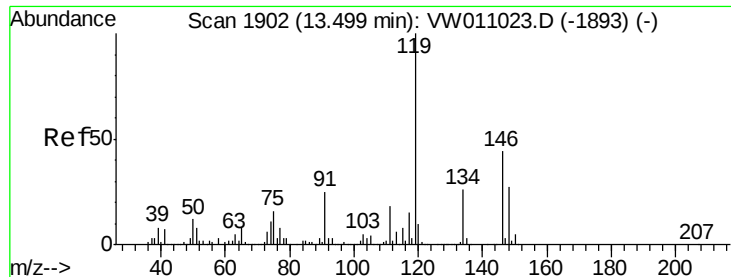
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.2 12.3 36.9

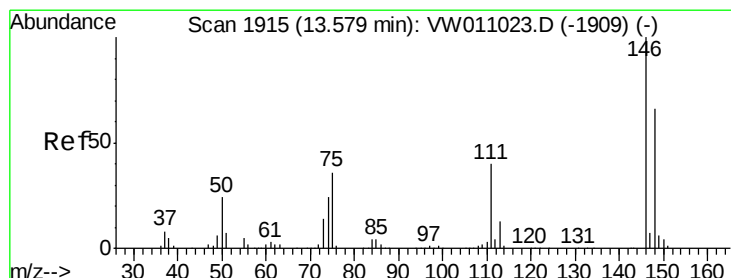
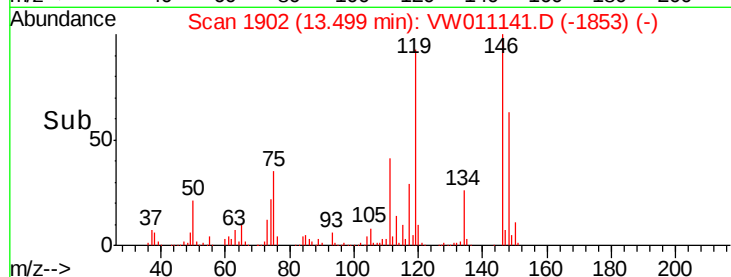
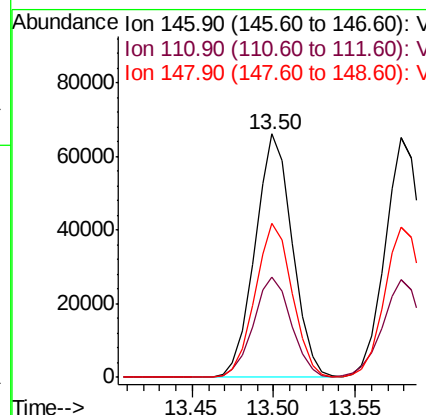
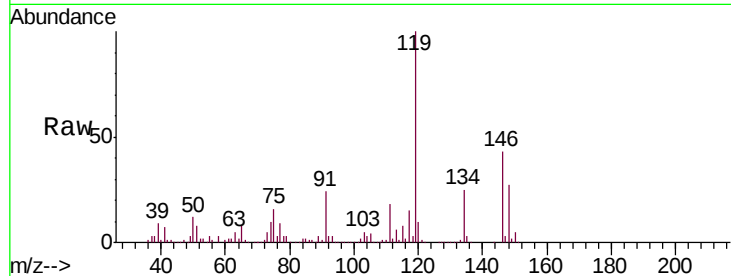




#87
 1,3-Dichlorobenzene
 Concen: 20.799 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

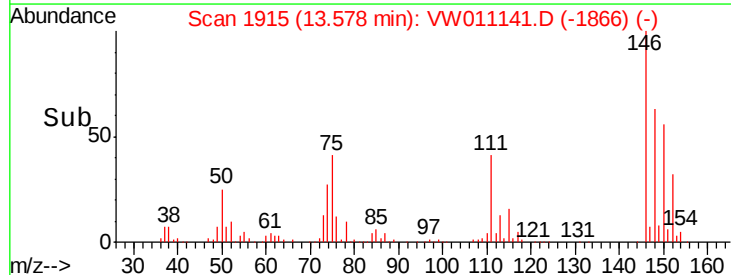
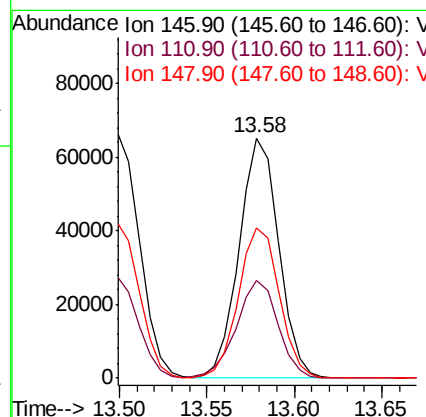
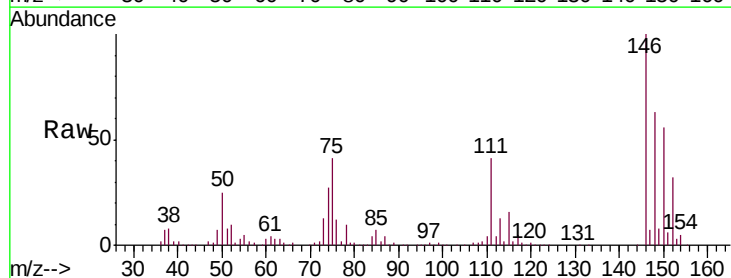
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

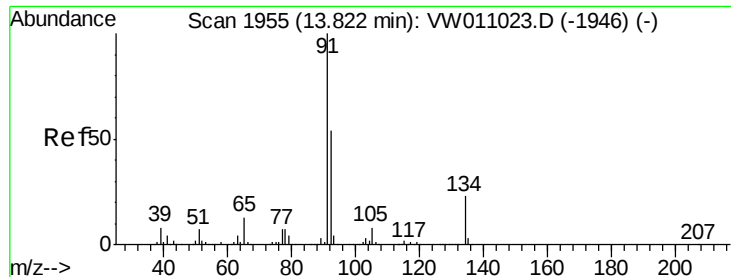
Tgt Ion:146 Resp: 104393
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.9 62.8
 148 63.1 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.503 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion:146 Resp: 102727
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.6 61.9
 148 64.7 32.4 97.2





#89

n-Butylbenzene

Concen: 21.071 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

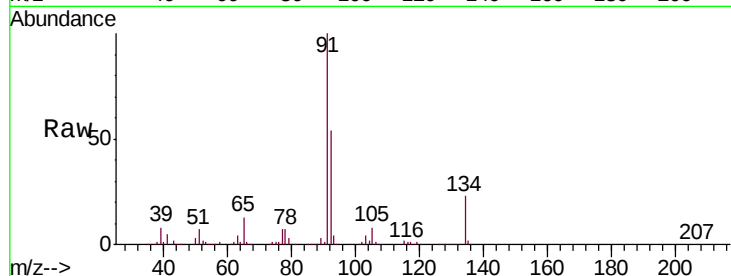
Tgt Ion: 91 Resp: 228433

Ion Ratio Lower Upper

91 100

92 54.3 27.1 81.2

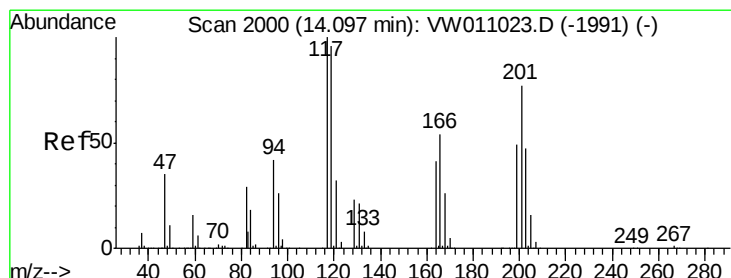
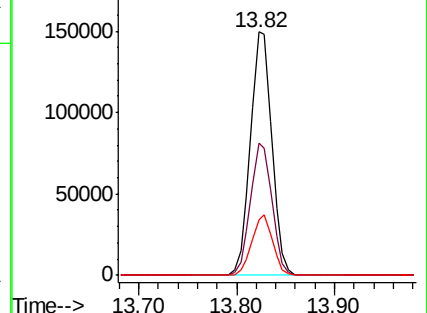
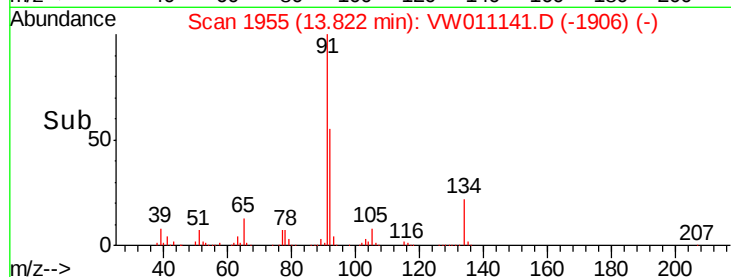
134 24.0 12.0 36.1



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: 19.908 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW011141.D

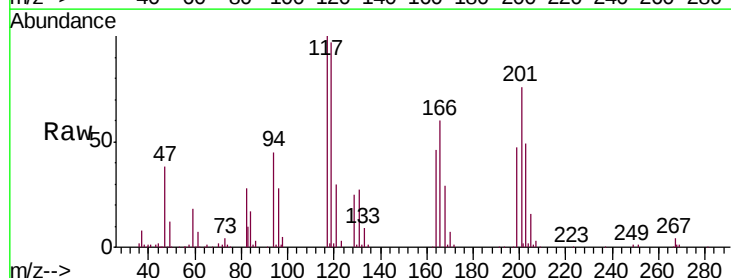
Acq: 03 Jul 2019 15:51

Tgt Ion: 117 Resp: 36331

Ion Ratio Lower Upper

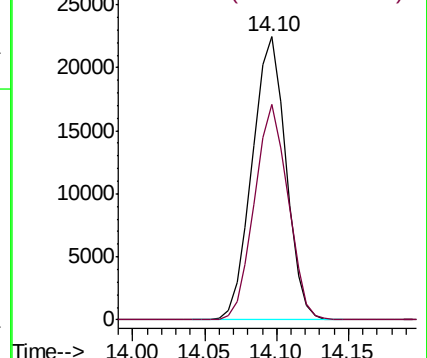
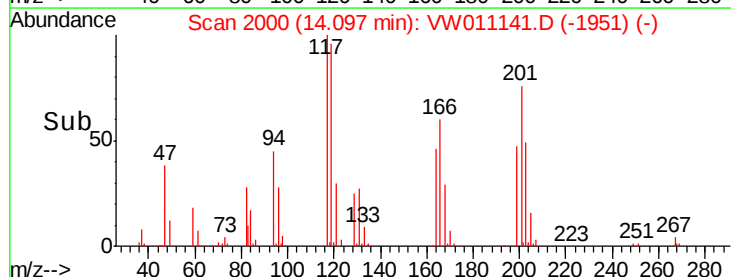
117 100

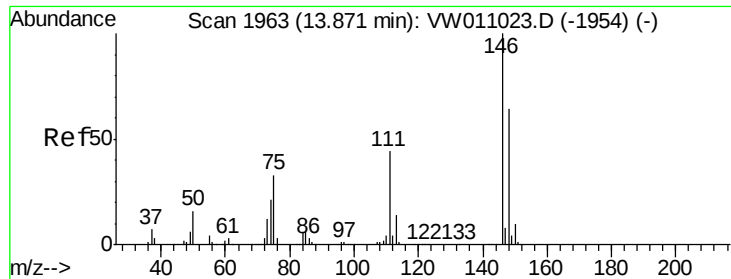
201 75.9 38.0 114.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

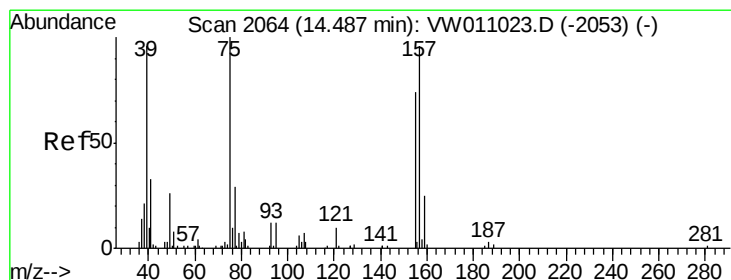
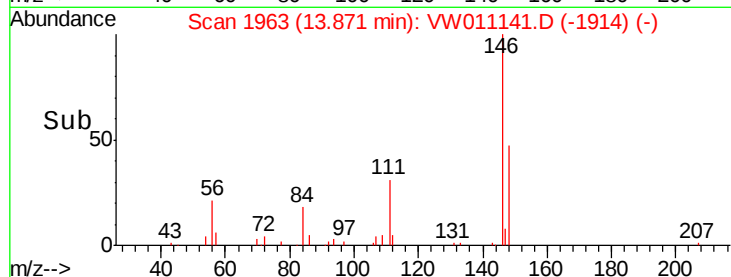
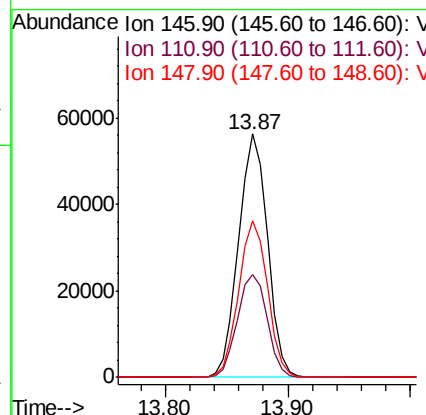
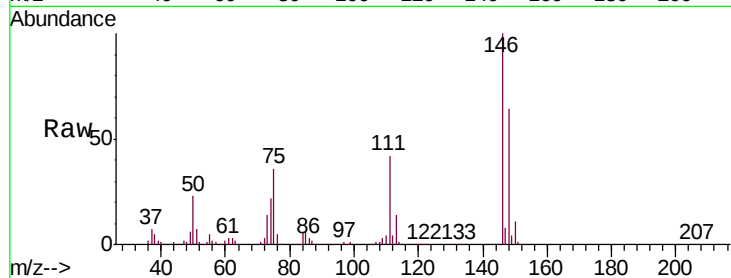




#91
 1,2-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

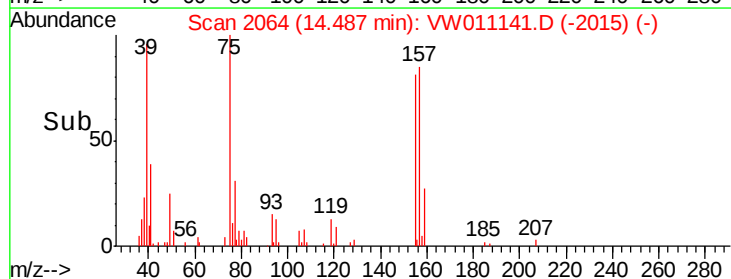
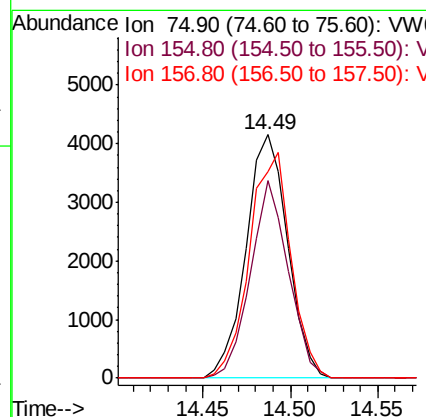
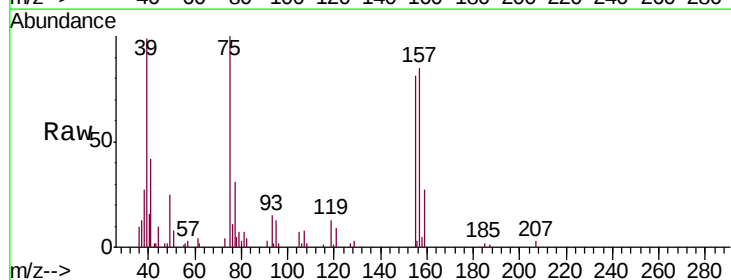
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

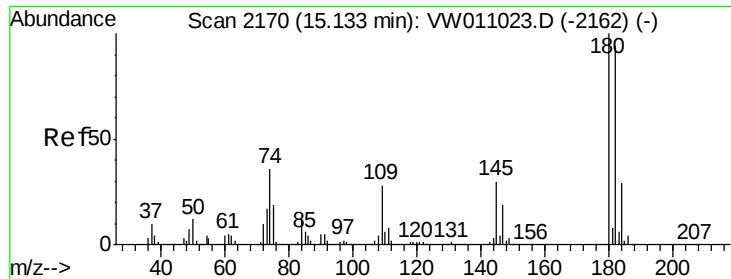
Tgt Ion: 146 Resp: 92000
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.4 64.3
 148 64.5 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.923 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 75 Resp: 6905
 Ion Ratio Lower Upper
 75 100
 155 74.1 37.0 110.9
 157 92.6 45.9 137.7

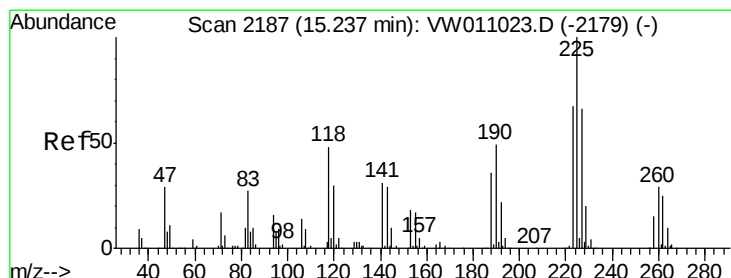
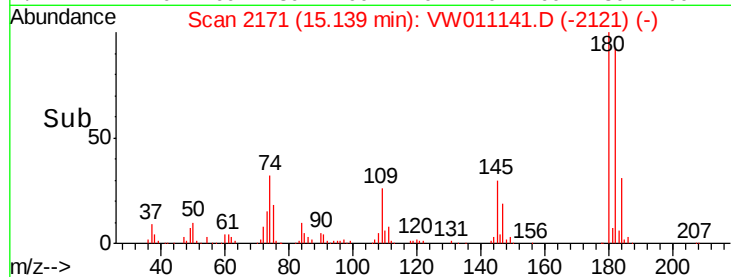
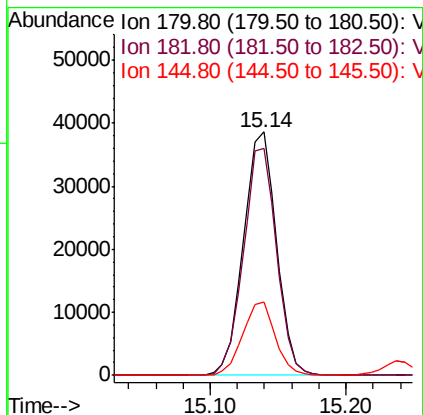
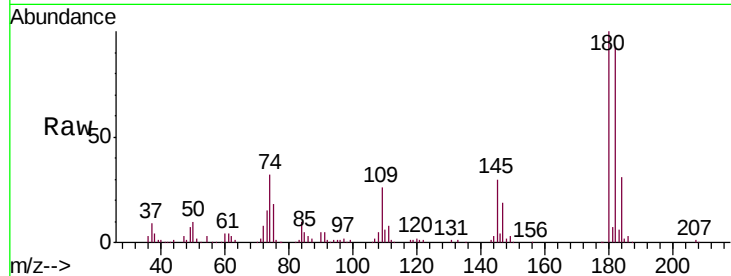




#93
 1,2,4-Trichlorobenzene
 Concen: 20.703 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

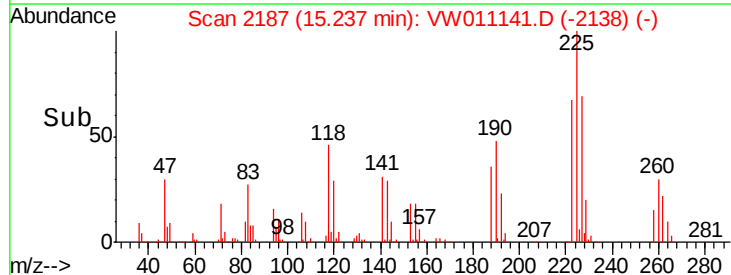
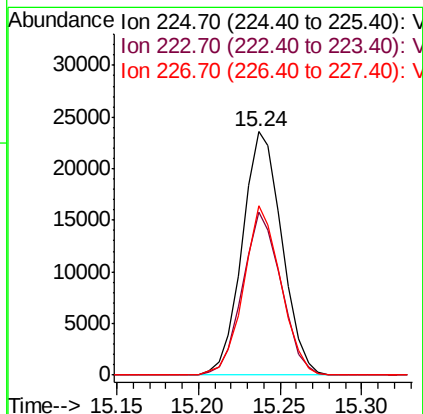
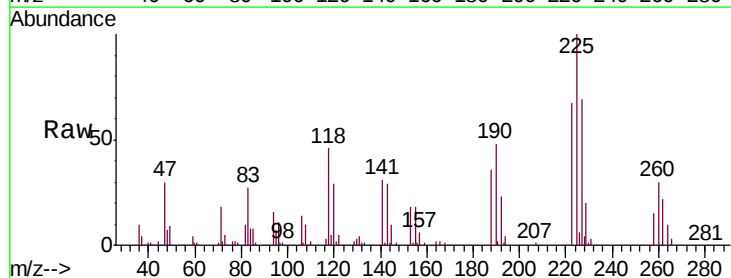
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

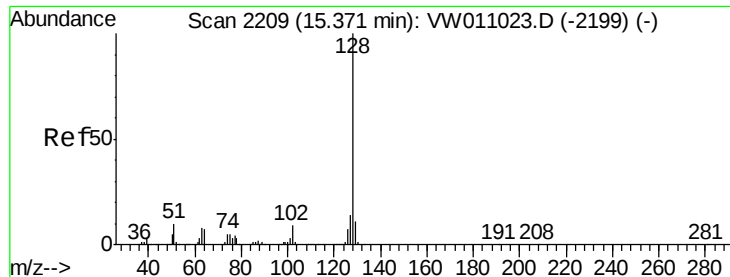
Tgt Ion:180 Resp: 65665
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.4 142.2
 145 29.6 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 20.644 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion:225 Resp: 39714
 Ion Ratio Lower Upper
 225 100
 223 64.9 31.9 95.9
 227 65.4 31.9 95.9

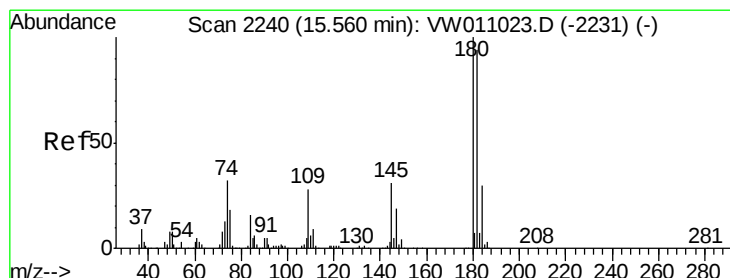
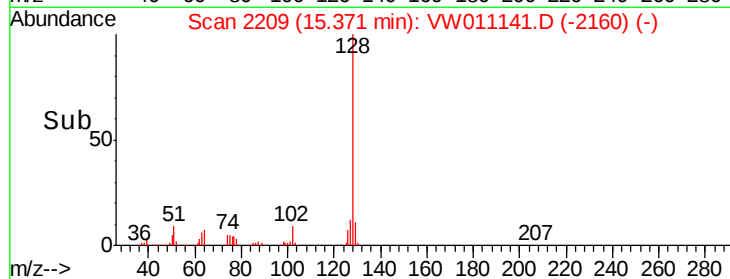
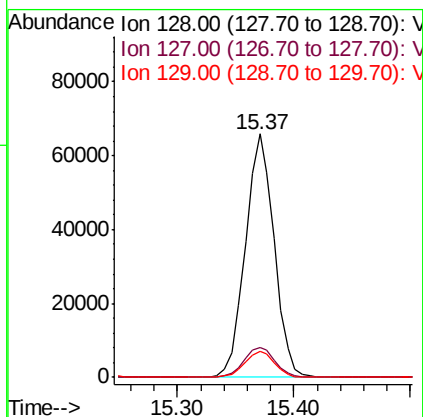
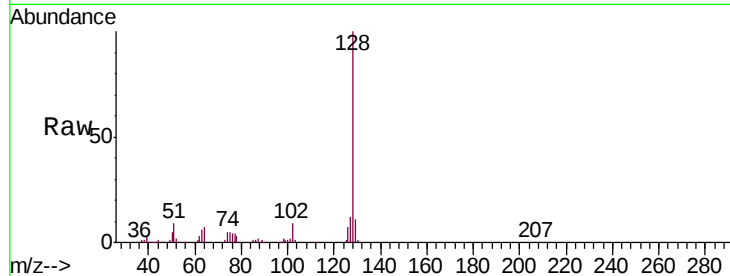




#95
Naphthalene
Concen: 19.055 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tgt Ion:128 Resp: 113528
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.907 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion:180 Resp: 56379
Ion Ratio Lower Upper
180 100
182 95.5 47.9 143.7
145 32.1 16.1 48.2

