

Data File : VW009238.D
Acq On : 19 Mar 2019 13:13
Operator : SY/VA
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Quant Time: Mar 20 07:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	333567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	509804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	250520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	526792	148.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.94%	
35) Dibromofluoromethane	7.88	113	456197	141.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.14%	
50) Toluene-d8	10.32	98	1773213	150.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.76%	
62) 4-Bromofluorobenzene	12.62	95	663407	153.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	281361	120.226	ug/l	97
3) Chloromethane	2.22	50	386937	160.023	ug/l	96
4) Vinyl Chloride	2.37	62	514318	144.921	ug/l	97
5) Bromomethane	2.77	94	420773	145.385	ug/l	96
6) Chloroethane	2.92	64	414888	150.681	ug/l	100
7) Trichlorofluoromethane	3.25	101	388020	166.900	ug/l	97
8) Diethyl Ether	3.67	74	235461	140.434	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	453927	134.786	ug/l	98
10) Methyl Iodide	4.27	142	671118	138.238	ug/l	98
11) Tert butyl alcohol	5.17	59	161155	782.755	ug/l	98
12) 1,1-Dichloroethene	4.03	96	442311	138.940	ug/l	98
13) Acrolein	3.89	56	120902	719.088	ug/l	98
14) Allyl chloride	4.66	41	703872	149.979	ug/l	99
15) Acrylonitrile	5.36	53	542628	770.082	ug/l	100
16) Acetone	4.12	43	523287	718.859	ug/l	99
17) Carbon Disulfide	4.38	76	1219516	137.413	ug/l	97
18) Methyl Acetate	4.67	43	288244	154.288	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	586503	150.112	ug/l	96
20) Methylene Chloride	4.91	84	443093	130.363	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	470997	143.805	ug/l	95
22) Diisopropyl ether	6.31	45	1569672	155.142	ug/l	97
23) Vinyl Acetate	6.25	43	5288777	833.114	ug/l	100
24) 1,1-Dichloroethane	6.21	63	896038	143.500	ug/l	99
25) 2-Butanone	7.17	43	836869	802.323	ug/l	97
26) 2,2-Dichloropropane	7.16	77	480523	137.730	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	529383	149.194	ug/l	98
28) Bromochloromethane	7.51	49	402992	147.140	ug/l	96
29) Tetrahydrofuran	7.52	42	545119	822.211	ug/l	100
30) Chloroform	7.67	83	929640	143.090	ug/l	99
31) Cyclohexane	7.95	56	796860	136.885	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	737514	142.215	ug/l	98
36) 1,1-Dichloropropene	8.08	75	714783	140.898	ug/l	99
37) Ethyl Acetate	7.25	43	365532	157.903	ug/l	99
38) Carbon Tetrachloride	8.06	117	753247	140.303	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	860316	146.578	ug/l	96
40) Benzene	8.32	78	1964790	142.822	ug/l	100
41) Methacrylonitrile	7.48	41	206350	165.390	ug/l	94
42) 1,2-Dichloroethane	8.40	62	653379	145.291	ug/l	100
43) Isopropyl Acetate	8.42	43	736694	158.928	ug/l	99
44) Trichloroethene	9.09	130	525999	139.572	ug/l	99
45) 1,2-Dichloropropane	9.37	63	501180	143.310	ug/l	97
46) Dibromomethane	9.46	93	280703	145.965	ug/l	98
47) Bromodichloromethane	9.64	83	720609	148.284	ug/l	99
48) Methyl methacrylate	9.43	41	364855	170.008	ug/l	94
49) 1,4-Dioxane	9.45	88	93216	3125.077	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1969531	815.277	ug/l	100
52) Toluene	10.38	92	1309183	150.190	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	758243	160.004	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	816205	153.095	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	382649	146.945	ug/l	98
56) Ethyl methacrylate	10.65	69	536824	173.127	ug/l	97
57) 1,3-Dichloropropane	10.93	76	677352	150.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	281551	310.327	ug/l	100
59) 2-Hexanone	10.97	43	1394282	850.134	ug/l	98
60) Dibromochloromethane	11.13	129	486387	151.182	ug/l	99
61) 1,2-Dibromoethane	11.23	107	373428	150.566	ug/l	100
64) Tetrachloroethene	10.86	164	457212	140.917	ug/l	97
65) Chlorobenzene	11.66	112	1398079	142.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	537108	146.760	ug/l	100
67) Ethyl Benzene	11.73	91	2594627	152.889	ug/l	100
68) m/p-Xylenes	11.84	106	1968270	299.225	ug/l	99
69) o-Xylene	12.16	106	947287	155.082	ug/l	99
70) Styrene	12.18	104	1601478	159.015	ug/l	99
71) Bromoform	12.35	173	306552	153.352	ug/l #	99
73) Isopropylbenzene	12.46	105	2667786	159.323	ug/l	100
74) N-amyl acetate	12.27	43	770614	176.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	476308	152.068	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	661890	261.310	ug/l #	100
77) Bromobenzene	12.75	156	584612	147.396	ug/l	98
78) n-propylbenzene	12.80	91	3158372	153.580	ug/l	100
79) 2-Chlorotoluene	12.90	91	1778793	152.262	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	2193900	154.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	166165	173.189	ug/l	99
82) 4-Chlorotoluene	12.99	91	1873680	152.241	ug/l	99
83) tert-Butylbenzene	13.21	119	1907958	156.789	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2250236	154.142	ug/l	100
85) sec-Butylbenzene	13.38	105	2765306	153.782	ug/l	99
86) p-Isopropyltoluene	13.50	119	2501059	156.192	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1193770	145.447	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1152978	141.085	ug/l	99
89) n-Butylbenzene	13.83	91	2366930	153.988	ug/l	99
90) Hexachloroethane	14.10	117	466928	147.898	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1063389	144.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	87921	156.764	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
Response via : Initial Calibration

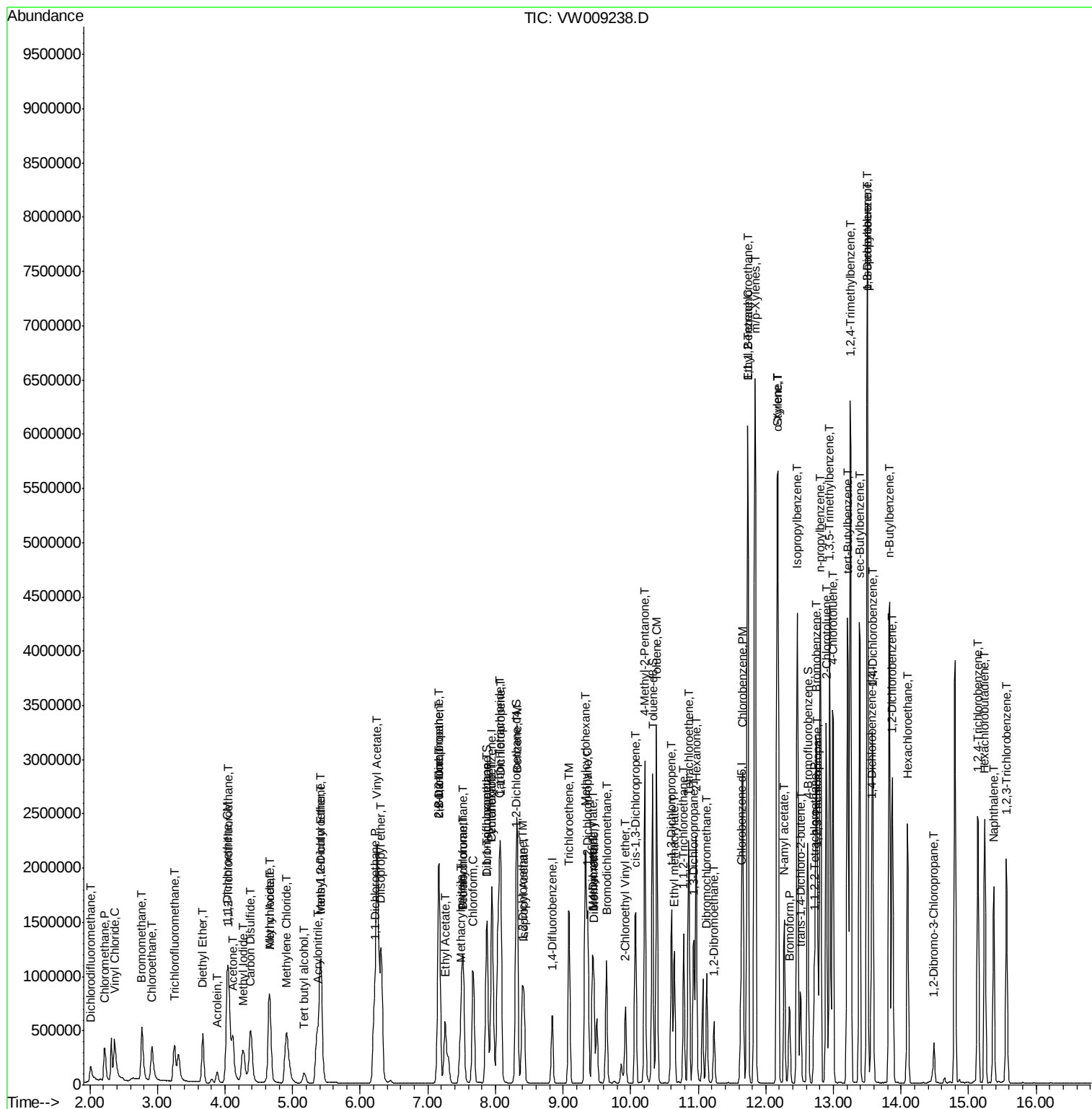
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	733366	148.371	ug/l	100
94) Hexachlorobutadiene	15.24	225	435080	138.397	ug/l	99
95) Naphthalene	15.37	128	1450927	169.425	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	647492	146.753	ug/l	99

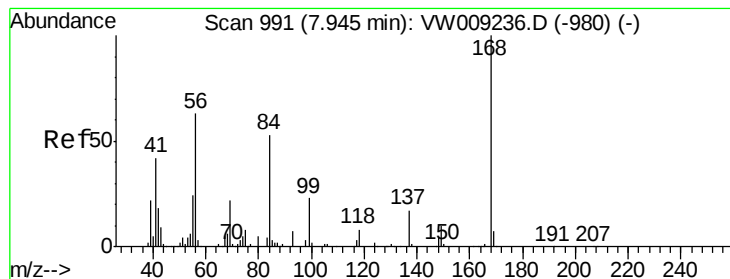
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Data File : VW009238.D
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Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Quant Time: Mar 20 07:05:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 06:57:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

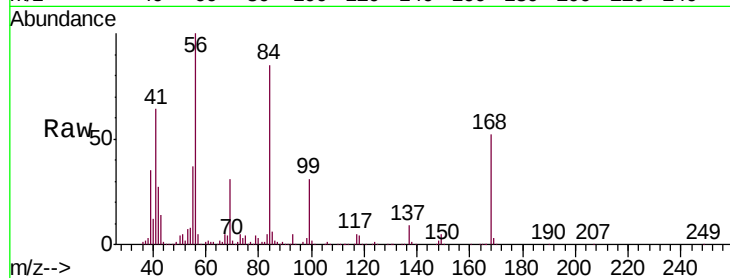
VSTDIC150

Tgt Ion:168 Resp: 333567

Ion Ratio Lower Upper

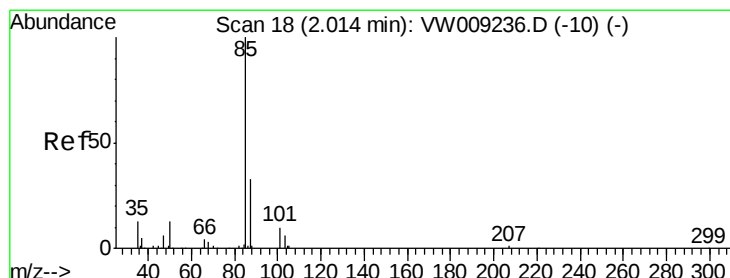
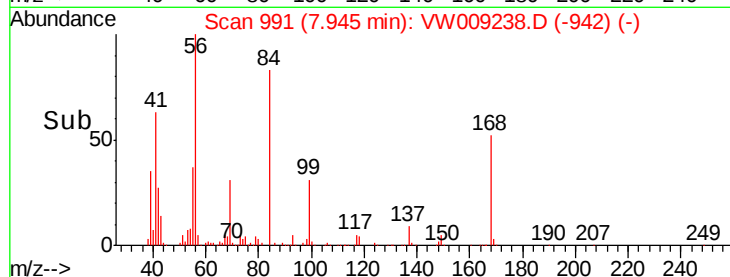
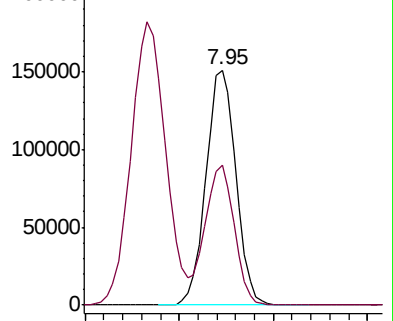
168 100

99 59.4 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 120.226 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009238.D

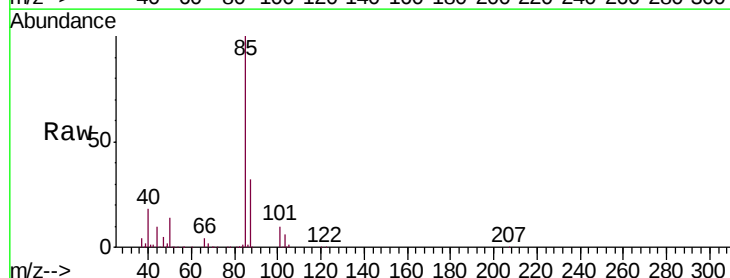
Acq: 19 Mar 2019 13:13

Tgt Ion: 85 Resp: 281361

Ion Ratio Lower Upper

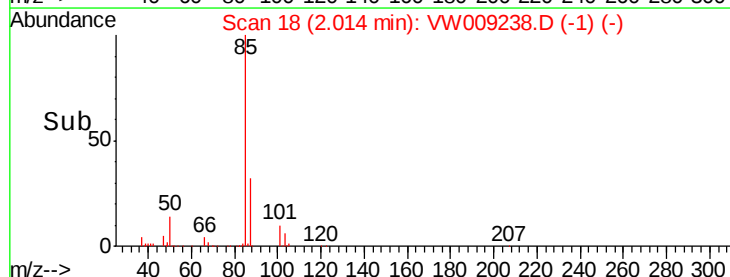
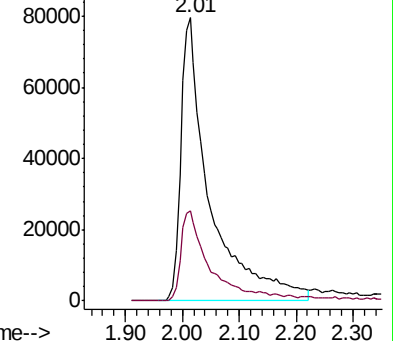
85 100

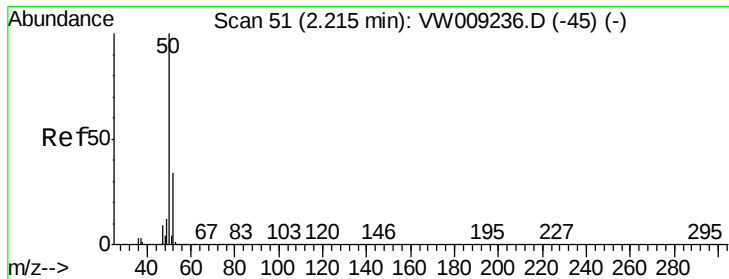
87 31.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 160.023 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

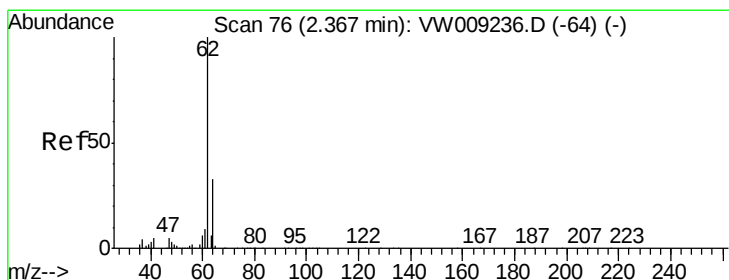
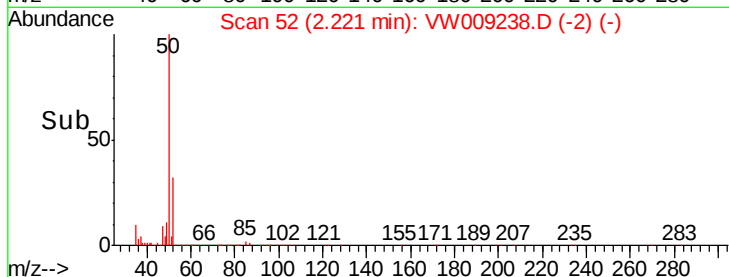
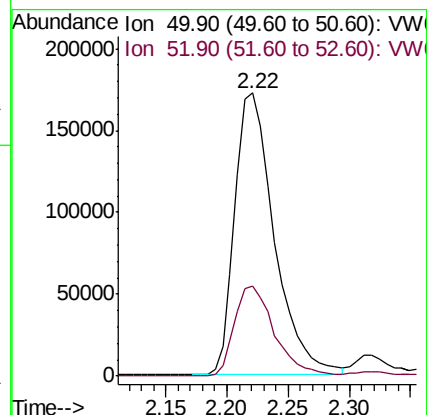
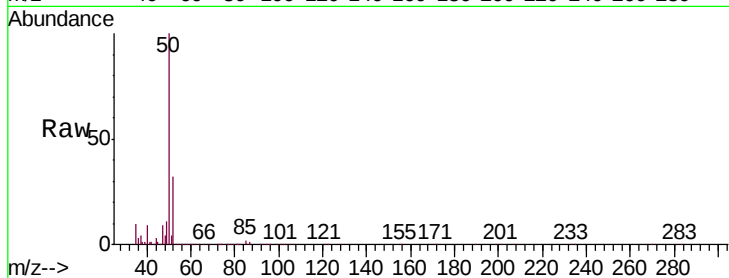
VSTDIC150

Tgt Ion: 50 Resp: 386937

Ion Ratio Lower Upper

50 100

52 32.0 27.2 40.8



#4

Vinyl Chloride

Concen: 144.921 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009238.D

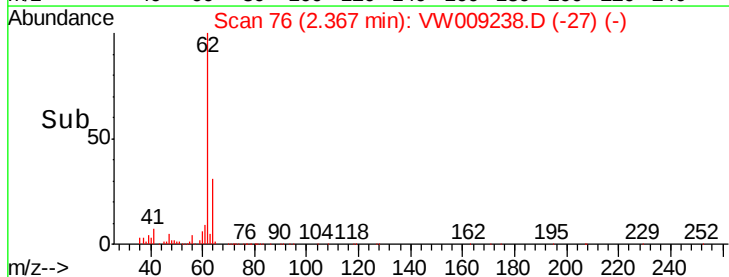
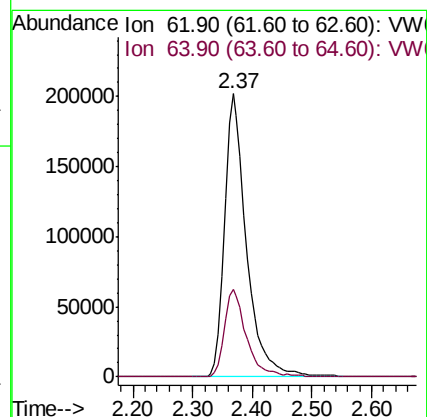
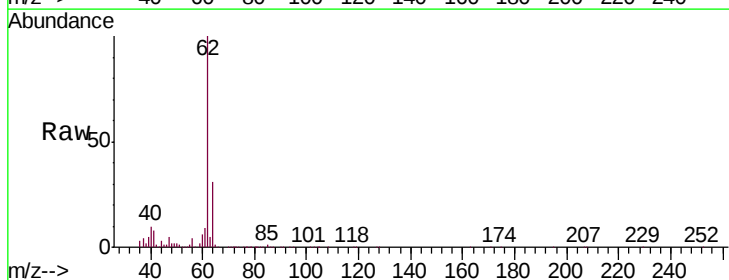
Acq: 19 Mar 2019 13:13

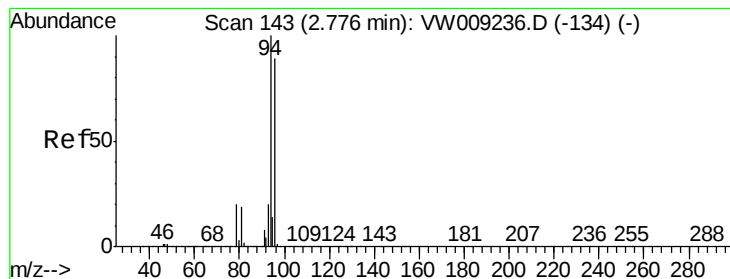
Tgt Ion: 62 Resp: 514318

Ion Ratio Lower Upper

62 100

64 30.8 26.2 39.2





#5

Bromomethane

Concen: 145.385 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

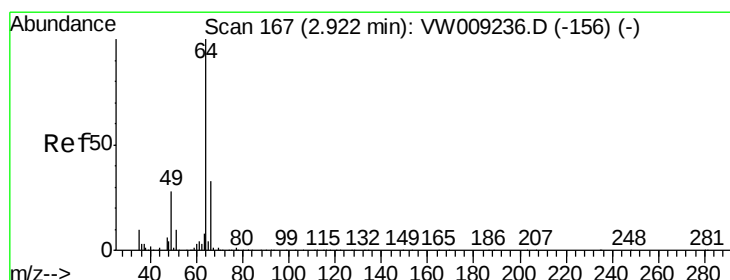
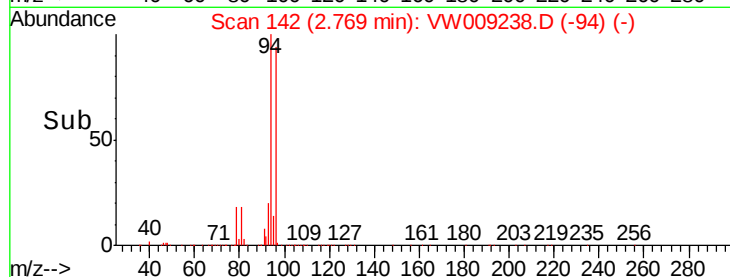
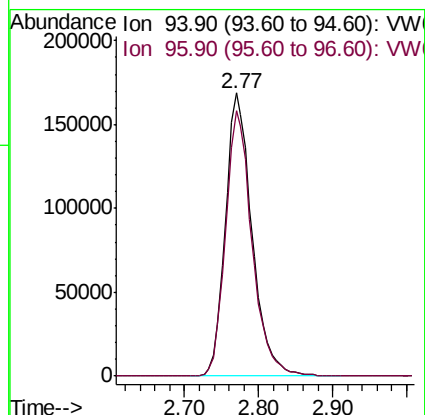
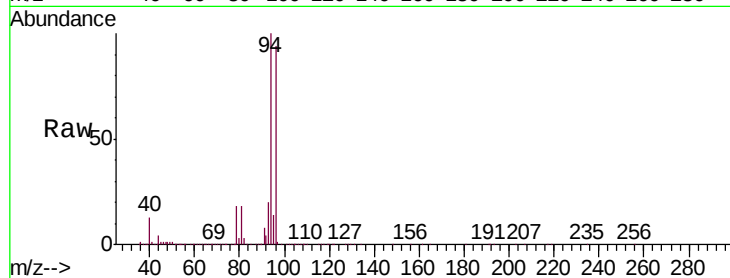
VSTDIC150

Tgt Ion: 94 Resp: 420773

Ion Ratio Lower Upper

94 100

96 93.5 71.4 107.2



#6

Chloroethane

Concen: 150.681 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW009238.D

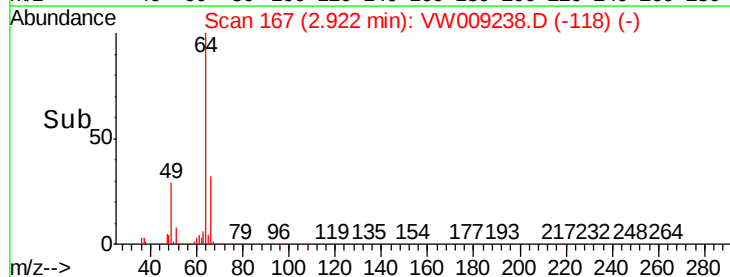
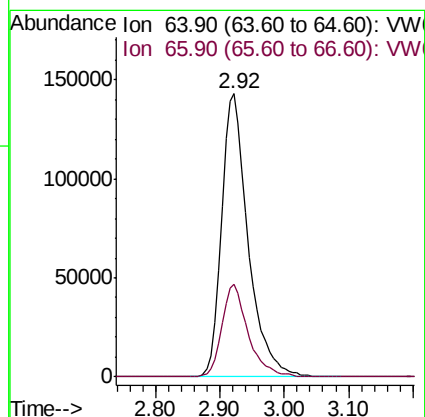
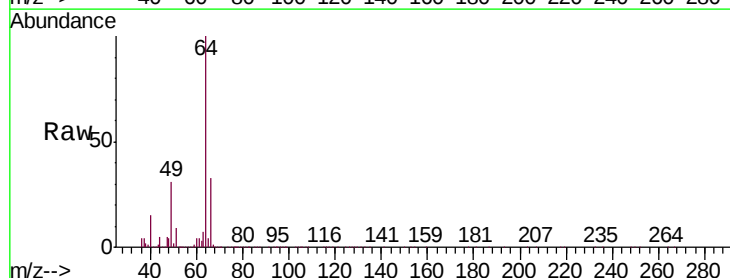
Acq: 19 Mar 2019 13:13

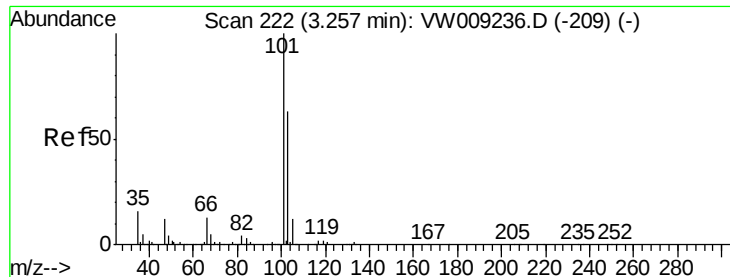
Tgt Ion: 64 Resp: 414888

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2



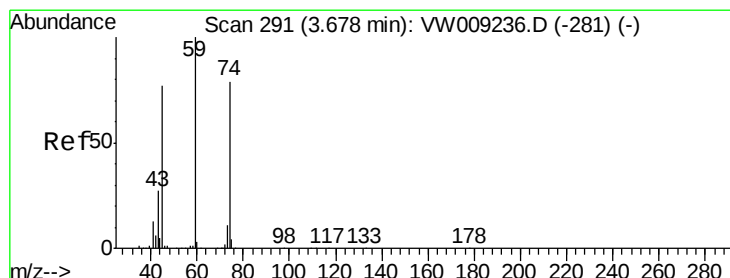
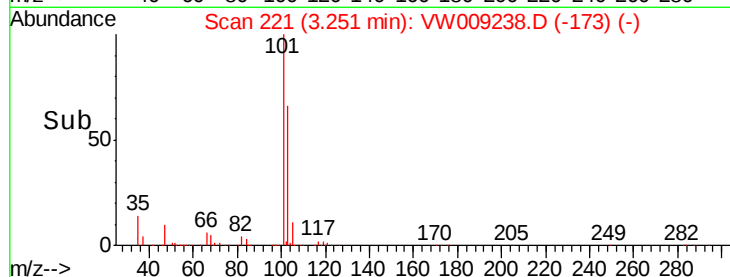
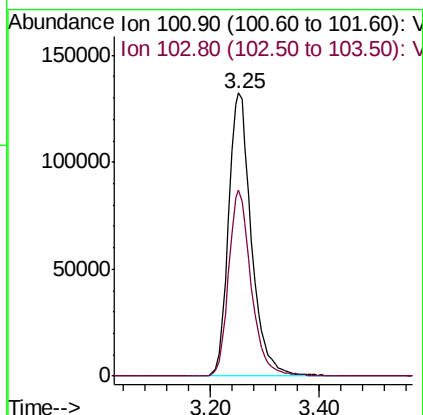
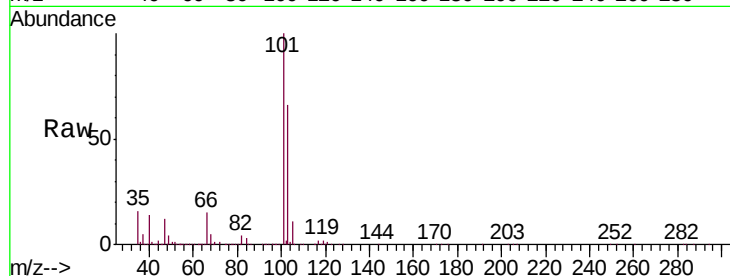


#7

Trichlorofluoromethane
 Concen: 166.900 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009238.D
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Instrument :
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 VSTDIC150

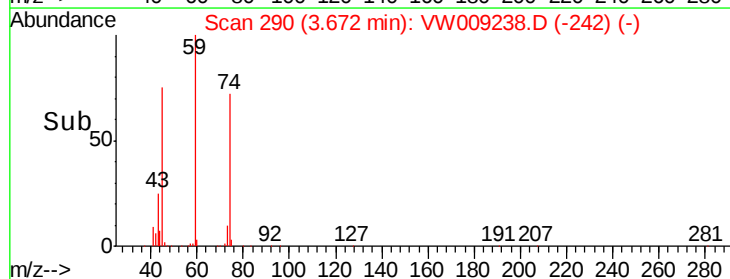
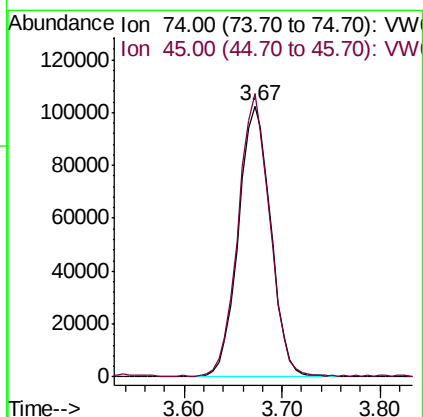
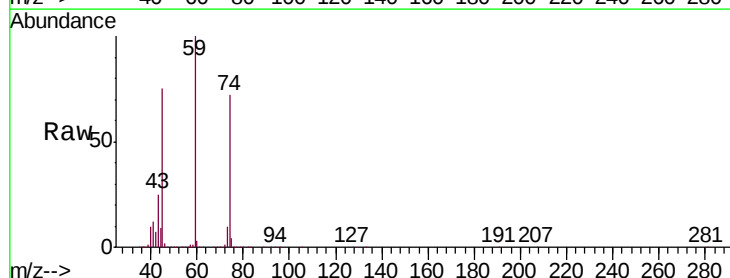
Tgt Ion:101 Resp: 388020
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.5 75.7

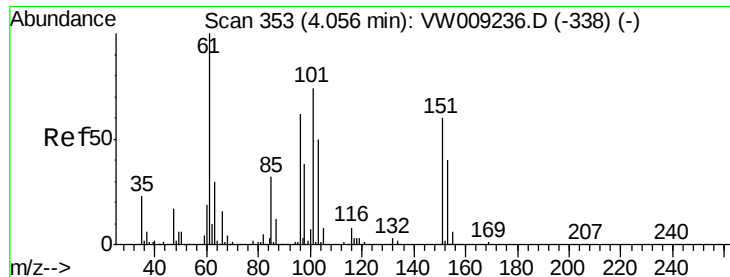


#8

Diethyl Ether
 Concen: 140.434 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion: 74 Resp: 235461
 Ion Ratio Lower Upper
 74 100
 45 101.5 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 134.786 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

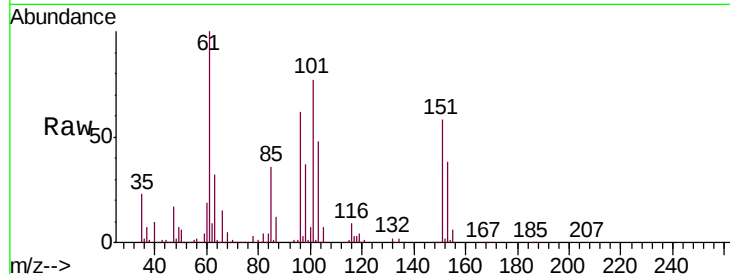
Tgt Ion:101 Resp: 453927

Ion Ratio Lower Upper

101 100

85 46.9 35.1 52.7

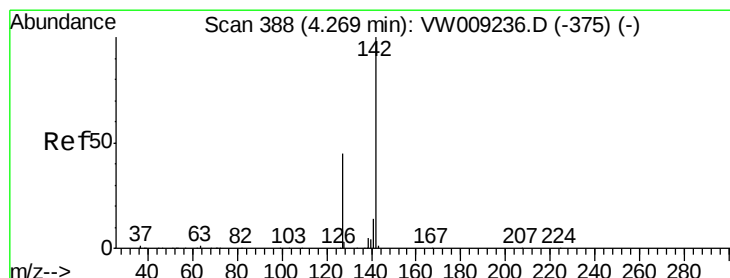
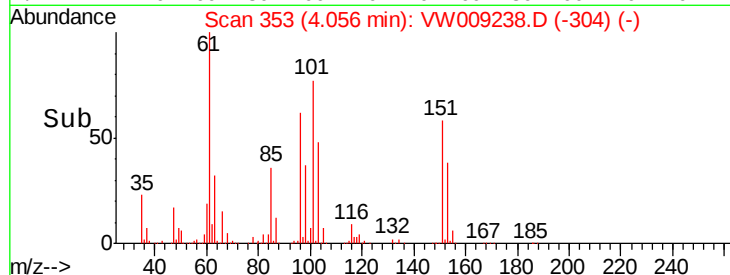
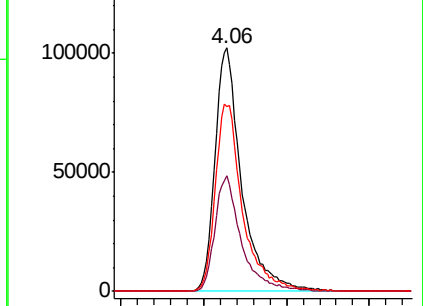
151 78.6 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 138.238 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

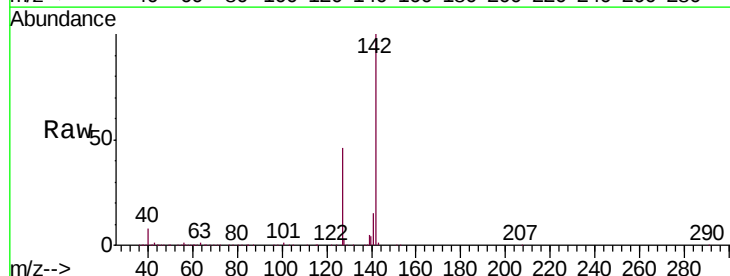
Tgt Ion:142 Resp: 671118

Ion Ratio Lower Upper

142 100

127 46.3 35.9 53.9

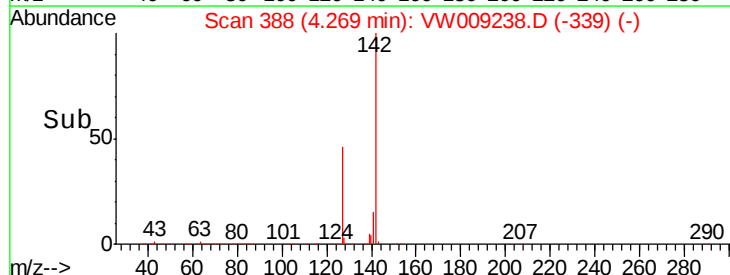
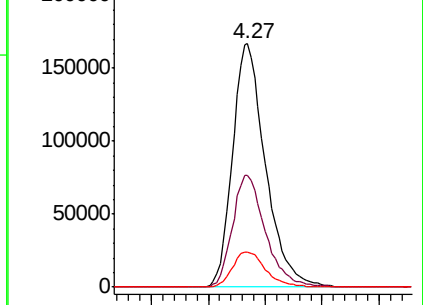
141 14.8 11.4 17.2

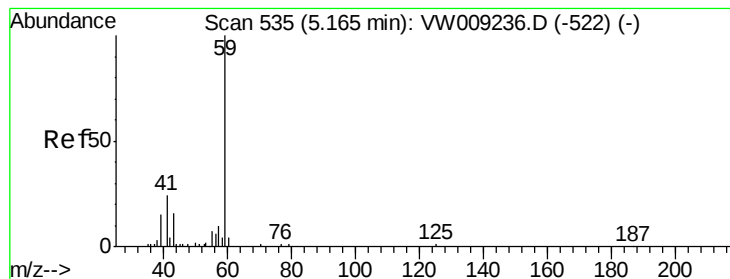


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



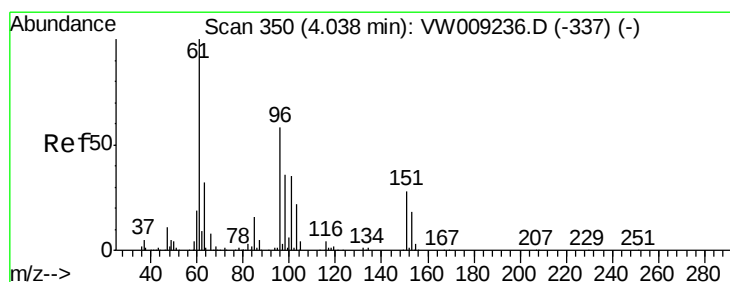
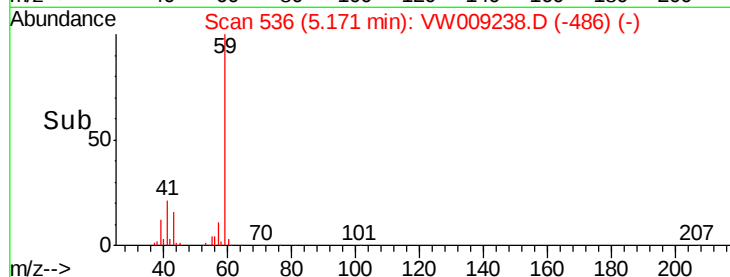
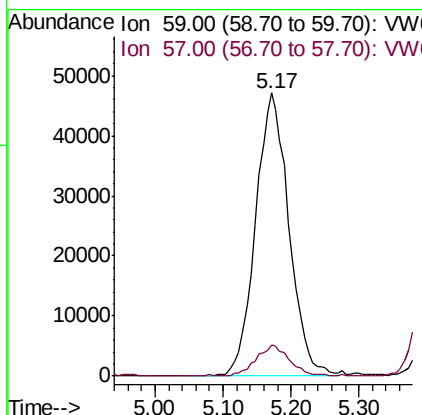
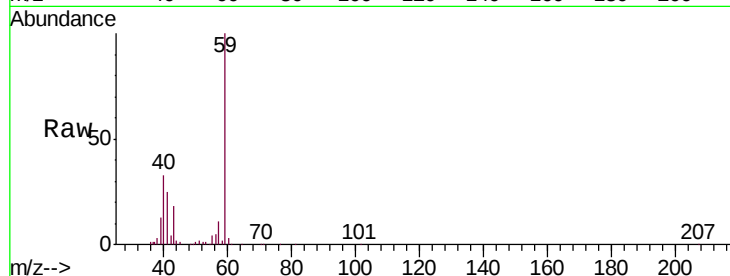


#11

Tert butyl alcohol
 Concen: 782.755 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

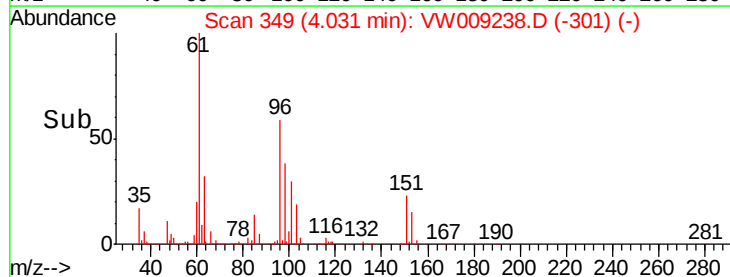
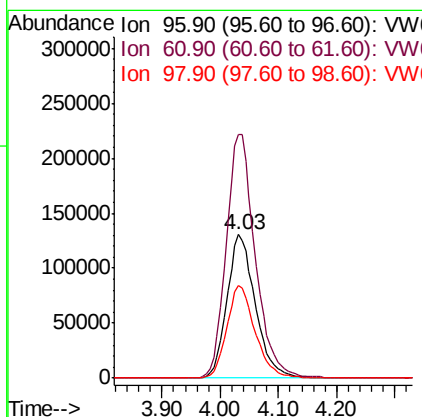
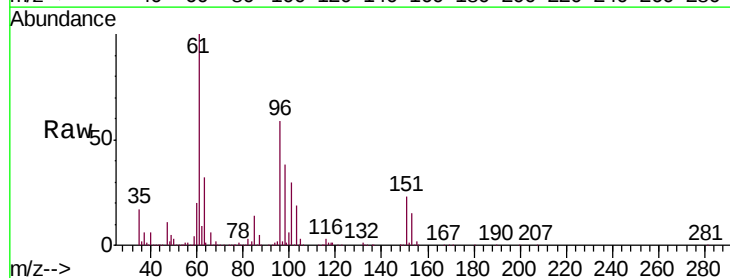
Tgt Ion: 59 Resp: 161155
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.4 14.0

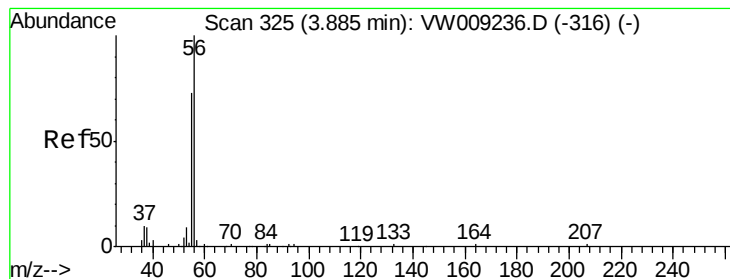


#12

1,1-Dichloroethene
 Concen: 138.940 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion: 96 Resp: 442311
 Ion Ratio Lower Upper
 96 100
 61 169.6 138.0 207.0
 98 64.6 49.8 74.8





#13

Acrolein

Concen: 719.088 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

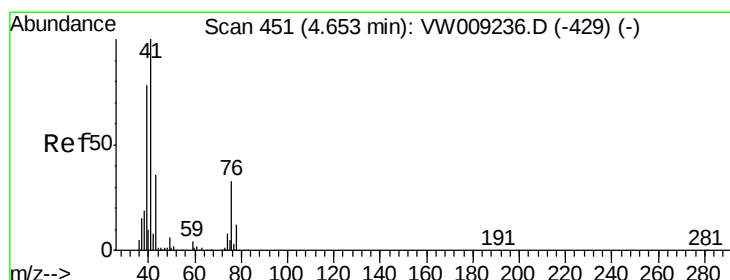
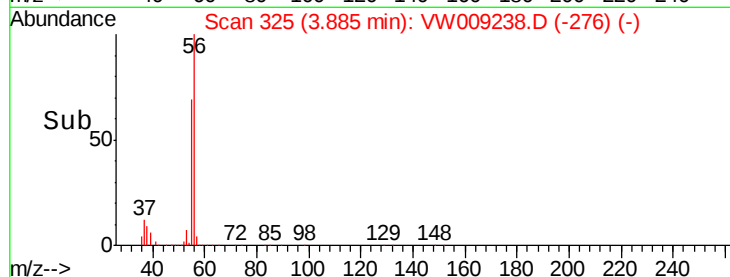
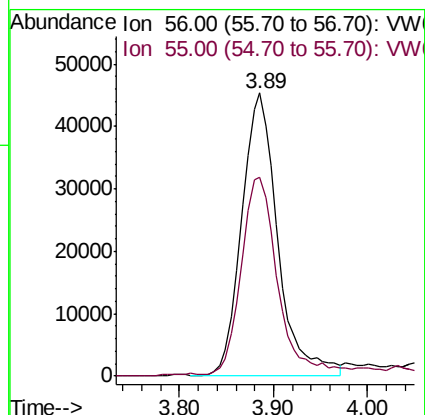
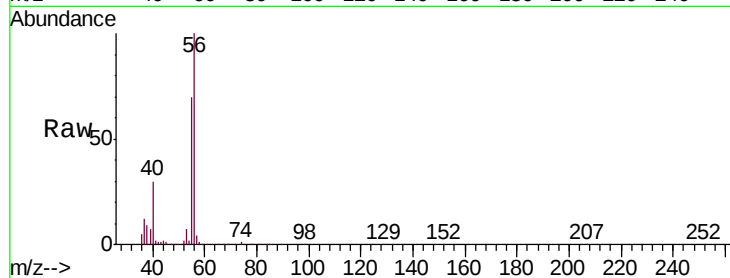
VSTDIC150

Tgt Ion: 56 Resp: 120902

Ion Ratio Lower Upper

56 100

55 70.4 55.2 82.8



#14

Allyl chloride

Concen: 149.979 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

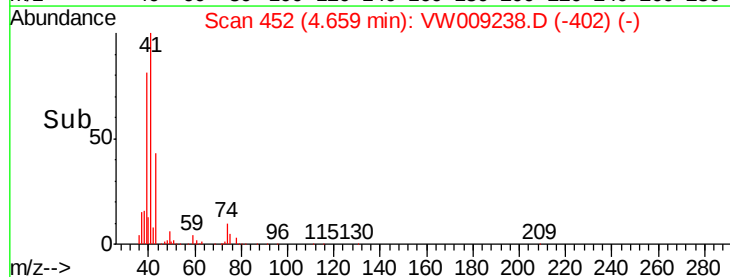
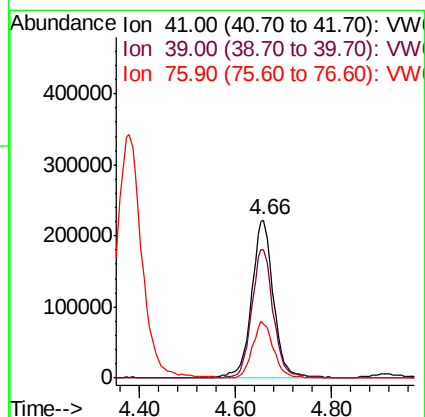
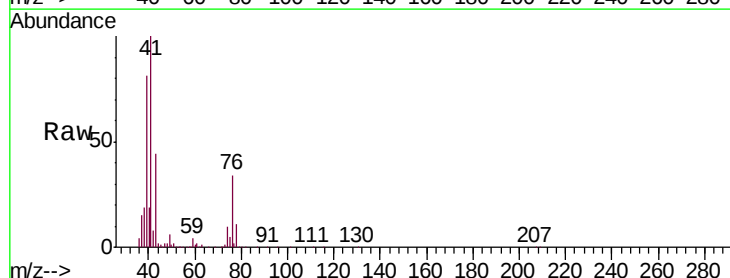
Tgt Ion: 41 Resp: 703872

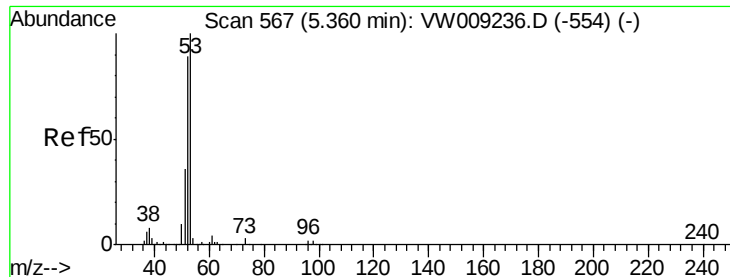
Ion Ratio Lower Upper

41 100

39 80.5 63.8 95.6

76 33.8 27.8 41.6





#15

Acrylonitrile

Concen: 770.082 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

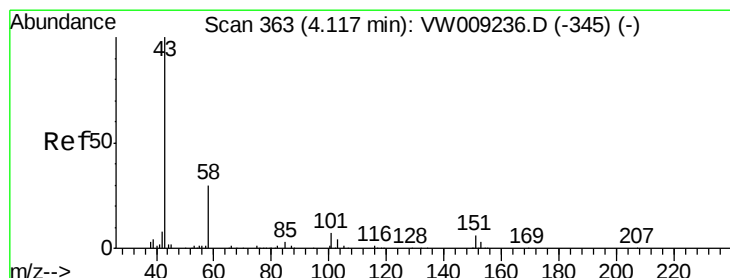
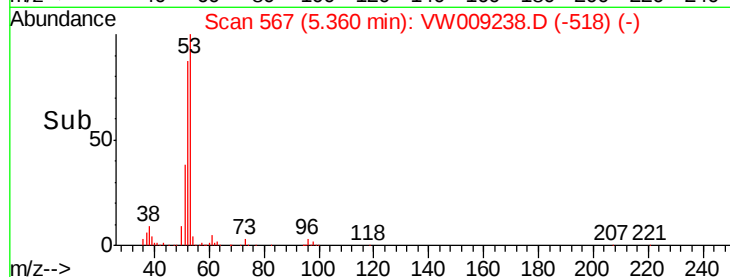
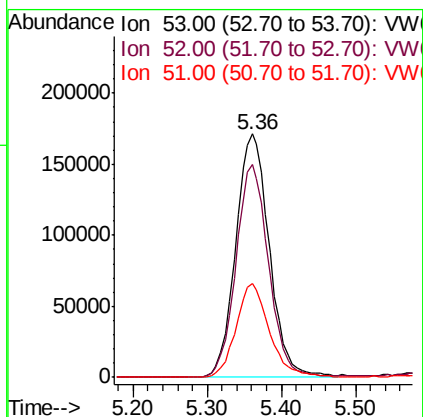
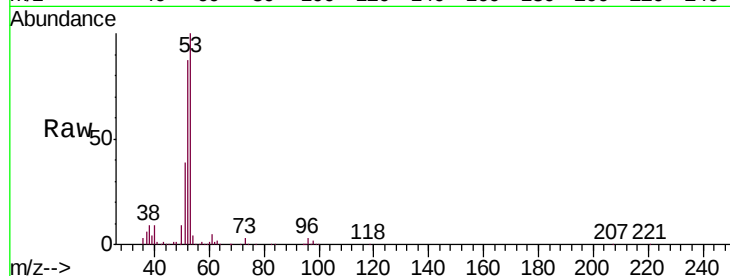
Tgt Ion: 53 Resp: 542628

Ion Ratio Lower Upper

53 100

52 85.1 67.6 101.4

51 38.3 30.6 45.8



#16

Acetone

Concen: 718.859 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009238.D

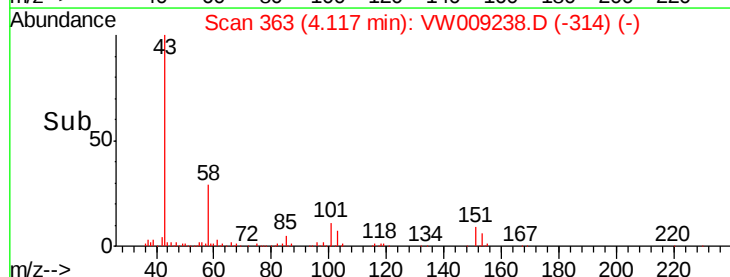
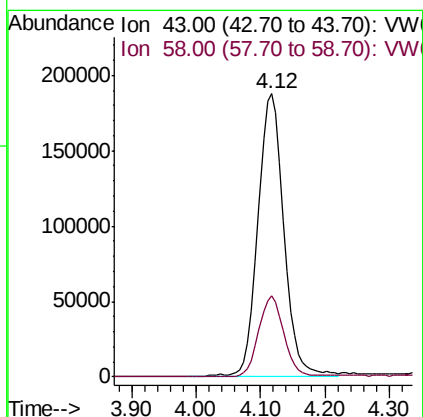
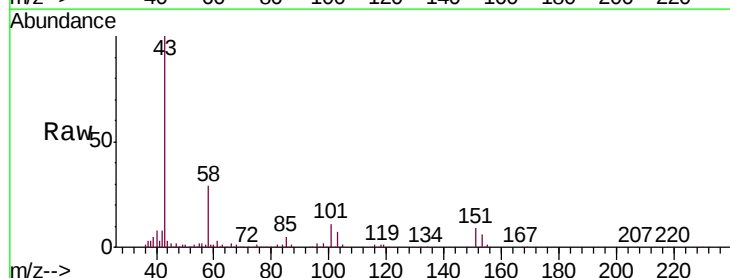
Acq: 19 Mar 2019 13:13

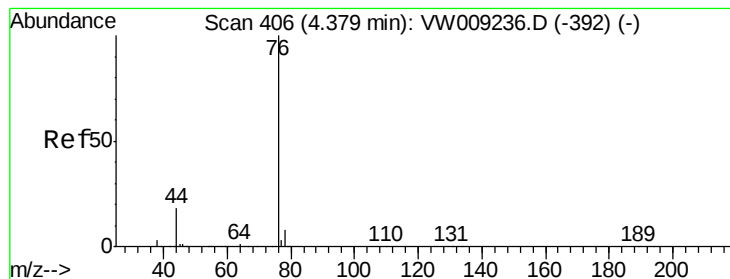
Tgt Ion: 43 Resp: 523287

Ion Ratio Lower Upper

43 100

58 28.7 23.6 35.4





#17

Carbon Disulfide

Concen: 137.413 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

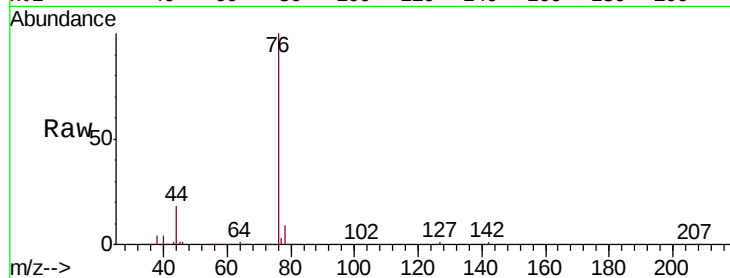
VSTDIC150

Tgt Ion: 76 Resp: 1219516

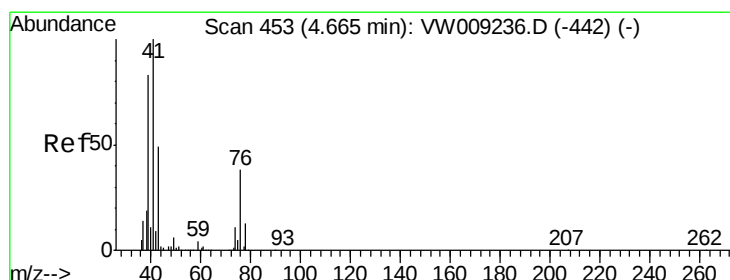
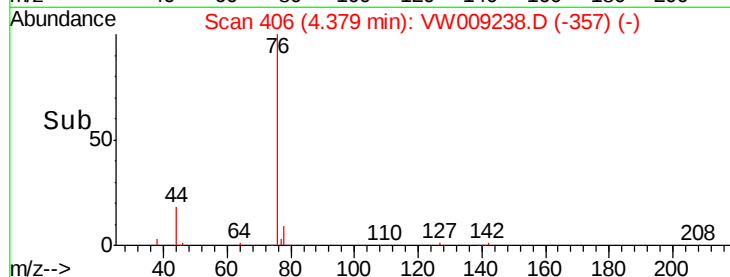
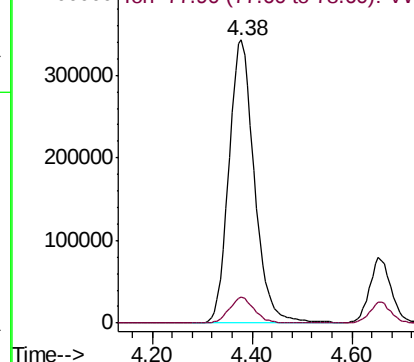
Ion Ratio Lower Upper

76 100

78 9.2 6.6 9.8



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 154.288 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009238.D

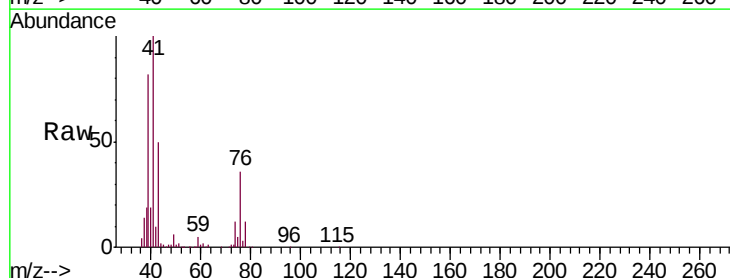
Acq: 19 Mar 2019 13:13

Tgt Ion: 43 Resp: 288244

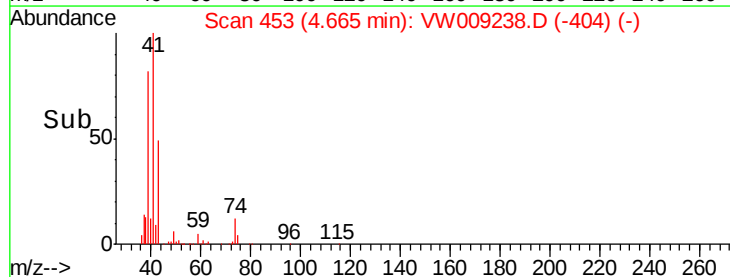
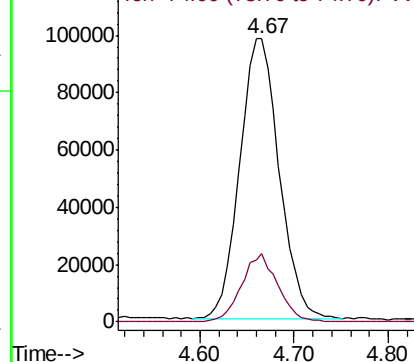
Ion Ratio Lower Upper

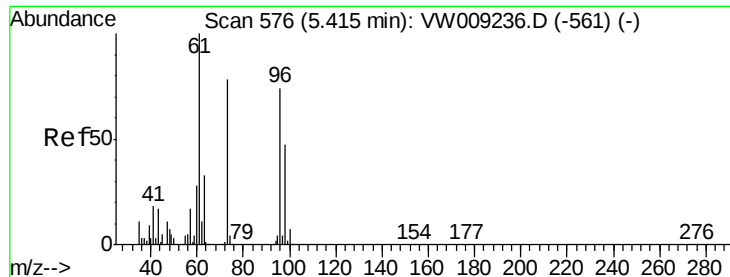
43 100

74 22.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

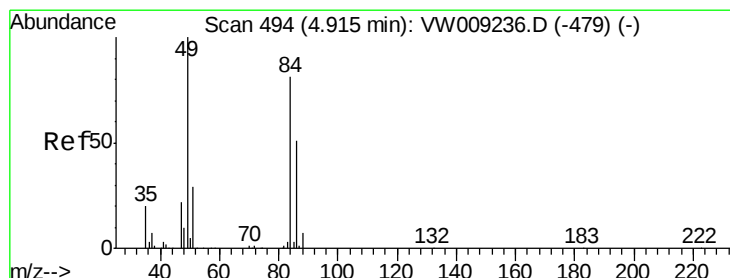
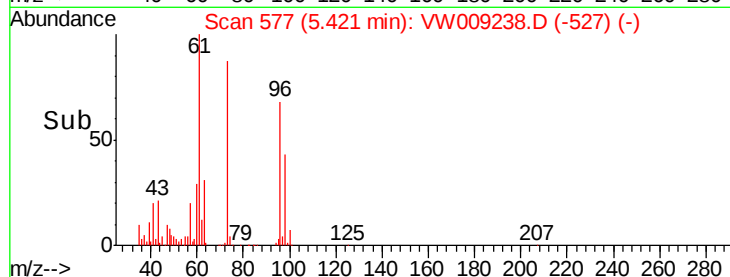
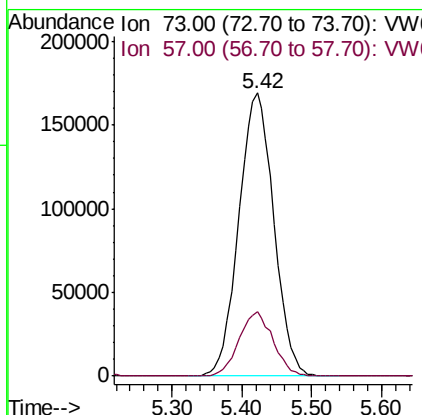
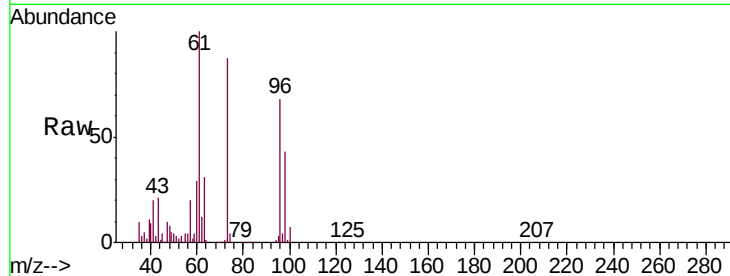




#19
Methyl tert-butyl Ether
Concen: 150.112 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

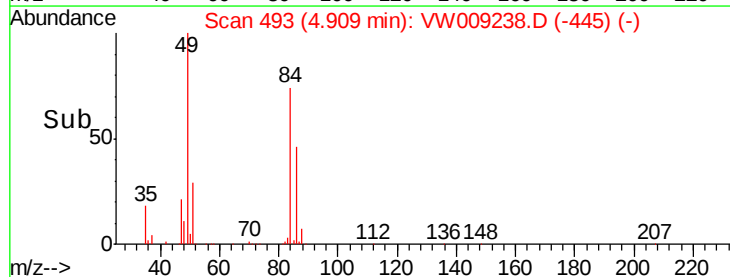
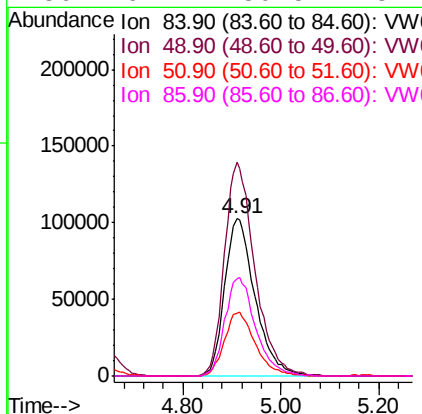
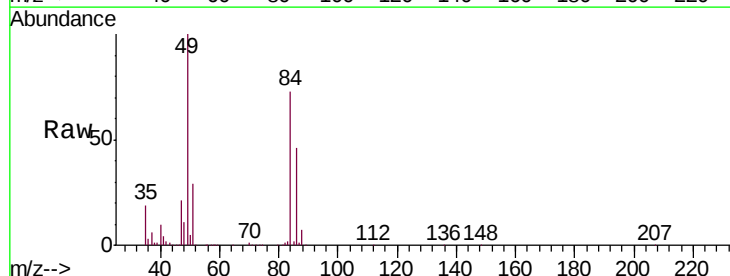
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

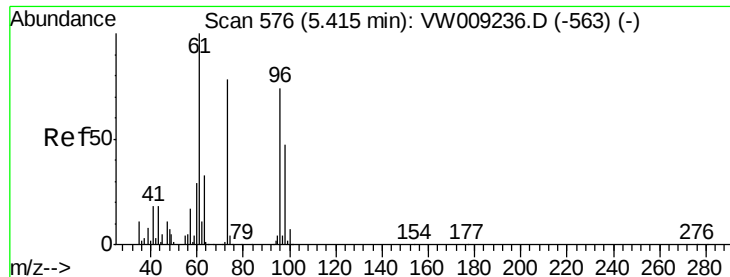
Tgt Ion: 73 Resp: 586503
Ion Ratio Lower Upper
73 100
57 23.0 17.0 25.6



#20
Methylene Chloride
Concen: 130.363 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion: 84 Resp: 443093
Ion Ratio Lower Upper
84 100
49 136.1 99.1 148.7
51 40.0 28.7 43.1
86 62.2 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 143.805 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

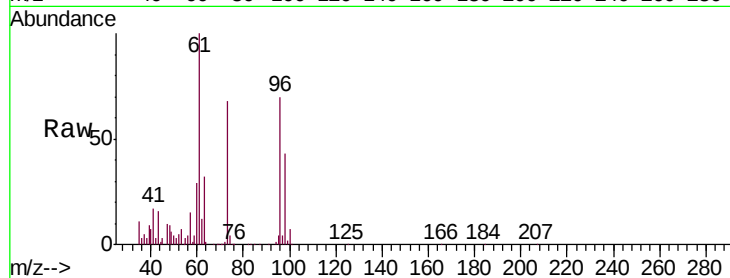
Tgt Ion: 96 Resp: 470997

Ion Ratio Lower Upper

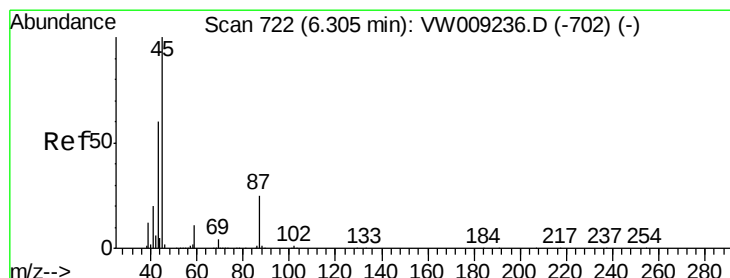
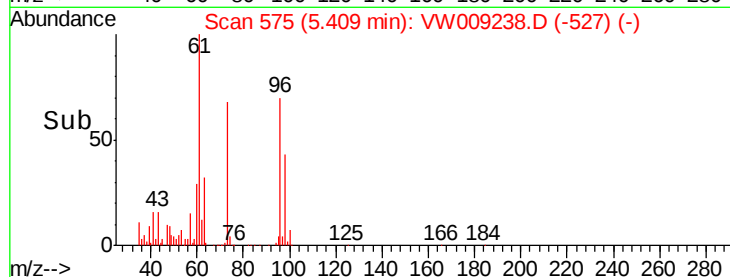
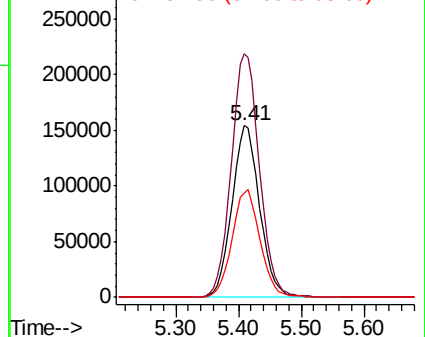
96 100

61 141.9 108.2 162.4

98 60.9 50.9 76.3



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: 155.142 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Tgt Ion: 45 Resp: 1569672

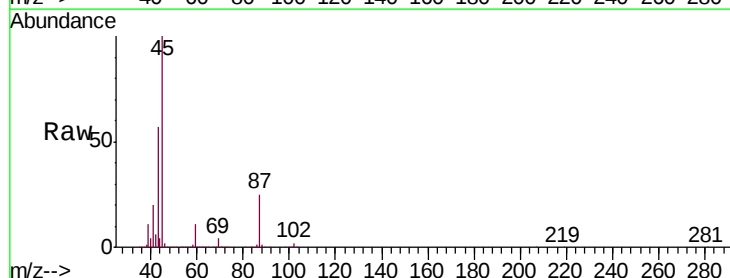
Ion Ratio Lower Upper

45 100

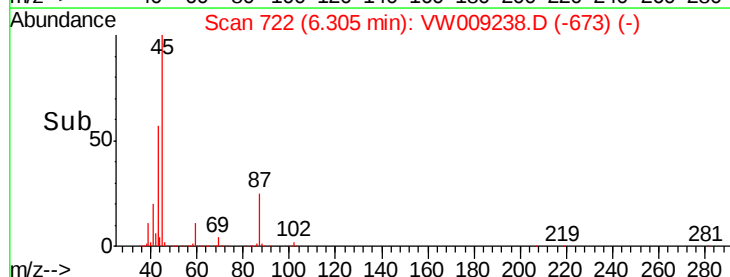
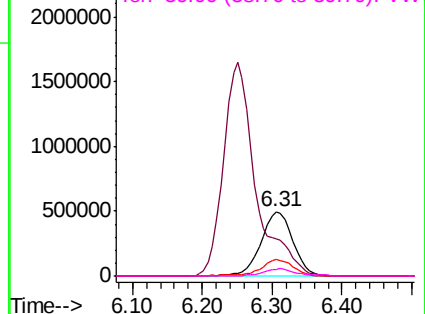
43 57.1 47.9 71.9

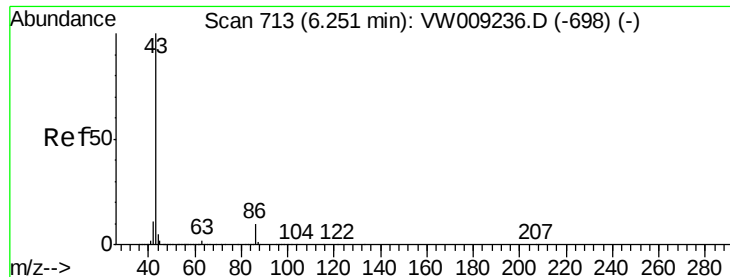
87 24.9 20.6 30.8

59 10.6 9.0 13.4



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: 833.114 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

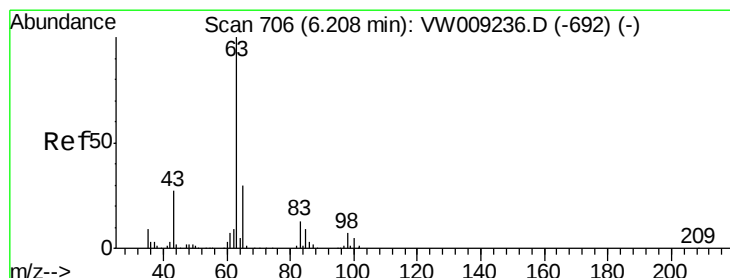
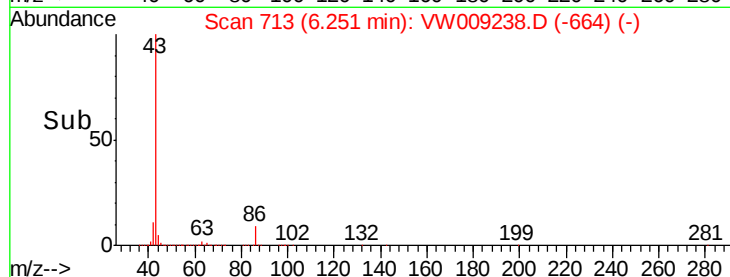
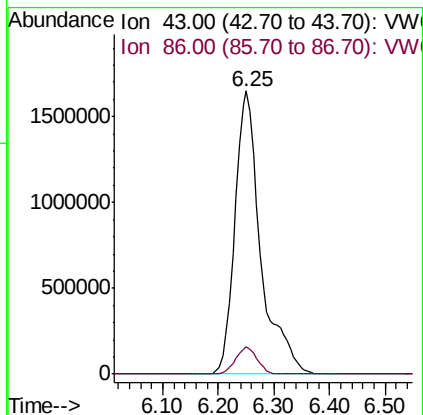
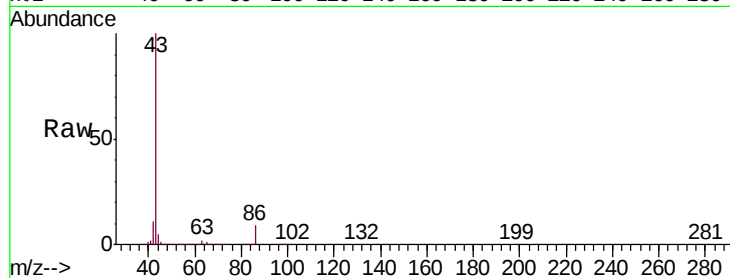
VSTDIC150

Tgt Ion: 43 Resp: 5288777

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



#24

1,1-Dichloroethane

Concen: 143.500 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

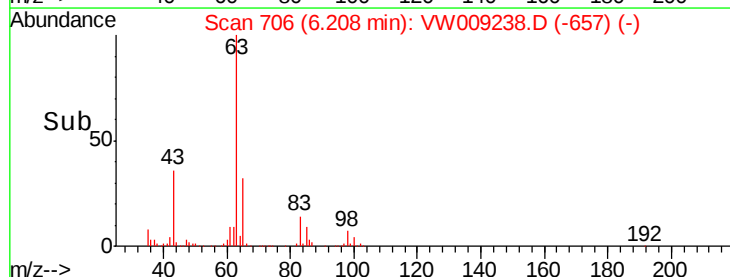
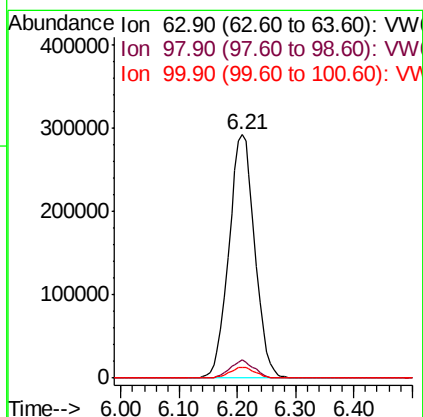
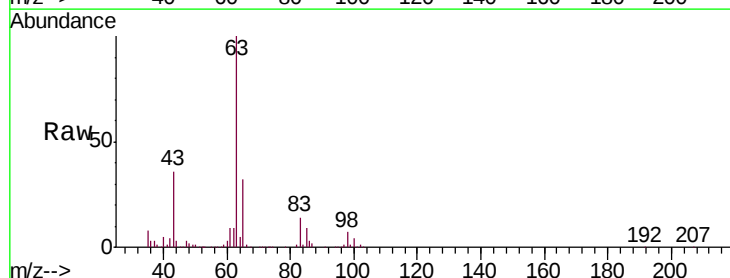
Tgt Ion: 63 Resp: 896038

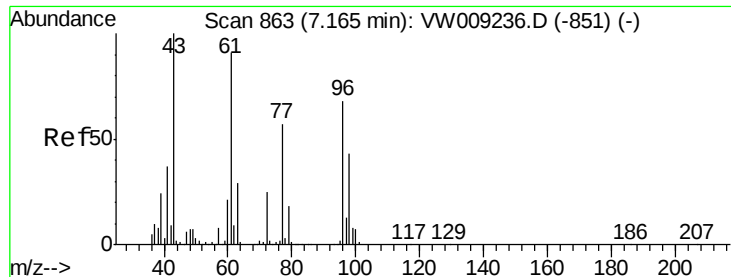
Ion Ratio Lower Upper

63 100

98 7.3 3.7 11.1

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 802.323 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

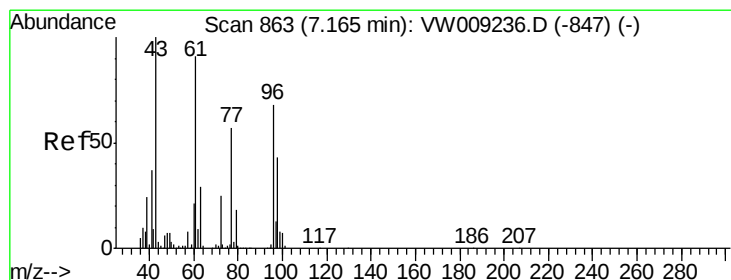
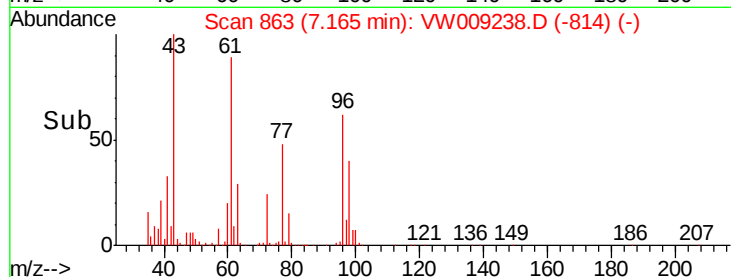
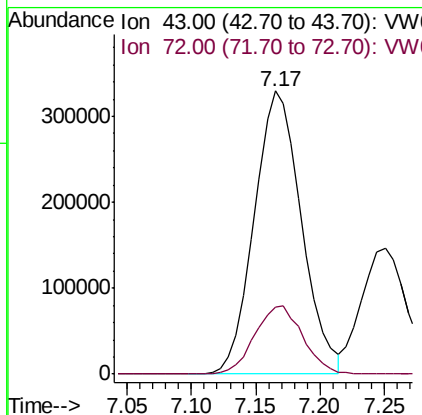
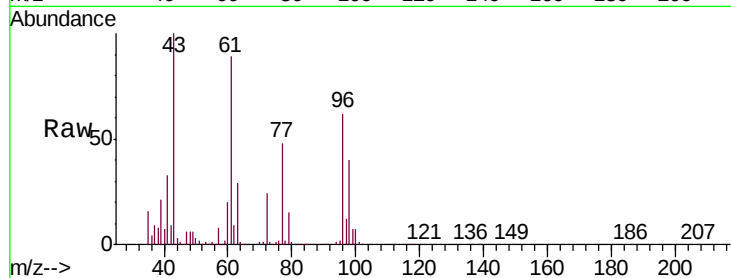
VSTDIC150

Tgt Ion: 43 Resp: 836869

Ion Ratio Lower Upper

43 100

72 23.6 20.0 30.0



#26

2,2-Dichloropropane

Concen: 137.730 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW009238.D

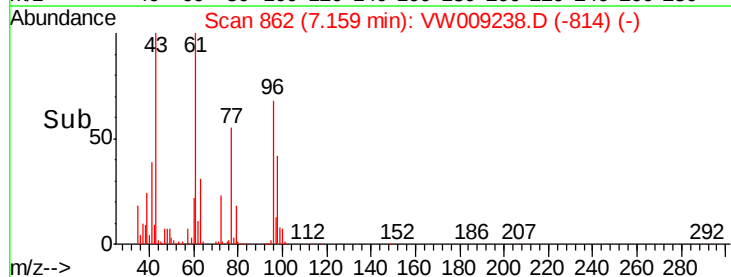
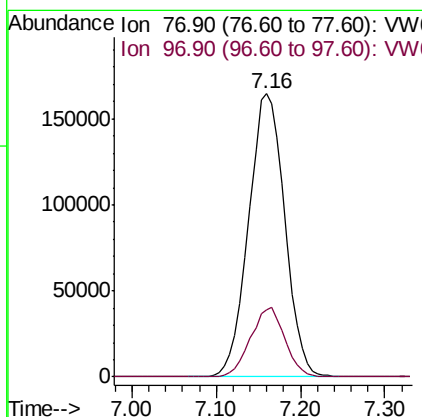
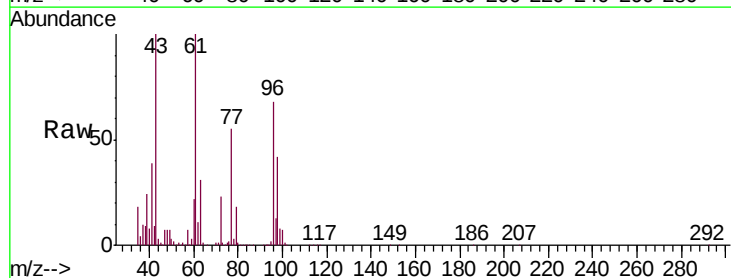
Acq: 19 Mar 2019 13:13

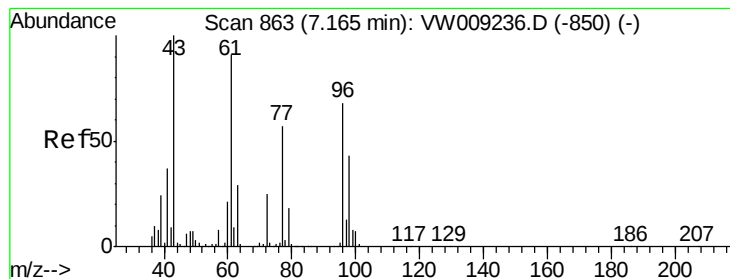
Tgt Ion: 77 Resp: 480523

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7



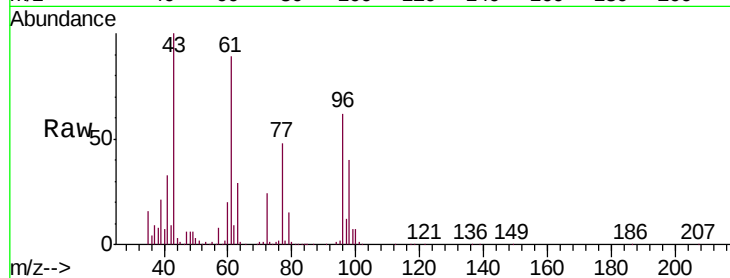


#27

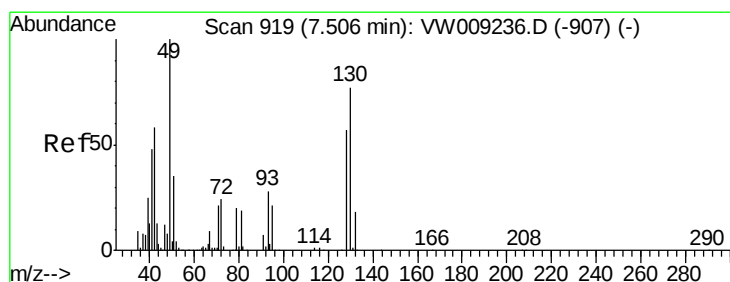
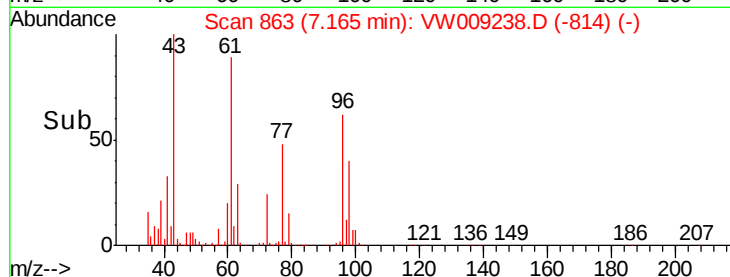
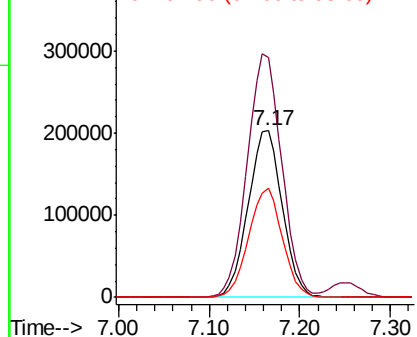
cis-1,2-Dichloroethene
Concen: 149.194 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Resp	Lower	Upper
96	529383		
Ion Ratio			
96	100		
61	147.3	0.0	289.8
98	64.5	0.0	130.8



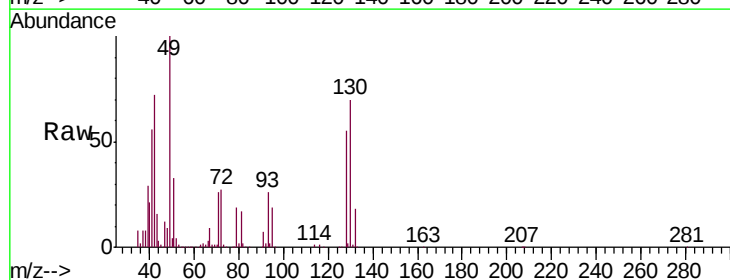
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



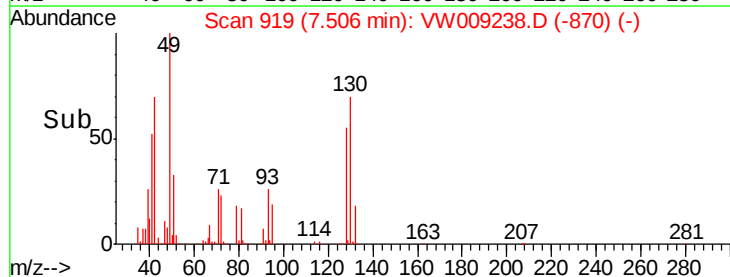
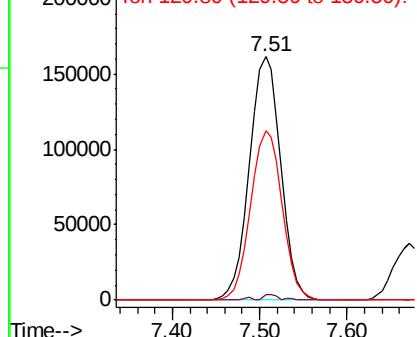
#28

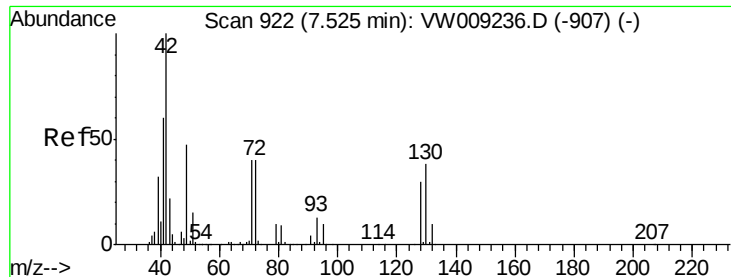
Bromochloromethane
Concen: 147.140 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion	Resp	Lower	Upper
49	402992		
Ion Ratio			
49	100		
129	1.1	0.0	1.4
130	70.2	58.6	88.0



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

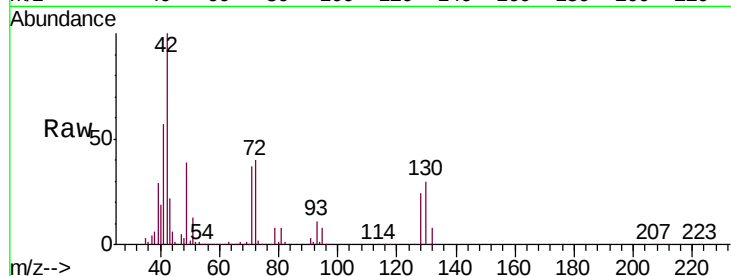




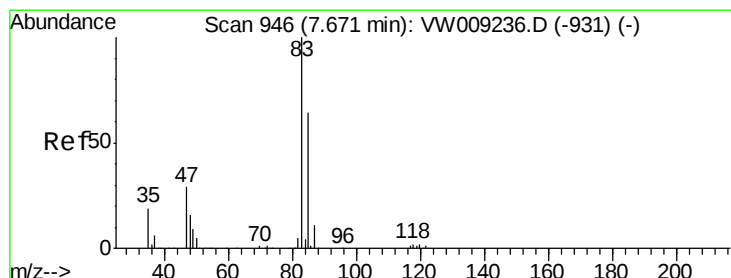
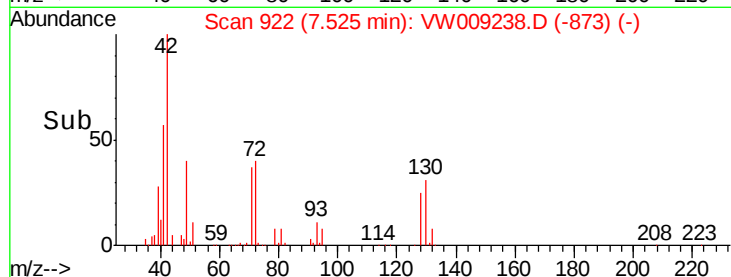
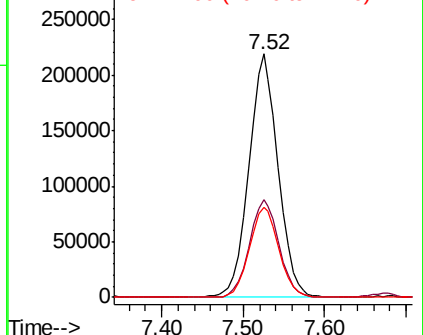
#29
Tetrahydrofuran
Concen: 822.211 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 545119
Ion Ratio Lower Upper
42 100
72 40.4 32.4 48.6
71 37.5 30.1 45.1

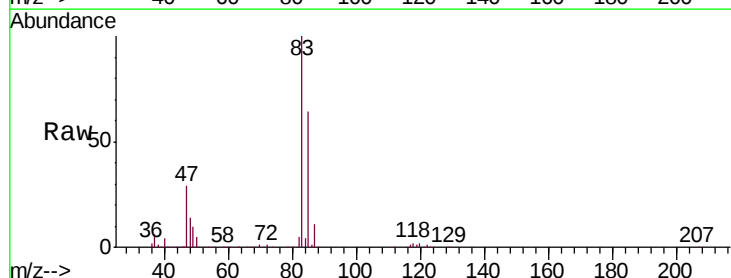


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

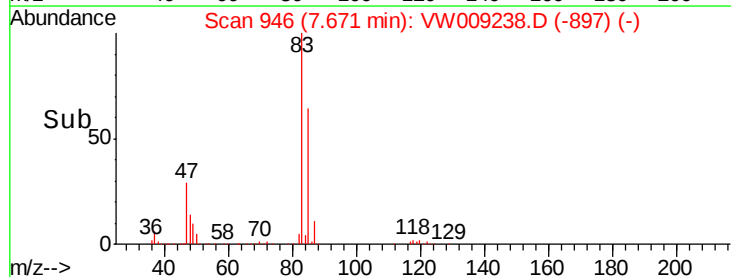
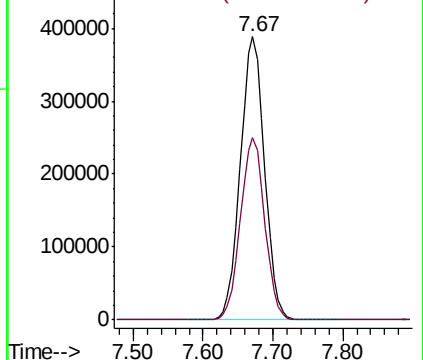


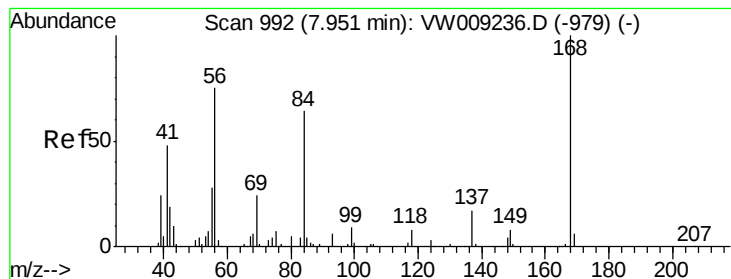
#30
Chloroform
Concen: 143.090 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion: 83 Resp: 929640
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 136.885 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

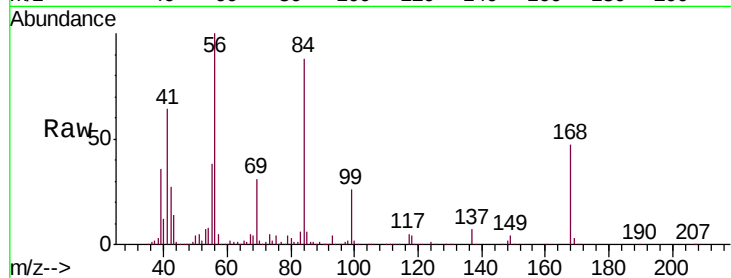
Tgt Ion: 56 Resp: 796860

Ion Ratio Lower Upper

56 100

69 30.7 26.1 39.1

84 86.7 68.6 103.0

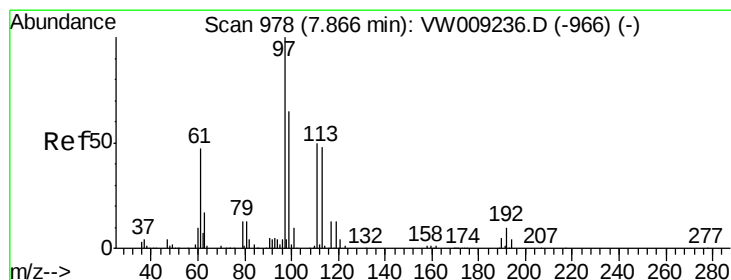
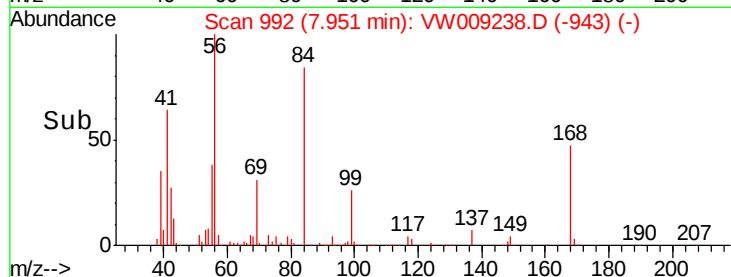
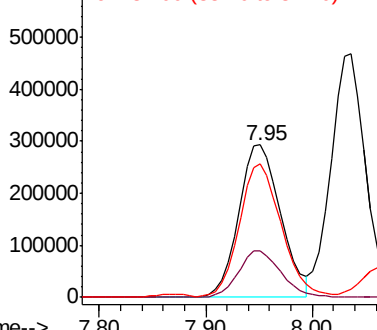


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 142.215 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

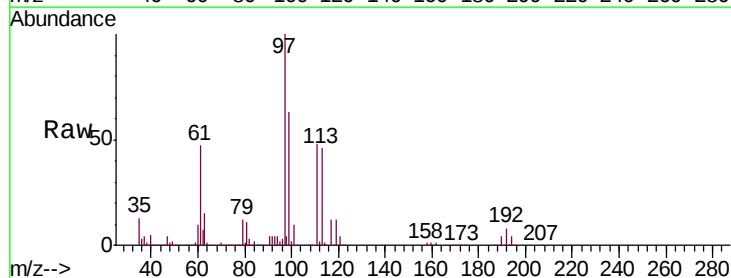
Tgt Ion: 97 Resp: 737514

Ion Ratio Lower Upper

97 100

99 62.6 51.9 77.9

61 47.1 36.8 55.2

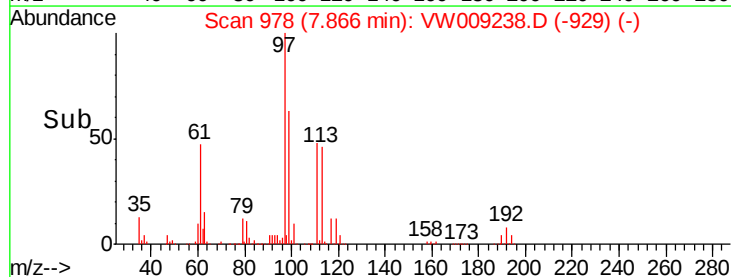
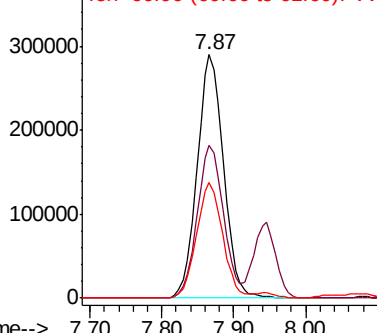


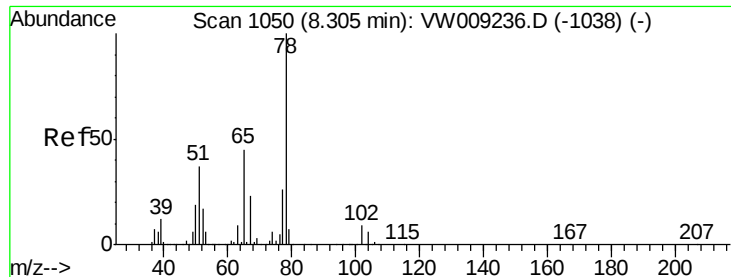
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

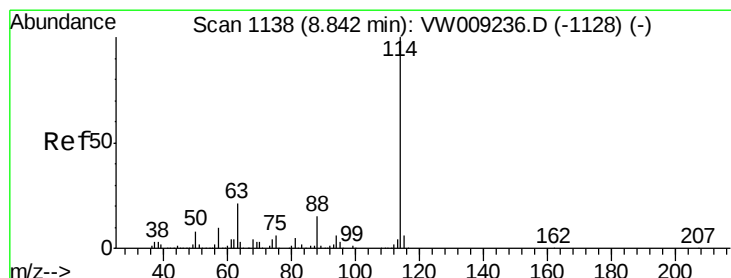
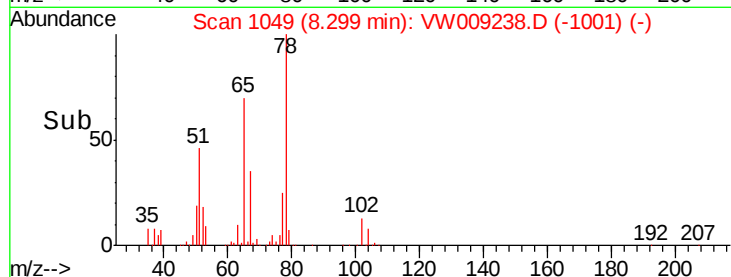
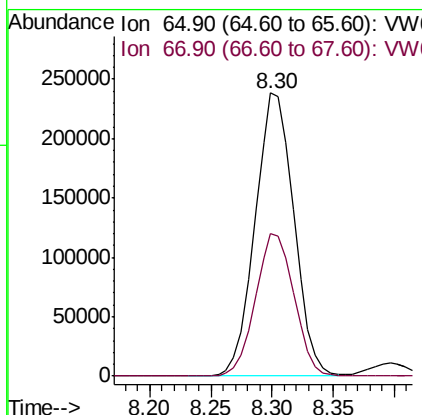
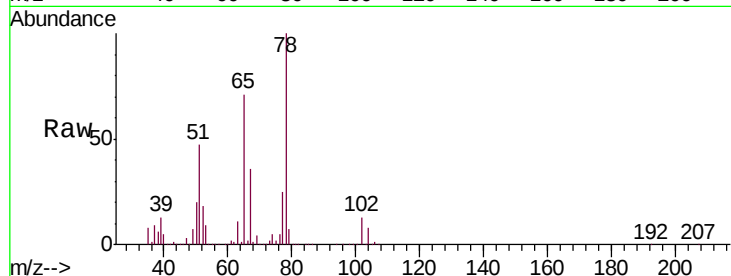




#33
 1,2-Dichloroethane-d4
 Concen: 148.472 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

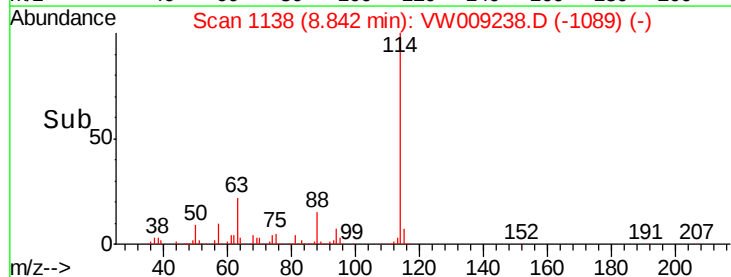
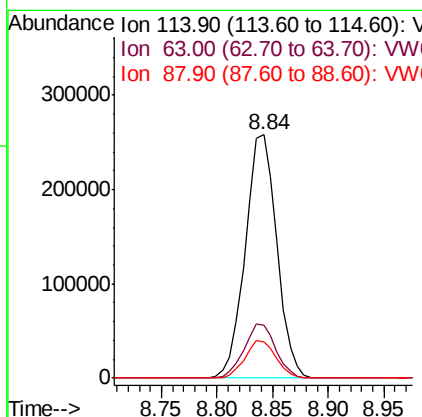
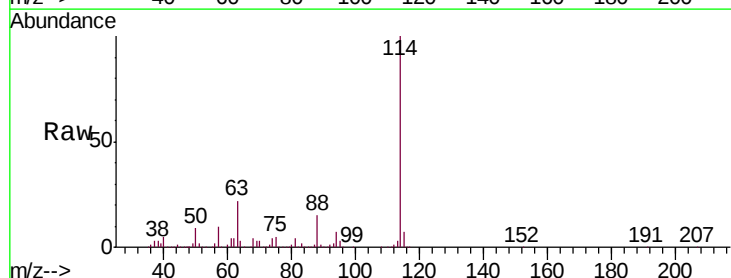
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

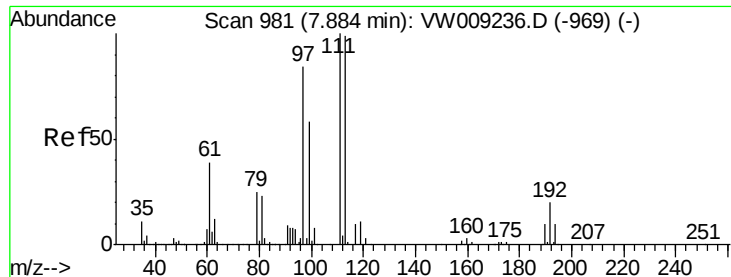
Tgt Ion: 65 Resp: 526792
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion: 114 Resp: 509804
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.2
 88 14.7 0.0 30.8

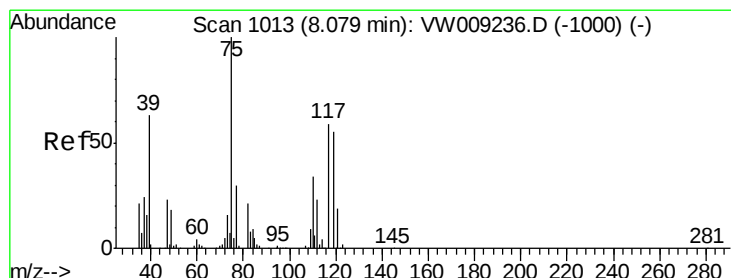
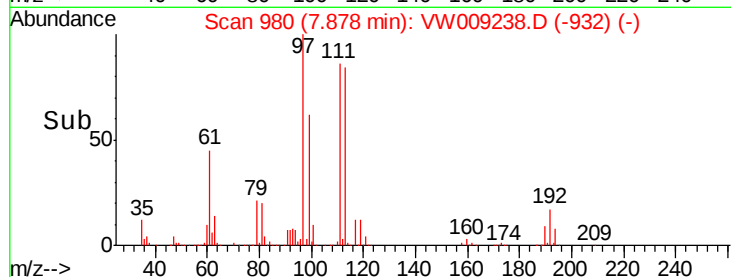
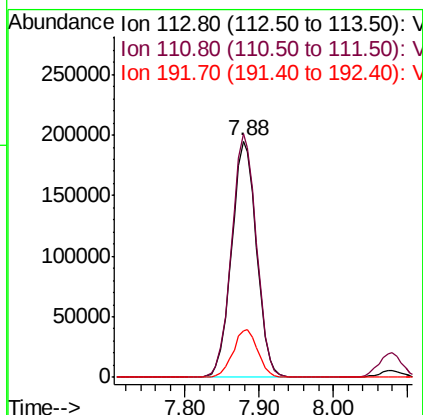
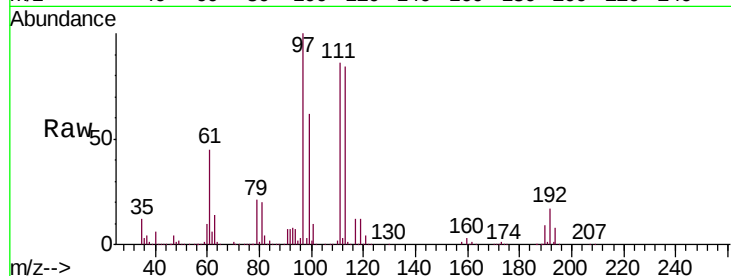




#35
 Dibromofluoromethane
 Concen: 141.067 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

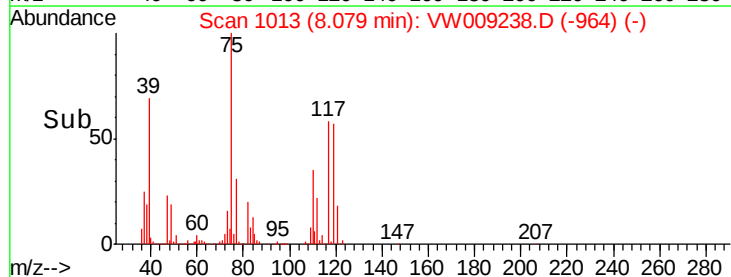
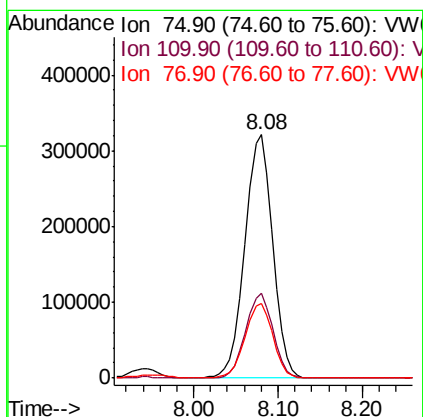
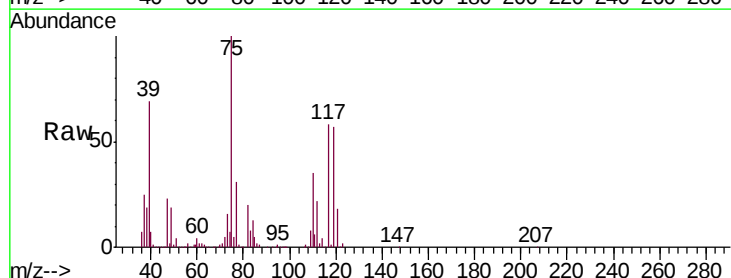
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

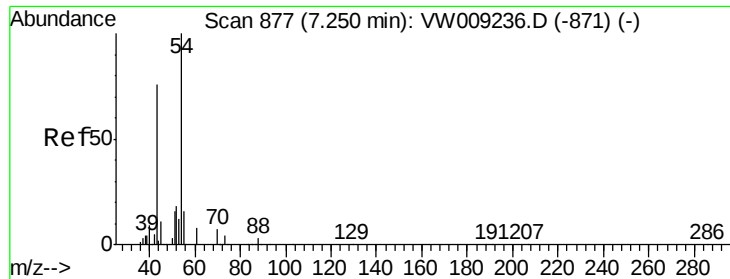
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	20.2	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 140.898 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.8	50.4
77	31.0	24.6	36.8

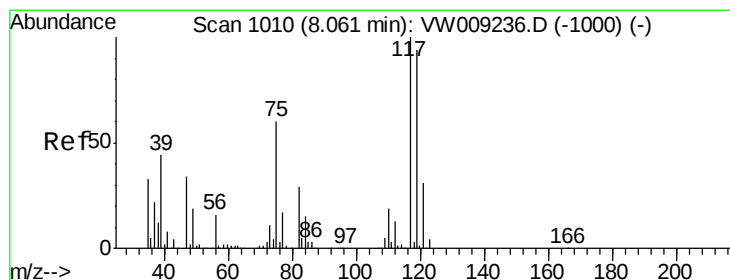
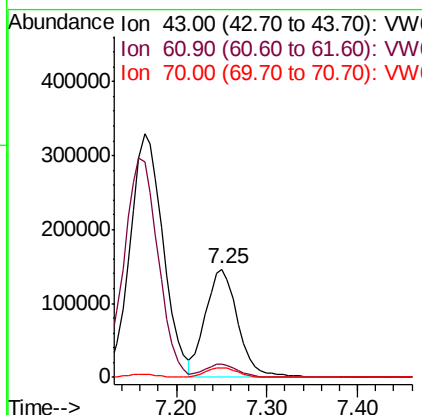
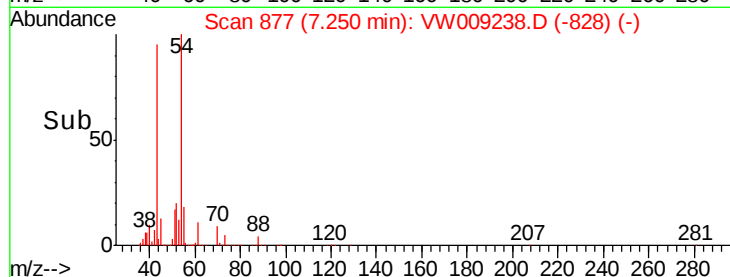
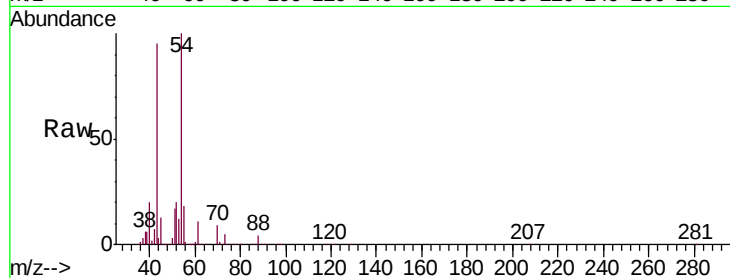




#37
Ethyl Acetate
Concen: 157.903 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

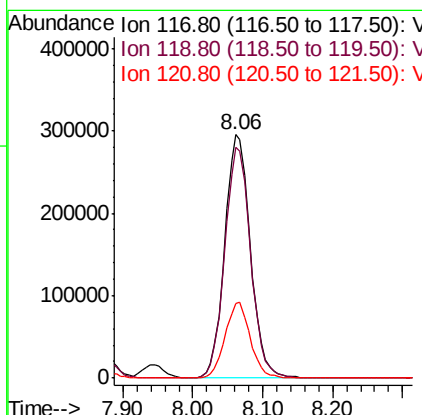
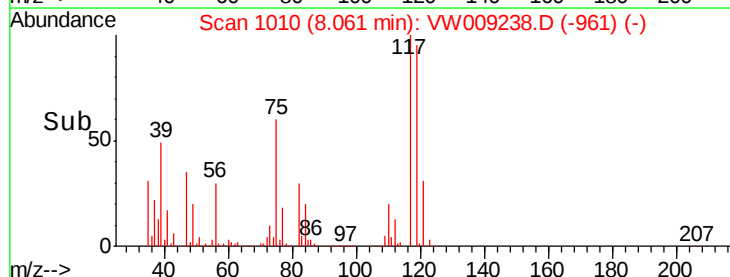
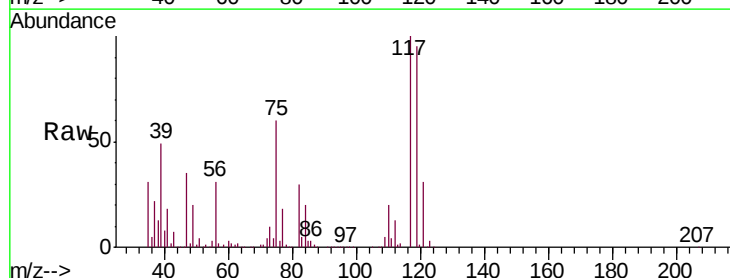
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

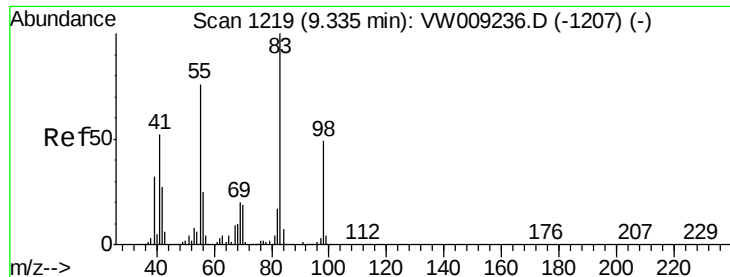
Tgt Ion: 43 Resp: 365532
Ion Ratio Lower Upper
43 100
61 11.9 10.0 15.0
70 8.8 7.3 10.9



#38
Carbon Tetrachloride
Concen: 140.303 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion: 117 Resp: 753247
Ion Ratio Lower Upper
117 100
119 94.6 75.4 113.0
121 30.8 24.9 37.3

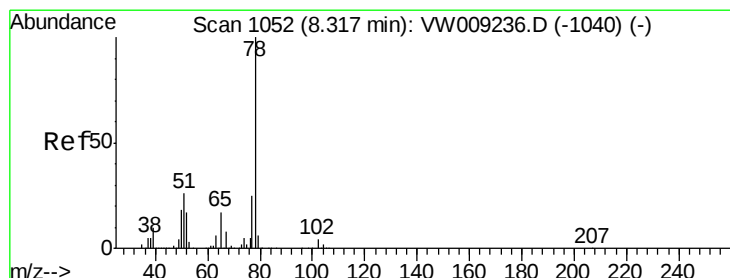
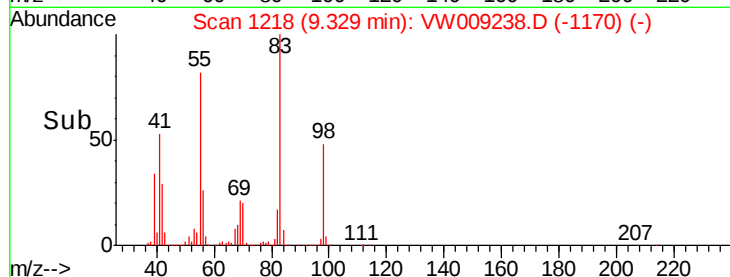
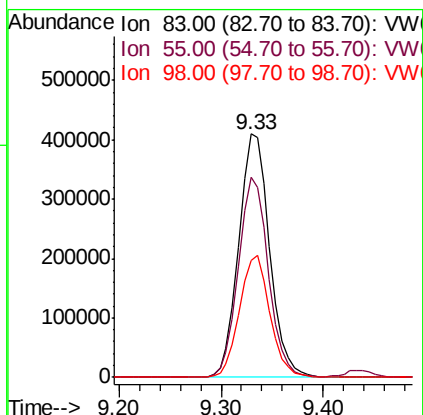
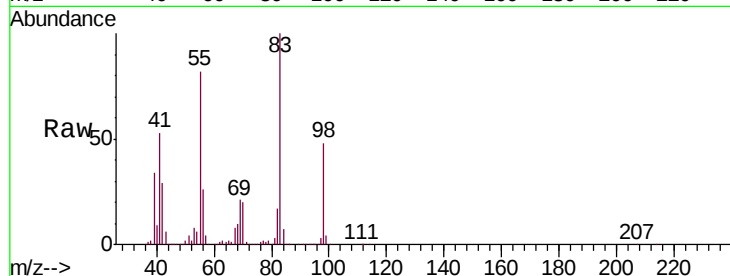




#39
Methylcyclohexane
Concen: 146.578 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

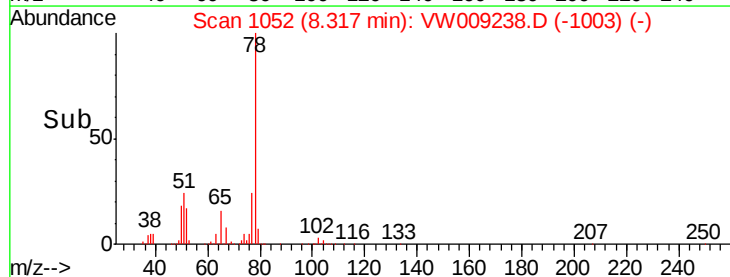
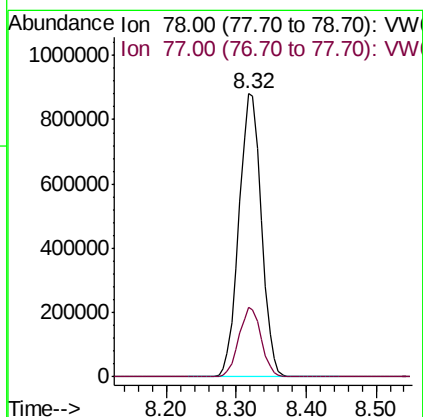
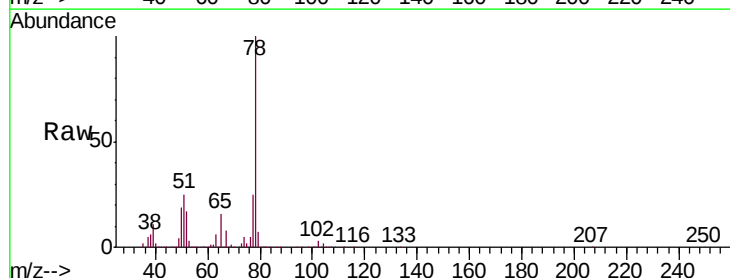
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

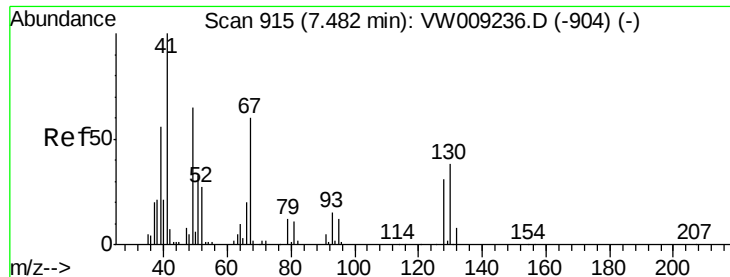
Tgt Ion: 83 Resp: 860316
Ion Ratio Lower Upper
83 100
55 82.0 61.1 91.7
98 47.9 39.0 58.4



#40
Benzene
Concen: 142.822 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion: 78 Resp: 1964790
Ion Ratio Lower Upper
78 100
77 24.5 19.8 29.6

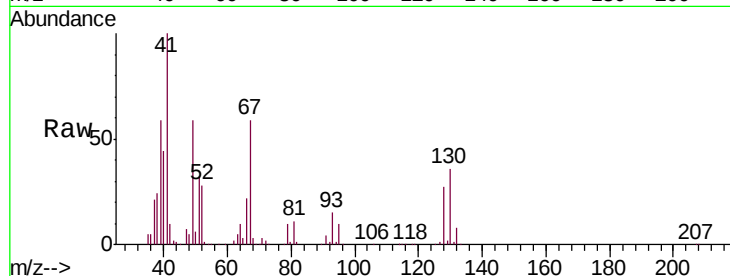




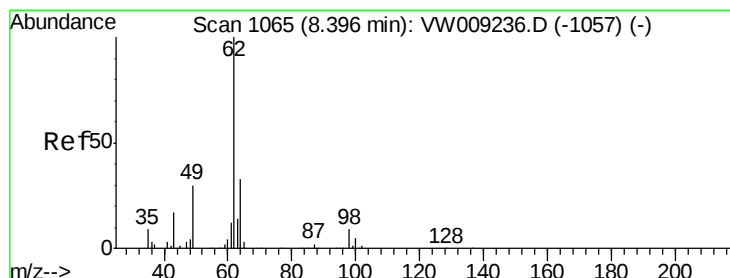
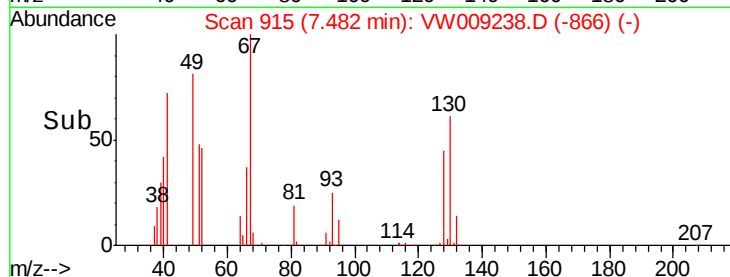
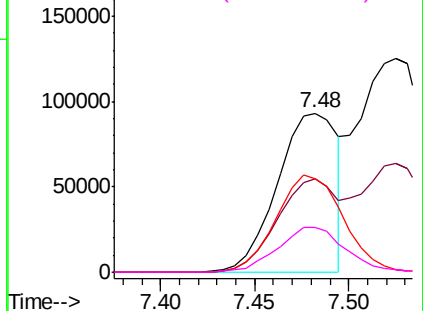
#41
Methacrylonitrile
Concen: 165.390 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:	41	Resp:	206350
Ion	Ratio	Lower	Upper
41	100		
39	57.4	52.5	78.7
67	68.7	56.6	84.8
52	31.5	27.2	40.8

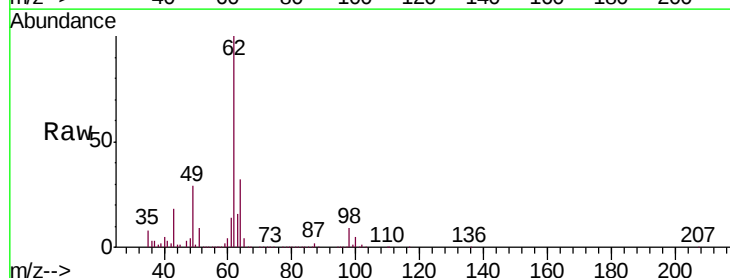


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

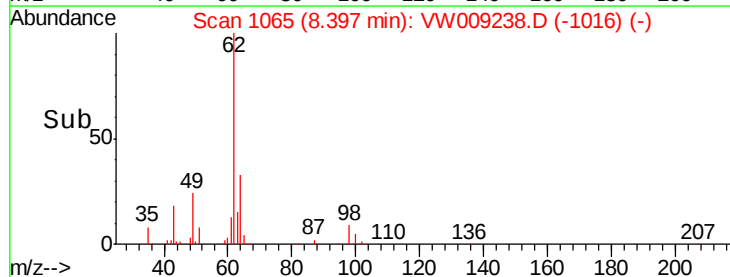
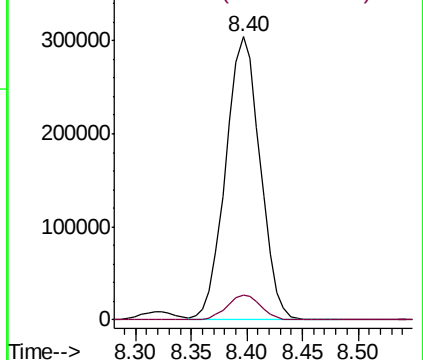


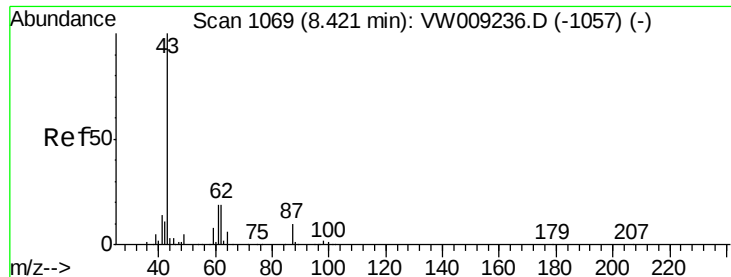
#42
1,2-Dichloroethane
Concen: 145.291 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion:	62	Resp:	653379
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 158.928 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

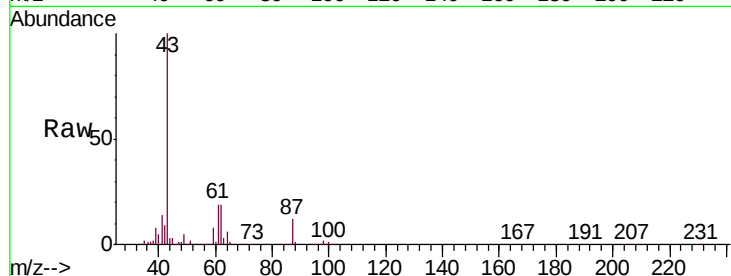
Tgt Ion: 43 Resp: 736694

Ion Ratio Lower Upper

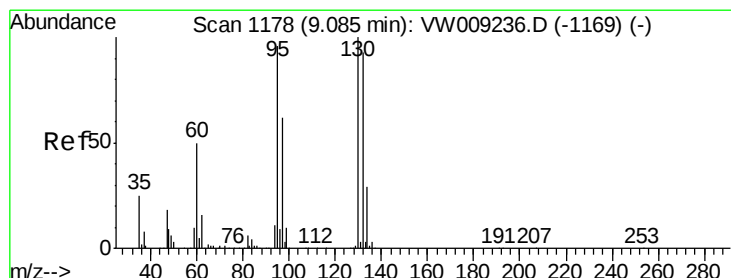
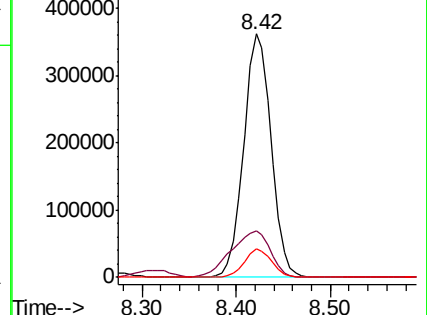
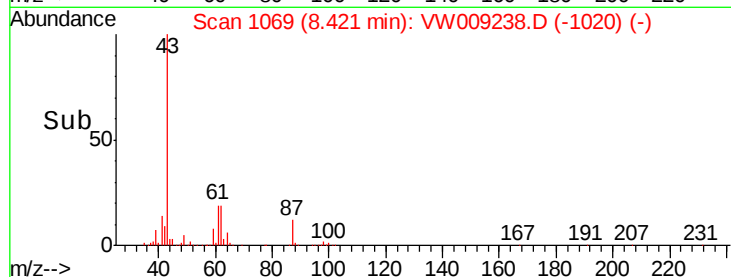
43 100

61 27.1 22.2 33.2

87 11.7 9.6 14.4



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



#44

Trichloroethene

Concen: 139.572 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009238.D

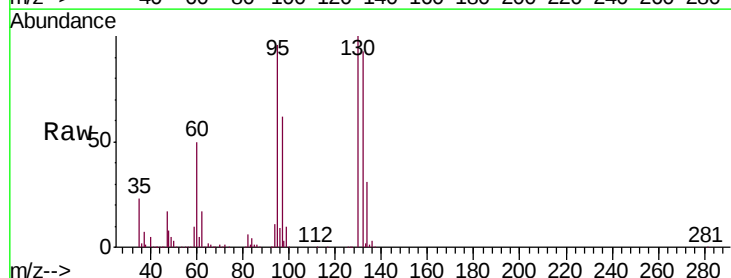
Acq: 19 Mar 2019 13:13

Tgt Ion: 130 Resp: 525999

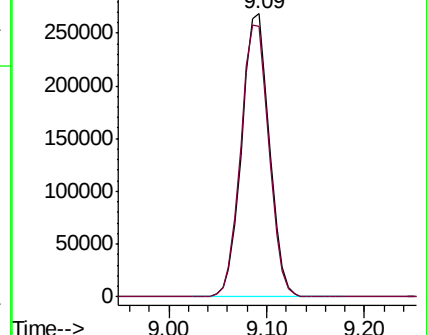
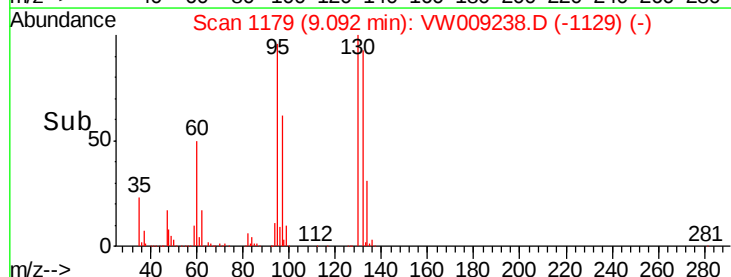
Ion Ratio Lower Upper

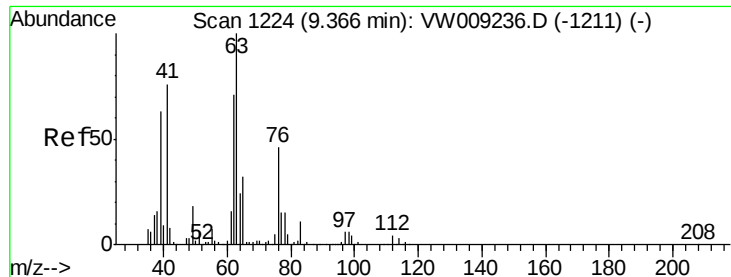
130 100

95 95.8 0.0 192.6



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





#45

1,2-Dichloropropane

Concen: 143.310 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

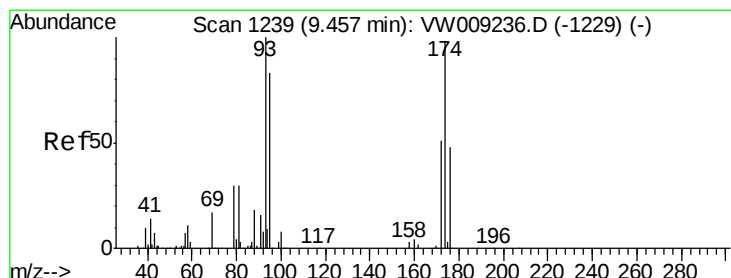
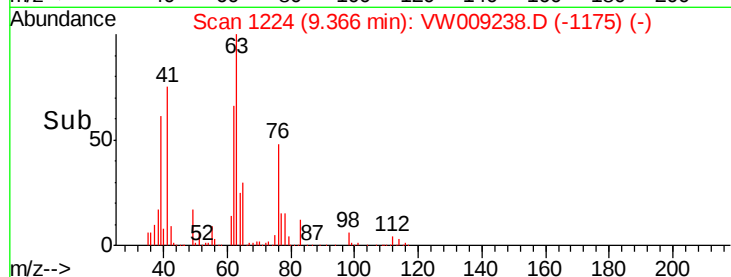
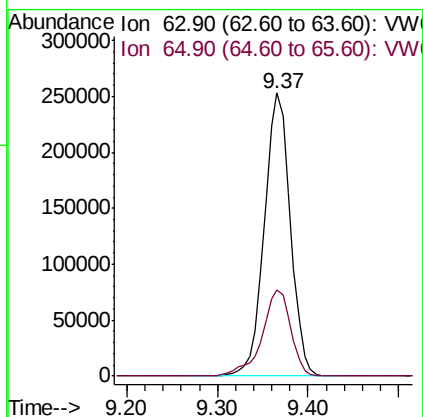
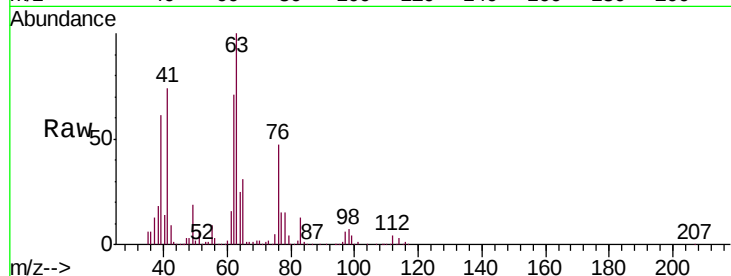
VSTDIC150

Tgt Ion: 63 Resp: 501180

Ion Ratio Lower Upper

63 100

65 30.5 25.8 38.8



#46

Dibromomethane

Concen: 145.965 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

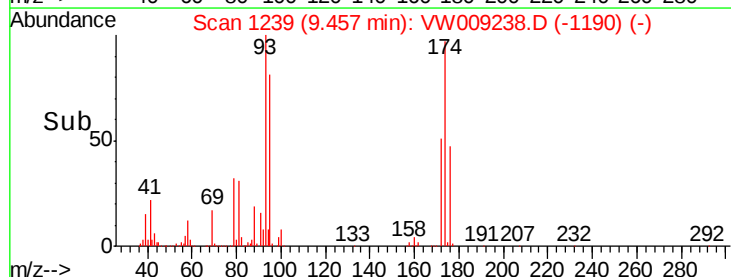
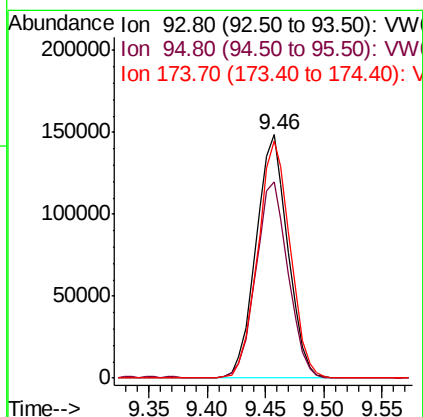
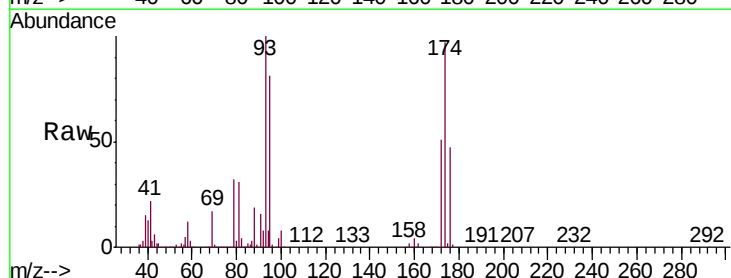
Tgt Ion: 93 Resp: 280703

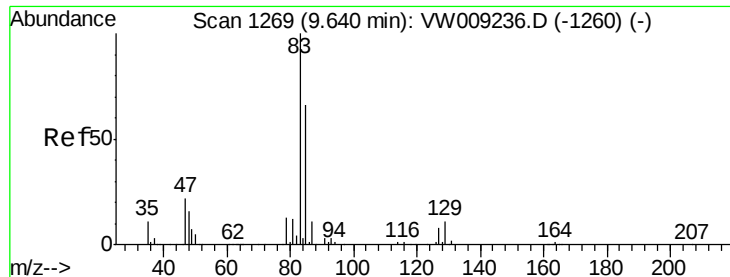
Ion Ratio Lower Upper

93 100

95 81.7 66.9 100.3

174 99.0 80.8 121.2





#47

Bromodichloromethane

Concen: 148.284 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

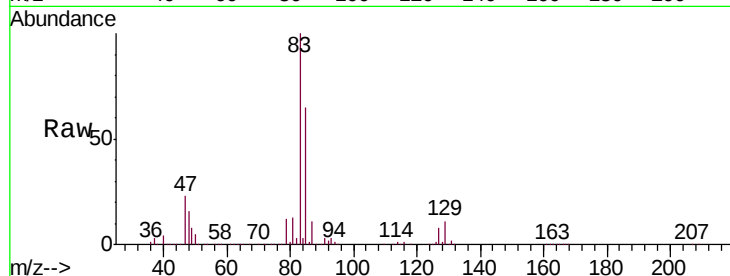
Tgt Ion: 83 Resp: 720609

Ion Ratio Lower Upper

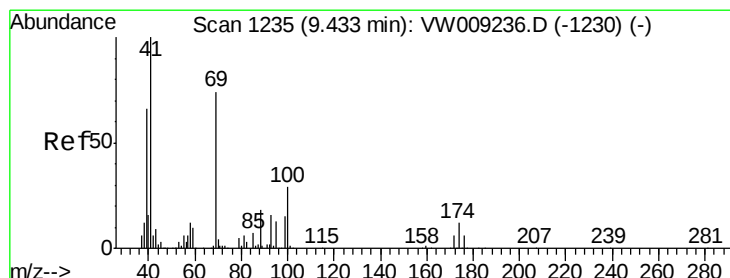
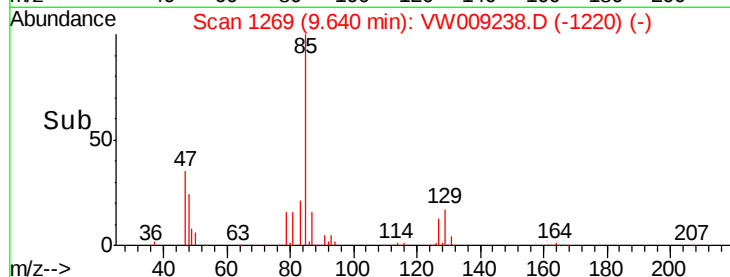
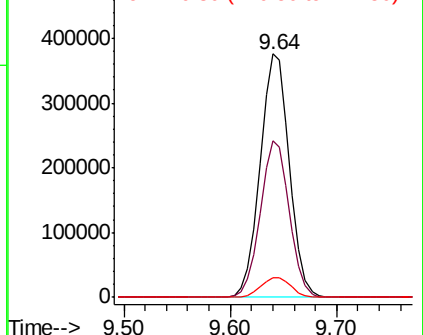
83 100

85 64.5 52.6 79.0

127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 170.008 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

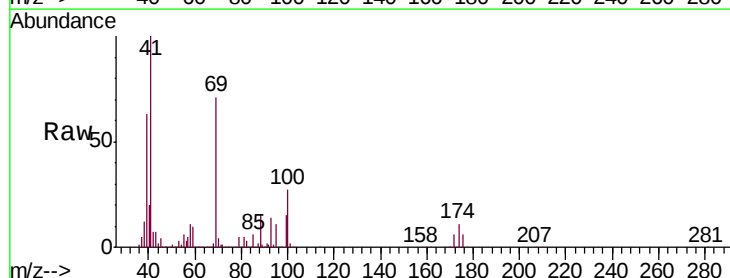
Tgt Ion: 41 Resp: 364855

Ion Ratio Lower Upper

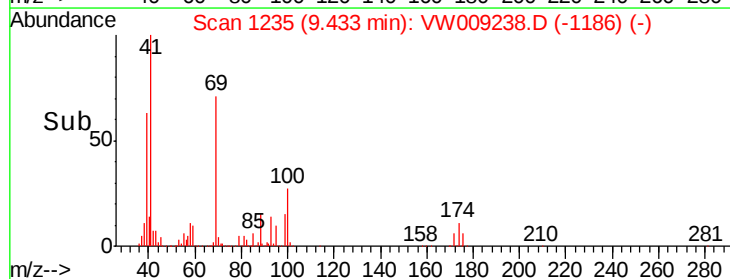
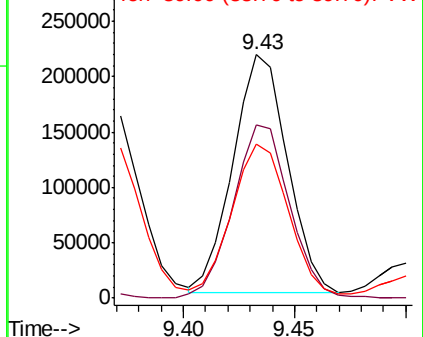
41 100

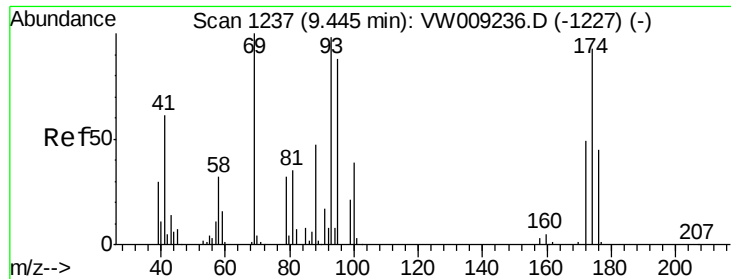
69 75.8 63.0 94.6

39 64.7 57.2 85.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

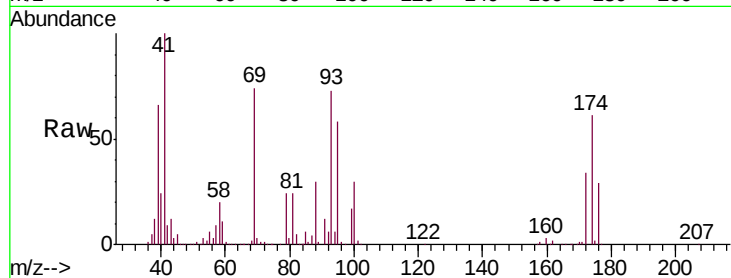




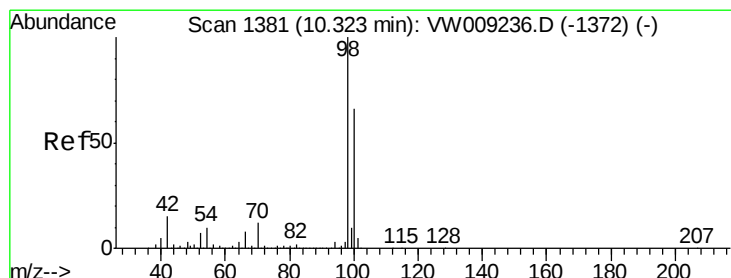
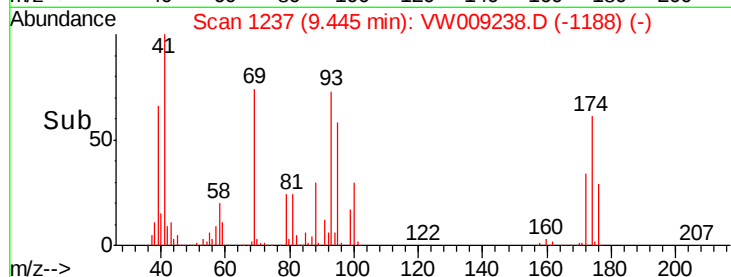
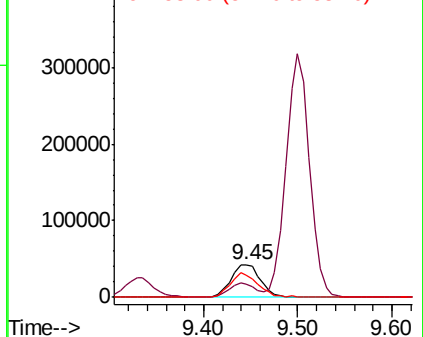
#49
1,4-Dioxane
Concen: 3125.077 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 93216
Ion Ratio Lower Upper
88 100
43 38.2 29.7 44.5
58 72.6 58.1 87.1

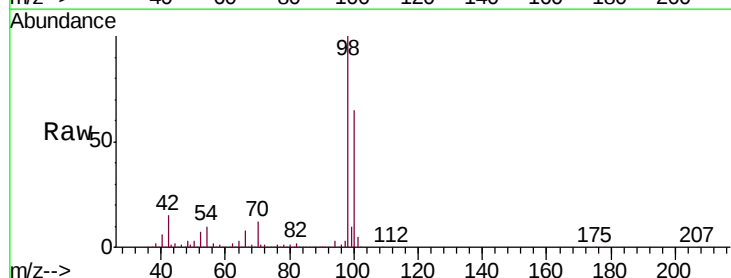


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

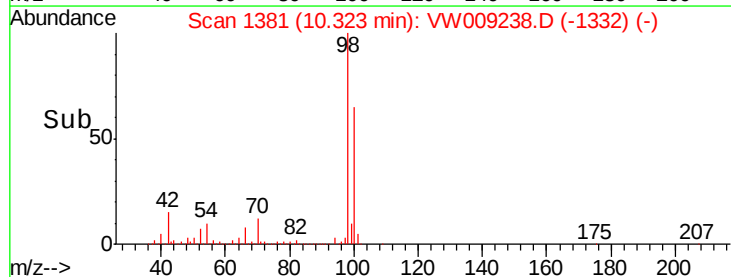
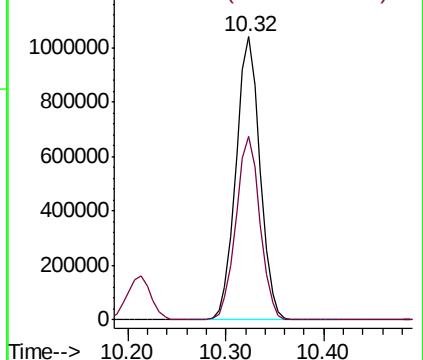


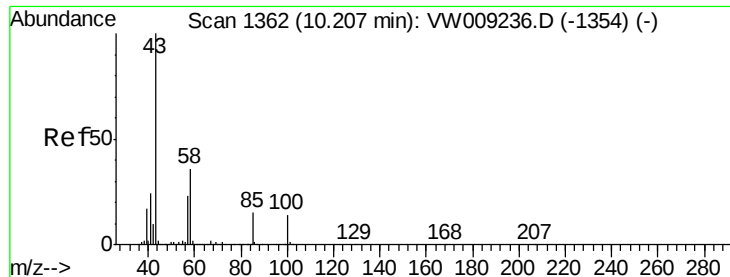
#50
Toluene-d8
Concen: 150.882 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion: 98 Resp: 1773213
Ion Ratio Lower Upper
98 100
100 64.9 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 815.277 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

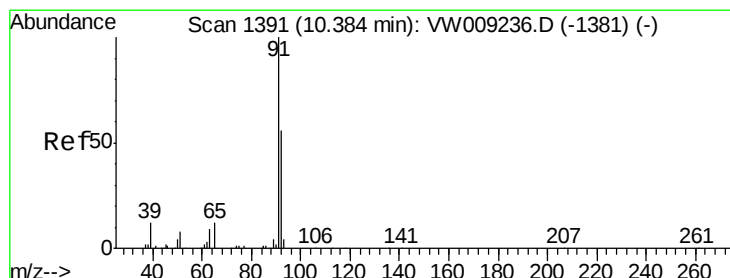
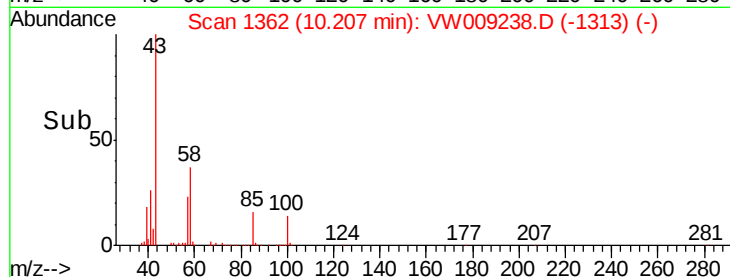
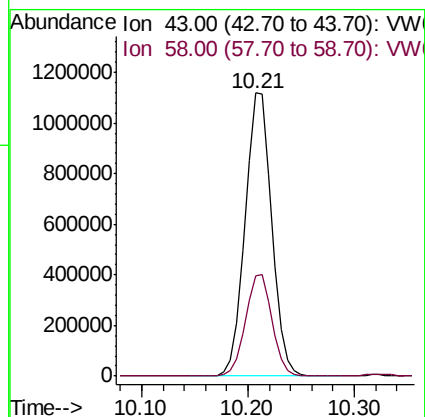
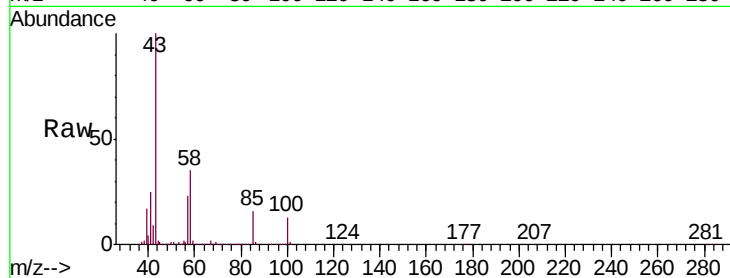
VSTDIC150

Tgt Ion: 43 Resp: 1969531

Ion Ratio Lower Upper

43 100

58 35.7 28.6 42.8



#52

Toluene

Concen: 150.190 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009238.D

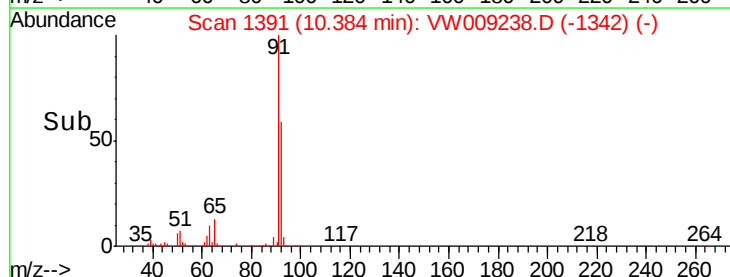
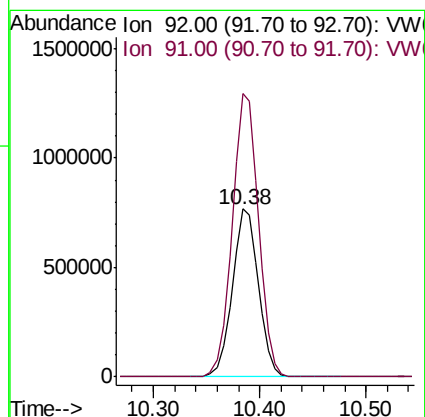
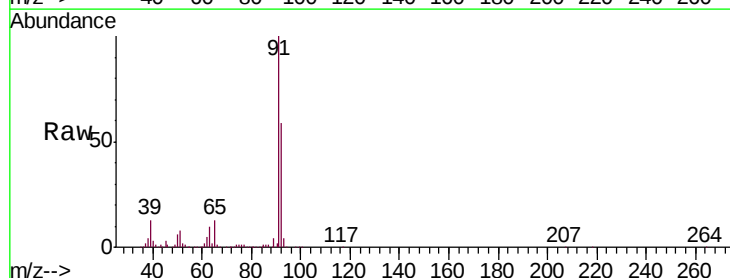
Acq: 19 Mar 2019 13:13

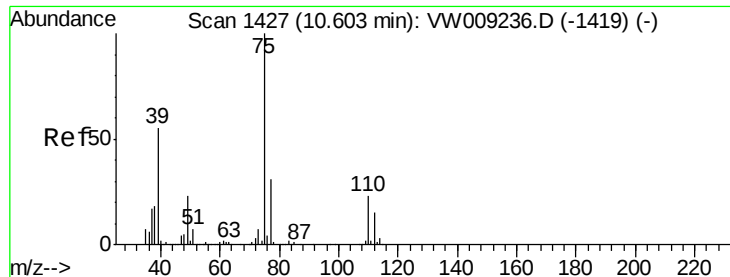
Tgt Ion: 92 Resp: 1309183

Ion Ratio Lower Upper

92 100

91 170.6 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 160.004 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

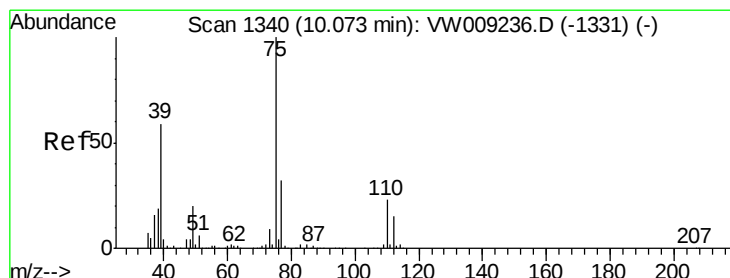
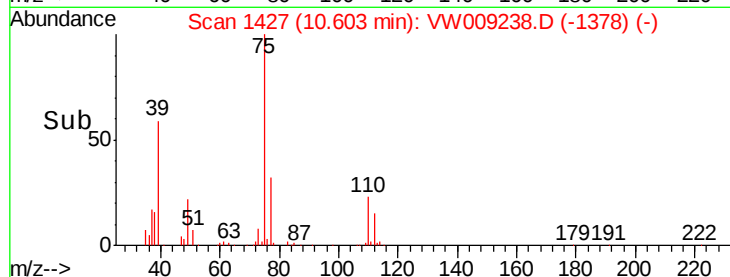
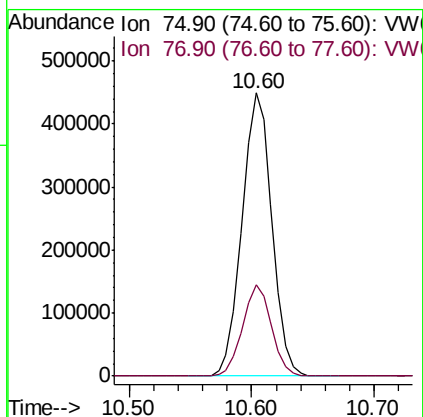
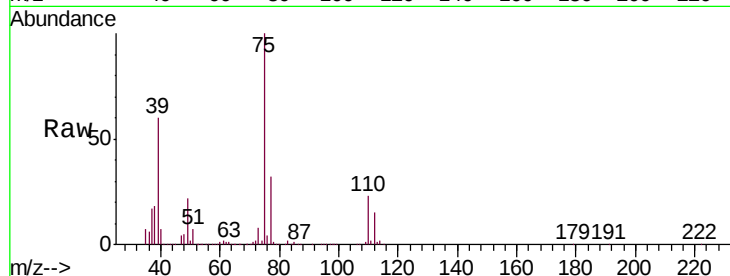
VSTDIC150

Tgt Ion: 75 Resp: 758243

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 153.095 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

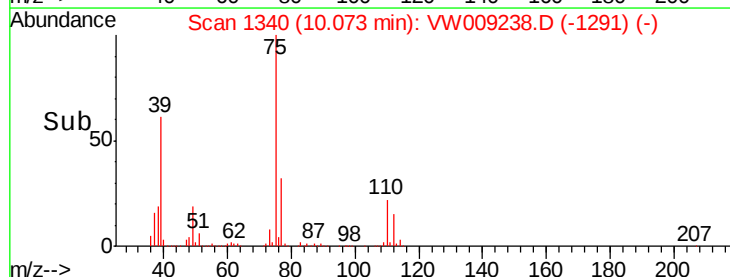
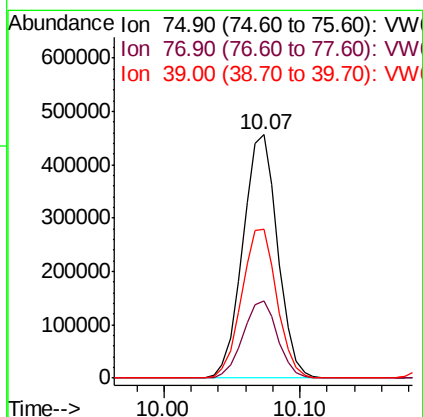
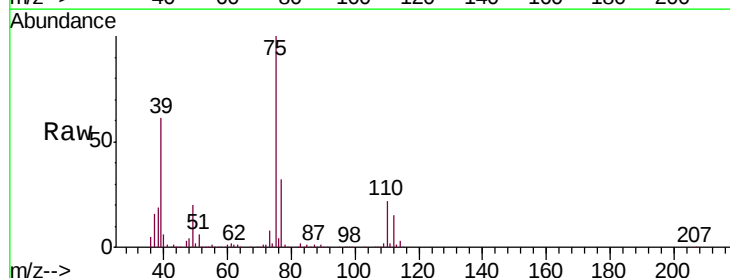
Tgt Ion: 75 Resp: 816205

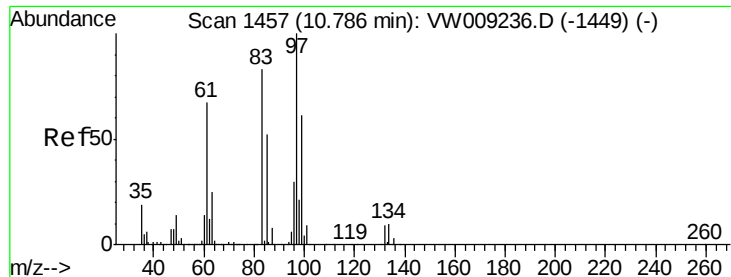
Ion Ratio Lower Upper

75 100

77 31.6 25.9 38.9

39 61.2 46.8 70.2

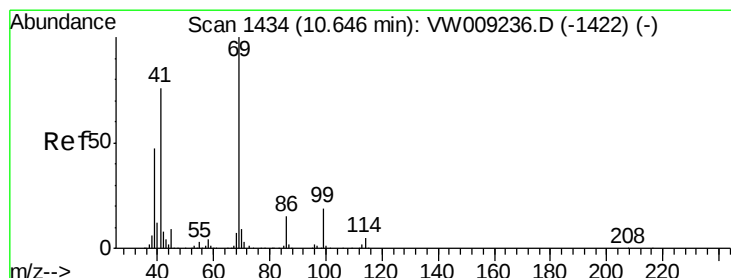
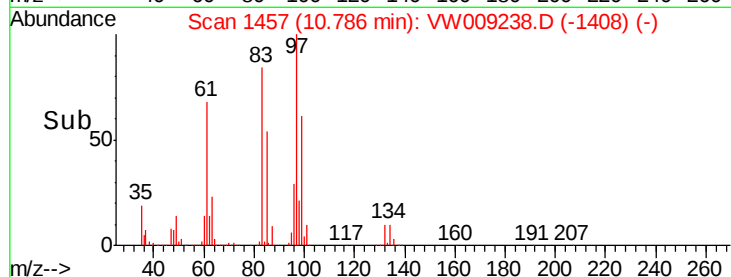
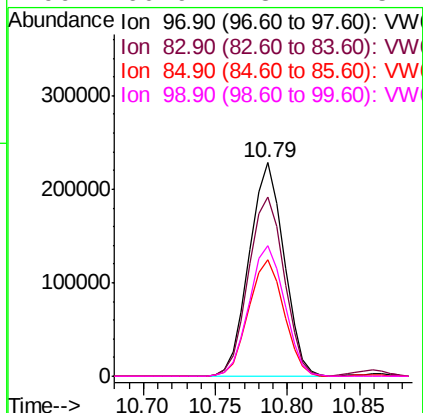
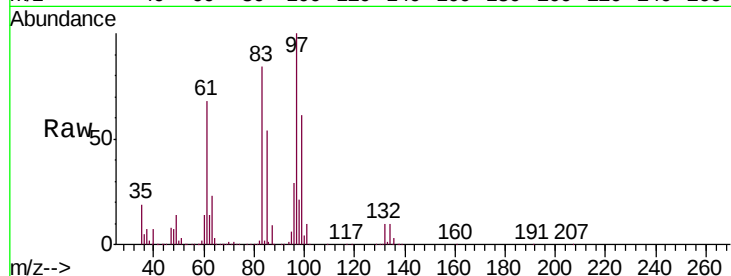




#55
 1,1,2-Trichloroethane
 Concen: 146.945 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

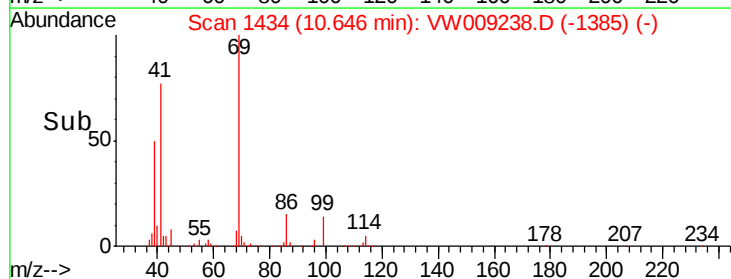
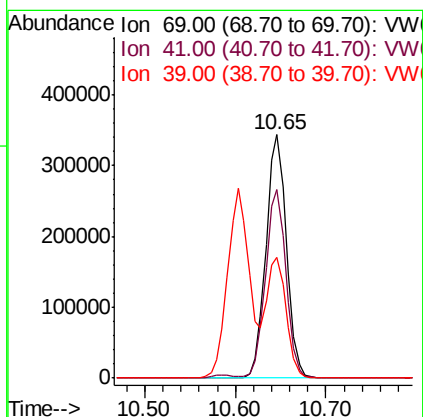
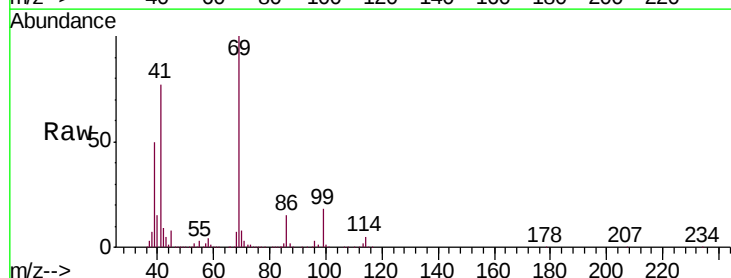
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

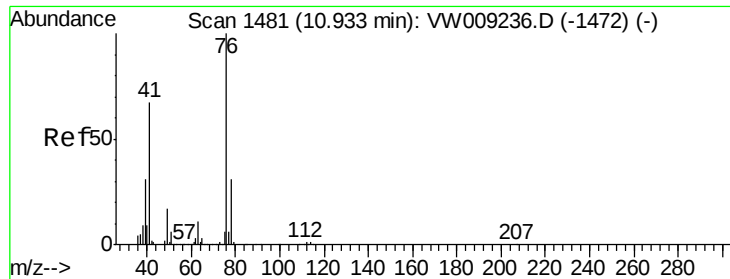
Tgt Ion:	97	Resp:	382649
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.3	99.5
85	54.3	41.4	62.2
99	60.9	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 173.127 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion:	69	Resp:	536824
Ion	Ratio	Lower	Upper
69	100		
41	77.2	59.3	88.9
39	46.2	36.2	54.2





#57

1,3-Dichloropropane

Concen: 150.813 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

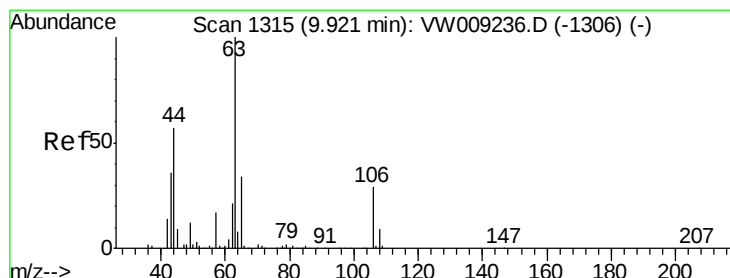
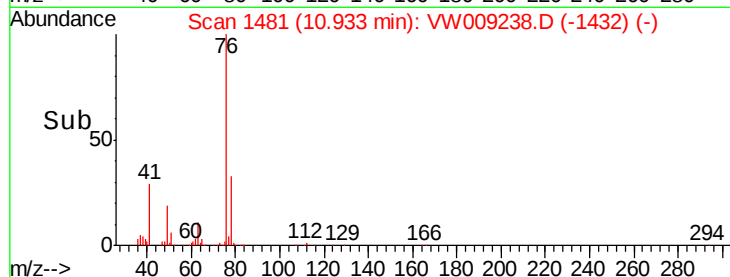
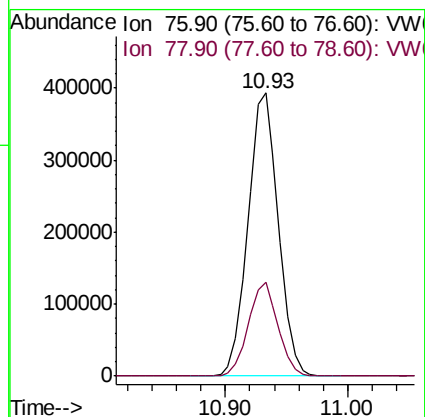
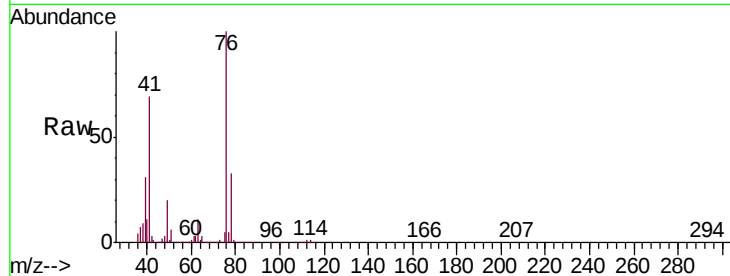
VSTDIC150

Tgt Ion: 76 Resp: 677352

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 310.327 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009238.D

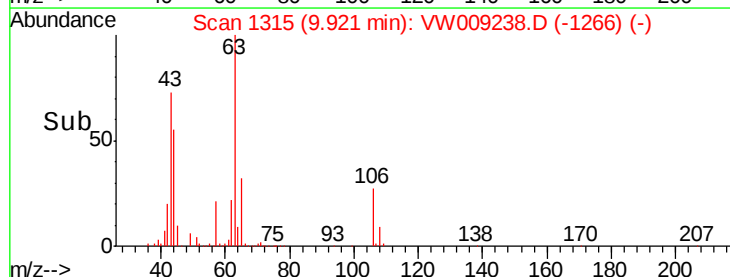
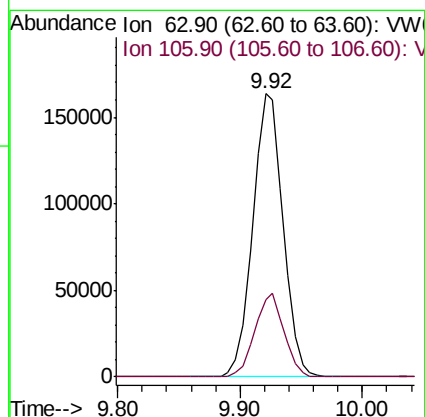
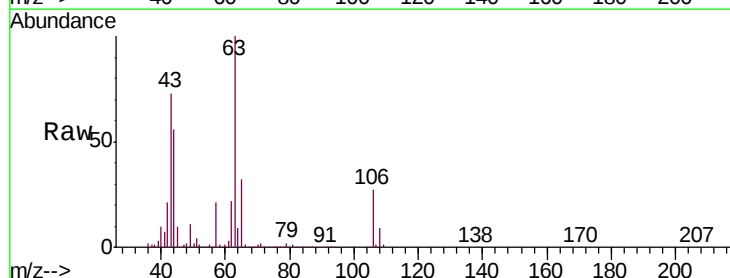
Acq: 19 Mar 2019 13:13

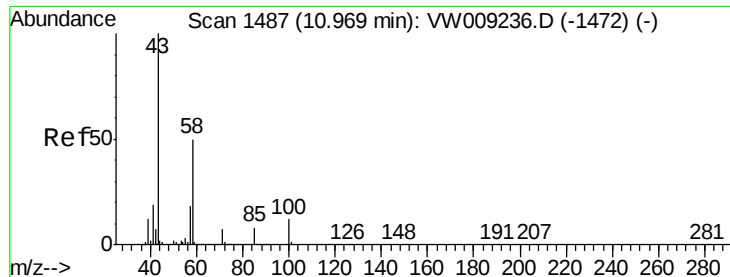
Tgt Ion: 63 Resp: 281551

Ion Ratio Lower Upper

63 100

106 28.3 22.9 34.3





#59

2-Hexanone

Concen: 850.134 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

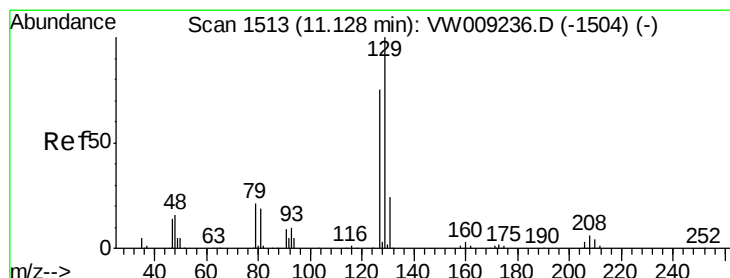
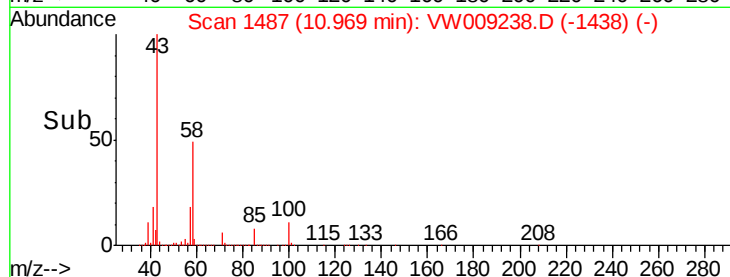
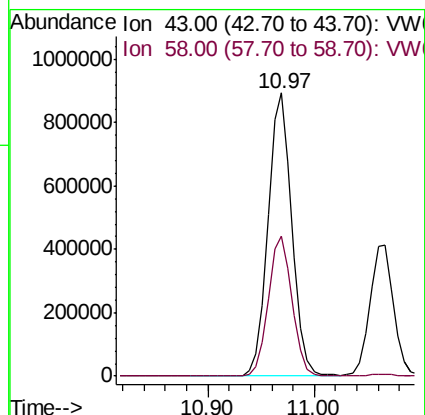
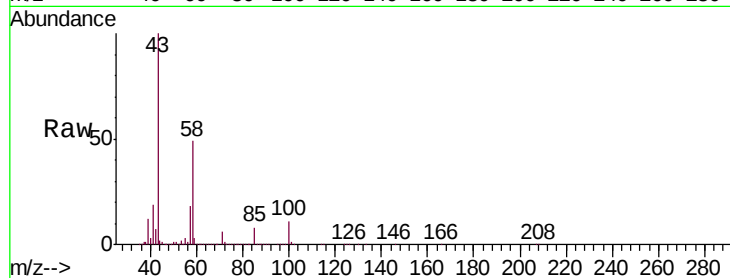
VSTDIC150

Tgt Ion: 43 Resp: 1394282

Ion Ratio Lower Upper

43 100

58 49.5 24.2 72.6



#60

Dibromochloromethane

Concen: 151.182 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009238.D

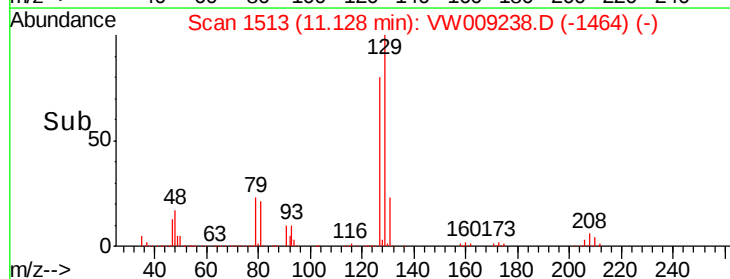
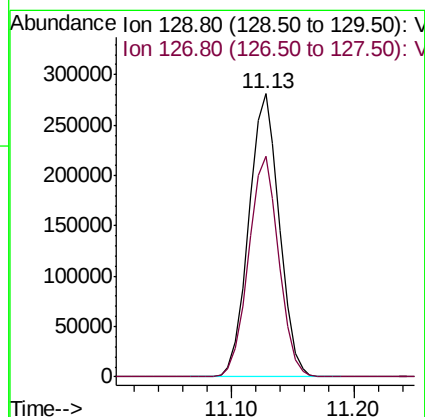
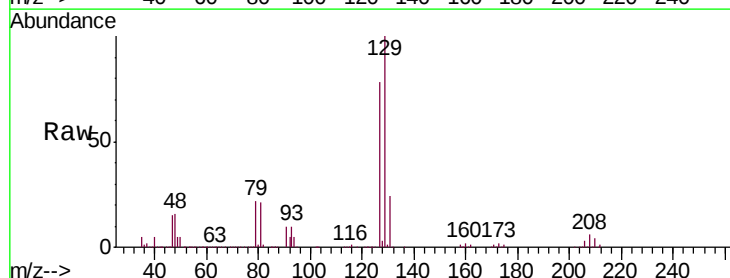
Acq: 19 Mar 2019 13:13

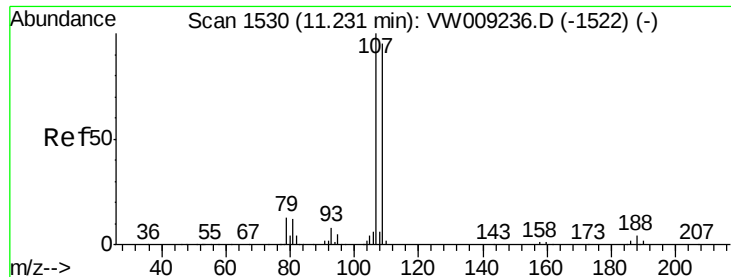
Tgt Ion: 129 Resp: 486387

Ion Ratio Lower Upper

129 100

127 77.3 38.1 114.5

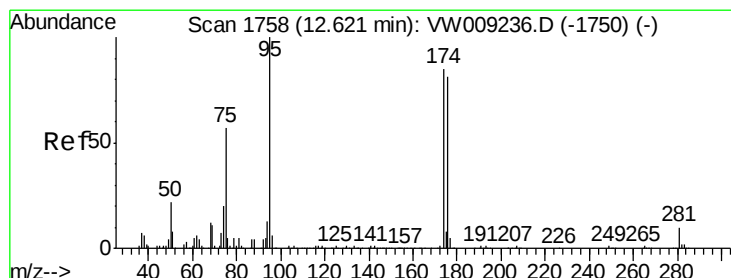
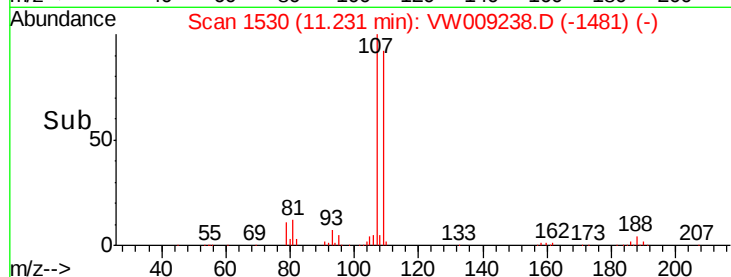
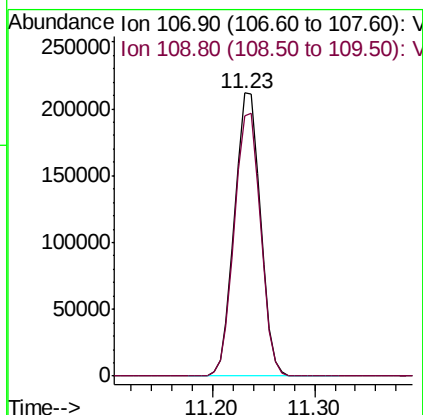
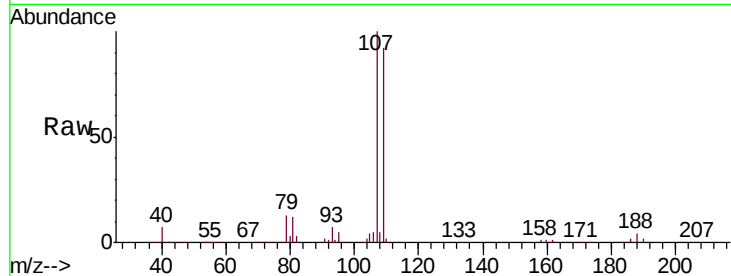




#61
 1,2-Dibromoethane
 Concen: 150.566 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

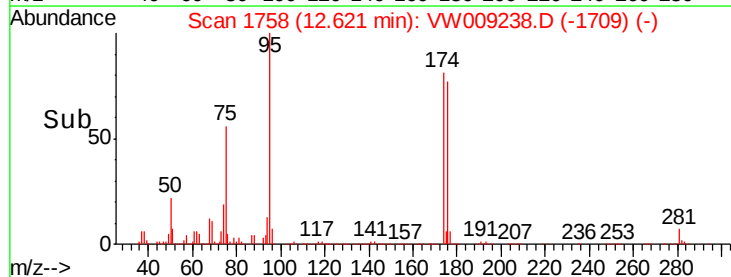
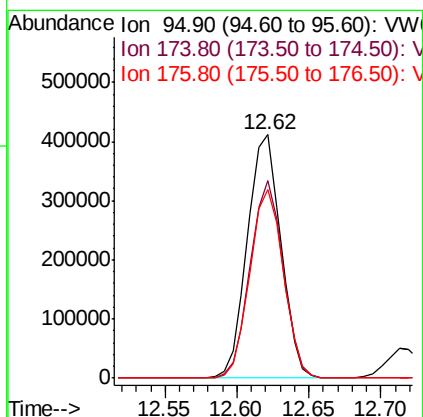
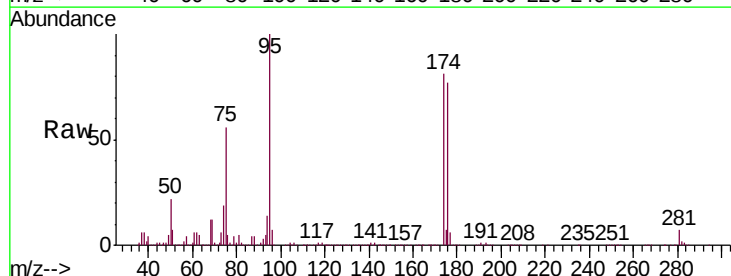
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

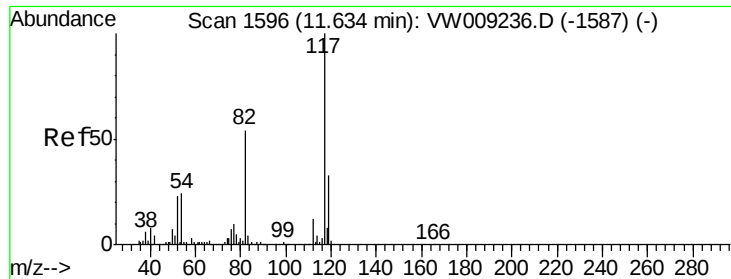
Tgt Ion: 107 Resp: 373428
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 153.743 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion: 95 Resp: 663407
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 168.4
 176 77.2 0.0 161.6

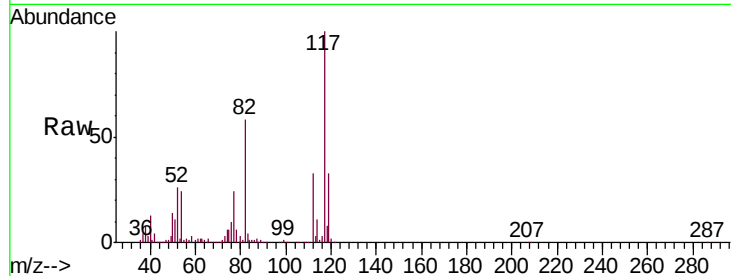




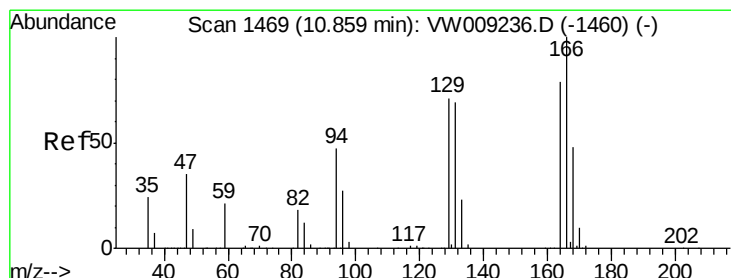
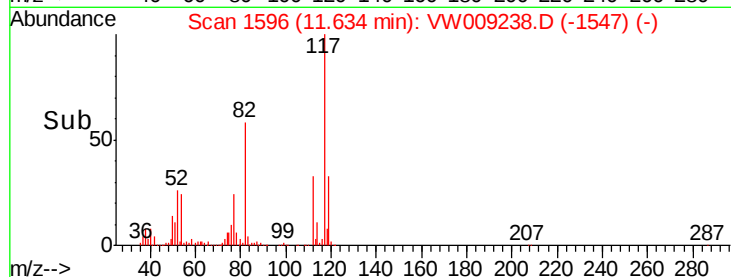
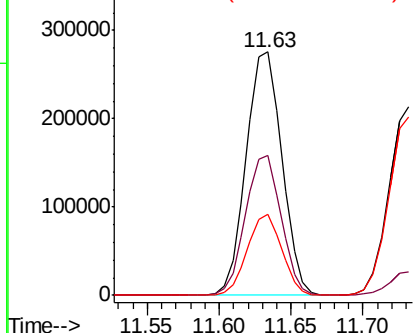
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 473764
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 33.3 26.0 39.0

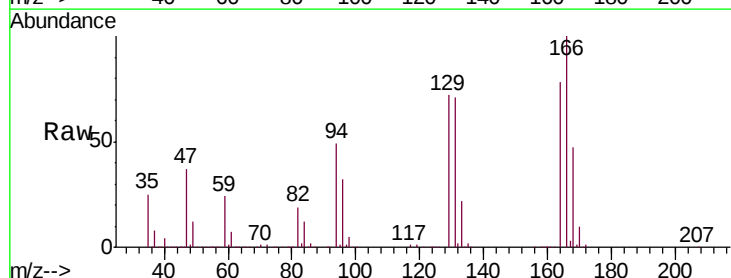


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

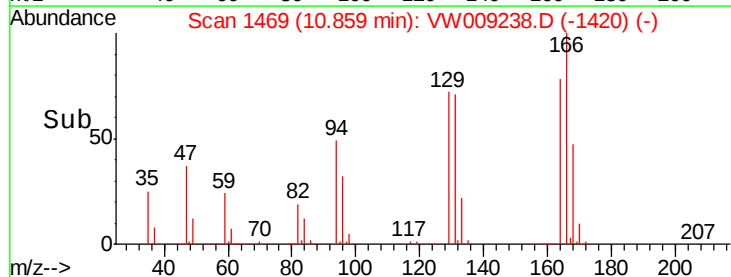
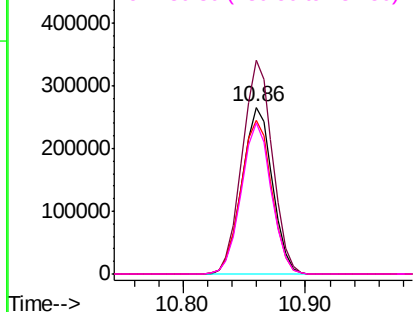


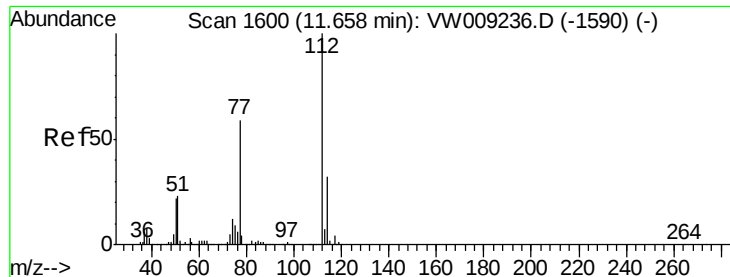
#64
Tetrachloroethene
Concen: 140.917 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion:164 Resp: 457212
Ion Ratio Lower Upper
164 100
166 128.2 100.9 151.3
129 92.6 72.0 108.0
131 90.9 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

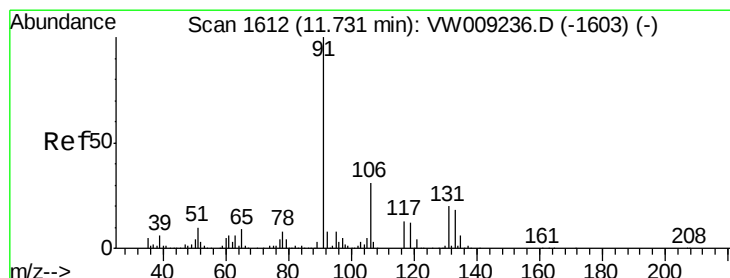
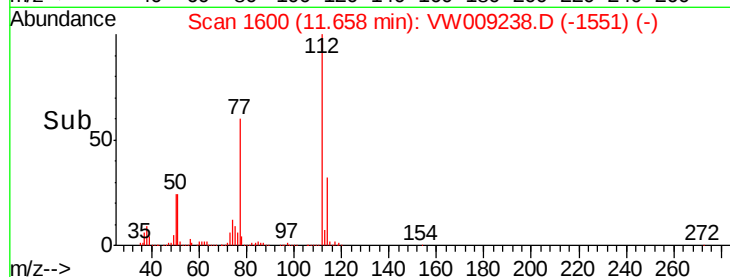
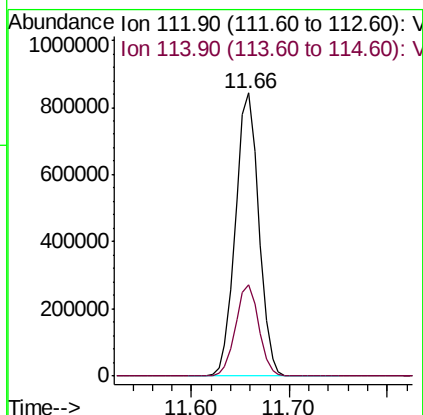
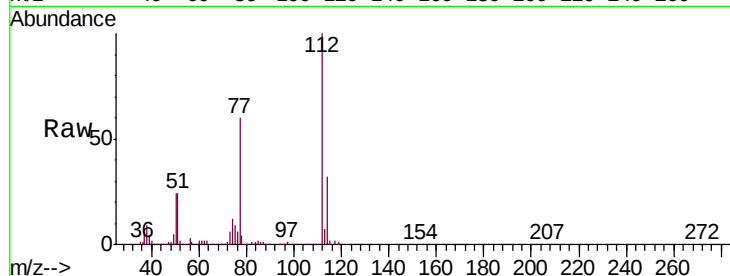




#65
Chlorobenzene
Concen: 142.691 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

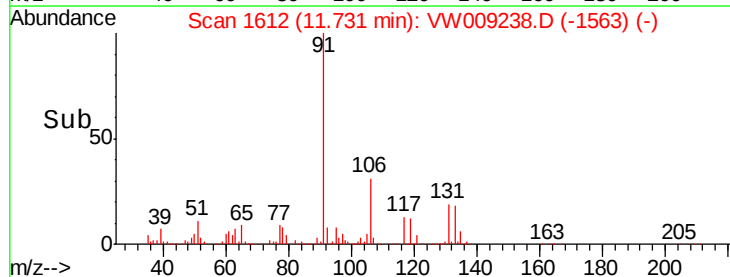
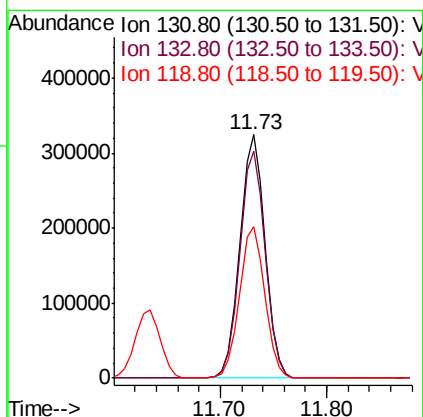
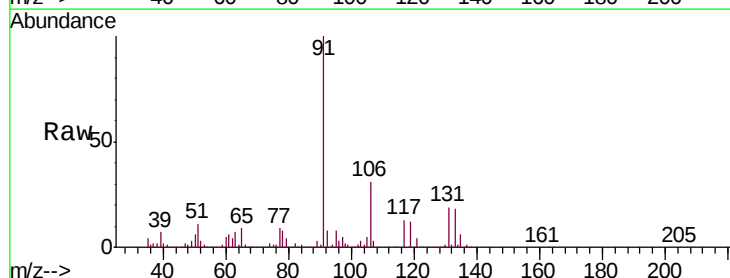
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

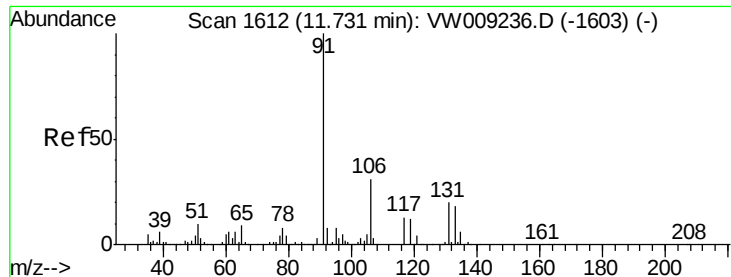
Tgt Ion:112 Resp: 1398079
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 146.760 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion:131 Resp: 537108
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.8
119 63.1 31.6 95.0

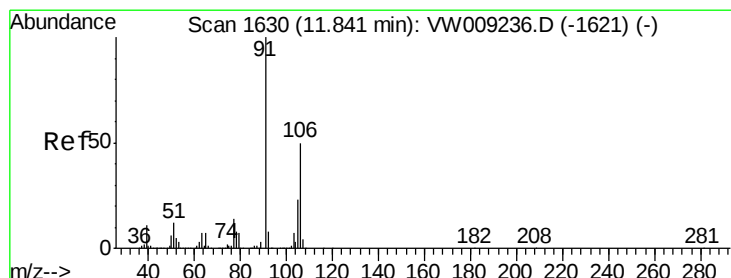
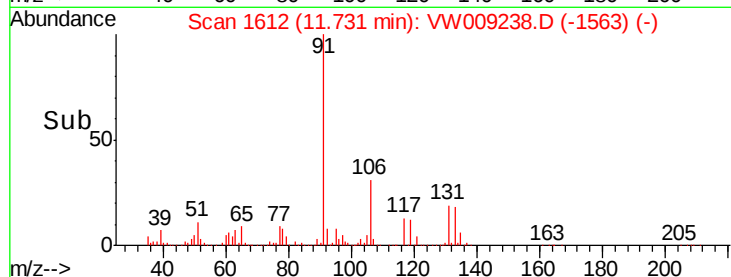
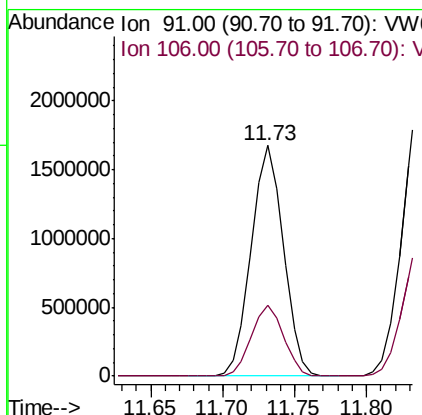
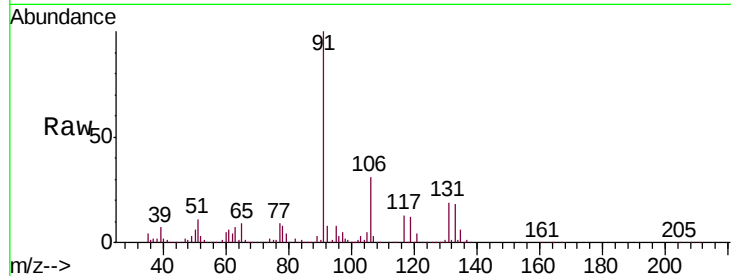




#67
Ethyl Benzene
Concen: 152.889 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

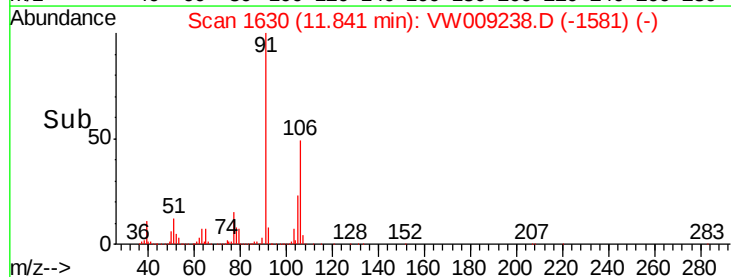
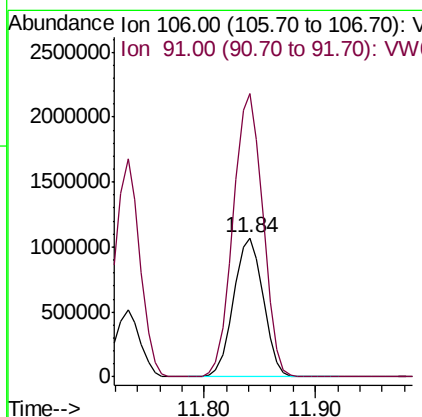
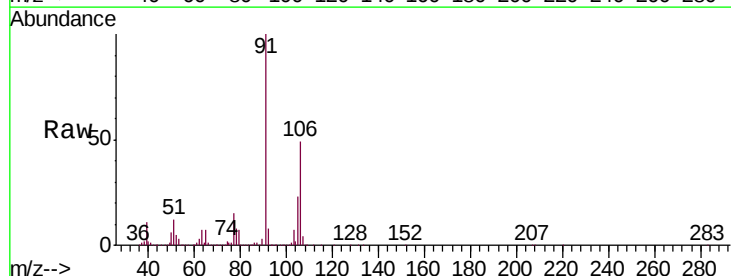
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

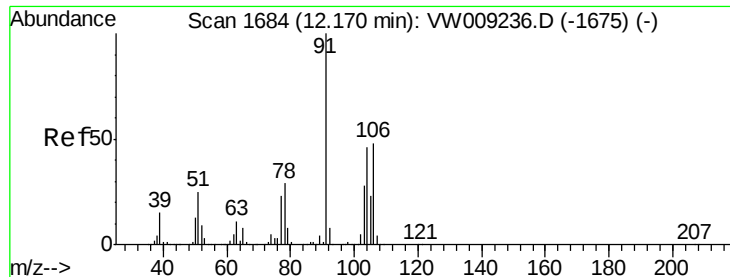
Tgt Ion: 91 Resp: 2594627
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 299.225 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion: 106 Resp: 1968270
Ion Ratio Lower Upper
106 100
91 205.1 163.1 244.7

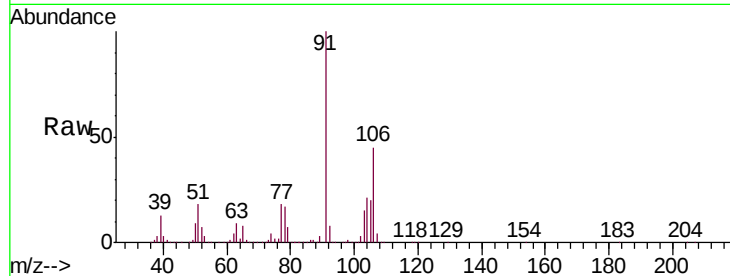




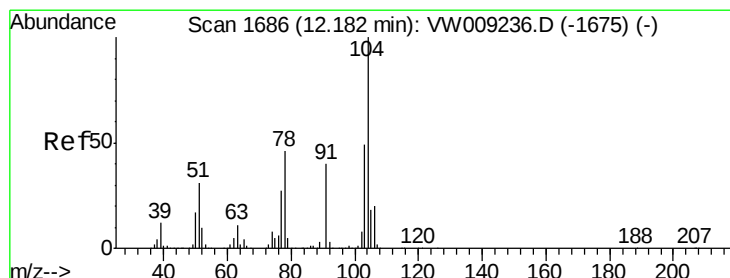
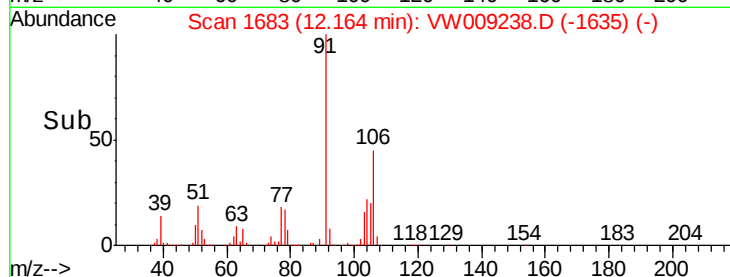
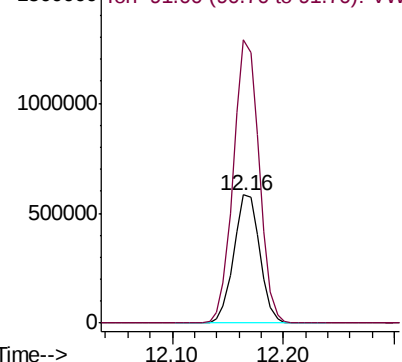
#69
o-Xylene
Concen: 155.082 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 947287
Ion Ratio Lower Upper
106 100
91 219.1 108.6 325.8

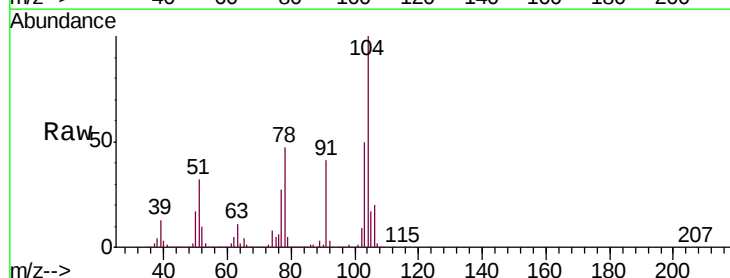


Abundance Ion 106.00 (105.70 to 106.70): V
1500000 Ion 91.00 (90.70 to 91.70): VW

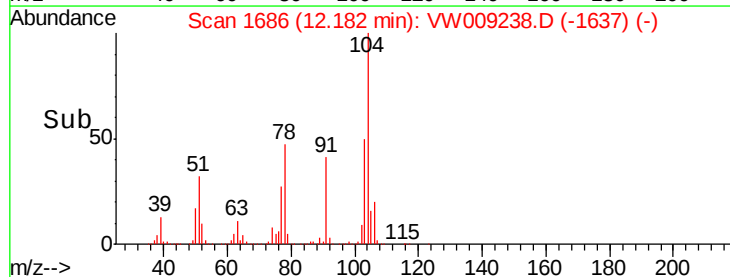
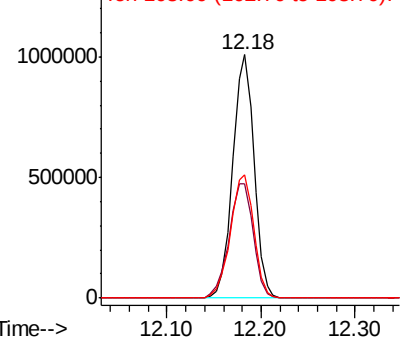


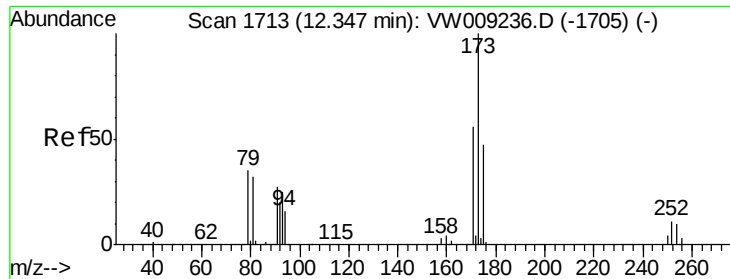
#70
Styrene
Concen: 159.015 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion:104 Resp: 1601478
Ion Ratio Lower Upper
104 100
78 53.2 42.2 63.4
103 55.2 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
1000000 Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

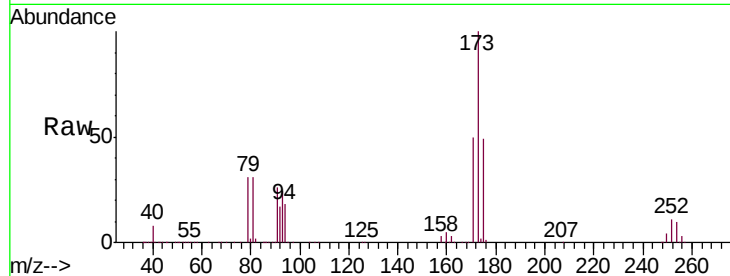




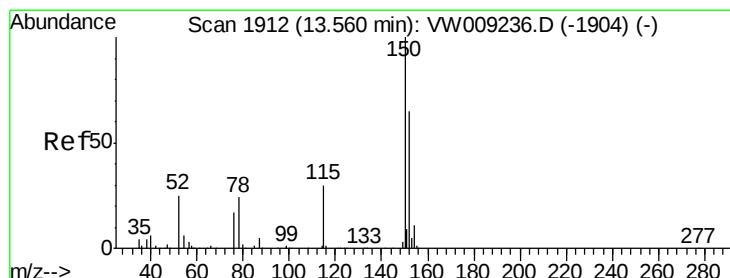
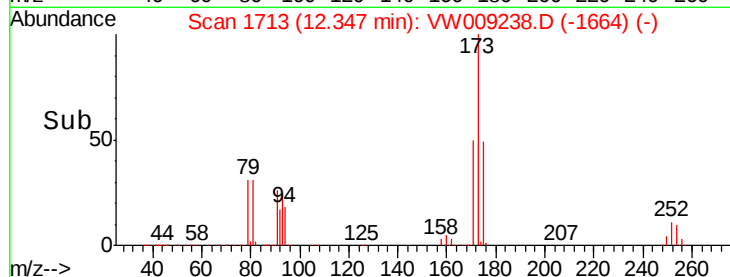
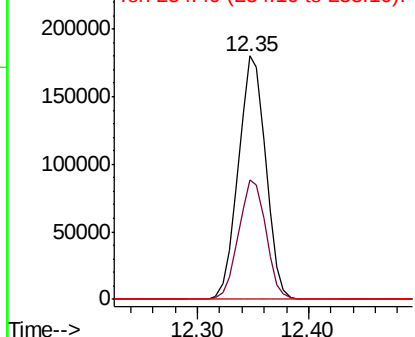
#71
Bromoform
Concen: 153.352 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 306552
Ion Ratio Lower Upper
173 100
175 49.1 24.1 72.4
254 0.2 0.2 0.4#

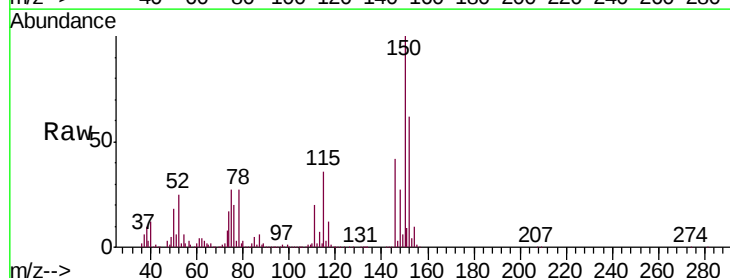


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

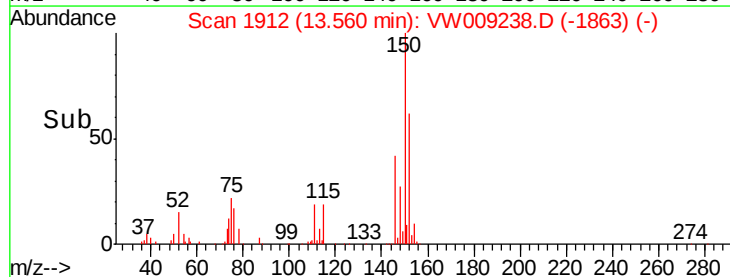
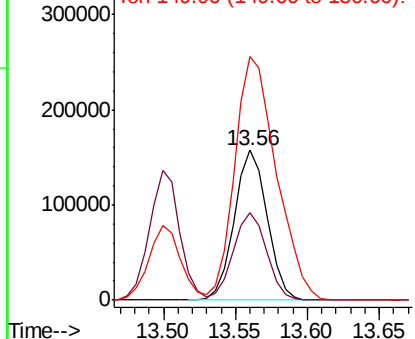


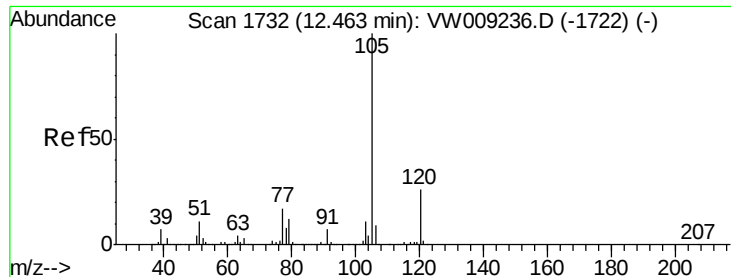
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion:152 Resp: 250520
Ion Ratio Lower Upper
152 100
115 59.0 29.6 88.8
150 204.5 0.0 349.2



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: 159.323 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

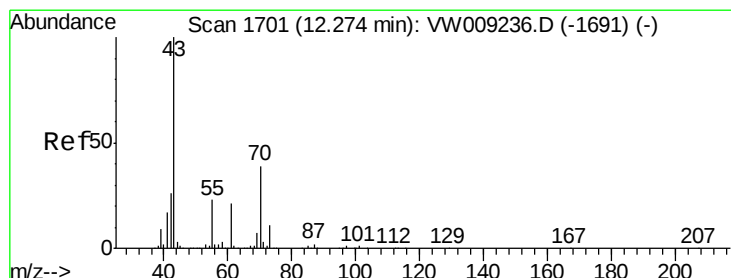
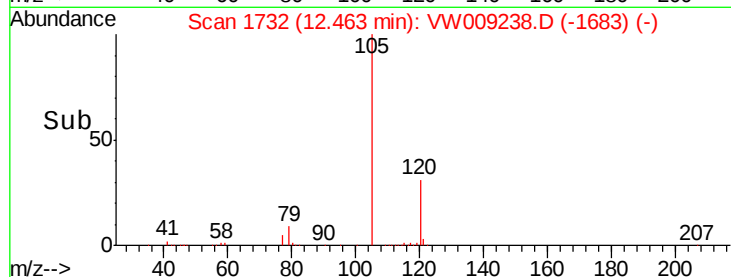
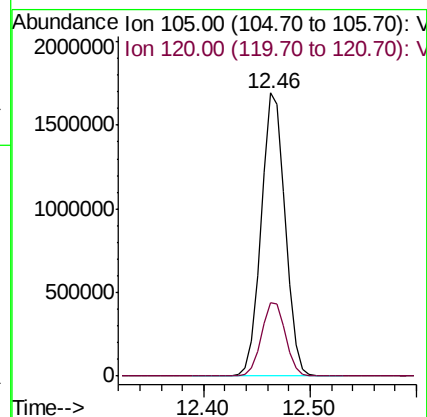
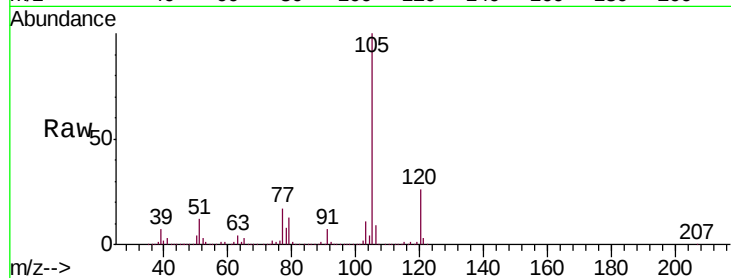
VSTDIC150

Tgt Ion:105 Resp: 2667786

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 176.431 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Tgt Ion: 43 Resp: 770614

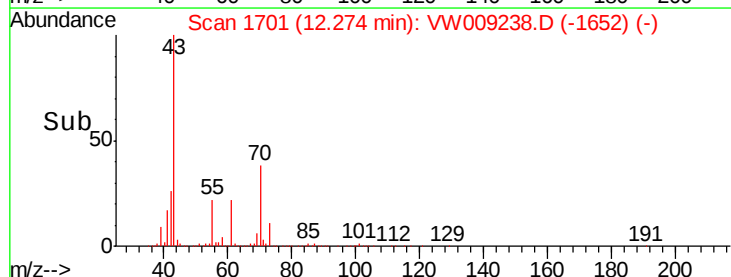
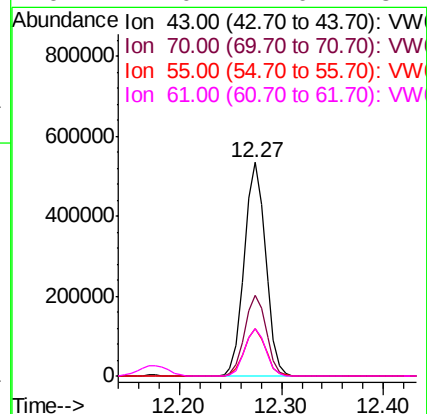
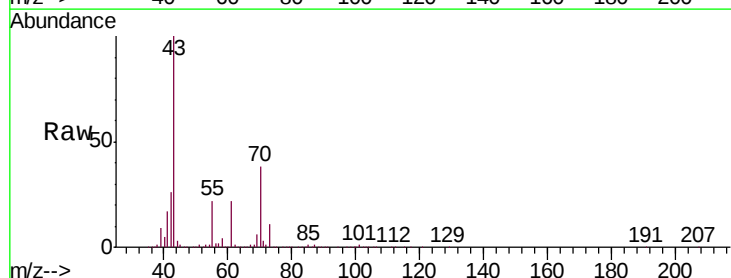
Ion Ratio Lower Upper

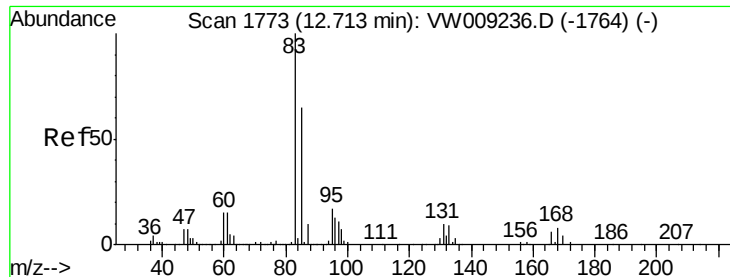
43 100

70 38.1 30.6 46.0

55 22.4 19.3 28.9

61 22.0 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 152.068 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

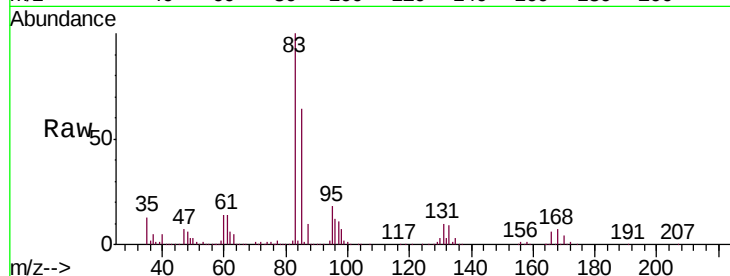
Tgt Ion: 83 Resp: 476308

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

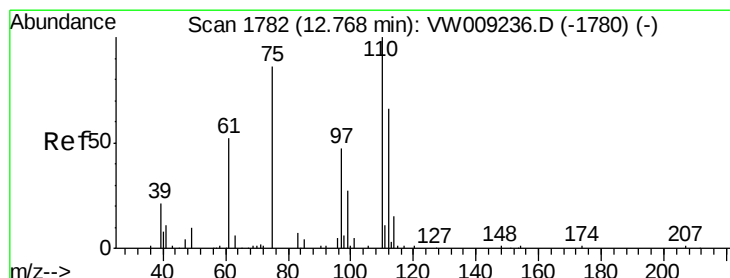
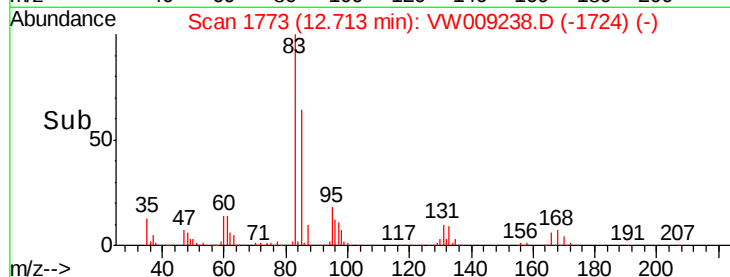
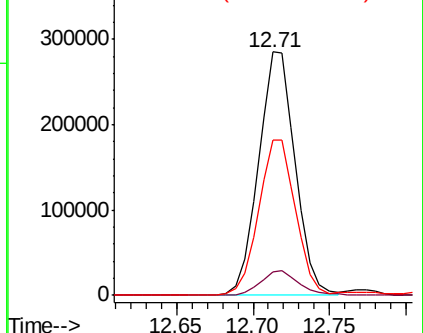
85 64.3 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 261.310 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009238.D

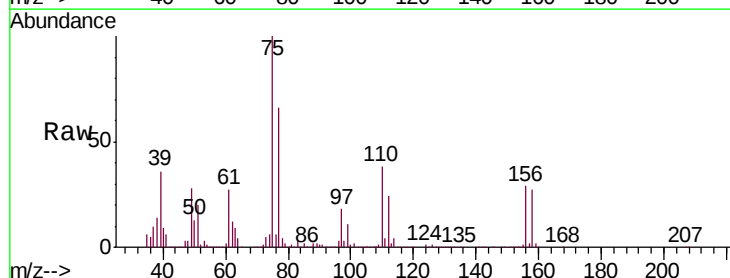
Acq: 19 Mar 2019 13:13

Tgt Ion: 75 Resp: 661890

Ion Ratio Lower Upper

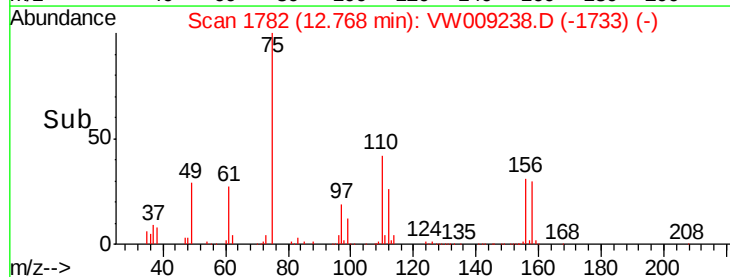
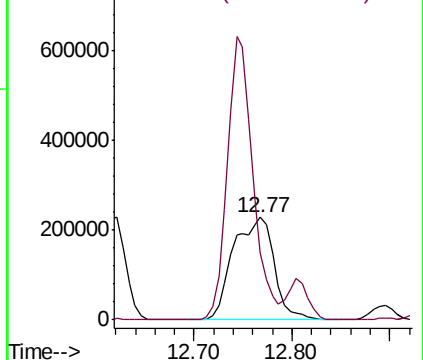
75 100

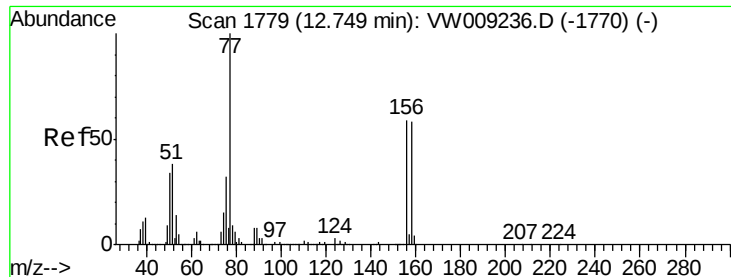
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 147.396 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

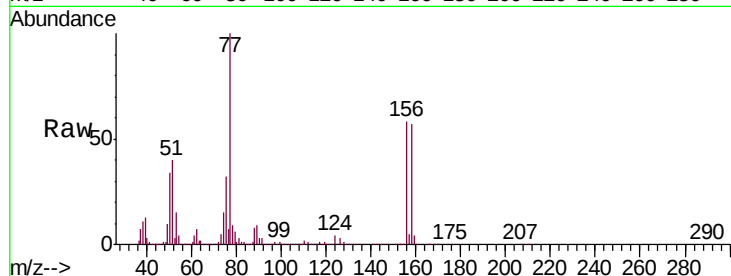
Tgt Ion:156 Resp: 584612

Ion Ratio Lower Upper

156 100

77 196.0 96.0 288.0

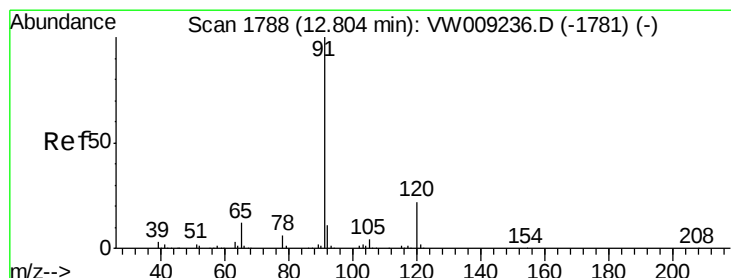
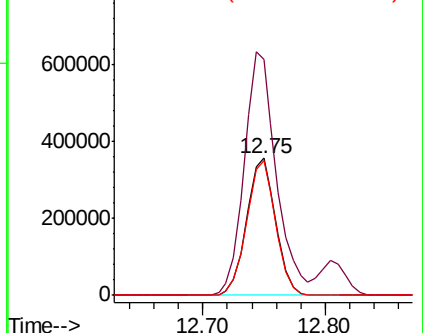
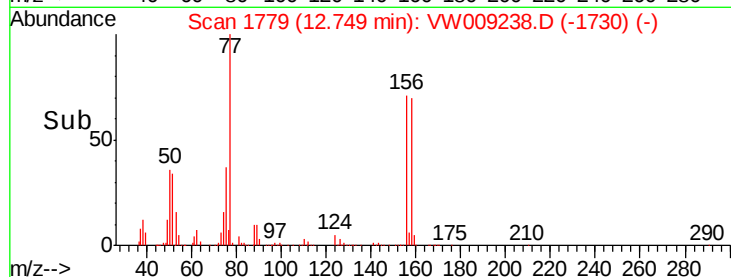
158 97.8 49.1 147.3



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: 153.580 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009238.D

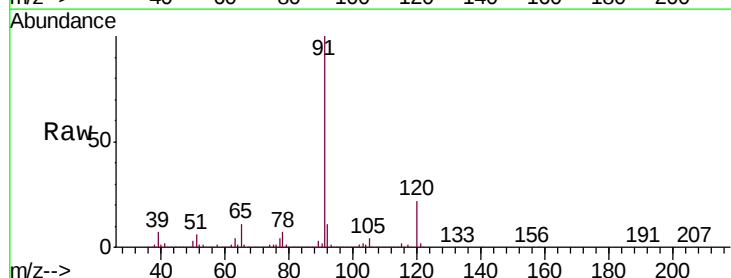
Acq: 19 Mar 2019 13:13

Tgt Ion: 91 Resp: 3158372

Ion Ratio Lower Upper

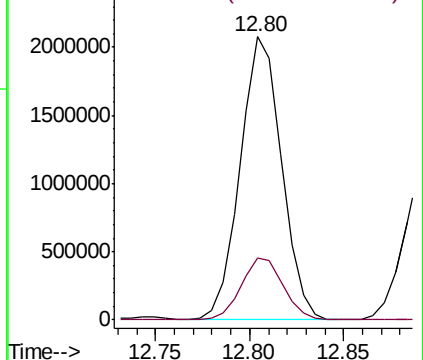
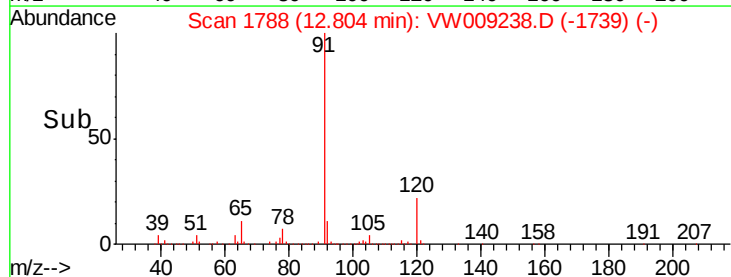
91 100

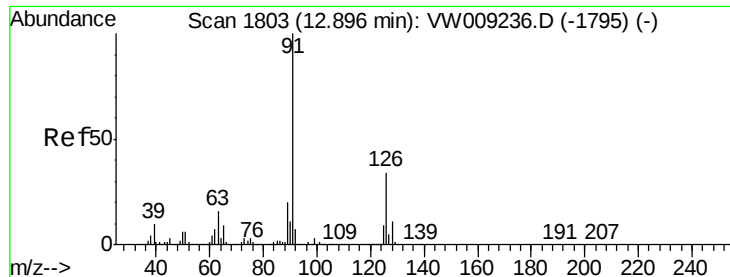
120 22.3 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 152.262 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

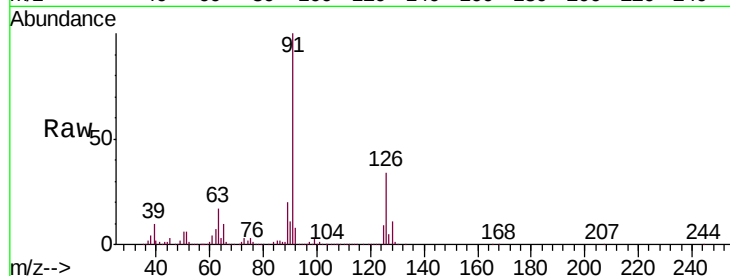
VSTDIC150

Tgt Ion: 91 Resp: 1778793

Ion Ratio Lower Upper

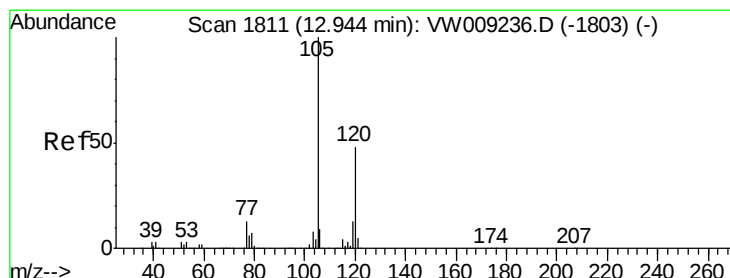
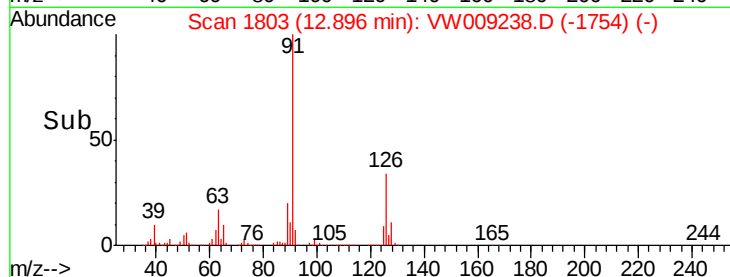
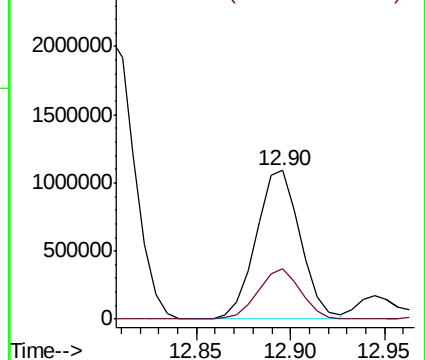
91 100

126 32.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 154.069 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009238.D

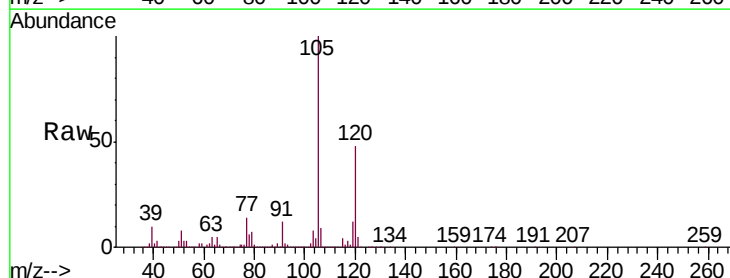
Acq: 19 Mar 2019 13:13

Tgt Ion: 105 Resp: 2193900

Ion Ratio Lower Upper

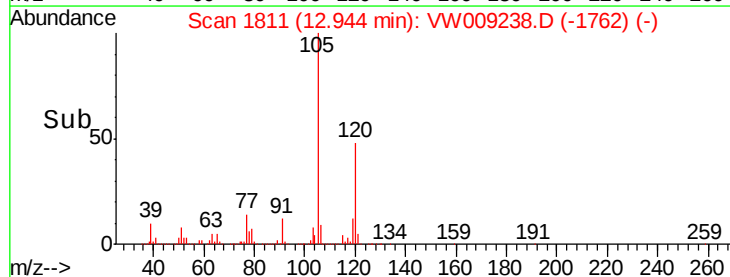
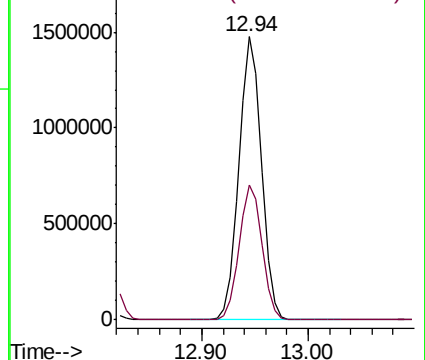
105 100

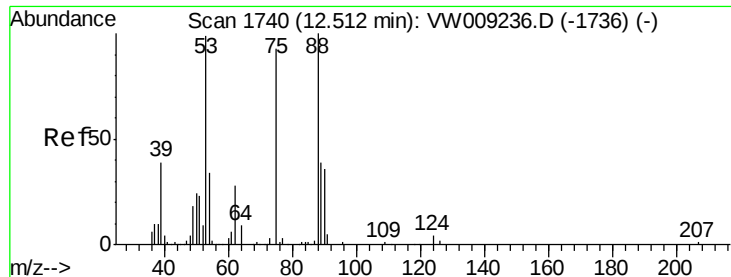
120 48.5 24.6 74.0



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: 173.189 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

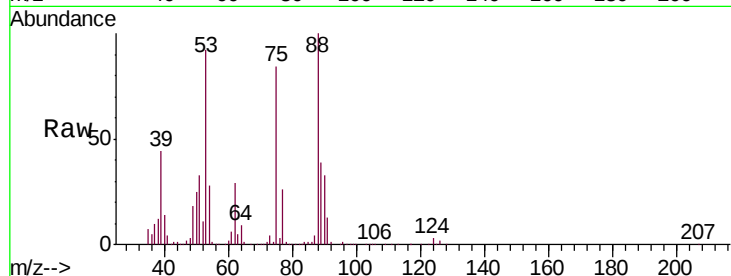
Tgt Ion: 75 Resp: 166165

Ion Ratio Lower Upper

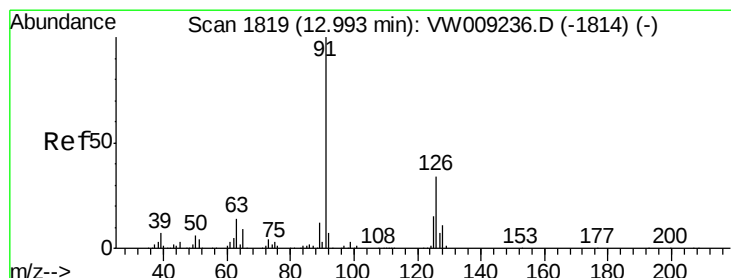
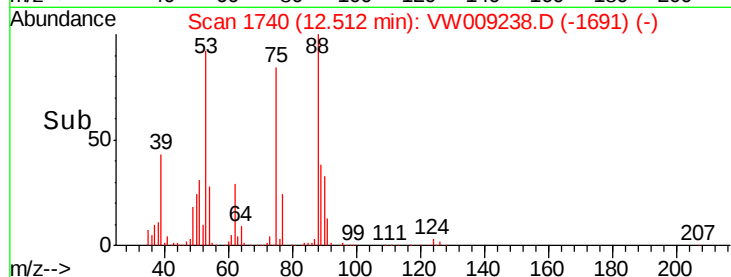
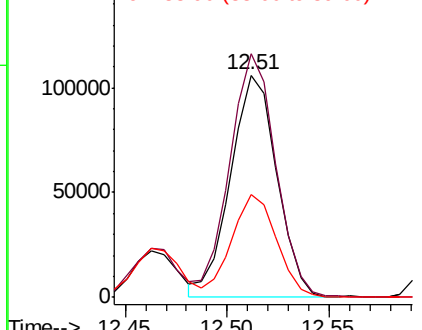
75 100

53 110.0 86.7 130.1

89 45.4 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 152.241 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009238.D

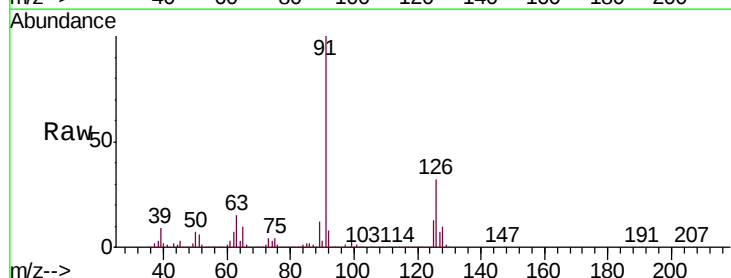
Acq: 19 Mar 2019 13:13

Tgt Ion: 91 Resp: 1873680

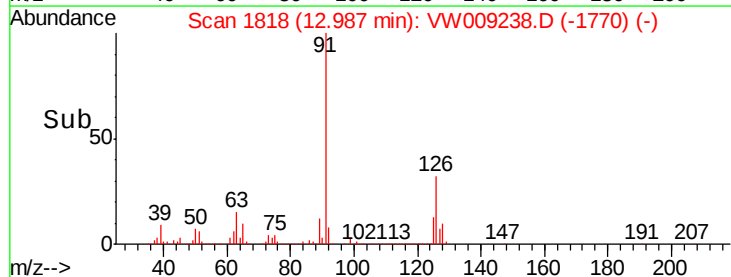
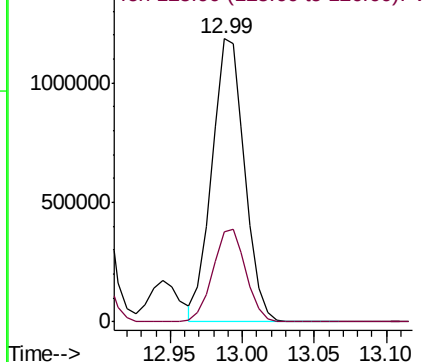
Ion Ratio Lower Upper

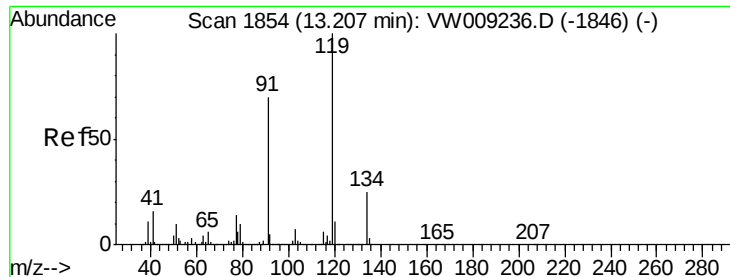
91 100

126 33.1 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 156.789 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

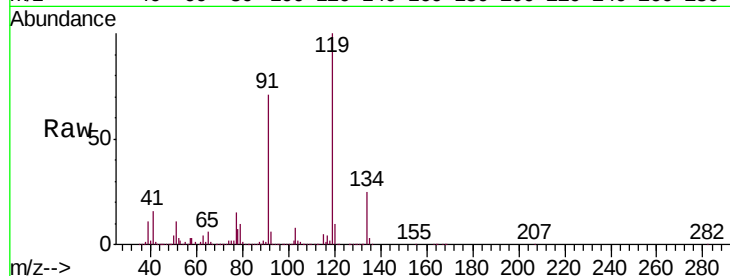
Tgt Ion:119 Resp: 1907958

Ion Ratio Lower Upper

119 100

91 69.3 34.4 103.2

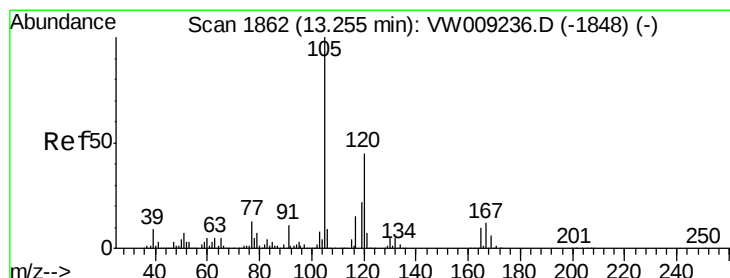
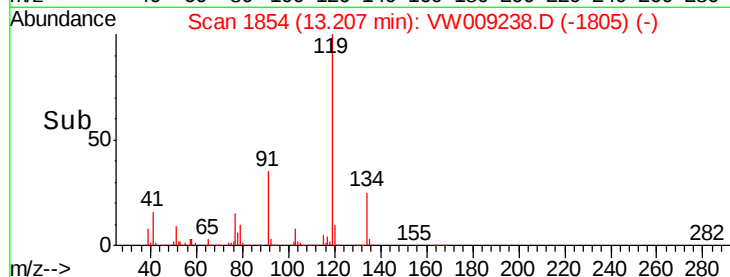
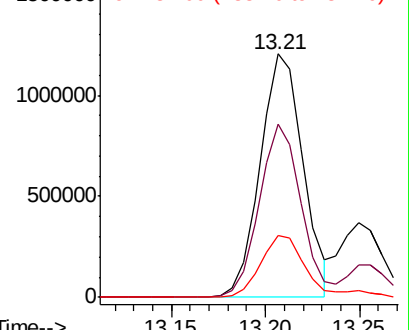
134 27.5 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 154.142 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009238.D

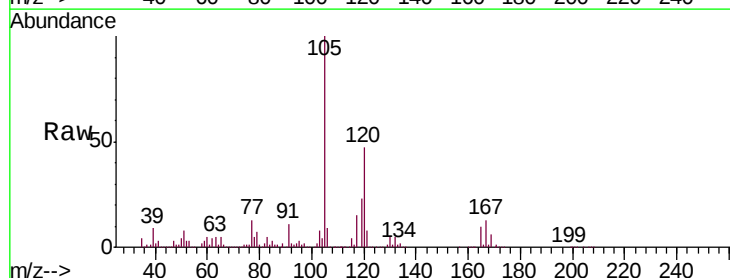
Acq: 19 Mar 2019 13:13

Tgt Ion:105 Resp: 2250236

Ion Ratio Lower Upper

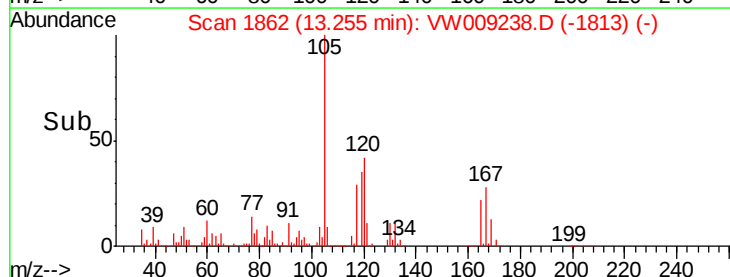
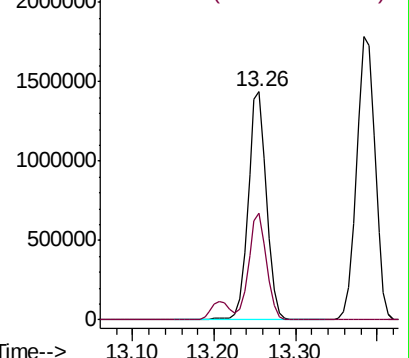
105 100

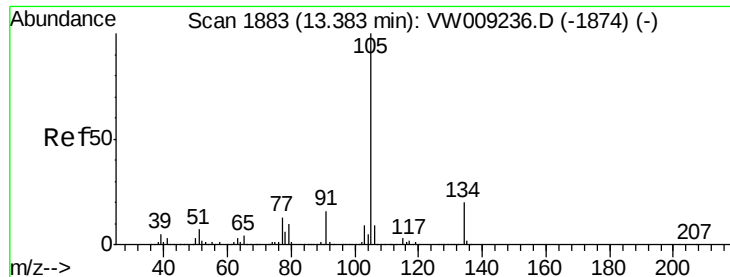
120 45.2 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

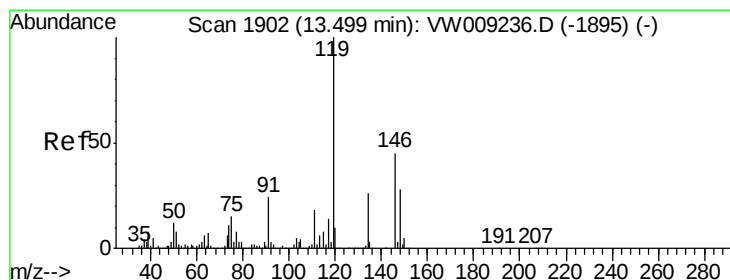
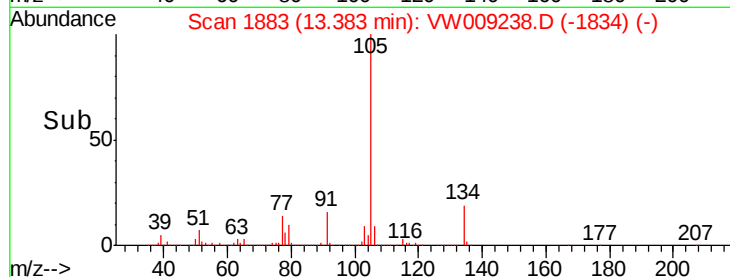
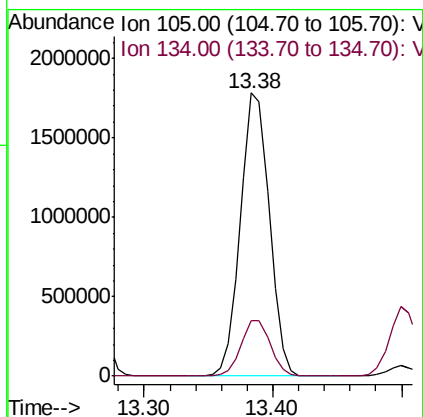
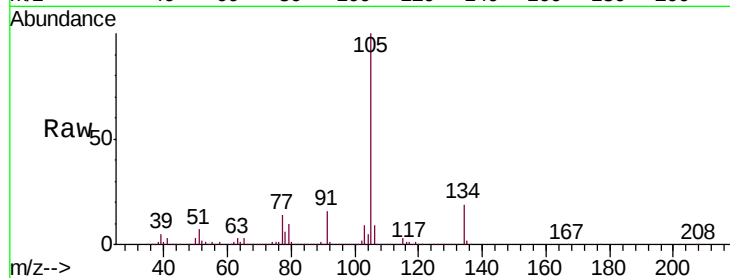




#85
 sec-Butylbenzene
 Concen: 153.782 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

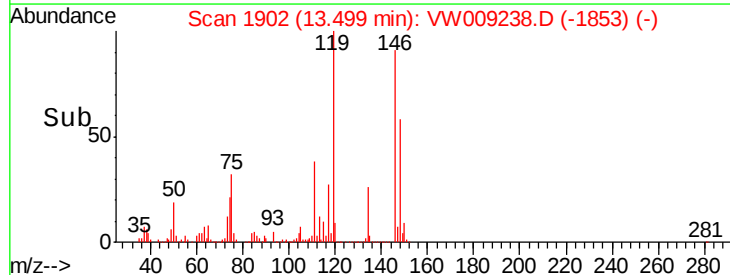
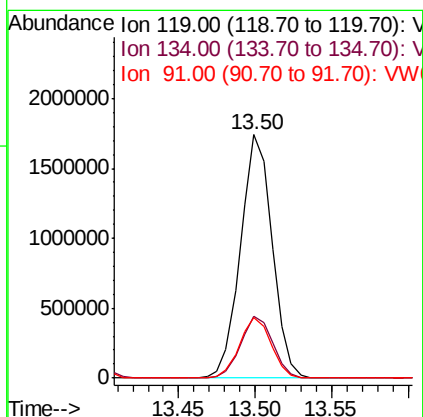
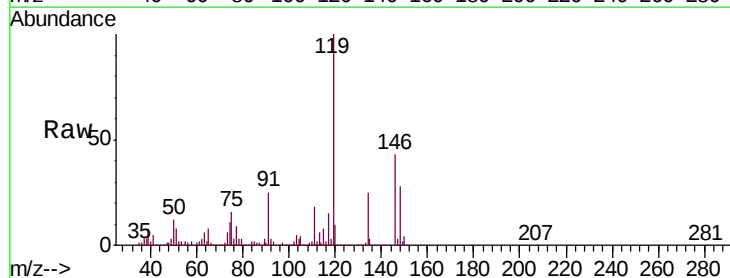
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

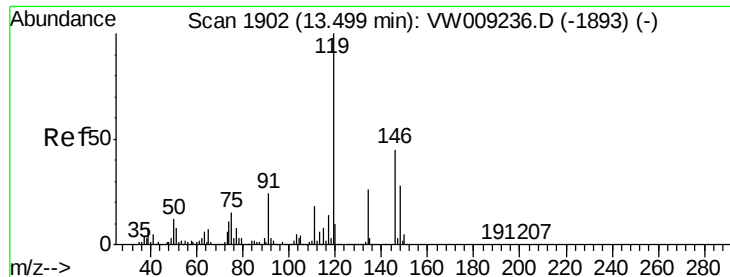
Tgt Ion:105 Resp: 2765306
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 156.192 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion:119 Resp: 2501059
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 24.8 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 145.447 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

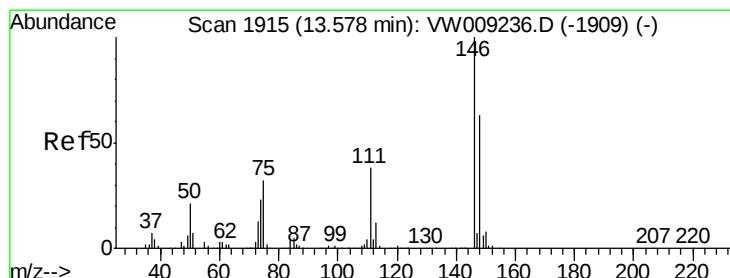
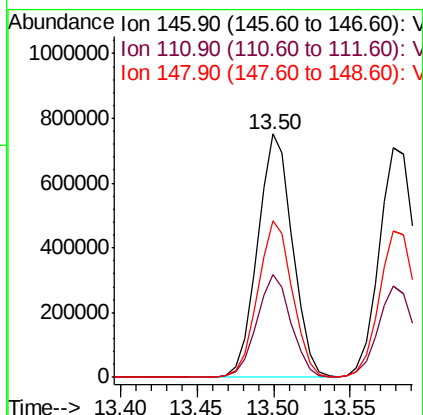
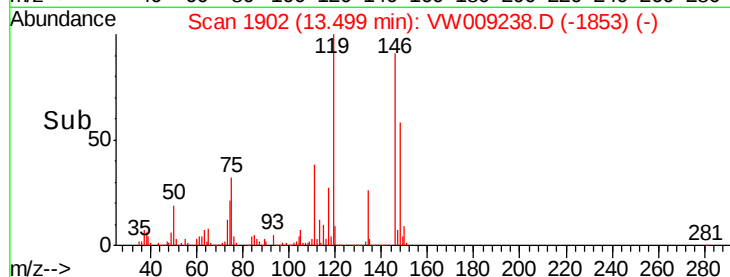
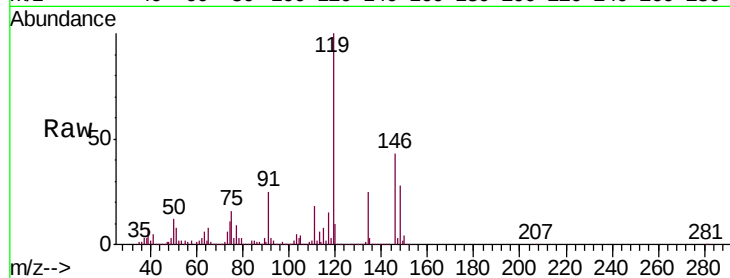
Tgt Ion:146 Resp: 1193770

Ion Ratio Lower Upper

146 100

111 41.2 20.1 60.2

148 63.8 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 141.085 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

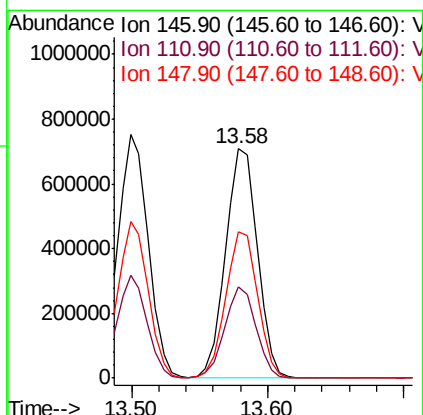
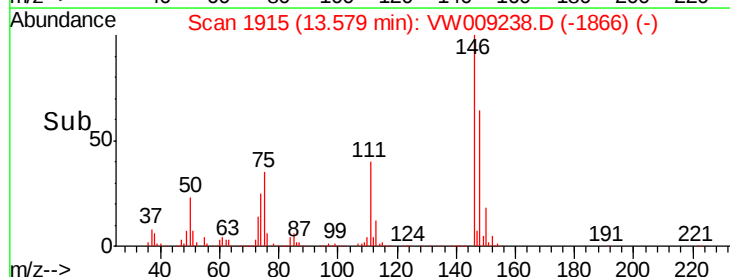
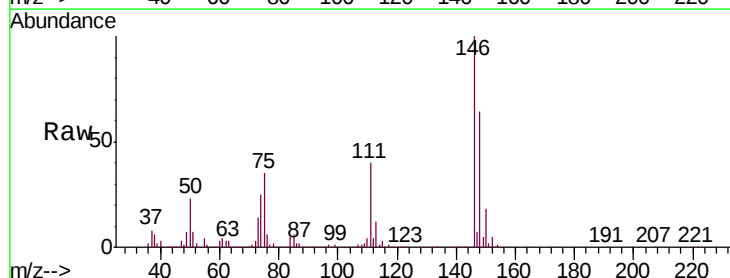
Tgt Ion:146 Resp: 1152978

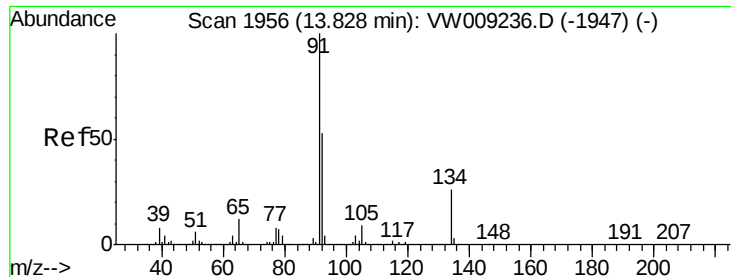
Ion Ratio Lower Upper

146 100

111 39.1 19.9 59.6

148 64.0 32.2 96.6





#89

n-Butylbenzene

Concen: 153.988 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009238.D

Acq: 19 Mar 2019 13:13

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

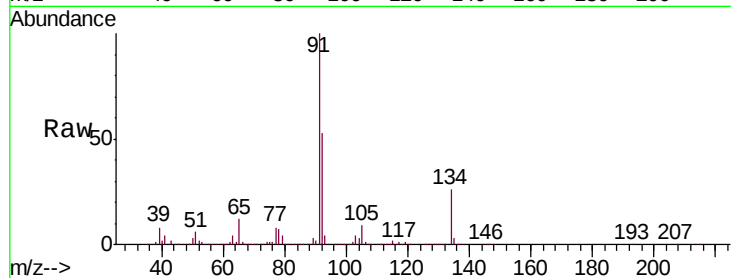
Tgt Ion: 91 Resp: 2366930

Ion Ratio Lower Upper

91 100

92 53.5 26.4 79.0

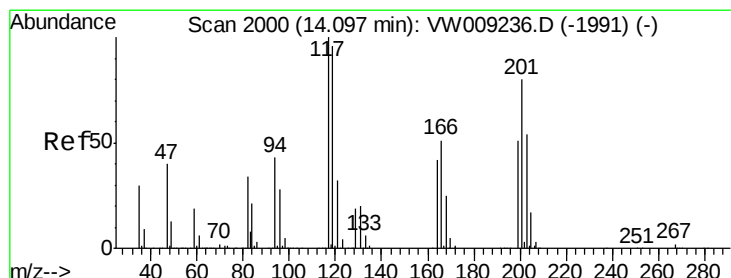
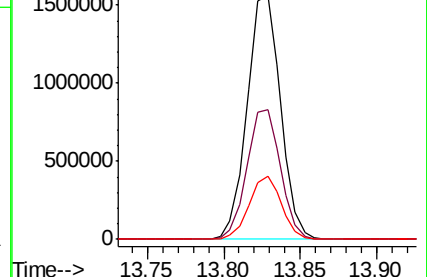
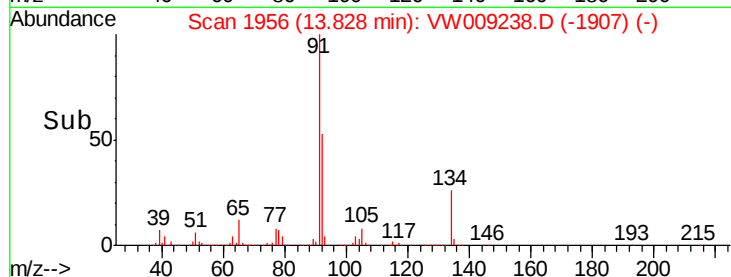
134 25.1 12.9 38.6



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: 147.898 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009238.D

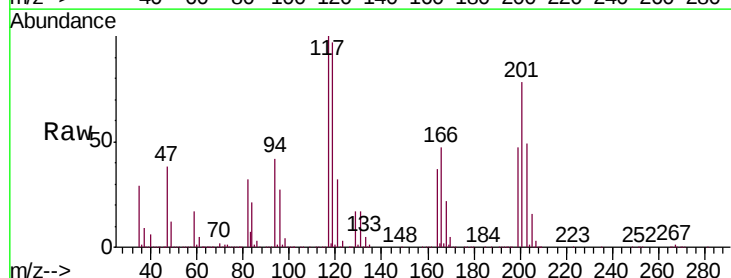
Acq: 19 Mar 2019 13:13

Tgt Ion: 117 Resp: 466928

Ion Ratio Lower Upper

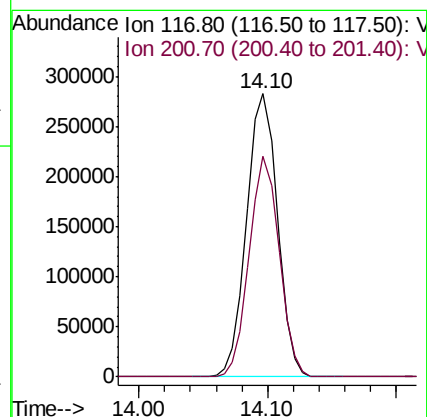
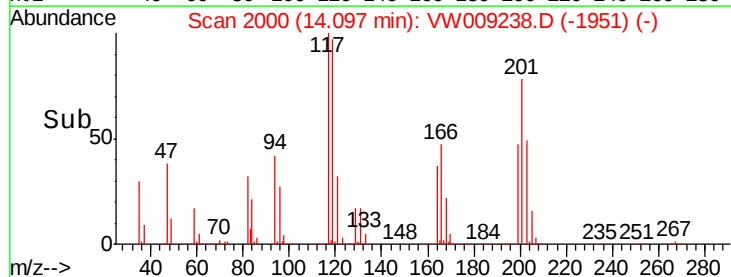
117 100

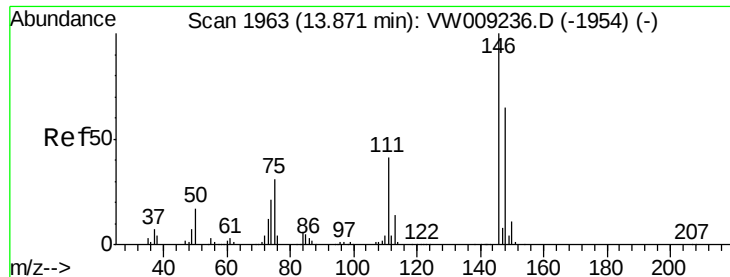
201 76.0 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

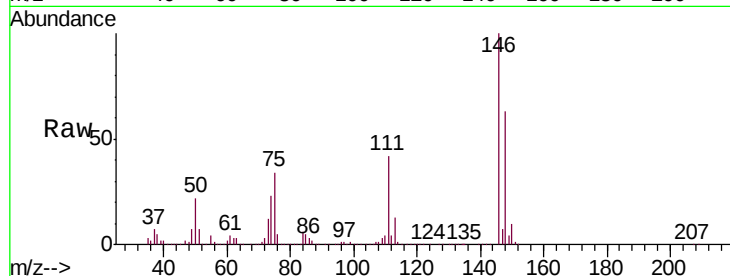




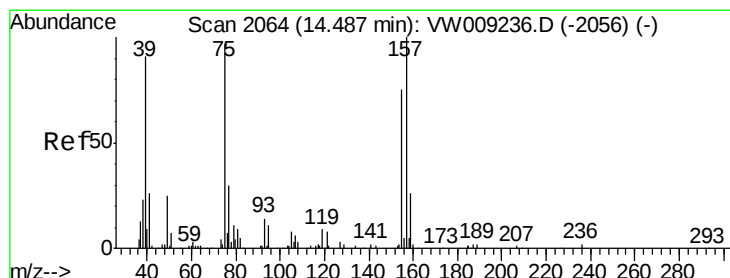
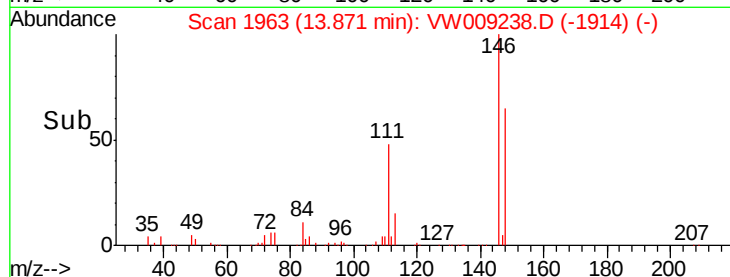
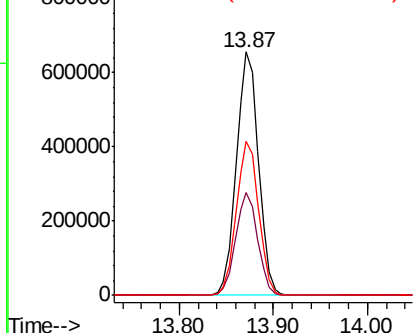
#91
 1,2-Dichlorobenzene
 Concen: 144.486 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1063389
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.4 61.2
 148 63.7 31.9 95.9

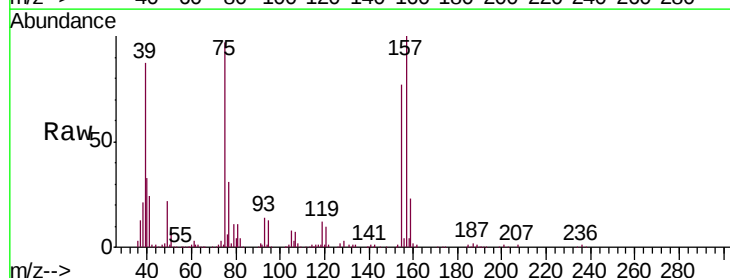


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

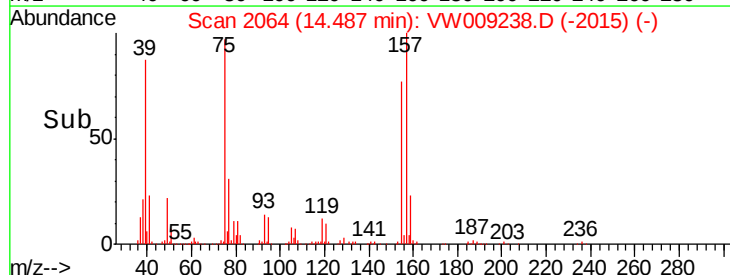
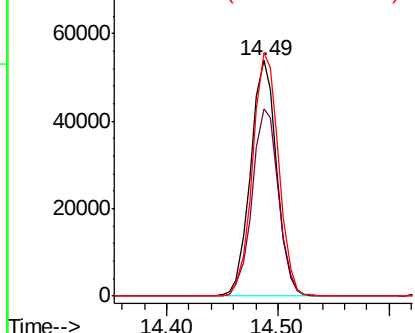


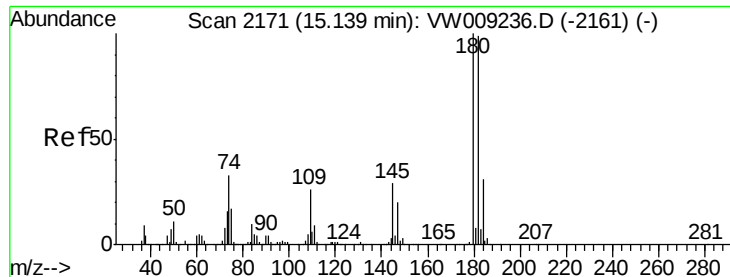
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 156.764 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion: 75 Resp: 87921
 Ion Ratio Lower Upper
 75 100
 155 80.2 39.3 117.8
 157 103.2 49.5 148.5



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

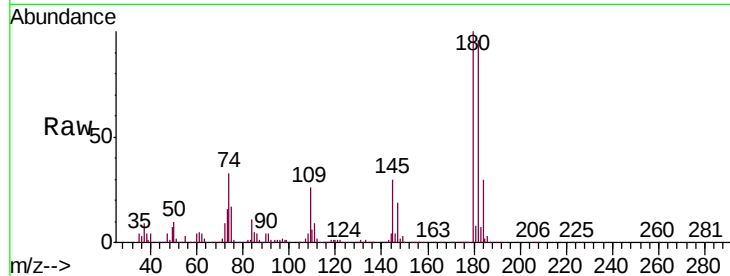




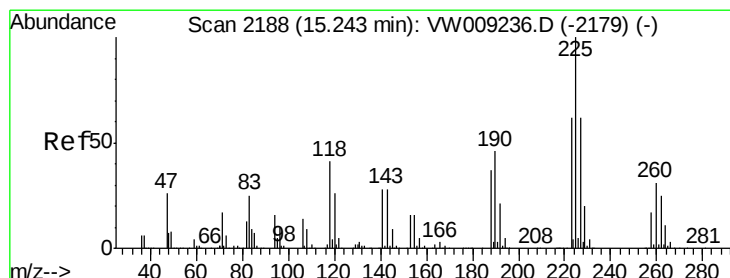
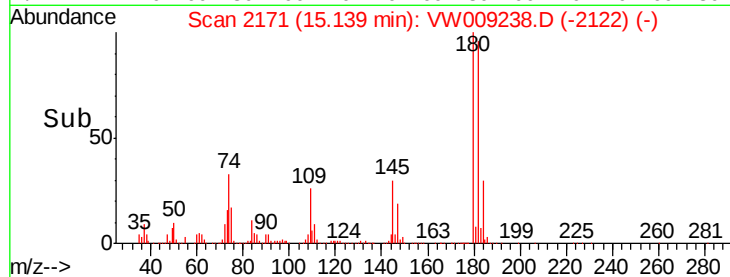
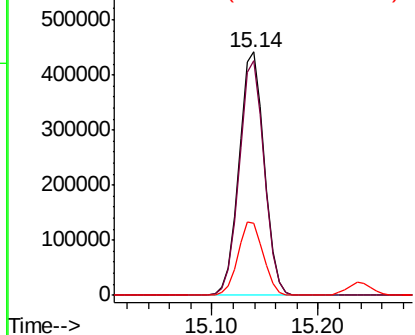
#93
 1,2,4-Trichlorobenzene
 Concen: 148.371 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	30.4	15.0	45.0

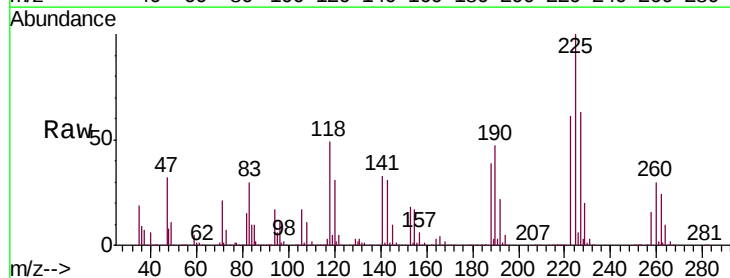


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

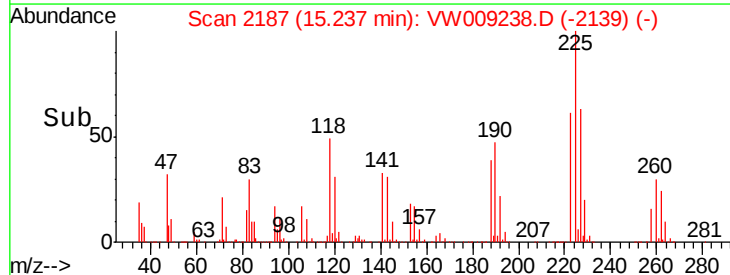
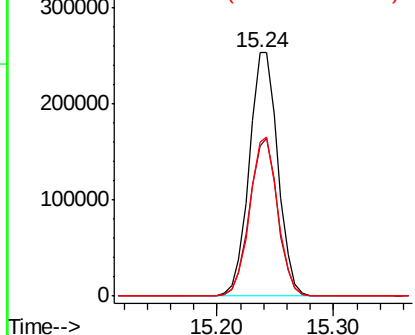


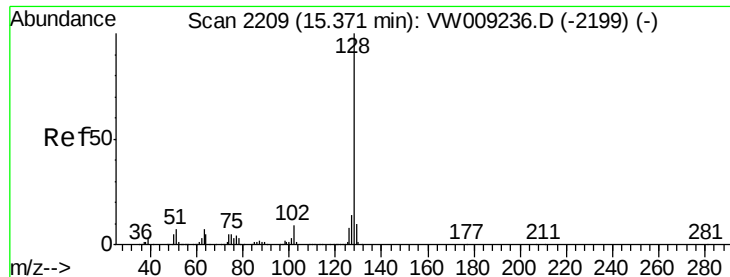
#94
 Hexachlorobutadiene
 Concen: 138.397 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009238.D
 Acq: 19 Mar 2019 13:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.3
227	63.4	32.1	96.5



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

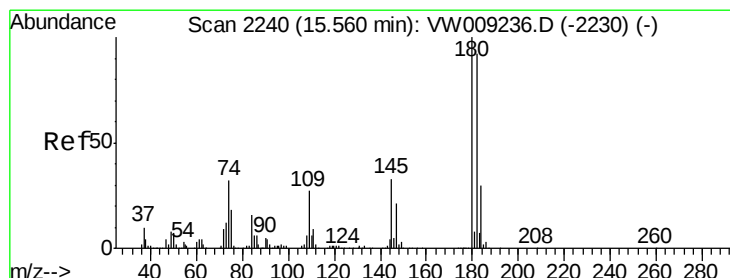
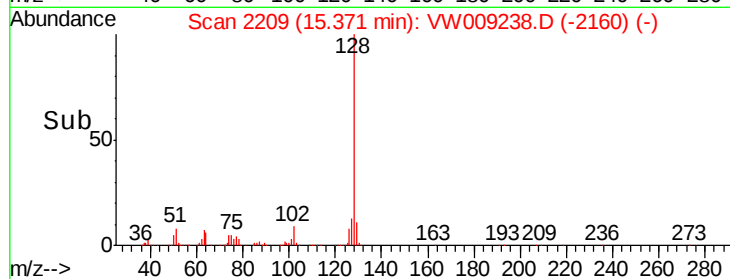
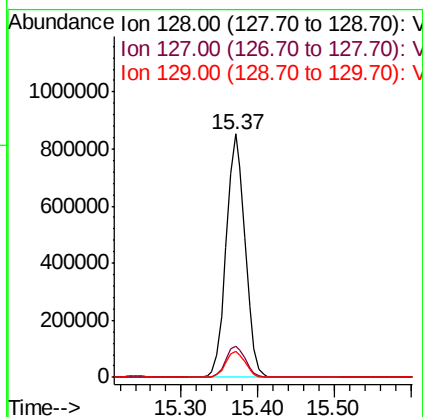
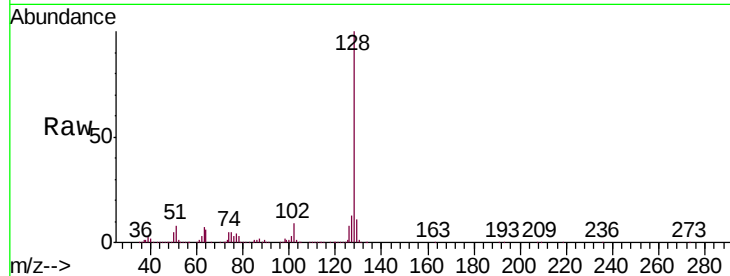




#95
Naphthalene
Concen: 169.425 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1450927
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 146.753 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009238.D
Acq: 19 Mar 2019 13:13

Tgt Ion:180 Resp: 647492
Ion Ratio Lower Upper
180 100
182 95.7 47.3 141.9
145 32.8 16.0 48.0

