

Data File : VW008328.D
Acq On : 17 Jan 2019 14:57
Operator : SY/VA
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Quant Time: Jan 18 00:33:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:24:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	120182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	190708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	176005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86119	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	178993	143.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.36%	
35) Dibromofluoromethane	7.88	113	182184	149.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.32%	
50) Toluene-d8	10.32	98	727573	152.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.26%	
62) 4-Bromofluorobenzene	12.62	95	252703	147.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	119985	158.445	ug/l	100
3) Chloromethane	2.22	50	168794	152.057	ug/l	95
4) Vinyl Chloride	2.37	62	203070	143.173	ug/l	92
5) Bromomethane	2.77	94	176512	164.215	ug/l	92
6) Chloroethane	2.92	64	150194	161.782	ug/l	95
7) Trichlorofluoromethane	3.26	101	173151	166.263	ug/l	98
8) Diethyl Ether	3.67	74	101572	140.650	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	183722	151.527	ug/l	98
10) Methyl Iodide	4.26	142	302857	154.877	ug/l	98
11) Tert butyl alcohol	5.18	59	58126	672.605	ug/l	99
12) 1,1-Dichloroethene	4.03	96	185705	150.593	ug/l	95
13) Acrolein	3.89	56	64266	865.764	ug/l	91
14) Allyl chloride	4.65	41	315556	153.067	ug/l	100
15) Acrylonitrile	5.36	53	206501	744.391	ug/l	99
16) Acetone	4.12	43	203479	700.843	ug/l	97
17) Carbon Disulfide	4.37	76	591519	157.639	ug/l	98
18) Methyl Acetate	4.67	43	105530	136.070	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	271504	143.827	ug/l	95
20) Methylene Chloride	4.90	84	192695	124.986	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	210969	152.322	ug/l	93
22) Diisopropyl ether	6.31	45	594947	147.818	ug/l	97
23) Vinyl Acetate	6.25	43	1712912	796.164	ug/l	99
24) 1,1-Dichloroethane	6.21	63	365741	149.243	ug/l	99
25) 2-Butanone	7.17	43	277247	745.564	ug/l	100
26) 2,2-Dichloropropane	7.16	77	211453	135.208	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	225597	150.338	ug/l	99
28) Bromochloromethane	7.51	49	148992	147.568	ug/l #	98
29) Tetrahydrofuran	7.52	42	172723	745.059	ug/l	99
30) Chloroform	7.67	83	364081	150.156	ug/l	97
31) Cyclohexane	7.95	56	334229	143.142	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	298100	146.491	ug/l	99
36) 1,1-Dichloropropene	8.08	75	295879	154.209	ug/l	99
37) Ethyl Acetate	7.26	43	118545	149.825	ug/l	98
38) Carbon Tetrachloride	8.06	117	290587	153.375	ug/l	96

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39) Methylcyclohexane	9.33	83	368237	161.347	ug/l	97
40) Benzene	8.32	78	828945	152.519	ug/l	98
41) Methacrylonitrile	7.48	41	64040	139.037	ug/l	90
42) 1,2-Dichloroethane	8.40	62	224470	147.699	ug/l	99
43) Isopropyl Acetate	8.42	43	234367	156.813	ug/l	99
44) Trichloroethene	9.09	130	231538	155.494	ug/l	99
45) 1,2-Dichloropropane	9.37	63	204190	151.246	ug/l	100
46) Dibromomethane	9.46	93	105025	149.261	ug/l	98
47) Bromodichloromethane	9.64	83	268010	154.417	ug/l	98
48) Methyl methacrylate	9.43	41	113371	161.136	ug/l	97
49) 1,4-Dioxane	9.45	88	33295	2939.404	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	590190	779.870	ug/l	100
52) Toluene	10.39	92	533580	155.133	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	274336	158.368	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	325936	159.611	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	146021	149.620	ug/l	96
56) Ethyl methacrylate	10.65	69	189806	165.602	ug/l	99
57) 1,3-Dichloropropane	10.93	76	258483	152.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	446585	807.778	ug/l	99
59) 2-Hexanone	10.97	43	430915	812.667	ug/l	100
60) Dibromochloromethane	11.13	129	185916	159.617	ug/l	99
61) 1,2-Dibromoethane	11.24	107	144710	153.125	ug/l	99
64) Tetrachloroethene	10.86	164	197144	159.745	ug/l	99
65) Chlorobenzene	11.66	112	581631	151.503	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	204461	154.742	ug/l	99
67) Ethyl Benzene	11.73	91	1042654	156.417	ug/l	99
68) m/p-Xylenes	11.84	106	801297	309.701	ug/l	99
69) o-Xylene	12.17	106	380812	157.540	ug/l	100
70) Styrene	12.18	104	612256	157.687	ug/l	99
71) Bromoform	12.35	173	107713	163.643	ug/l	97
73) Isopropylbenzene	12.47	105	1011796	161.246	ug/l	99
74) N-amyl acetate	12.27	43	222066	165.139	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	160766	150.627	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	219038	261.643	ug/l	27
77) Bromobenzene	12.75	156	240290	159.427	ug/l	99
78) n-propylbenzene	12.81	91	1215552	160.047	ug/l	99
79) 2-Chlorotoluene	12.90	91	675480	155.661	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	819281	156.465	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	52907	160.993	ug/l	98
82) 4-Chlorotoluene	12.99	91	693176	152.863	ug/l	99
83) tert-Butylbenzene	13.21	119	723435	156.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	837176	156.947	ug/l	99
85) sec-Butylbenzene	13.39	105	1041316	157.370	ug/l	98
86) p-Isopropyltoluene	13.51	119	918685	158.960	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	453141	151.315	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	452691	150.886	ug/l	99
89) n-Butylbenzene	13.83	91	874007	157.659	ug/l	100
90) Hexachloroethane	14.10	117	170304	159.232	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	402826	152.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25577	146.555	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011719\
Quantitation Report (Not Reviewed)

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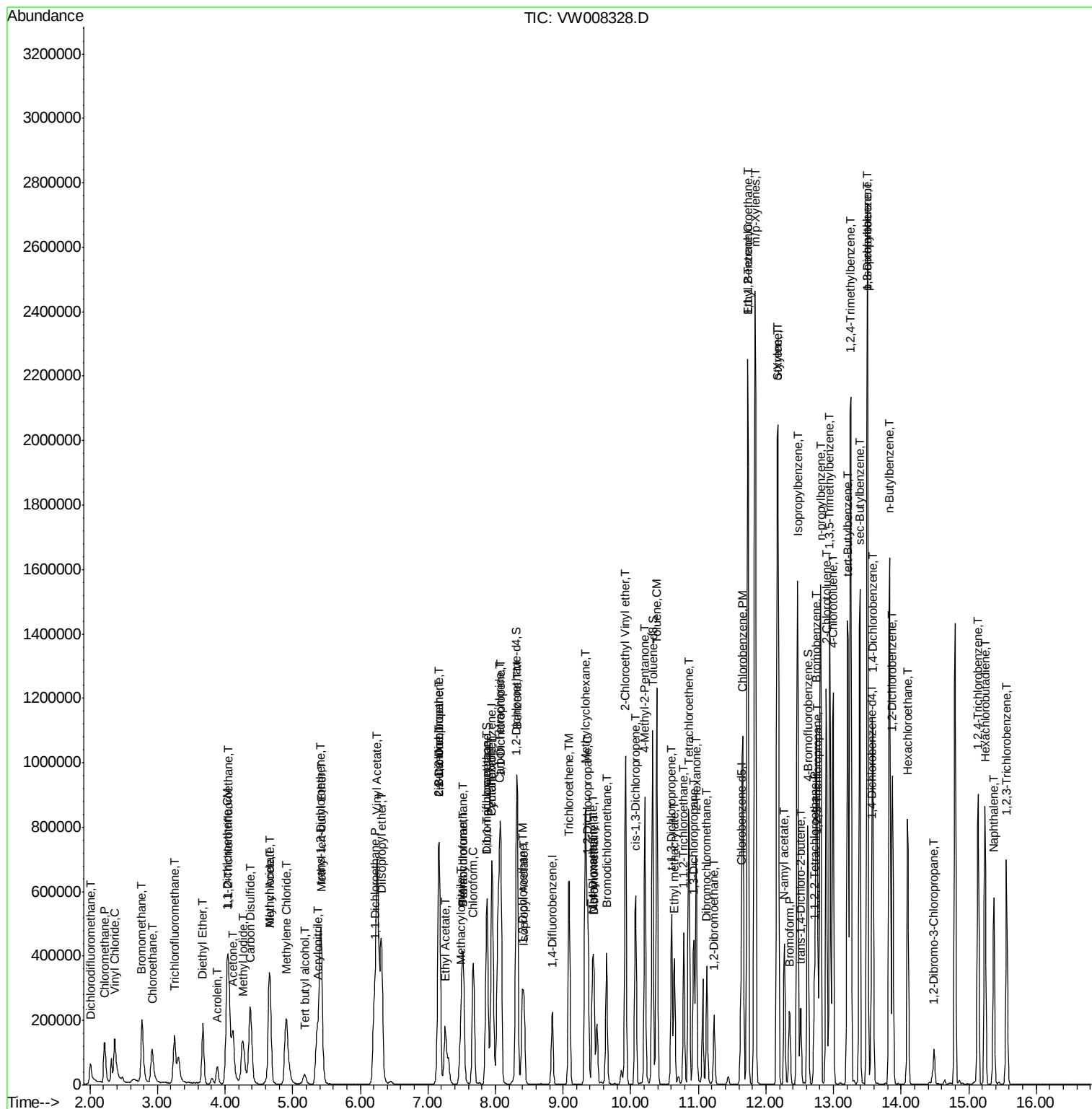
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	290993	162.582	ug/l	100
94) Hexachlorobutadiene	15.24	225	163982	162.565	ug/l	99
95) Naphthalene	15.37	128	508937	170.167	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	247914	159.024	ug/l	99

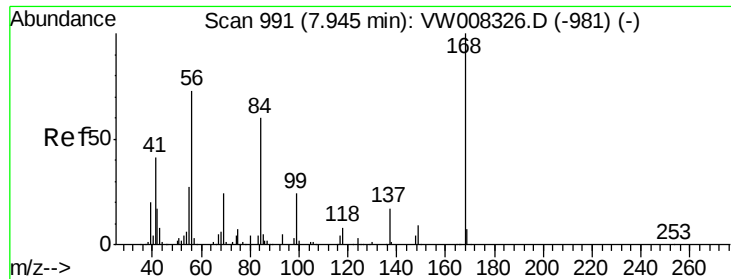
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

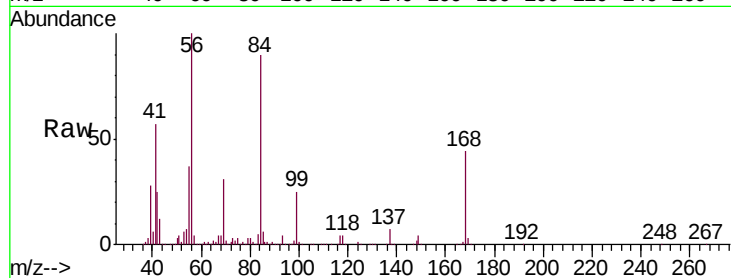
VSTDIC150

Tgt Ion:168 Resp: 120182

Ion Ratio Lower Upper

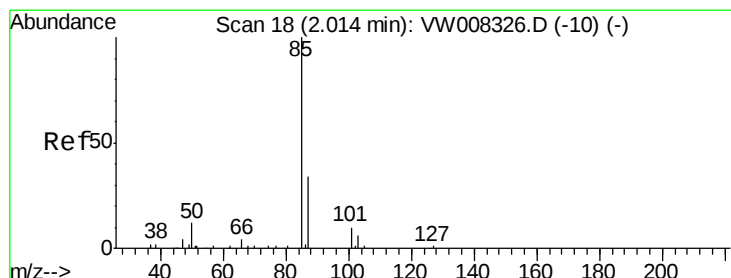
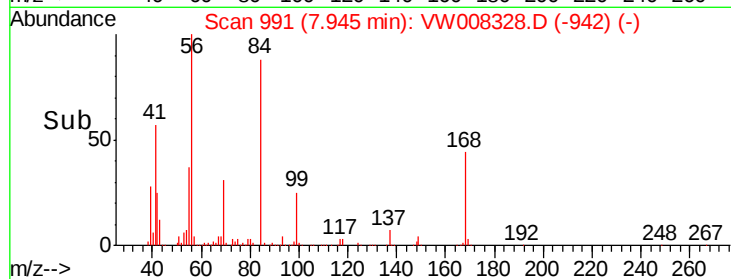
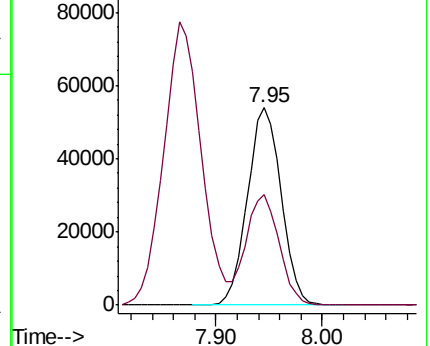
168 100

99 55.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 158.445 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008328.D

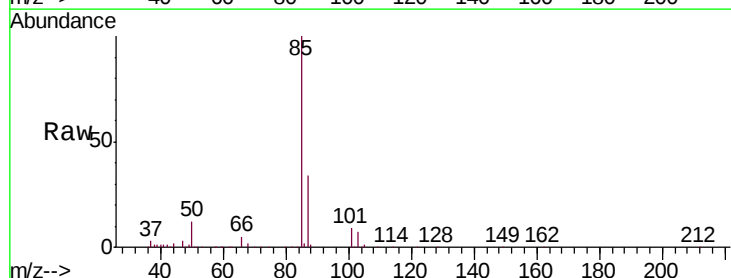
Acq: 17 Jan 2019 14:57

Tgt Ion: 85 Resp: 119985

Ion Ratio Lower Upper

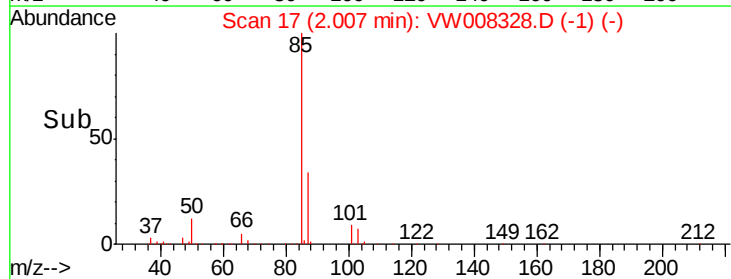
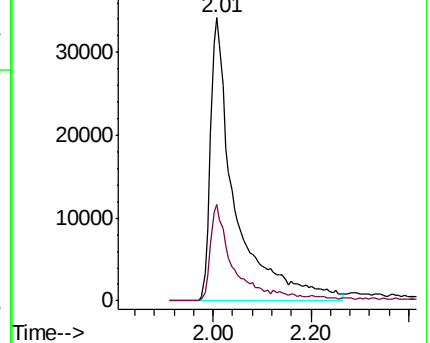
85 100

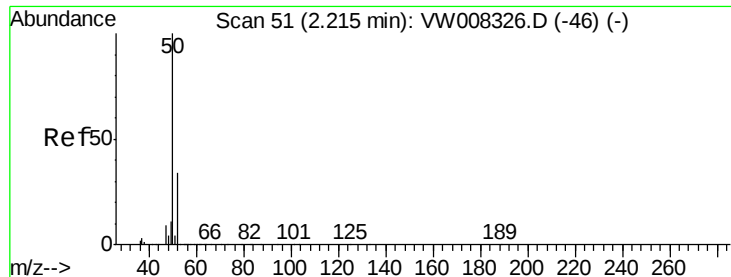
87 34.0 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 152.057 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

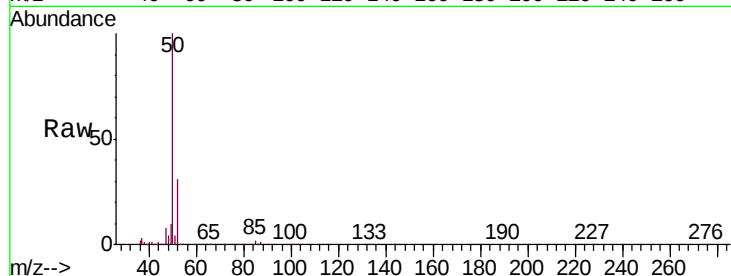
VSTDIC150

Tgt Ion: 50 Resp: 168794

Ion Ratio Lower Upper

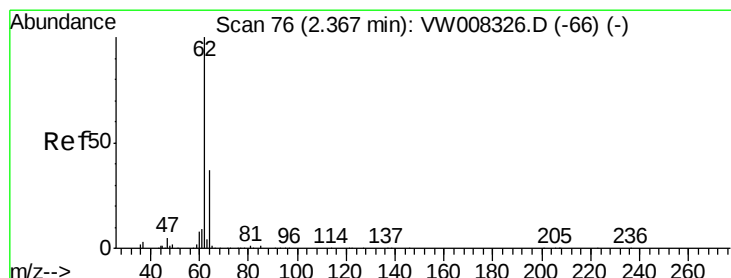
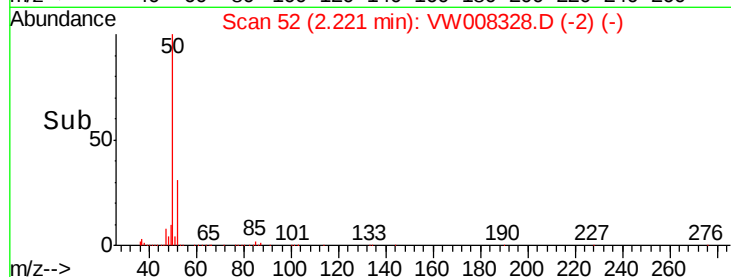
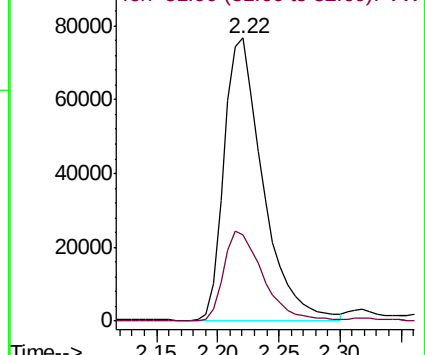
50 100

52 30.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 143.173 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008328.D

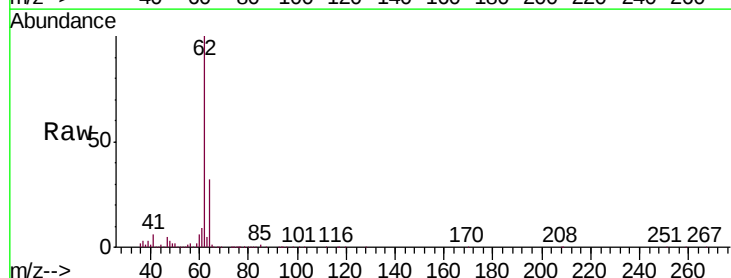
Acq: 17 Jan 2019 14:57

Tgt Ion: 62 Resp: 203070

Ion Ratio Lower Upper

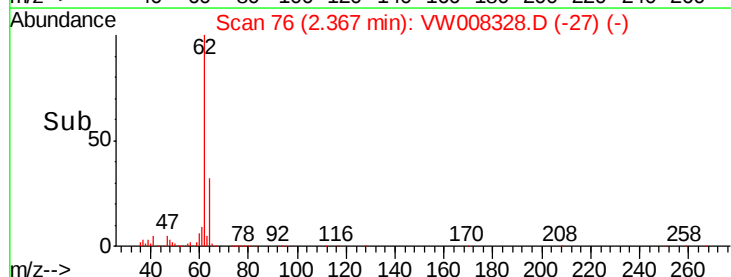
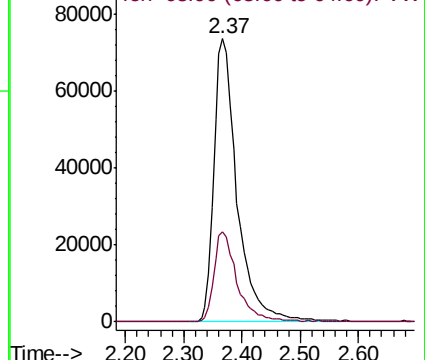
62 100

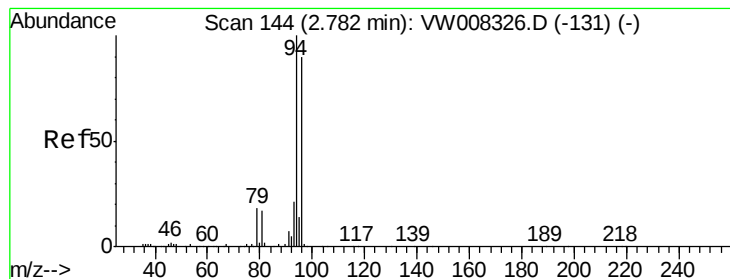
64 31.8 29.4 44.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 164.215 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

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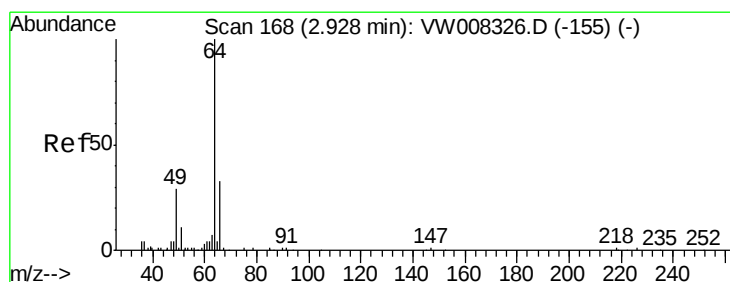
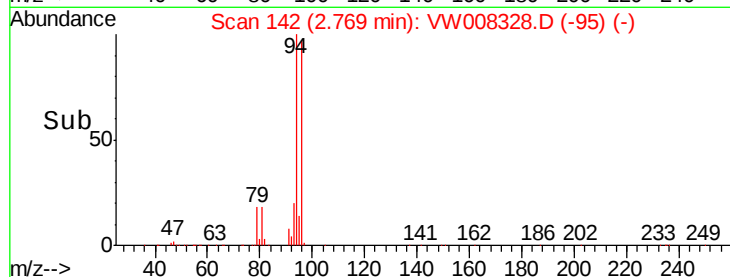
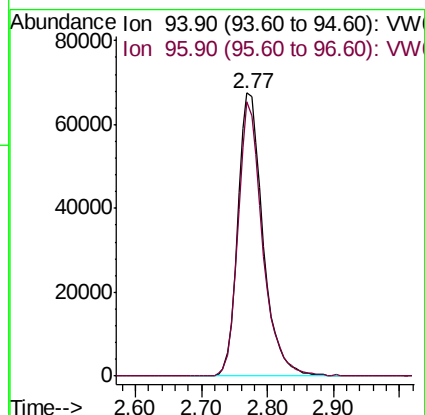
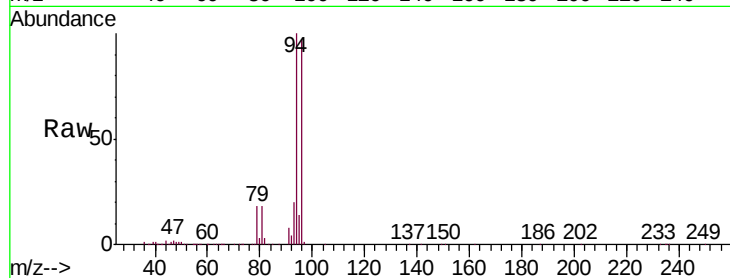
VSTDIC150

Tgt Ion: 94 Resp: 176512

Ion Ratio Lower Upper

94 100

96 96.9 71.4 107.0



#6

Chloroethane

Concen: 161.782 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008328.D

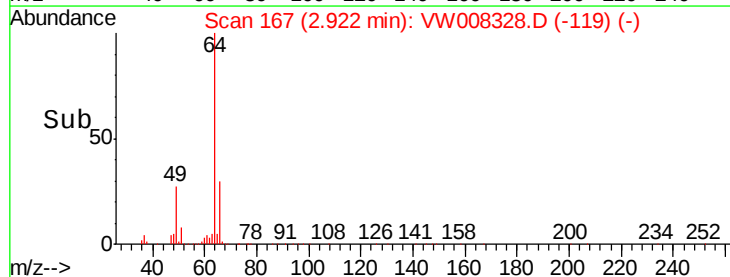
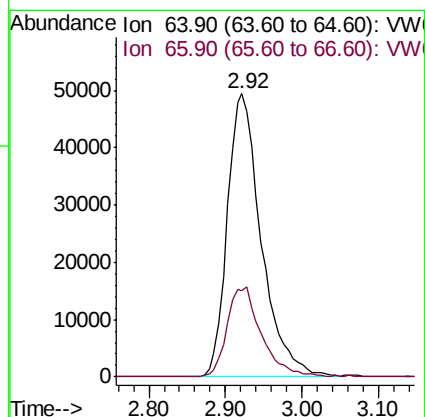
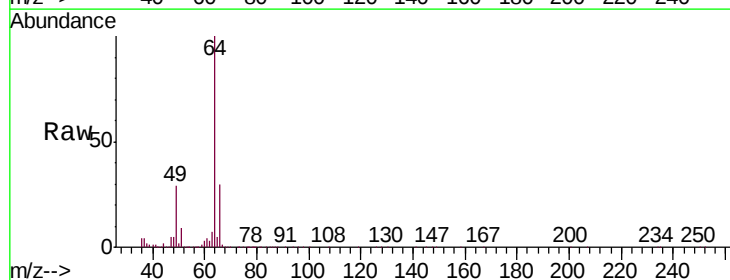
Acq: 17 Jan 2019 14:57

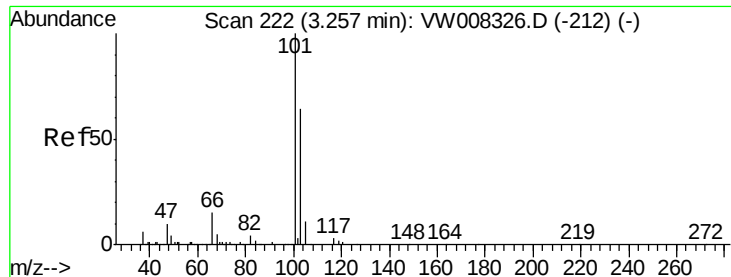
Tgt Ion: 64 Resp: 150194

Ion Ratio Lower Upper

64 100

66 30.2 26.2 39.4



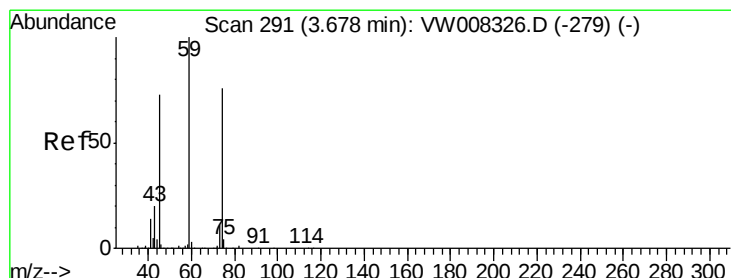
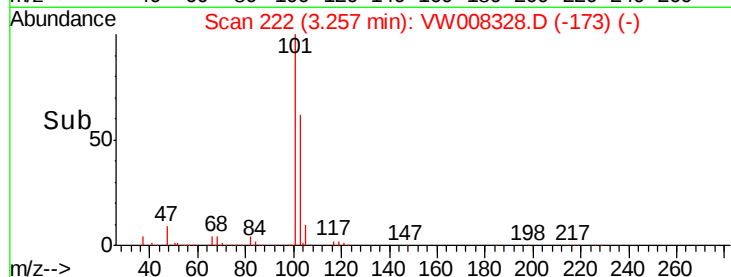
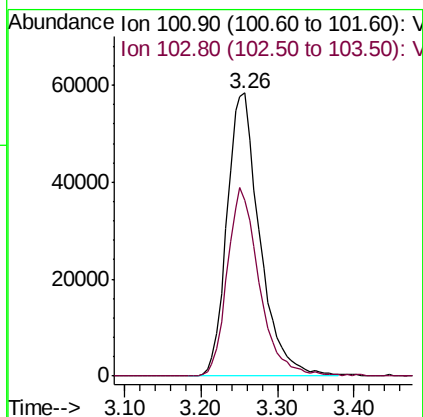
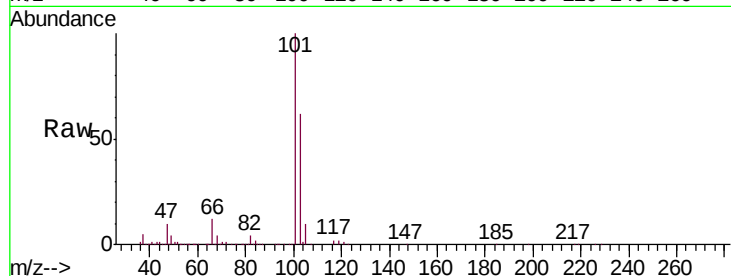


#7

Trichlorofluoromethane
 Concen: 166.263 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
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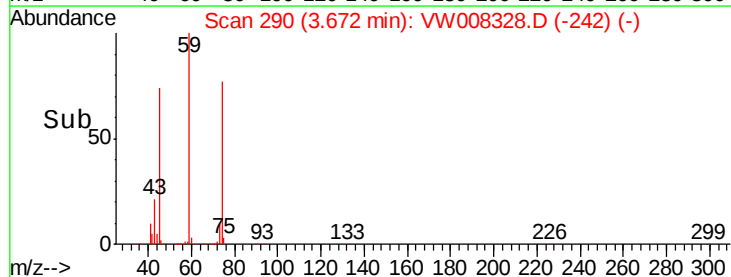
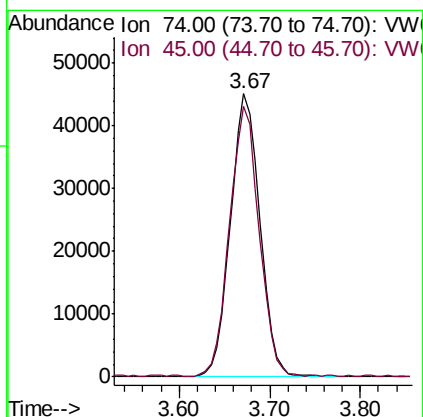
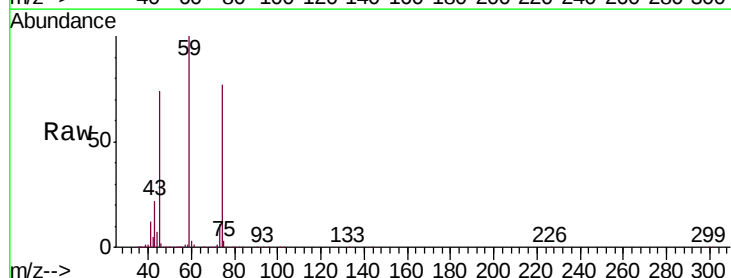
Tgt Ion:101 Resp: 173151
 Ion Ratio Lower Upper
 101 100
 103 62.0 50.9 76.3

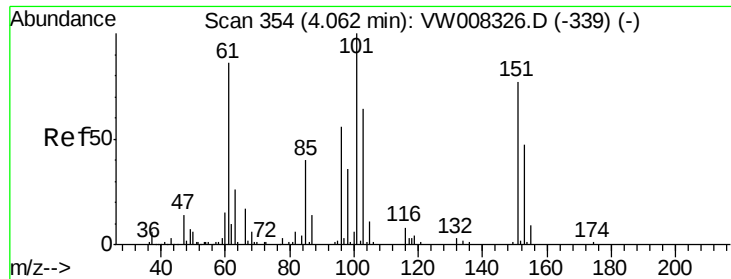


#8

Diethyl Ether
 Concen: 140.650 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 74 Resp: 101572
 Ion Ratio Lower Upper
 74 100
 45 95.4 50.1 150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.527 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

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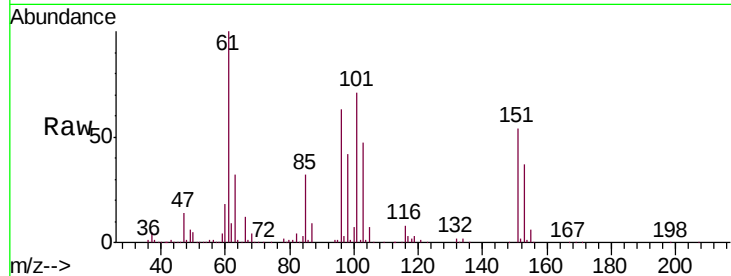
Tgt Ion:101 Resp: 183722

Ion Ratio Lower Upper

101 100

85 42.8 36.0 54.0

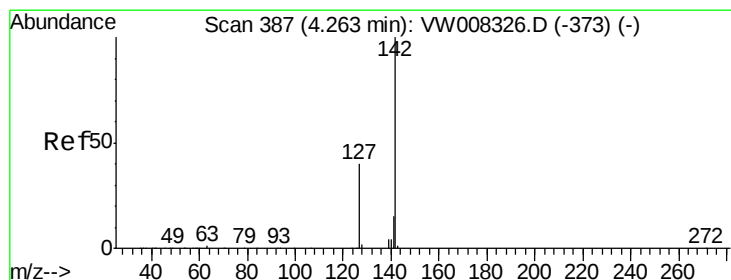
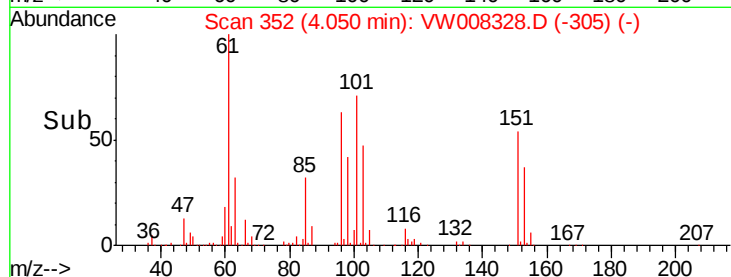
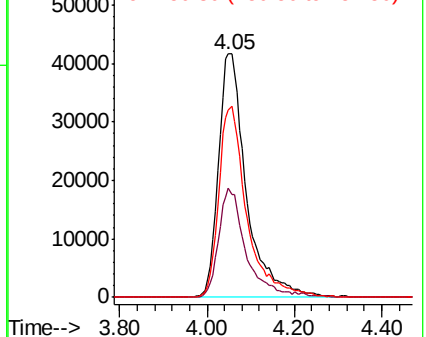
151 78.7 62.3 93.5



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: 154.877 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

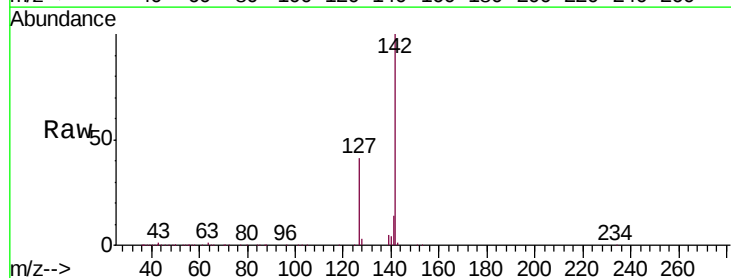
Tgt Ion:142 Resp: 302857

Ion Ratio Lower Upper

142 100

127 41.8 34.3 51.5

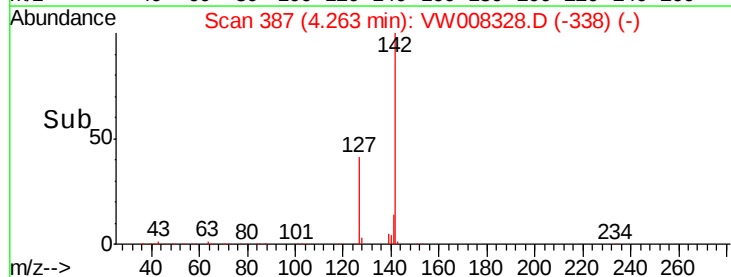
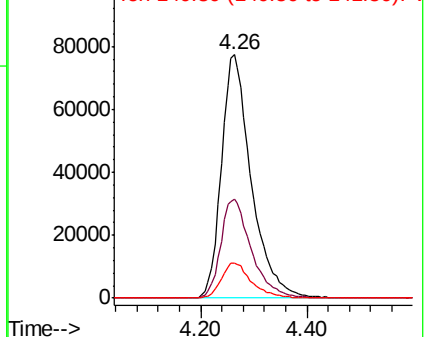
141 14.7 12.2 18.2

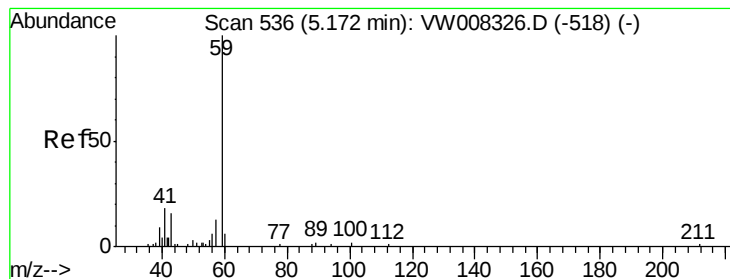


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



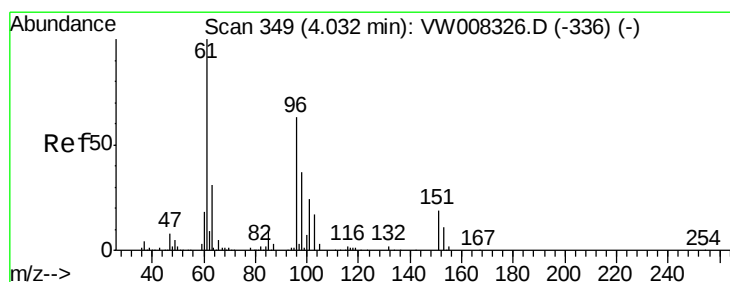
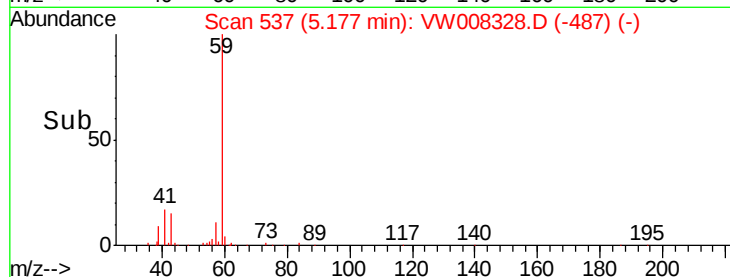
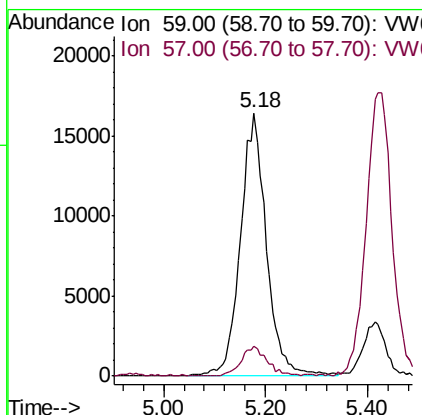
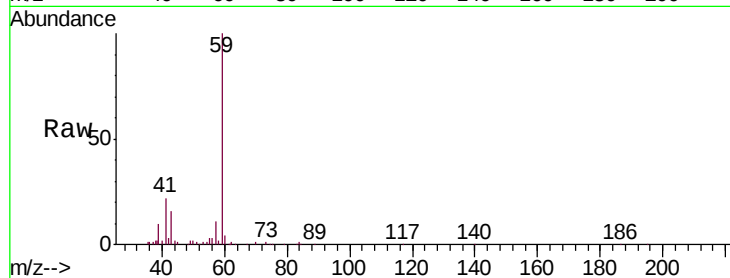


#11

Tert butyl alcohol
Concen: 672.605 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

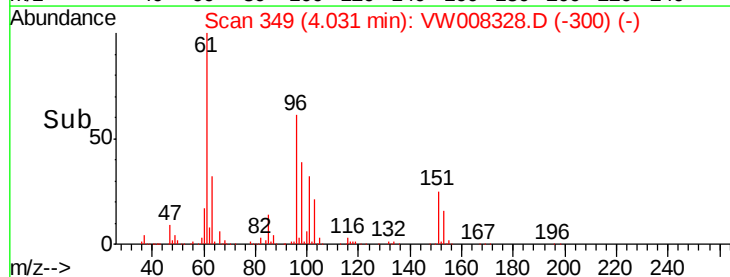
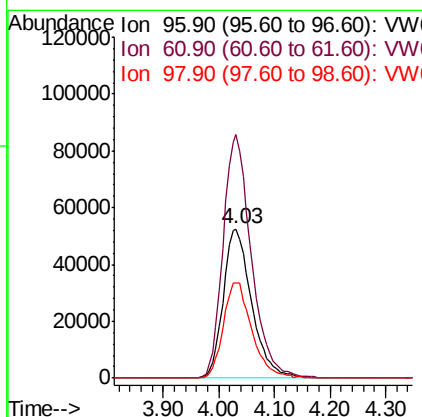
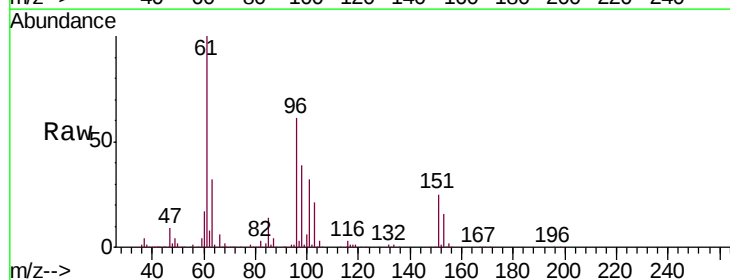
Tgt Ion: 59 Resp: 58126
Ion Ratio Lower Upper
59 100
57 11.4 9.4 14.2

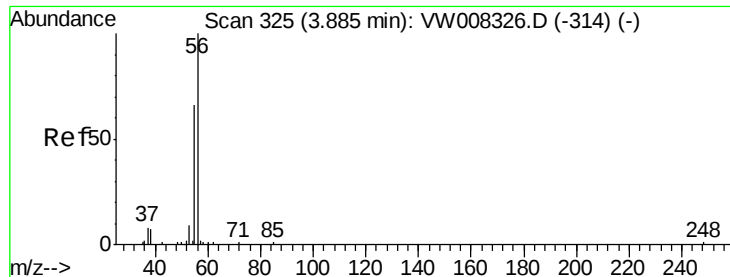


#12

1,1-Dichloroethene
Concen: 150.593 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 96 Resp: 185705
Ion Ratio Lower Upper
96 100
61 163.5 126.4 189.6
98 63.7 46.7 70.1





#13

Acrolein

Concen: 865.764 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

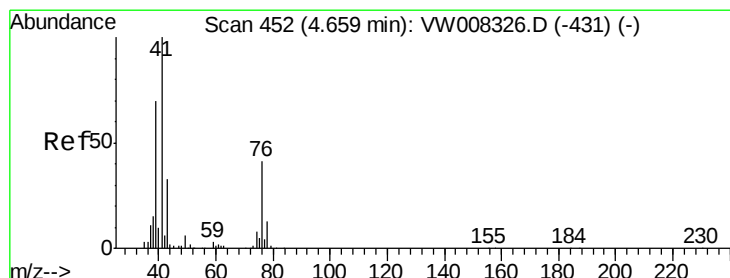
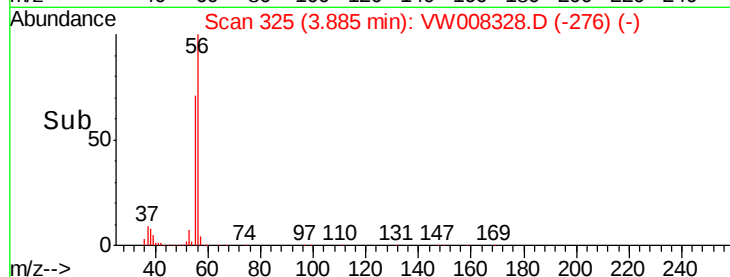
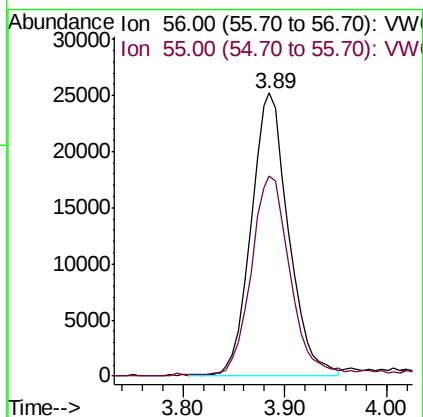
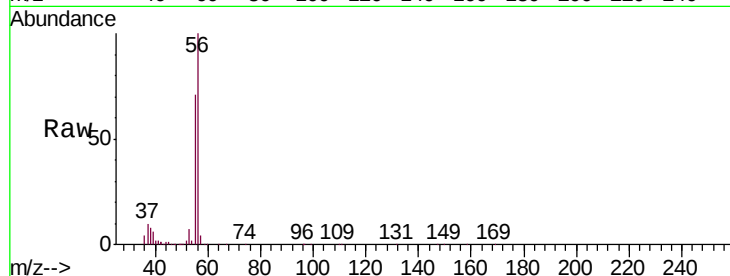
VSTDIC150

Tgt Ion: 56 Resp: 64266

Ion Ratio Lower Upper

56 100

55 73.1 52.9 79.3



#14

Allyl chloride

Concen: 153.067 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

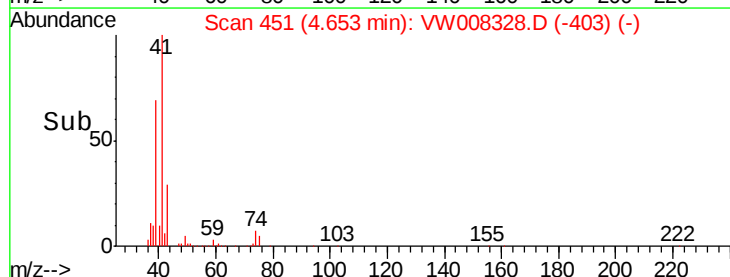
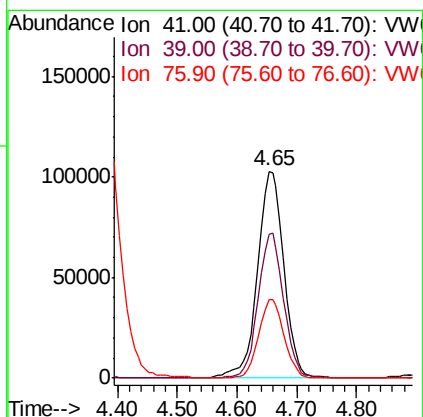
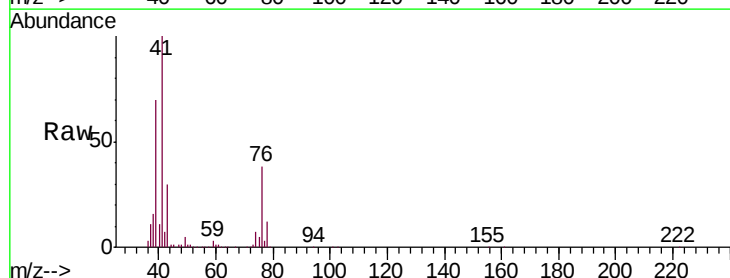
Tgt Ion: 41 Resp: 315556

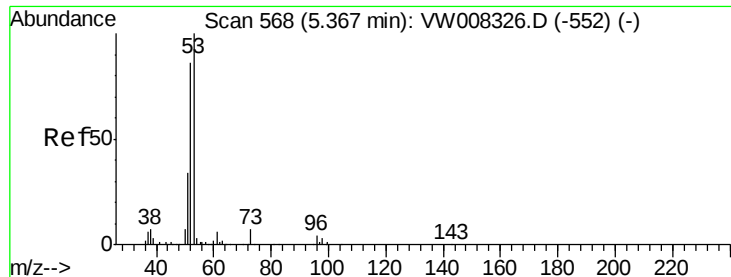
Ion Ratio Lower Upper

41 100

39 67.6 54.1 81.1

76 36.4 29.5 44.3





#15

Acrylonitrile

Concen: 744.391 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

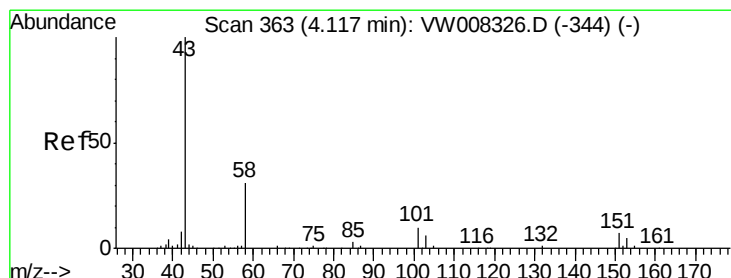
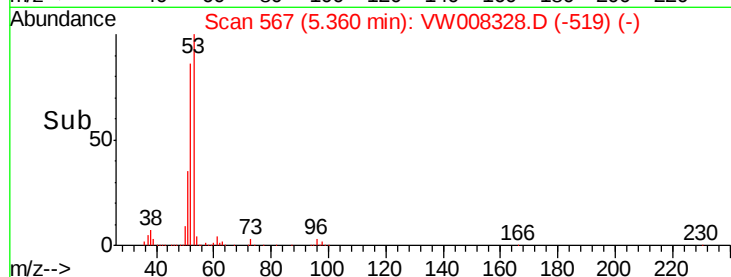
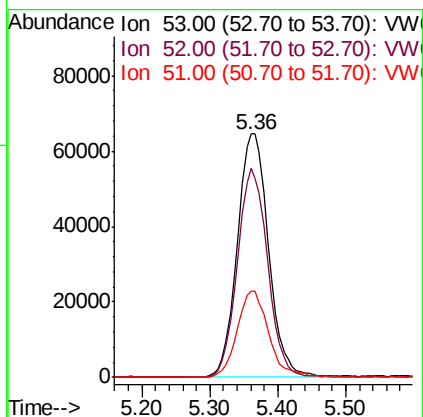
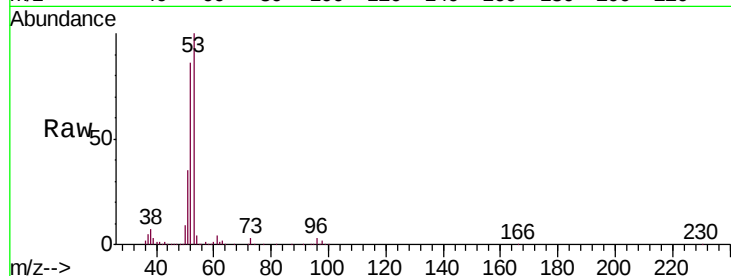
Tgt Ion: 53 Resp: 206501

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

51 35.9 29.6 44.4



#16

Acetone

Concen: 700.843 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008328.D

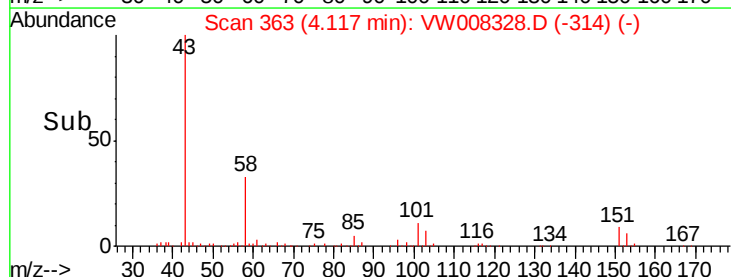
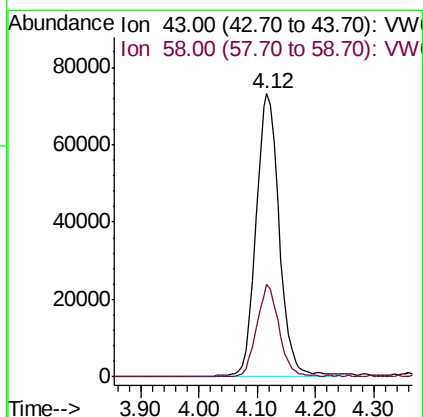
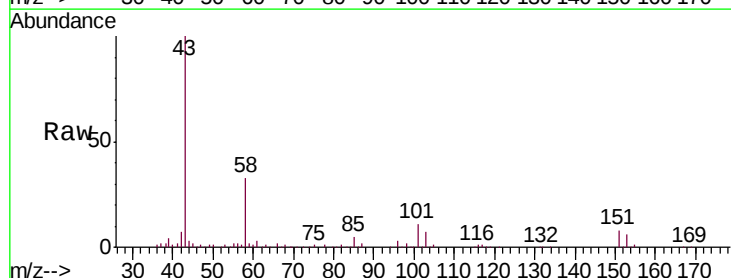
Acq: 17 Jan 2019 14:57

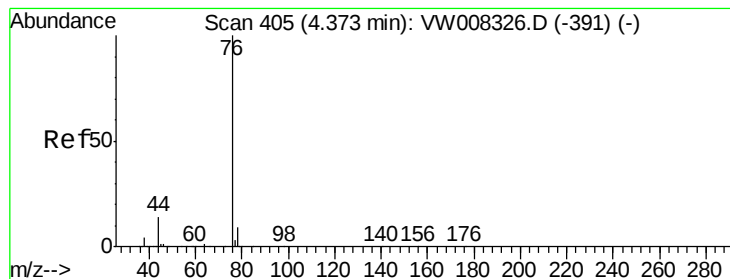
Tgt Ion: 43 Resp: 203479

Ion Ratio Lower Upper

43 100

58 32.7 24.7 37.1





#17

Carbon Disulfide

Concen: 157.639 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

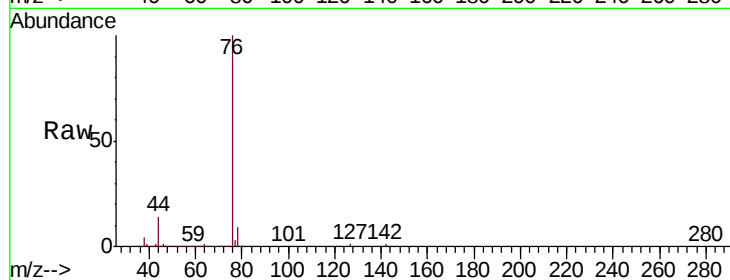
VSTDIC150

Tgt Ion: 76 Resp: 591519

Ion Ratio Lower Upper

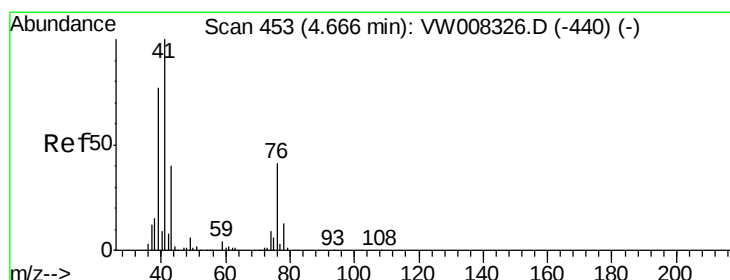
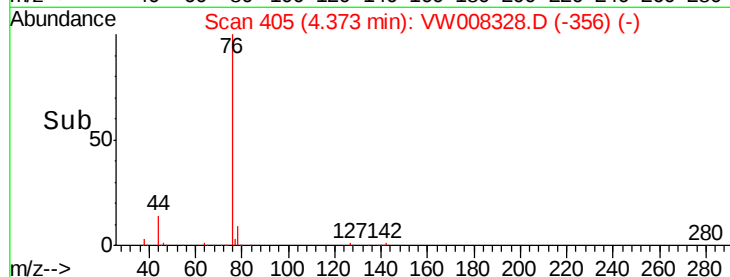
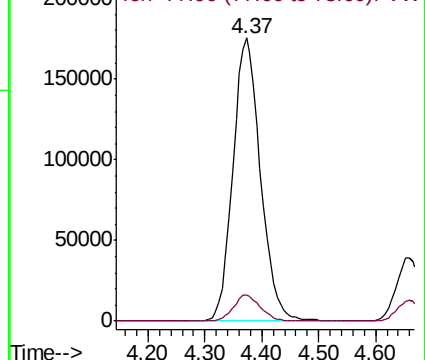
76 100

78 9.4 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 136.070 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008328.D

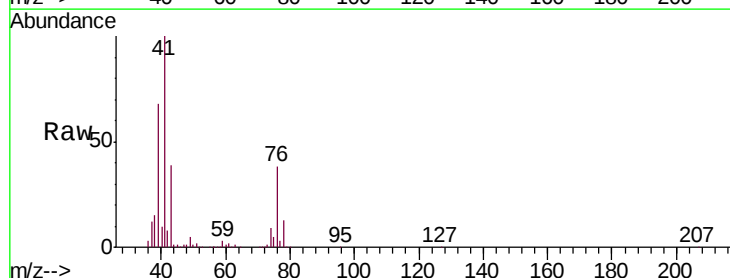
Acq: 17 Jan 2019 14:57

Tgt Ion: 43 Resp: 105530

Ion Ratio Lower Upper

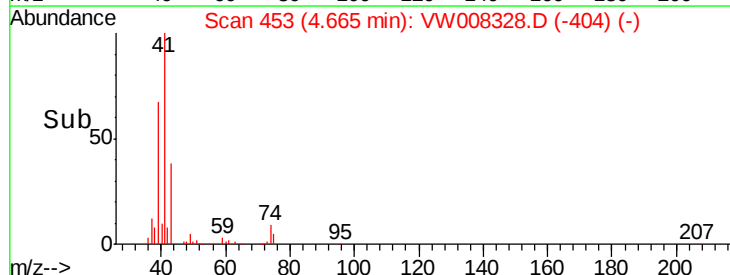
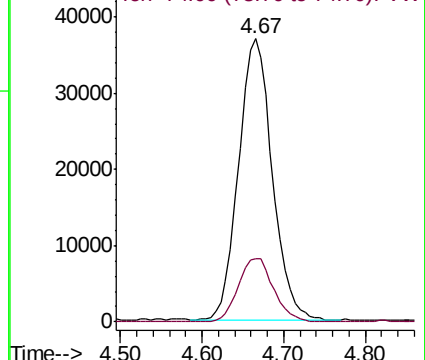
43 100

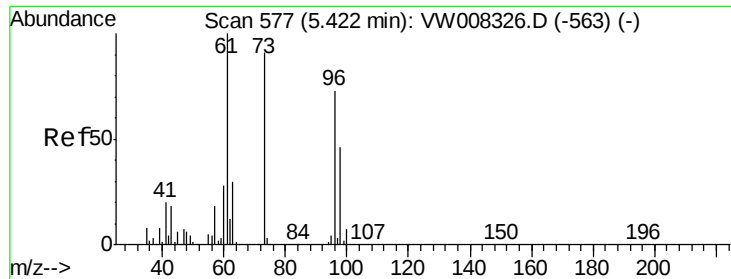
74 23.8 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

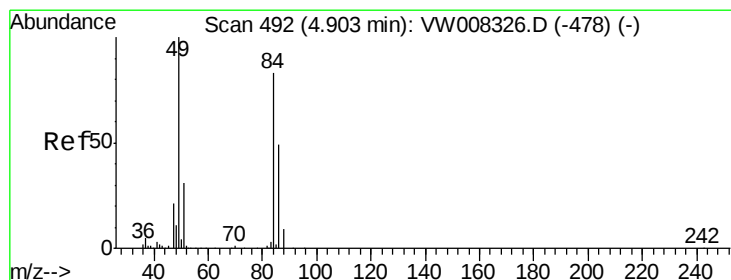
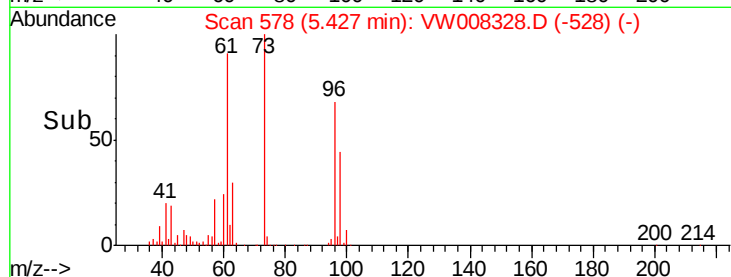
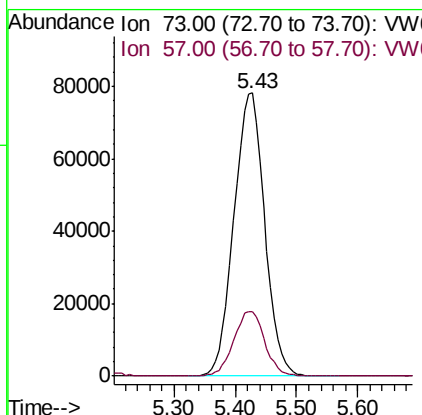
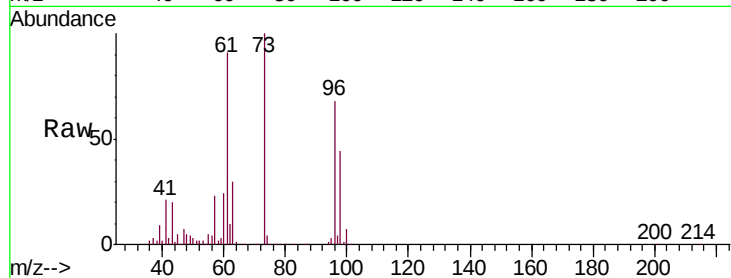




#19
Methyl tert-butyl Ether
Concen: 143.827 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

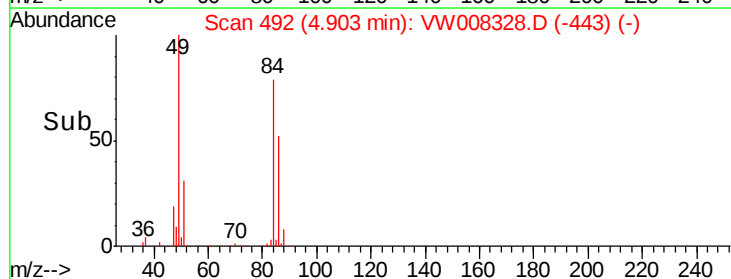
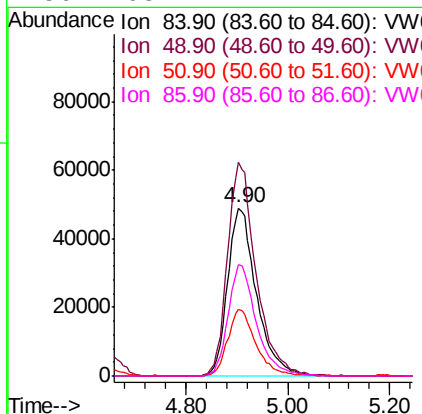
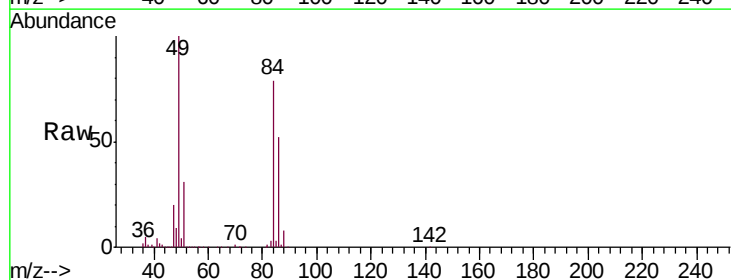
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

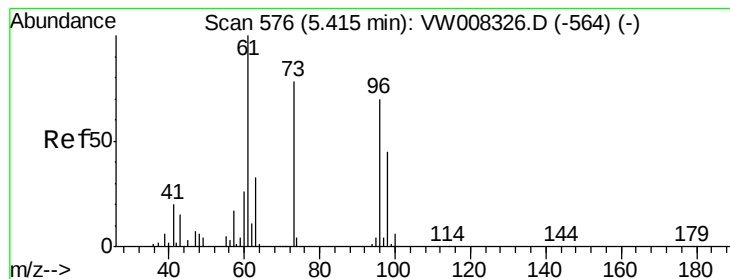
Tgt Ion: 73 Resp: 271504
Ion Ratio Lower Upper
73 100
57 22.6 16.3 24.5



#20
Methylene Chloride
Concen: 124.986 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 84 Resp: 192695
Ion Ratio Lower Upper
84 100
49 126.9 95.9 143.9
51 39.3 29.3 43.9
86 65.7 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 152.322 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

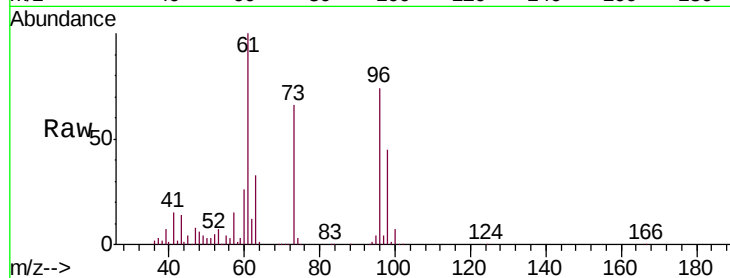
Tgt Ion: 96 Resp: 210969

Ion Ratio Lower Upper

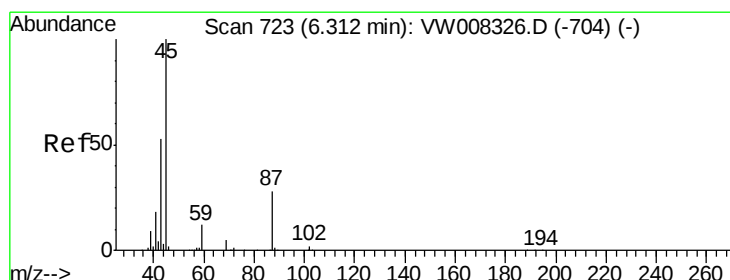
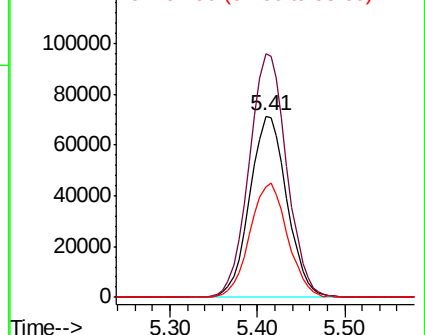
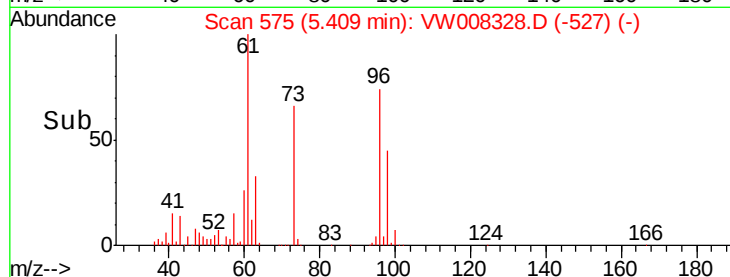
96 100

61 134.2 114.5 171.7

98 60.7 52.0 78.0



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: 147.818 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion: 45 Resp: 594947

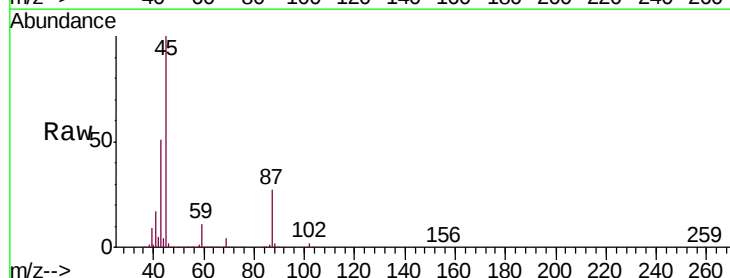
Ion Ratio Lower Upper

45 100

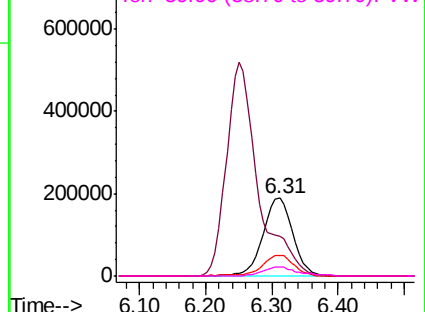
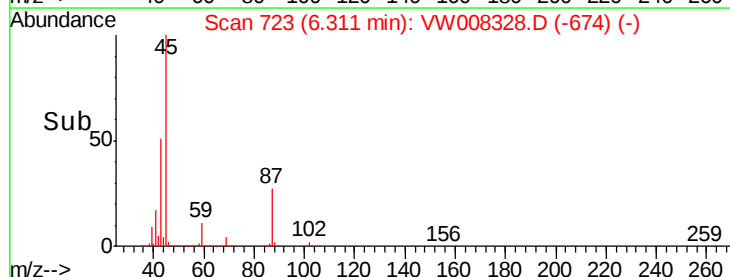
43 50.9 42.5 63.7

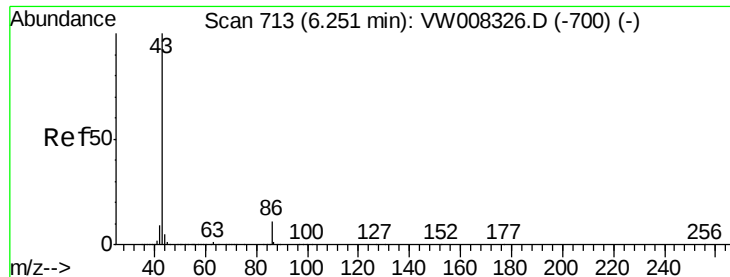
87 27.0 22.2 33.2

59 10.9 9.7 14.5



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: 796.164 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

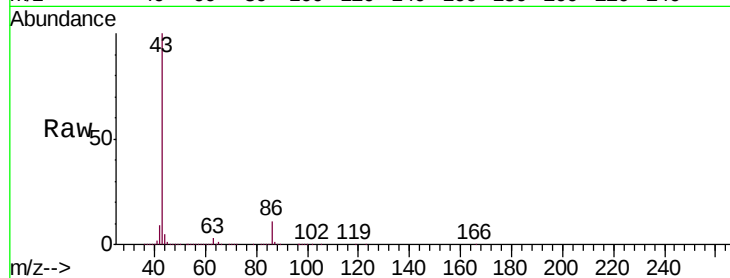
VSTDIC150

Tgt Ion: 43 Resp: 1712912

Ion Ratio Lower Upper

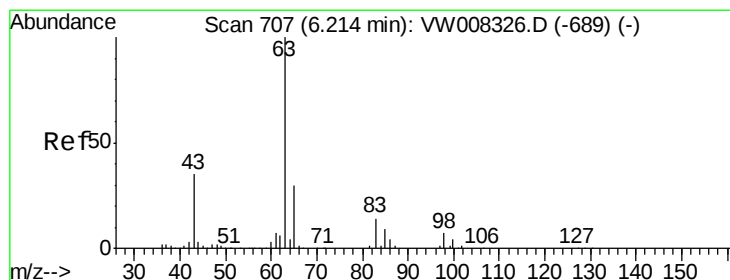
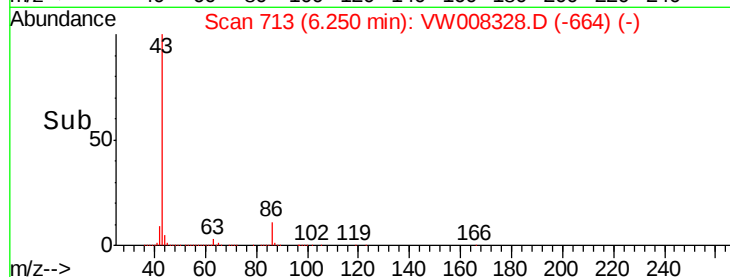
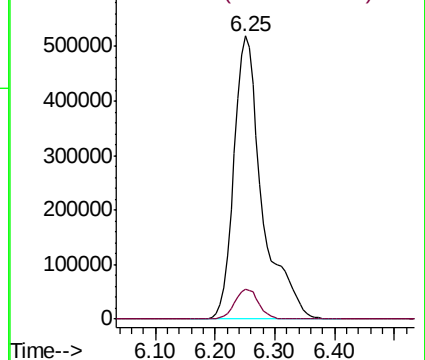
43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 149.243 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

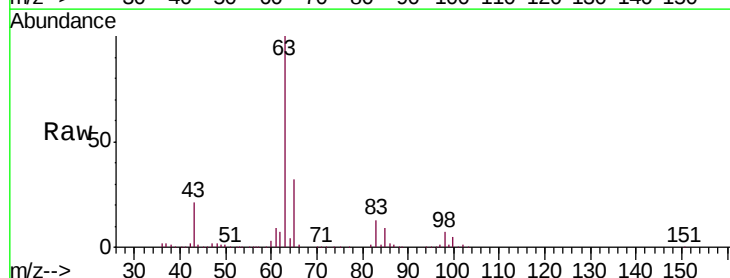
Tgt Ion: 63 Resp: 365741

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.6

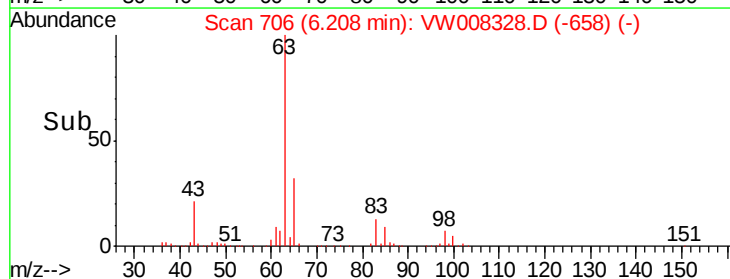
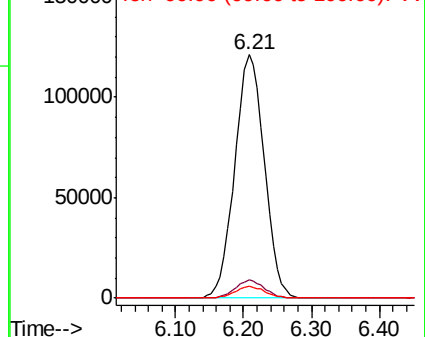
100 4.8 2.1 6.3

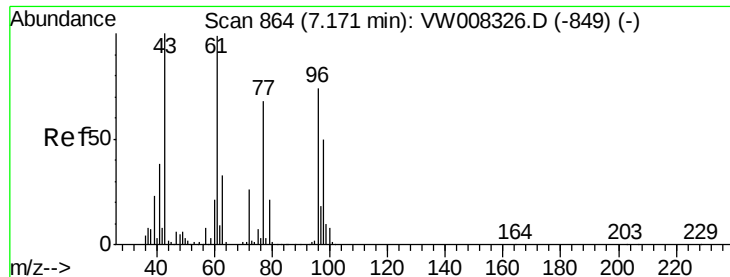


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 745.564 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

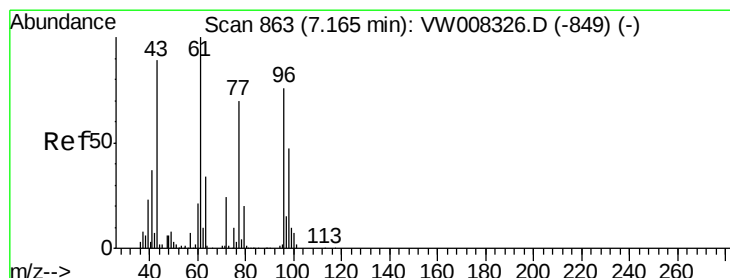
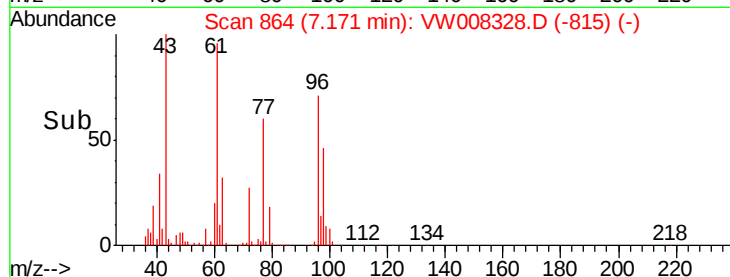
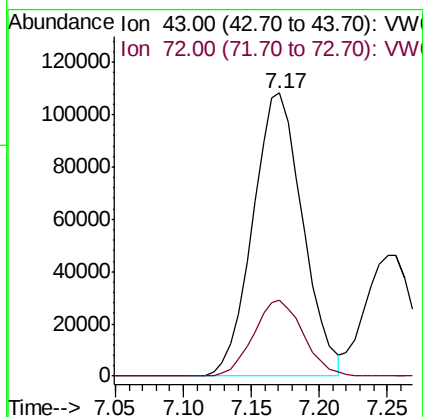
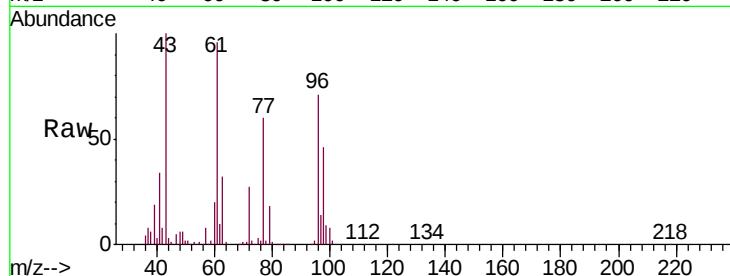
VSTDIC150

Tgt Ion: 43 Resp: 277247

Ion Ratio Lower Upper

43 100

72 26.7 21.2 31.8



#26

2,2-Dichloropropane

Concen: 135.208 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008328.D

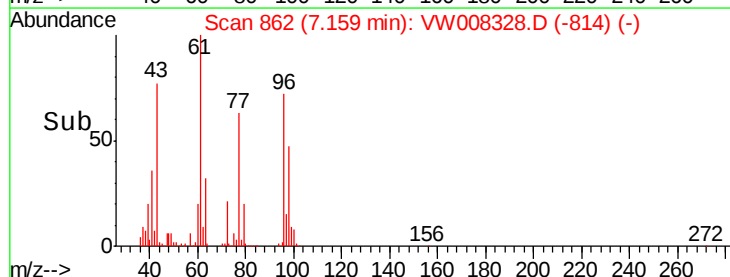
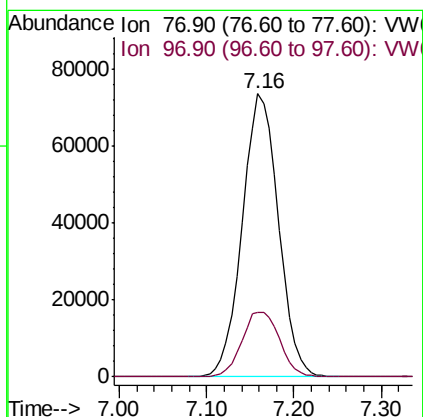
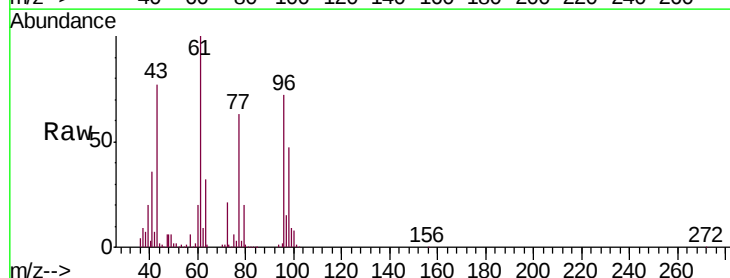
Acq: 17 Jan 2019 14:57

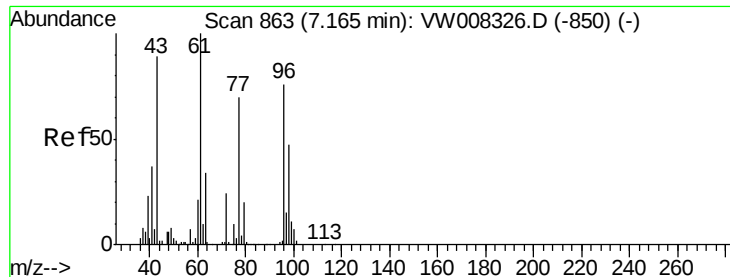
Tgt Ion: 77 Resp: 211453

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.1



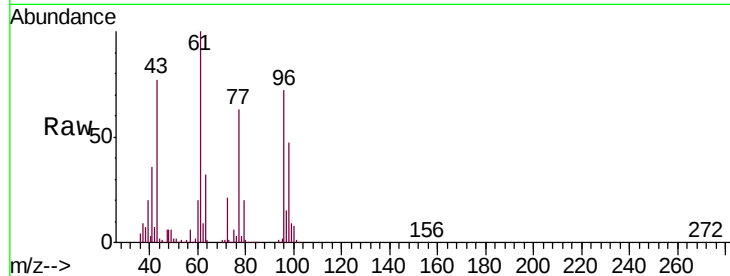


#27

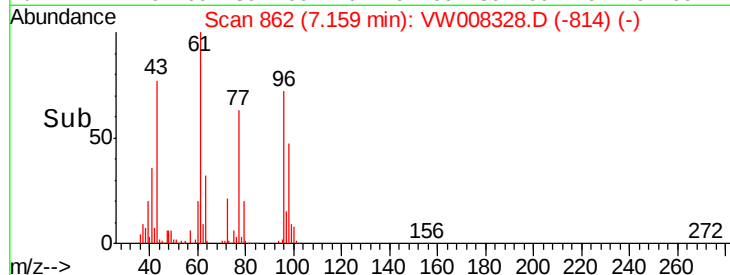
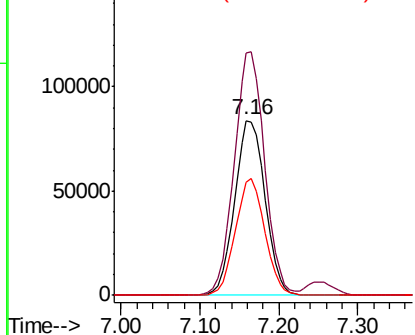
cis-1,2-Dichloroethene
Concen: 150.338 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 225597
Ion Ratio Lower Upper
96 100
61 138.5 0.0 272.2
98 64.6 0.0 129.4



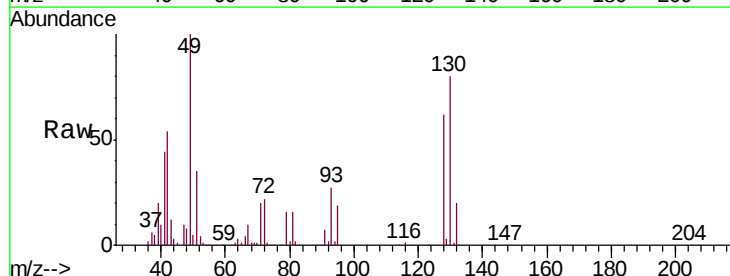
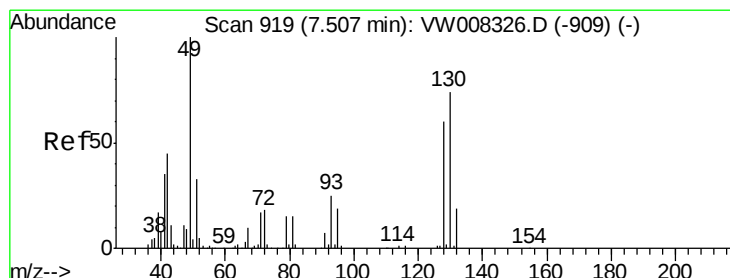
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



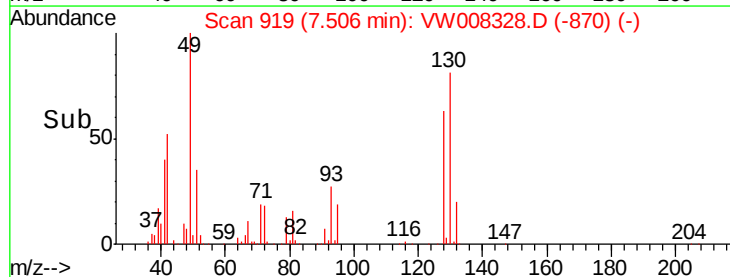
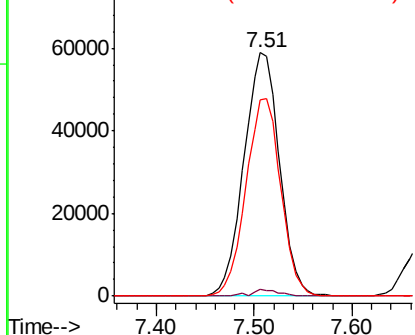
#28

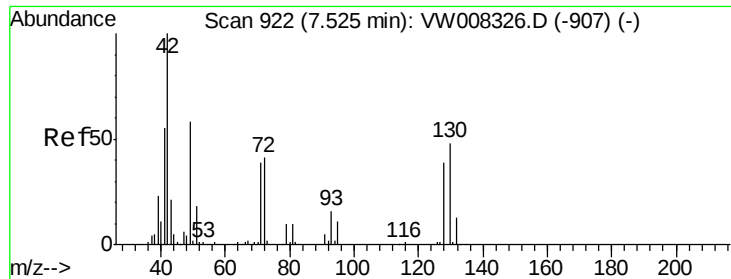
Bromochloromethane
Concen: 147.568 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 49 Resp: 148992
Ion Ratio Lower Upper
49 100
129 2.2 0.0 2.6
130 79.4 0.0 0.0#



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

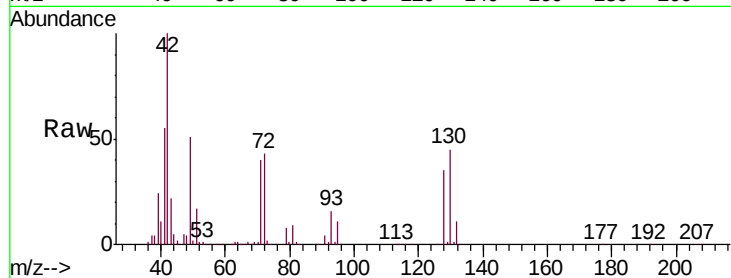




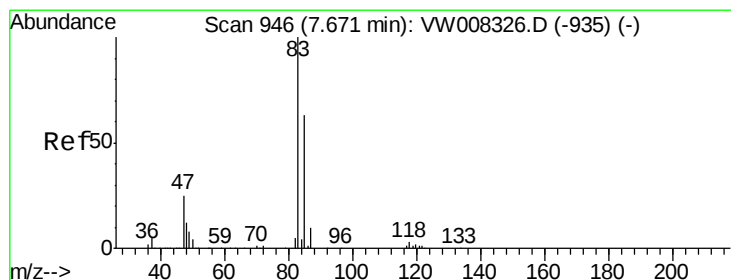
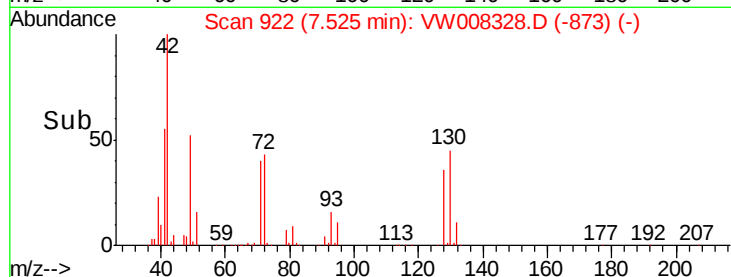
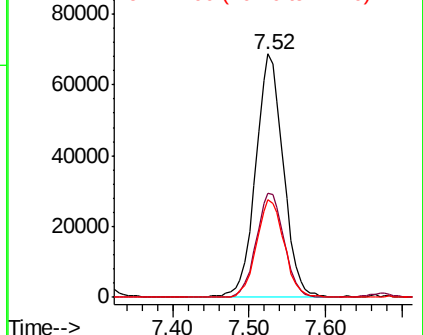
#29
Tetrahydrofuran
Concen: 745.059 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 172723
Ion Ratio Lower Upper
42 100
72 43.1 34.0 51.0
71 40.3 32.0 48.0

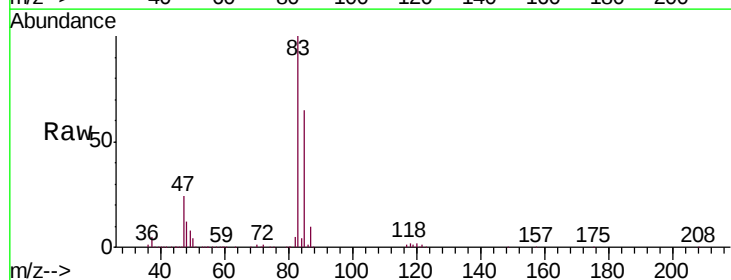


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

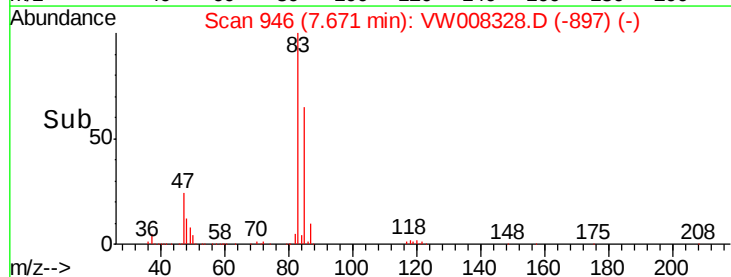
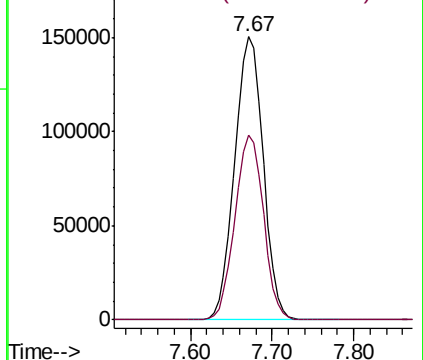


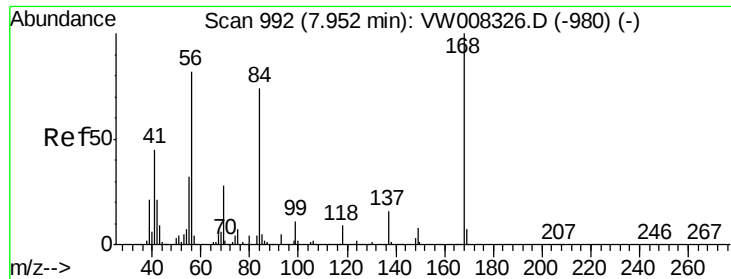
#30
Chloroform
Concen: 150.156 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 83 Resp: 364081
Ion Ratio Lower Upper
83 100
85 65.1 50.2 75.2



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

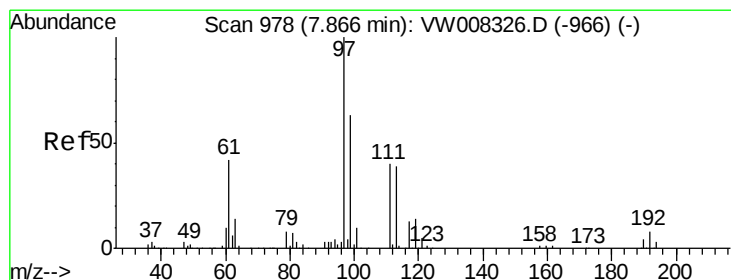
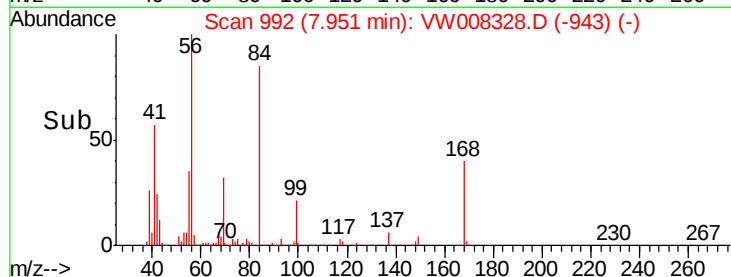
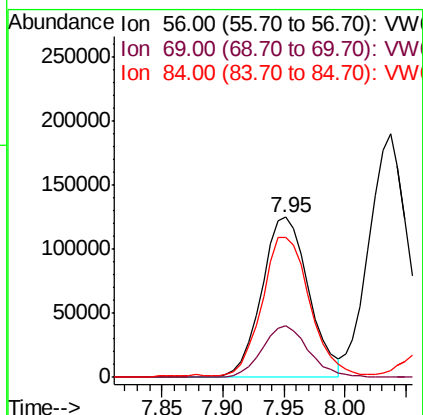
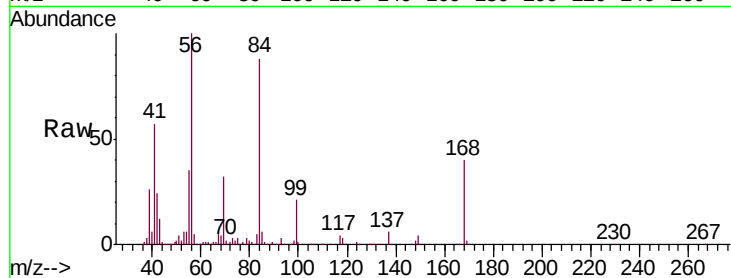




#31
Cyclohexane
Concen: 143.142 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

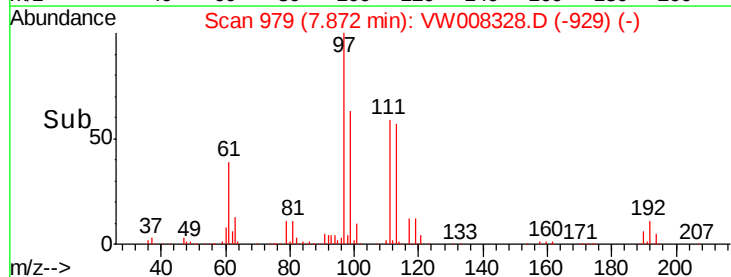
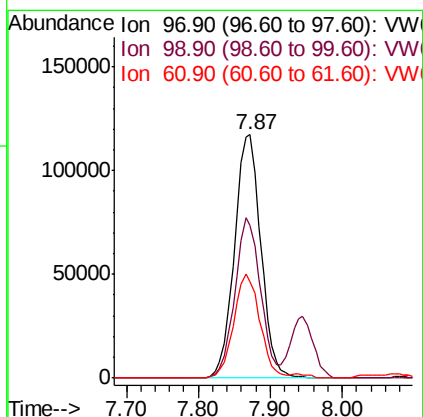
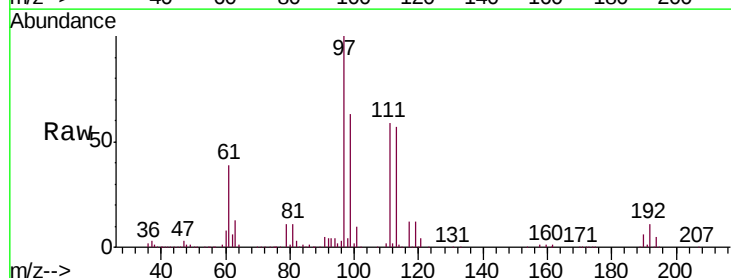
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

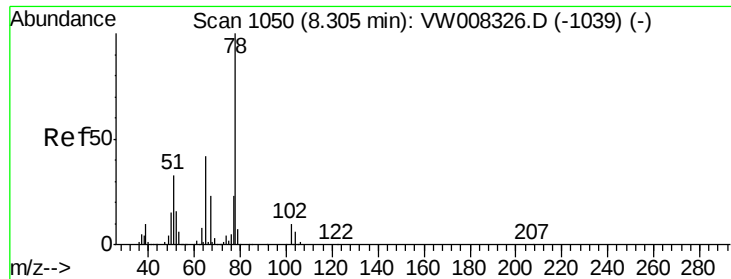
Tgt Ion: 56 Resp: 334229
Ion Ratio Lower Upper
56 100
69 31.9 27.0 40.6
84 86.4 72.5 108.7



#32
1,1,1-Trichloroethane
Concen: 146.491 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 97 Resp: 298100
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 42.3 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 143.175 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

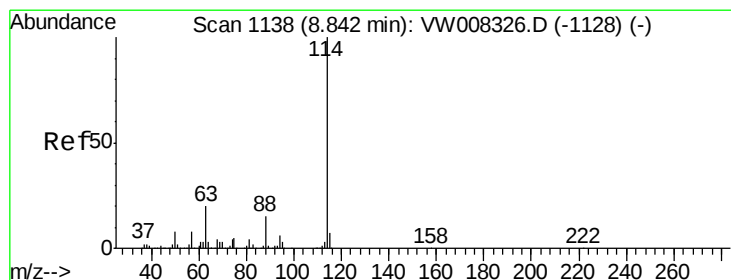
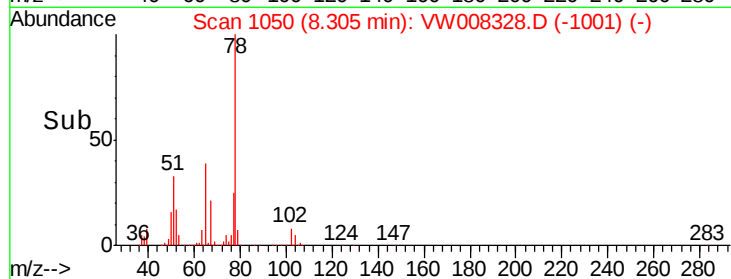
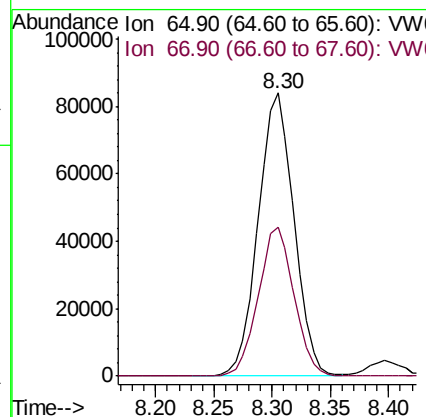
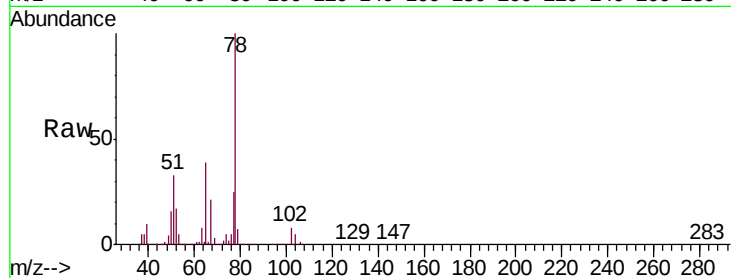
VSTDIC150

Tgt Ion: 65 Resp: 178993

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

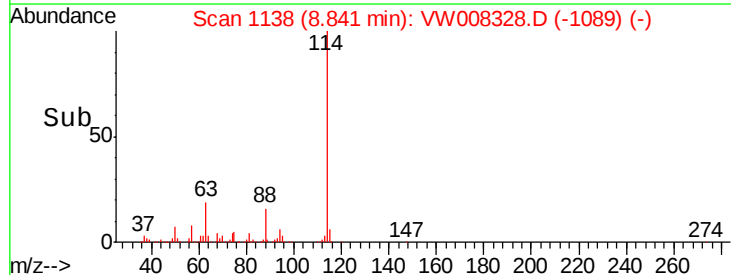
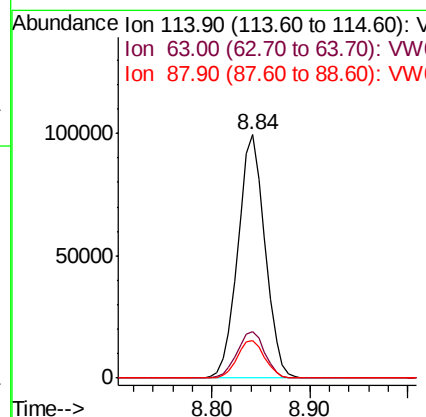
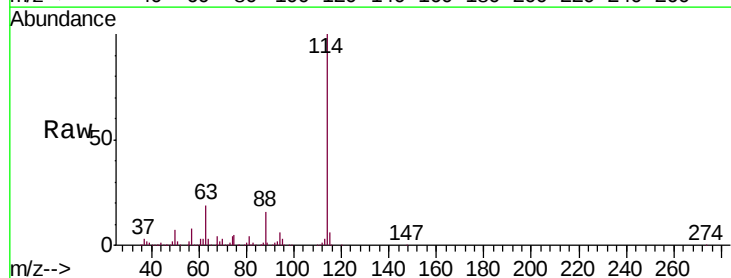
Tgt Ion: 114 Resp: 190708

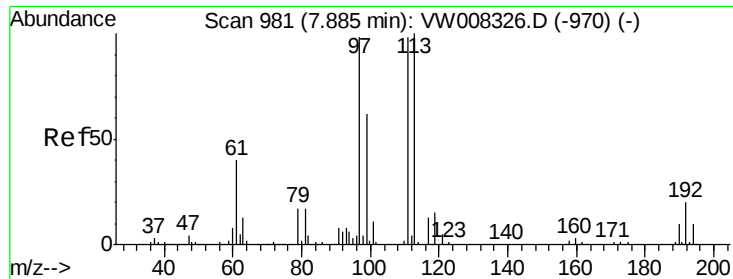
Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.8

88 15.6 0.0 30.4

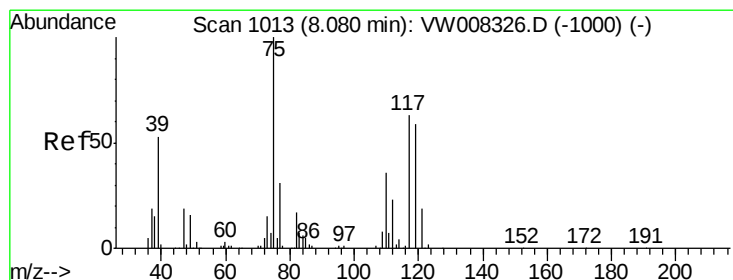
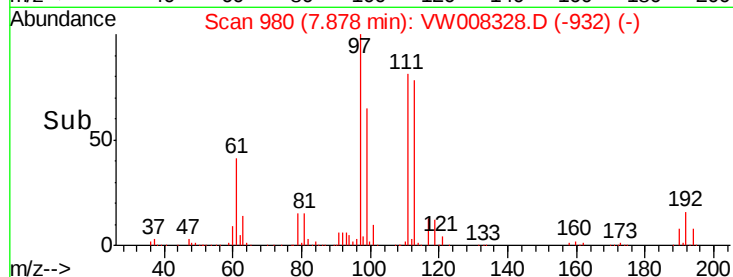
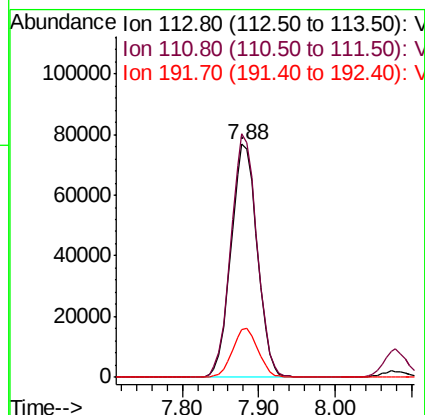
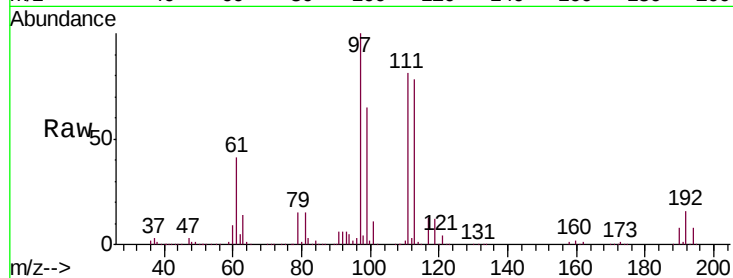




#35
 Dibromofluoromethane
 Concen: 149.656 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

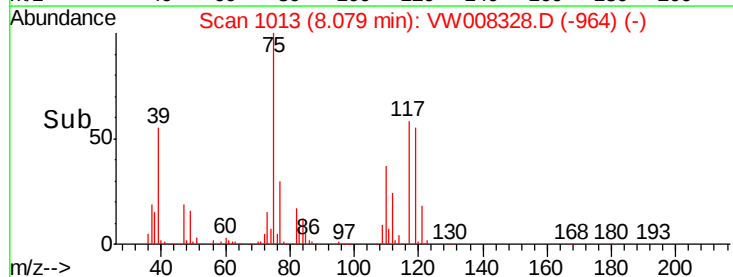
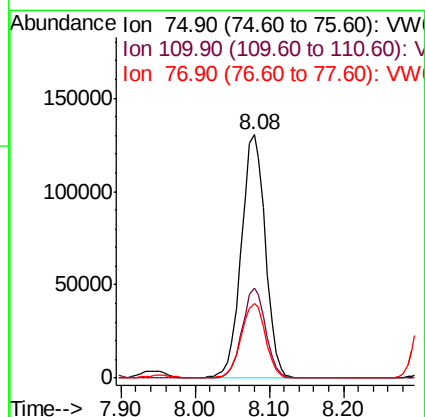
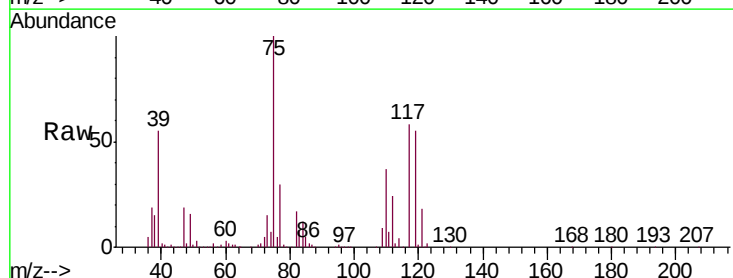
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

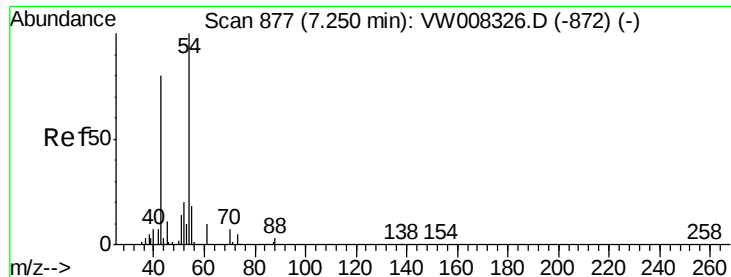
Tgt Ion: 113 Resp: 182184
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 20.7 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 154.209 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 75 Resp: 295879
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.5 52.6
 77 31.1 25.0 37.6

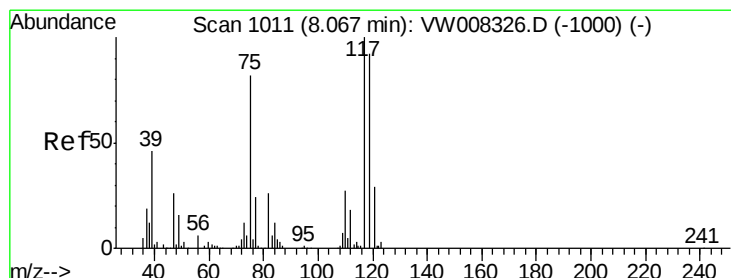
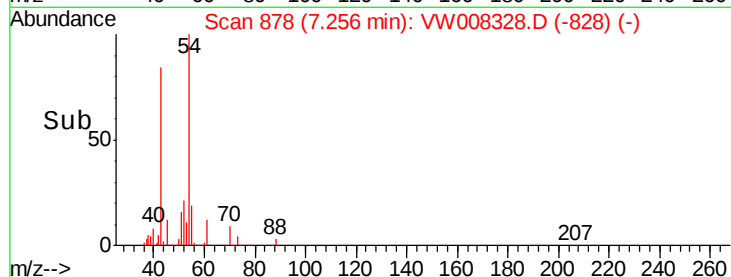
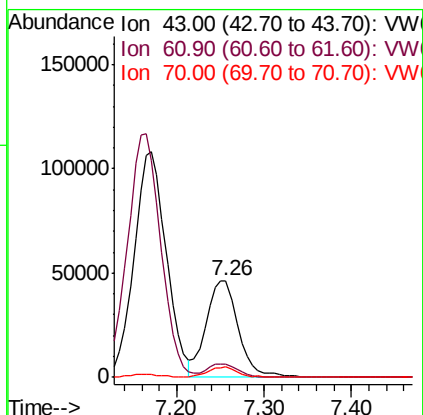
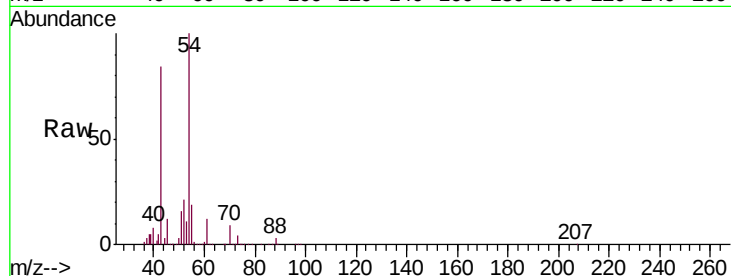




#37
Ethyl Acetate
Concen: 149.825 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

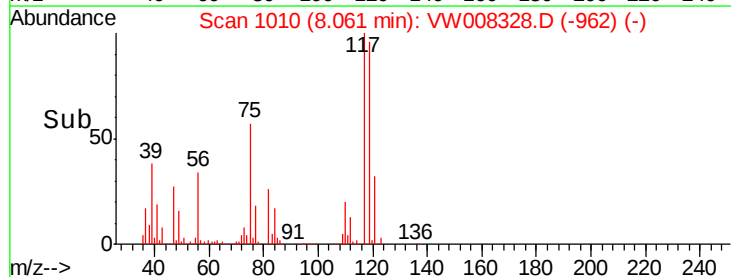
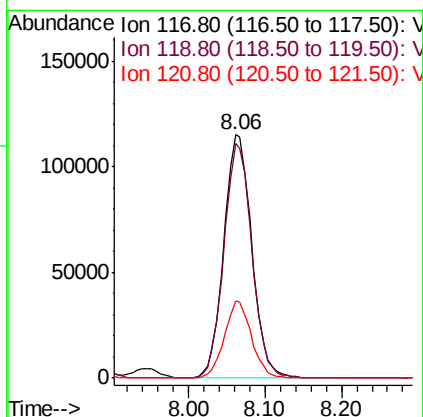
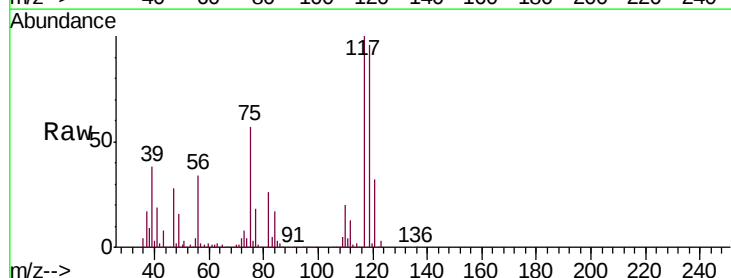
Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

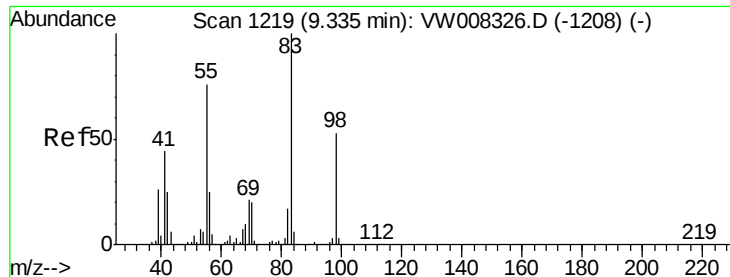
Tgt Ion: 43 Resp: 118545
Ion Ratio Lower Upper
43 100
61 13.7 11.5 17.3
70 10.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 153.375 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 117 Resp: 290587
Ion Ratio Lower Upper
117 100
119 96.5 73.8 110.6
121 31.6 23.4 35.0

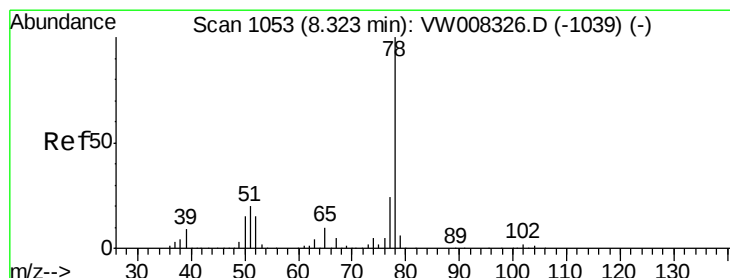
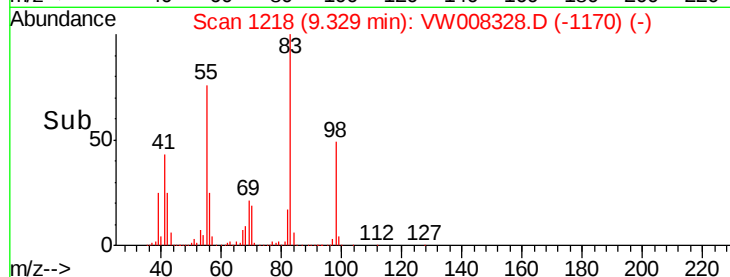
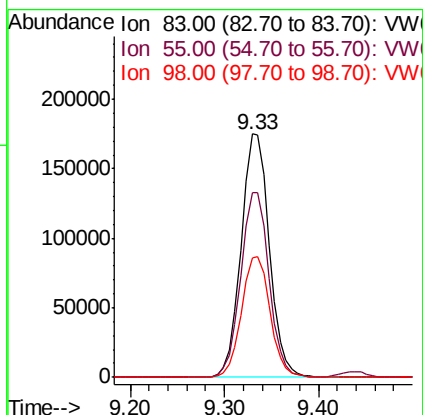
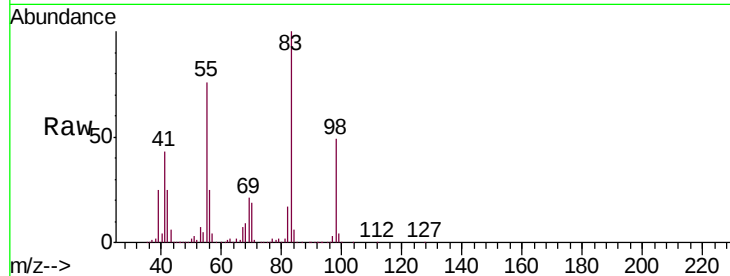




#39
Methylcyclohexane
Concen: 161.347 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

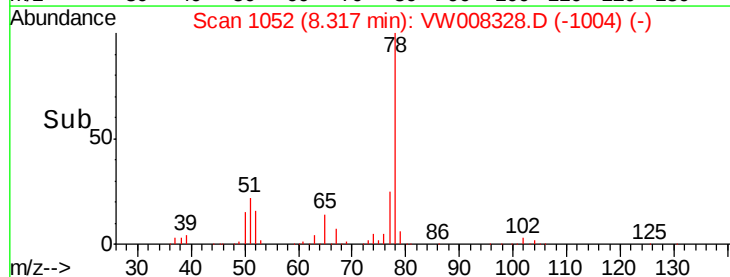
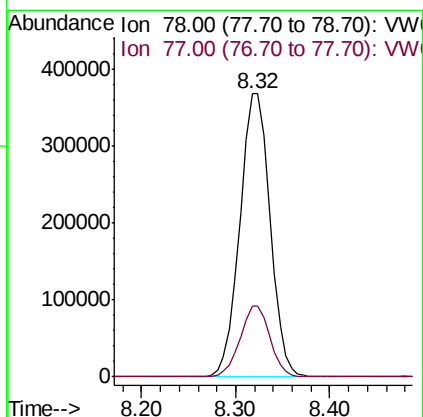
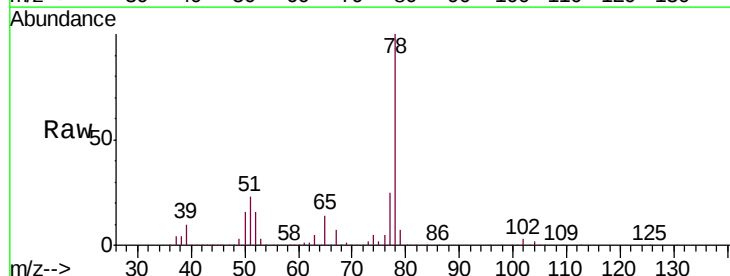
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

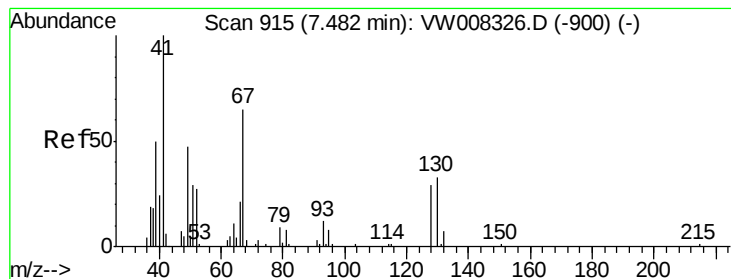
Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.1	91.7
98	49.0	42.5	63.7



#40
Benzene
Concen: 152.519 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.4	29.0





#41

Methacrylonitrile

Concen: 139.037 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 64040

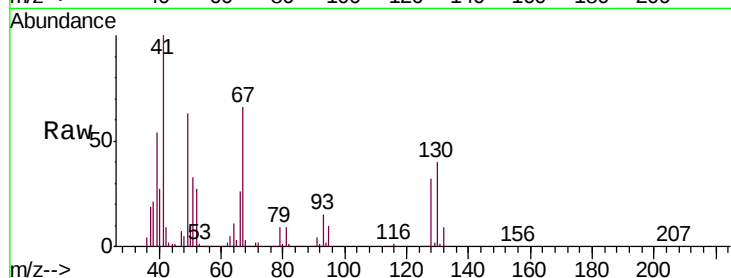
Ion Ratio Lower Upper

41 100

39 66.9 44.9 67.3

67 78.9 56.9 85.3

52 32.5 24.4 36.6



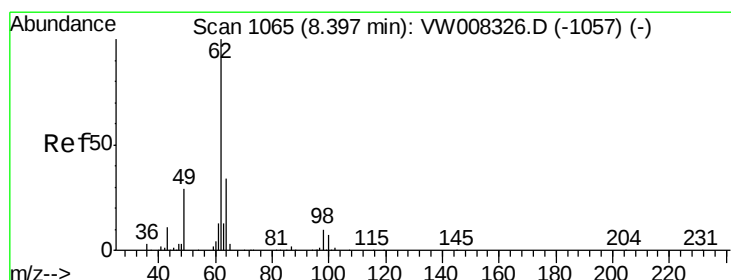
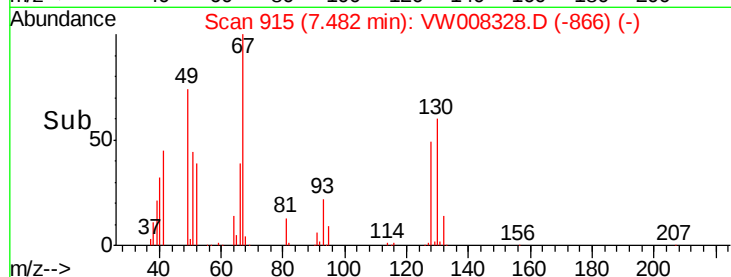
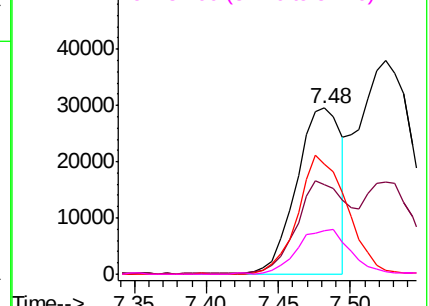
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 147.699 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW008328.D

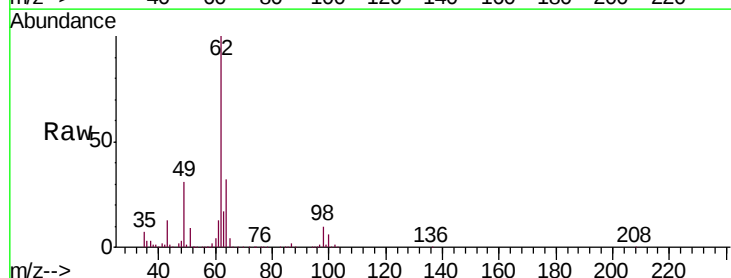
Acq: 17 Jan 2019 14:57

Tgt Ion: 62 Resp: 224470

Ion Ratio Lower Upper

62 100

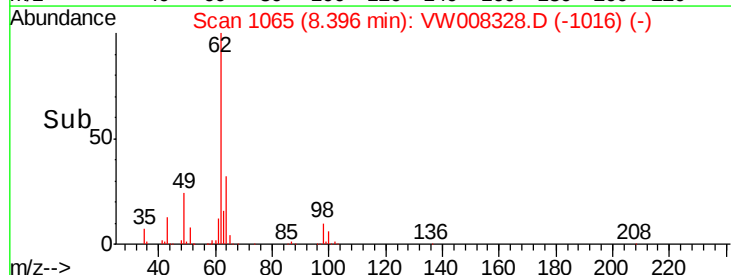
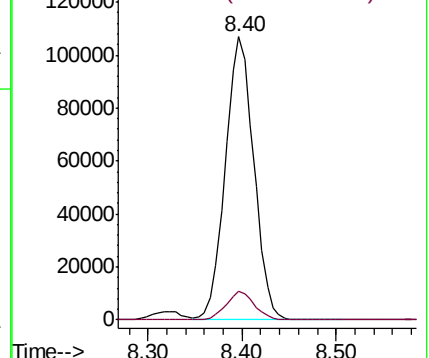
98 10.0 0.0 19.0

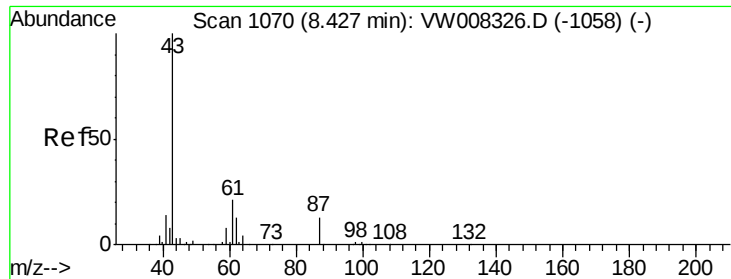


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 156.813 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

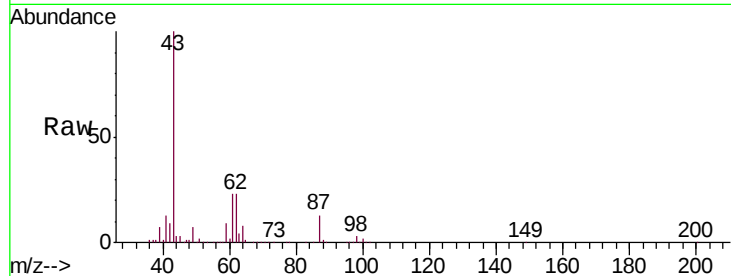
Tgt Ion: 43 Resp: 234367

Ion Ratio Lower Upper

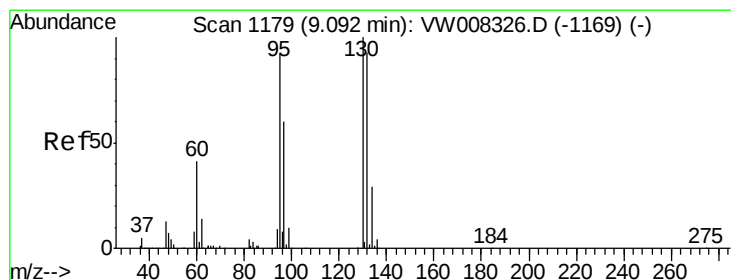
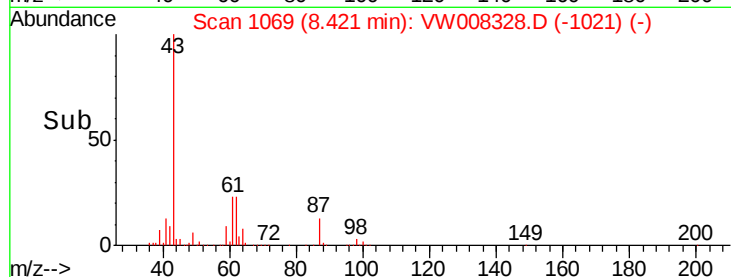
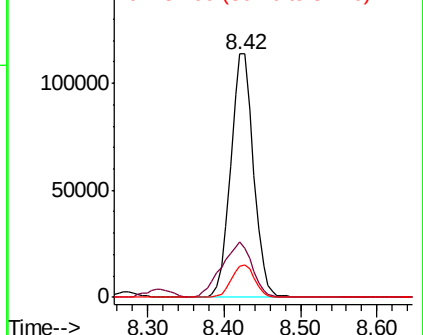
43 100

61 30.1 24.8 37.2

87 13.6 10.7 16.1



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: 155.494 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008328.D

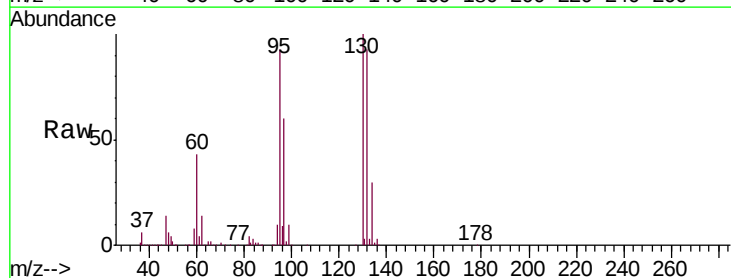
Acq: 17 Jan 2019 14:57

Tgt Ion: 130 Resp: 231538

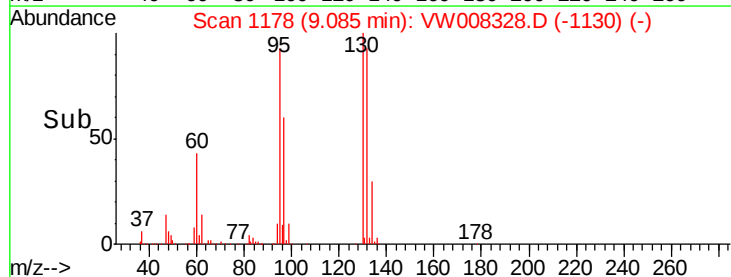
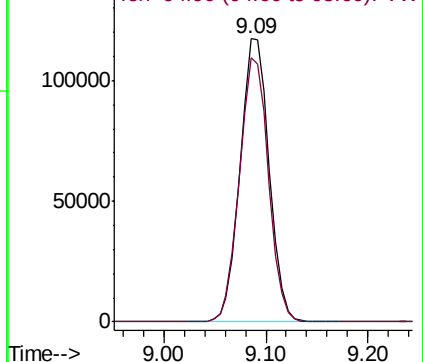
Ion Ratio Lower Upper

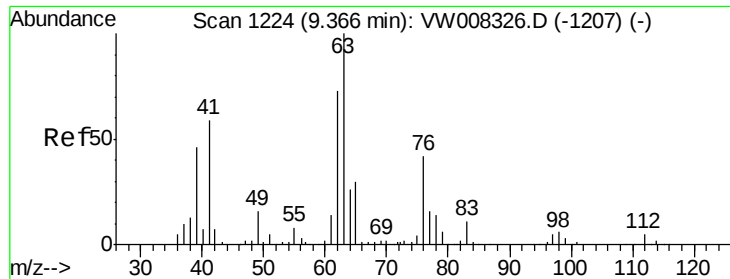
130 100

95 93.3 0.0 184.8



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

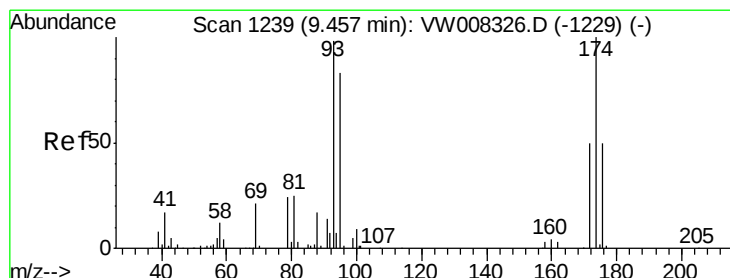
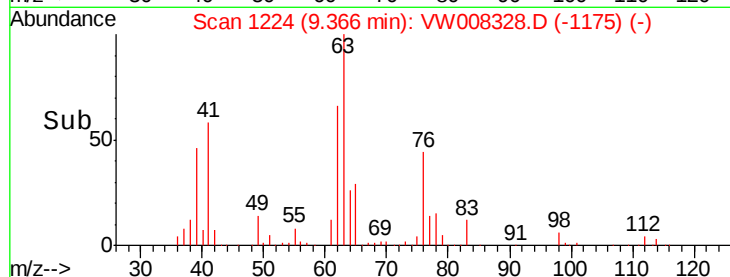
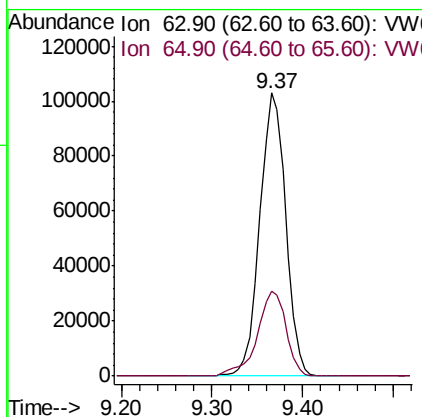
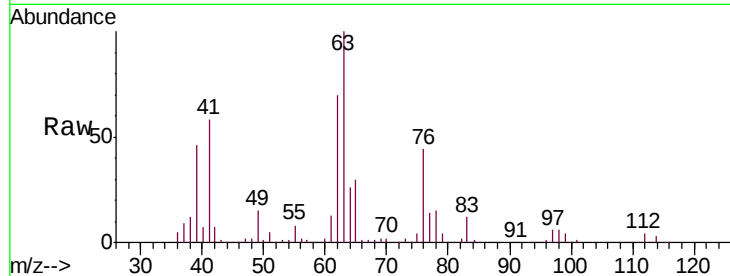




#45
 1,2-Dichloropropane
 Concen: 151.246 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

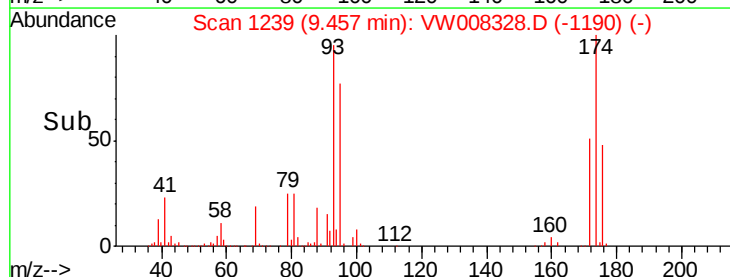
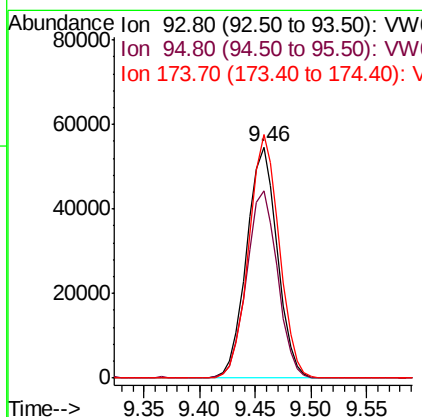
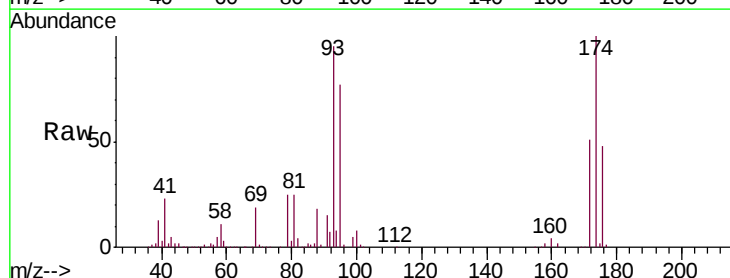
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

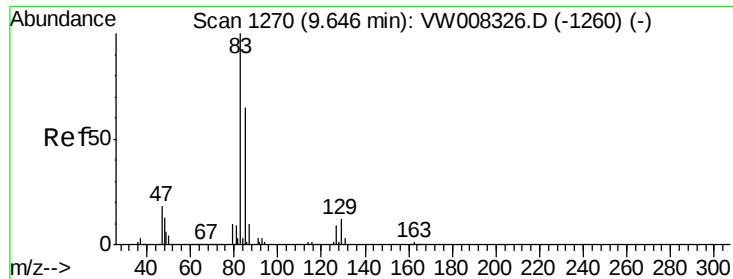
Tgt Ion: 63 Resp: 204190
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.9 35.9



#46
 Dibromomethane
 Concen: 149.261 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 93 Resp: 105025
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.8 101.8
 174 104.1 84.4 126.6





#47

Bromodichloromethane

Concen: 154.417 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

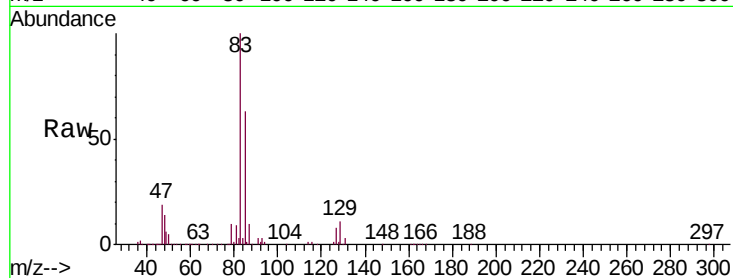
Tgt Ion: 83 Resp: 268010

Ion Ratio Lower Upper

83 100

85 62.9 51.6 77.4

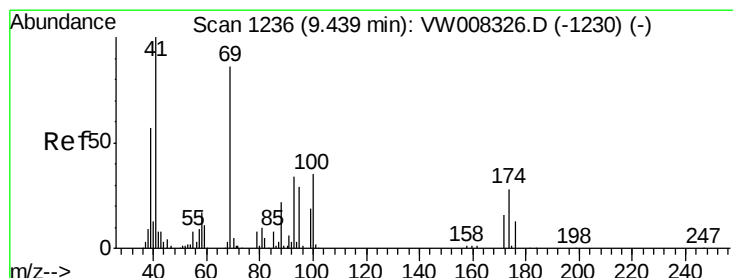
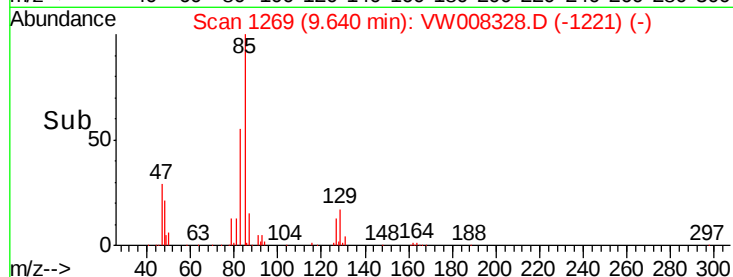
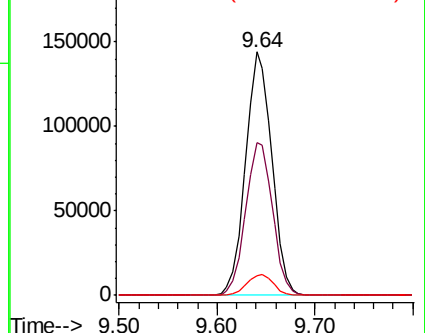
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 161.136 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

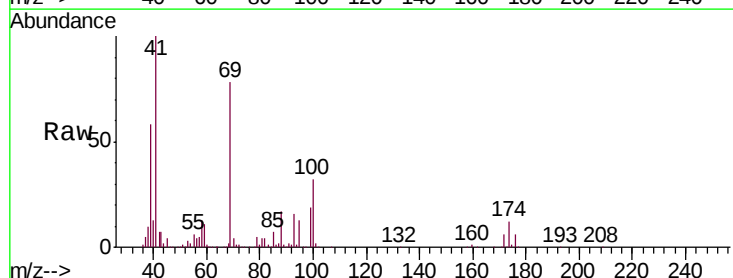
Tgt Ion: 41 Resp: 113371

Ion Ratio Lower Upper

41 100

69 87.7 68.2 102.4

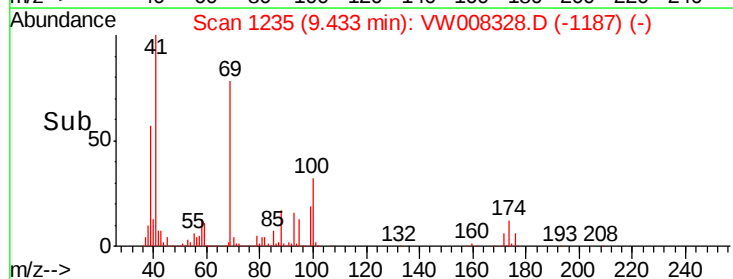
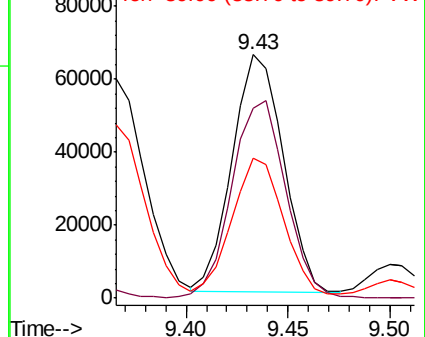
39 60.3 46.0 69.0

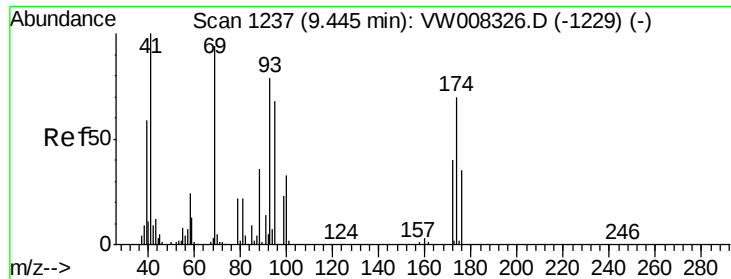


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

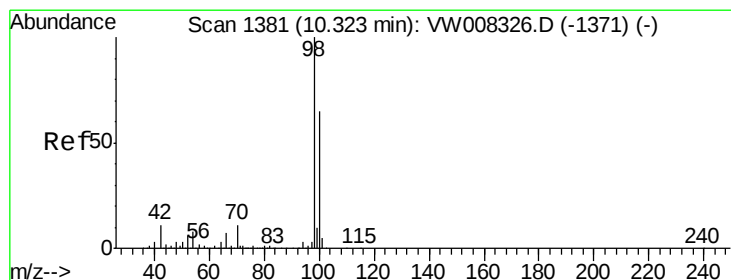
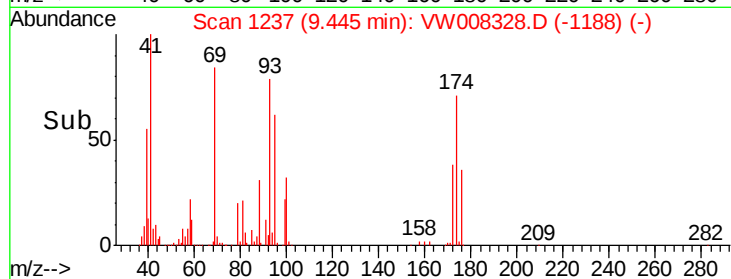
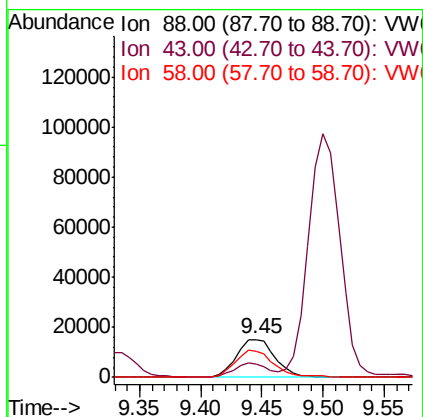
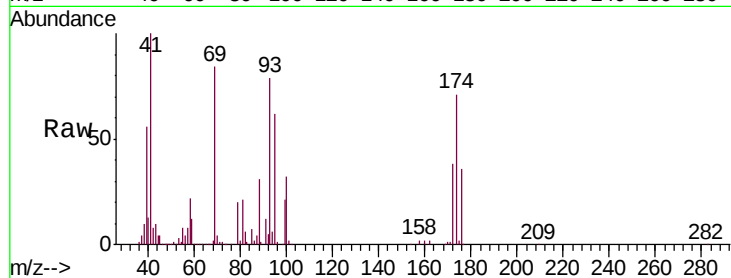




#49
1,4-Dioxane
Concen: 2939.404 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

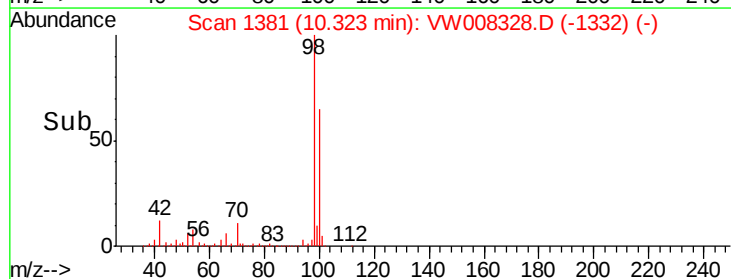
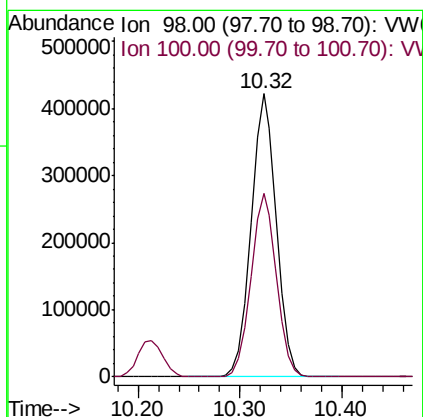
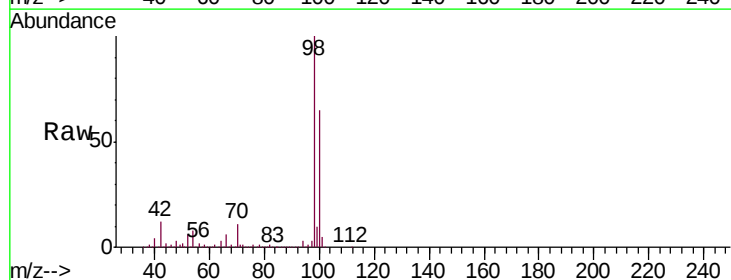
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

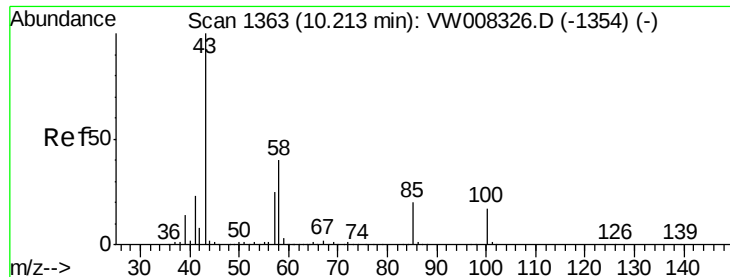
Tgt Ion: 88 Resp: 33295
Ion Ratio Lower Upper
88 100
43 30.8 27.1 40.7
58 72.5 57.9 86.9



#50
Toluene-d8
Concen: 152.134 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 98 Resp: 727573
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8

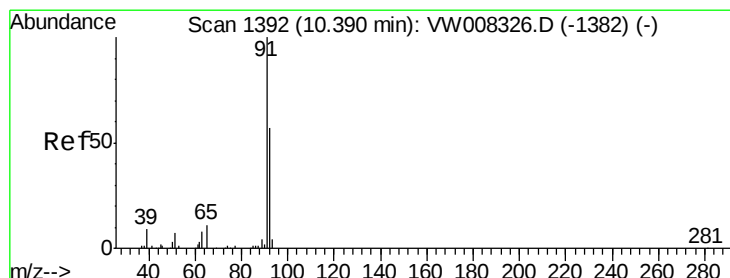
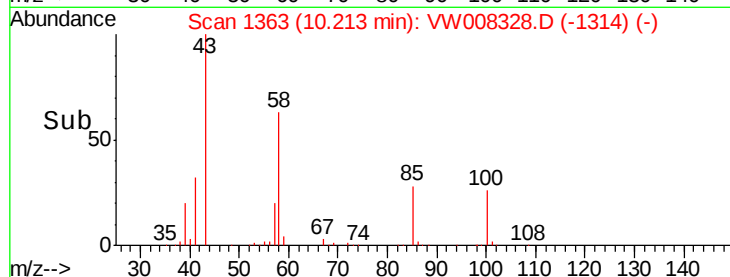
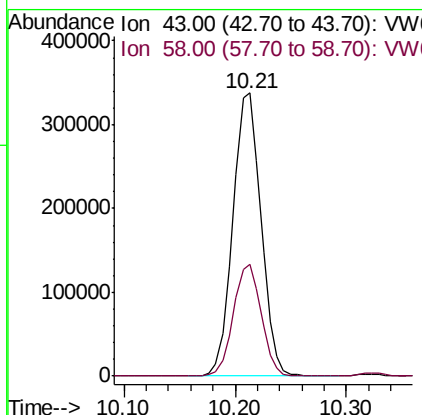
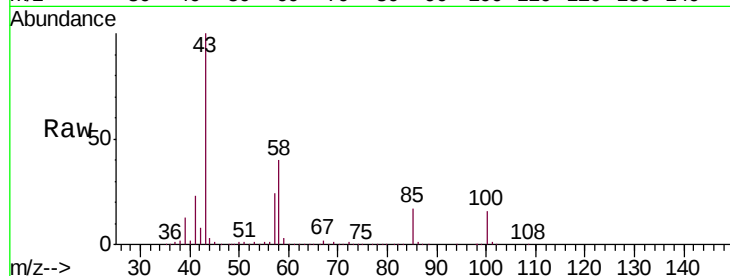




#51
4-Methyl-2-Pentanone
Concen: 779.870 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

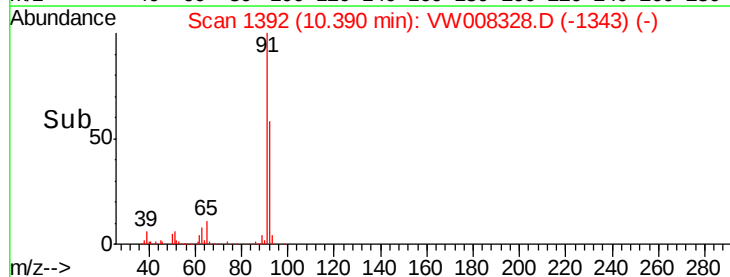
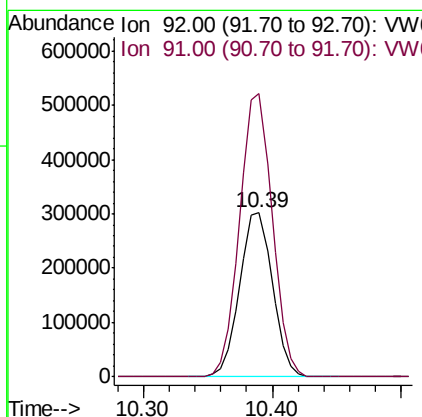
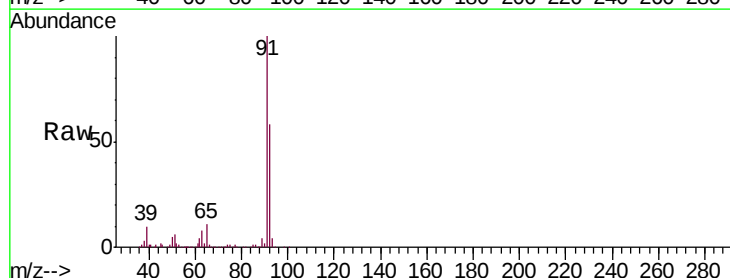
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

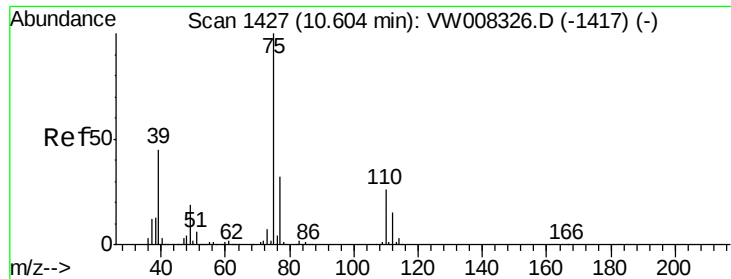
Tgt Ion: 43 Resp: 590190
Ion Ratio Lower Upper
43 100
58 39.2 31.4 47.0



#52
Toluene
Concen: 155.133 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 92 Resp: 533580
Ion Ratio Lower Upper
92 100
91 171.8 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 158.368 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

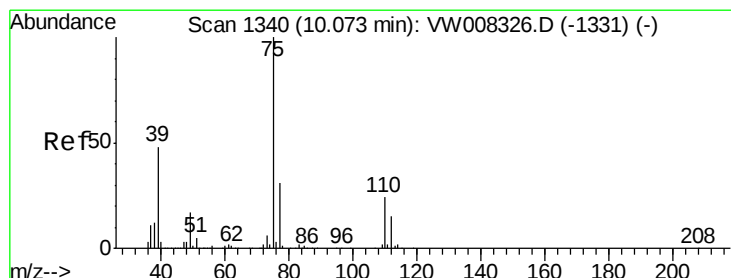
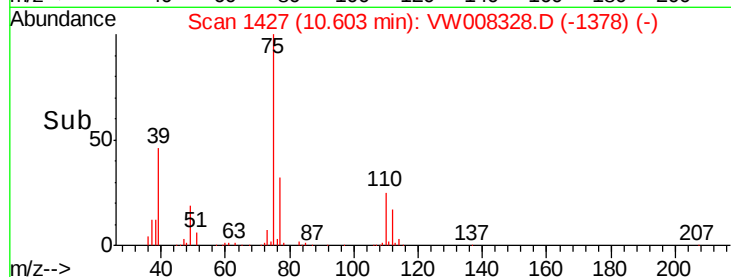
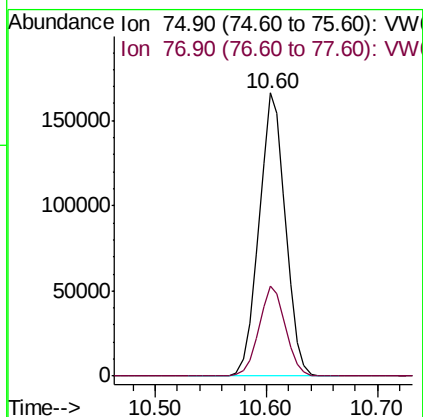
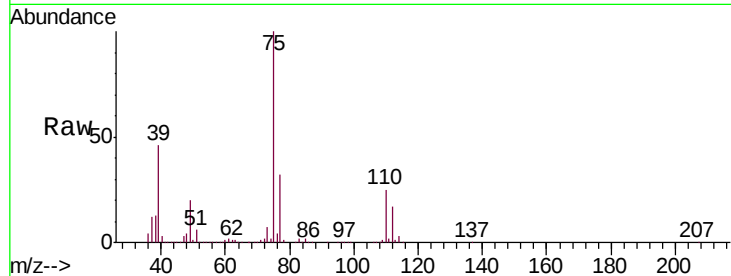
VSTDIC150

Tgt Ion: 75 Resp: 274336

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 159.611 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

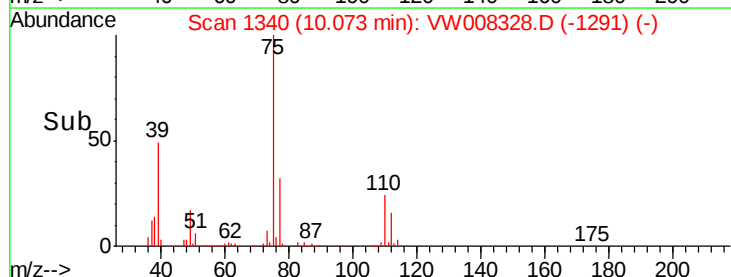
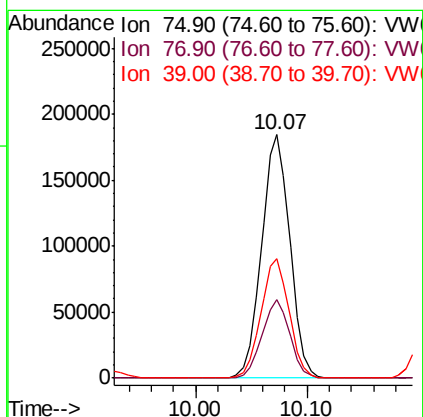
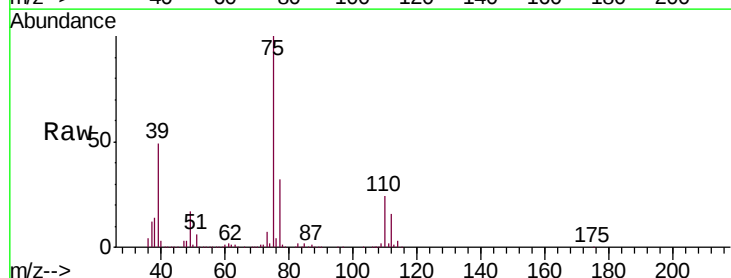
Tgt Ion: 75 Resp: 325936

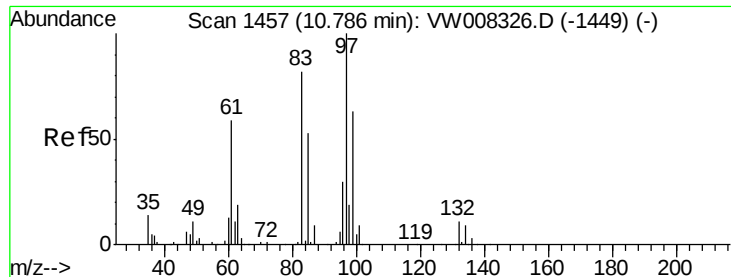
Ion Ratio Lower Upper

75 100

77 32.4 24.4 36.6

39 49.2 38.6 57.8

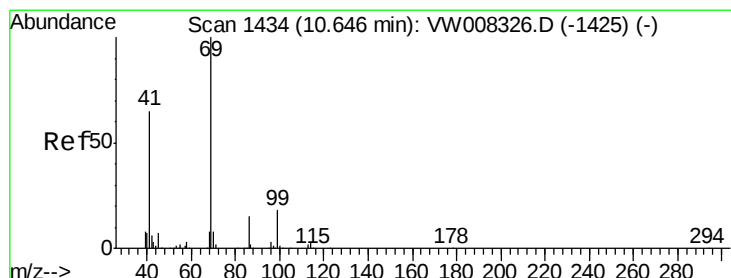
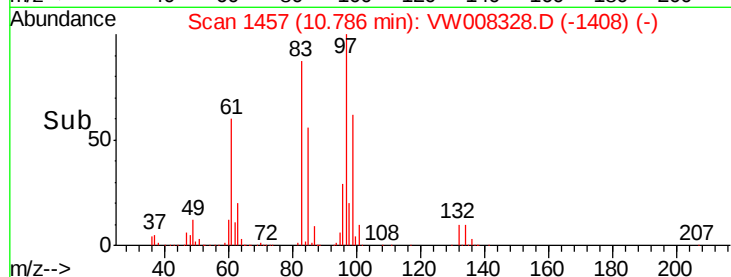
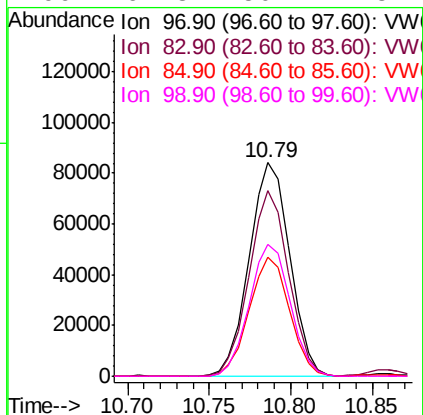
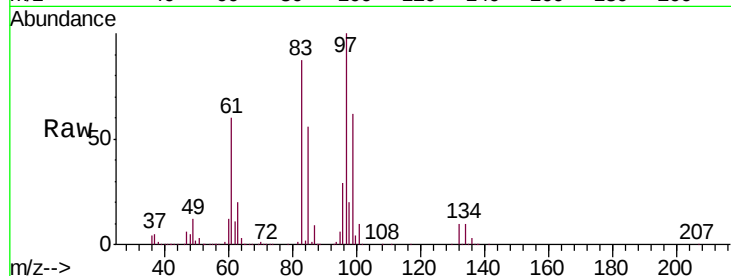




#55
 1,1,2-Trichloroethane
 Concen: 149.620 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

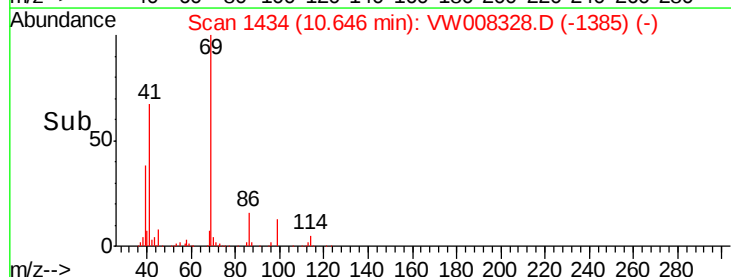
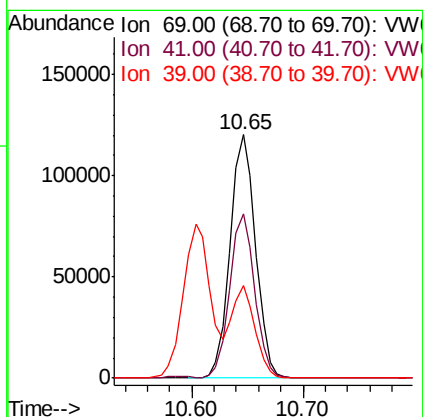
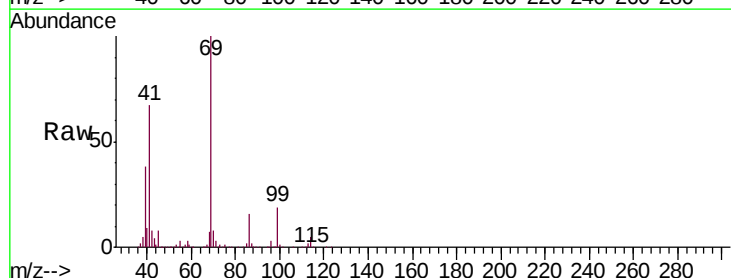
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

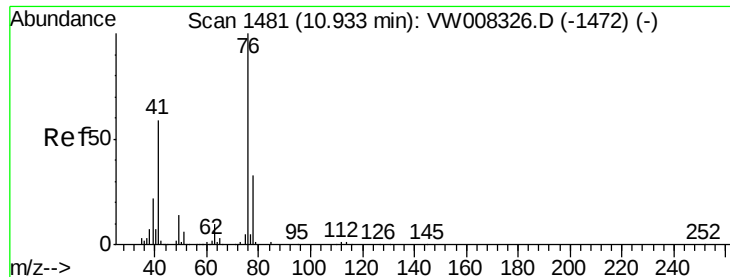
Tgt Ion:	97	Resp:	146021
Ion	Ratio	Lower	Upper
97	100		
83	86.8	65.3	97.9
85	55.9	42.6	64.0
99	61.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 165.602 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion:	69	Resp:	189806
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.9	79.3
39	34.9	28.4	42.6

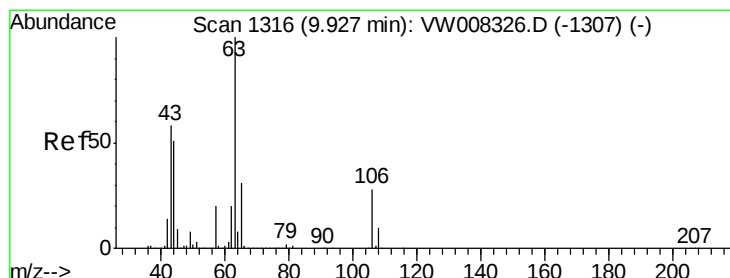
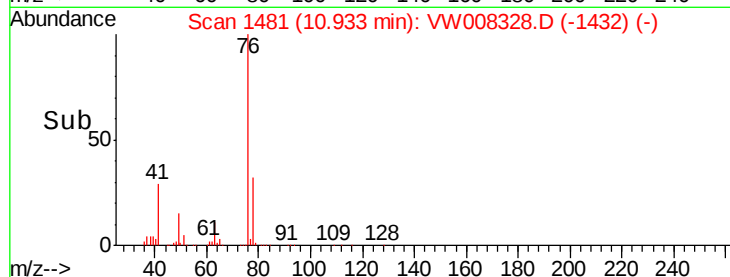
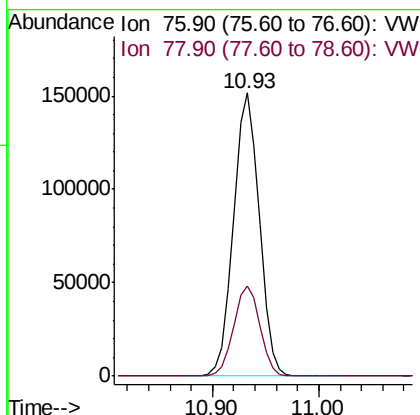
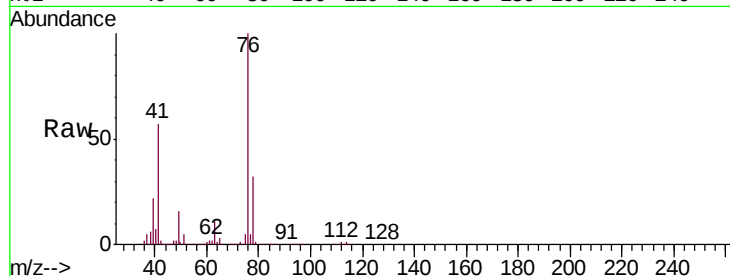




#57
 1,3-Dichloropropane
 Concen: 152.539 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

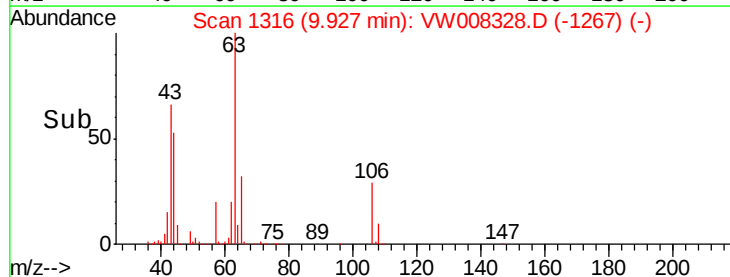
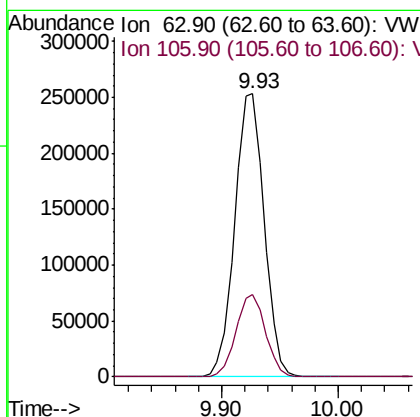
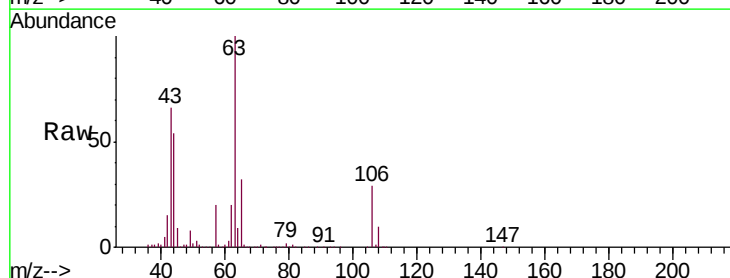
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

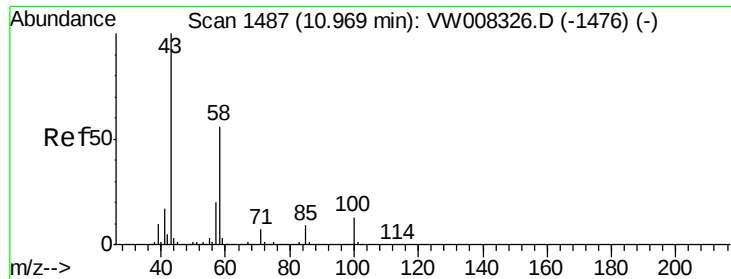
Tgt Ion: 76 Resp: 258483
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 807.778 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 63 Resp: 446585
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3

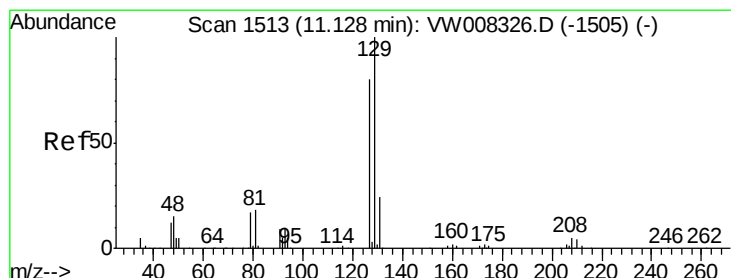
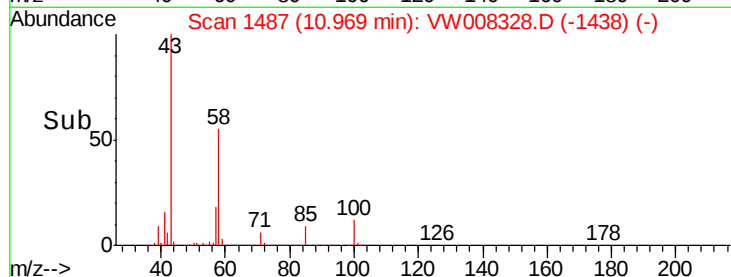
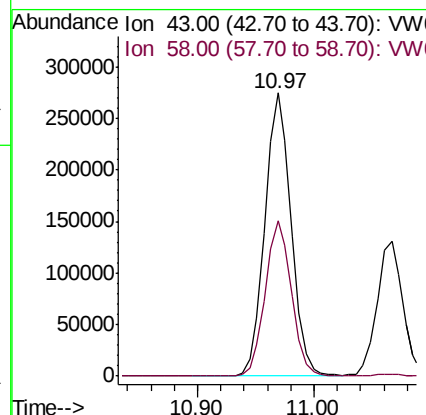
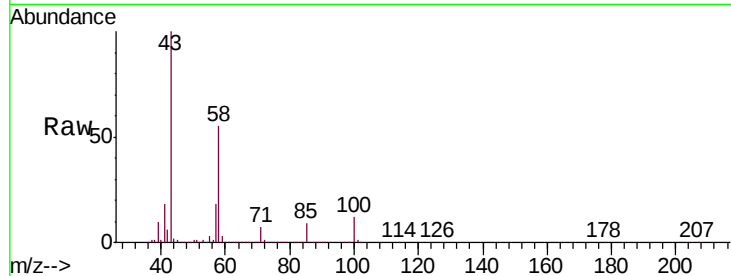




#59
2-Hexanone
Concen: 812.667 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

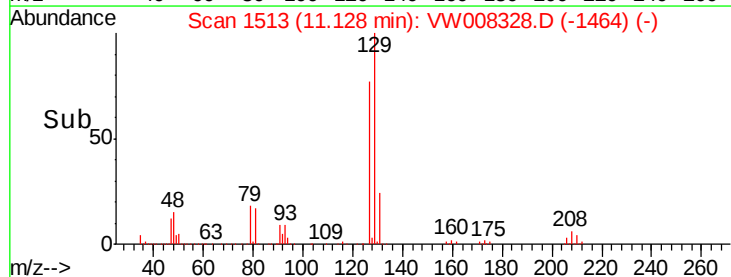
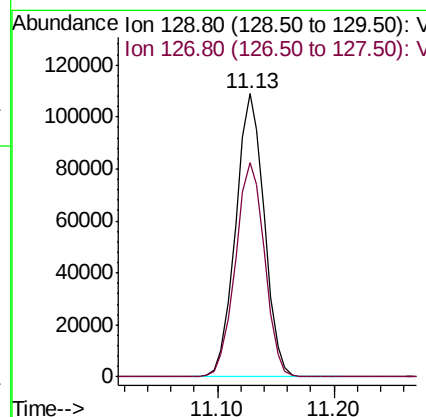
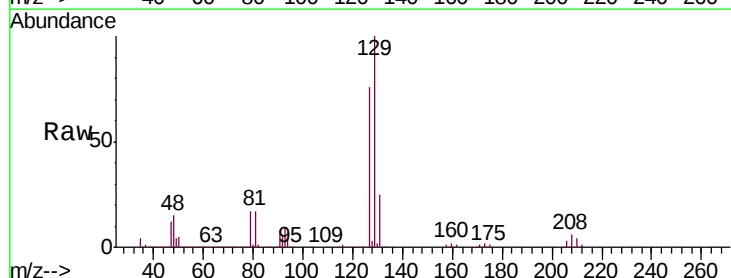
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

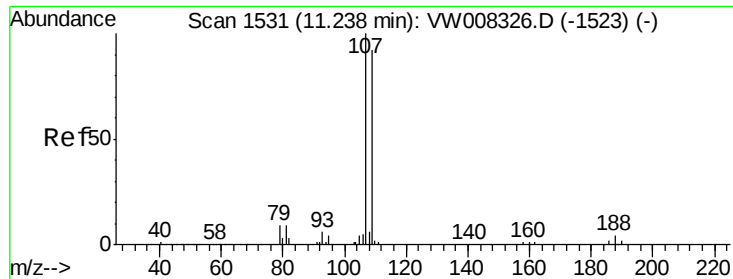
Tgt Ion: 43 Resp: 430915
Ion Ratio Lower Upper
43 100
58 54.7 27.5 82.5



#60
Dibromochloromethane
Concen: 159.617 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 129 Resp: 185916
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2

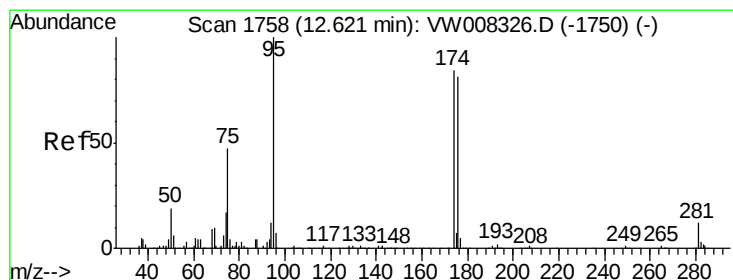
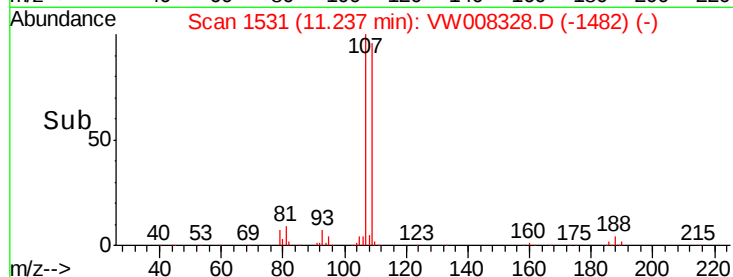
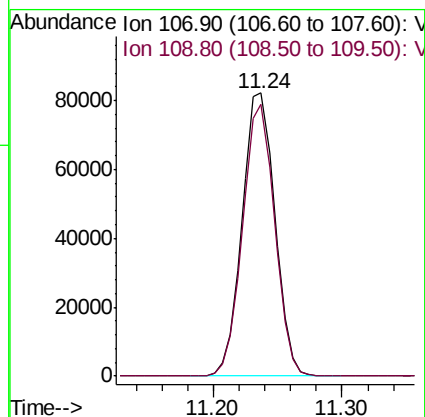
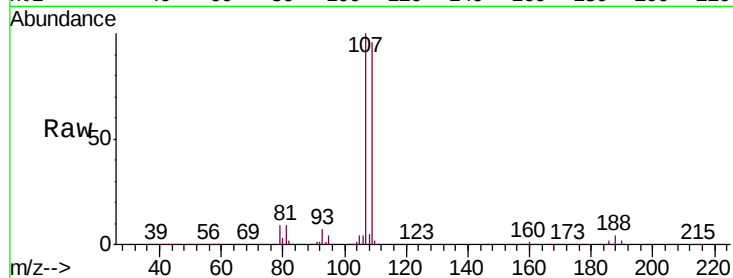




#61
 1,2-Dibromoethane
 Concen: 153.125 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

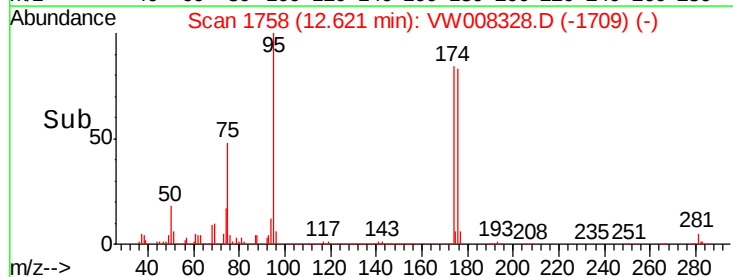
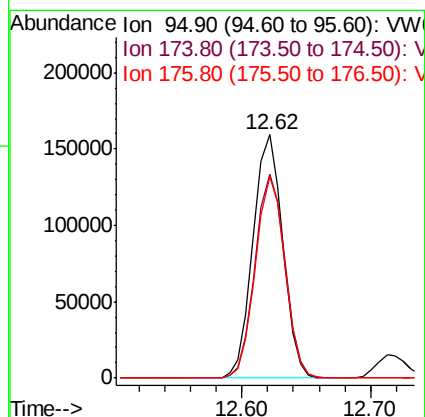
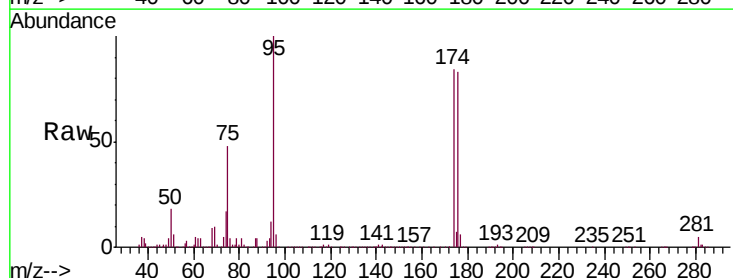
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

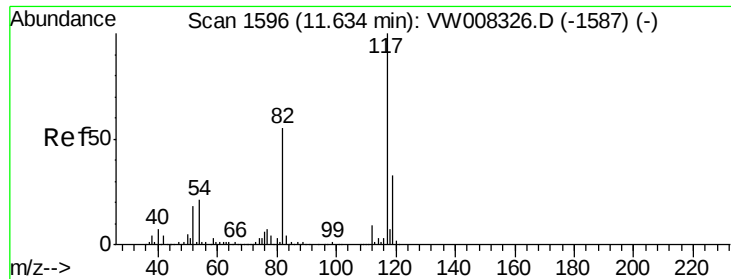
Tgt Ion: 107 Resp: 144710
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 147.330 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion: 95 Resp: 252703
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 166.0
 176 82.0 0.0 160.0

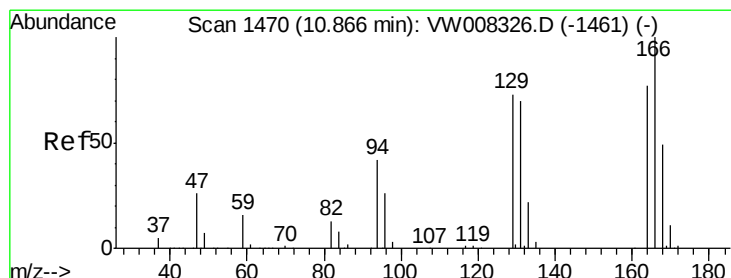
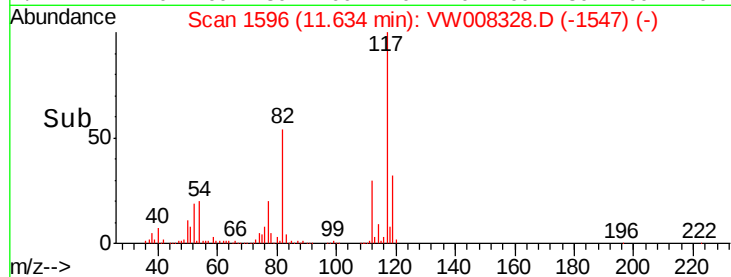
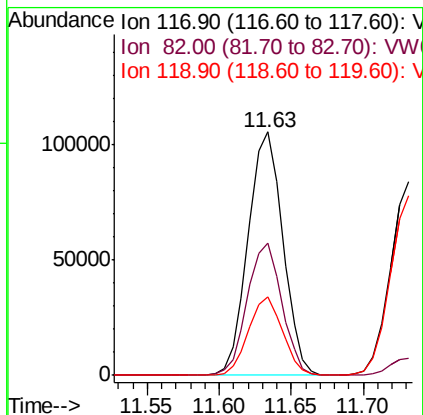
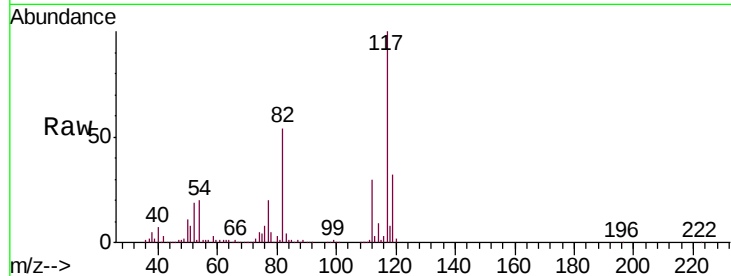




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

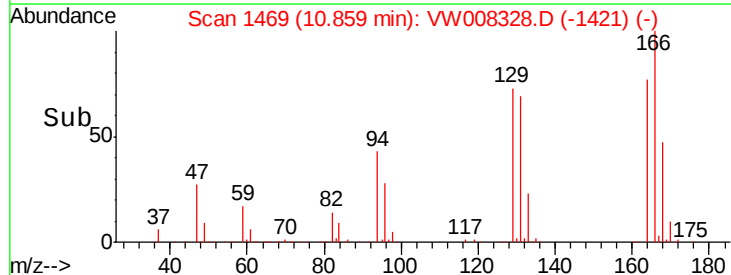
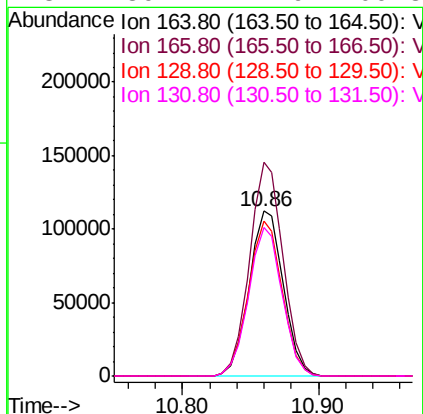
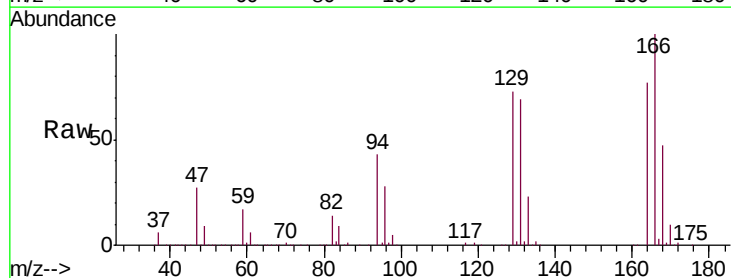
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

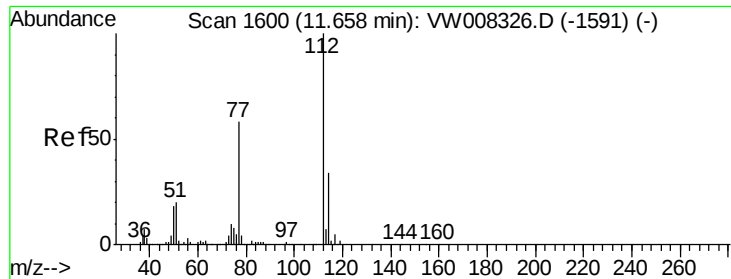
Tgt Ion:117 Resp: 176005
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 32.0 26.3 39.5



#64
Tetrachloroethene
Concen: 159.745 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion:164 Resp: 197144
Ion Ratio Lower Upper
164 100
166 129.6 103.4 155.2
129 94.2 75.0 112.6
131 89.7 72.9 109.3

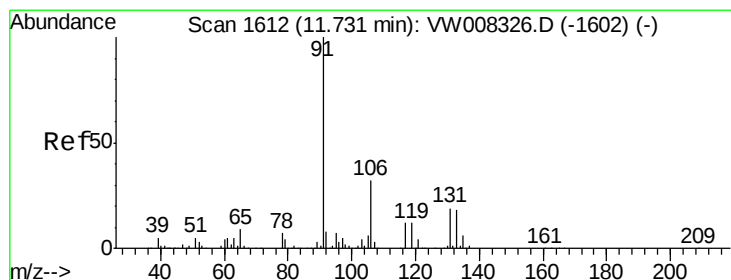
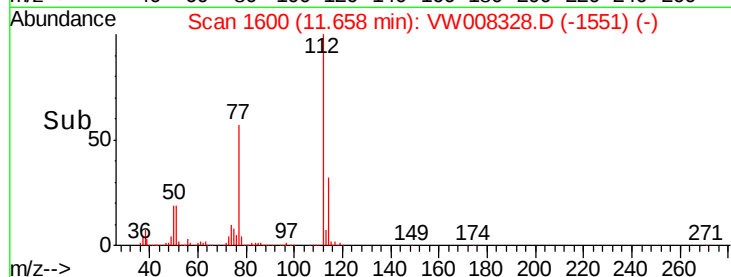
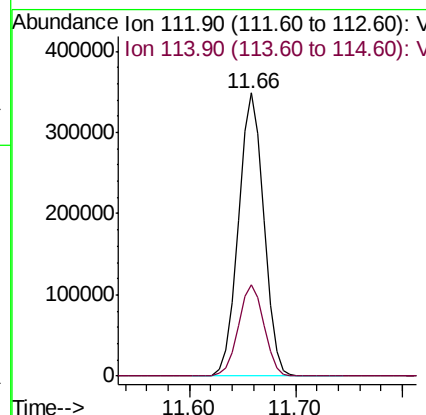
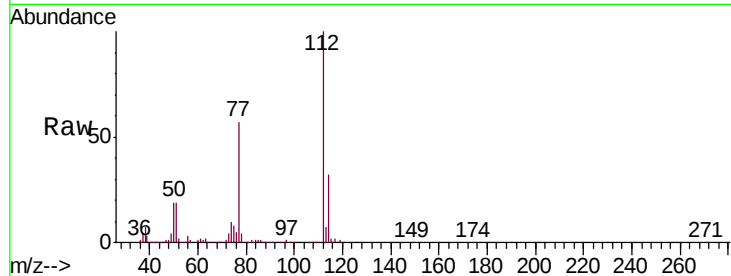




#65
Chlorobenzene
Concen: 151.503 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

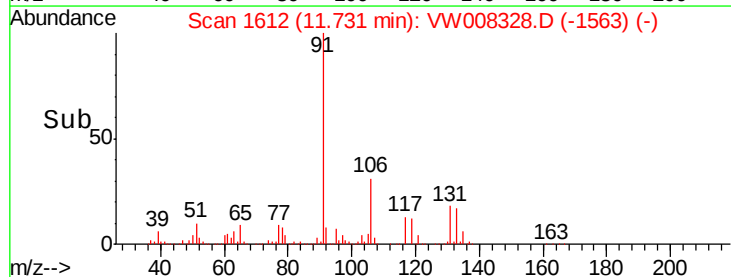
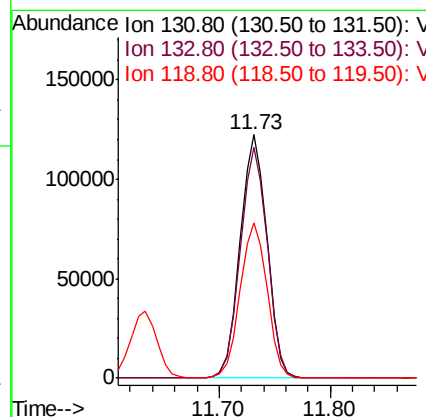
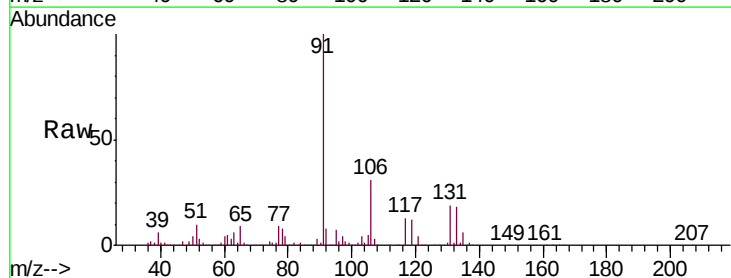
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

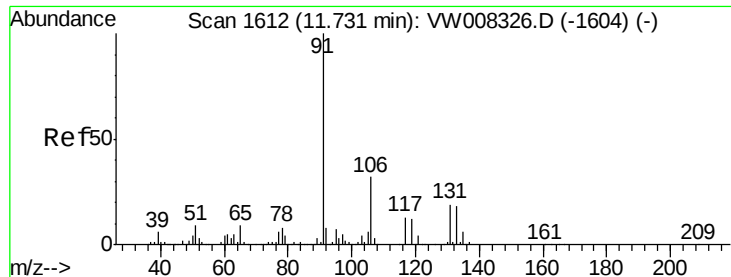
Tgt Ion:112 Resp: 581631
Ion Ratio Lower Upper
112 100
114 32.3 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 154.742 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion:131 Resp: 204461
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 64.2 31.6 94.7

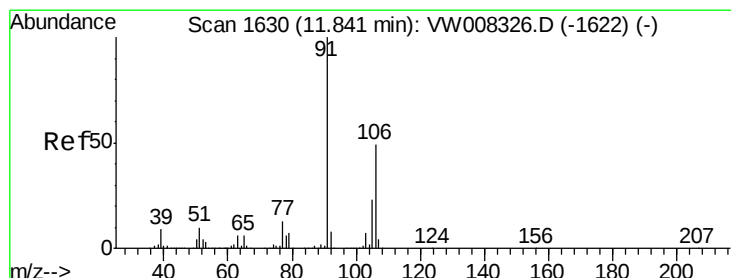
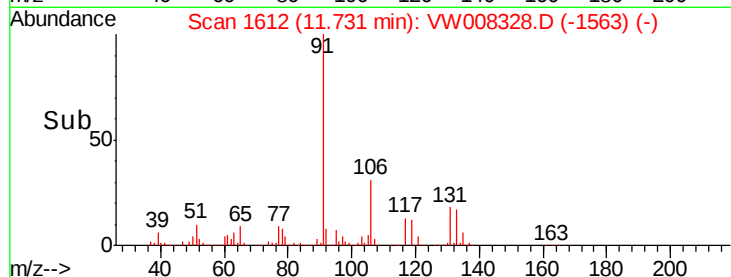
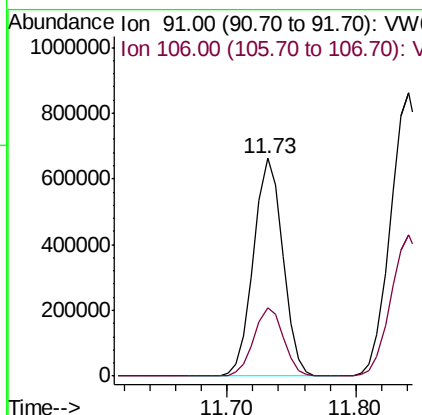
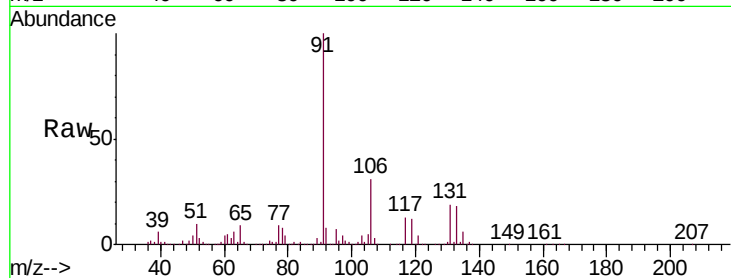




#67
Ethyl Benzene
Concen: 156.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

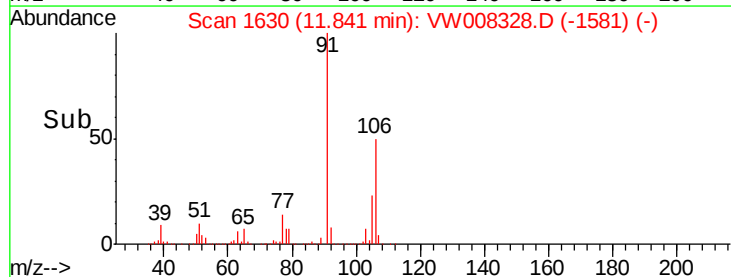
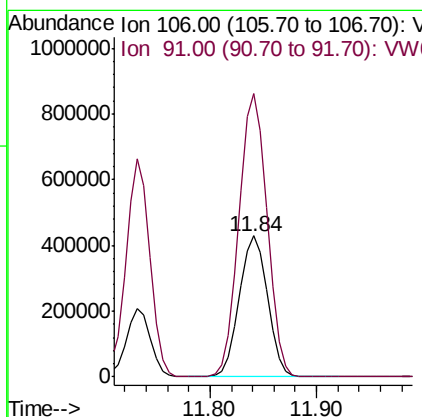
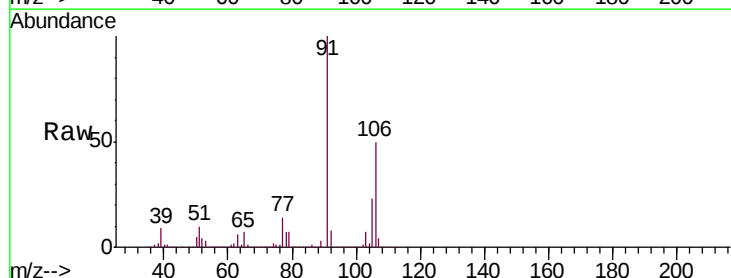
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

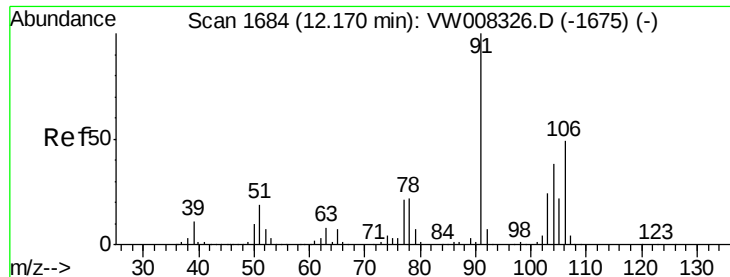
Tgt Ion: 91 Resp: 1042654
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2



#68
m/p-Xylenes
Concen: 309.701 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion: 106 Resp: 801297
Ion Ratio Lower Upper
106 100
91 200.1 158.4 237.6

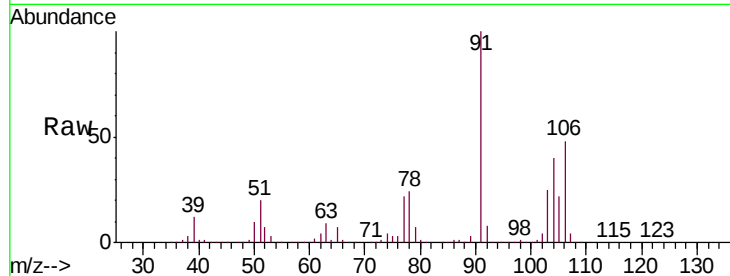




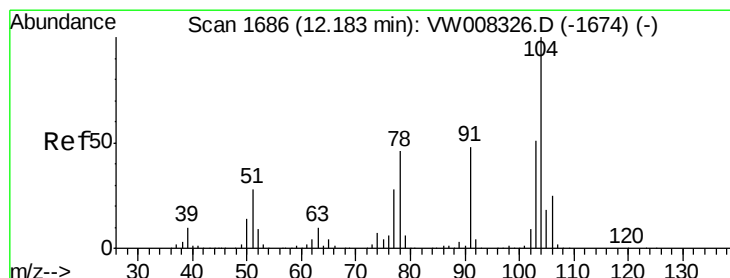
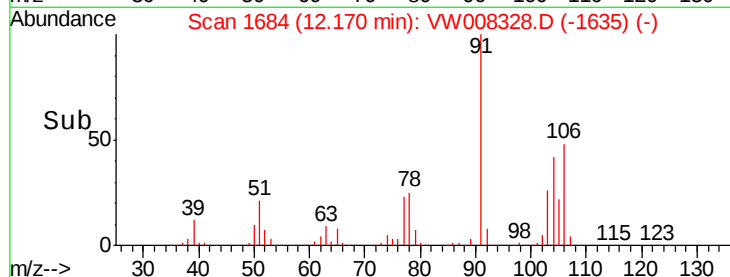
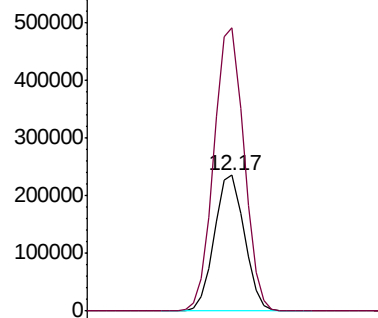
#69
o-Xylene
Concen: 157.540 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 380812
Ion Ratio Lower Upper
106 100
91 208.8 104.1 312.3

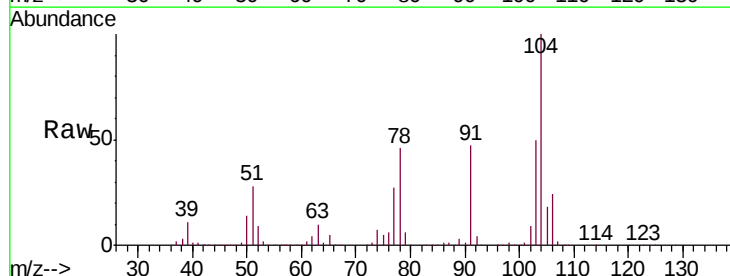


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

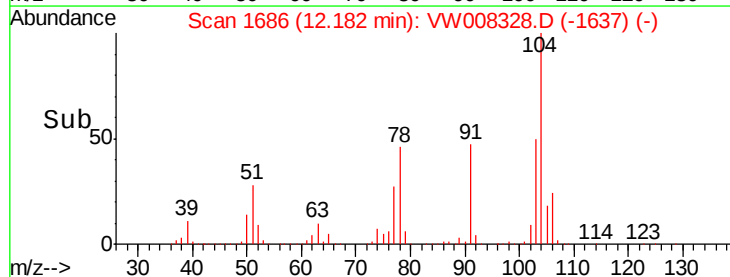
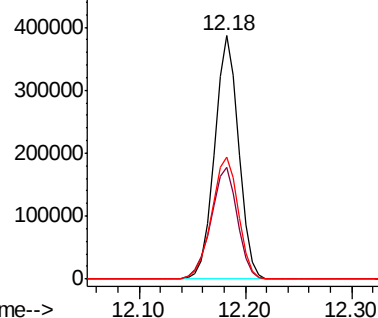


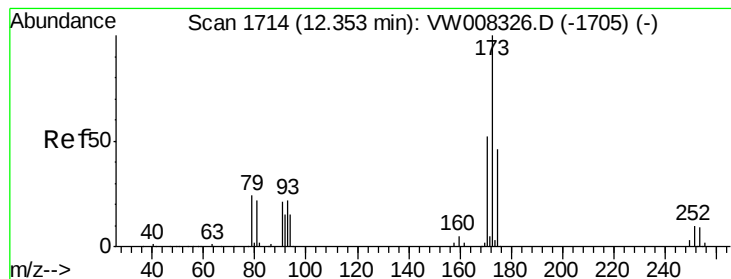
#70
Styrene
Concen: 157.687 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion:104 Resp: 612256
Ion Ratio Lower Upper
104 100
78 50.5 39.8 59.6
103 55.8 44.0 66.0



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





#71

Bromoform

Concen: 163.643 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

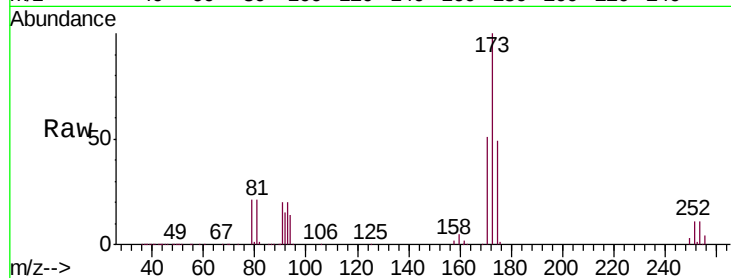
Tgt Ion:173 Resp: 107713

Ion Ratio Lower Upper

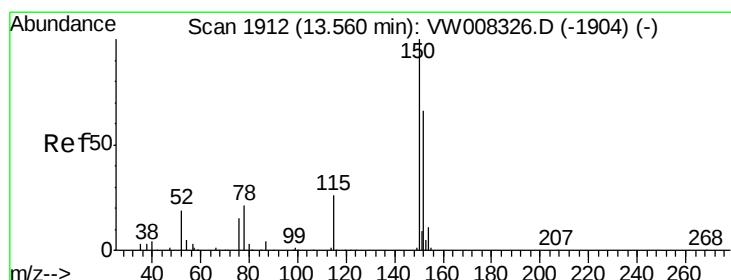
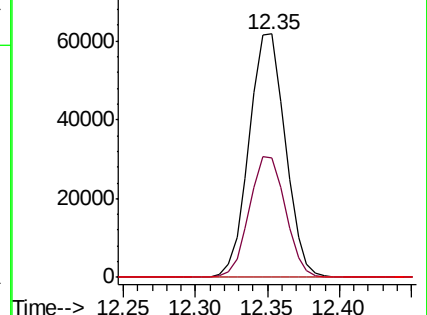
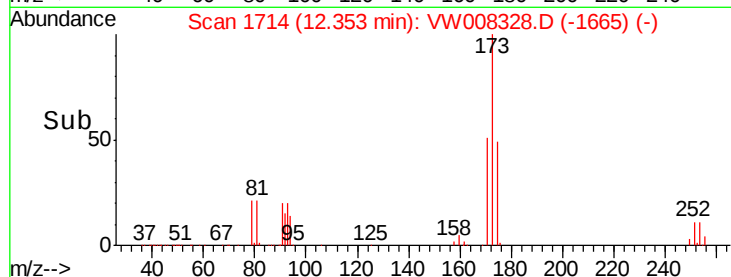
173 100

175 49.2 23.6 70.8

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

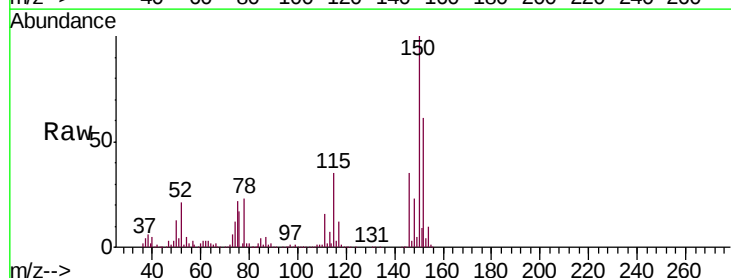
Tgt Ion:152 Resp: 86119

Ion Ratio Lower Upper

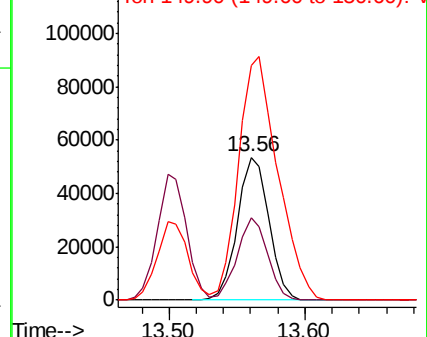
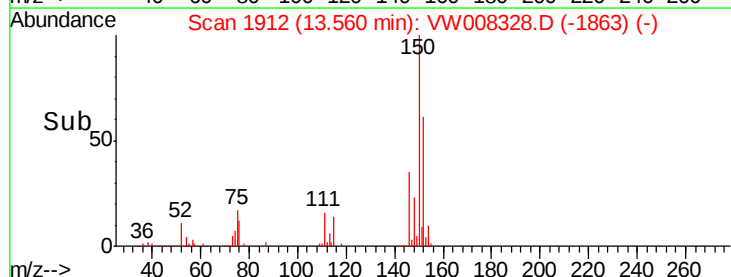
152 100

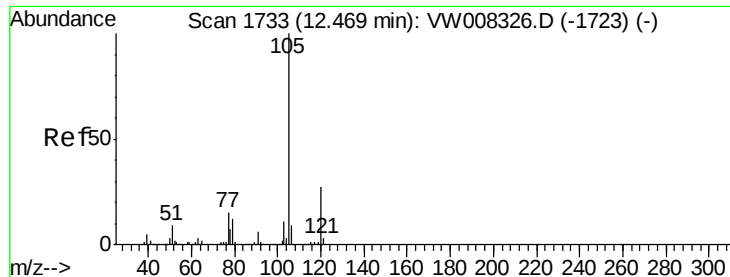
115 56.1 28.8 86.4

150 213.6 0.0 351.4



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





#73

Isopropylbenzene

Concen: 161.246 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

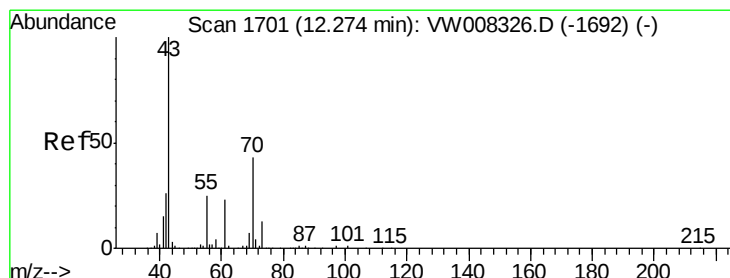
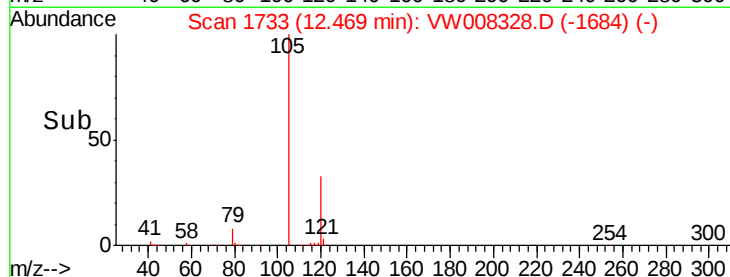
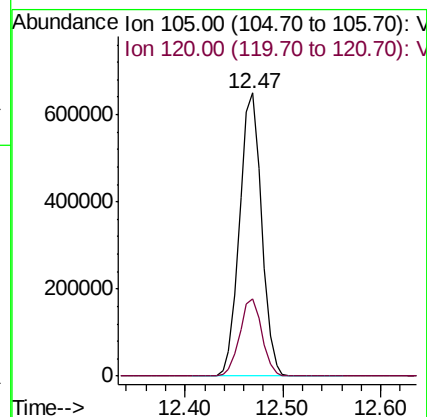
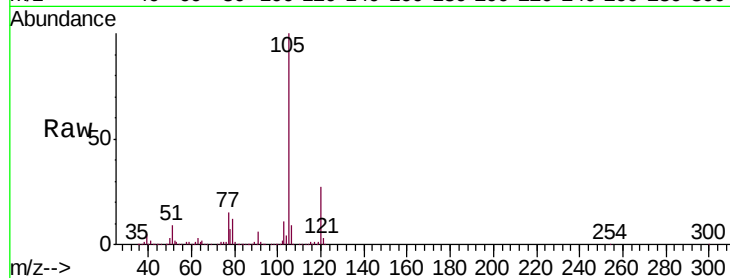
VSTDIC150

Tgt Ion:105 Resp: 1011796

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.8



#74

N-ethyl acetate

Concen: 165.139 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Tgt Ion: 43 Resp: 222066

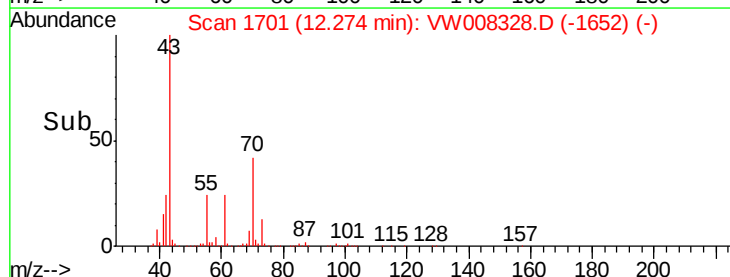
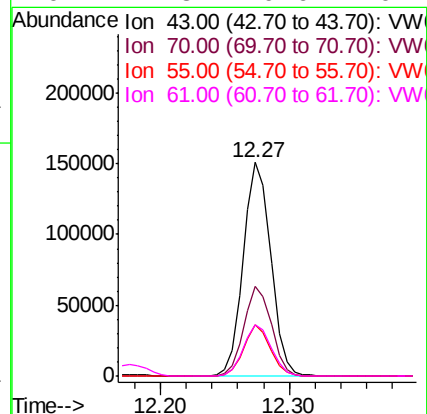
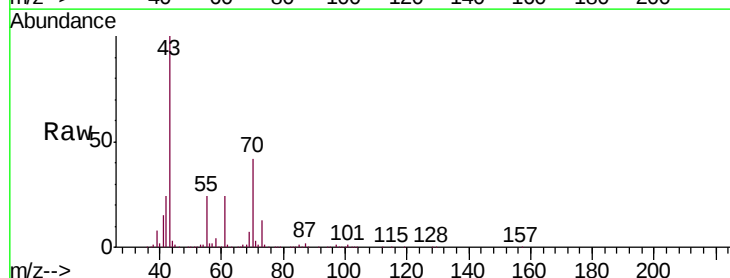
Ion Ratio Lower Upper

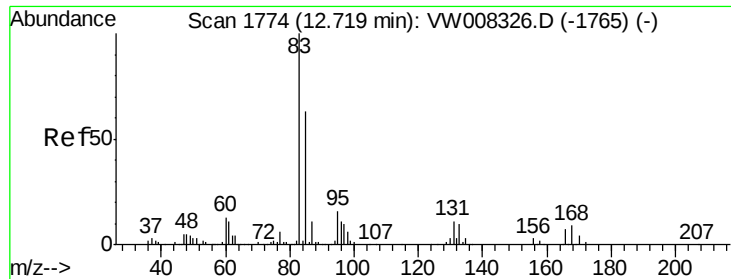
43 100

70 42.3 34.6 52.0

55 23.3 20.0 30.0

61 24.3 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 150.627 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

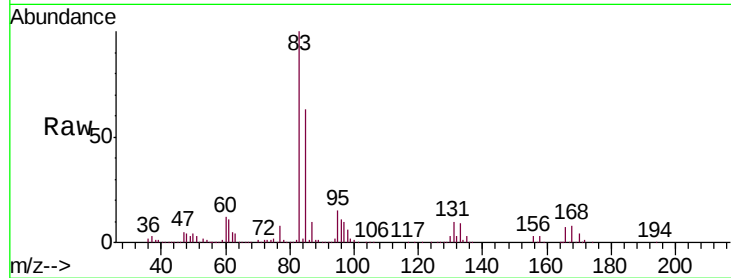
Tgt Ion: 83 Resp: 160766

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

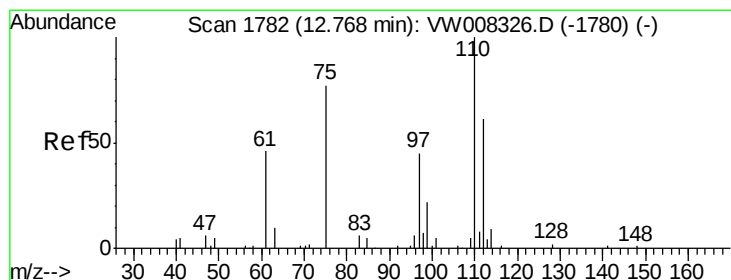
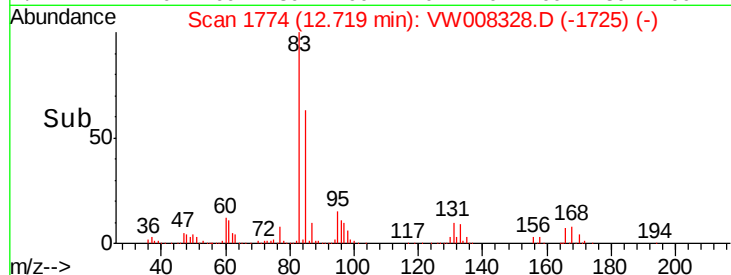
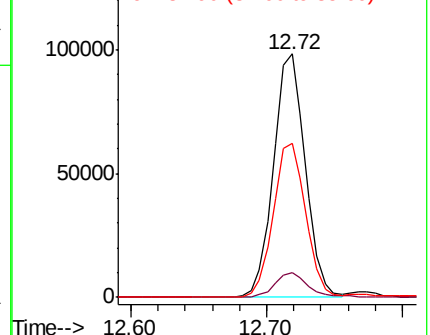
85 64.6 31.6 94.7



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: 261.643 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008328.D

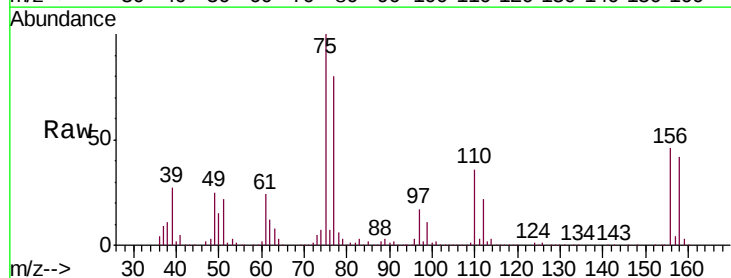
Acq: 17 Jan 2019 14:57

Tgt Ion: 75 Resp: 219038

Ion Ratio Lower Upper

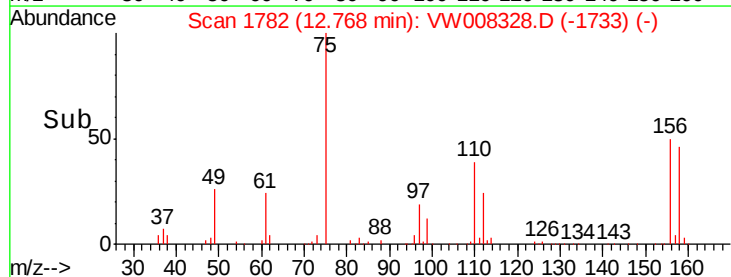
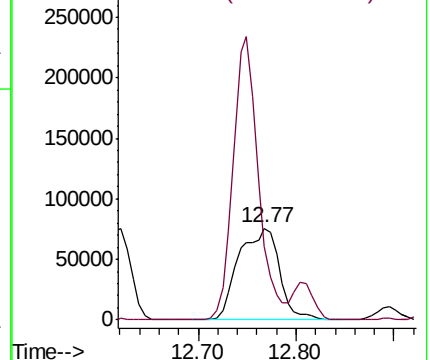
75 100

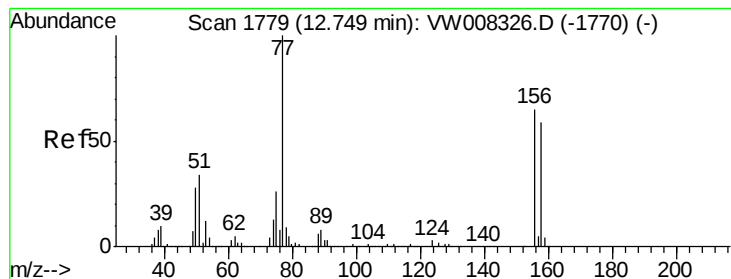
77 192.5 175.3 526.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 159.427 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

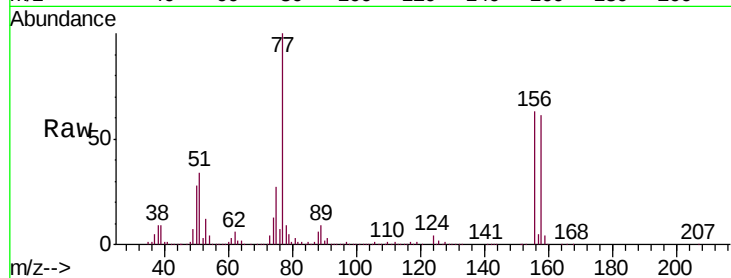
Tgt Ion:156 Resp: 240290

Ion Ratio Lower Upper

156 100

77 175.5 88.3 264.9

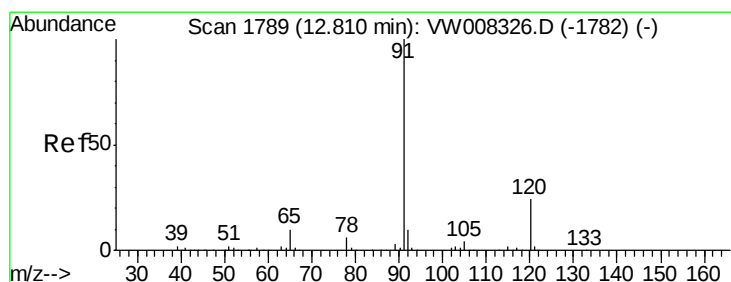
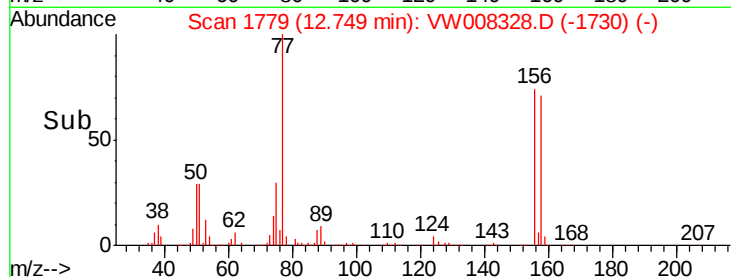
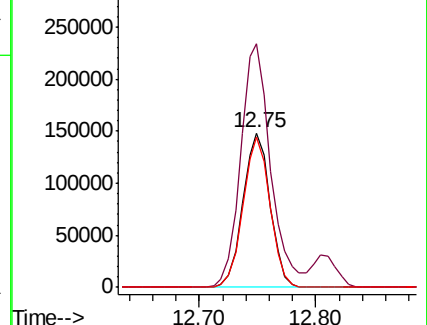
158 96.5 47.6 142.8



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: 160.047 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008328.D

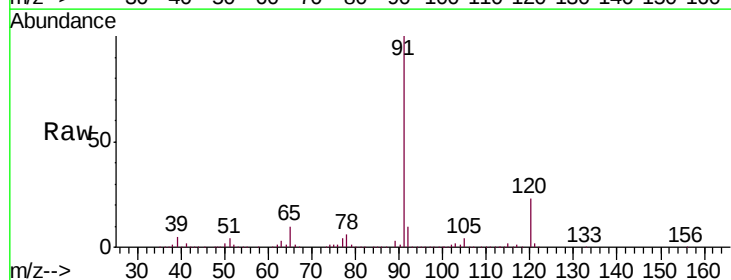
Acq: 17 Jan 2019 14:57

Tgt Ion: 91 Resp: 1215552

Ion Ratio Lower Upper

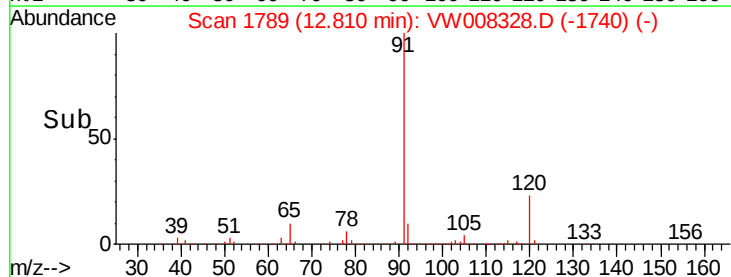
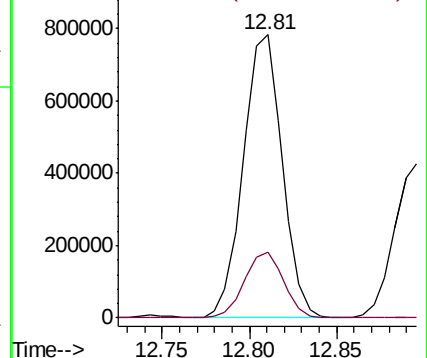
91 100

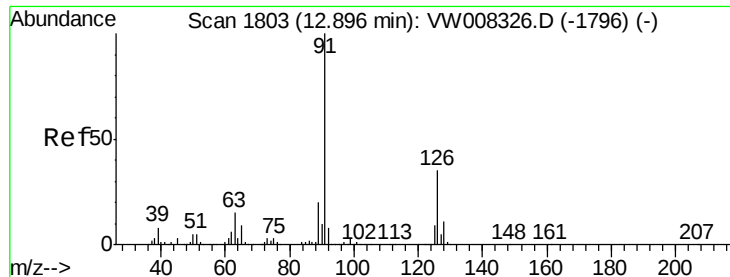
120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 155.661 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

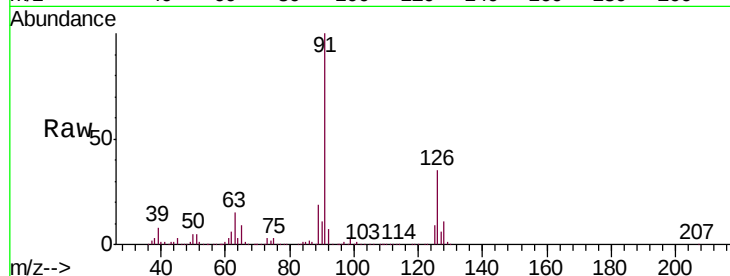
VSTDIC150

Tgt Ion: 91 Resp: 675480

Ion Ratio Lower Upper

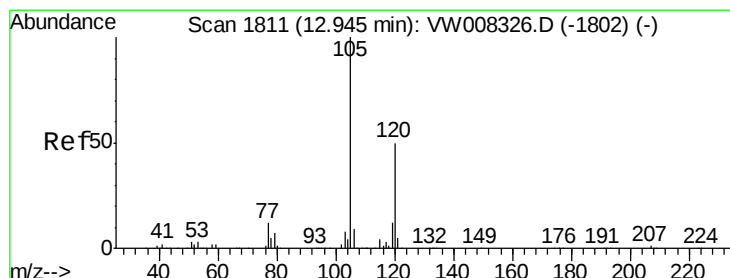
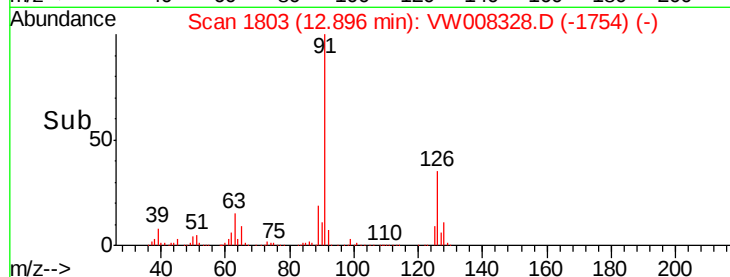
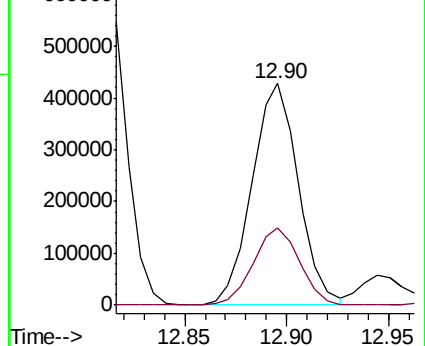
91 100

126 35.0 17.5 52.6



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: 156.465 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008328.D

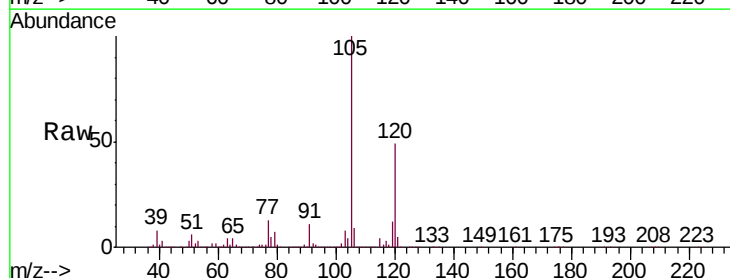
Acq: 17 Jan 2019 14:57

Tgt Ion: 105 Resp: 819281

Ion Ratio Lower Upper

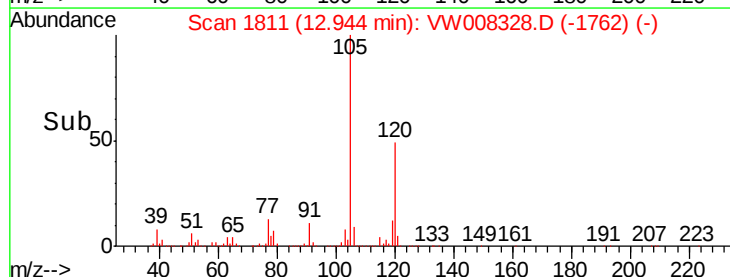
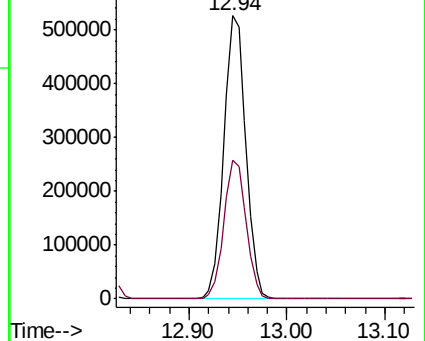
105 100

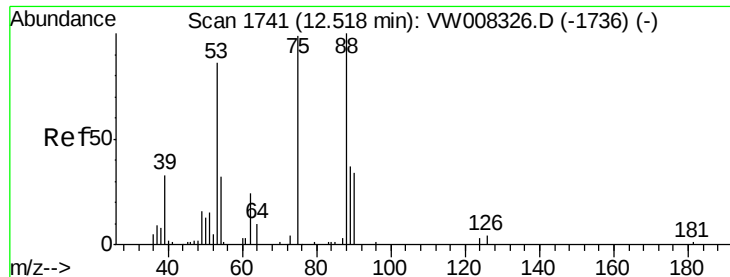
120 49.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 160.993 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

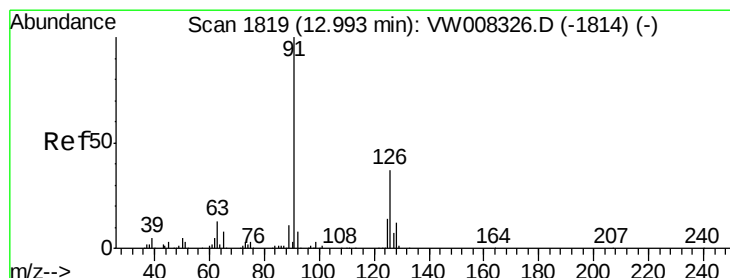
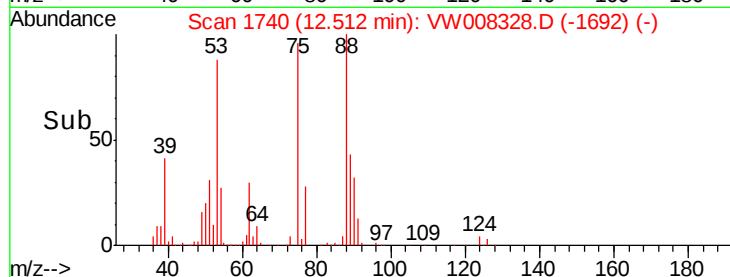
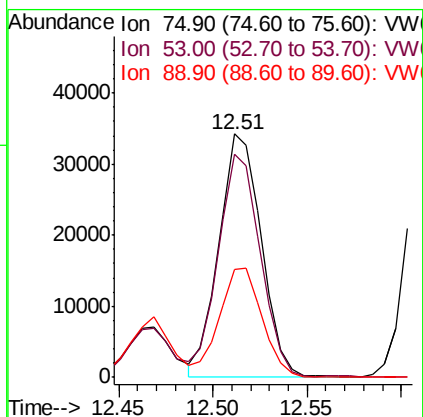
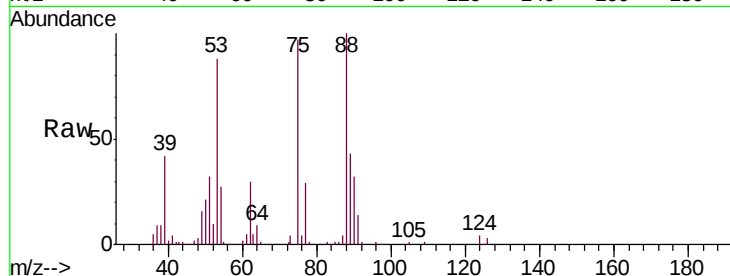
Tgt Ion: 75 Resp: 52907

Ion Ratio Lower Upper

75 100

53 92.2 76.2 114.4

89 45.7 36.7 55.1



#82

4-Chlorotoluene

Concen: 152.863 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008328.D

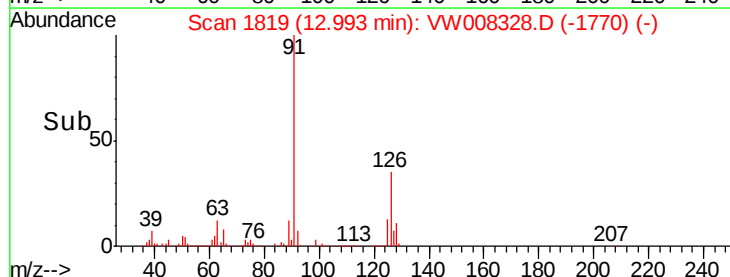
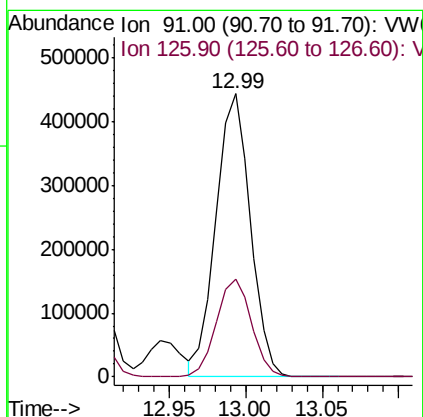
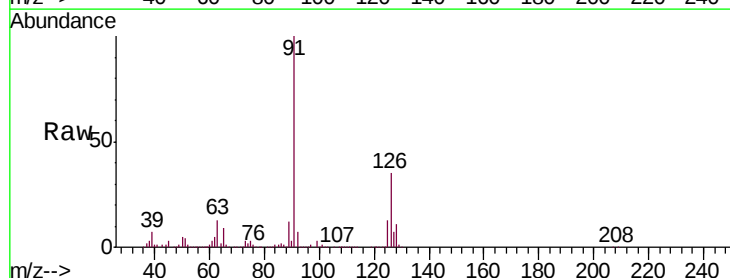
Acq: 17 Jan 2019 14:57

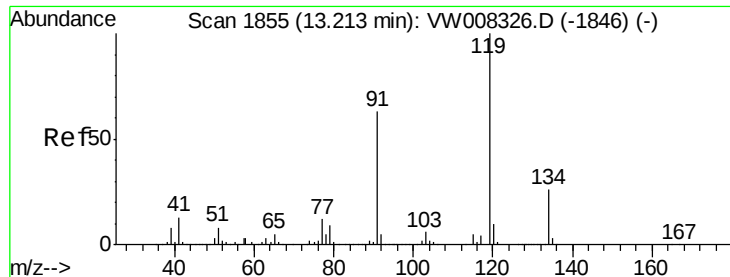
Tgt Ion: 91 Resp: 693176

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3

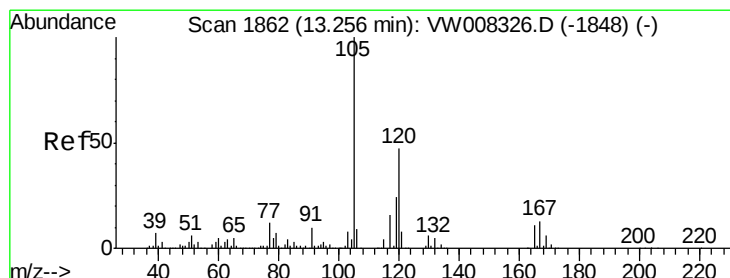
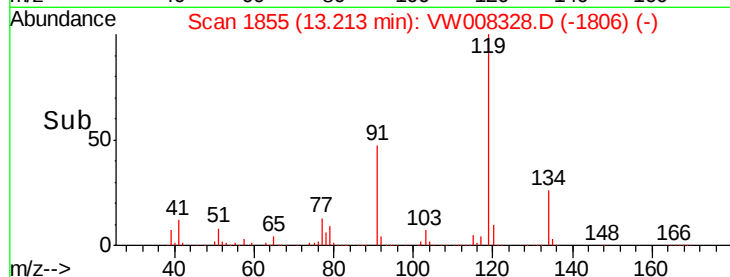
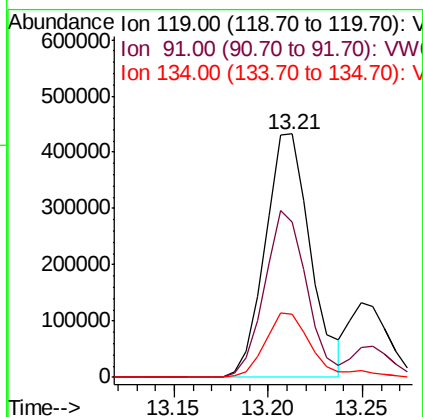
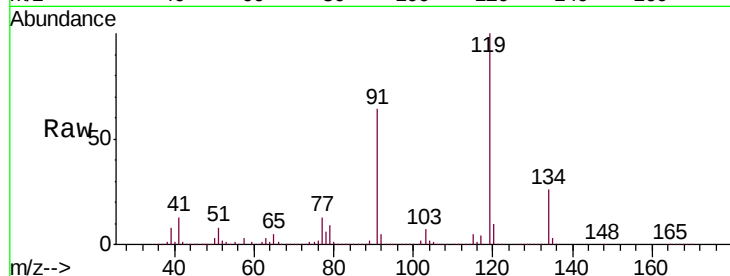




#83
tert-Butylbenzene
Concen: 156.973 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

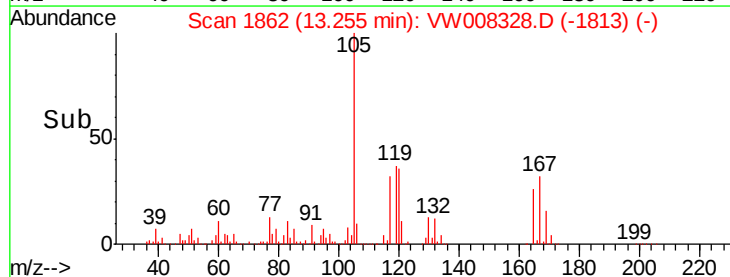
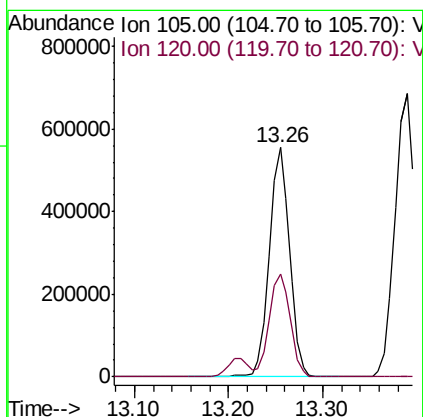
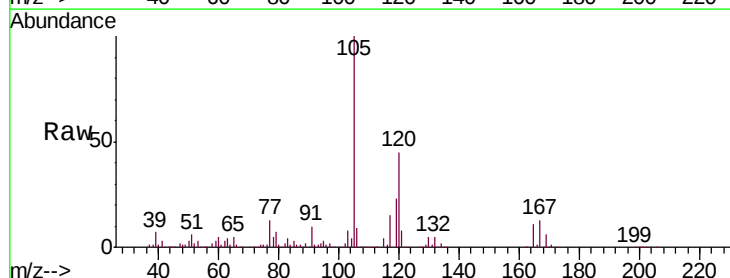
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

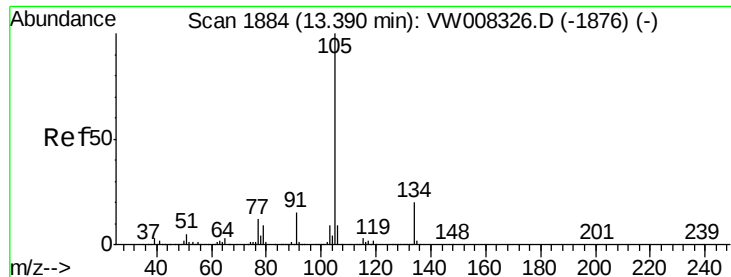
Tgt Ion:119 Resp: 723435
Ion Ratio Lower Upper
119 100
91 63.7 32.4 97.0
134 27.5 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 156.947 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion:105 Resp: 837176
Ion Ratio Lower Upper
105 100
120 46.5 23.5 70.6





#85

sec-Butylbenzene

Concen: 157.370 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

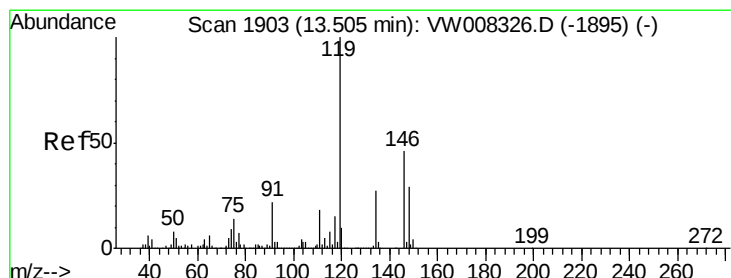
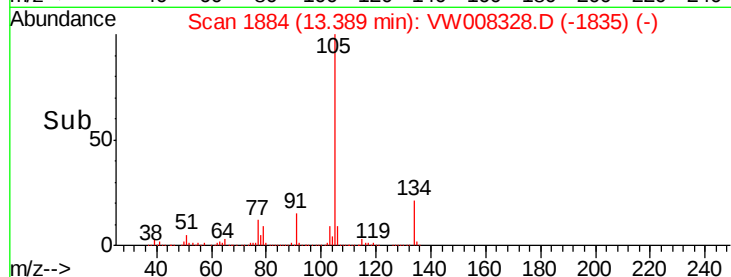
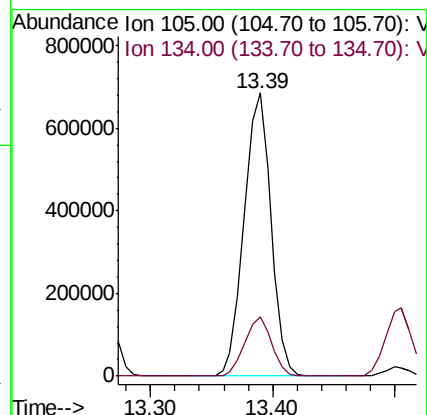
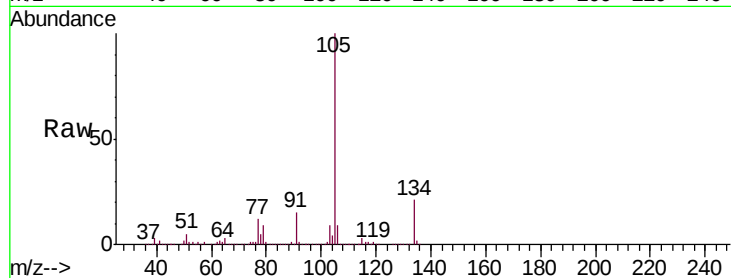
VSTDIC150

Tgt Ion:105 Resp: 1041316

Ion Ratio Lower Upper

105 100

134 21.0 10.1 30.3



#86

p-Isopropyltoluene

Concen: 158.960 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

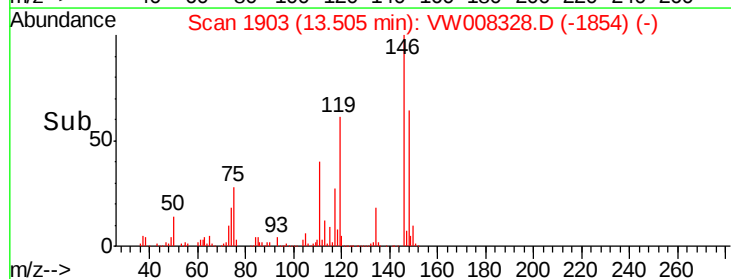
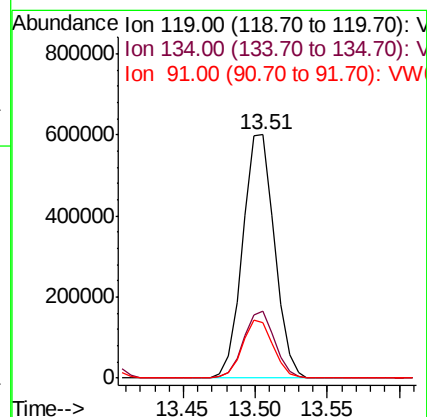
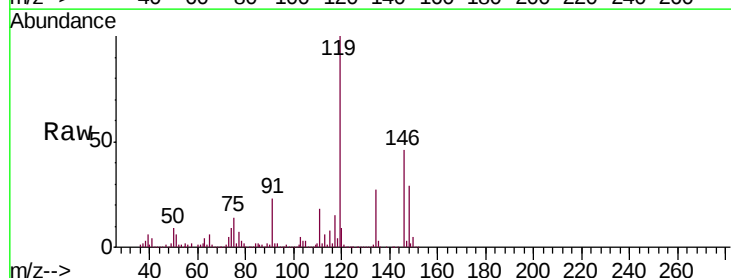
Tgt Ion:119 Resp: 918685

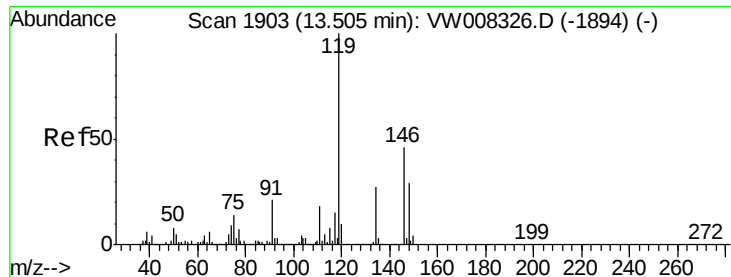
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 23.2 11.4 34.2

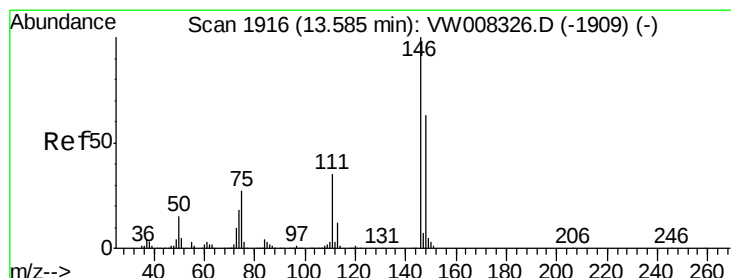
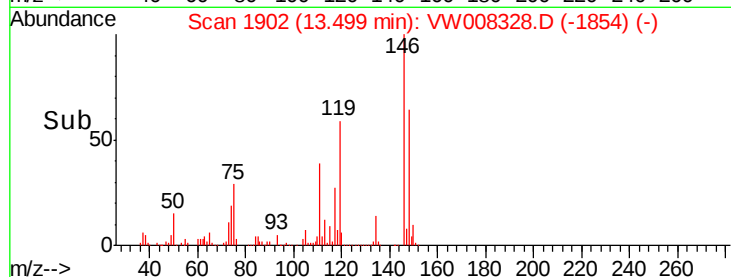
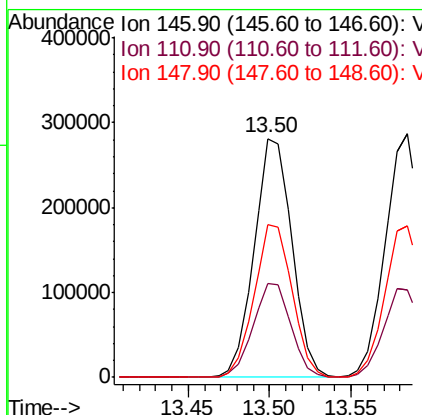
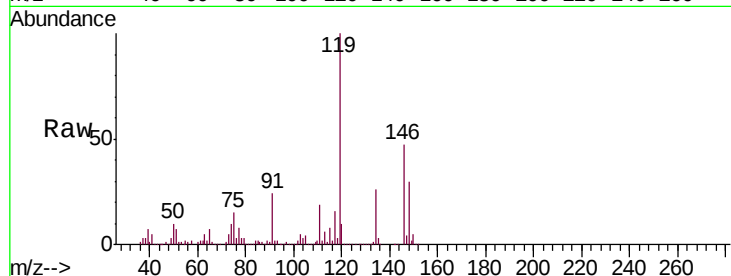




#87
 1,3-Dichlorobenzene
 Concen: 151.315 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

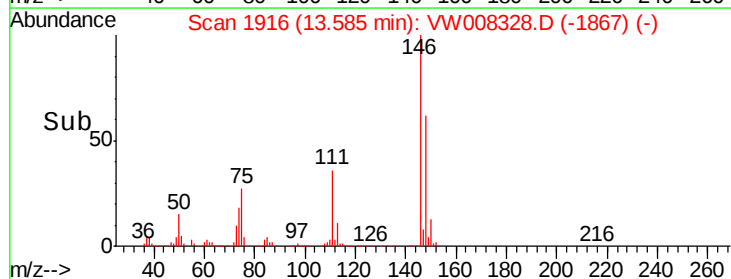
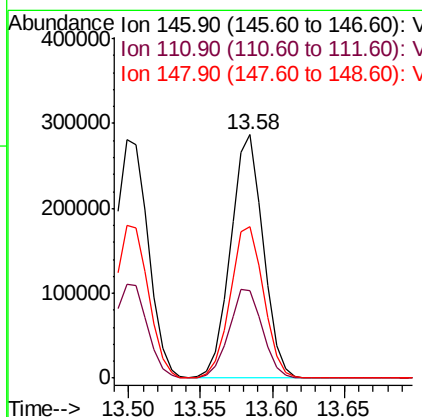
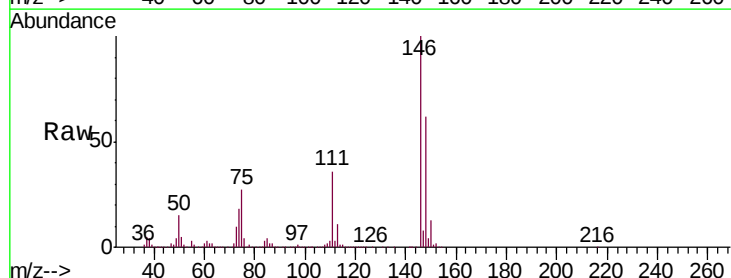
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

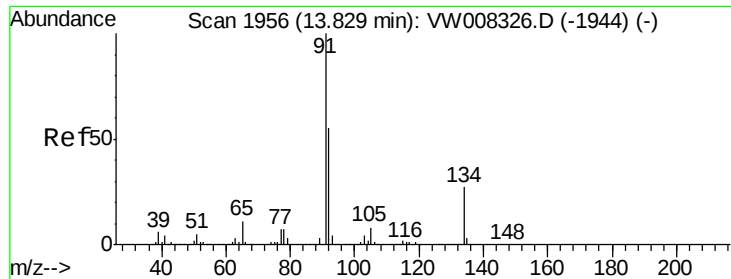
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	64.5	31.4	94.3



#88
 1,4-Dichlorobenzene
 Concen: 150.886 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	64.1	31.6	94.8





#89

n-Butylbenzene

Concen: 157.659 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

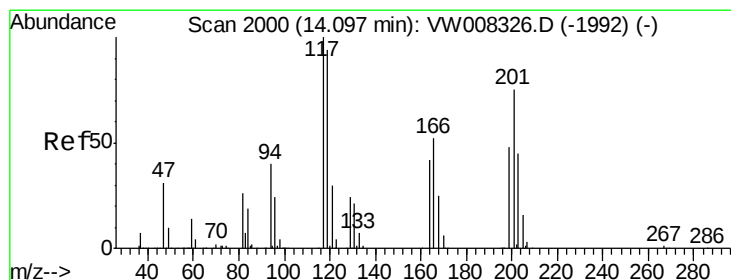
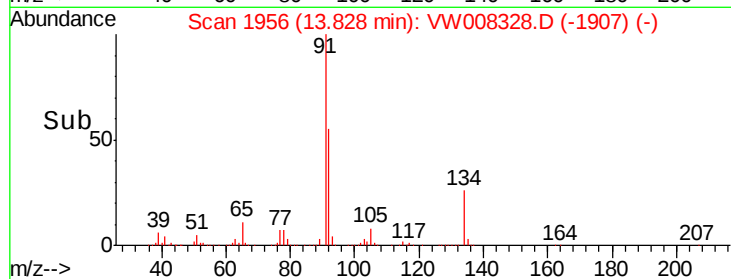
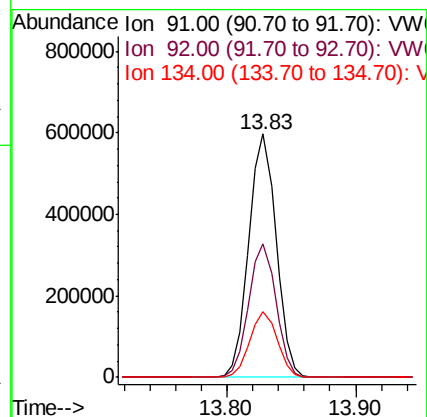
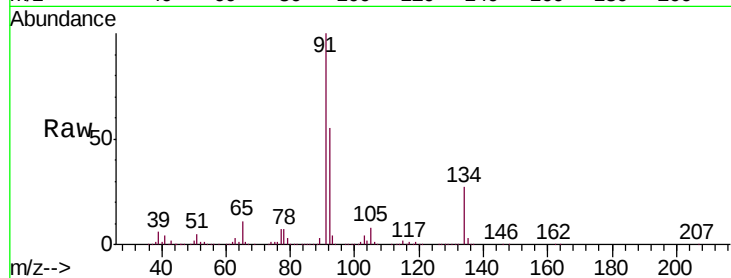
Tgt Ion: 91 Resp: 874007

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.6

134 26.9 13.4 40.1



#90

Hexachloroethane

Concen: 159.232 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008328.D

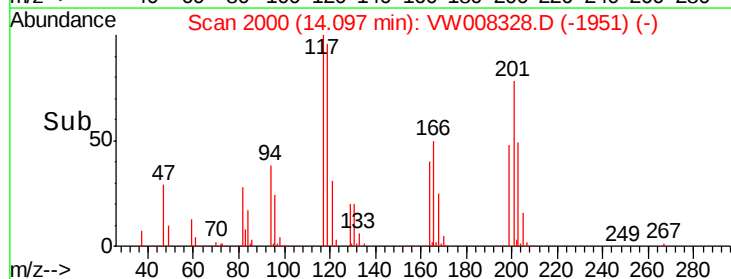
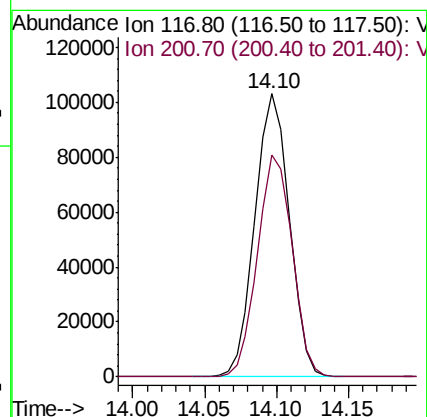
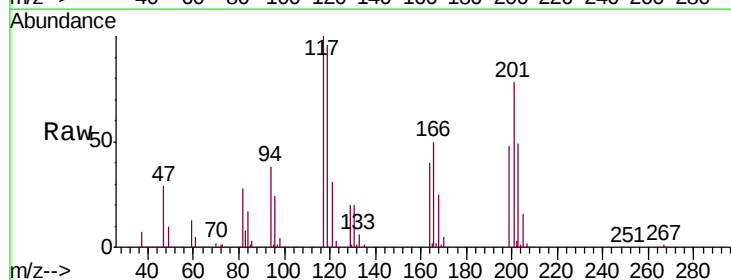
Acq: 17 Jan 2019 14:57

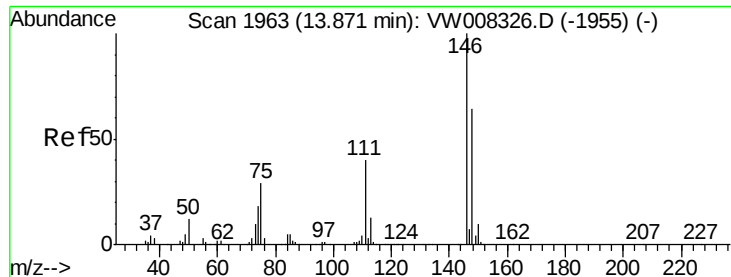
Tgt Ion: 117 Resp: 170304

Ion Ratio Lower Upper

117 100

201 79.2 39.3 117.9





#91

1,2-Dichlorobenzene

Concen: 152.354 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

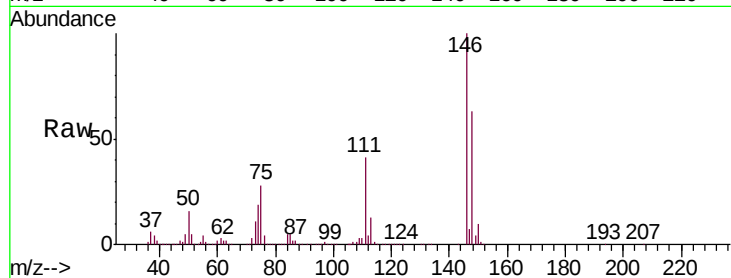
Tgt Ion:146 Resp: 402826

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.8

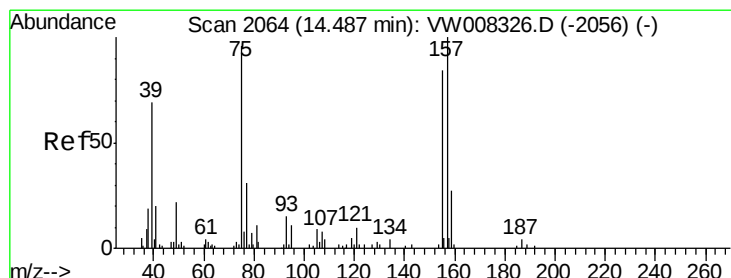
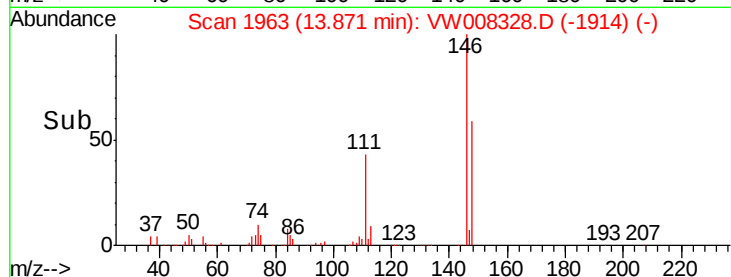
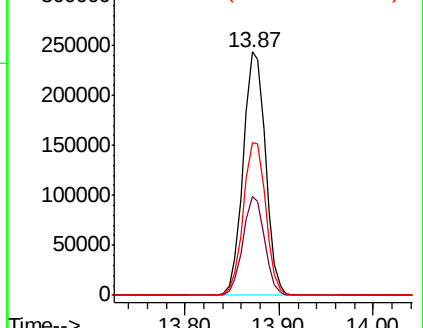
148 63.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 146.555 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008328.D

Acq: 17 Jan 2019 14:57

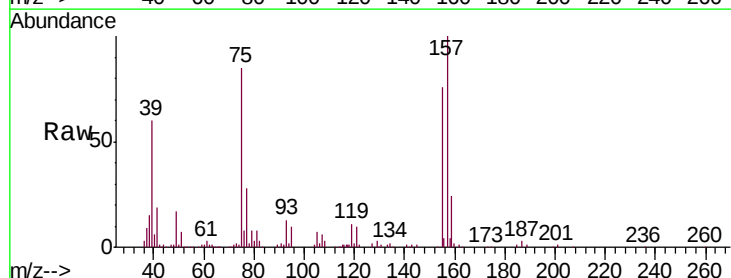
Tgt Ion: 75 Resp: 25577

Ion Ratio Lower Upper

75 100

155 92.4 44.7 134.1

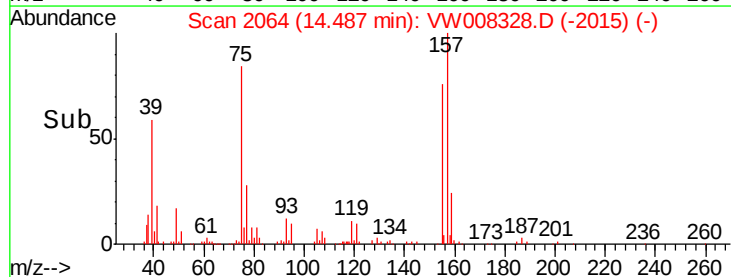
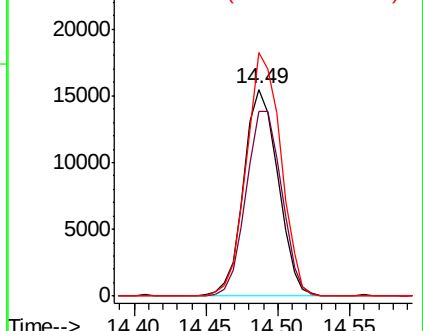
157 118.5 53.9 161.8

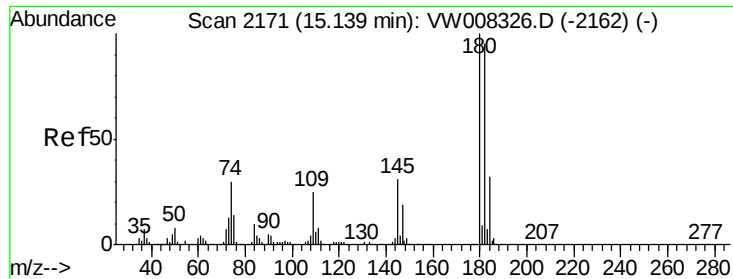


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

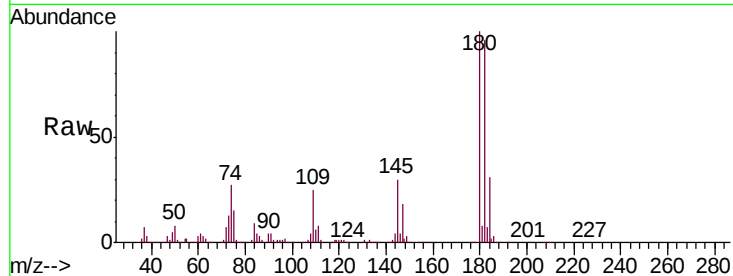




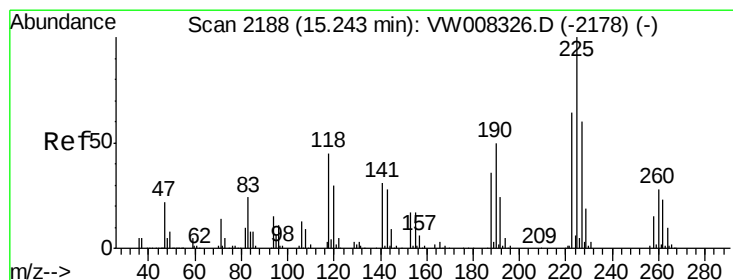
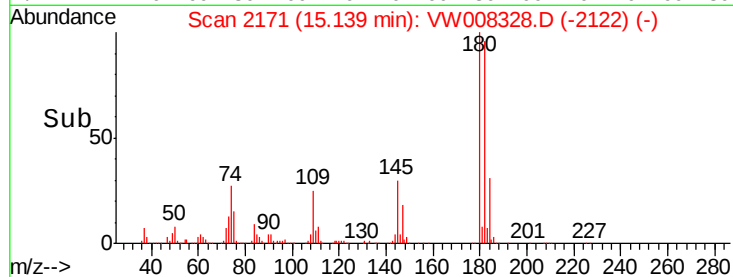
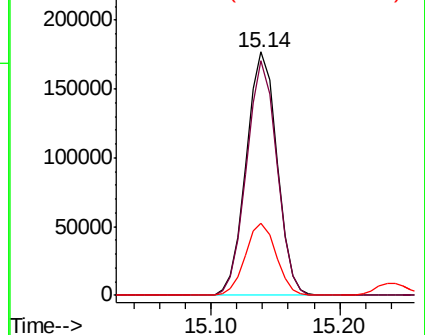
#93
 1,2,4-Trichlorobenzene
 Concen: 162.582 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 290993
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.8
 145 29.6 14.8 44.4

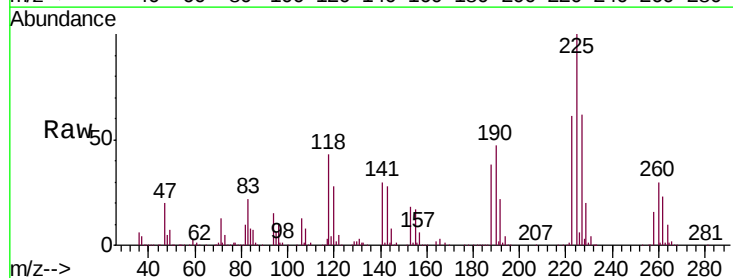


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

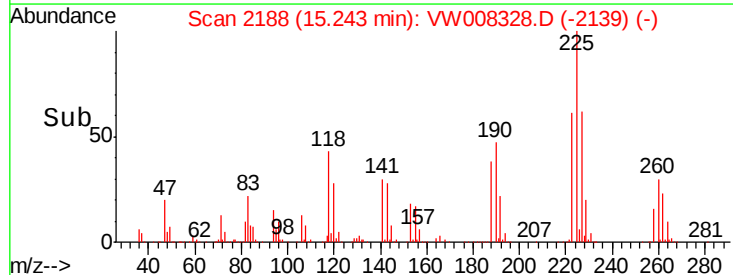
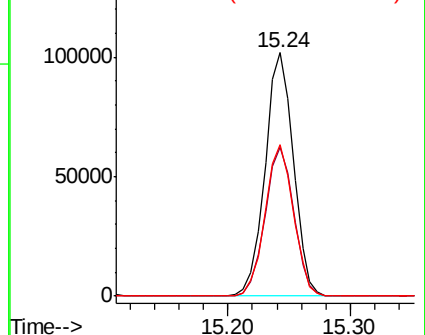


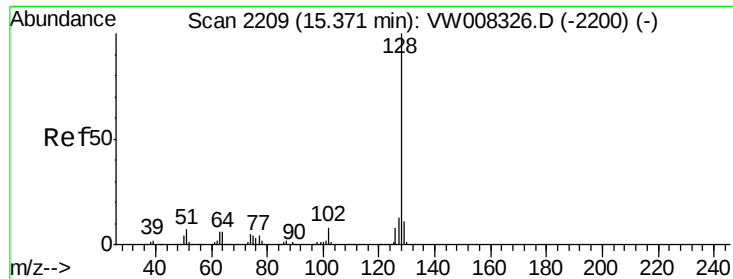
#94
 Hexachlorobutadiene
 Concen: 162.565 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008328.D
 Acq: 17 Jan 2019 14:57

Tgt Ion:225 Resp: 163982
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.3
 227 62.4 30.3 90.8



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

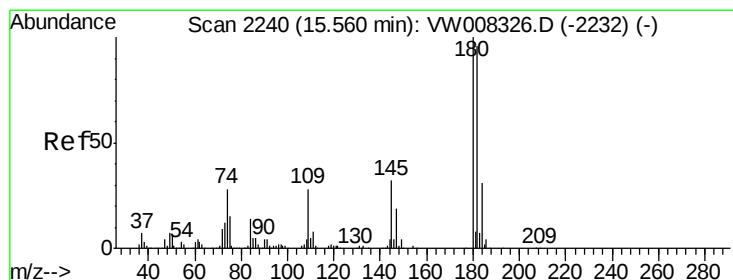
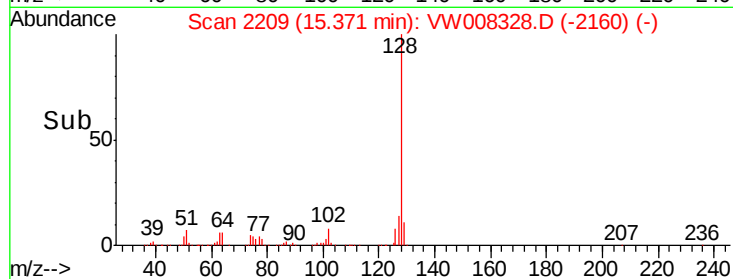
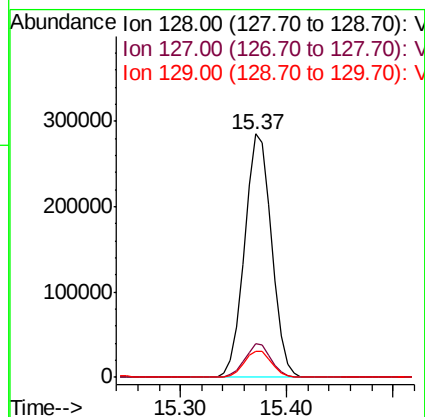
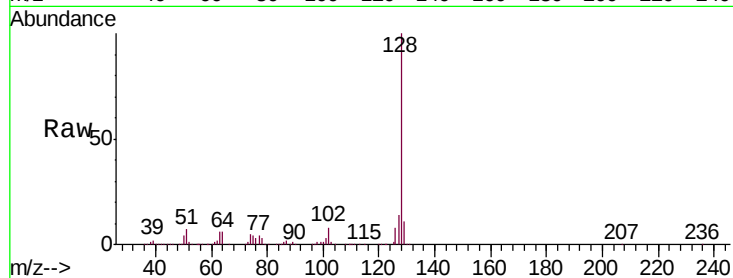




#95
Naphthalene
Concen: 170.167 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 508937
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 159.024 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008328.D
Acq: 17 Jan 2019 14:57

Tgt Ion:180 Resp: 247914
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.9
145 32.0 16.2 48.6

