

Data File : VW008326.D
Acq On : 17 Jan 2019 14:05
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Quant Time: Jan 18 00:30:46 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	108552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	177531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58034	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.88	113	57971	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.32	98	233585	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.62	95	82509	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35455	51.836	ug/l	100
3) Chloromethane	2.21	50	45668	45.547	ug/l	100
4) Vinyl Chloride	2.37	62	61818	48.254	ug/l	100
5) Bromomethane	2.78	94	46661	48.061	ug/l	100
6) Chloroethane	2.93	64	42566	50.762	ug/l	100
7) Trichlorofluoromethane	3.26	101	47556	50.557	ug/l	100
8) Diethyl Ether	3.68	74	32704	50.138	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54058	49.362	ug/l	100
10) Methyl Iodide	4.26	142	91395	51.746	ug/l	100
11) Tert butyl alcohol	5.17	59	18621	238.558	ug/l	100
12) 1,1-Dichloroethene	4.03	96	55749	50.052	ug/l	100
13) Acrolein	3.89	56	22865	341.029	ug/l	100
14) Allyl chloride	4.66	41	96142	51.632	ug/l	100
15) Acrylonitrile	5.37	53	65030	259.534	ug/l	100
16) Acetone	4.12	43	66780	254.653	ug/l	100
17) Carbon Disulfide	4.37	76	179174	52.865	ug/l	100
18) Methyl Acetate	4.67	43	33881	48.367	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	90749	53.224	ug/l	100
20) Methylene Chloride	4.90	84	64126	46.050	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	64103	51.242	ug/l	100
22) Diisopropyl ether	6.31	45	196974	54.183	ug/l	100
23) Vinyl Acetate	6.25	43	533134	274.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	113076	51.085	ug/l	100
25) 2-Butanone	7.17	43	87266	259.815	ug/l	100
26) 2,2-Dichloropropane	7.17	77	70427	49.858	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	70062	51.692	ug/l	100
28) Bromochloromethane	7.51	49	47816	52.433	ug/l #	100
29) Tetrahydrofuran	7.52	42	55576	265.417	ug/l	100
30) Chloroform	7.67	83	114421	52.246	ug/l	100
31) Cyclohexane	7.95	56	101398	48.079	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	92586	50.373	ug/l	100
36) 1,1-Dichloropropene	8.08	75	91295	51.114	ug/l	100
37) Ethyl Acetate	7.25	43	35761	48.552	ug/l	100
38) Carbon Tetrachloride	8.07	117	87752	49.754	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	110607	52.061	ug/l	100
40) Benzene	8.32	78	259648	51.319	ug/l	100
41) Methacrylonitrile	7.48	41	22374	52.181	ug/l	100
42) 1,2-Dichloroethane	8.40	62	72943	51.558	ug/l	100
43) Isopropyl Acetate	8.43	43	72344	51.998	ug/l	100
44) Trichloroethene	9.09	130	71722	51.742	ug/l	100
45) 1,2-Dichloropropane	9.37	63	63873	50.823	ug/l	100
46) Dibromomethane	9.46	93	32942	50.292	ug/l	100
47) Bromodichloromethane	9.65	83	84422	52.251	ug/l	100
48) Methyl methacrylate	9.44	41	35090	53.576	ug/l	100
49) 1,4-Dioxane	9.45	88	10299	976.720	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	186184	264.282	ug/l	100
52) Toluene	10.39	92	167220	52.226	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	86087	53.385	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	100954	53.107	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	46784	51.495	ug/l	100
56) Ethyl methacrylate	10.65	69	58061	54.417	ug/l	100
57) 1,3-Dichloropropane	10.93	76	82414	52.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	141536	275.011	ug/l	100
59) 2-Hexanone	10.97	43	134078	271.627	ug/l	100
60) Dibromochloromethane	11.13	129	56943	52.517	ug/l	100
61) 1,2-Dibromoethane	11.24	107	46485	52.839	ug/l	100
64) Tetrachloroethene	10.87	164	58816	51.023	ug/l	100
65) Chlorobenzene	11.66	112	185188	51.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	63972	51.834	ug/l	100
67) Ethyl Benzene	11.73	91	324728	52.154	ug/l	100
68) m/p-Xylenes	11.84	106	255685	105.799	ug/l	100
69) o-Xylene	12.17	106	119981	53.140	ug/l	100
70) Styrene	12.18	104	194418	53.608	ug/l	100
71) Bromoform	12.35	173	32876	53.473	ug/l	100
73) Isopropylbenzene	12.47	105	320484	52.455	ug/l	100
74) N-amyl acetate	12.27	43	68231	52.112	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	52822	50.829	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	69275	84.987	ug/l	27
77) Bromobenzene	12.75	156	75522	51.462	ug/l	100
78) n-propylbenzene	12.81	91	388053	52.475	ug/l	100
79) 2-Chlorotoluene	12.90	91	218392	51.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	266940	52.358	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	16552	51.729	ug/l	100
82) 4-Chlorotoluene	12.99	91	227931	51.624	ug/l	100
83) tert-Butylbenzene	13.21	119	236295	52.658	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	268702	51.736	ug/l	100
85) sec-Butylbenzene	13.39	105	333652	51.787	ug/l	100
86) p-Isopropyltoluene	13.51	119	296062	52.613	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	149252	51.187	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	149506	51.179	ug/l	100
89) n-Butylbenzene	13.83	91	284521	52.711	ug/l	100
90) Hexachloroethane	14.10	117	52725	50.630	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	133326	51.789	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8513	50.098	ug/l	100

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	92382	53.010	ug/l	100
94) Hexachlorobutadiene	15.24	225	52028	52.973	ug/l	100
95) Naphthalene	15.37	128	161988	55.626	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	79247	52.207	ug/l	100

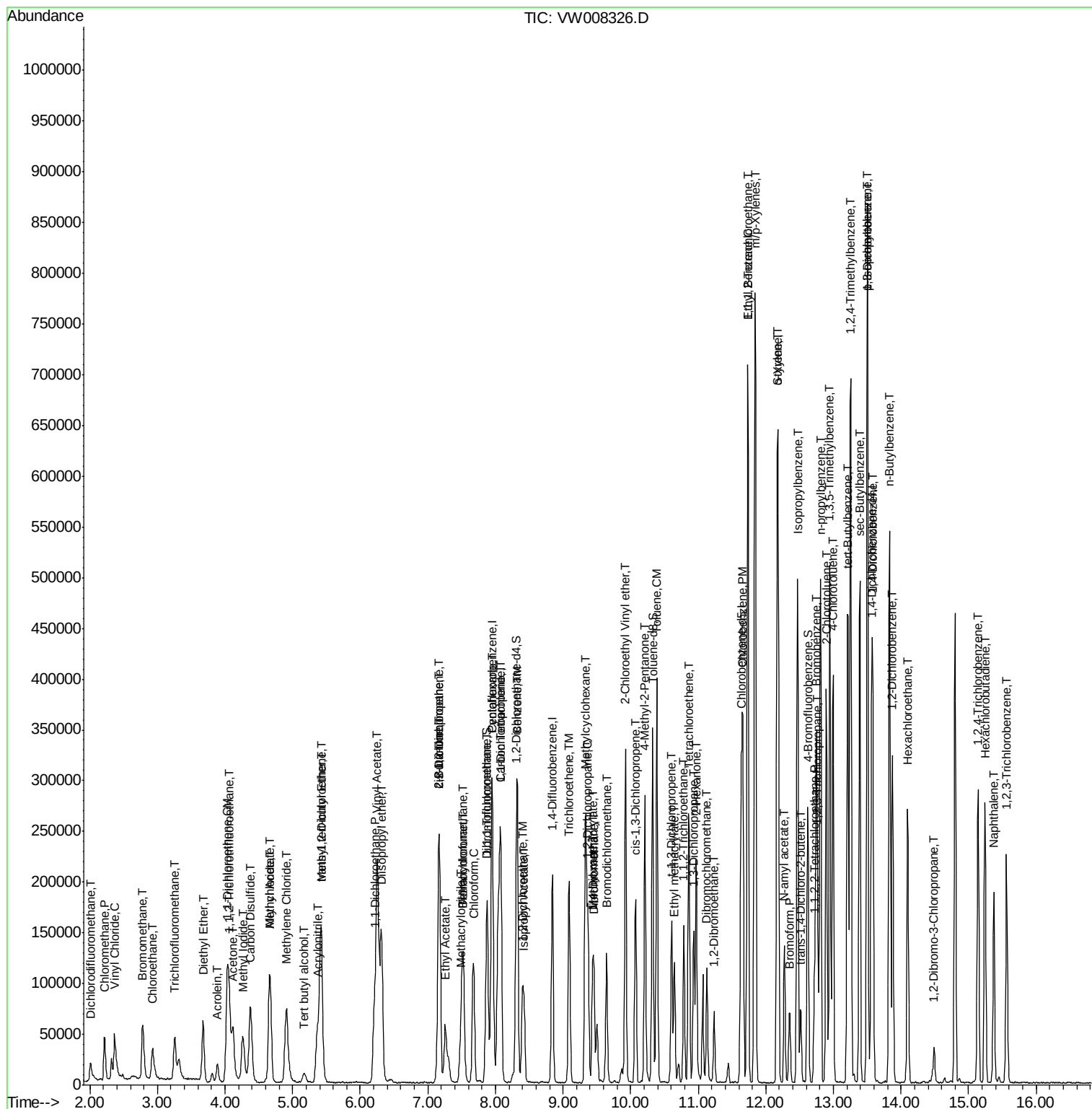
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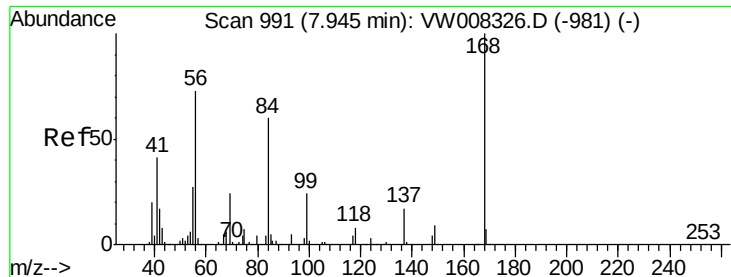
Data File : VW008326.D

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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: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

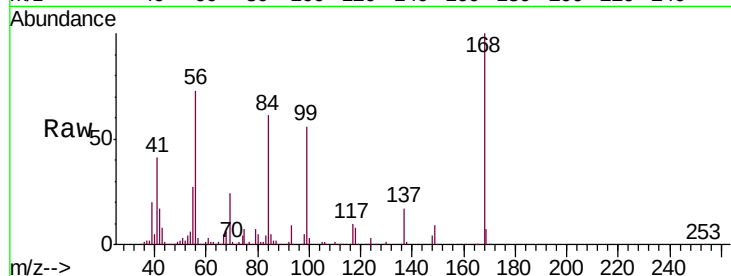
VSTDICCC050

Tgt Ion:168 Resp: 108552

Ion Ratio Lower Upper

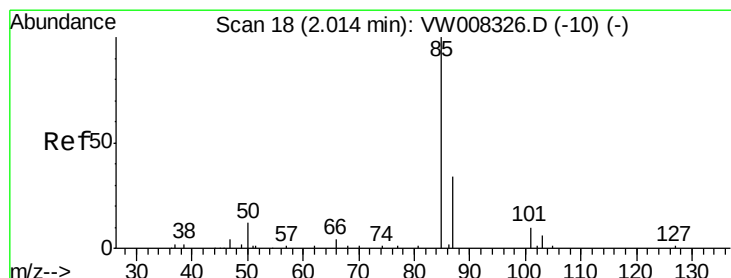
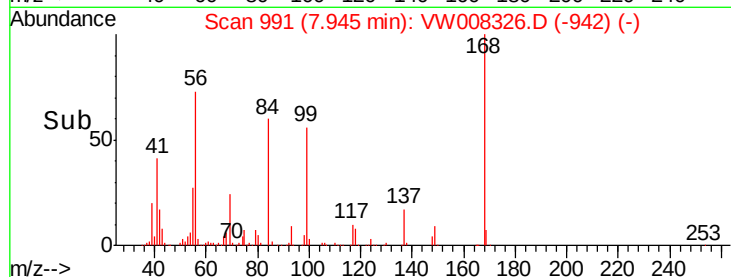
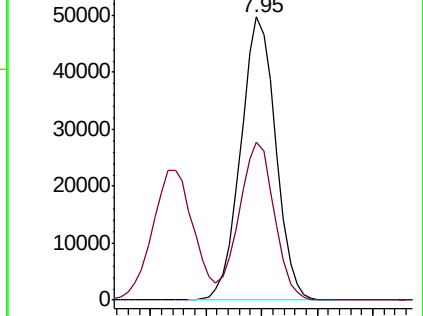
168 100

99 55.7 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 51.836 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008326.D

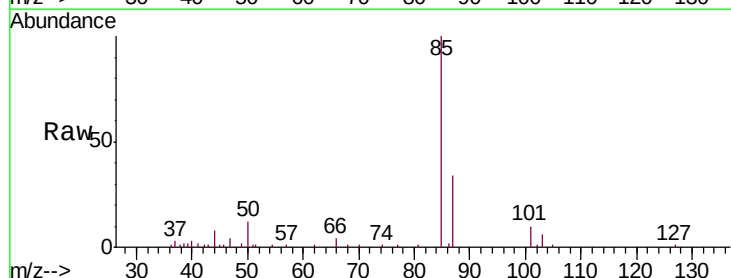
Acq: 17 Jan 2019 14:05

Tgt Ion: 85 Resp: 35455

Ion Ratio Lower Upper

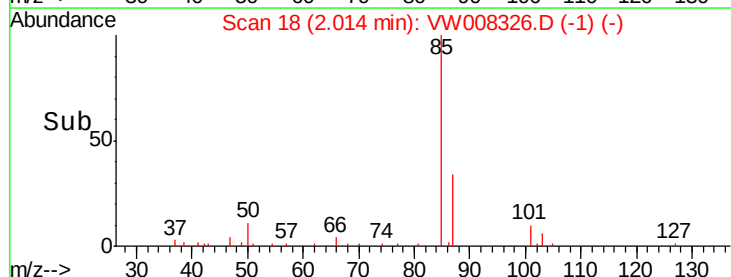
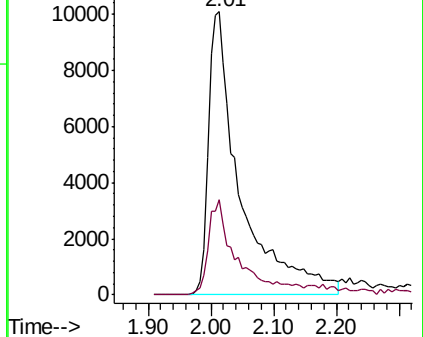
85 100

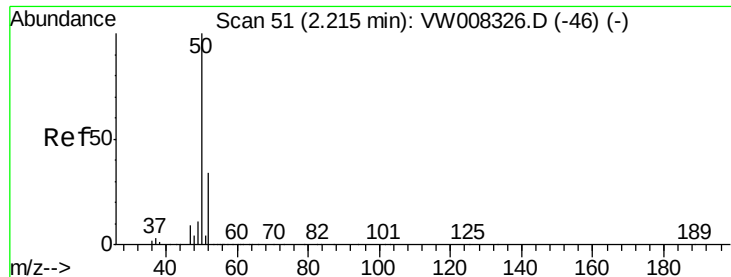
87 33.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.547 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

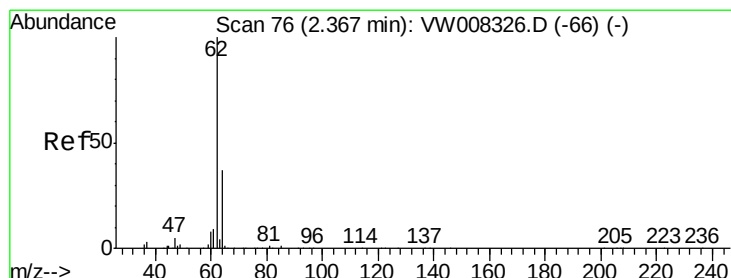
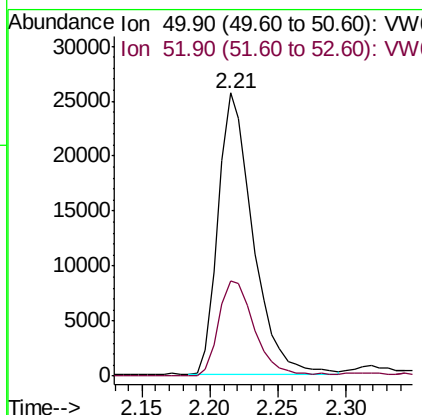
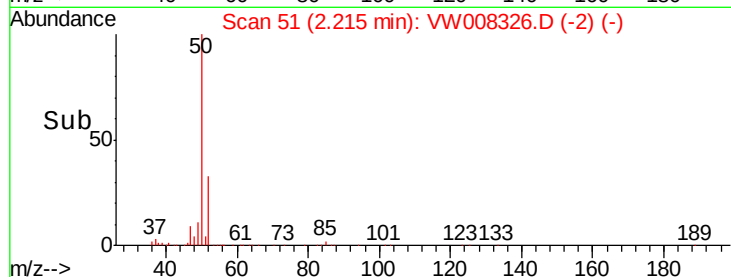
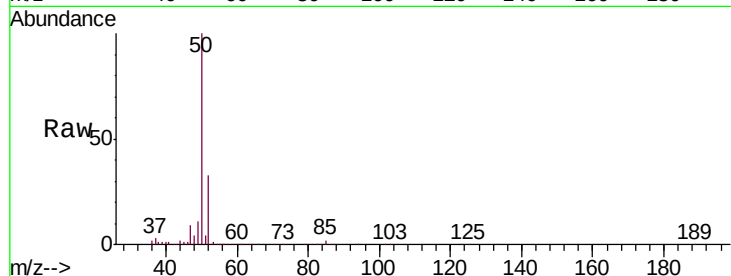
VSTDICCC050

Tgt Ion: 50 Resp: 45668

Ion Ratio Lower Upper

50 100

52 33.4 26.7 40.1



#4

Vinyl Chloride

Concen: 48.254 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008326.D

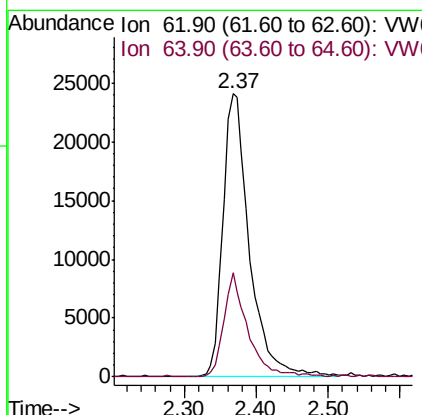
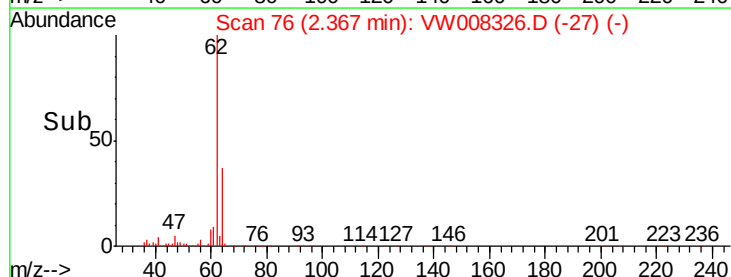
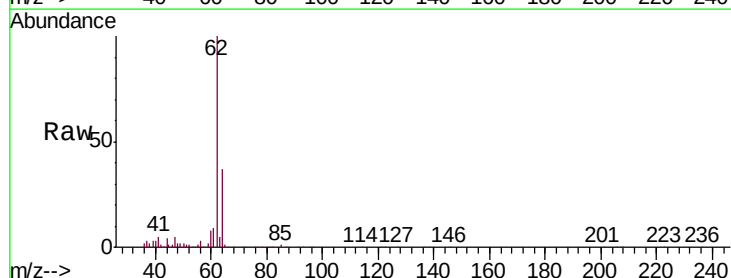
Acq: 17 Jan 2019 14:05

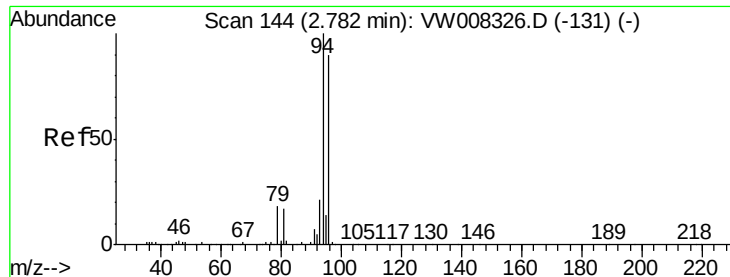
Tgt Ion: 62 Resp: 61818

Ion Ratio Lower Upper

62 100

64 36.8 29.4 44.2





#5

Bromomethane

Concen: 48.061 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

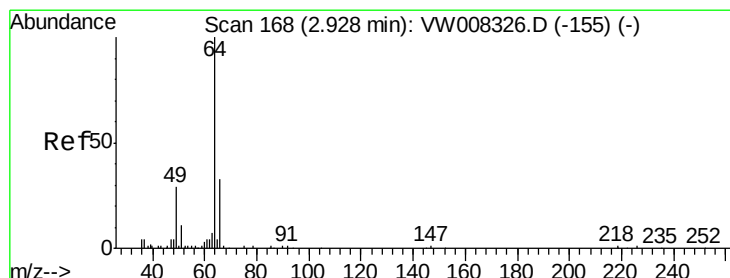
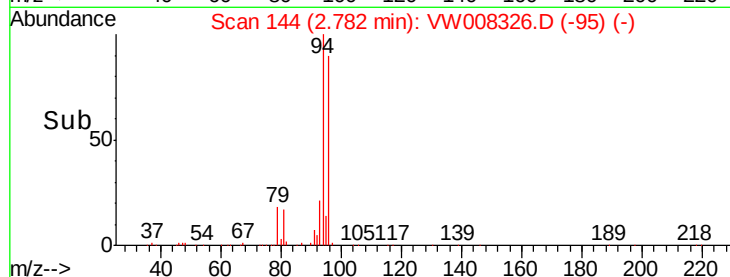
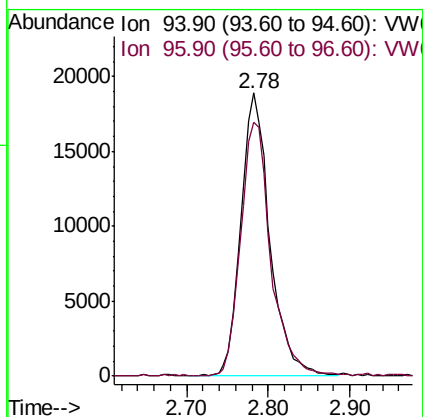
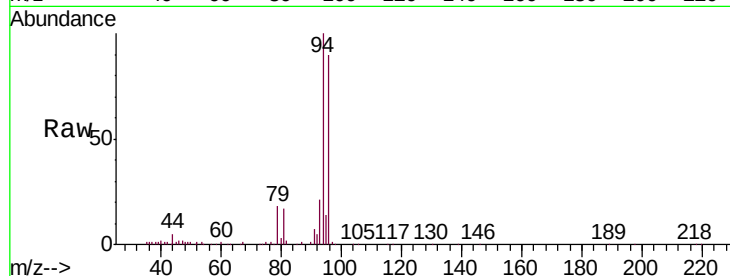
VSTDICCC050

Tgt Ion: 94 Resp: 46661

Ion Ratio Lower Upper

94 100

96 89.2 71.4 107.0



#6

Chloroethane

Concen: 50.762 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008326.D

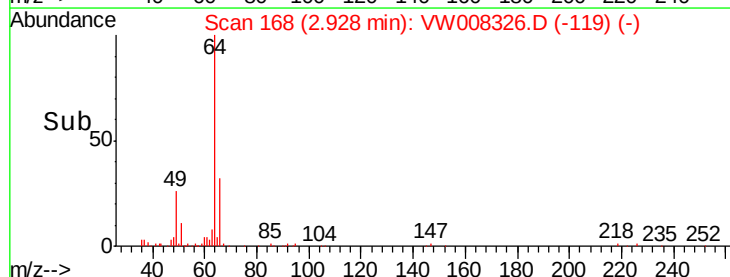
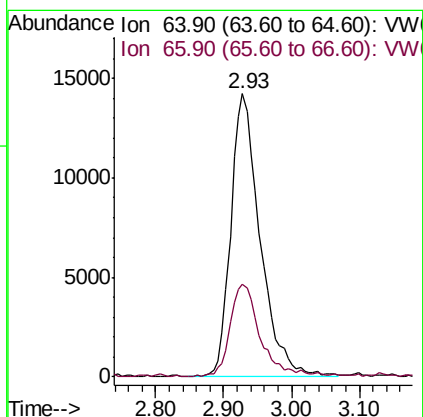
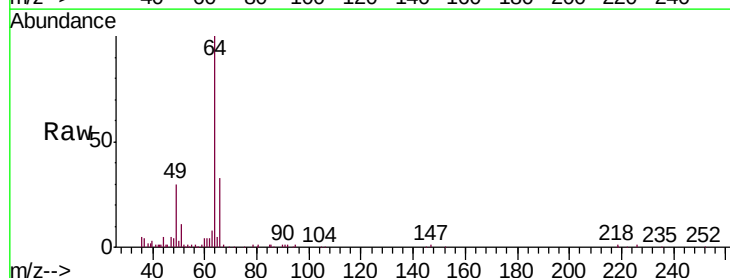
Acq: 17 Jan 2019 14:05

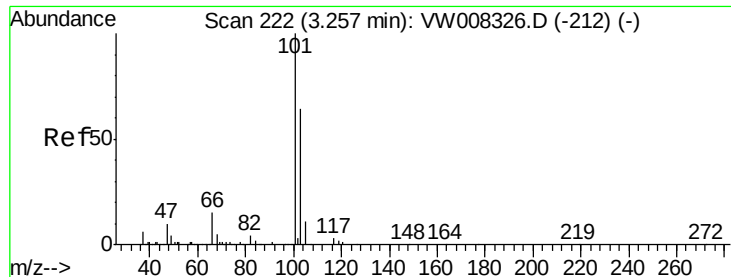
Tgt Ion: 64 Resp: 42566

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4



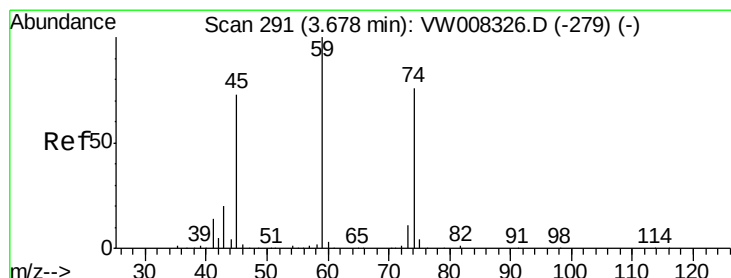
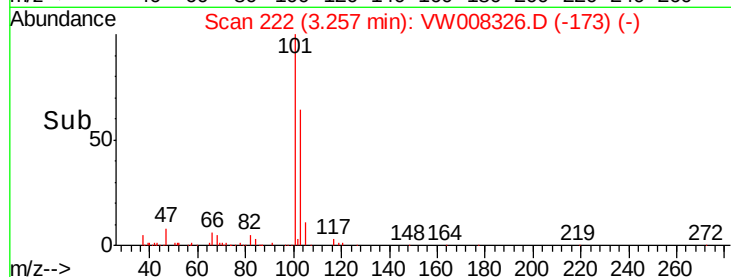
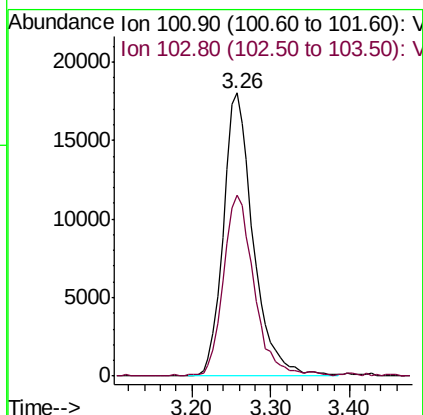
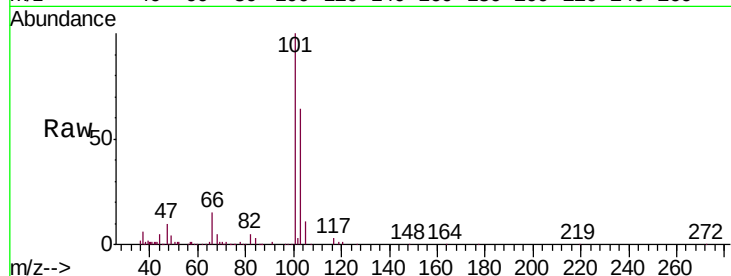


#7

Trichlorofluoromethane
Concen: 50.557 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Instrument :
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ClientSampleId :
VSTDICCC050

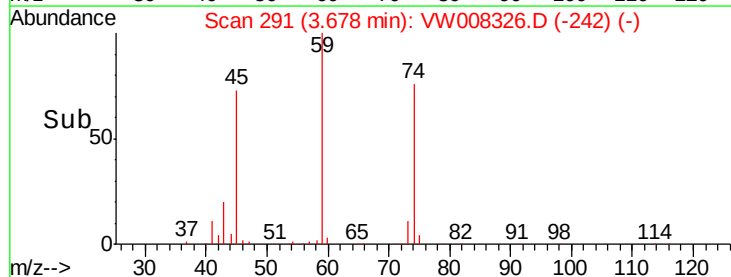
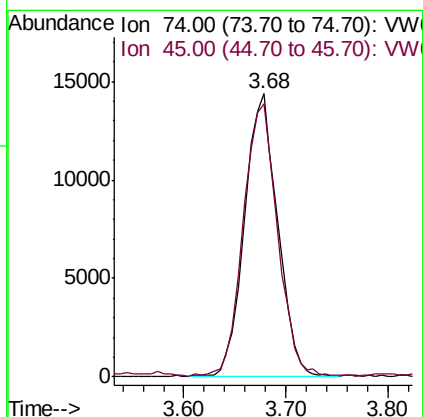
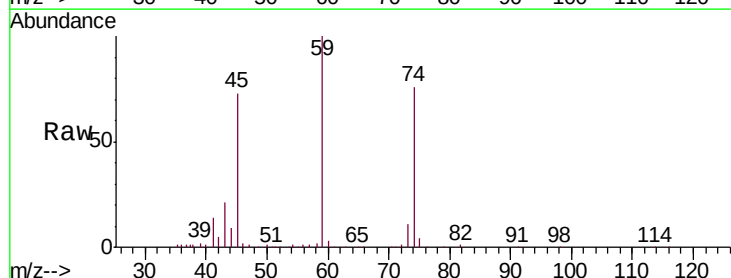
Tgt Ion:101 Resp: 47556
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3

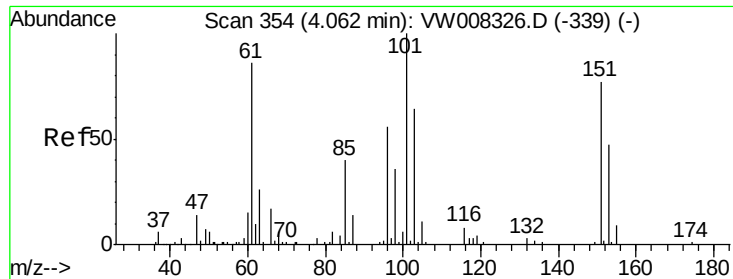


#8

Diethyl Ether
Concen: 50.138 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 74 Resp: 32704
Ion Ratio Lower Upper
74 100
45 100.2 50.1 150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.362 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

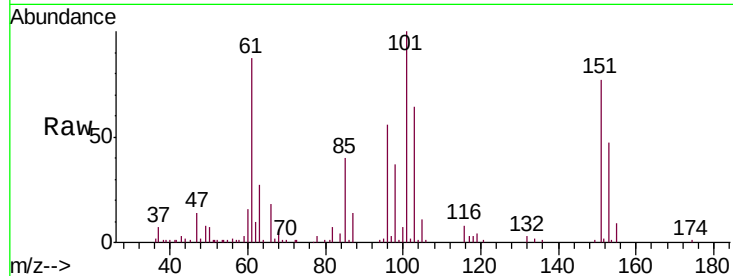
Tgt Ion:101 Resp: 54058

Ion Ratio Lower Upper

101 100

85 45.0 36.0 54.0

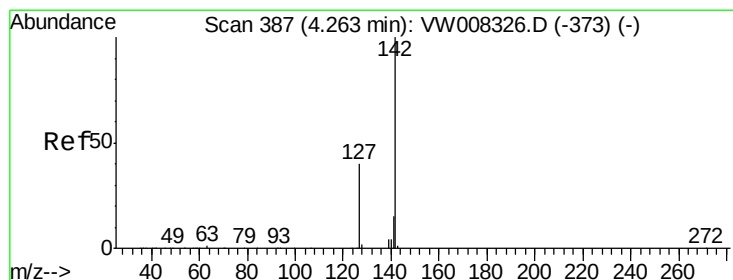
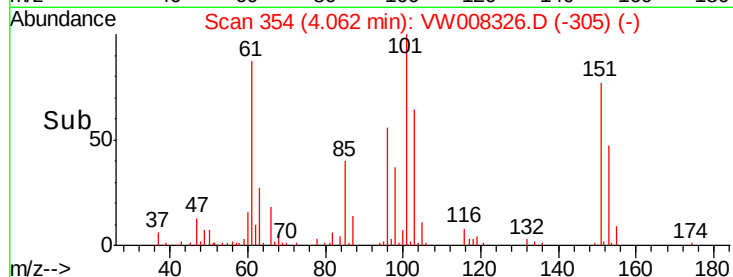
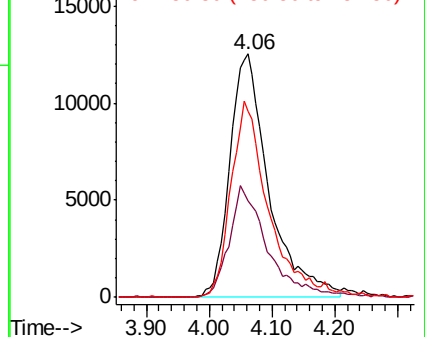
151 77.9 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.746 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

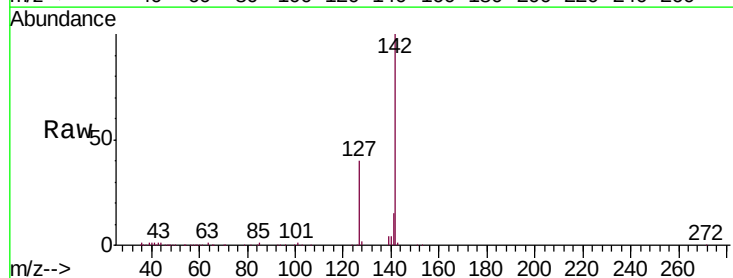
Tgt Ion:142 Resp: 91395

Ion Ratio Lower Upper

142 100

127 42.9 34.3 51.5

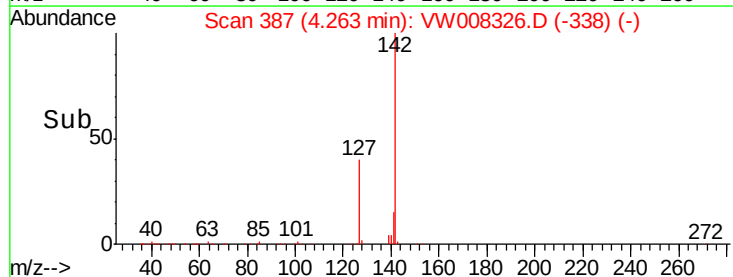
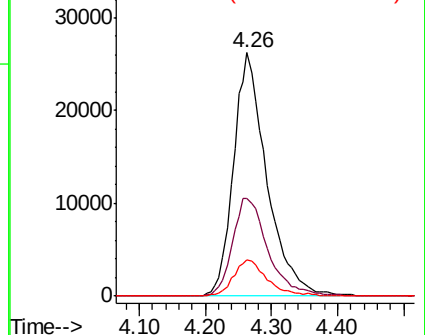
141 15.2 12.2 18.2

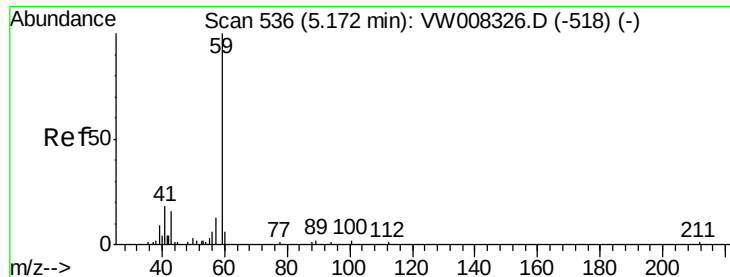


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

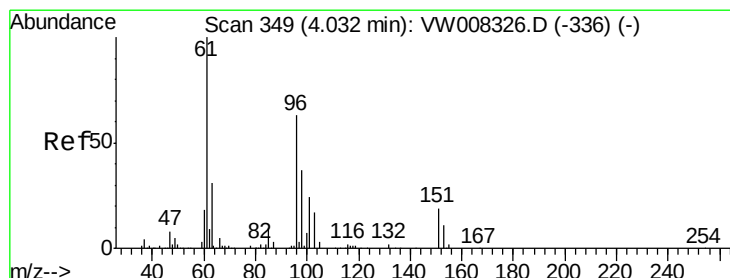
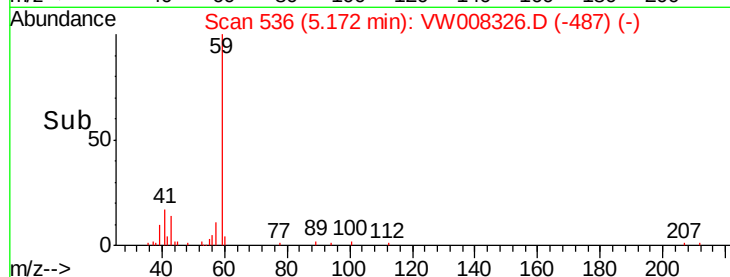
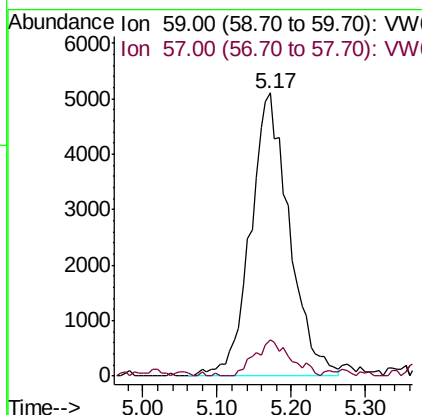
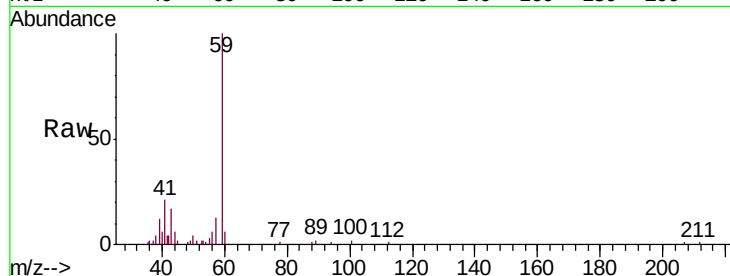




#11
Tert butyl alcohol
Concen: 238.558 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

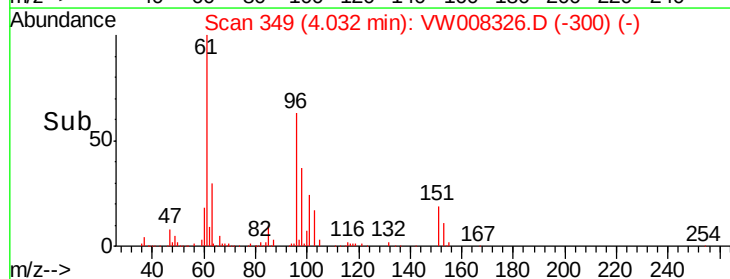
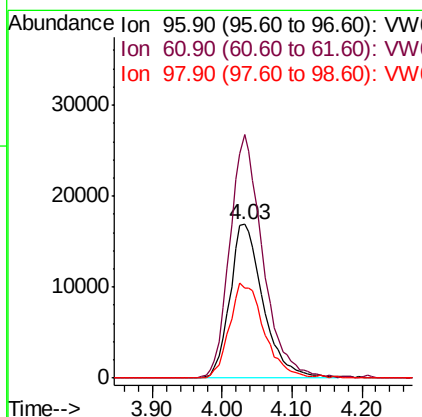
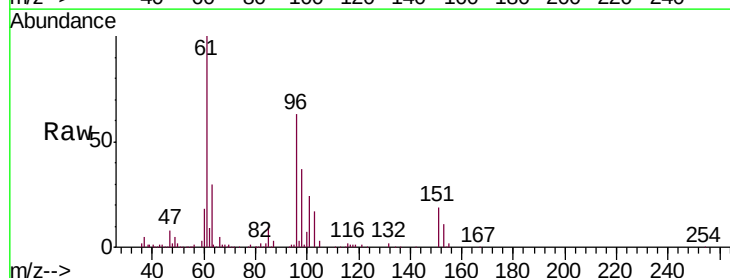
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

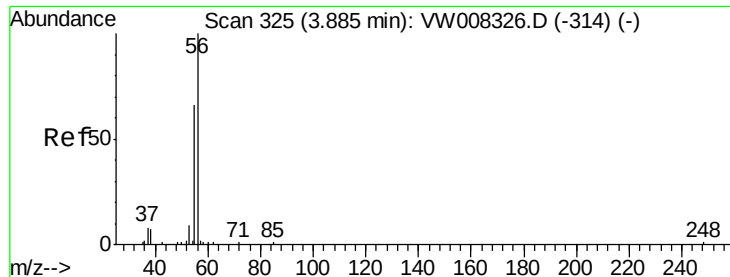
Tgt Ion: 59 Resp: 18621
Ion Ratio Lower Upper
59 100
57 11.8 9.4 14.2



#12
1,1-Dichloroethene
Concen: 50.052 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 96 Resp: 55749
Ion Ratio Lower Upper
96 100
61 158.0 126.4 189.6
98 58.4 46.7 70.1





#13

Acrolein

Concen: 341.029 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

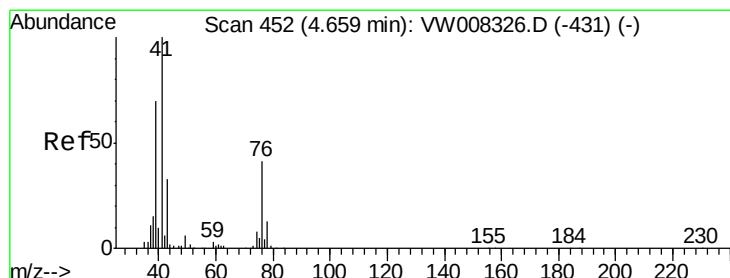
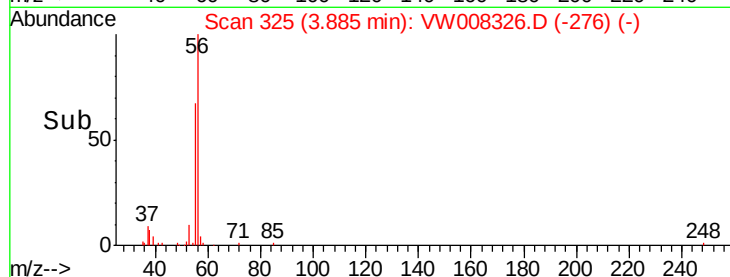
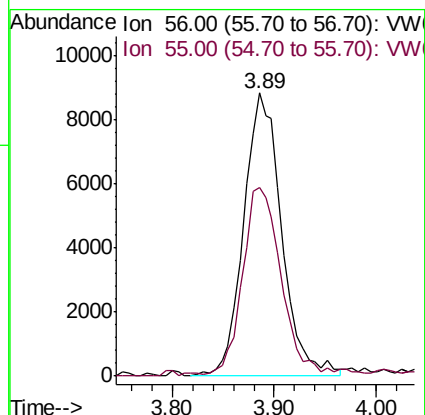
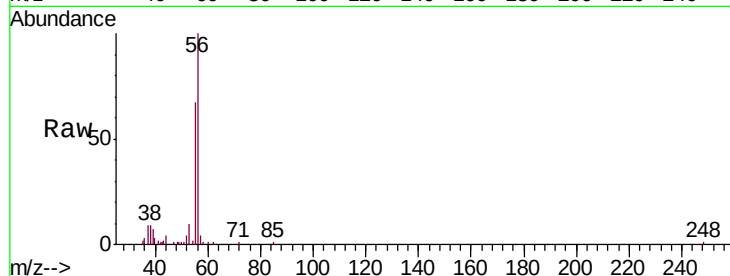
VSTDICCC050

Tgt Ion: 56 Resp: 22865

Ion Ratio Lower Upper

56 100

55 66.1 52.9 79.3



#14

Allyl chloride

Concen: 51.632 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

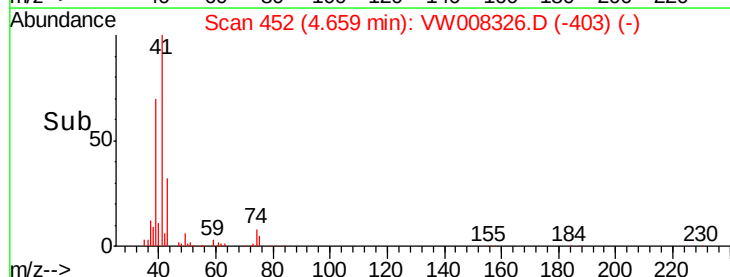
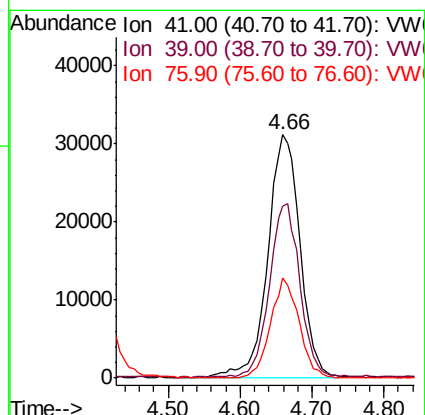
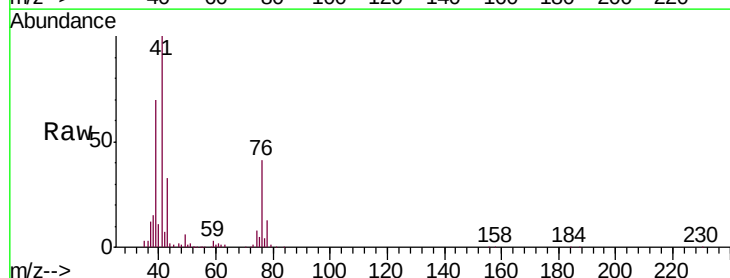
Tgt Ion: 41 Resp: 96142

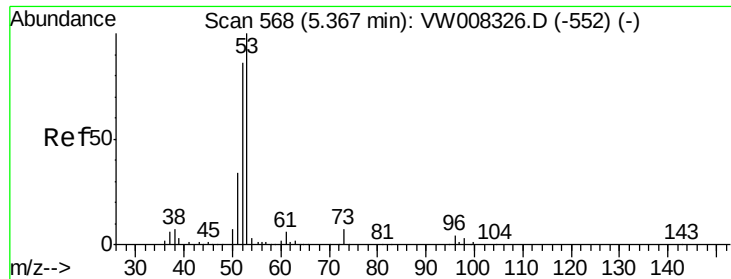
Ion Ratio Lower Upper

41 100

39 67.6 54.1 81.1

76 36.9 29.5 44.3





#15

Acrylonitrile

Concen: 259.534 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

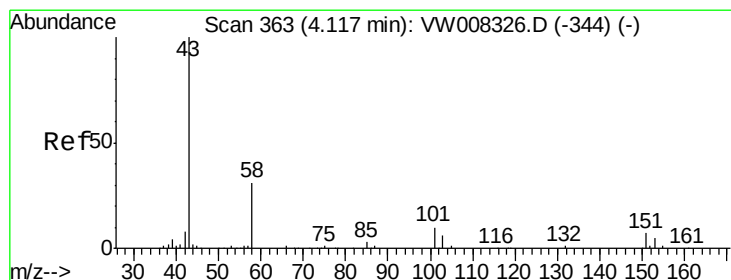
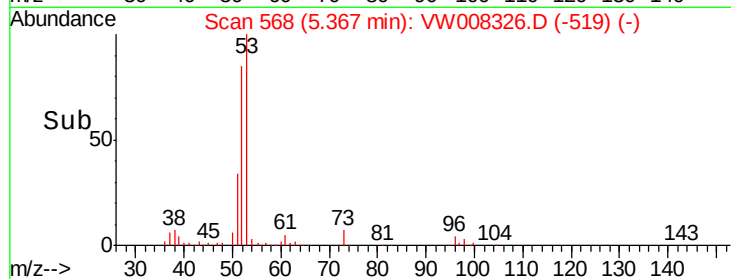
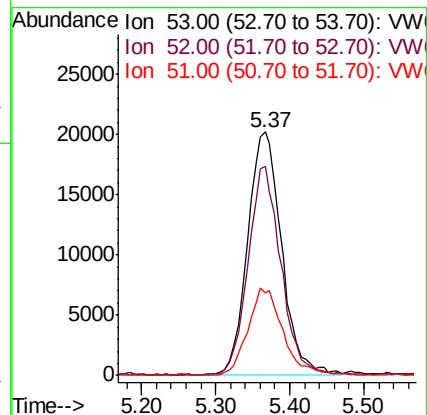
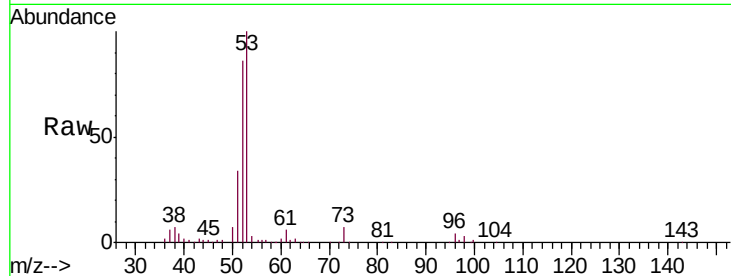
Tgt Ion: 53 Resp: 65030

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

51 37.0 29.6 44.4



#16

Acetone

Concen: 254.653 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008326.D

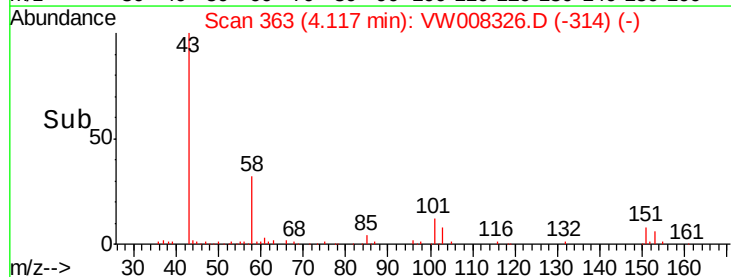
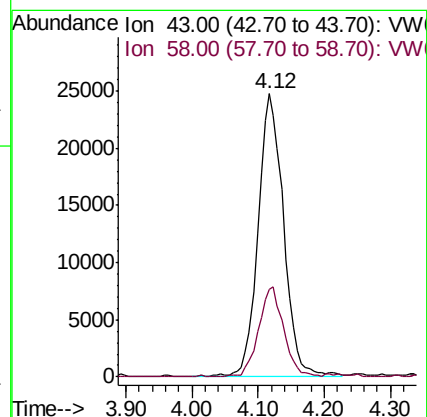
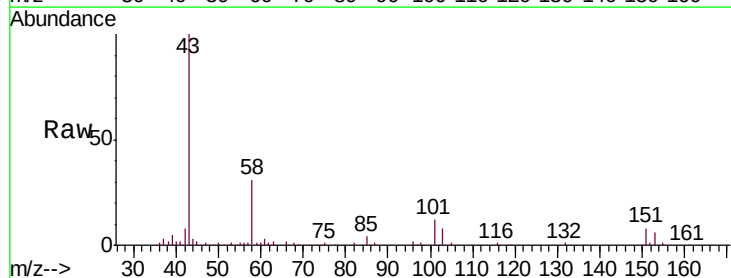
Acq: 17 Jan 2019 14:05

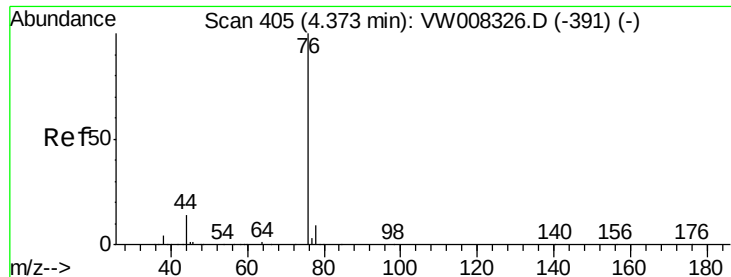
Tgt Ion: 43 Resp: 66780

Ion Ratio Lower Upper

43 100

58 30.9 24.7 37.1





#17

Carbon Disulfide

Concen: 52.865 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

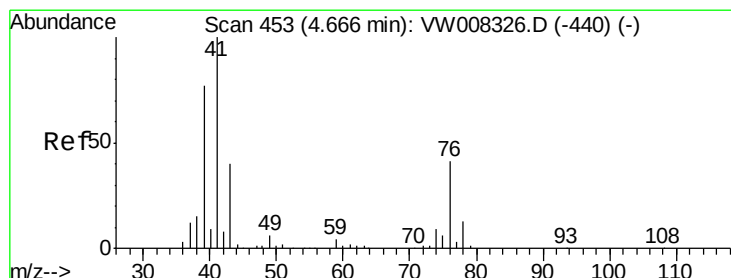
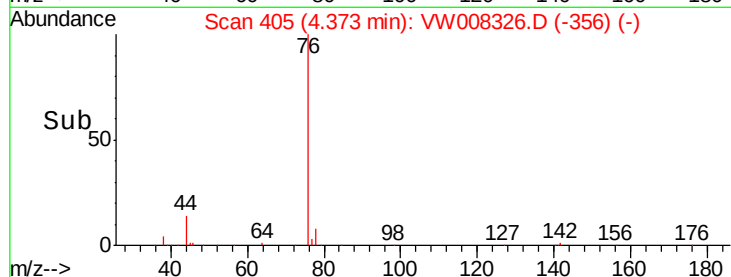
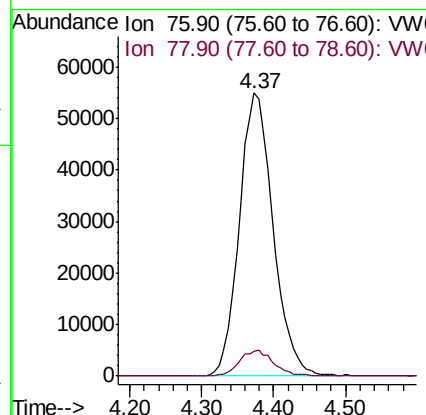
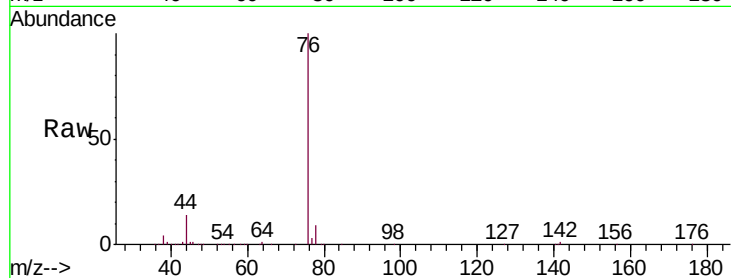
VSTDICCC050

Tgt Ion: 76 Resp: 179174

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



#18

Methyl Acetate

Concen: 48.367 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008326.D

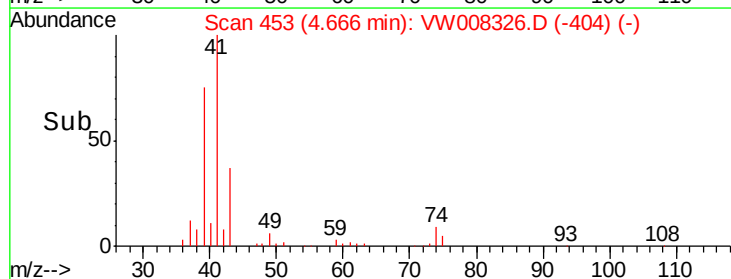
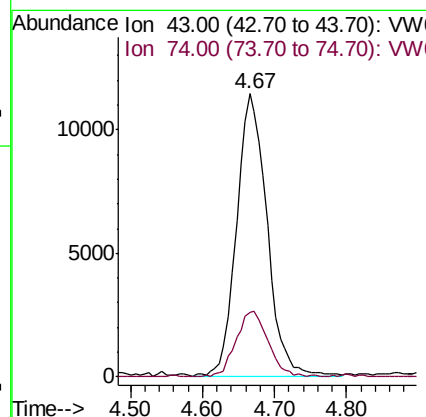
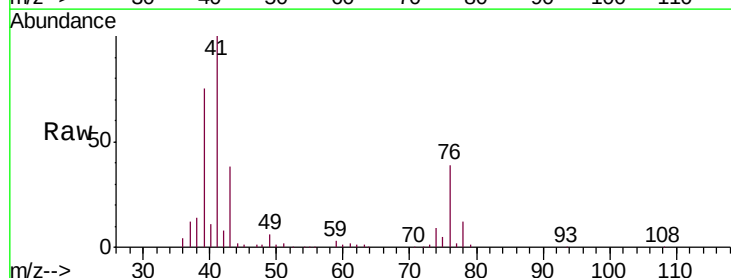
Acq: 17 Jan 2019 14:05

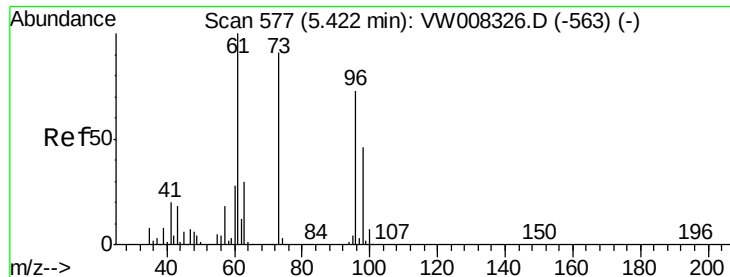
Tgt Ion: 43 Resp: 33881

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.0

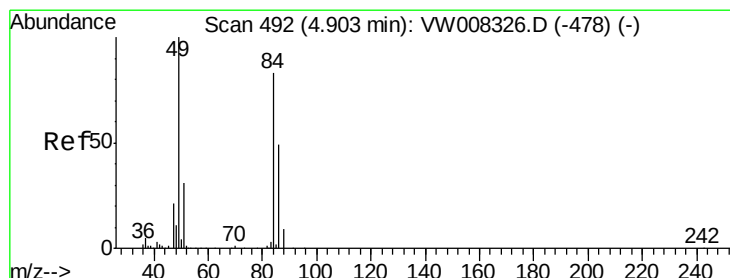
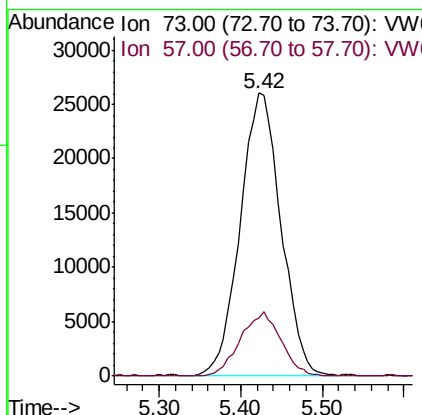
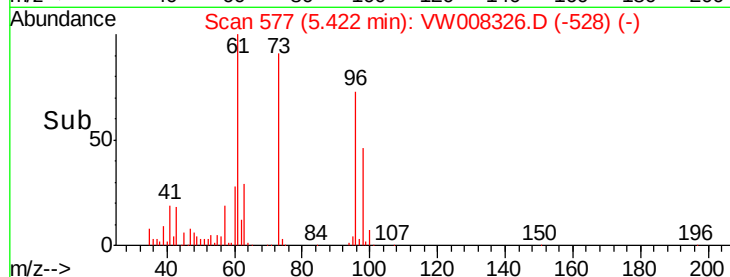
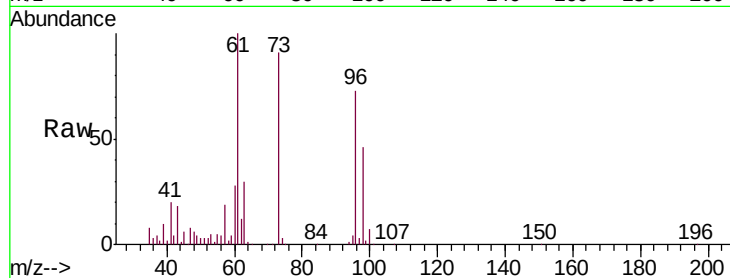




#19
Methyl tert-butyl Ether
Concen: 53.224 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

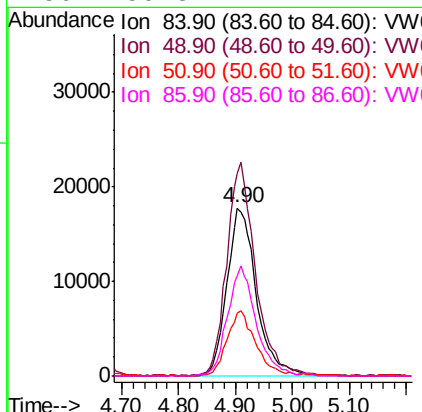
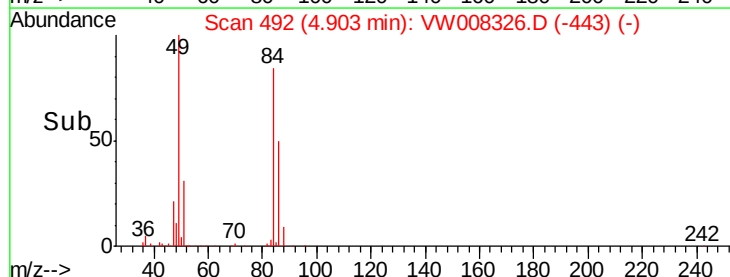
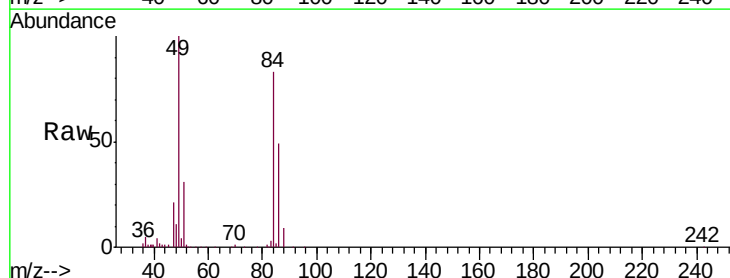
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

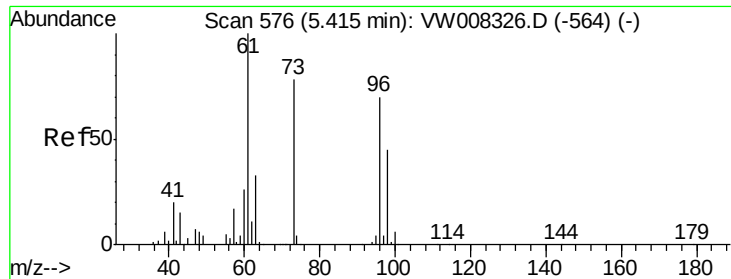
Tgt Ion: 73 Resp: 90749
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5



#20
Methylene Chloride
Concen: 46.050 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 84 Resp: 64126
Ion Ratio Lower Upper
84 100
49 119.9 95.9 143.9
51 36.6 29.3 43.9
86 59.3 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 51.242 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

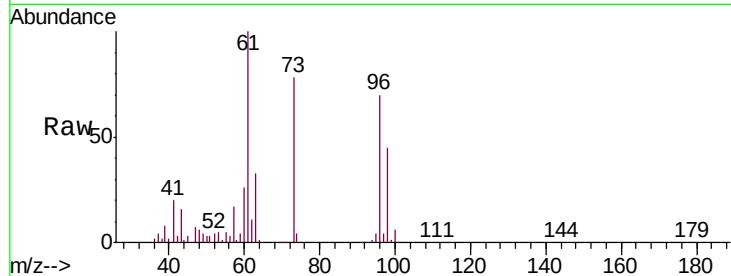
Tgt Ion: 96 Resp: 64103

Ion Ratio Lower Upper

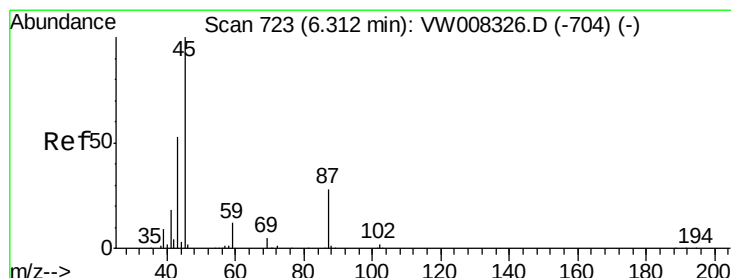
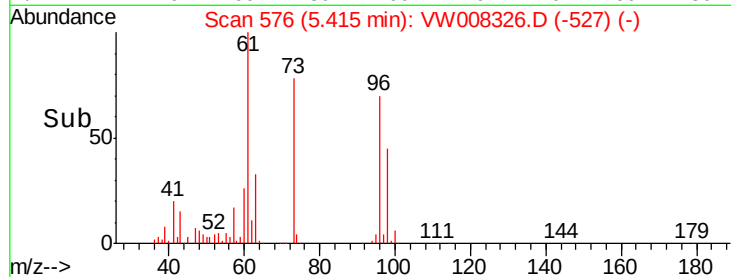
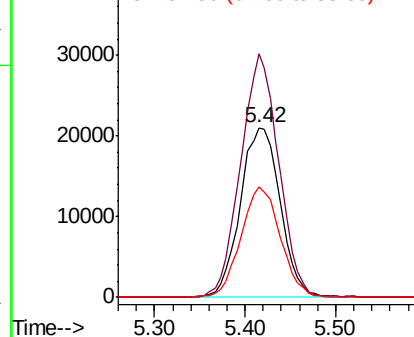
96 100

61 143.1 114.5 171.7

98 65.0 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: 54.183 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Tgt Ion: 45 Resp: 196974

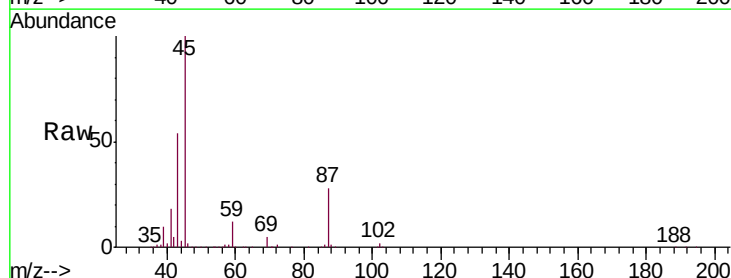
Ion Ratio Lower Upper

45 100

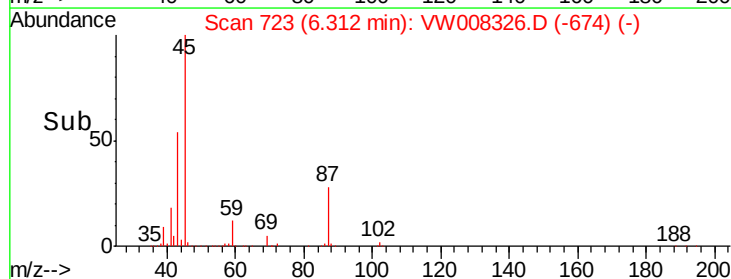
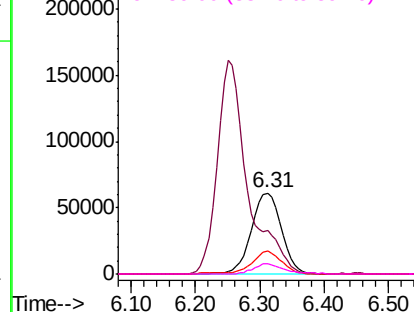
43 53.1 42.5 63.7

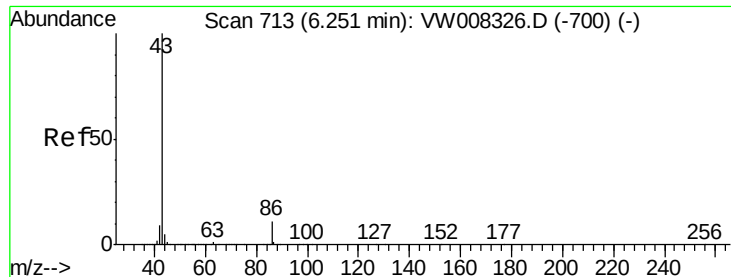
87 27.7 22.2 33.2

59 12.1 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: 274.350 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

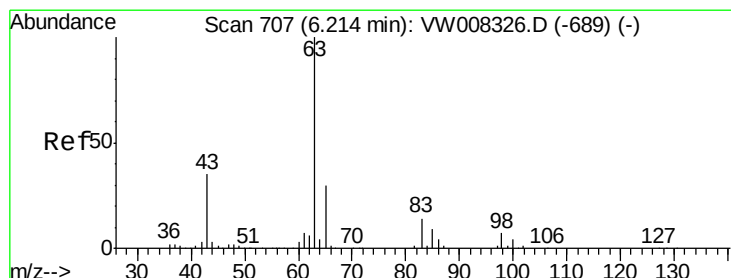
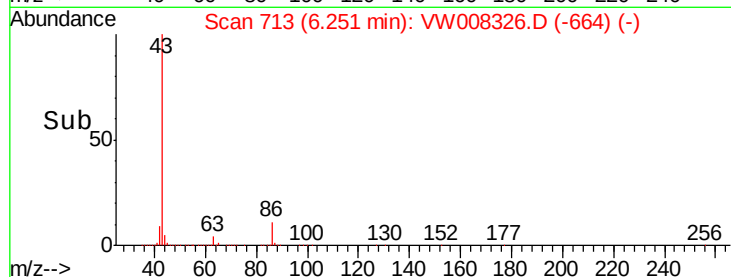
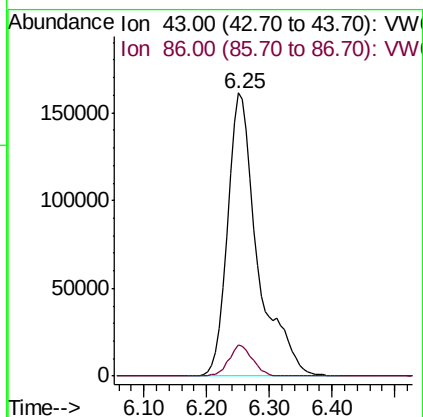
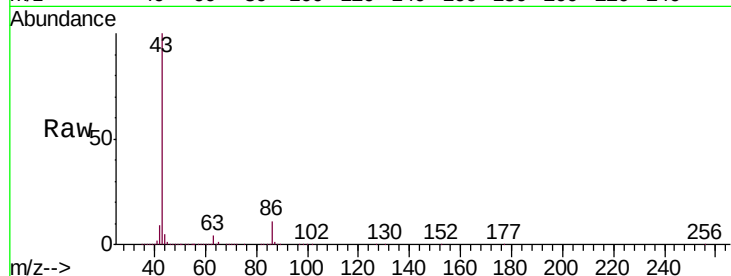
VSTDICCC050

Tgt Ion: 43 Resp: 533134

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 51.085 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

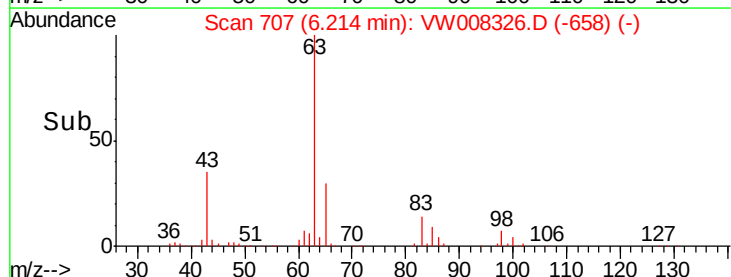
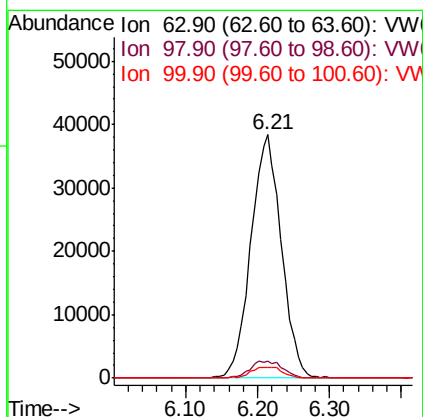
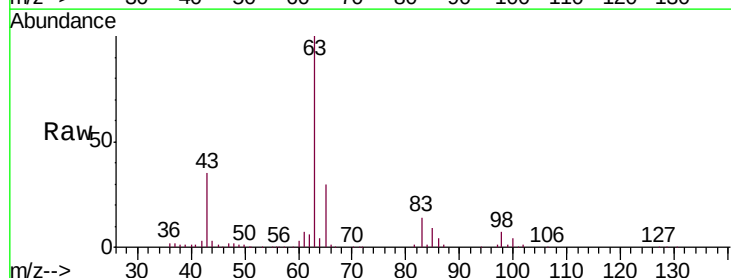
Tgt Ion: 63 Resp: 113076

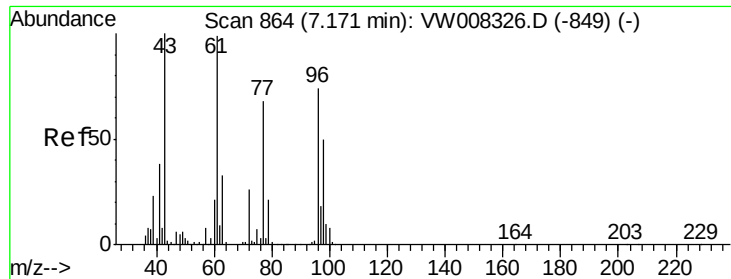
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 259.815 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

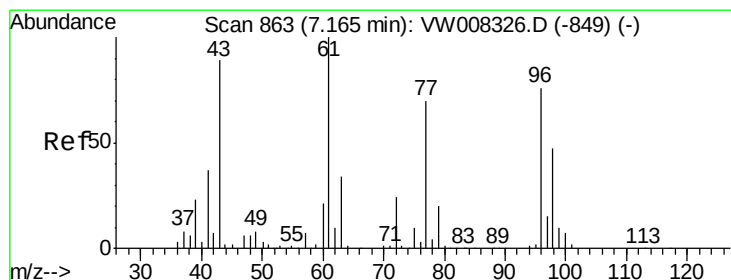
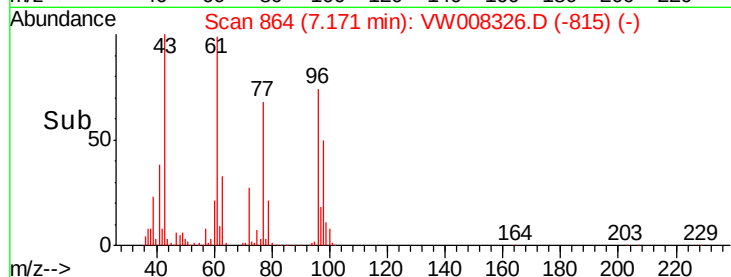
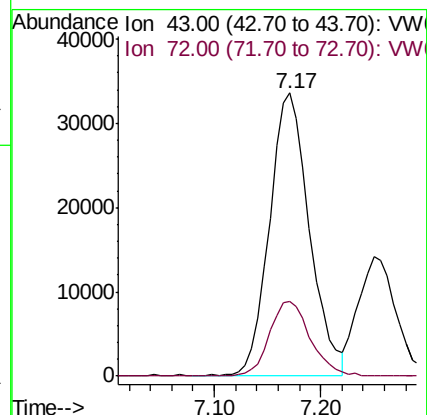
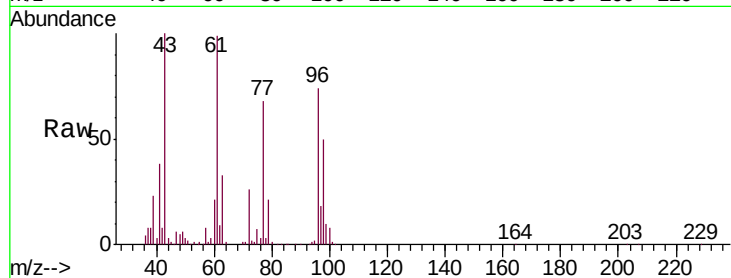
VSTDICCC050

Tgt Ion: 43 Resp: 87266

Ion Ratio Lower Upper

43 100

72 26.5 21.2 31.8



#26

2,2-Dichloropropane

Concen: 49.858 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008326.D

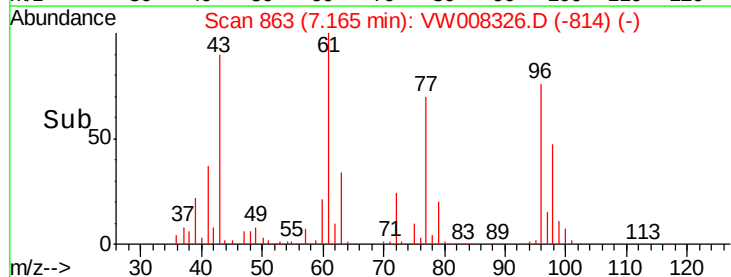
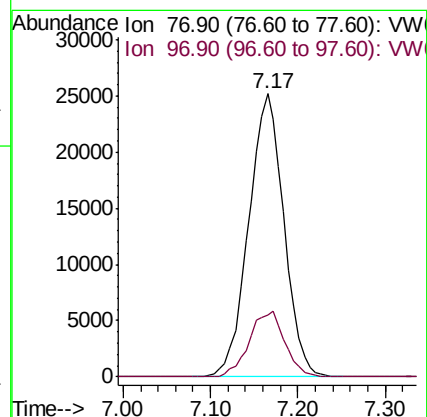
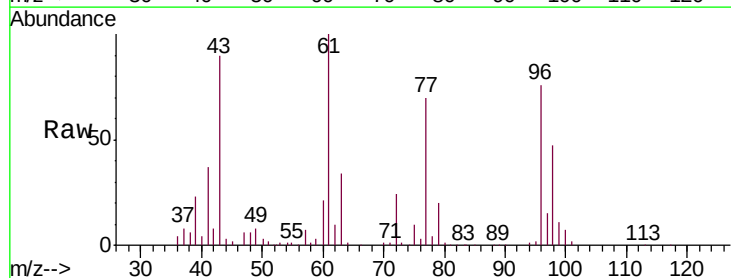
Acq: 17 Jan 2019 14:05

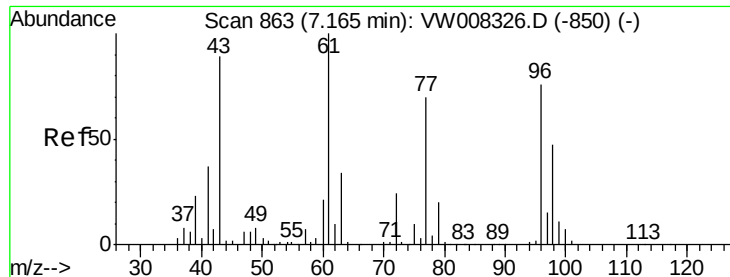
Tgt Ion: 77 Resp: 70427

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



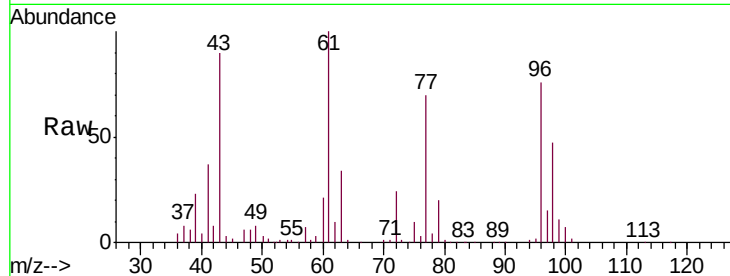


#27

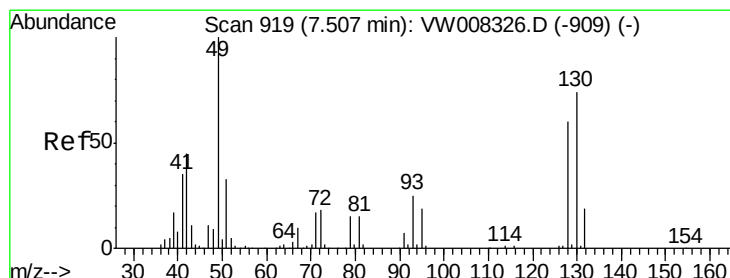
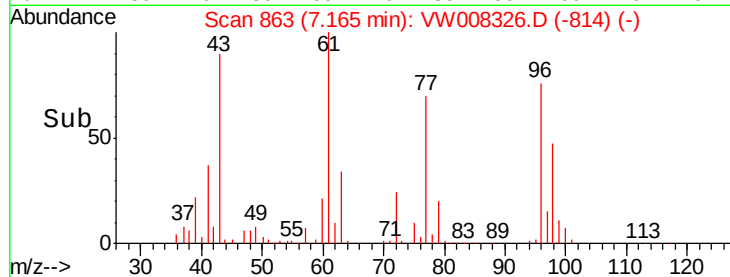
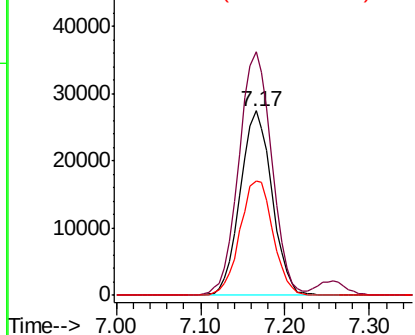
cis-1,2-Dichloroethene
Concen: 51.692 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 70062
Ion Ratio Lower Upper
96 100
61 136.1 0.0 272.2
98 64.7 0.0 129.4



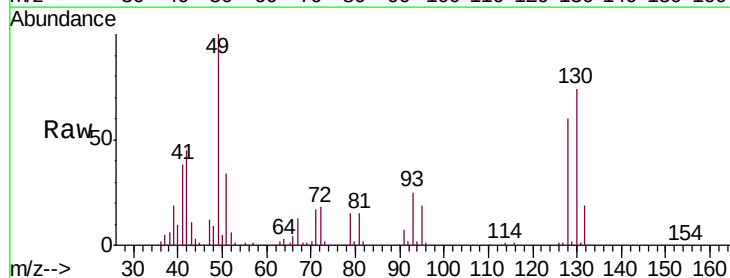
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



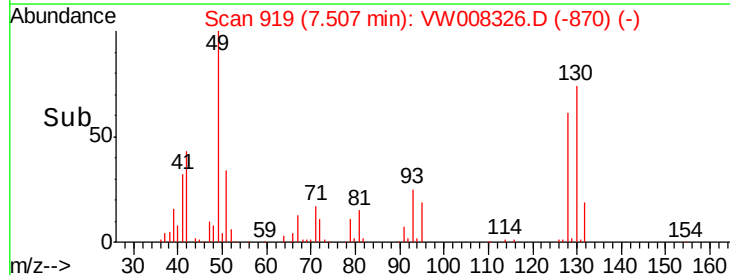
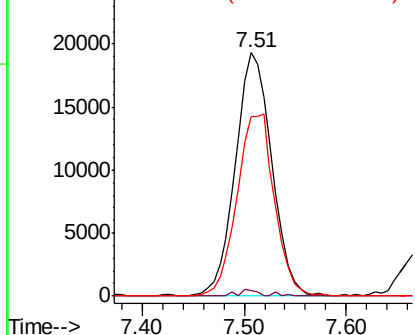
#28

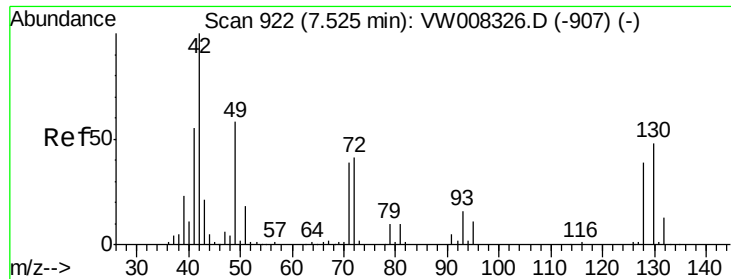
Bromochloromethane
Concen: 52.433 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 49 Resp: 47816
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.6
130 0.0 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

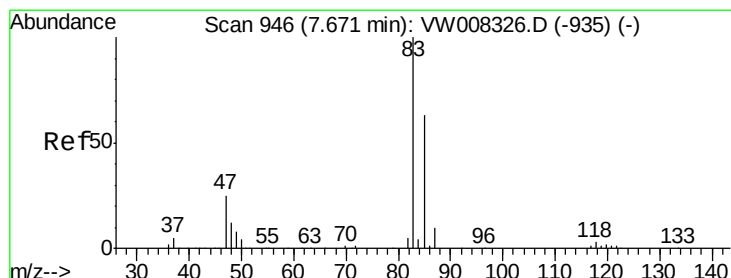
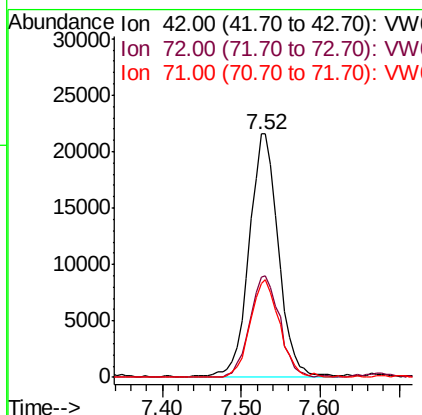
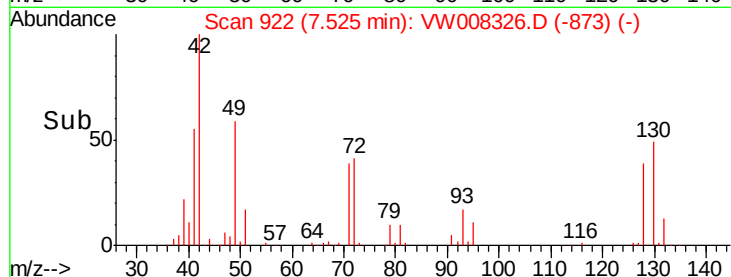
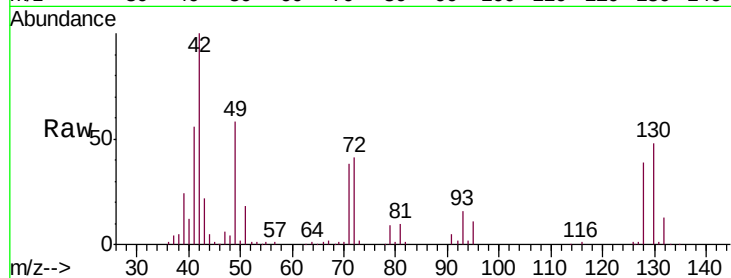




#29
Tetrahydrofuran
Concen: 265.417 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

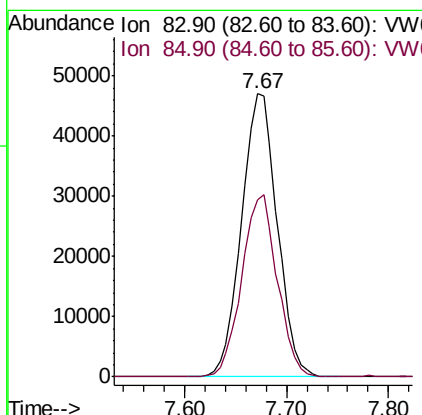
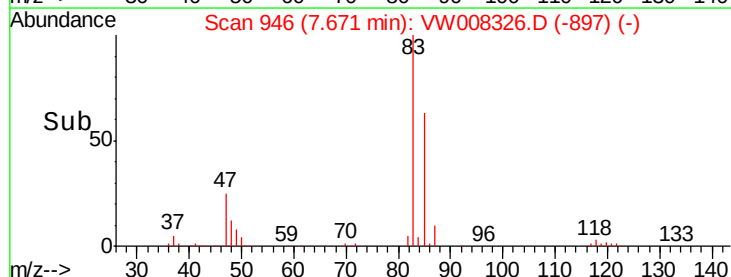
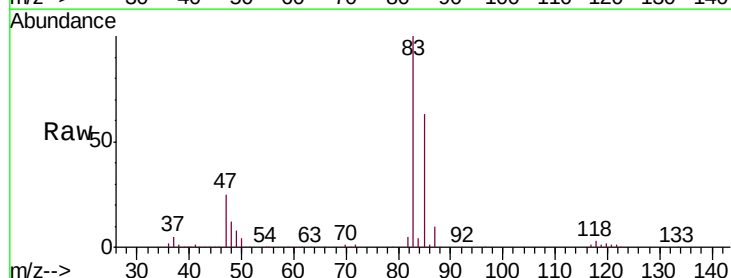
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

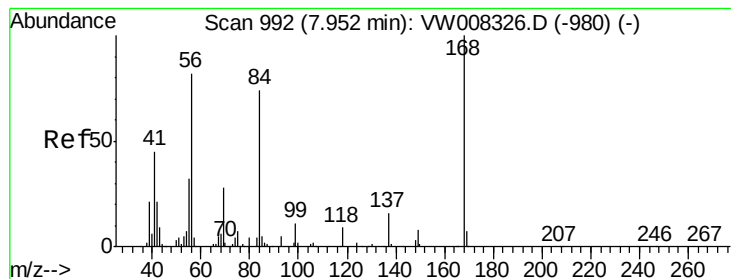
Tgt Ion: 42 Resp: 55576
Ion Ratio Lower Upper
42 100
72 42.5 34.0 51.0
71 40.0 32.0 48.0



#30
Chloroform
Concen: 52.246 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 83 Resp: 114421
Ion Ratio Lower Upper
83 100
85 62.7 50.2 75.2





#31

Cyclohexane

Concen: 48.079 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

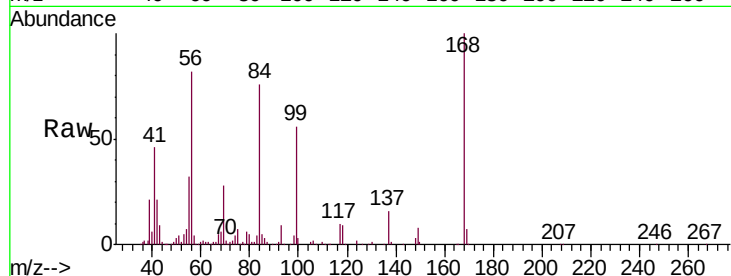
Tgt Ion: 56 Resp: 101398

Ion Ratio Lower Upper

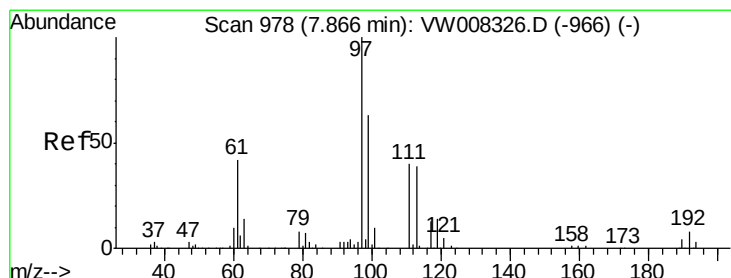
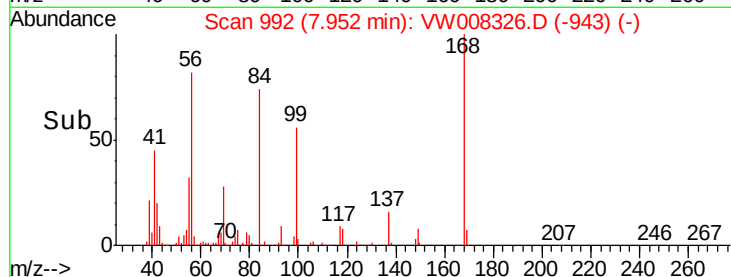
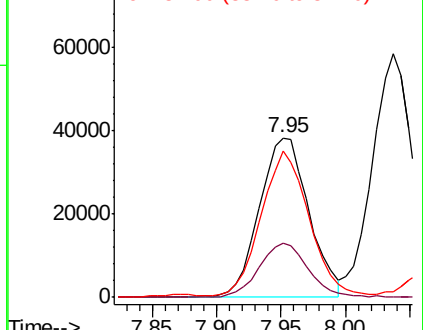
56 100

69 33.8 27.0 40.6

84 90.6 72.5 108.7



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



#32

1,1,1-Trichloroethane

Concen: 50.373 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

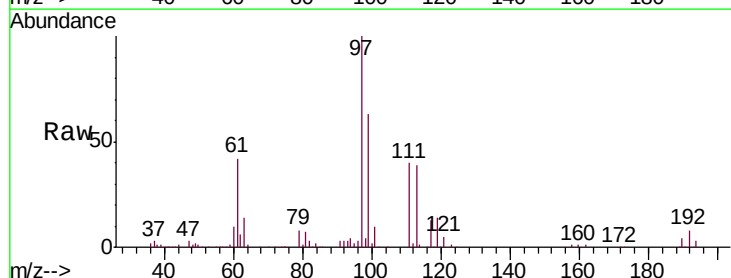
Tgt Ion: 97 Resp: 92586

Ion Ratio Lower Upper

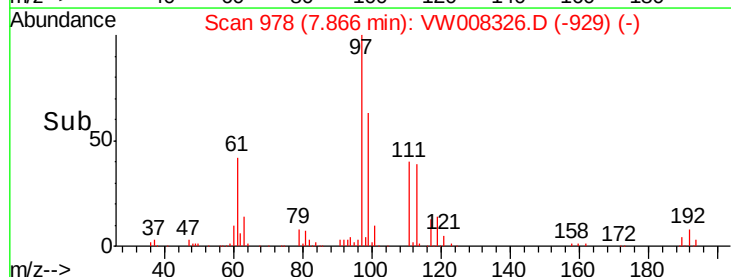
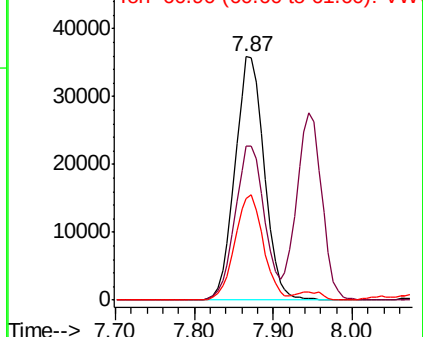
97 100

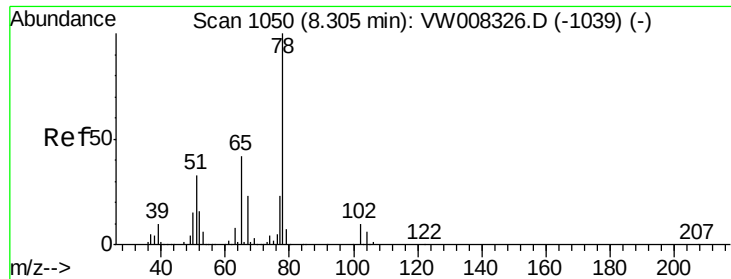
99 63.9 51.1 76.7

61 42.5 34.0 51.0



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

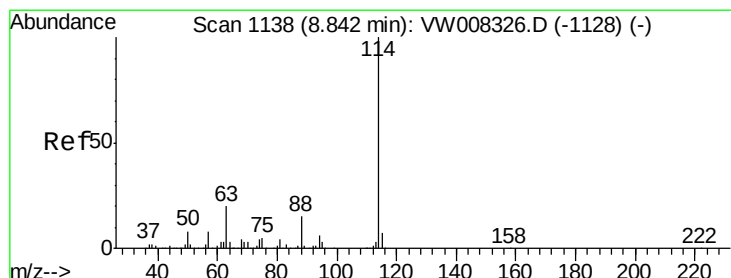
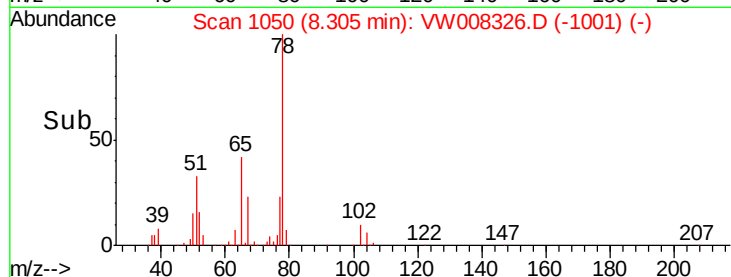
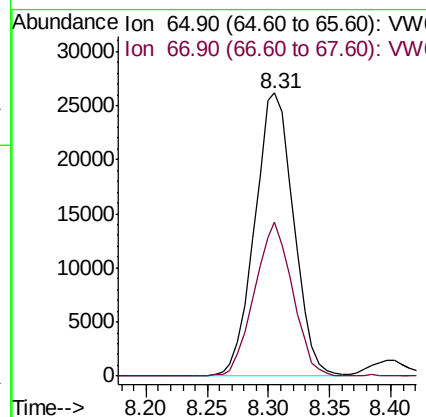
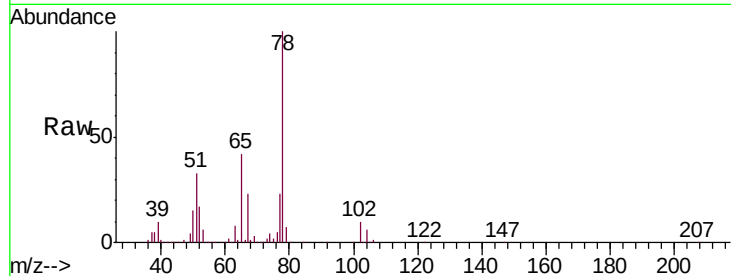




#33
 1,2-Dichloroethane-d4
 Concen: 51.394 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

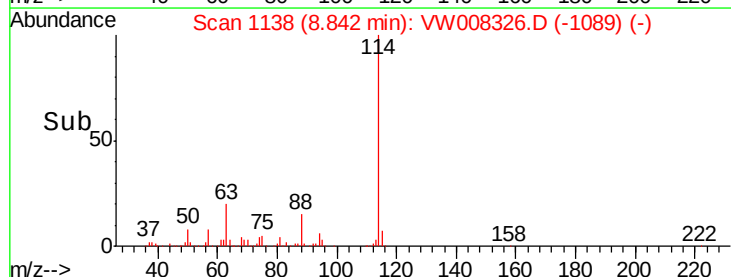
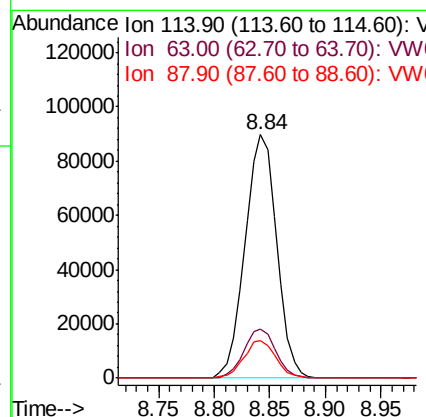
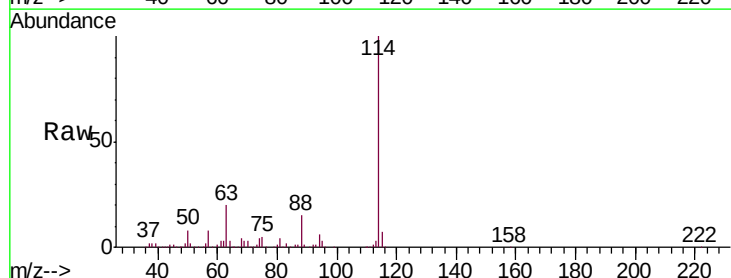
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

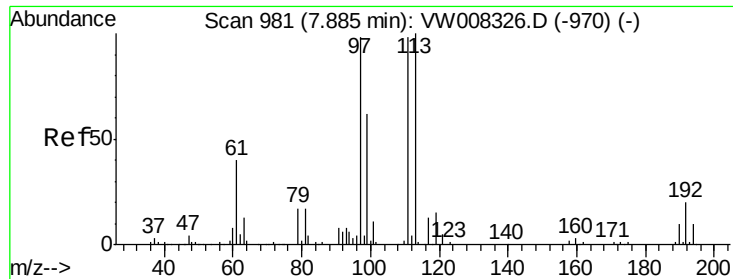
Tgt Ion: 65 Resp: 58034
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion: 114 Resp: 177531
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.155 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

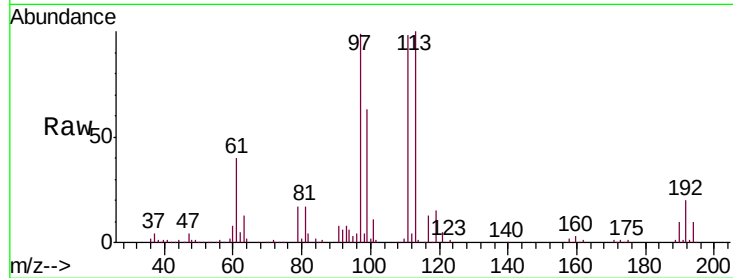
Tgt Ion:113 Resp: 57971

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

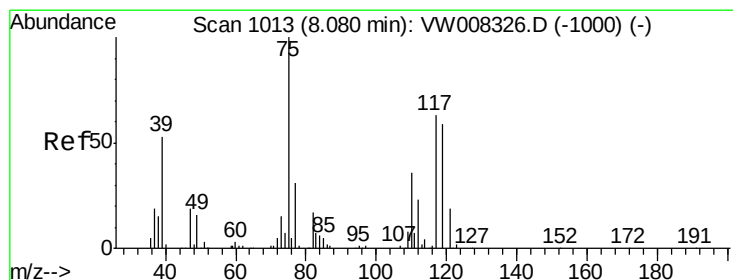
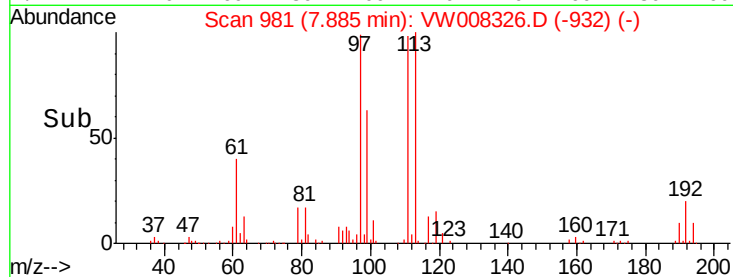
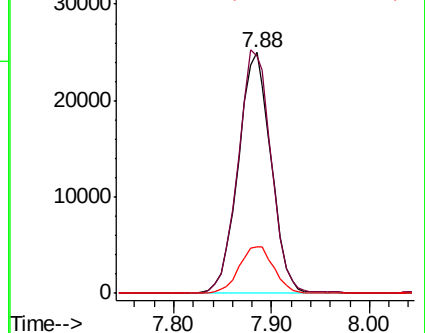
192 20.4 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.114 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

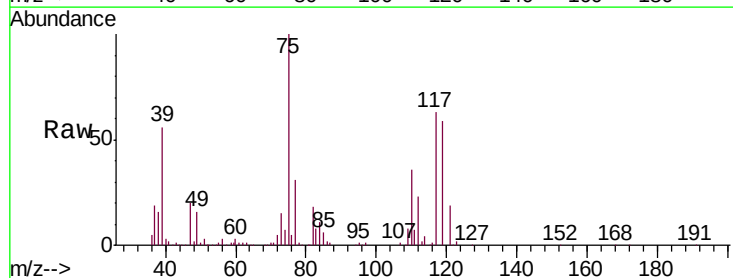
Tgt Ion: 75 Resp: 91295

Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.6

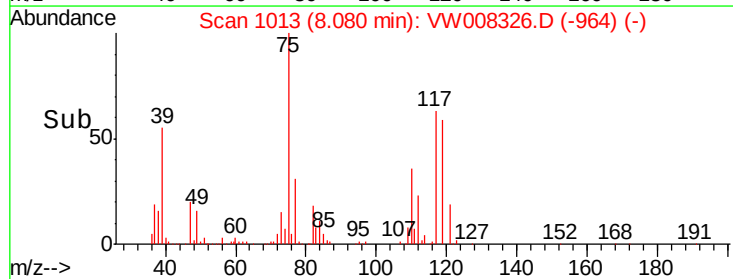
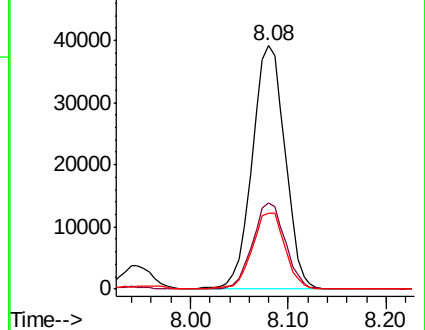
77 31.3 25.0 37.6

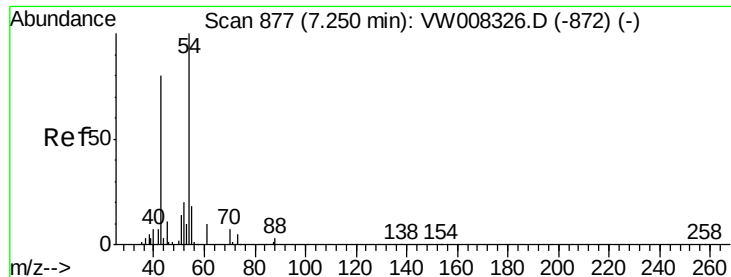


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

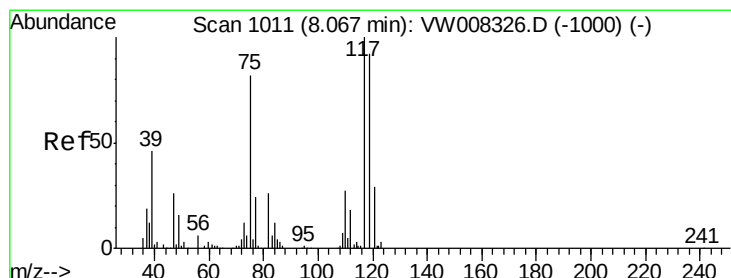
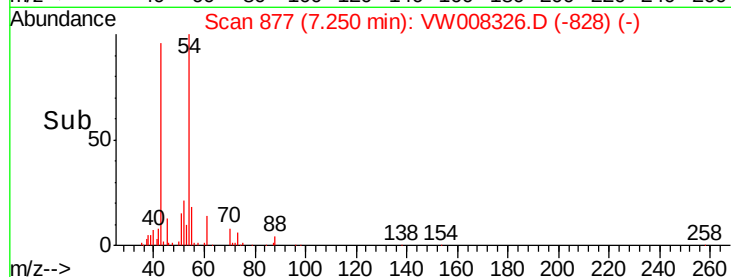
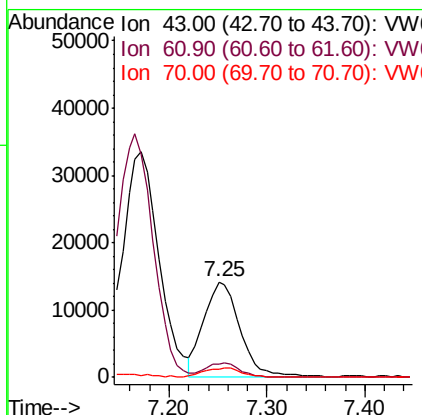
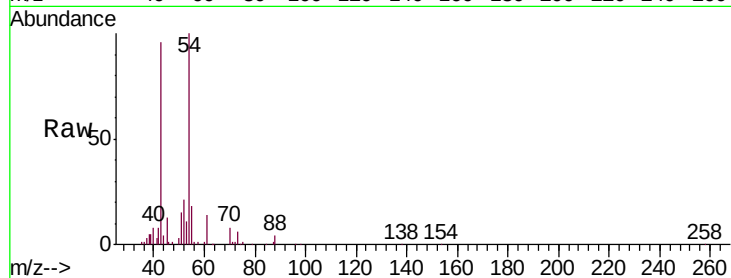




#37
Ethyl Acetate
Concen: 48.552 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

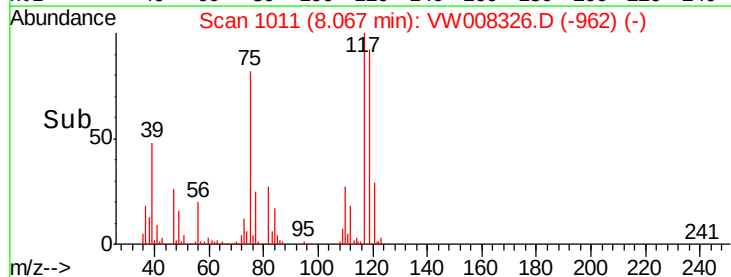
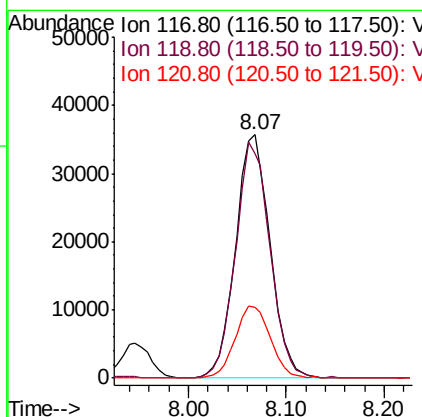
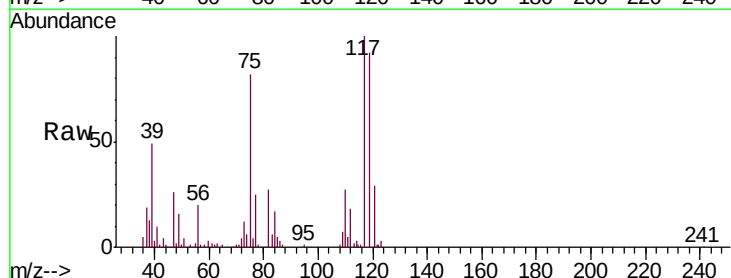
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

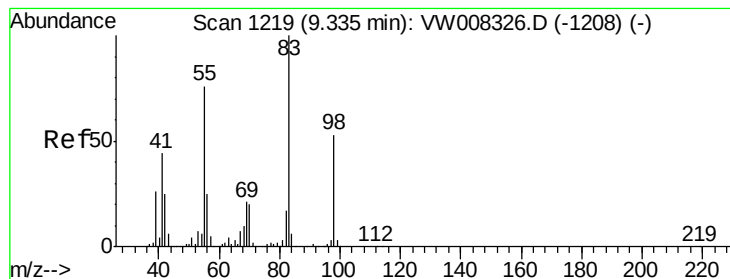
Tgt Ion: 43 Resp: 35761
Ion Ratio Lower Upper
43 100
61 14.4 11.5 17.3
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.754 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 117 Resp: 87752
Ion Ratio Lower Upper
117 100
119 92.2 73.8 110.6
121 29.2 23.4 35.0





#39

Methylcyclohexane

Concen: 52.061 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

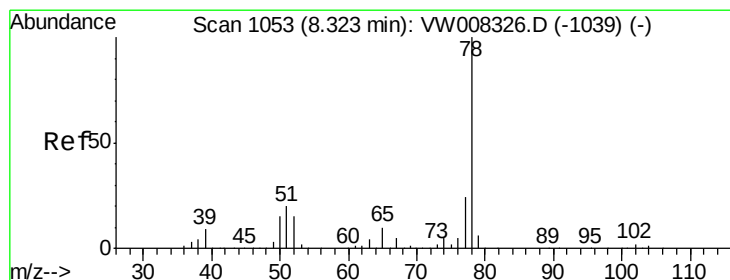
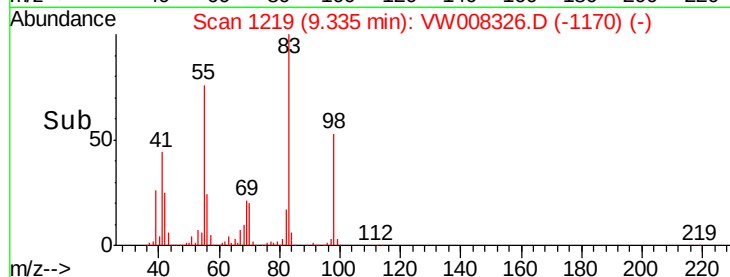
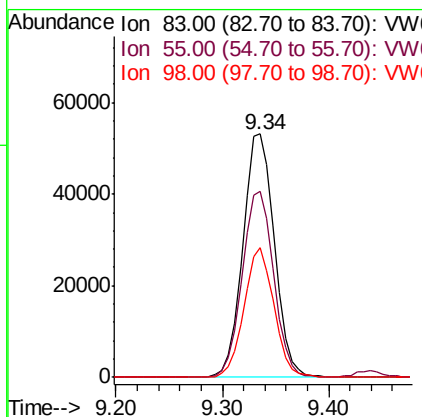
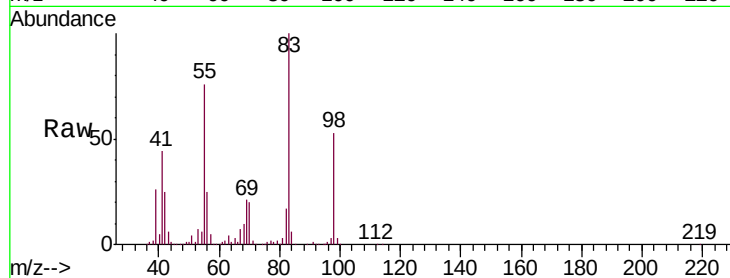
Tgt Ion: 83 Resp: 110607

Ion Ratio Lower Upper

83 100

55 76.4 61.1 91.7

98 53.1 42.5 63.7



#40

Benzene

Concen: 51.319 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008326.D

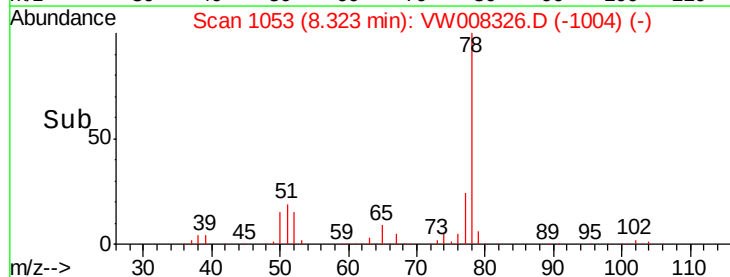
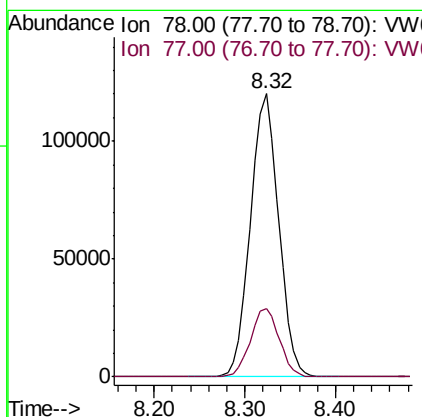
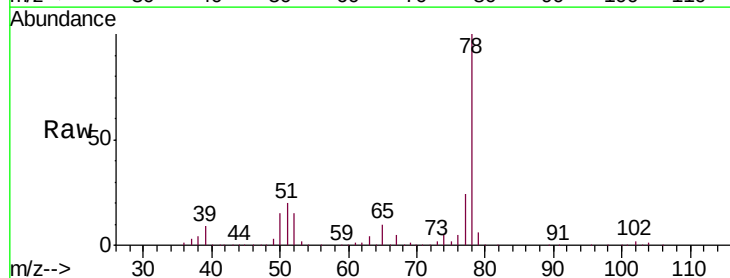
Acq: 17 Jan 2019 14:05

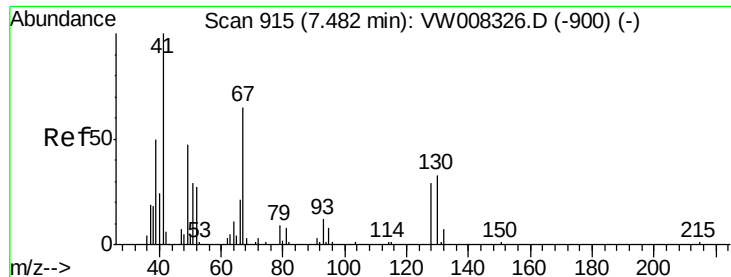
Tgt Ion: 78 Resp: 259648

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0

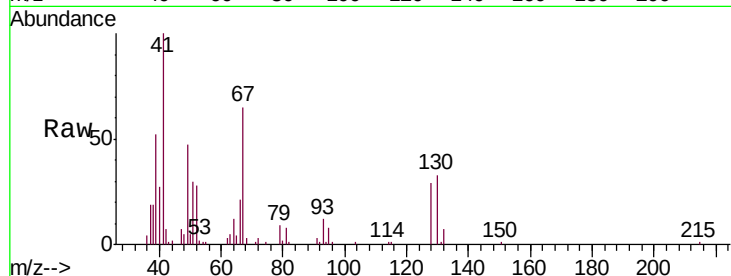




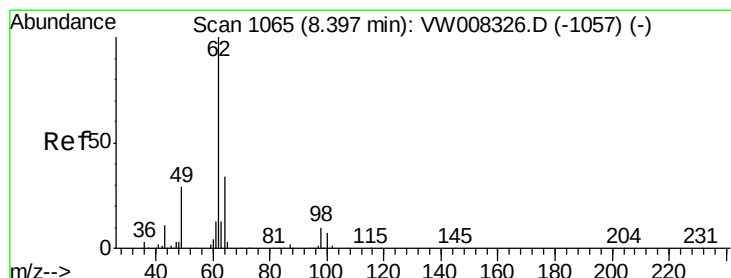
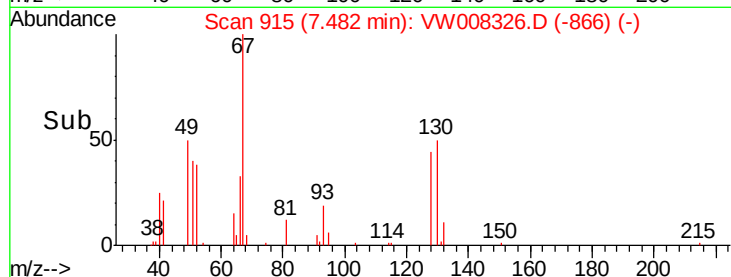
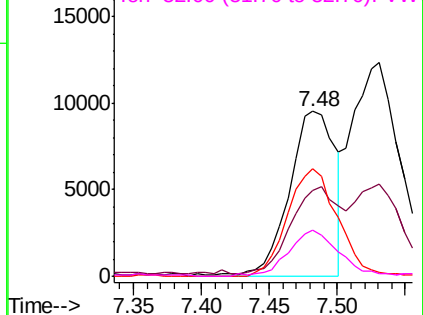
#41
Methacrylonitrile
Concen: 52.181 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	22374
Ion	Ratio	Lower	Upper
41	100		
39	56.1	44.9	67.3
67	71.1	56.9	85.3
52	30.5	24.4	36.6

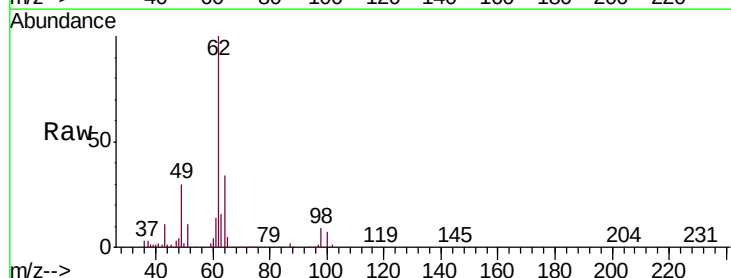


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

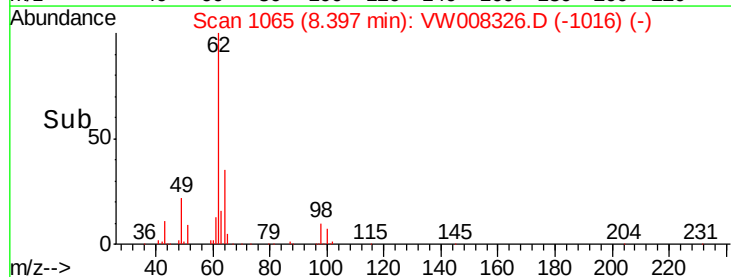
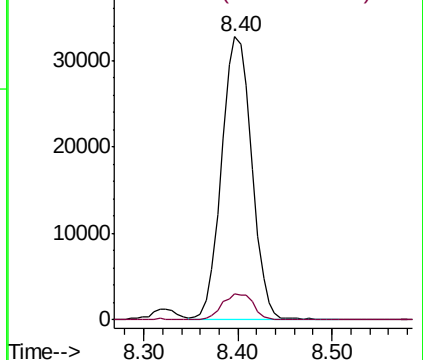


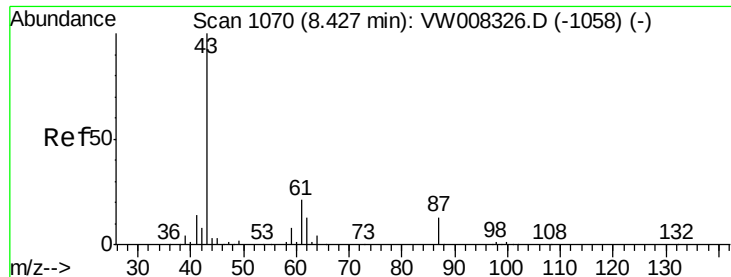
#42
1,2-Dichloroethane
Concen: 51.558 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion:	62	Resp:	72943
Ion	Ratio	Lower	Upper
62	100		
98	9.5	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: 51.998 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

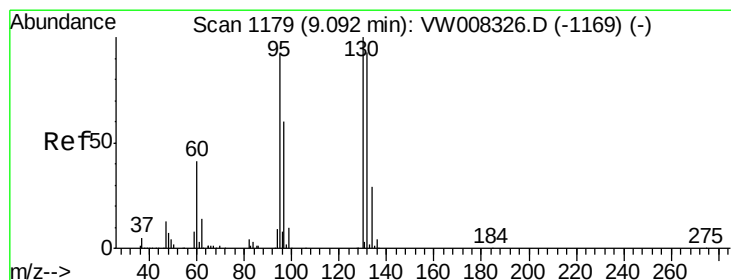
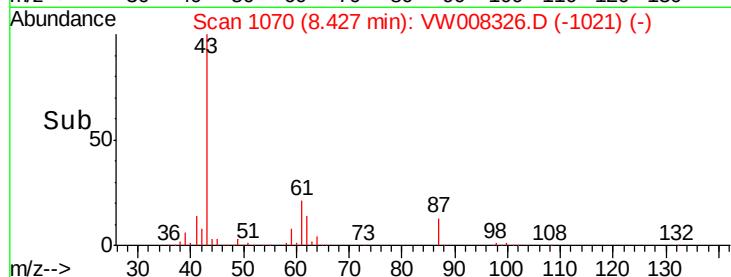
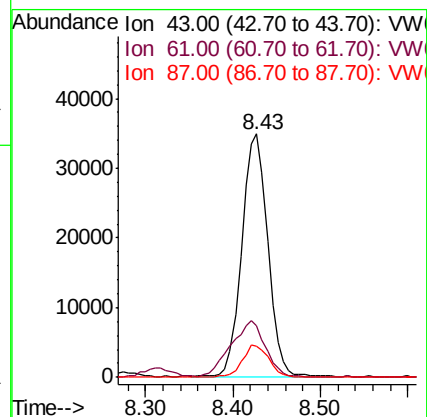
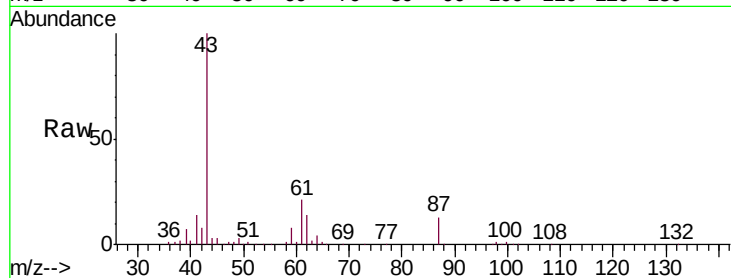
Tgt Ion: 43 Resp: 72344

Ion Ratio Lower Upper

43 100

61 31.0 24.8 37.2

87 13.4 10.7 16.1



#44

Trichloroethene

Concen: 51.742 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008326.D

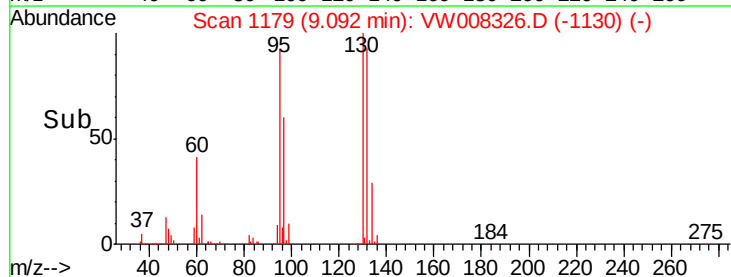
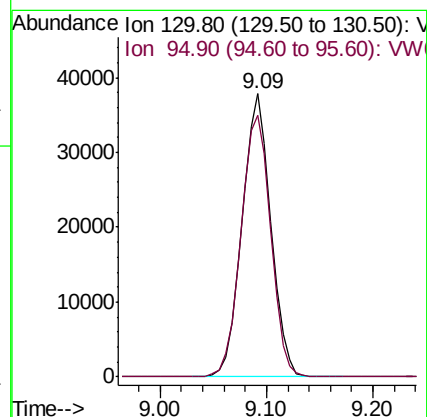
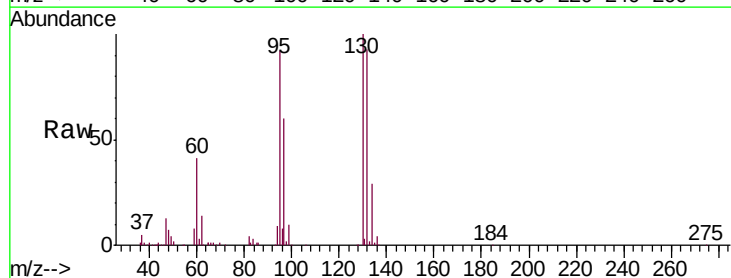
Acq: 17 Jan 2019 14:05

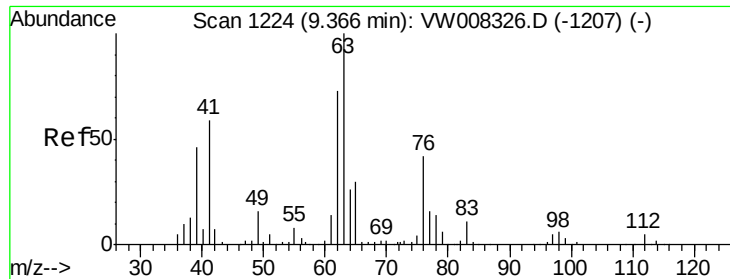
Tgt Ion: 130 Resp: 71722

Ion Ratio Lower Upper

130 100

95 92.4 0.0 184.8

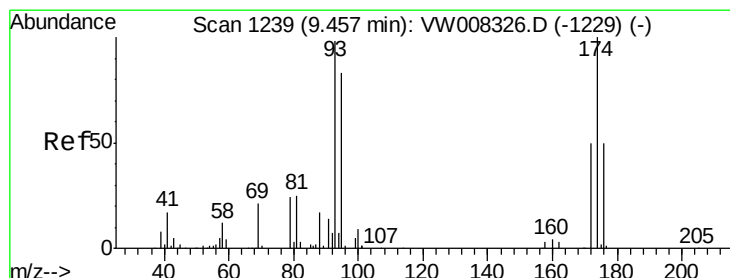
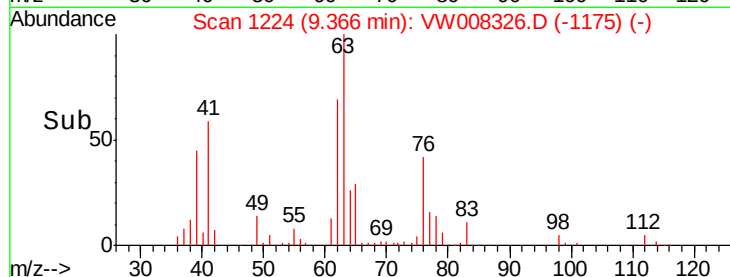
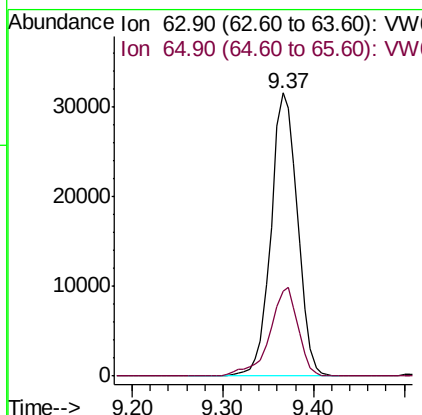
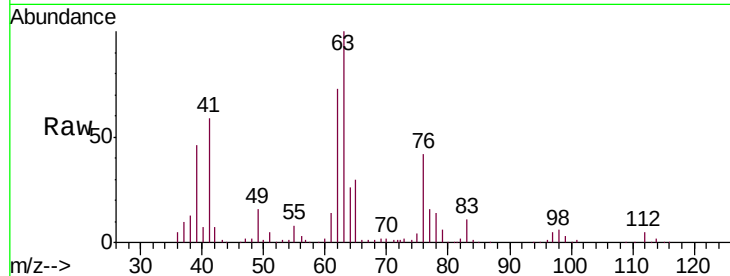




#45
 1,2-Dichloropropane
 Concen: 50.823 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

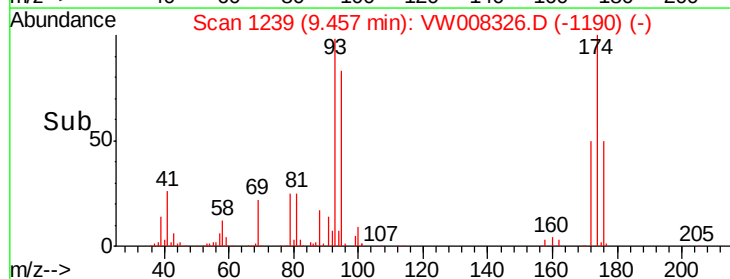
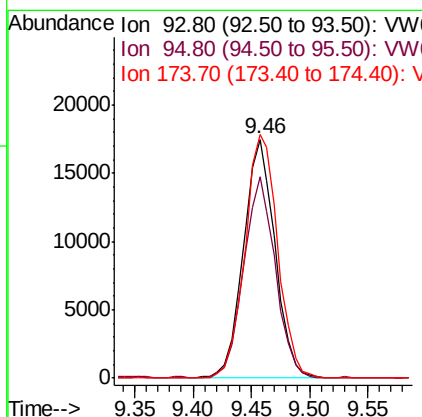
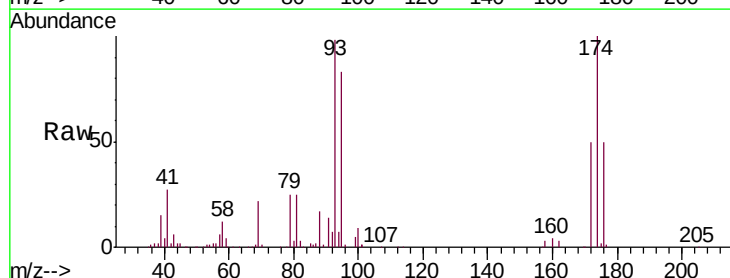
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

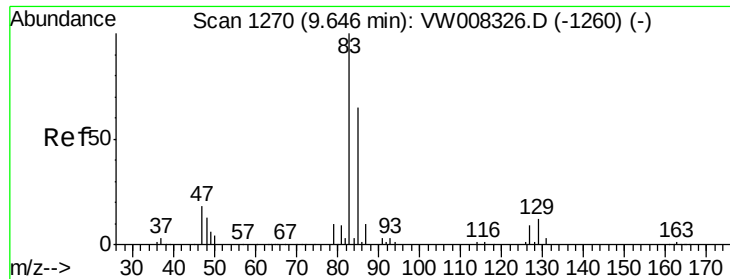
Tgt Ion: 63 Resp: 63873
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.9 35.9



#46
 Dibromomethane
 Concen: 50.292 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion: 93 Resp: 32942
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.8 101.8
 174 105.5 84.4 126.6

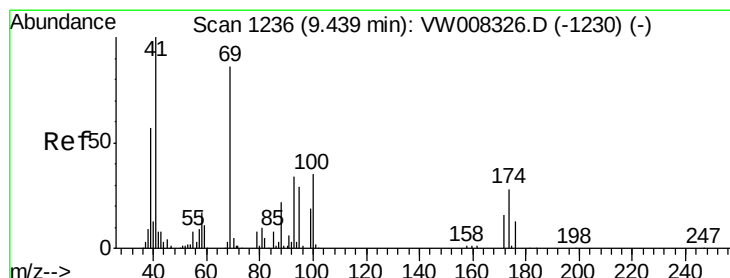
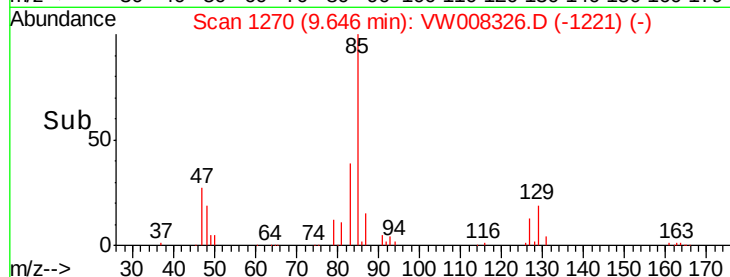
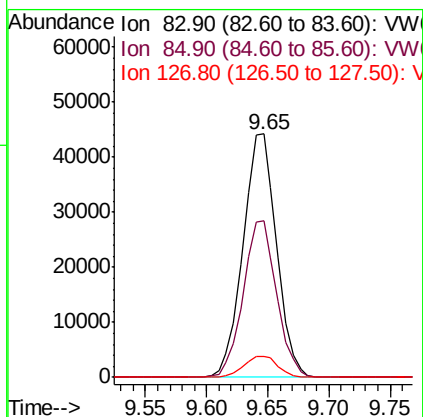
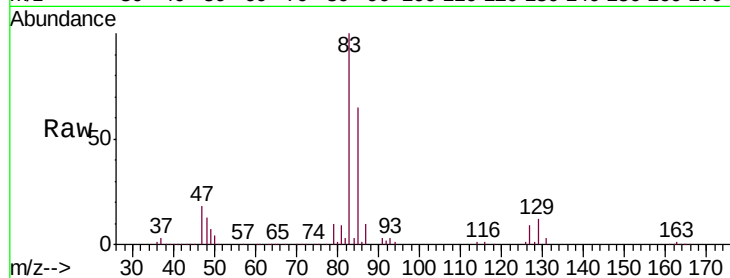




#47
Bromodichloromethane
Concen: 52.251 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

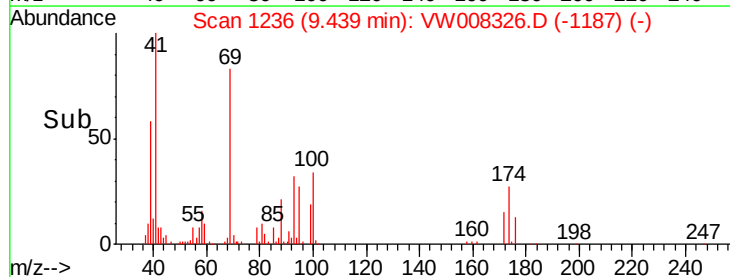
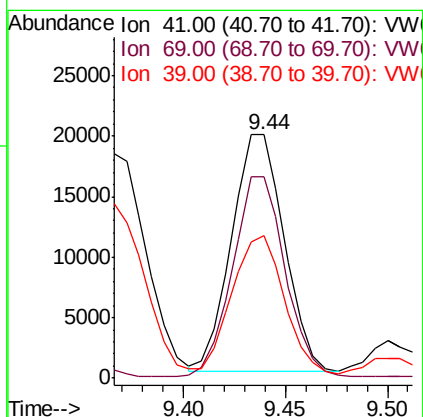
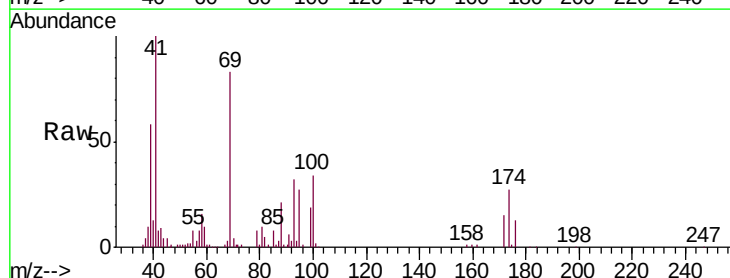
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

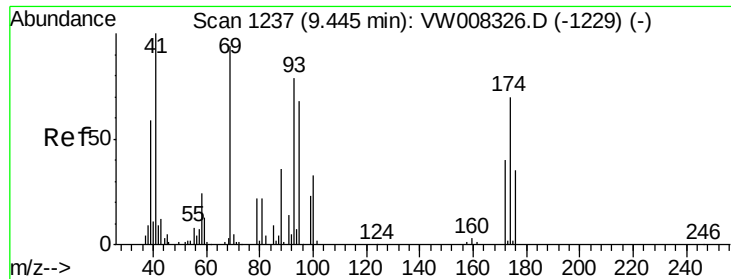
Tgt Ion: 83 Resp: 84422
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4
127 8.5 6.8 10.2



#48
Methyl methacrylate
Concen: 53.576 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 41 Resp: 35090
Ion Ratio Lower Upper
41 100
69 85.3 68.2 102.4
39 57.5 46.0 69.0

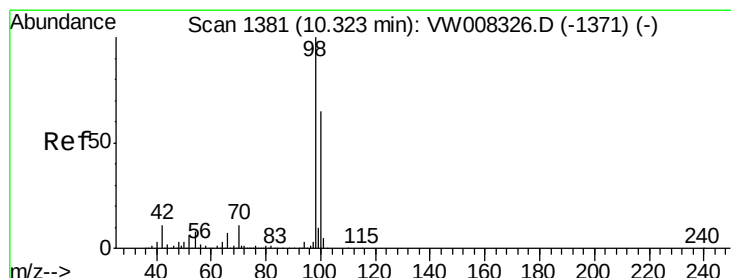
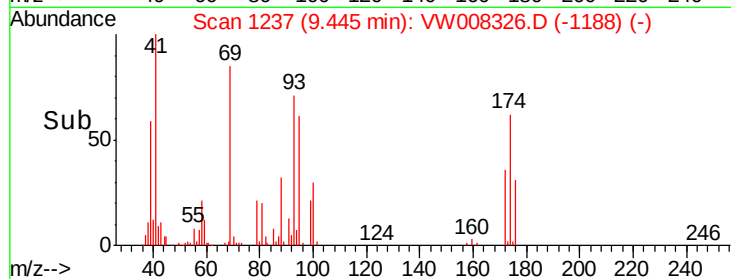
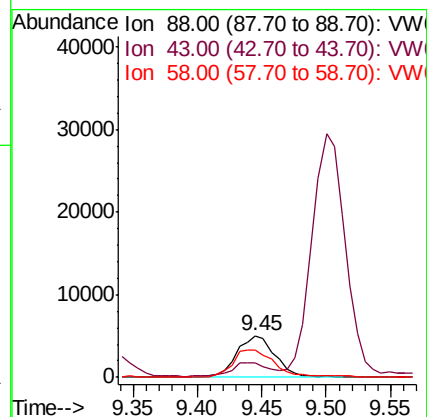
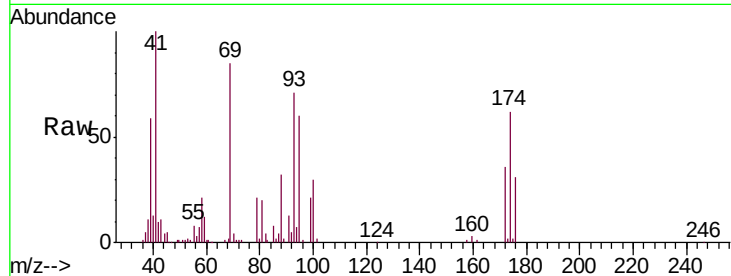




#49
1,4-Dioxane
Concen: 976.720 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

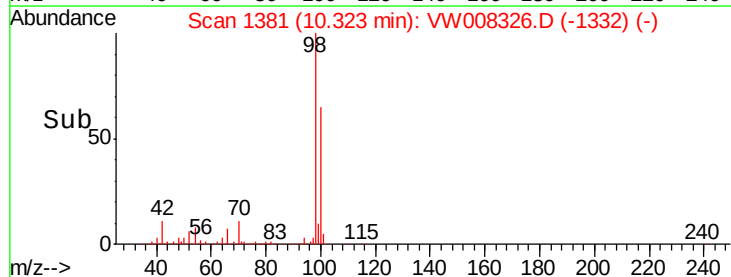
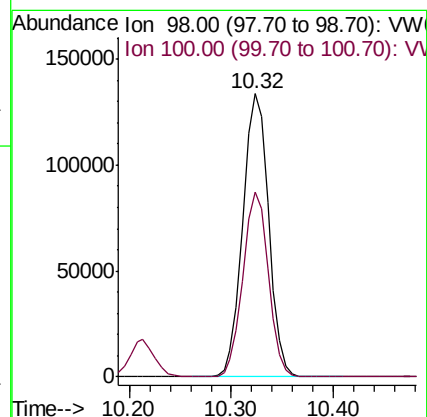
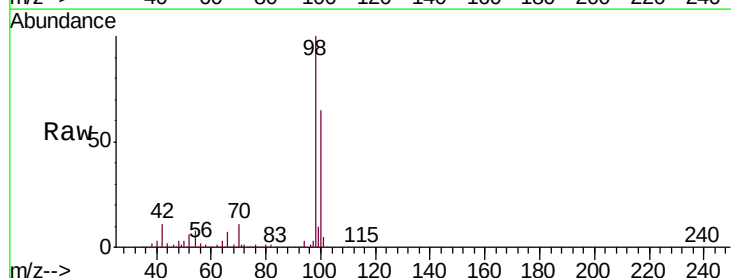
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

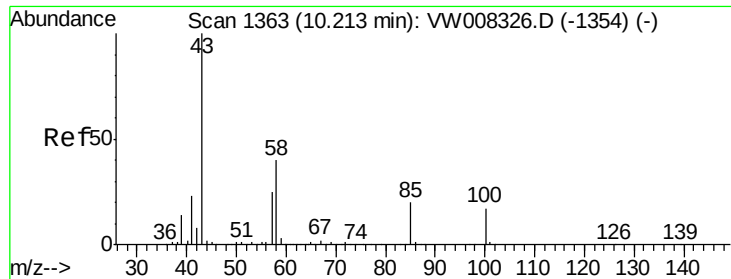
Tgt Ion: 88 Resp: 10299
Ion Ratio Lower Upper
88 100
43 33.9 27.1 40.7
58 72.4 57.9 86.9



#50
Toluene-d8
Concen: 52.468 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 98 Resp: 233585
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8

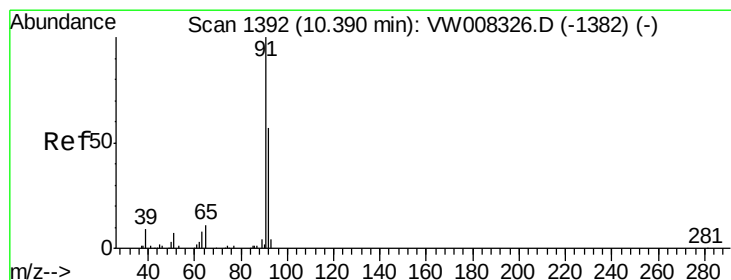
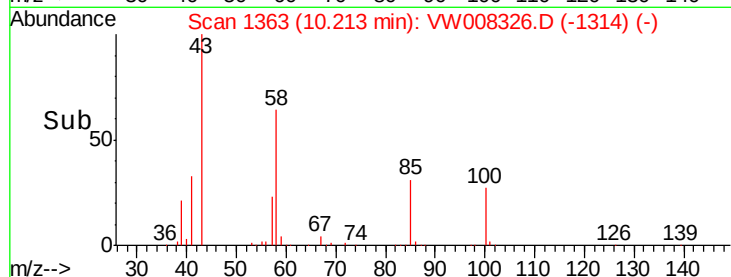
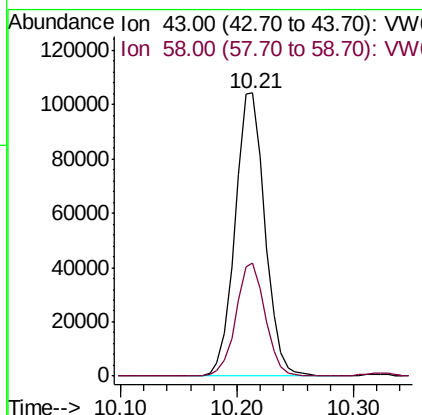
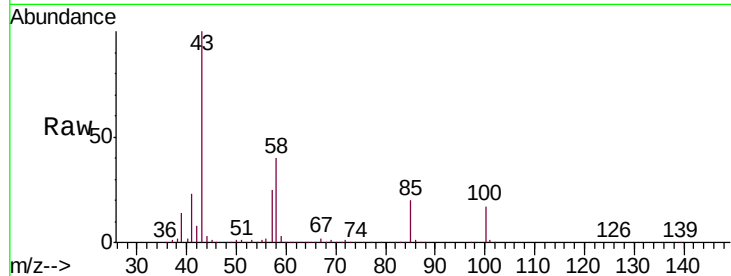




#51
 4-Methyl-2-Pentanone
 Concen: 264.282 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

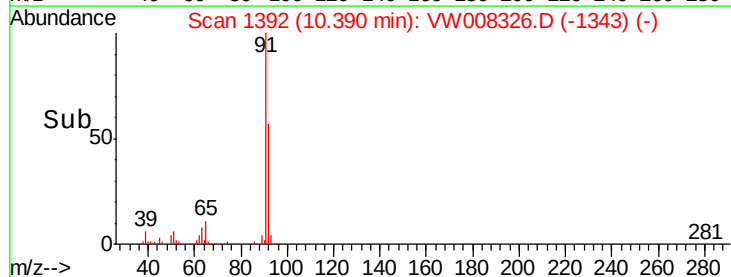
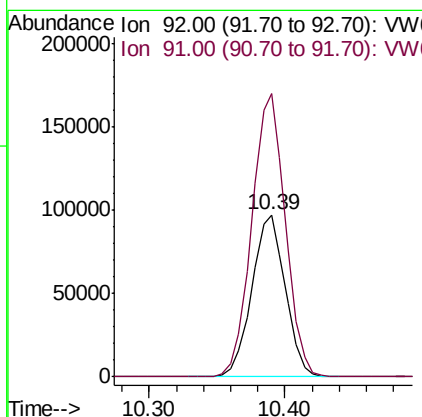
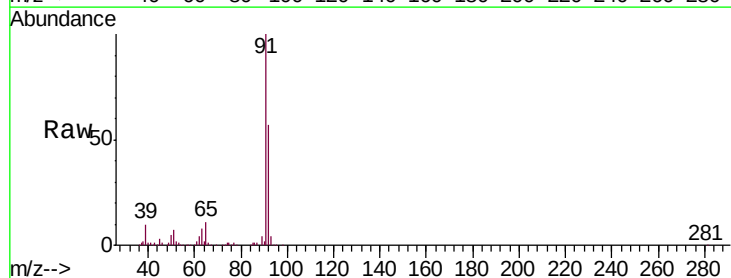
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

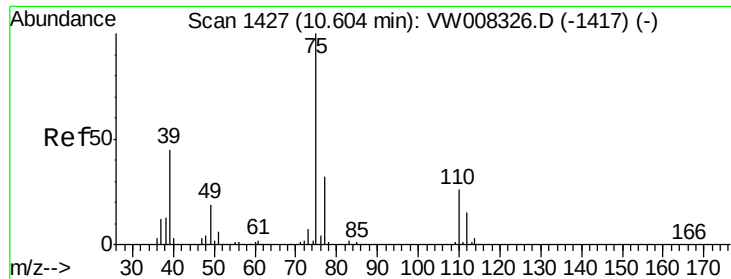
Tgt Ion: 43 Resp: 186184
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.4 47.0



#52
 Toluene
 Concen: 52.226 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion: 92 Resp: 167220
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 53.385 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

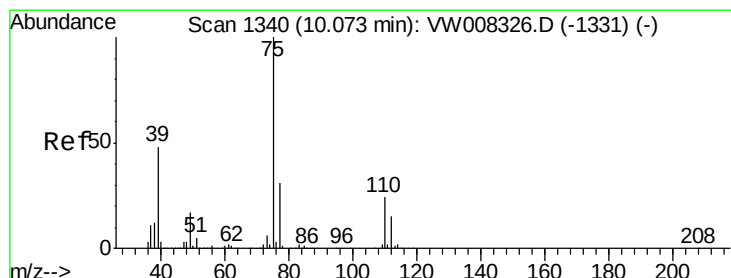
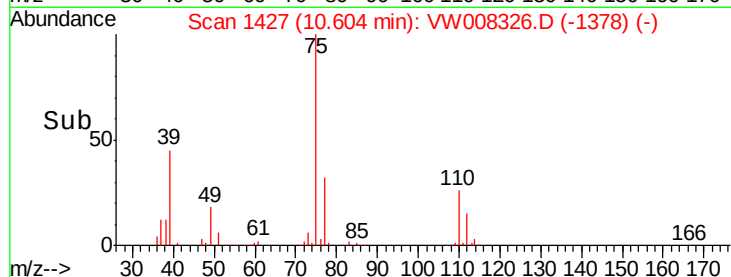
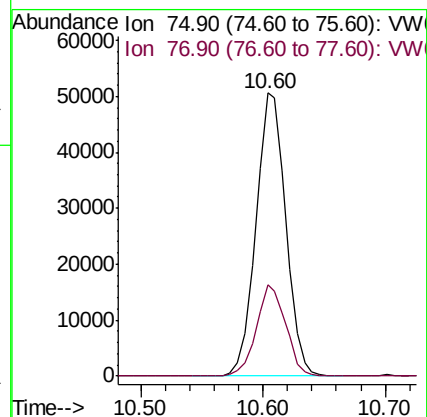
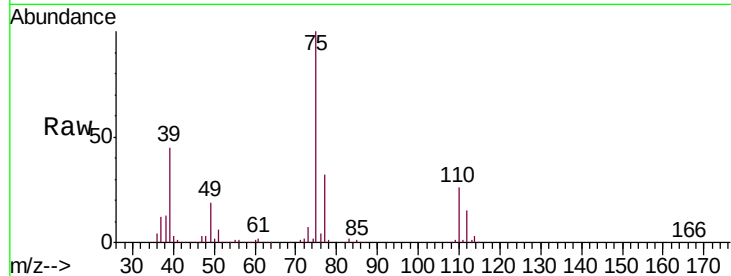
VSTDICCC050

Tgt Ion: 75 Resp: 86087

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 53.107 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

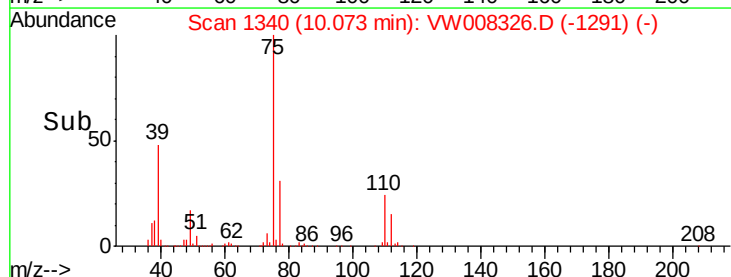
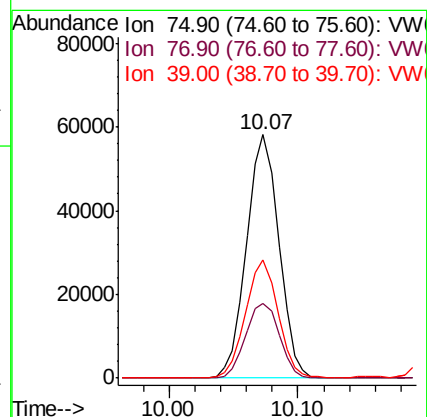
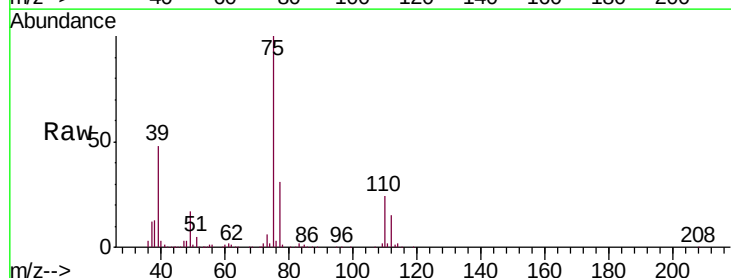
Tgt Ion: 75 Resp: 100954

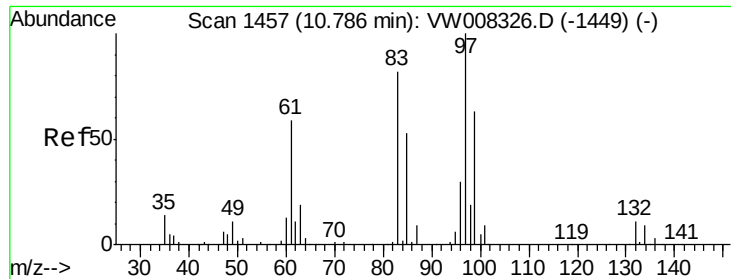
Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6

39 48.2 38.6 57.8

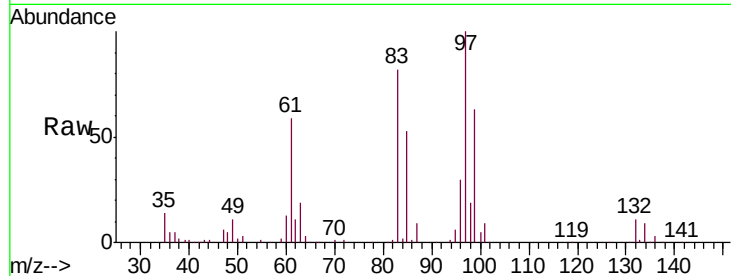




#55
 1,1,2-Trichloroethane
 Concen: 51.495 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	46784
Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.3	97.9
85	53.3	42.6	64.0
99	62.7	50.2	75.2



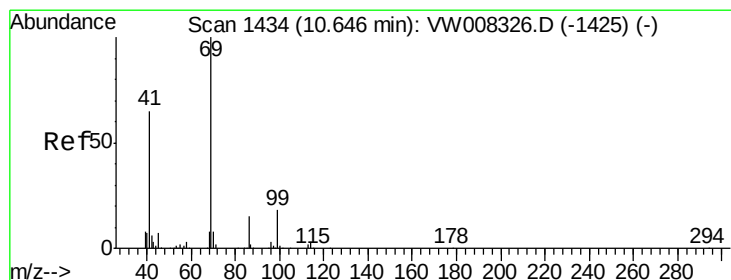
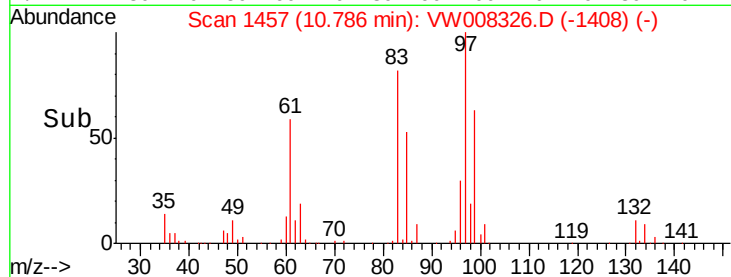
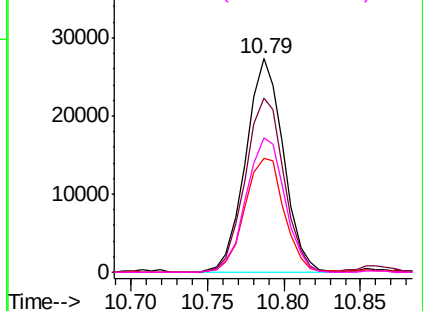
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

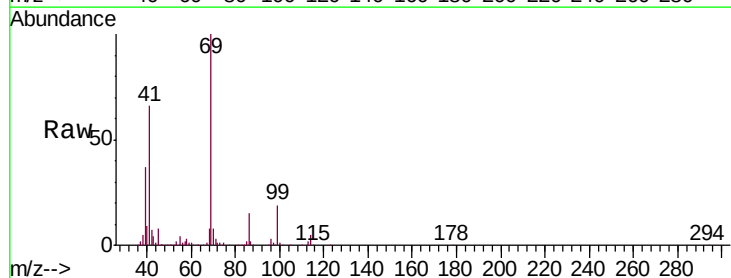
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 54.417 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion:	69	Resp:	58061
Ion	Ratio	Lower	Upper
69	100		
41	66.1	52.9	79.3
39	35.5	28.4	42.6

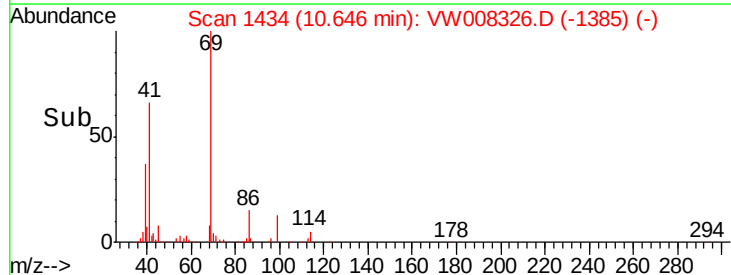
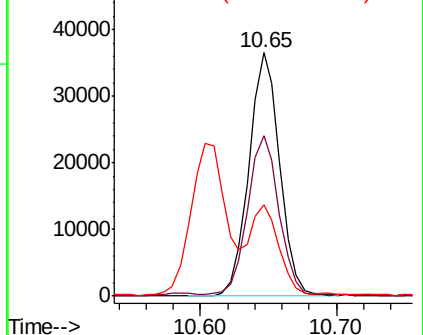


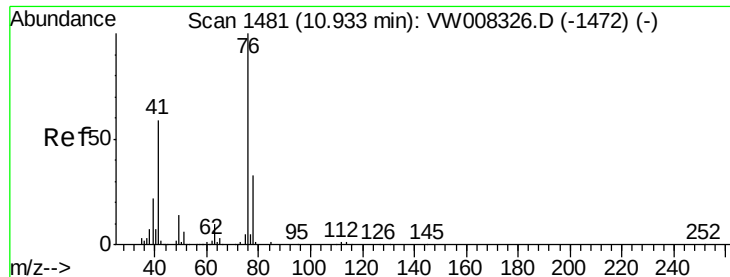
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

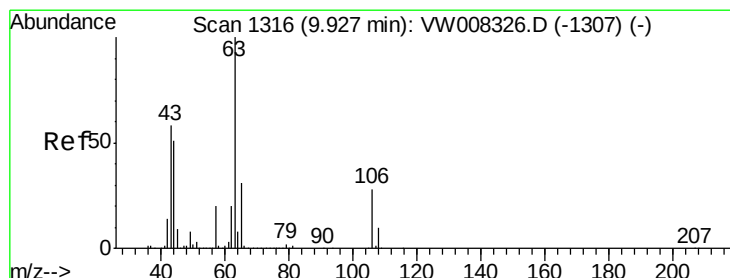
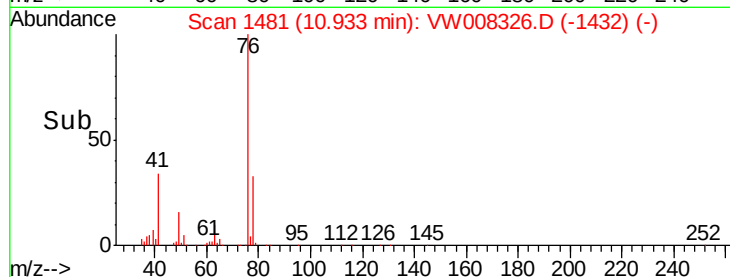
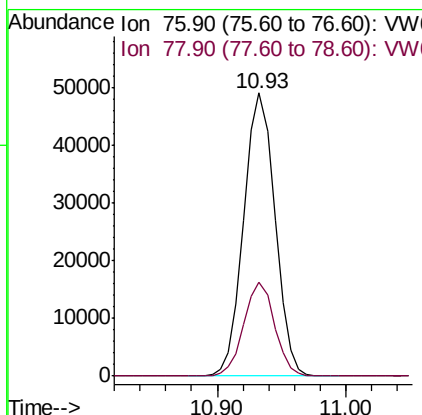
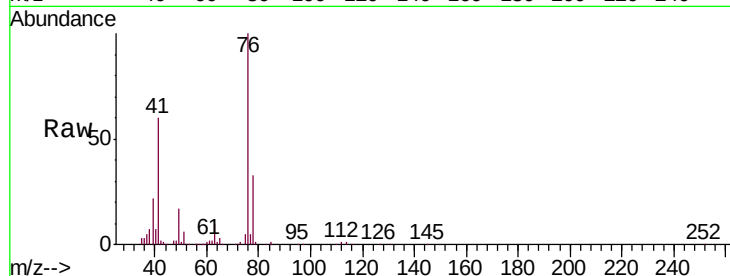




#57
 1,3-Dichloropropane
 Concen: 52.245 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

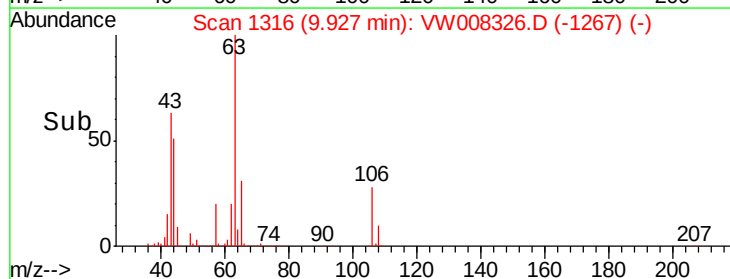
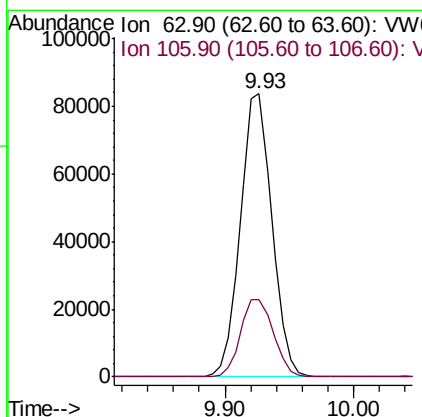
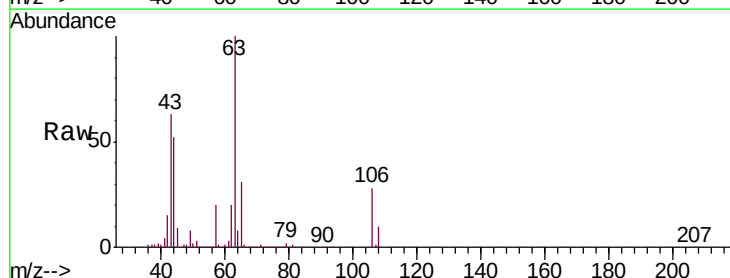
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

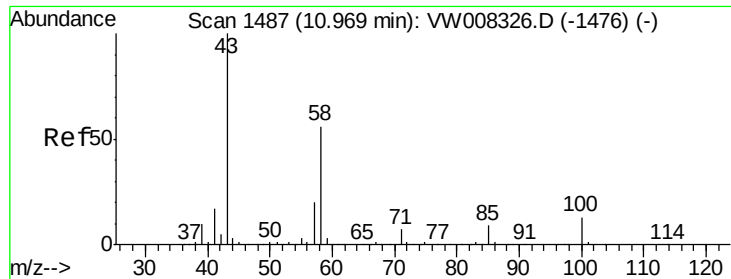
Tgt Ion: 76 Resp: 82414
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.011 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion: 63 Resp: 141536
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.9 34.3

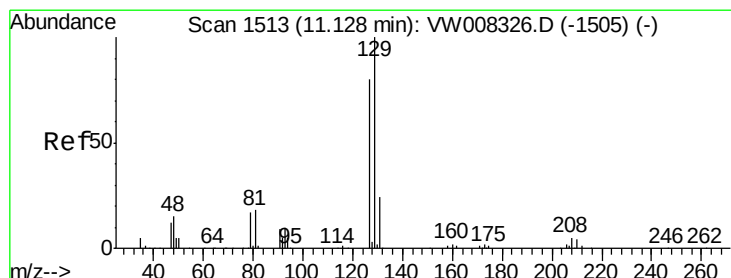
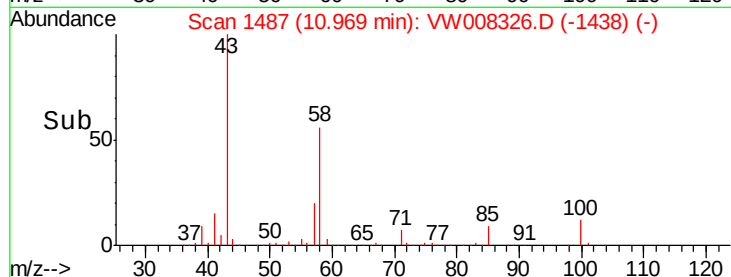
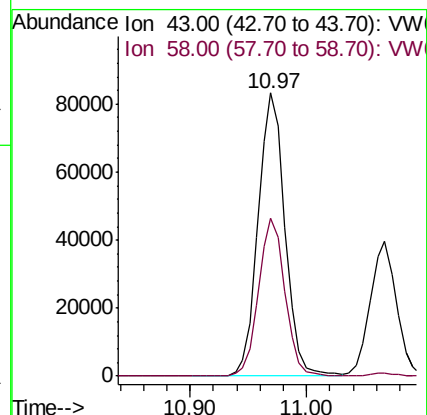
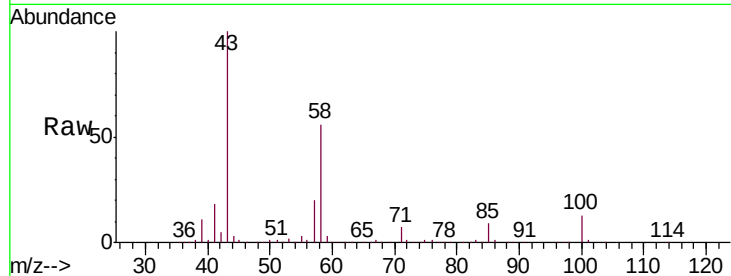




#59
2-Hexanone
Concen: 271.627 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

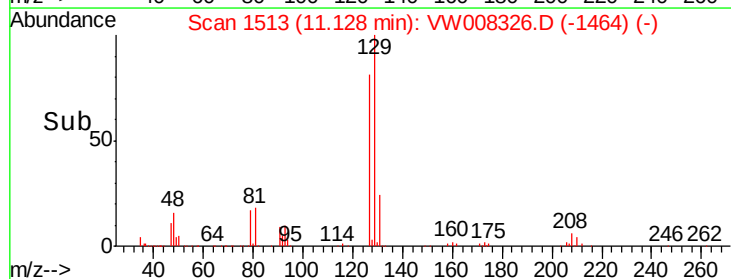
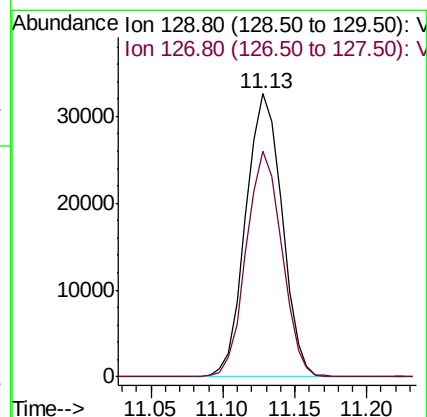
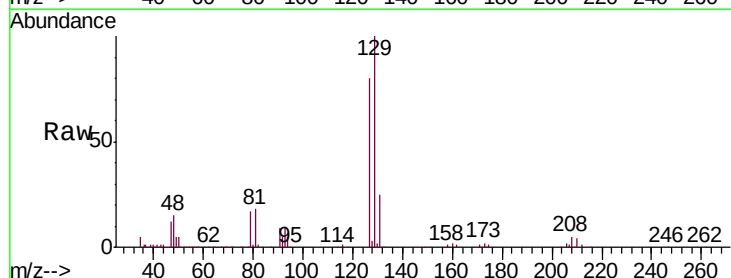
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

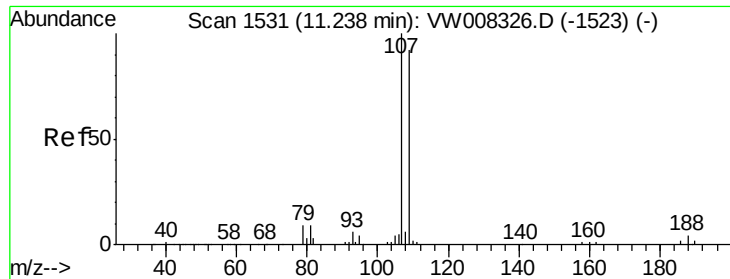
Tgt Ion: 43 Resp: 134078
Ion Ratio Lower Upper
43 100
58 55.0 27.5 82.5



#60
Dibromochloromethane
Concen: 52.517 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 129 Resp: 56943
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.839 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

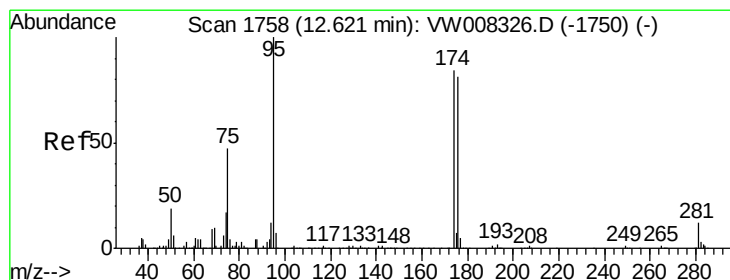
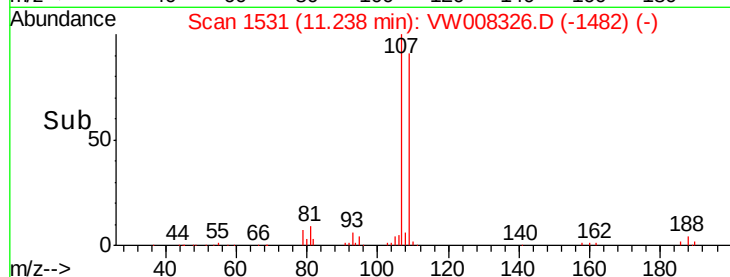
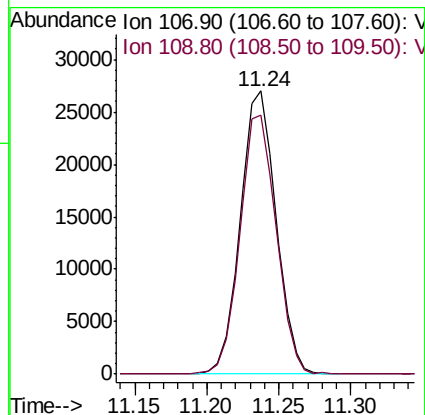
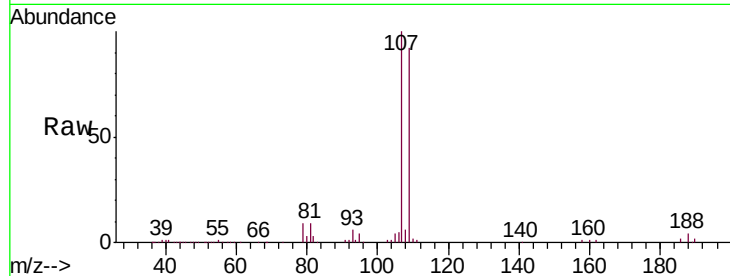
VSTDICCC050

Tgt Ion: 107 Resp: 46485

Ion Ratio Lower Upper

107 100

109 92.5 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 51.674 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

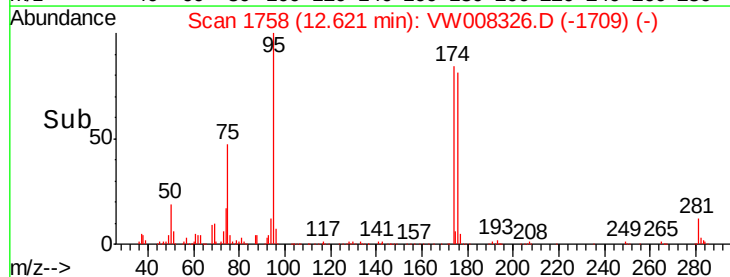
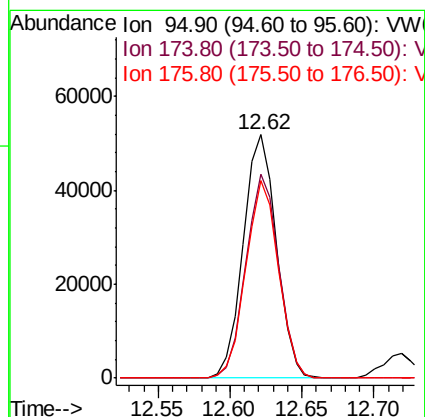
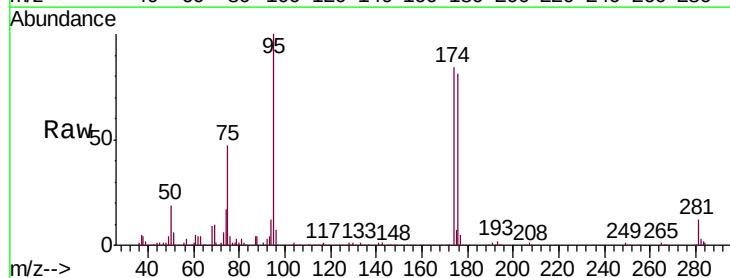
Tgt Ion: 95 Resp: 82509

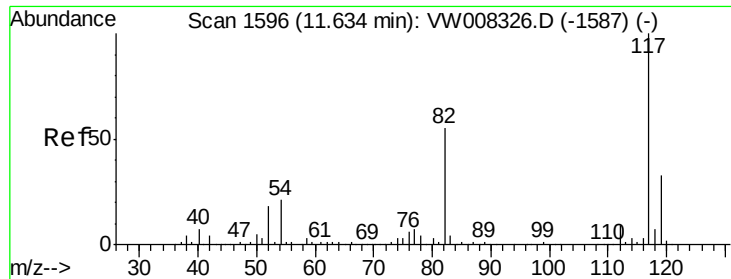
Ion Ratio Lower Upper

95 100

174 83.0 0.0 166.0

176 80.0 0.0 160.0

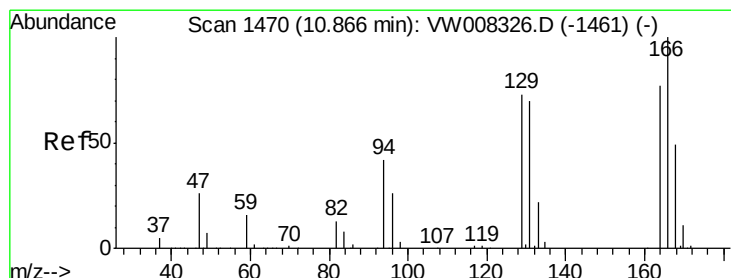
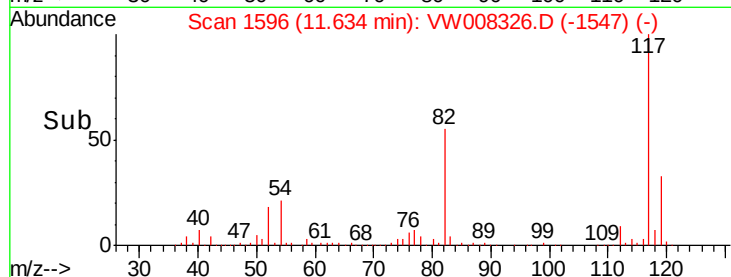
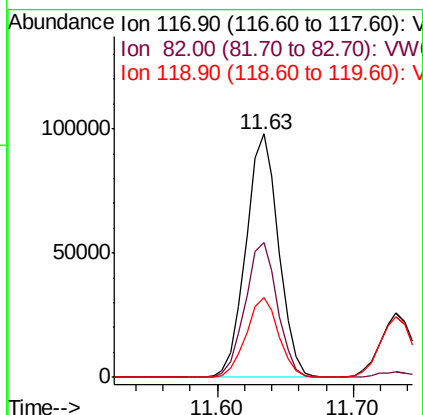
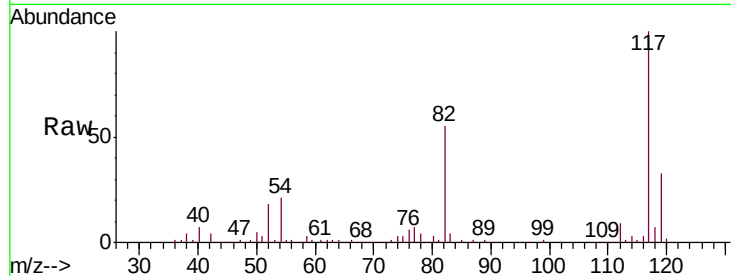




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

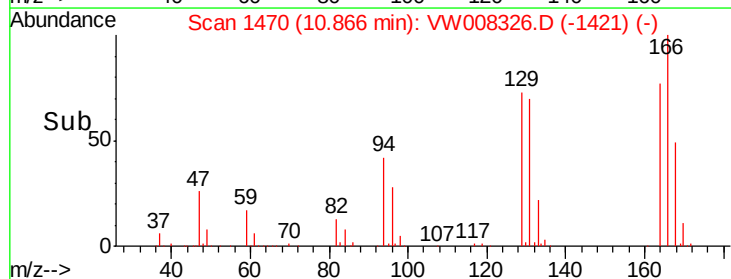
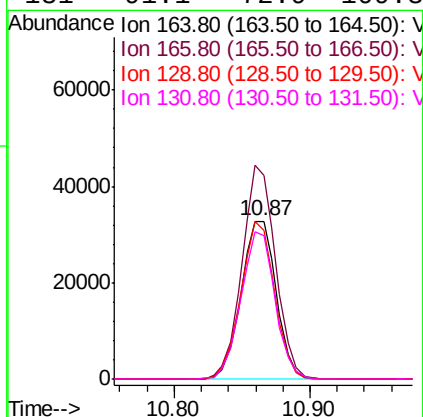
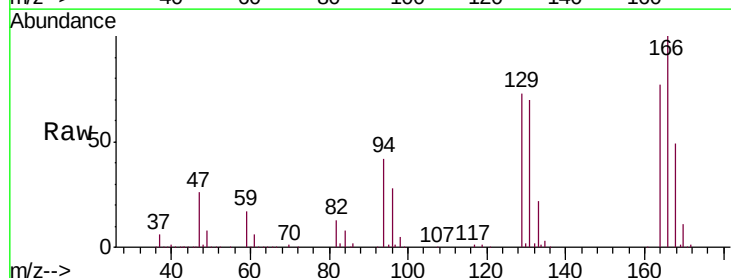
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

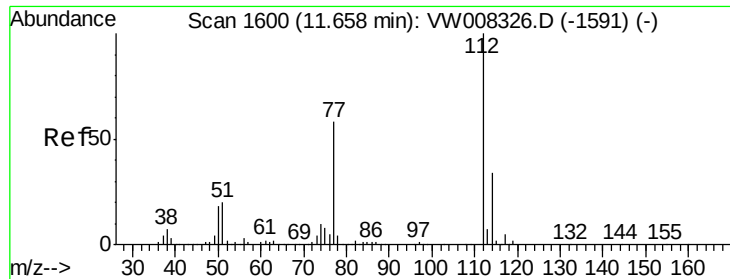
Tgt Ion:117 Resp: 164398
Ion Ratio Lower Upper
117 100
82 55.4 44.3 66.5
119 32.9 26.3 39.5



#64
Tetrachloroethene
Concen: 51.023 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion:164 Resp: 58816
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 93.8 75.0 112.6
131 91.1 72.9 109.3

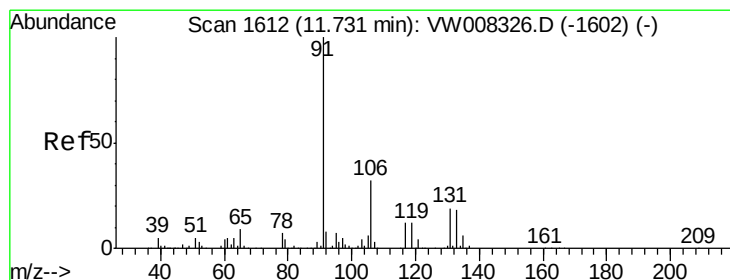
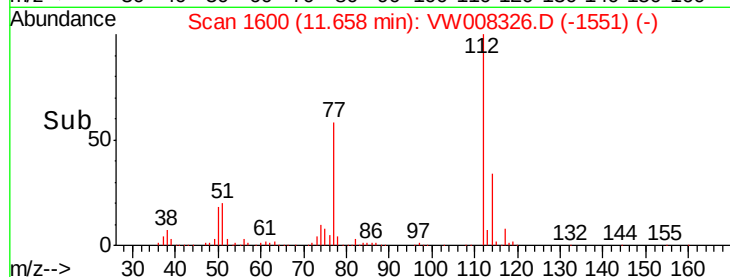
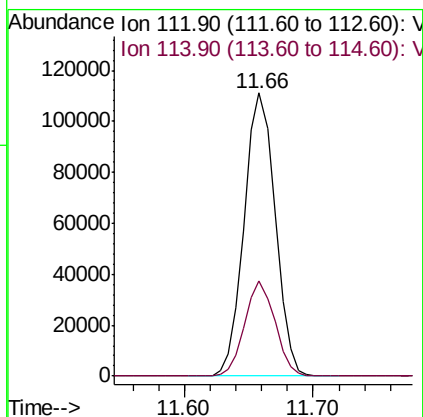
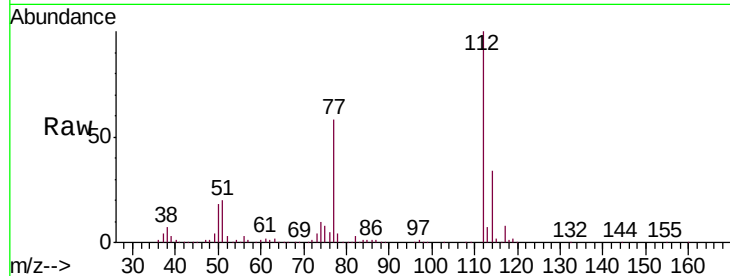




#65
Chlorobenzene
Concen: 51.643 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

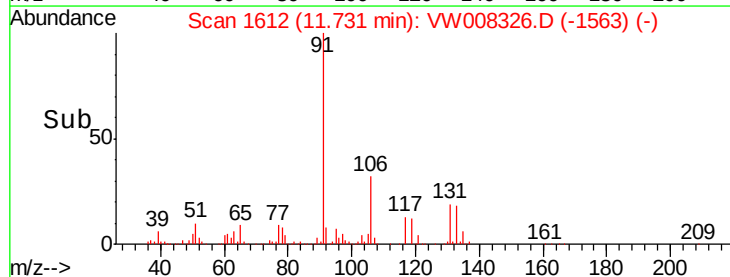
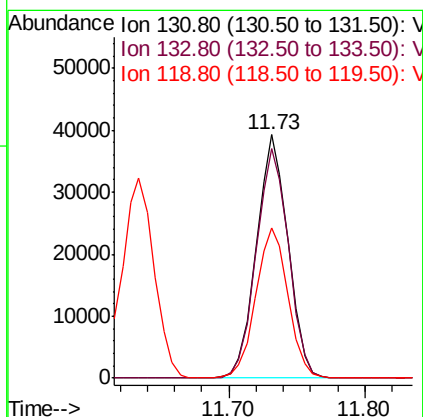
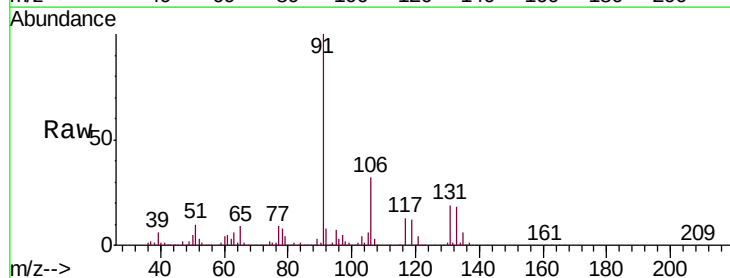
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

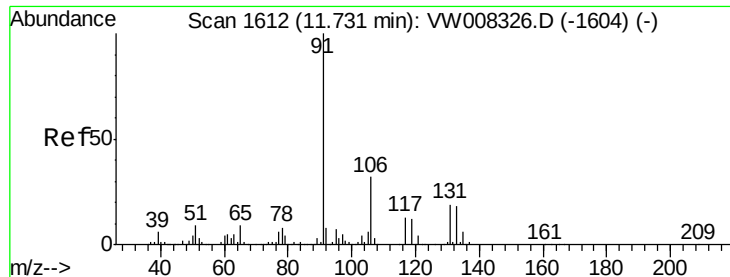
Tgt Ion:112 Resp: 185188
Ion Ratio Lower Upper
112 100
114 33.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.834 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion:131 Resp: 63972
Ion Ratio Lower Upper
131 100
133 96.4 48.2 144.6
119 63.1 31.6 94.7

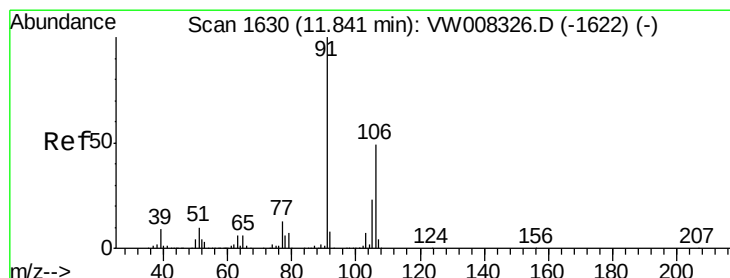
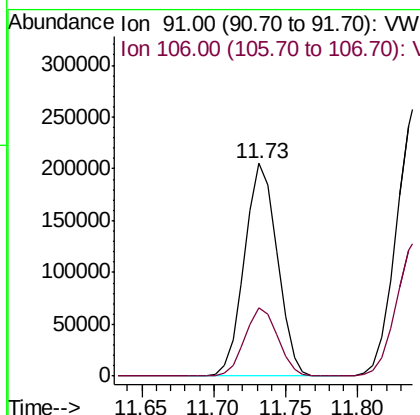
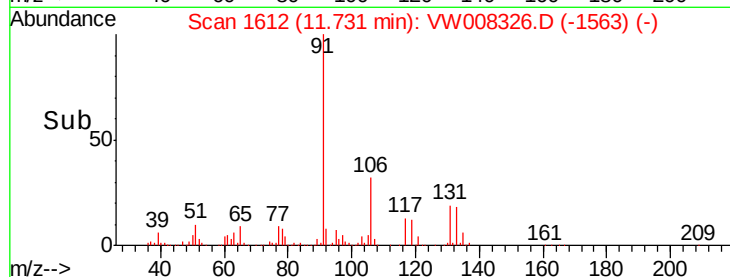
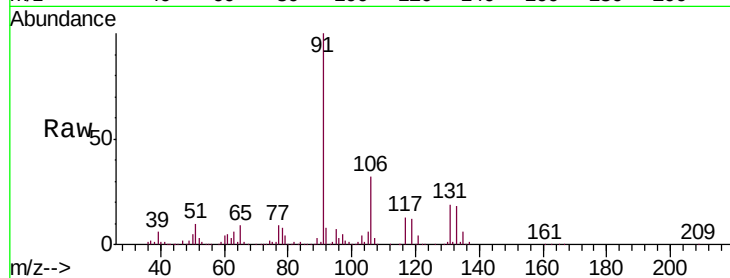




#67
Ethyl Benzene
Concen: 52.154 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

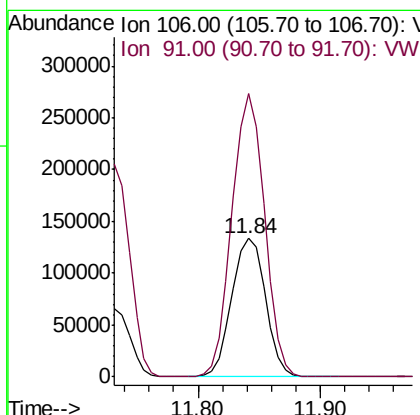
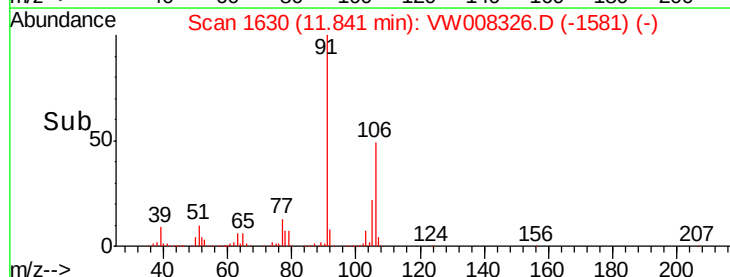
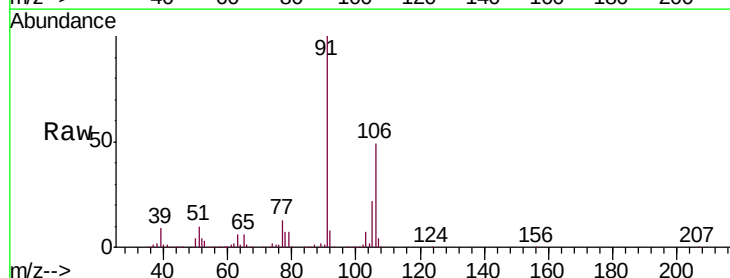
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

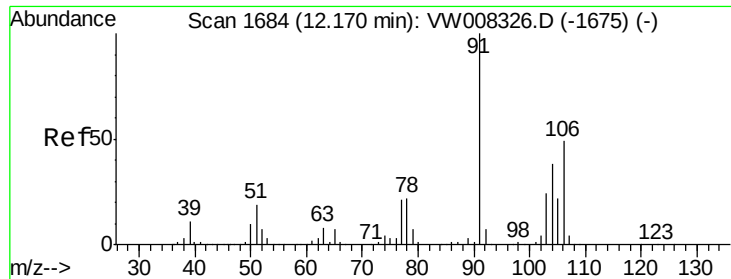
Tgt Ion: 91 Resp: 324728
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2



#68
m/p-Xylenes
Concen: 105.799 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion: 106 Resp: 255685
Ion Ratio Lower Upper
106 100
91 198.0 158.4 237.6

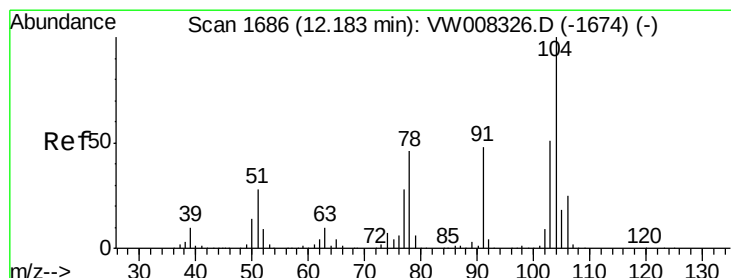
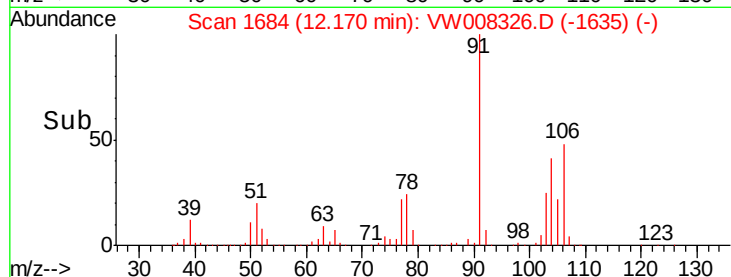
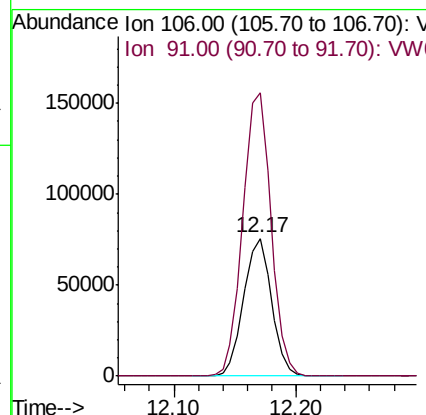
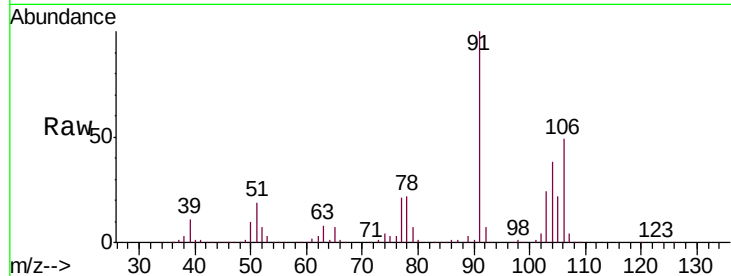




#69
o-Xylene
Concen: 53.140 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

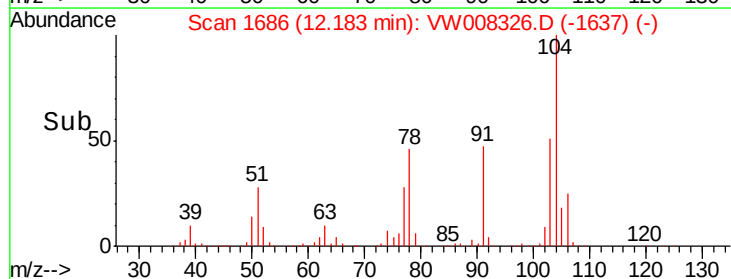
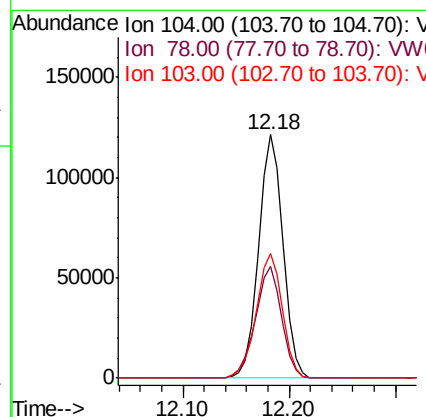
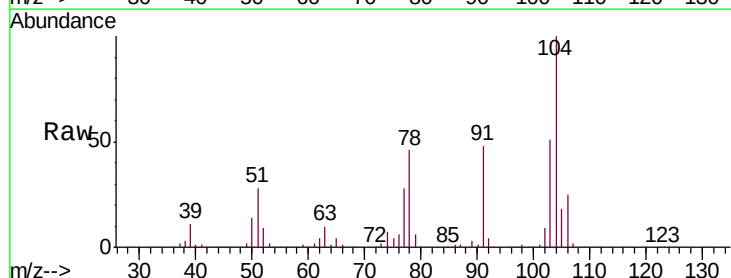
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

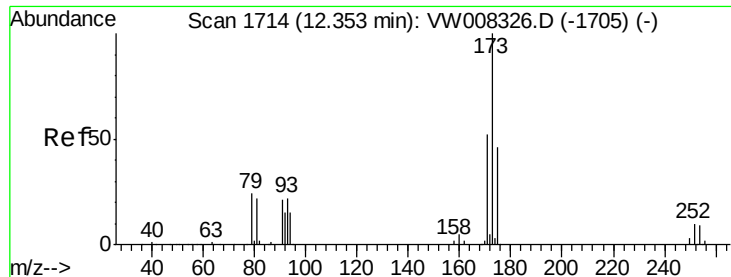
Tgt Ion:106 Resp: 119981
Ion Ratio Lower Upper
106 100
91 208.2 104.1 312.3



#70
Styrene
Concen: 53.608 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion:104 Resp: 194418
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 55.0 44.0 66.0





#71

Bromoform

Concen: 53.473 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

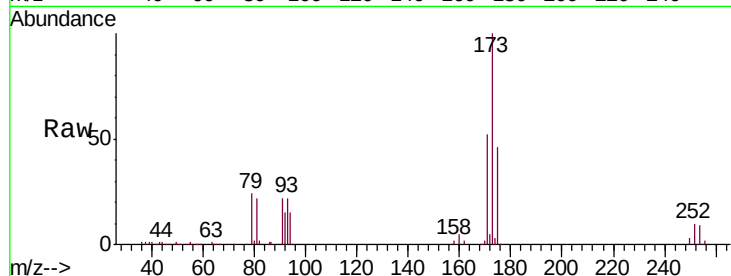
Tgt Ion:173 Resp: 32876

Ion Ratio Lower Upper

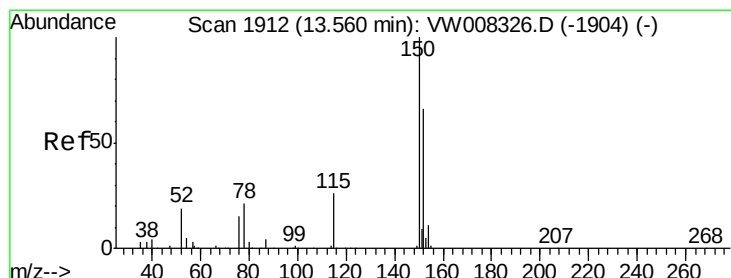
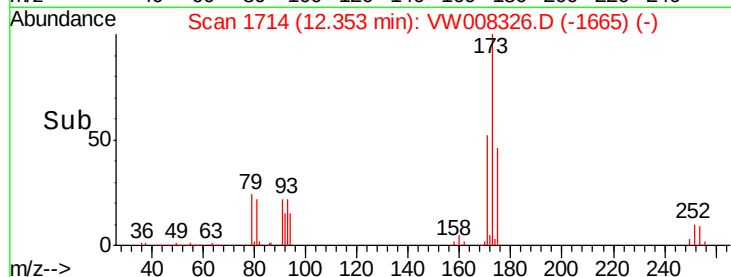
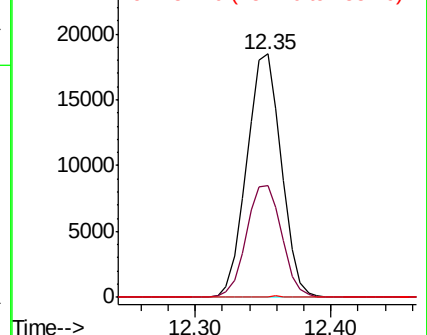
173 100

175 47.2 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: VW008326.D

Acq: 17 Jan 2019 14:05

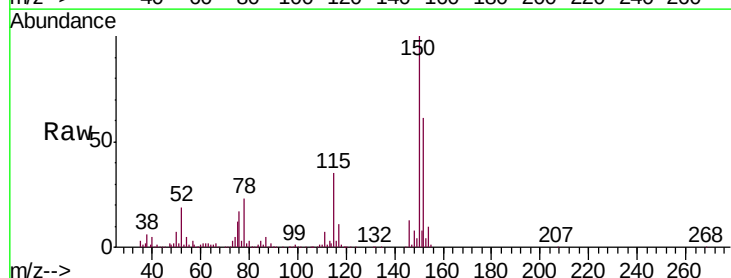
Tgt Ion:152 Resp: 83852

Ion Ratio Lower Upper

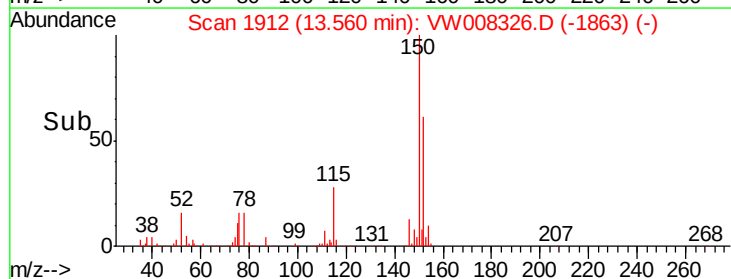
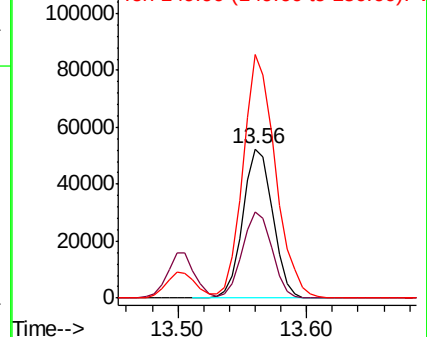
152 100

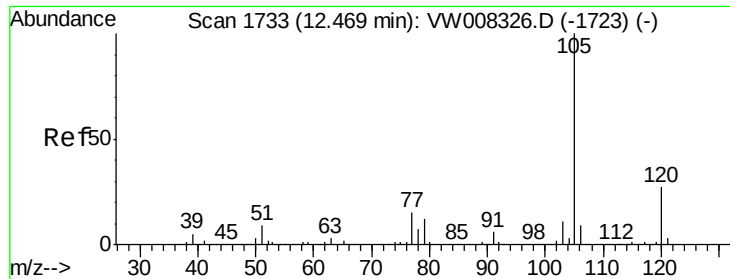
115 57.6 28.8 86.4

150 175.7 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: 52.455 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

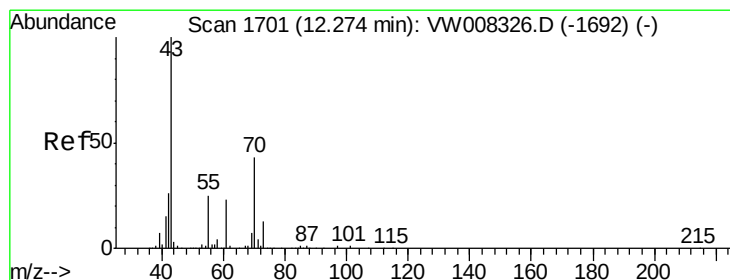
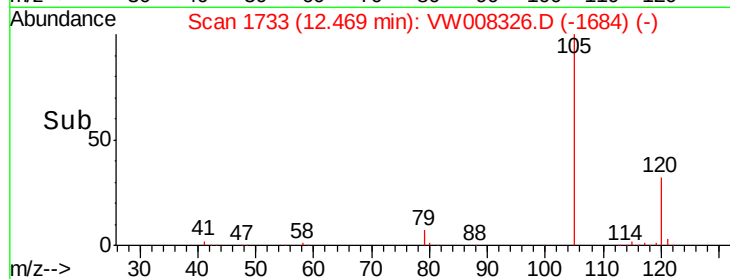
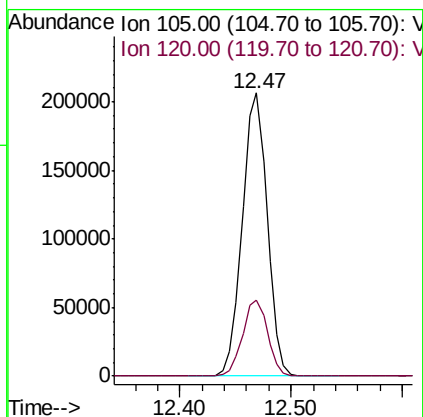
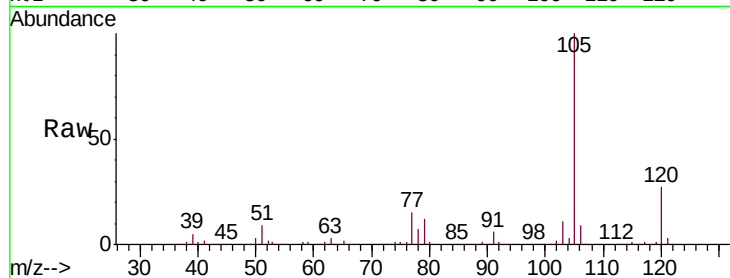
VSTDICCC050

Tgt Ion: 105 Resp: 320484

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 52.112 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Tgt Ion: 43 Resp: 68231

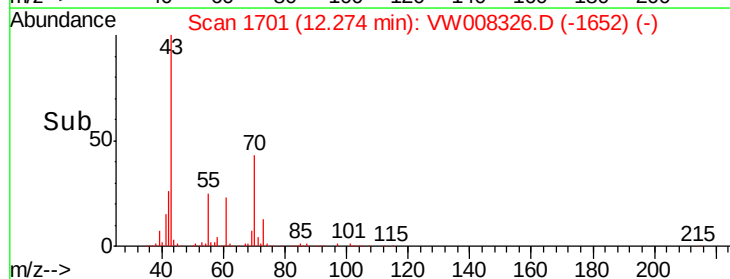
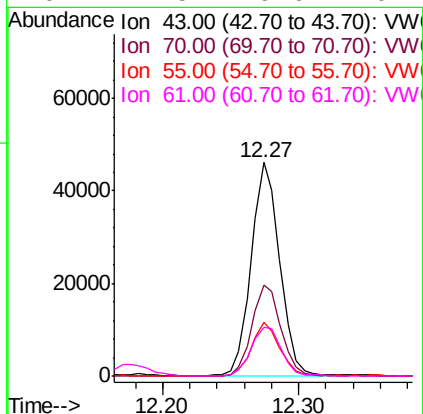
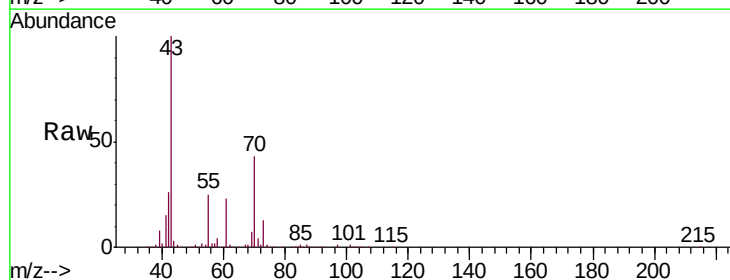
Ion Ratio Lower Upper

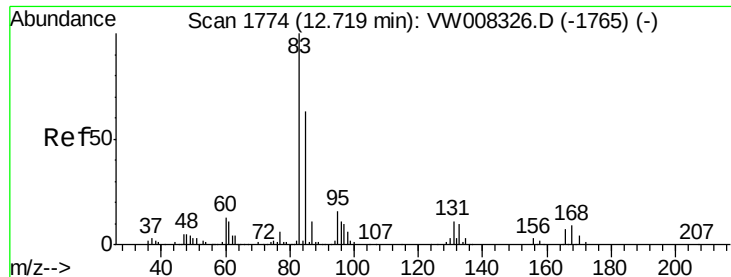
43 100

70 43.3 34.6 52.0

55 25.0 20.0 30.0

61 24.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.829 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

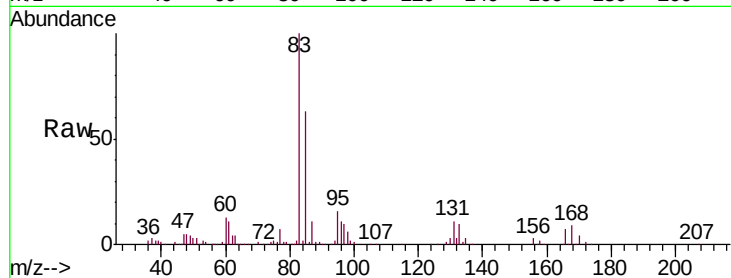
Tgt Ion: 83 Resp: 52822

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.5

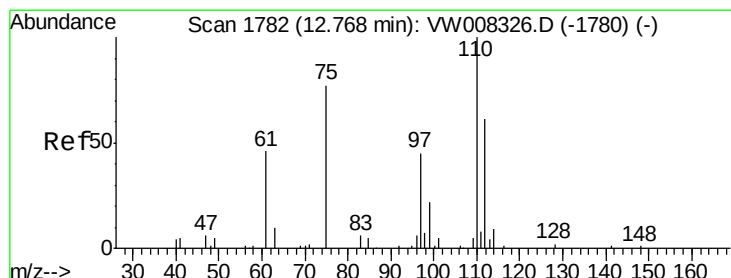
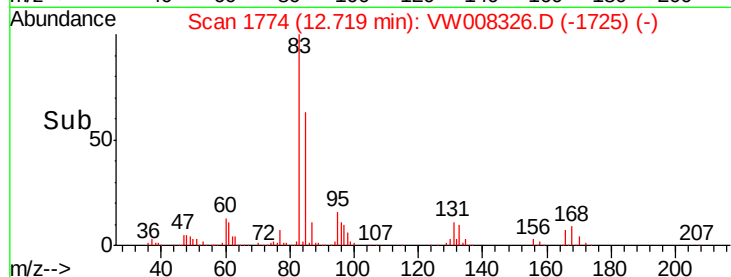
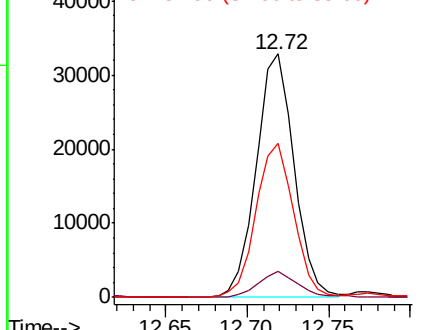
85 63.1 31.6 94.7



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: 84.987 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008326.D

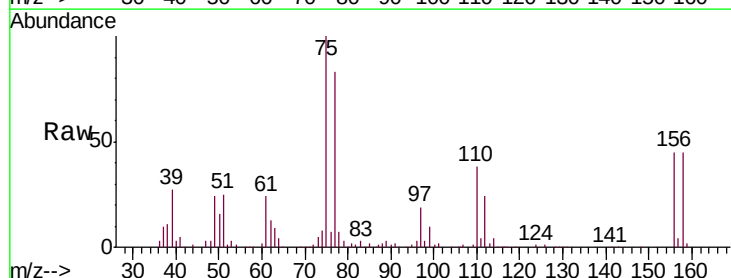
Acq: 17 Jan 2019 14:05

Tgt Ion: 75 Resp: 69275

Ion Ratio Lower Upper

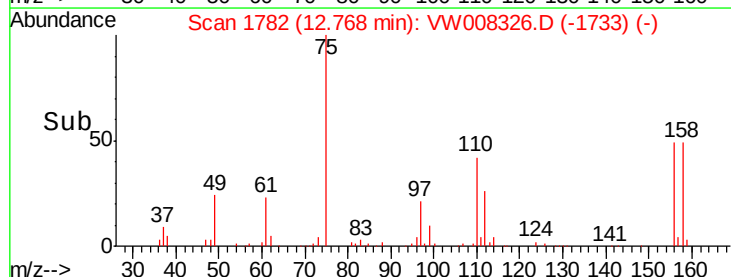
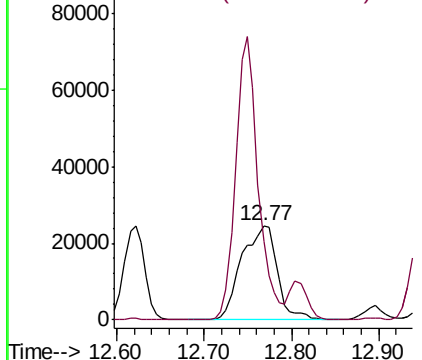
75 100

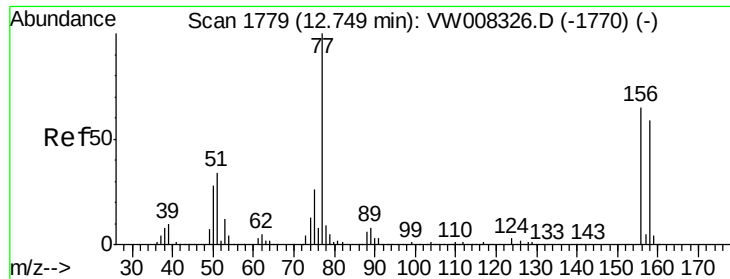
77 192.5 175.3 526.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.462 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

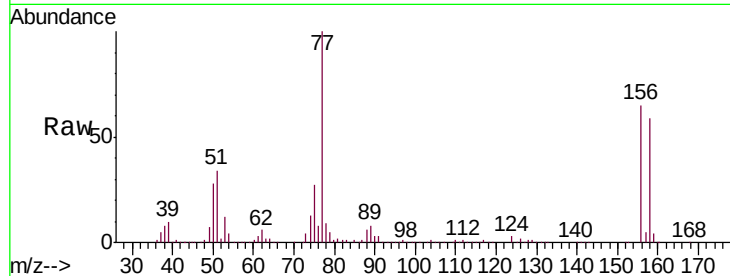
Tgt Ion: 156 Resp: 75522

Ion Ratio Lower Upper

156 100

77 176.6 88.3 264.9

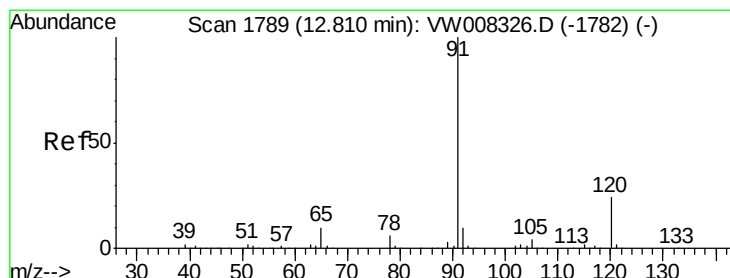
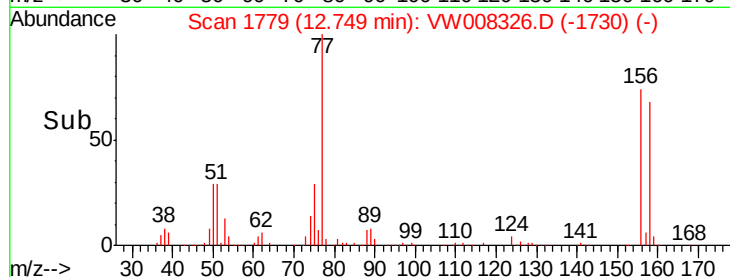
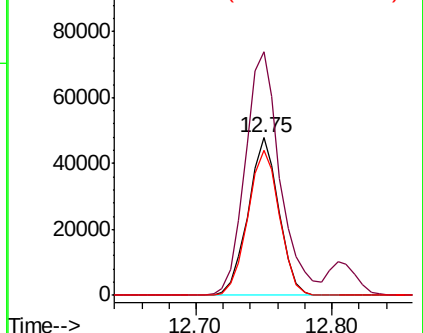
158 95.2 47.6 142.8



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: 52.475 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008326.D

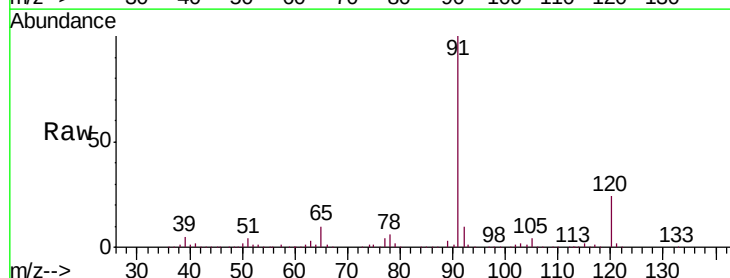
Acq: 17 Jan 2019 14:05

Tgt Ion: 91 Resp: 388053

Ion Ratio Lower Upper

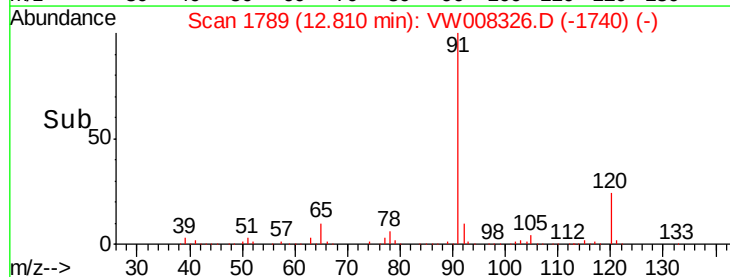
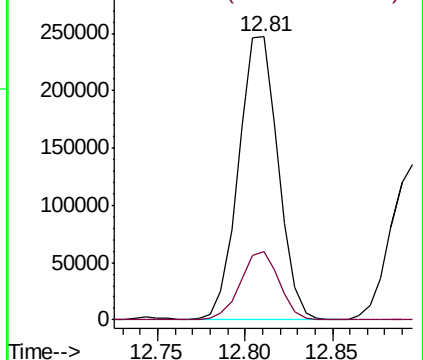
91 100

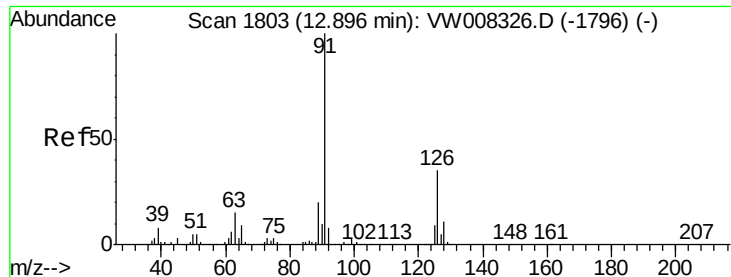
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

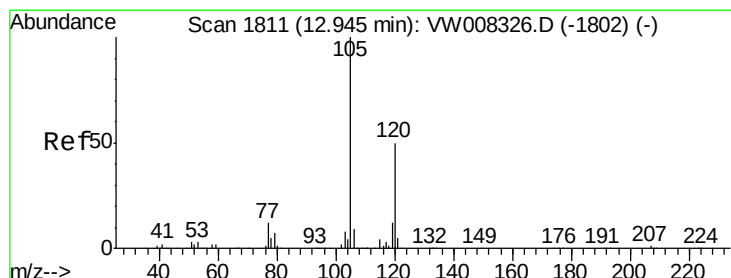
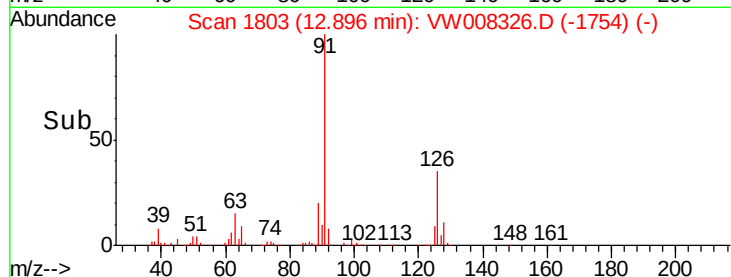
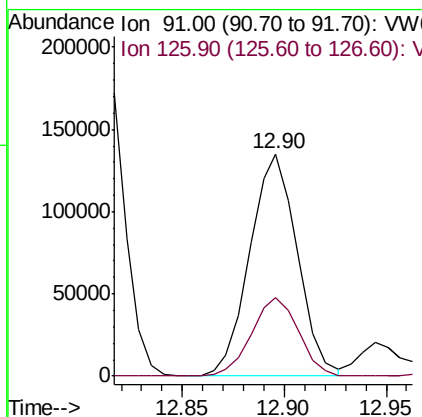
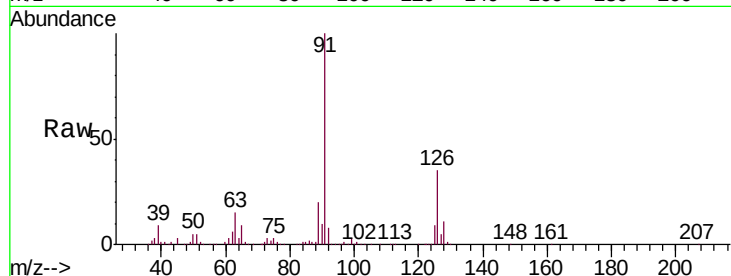




#79
 2-Chlorotoluene
 Concen: 51.688 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

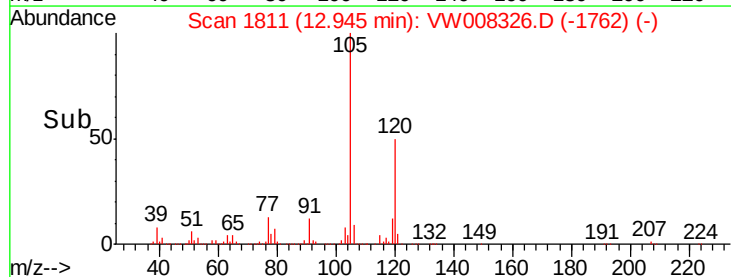
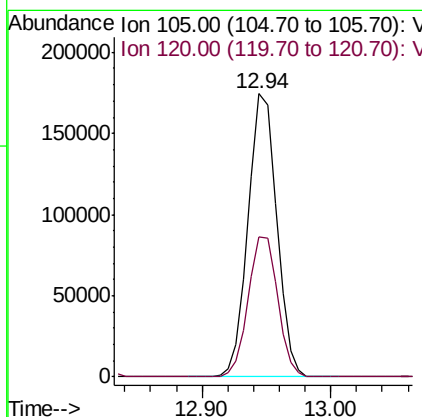
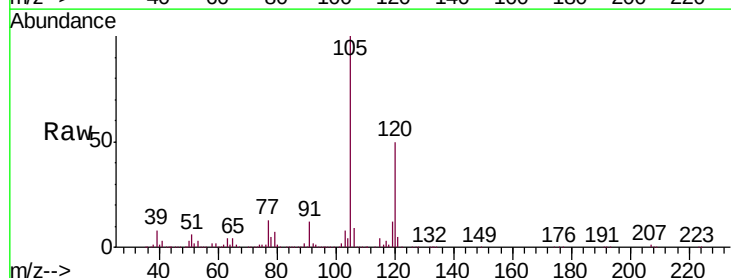
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

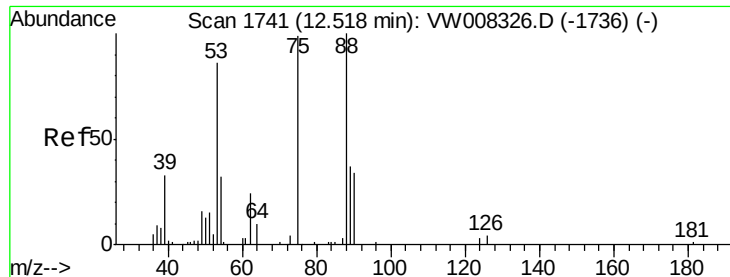
Tgt Ion: 91 Resp: 218392
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 52.358 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion: 105 Resp: 266940
 Ion Ratio Lower Upper
 105 100
 120 51.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.729 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

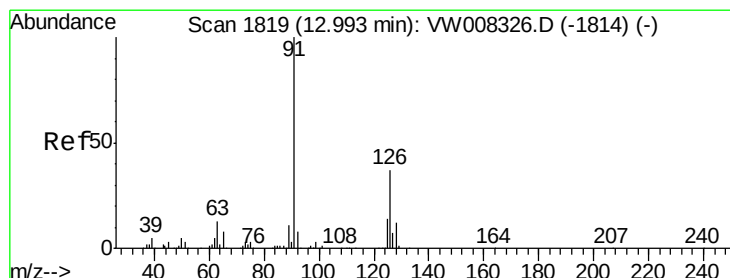
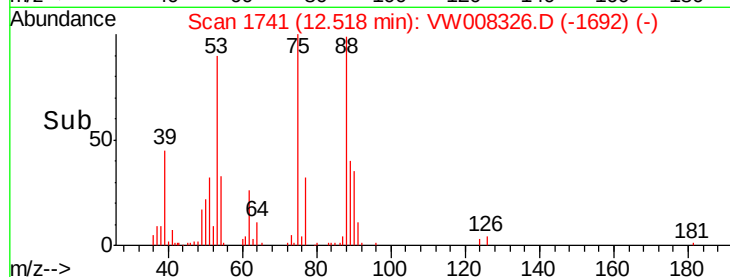
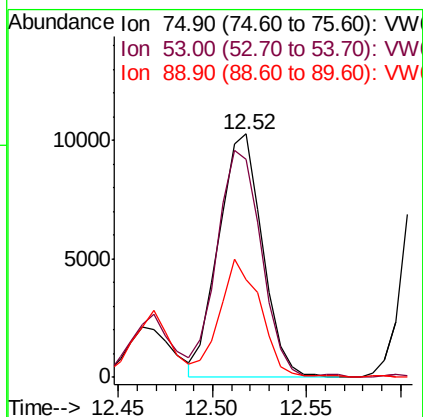
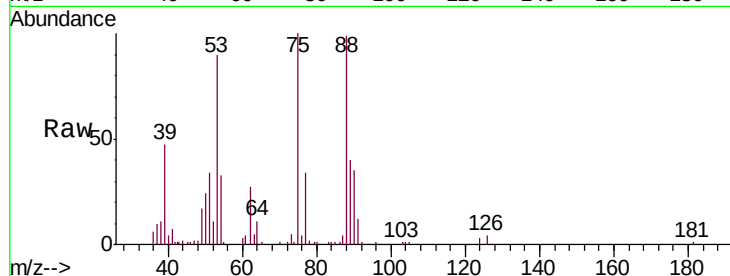
Tgt Ion: 75 Resp: 16552

Ion Ratio Lower Upper

75 100

53 95.3 76.2 114.4

89 45.9 36.7 55.1



#82

4-Chlorotoluene

Concen: 51.624 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008326.D

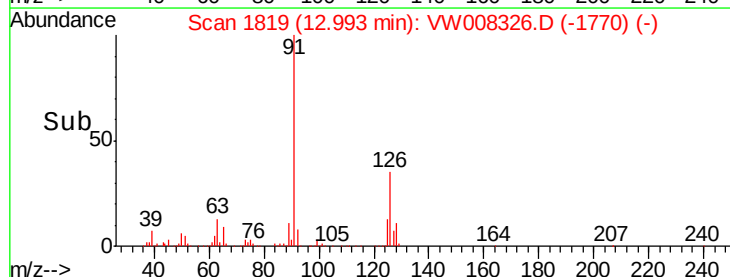
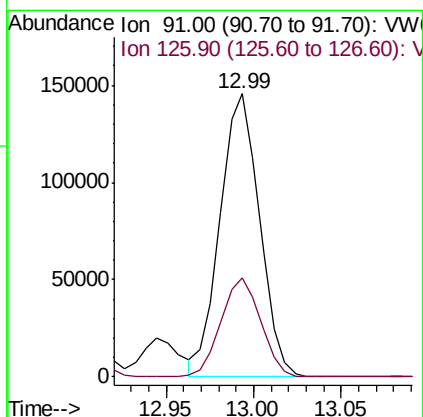
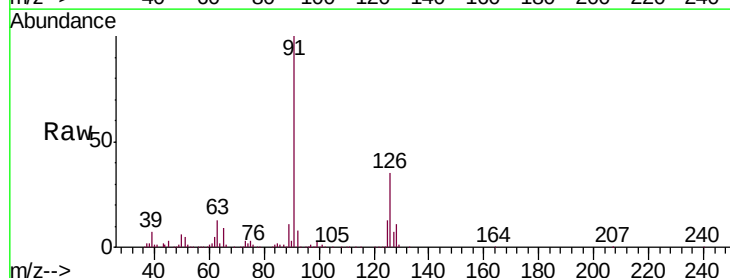
Acq: 17 Jan 2019 14:05

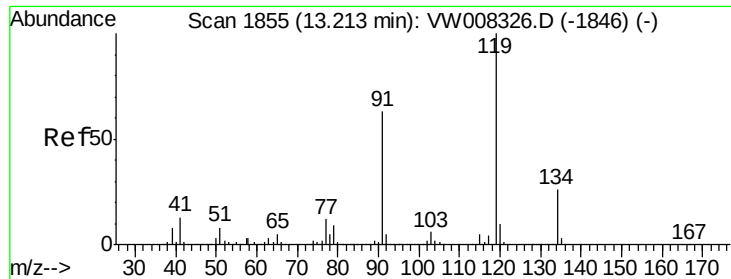
Tgt Ion: 91 Resp: 227931

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.3

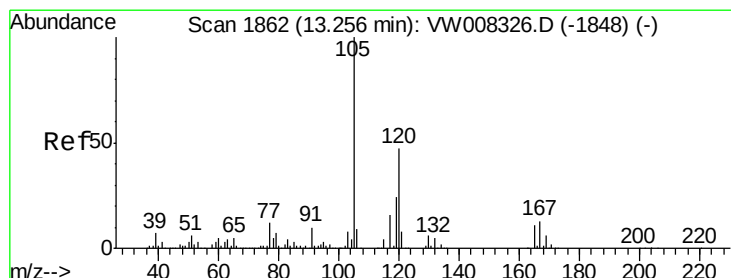
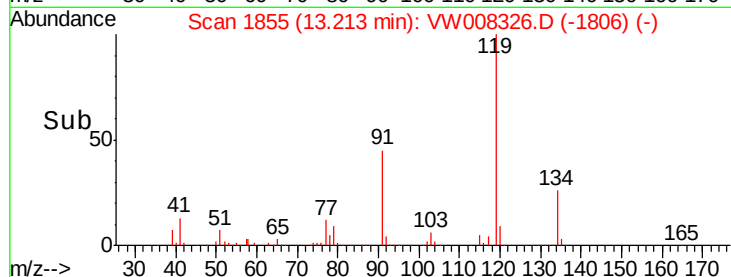
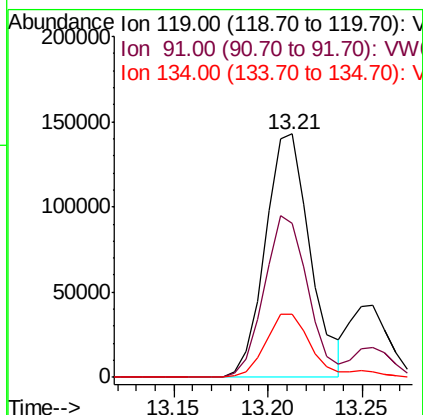
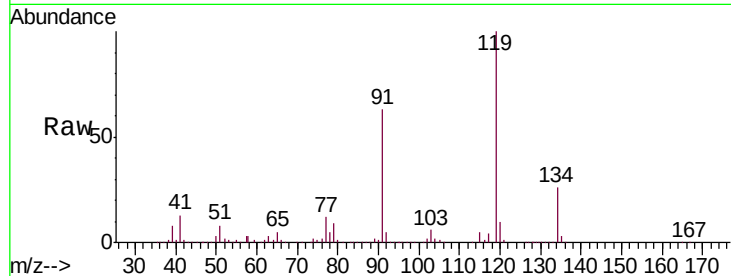




#83
 tert-Butylbenzene
 Concen: 52.658 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

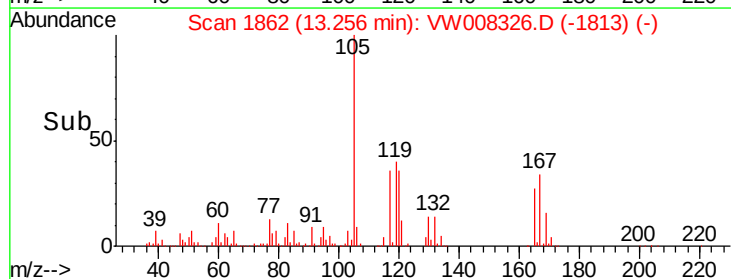
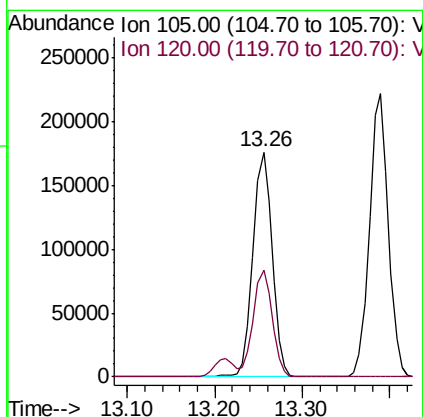
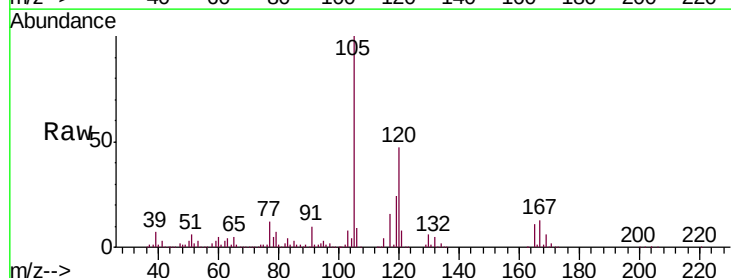
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

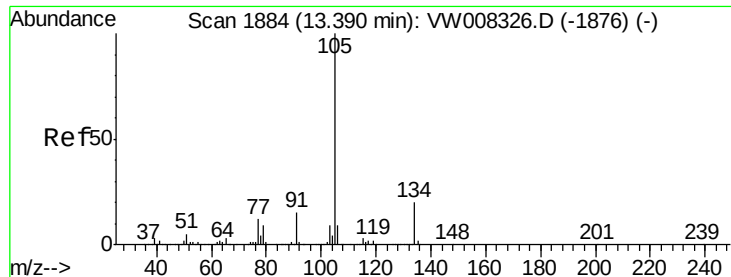
Tgt Ion:119 Resp: 236295
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.4 97.0
 134 27.8 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.736 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion:105 Resp: 268702
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6





#85

sec-Butylbenzene

Concen: 51.787 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

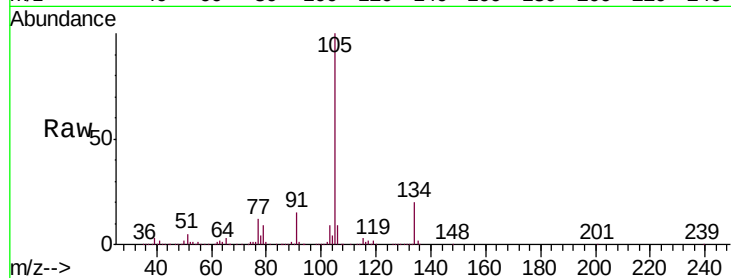
VSTDICCC050

Tgt Ion:105 Resp: 333652

Ion Ratio Lower Upper

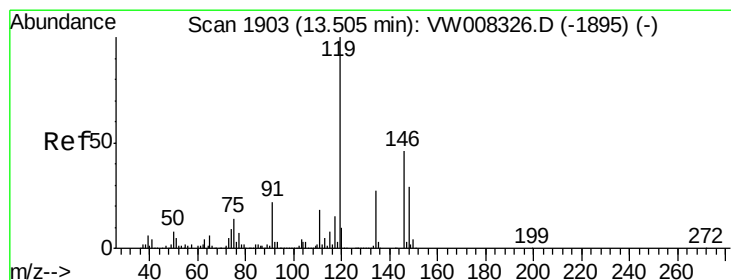
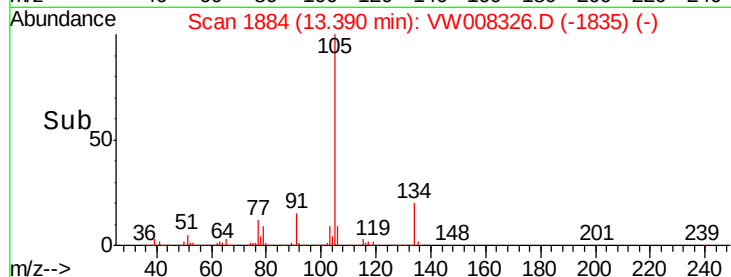
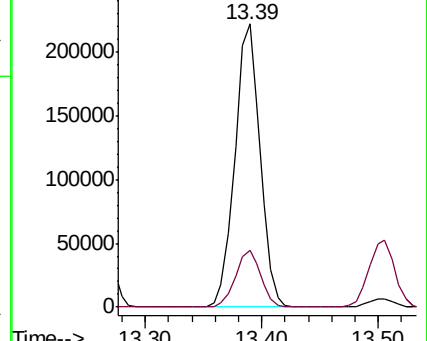
105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.613 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

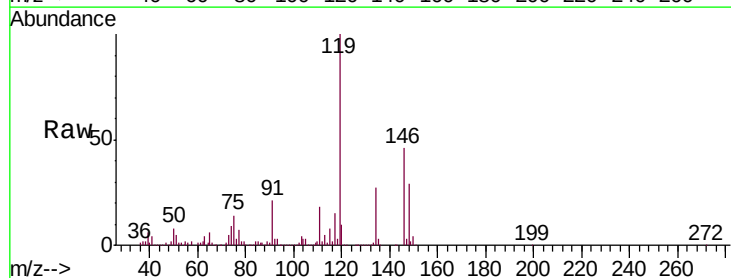
Tgt Ion:119 Resp: 296062

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.0

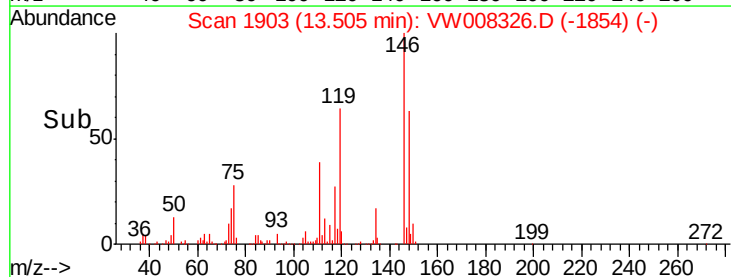
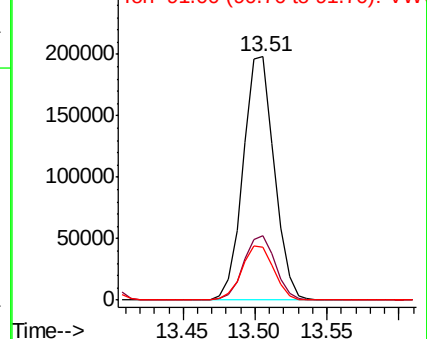
91 22.8 11.4 34.2

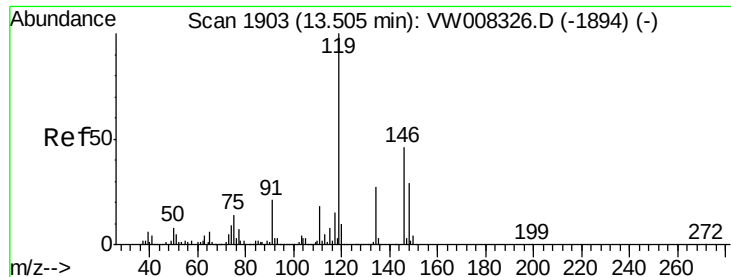


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.187 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

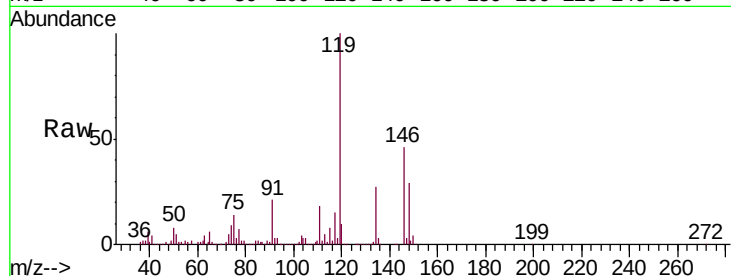
Tgt Ion:146 Resp: 149252

Ion Ratio Lower Upper

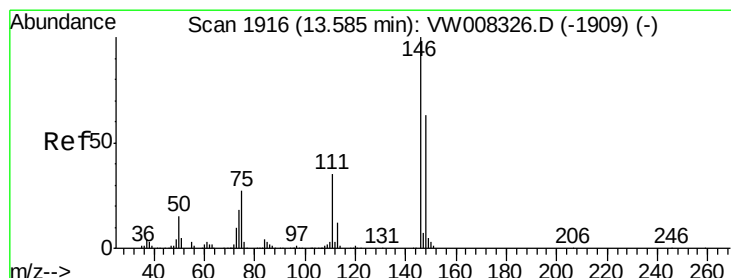
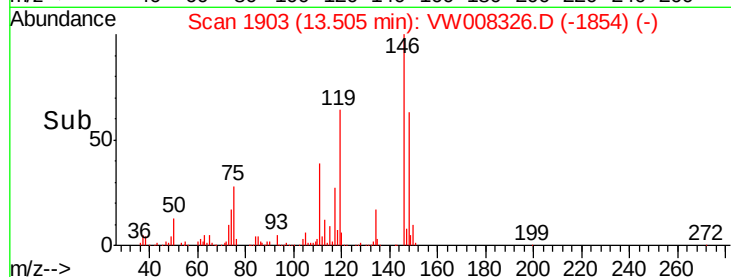
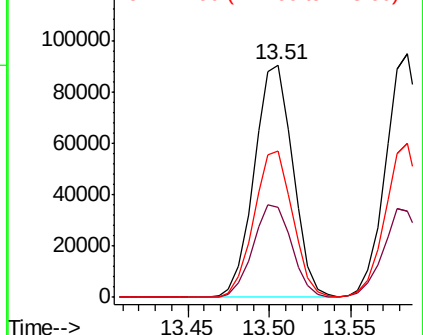
146 100

111 39.8 19.9 59.7

148 62.9 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 51.179 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

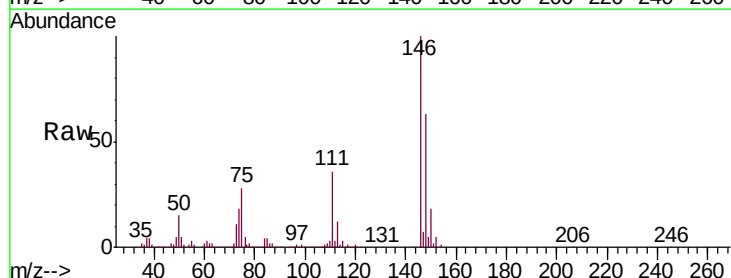
Tgt Ion:146 Resp: 149506

Ion Ratio Lower Upper

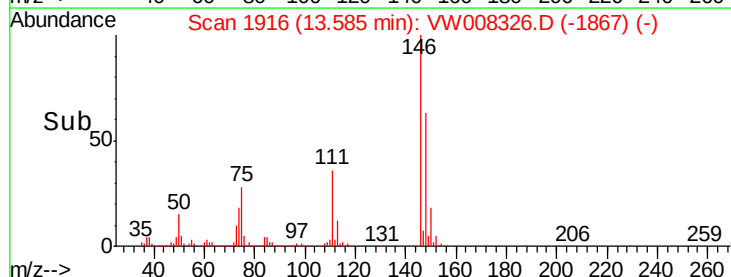
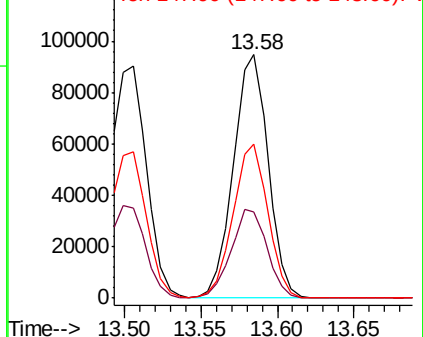
146 100

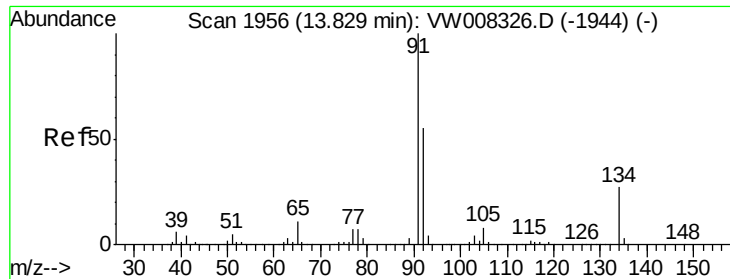
111 37.7 18.9 56.5

148 63.2 31.6 94.8



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





#89

n-Butylbenzene

Concen: 52.711 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008326.D

Acq: 17 Jan 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

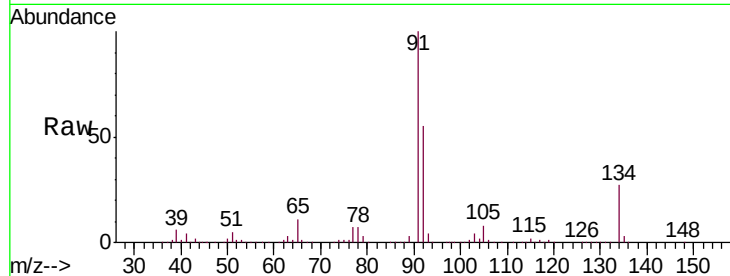
Tgt Ion: 91 Resp: 284521

Ion Ratio Lower Upper

91 100

92 54.4 27.2 81.6

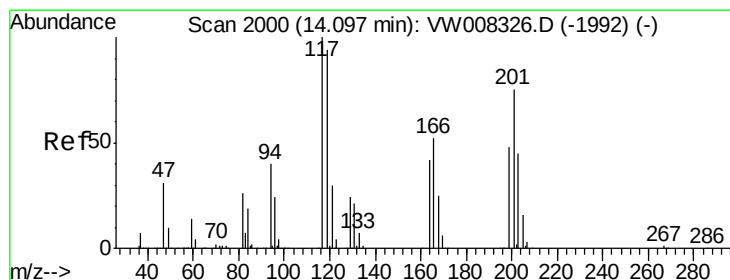
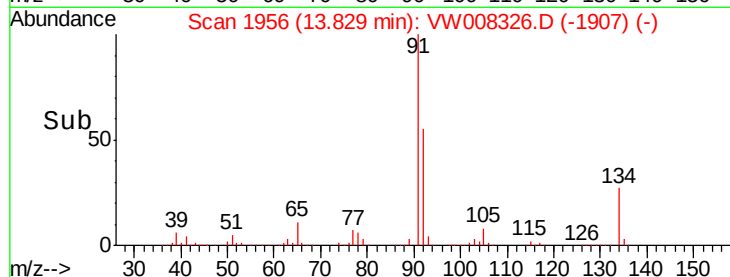
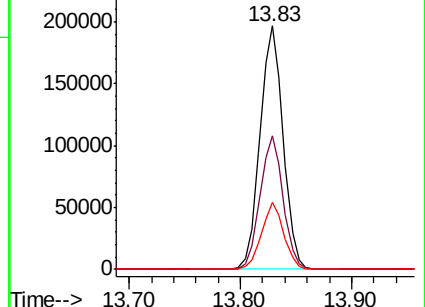
134 26.7 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.630 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008326.D

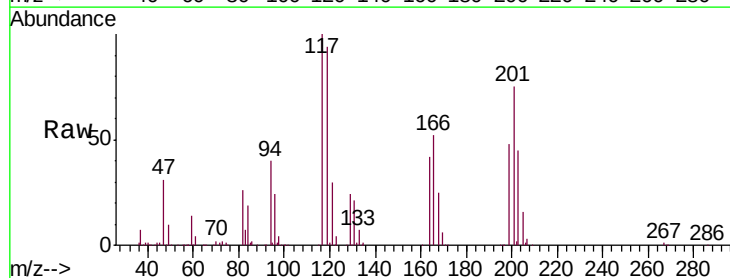
Acq: 17 Jan 2019 14:05

Tgt Ion: 117 Resp: 52725

Ion Ratio Lower Upper

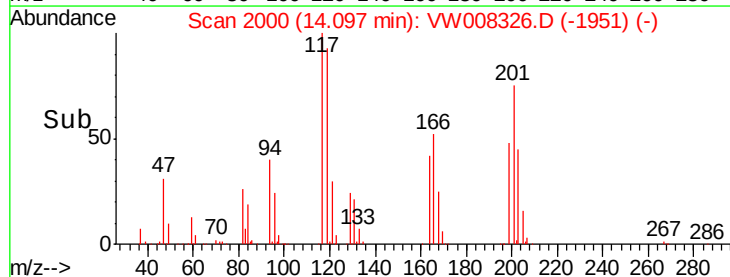
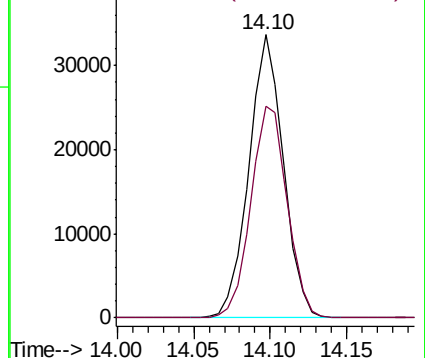
117 100

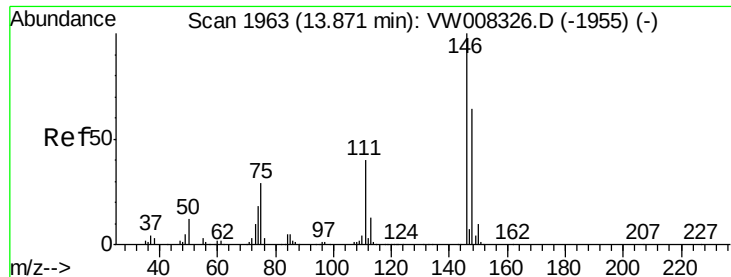
201 78.6 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

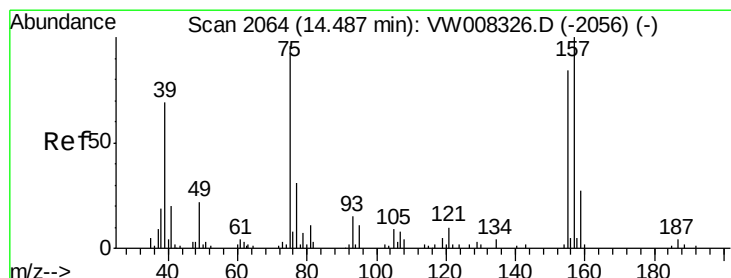
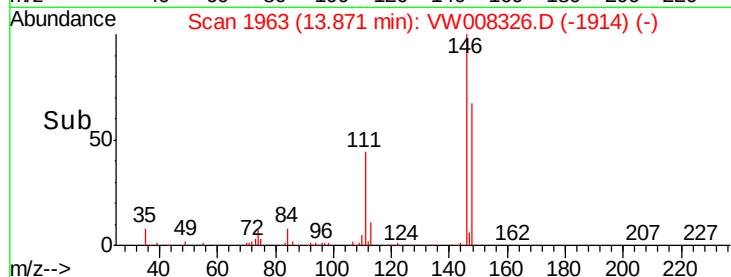
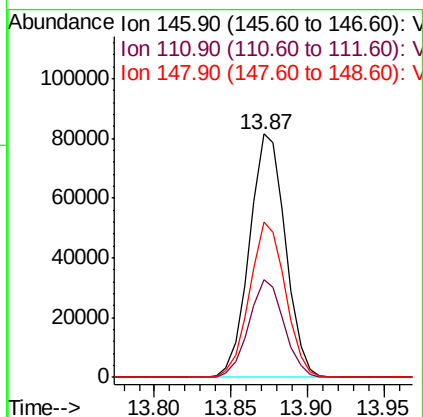
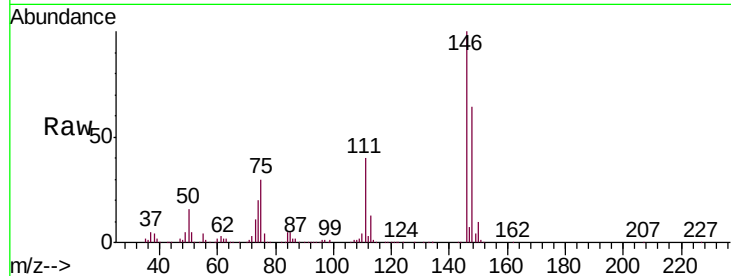




#91
 1,2-Dichlorobenzene
 Concen: 51.789 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

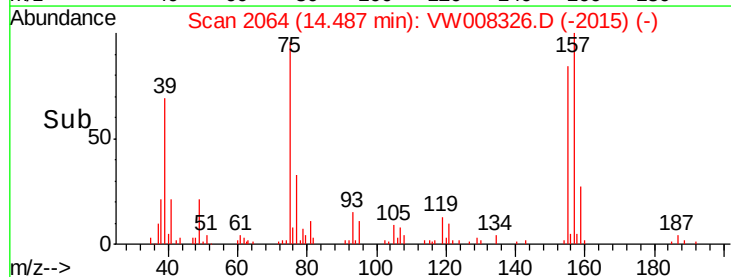
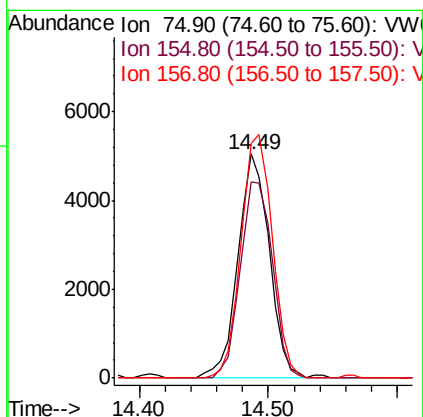
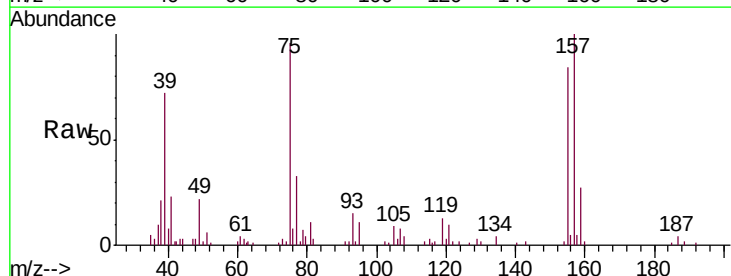
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

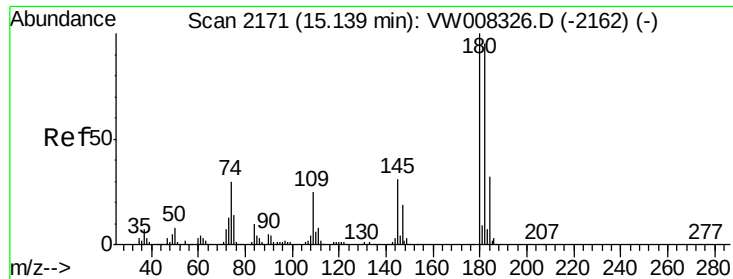
Tgt Ion:146 Resp: 133326
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 63.4 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.098 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008326.D
 Acq: 17 Jan 2019 14:05

Tgt Ion: 75 Resp: 8513
 Ion Ratio Lower Upper
 75 100
 155 89.4 44.7 134.1
 157 107.9 53.9 161.8

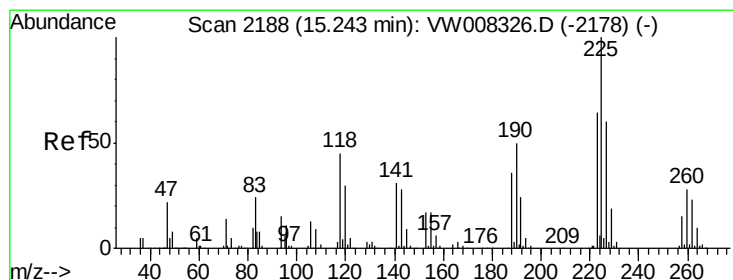
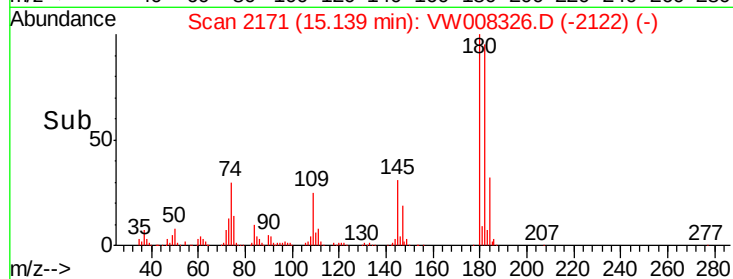
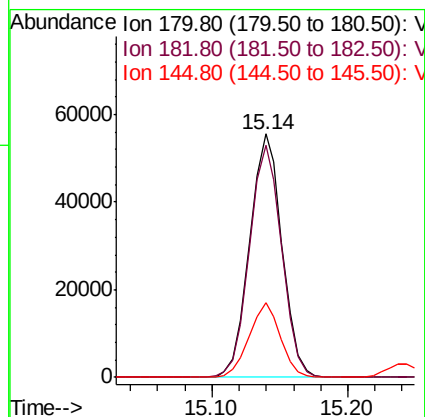
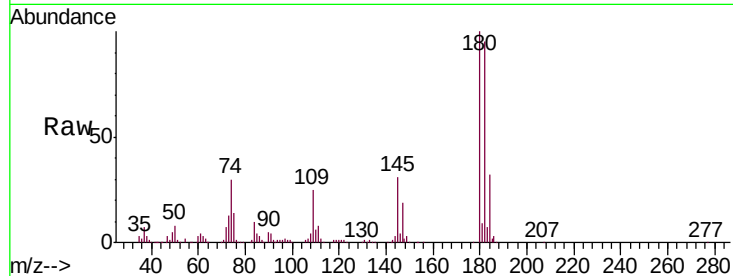




#93
1,2,4-Trichlorobenzene
Concen: 53.010 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

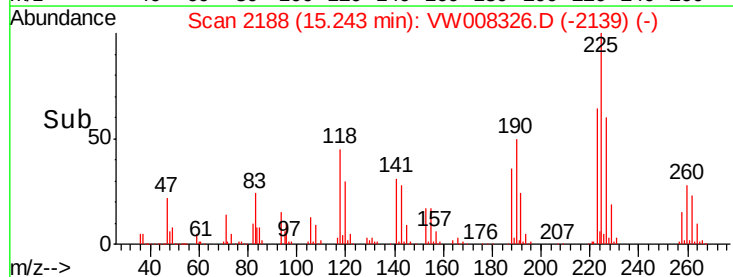
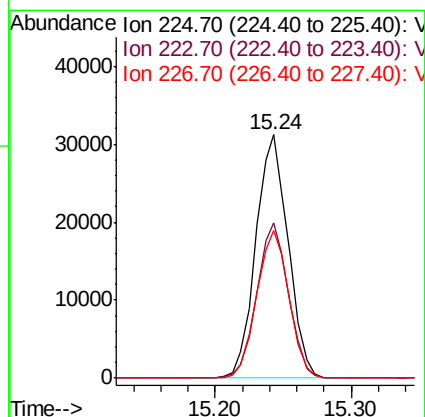
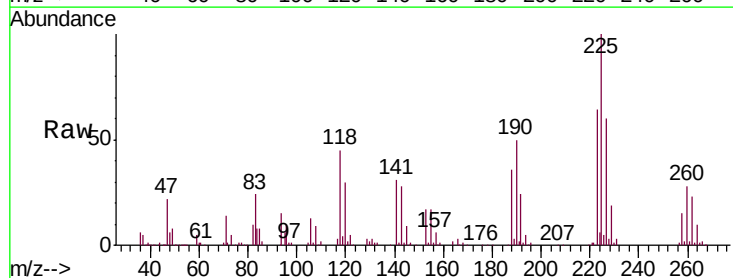
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

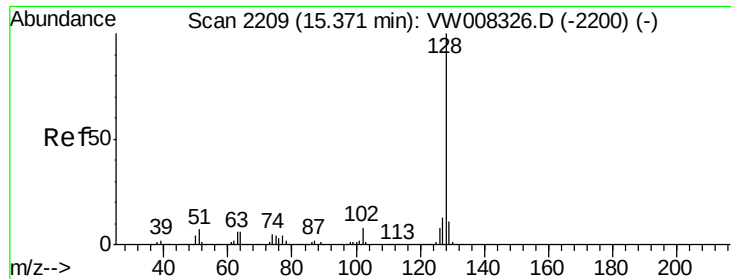
Tgt Ion:180 Resp: 92382
Ion Ratio Lower Upper
180 100
182 95.2 47.6 142.8
145 29.6 14.8 44.4



#94
Hexachlorobutadiene
Concen: 52.973 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion:225 Resp: 52028
Ion Ratio Lower Upper
225 100
223 62.2 31.1 93.3
227 60.5 30.3 90.8

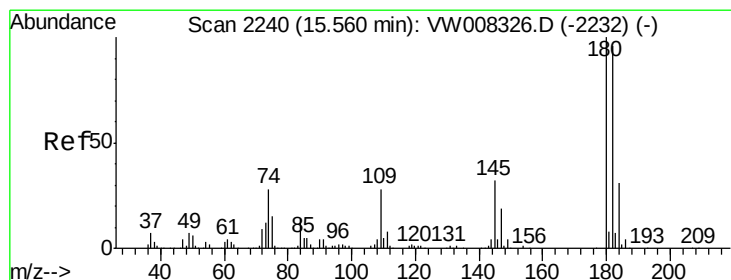
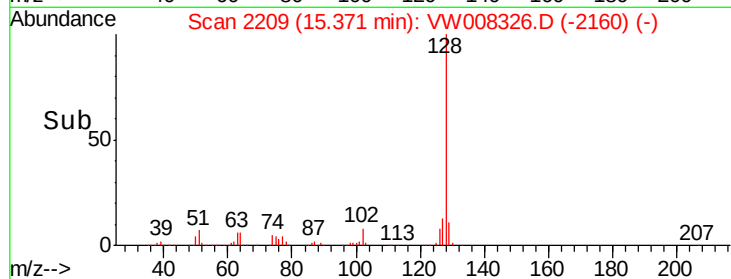
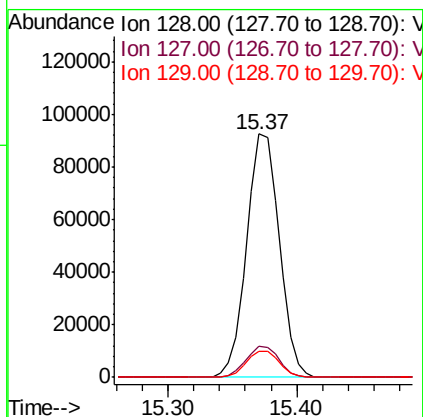
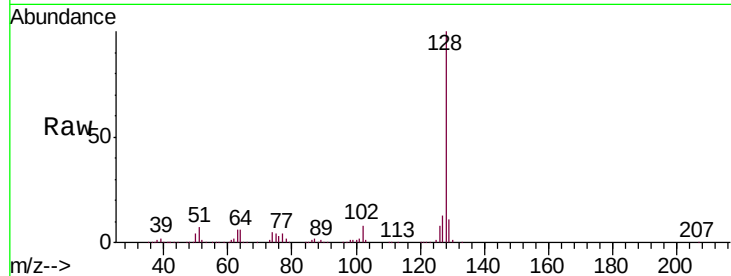




#95
Naphthalene
Concen: 55.626 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 161988
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.207 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008326.D
Acq: 17 Jan 2019 14:05

Tgt Ion:180 Resp: 79247
Ion Ratio Lower Upper
180 100
182 94.6 47.3 141.9
145 32.4 16.2 48.6

