

Data File : VW008639.D
Acq On : 13 Feb 2019 14:45
Operator : SY/VA
Sample : VSTDIC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Quant Time: Feb 14 03:46:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	437331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	653788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	588131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	302728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	40479	8.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.80%	
35) Dibromofluoromethane	7.88	113	38248	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	
50) Toluene-d8	10.32	98	143899	9.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.40%	
62) 4-Bromofluorobenzene	12.62	95	53804	9.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	28453	10.158	ug/l	90
3) Chloromethane	2.21	50	38176	9.454	ug/l	97
4) Vinyl Chloride	2.36	62	52704	9.936	ug/l	96
5) Bromomethane	2.78	94	40097	9.553	ug/l	97
6) Chloroethane	2.92	64	39090	9.904	ug/l	98
7) Trichlorofluoromethane	3.26	101	38389	9.293	ug/l	90
8) Diethyl Ether	3.67	74	24888	10.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44026	10.084	ug/l	97
10) Methyl Iodide	4.26	142	68825	10.101	ug/l	99
11) Tert butyl alcohol	5.17	59	18015	50.475	ug/l #	72
12) 1,1-Dichloroethene	4.03	96	43083	10.091	ug/l	95
13) Acrolein	3.89	56	19116	51.004	ug/l	91
14) Allyl chloride	4.66	41	71053	10.017	ug/l	99
15) Acrylonitrile	5.36	53	50575	48.740	ug/l	97
16) Acetone	4.12	43	50850	49.318	ug/l	95
17) Carbon Disulfide	4.37	76	130374	10.119	ug/l	99
18) Methyl Acetate	4.67	43	22491	9.513	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	74759	9.975	ug/l	99
20) Methylene Chloride	4.90	84	72487	12.243	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	47103	10.074	ug/l	91
22) Diisopropyl ether	6.31	45	139705	9.785	ug/l	97
23) Vinyl Acetate	6.25	43	434419	46.883	ug/l	97
24) 1,1-Dichloroethane	6.21	63	82338	9.995	ug/l	96
25) 2-Butanone	7.17	43	68284	46.740	ug/l	93
26) 2,2-Dichloropropane	7.16	77	53585	10.412	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51845	10.254	ug/l	98
28) Bromochloromethane	7.51	49	31907	9.175	ug/l	96
29) Tetrahydrofuran	7.53	42	45176	46.915	ug/l	98
30) Chloroform	7.67	83	82942	10.048	ug/l	93
31) Cyclohexane	7.95	56	87420	10.513	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	69435	9.960	ug/l	98
36) 1,1-Dichloropropene	8.08	75	67363	10.256	ug/l	100
37) Ethyl Acetate	7.25	43	28918	9.127	ug/l #	94
38) Carbon Tetrachloride	8.06	117	66879	10.239	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	86343	10.393	ug/l	97
40) Benzene	8.32	78	183879	10.250	ug/l	99
41) Methacrylonitrile	7.48	41	17878	10.028	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	56352	10.127	ug/l	97
43) Isopropyl Acetate	8.42	43	58885	9.320	ug/l	95
44) Trichloroethene	9.09	130	51103	10.274	ug/l	95
45) 1,2-Dichloropropane	9.37	63	45534	10.256	ug/l	94
46) Dibromomethane	9.46	93	24795	10.139	ug/l	99
47) Bromodichloromethane	9.64	83	57262	9.743	ug/l	97
48) Methyl methacrylate	9.44	41	26576	9.076	ug/l	92
49) 1,4-Dioxane	9.45	88	7702	197.296	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	154889	47.724	ug/l	99
52) Toluene	10.38	92	114873	9.926	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	59147	9.579	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	67735	9.677	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	33459	9.971	ug/l	96
56) Ethyl methacrylate	10.65	69	41381	9.287	ug/l	98
57) 1,3-Dichloropropane	10.93	76	59864	10.055	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.92	63	87598	40.981	ug/l	100
59) 2-Hexanone	10.97	43	105977	46.482	ug/l	98
60) Dibromochloromethane	11.13	129	38417	9.568	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32168	9.736	ug/l	96
64) Tetrachloroethene	10.86	164	46242	10.573	ug/l	96
65) Chlorobenzene	11.66	112	128842	10.164	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45078	10.038	ug/l	99
67) Ethyl Benzene	11.73	91	224225	9.930	ug/l	98
68) m/p-Xylenes	11.84	106	176567	20.097	ug/l	97
69) o-Xylene	12.16	106	82348	9.916	ug/l	99
70) Styrene	12.18	104	127441	9.395	ug/l	99
71) Bromoform	12.35	173	22185	9.169	ug/l #	96
73) Isopropylbenzene	12.46	105	228649	10.140	ug/l	97
74) N-amyl acetate	12.27	43	56897	9.331	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	38010	9.688	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	50884	14.083	ug/l #	100
77) Bromobenzene	12.75	156	53066	10.238	ug/l	96
78) n-propylbenzene	12.80	91	274578	10.248	ug/l	100
79) 2-Chlorotoluene	12.90	91	154063	10.174	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	190870	10.191	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	11268	9.214	ug/l	96
82) 4-Chlorotoluene	12.99	91	159321	9.928	ug/l	97
83) tert-Butylbenzene	13.21	119	168122	10.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	194689	10.113	ug/l	99
85) sec-Butylbenzene	13.38	105	240117	10.140	ug/l	100
86) p-Isopropyltoluene	13.50	119	209890	9.908	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	107340	10.215	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	107354	10.366	ug/l	98
89) n-Butylbenzene	13.83	91	200774	9.973	ug/l	99
90) Hexachloroethane	14.10	117	36635	9.898	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	95479	10.256	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6614	9.701	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW021319\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:43:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	69900	10.548	ug/l	99
94) Hexachlorobutadiene	15.24	225	40056	10.384	ug/l	97
95) Naphthalene	15.37	128	119530	10.065	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	58605	10.305	ug/l	99

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

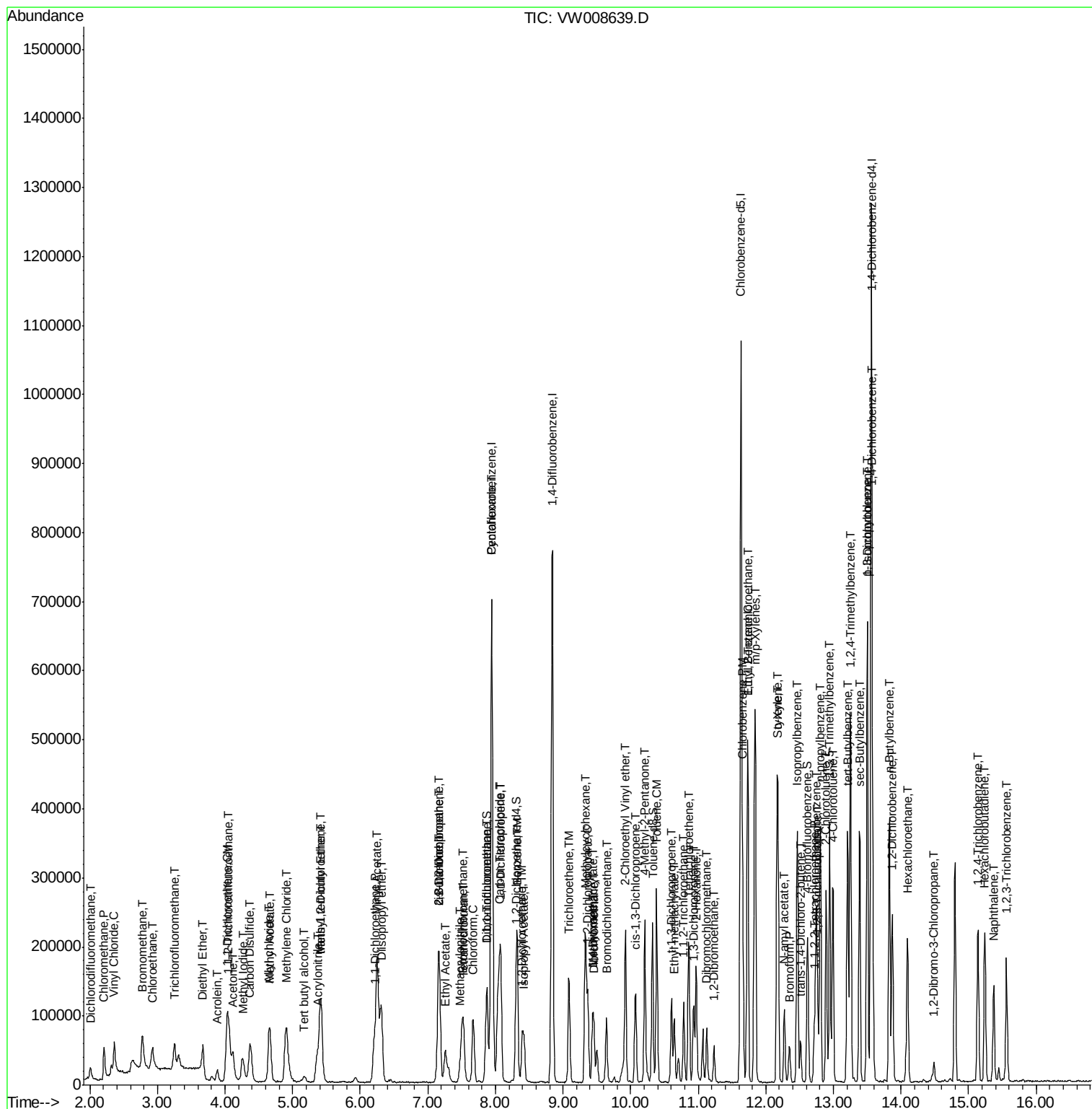
Quant Time: Feb 14 03:46:32 2019

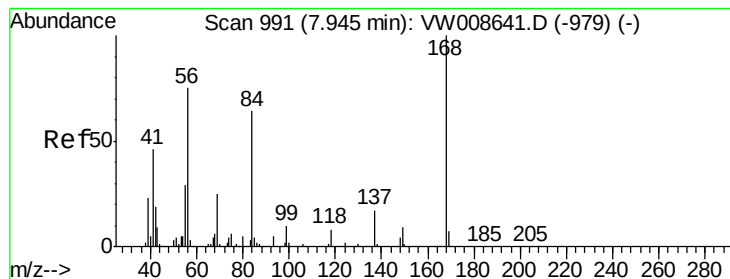
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W021319S.M

Quant Title : SW846 8260

QLast Update : Thu Feb 14 03:43:11 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

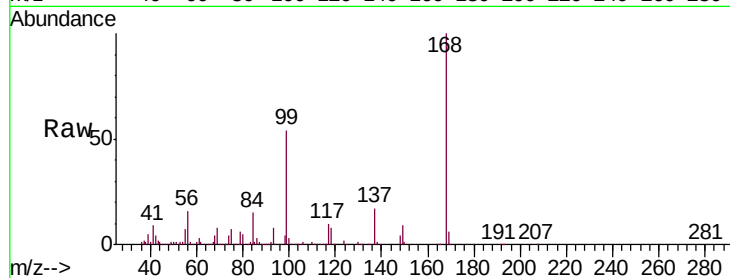
VSTDIC010

Tgt Ion:168 Resp: 437331

Ion Ratio Lower Upper

168 100

99 53.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

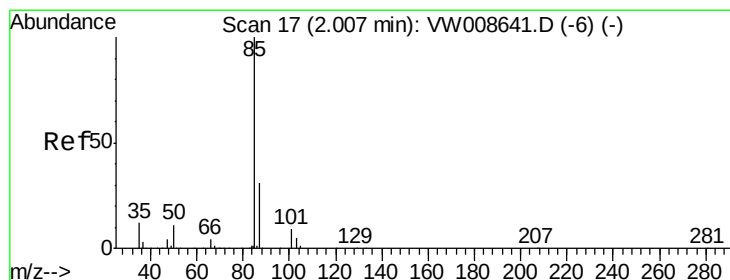
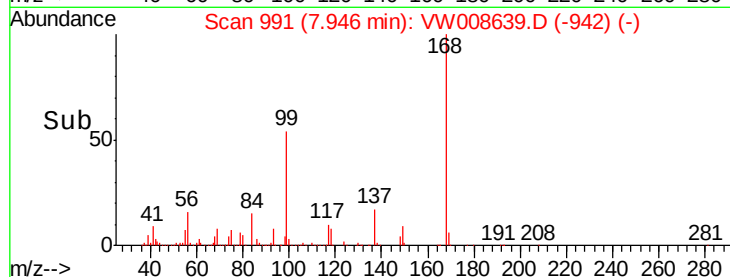
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.158 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008639.D

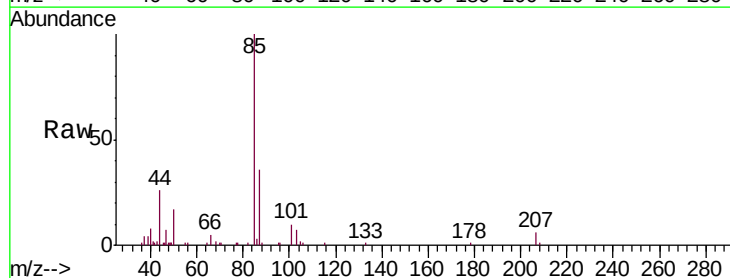
Acq: 13 Feb 2019 14:45

Tgt Ion: 85 Resp: 28453

Ion Ratio Lower Upper

85 100

87 36.2 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

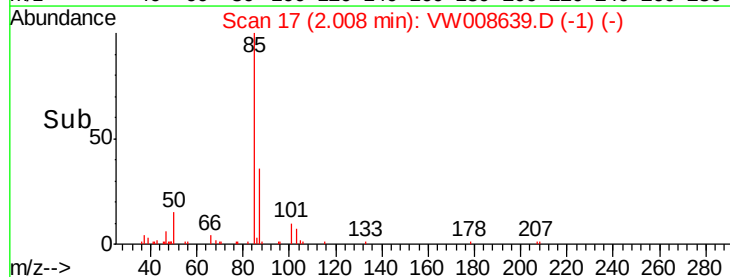
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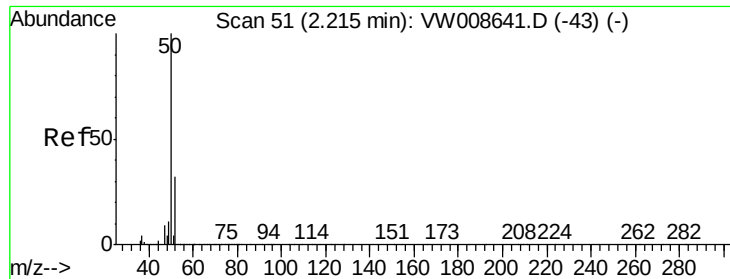
4000

2000

0

Time-->





#3

Chloromethane

Concen: 9.454 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

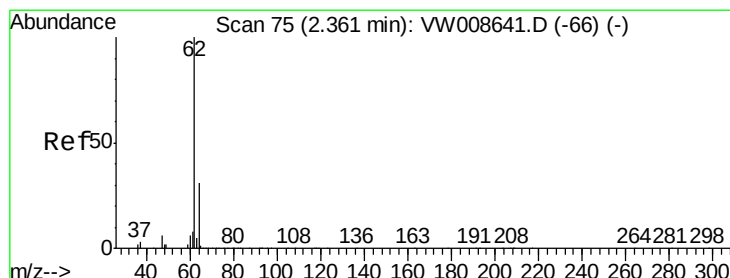
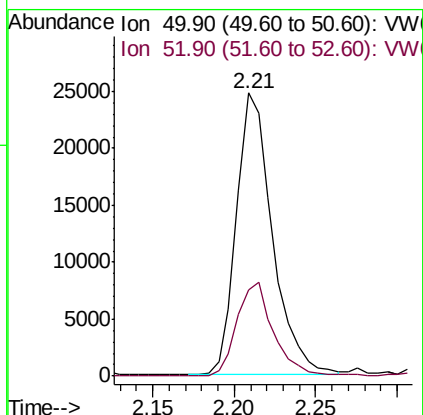
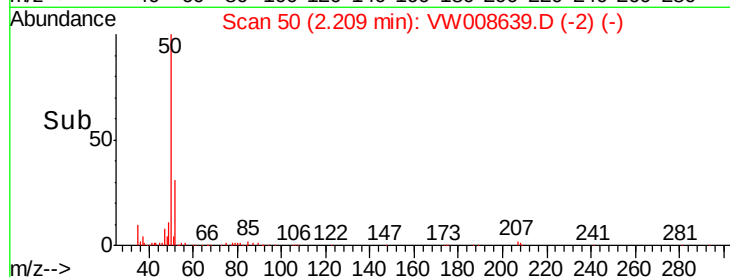
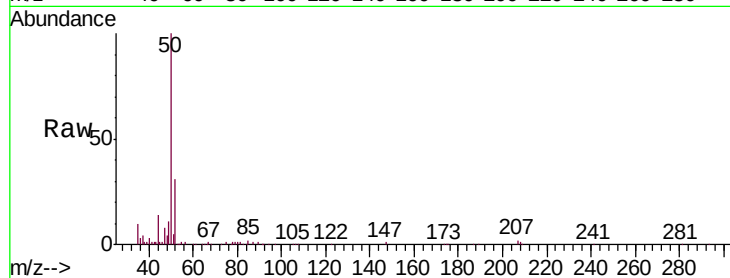
VSTDIC010

Tgt Ion: 50 Resp: 38176

Ion Ratio Lower Upper

50 100

52 30.8 26.0 39.0



#4

Vinyl Chloride

Concen: 9.936 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW008639.D

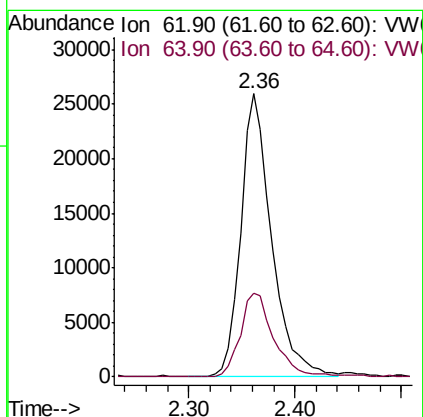
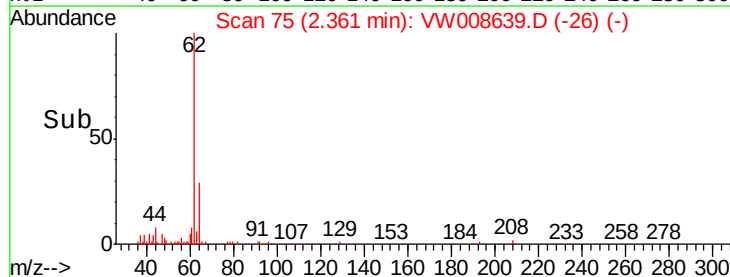
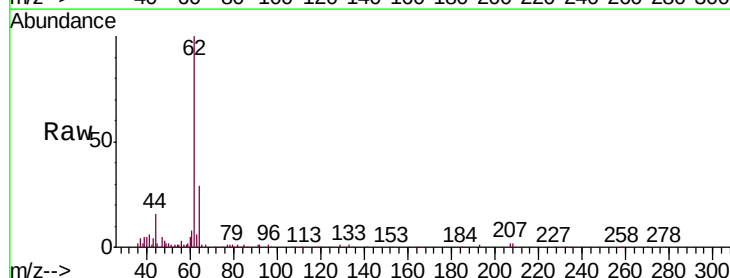
Acq: 13 Feb 2019 14:45

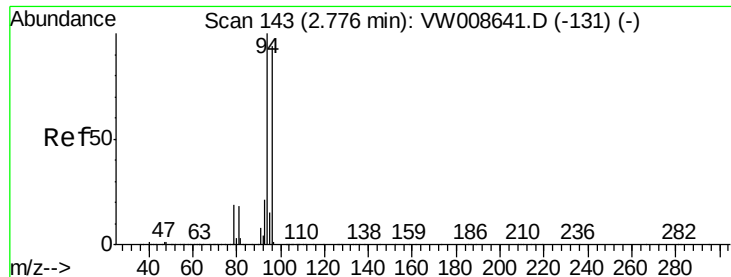
Tgt Ion: 62 Resp: 52704

Ion Ratio Lower Upper

62 100

64 29.4 25.1 37.7





#5

Bromomethane

Concen: 9.553 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

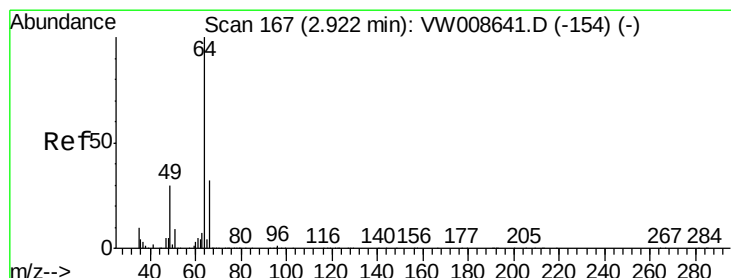
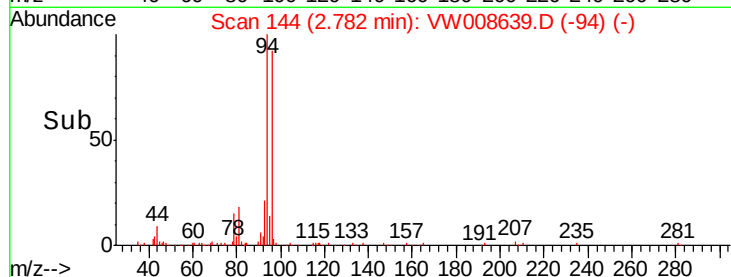
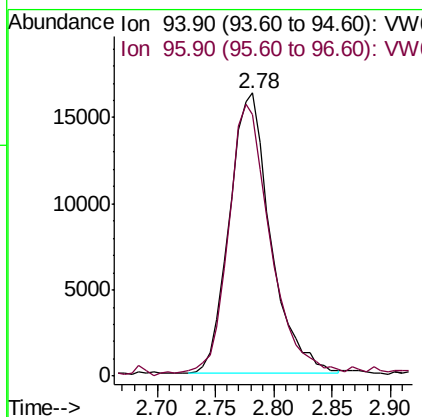
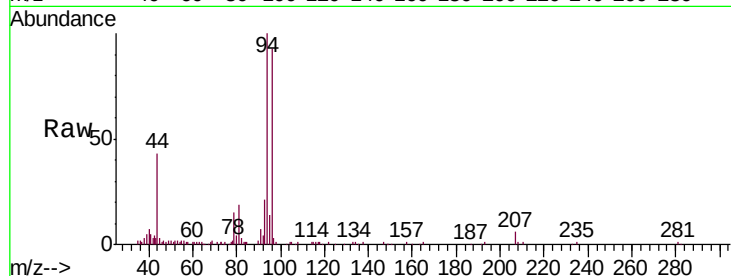
VSTDIC010

Tgt Ion: 94 Resp: 40097

Ion Ratio Lower Upper

94 100

96 91.4 75.5 113.3



#6

Chloroethane

Concen: 9.904 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008639.D

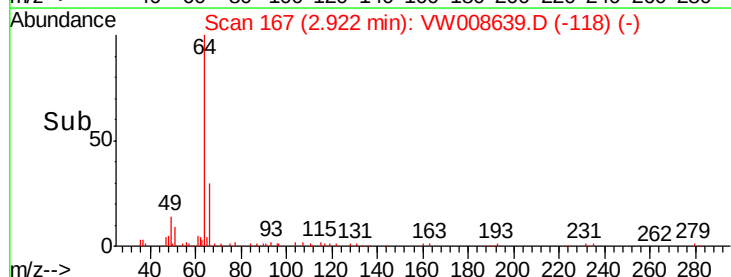
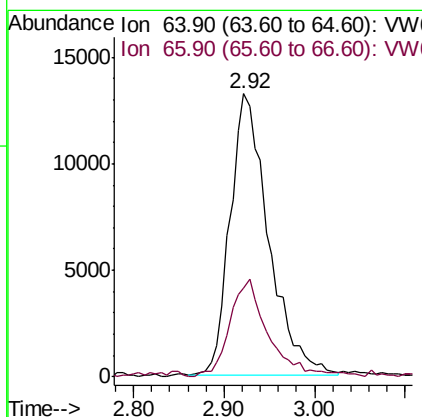
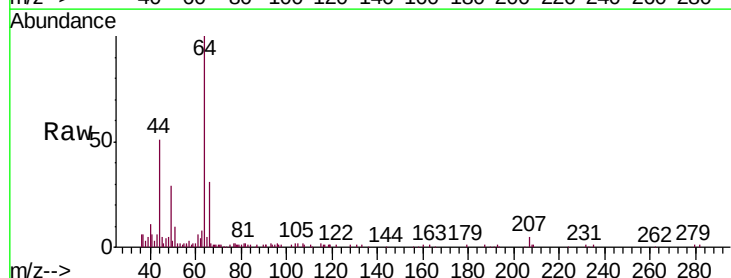
Acq: 13 Feb 2019 14:45

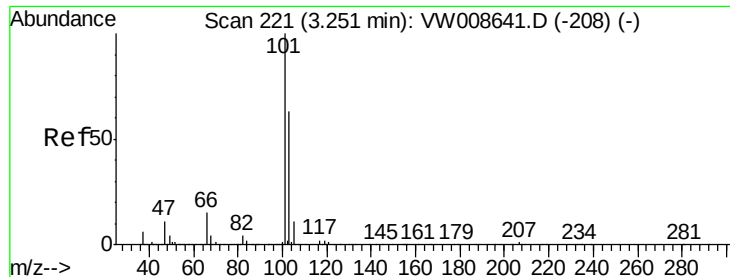
Tgt Ion: 64 Resp: 39090

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4



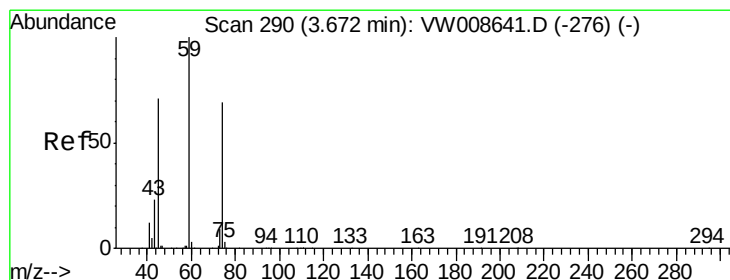
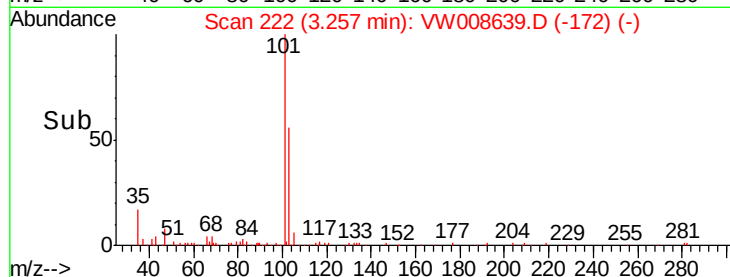
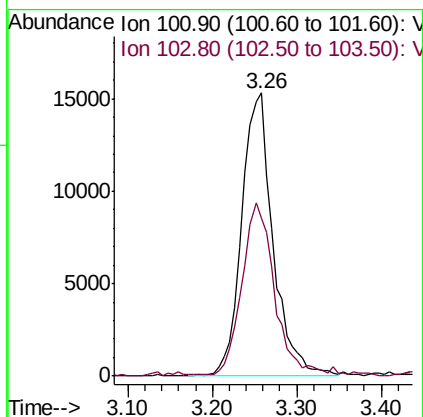
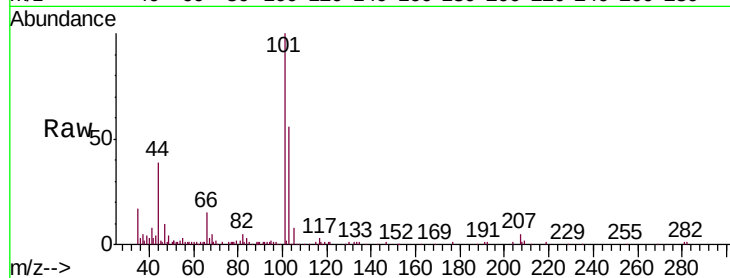


#7

Trichlorofluoromethane
 Concen: 9.293 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
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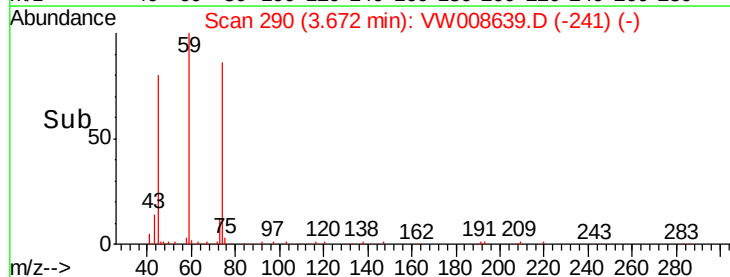
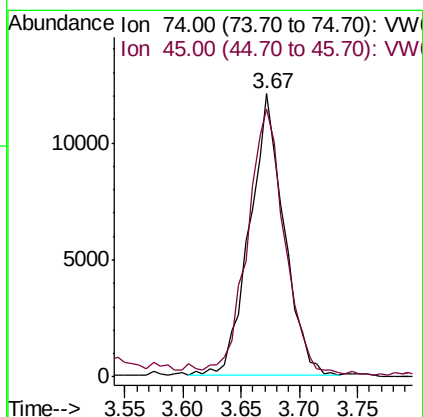
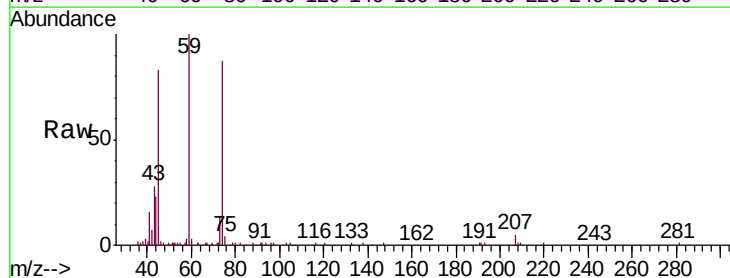
Tgt Ion: 101 Resp: 38389
 Ion Ratio Lower Upper
 101 100
 103 55.2 50.5 75.7

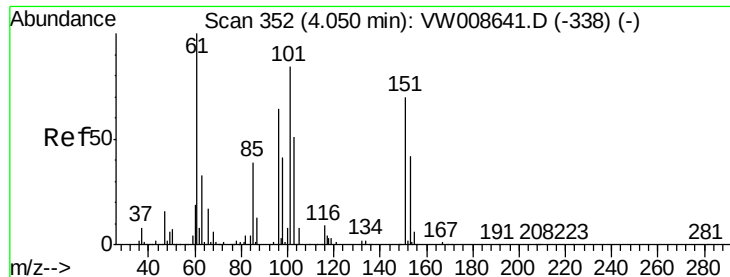


#8

Diethyl Ether
 Concen: 10.095 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 74 Resp: 24888
 Ion Ratio Lower Upper
 74 100
 45 102.9 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.084 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

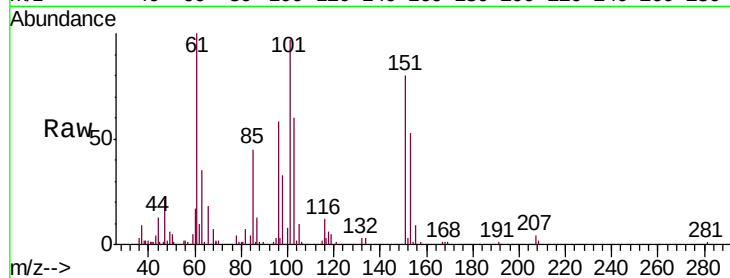
Tgt Ion:101 Resp: 44026

Ion Ratio Lower Upper

101 100

85 46.0 34.3 51.5

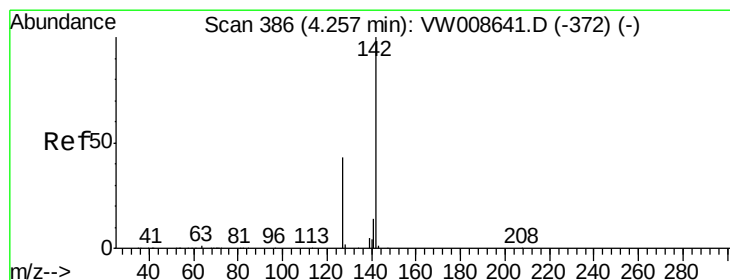
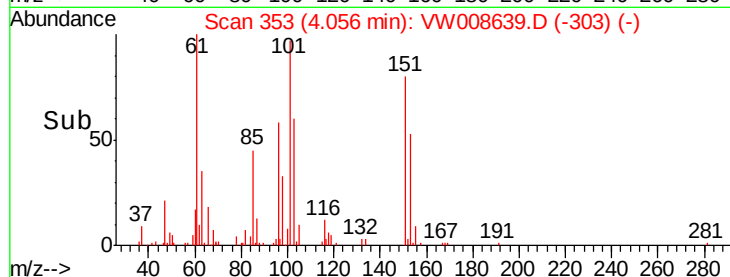
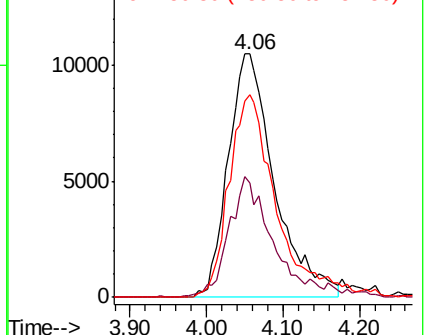
151 84.3 65.6 98.4



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: 10.101 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

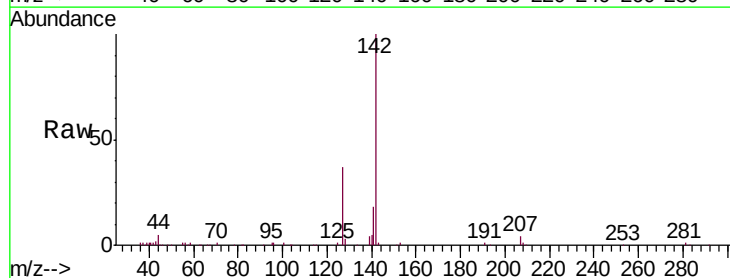
Tgt Ion:142 Resp: 68825

Ion Ratio Lower Upper

142 100

127 43.2 34.8 52.2

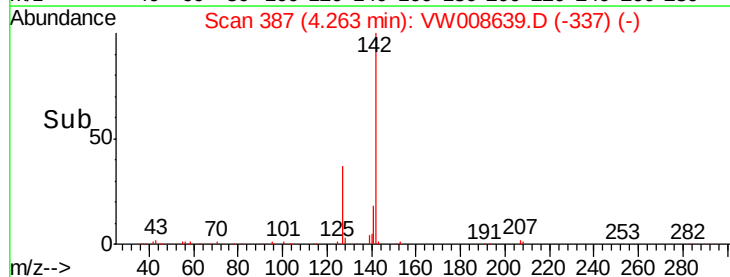
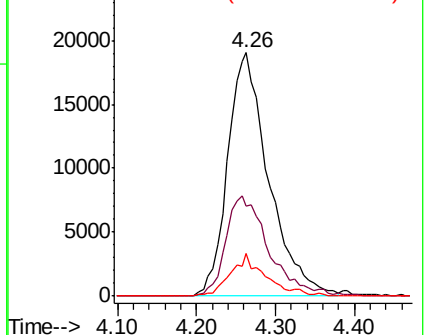
141 13.9 11.8 17.8

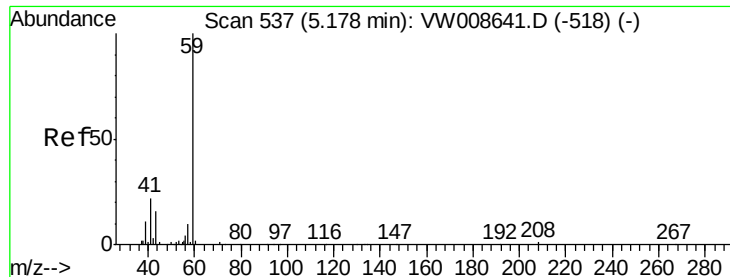


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



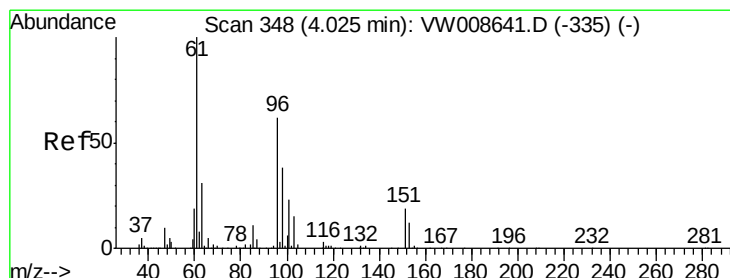
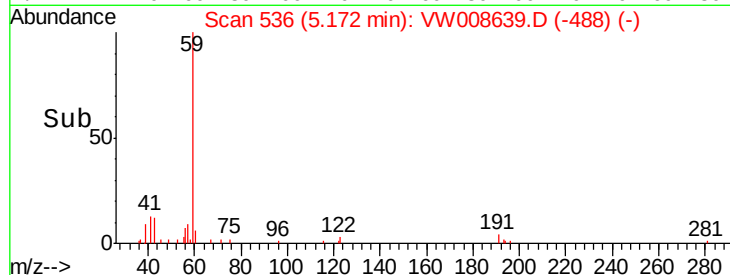
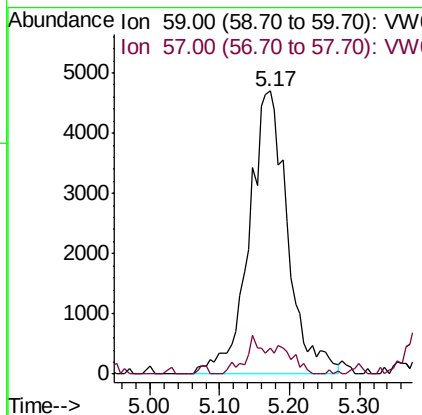
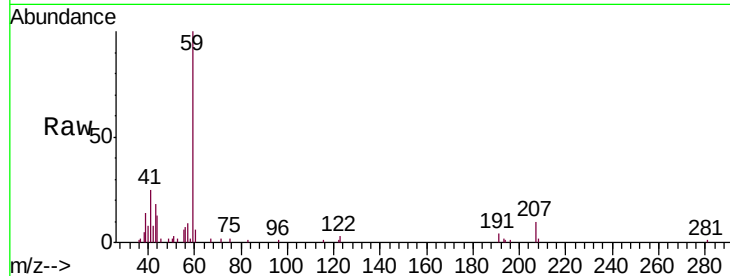


#11

Tert butyl alcohol
Concen: 50.475 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

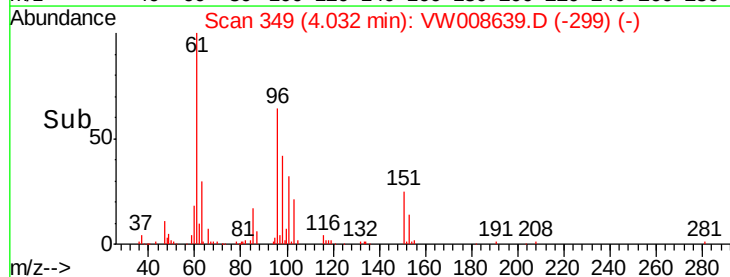
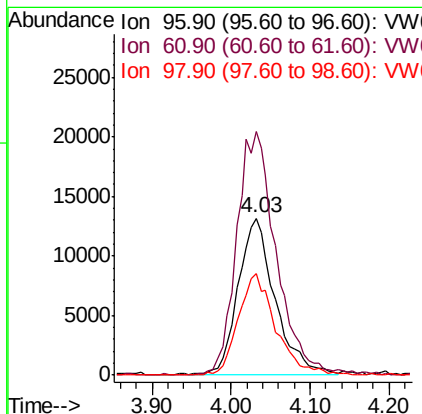
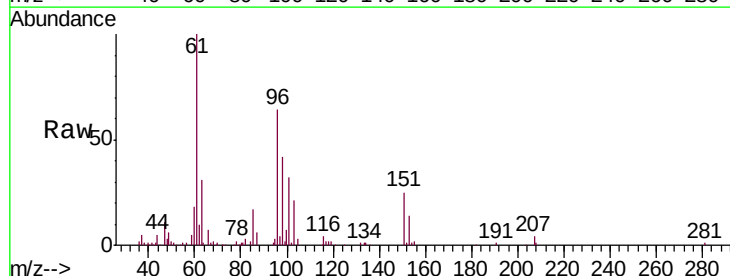
Tgt Ion: 59 Resp: 18015
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

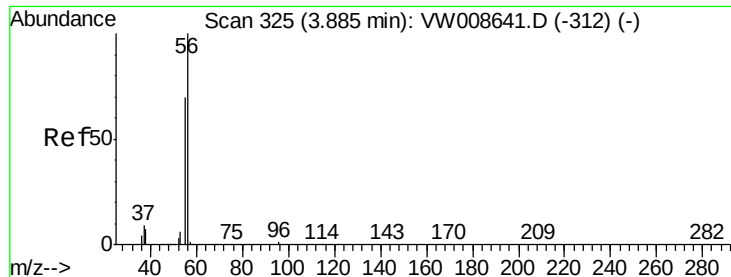


#12

1,1-Dichloroethene
Concen: 10.091 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 96 Resp: 43083
Ion Ratio Lower Upper
96 100
61 155.1 129.8 194.6
98 64.7 49.3 73.9





#13

Acrolein

Concen: 51.004 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

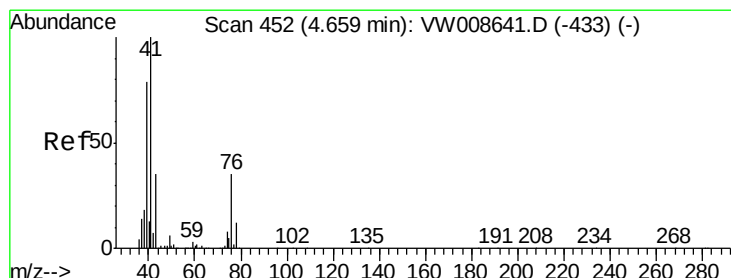
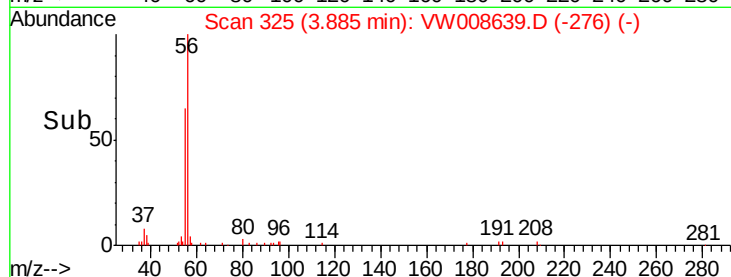
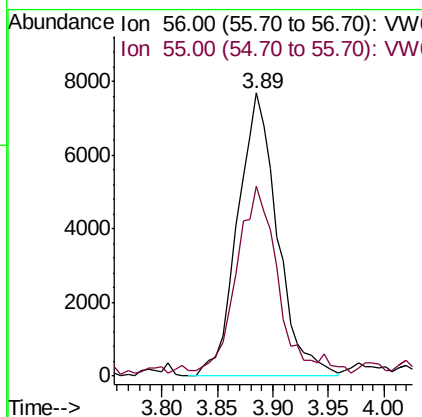
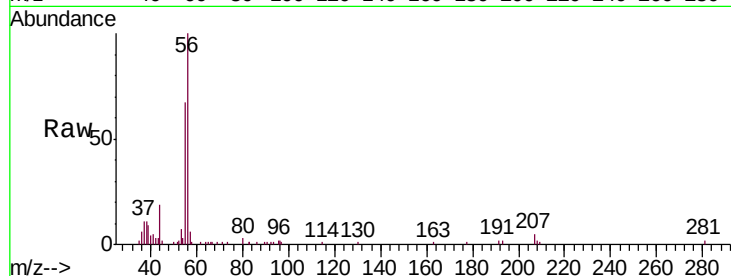
VSTDIC010

Tgt Ion: 56 Resp: 19116

Ion Ratio Lower Upper

56 100

55 64.2 57.4 86.2



#14

Allyl chloride

Concen: 10.017 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

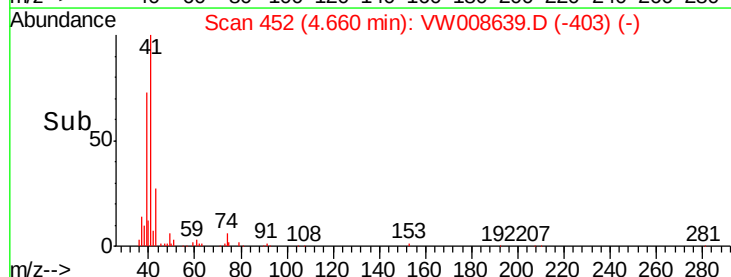
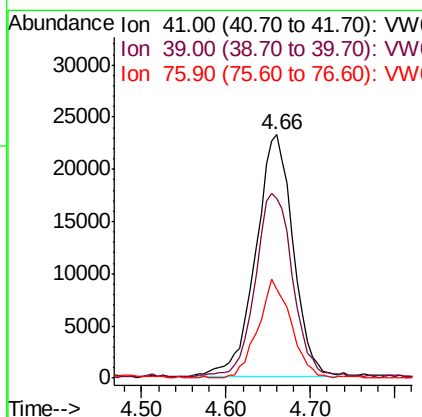
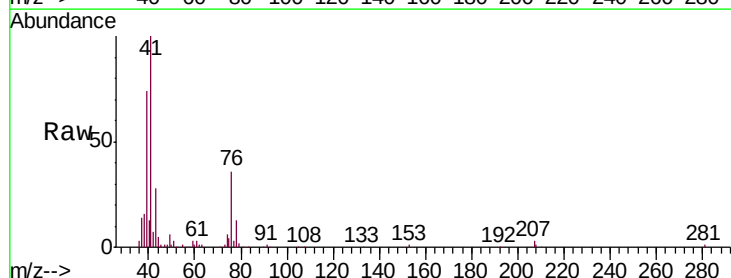
Tgt Ion: 41 Resp: 71053

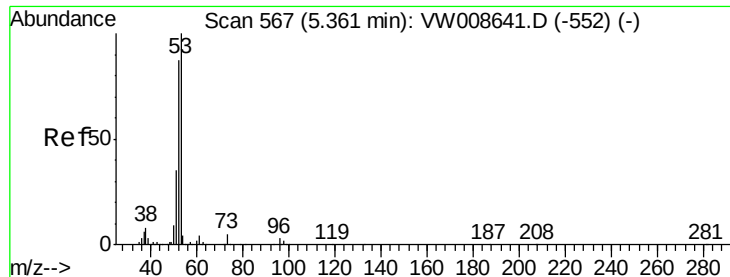
Ion Ratio Lower Upper

41 100

39 77.6 61.7 92.5

76 36.1 27.7 41.5





#15

Acrylonitrile

Concen: 48.740 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

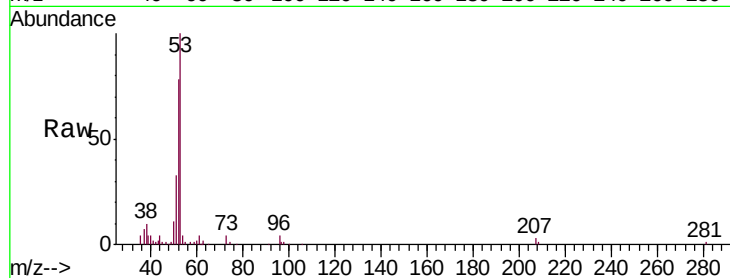
Tgt Ion: 53 Resp: 50575

Ion Ratio Lower Upper

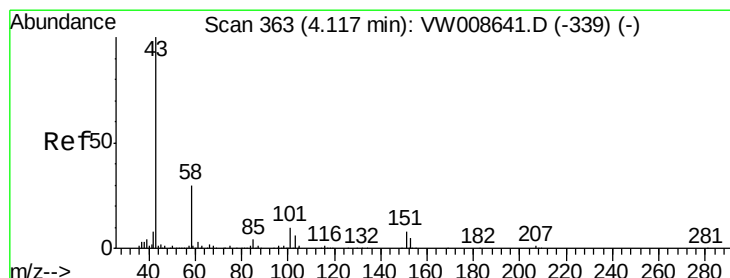
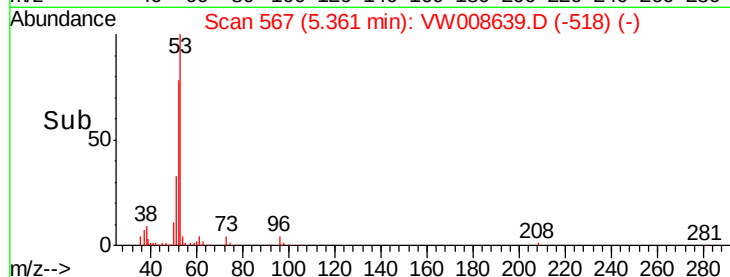
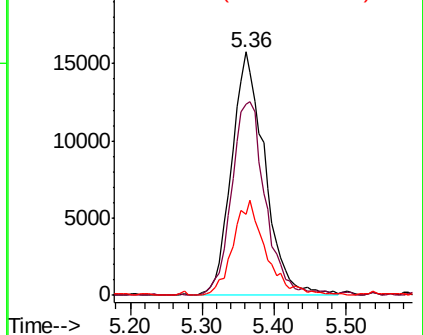
53 100

52 80.5 66.8 100.2

51 38.2 29.4 44.0



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



#16

Acetone

Concen: 49.318 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008639.D

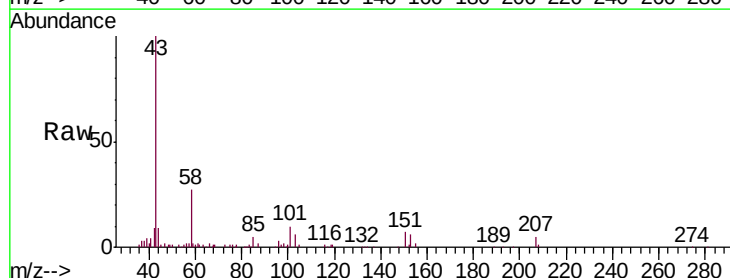
Acq: 13 Feb 2019 14:45

Tgt Ion: 43 Resp: 50850

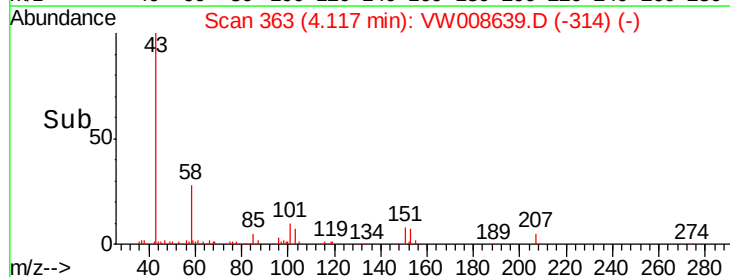
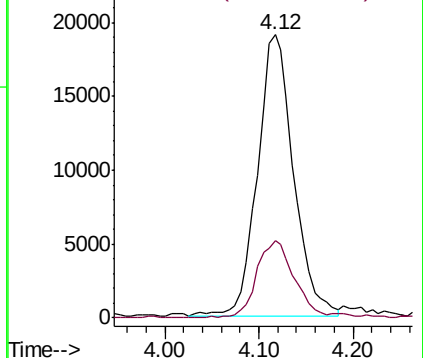
Ion Ratio Lower Upper

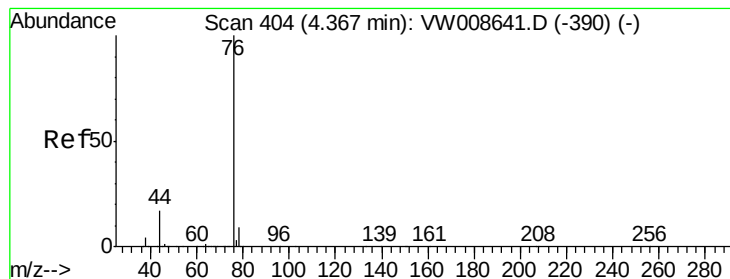
43 100

58 27.4 24.1 36.1



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





#17

Carbon Disulfide

Concen: 10.119 ug/l

RT: 4.37 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

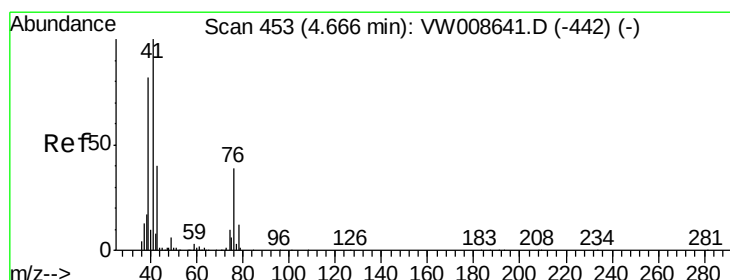
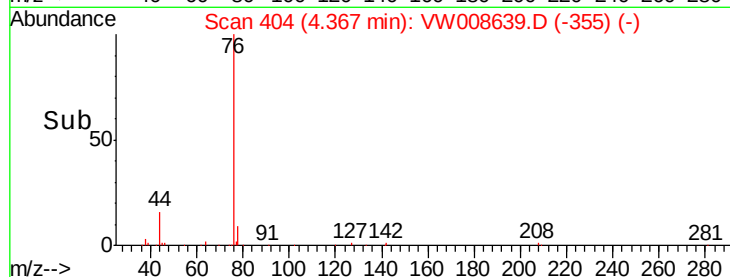
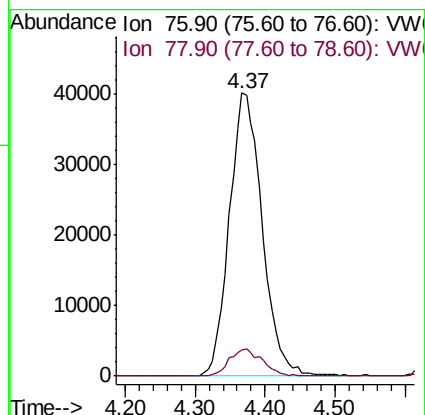
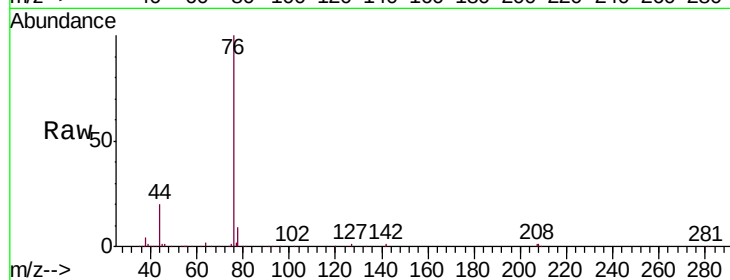
VSTDIC010

Tgt Ion: 76 Resp: 130374

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



#18

Methyl Acetate

Concen: 9.513 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008639.D

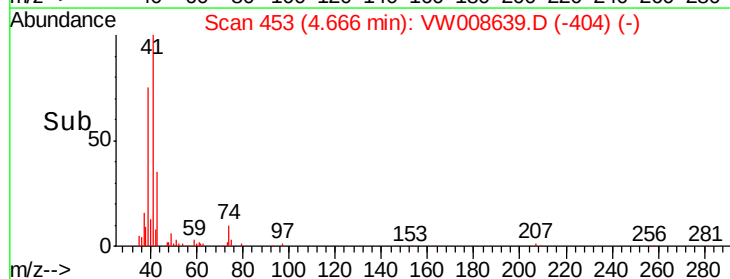
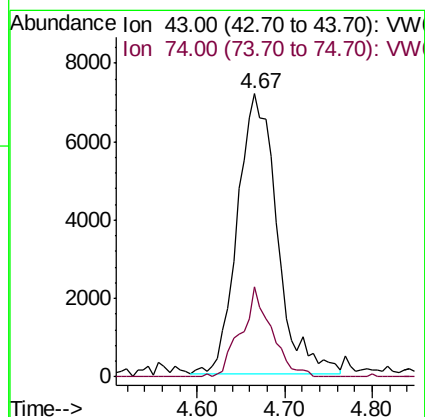
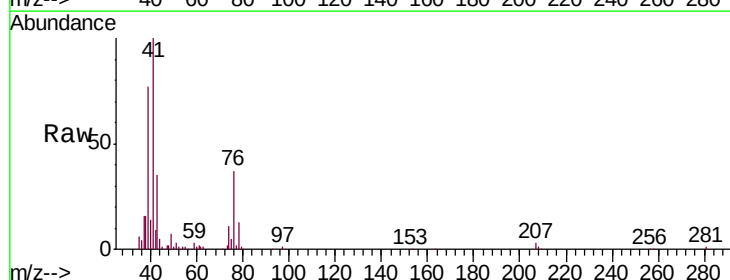
Acq: 13 Feb 2019 14:45

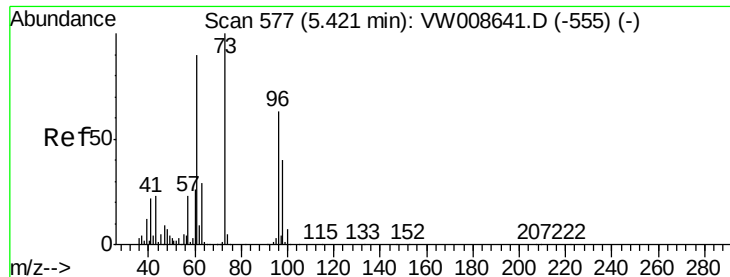
Tgt Ion: 43 Resp: 22491

Ion Ratio Lower Upper

43 100

74 24.7 19.0 28.4



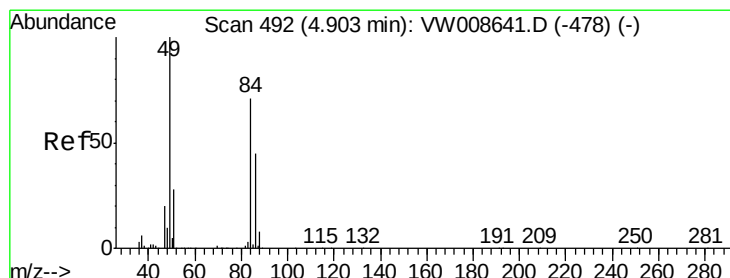
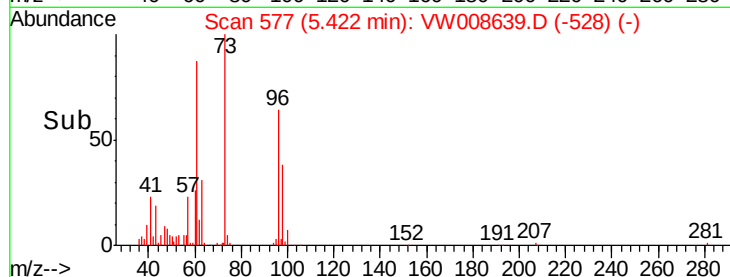
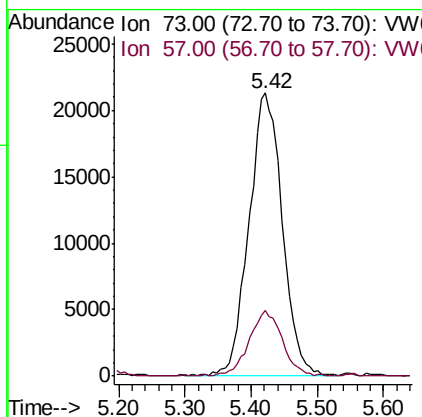
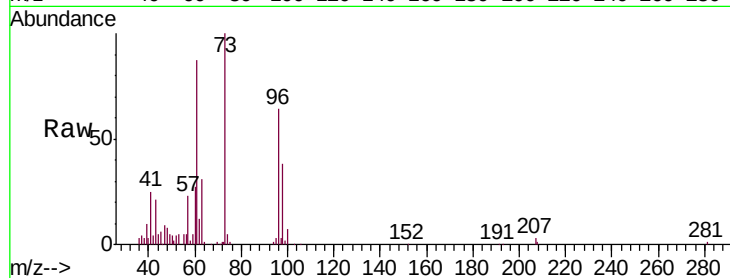


#19

Methyl tert-butyl Ether
 Concen: 9.975 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

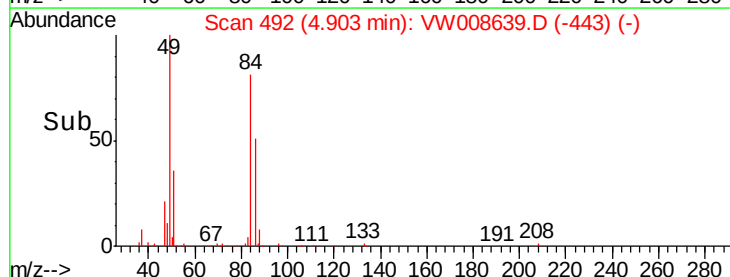
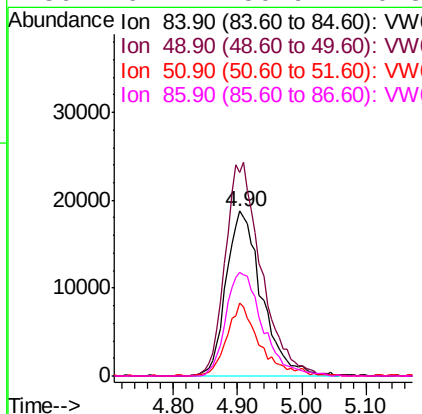
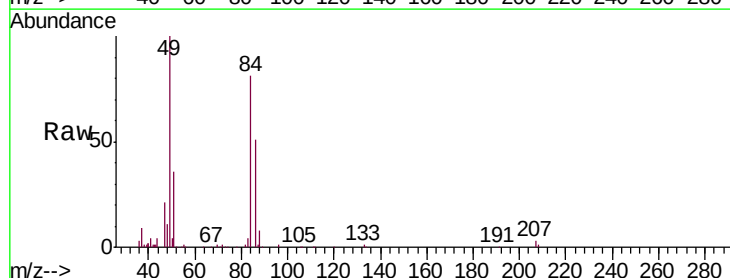
Tgt Ion: 73 Resp: 74759
 Ion Ratio Lower Upper
 73 100
 57 23.1 18.2 27.2

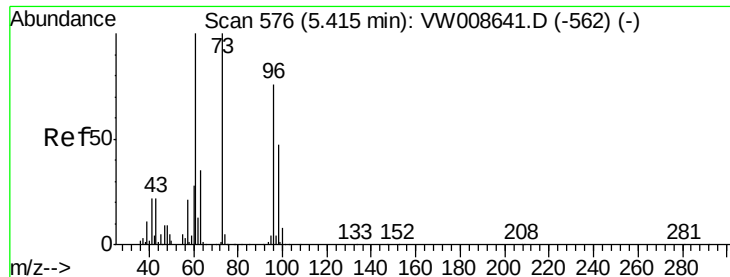


#20

Methylene Chloride
 Concen: 12.243 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 84 Resp: 72487
 Ion Ratio Lower Upper
 84 100
 49 123.4 113.3 169.9
 51 44.3 32.1 48.1
 86 62.7 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 10.074 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

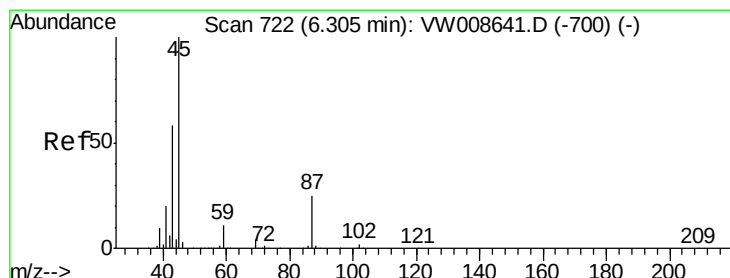
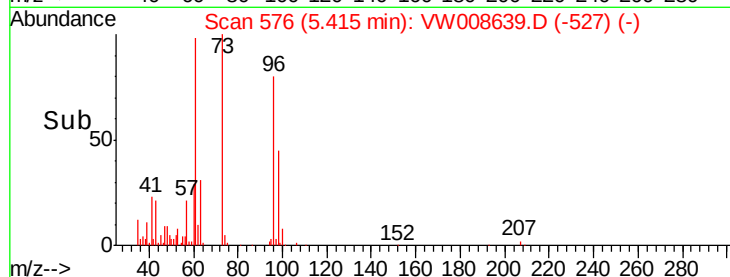
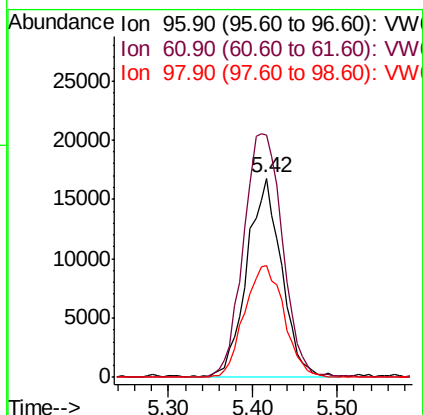
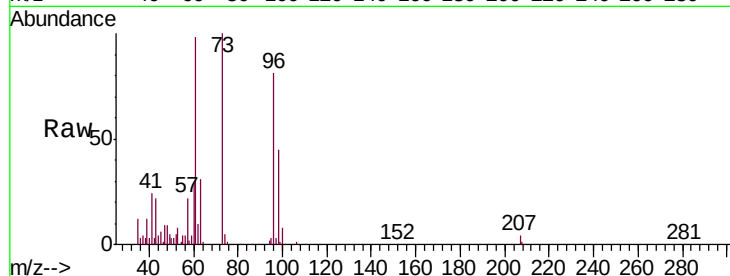
Tgt Ion: 96 Resp: 47103

Ion Ratio Lower Upper

96 100

61 121.9 105.9 158.9

98 55.9 49.8 74.6



#22

Diisopropyl ether

Concen: 9.785 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion: 45 Resp: 139705

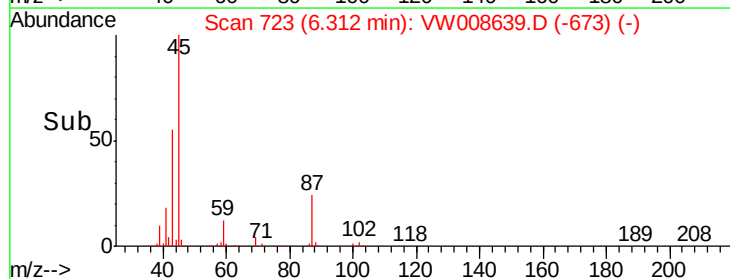
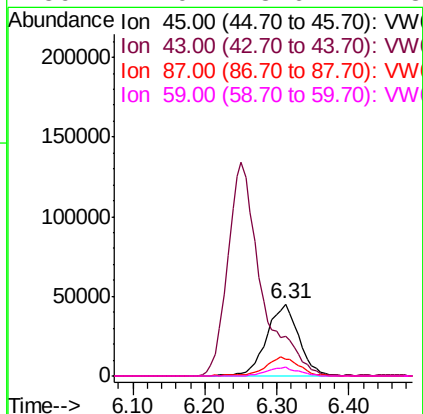
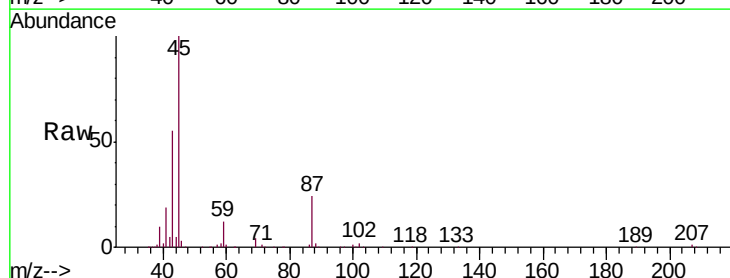
Ion Ratio Lower Upper

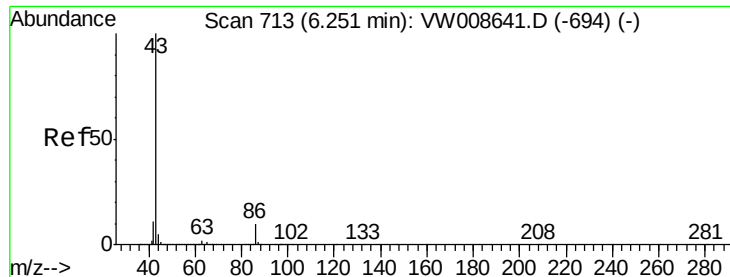
45 100

43 55.2 46.1 69.1

87 23.7 20.5 30.7

59 12.0 8.6 12.8

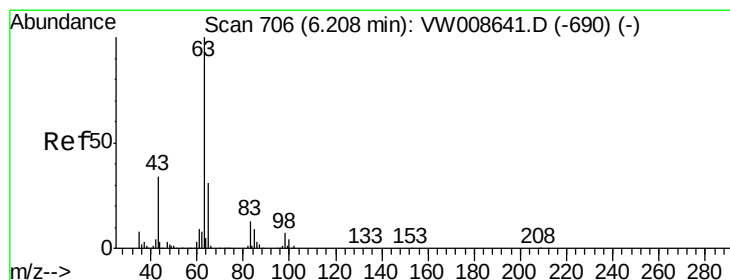
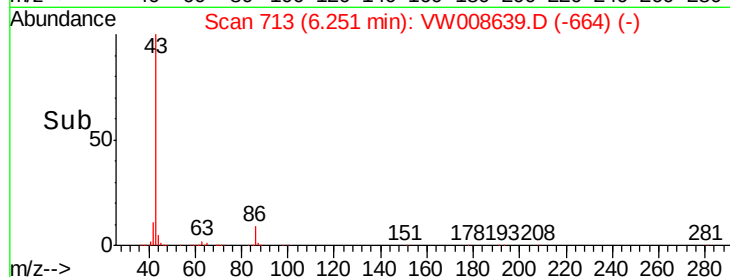
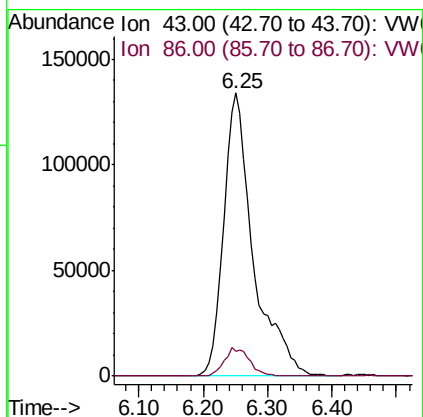
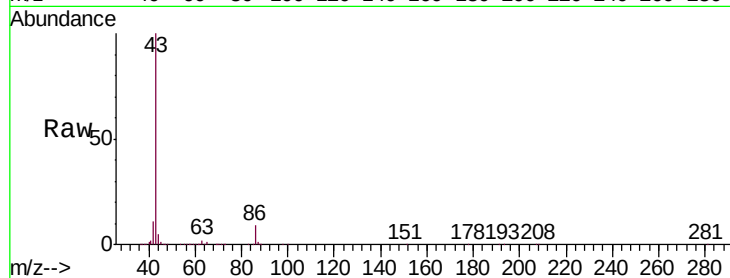




#23
 Vinyl Acetate
 Concen: 46.883 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

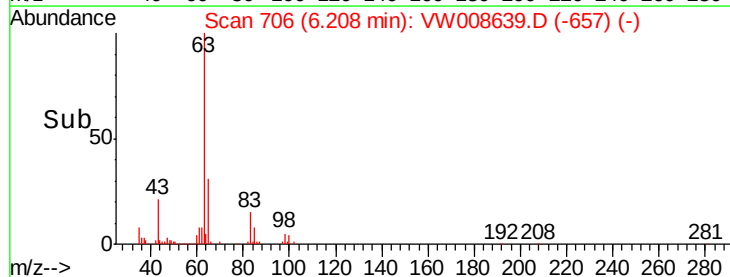
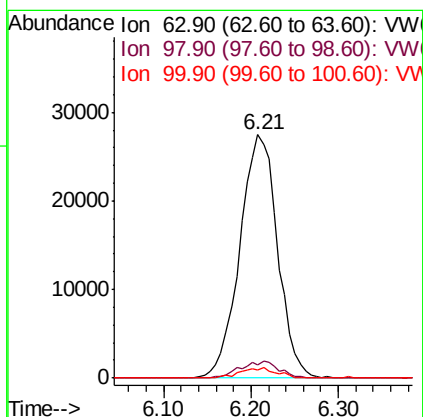
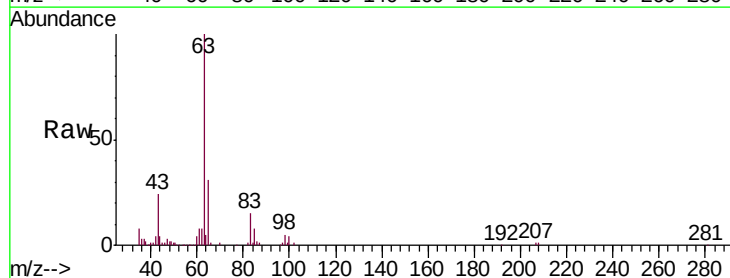
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

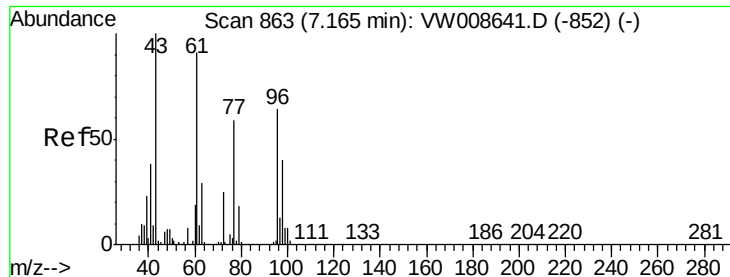
Tgt Ion: 43 Resp: 434419
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 9.995 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 63 Resp: 82338
 Ion Ratio Lower Upper
 63 100
 98 5.3 3.6 10.8
 100 3.6 2.2 6.6





#25

2-Butanone

Concen: 46.740 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

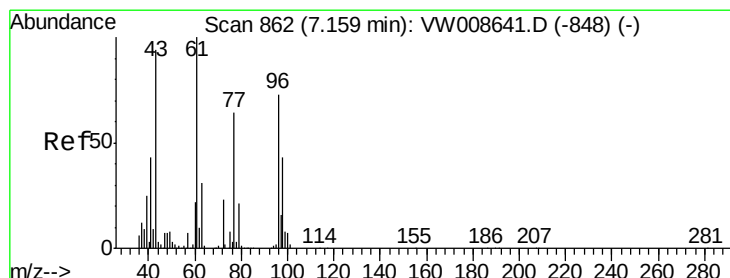
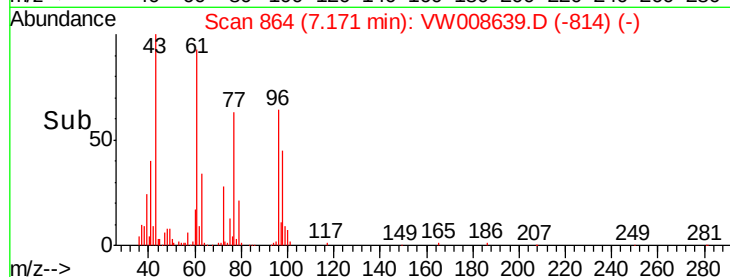
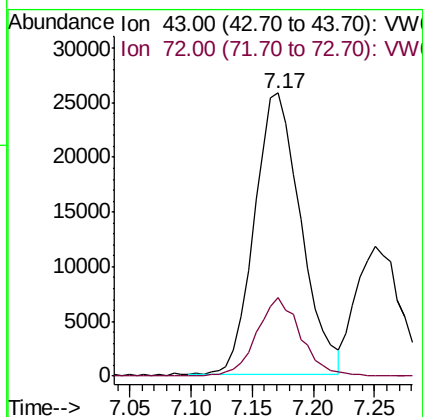
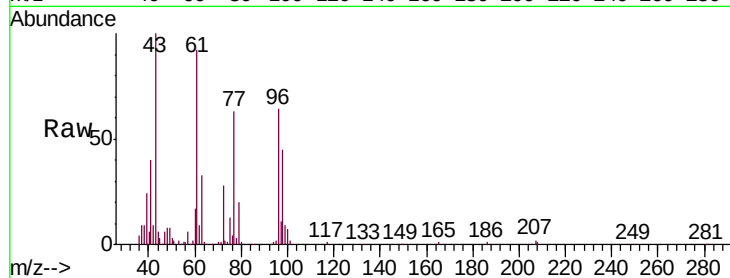
VSTDIC010

Tgt Ion: 43 Resp: 68284

Ion Ratio Lower Upper

43 100

72 27.9 19.7 29.5



#26

2,2-Dichloropropane

Concen: 10.412 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW008639.D

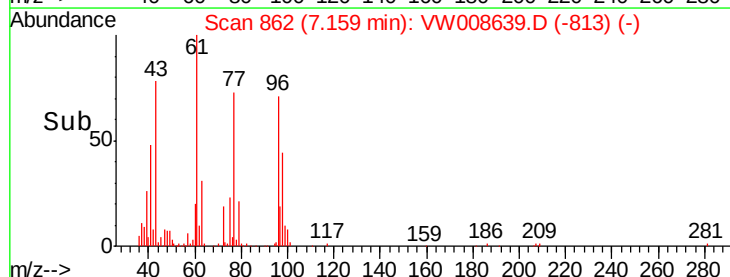
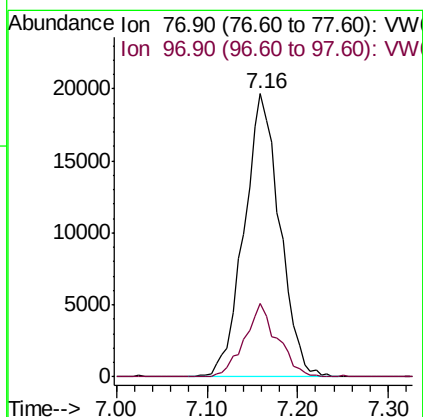
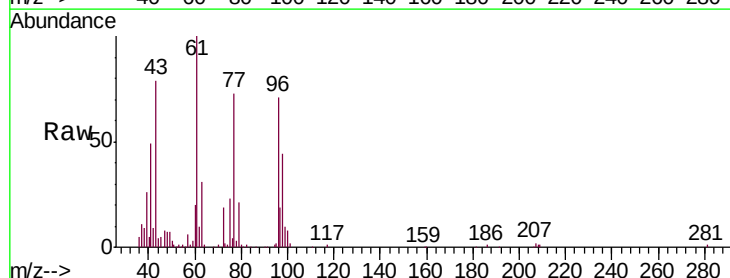
Acq: 13 Feb 2019 14:45

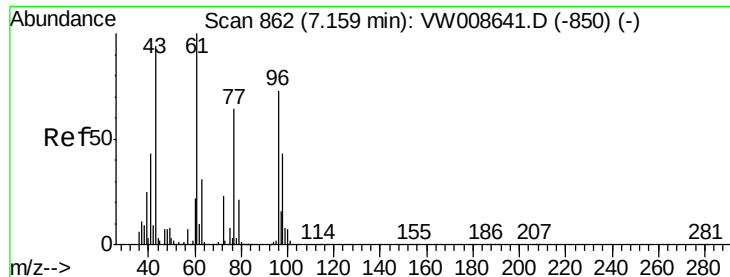
Tgt Ion: 77 Resp: 53585

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



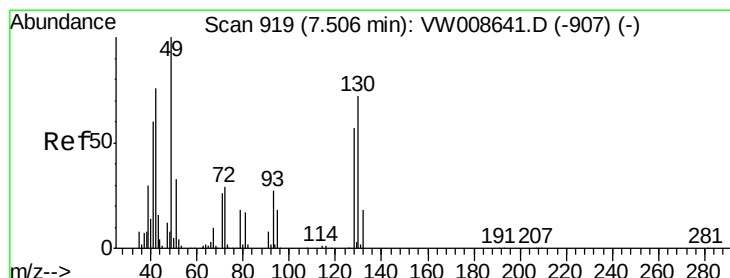
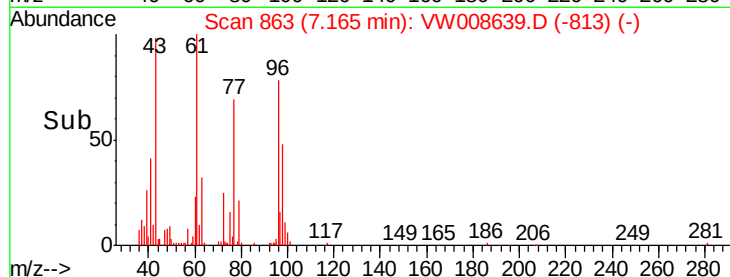
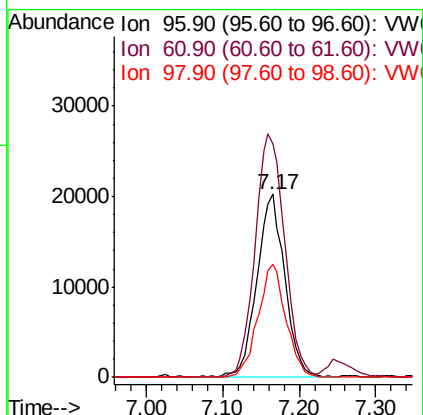
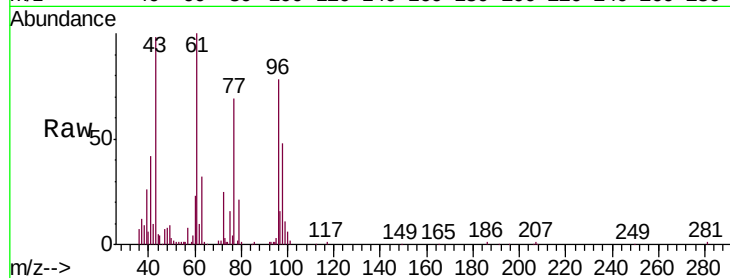


#27

cis-1,2-Dichloroethene
 Concen: 10.254 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

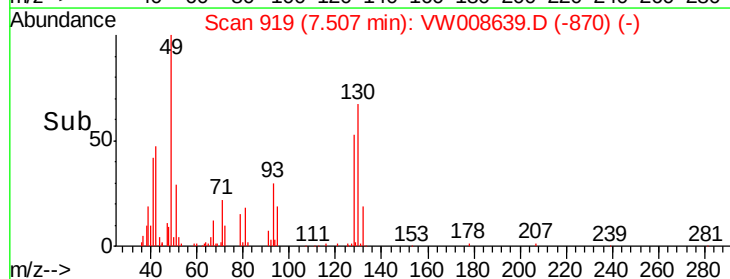
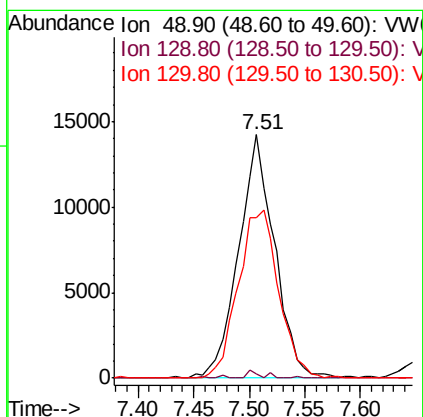
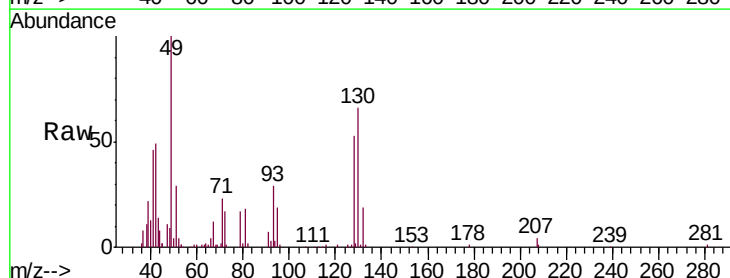
Tgt Ion: 96 Resp: 51845
 Ion Ratio Lower Upper
 96 100
 61 140.3 0.0 286.4
 98 61.5 0.0 125.0

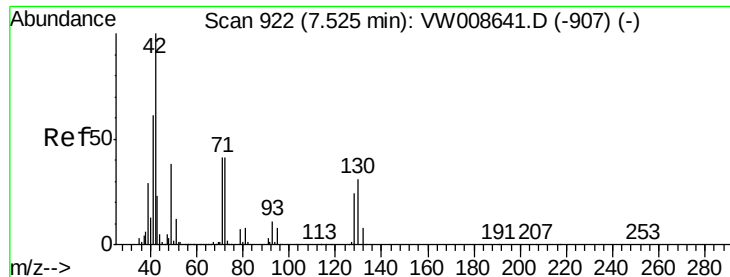


#28

Bromochloromethane
 Concen: 9.175 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 49 Resp: 31907
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.2
 130 77.9 59.4 89.0





#29

Tetrahydrofuran

Concen: 46.915 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

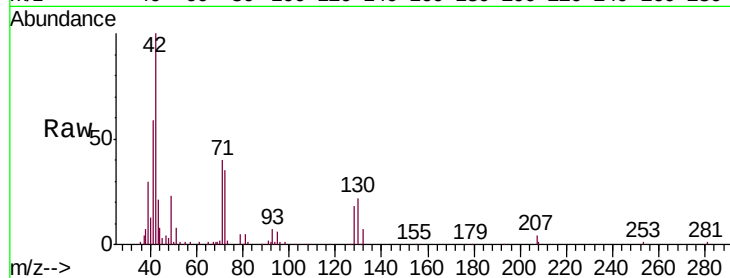
Tgt Ion: 42 Resp: 45176

Ion Ratio Lower Upper

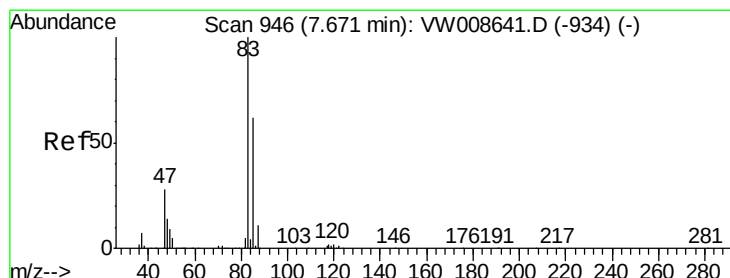
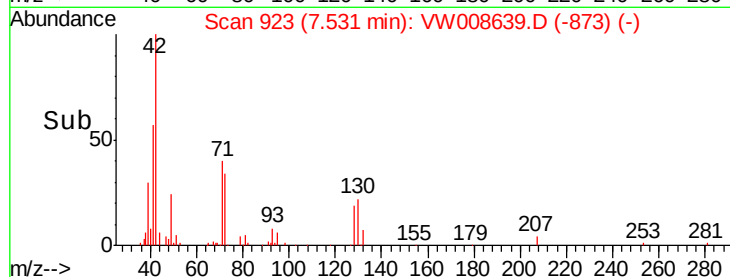
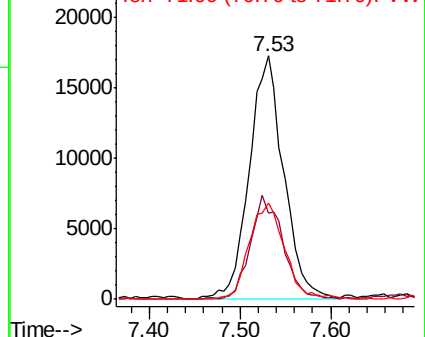
42 100

72 40.6 32.2 48.2

71 41.3 31.0 46.6



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



#30

Chloroform

Concen: 10.048 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008639.D

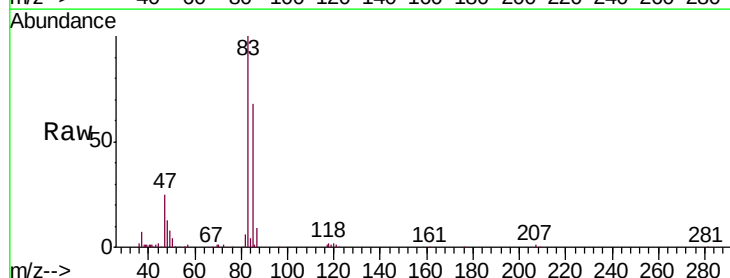
Acq: 13 Feb 2019 14:45

Tgt Ion: 83 Resp: 82942

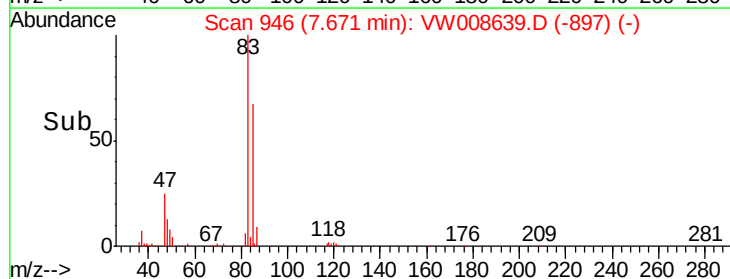
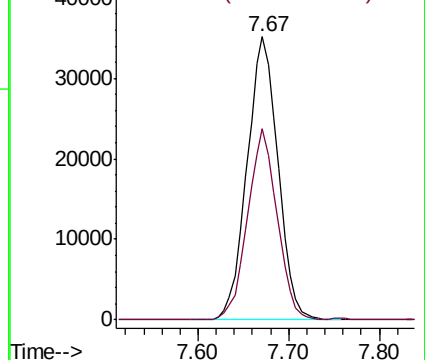
Ion Ratio Lower Upper

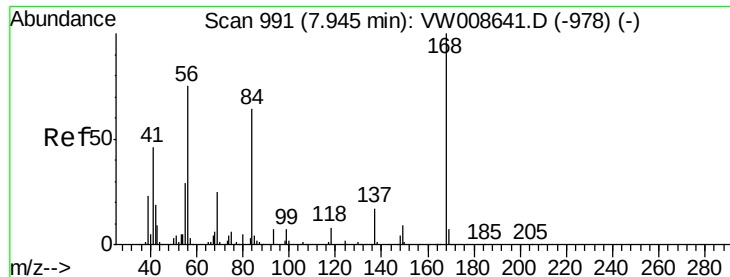
83 100

85 67.6 49.8 74.8



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

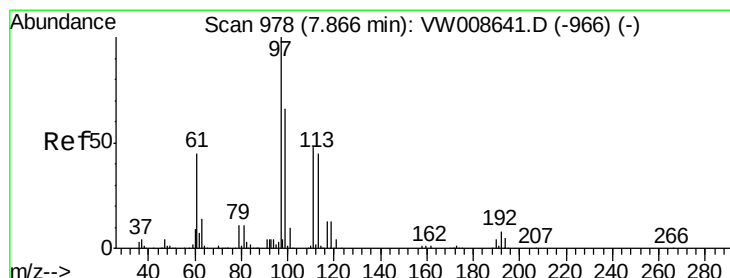
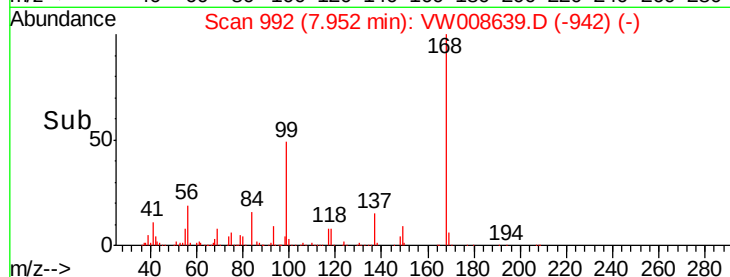
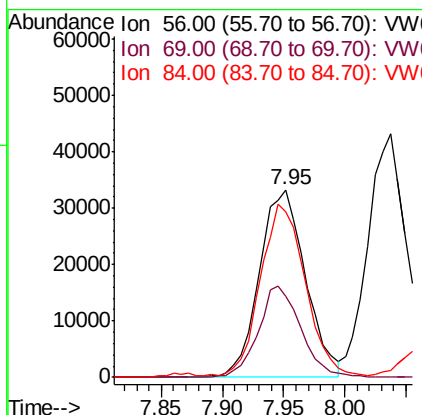
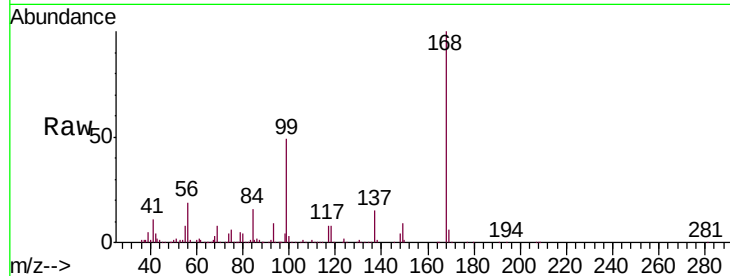




#31
Cyclohexane
Concen: 10.513 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

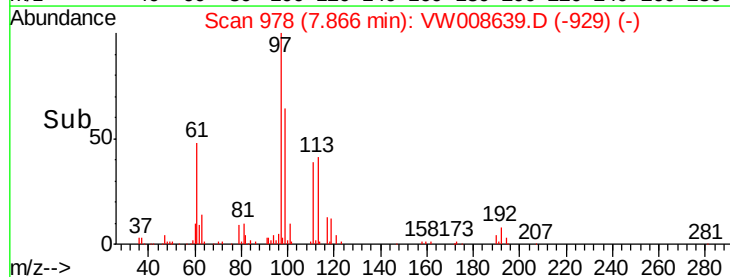
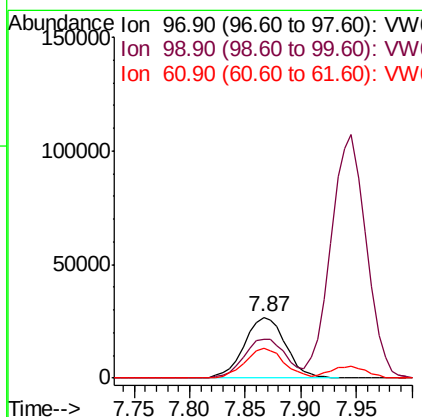
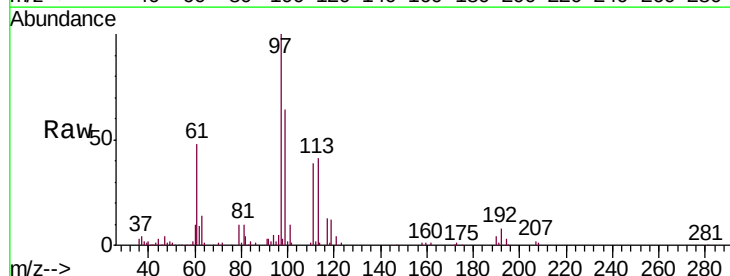
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

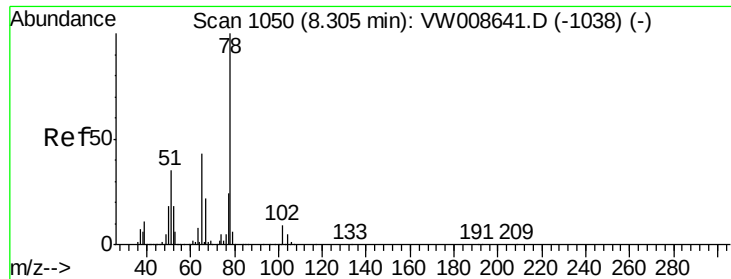
Tgt Ion: 56 Resp: 87420
Ion Ratio Lower Upper
56 100
69 43.5 26.4 39.6#
84 86.1 67.4 101.2



#32
1,1,1-Trichloroethane
Concen: 9.960 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 97 Resp: 69435
Ion Ratio Lower Upper
97 100
99 66.0 51.6 77.4
61 46.6 35.8 53.6

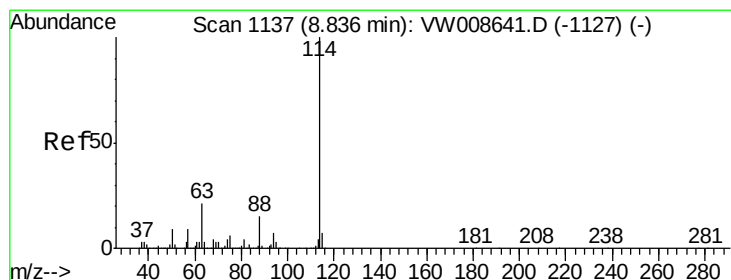
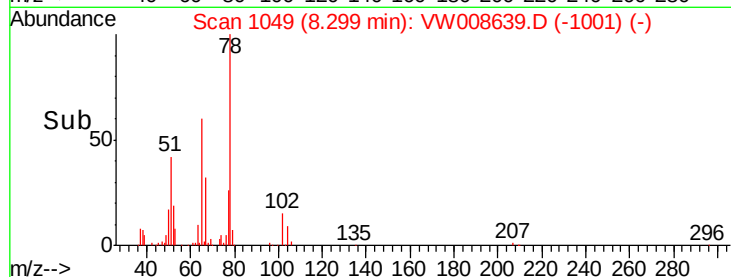
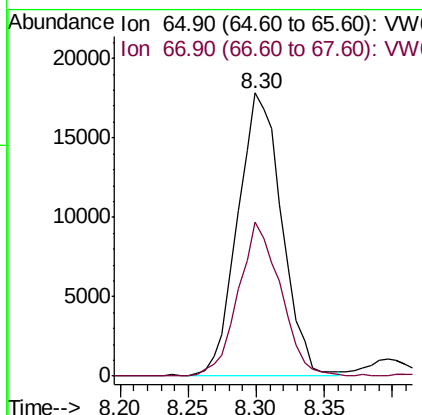
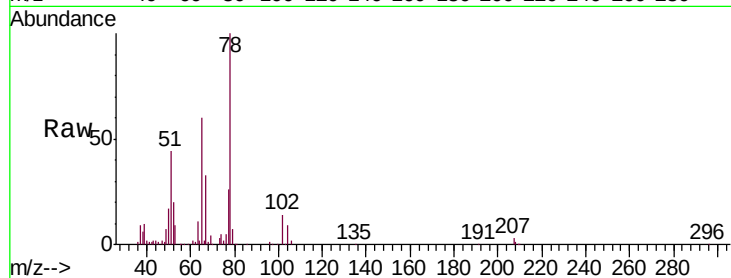




#33
 1,2-Dichloroethane-d4
 Concen: 8.903 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

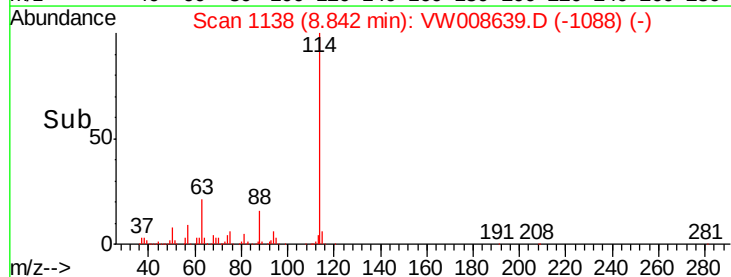
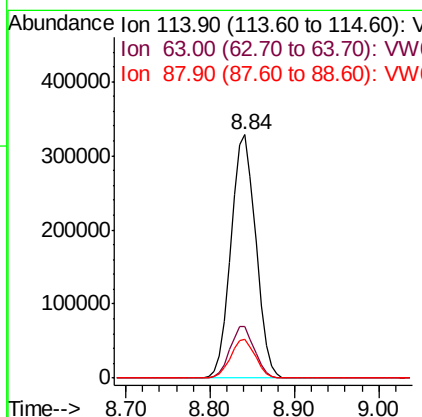
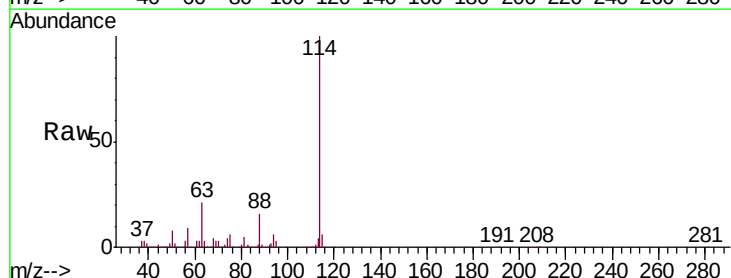
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

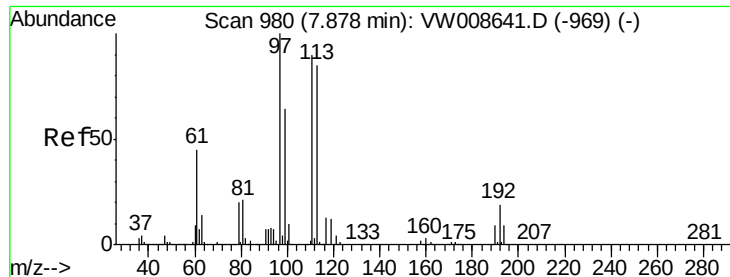
Tgt Ion: 65 Resp: 40479
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 114 Resp: 653788
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.2
 88 15.9 0.0 29.6

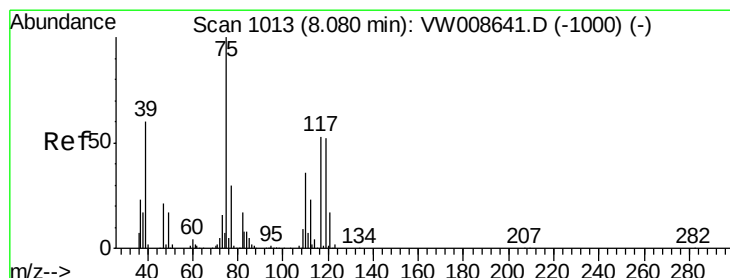
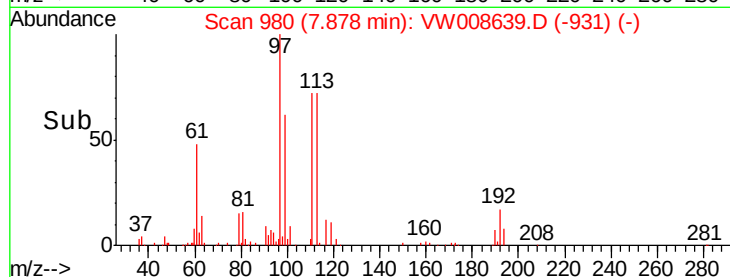
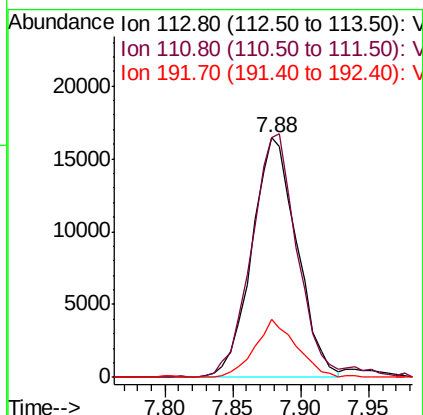
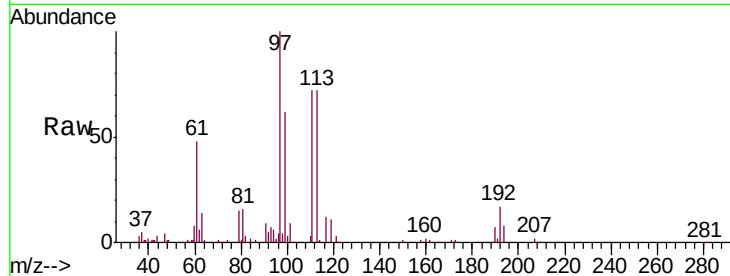




#35
 Dibromofluoromethane
 Concen: 9.422 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

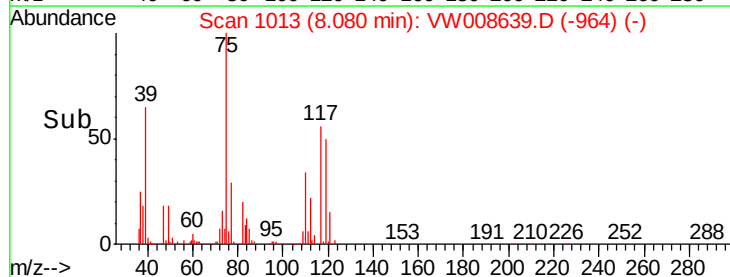
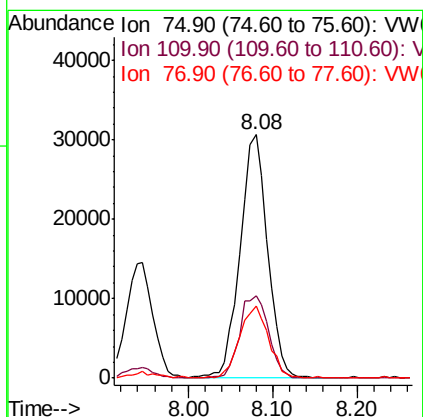
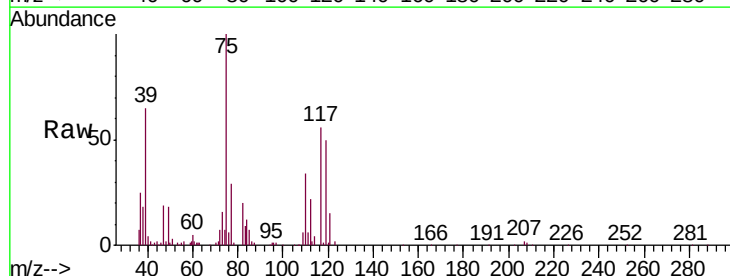
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

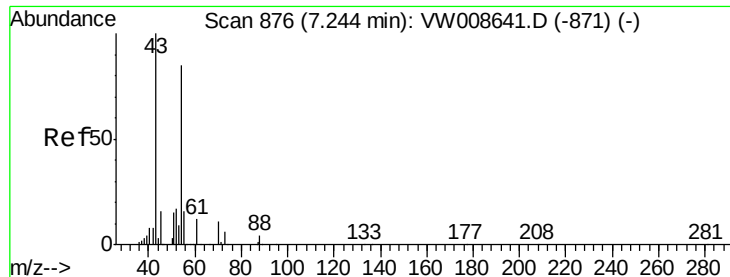
Tgt Ion: 113 Resp: 38248
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.0 126.0
 192 22.4 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 10.256 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 75 Resp: 67363
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.8 53.3
 77 31.3 24.7 37.1

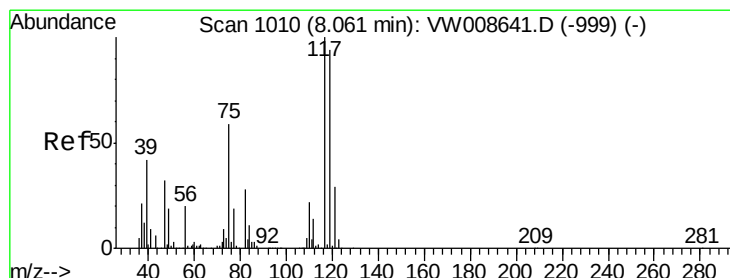
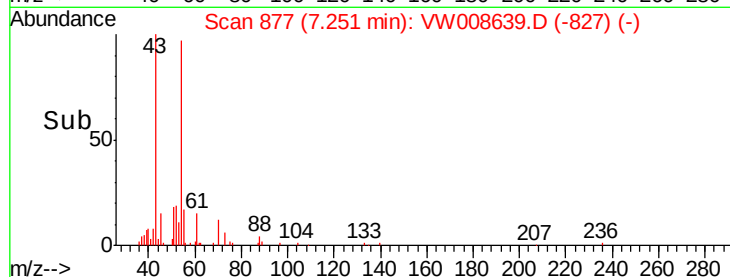
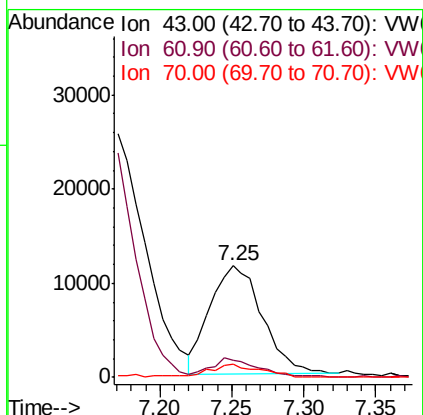
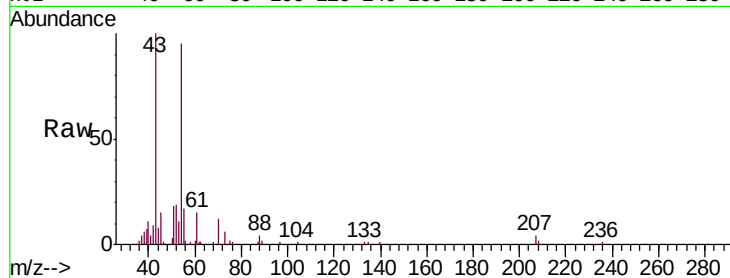




#37
Ethyl Acetate
Concen: 9.127 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

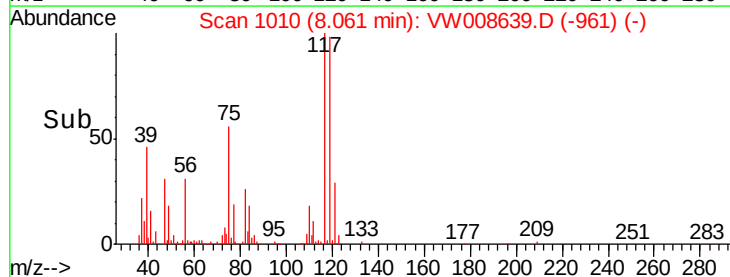
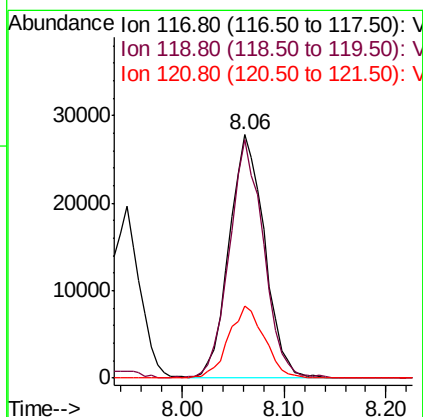
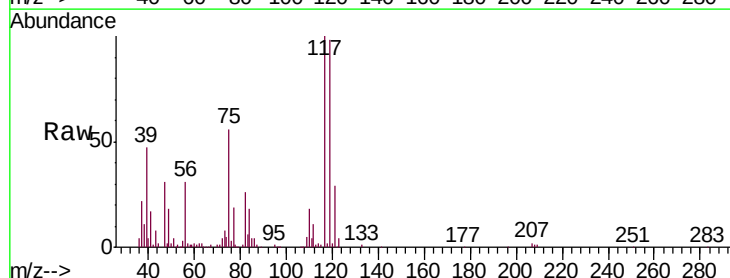
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

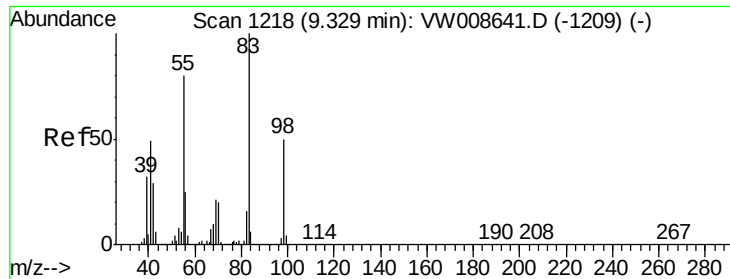
Tgt Ion: 43 Resp: 28918
Ion Ratio Lower Upper
43 100
61 16.0 10.5 15.7#
70 11.5 8.1 12.1



#38
Carbon Tetrachloride
Concen: 10.239 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 117 Resp: 66879
Ion Ratio Lower Upper
117 100
119 98.0 75.1 112.7
121 29.5 23.5 35.3

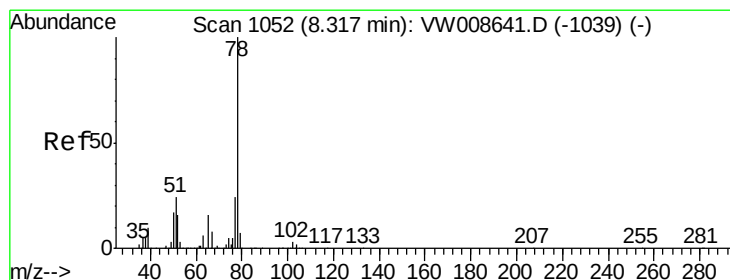
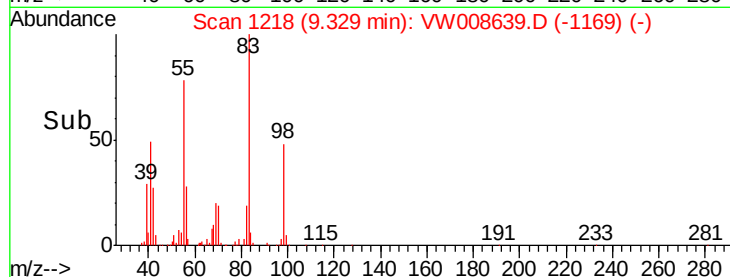
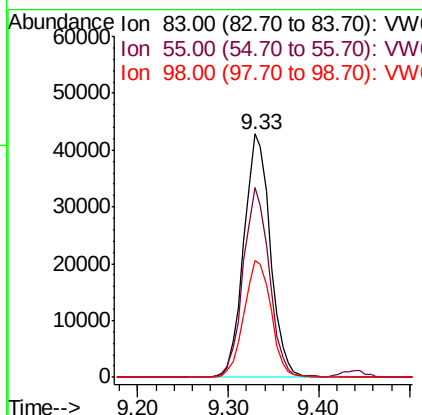
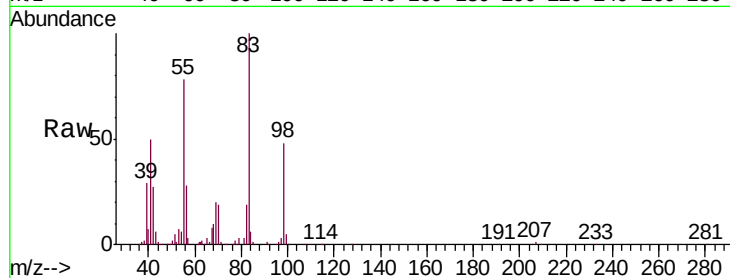




#39
Methylcyclohexane
Concen: 10.393 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

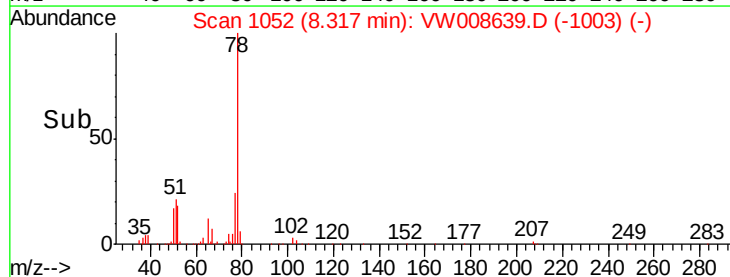
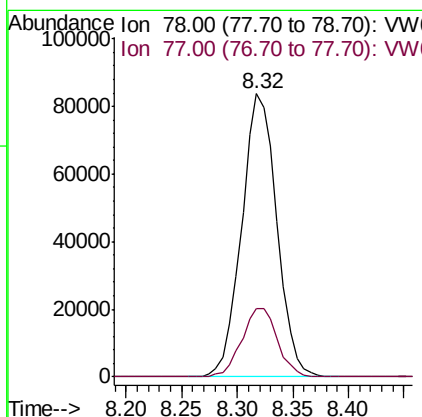
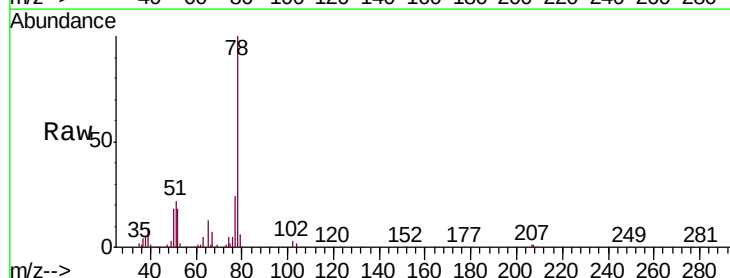
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

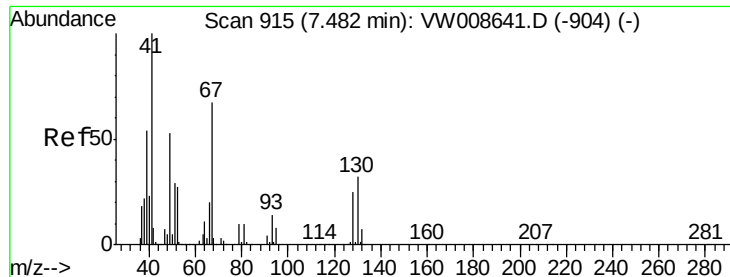
Tgt Ion: 83 Resp: 86343
Ion Ratio Lower Upper
83 100
55 77.7 63.9 95.9
98 48.2 40.2 60.2



#40
Benzene
Concen: 10.250 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 78 Resp: 183879
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3

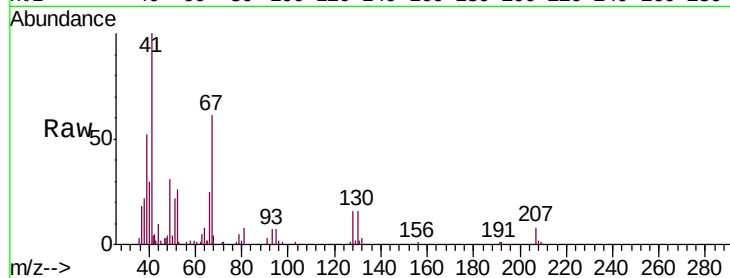




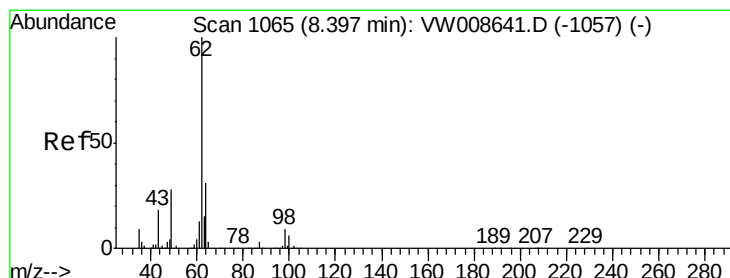
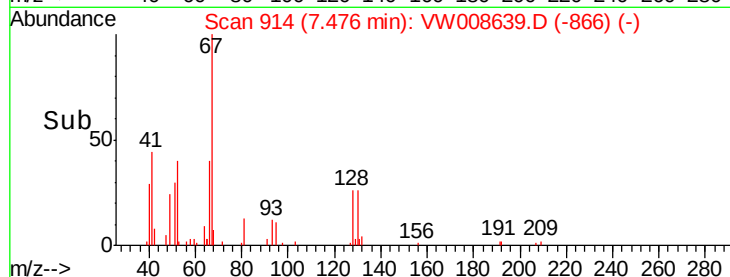
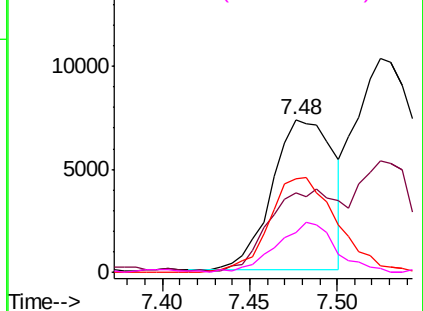
#41
Methacrylonitrile
Concen: 10.028 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	17878
Ion	Ratio	Lower	Upper
41	100		
39	63.4	39.7	59.5#
67	70.0	52.5	78.7
52	31.6	23.1	34.7

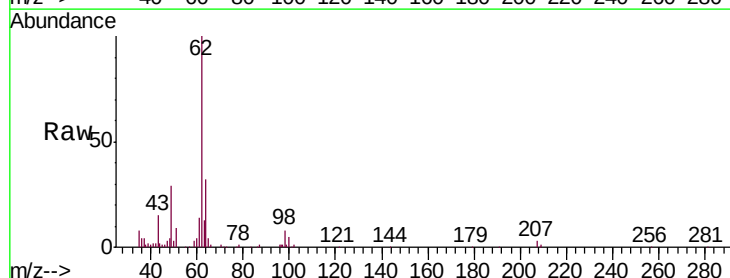


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

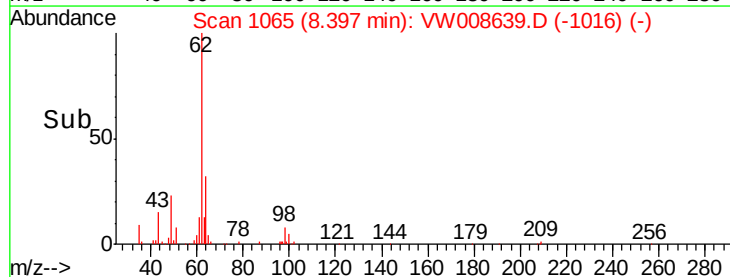
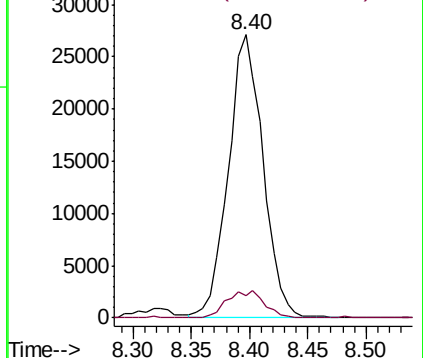


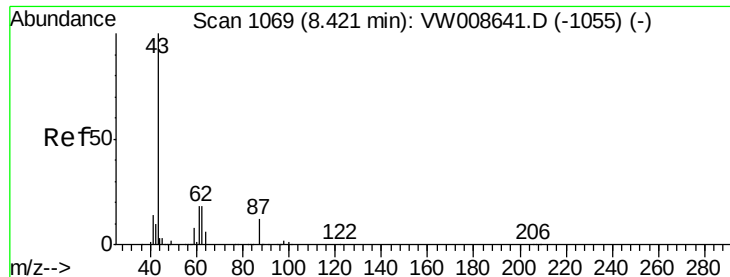
#42
1,2-Dichloroethane
Concen: 10.127 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion:	62	Resp:	56352
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 9.320 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

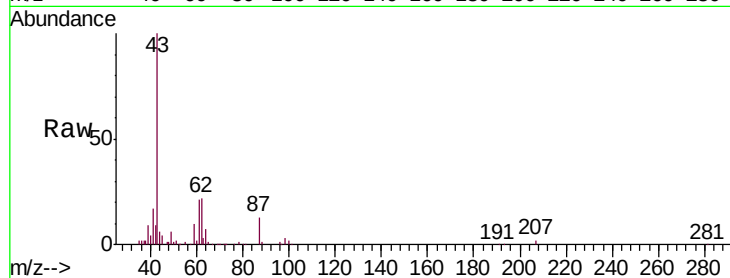
Tgt Ion: 43 Resp: 58885

Ion Ratio Lower Upper

43 100

61 30.8 21.4 32.2

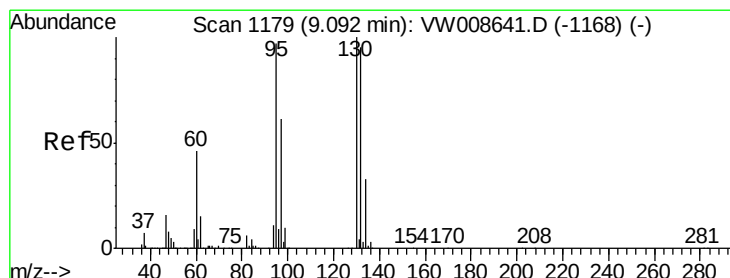
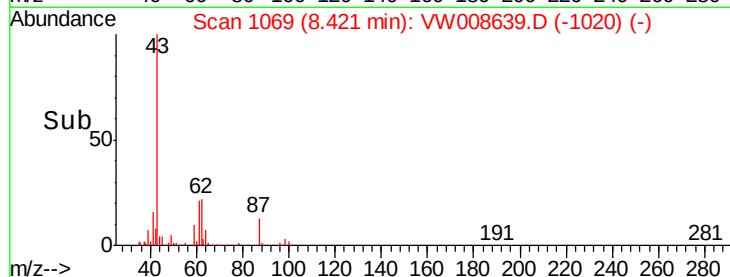
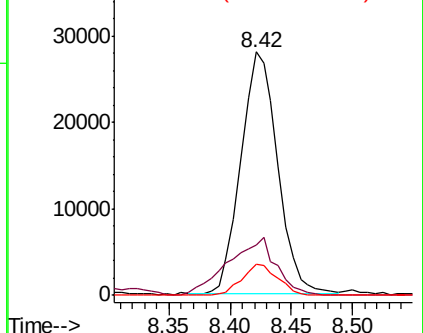
87 12.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 10.274 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008639.D

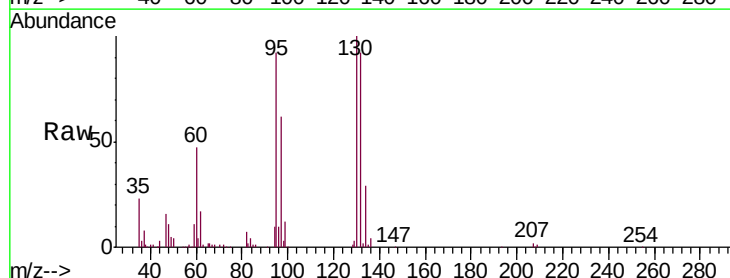
Acq: 13 Feb 2019 14:45

Tgt Ion: 130 Resp: 51103

Ion Ratio Lower Upper

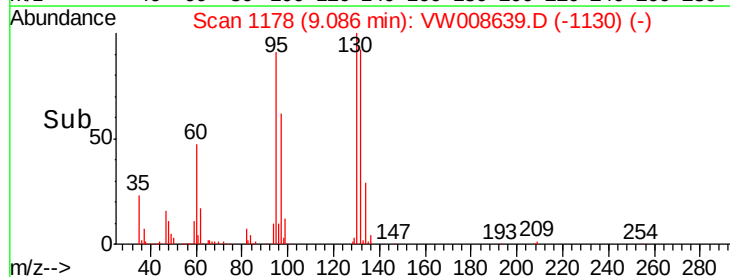
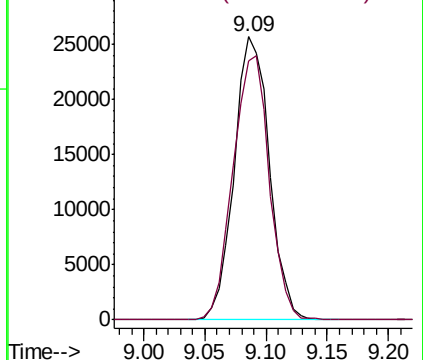
130 100

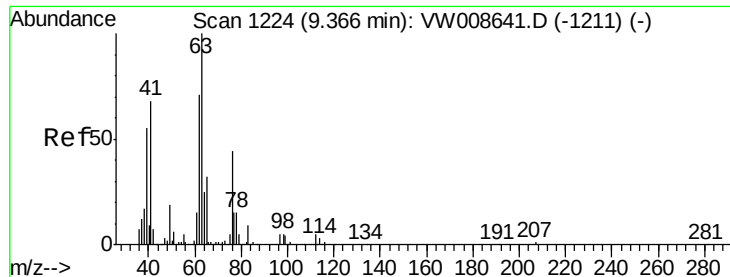
95 91.7 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

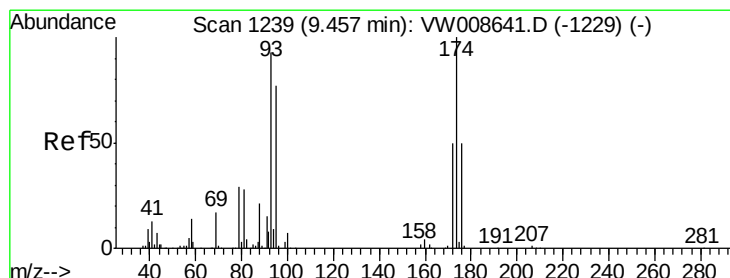
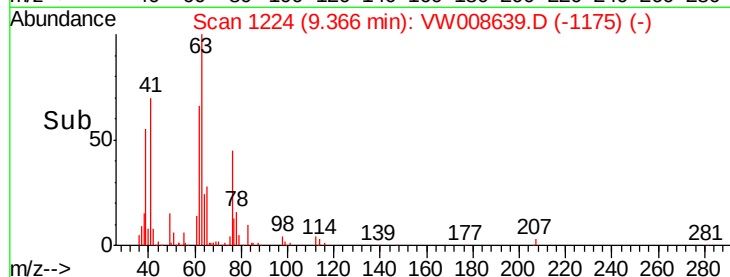
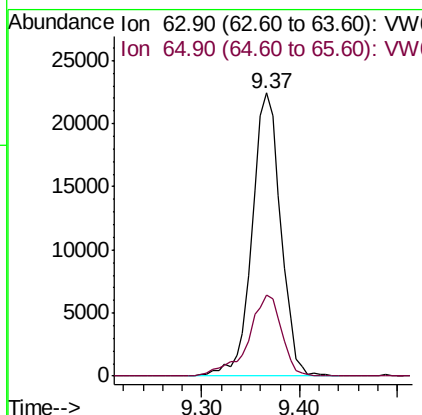
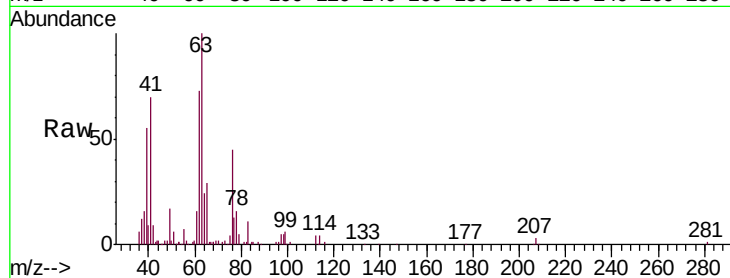




#45
 1,2-Dichloropropane
 Concen: 10.256 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

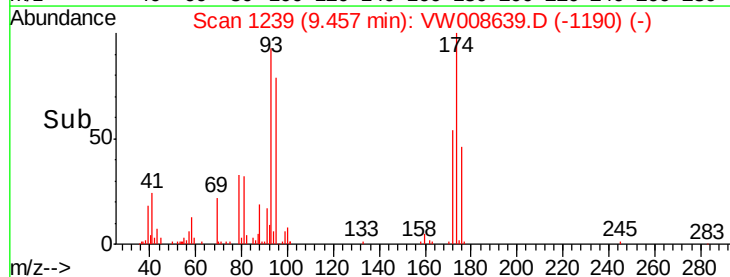
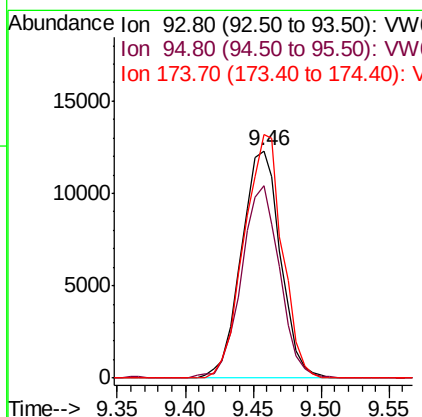
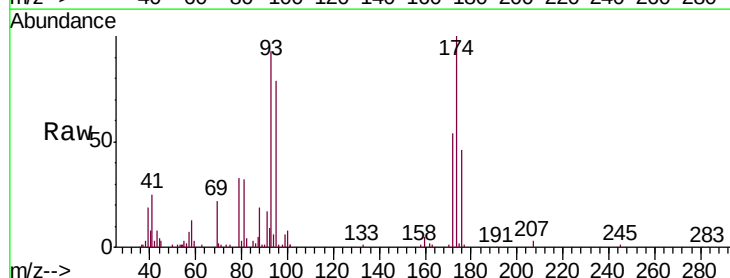
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

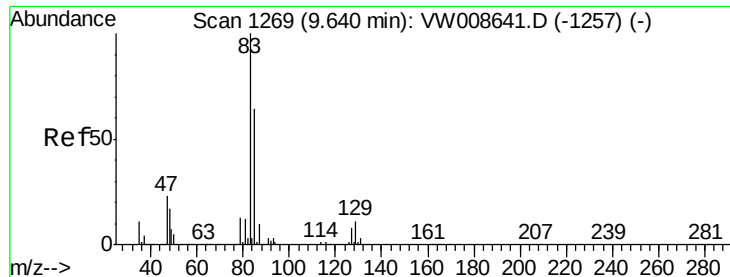
Tgt Ion: 63 Resp: 45534
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.4 38.0



#46
 Dibromomethane
 Concen: 10.139 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 93 Resp: 24795
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.8
 174 104.7 82.5 123.7





#47

Bromodichloromethane

Concen: 9.743 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

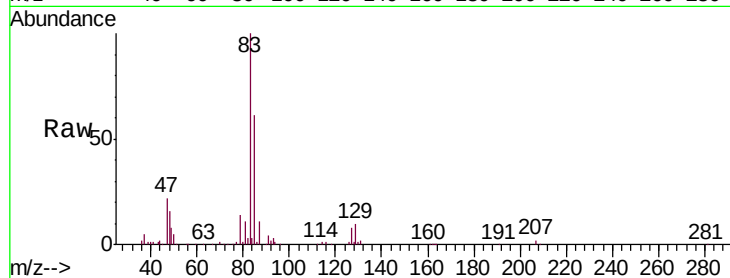
Tgt Ion: 83 Resp: 57262

Ion Ratio Lower Upper

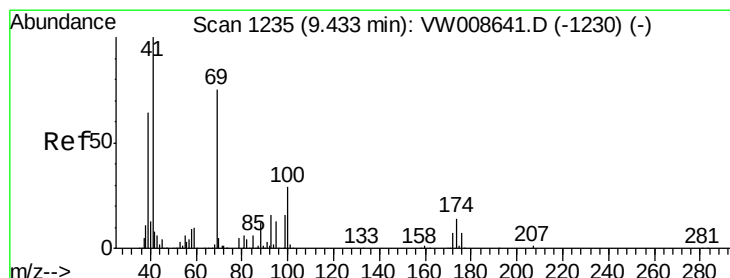
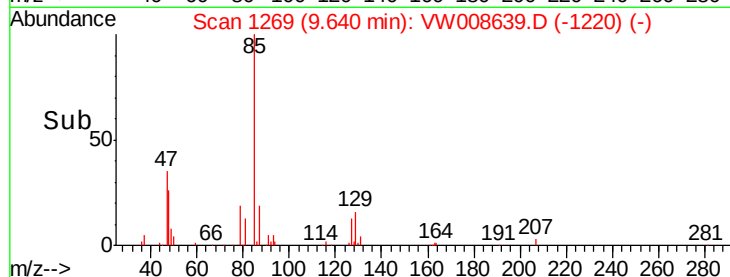
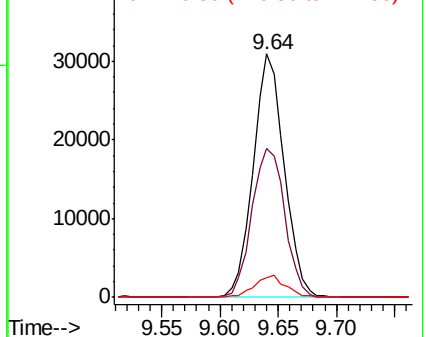
83 100

85 61.1 51.2 76.8

127 8.3 6.4 9.6



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



#48

Methyl methacrylate

Concen: 9.076 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

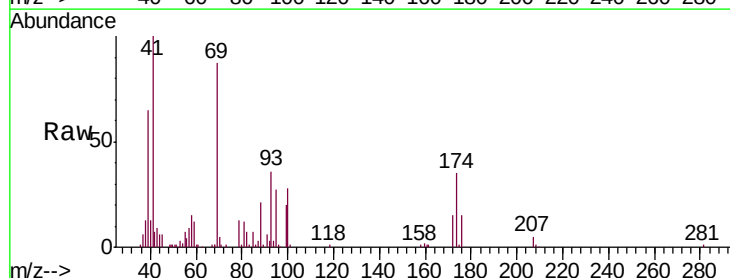
Tgt Ion: 41 Resp: 26576

Ion Ratio Lower Upper

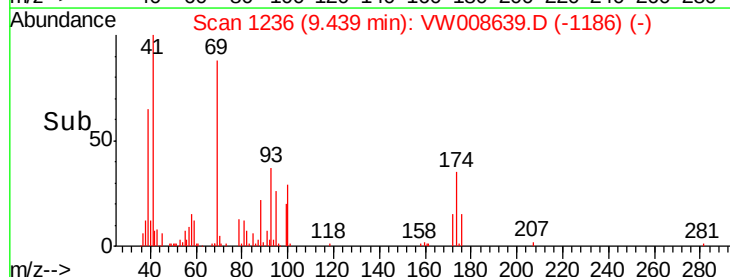
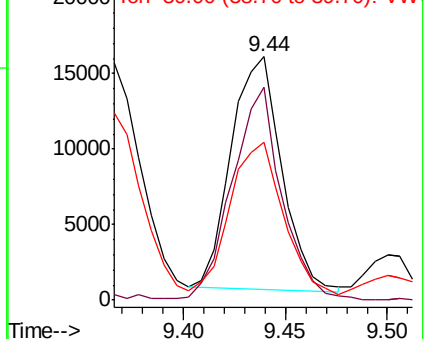
41 100

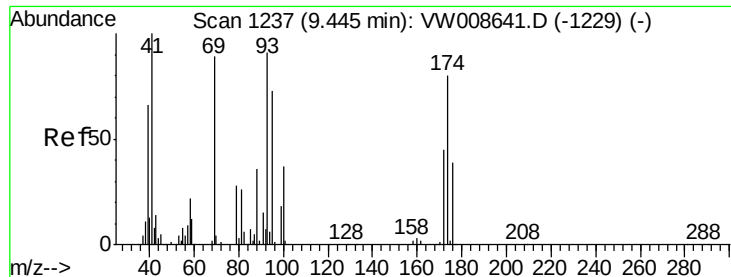
69 90.3 64.1 96.1

39 68.2 52.3 78.5



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





#49

1,4-Dioxane

Concen: 197.296 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

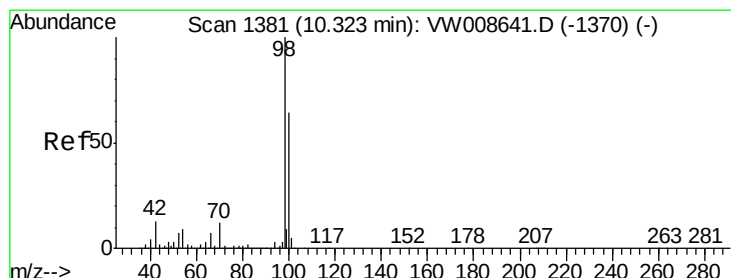
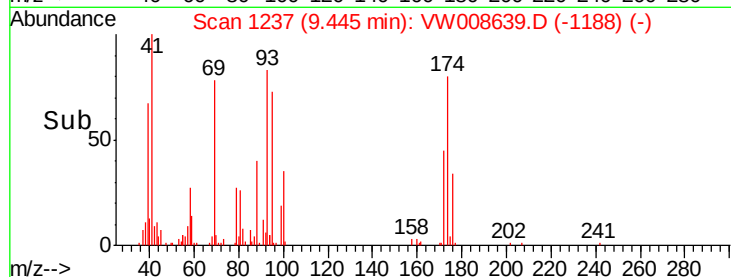
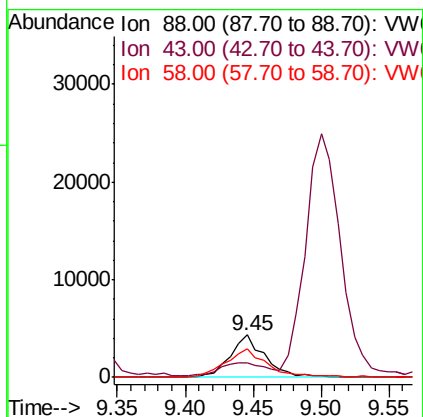
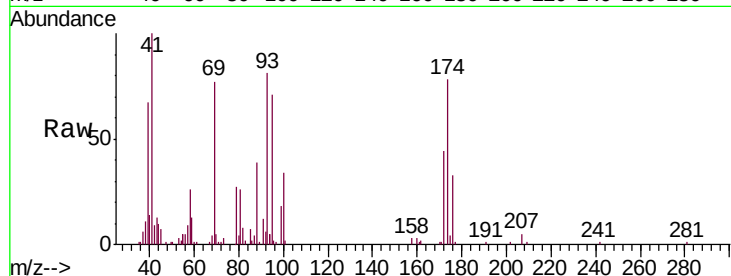
Tgt Ion: 88 Resp: 7702

Ion Ratio Lower Upper

88 100

43 38.3 31.0 46.6

58 80.1 57.0 85.6



#50

Toluene-d8

Concen: 9.195 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008639.D

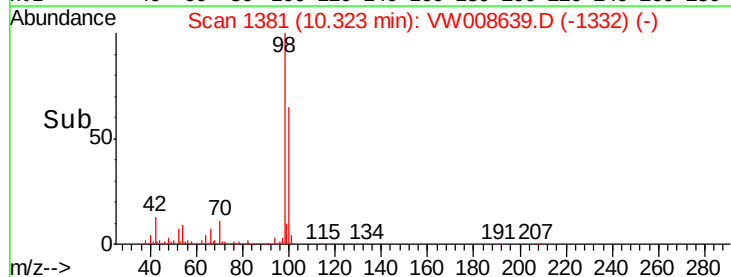
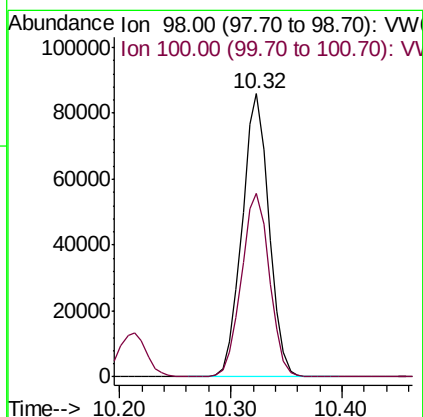
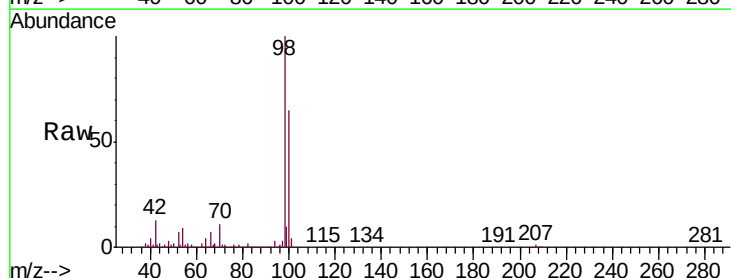
Acq: 13 Feb 2019 14:45

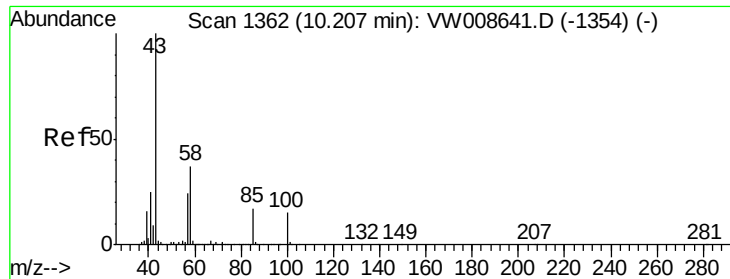
Tgt Ion: 98 Resp: 143899

Ion Ratio Lower Upper

98 100

100 67.6 52.2 78.4

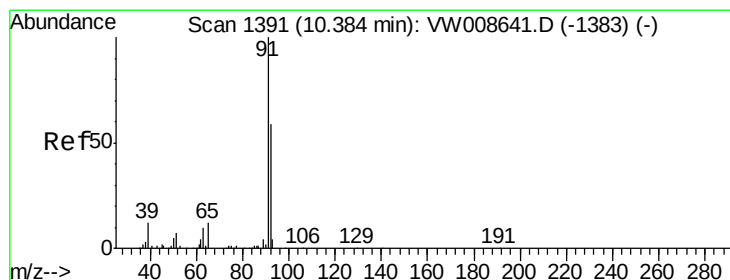
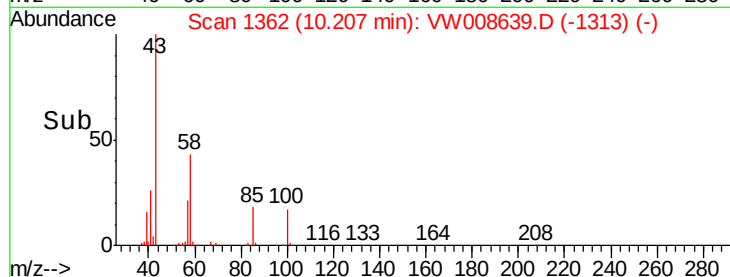
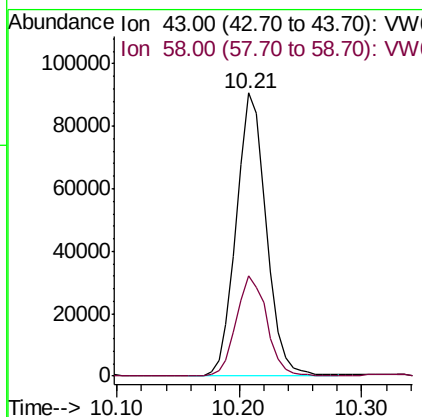
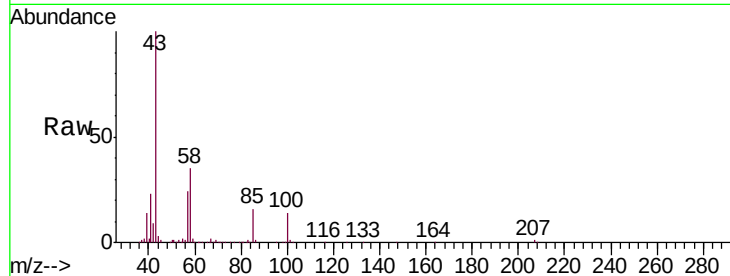




#51
 4-Methyl-2-Pentanone
 Concen: 47.724 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

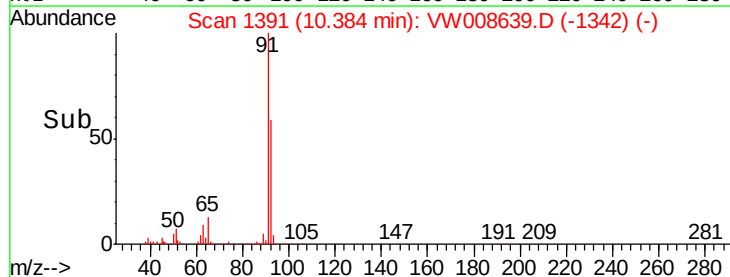
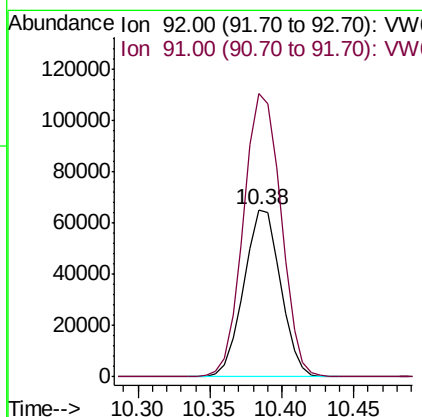
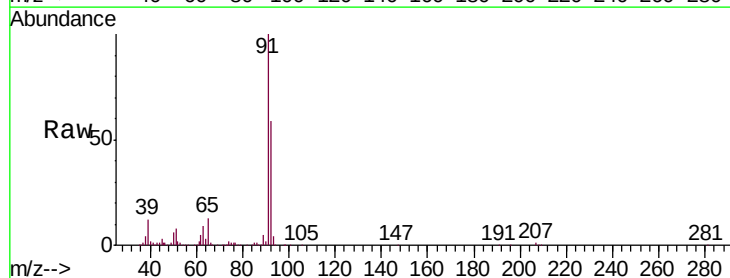
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

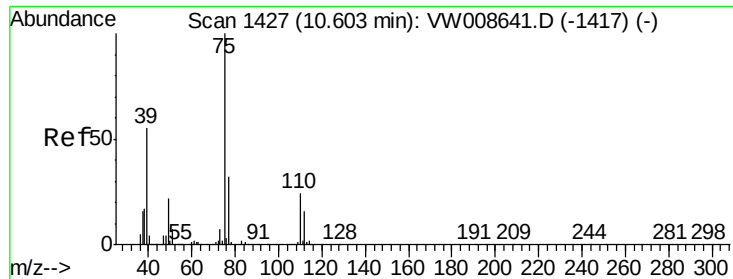
Tgt Ion: 43 Resp: 154889
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.0 43.6



#52
 Toluene
 Concen: 9.926 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 92 Resp: 114873
 Ion Ratio Lower Upper
 92 100
 91 173.9 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 9.579 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

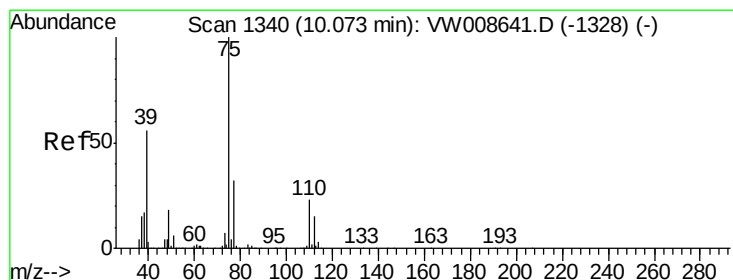
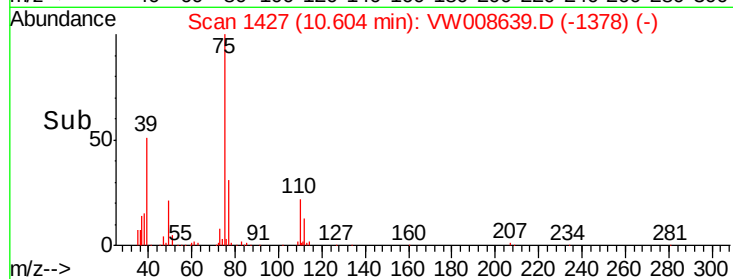
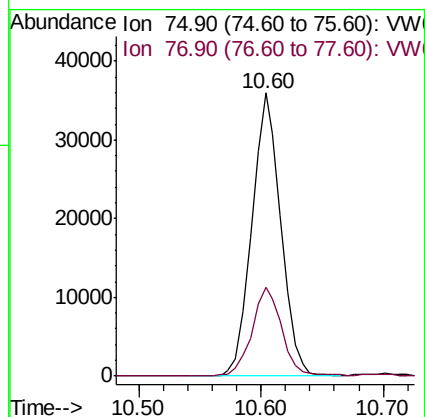
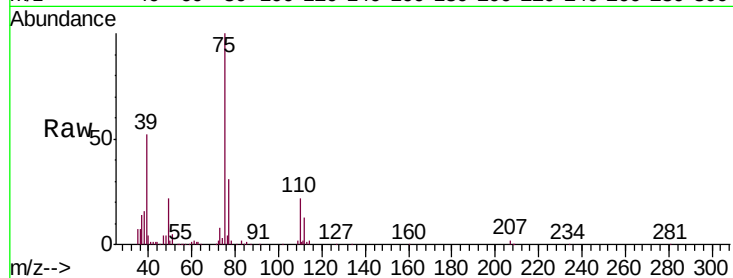
VSTDIC010

Tgt Ion: 75 Resp: 59147

Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 9.677 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

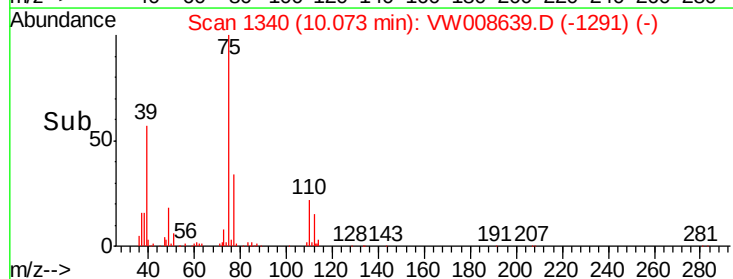
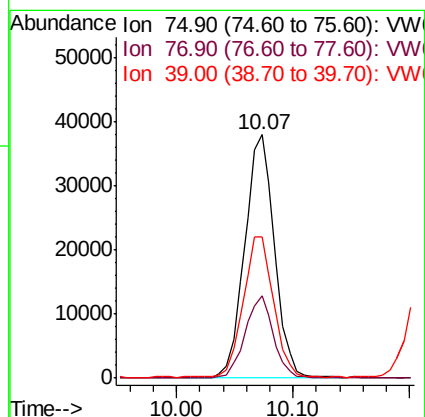
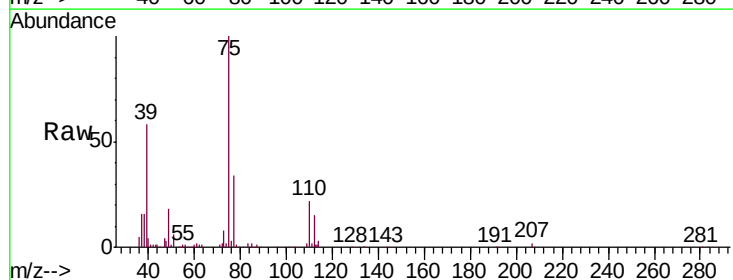
Tgt Ion: 75 Resp: 67735

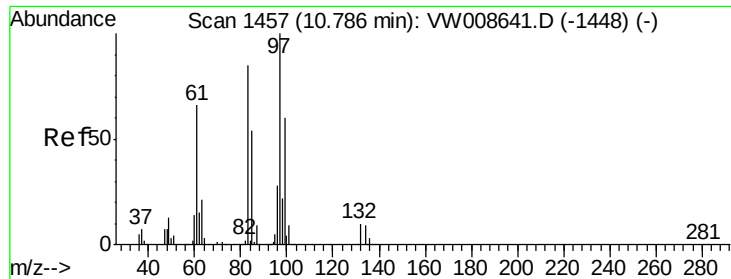
Ion Ratio Lower Upper

75 100

77 33.6 25.4 38.0

39 57.5 44.5 66.7

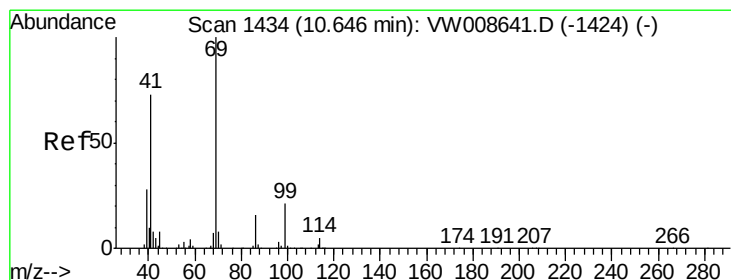
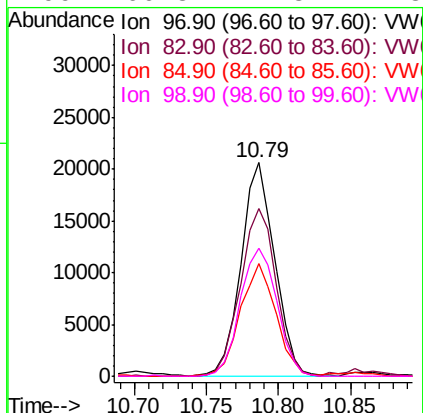
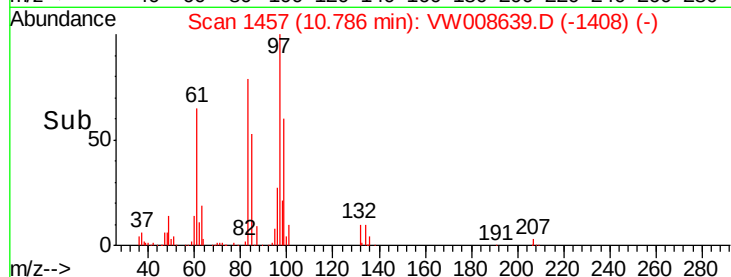
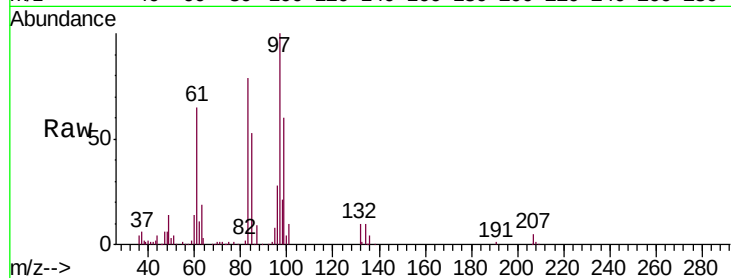




#55
 1,1,2-Trichloroethane
 Concen: 9.971 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

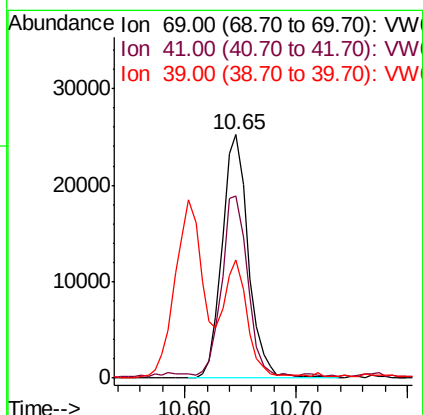
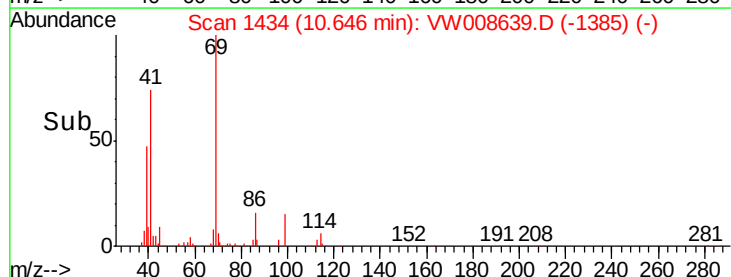
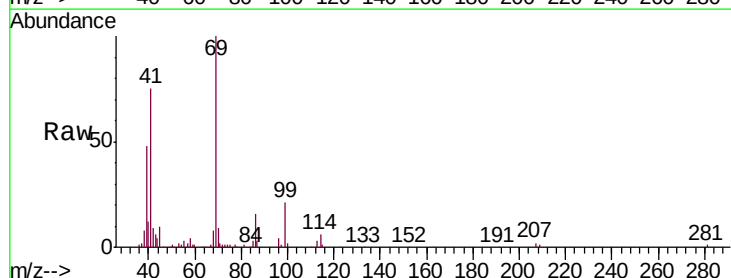
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

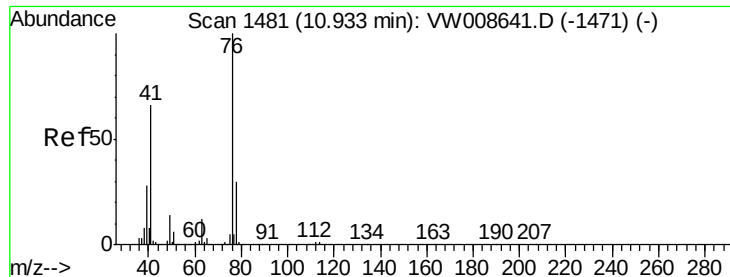
Tgt Ion:	97	Resp:	33459
Ion	Ratio	Lower	Upper
97	100		
83	79.0	68.4	102.6
85	52.7	43.1	64.7
99	60.3	47.8	71.8



#56
 Ethyl methacrylate
 Concen: 9.287 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion:	69	Resp:	41381
Ion	Ratio	Lower	Upper
69	100		
41	72.9	59.0	88.4
39	40.1	34.4	51.6

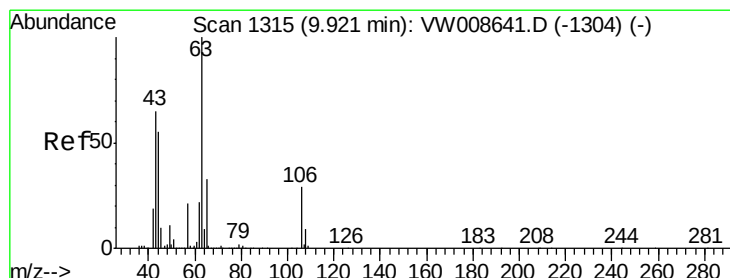
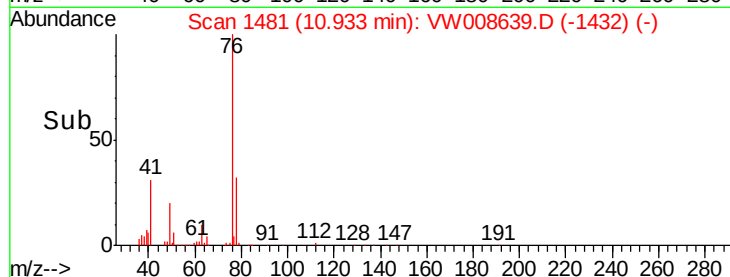
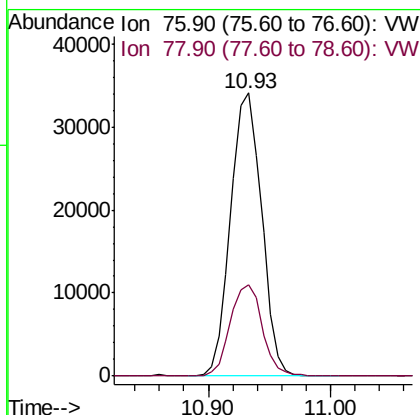
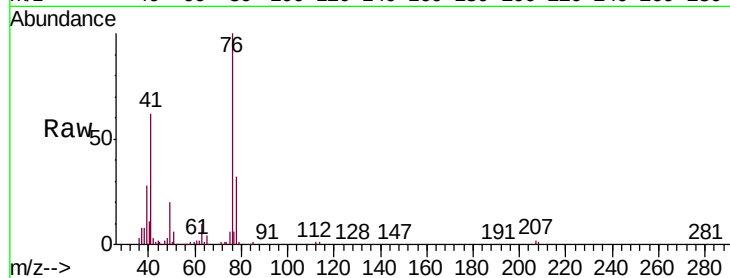




#57
 1,3-Dichloropropane
 Concen: 10.055 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

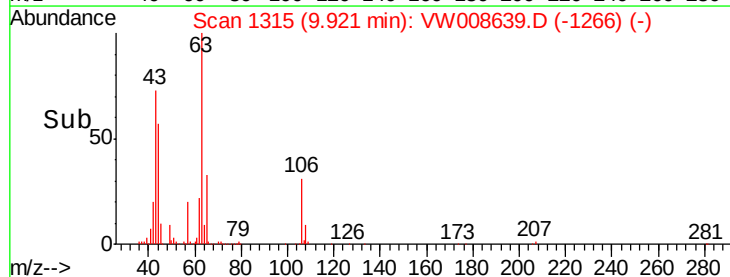
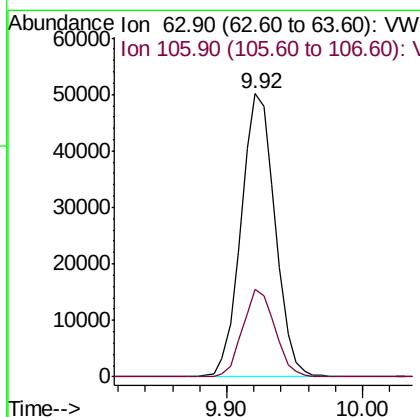
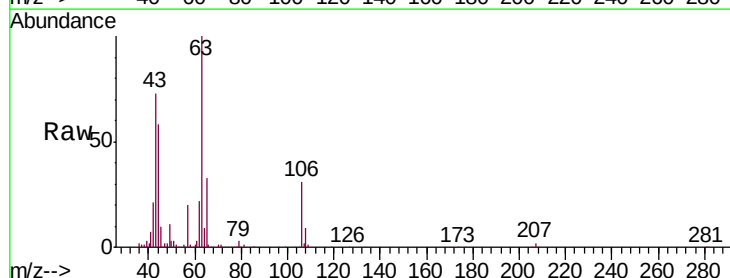
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

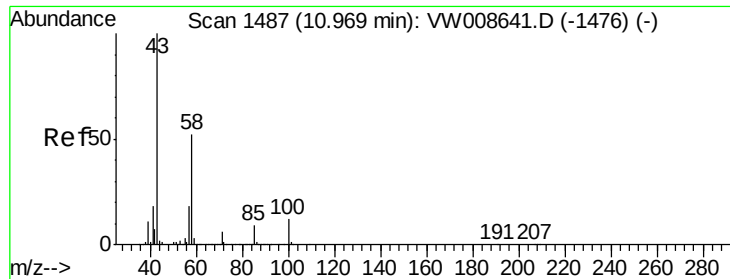
Tgt Ion: 76 Resp: 59864
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 40.981 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion: 63 Resp: 87598
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.4 35.2





#59

2-Hexanone

Concen: 46.482 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

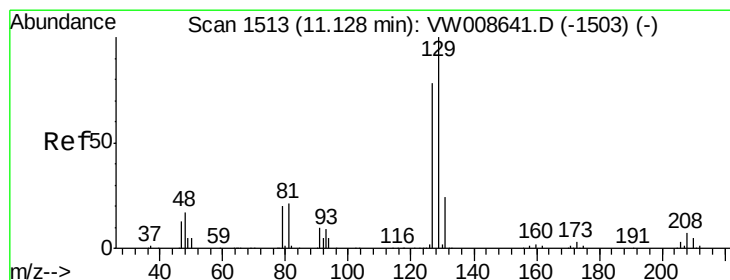
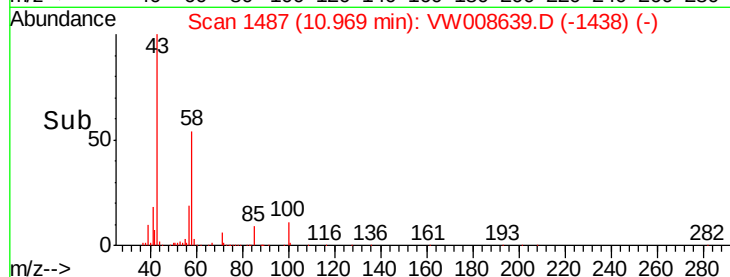
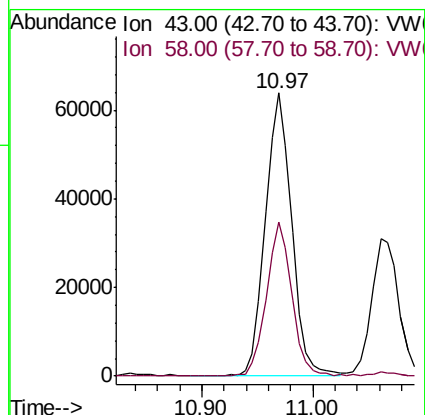
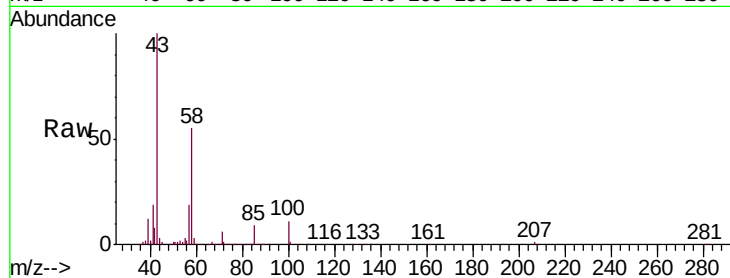
VSTDIC010

Tgt Ion: 43 Resp: 105977

Ion Ratio Lower Upper

43 100

58 52.2 25.6 76.6



#60

Dibromochloromethane

Concen: 9.568 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008639.D

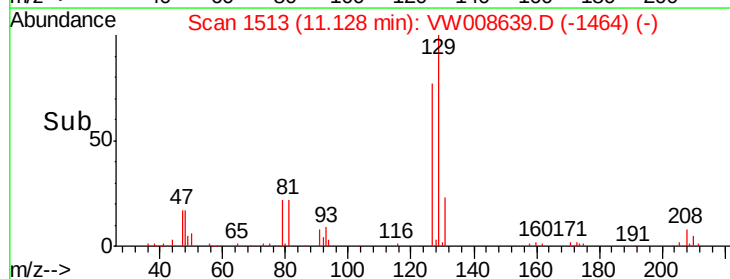
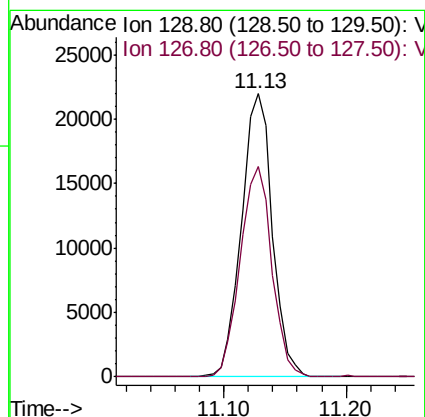
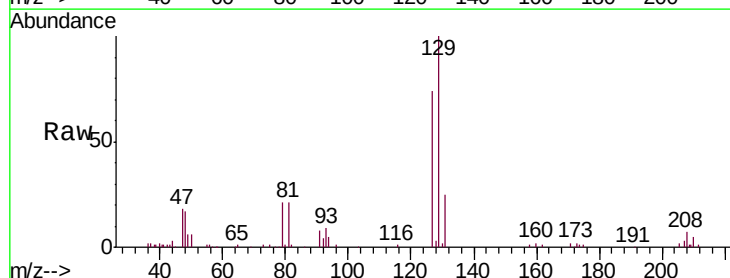
Acq: 13 Feb 2019 14:45

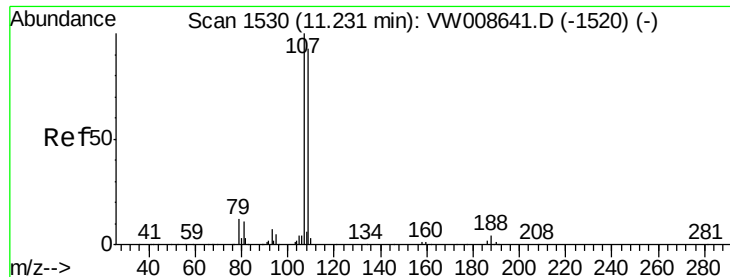
Tgt Ion: 129 Resp: 38417

Ion Ratio Lower Upper

129 100

127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 9.736 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

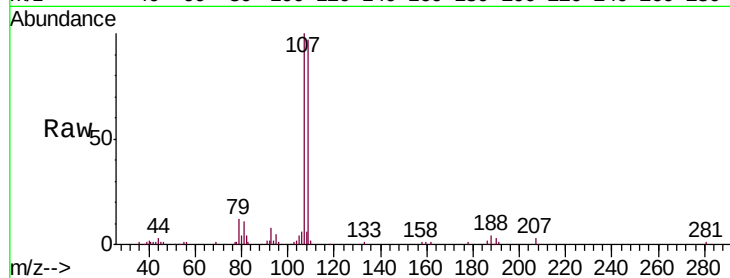
VSTDIC010

Tgt Ion: 107 Resp: 32168

Ion Ratio Lower Upper

107 100

109 97.7 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

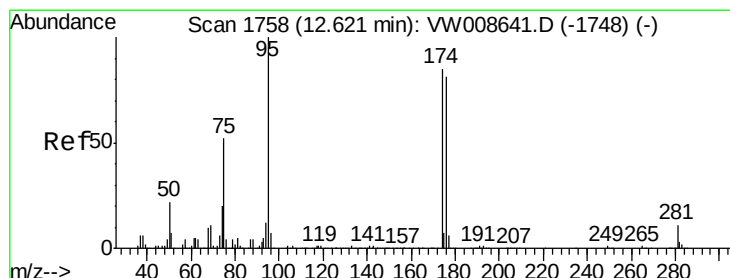
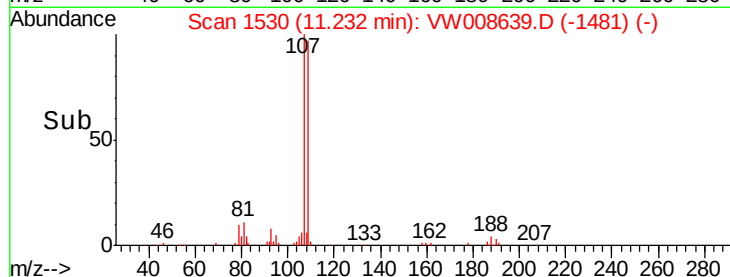
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 9.128 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

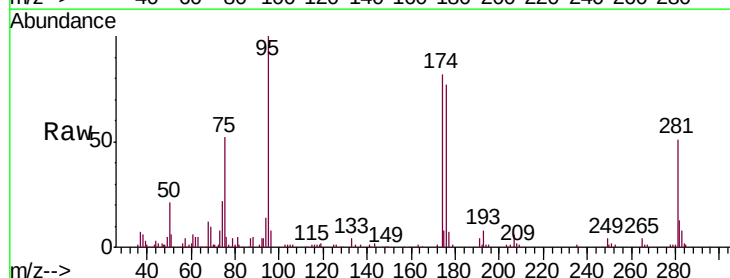
Tgt Ion: 95 Resp: 53804

Ion Ratio Lower Upper

95 100

174 83.9 0.0 163.2

176 84.4 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

40000

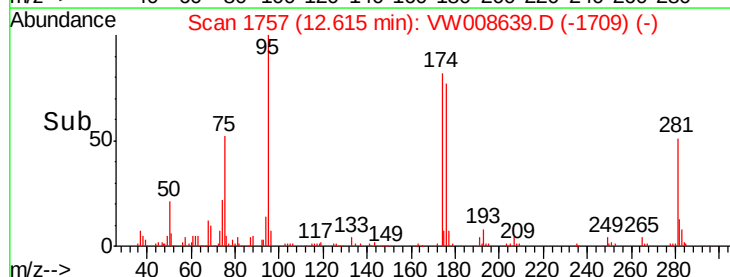
30000

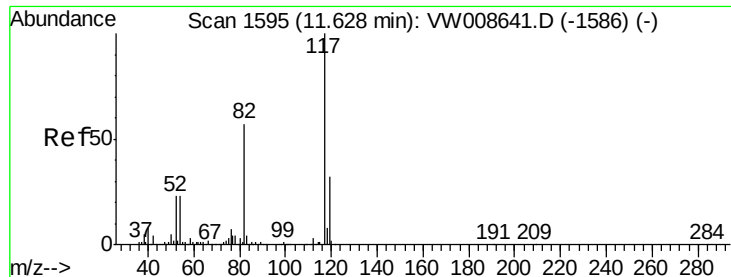
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

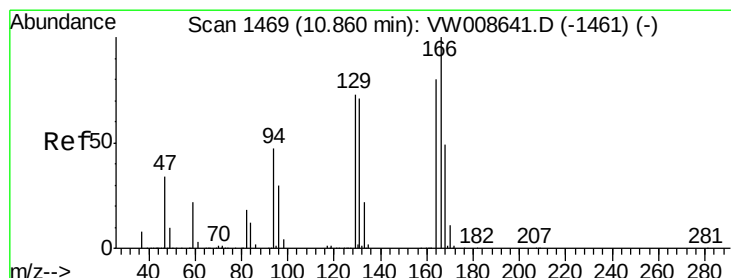
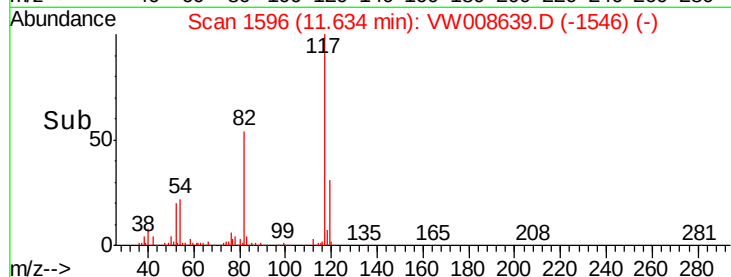
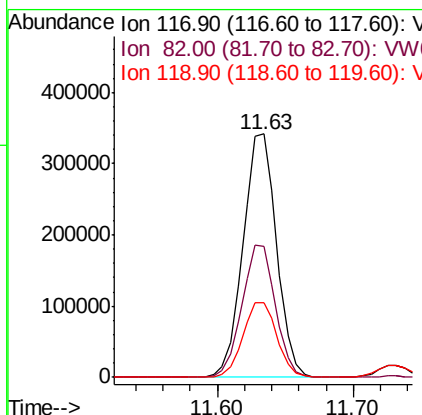
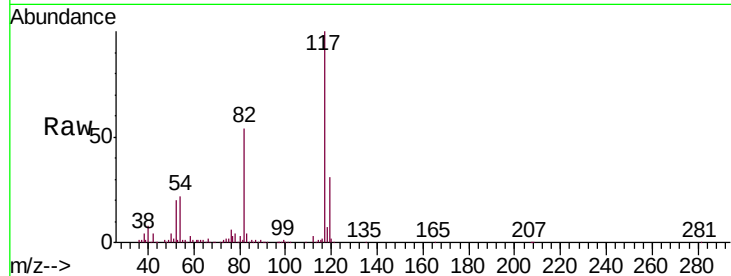




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

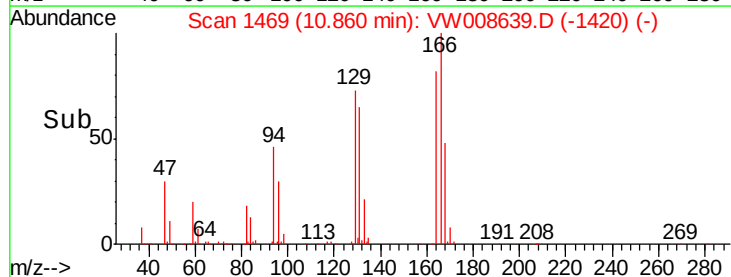
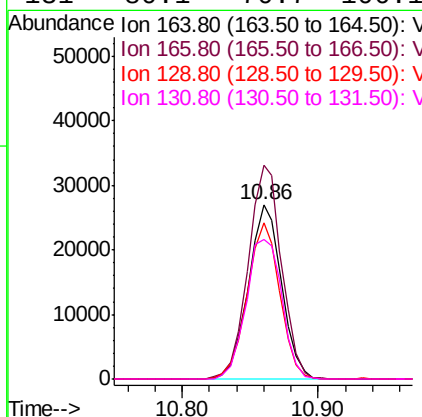
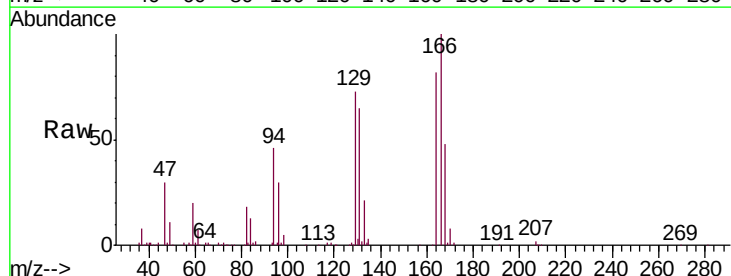
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

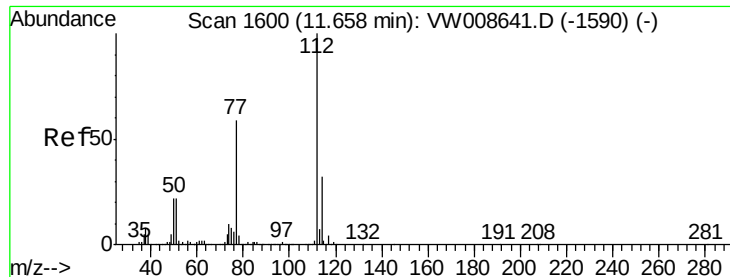
Tgt Ion:117 Resp: 588131
Ion Ratio Lower Upper
117 100
82 53.9 45.6 68.4
119 30.9 25.7 38.5



#64
Tetrachloroethene
Concen: 10.573 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion:164 Resp: 46242
Ion Ratio Lower Upper
164 100
166 122.5 100.2 150.2
129 89.6 73.6 110.4
131 80.1 70.7 106.1





#65

Chlorobenzene

Concen: 10.164 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

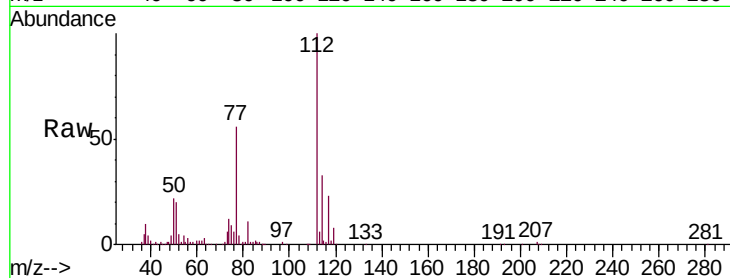
VSTDIC010

Tgt Ion:112 Resp: 128842

Ion Ratio Lower Upper

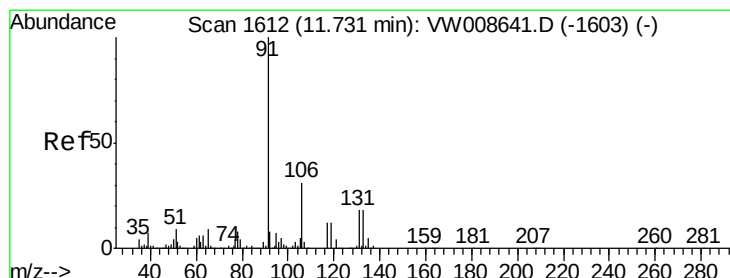
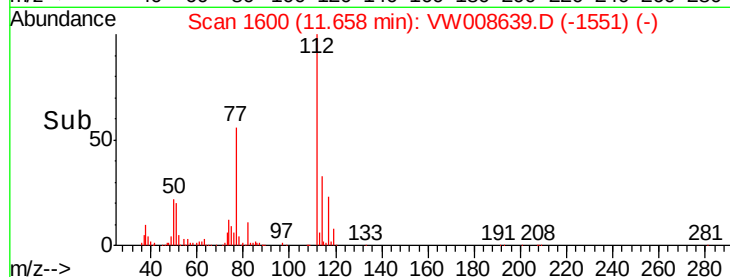
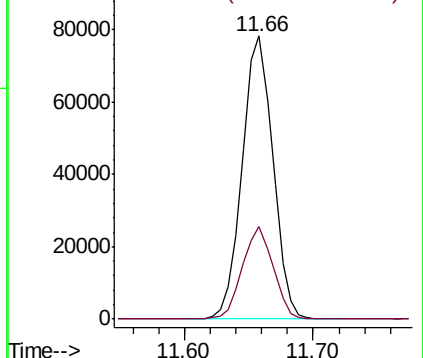
112 100

114 32.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.038 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

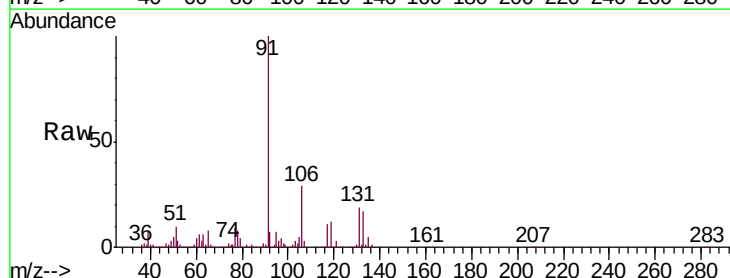
Tgt Ion:131 Resp: 45078

Ion Ratio Lower Upper

131 100

133 94.7 47.8 143.4

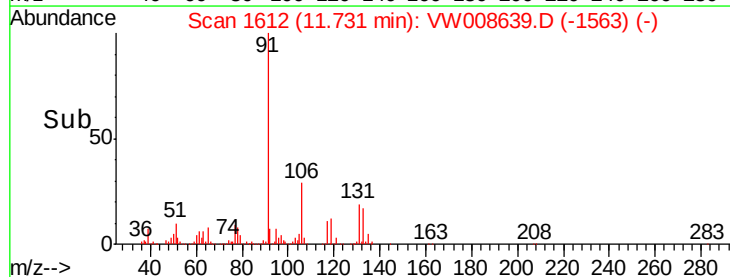
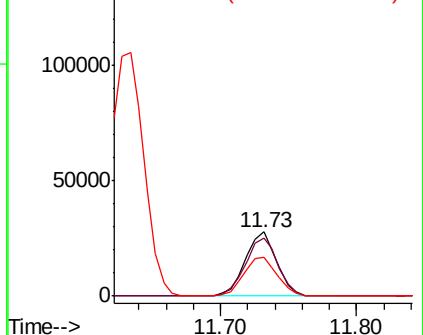
119 64.6 31.6 94.8

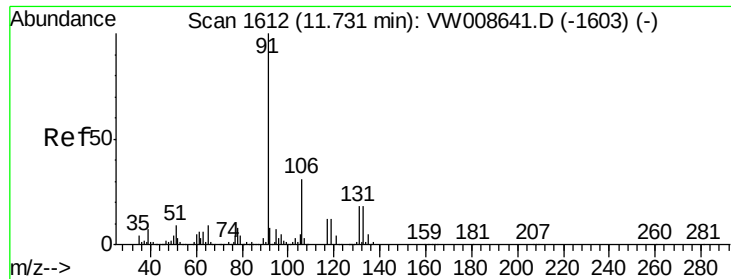


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

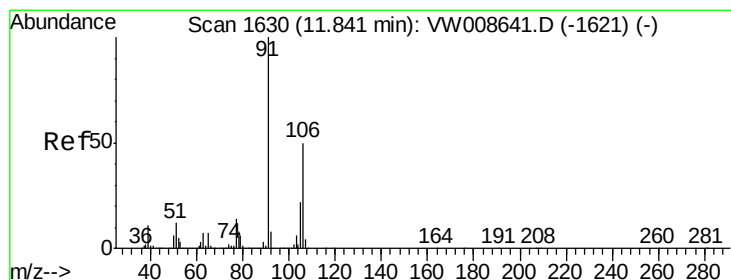
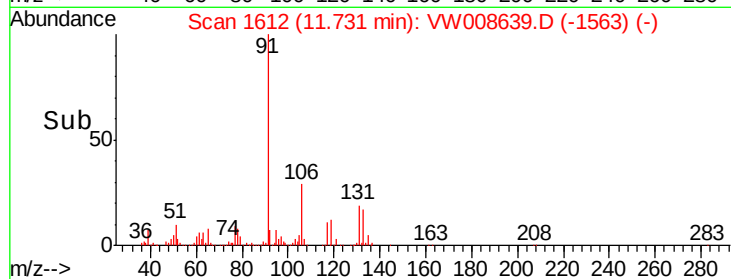
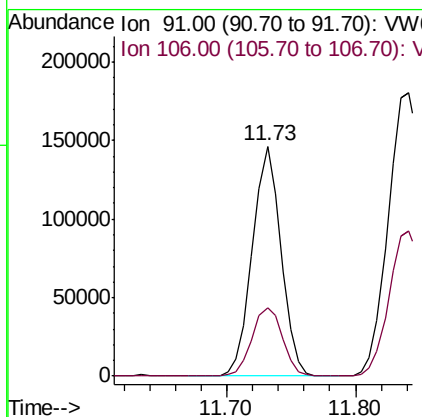
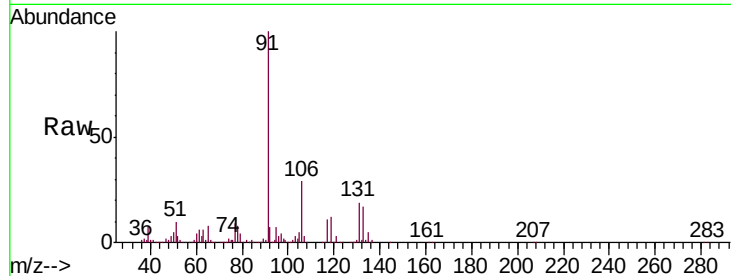




#67
Ethyl Benzene
Concen: 9.930 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

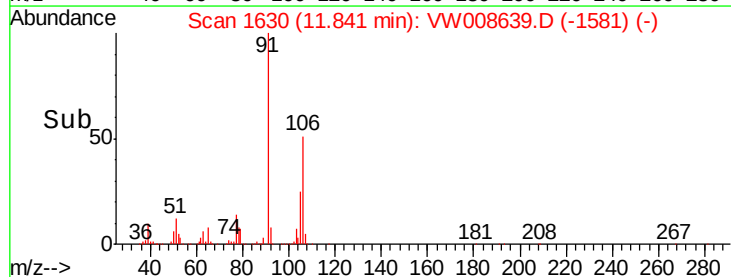
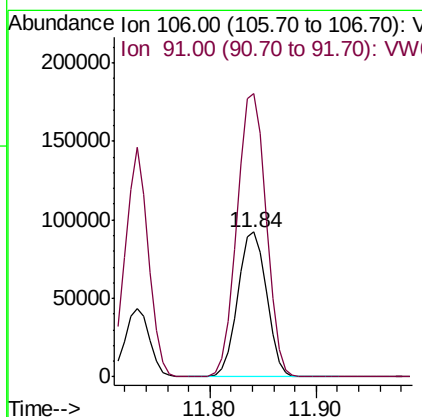
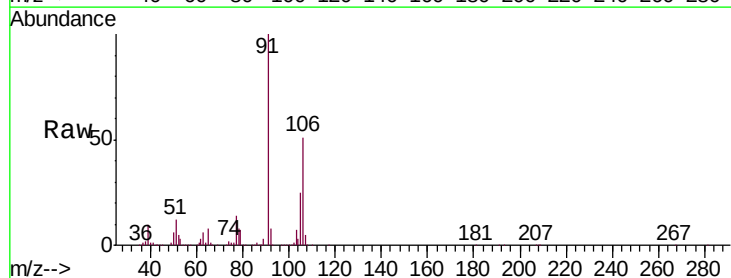
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

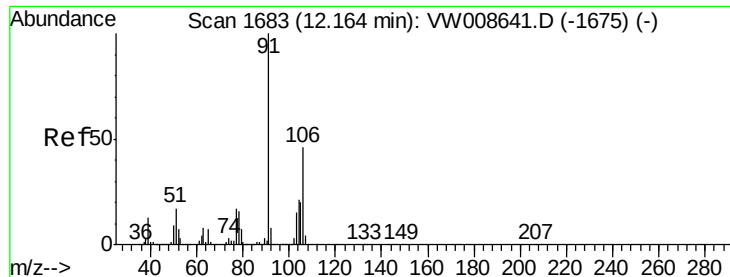
Tgt Ion: 91 Resp: 224225
Ion Ratio Lower Upper
91 100
106 29.5 24.5 36.7



#68
m/p-Xylenes
Concen: 20.097 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion: 106 Resp: 176567
Ion Ratio Lower Upper
106 100
91 197.4 161.0 241.4

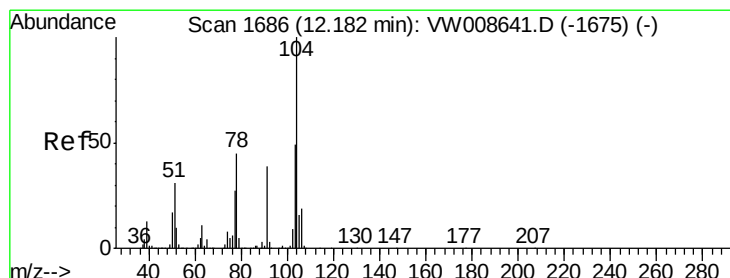
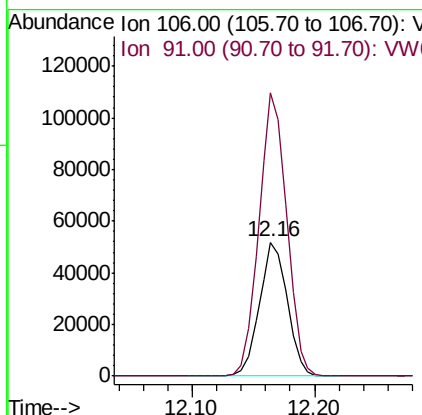
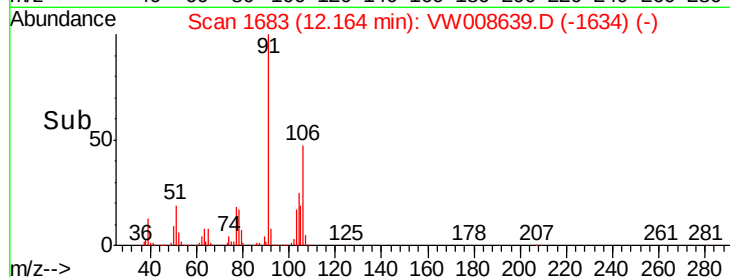
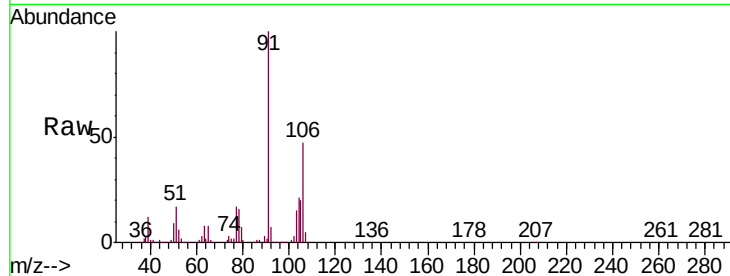




#69
o-Xylene
Concen: 9.916 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

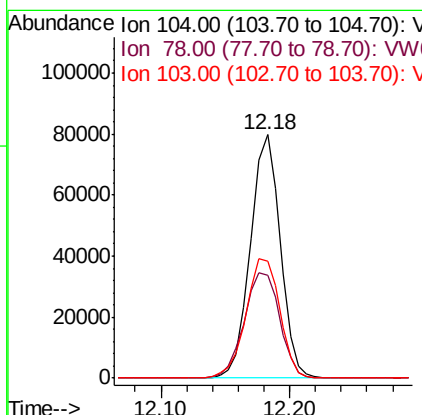
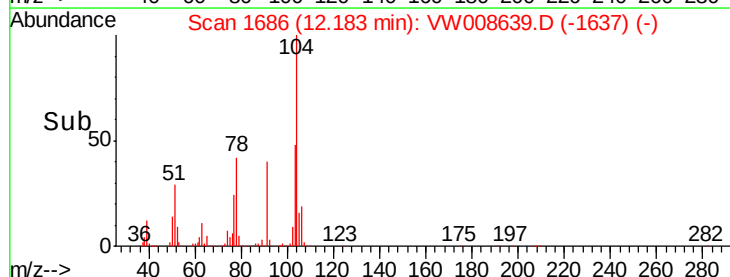
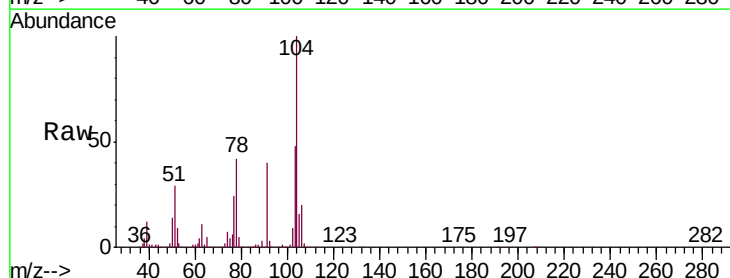
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

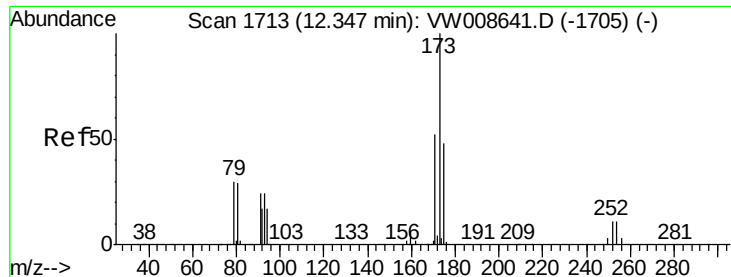
Tgt Ion:106 Resp: 82348
Ion Ratio Lower Upper
106 100
91 211.3 106.7 320.1



#70
Styrene
Concen: 9.395 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008639.D
Acq: 13 Feb 2019 14:45

Tgt Ion:104 Resp: 127441
Ion Ratio Lower Upper
104 100
78 51.9 41.5 62.3
103 55.9 43.5 65.3





#71

Bromoform

Concen: 9.169 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

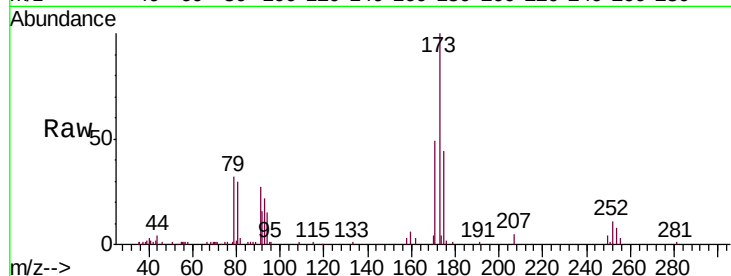
Tgt Ion:173 Resp: 22185

Ion Ratio Lower Upper

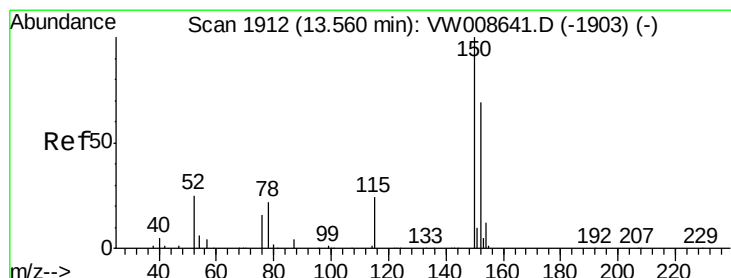
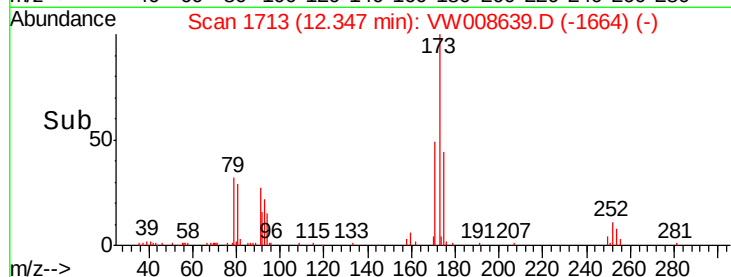
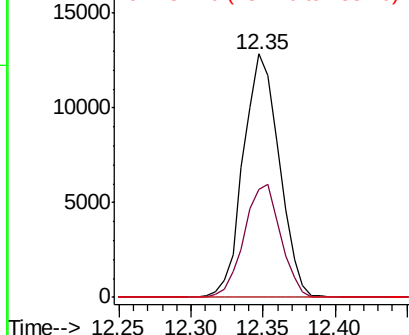
173 100

175 46.9 24.9 74.7

254 0.0 0.1 0.1#



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: VW008639.D

Acq: 13 Feb 2019 14:45

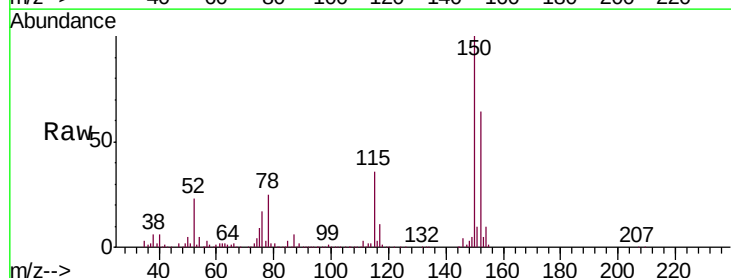
Tgt Ion:152 Resp: 302728

Ion Ratio Lower Upper

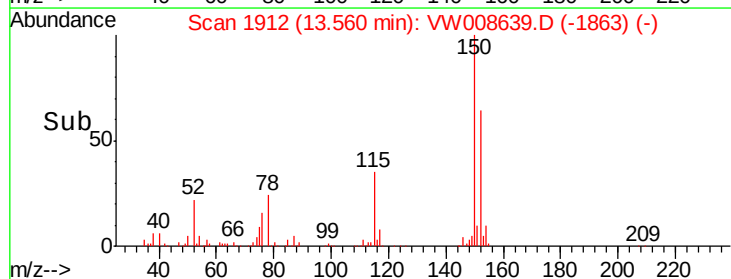
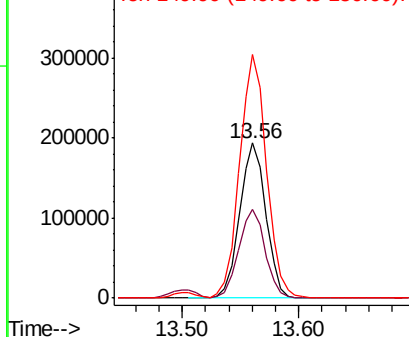
152 100

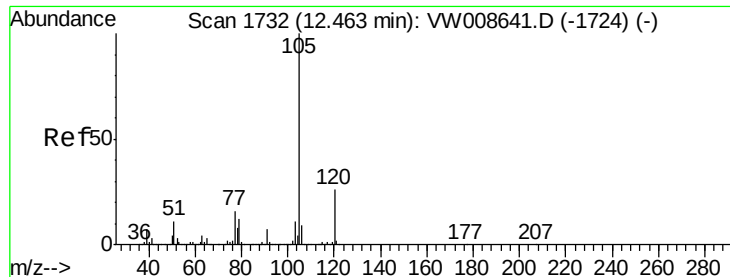
115 57.4 29.3 87.8

150 161.3 0.0 352.8



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





#73

Isopropylbenzene

Concen: 10.140 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

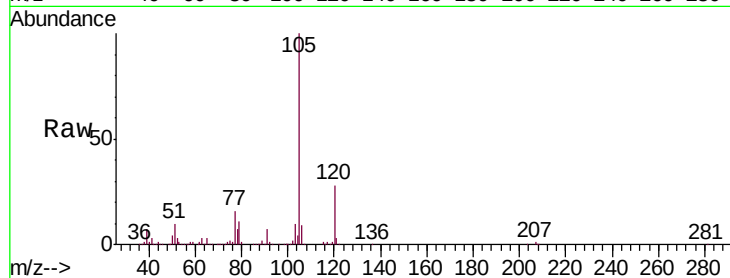
VSTDIC010

Tgt Ion: 105 Resp: 228649

Ion Ratio Lower Upper

105 100

120 27.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

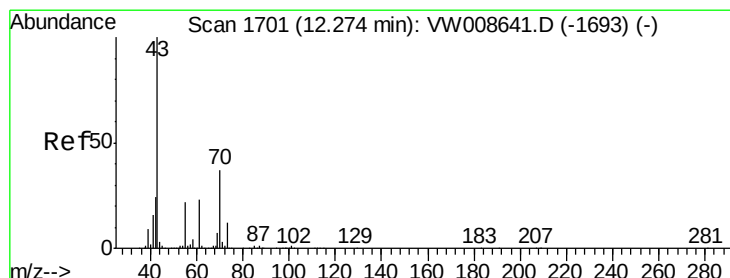
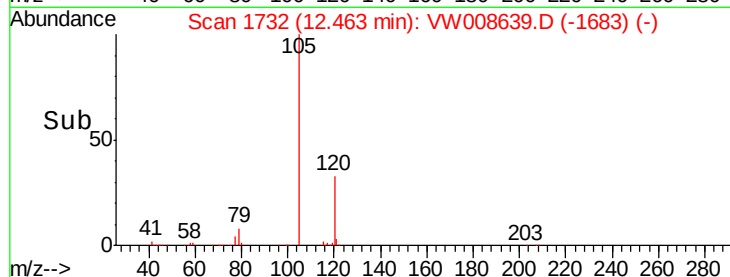
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 9.331 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Tgt Ion: 43 Resp: 56897

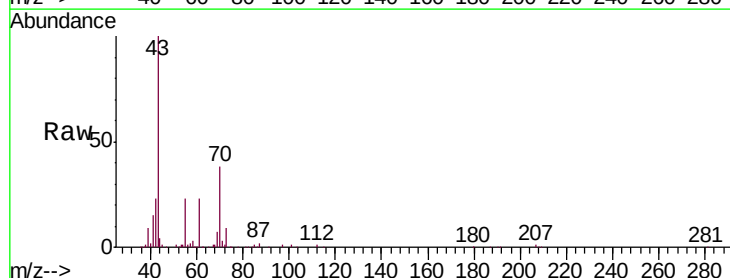
Ion Ratio Lower Upper

43 100

70 37.4 30.5 45.7

55 23.6 17.6 26.4

61 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

50000

40000

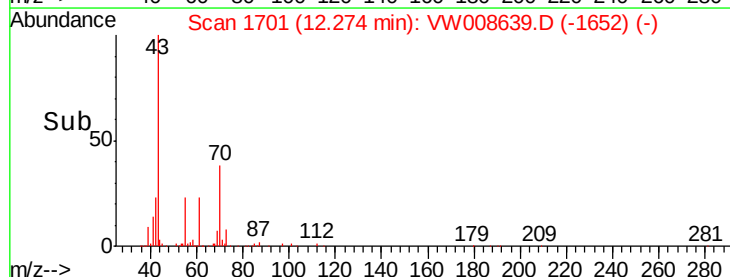
30000

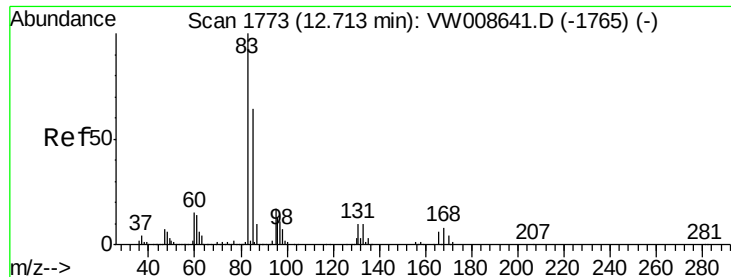
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 9.688 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

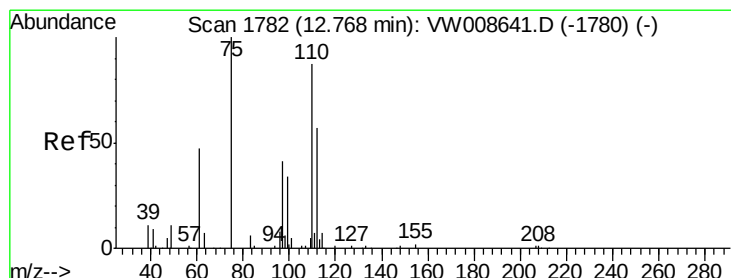
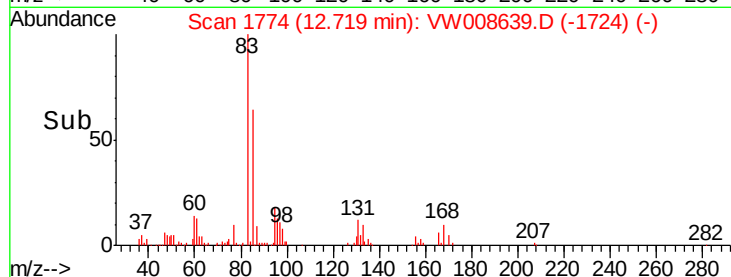
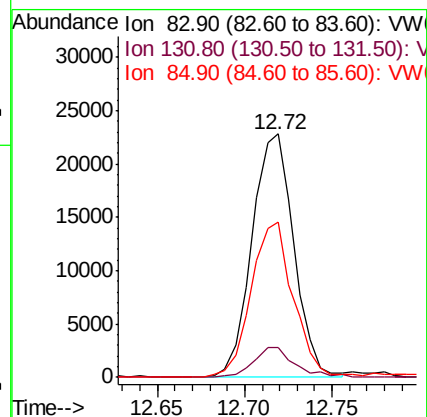
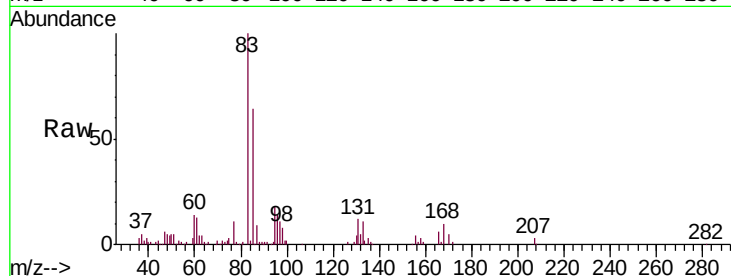
Tgt Ion: 83 Resp: 38010

Ion Ratio Lower Upper

83 100

131 12.3 5.5 16.7

85 63.7 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 14.083 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008639.D

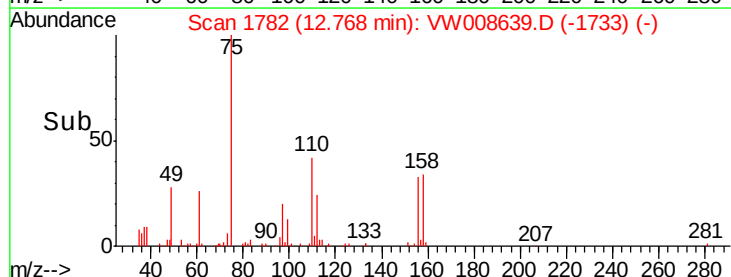
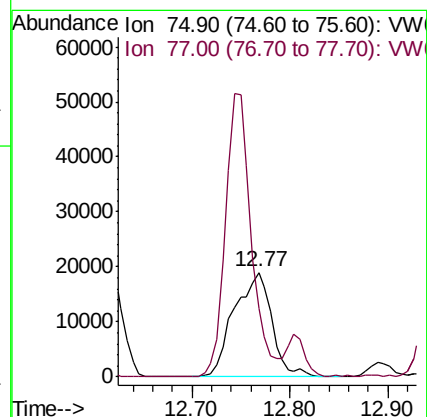
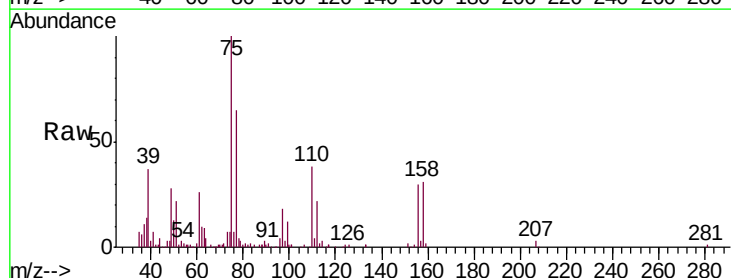
Acq: 13 Feb 2019 14:45

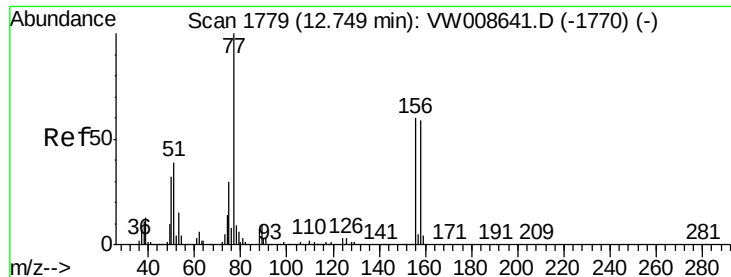
Tgt Ion: 75 Resp: 50884

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 10.238 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

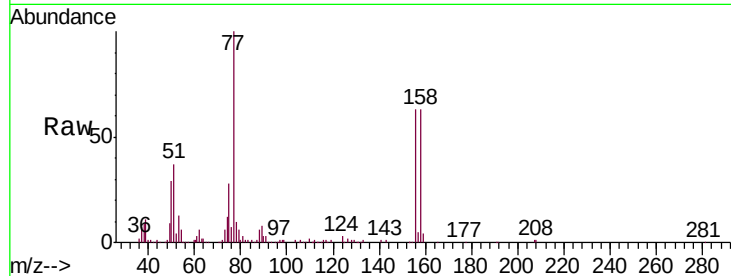
Tgt Ion:156 Resp: 53066

Ion Ratio Lower Upper

156 100

77 177.9 93.2 279.5

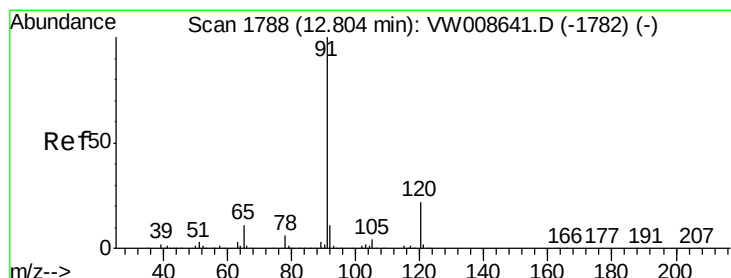
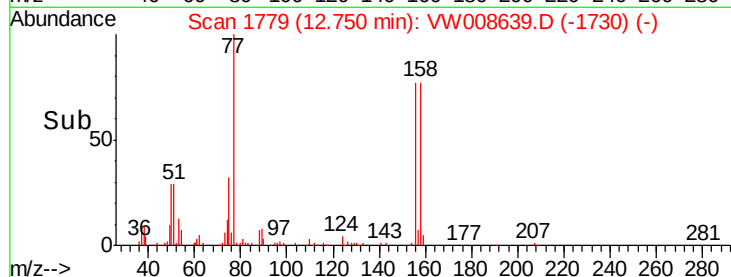
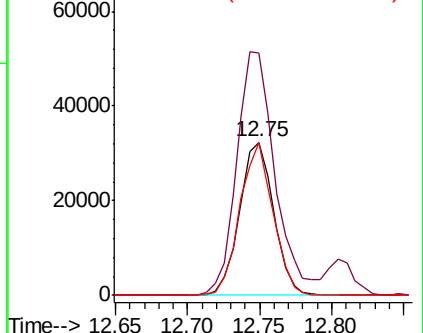
158 96.7 48.5 145.5



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: 10.248 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008639.D

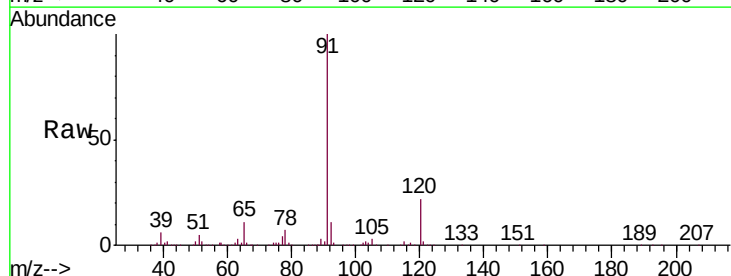
Acq: 13 Feb 2019 14:45

Tgt Ion: 91 Resp: 274578

Ion Ratio Lower Upper

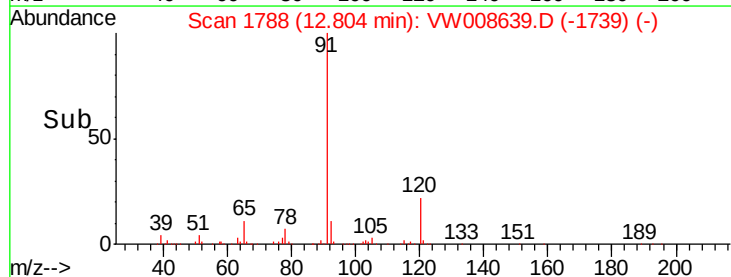
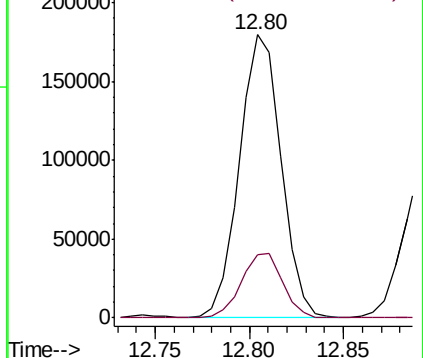
91 100

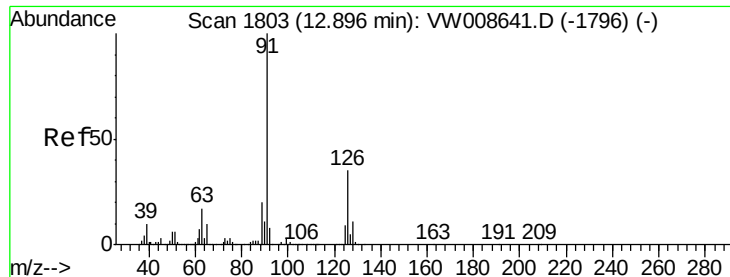
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.174 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

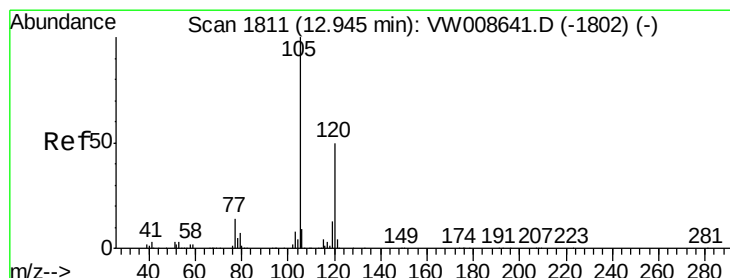
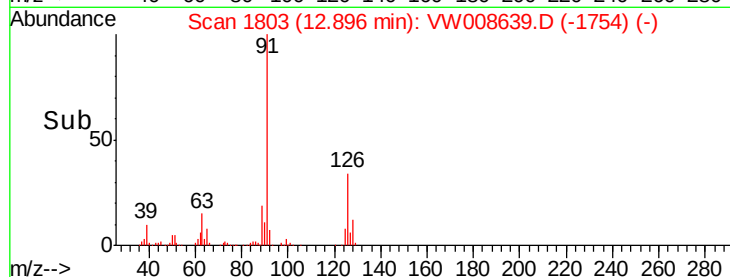
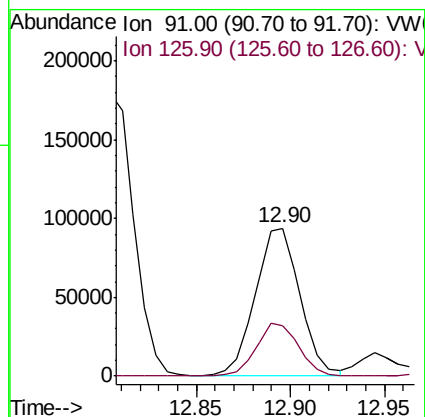
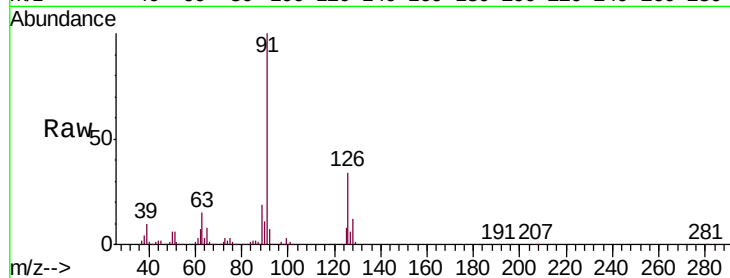
VSTDIC010

Tgt Ion: 91 Resp: 154063

Ion Ratio Lower Upper

91 100

126 34.2 17.0 50.9



#80

1,3,5-Trimethylbenzene

Concen: 10.191 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008639.D

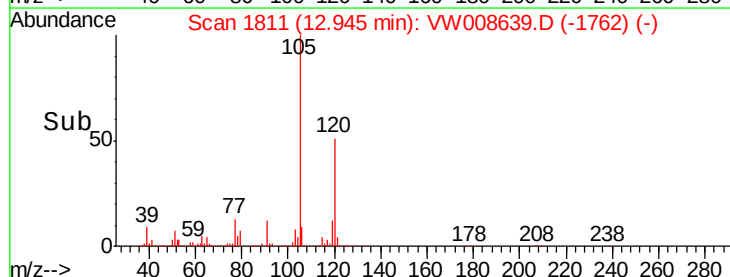
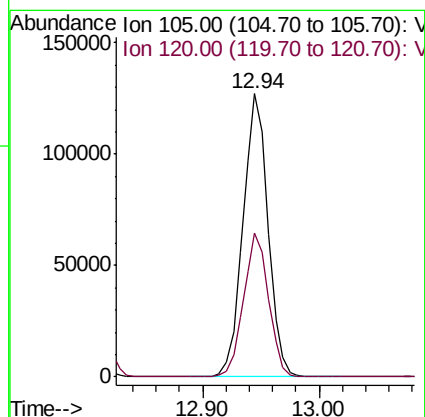
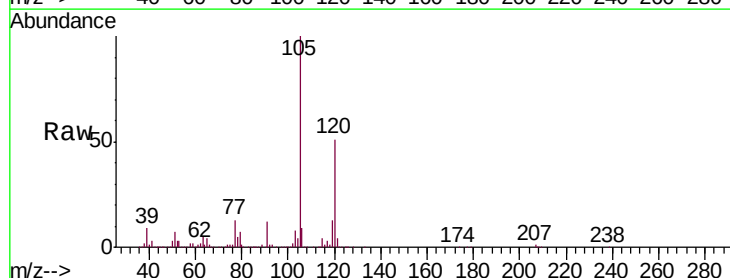
Acq: 13 Feb 2019 14:45

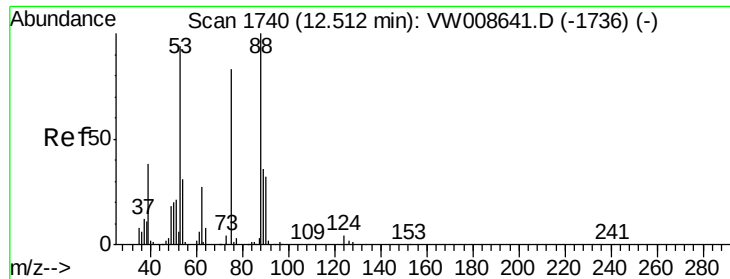
Tgt Ion: 105 Resp: 190870

Ion Ratio Lower Upper

105 100

120 50.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.214 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

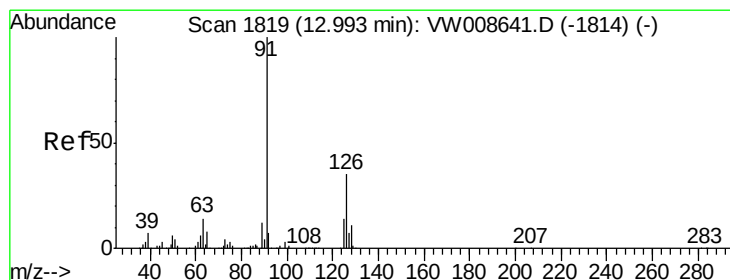
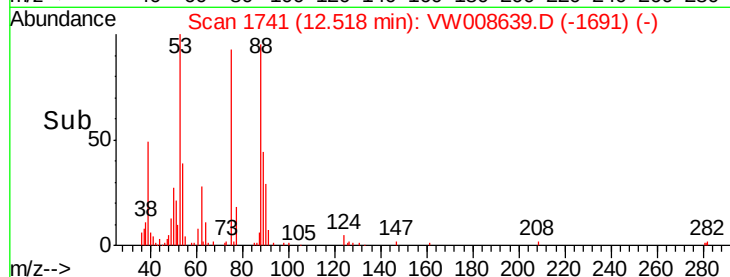
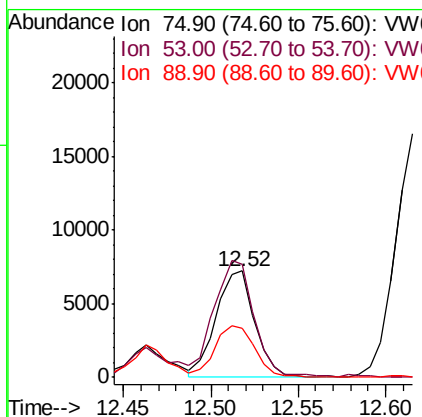
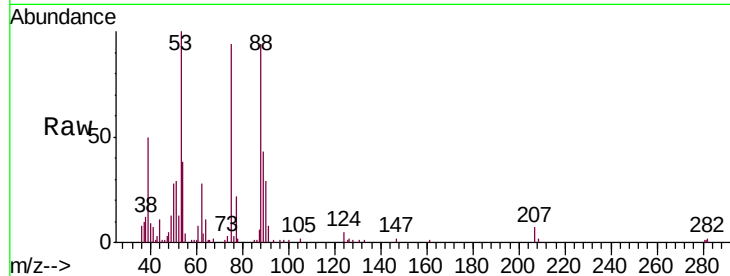
Tgt Ion: 75 Resp: 11268

Ion Ratio Lower Upper

75 100

53 113.3 87.4 131.0

89 49.7 37.0 55.4



#82

4-Chlorotoluene

Concen: 9.928 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008639.D

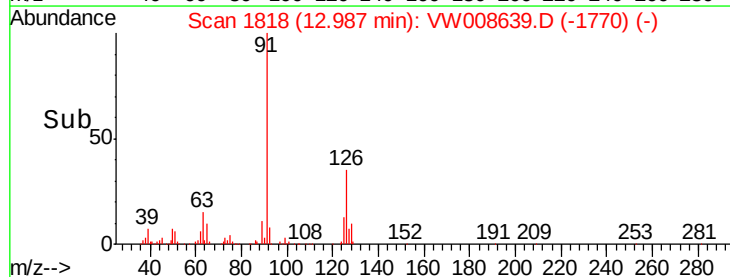
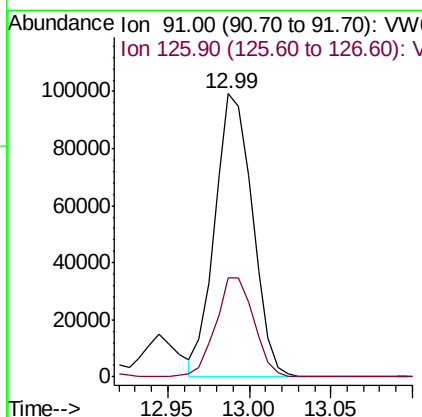
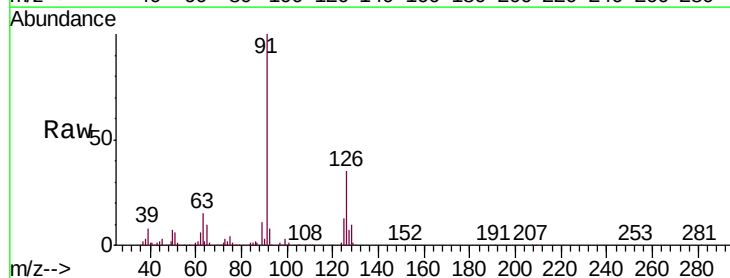
Acq: 13 Feb 2019 14:45

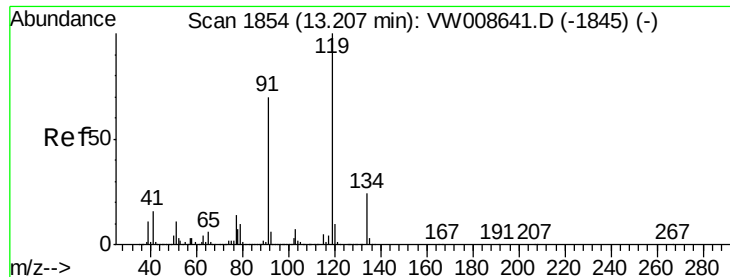
Tgt Ion: 91 Resp: 159321

Ion Ratio Lower Upper

91 100

126 35.7 16.9 50.7





#83

tert-Butylbenzene

Concen: 10.337 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

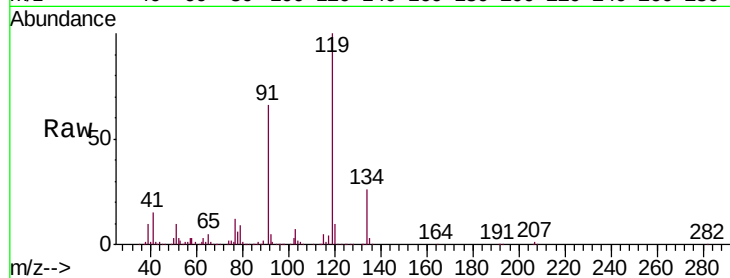
Tgt Ion:119 Resp: 168122

Ion Ratio Lower Upper

119 100

91 67.3 34.0 102.0

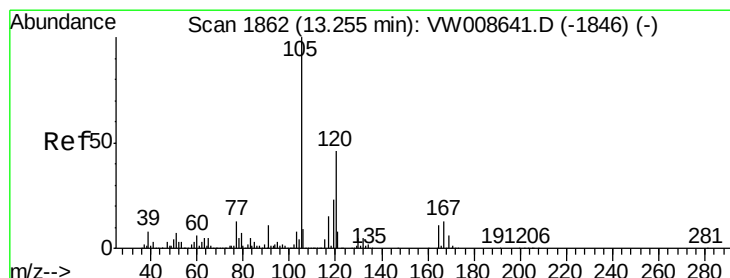
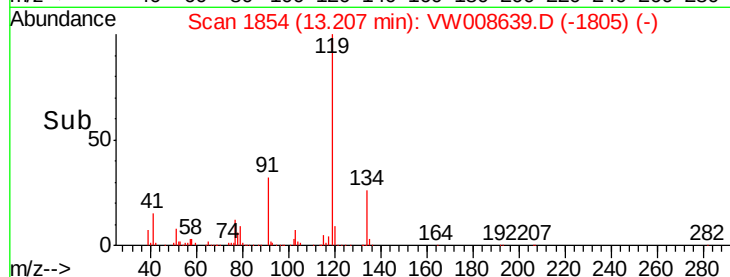
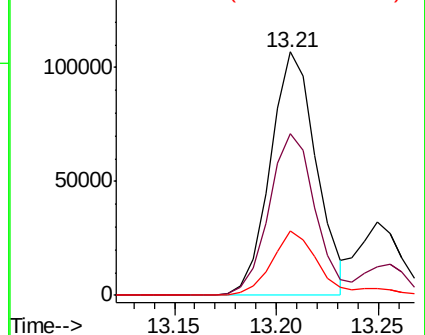
134 28.0 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.113 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008639.D

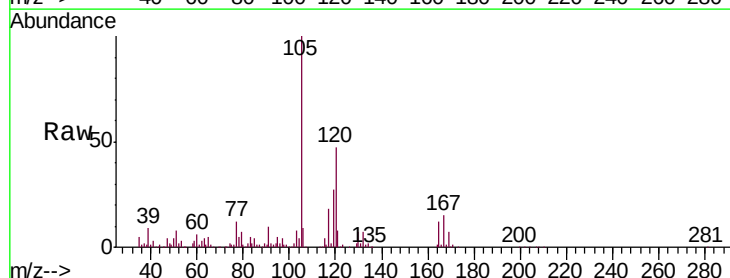
Acq: 13 Feb 2019 14:45

Tgt Ion:105 Resp: 194689

Ion Ratio Lower Upper

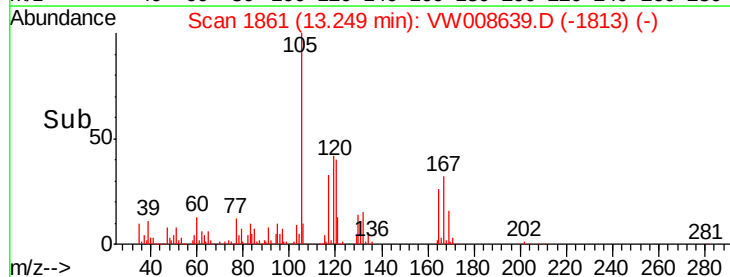
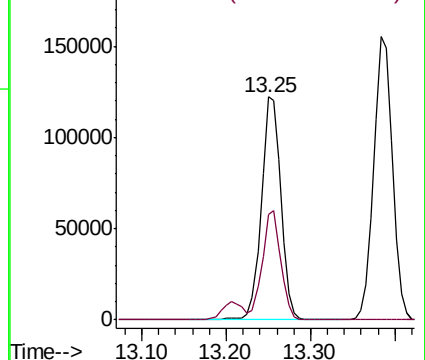
105 100

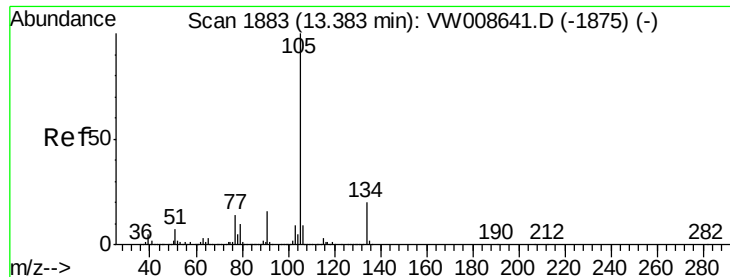
120 46.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 10.140 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

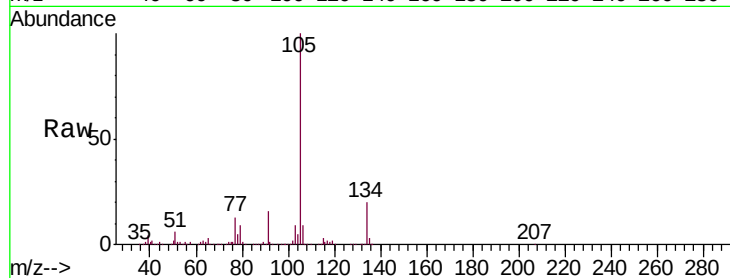
VSTDIC010

Tgt Ion:105 Resp: 240117

Ion Ratio Lower Upper

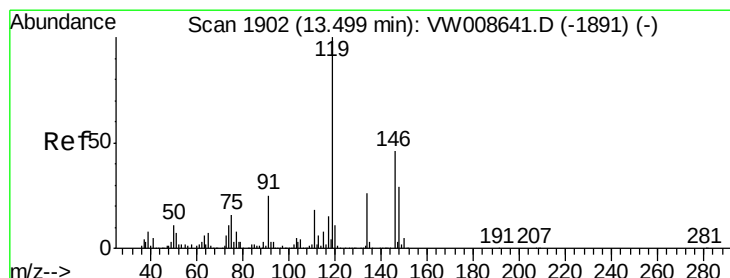
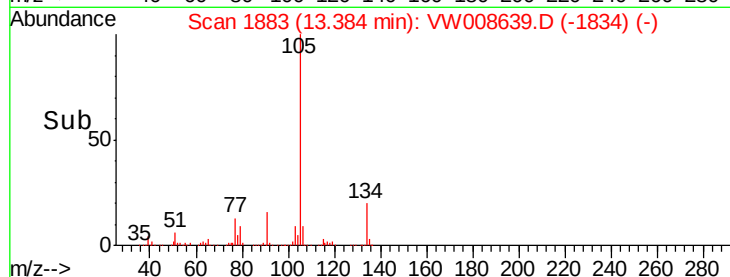
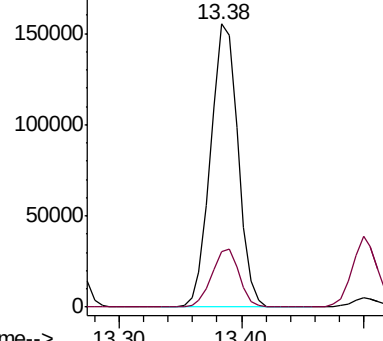
105 100

134 20.5 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 9.908 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

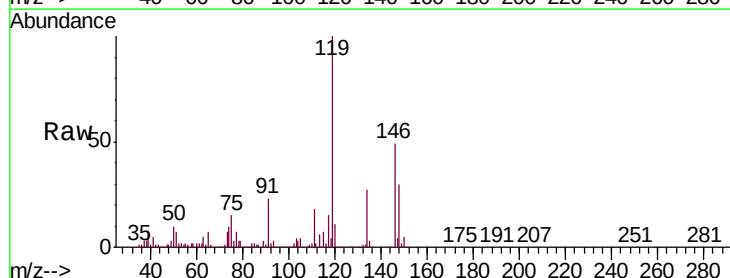
Tgt Ion:119 Resp: 209890

Ion Ratio Lower Upper

119 100

134 27.0 13.0 39.0

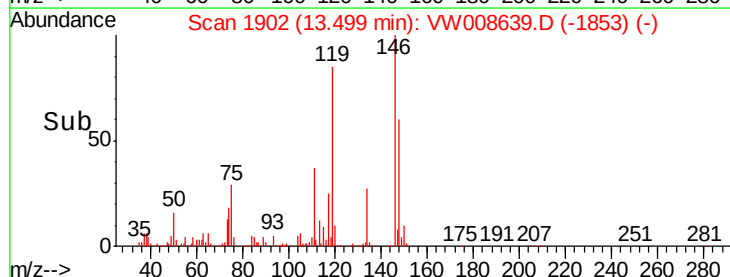
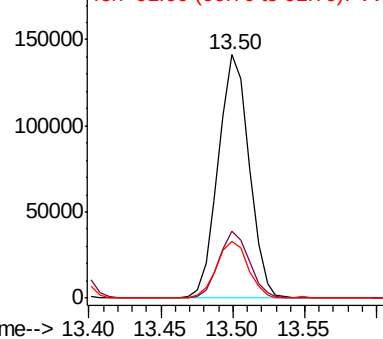
91 23.4 12.3 36.9

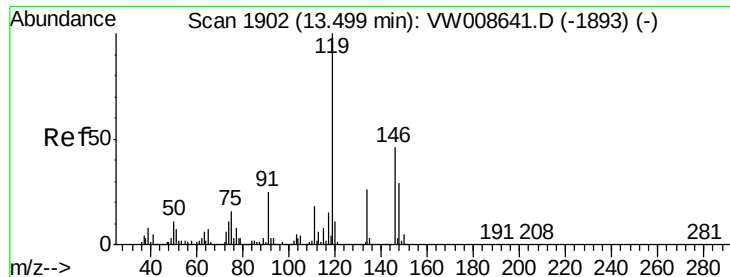


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

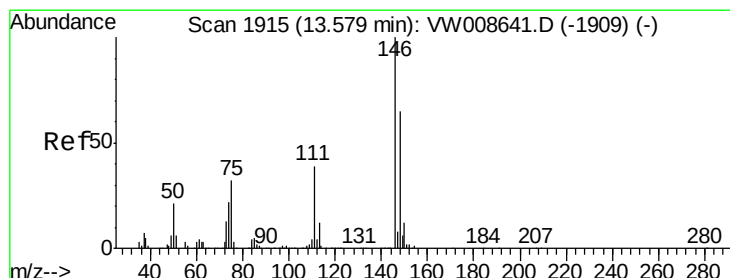
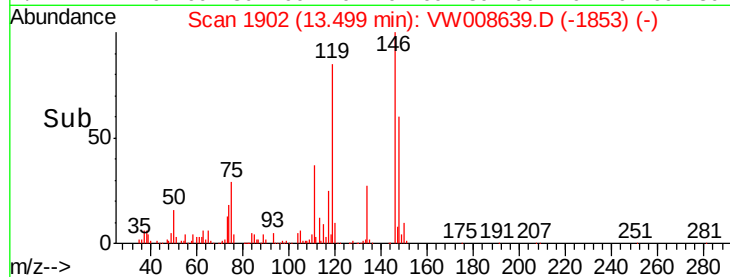
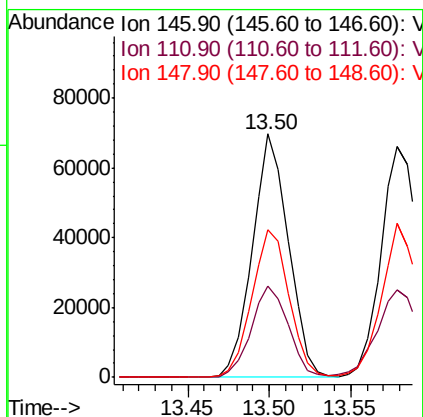
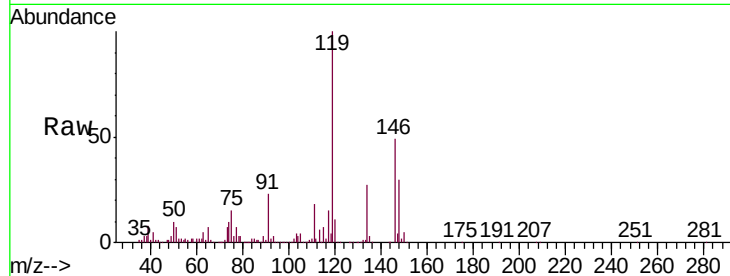




#87
 1,3-Dichlorobenzene
 Concen: 10.215 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

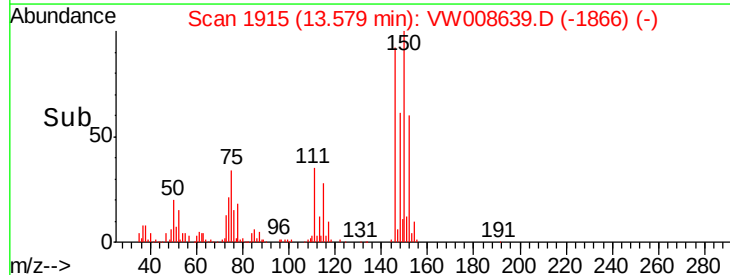
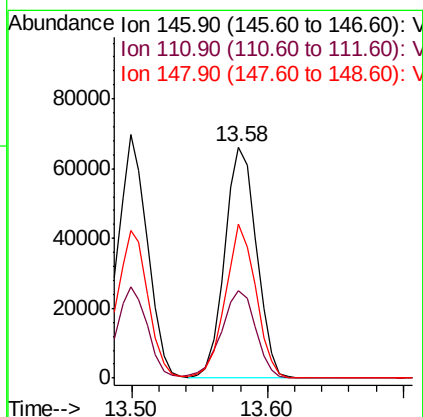
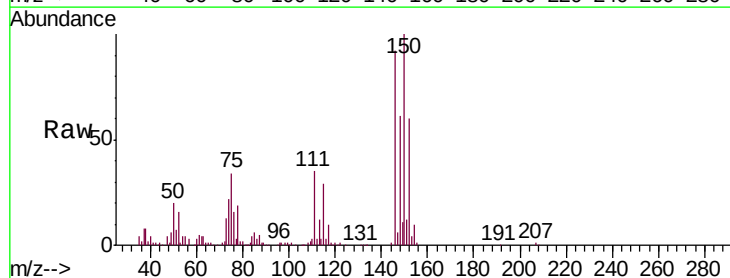
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

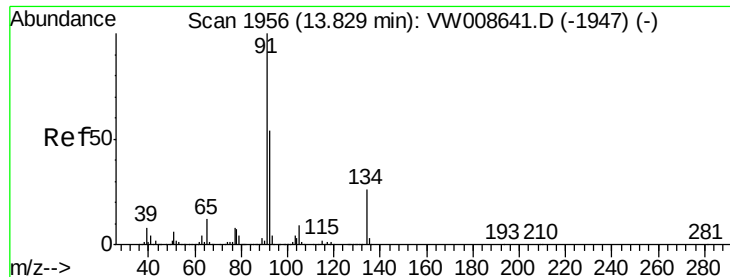
Tgt Ion:146 Resp: 107340
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 62.5 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 10.366 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion:146 Resp: 107354
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.4 58.1
 148 64.4 31.8 95.4





#89

n-Butylbenzene

Concen: 9.973 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

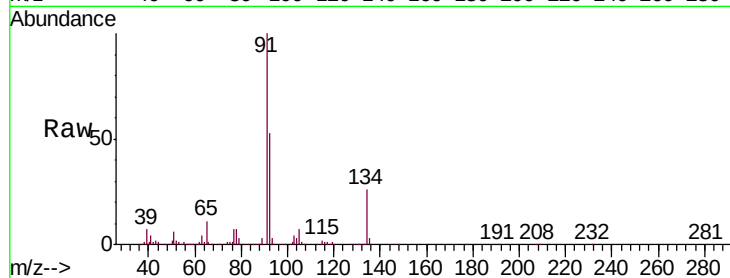
Tgt Ion: 91 Resp: 200774

Ion Ratio Lower Upper

91 100

92 54.2 26.8 80.4

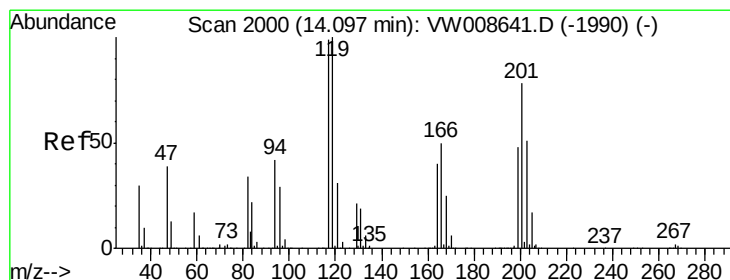
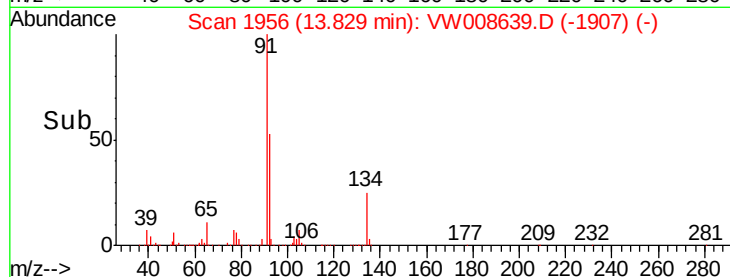
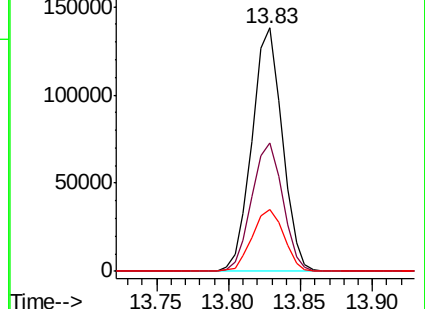
134 26.8 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 9.898 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008639.D

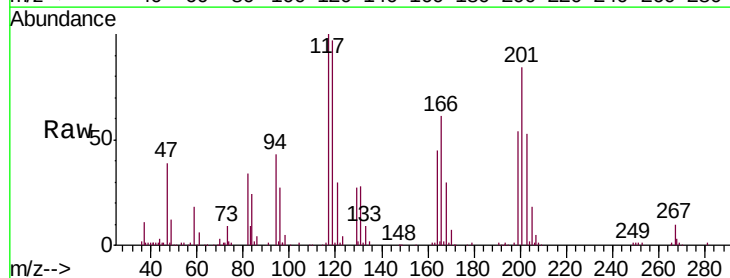
Acq: 13 Feb 2019 14:45

Tgt Ion: 117 Resp: 36635

Ion Ratio Lower Upper

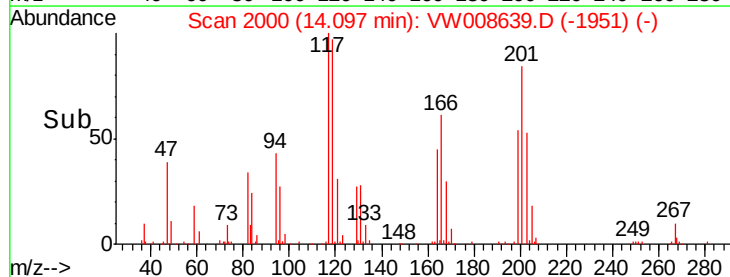
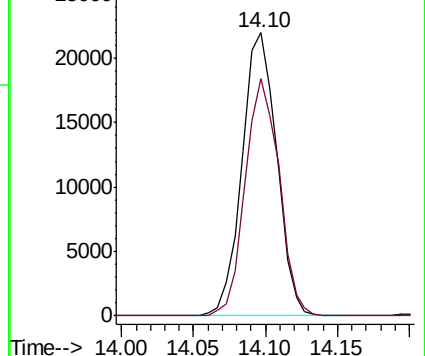
117 100

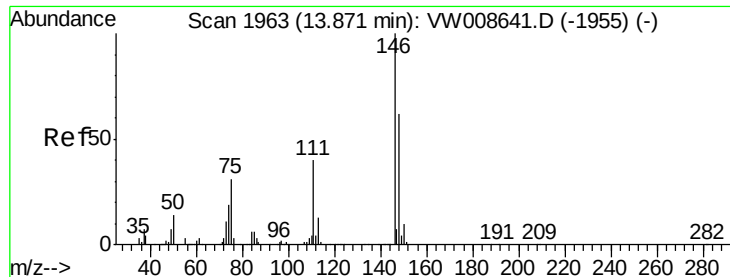
201 81.9 38.7 116.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

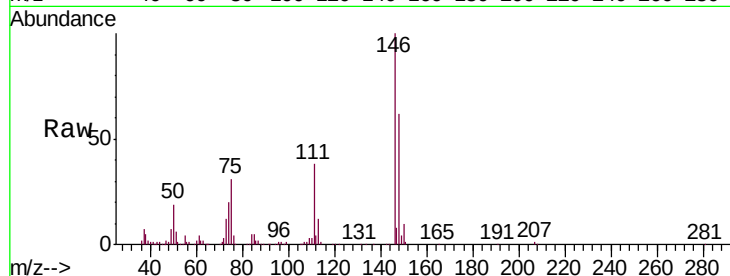




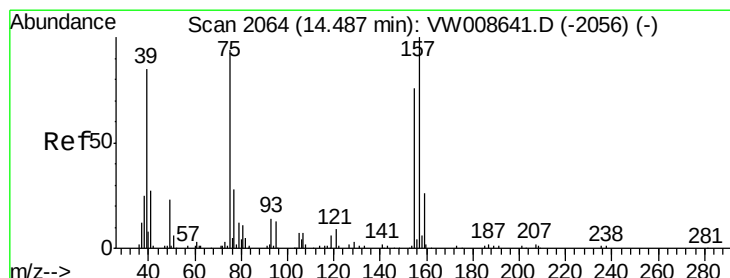
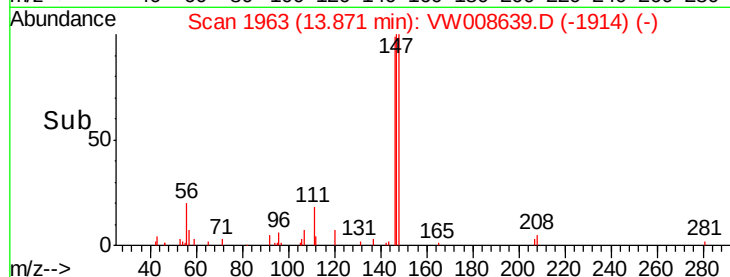
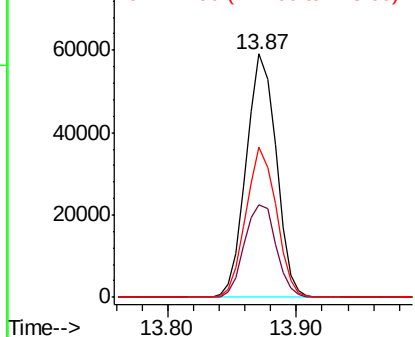
#91
 1,2-Dichlorobenzene
 Concen: 10.256 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.5	61.5
148	62.2	31.6	94.8

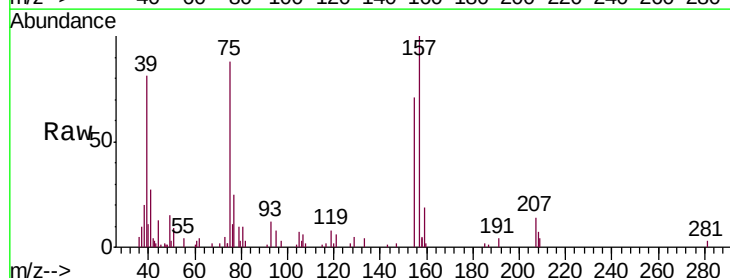


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

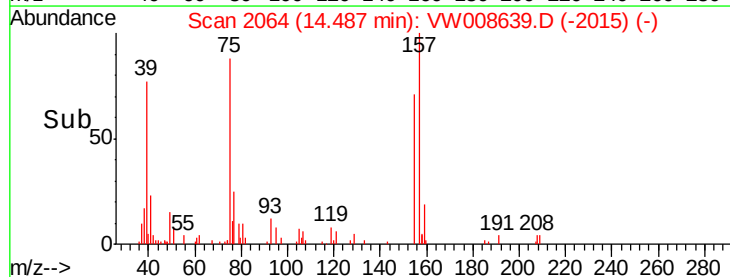
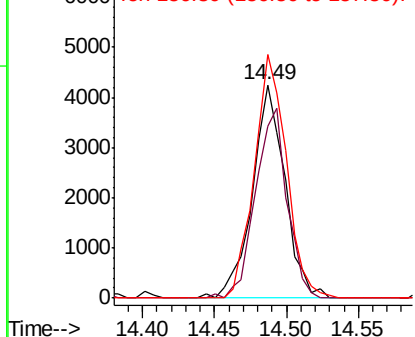


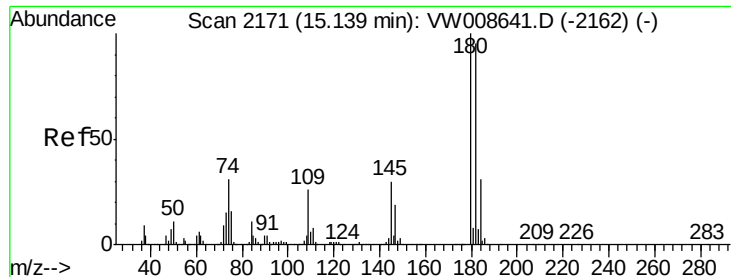
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.701 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	41.8	125.4
157	112.9	53.8	161.4



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

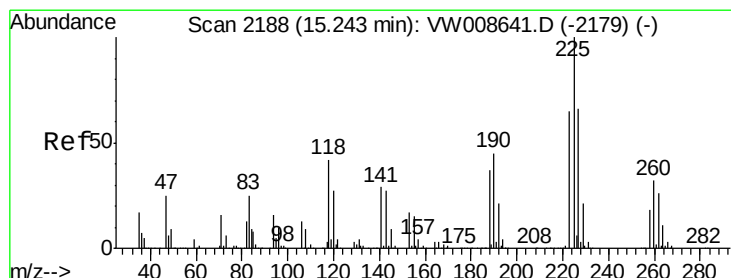
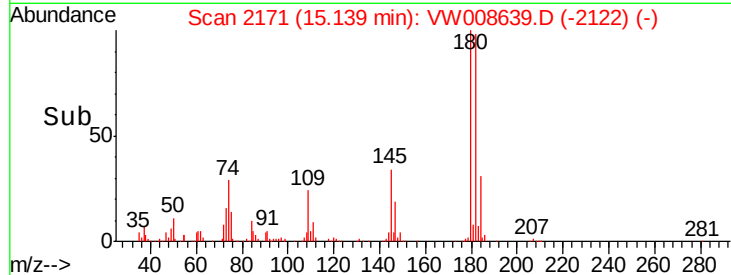
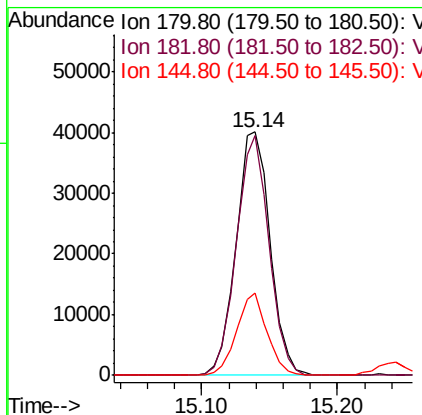
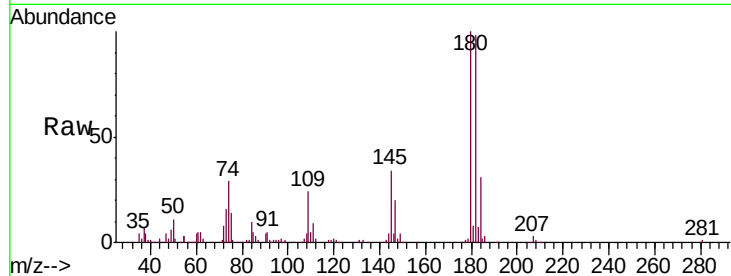




#93
 1,2,4-Trichlorobenzene
 Concen: 10.548 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

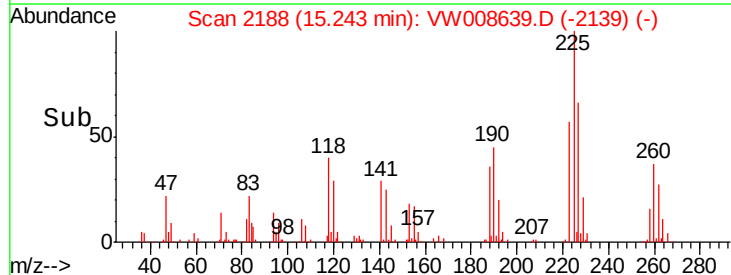
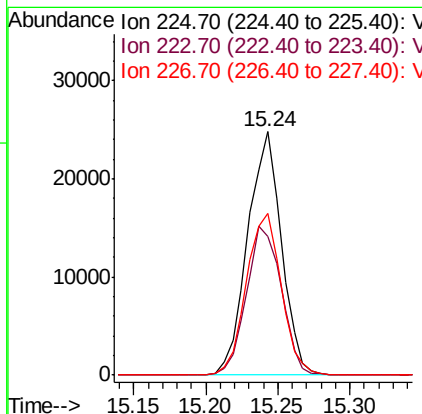
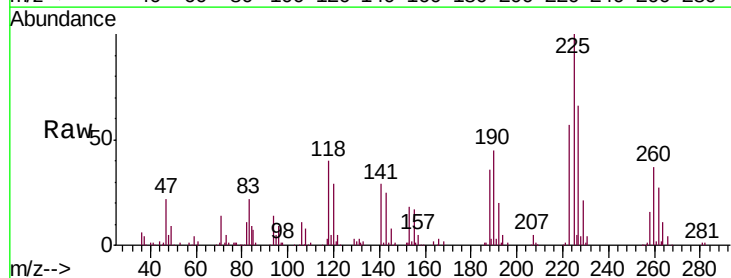
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

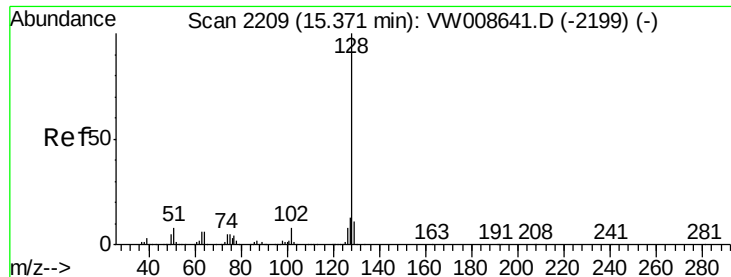
Tgt Ion:180 Resp: 69900
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.5 142.5
 145 30.1 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 10.384 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008639.D
 Acq: 13 Feb 2019 14:45

Tgt Ion:225 Resp: 40056
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.3
 227 68.9 32.4 97.0





#95

Naphthalene

Concen: 10.065 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

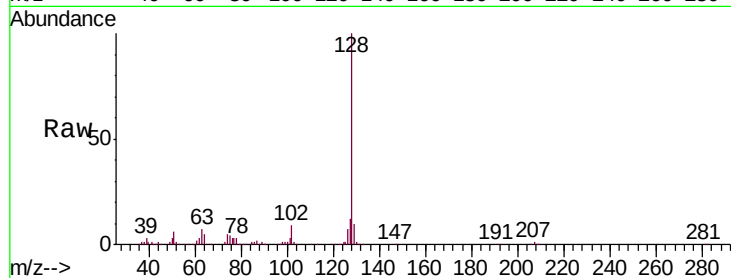
Tgt Ion:128 Resp: 119530

Ion Ratio Lower Upper

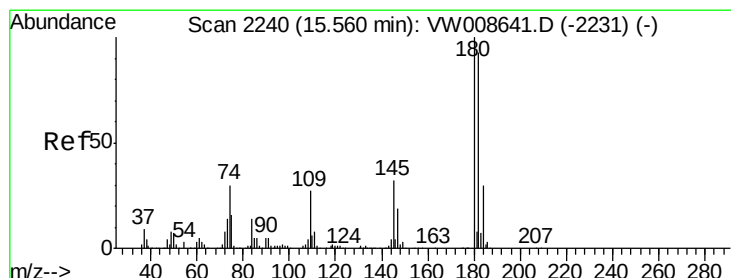
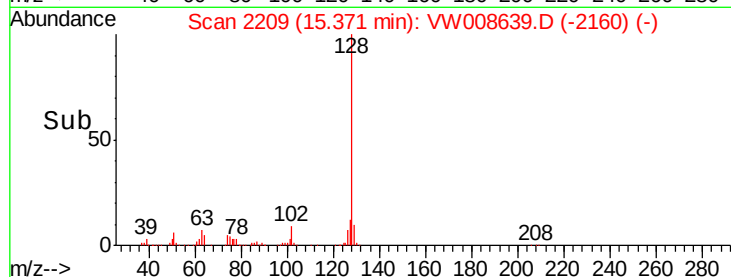
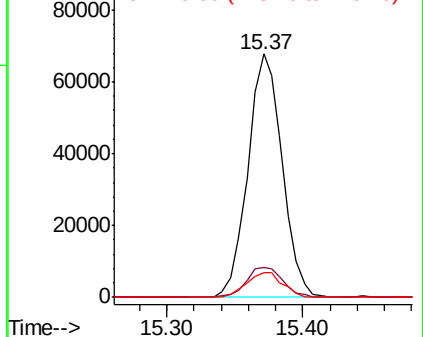
128 100

127 13.5 10.9 16.3

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.305 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW008639.D

Acq: 13 Feb 2019 14:45

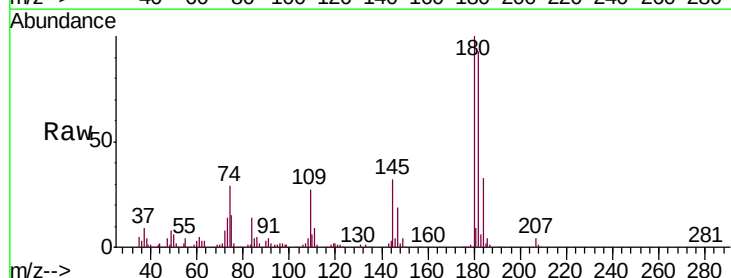
Tgt Ion:180 Resp: 58605

Ion Ratio Lower Upper

180 100

182 95.5 47.5 142.5

145 32.2 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

