

Data File : VW008764.D
Acq On : 21 Feb 2019 11:22
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 22 00:22:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:19:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	481202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	263531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	30785	9.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.20%	
35) Dibromofluoromethane	7.88	113	27184	9.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.82%	
50) Toluene-d8	10.32	98	111210	9.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.94%	
62) 4-Bromofluorobenzene	12.62	95	43691	10.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	34683	10.126	ug/l	98
3) Chloromethane	2.22	50	39017	9.358	ug/l	97
4) Vinyl Chloride	2.35	62	41573	9.417	ug/l	99
5) Bromomethane	2.76	94	30782	9.388	ug/l	96
6) Chloroethane	2.91	64	28661	9.143	ug/l	95
7) Trichlorofluoromethane	3.26	101	52847	9.465	ug/l	93
8) Diethyl Ether	3.69	74	17366	9.825	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31528	9.299	ug/l	99
10) Methyl Iodide	4.27	142	37631	8.876	ug/l	99
11) Tert butyl alcohol	5.17	59	13886	49.846	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	27299	9.117	ug/l	97
13) Acrolein	3.89	56	11277	41.761	ug/l	90
14) Allyl chloride	4.67	41	48761	9.435	ug/l	98
15) Acrylonitrile	5.37	53	36210	47.733	ug/l	98
16) Acetone	4.12	43	35356	47.555	ug/l	91
17) Carbon Disulfide	4.38	76	89963	9.055	ug/l	99
18) Methyl Acetate	4.68	43	16869	9.566	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	75993	9.376	ug/l	99
20) Methylene Chloride	4.92	84	49752	11.350	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	32852	9.485	ug/l	92
22) Diisopropyl ether	6.32	45	96933	9.403	ug/l	99
23) Vinyl Acetate	6.26	43	290193	45.560	ug/l	99
24) 1,1-Dichloroethane	6.22	63	56767	9.503	ug/l	97
25) 2-Butanone	7.17	43	48935	47.079	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51358	9.469	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	35252	9.515	ug/l	96
28) Bromochloromethane	7.51	49	23038	9.216	ug/l	97
29) Tetrahydrofuran	7.54	42	29340	44.294	ug/l	94
30) Chloroform	7.68	83	58771	9.590	ug/l	90
31) Cyclohexane	7.95	56	59827	9.894	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	52451	9.411	ug/l	98
36) 1,1-Dichloropropene	8.09	75	45367	9.685	ug/l	99
37) Ethyl Acetate	7.26	43	21107	9.690	ug/l	98
38) Carbon Tetrachloride	8.07	117	47941	9.705	ug/l	97

Data File : VW008764.D
Acq On : 21 Feb 2019 11:22
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 22 00:22:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:19:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	55369	9.477	ug/l	94
40) Benzene	8.32	78	126889	9.921	ug/l	97
41) Methacrylonitrile	7.48	41	10956	8.557	ug/l	96
42) 1,2-Dichloroethane	8.40	62	39265	9.692	ug/l	99
43) Isopropyl Acetate	8.43	43	41849	9.626	ug/l	100
44) Trichloroethene	9.09	130	35541	9.865	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30325	9.595	ug/l	91
46) Dibromomethane	9.46	93	16923	9.627	ug/l	99
47) Bromodichloromethane	9.64	83	41230	9.640	ug/l	95
48) Methyl methacrylate	9.44	41	18266	8.773	ug/l	89
49) 1,4-Dioxane	9.45	88	5438	193.166	ug/l	87
51) 4-Methyl-2-Pentanone	10.21	43	104440	47.319	ug/l	99
52) Toluene	10.39	92	85522	9.853	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	40346	9.255	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	47147	9.482	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	22937	9.621	ug/l	97
56) Ethyl methacrylate	10.65	69	29267	9.449	ug/l	97
57) 1,3-Dichloropropane	10.93	76	41018	9.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	82806	53.155	ug/l	99
59) 2-Hexanone	10.97	43	75292	47.922	ug/l	98
60) Dibromochloromethane	11.13	129	27437	9.435	ug/l	98
61) 1,2-Dibromoethane	11.23	107	23716	10.050	ug/l	95
64) Tetrachloroethene	10.86	164	33325	10.026	ug/l	95
65) Chlorobenzene	11.66	112	98789	10.118	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	32782	9.930	ug/l	99
67) Ethyl Benzene	11.73	91	171369	9.818	ug/l	100
68) m/p-Xylenes	11.84	106	137096	19.658	ug/l	99
69) o-Xylene	12.16	106	63533	9.706	ug/l	100
70) Styrene	12.18	104	100667	9.559	ug/l	99
71) Bromoform	12.35	173	16587	9.347	ug/l #	98
73) Isopropylbenzene	12.46	105	171148	9.473	ug/l	99
74) N-amyl acetate	12.27	43	41757	9.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27709	9.387	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	37008	16.232	ug/l #	100
77) Bromobenzene	12.75	156	42682	9.998	ug/l	97
78) n-propylbenzene	12.80	91	211077	9.551	ug/l	99
79) 2-Chlorotoluene	12.89	91	121288	9.667	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	150603	9.593	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8089	9.038	ug/l	97
82) 4-Chlorotoluene	12.99	91	127643	9.654	ug/l	98
83) tert-Butylbenzene	13.21	119	135966	10.016	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	156572	9.634	ug/l	98
85) sec-Butylbenzene	13.38	105	185288	9.492	ug/l	100
86) p-Isopropyltoluene	13.50	119	168280	9.404	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	85497	9.652	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87235	9.993	ug/l	97
89) n-Butylbenzene	13.83	91	156152	9.315	ug/l	98
90) Hexachloroethane	14.10	117	27345	9.335	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	79903	10.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5108	9.566	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022119\
Quantitation Report (Not Reviewed)

Data File : VW008764.D
Acq On : 21 Feb 2019 11:22
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 22 00:22:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:19:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57228	10.064	ug/l	98
94) Hexachlorobutadiene	15.24	225	33278	9.935	ug/l	99
95) Naphthalene	15.37	128	91831	9.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	49335	10.034	ug/l	99

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

Data File : VW008764.D

Acq On : 21 Feb 2019 11:22

Operator : SY/VA

Sample : VSTDICC010

Misc : 5.00G/5ML/MSVOA W/SOIL

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

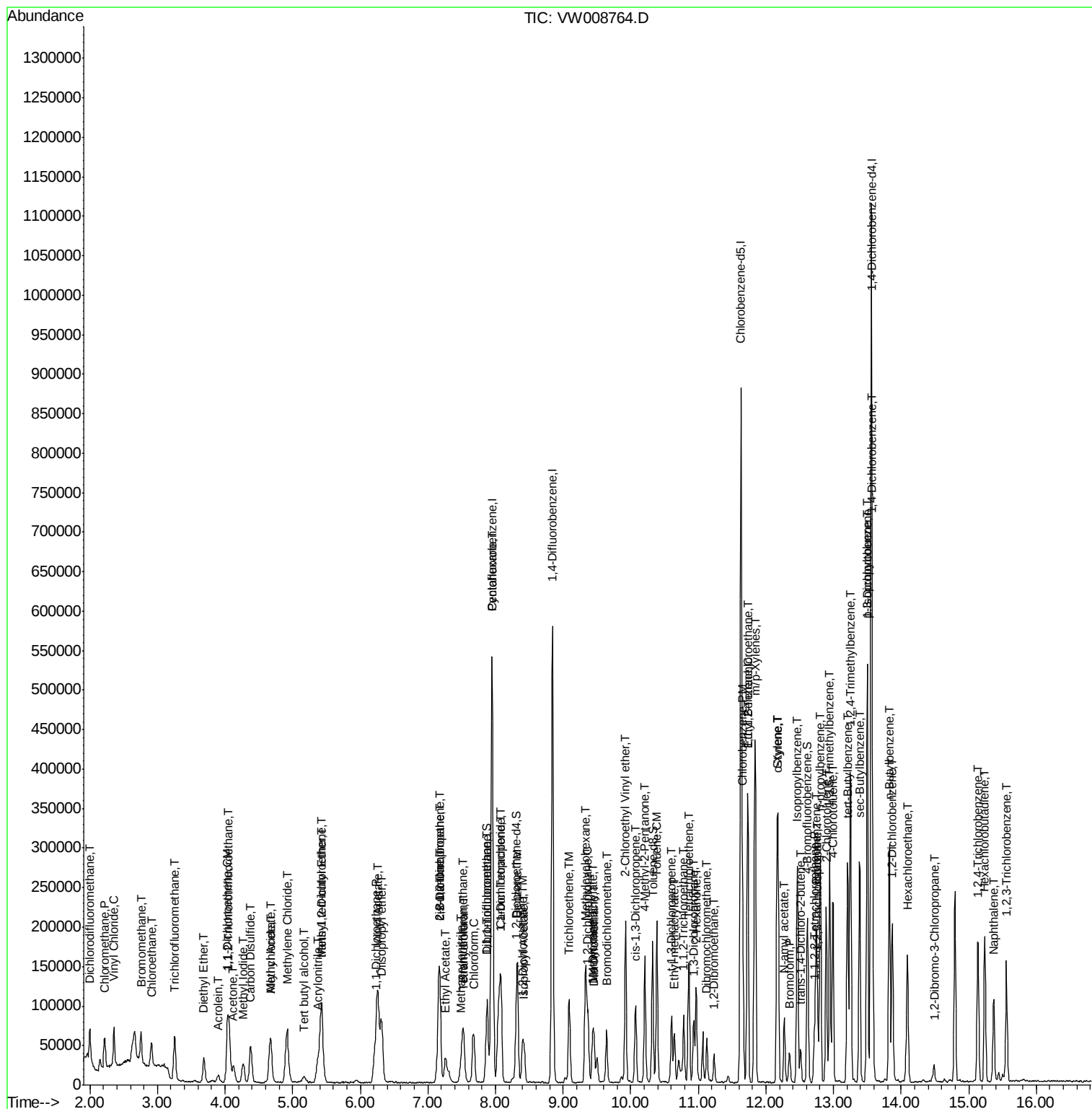
Quant Time: Feb 22 00:22:51 2019

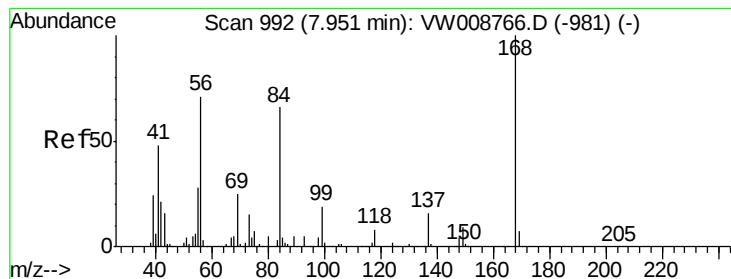
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W022119S.M

Quant Title : SW846 8260

QLast Update : Fri Feb 22 00:19:35 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

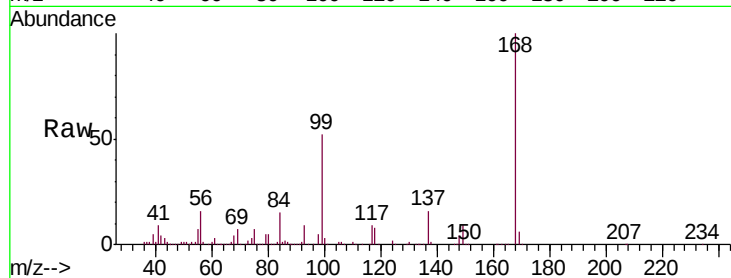
VSTDIC010

Tgt Ion:168 Resp: 341986

Ion Ratio Lower Upper

168 100

99 51.9 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

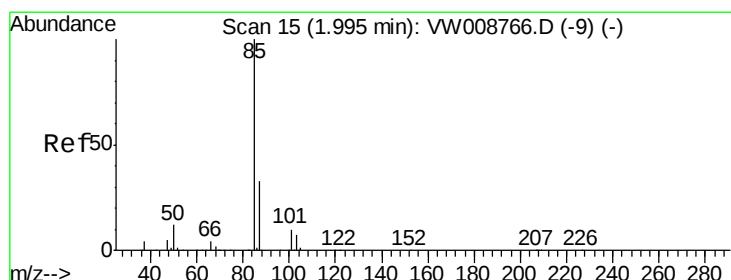
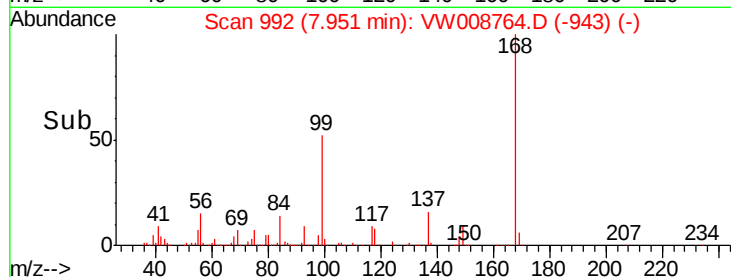
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 10.126 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008764.D

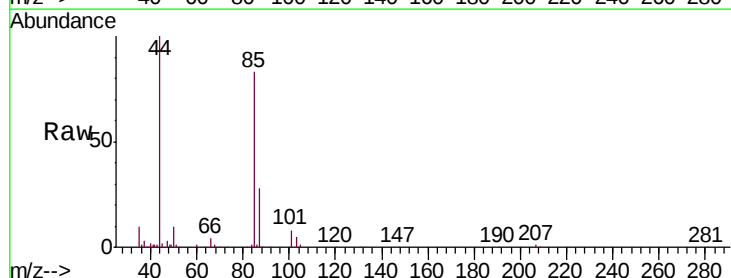
Acq: 21 Feb 2019 11:22

Tgt Ion: 85 Resp: 34683

Ion Ratio Lower Upper

85 100

87 33.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

25000

20000

15000

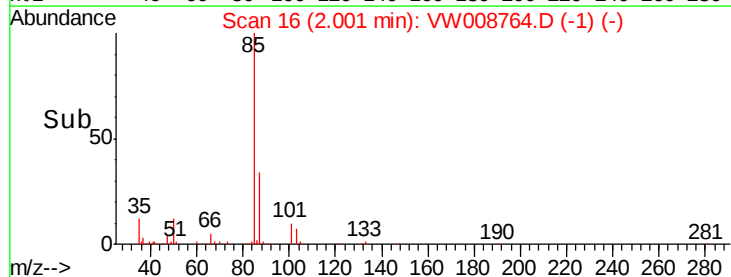
10000

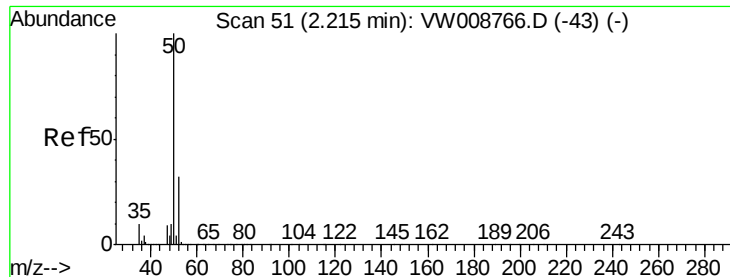
5000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 9.358 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

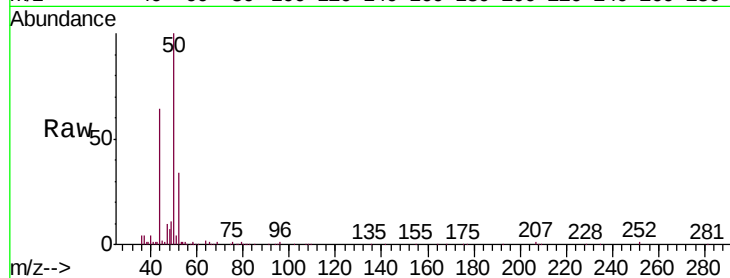
VSTDIC010

Tgt Ion: 50 Resp: 39017

Ion Ratio Lower Upper

50 100

52 34.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

25000

20000

15000

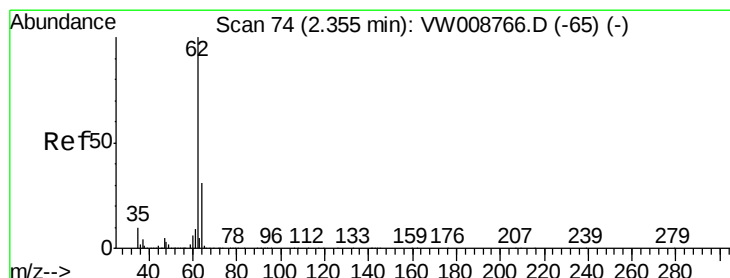
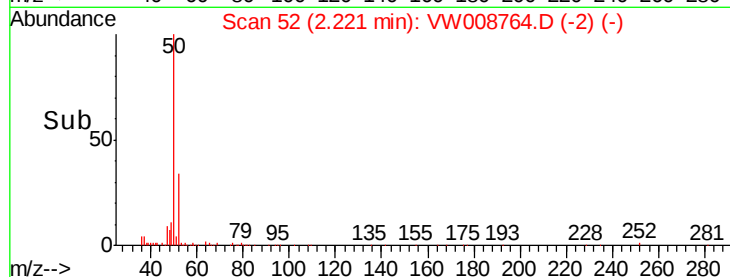
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 9.417 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008764.D

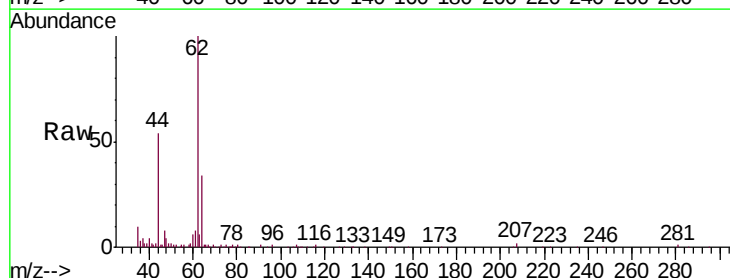
Acq: 21 Feb 2019 11:22

Tgt Ion: 62 Resp: 41573

Ion Ratio Lower Upper

62 100

64 31.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

30000

25000

20000

15000

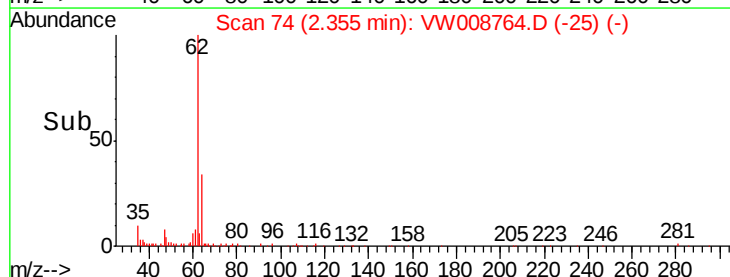
10000

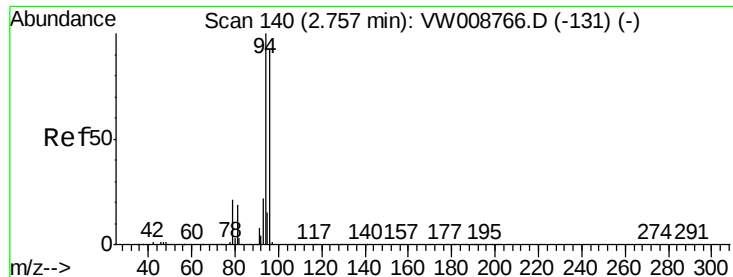
5000

0

Time-->

2.30 2.40 2.50





#5

Bromomethane

Concen: 9.388 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

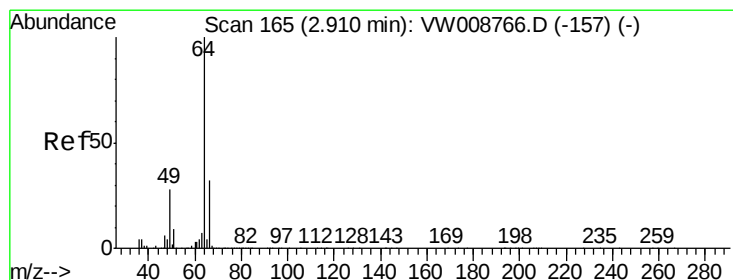
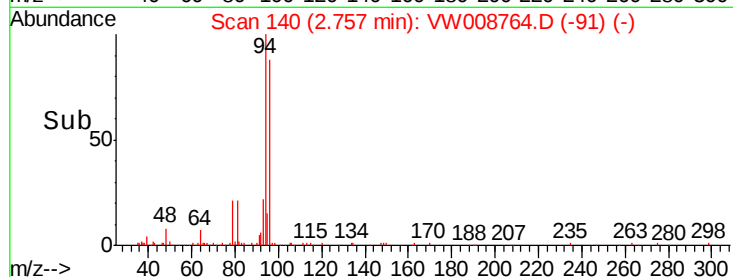
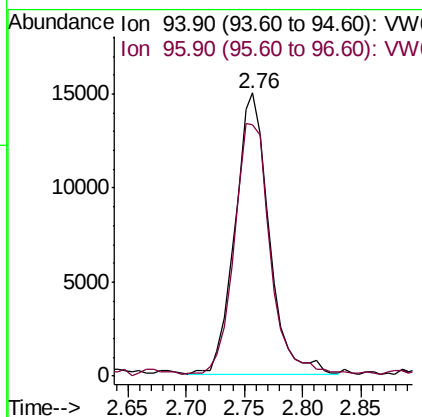
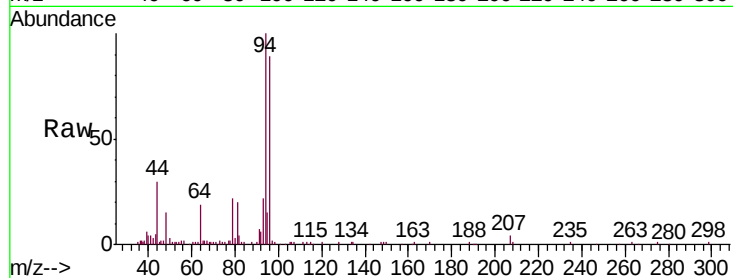
VSTDIC010

Tgt Ion: 94 Resp: 30782

Ion Ratio Lower Upper

94 100

96 87.8 73.4 110.2



#6

Chloroethane

Concen: 9.143 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW008764.D

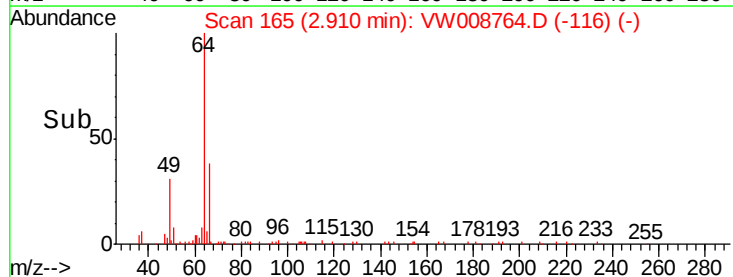
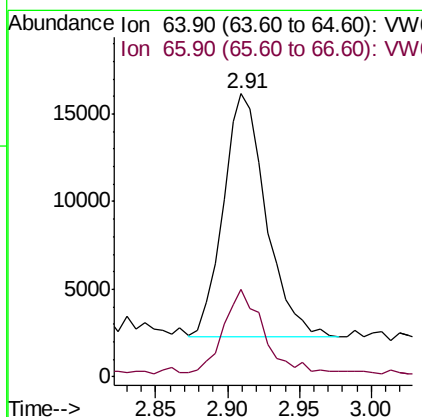
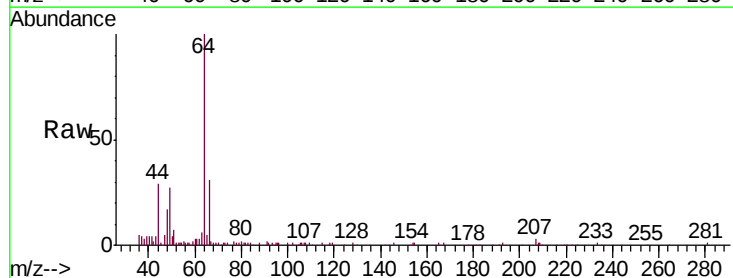
Acq: 21 Feb 2019 11:22

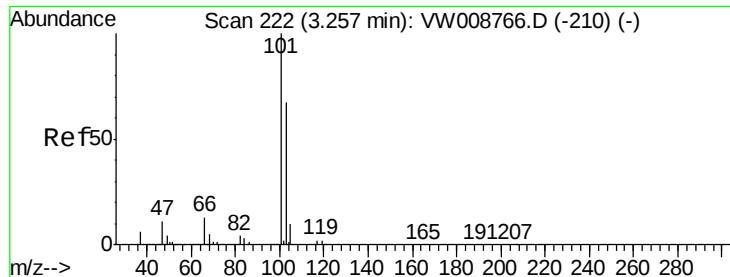
Tgt Ion: 64 Resp: 28661

Ion Ratio Lower Upper

64 100

66 34.5 25.5 38.3



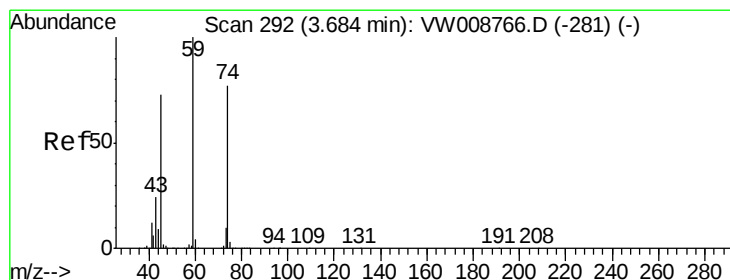
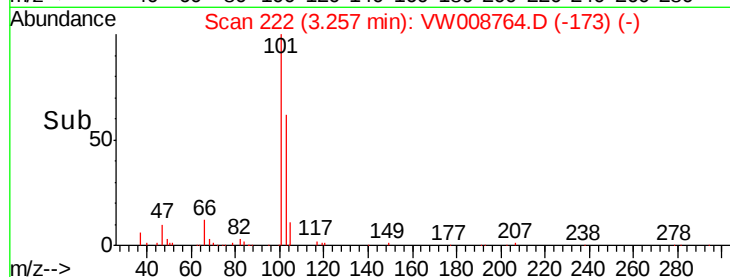
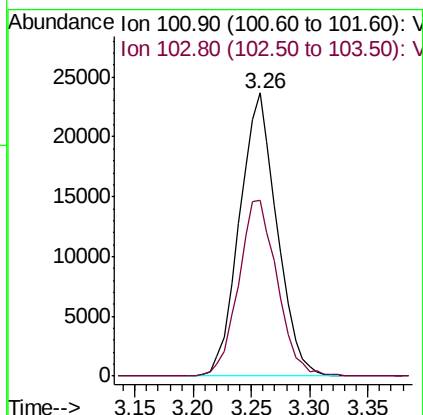
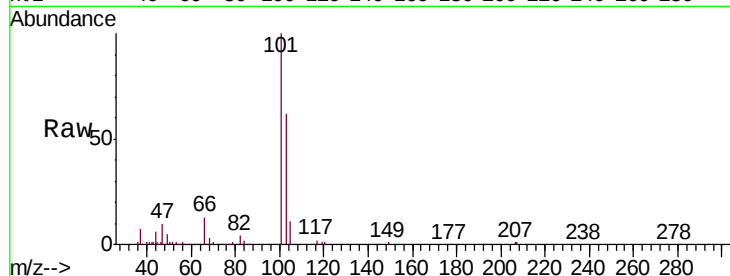


#7

Trichlorofluoromethane
 Concen: 9.465 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

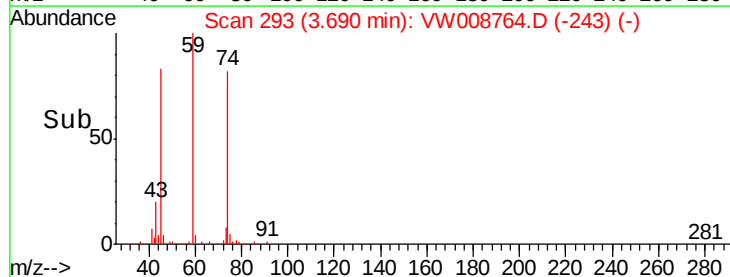
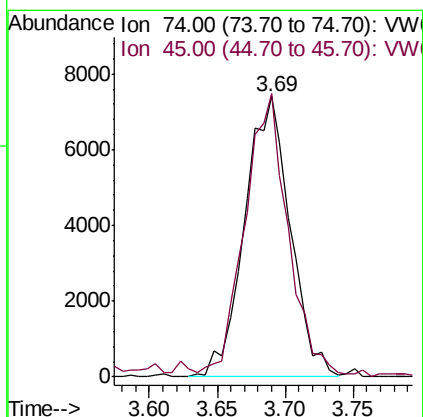
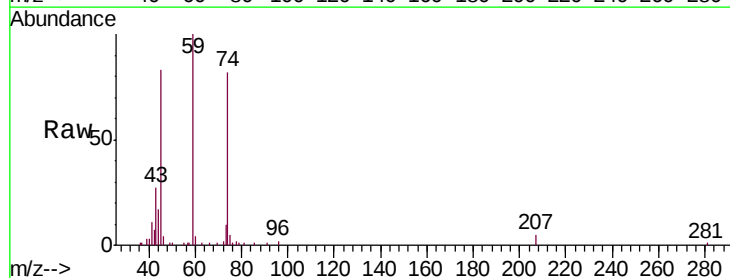
Tgt Ion:101 Resp: 52847
 Ion Ratio Lower Upper
 101 100
 103 62.0 53.9 80.9

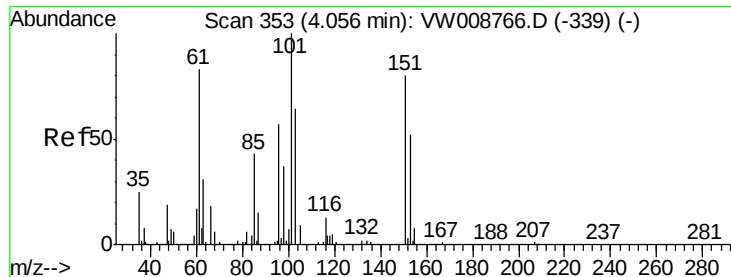


#8

Diethyl Ether
 Concen: 9.825 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion: 74 Resp: 17366
 Ion Ratio Lower Upper
 74 100
 45 94.1 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.299 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

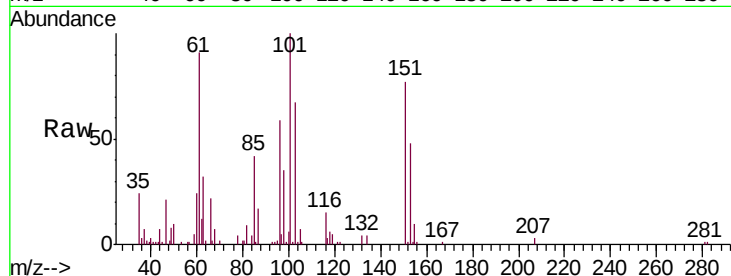
Tgt Ion:101 Resp: 31528

Ion Ratio Lower Upper

101 100

85 45.3 36.0 54.0

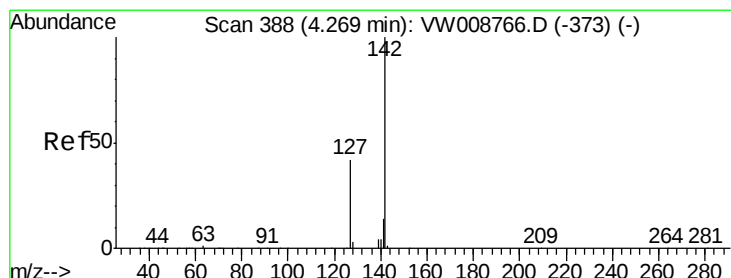
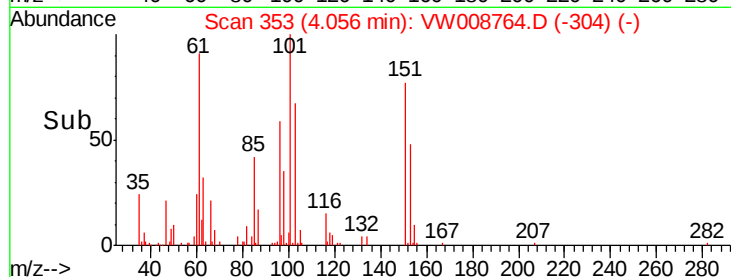
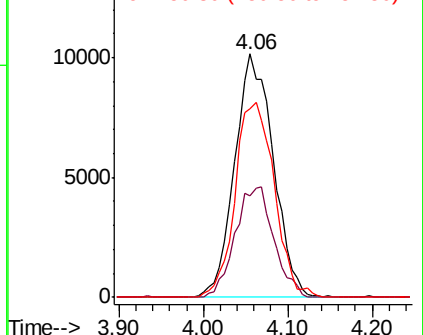
151 81.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.876 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

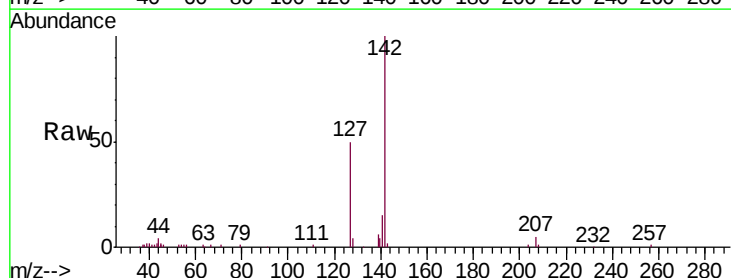
Tgt Ion:142 Resp: 37631

Ion Ratio Lower Upper

142 100

127 44.0 35.3 52.9

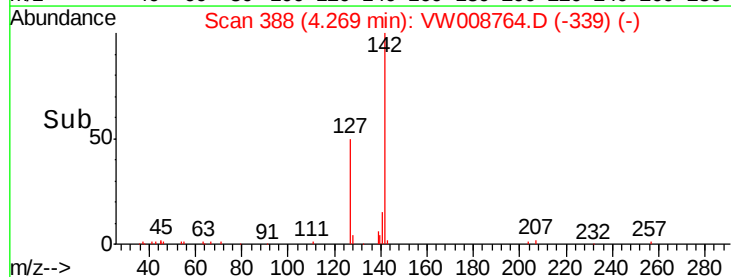
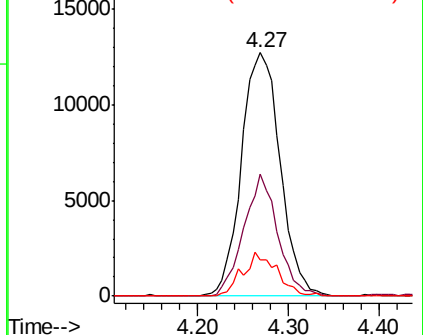
141 16.0 11.7 17.5

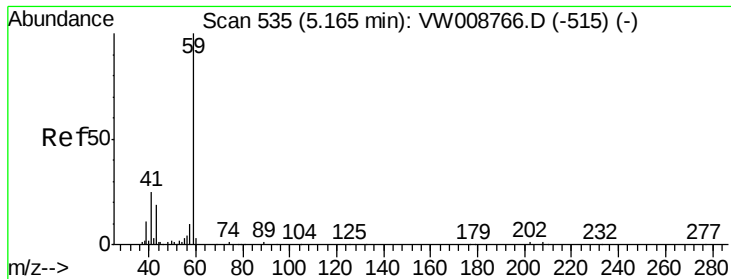


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



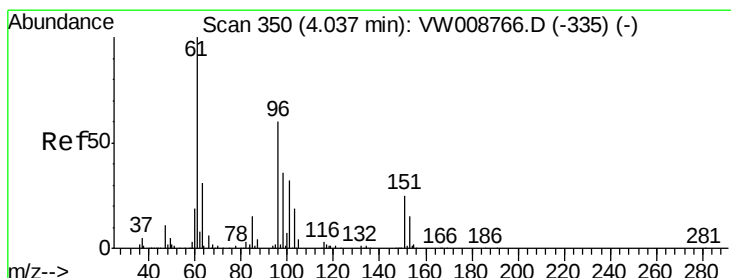
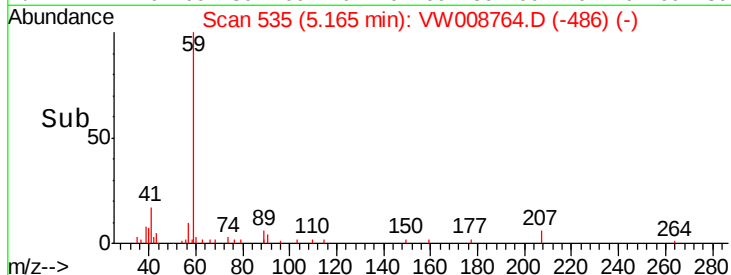
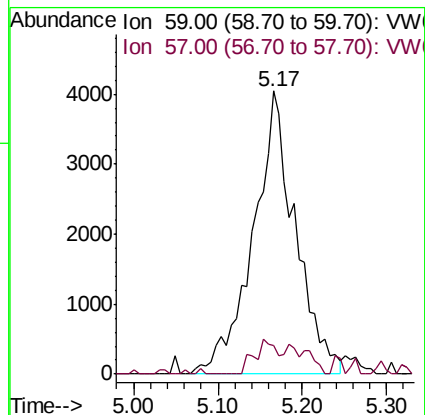
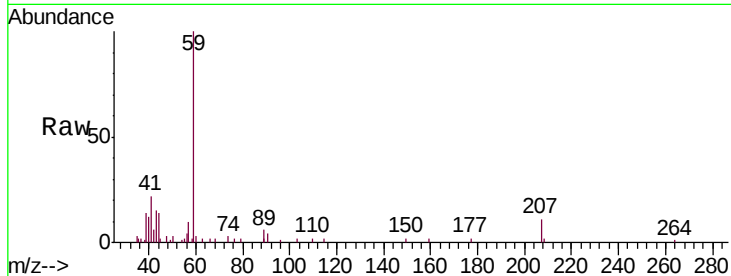


#11

Tert butyl alcohol
 Concen: 49.846 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

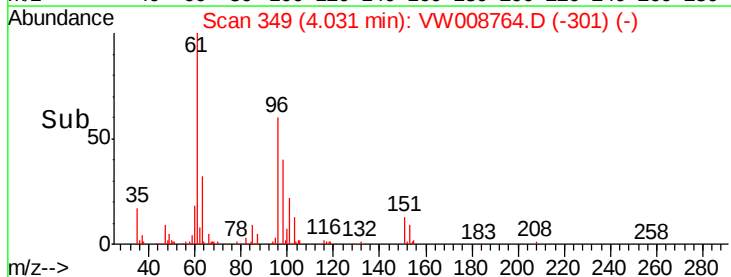
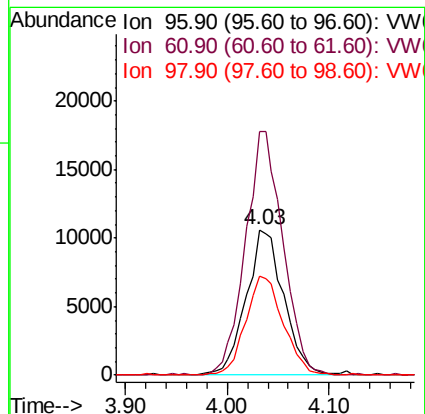
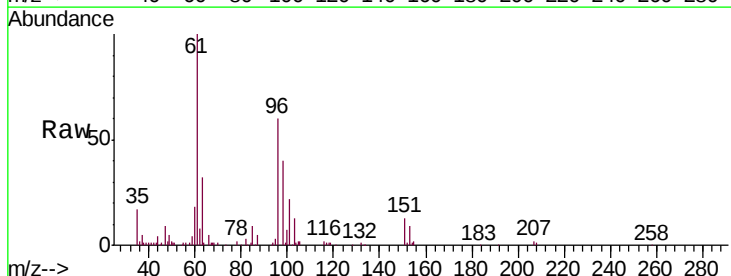
Tgt Ion: 59 Resp: 13886
 Ion Ratio Lower Upper
 59 100
 57 6.2 9.3 13.9#

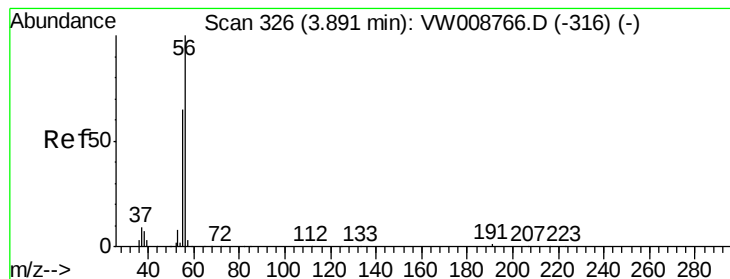


#12

1,1-Dichloroethene
 Concen: 9.117 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion: 96 Resp: 27299
 Ion Ratio Lower Upper
 96 100
 61 167.2 132.5 198.7
 98 67.6 48.2 72.4





#13

Acrolein

Concen: 41.761 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

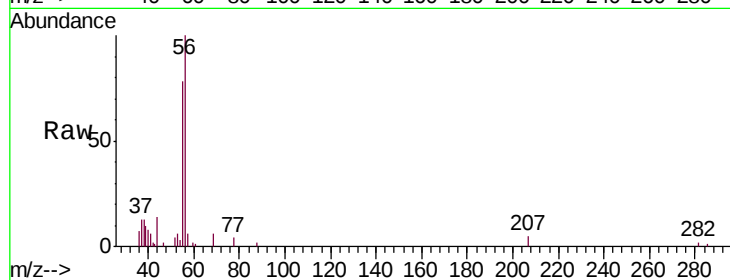
VSTDIC010

Tgt Ion: 56 Resp: 11277

Ion Ratio Lower Upper

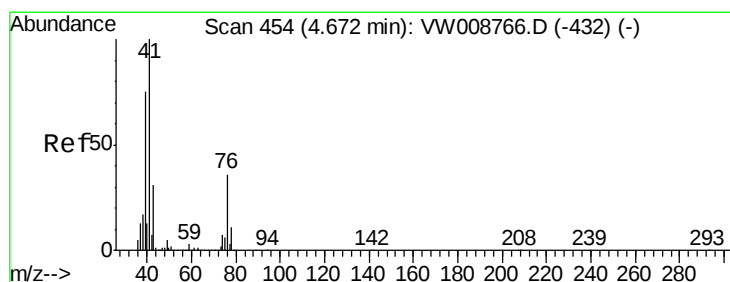
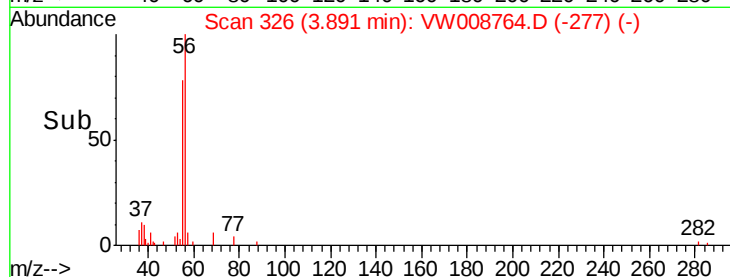
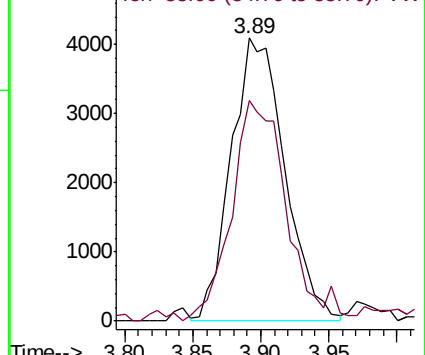
56 100

55 79.5 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 9.435 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

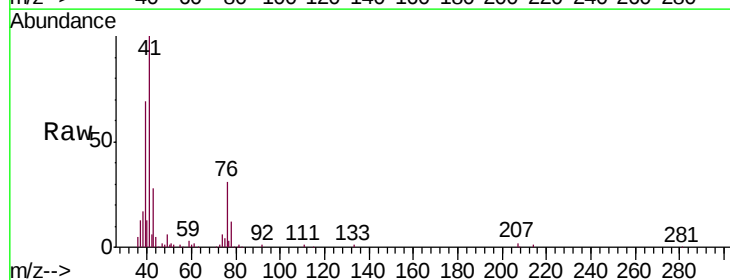
Tgt Ion: 41 Resp: 48761

Ion Ratio Lower Upper

41 100

39 73.8 60.6 91.0

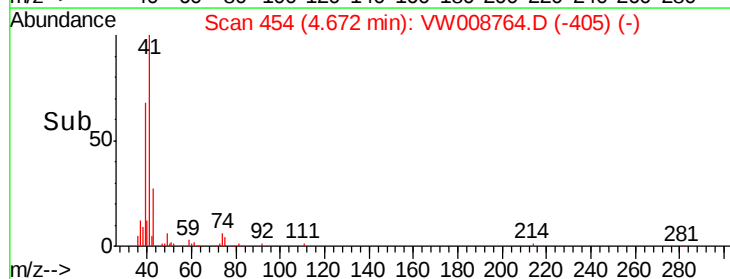
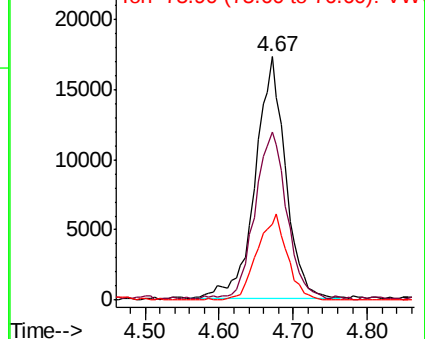
76 35.2 28.6 42.8

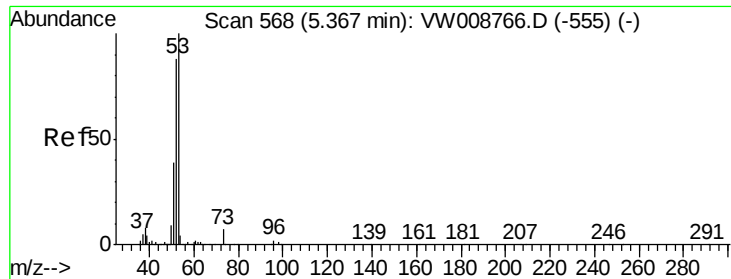


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 47.733 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

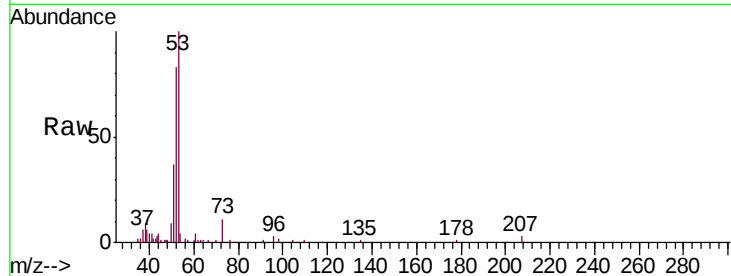
Tgt Ion: 53 Resp: 36210

Ion Ratio Lower Upper

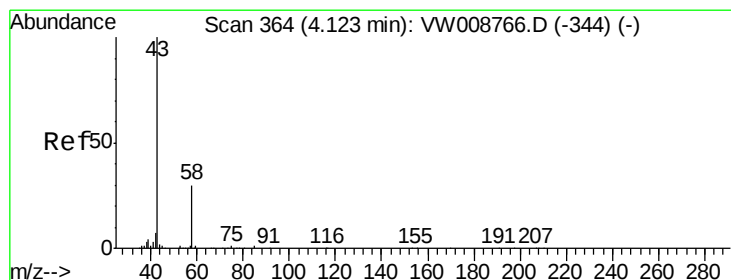
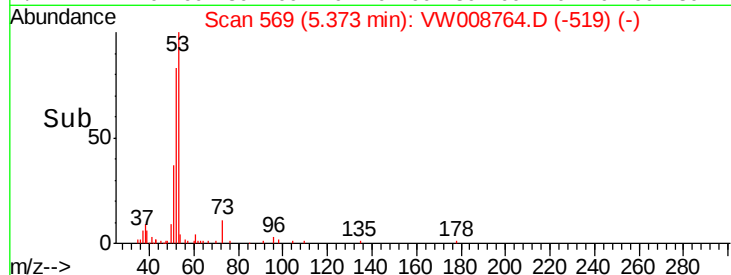
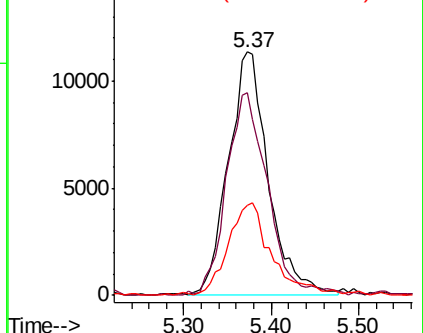
53 100

52 85.6 67.2 100.8

51 40.9 31.1 46.7



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: 47.555 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW008764.D

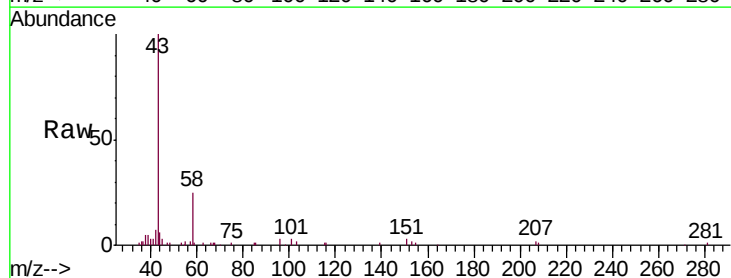
Acq: 21 Feb 2019 11:22

Tgt Ion: 43 Resp: 35356

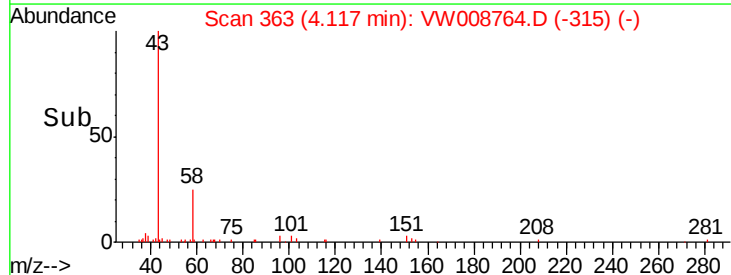
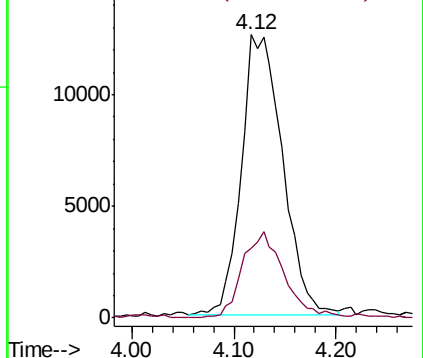
Ion Ratio Lower Upper

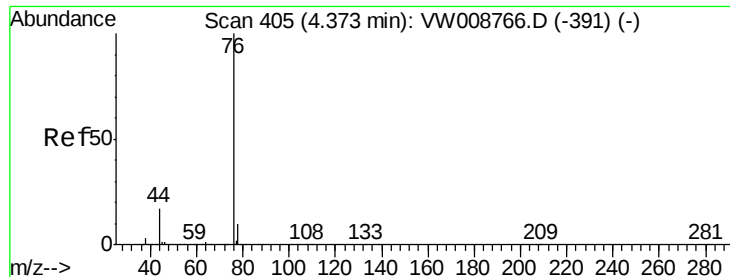
43 100

58 24.9 23.8 35.6



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





#17

Carbon Disulfide

Concen: 9.055 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

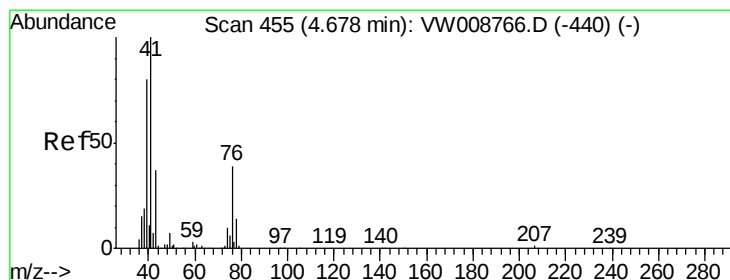
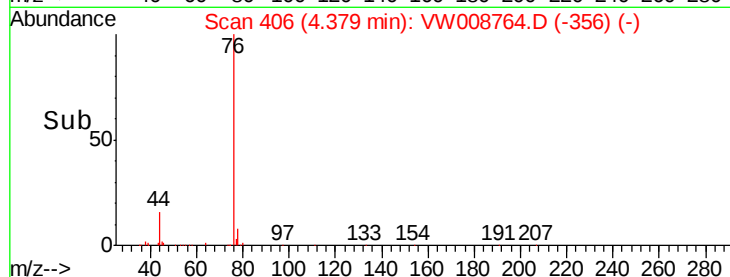
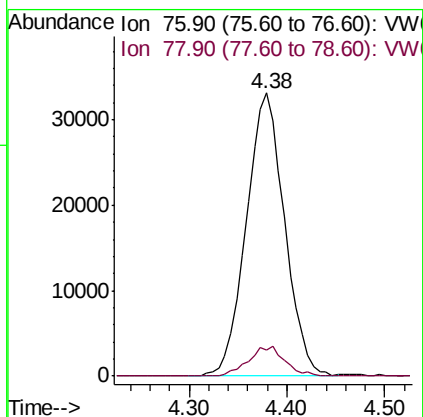
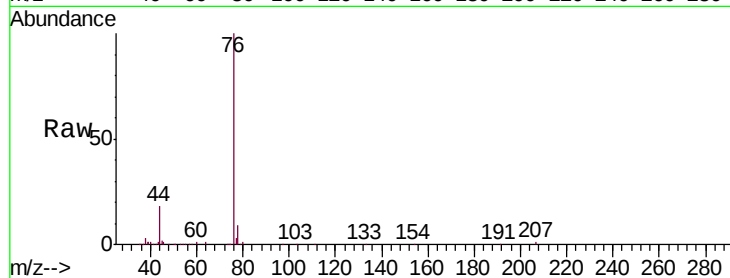
VSTDIC010

Tgt Ion: 76 Resp: 89963

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8



#18

Methyl Acetate

Concen: 9.566 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008764.D

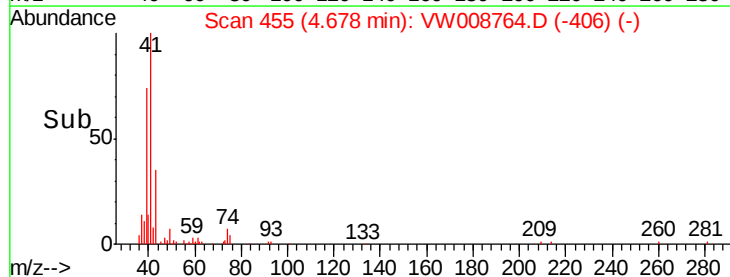
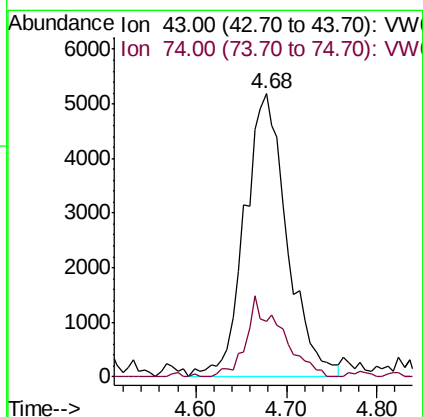
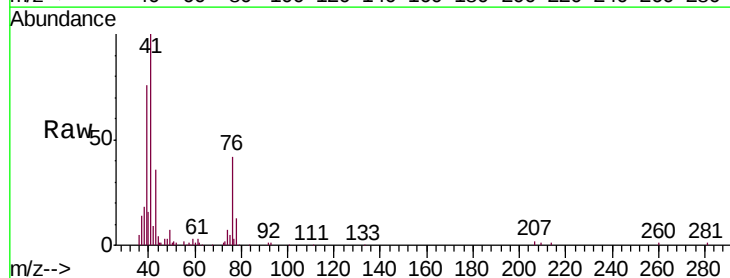
Acq: 21 Feb 2019 11:22

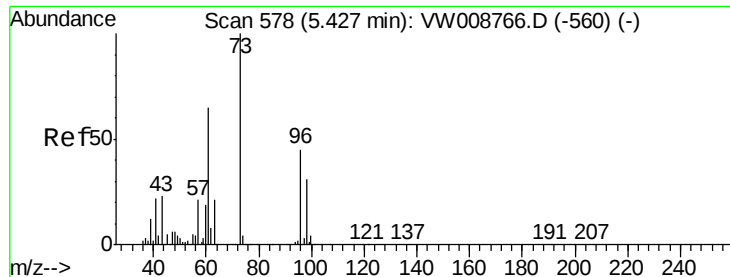
Tgt Ion: 43 Resp: 16869

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 9.376 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

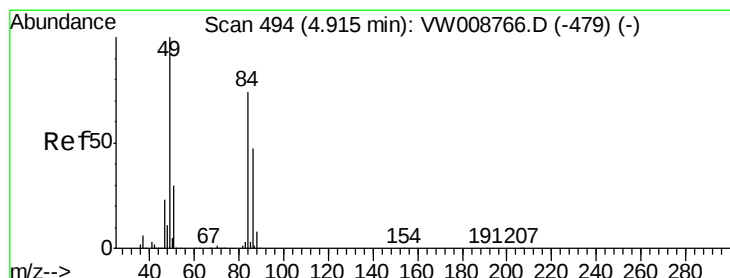
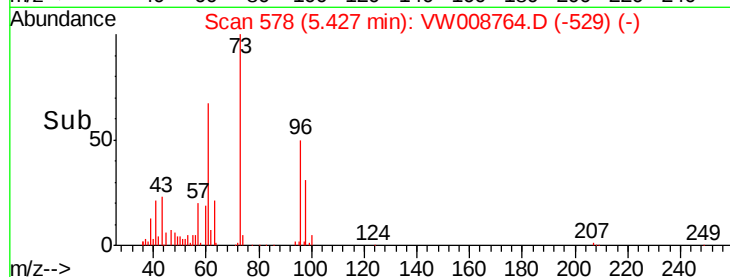
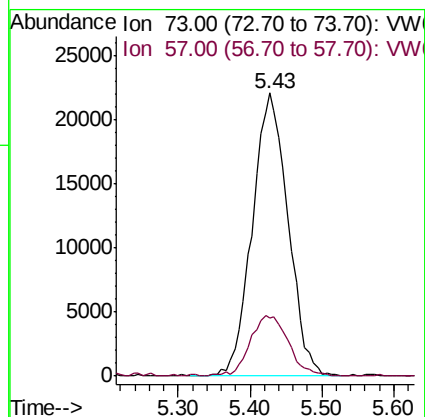
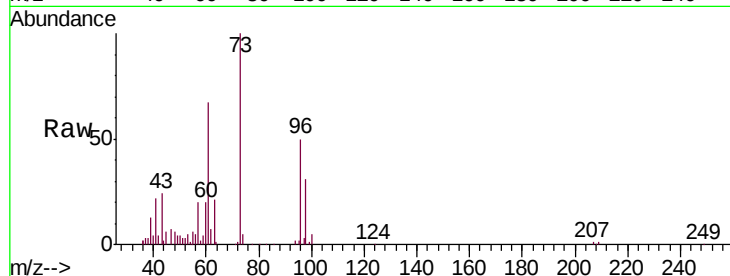
VSTDIC010

Tgt Ion: 73 Resp: 75993

Ion Ratio Lower Upper

73 100

57 20.3 16.8 25.2



#20

Methylene Chloride

Concen: 11.350 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Tgt Ion: 84 Resp: 49752

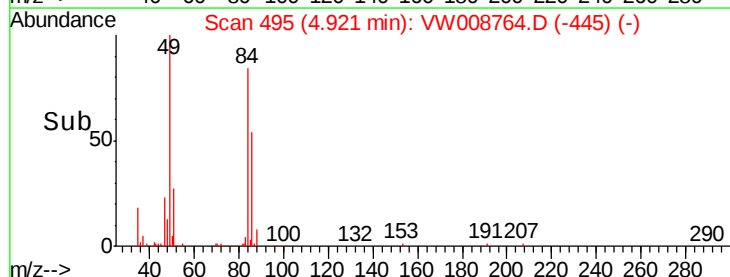
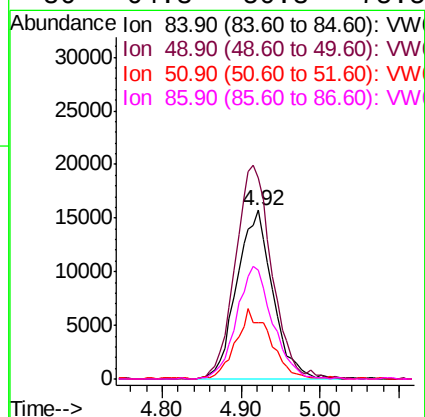
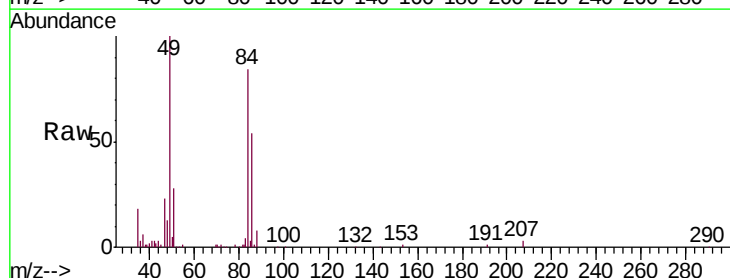
Ion Ratio Lower Upper

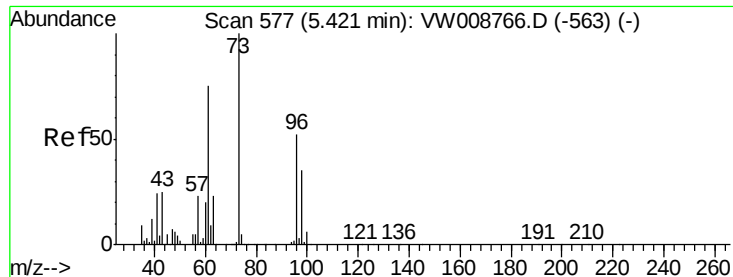
84 100

49 119.1 108.2 162.2

51 32.9 32.7 49.1

86 64.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 9.485 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

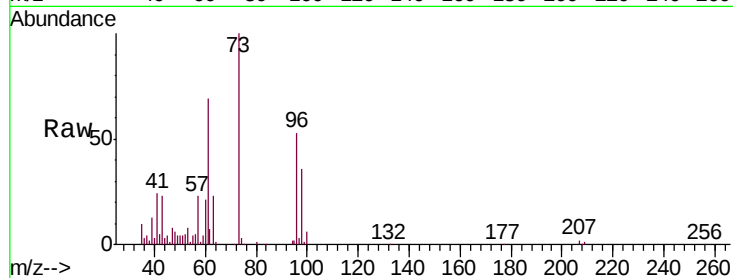
Tgt Ion: 96 Resp: 32852

Ion Ratio Lower Upper

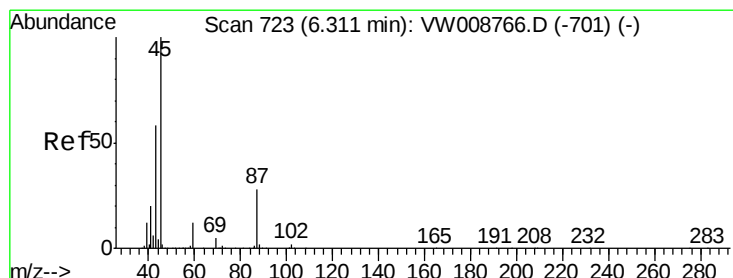
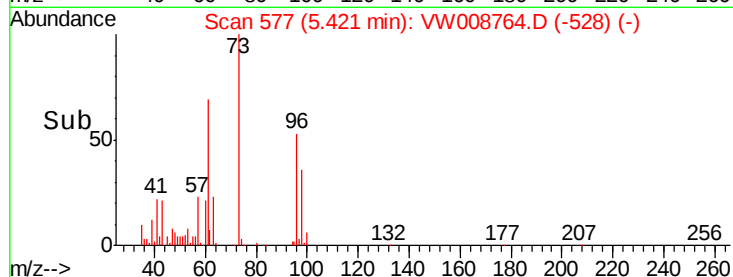
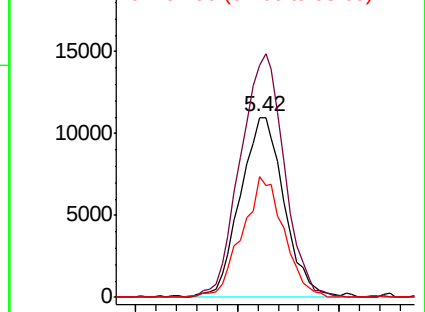
96 100

61 129.1 114.6 171.8

98 66.8 54.0 81.0



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



#22

Diisopropyl ether

Concen: 9.403 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Tgt Ion: 45 Resp: 96933

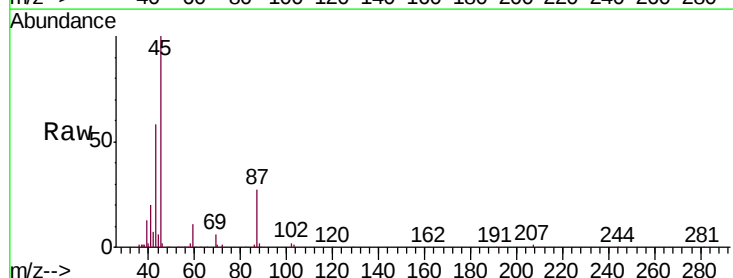
Ion Ratio Lower Upper

45 100

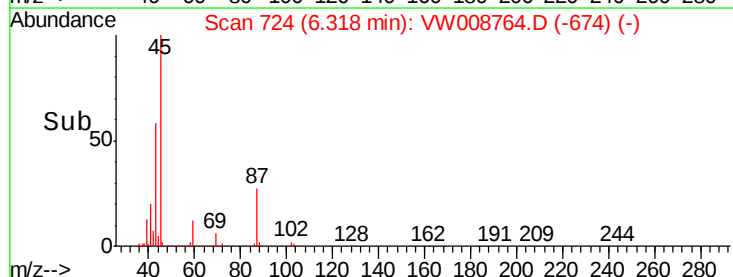
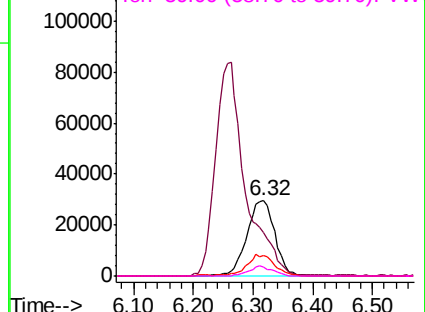
43 57.7 46.1 69.1

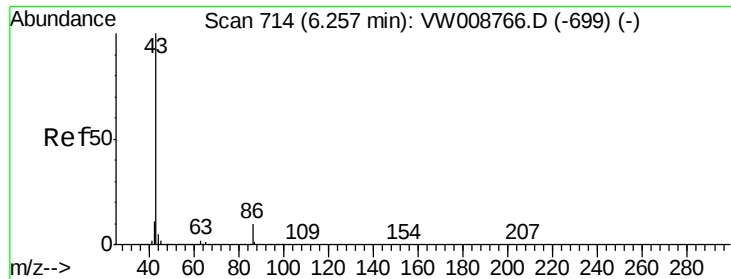
87 26.7 22.2 33.4

59 11.3 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 45.560 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

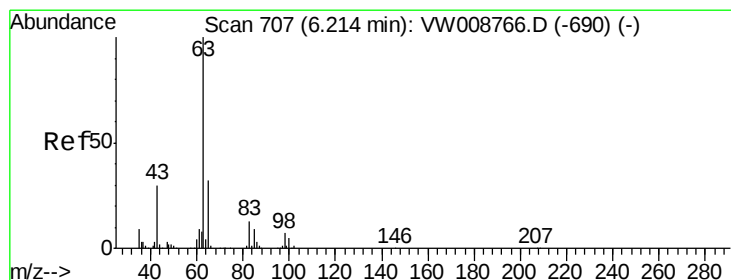
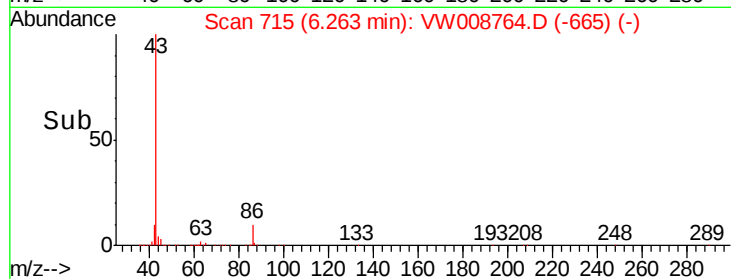
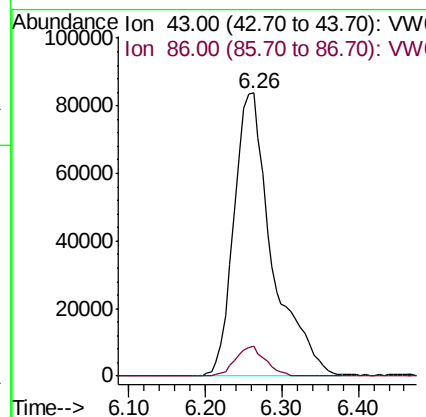
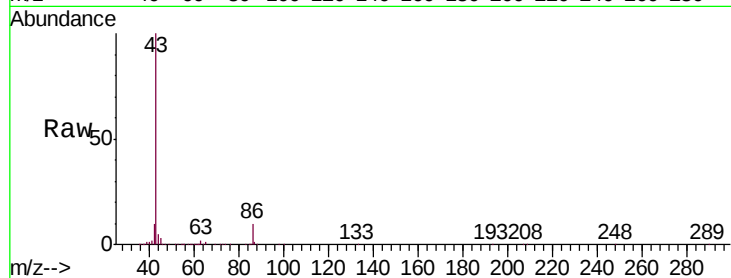
VSTDIC010

Tgt Ion: 43 Resp: 290193

Ion Ratio Lower Upper

43 100

86 10.5 8.1 12.1



#24

1,1-Dichloroethane

Concen: 9.503 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

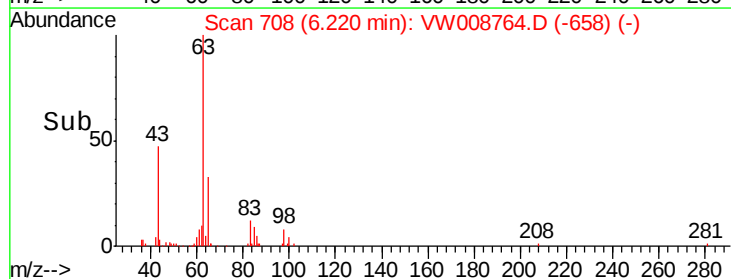
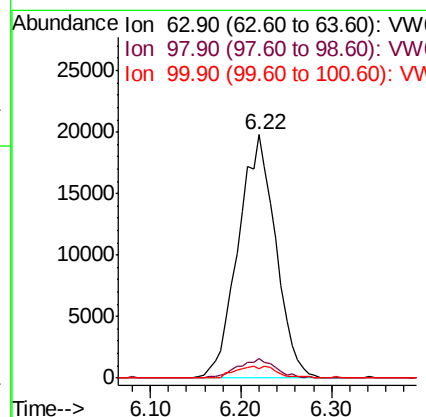
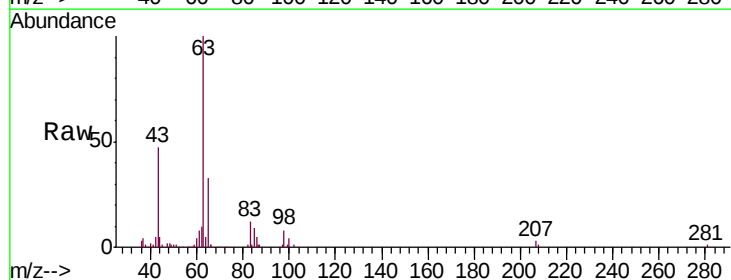
Tgt Ion: 63 Resp: 56767

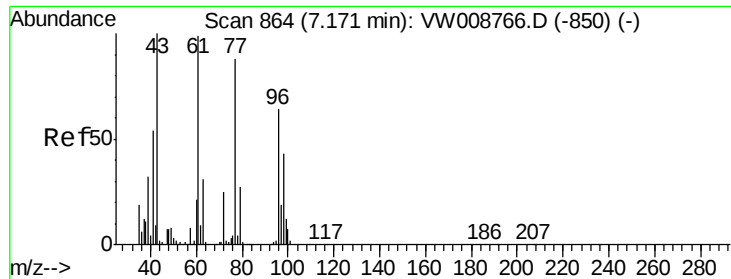
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.6

100 3.8 2.4 7.2





#25

2-Butanone

Concen: 47.079 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampled :

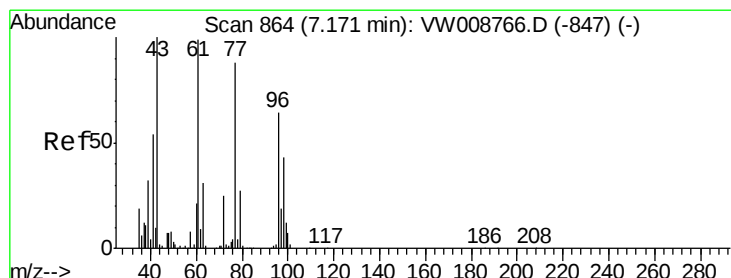
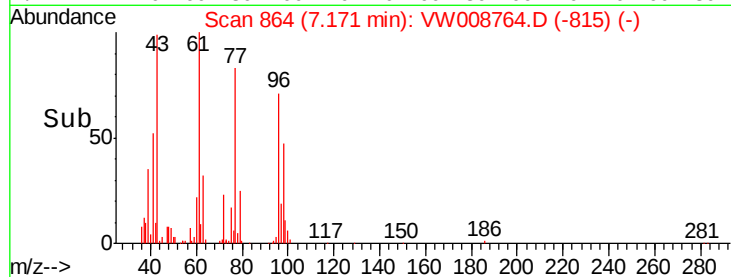
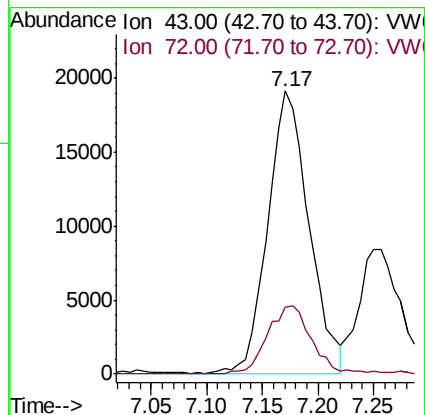
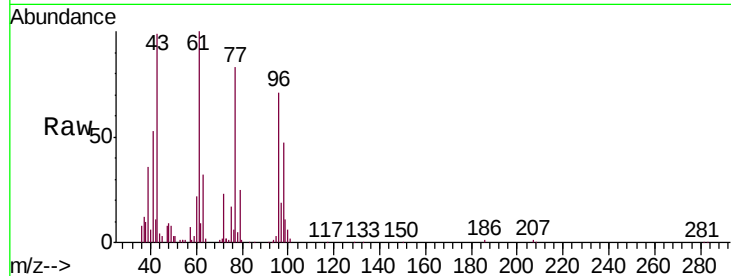
VSTDIC010

Tgt Ion: 43 Resp: 48935

Ion Ratio Lower Upper

43 100

72 23.6 19.7 29.5



#26

2,2-Dichloropropane

Concen: 9.469 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008764.D

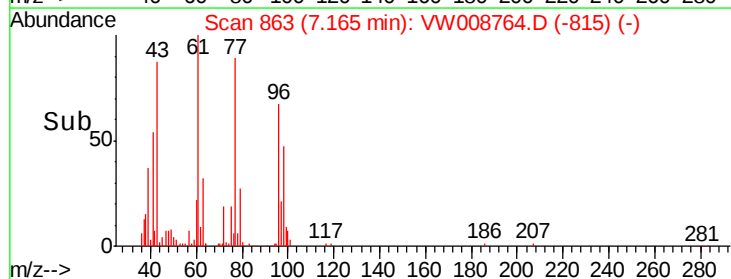
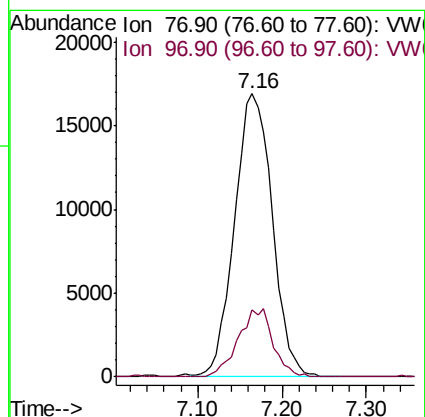
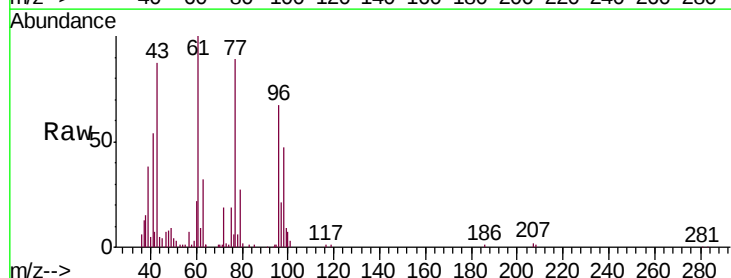
Acq: 21 Feb 2019 11:22

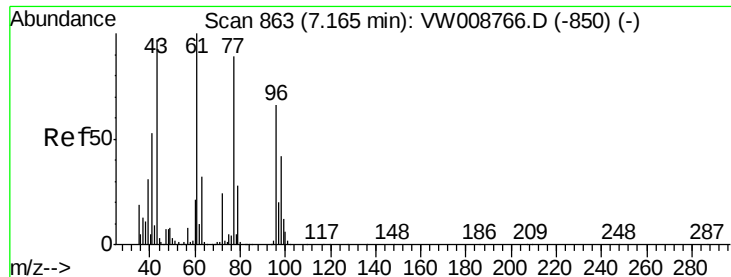
Tgt Ion: 77 Resp: 51358

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



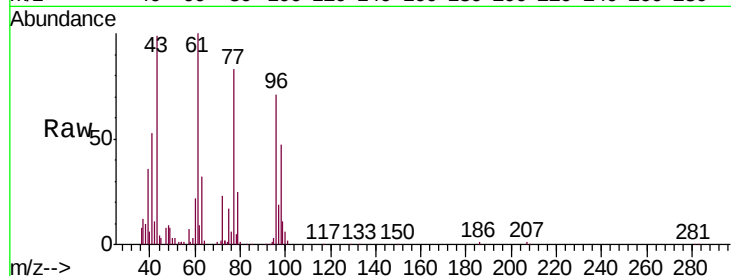


#27

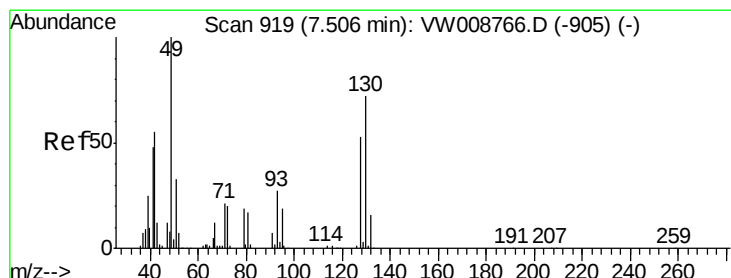
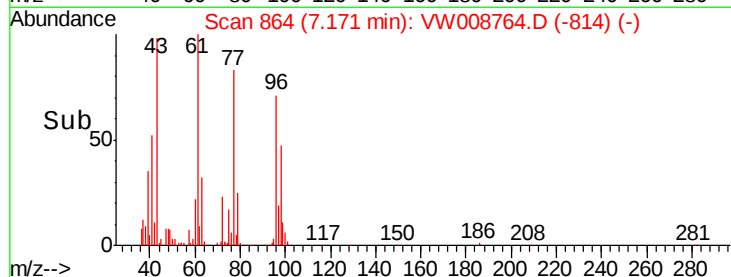
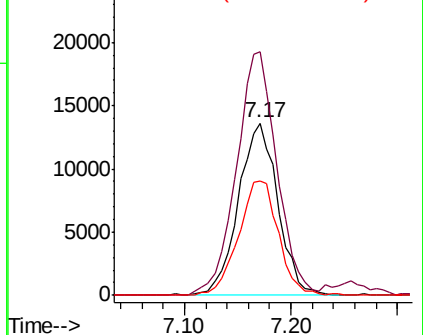
cis-1,2-Dichloroethene
Concen: 9.515 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 35252
Ion Ratio Lower Upper
96 100
61 145.5 0.0 302.6
98 67.5 0.0 130.0



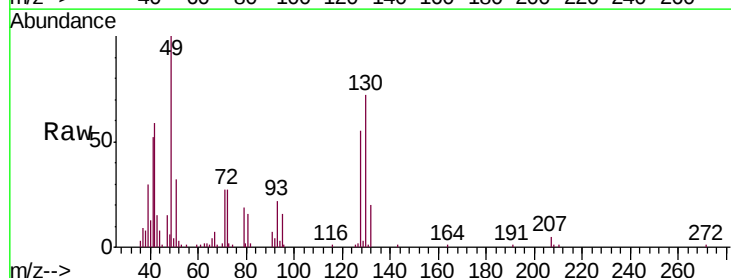
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



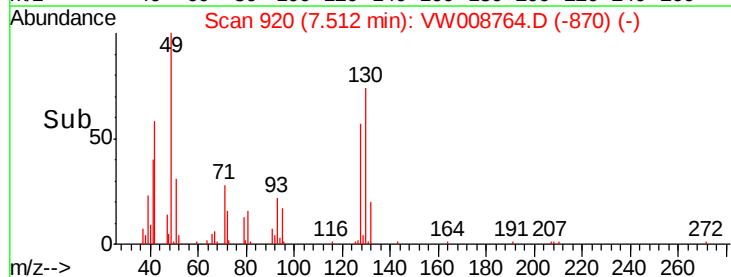
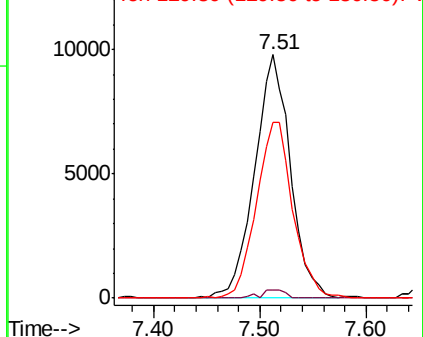
#28

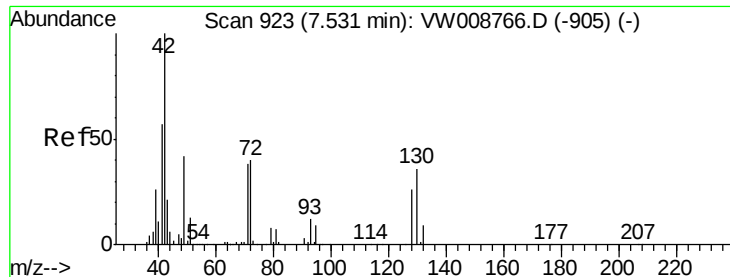
Bromochloromethane
Concen: 9.216 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 49 Resp: 23038
Ion Ratio Lower Upper
49 100
129 2.3 0.0 2.6
130 73.7 61.3 91.9



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

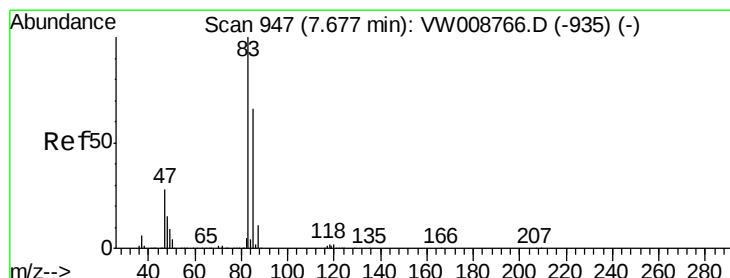
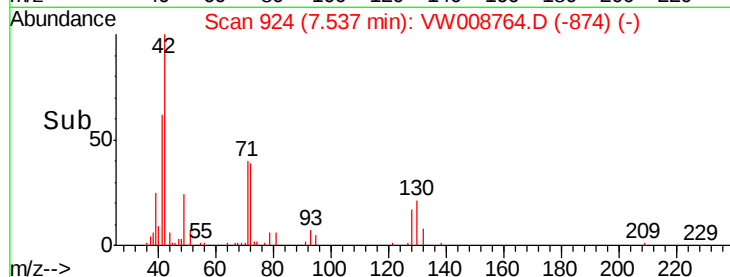
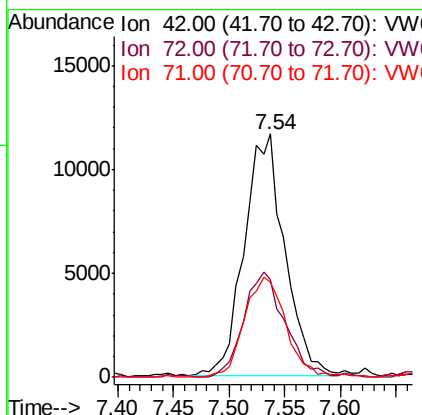
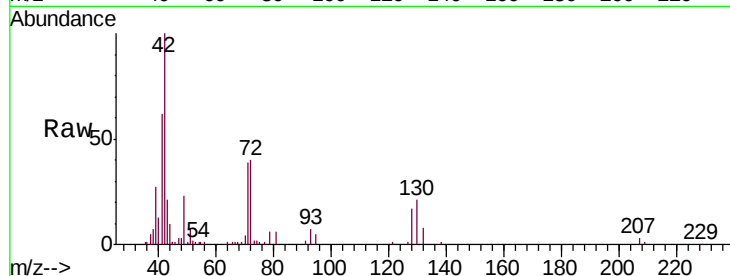




#29
Tetrahydrofuran
Concen: 44.294 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

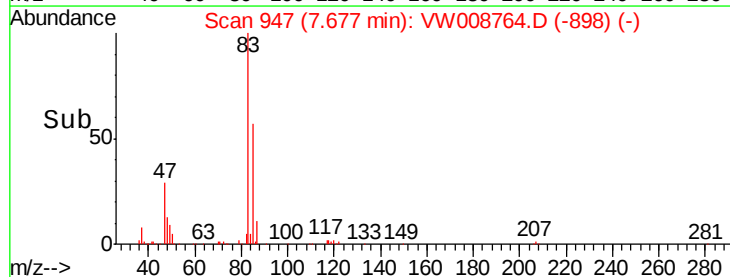
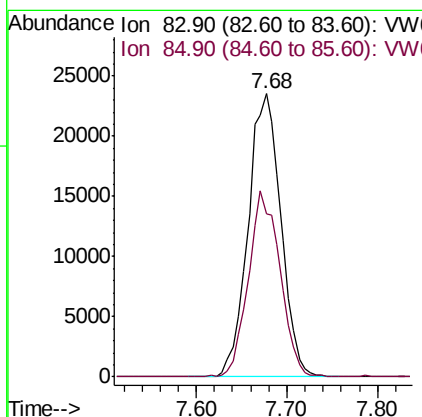
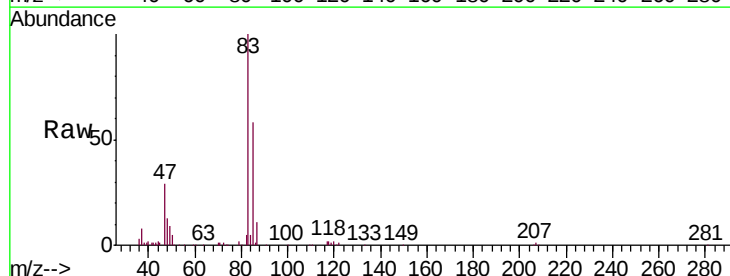
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

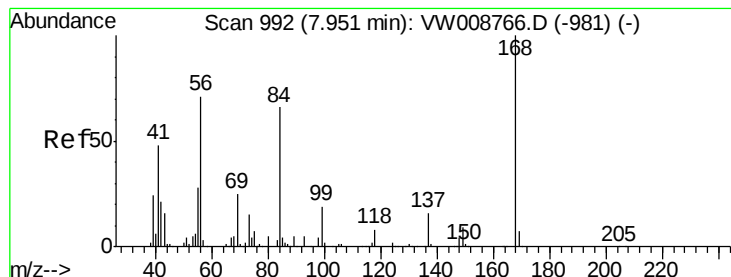
Tgt Ion: 42 Resp: 29340
Ion Ratio Lower Upper
42 100
72 44.5 32.7 49.1
71 43.1 31.3 46.9



#30
Chloroform
Concen: 9.590 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 83 Resp: 58771
Ion Ratio Lower Upper
83 100
85 57.5 52.6 79.0





#31

Cyclohexane

Concen: 9.894 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

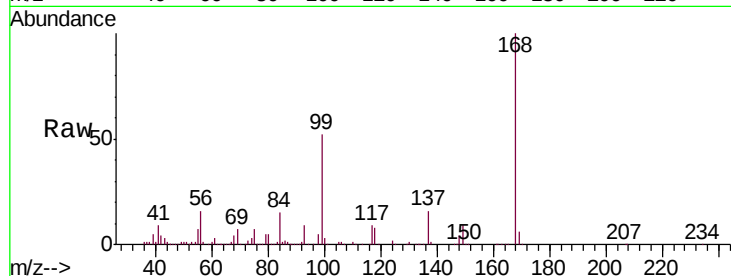
Tgt Ion: 56 Resp: 59827

Ion Ratio Lower Upper

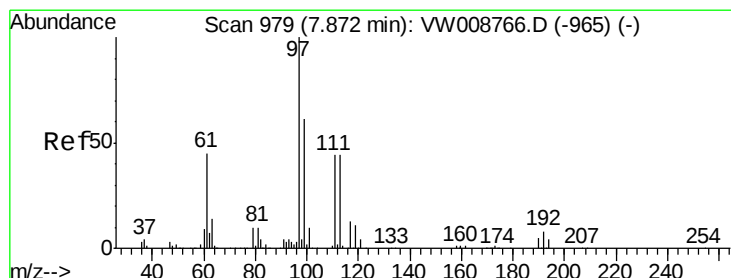
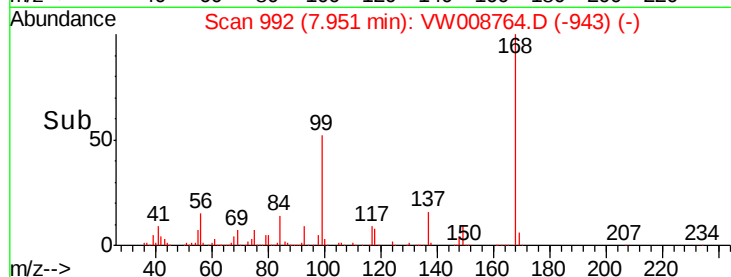
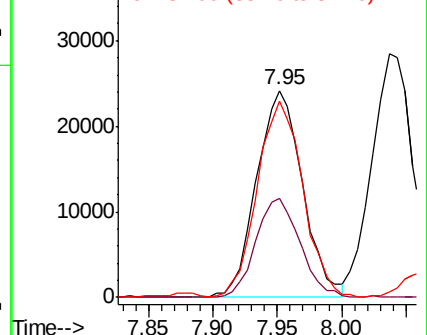
56 100

69 47.7 28.2 42.4#

84 93.2 74.1 111.1



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



#32

1,1,1-Trichloroethane

Concen: 9.411 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

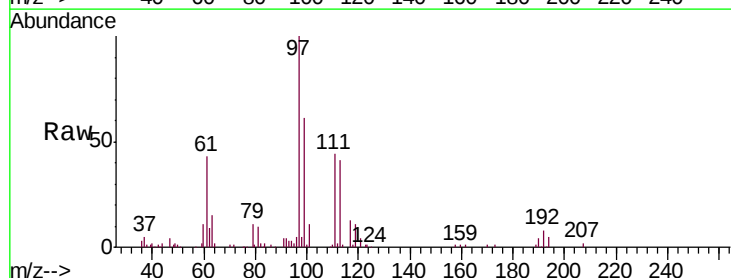
Tgt Ion: 97 Resp: 52451

Ion Ratio Lower Upper

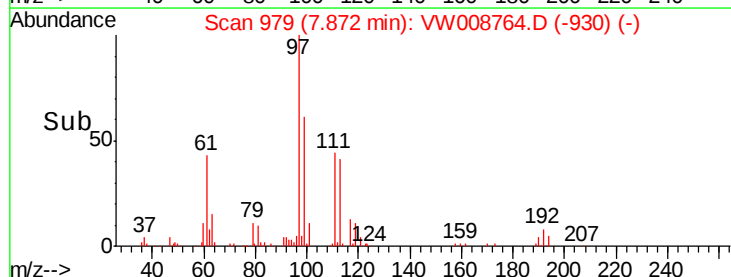
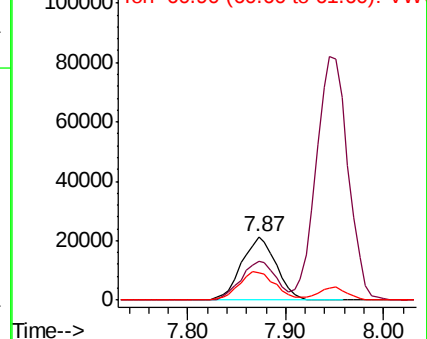
97 100

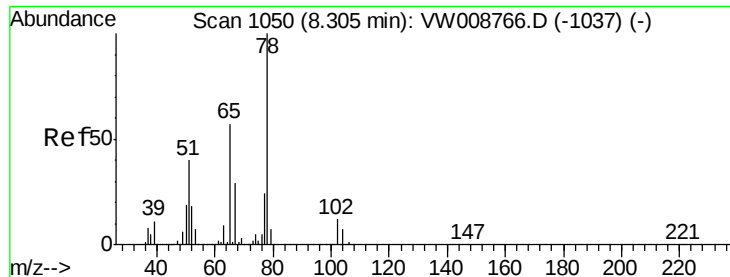
99 62.3 50.8 76.2

61 46.6 36.0 54.0



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





#33

1,2-Dichloroethane-d4

Concen: 9.598 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

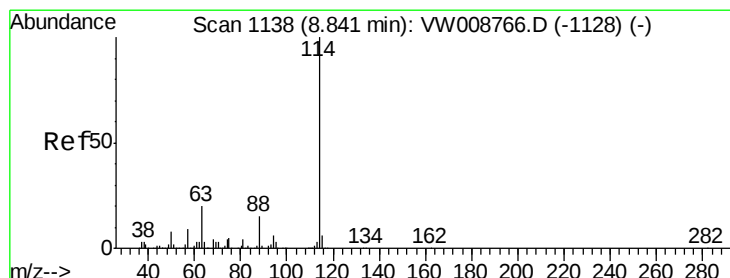
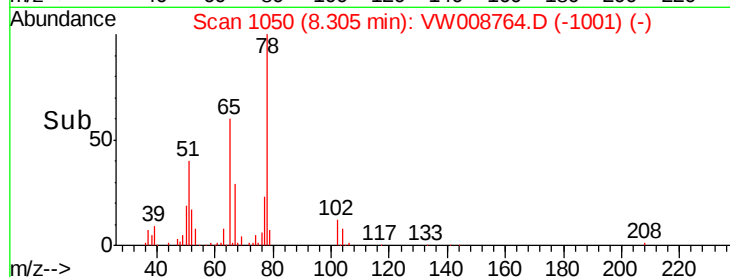
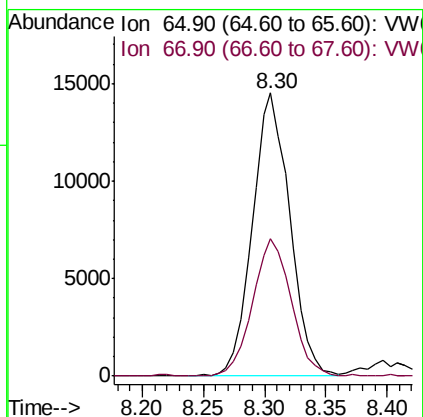
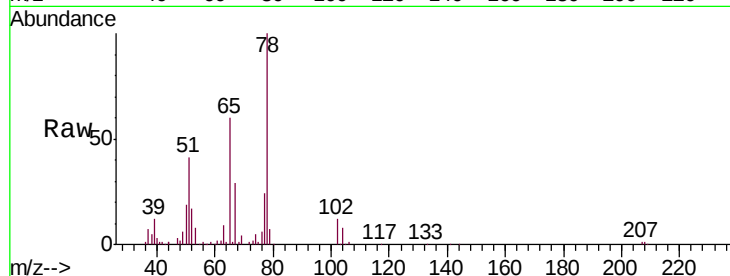
VSTDIC010

Tgt Ion: 65 Resp: 30785

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

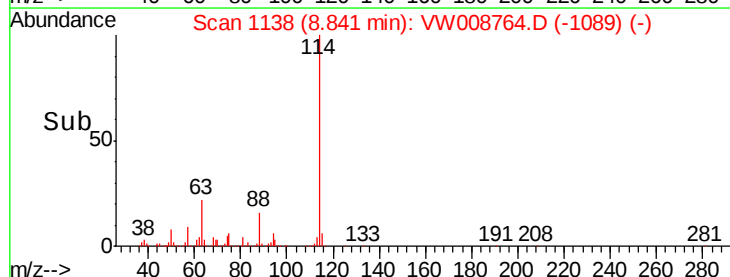
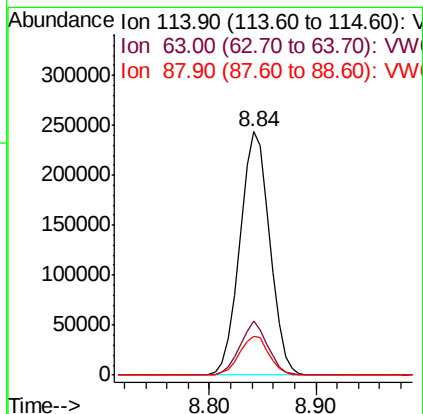
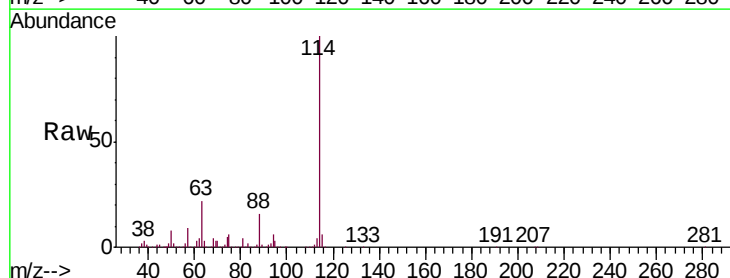
Tgt Ion: 114 Resp: 481202

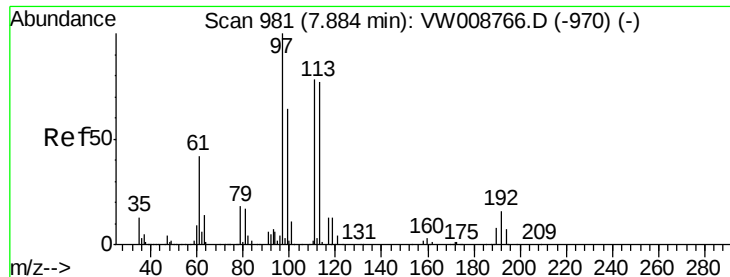
Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.8

88 15.7 0.0 30.4

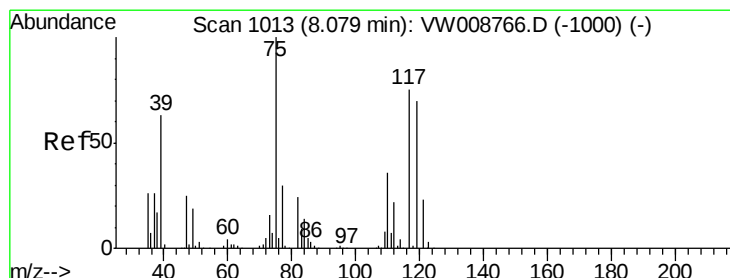
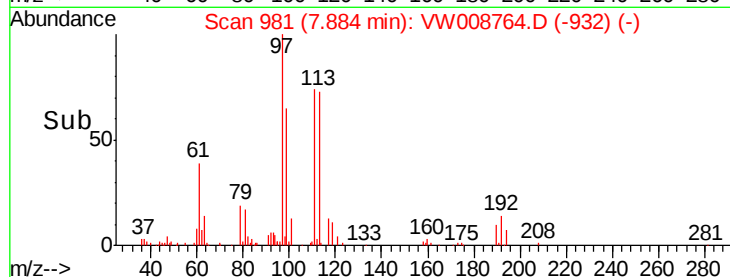
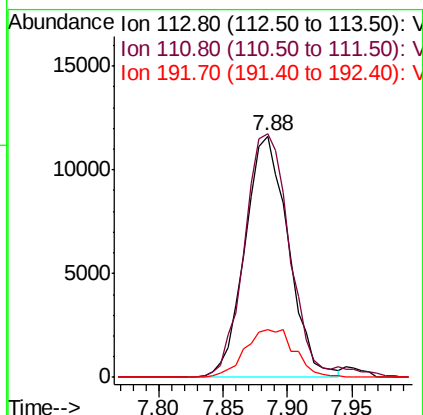
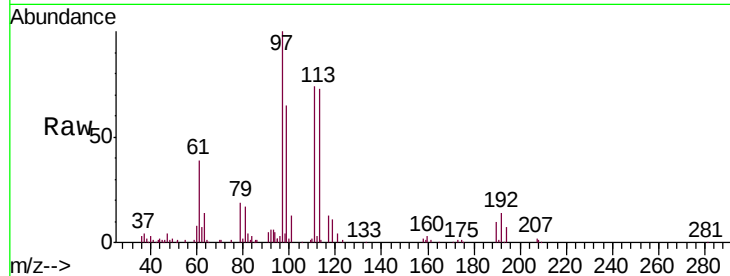




#35
 Dibromofluoromethane
 Concen: 9.409 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

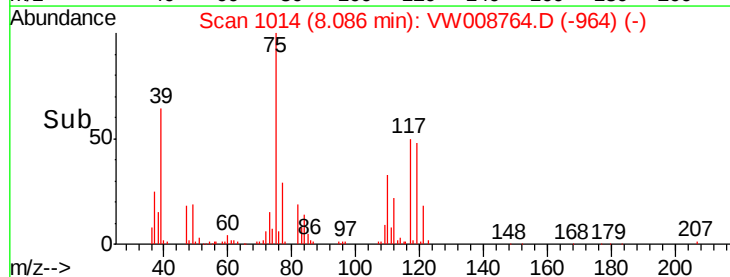
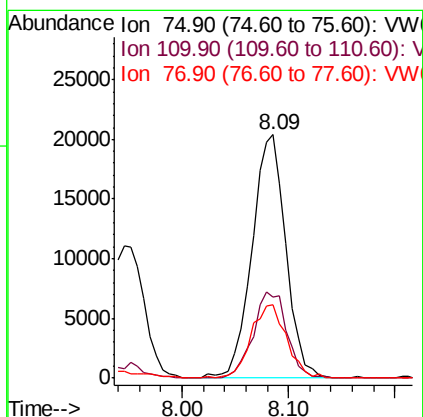
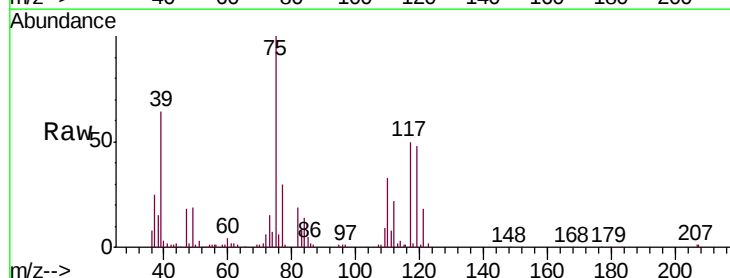
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

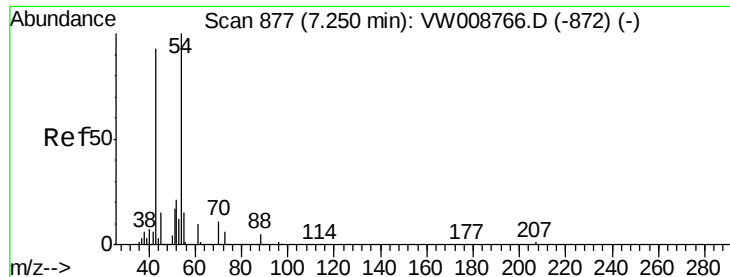
Tgt Ion: 113 Resp: 27184
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.9 122.9
 192 22.7 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 9.685 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion: 75 Resp: 45367
 Ion Ratio Lower Upper
 75 100
 110 35.3 17.5 52.6
 77 31.6 24.5 36.7

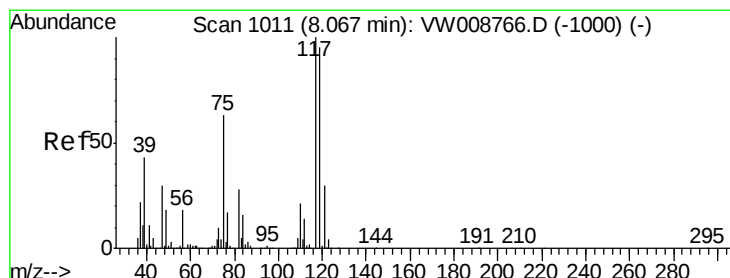
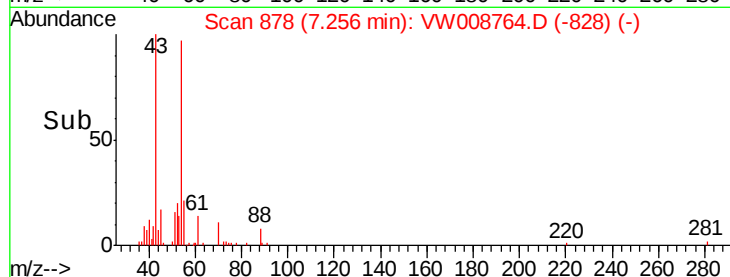
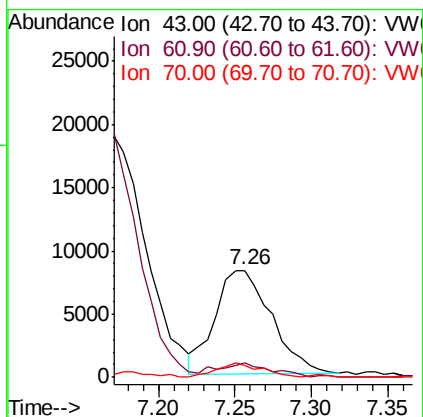
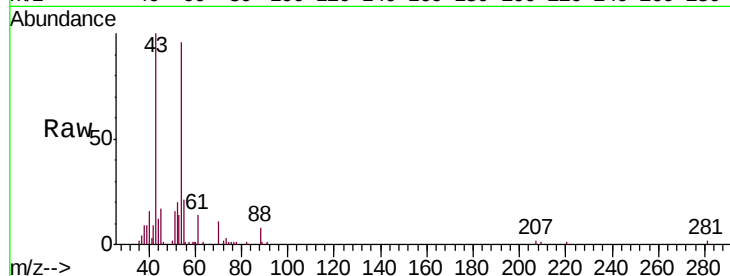




#37
Ethyl Acetate
Concen: 9.690 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

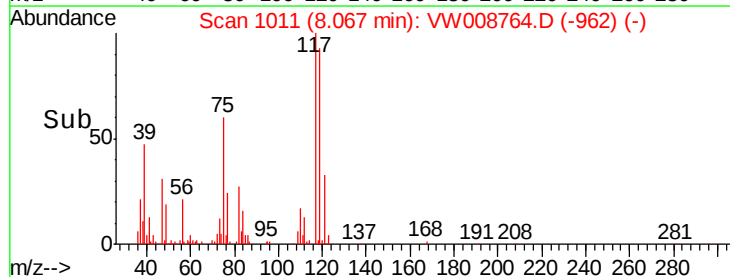
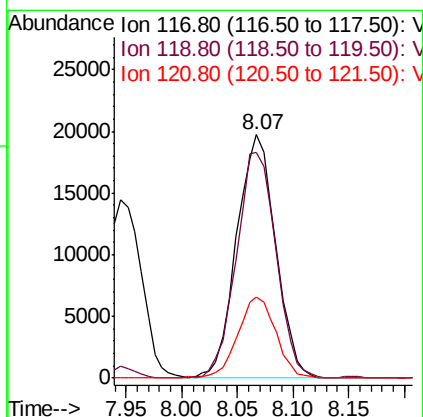
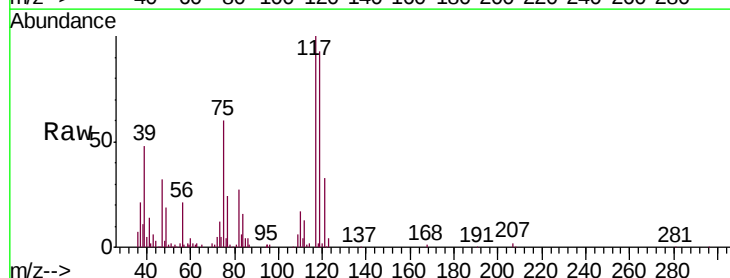
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

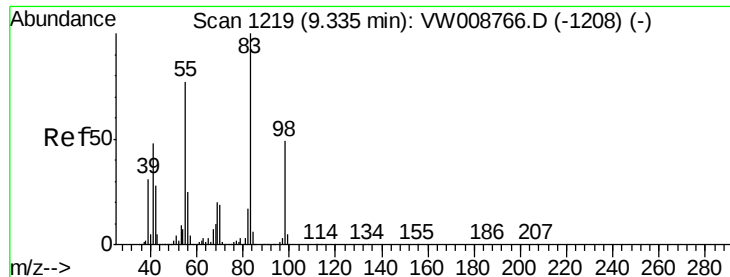
Tgt Ion: 43 Resp: 21107
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.8
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 9.705 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 117 Resp: 47941
Ion Ratio Lower Upper
117 100
119 92.8 76.1 114.1
121 33.0 24.0 36.0

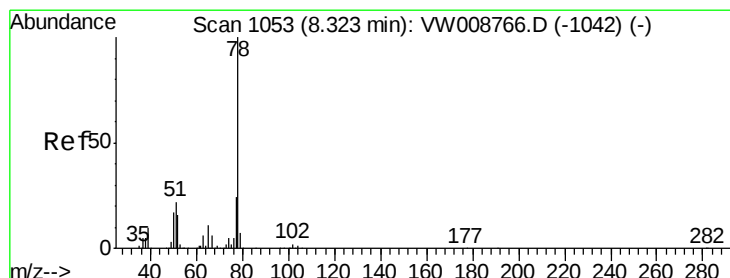
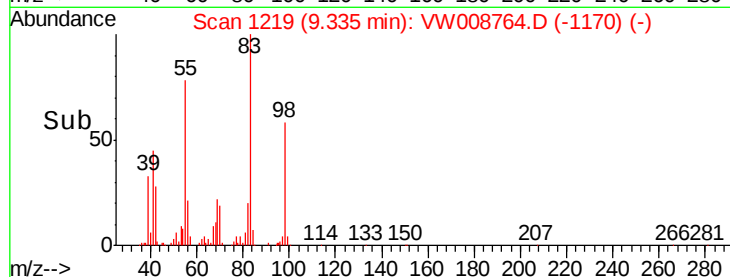
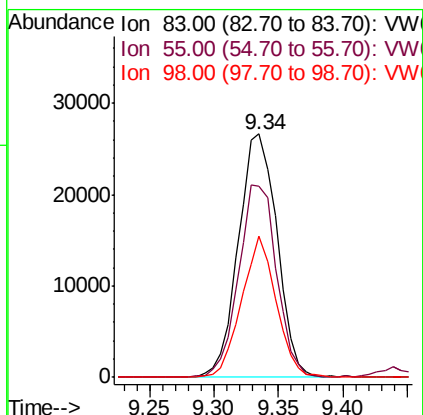
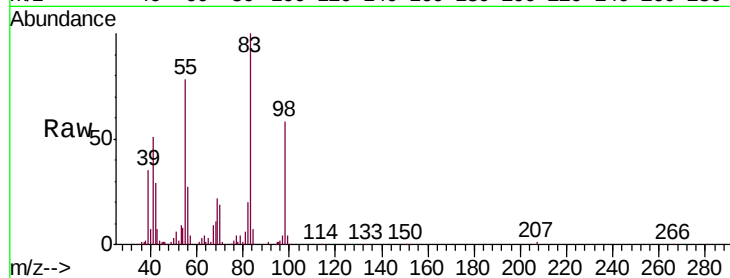




#39
Methylcyclohexane
Concen: 9.477 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

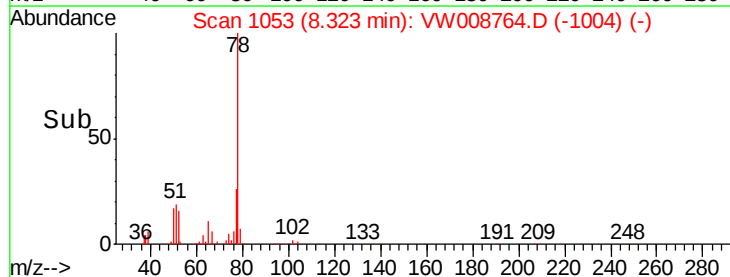
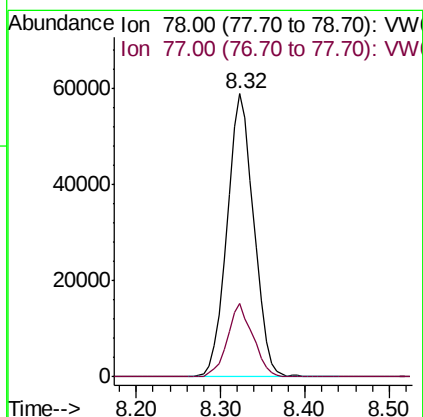
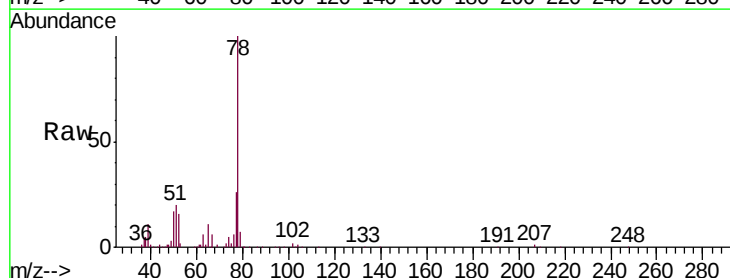
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

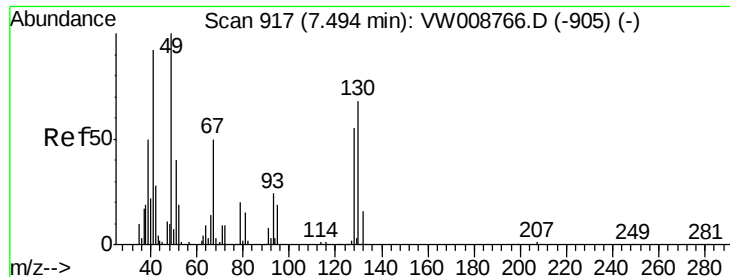
Tgt Ion: 83 Resp: 55369
Ion Ratio Lower Upper
83 100
55 78.2 61.2 91.8
98 58.0 39.4 59.2



#40
Benzene
Concen: 9.921 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 78 Resp: 126889
Ion Ratio Lower Upper
78 100
77 25.7 19.3 28.9

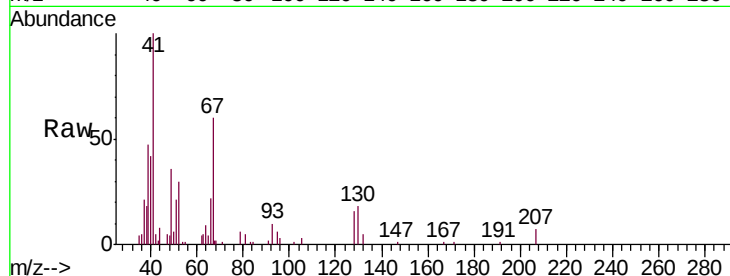




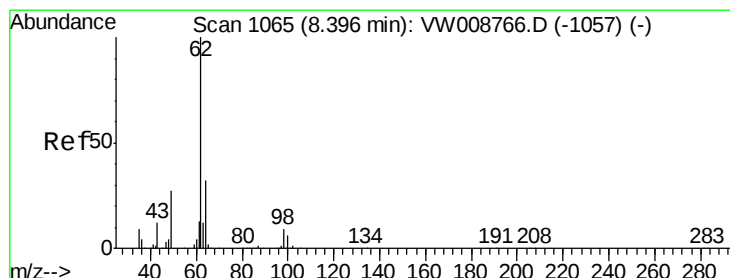
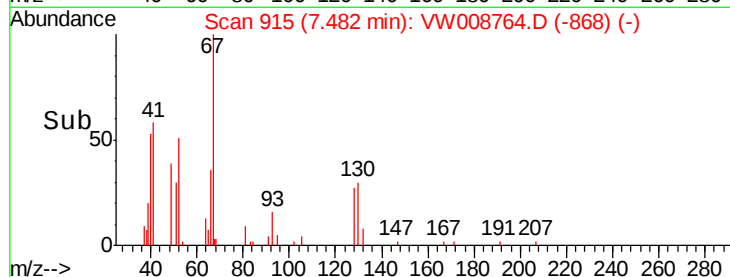
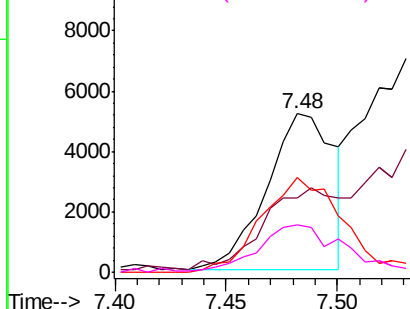
#41
Methacrylonitrile
Concen: 8.557 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	10956
Ion	Ratio	Lower	Upper
41	100		
39	65.0	52.5	78.7
67	72.8	55.0	82.6
52	38.9	26.9	40.3

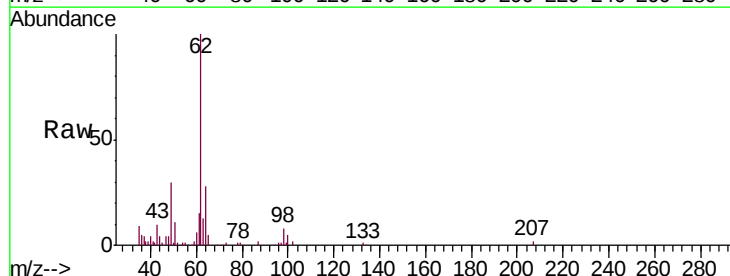


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

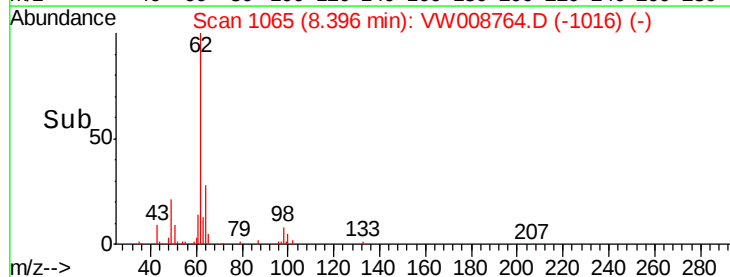
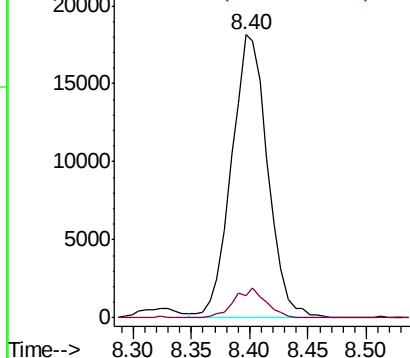


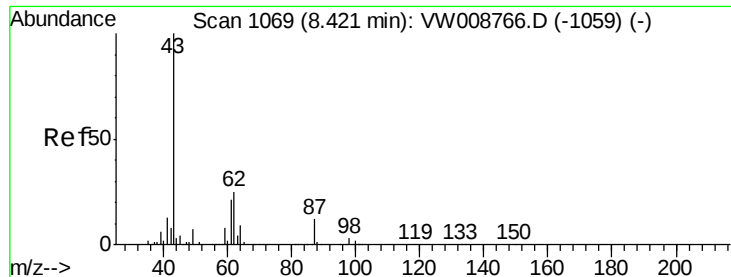
#42
1,2-Dichloroethane
Concen: 9.692 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion:	62	Resp:	39265
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 9.626 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

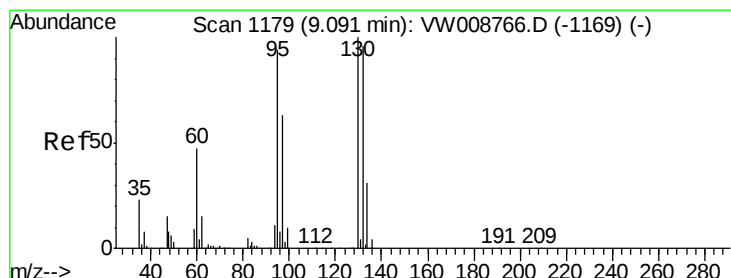
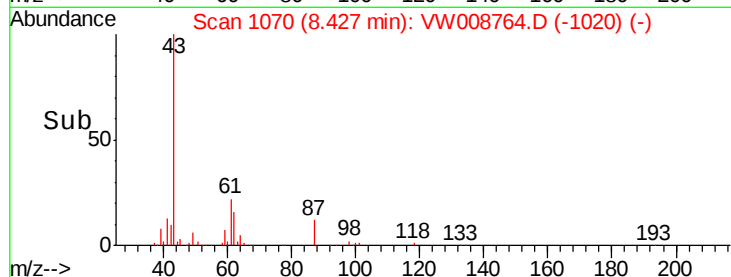
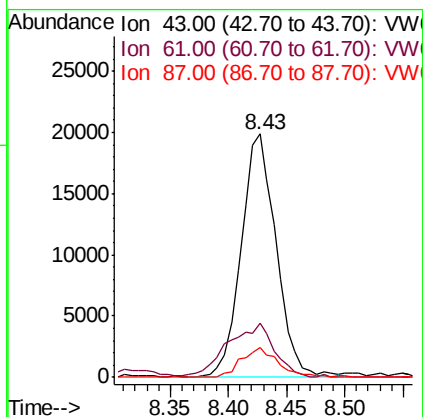
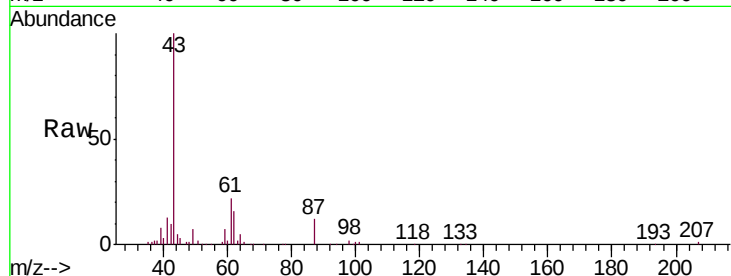
Tgt Ion: 43 Resp: 41849

Ion Ratio Lower Upper

43 100

61 28.9 23.2 34.8

87 12.6 9.9 14.9



#44

Trichloroethene

Concen: 9.865 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008764.D

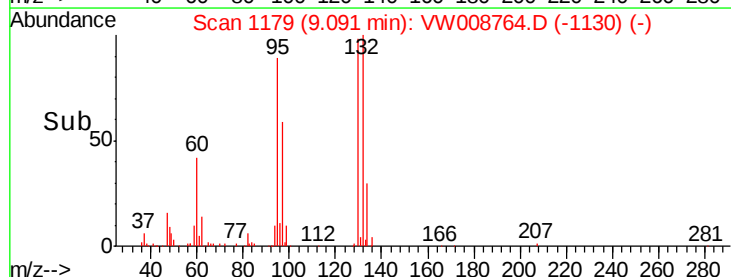
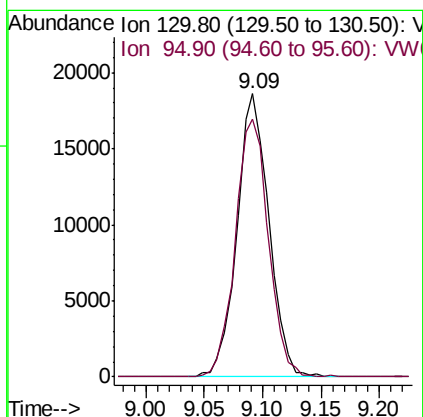
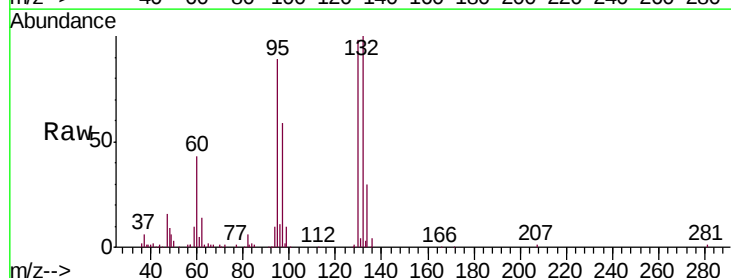
Acq: 21 Feb 2019 11:22

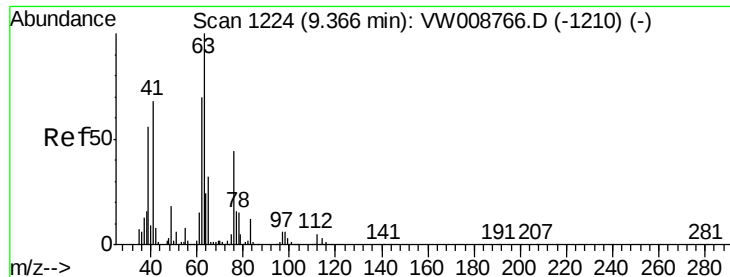
Tgt Ion: 130 Resp: 35541

Ion Ratio Lower Upper

130 100

95 91.1 0.0 188.6





#45

1,2-Dichloropropane

Concen: 9.595 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

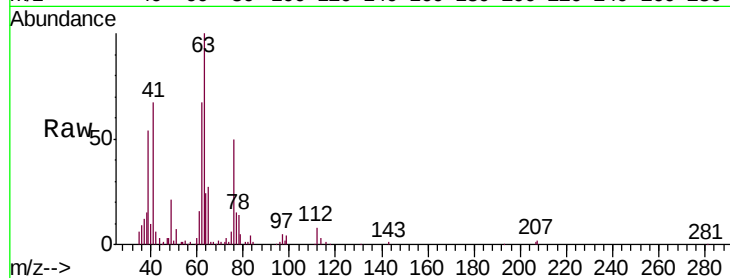
VSTDIC010

Tgt Ion: 63 Resp: 30325

Ion Ratio Lower Upper

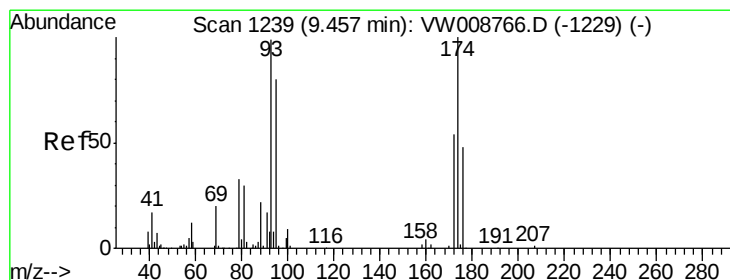
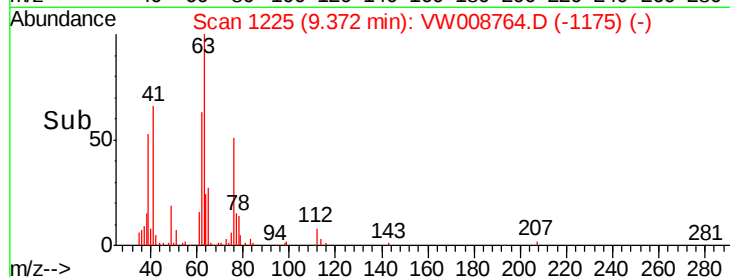
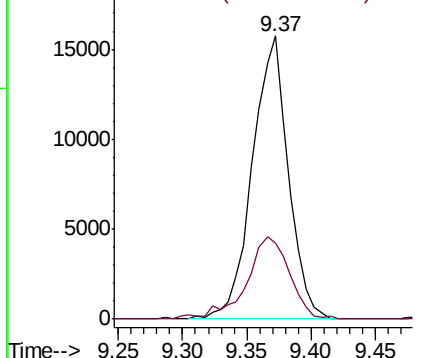
63 100

65 27.0 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 9.627 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

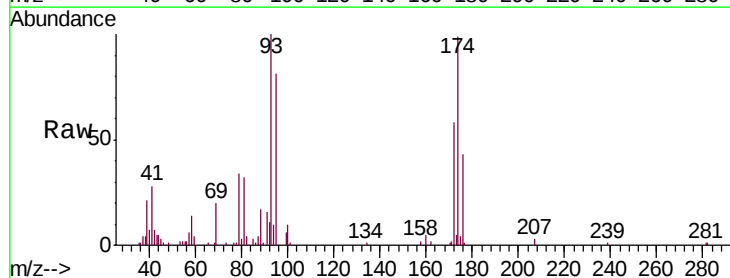
Tgt Ion: 93 Resp: 16923

Ion Ratio Lower Upper

93 100

95 84.3 67.7 101.5

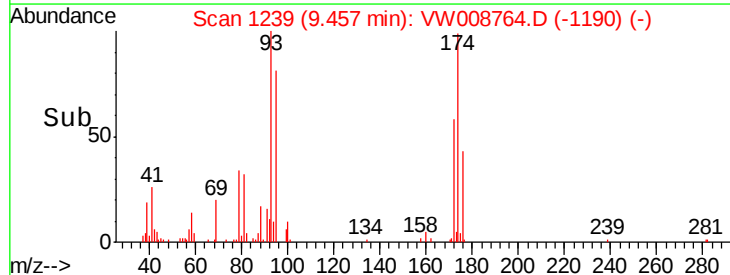
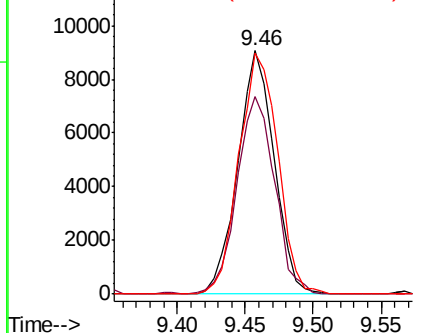
174 106.0 86.7 130.1

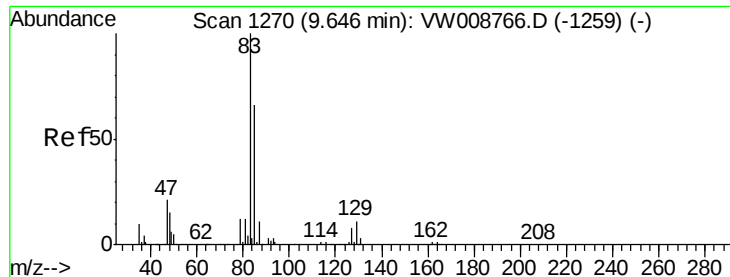


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 9.640 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

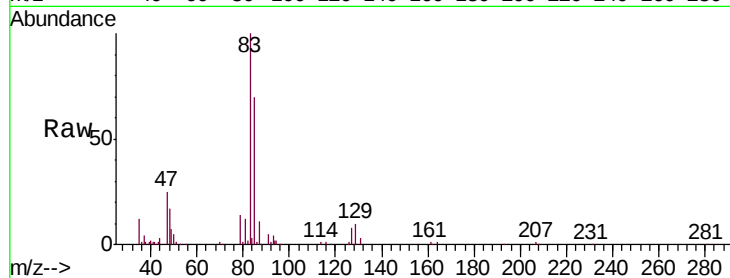
Tgt Ion: 83 Resp: 41230

Ion Ratio Lower Upper

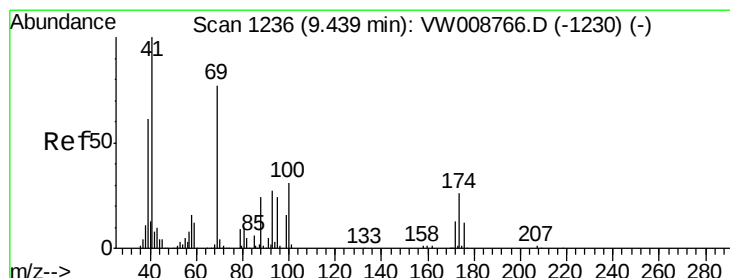
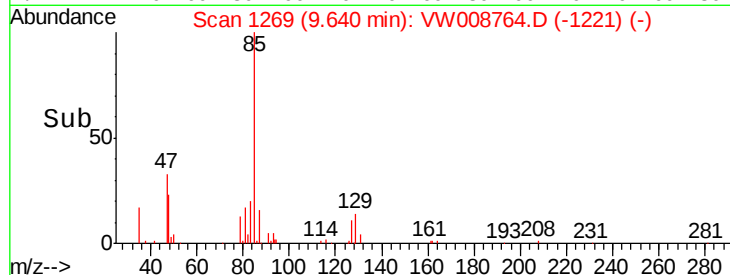
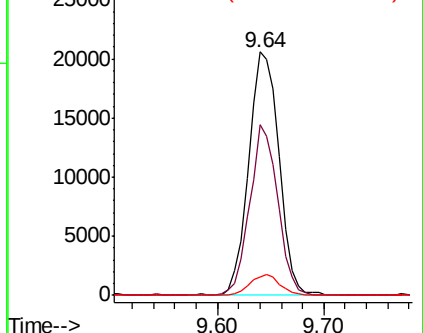
83 100

85 70.2 52.5 78.7

127 7.6 6.7 10.1



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: 8.773 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

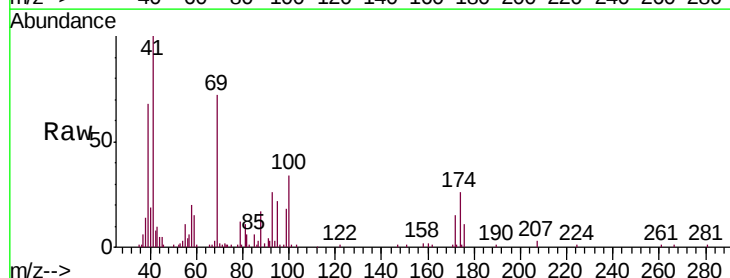
Tgt Ion: 41 Resp: 18266

Ion Ratio Lower Upper

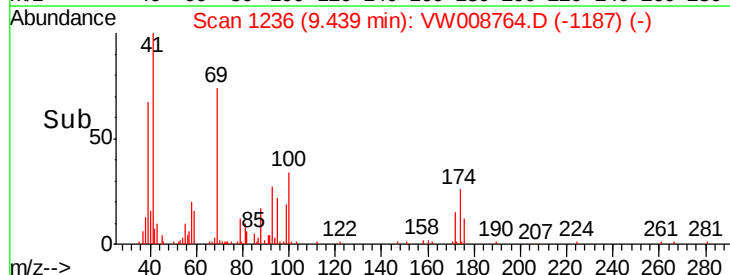
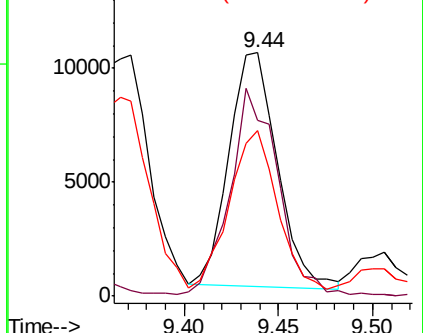
41 100

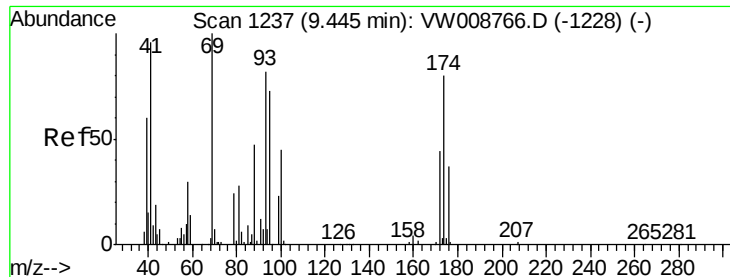
69 89.4 63.6 95.4

39 73.0 52.1 78.1



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

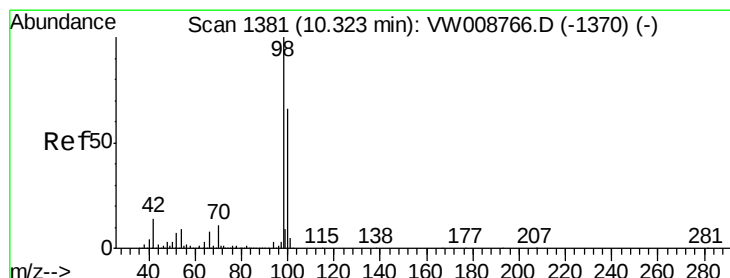
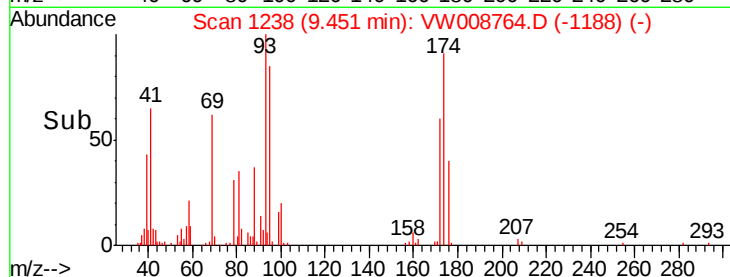
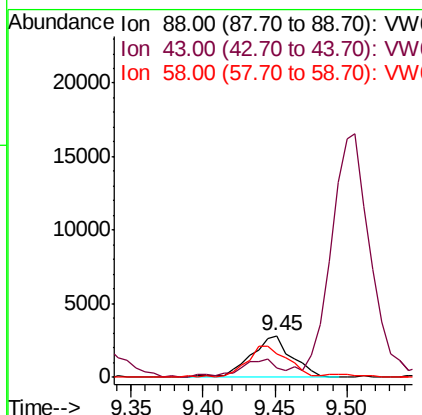
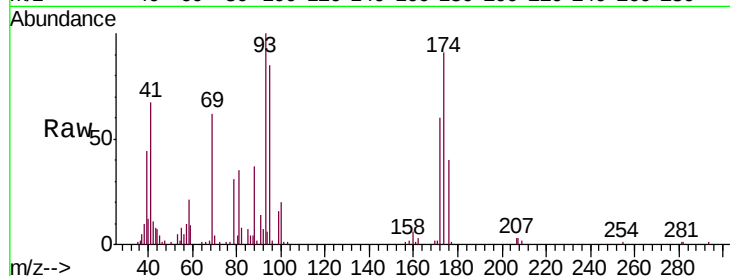




#49
1,4-Dioxane
Concen: 193.166 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

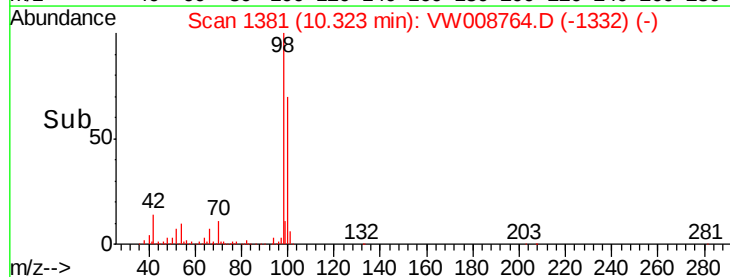
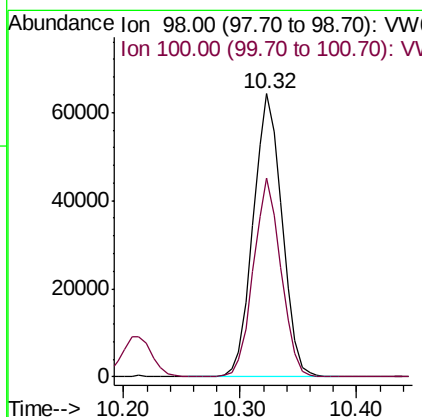
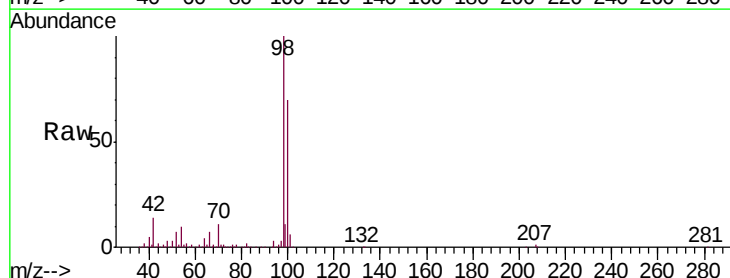
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

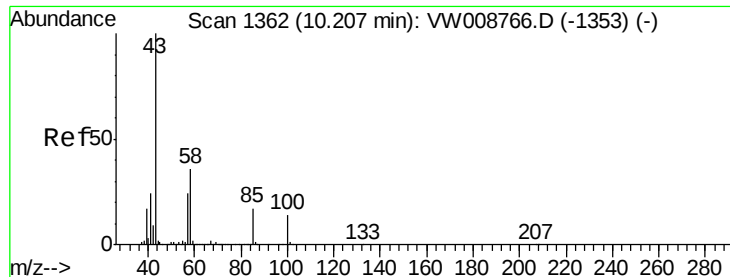
Tgt Ion: 88 Resp: 5438
Ion Ratio Lower Upper
88 100
43 41.9 29.0 43.4
58 76.2 52.0 78.0



#50
Toluene-d8
Concen: 9.971 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 98 Resp: 111210
Ion Ratio Lower Upper
98 100
100 67.1 52.4 78.6

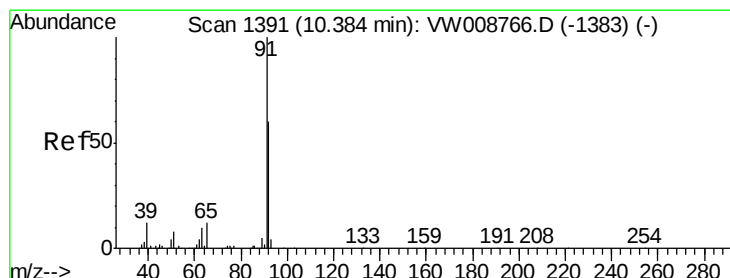
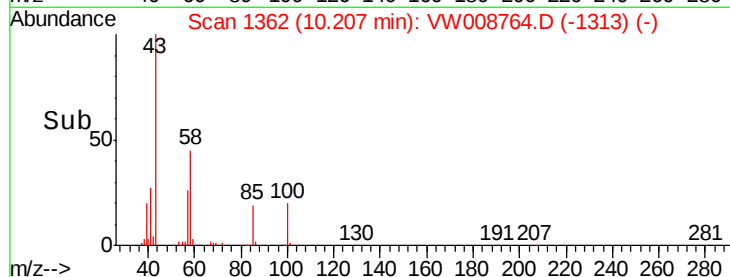
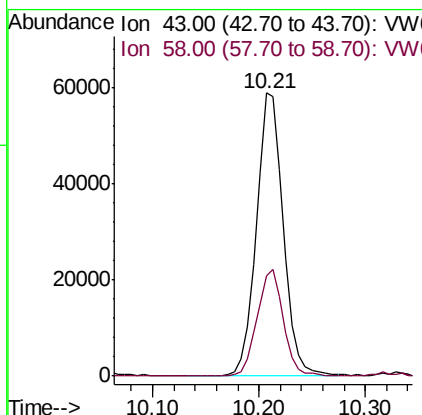
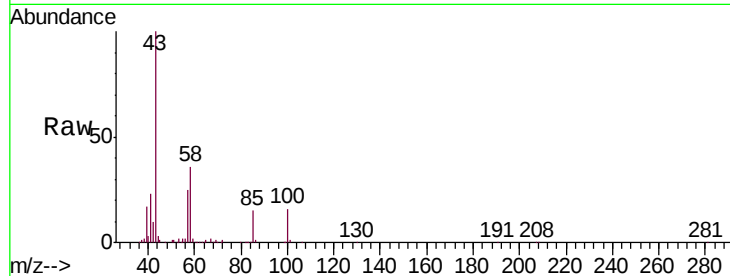




#51
 4-Methyl-2-Pentanone
 Concen: 47.319 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

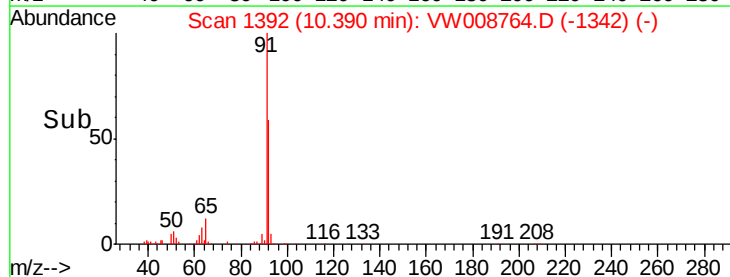
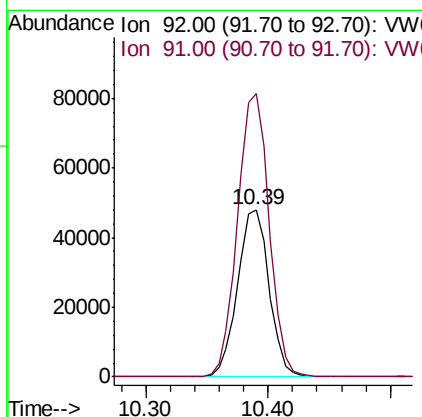
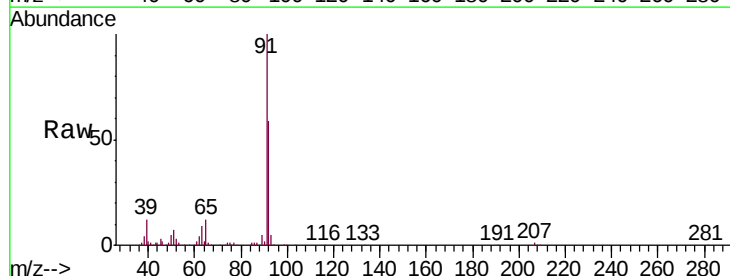
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

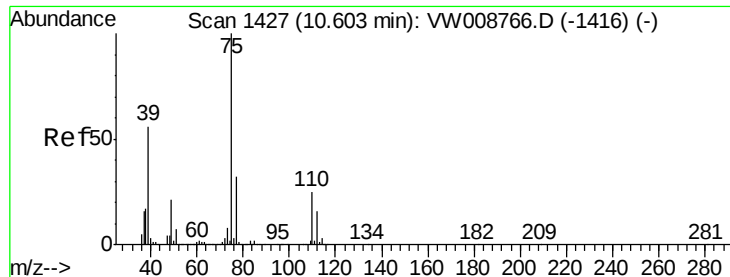
Tgt Ion: 43 Resp: 104440
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.1 43.7



#52
 Toluene
 Concen: 9.853 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion: 92 Resp: 85522
 Ion Ratio Lower Upper
 92 100
 91 170.5 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 9.255 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

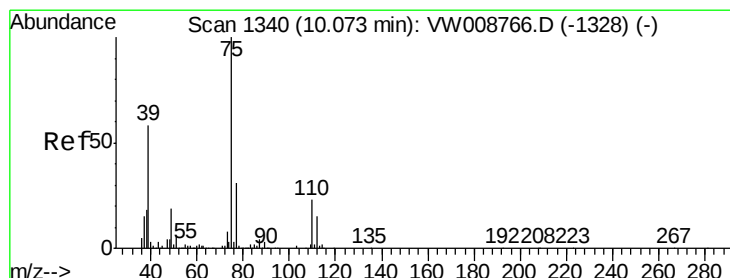
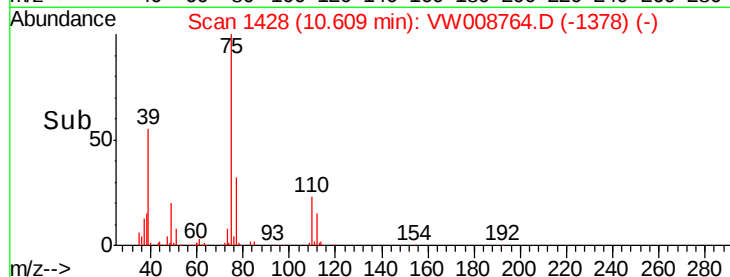
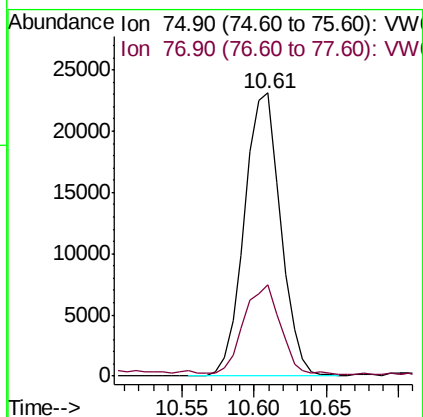
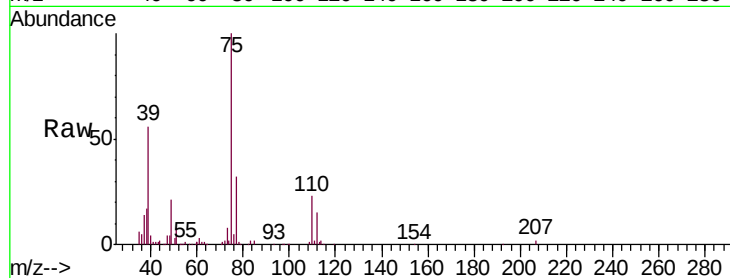
VSTDIC010

Tgt Ion: 75 Resp: 40346

Ion Ratio Lower Upper

75 100

77 31.5 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 9.482 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

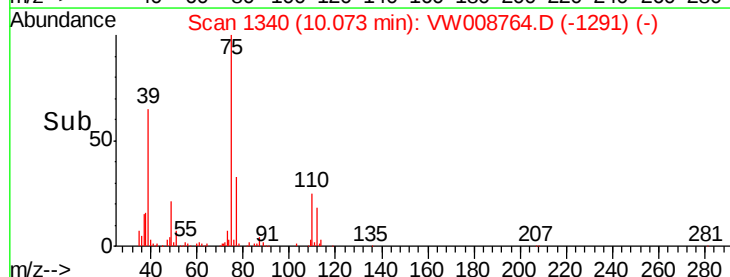
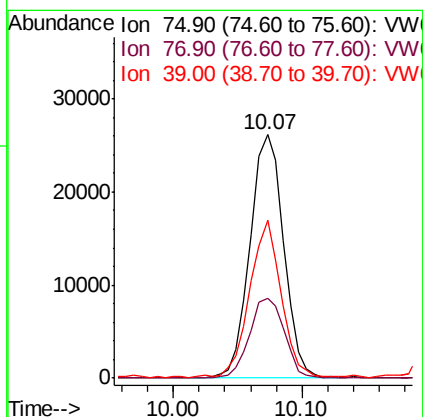
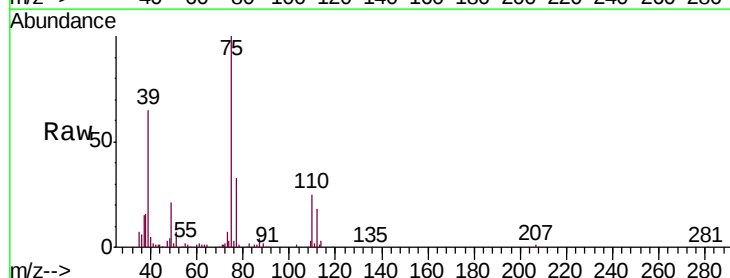
Tgt Ion: 75 Resp: 47147

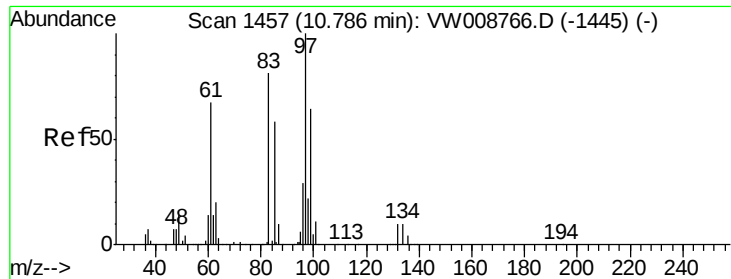
Ion Ratio Lower Upper

75 100

77 32.8 25.0 37.4

39 64.6 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 9.621 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

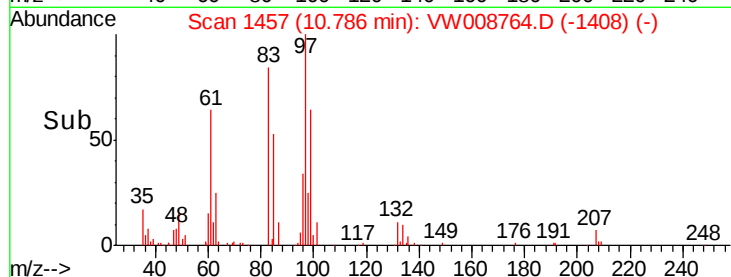
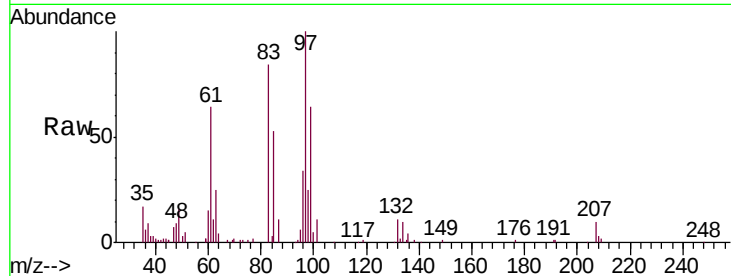
MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 22937

Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.0	97.6
85	52.9	46.0	69.0
99	64.2	51.1	76.7

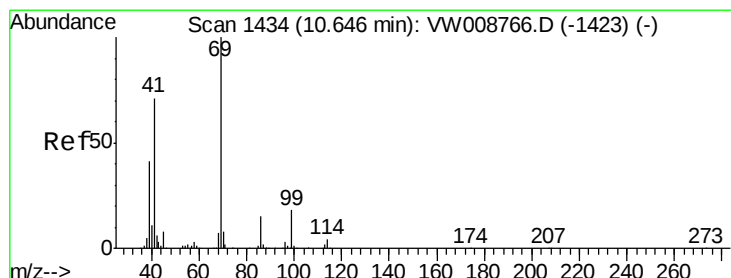


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 9.449 ug/l

RT: 10.65 min Scan# 1434

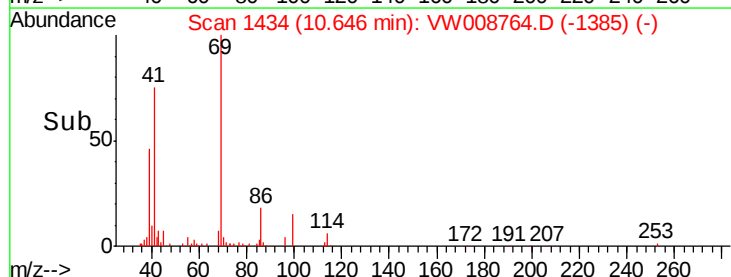
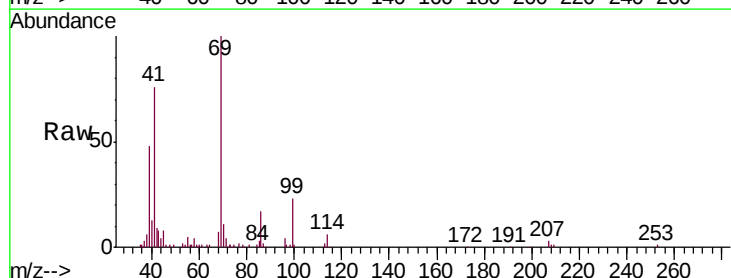
Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Tgt Ion: 69 Resp: 29267

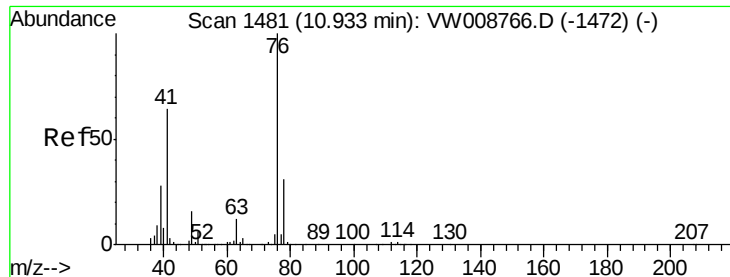
Ion	Ratio	Lower	Upper
69	100		
41	72.7	57.4	86.0
39	40.3	34.8	52.2



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

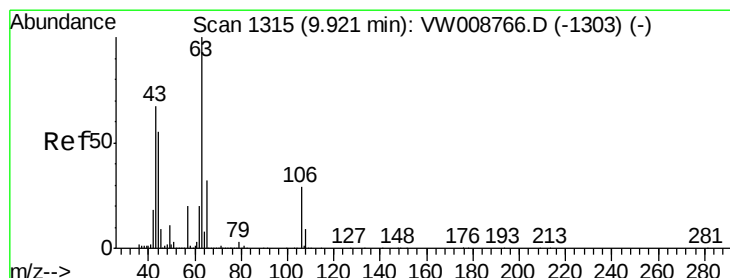
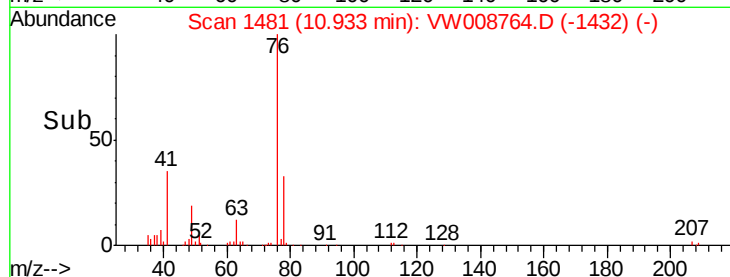
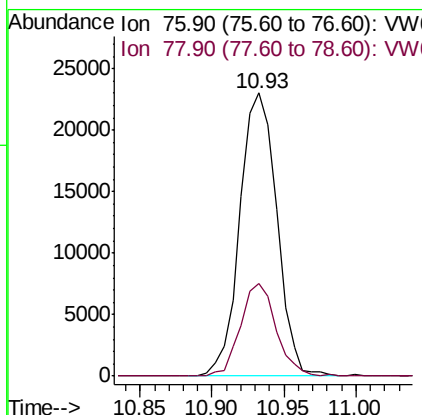
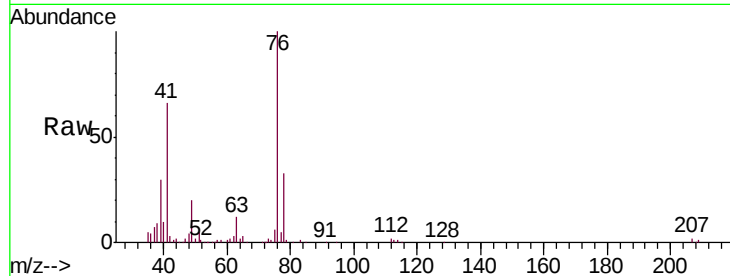
Ion 39.00 (38.70 to 39.70): VW



#57
 1,3-Dichloropropane
 Concen: 9.745 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

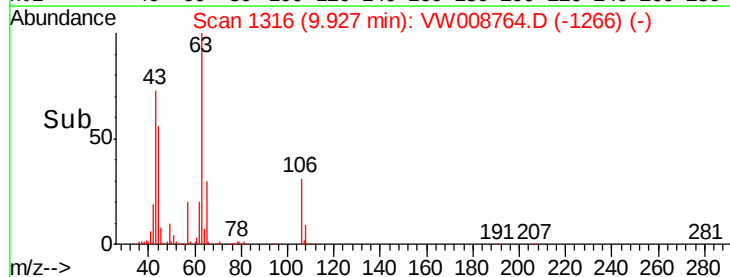
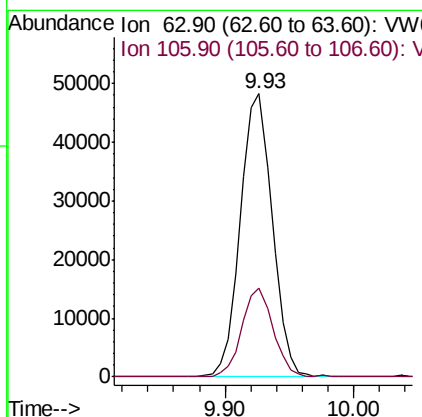
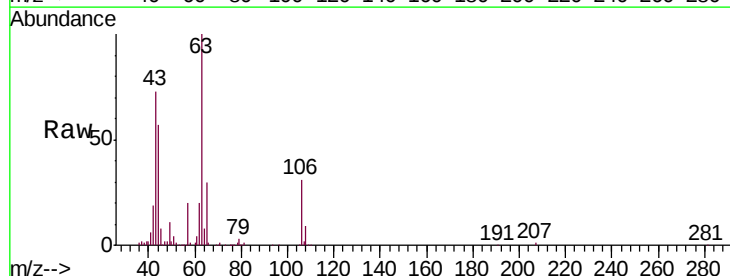
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

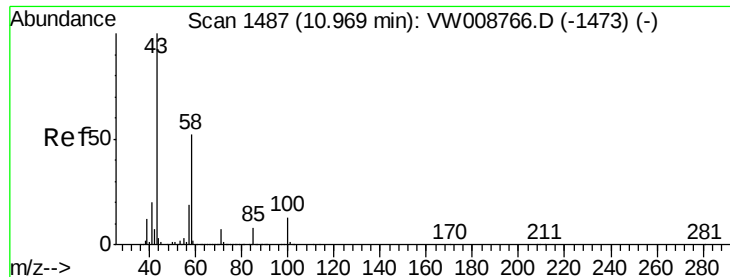
Tgt Ion: 76 Resp: 41018
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 53.155 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion: 63 Resp: 82806
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.0 36.0





#59

2-Hexanone

Concen: 47.922 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

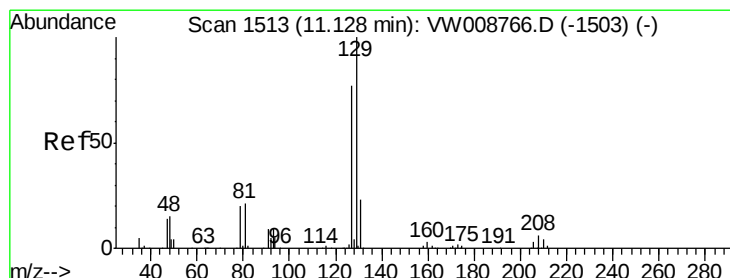
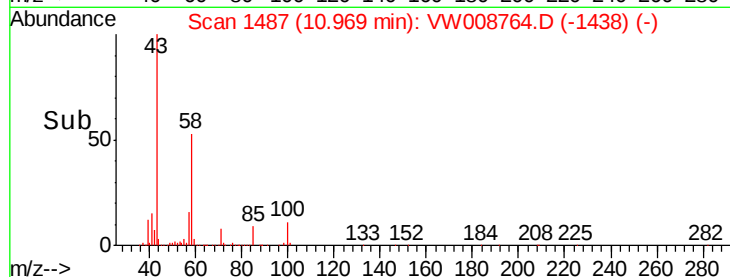
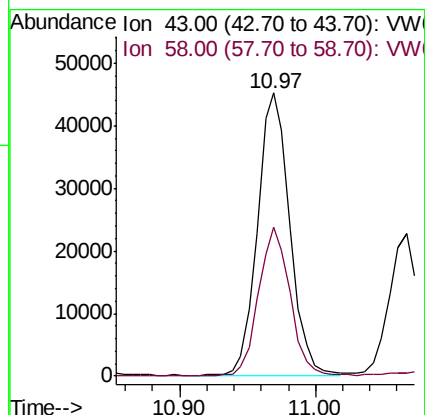
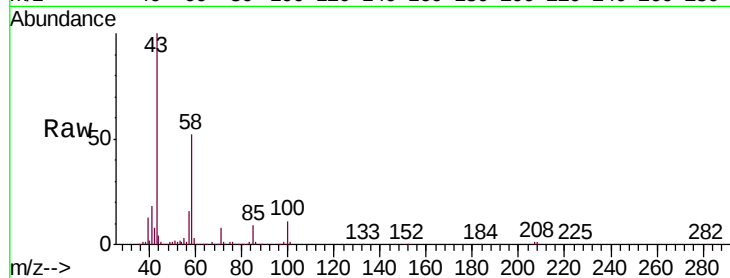
VSTDIC010

Tgt Ion: 43 Resp: 75292

Ion Ratio Lower Upper

43 100

58 51.8 25.3 75.8



#60

Dibromochloromethane

Concen: 9.435 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008764.D

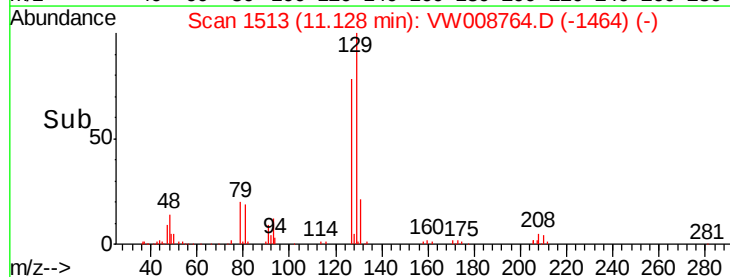
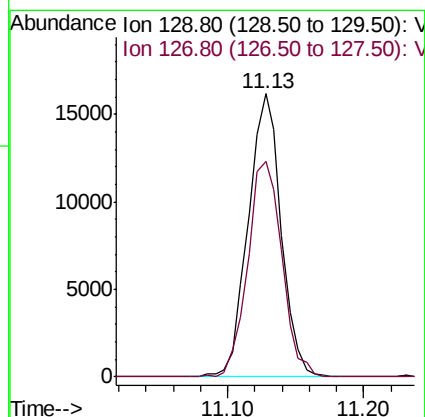
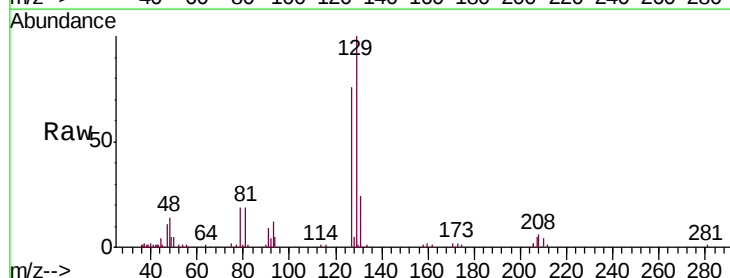
Acq: 21 Feb 2019 11:22

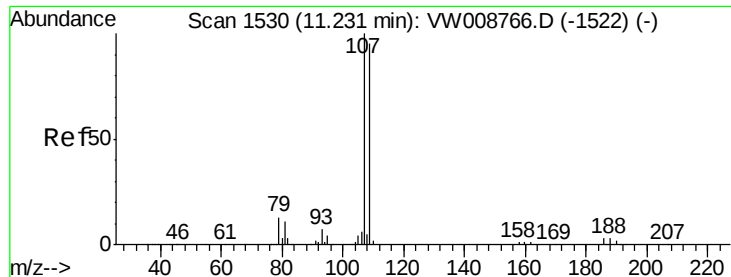
Tgt Ion: 129 Resp: 27437

Ion Ratio Lower Upper

129 100

127 79.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 10.050 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

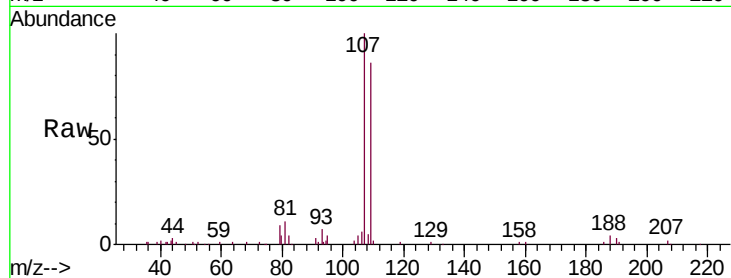
VSTDIC010

Tgt Ion: 107 Resp: 23716

Ion Ratio Lower Upper

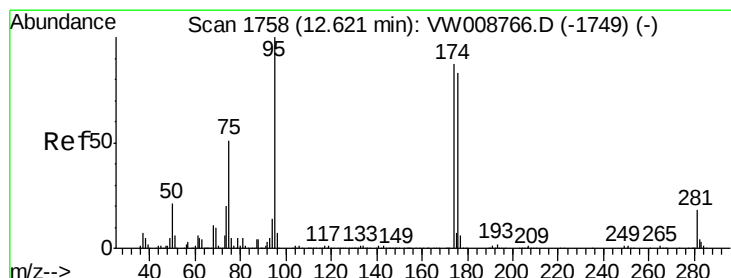
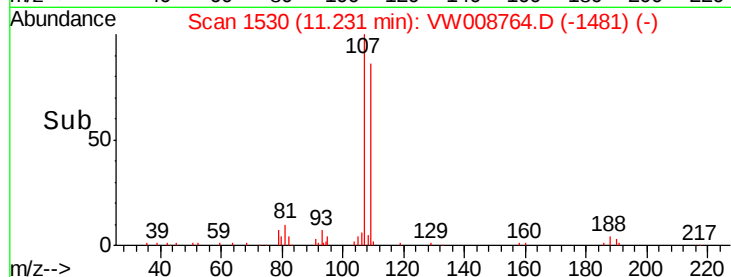
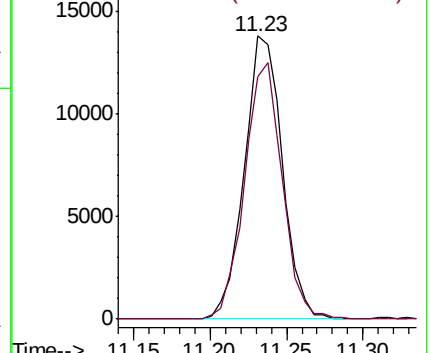
107 100

109 89.9 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.005 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

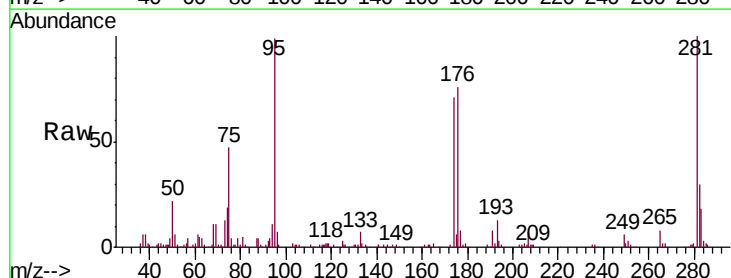
Tgt Ion: 95 Resp: 43691

Ion Ratio Lower Upper

95 100

174 85.2 0.0 169.2

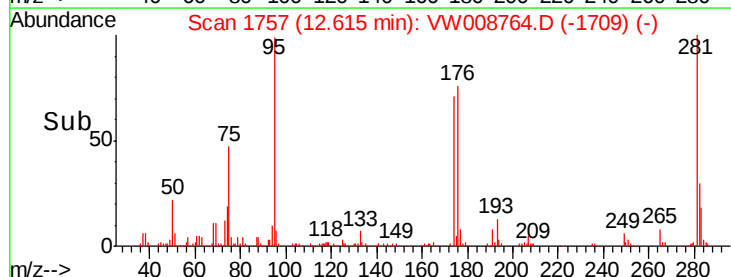
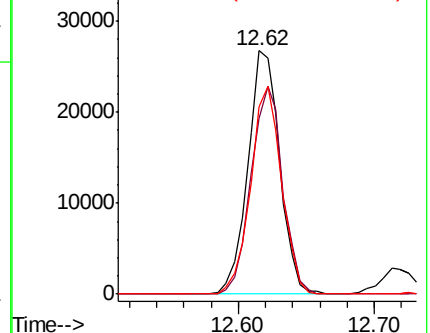
176 83.4 0.0 163.6

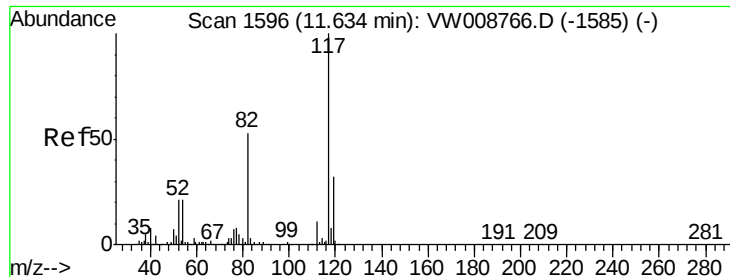


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

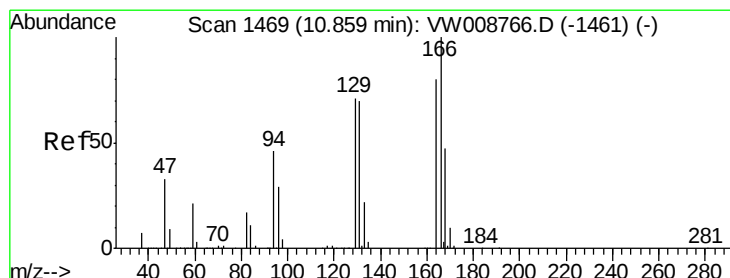
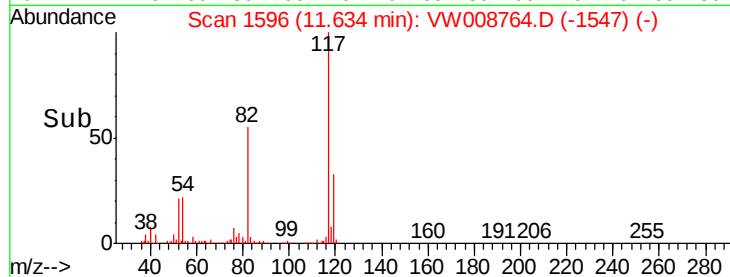
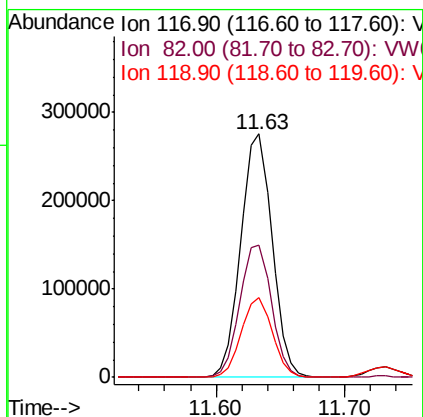
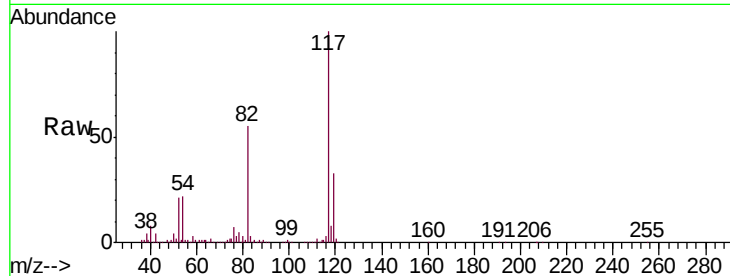




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

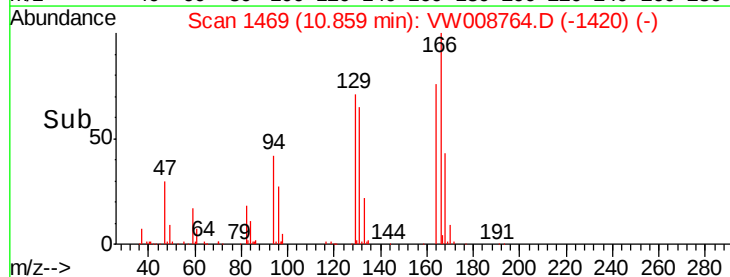
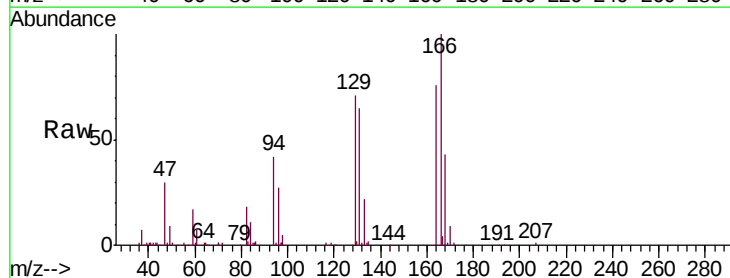
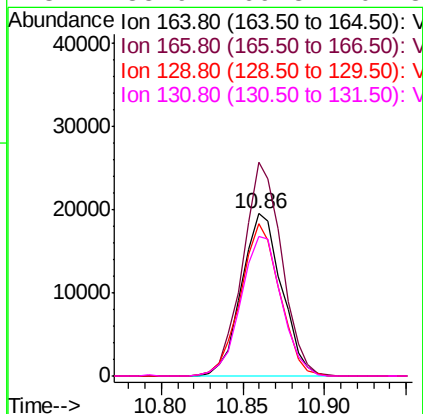
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

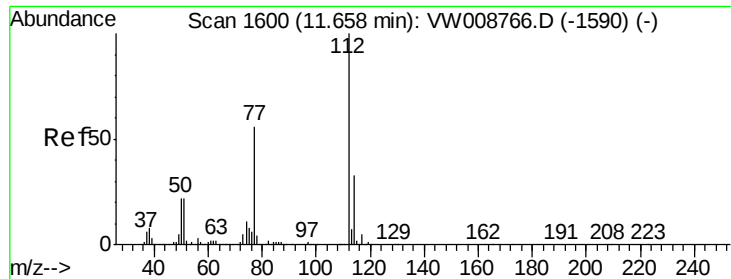
Tgt Ion:117 Resp: 464350
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 32.8 25.9 38.9



#64
Tetrachloroethene
Concen: 10.026 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion:164 Resp: 33325
Ion Ratio Lower Upper
164 100
166 131.7 99.5 149.3
129 93.8 71.1 106.7
131 85.9 69.8 104.8





#65

Chlorobenzene

Concen: 10.118 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

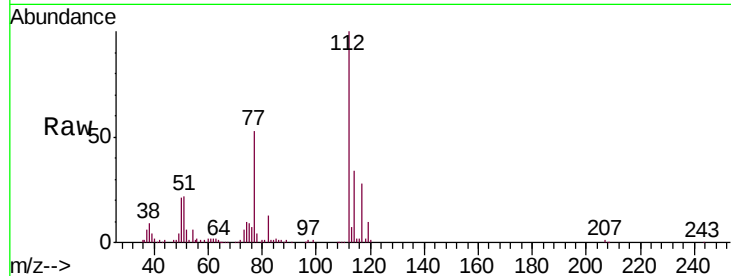
VSTDIC010

Tgt Ion:112 Resp: 98789

Ion Ratio Lower Upper

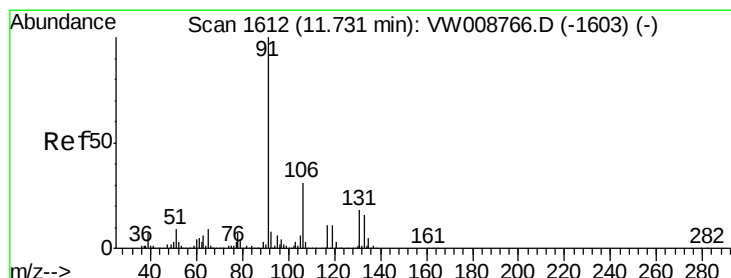
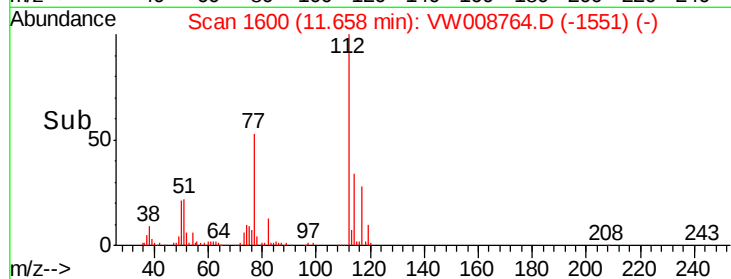
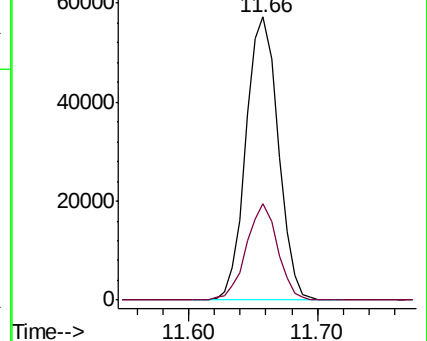
112 100

114 34.2 26.6 40.0



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: 9.930 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

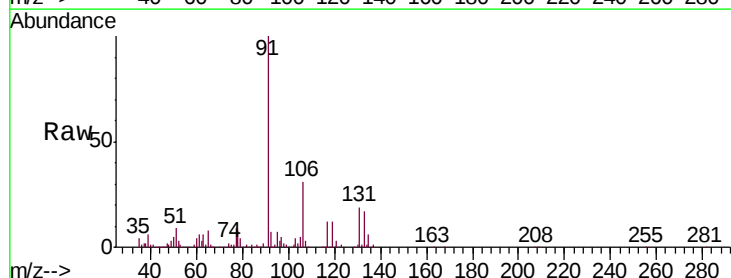
Tgt Ion:131 Resp: 32782

Ion Ratio Lower Upper

131 100

133 93.3 46.7 140.0

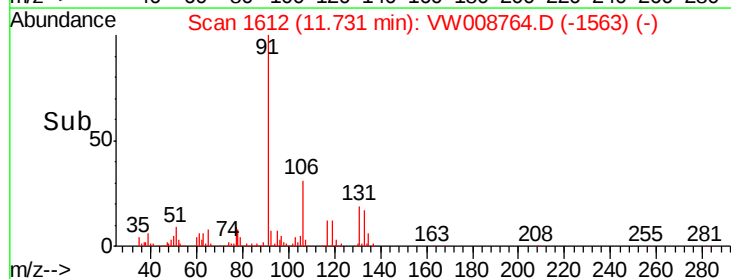
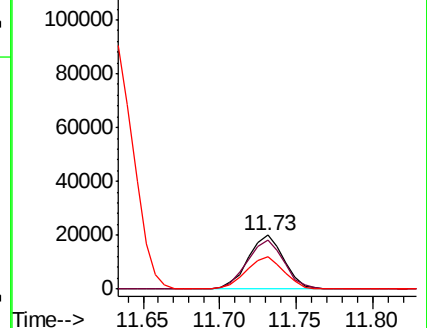
119 62.6 30.8 92.4

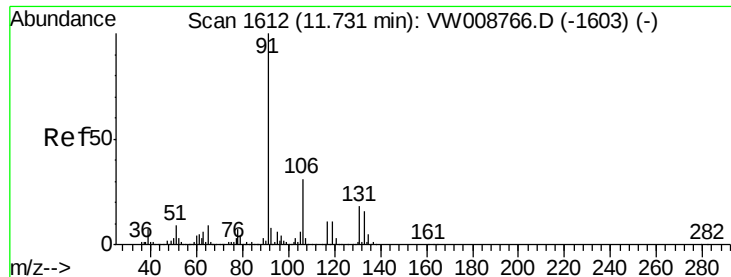


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

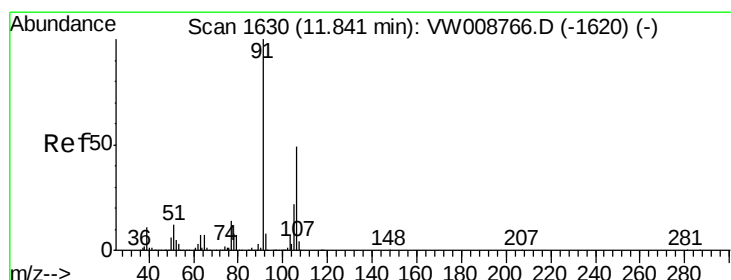
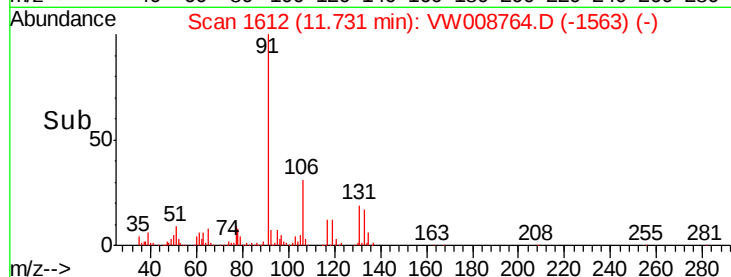
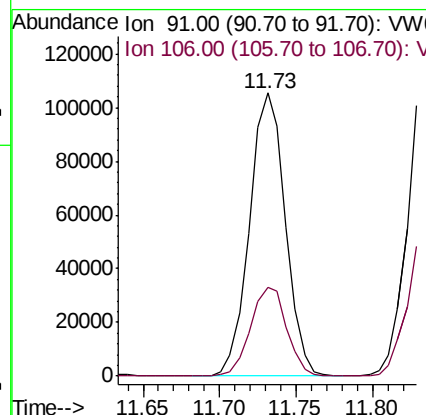
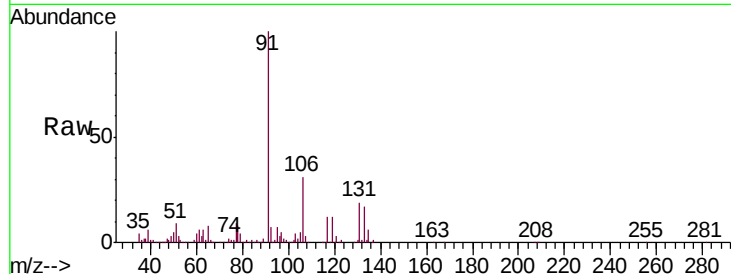




#67
Ethyl Benzene
Concen: 9.818 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

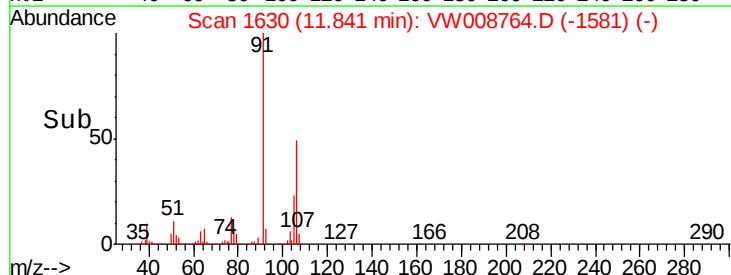
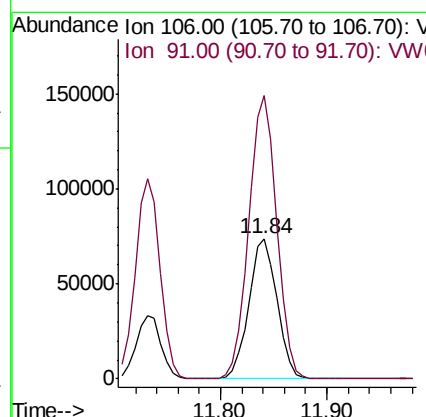
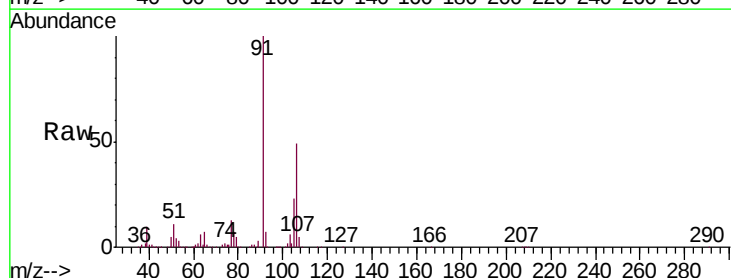
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

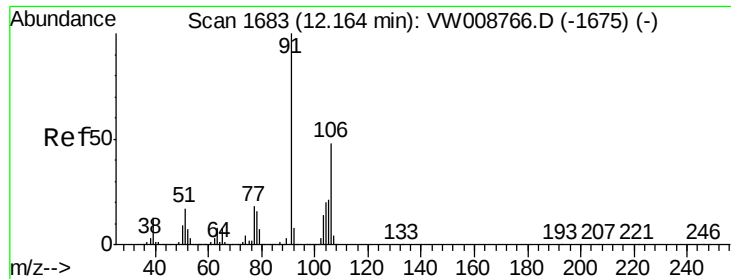
Tgt Ion: 91 Resp: 171369
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 19.658 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 106 Resp: 137096
Ion Ratio Lower Upper
106 100
91 200.1 161.5 242.3

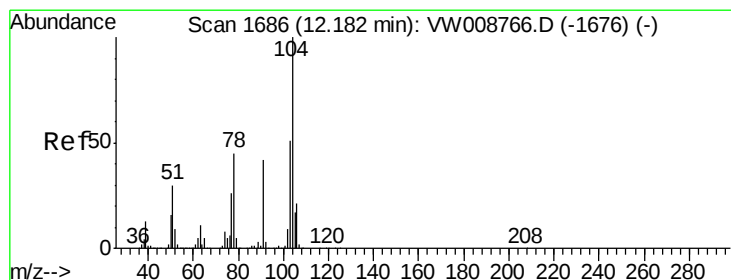
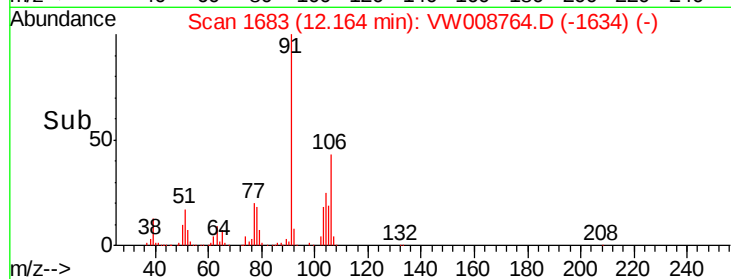
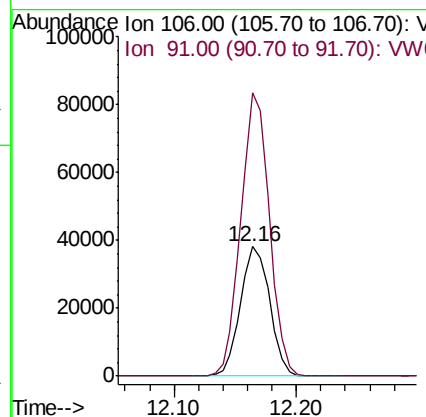
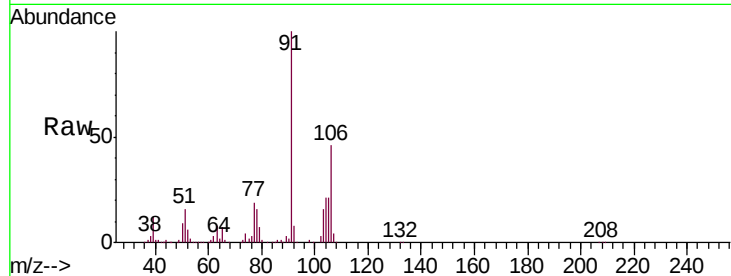




#69
o-Xylene
Concen: 9.706 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

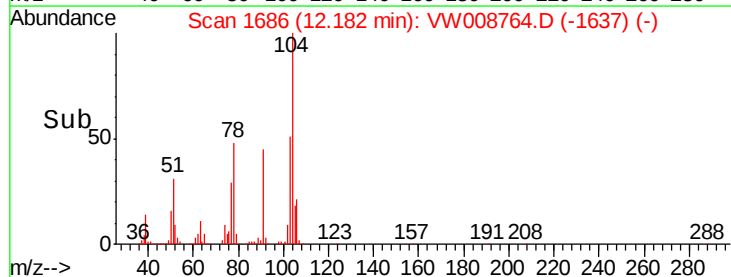
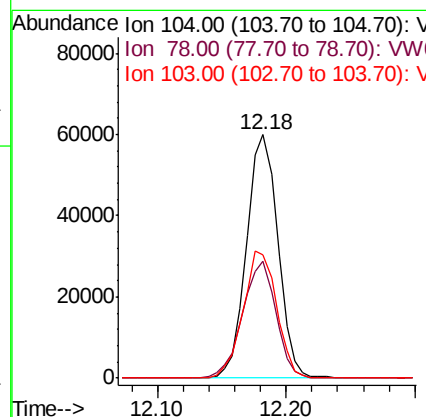
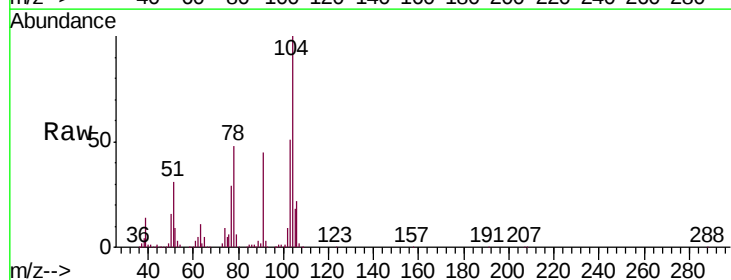
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

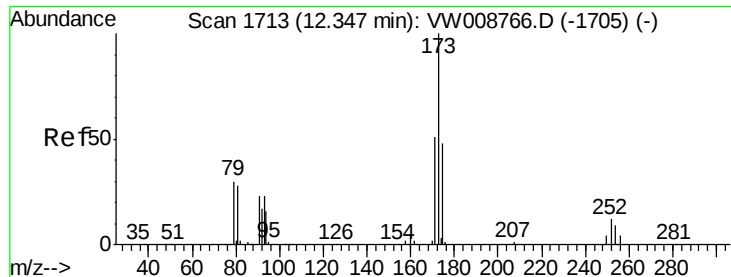
Tgt Ion:106 Resp: 63533
Ion Ratio Lower Upper
106 100
91 213.2 106.2 318.6



#70
Styrene
Concen: 9.559 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion:104 Resp: 100667
Ion Ratio Lower Upper
104 100
78 51.2 40.8 61.2
103 55.9 44.2 66.2





#71

Bromoform

Concen: 9.347 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

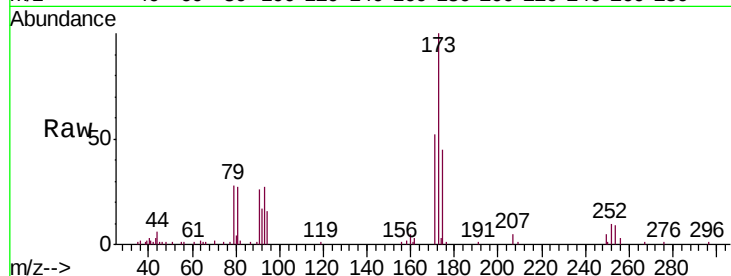
Tgt Ion:173 Resp: 16587

Ion Ratio Lower Upper

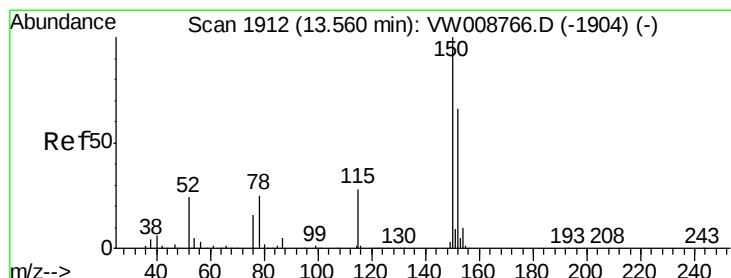
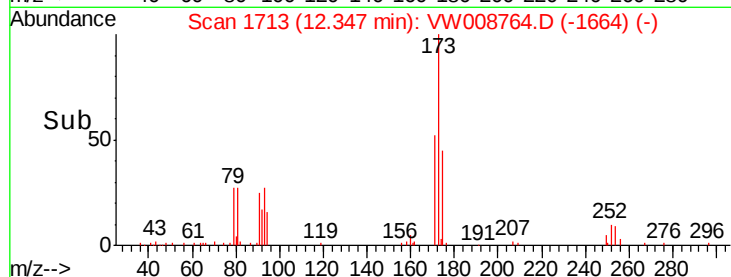
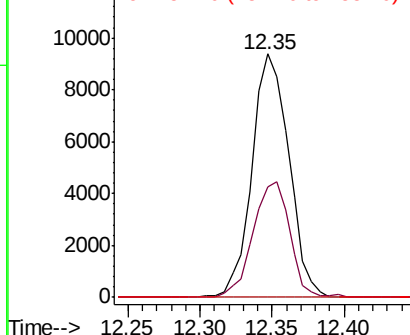
173 100

175 47.2 24.2 72.6

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

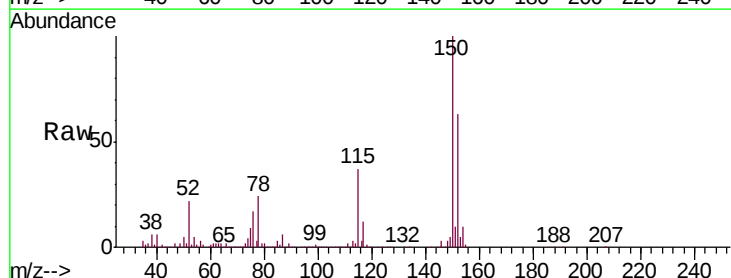
Tgt Ion:152 Resp: 263531

Ion Ratio Lower Upper

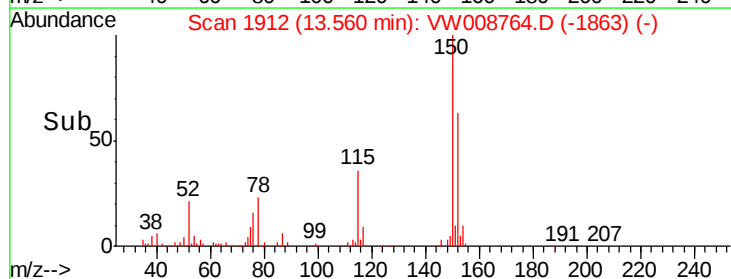
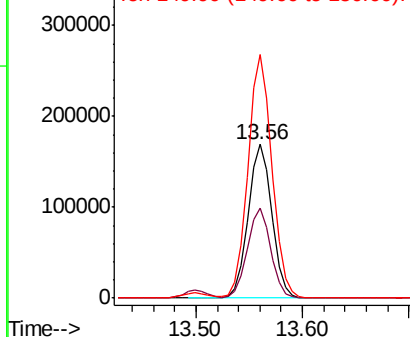
152 100

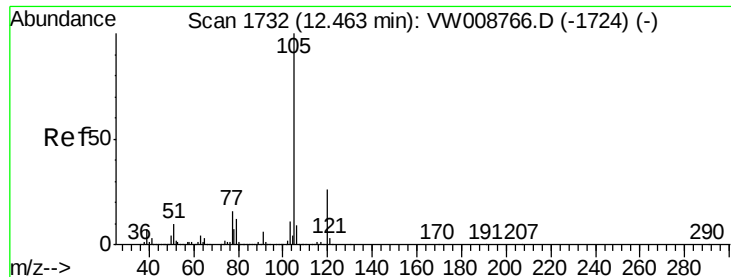
115 57.8 28.6 85.8

150 160.8 0.0 348.0



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: 9.473 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

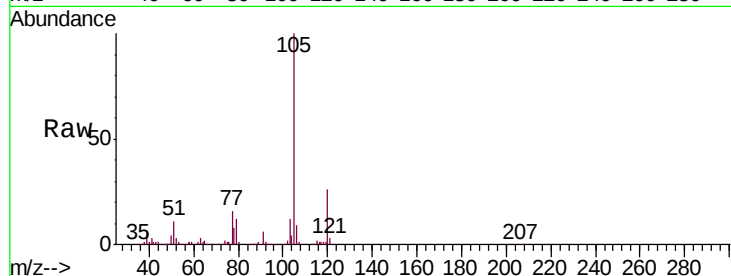
VSTDIC010

Tgt Ion:105 Resp: 171148

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

20000

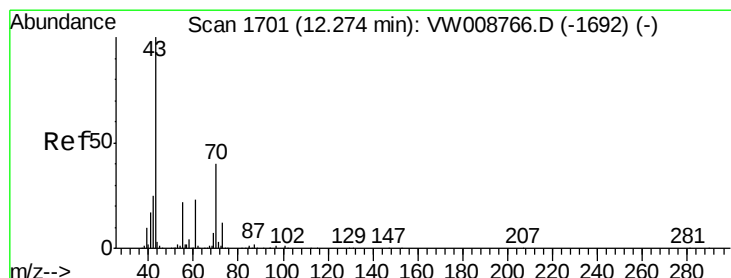
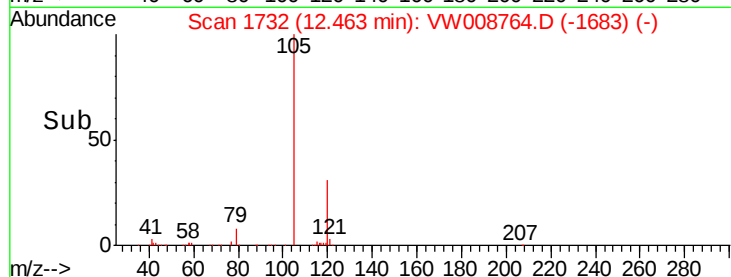
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 9.176 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Tgt Ion: 43 Resp: 41757

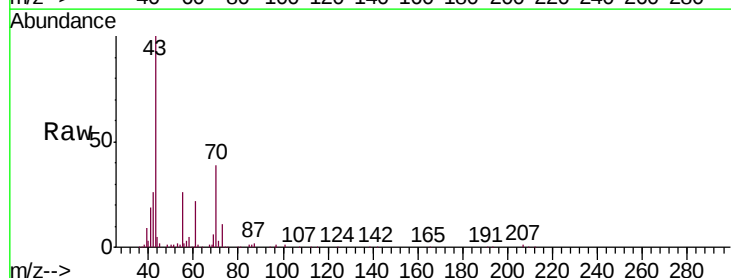
Ion Ratio Lower Upper

43 100

70 39.6 31.0 46.6

55 25.1 18.7 28.1

61 22.9 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

20000

10000

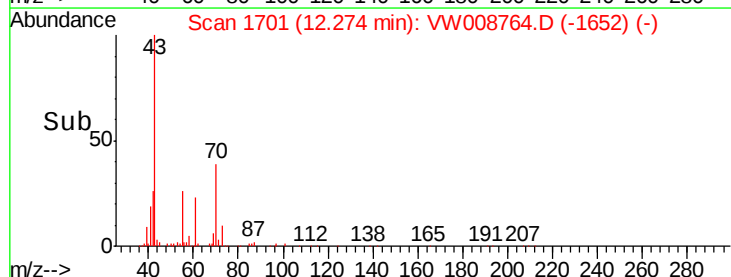
0

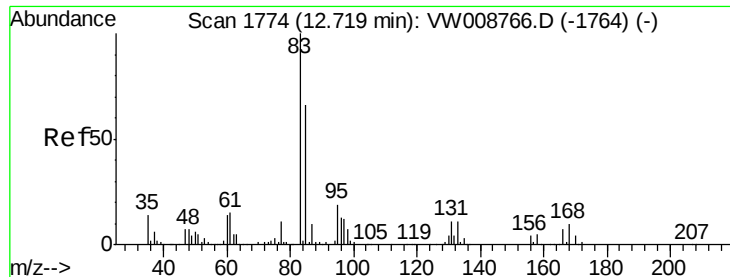
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 9.387 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

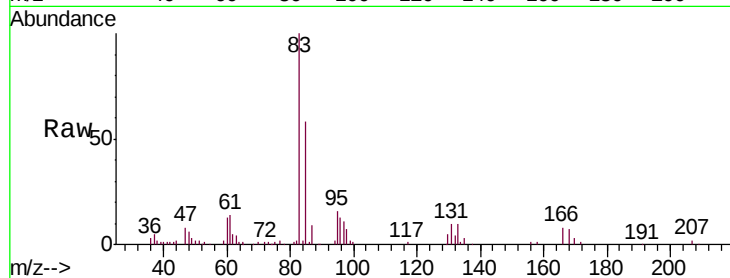
Tgt Ion: 83 Resp: 27709

Ion Ratio Lower Upper

83 100

131 12.2 5.5 16.7

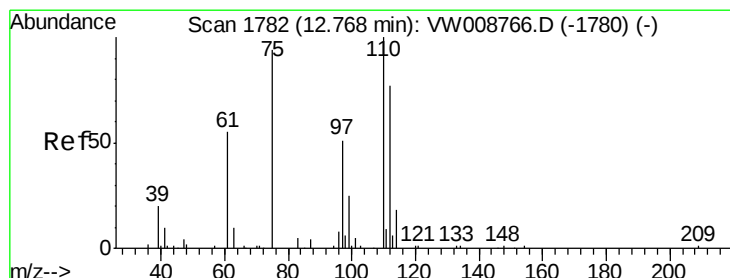
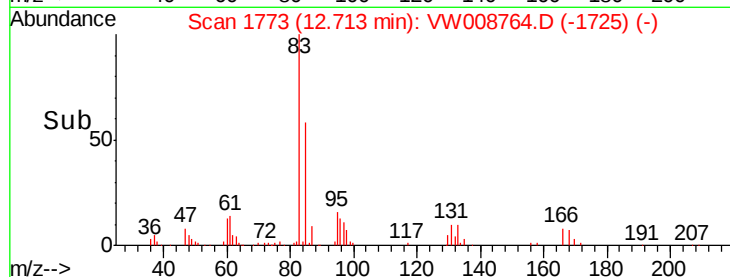
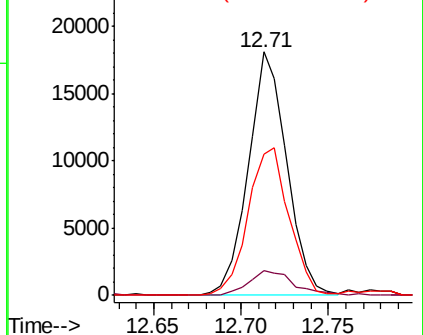
85 64.4 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 16.232 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008764.D

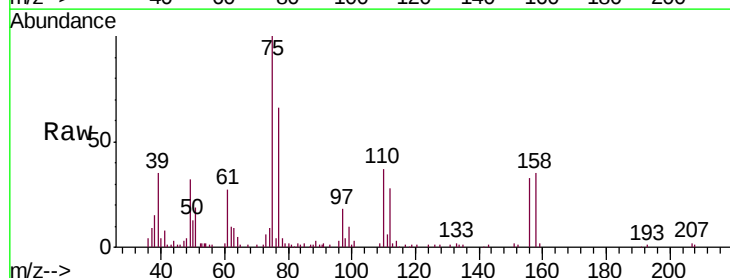
Acq: 21 Feb 2019 11:22

Tgt Ion: 75 Resp: 37008

Ion Ratio Lower Upper

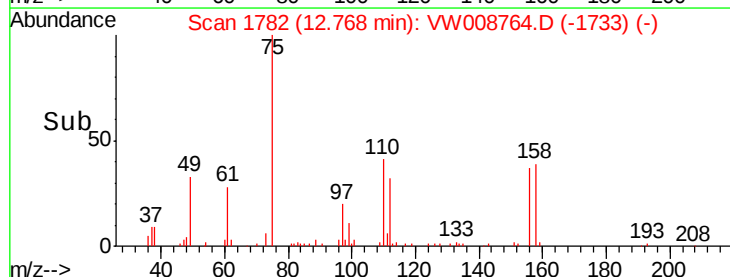
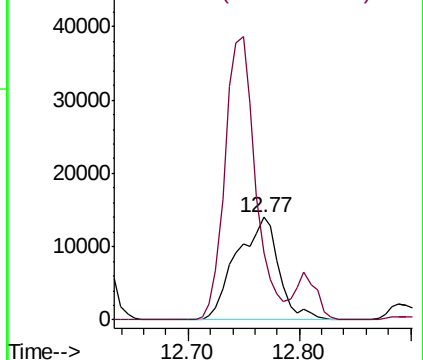
75 100

77 199.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.998 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

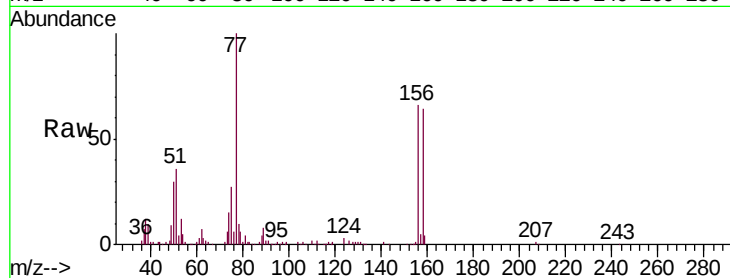
Tgt Ion:156 Resp: 42682

Ion Ratio Lower Upper

156 100

77 172.8 89.1 267.4

158 98.9 49.2 147.6

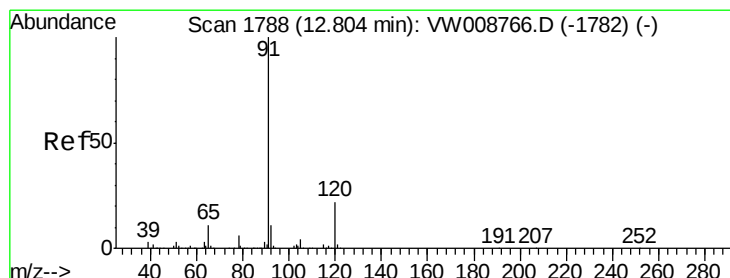
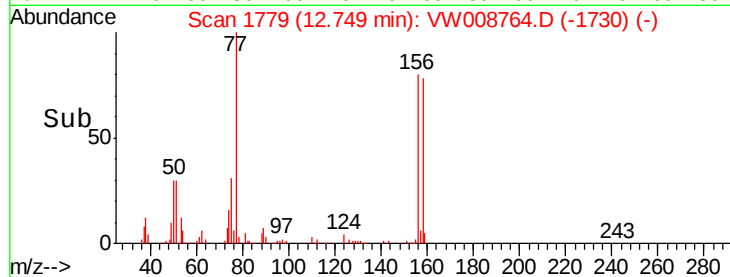
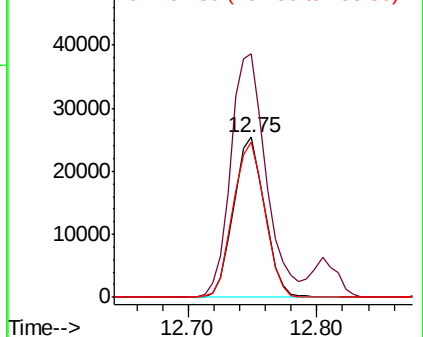


Abundance

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: 9.551 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008764.D

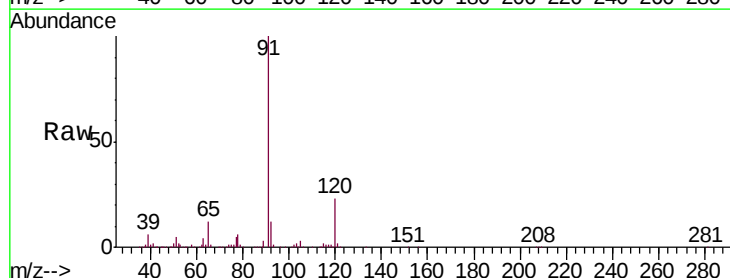
Acq: 21 Feb 2019 11:22

Tgt Ion: 91 Resp: 211077

Ion Ratio Lower Upper

91 100

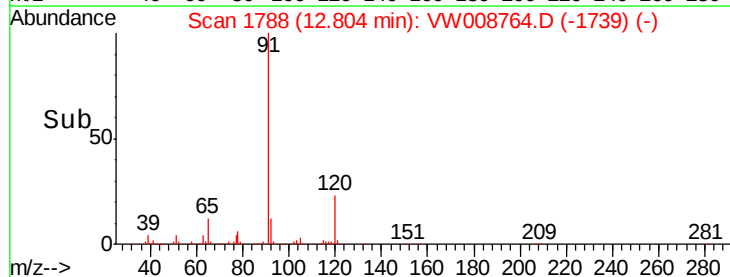
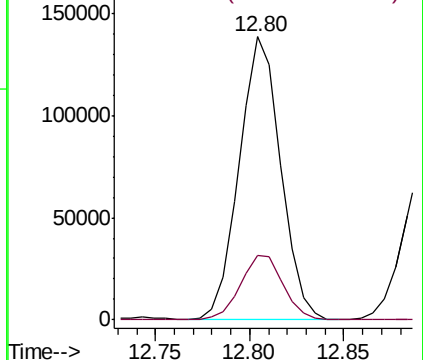
120 23.6 11.5 34.4

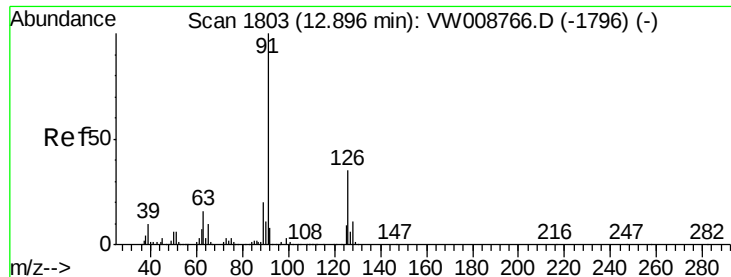


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 9.667 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

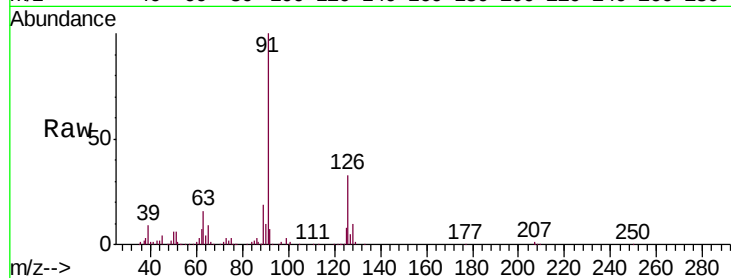
VSTDIC010

Tgt Ion: 91 Resp: 121288

Ion Ratio Lower Upper

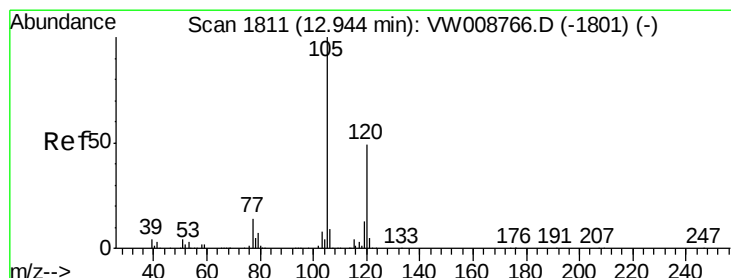
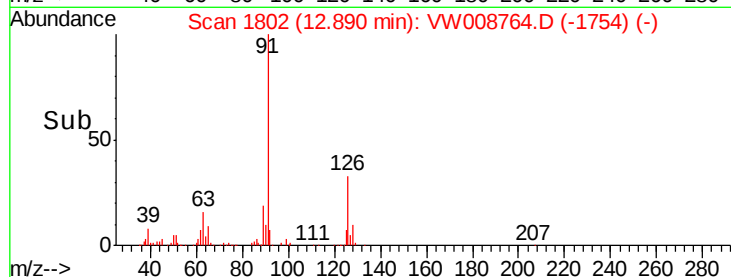
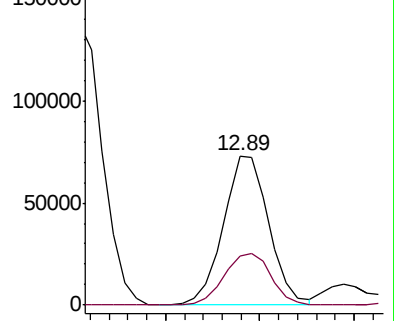
91 100

126 36.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.593 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008764.D

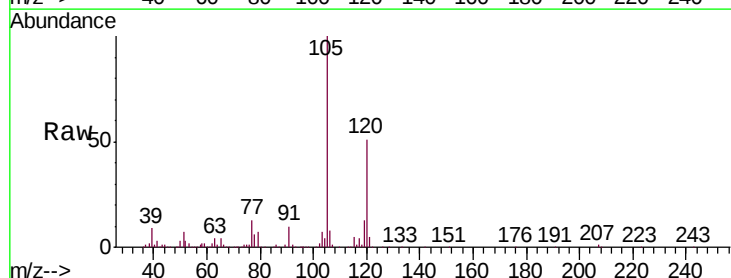
Acq: 21 Feb 2019 11:22

Tgt Ion: 105 Resp: 150603

Ion Ratio Lower Upper

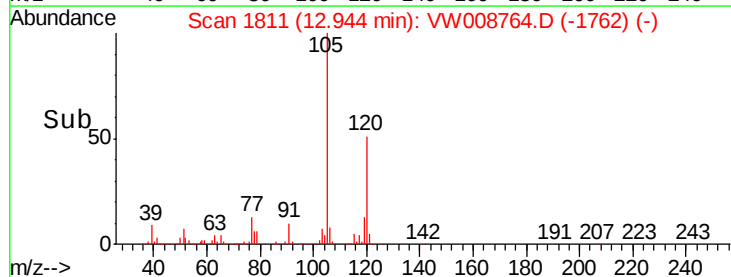
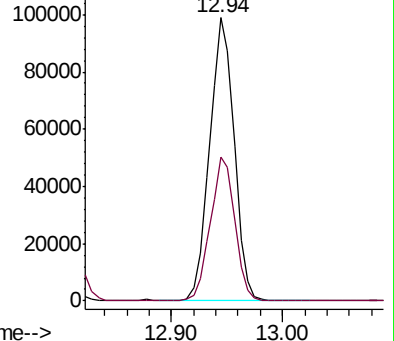
105 100

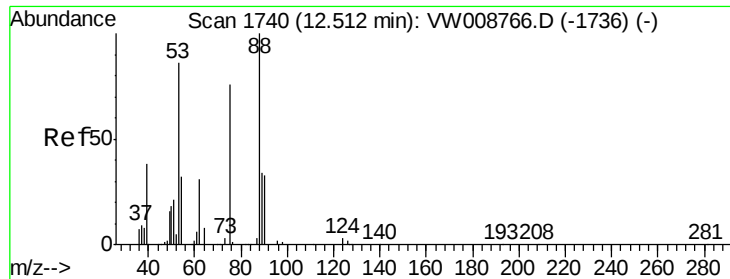
120 50.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.038 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

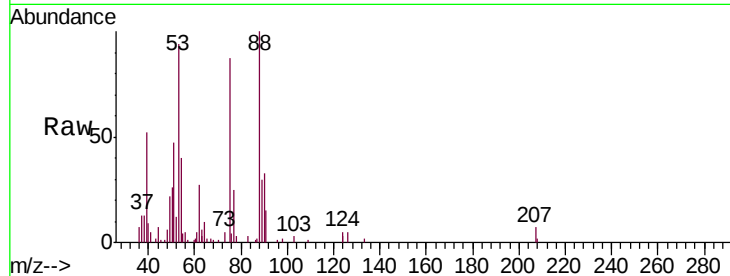
Tgt Ion: 75 Resp: 8089

Ion Ratio Lower Upper

75 100

53 113.5 88.2 132.2

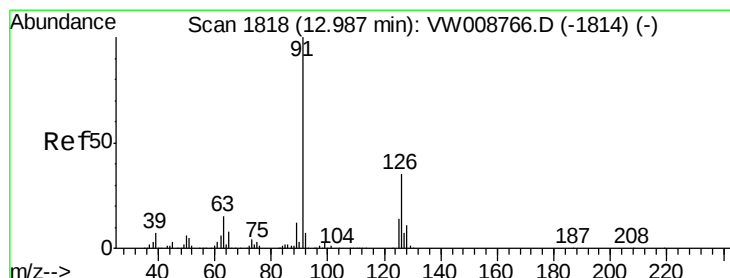
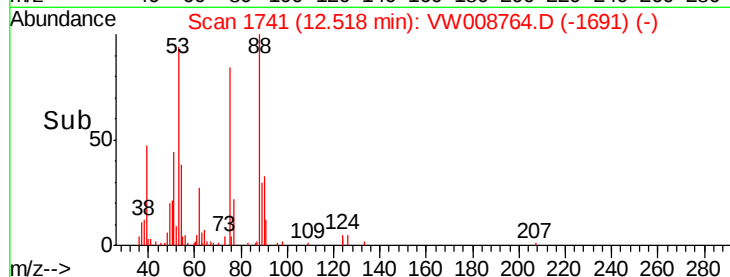
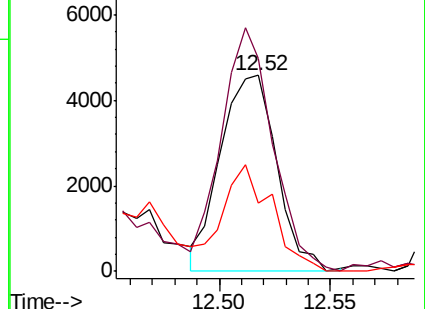
89 48.0 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 9.654 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008764.D

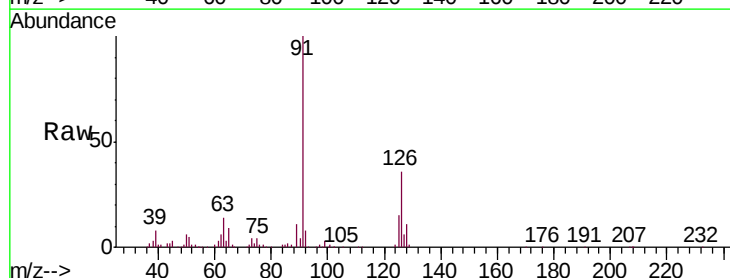
Acq: 21 Feb 2019 11:22

Tgt Ion: 91 Resp: 127643

Ion Ratio Lower Upper

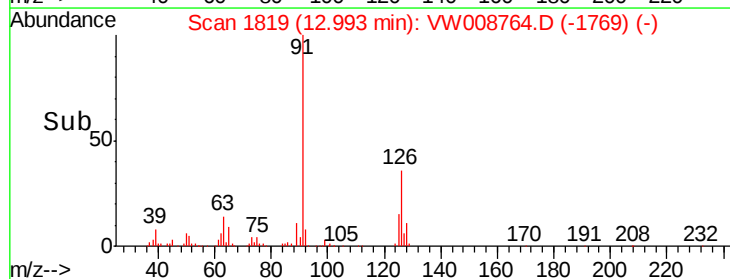
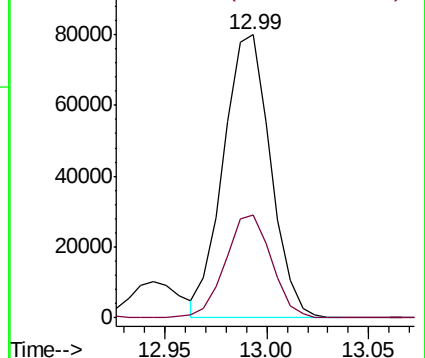
91 100

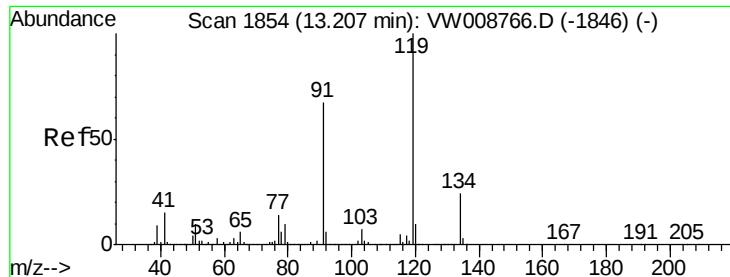
126 35.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 10.016 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

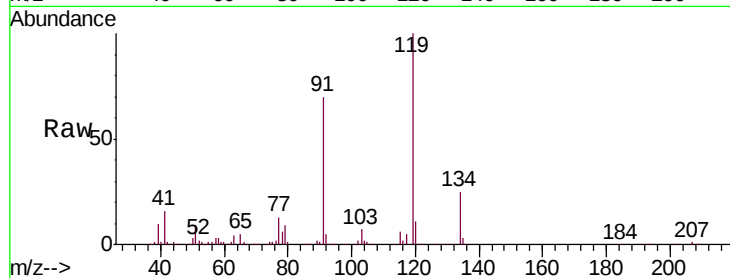
Tgt Ion:119 Resp: 135966

Ion Ratio Lower Upper

119 100

91 63.5 33.6 100.8

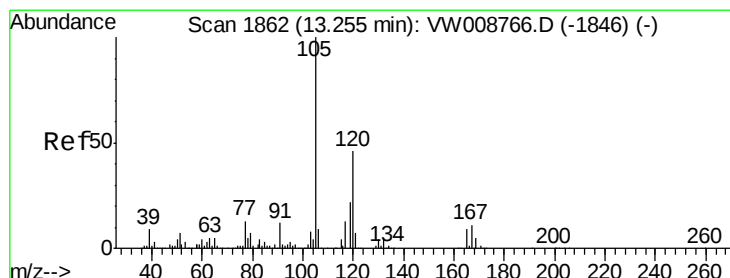
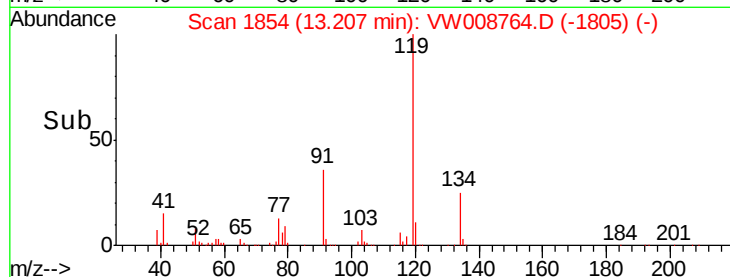
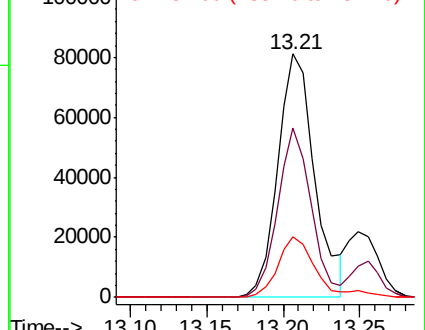
134 25.9 13.7 41.1



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: 9.634 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008764.D

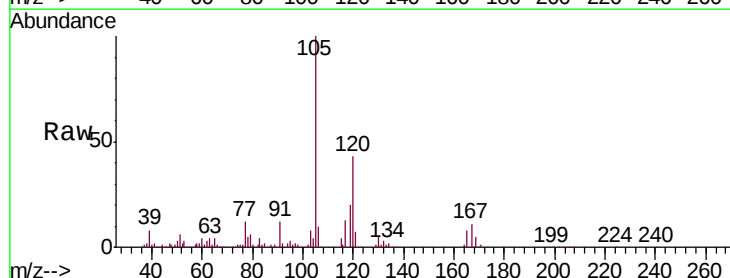
Acq: 21 Feb 2019 11:22

Tgt Ion:105 Resp: 156572

Ion Ratio Lower Upper

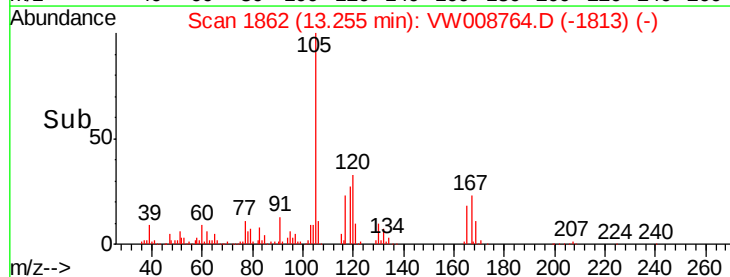
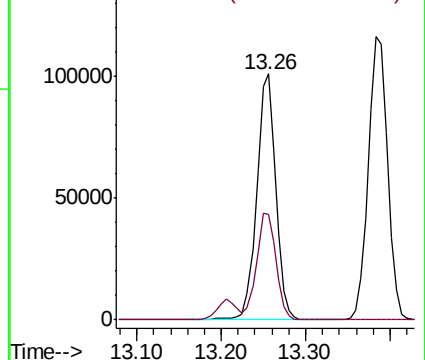
105 100

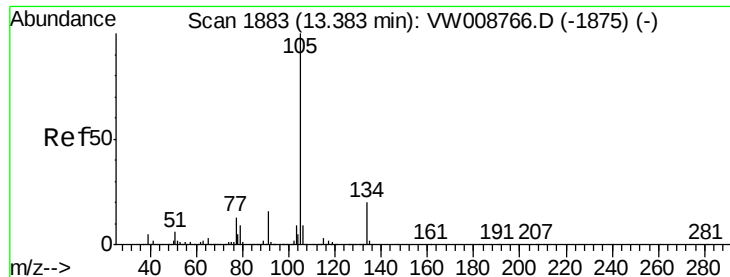
120 44.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

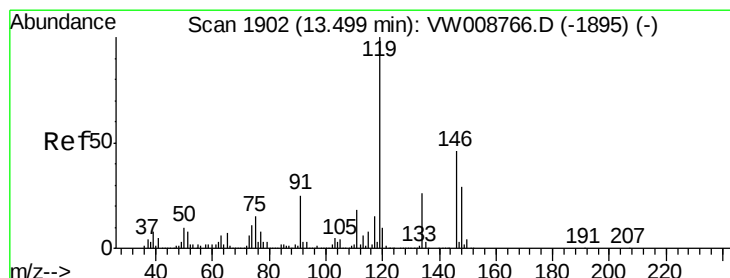
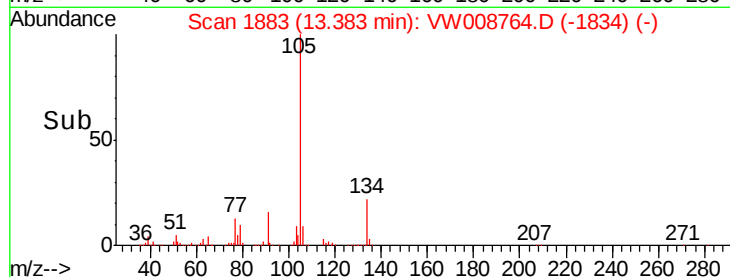
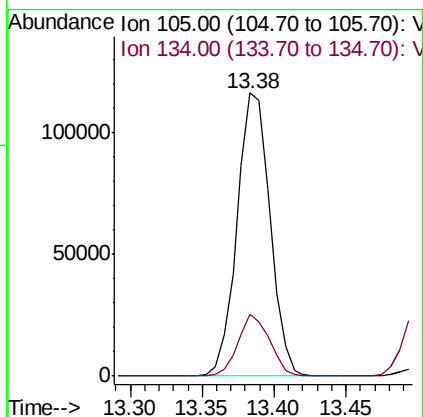
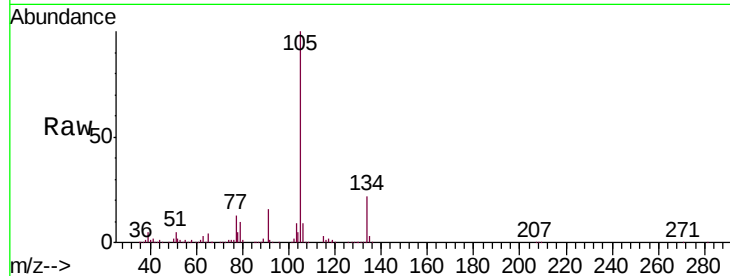




#85
 sec-Butylbenzene
 Concen: 9.492 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

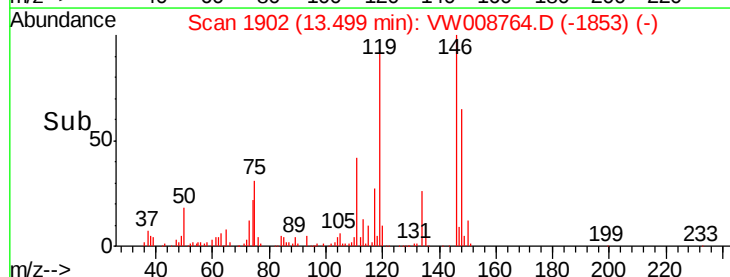
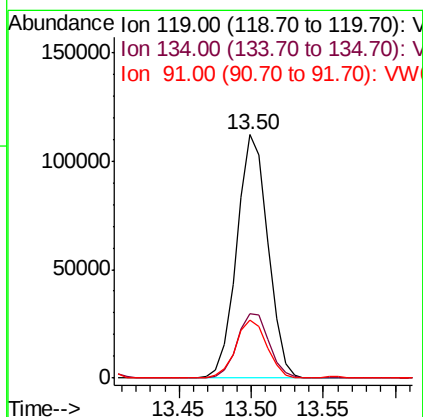
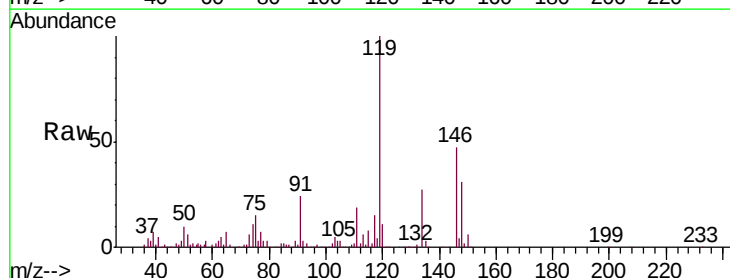
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

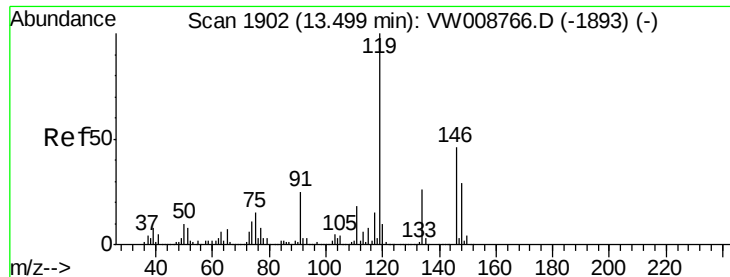
Tgt Ion:105 Resp: 185288
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 9.404 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion:119 Resp: 168280
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.1 39.3
 91 23.8 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 9.652 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

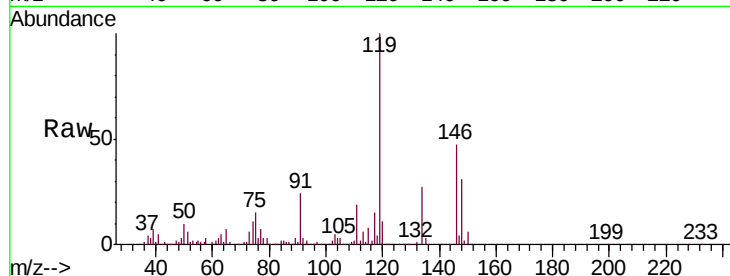
Tgt Ion:146 Resp: 85497

Ion Ratio Lower Upper

146 100

111 39.7 19.9 59.7

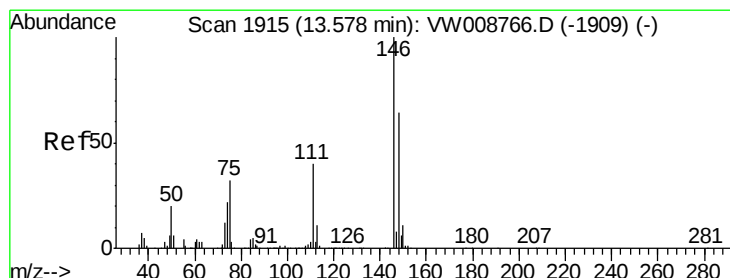
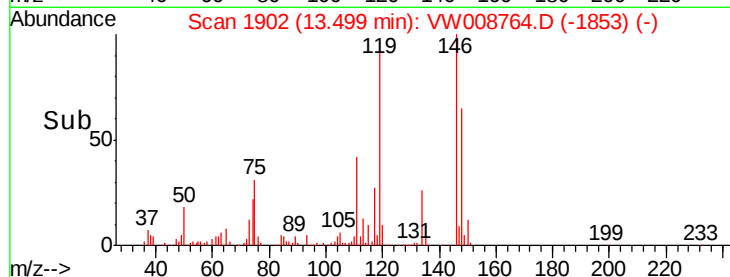
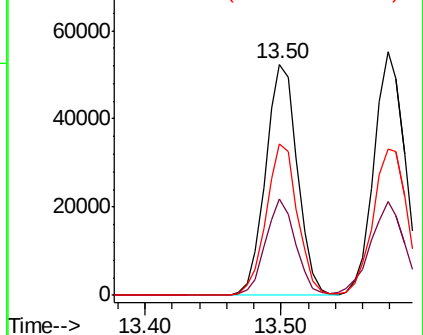
148 65.0 31.6 94.8



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



#88

1,4-Dichlorobenzene

Concen: 9.993 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008764.D

Acq: 21 Feb 2019 11:22

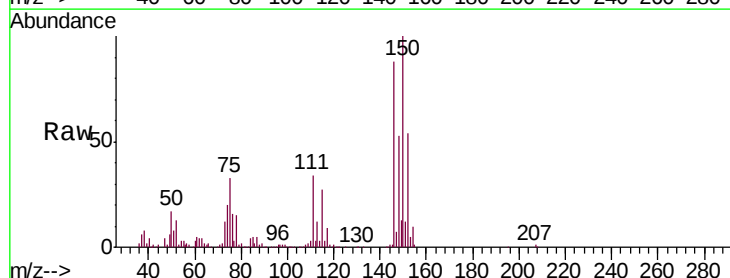
Tgt Ion:146 Resp: 87235

Ion Ratio Lower Upper

146 100

111 41.9 19.3 57.9

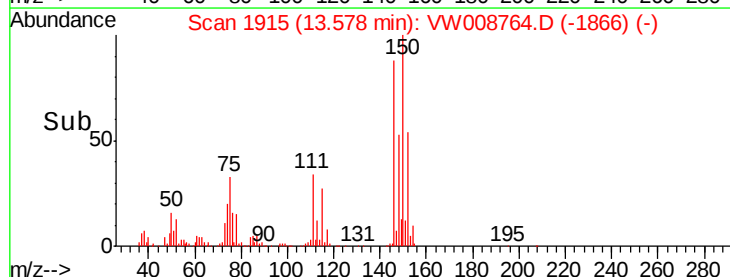
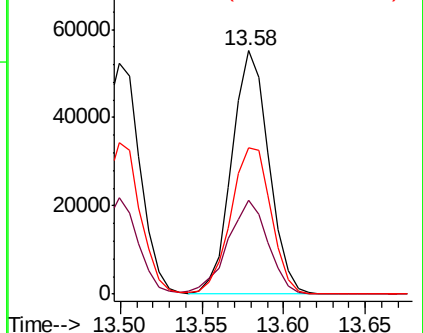
148 65.7 31.9 95.9

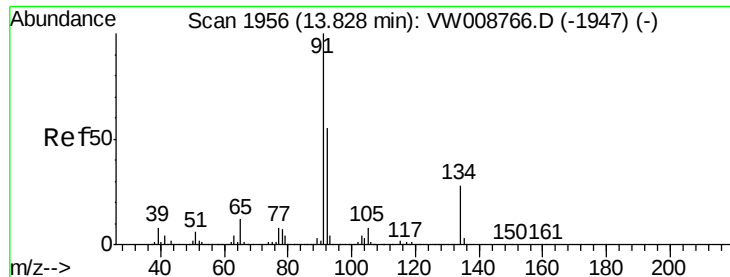


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

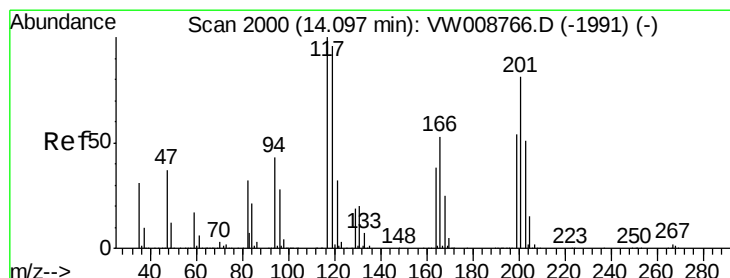
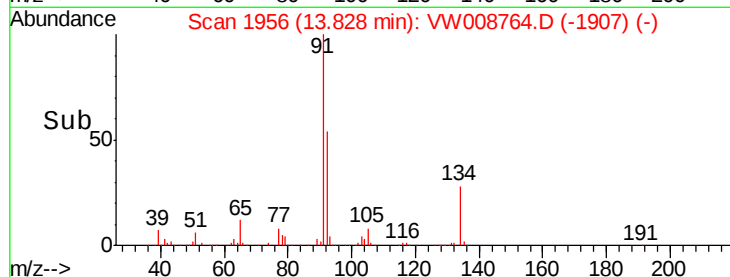
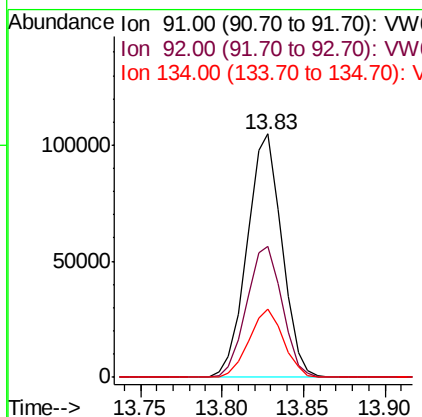
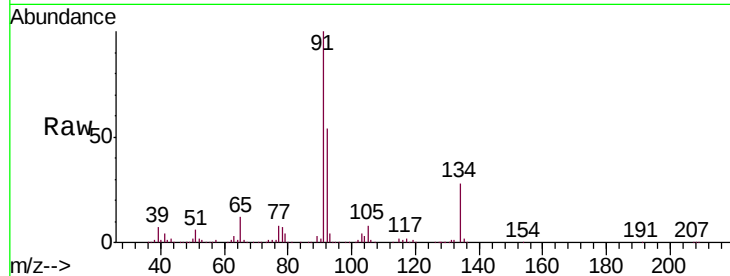




#89
n-Butylbenzene
Concen: 9.315 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

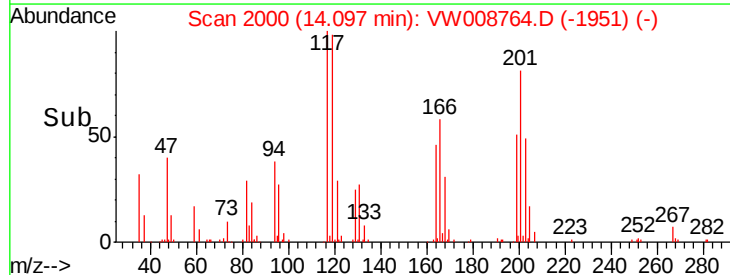
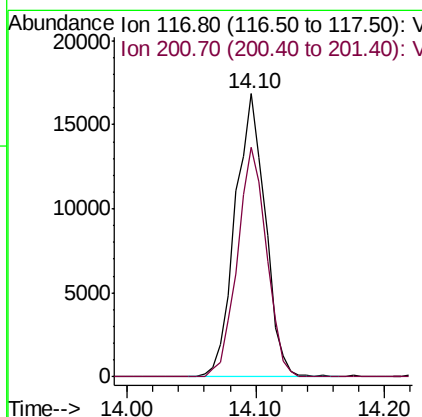
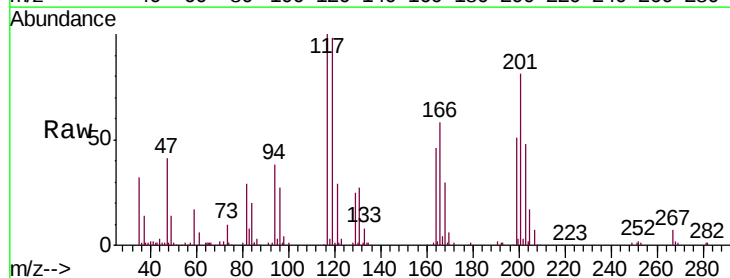
Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion: 91 Resp: 156152
Ion Ratio Lower Upper
91 100
92 55.0 26.8 80.4
134 27.8 13.5 40.4



#90
Hexachloroethane
Concen: 9.335 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion: 117 Resp: 27345
Ion Ratio Lower Upper
117 100
201 78.4 40.3 120.8

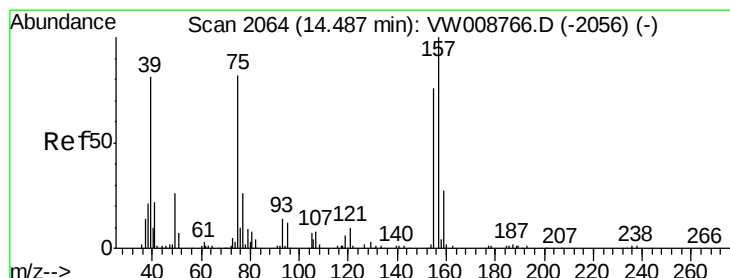
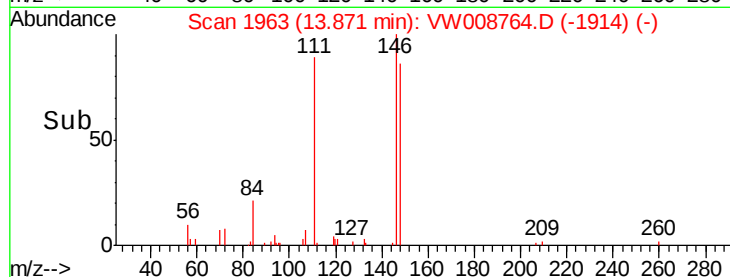
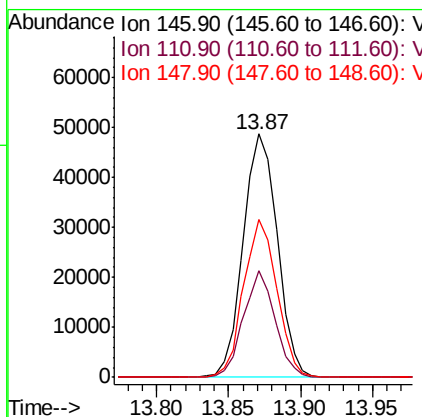
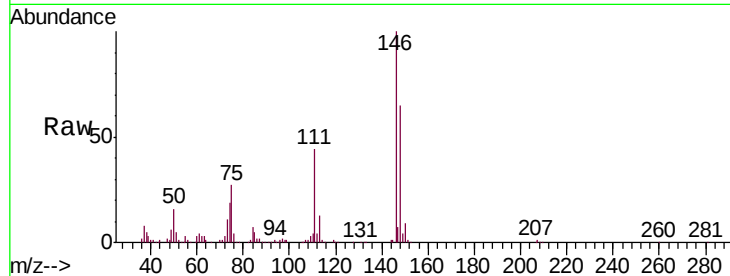




#91
 1,2-Dichlorobenzene
 Concen: 10.124 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

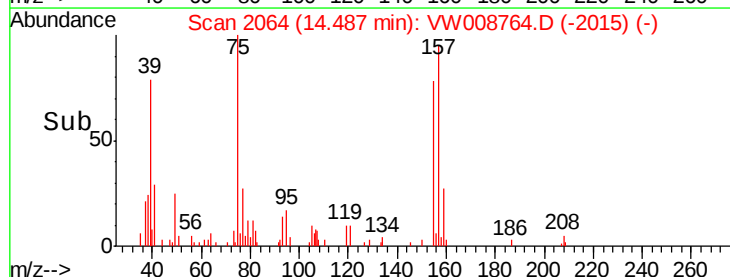
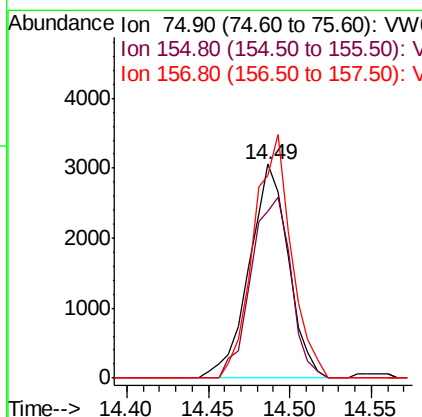
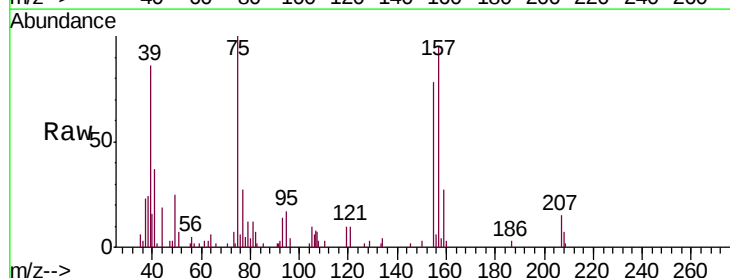
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

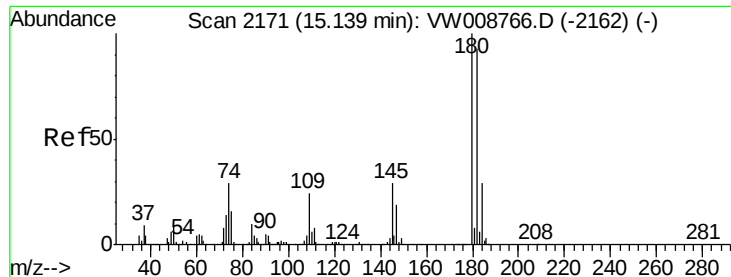
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	63.0	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.566 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.8	125.4
157	109.2	56.6	169.9

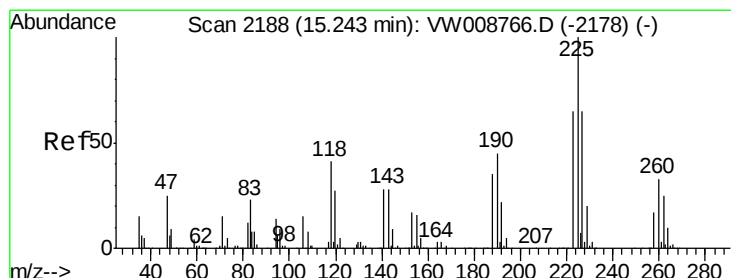
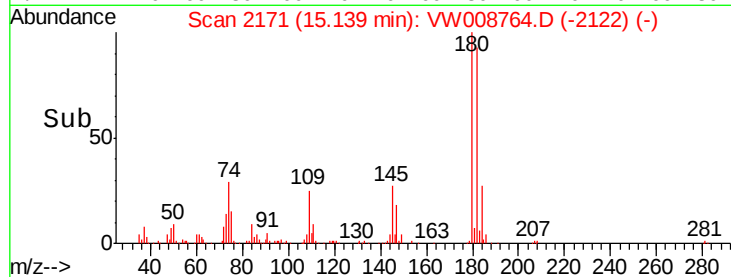
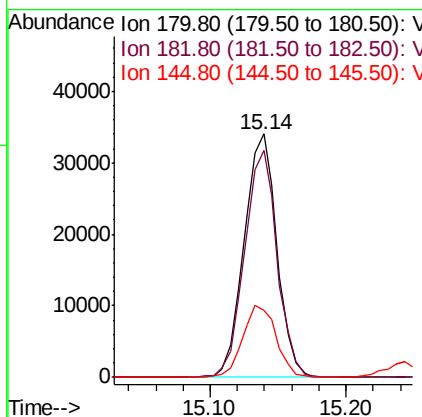
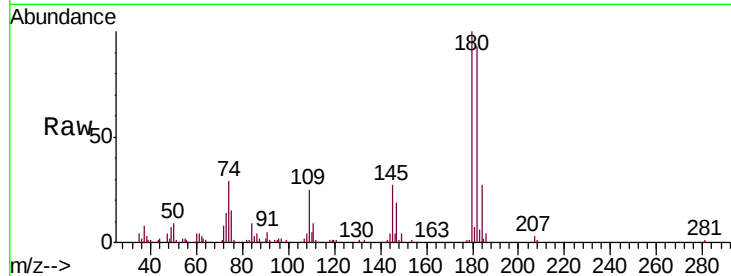




#93
 1,2,4-Trichlorobenzene
 Concen: 10.064 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

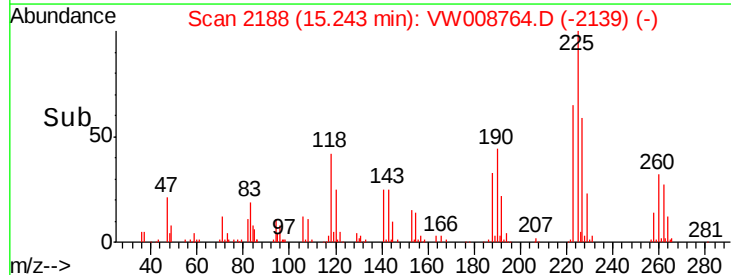
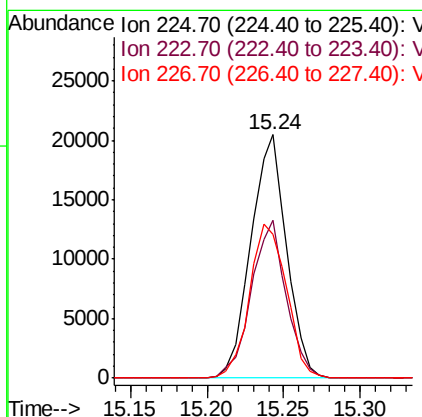
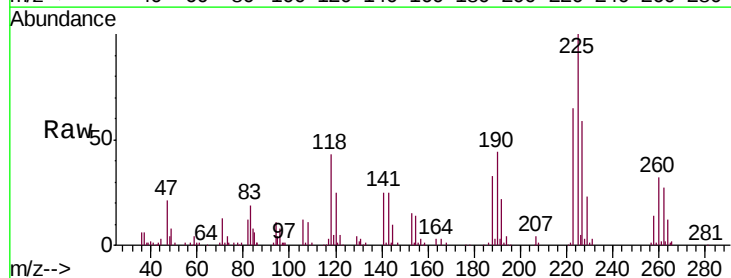
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

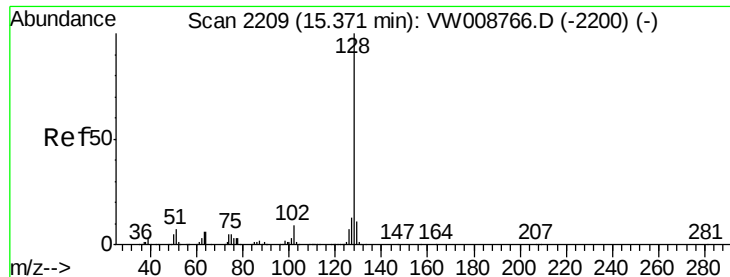
Tgt Ion:180 Resp: 57228
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.2 141.6
 145 30.3 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 9.935 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008764.D
 Acq: 21 Feb 2019 11:22

Tgt Ion:225 Resp: 33278
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.5 94.5
 227 65.2 31.6 94.8

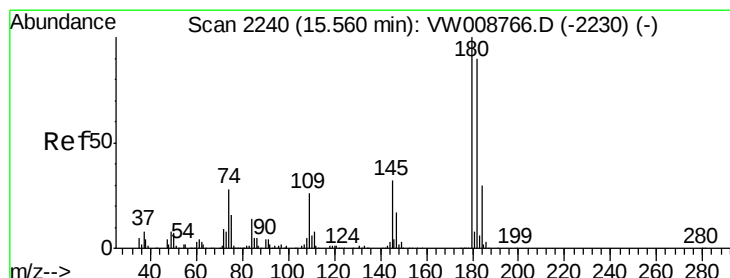
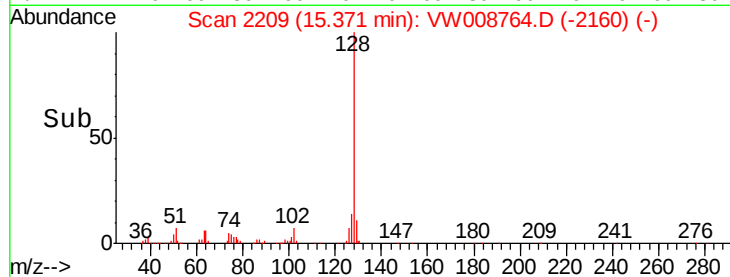
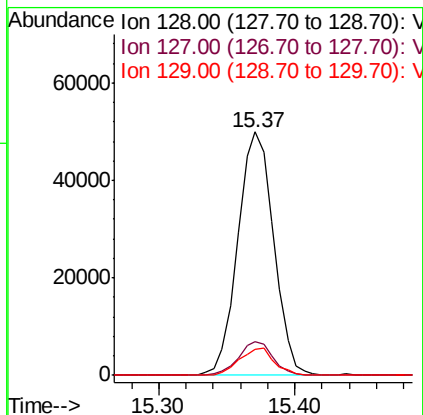
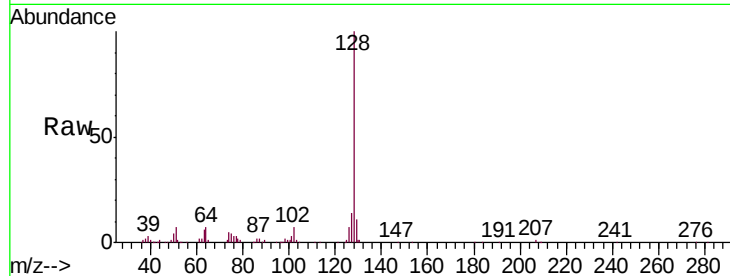




#95
Naphthalene
Concen: 9.485 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 91831
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.034 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008764.D
Acq: 21 Feb 2019 11:22

Tgt Ion:180 Resp: 49335
Ion Ratio Lower Upper
180 100
182 94.9 46.9 140.8
145 32.6 15.9 47.6

