

Data File : VW005888.D
Acq On : 08 Oct 2018 11:23
Operator : SY/AP
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Quant Time: Oct 09 01:58:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 01:57:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	353454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	520591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	471057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255558	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	65803	19.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.36%	
35) Dibromofluoromethane	7.88	113	63818	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
50) Toluene-d8	10.33	98	247728	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	
62) 4-Bromofluorobenzene	12.62	95	93588	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32677	18.866	ug/l	94
3) Chloromethane	2.21	50	36292	17.813	ug/l	99
4) Vinyl Chloride	2.37	62	62995	19.476	ug/l	99
5) Bromomethane	2.78	94	49493	19.388	ug/l	96
6) Chloroethane	2.93	64	40525	19.665	ug/l	99
7) Trichlorofluoromethane	3.26	101	47379	18.453	ug/l	99
8) Diethyl Ether	3.68	74	30015	18.995	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	63269	19.527	ug/l	99
10) Methyl Iodide	4.27	142	101987	19.246	ug/l	99
11) Tert butyl alcohol	5.21	59	22783	90.599	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	59683	19.181	ug/l	99
13) Acrolein	3.89	56	22552	100.636	ug/l	95
14) Allyl chloride	4.67	41	103868	19.575	ug/l	97
15) Acrylonitrile	5.37	53	65099	94.666	ug/l	99
16) Acetone	4.14	43	67633	98.682	ug/l	99
17) Carbon Disulfide	4.37	76	173165	18.409	ug/l	98
18) Methyl Acetate	4.68	43	30838	17.830	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	97148	20.069	ug/l	100
20) Methylene Chloride	4.92	84	65966	19.211	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	65260	19.244	ug/l	94
22) Diisopropyl ether	6.31	45	195099	19.669	ug/l	98
23) Vinyl Acetate	6.26	43	603790	98.900	ug/l	98
24) 1,1-Dichloroethane	6.21	63	119097	19.620	ug/l	99
25) 2-Butanone	7.18	43	95016	97.471	ug/l	99
26) 2,2-Dichloropropane	7.17	77	84658	19.817	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	73732	19.225	ug/l	98
28) Bromochloromethane	7.51	49	46770	20.874	ug/l	98
29) Tetrahydrofuran	7.54	42	57591	93.458	ug/l	98
30) Chloroform	7.68	83	121888	19.549	ug/l	100
31) Cyclohexane	7.96	56	114125	18.999	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	107055	19.280	ug/l	99
36) 1,1-Dichloropropene	8.08	75	96525	19.350	ug/l	99
37) Ethyl Acetate	7.26	43	40966	19.393	ug/l	98
38) Carbon Tetrachloride	8.07	117	102322	19.092	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	125683	19.103	ug/l	98
40) Benzene	8.33	78	264404	19.367	ug/l	99
41) Methacrylonitrile	7.49	41	24169	18.275	ug/l	96
42) 1,2-Dichloroethane	8.40	62	79076	19.171	ug/l	100
43) Isopropyl Acetate	8.43	43	85232	19.315	ug/l	100
44) Trichloroethene	9.09	130	76360	19.277	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67005	19.607	ug/l	99
46) Dibromomethane	9.46	93	36241	19.295	ug/l	98
47) Bromodichloromethane	9.65	83	91954	19.455	ug/l	97
48) Methyl methacrylate	9.44	41	40092	19.073	ug/l	97
49) 1,4-Dioxane	9.46	88	11391	399.269	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	210977	98.185	ug/l	100
52) Toluene	10.39	92	172655	19.250	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	95269	19.288	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	107107	19.291	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	49466	19.014	ug/l	98
56) Ethyl methacrylate	10.65	69	67355	19.210	ug/l	100
57) 1,3-Dichloropropane	10.93	76	85055	19.434	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	142221	99.685	ug/l	99
59) 2-Hexanone	10.97	43	151500	98.331	ug/l	98
60) Dibromochloromethane	11.13	129	64107	19.096	ug/l	99
61) 1,2-Dibromoethane	11.24	107	49965	19.220	ug/l	100
64) Tetrachloroethene	10.87	164	65751	18.738	ug/l	97
65) Chlorobenzene	11.66	112	195690	19.394	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	72205	19.523	ug/l	99
67) Ethyl Benzene	11.73	91	347571	19.502	ug/l	100
68) m/p-Xylenes	11.84	106	269159	38.645	ug/l	99
69) o-Xylene	12.17	106	129006	19.347	ug/l	100
70) Styrene	12.18	104	212937	19.247	ug/l	99
71) Bromoform	12.35	173	42067	19.095	ug/l #	99
73) Isopropylbenzene	12.47	105	361594	19.374	ug/l	100
74) N-amyl acetate	12.27	43	86513	19.518	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	58956	19.272	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82139	20.999	ug/l #	100
77) Bromobenzene	12.75	156	85592	19.357	ug/l	98
78) n-propylbenzene	12.81	91	424464	19.333	ug/l	100
79) 2-Chlorotoluene	12.90	91	240457	19.402	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	307280	19.501	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	20257	18.733	ug/l	98
82) 4-Chlorotoluene	12.99	91	252303	19.349	ug/l	99
83) tert-Butylbenzene	13.21	119	275374	19.649	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	308039	19.380	ug/l	100
85) sec-Butylbenzene	13.39	105	385659	19.604	ug/l	100
86) p-Isopropyltoluene	13.51	119	344748	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	170720	19.434	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	169748	19.445	ug/l	99
89) n-Butylbenzene	13.83	91	327034	19.611	ug/l	100
90) Hexachloroethane	14.10	117	64794	19.474	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	152852	19.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10810	18.962	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
Quantitation Report (Not Reviewed)

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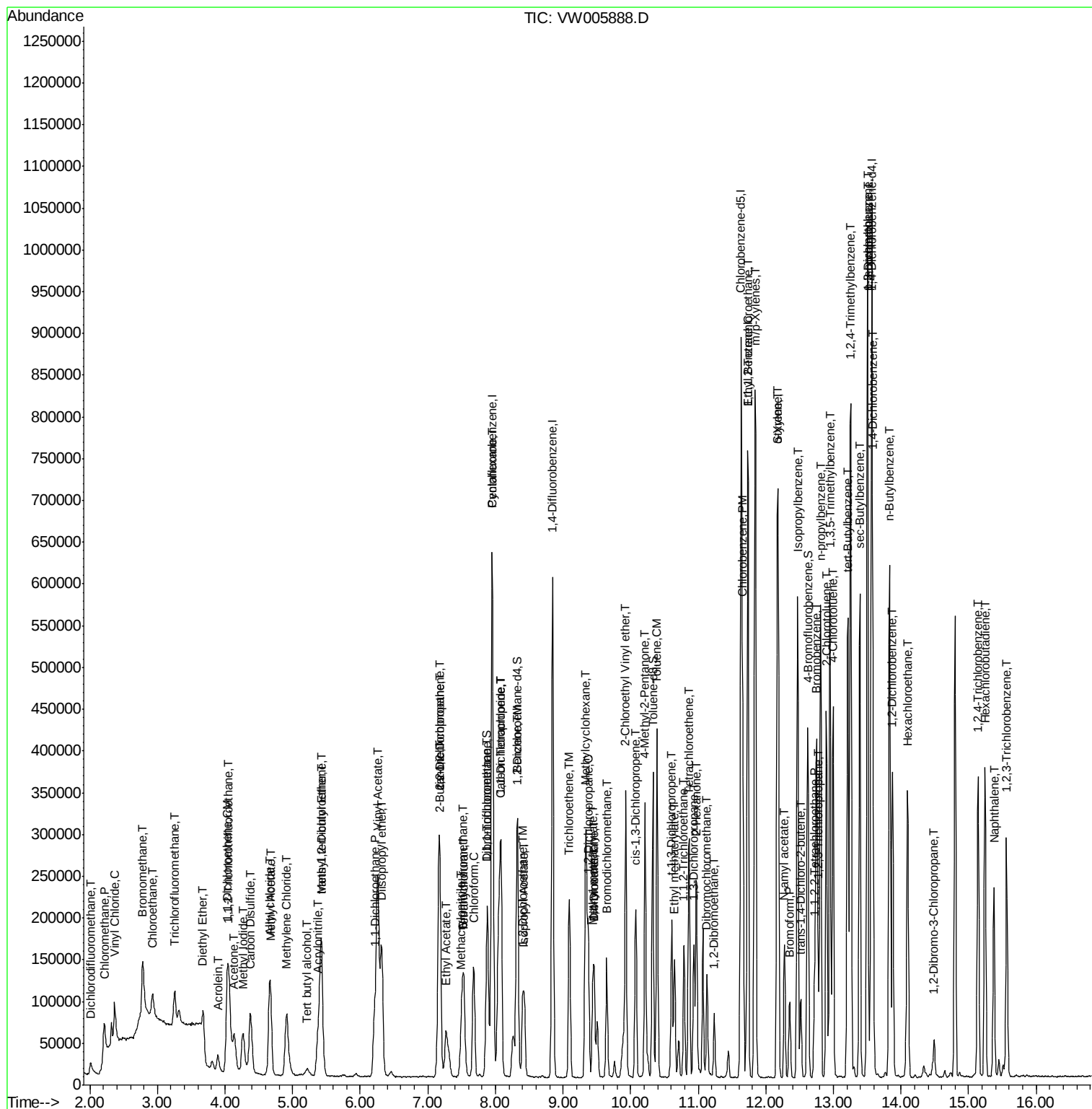
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	119083	19.692	ug/l	100
94) Hexachlorobutadiene	15.24	225	74926	19.850	ug/l	100
95) Naphthalene	15.38	128	202784	19.454	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	103477	19.761	ug/l	99

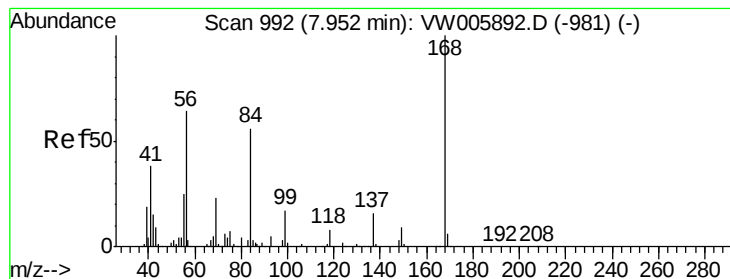
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

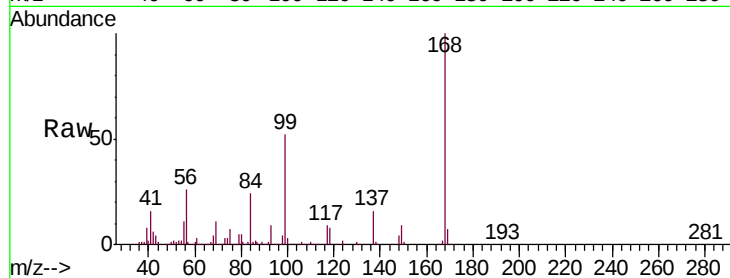
VSTDIC020

Tgt Ion:168 Resp: 353454

Ion Ratio Lower Upper

168 100

99 52.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

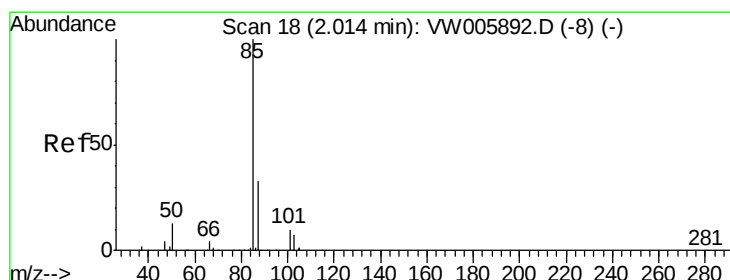
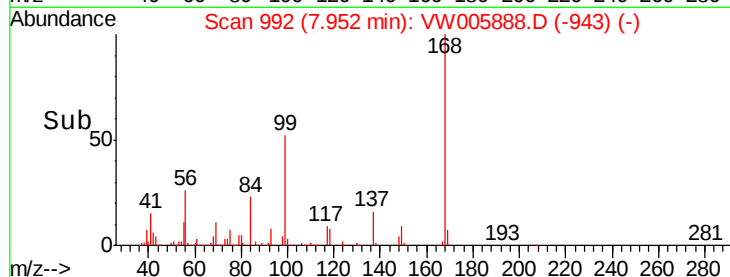
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.866 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005888.D

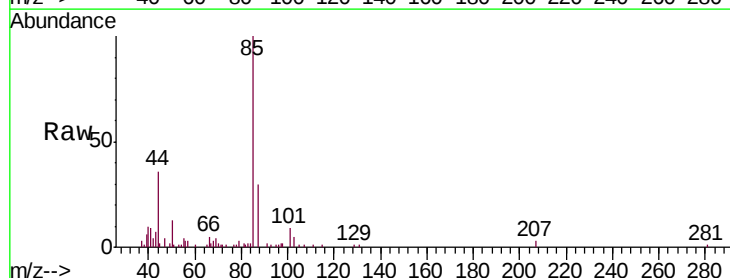
Acq: 08 Oct 2018 11:23

Tgt Ion: 85 Resp: 32677

Ion Ratio Lower Upper

85 100

87 30.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

6000

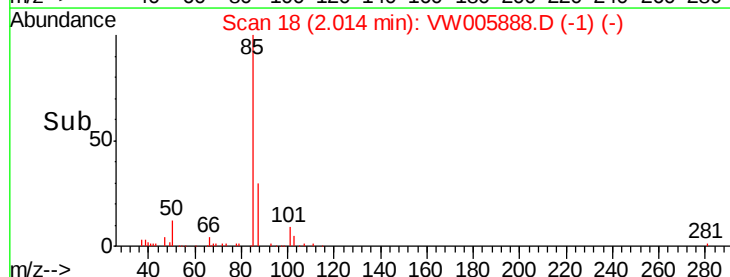
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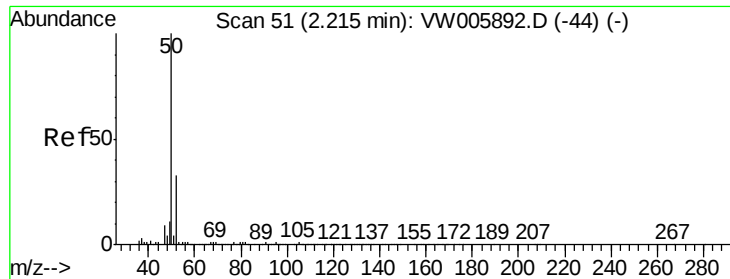
2000

0

1.90 2.00 2.10 2.20

Time-->

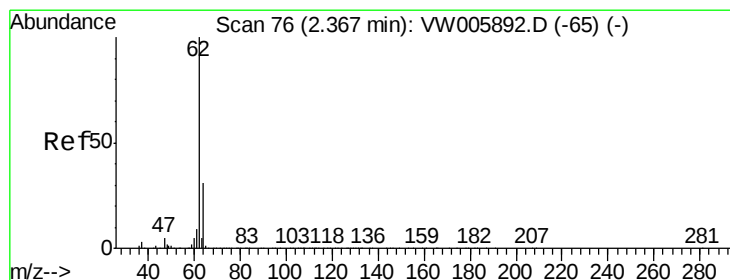
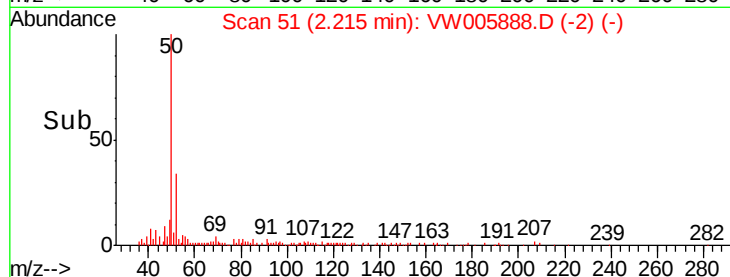
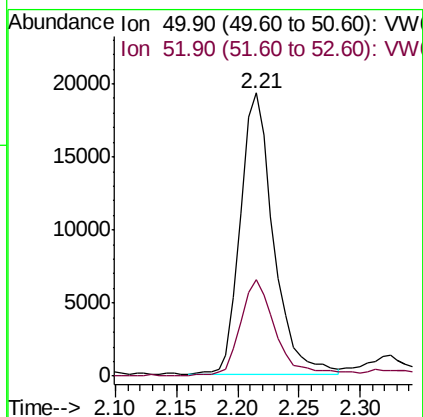
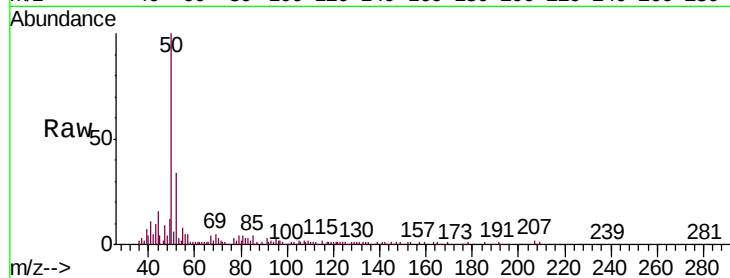




#3
Chloromethane
Concen: 17.813 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW005888.D
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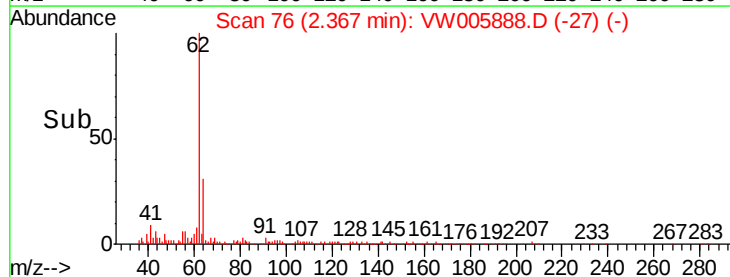
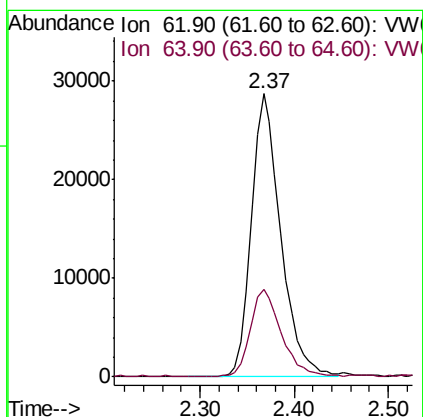
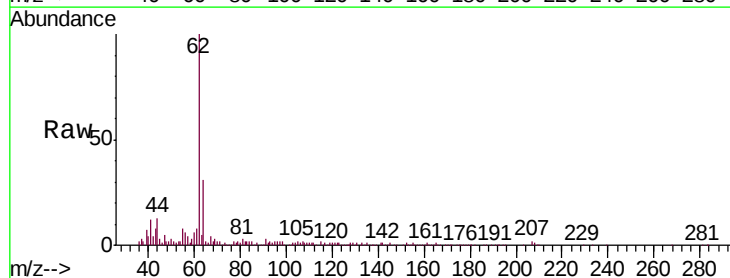
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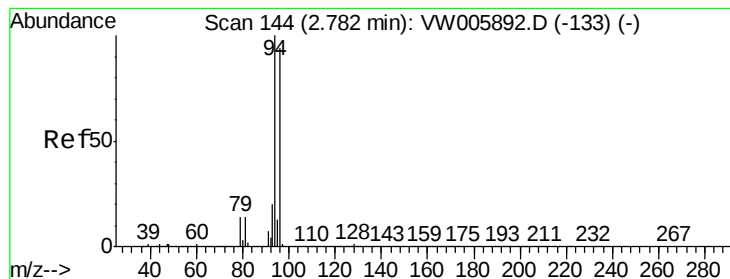
Tgt Ion: 50 Resp: 36292
Ion Ratio Lower Upper
50 100
52 33.8 26.7 40.1



#4
Vinyl Chloride
Concen: 19.476 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 62 Resp: 62995
Ion Ratio Lower Upper
62 100
64 30.4 24.6 36.8





#5

Bromomethane

Concen: 19.388 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

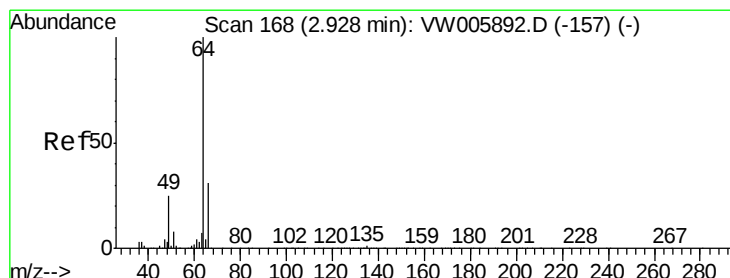
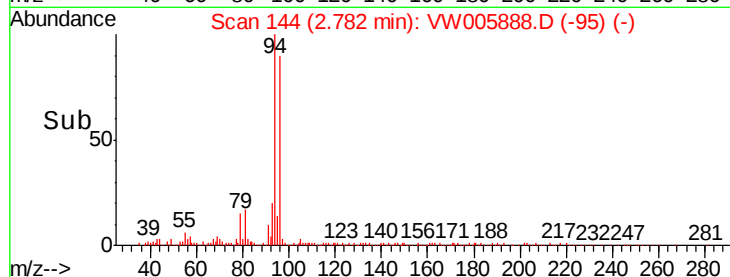
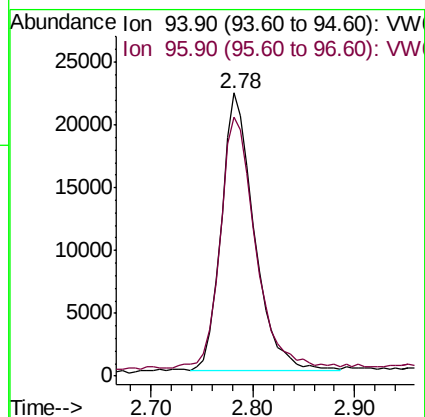
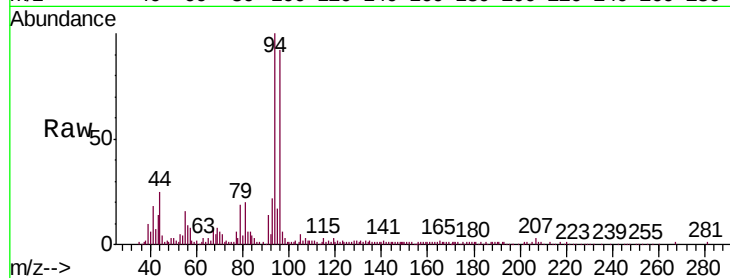
VSTDIC020

Tgt Ion: 94 Resp: 49493

Ion Ratio Lower Upper

94 100

96 89.8 75.0 112.4



#6

Chloroethane

Concen: 19.665 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005888.D

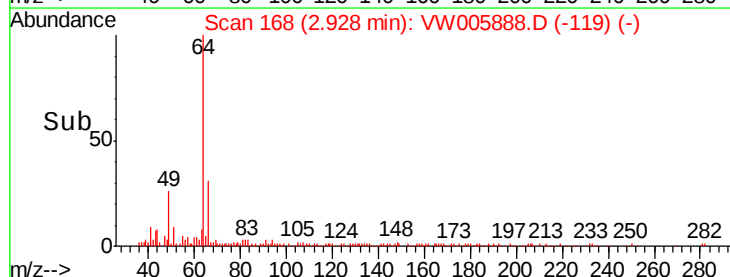
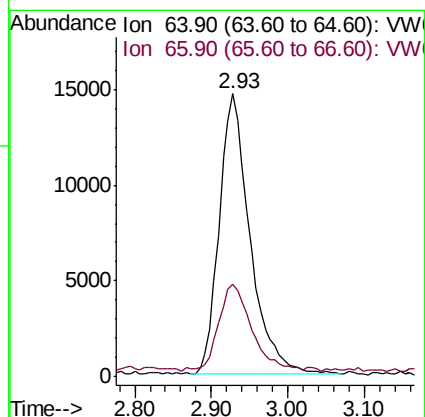
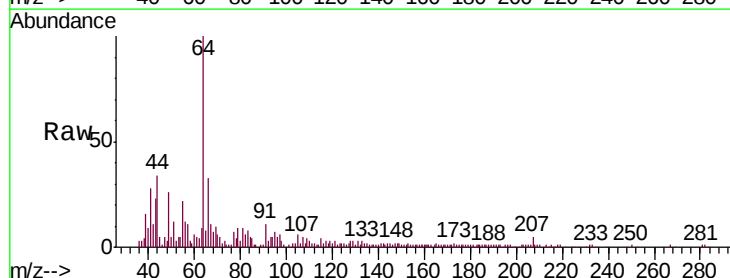
Acq: 08 Oct 2018 11:23

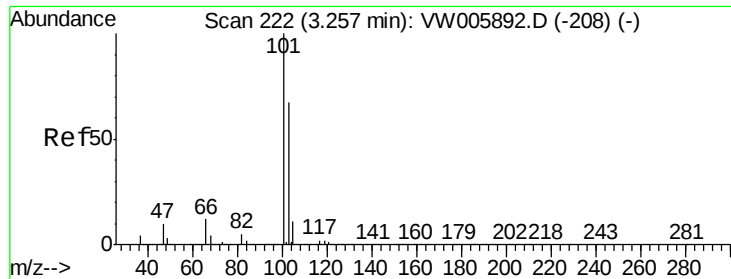
Tgt Ion: 64 Resp: 40525

Ion Ratio Lower Upper

64 100

66 30.9 25.0 37.4



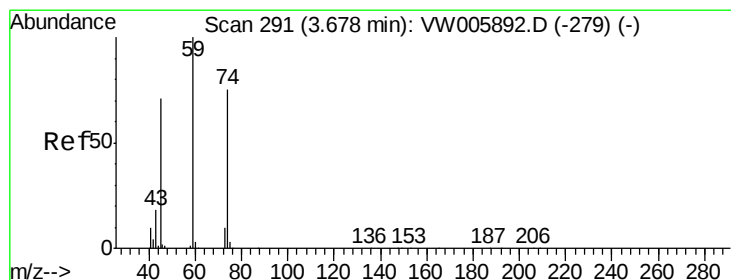
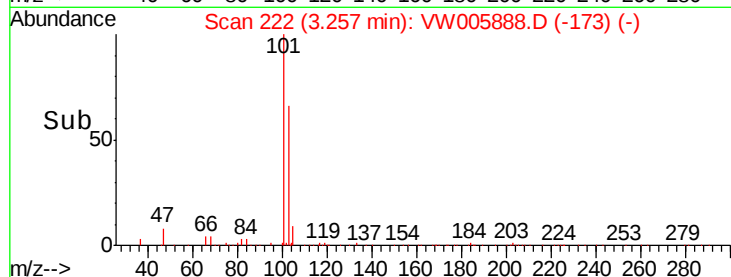
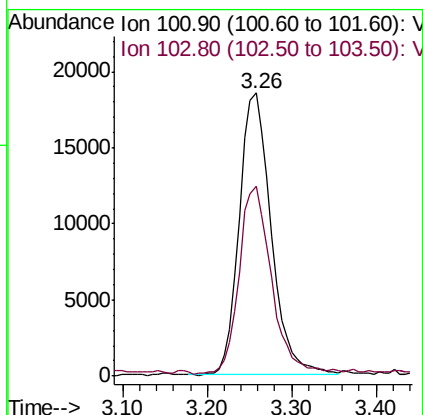
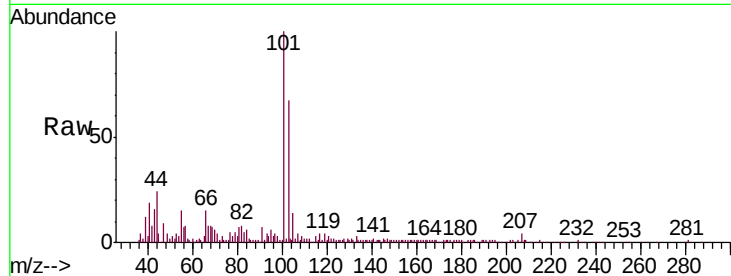


#7

Trichlorofluoromethane
 Concen: 18.453 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005888.D
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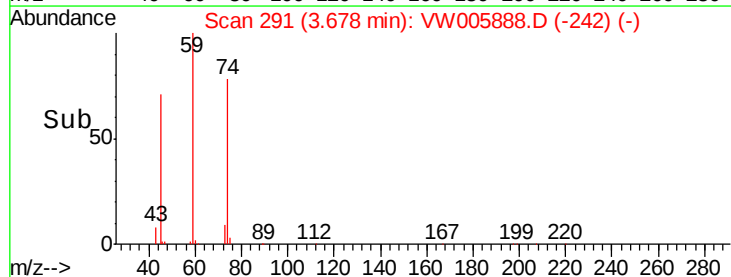
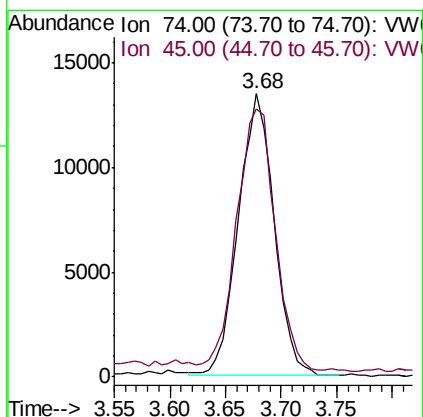
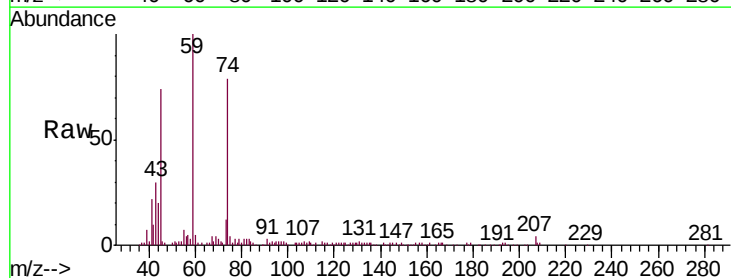
Tgt Ion: 101 Resp: 47379
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.5 80.3

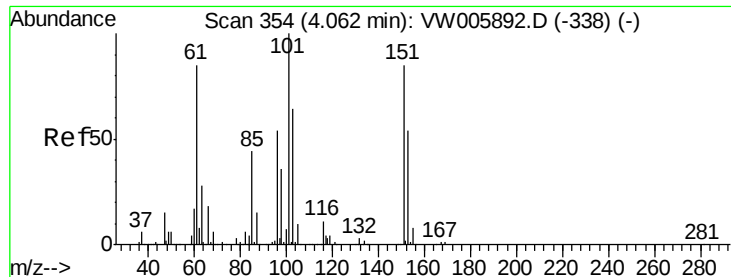


#8

Diethyl Ether
 Concen: 18.995 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 74 Resp: 30015
 Ion Ratio Lower Upper
 74 100
 45 100.0 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.527 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005888.D

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Instrument :

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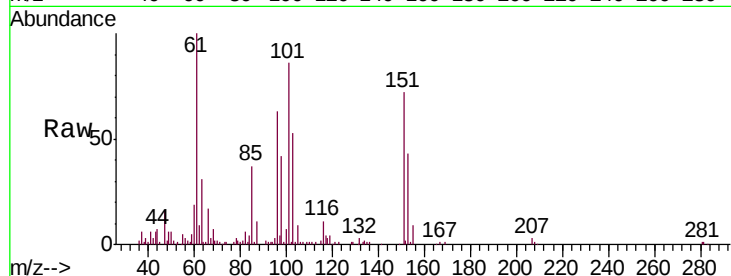
Tgt Ion:101 Resp: 63269

Ion Ratio Lower Upper

101 100

85 45.0 35.1 52.7

151 84.6 67.7 101.5

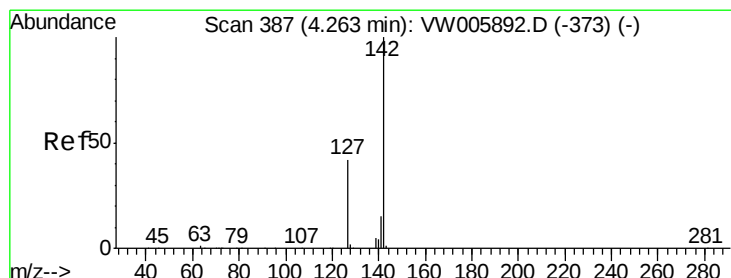
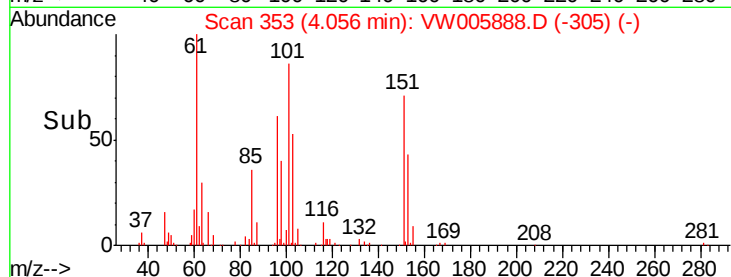
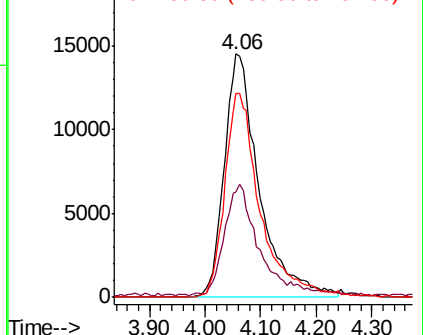


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.246 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

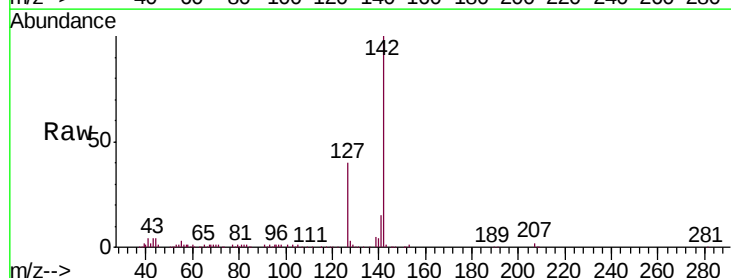
Tgt Ion:142 Resp: 101987

Ion Ratio Lower Upper

142 100

127 41.5 33.7 50.5

141 14.9 11.5 17.3

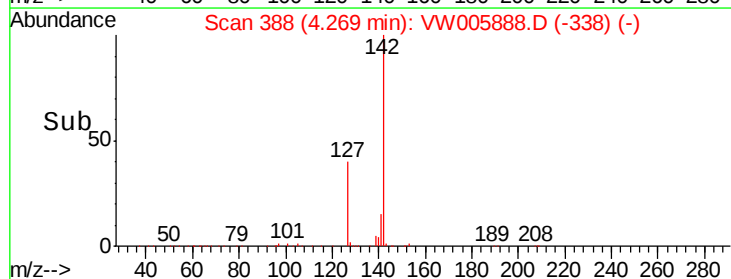
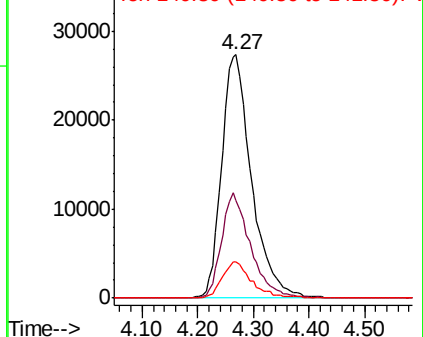


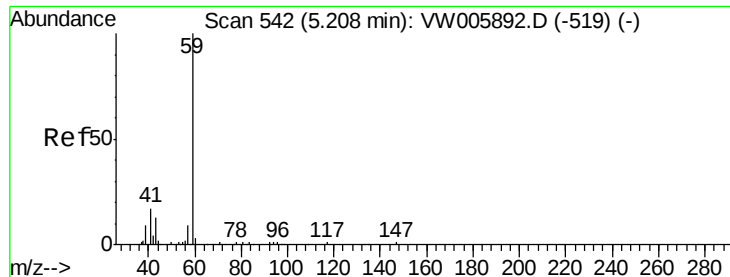
Abundance

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

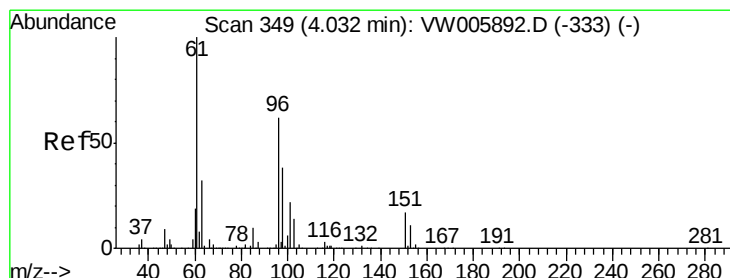
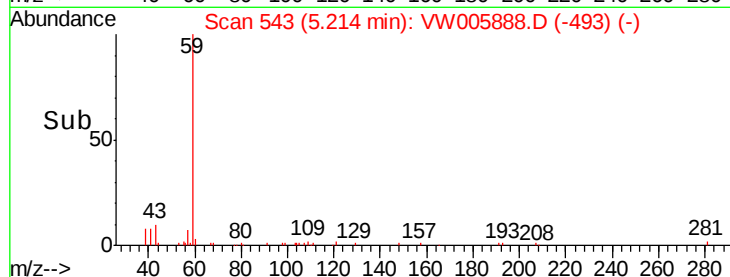
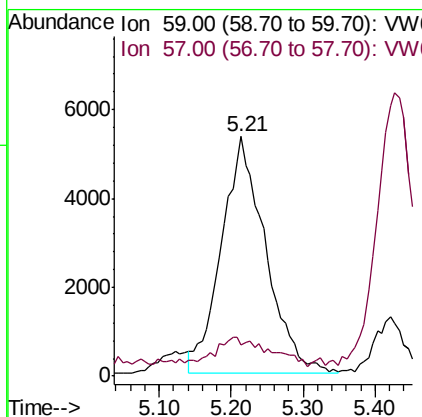
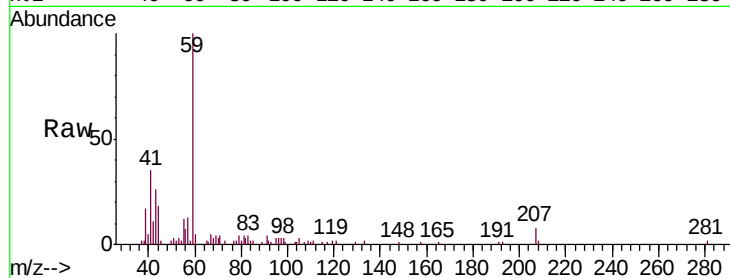




#11
Tert butyl alcohol
Concen: 90.599 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.01 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

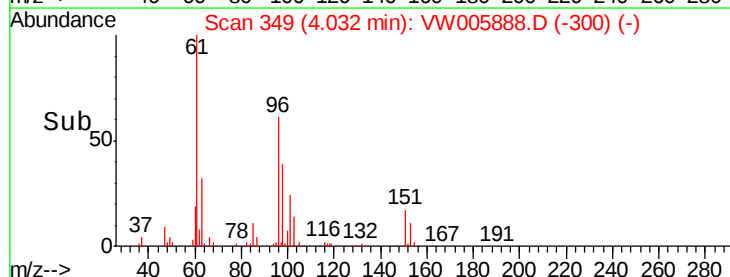
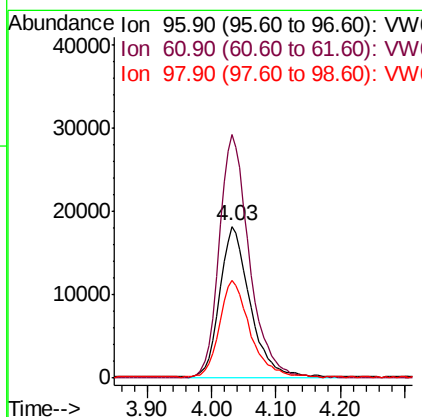
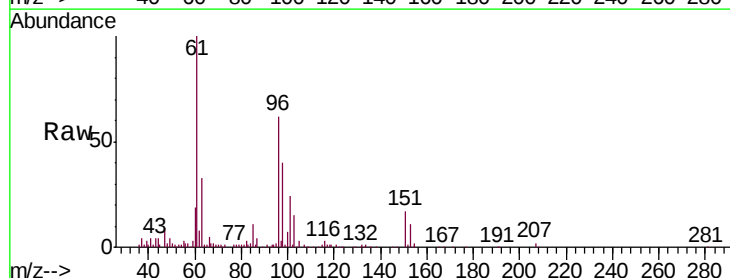
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

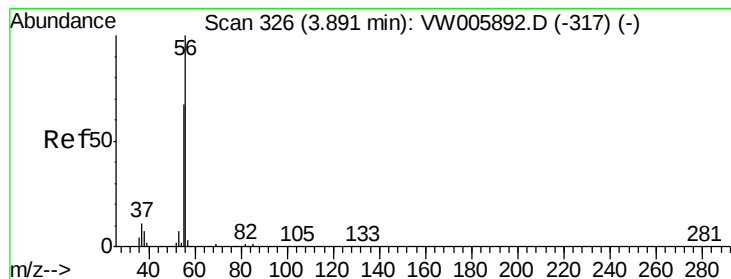
Tgt Ion: 59 Resp: 22783
Ion Ratio Lower Upper
59 100
57 14.4 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 19.181 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 96 Resp: 59683
Ion Ratio Lower Upper
96 100
61 161.8 128.6 193.0
98 63.8 49.4 74.0





#13

Acrolein

Concen: 100.636 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

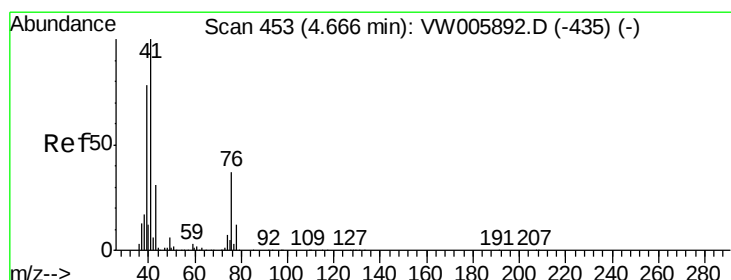
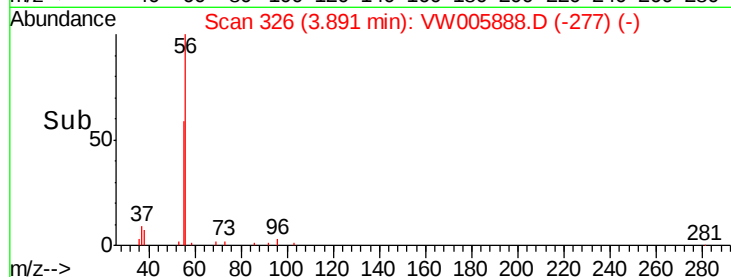
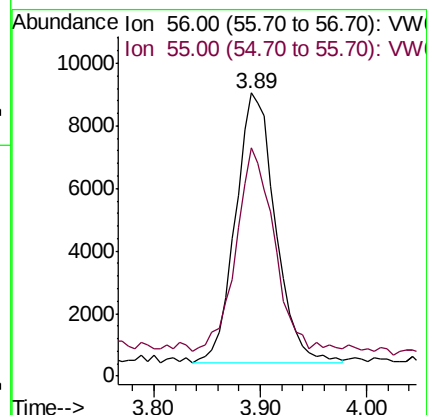
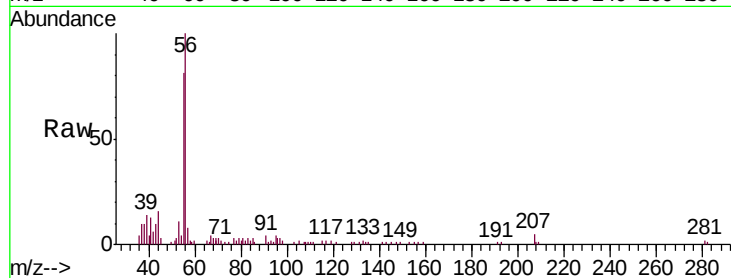
VSTDIC020

Tgt Ion: 56 Resp: 22552

Ion Ratio Lower Upper

56 100

55 72.4 54.6 82.0



#14

Allyl chloride

Concen: 19.575 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

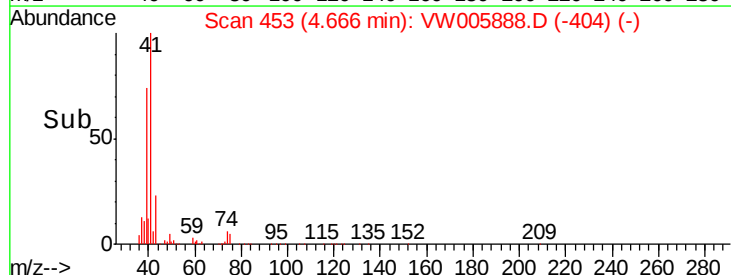
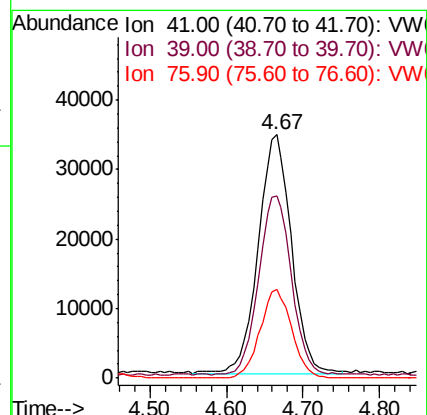
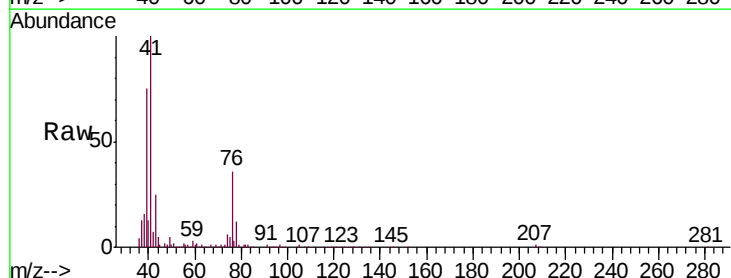
Tgt Ion: 41 Resp: 103868

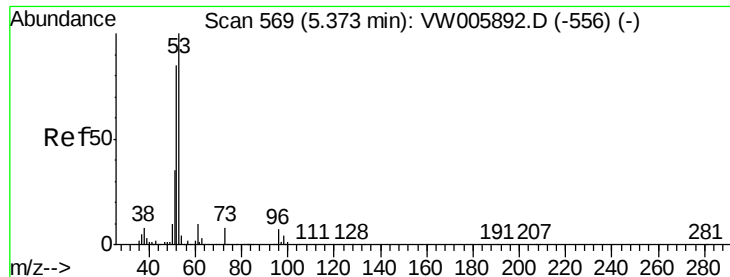
Ion Ratio Lower Upper

41 100

39 73.7 60.8 91.2

76 35.5 29.6 44.4





#15

Acrylonitrile

Concen: 94.666 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

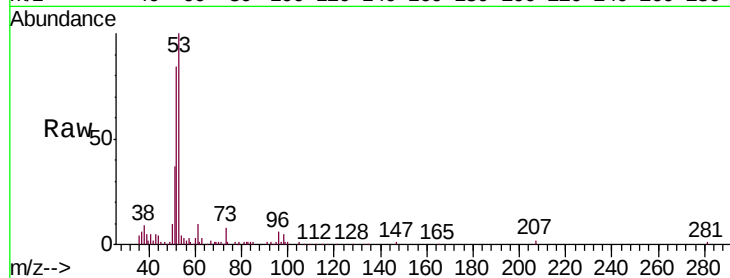
Tgt Ion: 53 Resp: 65099

Ion Ratio Lower Upper

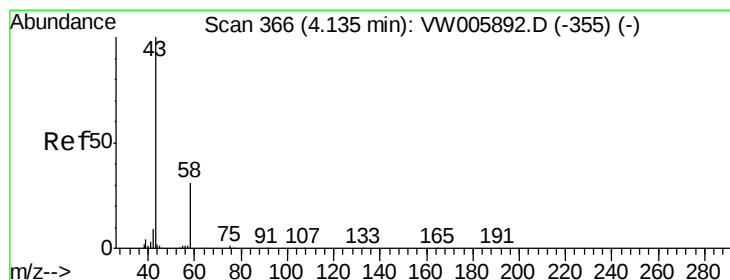
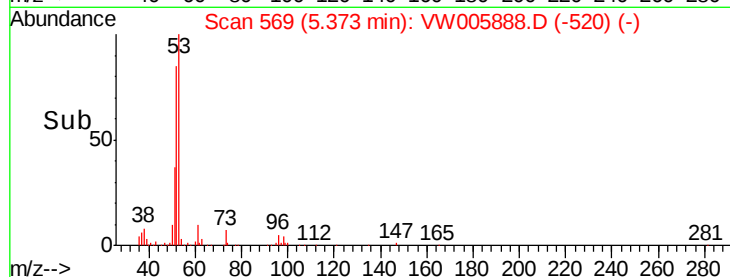
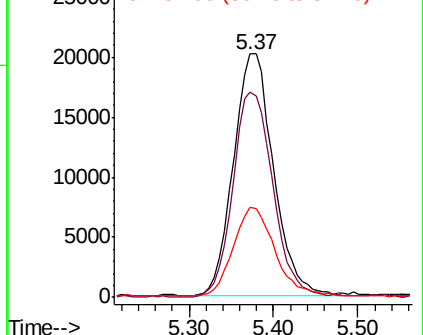
53 100

52 84.8 66.8 100.2

51 37.8 29.8 44.6



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: 98.682 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW005888.D

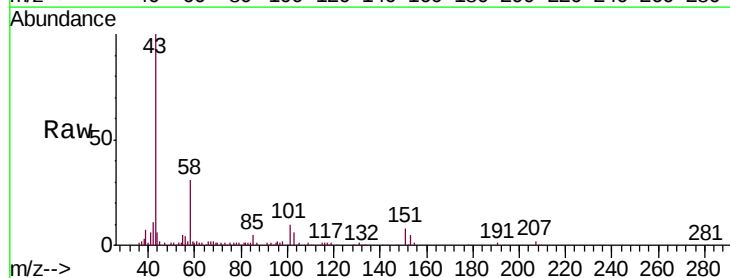
Acq: 08 Oct 2018 11:23

Tgt Ion: 43 Resp: 67633

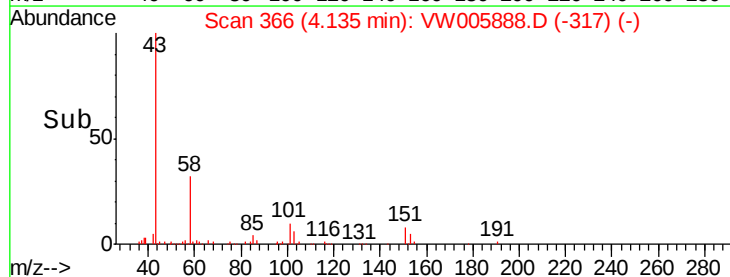
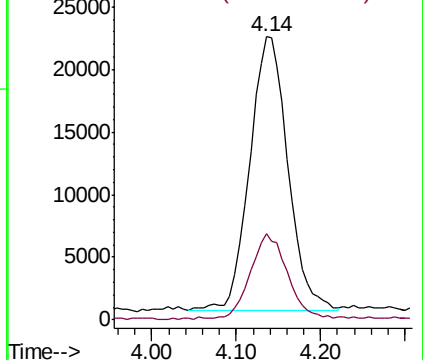
Ion Ratio Lower Upper

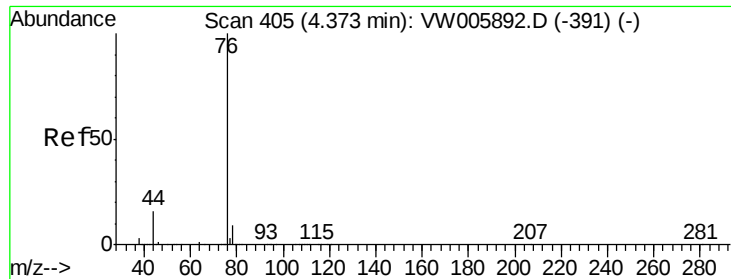
43 100

58 31.2 24.7 37.1



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

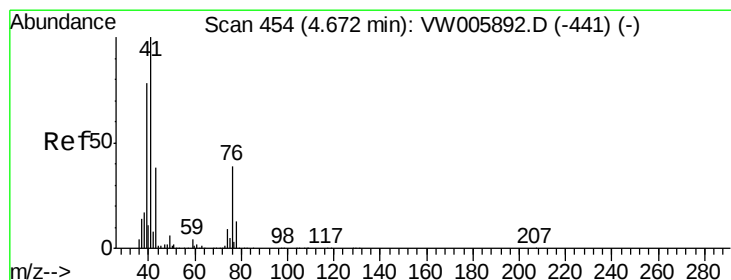
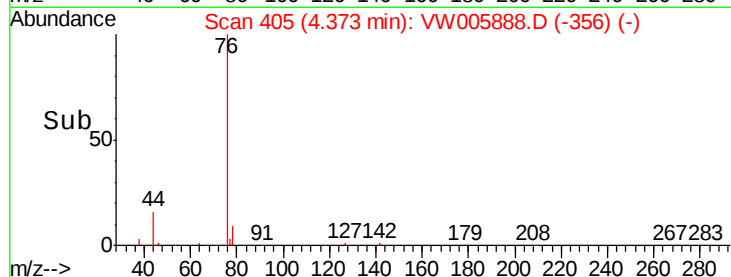
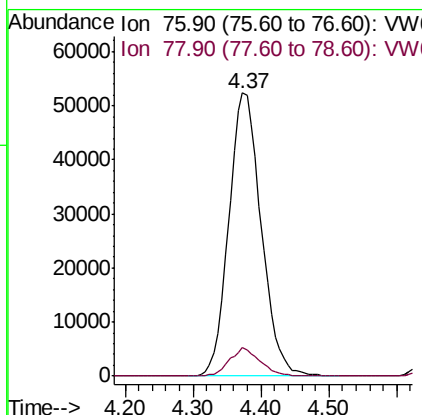
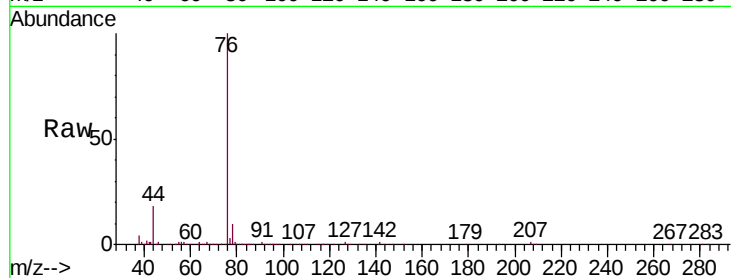




#17
Carbon Disulfide
Concen: 18.409 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

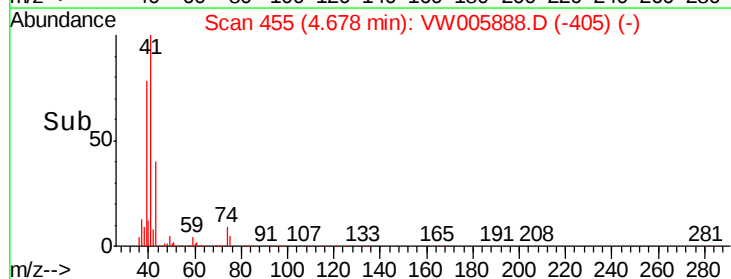
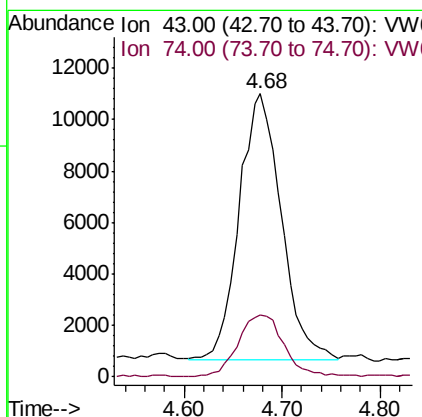
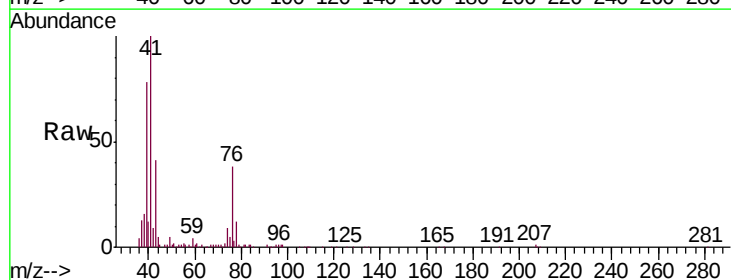
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

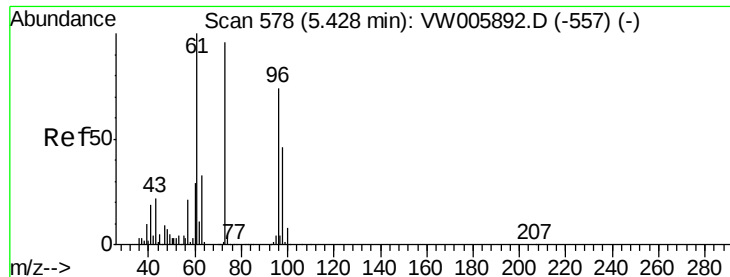
Tgt Ion: 76 Resp: 173165
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 17.830 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 43 Resp: 30838
Ion Ratio Lower Upper
43 100
74 25.7 19.2 28.8



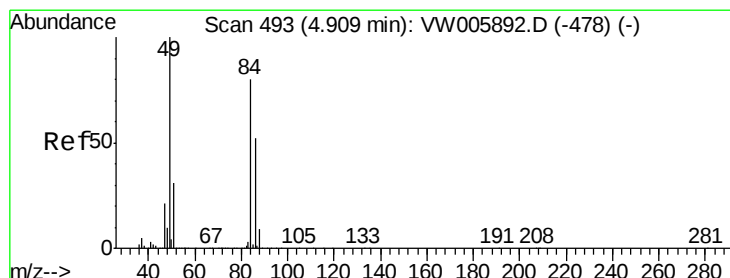
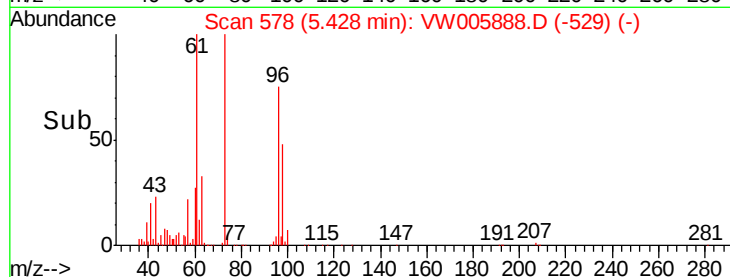
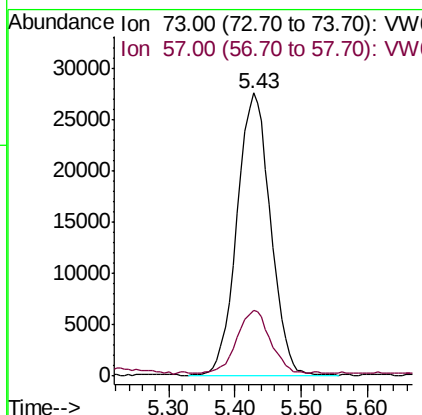
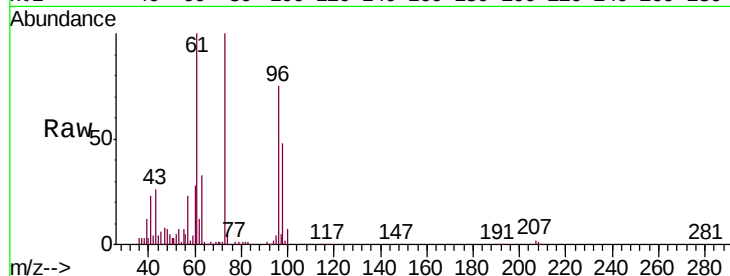


#19

Methyl tert-butyl Ether
 Concen: 20.069 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

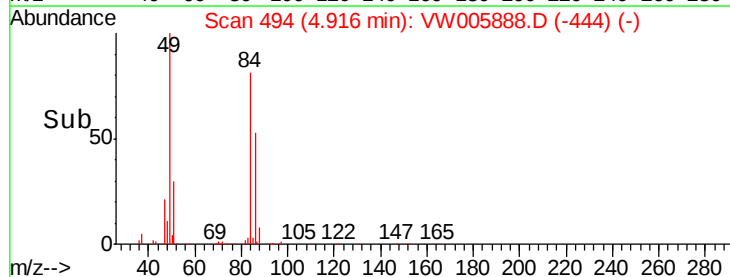
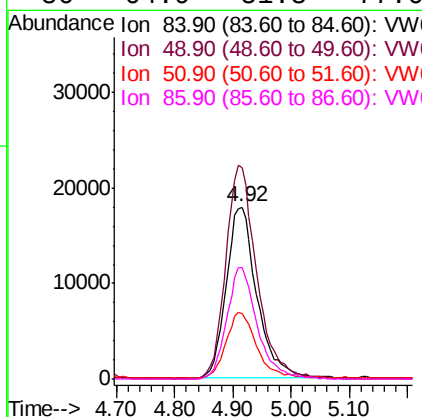
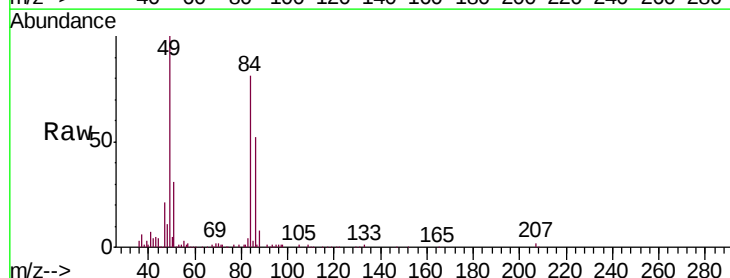
Tgt Ion: 73 Resp: 97148
 Ion Ratio Lower Upper
 73 100
 57 22.2 17.7 26.5

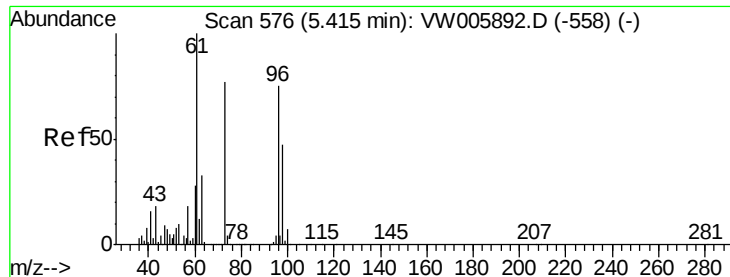


#20

Methylene Chloride
 Concen: 19.211 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 84 Resp: 65966
 Ion Ratio Lower Upper
 84 100
 49 123.7 99.9 149.9
 51 37.6 31.1 46.7
 86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.244 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

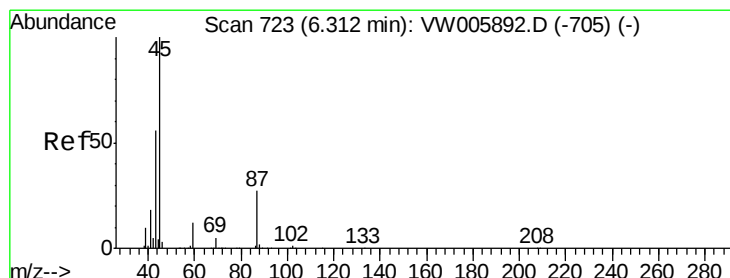
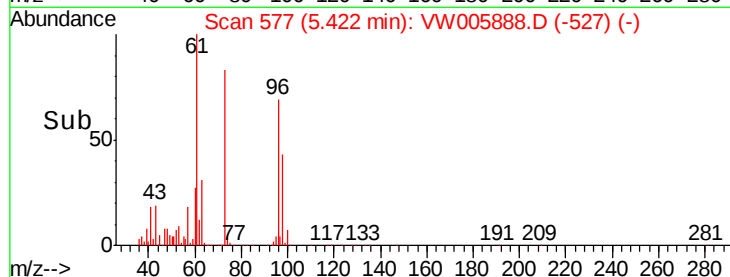
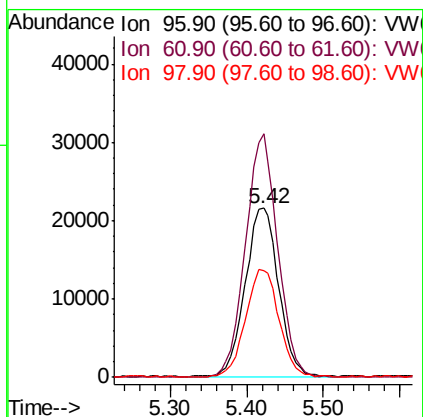
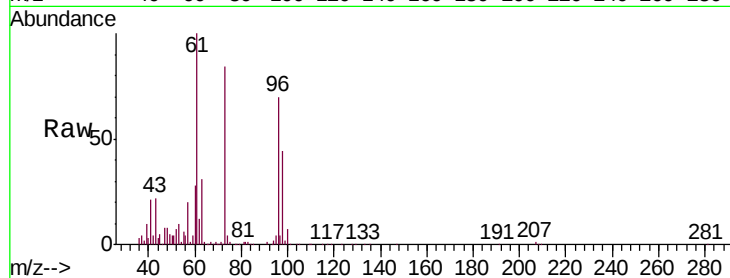
Tgt Ion: 96 Resp: 65260

Ion Ratio Lower Upper

96 100

61 144.4 107.4 161.0

98 62.7 50.8 76.2



#22

Diisopropyl ether

Concen: 19.669 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Tgt Ion: 45 Resp: 195099

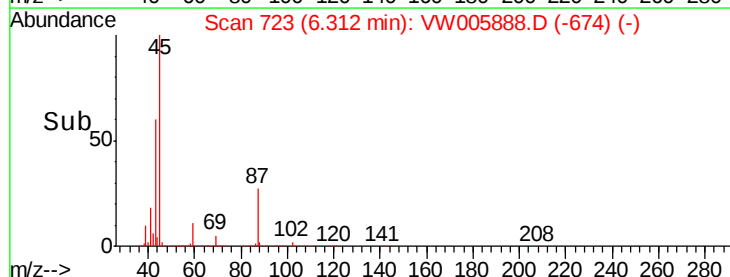
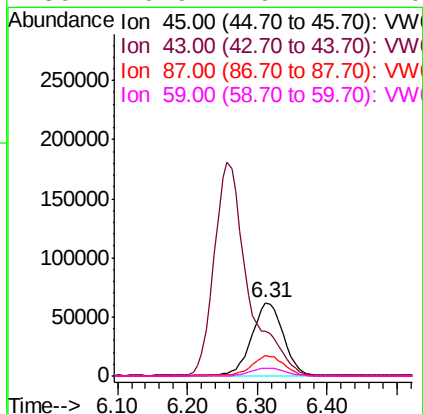
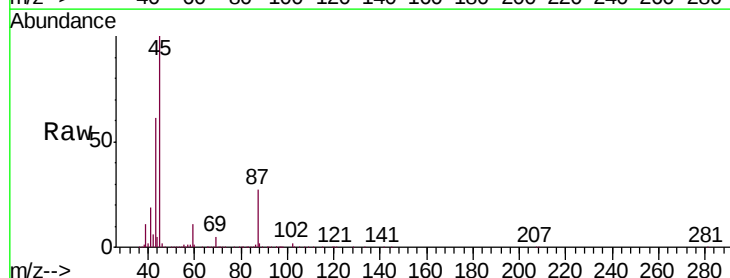
Ion Ratio Lower Upper

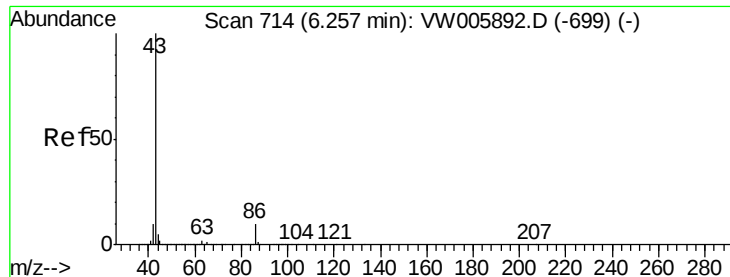
45 100

43 59.0 45.9 68.9

87 27.1 22.2 33.4

59 10.9 9.4 14.0





#23

Vinyl Acetate

Concen: 98.900 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

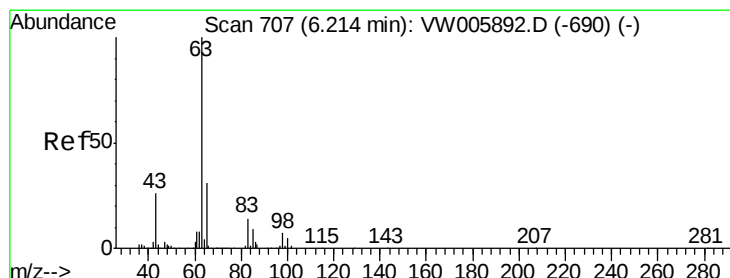
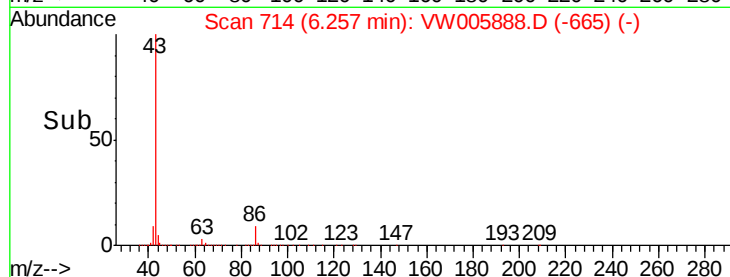
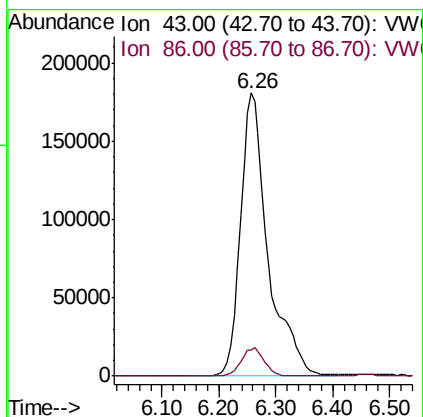
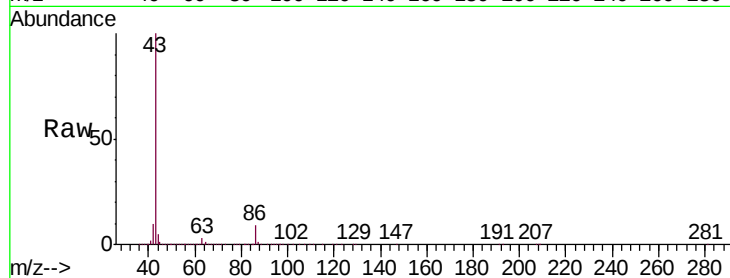
VSTDIC020

Tgt Ion: 43 Resp: 603790

Ion Ratio Lower Upper

43 100

86 9.5 8.2 12.4



#24

1,1-Dichloroethane

Concen: 19.620 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

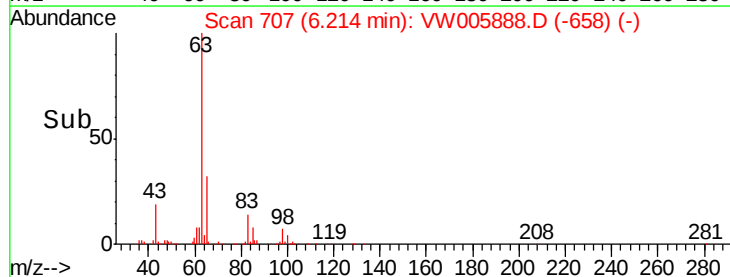
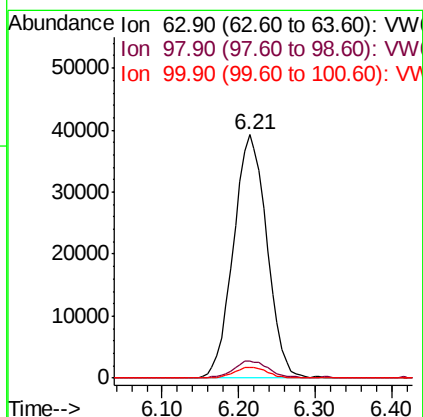
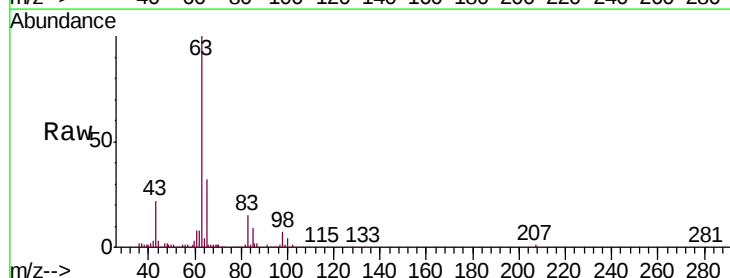
Tgt Ion: 63 Resp: 119097

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 97.471 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

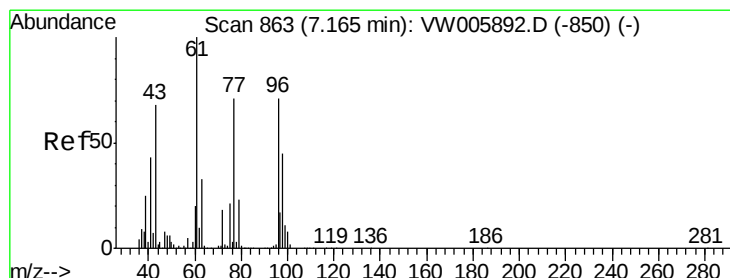
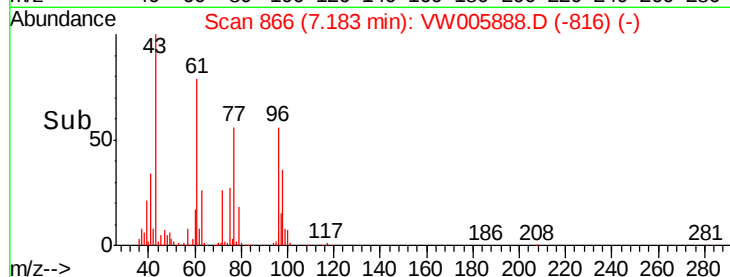
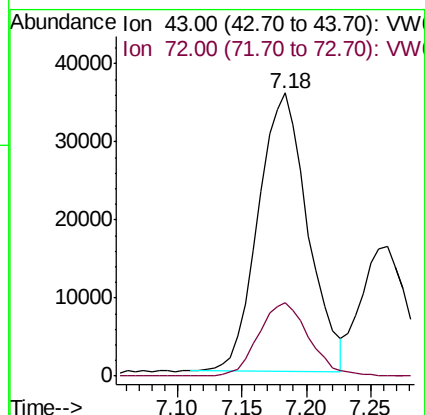
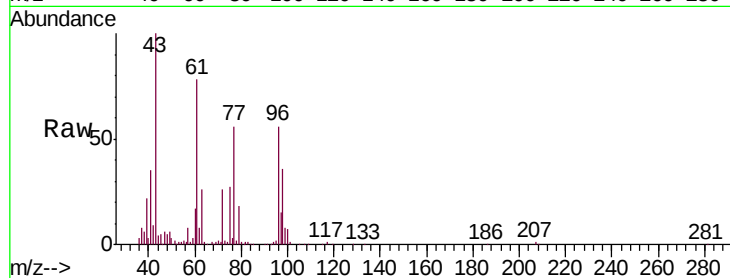
VSTDIC020

Tgt Ion: 43 Resp: 95016

Ion Ratio Lower Upper

43 100

72 26.5 21.0 31.4



#26

2,2-Dichloropropane

Concen: 19.817 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW005888.D

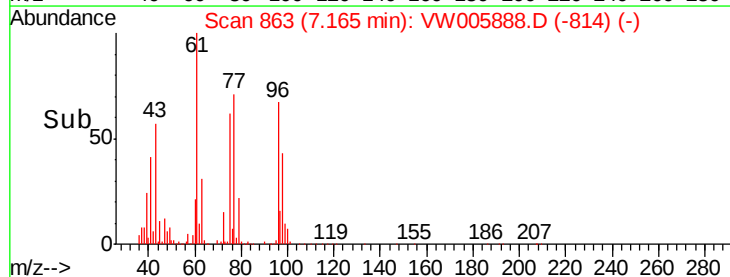
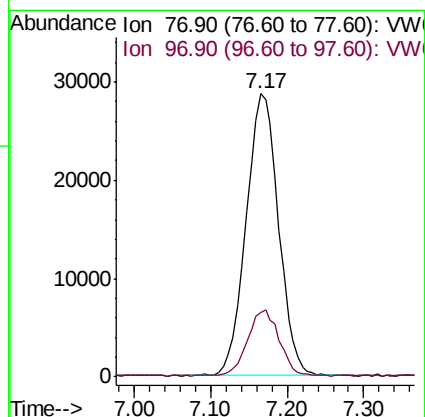
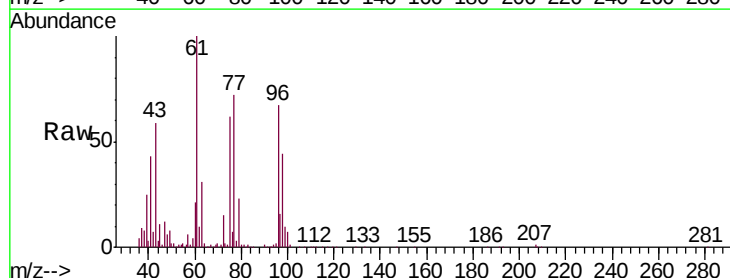
Acq: 08 Oct 2018 11:23

Tgt Ion: 77 Resp: 84658

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.7



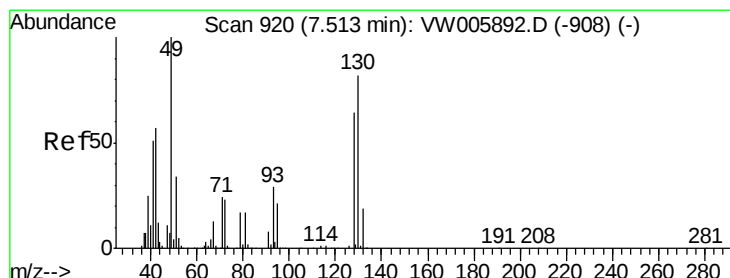
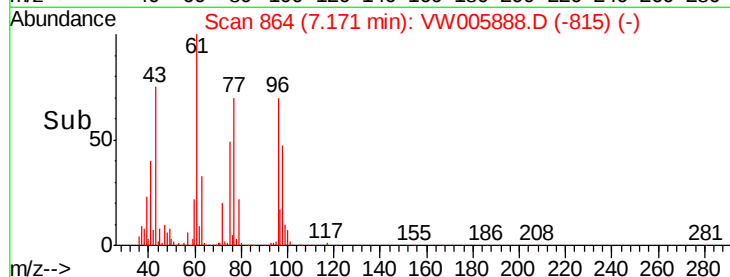
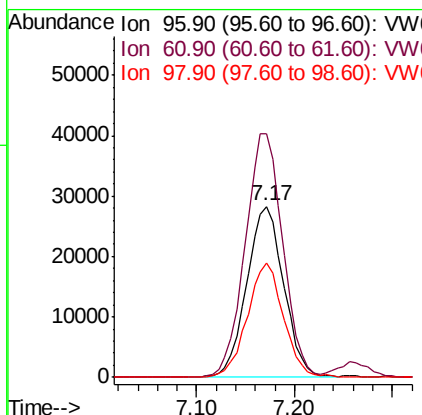
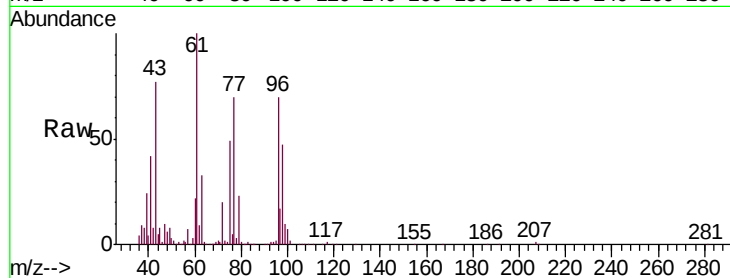


#27

cis-1,2-Dichloroethene
 Concen: 19.225 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

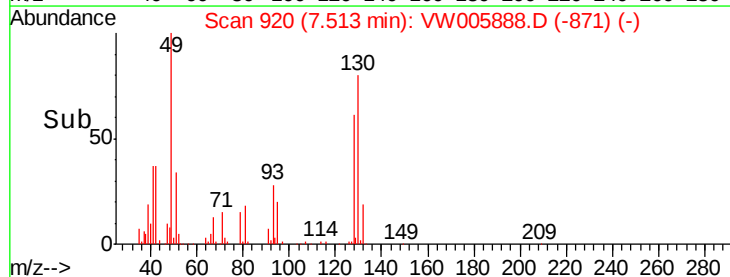
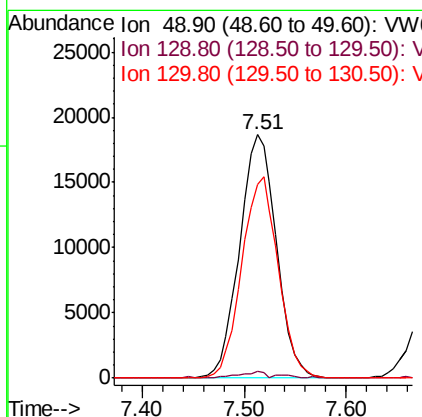
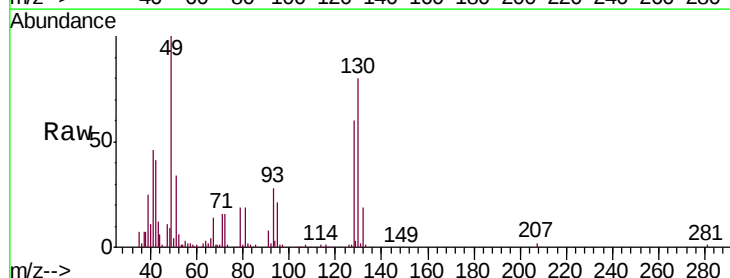
Tgt Ion: 96 Resp: 73732
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 284.0
 98 65.5 0.0 129.8

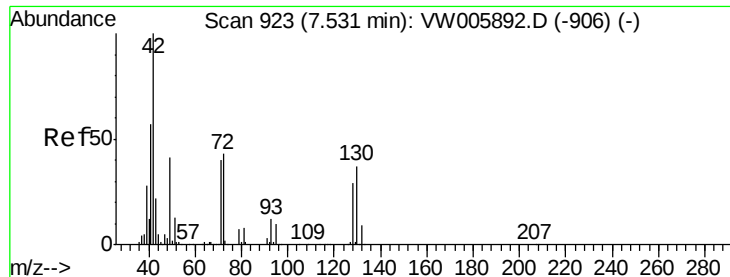


#28

Bromochloromethane
 Concen: 20.874 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 49 Resp: 46770
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 5.0
 130 82.2 66.9 100.3





#29

Tetrahydrofuran

Concen: 93.458 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

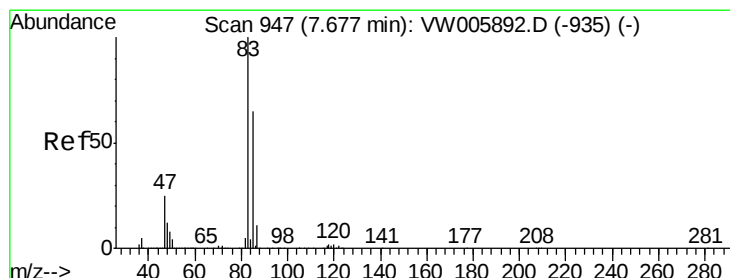
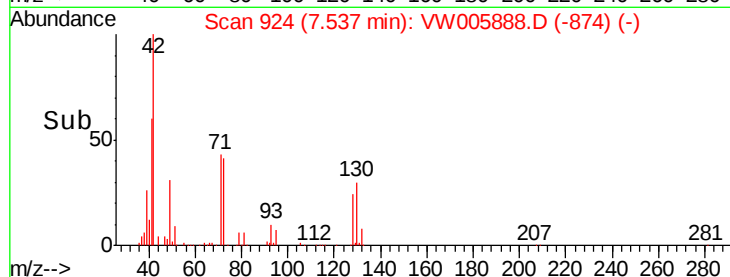
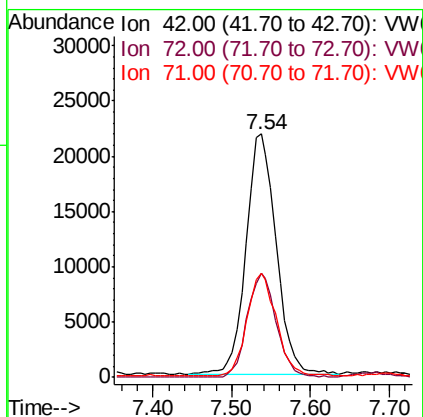
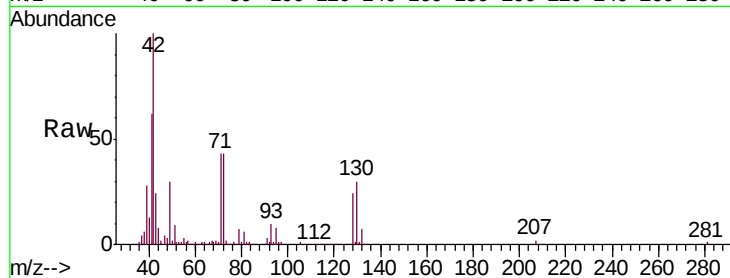
Tgt Ion: 42 Resp: 57591

Ion Ratio Lower Upper

42 100

72 42.1 34.6 51.8

71 42.3 32.6 49.0



#30

Chloroform

Concen: 19.549 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005888.D

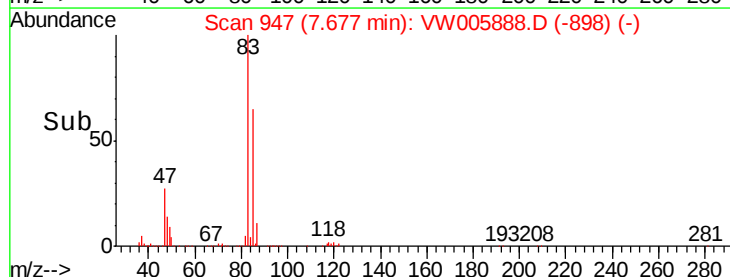
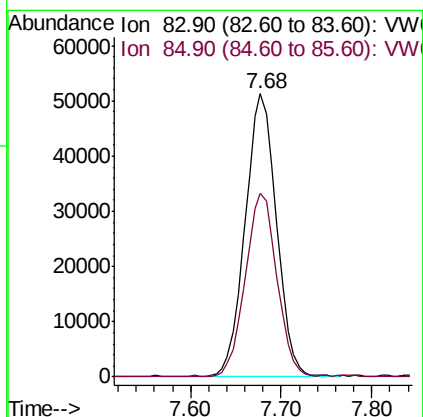
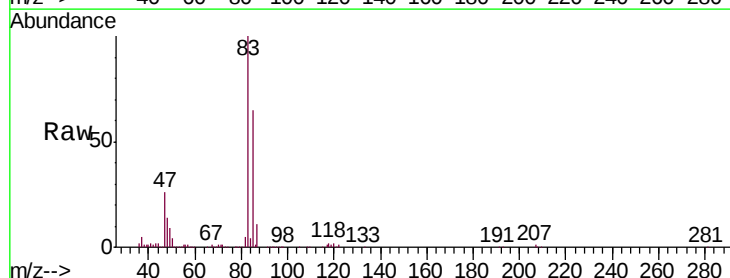
Acq: 08 Oct 2018 11:23

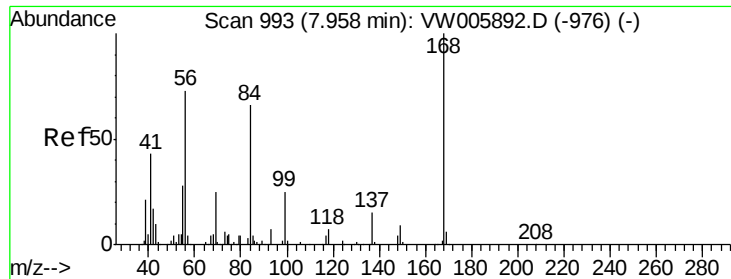
Tgt Ion: 83 Resp: 121888

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4

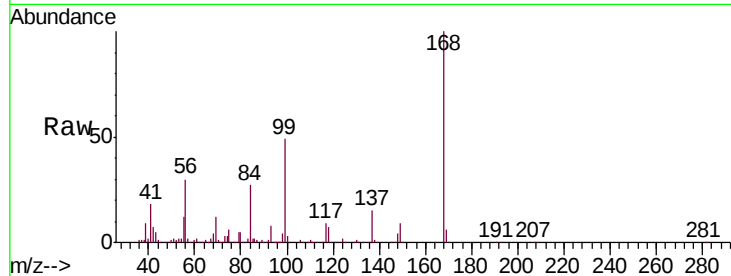




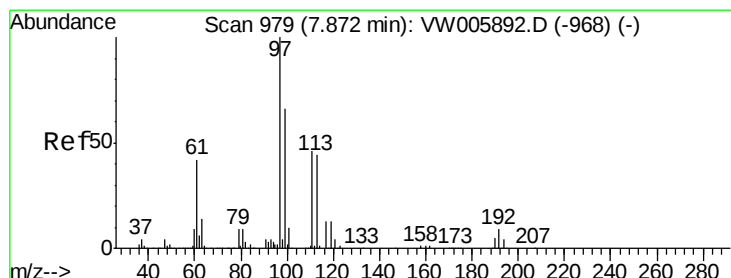
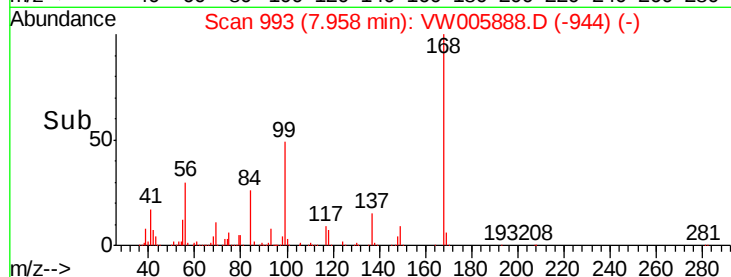
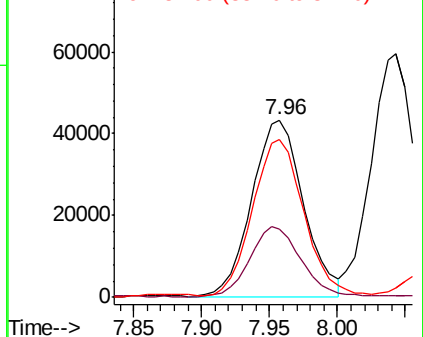
#31
Cyclohexane
Concen: 18.999 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 114125
Ion Ratio Lower Upper
56 100
69 38.3 27.9 41.9
84 88.3 72.3 108.5

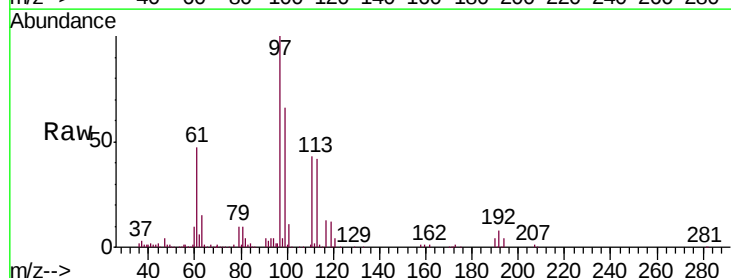


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

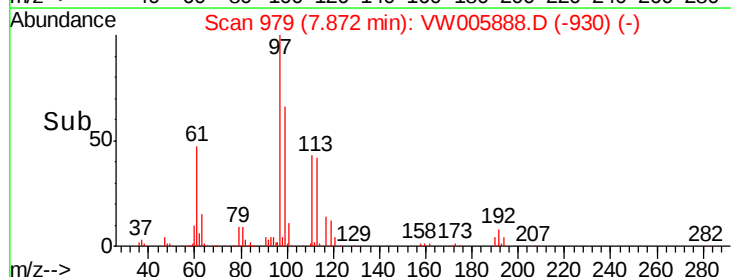
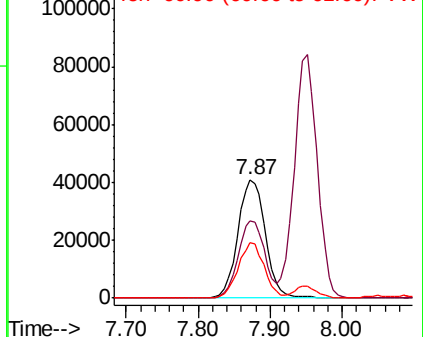


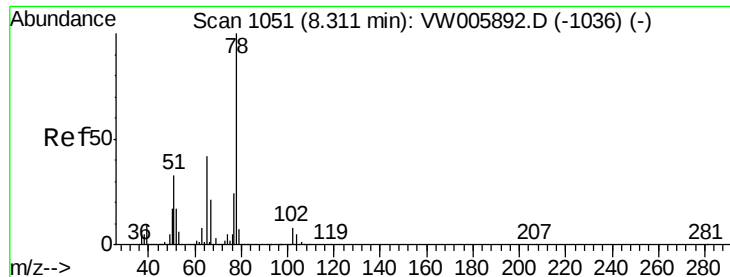
#32
1,1,1-Trichloroethane
Concen: 19.280 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 97 Resp: 107055
Ion Ratio Lower Upper
97 100
99 64.3 51.6 77.4
61 44.9 34.5 51.7



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: 19.178 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

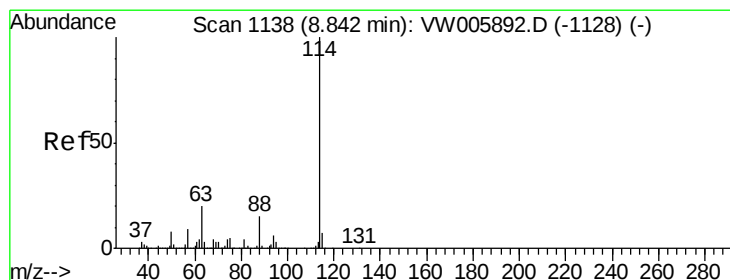
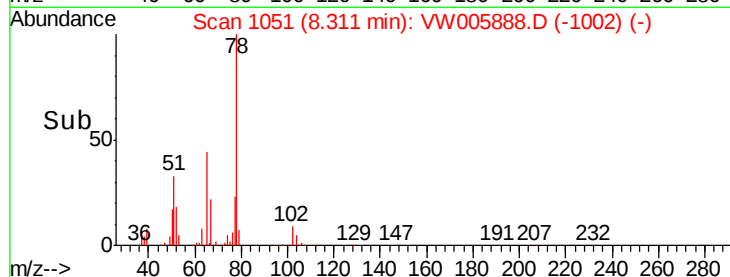
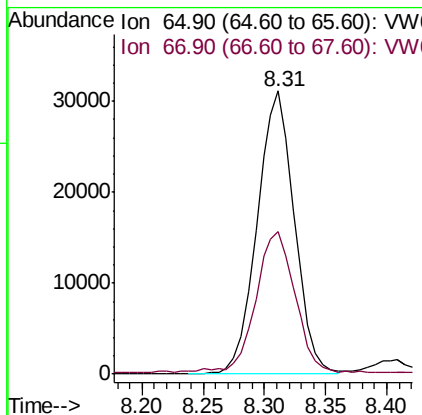
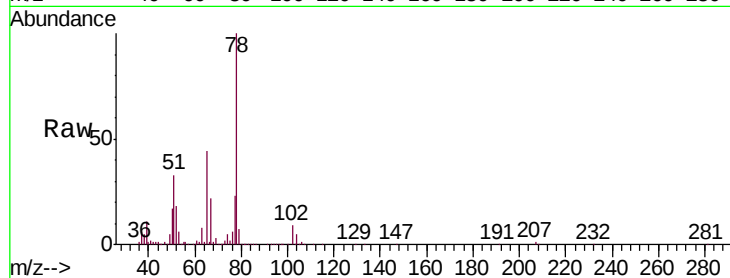
VSTDIC020

Tgt Ion: 65 Resp: 65803

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

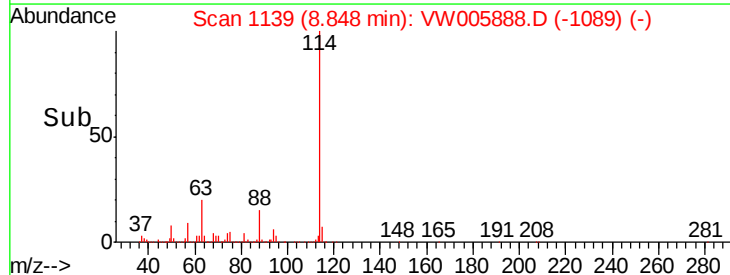
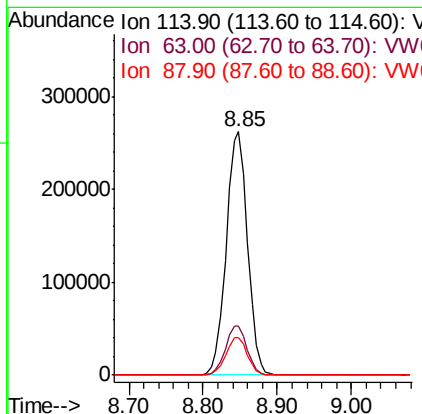
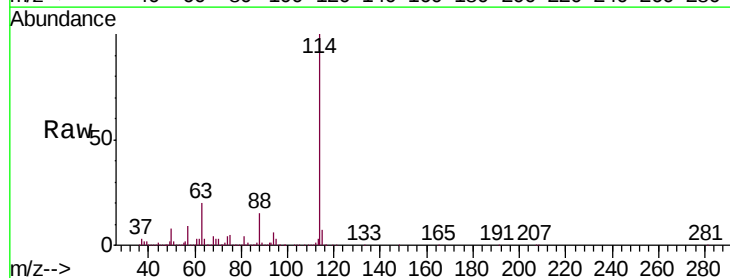
Tgt Ion: 114 Resp: 520591

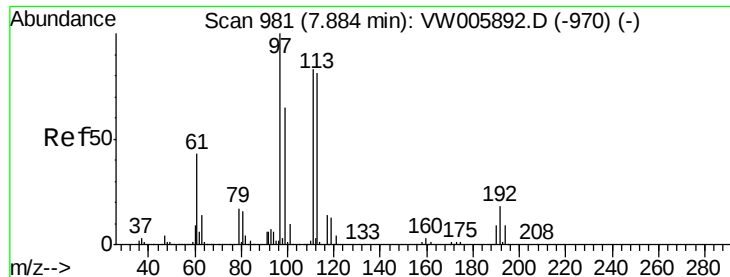
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.2

88 15.2 0.0 30.8

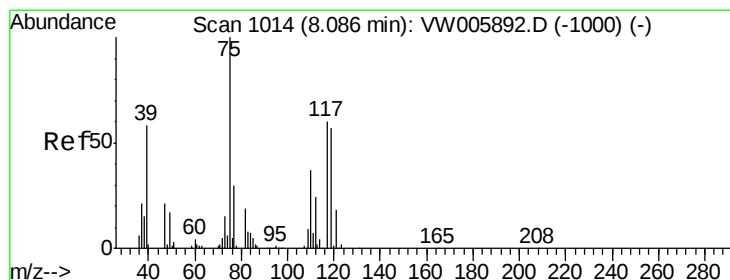
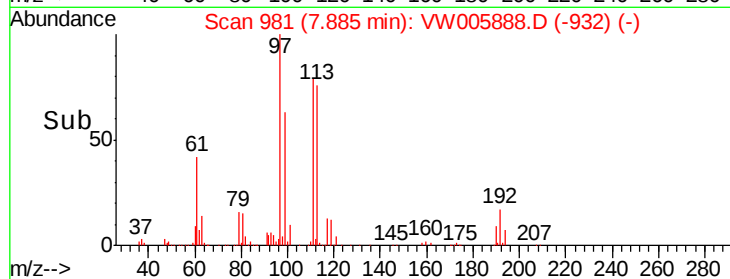
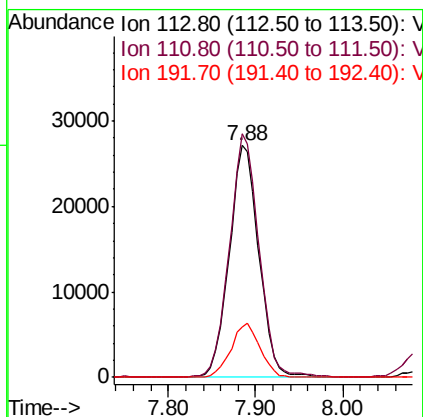
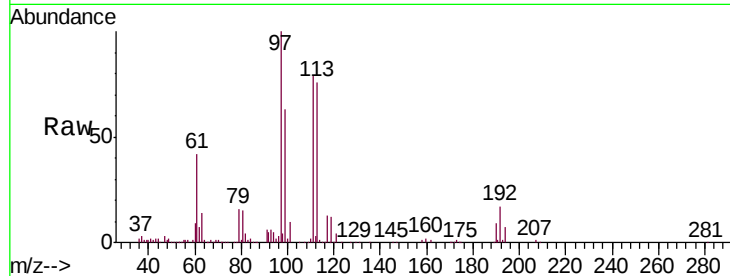




#35
 Dibromofluoromethane
 Concen: 19.201 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

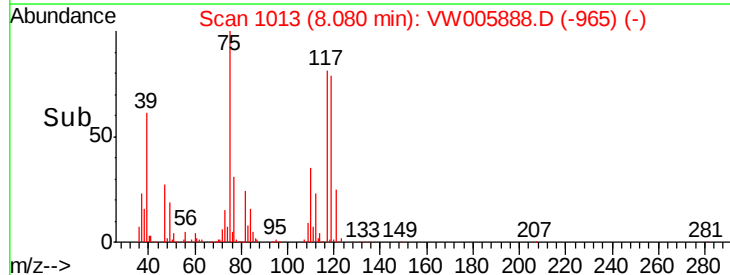
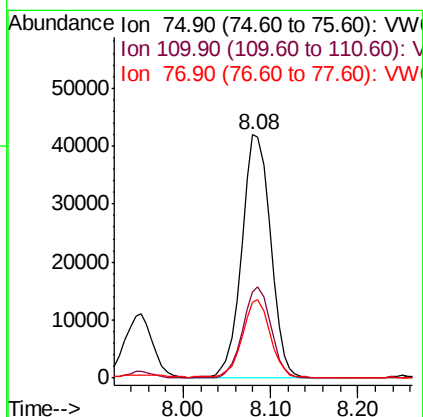
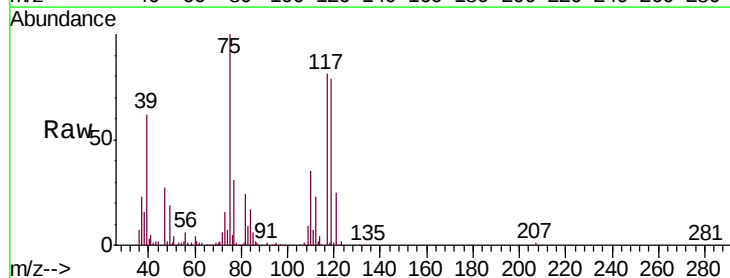
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 113 Resp: 63818
 Ion Ratio Lower Upper
 113 100
 111 104.9 82.0 123.0
 192 22.9 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 19.350 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 75 Resp: 96525
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.6 56.0
 77 31.2 24.7 37.1

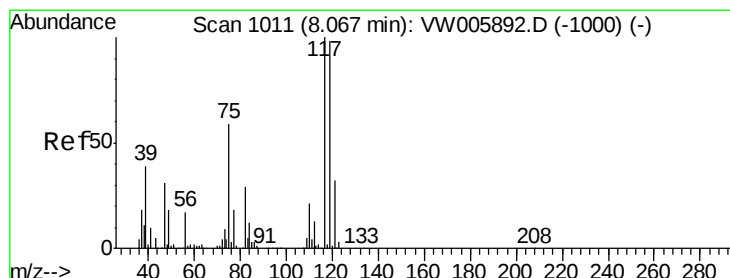
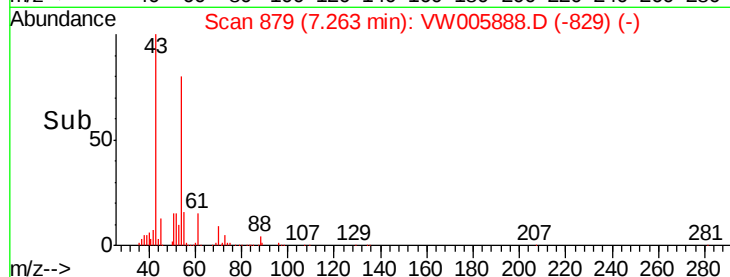
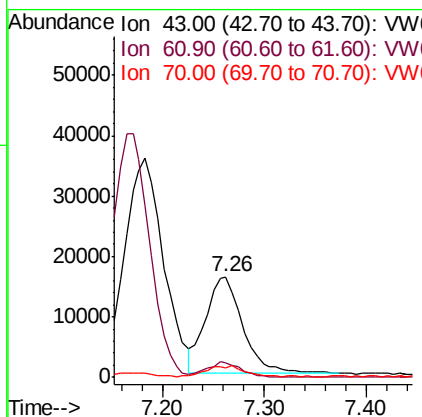
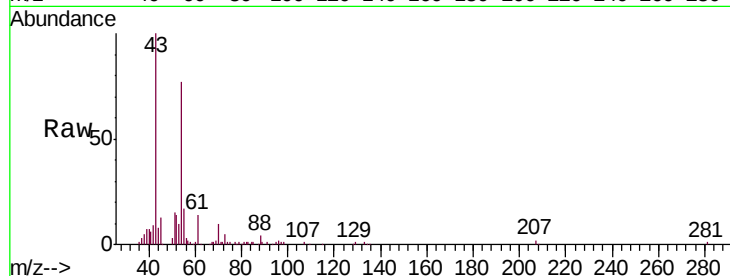




#37
Ethyl Acetate
Concen: 19.393 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

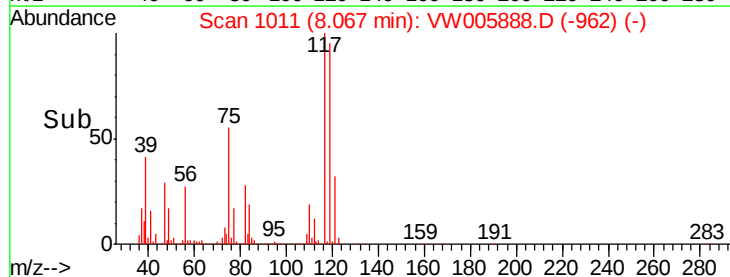
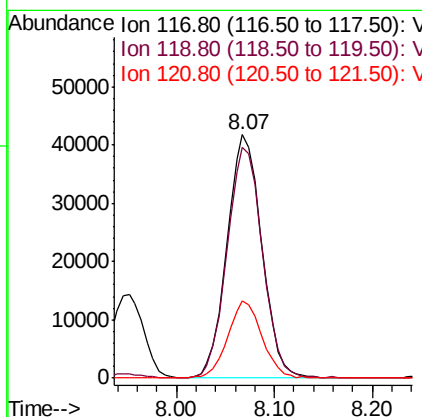
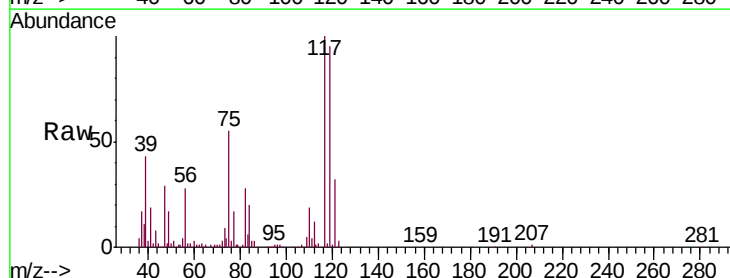
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

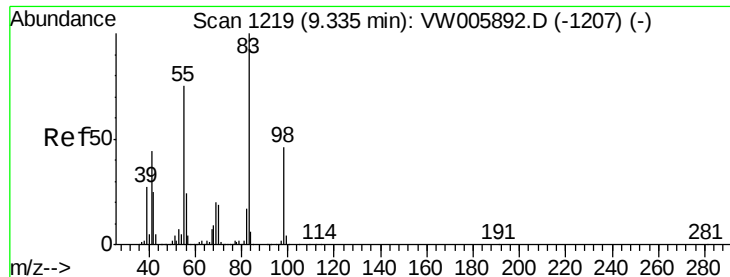
Tgt Ion: 43 Resp: 40966
Ion Ratio Lower Upper
43 100
61 14.4 10.6 16.0
70 10.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.092 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 117 Resp: 102322
Ion Ratio Lower Upper
117 100
119 94.6 78.6 117.8
121 31.5 25.3 37.9

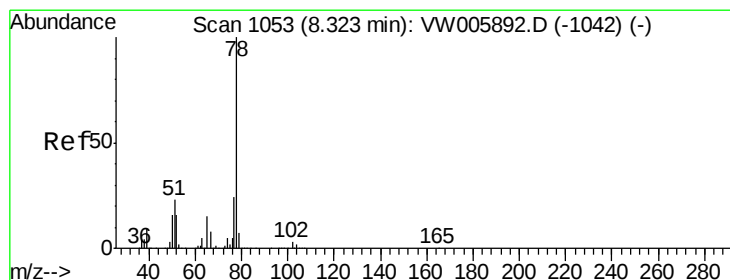
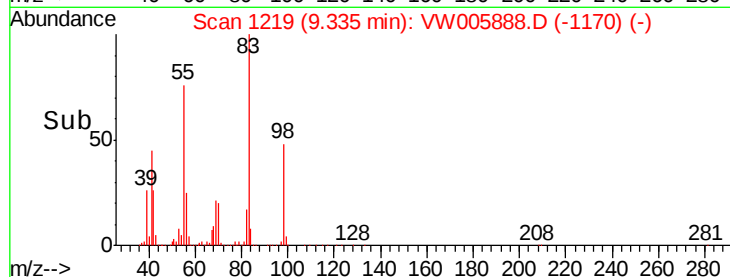
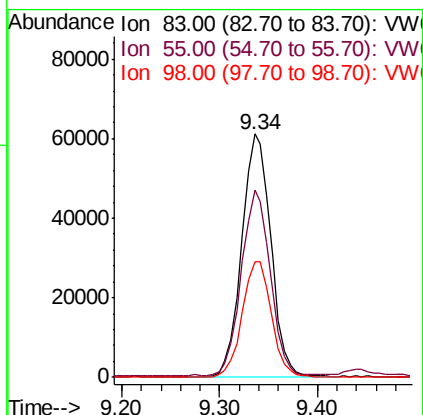
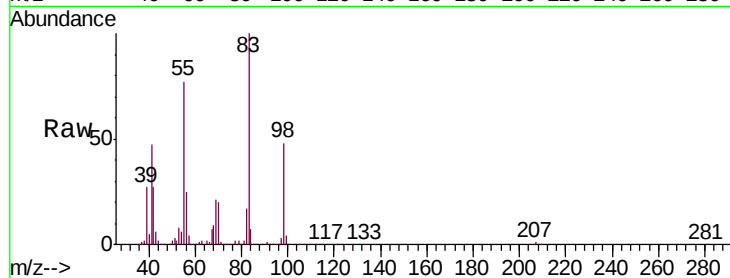




#39
Methylcyclohexane
Concen: 19.103 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

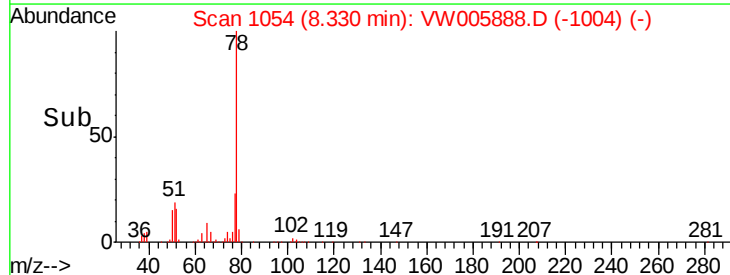
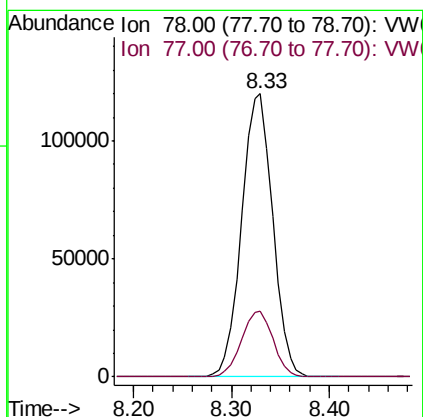
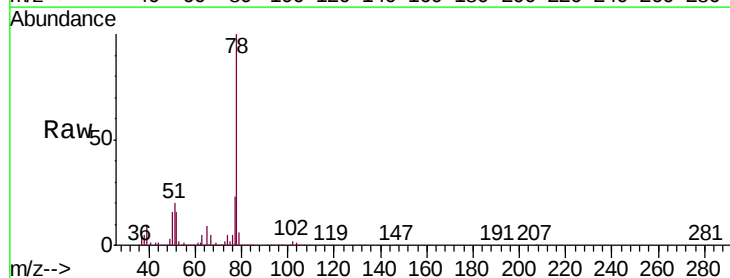
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

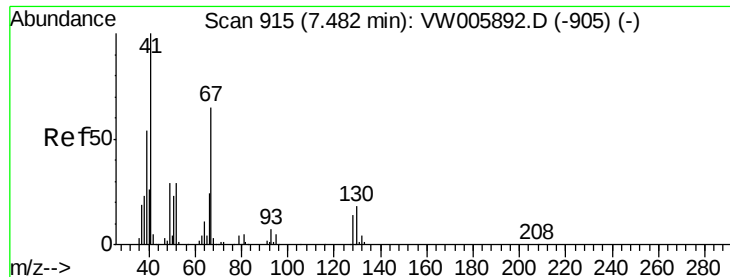
Tgt Ion: 83 Resp: 125683
Ion Ratio Lower Upper
83 100
55 76.2 59.8 89.6
98 47.6 37.1 55.7



#40
Benzene
Concen: 19.367 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 78 Resp: 264404
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

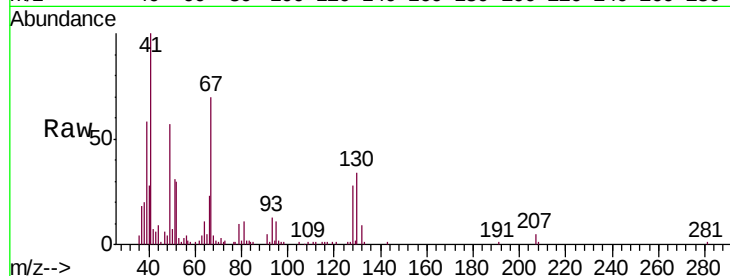




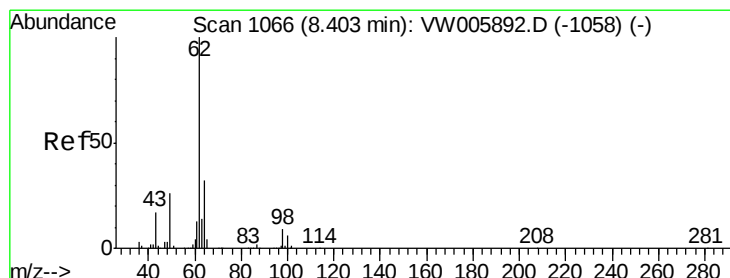
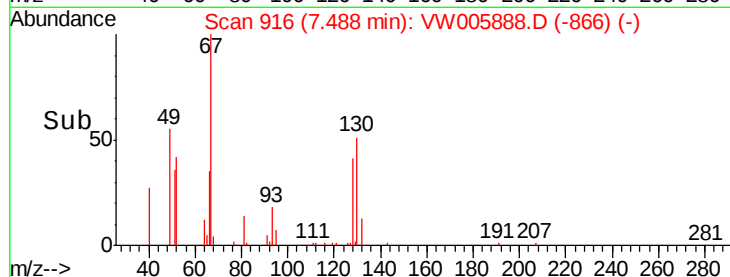
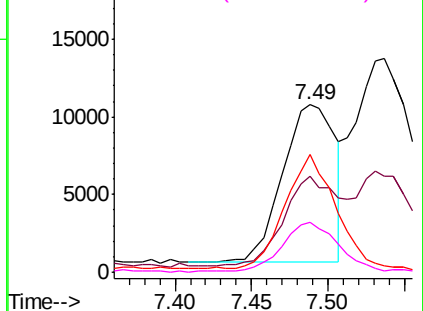
#41
Methacrylonitrile
Concen: 18.275 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:	41	Resp:	24169
Ion	Ratio	Lower	Upper
41	100		
39	61.3	45.0	67.4
67	71.2	55.8	83.8
52	34.9	25.3	37.9

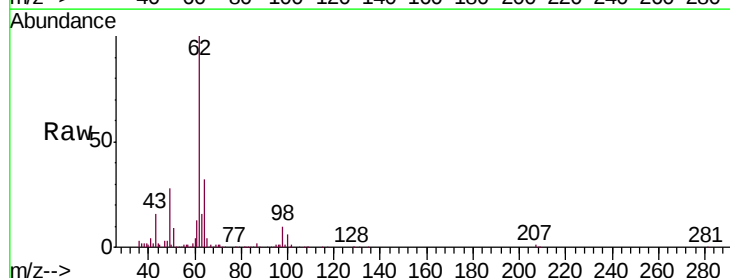


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

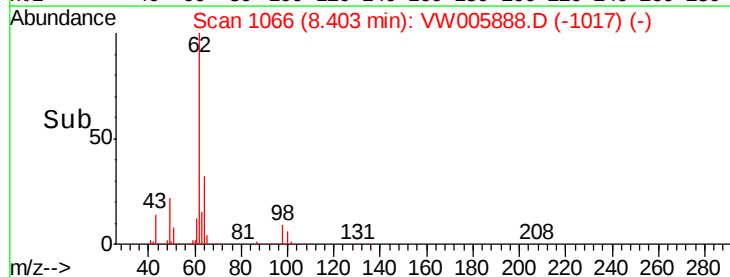
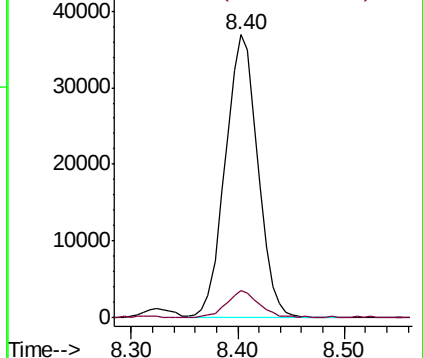


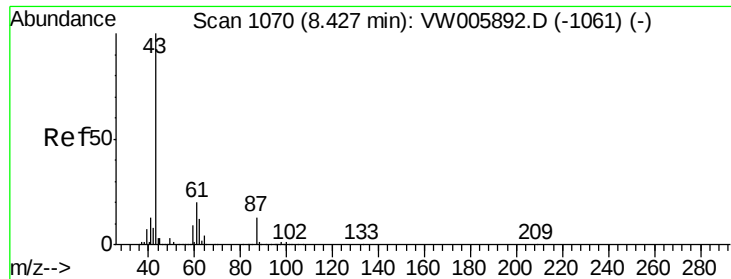
#42
1,2-Dichloroethane
Concen: 19.171 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion:	62	Resp:	79076
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.0



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





#43

Isopropyl Acetate

Concen: 19.315 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

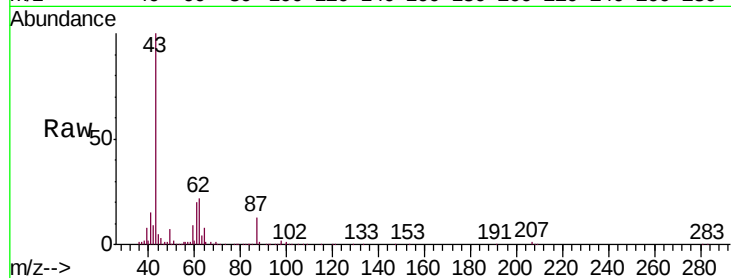
Tgt Ion: 43 Resp: 85232

Ion Ratio Lower Upper

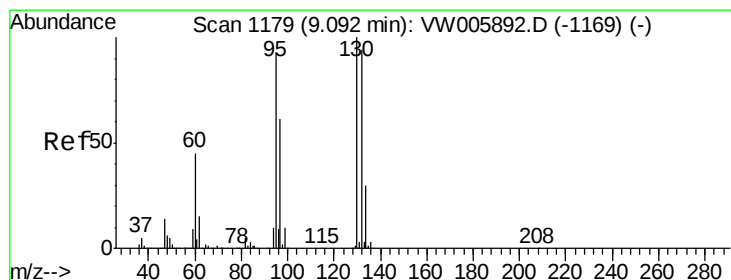
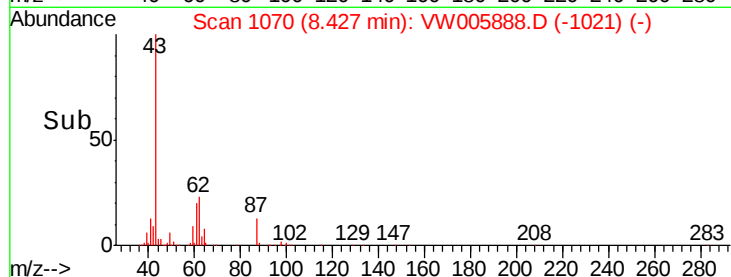
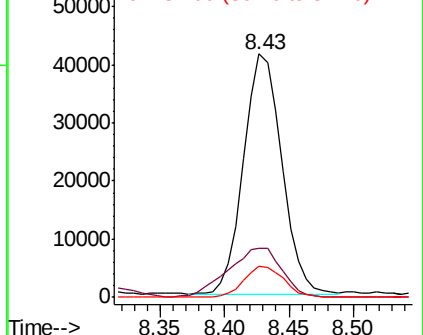
43 100

61 28.9 23.1 34.7

87 13.5 10.7 16.1



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



#44

Trichloroethene

Concen: 19.277 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005888.D

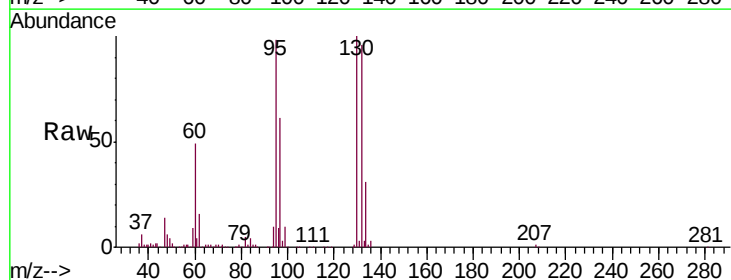
Acq: 08 Oct 2018 11:23

Tgt Ion: 130 Resp: 76360

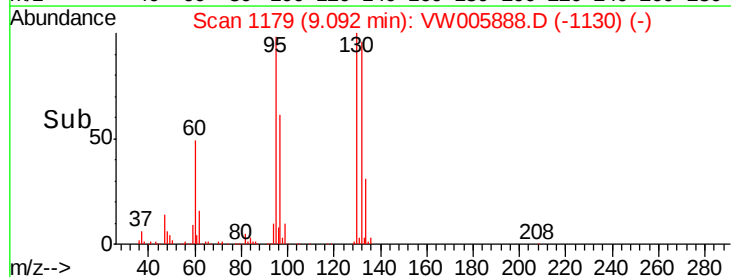
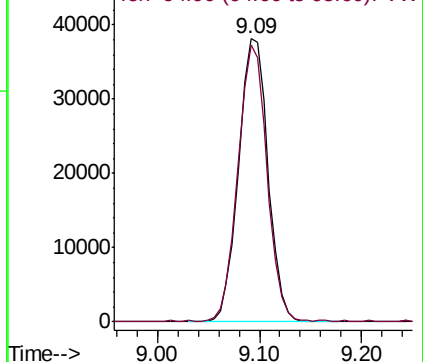
Ion Ratio Lower Upper

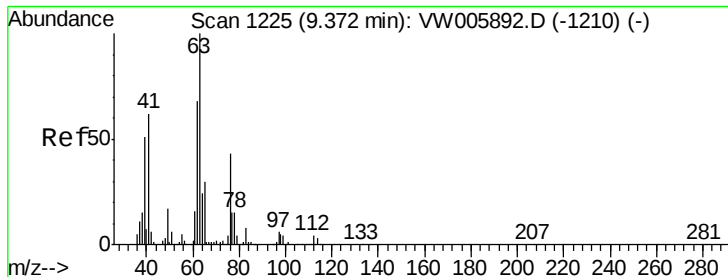
130 100

95 97.6 0.0 185.6



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





#45

1,2-Dichloropropane

Concen: 19.607 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

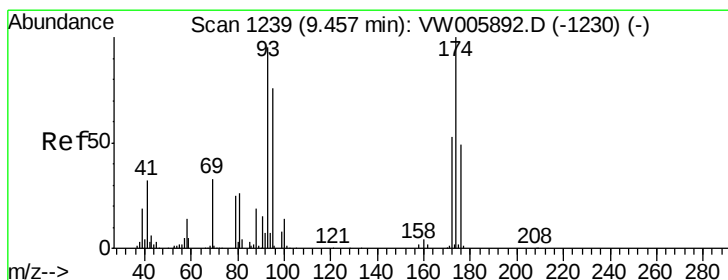
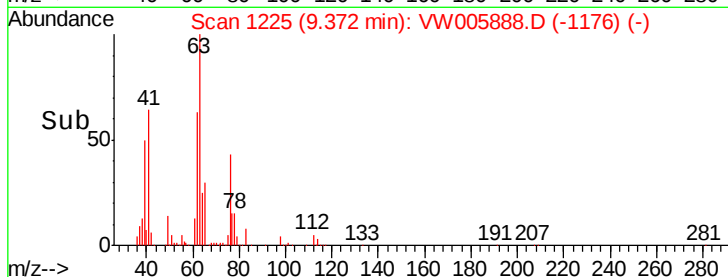
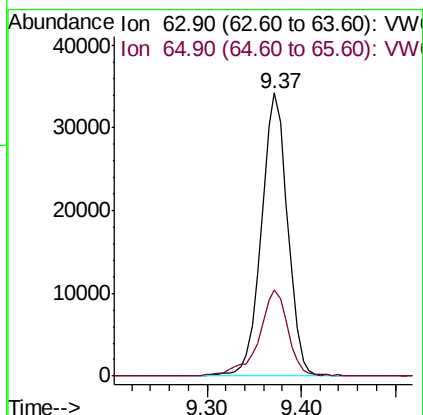
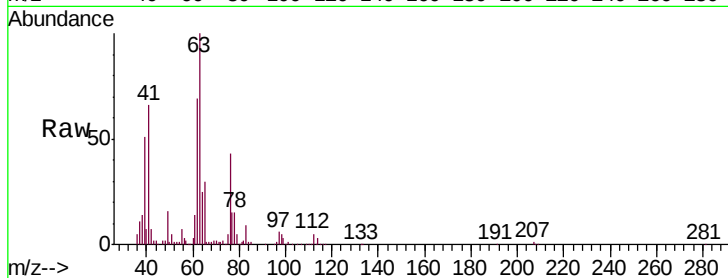
VSTDIC020

Tgt Ion: 63 Resp: 67005

Ion Ratio Lower Upper

63 100

65 30.0 24.3 36.5



#46

Dibromomethane

Concen: 19.295 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

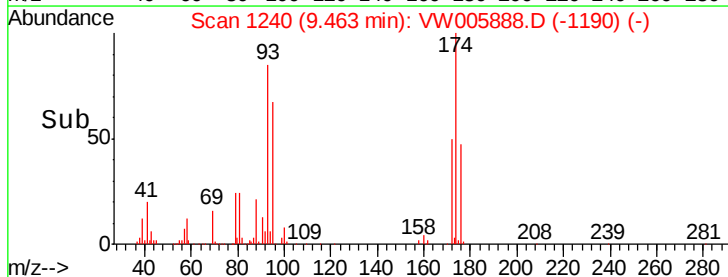
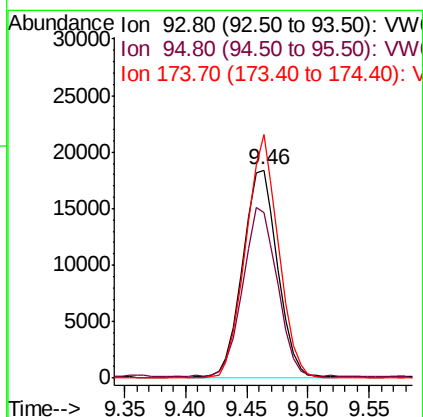
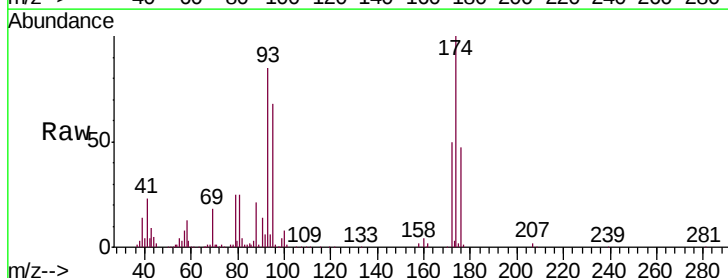
Tgt Ion: 93 Resp: 36241

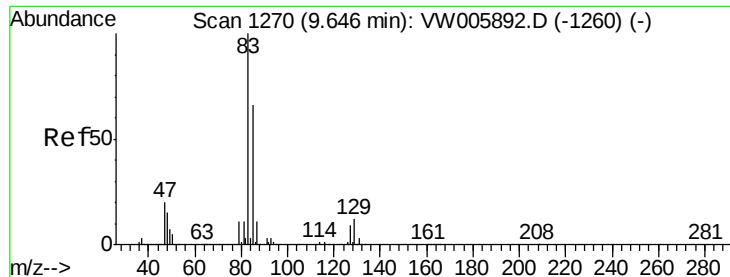
Ion Ratio Lower Upper

93 100

95 81.2 66.6 99.8

174 110.4 90.4 135.6





#47

Bromodichloromethane

Concen: 19.455 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

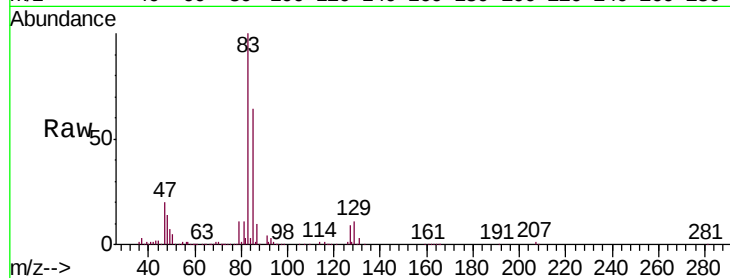
Tgt Ion: 83 Resp: 91954

Ion Ratio Lower Upper

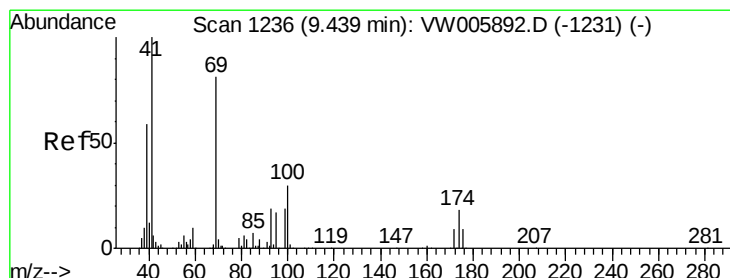
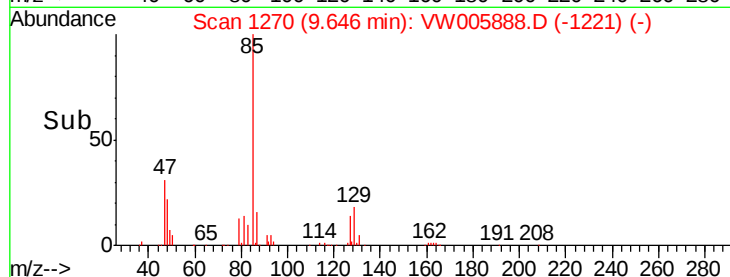
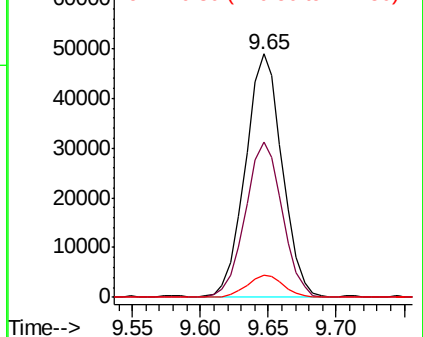
83 100

85 63.6 53.0 79.6

127 9.1 7.4 11.0



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



#48

Methyl methacrylate

Concen: 19.073 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

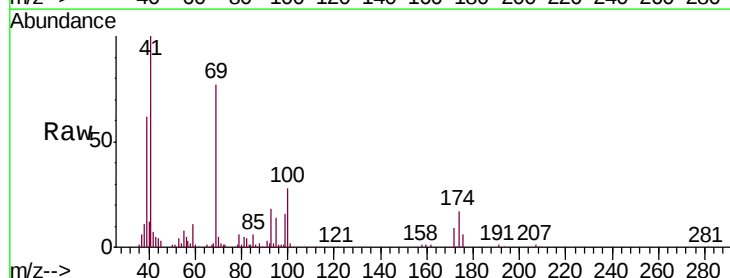
Tgt Ion: 41 Resp: 40092

Ion Ratio Lower Upper

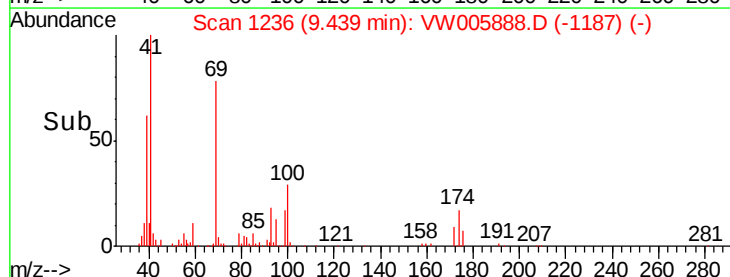
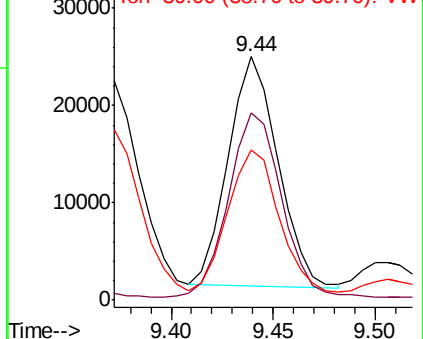
41 100

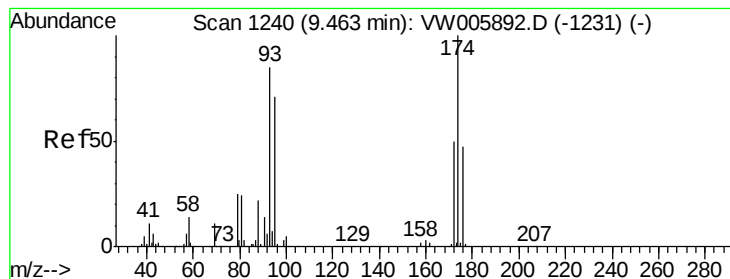
69 86.3 68.7 103.1

39 68.2 50.0 75.0



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





#49

1,4-Dioxane

Concen: 399.269 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

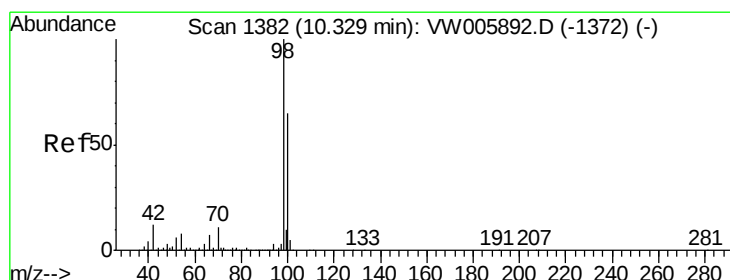
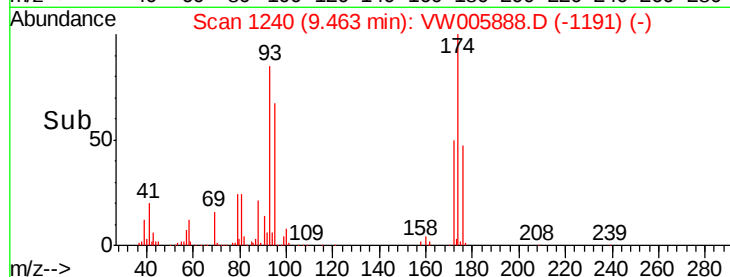
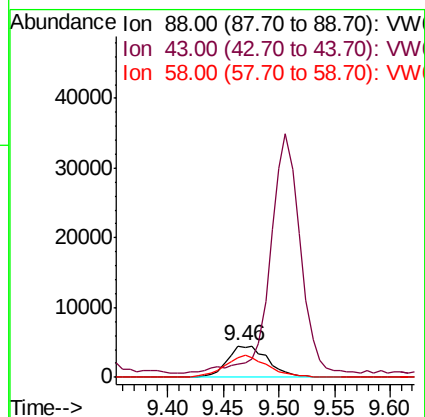
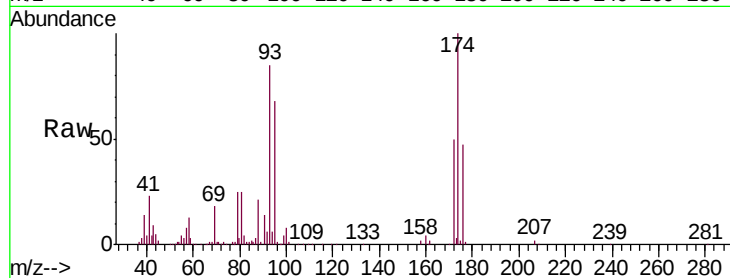
Tgt Ion: 88 Resp: 11391

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 75.6 57.7 86.5



#50

Toluene-d8

Concen: 19.372 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005888.D

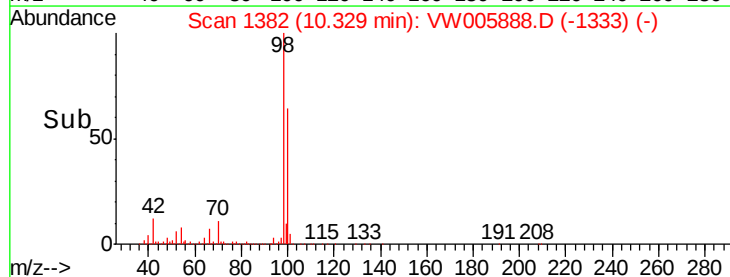
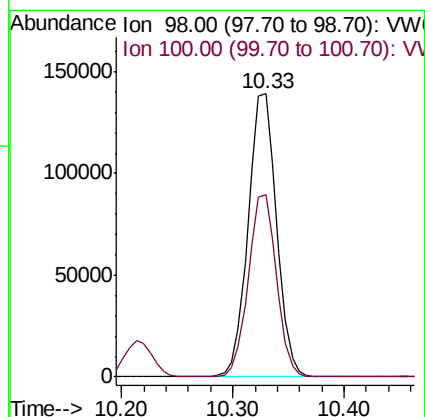
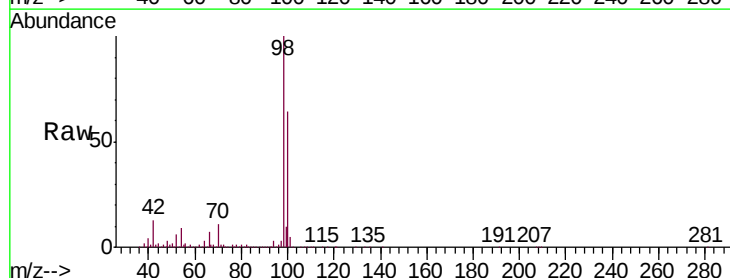
Acq: 08 Oct 2018 11:23

Tgt Ion: 98 Resp: 247728

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9

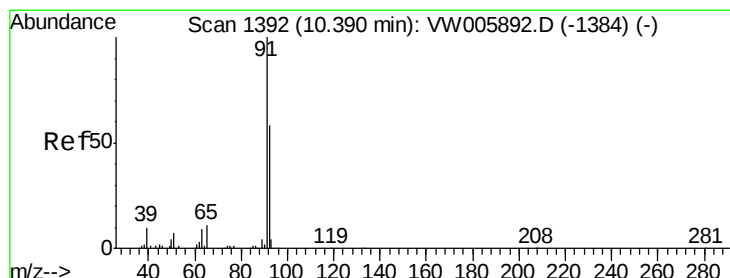
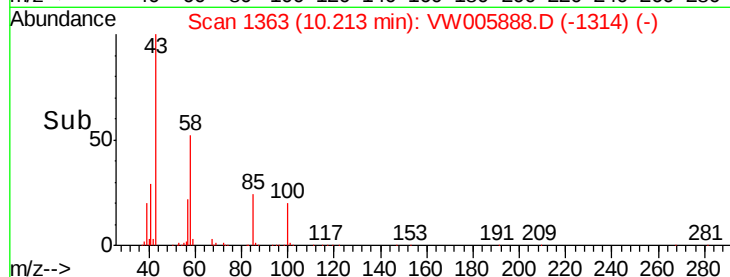
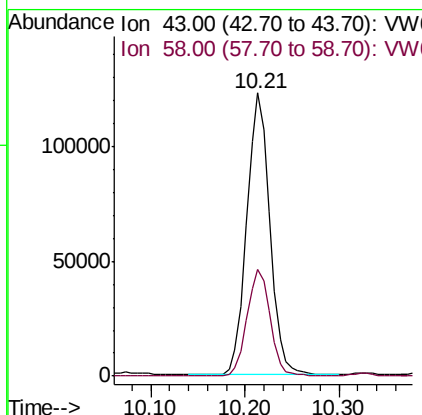
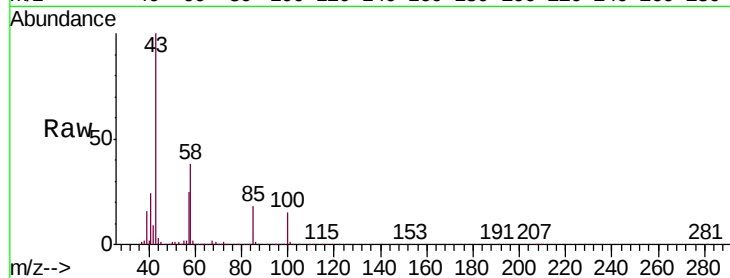




#51
 4-Methyl-2-Pentanone
 Concen: 98.185 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

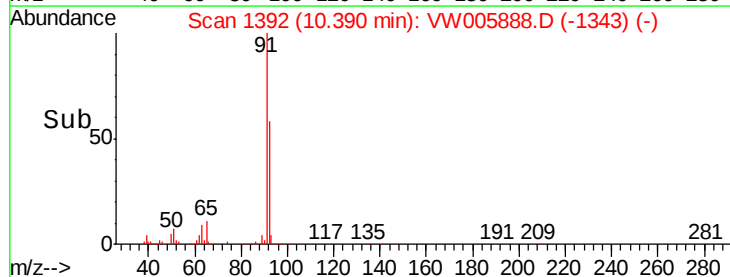
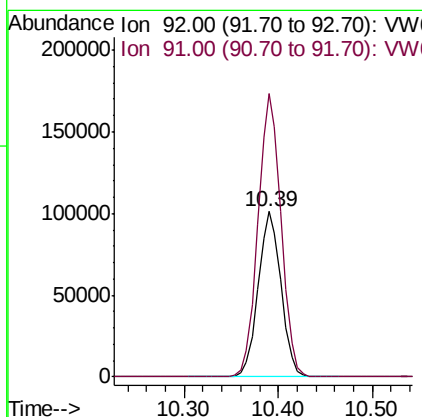
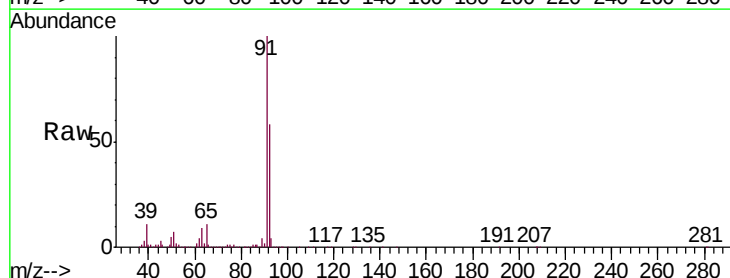
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

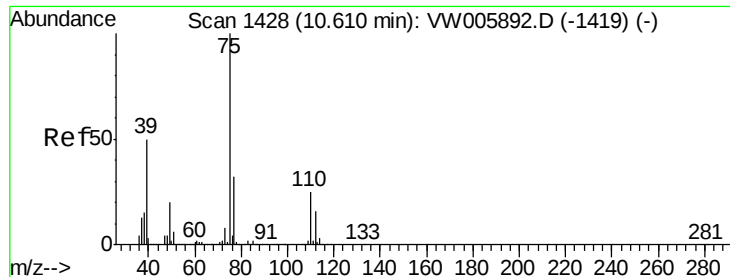
Tgt Ion: 43 Resp: 210977
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.2 45.4



#52
 Toluene
 Concen: 19.250 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 92 Resp: 172655
 Ion Ratio Lower Upper
 92 100
 91 172.8 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 19.288 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

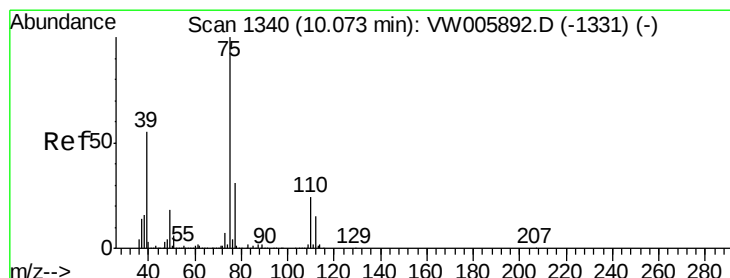
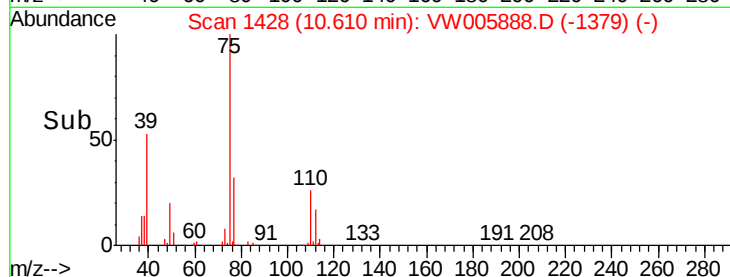
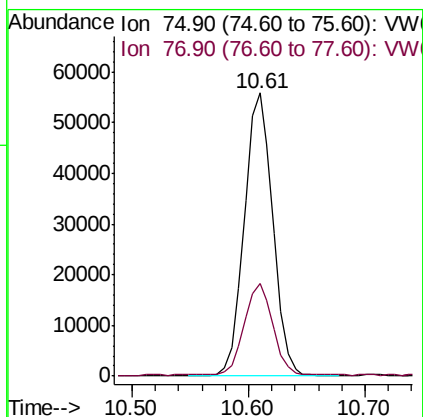
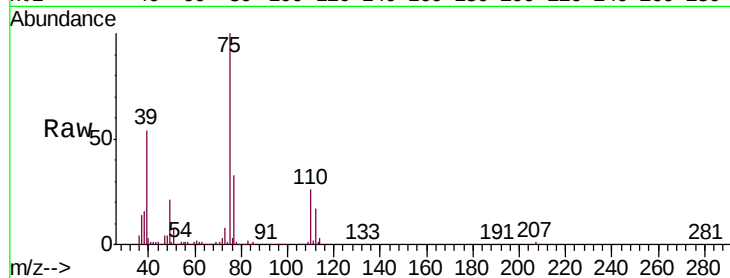
VSTDIC020

Tgt Ion: 75 Resp: 95269

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.291 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

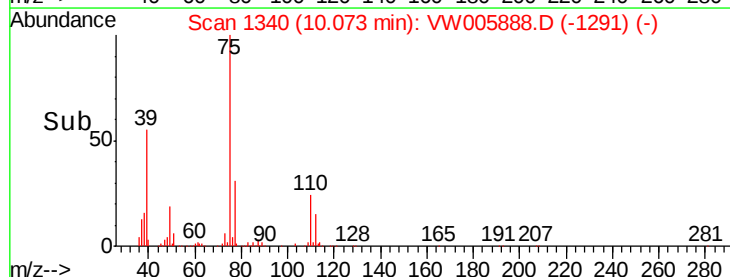
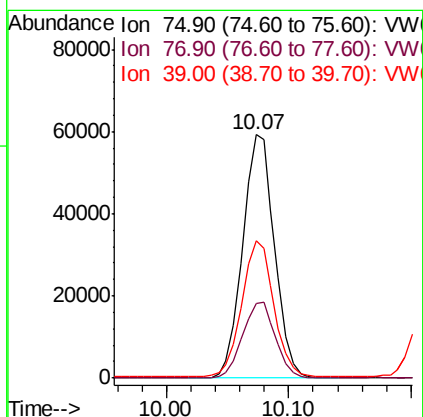
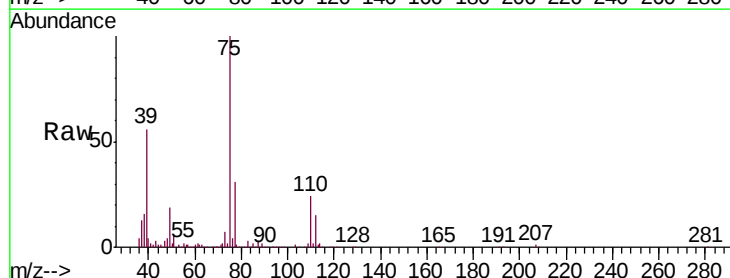
Tgt Ion: 75 Resp: 107107

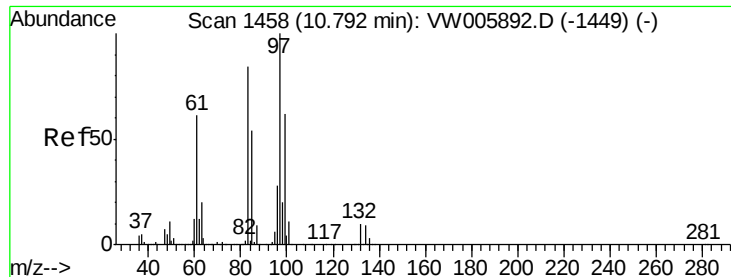
Ion Ratio Lower Upper

75 100

77 30.6 24.6 37.0

39 55.9 44.2 66.4





#55

1,1,2-Trichloroethane

Concen: 19.014 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 49466

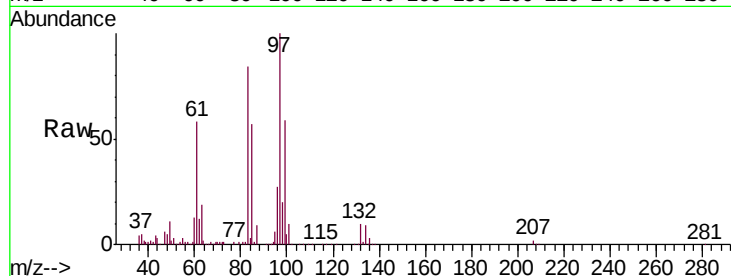
Ion Ratio Lower Upper

97 100

83 83.6 66.9 100.3

85 57.0 43.4 65.0

99 59.4 49.8 74.6

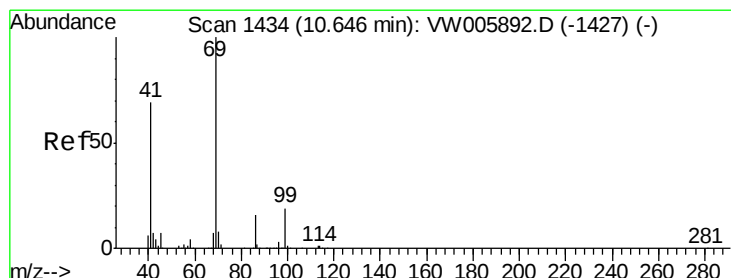
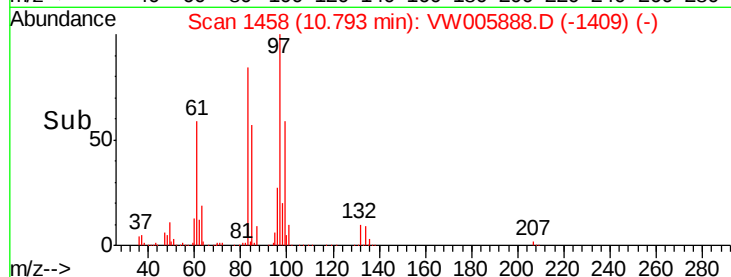
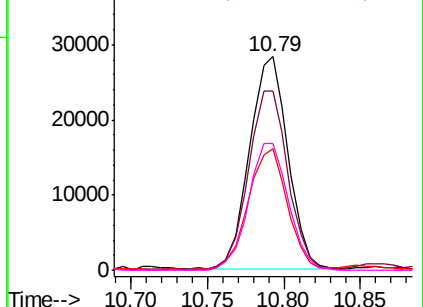


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 19.210 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

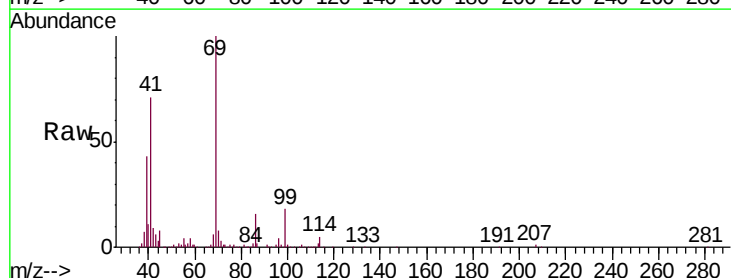
Tgt Ion: 69 Resp: 67355

Ion Ratio Lower Upper

69 100

41 70.1 56.0 84.0

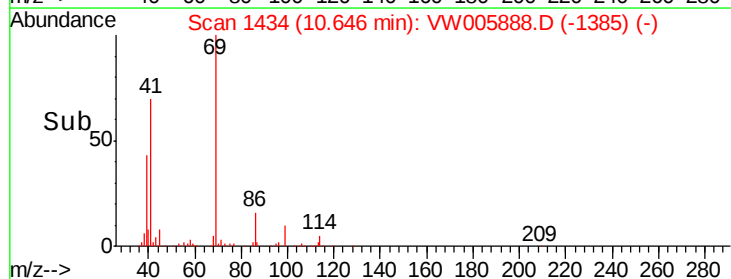
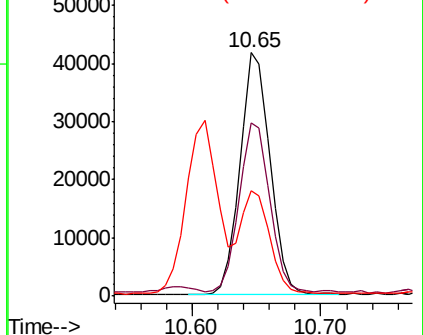
39 42.1 33.5 50.3



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: 19.434 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

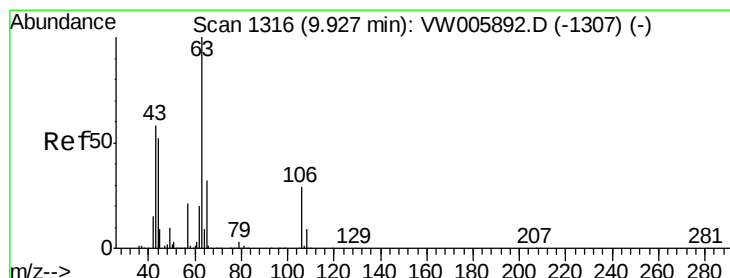
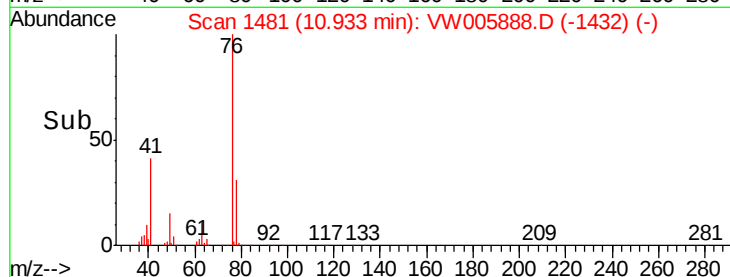
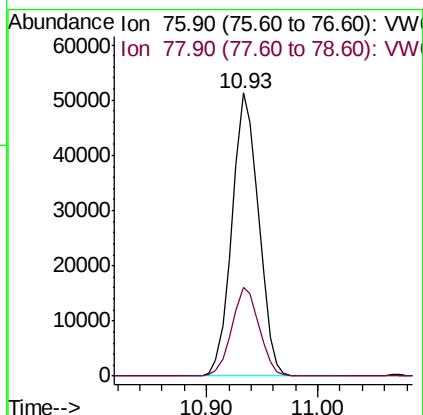
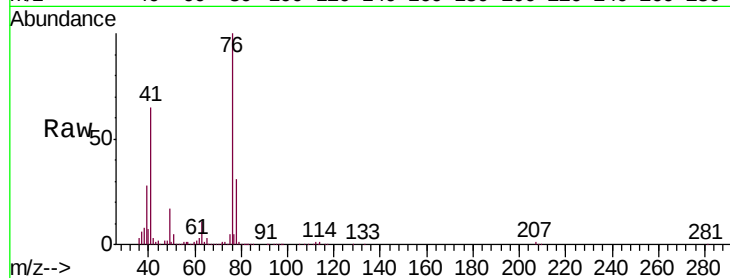
VSTDIC020

Tgt Ion: 76 Resp: 85055

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 99.685 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW005888.D

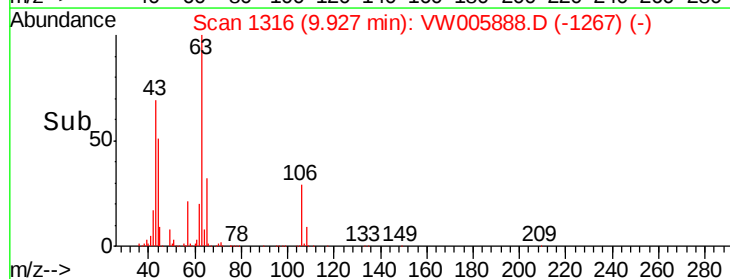
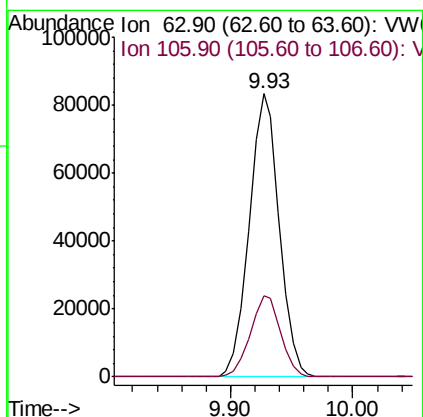
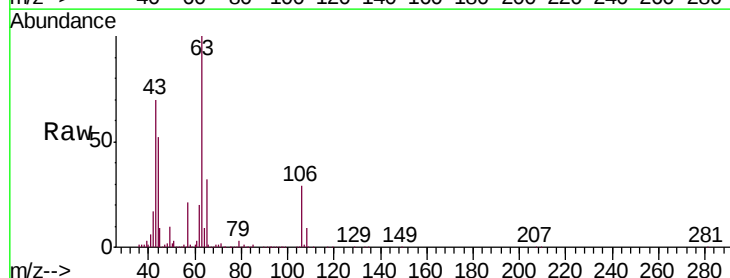
Acq: 08 Oct 2018 11:23

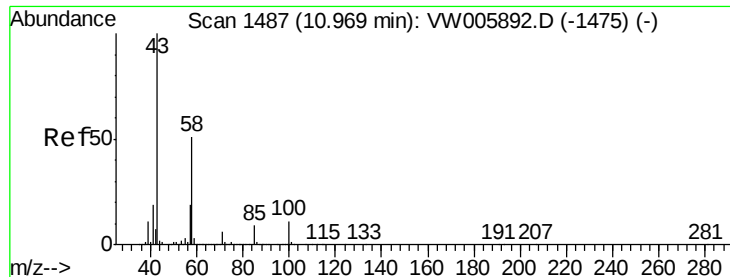
Tgt Ion: 63 Resp: 142221

Ion Ratio Lower Upper

63 100

106 28.9 23.6 35.4





#59

2-Hexanone

Concen: 98.331 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

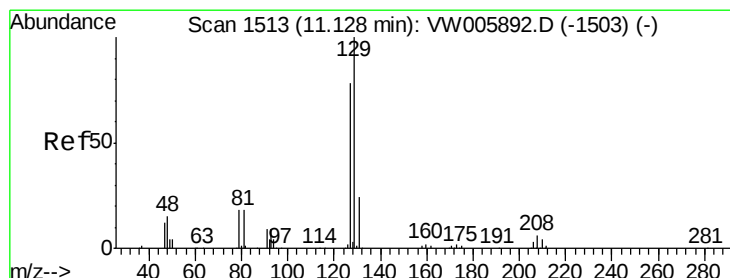
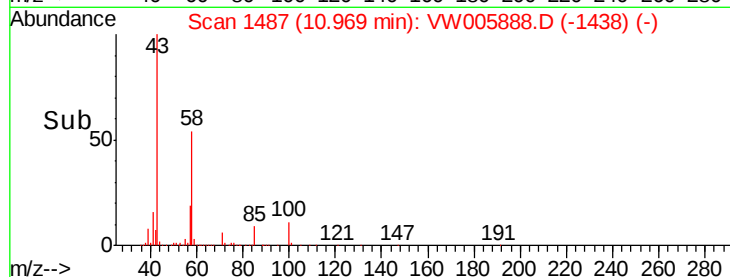
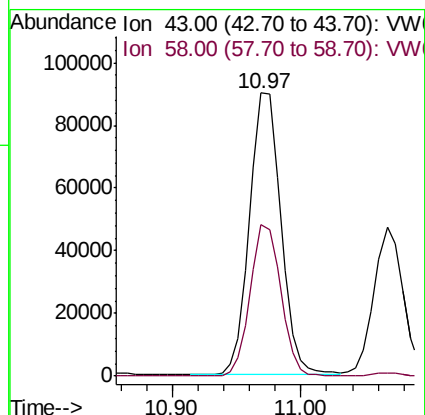
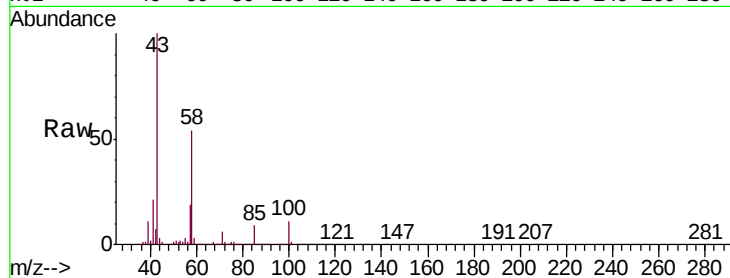
VSTDIC020

Tgt Ion: 43 Resp: 151500

Ion Ratio Lower Upper

43 100

58 52.7 25.7 77.1



#60

Dibromochloromethane

Concen: 19.096 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW005888.D

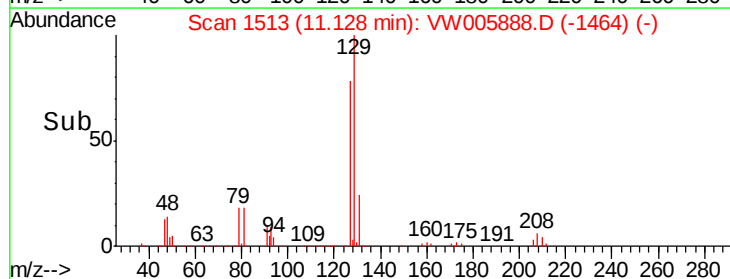
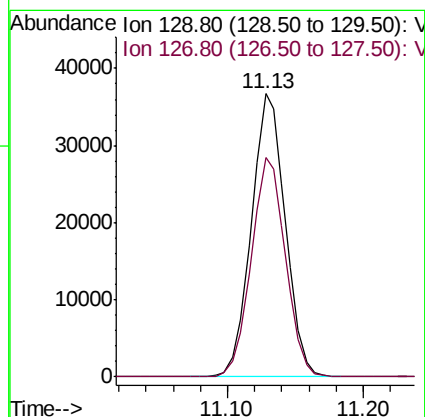
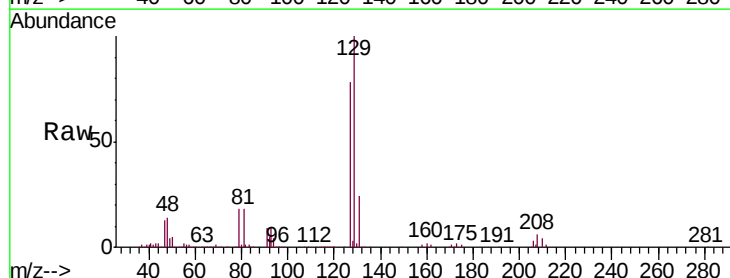
Acq: 08 Oct 2018 11:23

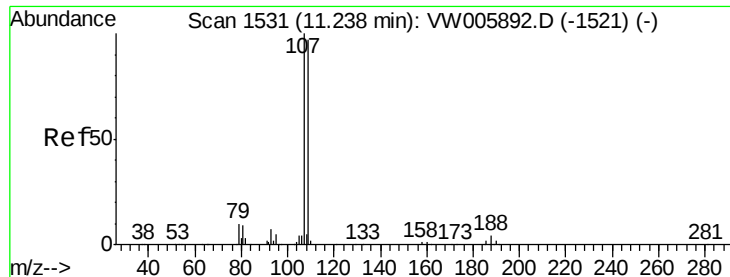
Tgt Ion: 129 Resp: 64107

Ion Ratio Lower Upper

129 100

127 77.8 38.5 115.5

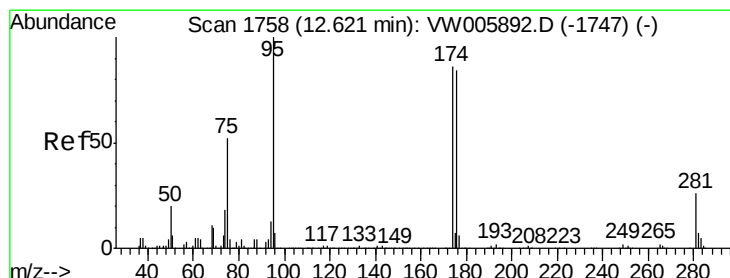
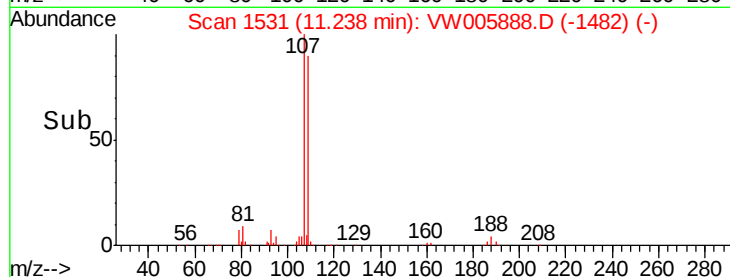
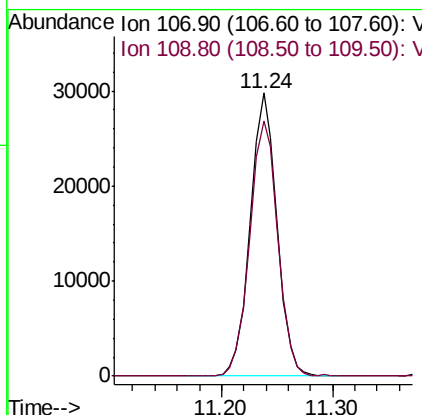
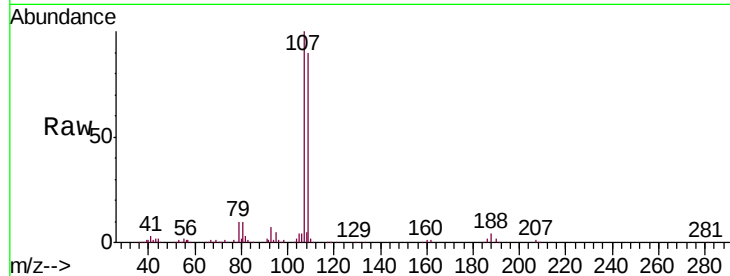




#61
 1,2-Dibromoethane
 Concen: 19.220 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

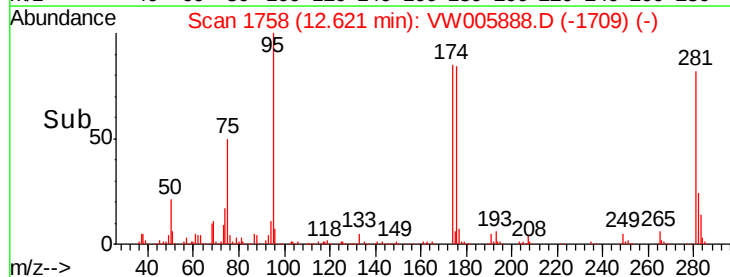
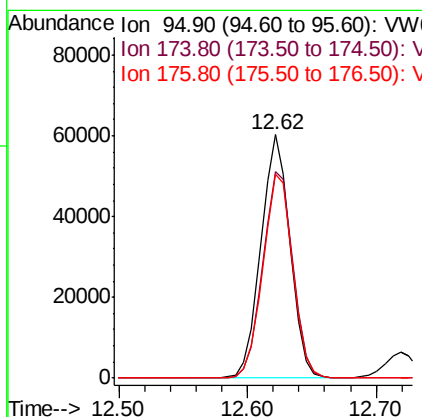
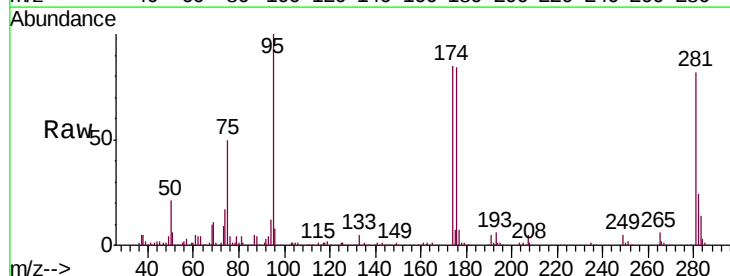
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 107 Resp: 49965
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 19.236 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 95 Resp: 93588
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 176.4
 176 86.3 0.0 173.0

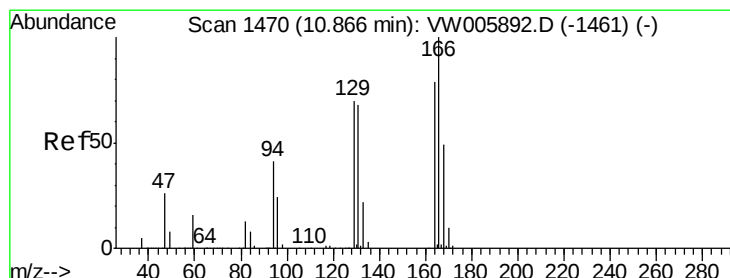
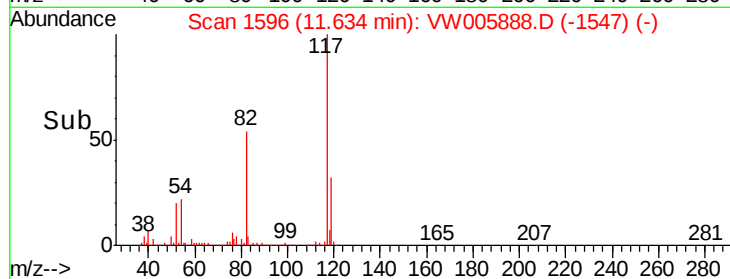
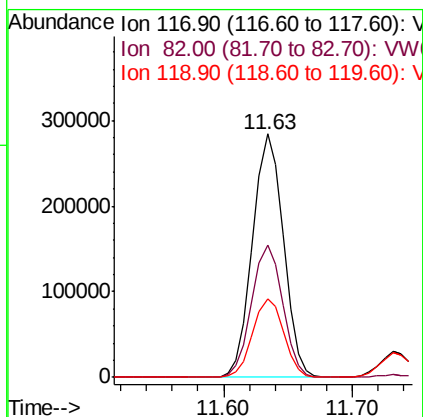
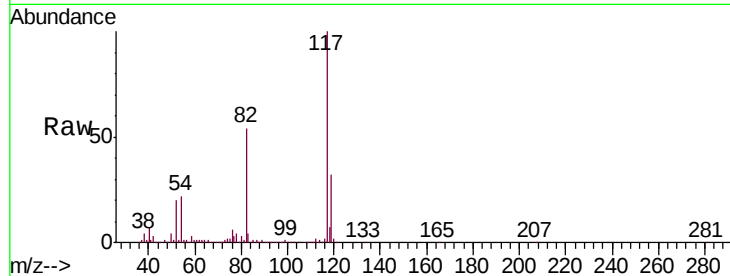




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

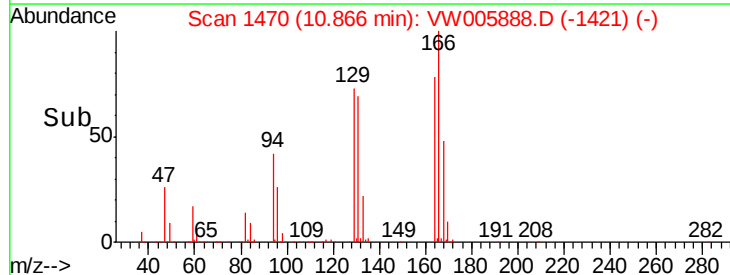
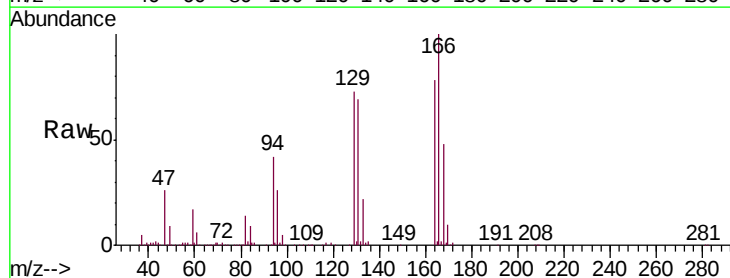
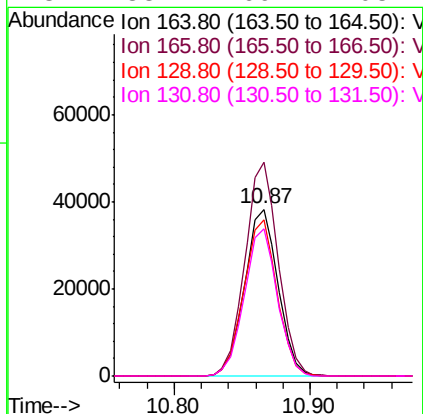
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 471057
Ion Ratio Lower Upper
117 100
82 54.3 43.5 65.3
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 18.738 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion:164 Resp: 65751
Ion Ratio Lower Upper
164 100
166 128.3 101.5 152.3
129 94.1 71.1 106.7
131 88.1 69.1 103.7

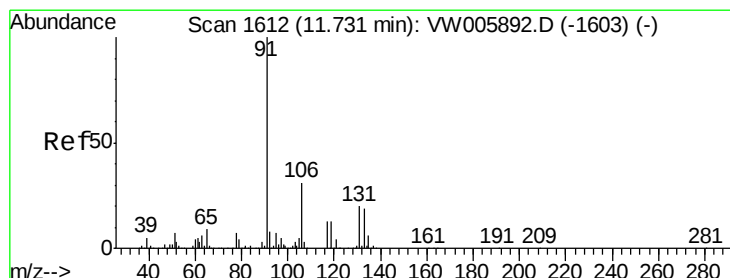
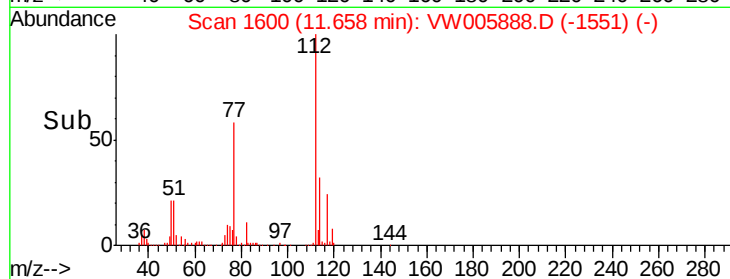
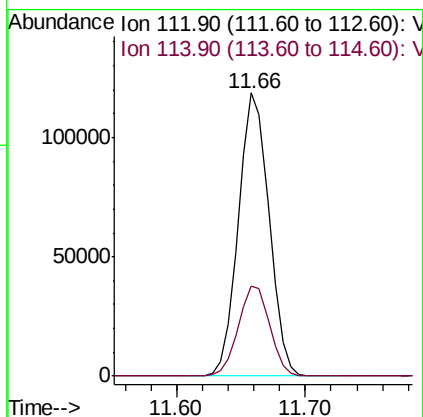
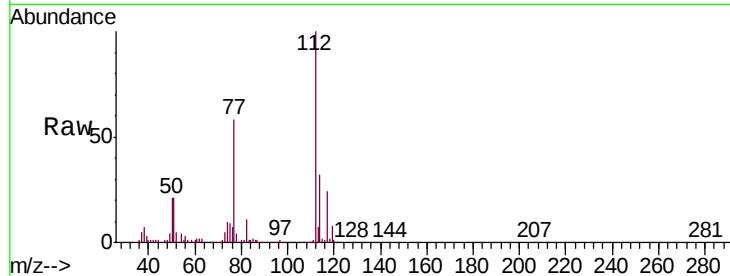




#65
Chlorobenzene
Concen: 19.394 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

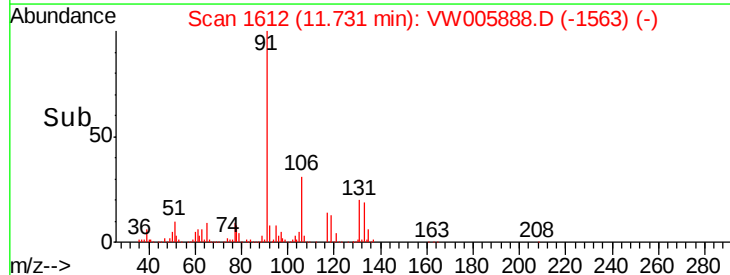
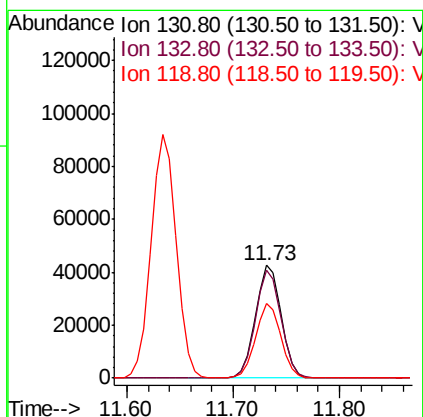
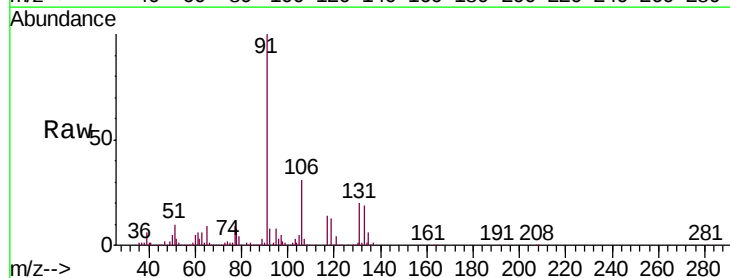
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

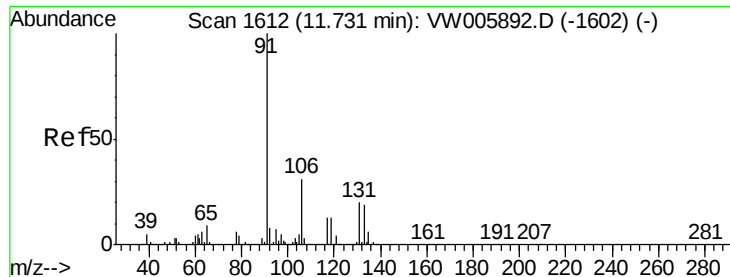
Tgt Ion:112 Resp: 195690
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.523 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion:131 Resp: 72205
Ion Ratio Lower Upper
131 100
133 94.9 48.2 144.6
119 64.4 32.5 97.5

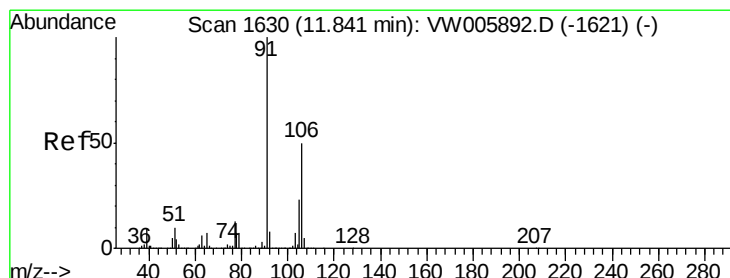
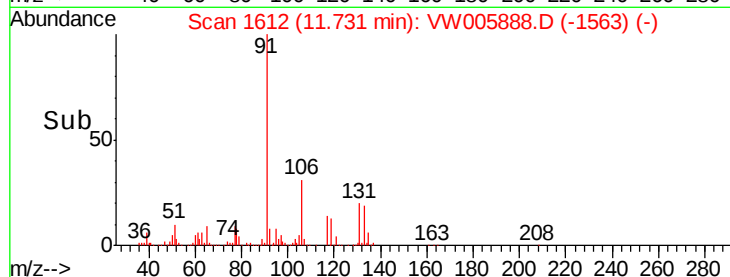
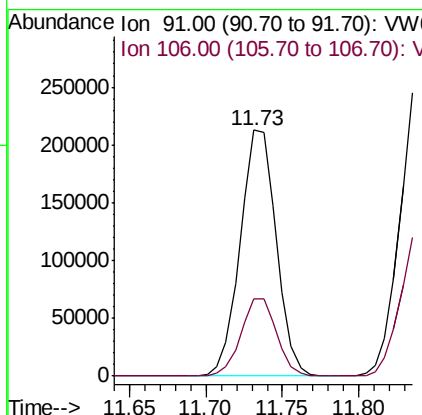
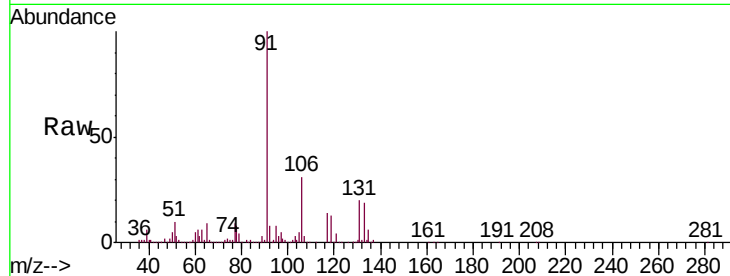




#67
Ethyl Benzene
Concen: 19.502 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

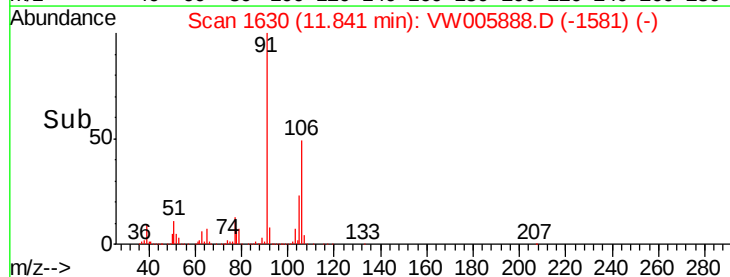
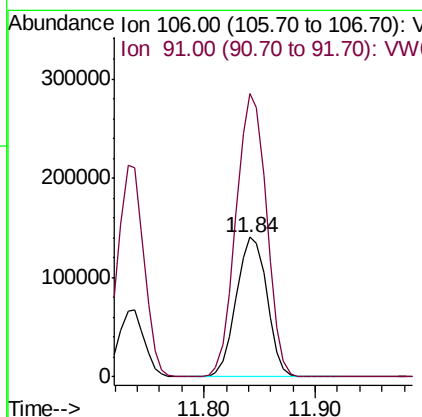
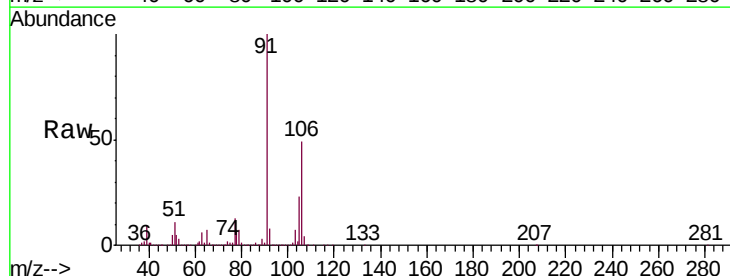
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

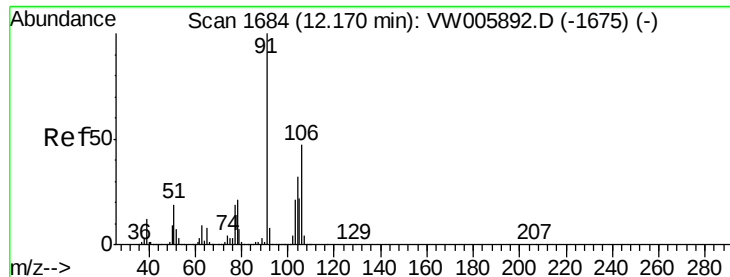
Tgt Ion: 91 Resp: 347571
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 38.645 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion: 106 Resp: 269159
Ion Ratio Lower Upper
106 100
91 201.2 160.2 240.2

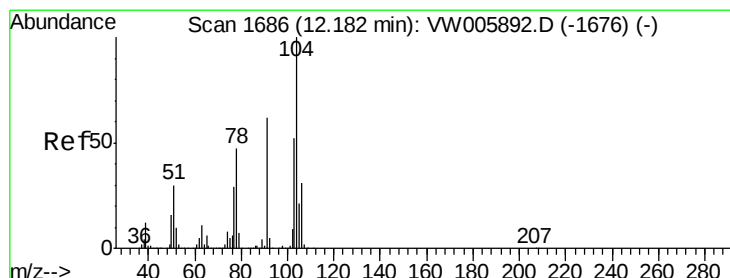
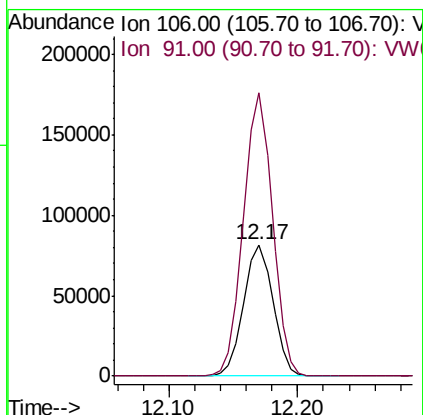
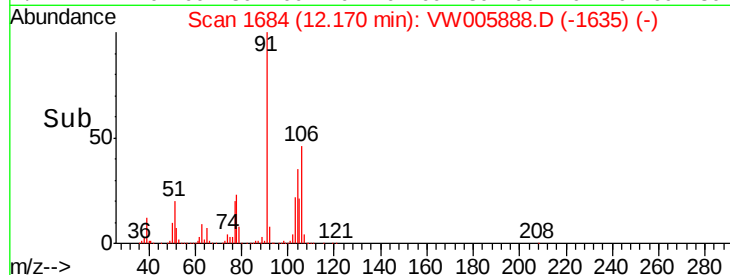
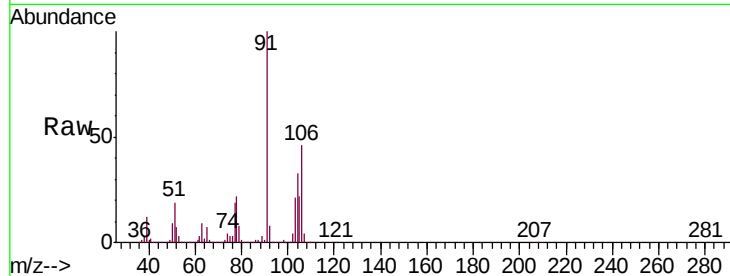




#69
o-Xylene
Concen: 19.347 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

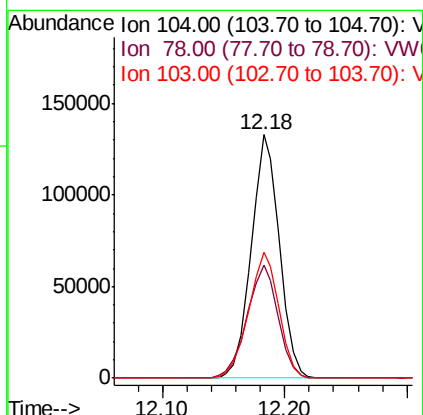
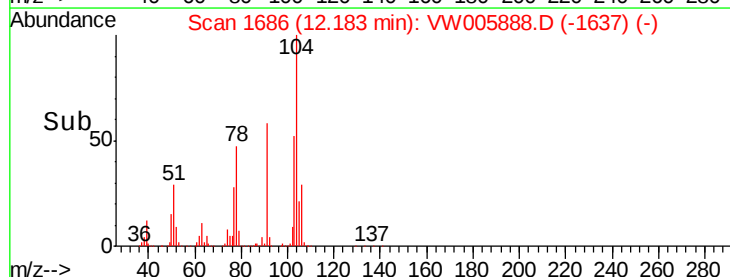
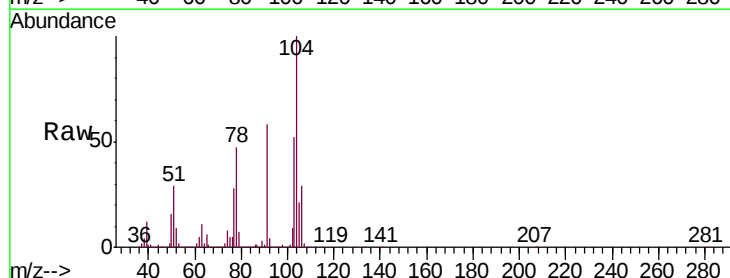
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 129006
Ion Ratio Lower Upper
106 100
91 212.7 106.2 318.5



#70
Styrene
Concen: 19.247 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion:104 Resp: 212937
Ion Ratio Lower Upper
104 100
78 50.8 40.4 60.6
103 55.7 44.2 66.2





#71

Bromoform

Concen: 19.095 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

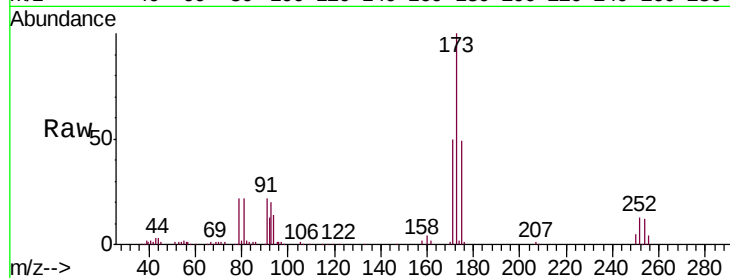
Tgt Ion:173 Resp: 42067

Ion Ratio Lower Upper

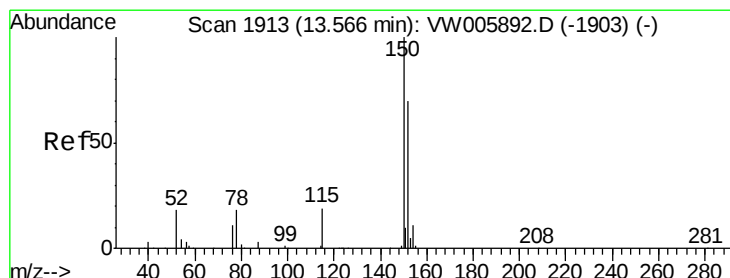
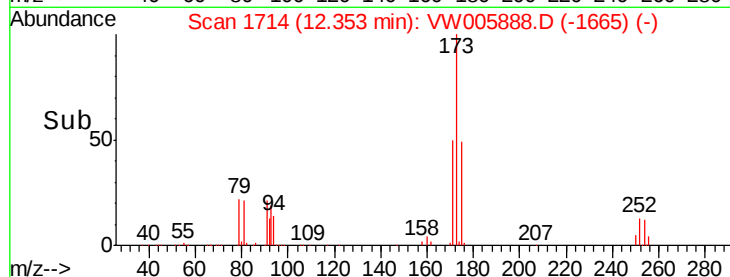
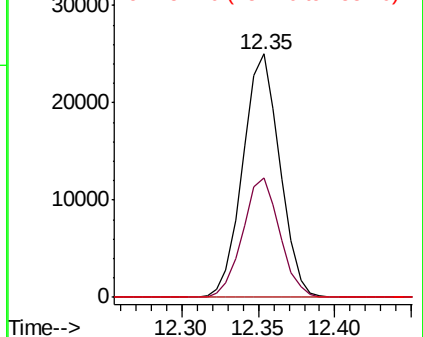
173 100

175 48.9 24.7 74.1

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

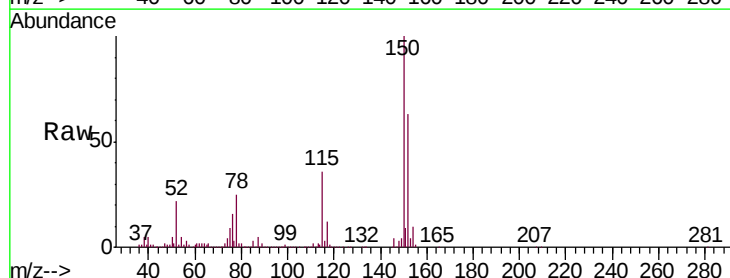
Tgt Ion:152 Resp: 255558

Ion Ratio Lower Upper

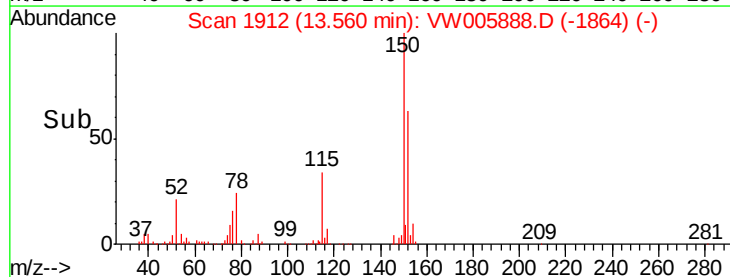
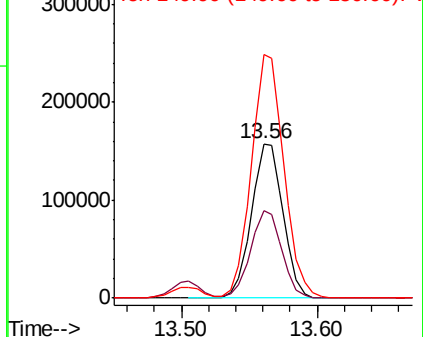
152 100

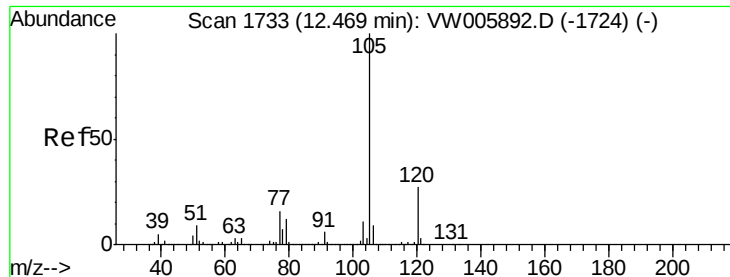
115 56.2 28.3 85.0

150 162.8 0.0 349.2



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





#73

Isopropylbenzene

Concen: 19.374 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

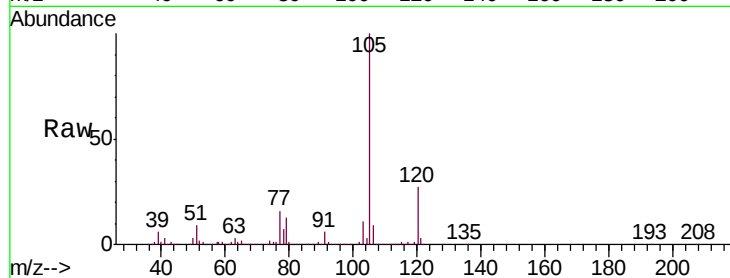
VSTDIC020

Tgt Ion:105 Resp: 361594

Ion Ratio Lower Upper

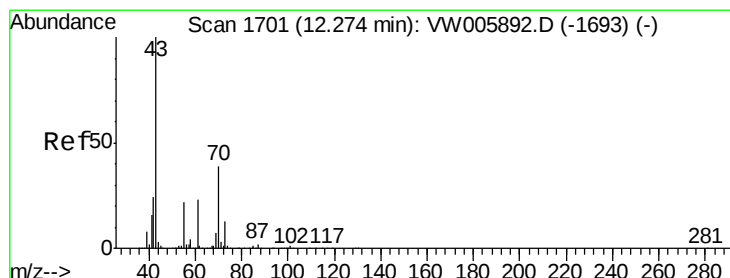
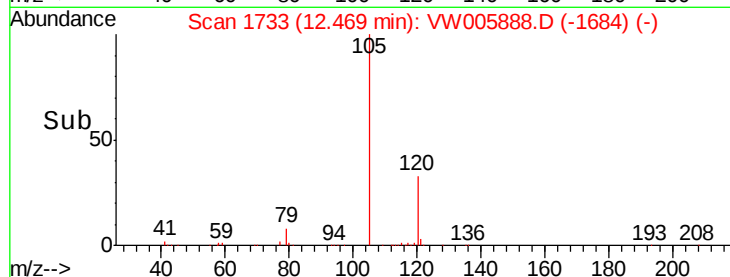
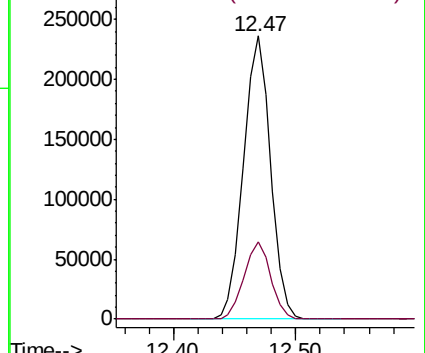
105 100

120 27.0 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.518 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Tgt Ion: 43 Resp: 86513

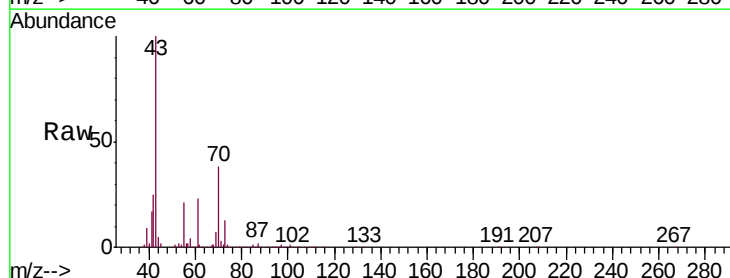
Ion Ratio Lower Upper

43 100

70 39.5 31.6 47.4

55 22.4 17.9 26.9

61 23.6 18.6 28.0

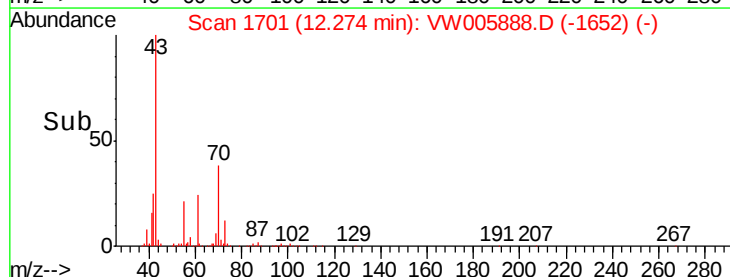
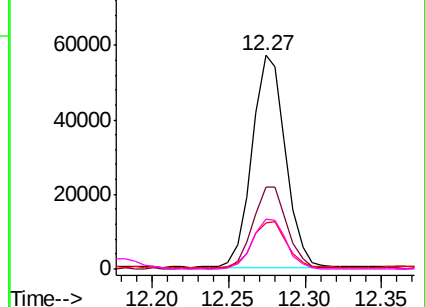


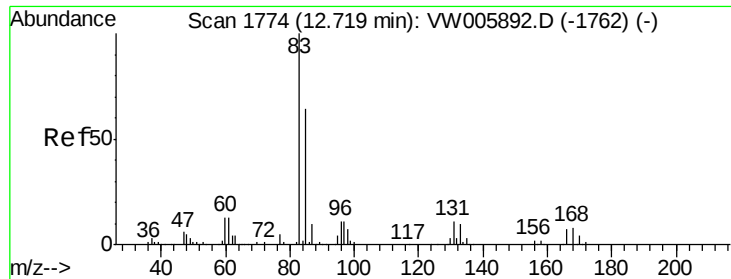
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 19.272 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

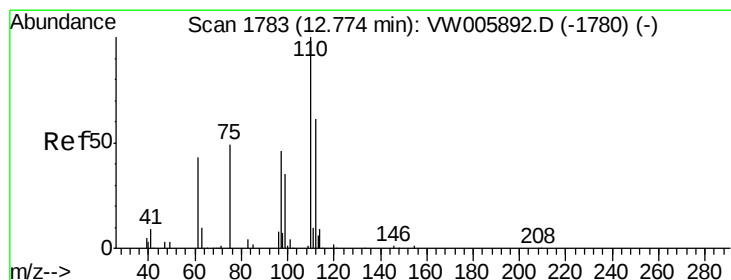
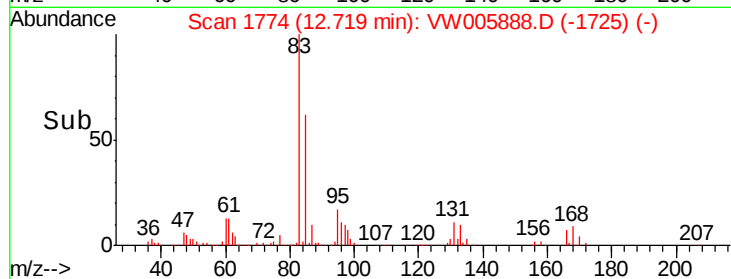
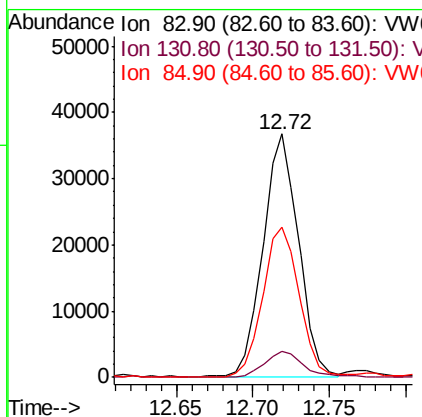
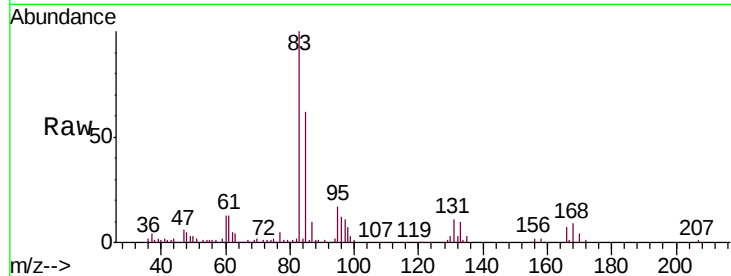
Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	58956
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.8	17.3
85	63.9	32.4	97.0



#76

1,2,3-Trichloropropane

Concen: 20.999 ug/l

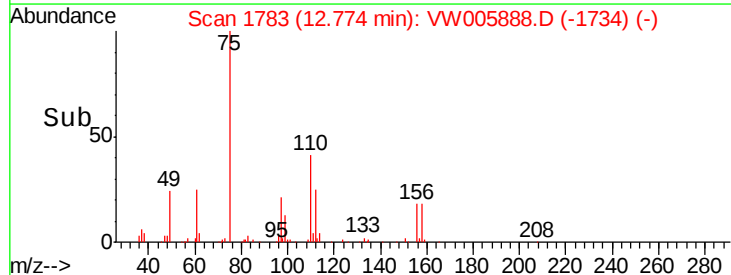
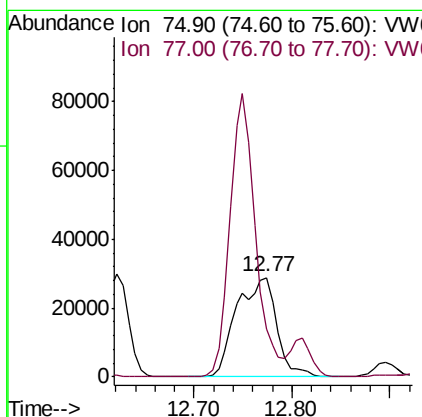
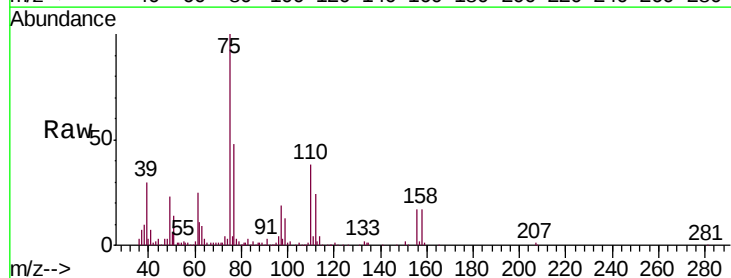
RT: 12.77 min Scan# 1783

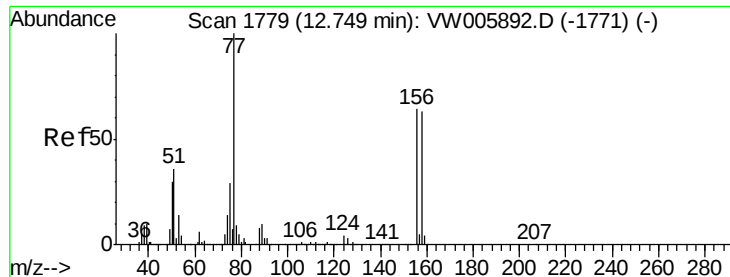
Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Tgt Ion:	75	Resp:	82139
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.357 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

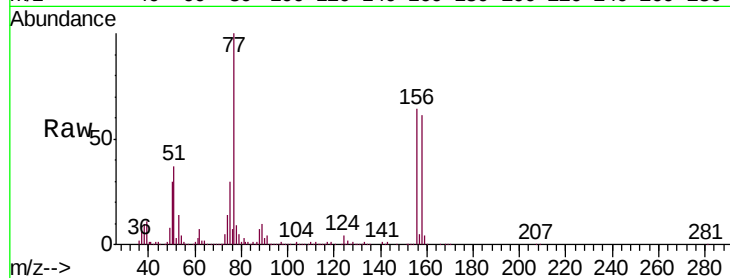
Tgt Ion:156 Resp: 85592

Ion Ratio Lower Upper

156 100

77 174.5 85.8 257.4

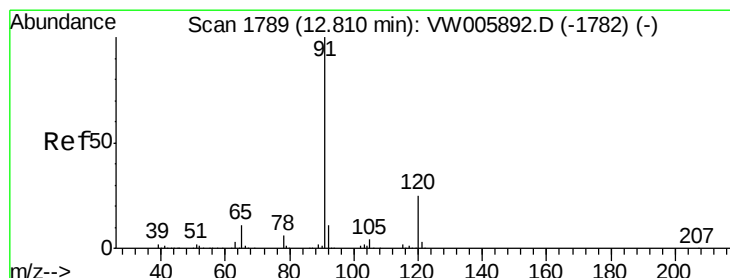
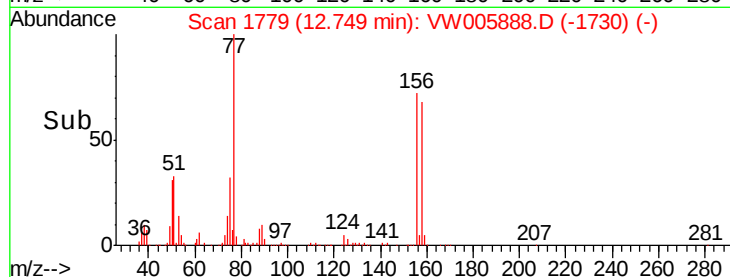
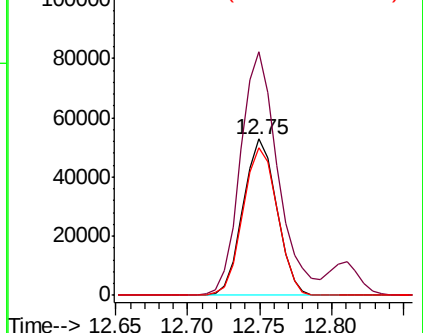
158 96.4 49.1 147.4



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: 19.333 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005888.D

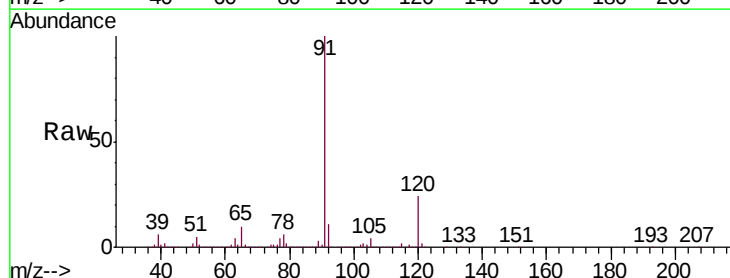
Acq: 08 Oct 2018 11:23

Tgt Ion: 91 Resp: 424464

Ion Ratio Lower Upper

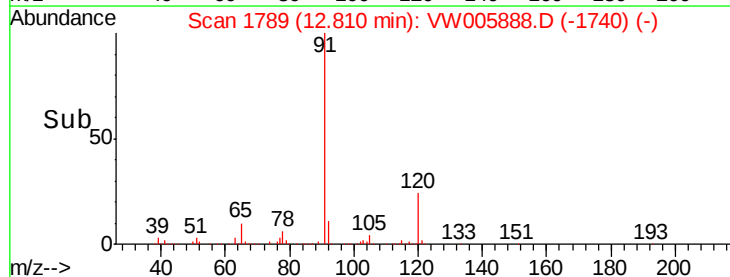
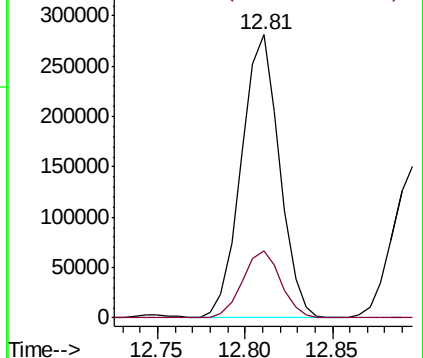
91 100

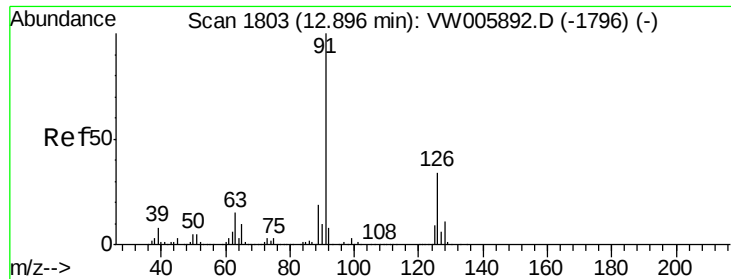
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.402 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

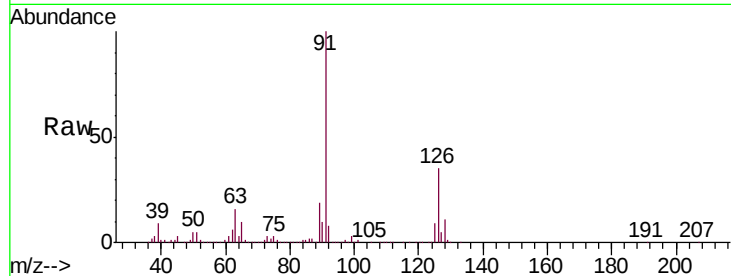
VSTDIC020

Tgt Ion: 91 Resp: 240457

Ion Ratio Lower Upper

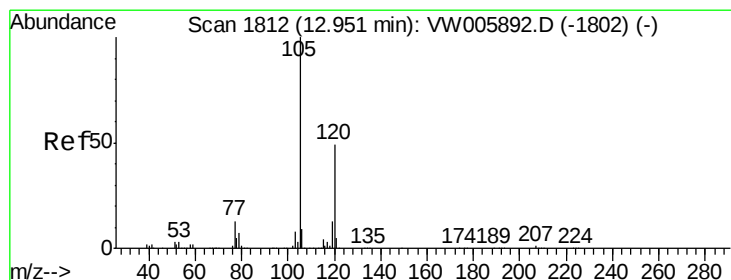
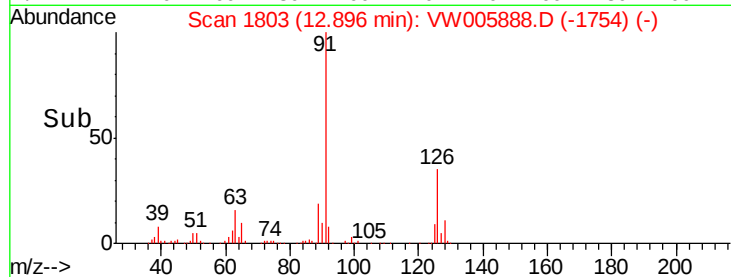
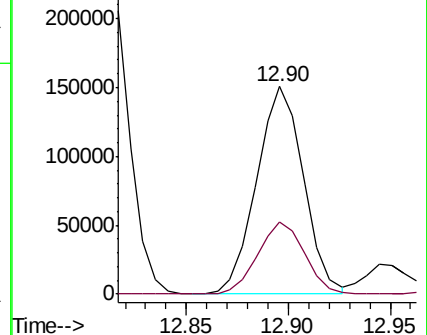
91 100

126 34.9 17.5 52.5



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: 19.501 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005888.D

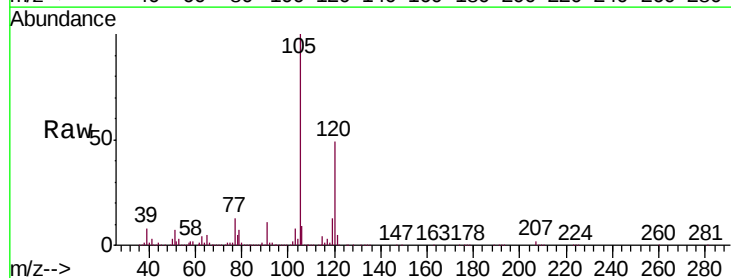
Acq: 08 Oct 2018 11:23

Tgt Ion: 105 Resp: 307280

Ion Ratio Lower Upper

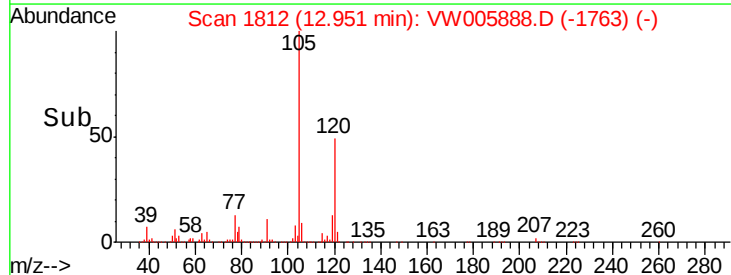
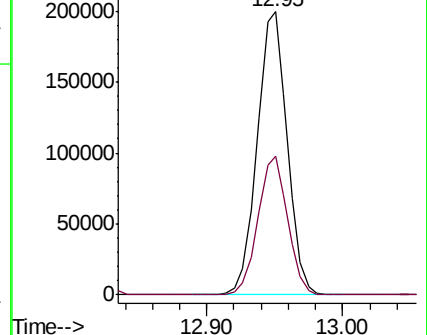
105 100

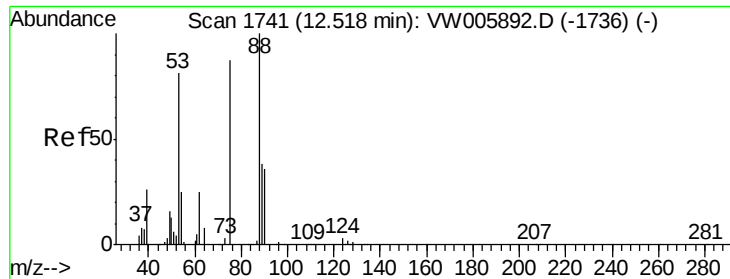
120 48.7 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.733 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

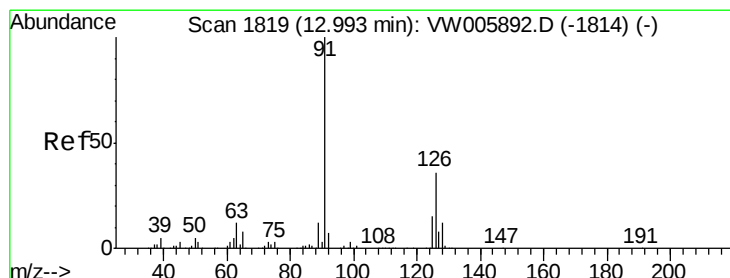
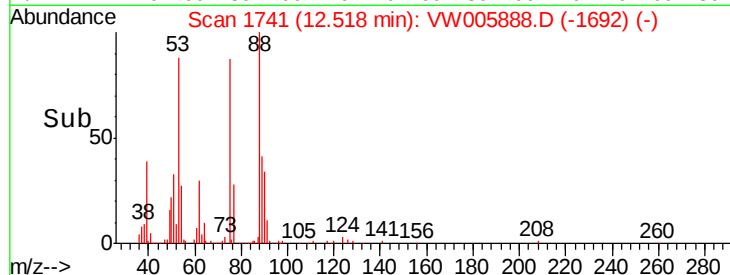
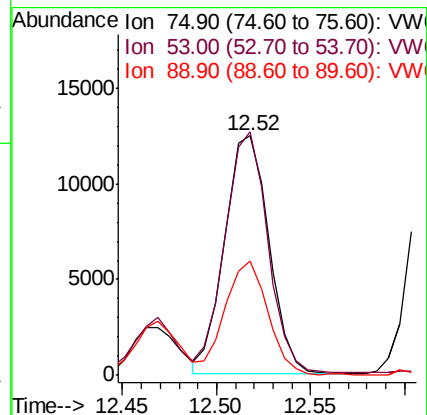
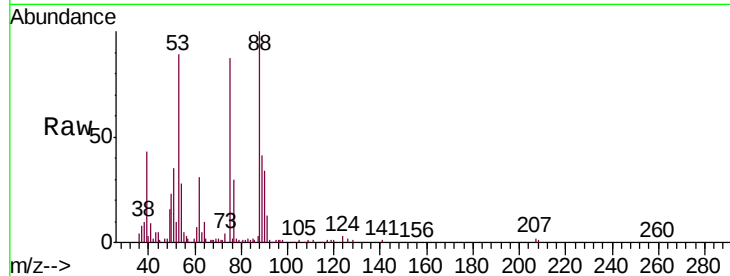
Tgt Ion: 75 Resp: 20257

Ion Ratio Lower Upper

75 100

53 98.2 76.5 114.7

89 47.1 37.6 56.4



#82

4-Chlorotoluene

Concen: 19.349 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005888.D

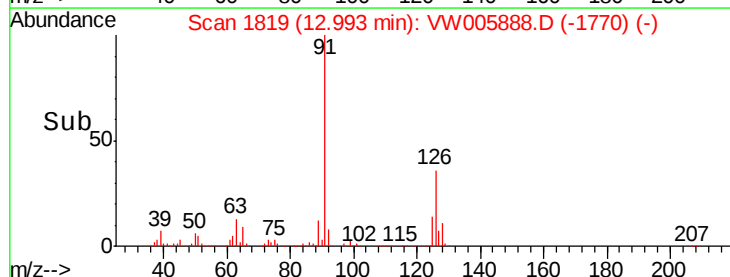
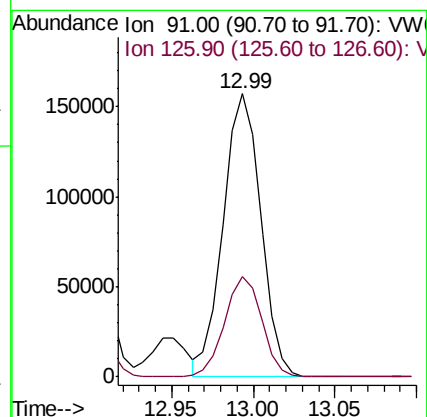
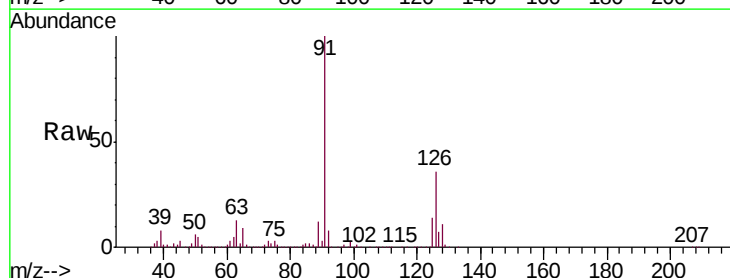
Acq: 08 Oct 2018 11:23

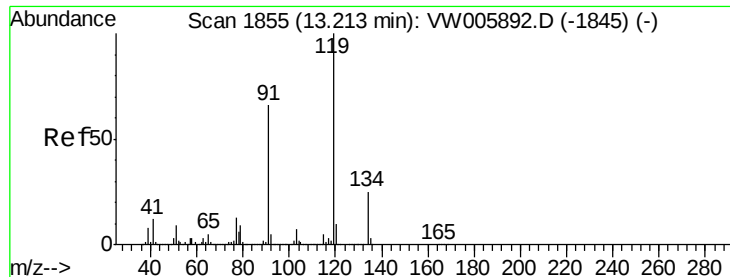
Tgt Ion: 91 Resp: 252303

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2





#83

tert-Butylbenzene

Concen: 19.649 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

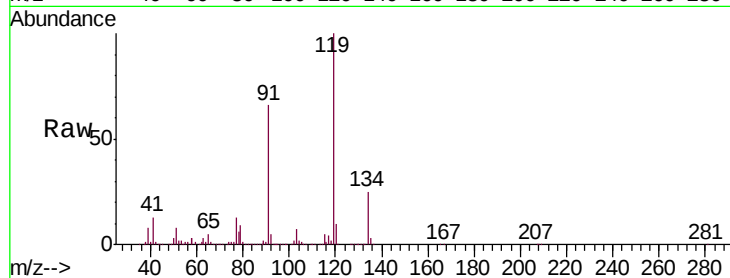
Tgt Ion:119 Resp: 275374

Ion Ratio Lower Upper

119 100

91 64.9 32.4 97.0

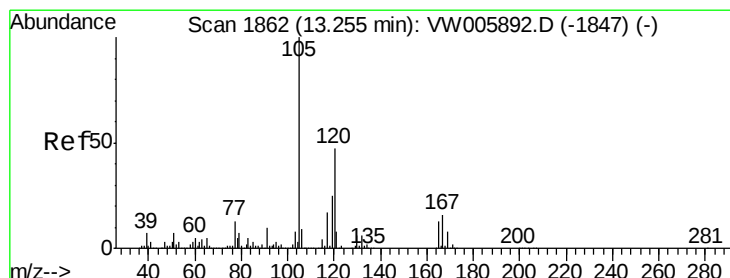
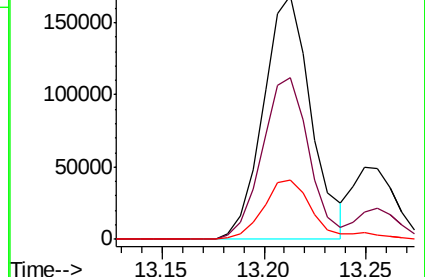
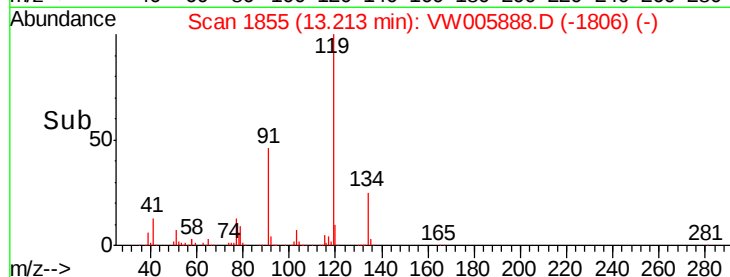
134 26.2 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.380 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW005888.D

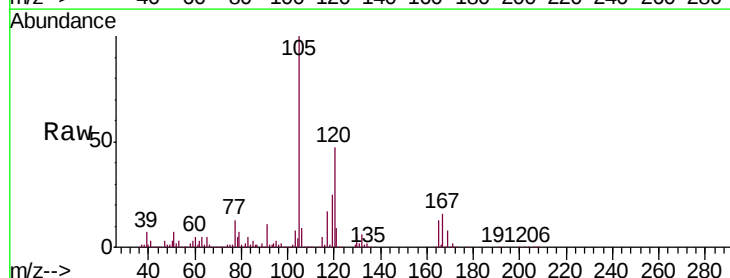
Acq: 08 Oct 2018 11:23

Tgt Ion:105 Resp: 308039

Ion Ratio Lower Upper

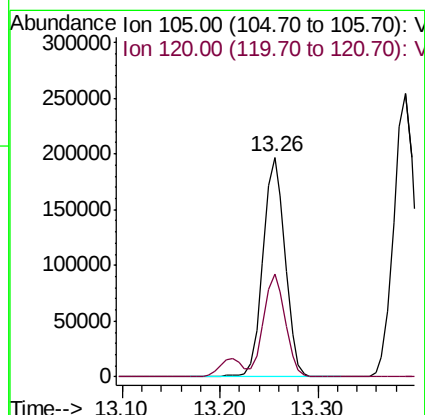
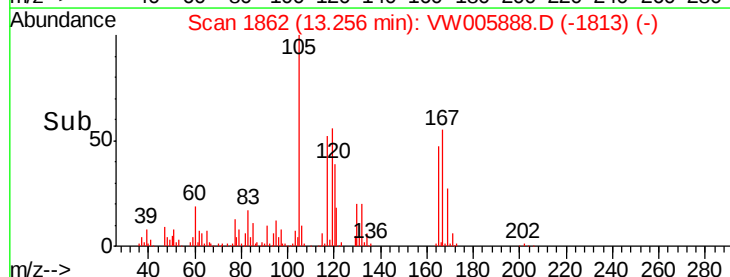
105 100

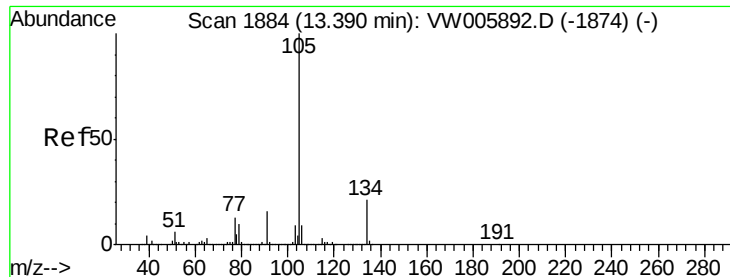
120 45.6 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.604 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

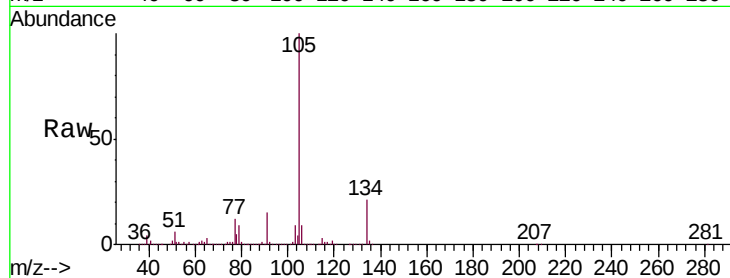
VSTDIC020

Tgt Ion:105 Resp: 385659

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

250000

200000

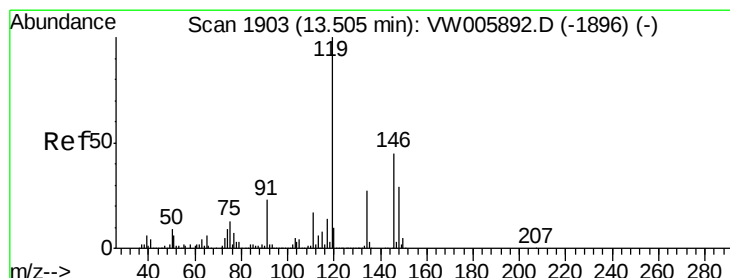
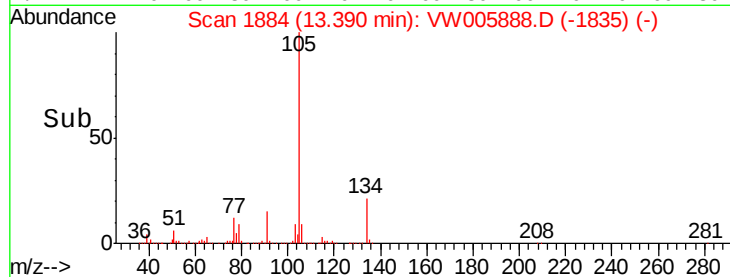
150000

100000

50000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 19.487 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

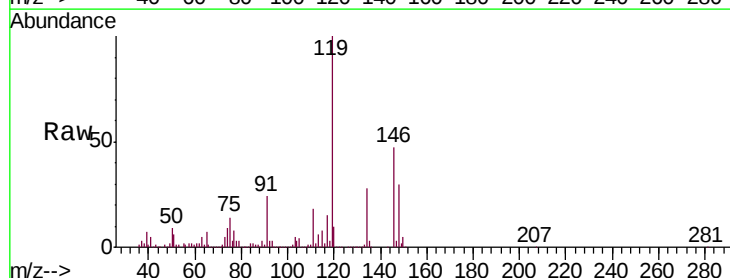
Tgt Ion:119 Resp: 344748

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.5

91 24.2 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

250000

200000

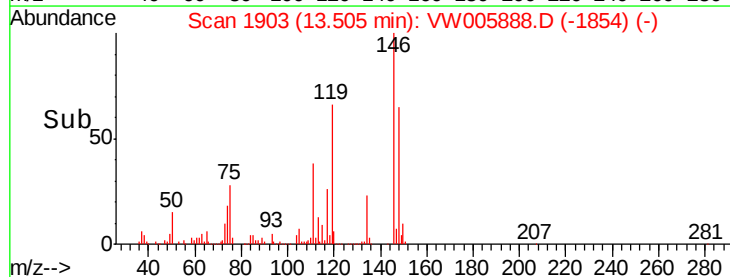
150000

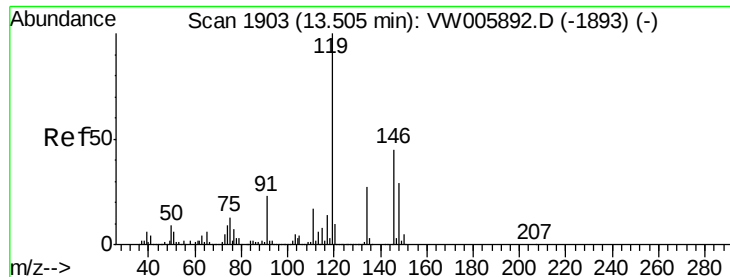
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 19.434 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

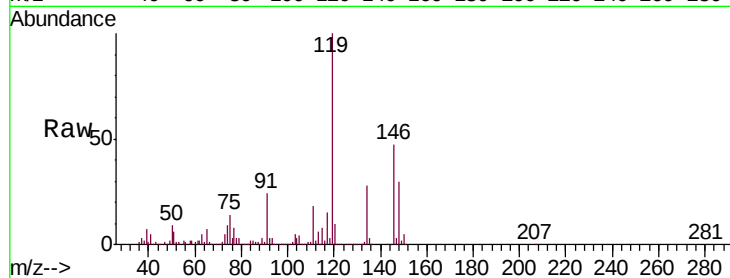
Tgt Ion:146 Resp: 170720

Ion Ratio Lower Upper

146 100

111 39.2 19.5 58.5

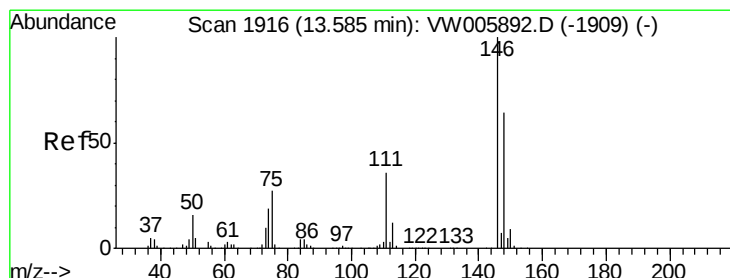
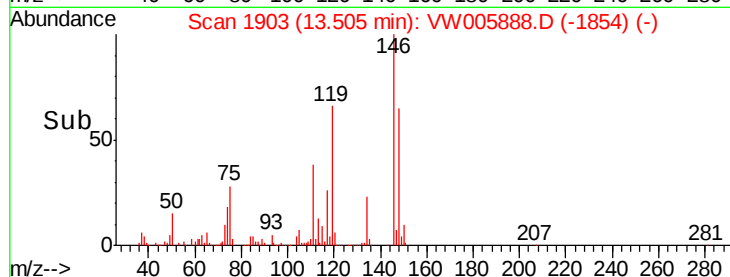
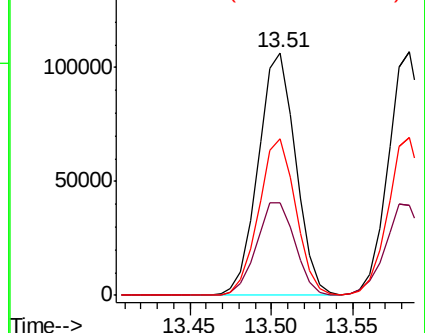
148 63.8 32.1 96.5



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: 19.445 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

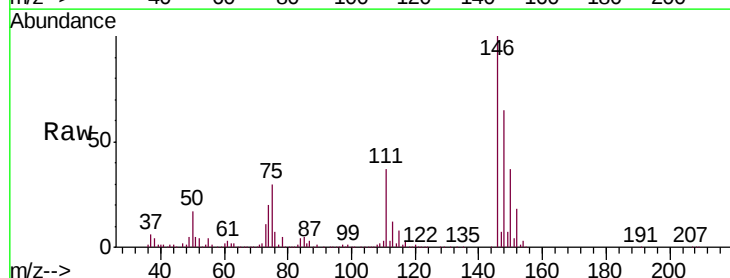
Tgt Ion:146 Resp: 169748

Ion Ratio Lower Upper

146 100

111 39.2 19.0 57.0

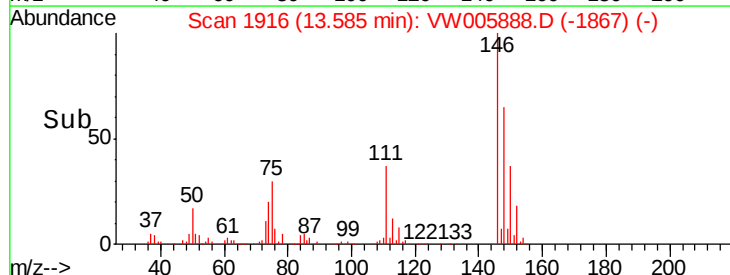
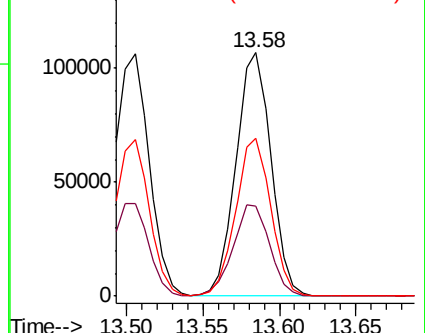
148 65.0 32.0 96.2

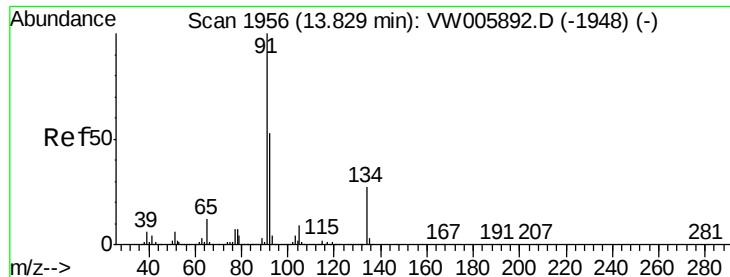


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.611 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW005888.D

Acq: 08 Oct 2018 11:23

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

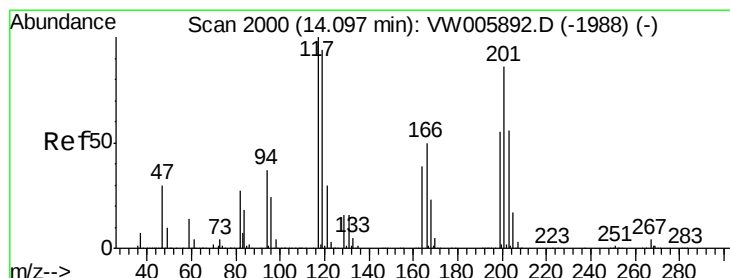
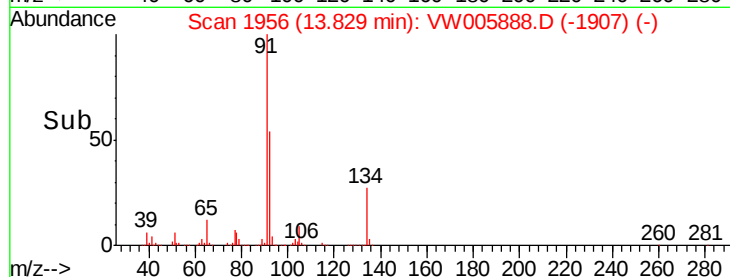
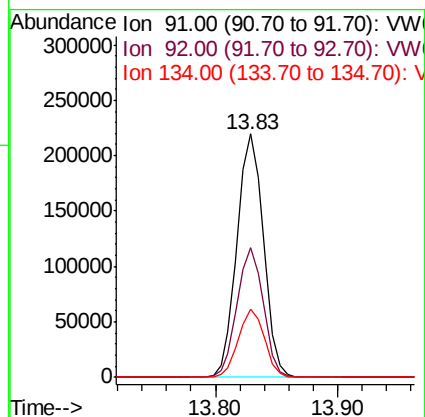
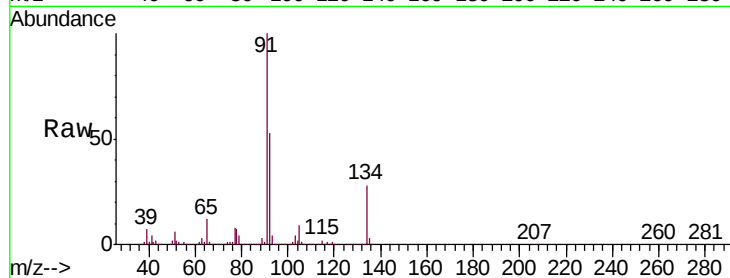
Tgt Ion: 91 Resp: 327034

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.8

134 27.7 13.8 41.4



#90

Hexachloroethane

Concen: 19.474 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW005888.D

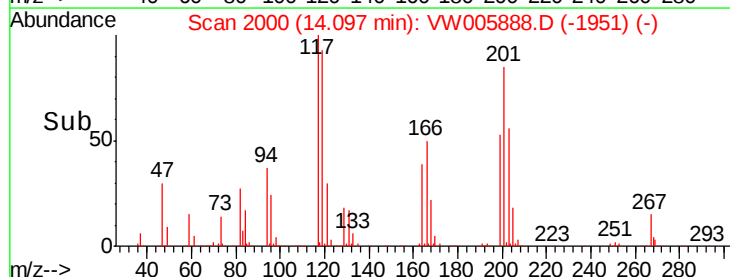
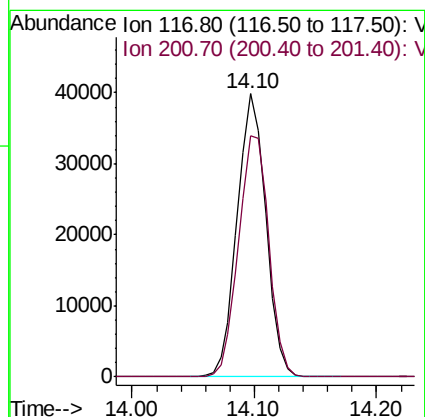
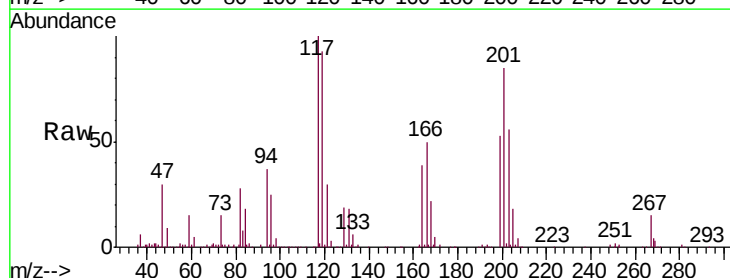
Acq: 08 Oct 2018 11:23

Tgt Ion: 117 Resp: 64794

Ion Ratio Lower Upper

117 100

201 90.0 44.5 133.5

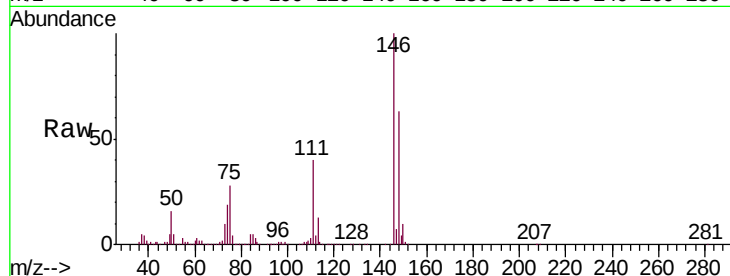




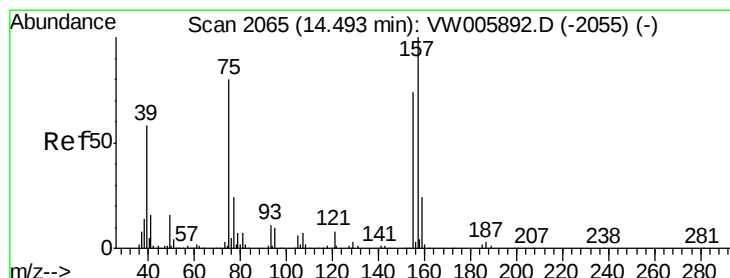
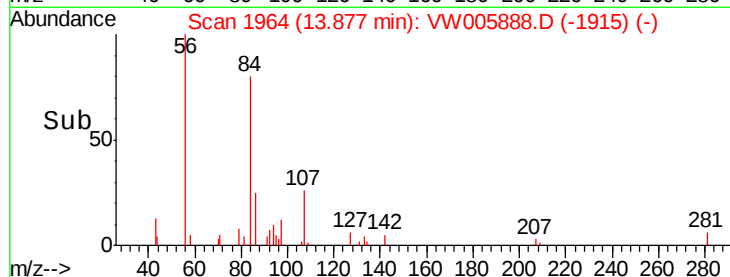
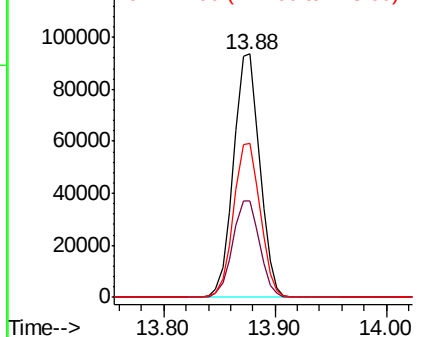
#91
 1,2-Dichlorobenzene
 Concen: 19.598 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 152852
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 64.2 32.5 97.4

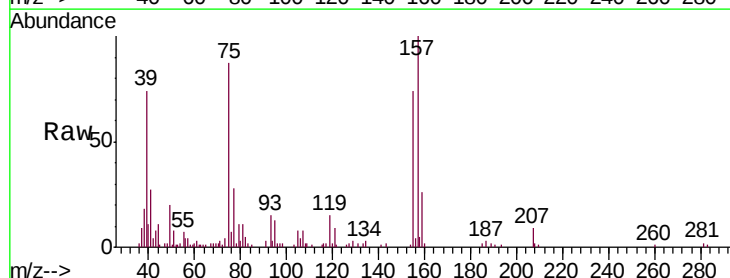


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

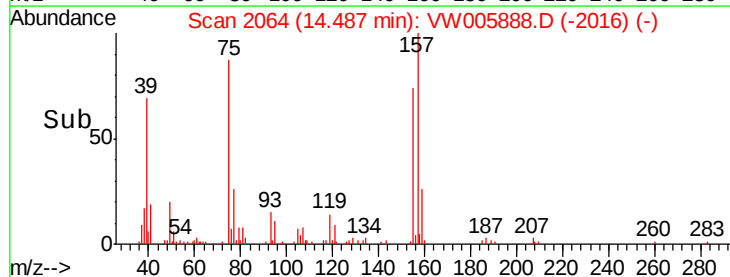
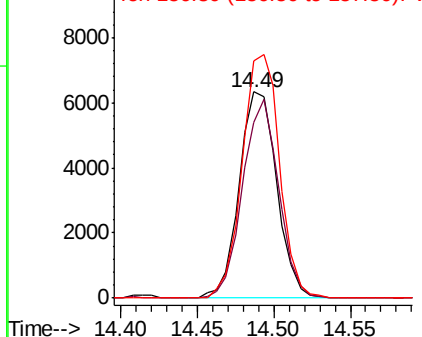


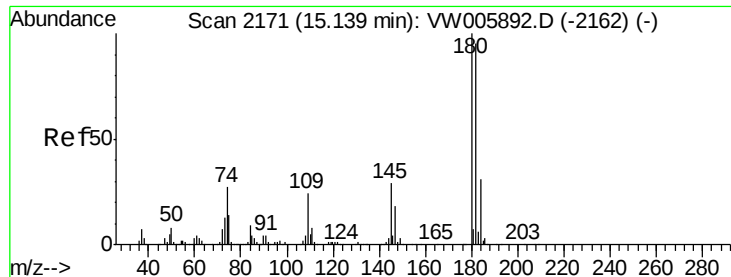
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.962 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion: 75 Resp: 10810
 Ion Ratio Lower Upper
 75 100
 155 92.5 44.8 134.3
 157 117.4 58.9 176.6



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

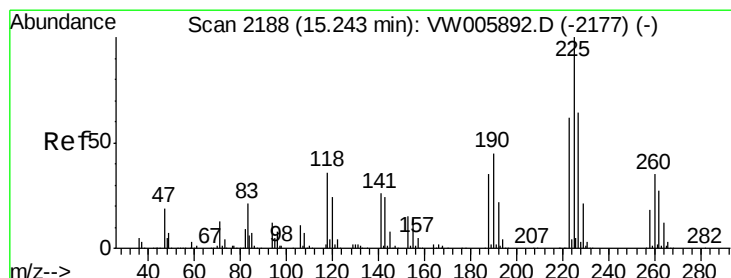
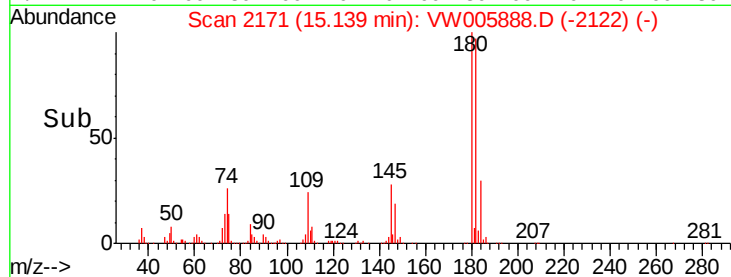
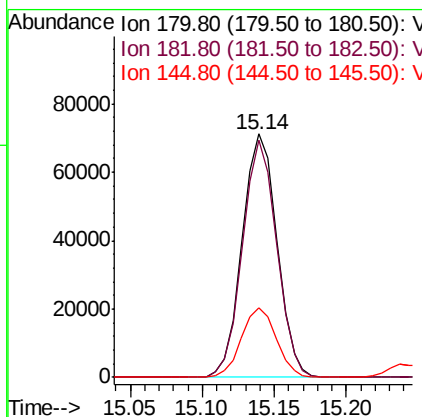
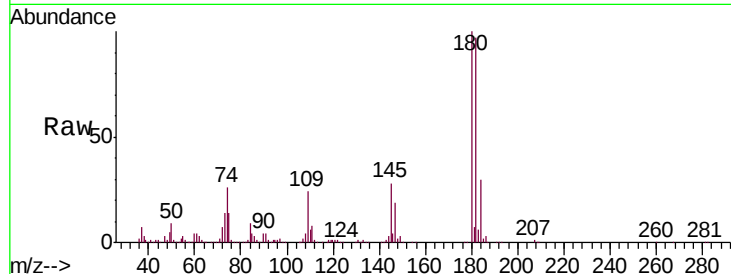




#93
 1,2,4-Trichlorobenzene
 Concen: 19.692 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

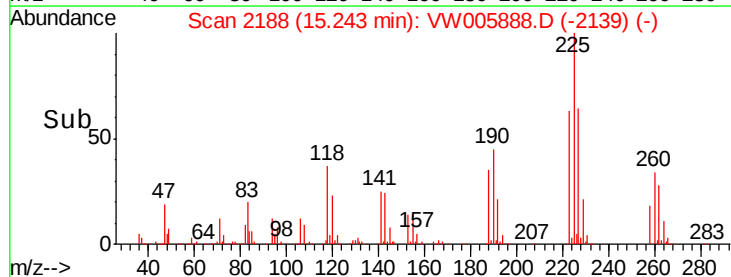
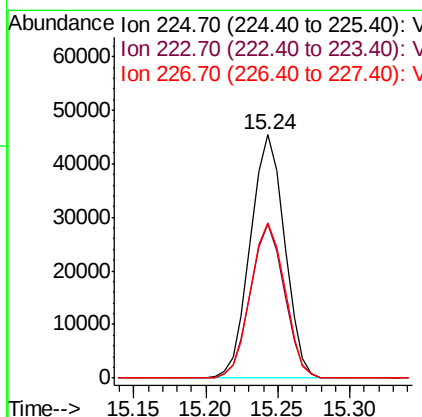
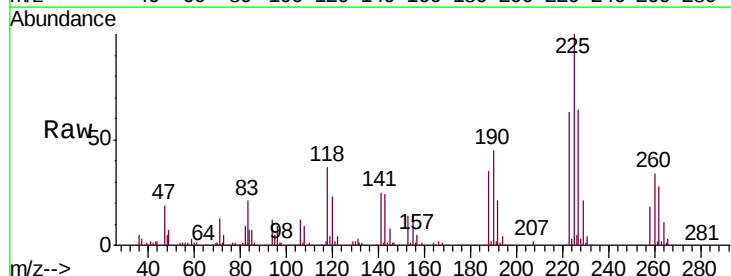
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

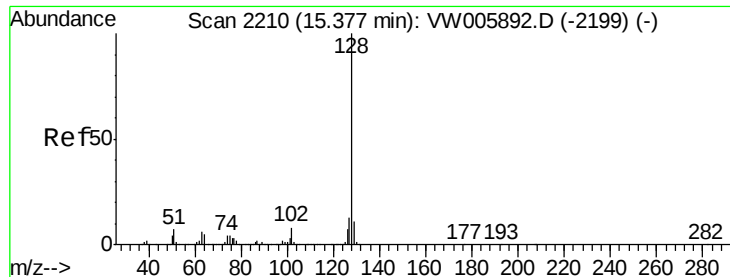
Tgt Ion:180 Resp: 119083
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.8 143.3
 145 28.7 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 19.850 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005888.D
 Acq: 08 Oct 2018 11:23

Tgt Ion:225 Resp: 74926
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.2 93.6
 227 63.8 31.9 95.9

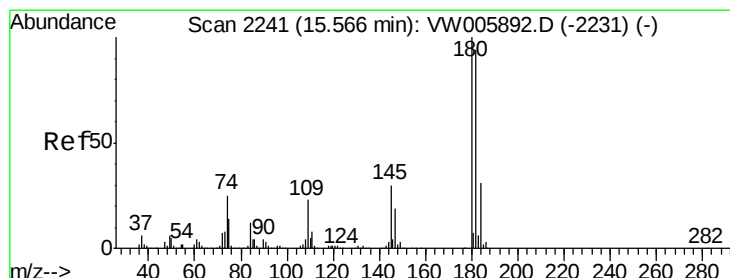
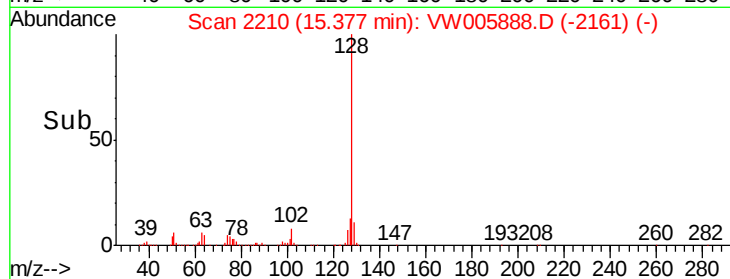
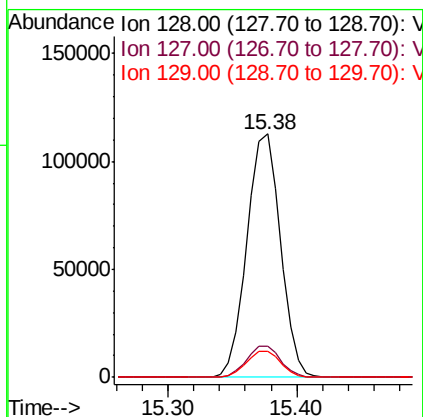
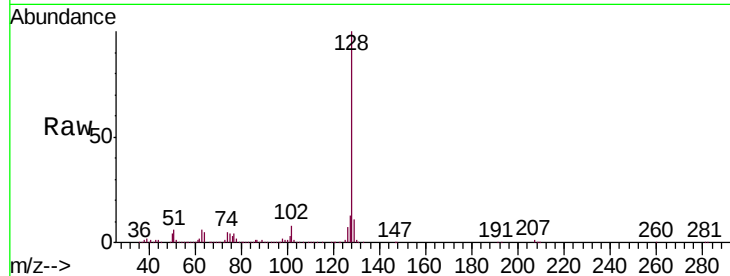




#95
Naphthalene
Concen: 19.454 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 202784
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.761 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW005888.D
Acq: 08 Oct 2018 11:23

Tgt Ion:180 Resp: 103477
Ion Ratio Lower Upper
180 100
182 94.0 47.6 142.8
145 30.8 15.3 45.9

