

Data File : VW002284.D

Acq On : 08 May 2018 02:16

Operator : JC/SY

Sample : VSTDICC150

Misc : 5.00G/5ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: May 08 03:22:55 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

Quant Title : SW846 8260

QLast Update : Tue May 08 03:17:21 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	388214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	370377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	198152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	421147	192.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	385.68%	
35) Dibromofluoromethane	7.88	113	384193	157.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.44%	
50) Toluene-d8	10.33	98	1509031	166.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	332.02%	
62) 4-Bromofluorobenzene	12.63	95	555020	157.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	150752	77.69	ug/l	96
3) Chloromethane	2.21	50	279521	153.16	ug/l	100
4) Vinyl Chloride	2.36	62	502816	245.31	ug/l	100
5) Bromomethane	2.76	94	414340	253.98	ug/l	97
6) Chloroethane	2.91	64	355142	286.86	ug/l	99
7) Trichlorofluoromethane	3.24	101	215249	63.04	ug/l	94
8) Diethyl Ether	3.67	74	214383	219.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	336391	147.20	ug/l	100
10) Methyl Iodide	4.26	142	564894	221.04	ug/l	99
11) Tert butyl alcohol	5.18	59	147727	1087.23	ug/l #	83
12) 1,1-Dichloroethene	4.03	96	344381	174.29	ug/l	99
13) Acrolein	3.89	56	123313	1125.14	ug/l	99
14) Allyl chloride	4.65	41	531496	215.94	ug/l	99
15) Acrylonitrile	5.37	53	448292	1212.86	ug/l	99
16) Acetone	4.12	43	385883	887.71	ug/l	96
17) Carbon Disulfide	4.37	76	1010878	163.03	ug/l	99
18) Methyl Acetate	4.67	43	244791	256.14	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	616770	153.80	ug/l	98
20) Methylene Chloride	4.90	84	351451	143.12	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	372473	168.96	ug/l	99
22) Diisopropyl ether	6.31	45	1183767	240.90	ug/l	99
23) Vinyl Acetate	6.25	43	3707422	1417.07	ug/l	100
24) 1,1-Dichloroethane	6.21	63	679492	189.52	ug/l	98
25) 2-Butanone	7.17	43	620406	1282.32	ug/l	99
26) 2,2-Dichloropropane	7.16	77	325703	97.21	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	421783	180.76	ug/l	99
28) Bromochloromethane	7.51	49	309218	245.59	ug/l #	97
29) Tetrahydrofuran	7.53	42	415013	1475.41	ug/l	98
30) Chloroform	7.67	83	707990	170.74	ug/l	99
31) Cyclohexane	7.95	56	567451	174.68	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	537263	134.99	ug/l	99
36) 1,1-Dichloropropene	8.08	75	534038	148.58	ug/l	99
37) Ethyl Acetate	7.25	43	273263	239.53	ug/l	100
38) Carbon Tetrachloride	8.07	117	530509	122.04	ug/l	99

Data File : VW002284.D

Acq On : 08 May 2018 02:16

Operator : JC/SY

Sample : VSTDICC150

Misc : 5.00G/5ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: May 08 03:22:55 2018

Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

Quant Title : SW846 8260

QLast Update : Tue May 08 03:17:21 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	635562	155.34	ug/l	99
40) Benzene	8.32	78	1556206	156.86	ug/l	99
41) Methacrylonitrile	7.49	41	159448	252.12	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	487315	159.29	ug/l	99
43) Isopropyl Acetate	8.43	43	547022	241.64	ug/l	98
44) Trichloroethene	9.09	130	423399	135.16	ug/l	99
45) 1,2-Dichloropropane	9.37	63	391874	173.35	ug/l	96
46) Dibromomethane	9.46	93	224116	174.07	ug/l	98
47) Bromodichloromethane	9.65	83	539591	156.53	ug/l	98
48) Methyl methacrylate	9.44	41	268488	244.92	ug/l	98
49) 1,4-Dioxane	9.45	88	73269	3707.65	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	1493030	1311.31	ug/l	99
52) Toluene	10.39	92	1023876	156.46	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	555981	178.58	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	612140	171.48	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	311666	164.95	ug/l	100
56) Ethyl methacrylate	10.65	69	433034	221.52	ug/l	99
57) 1,3-Dichloropropane	10.94	76	531744	179.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1039868	1221.88	ug/l	100
59) 2-Hexanone	10.98	43	1047727	1283.59	ug/l	100
60) Dibromochloromethane	11.13	129	393979	154.99	ug/l	99
61) 1,2-Dibromoethane	11.24	107	311706	177.92	ug/l	98
64) Tetrachloroethene	10.87	164	431944	136.89	ug/l	98
65) Chlorobenzene	11.66	112	1142410	145.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	425323	142.62	ug/l	100
67) Ethyl Benzene	11.74	91	2041216	158.91	ug/l	100
68) m/p-Xylenes	11.85	106	1572694	304.19	ug/l	100
69) o-Xylene	12.18	106	764653	164.30	ug/l	99
70) Styrene	12.19	104	1309332	168.96	ug/l	99
71) Bromoform	12.36	173	260284	158.56	ug/l #	100
73) Isopropylbenzene	12.48	105	2090401	170.55	ug/l	99
74) N-amyl acetate	12.28	43	570077	287.05	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	385753	206.67	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	518032	386.23	ug/l #	1
77) Bromobenzene	12.76	156	498788	155.56	ug/l	97
78) n-propylbenzene	12.82	91	2433435	169.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	1387587	164.92	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1719495	160.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	117859	236.14	ug/l	99
82) 4-Chlorotoluene	13.00	91	1483746	156.31	ug/l	99
83) tert-Butylbenzene	13.22	119	1497226	159.42	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1793399	163.08	ug/l	100
85) sec-Butylbenzene	13.40	105	2098785	161.17	ug/l	99
86) p-Isopropyltoluene	13.51	119	1909235	159.43	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	985823	150.06	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	951926	145.22	ug/l	100
89) n-Butylbenzene	13.83	91	1738156	162.11	ug/l	99
90) Hexachloroethane	14.10	117	339340	146.02	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	883317	153.90	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	67964	194.37	ug/l	98

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW050818\
Quantitation Report (Not Reviewed)

Data File : VW002284.D
Acq On : 08 May 2018 02:16
Operator : JC/SY
Sample : VSTDICC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: May 08 03:22:55 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
Quant Title : SW846 8260
QLast Update : Tue May 08 03:17:21 2018
Response via : Initial Calibration

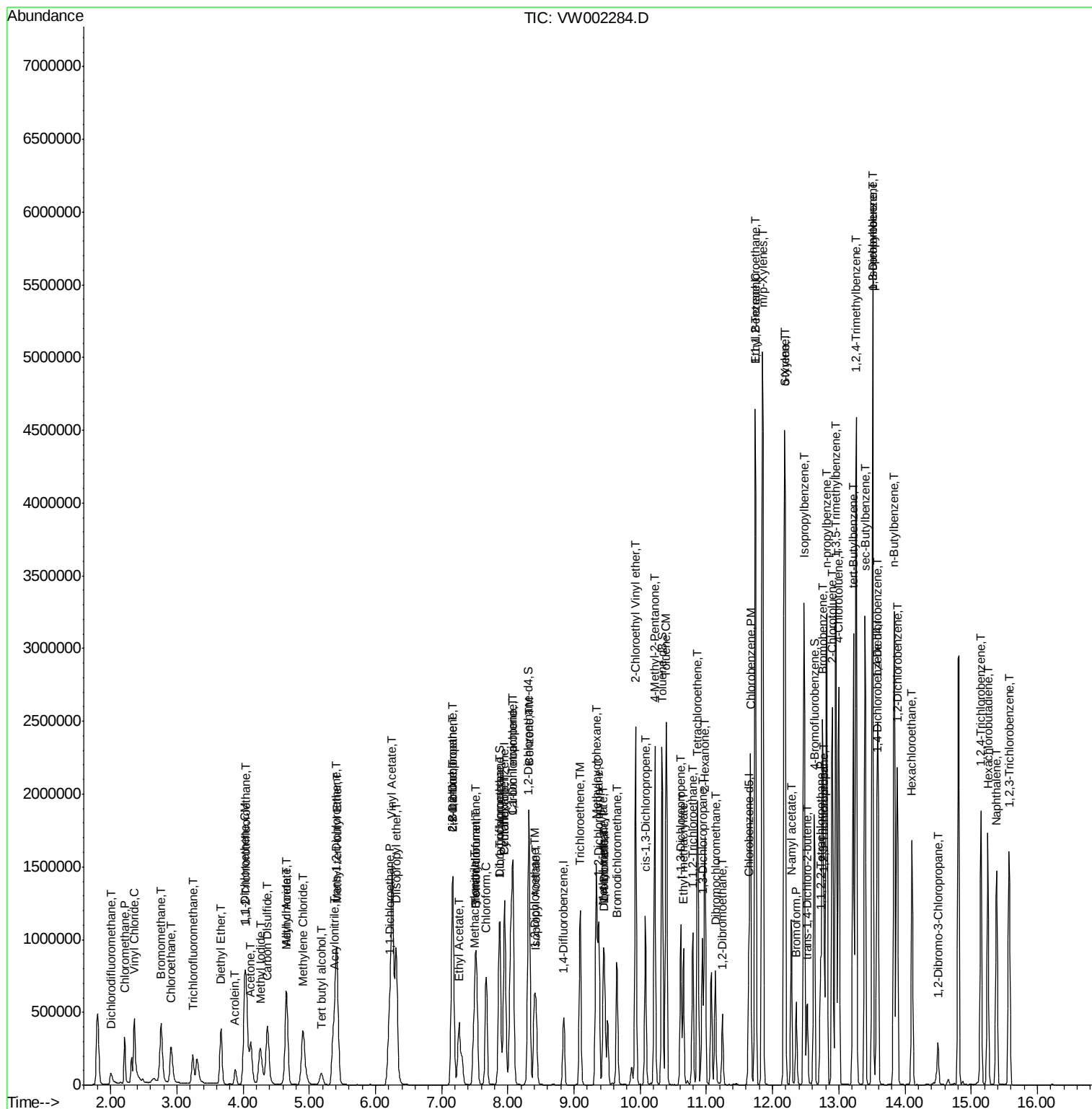
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	611379	145.72	ug/l	99
94) Hexachlorobutadiene	15.26	225	328400	112.32	ug/l	99
95) Naphthalene	15.38	128	1224018	195.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	547723	152.73	ug/l	100

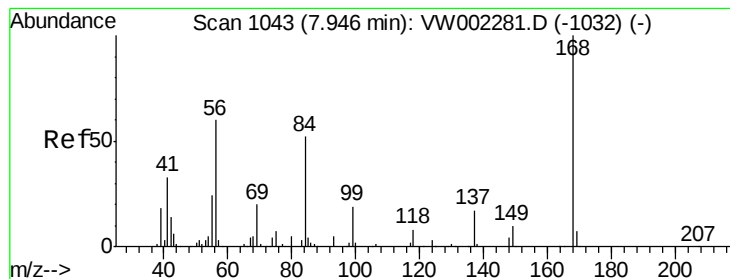
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
ALS Vial      : 1      Sample Multiplier: 1
```

VSTDICC150

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

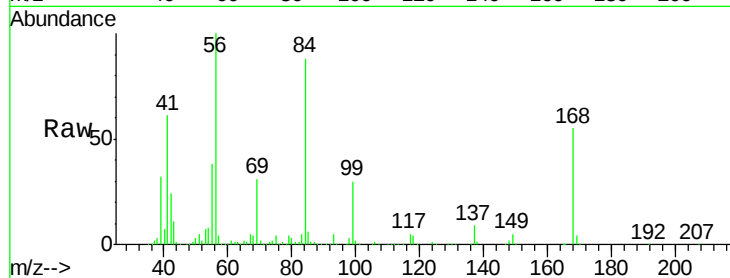
VSTDIC150

Tgt Ion:168 Resp: 251927

Ion Ratio Lower Upper

168 100

99 55.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

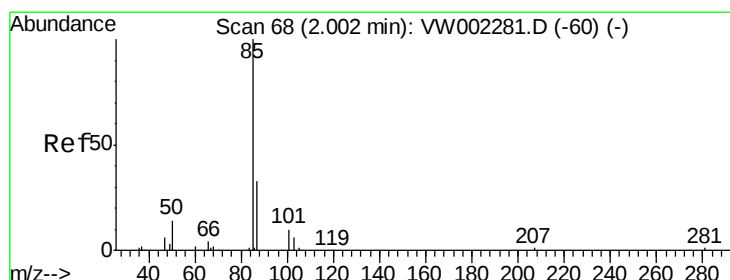
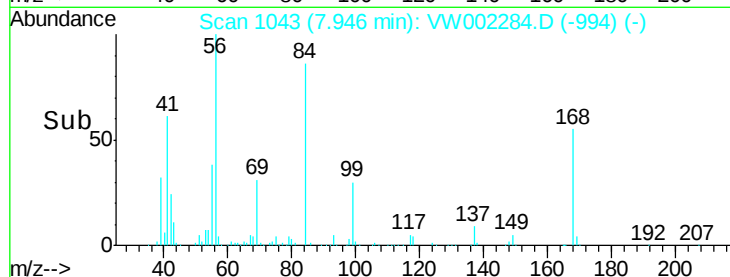
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 77.69 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002284.D

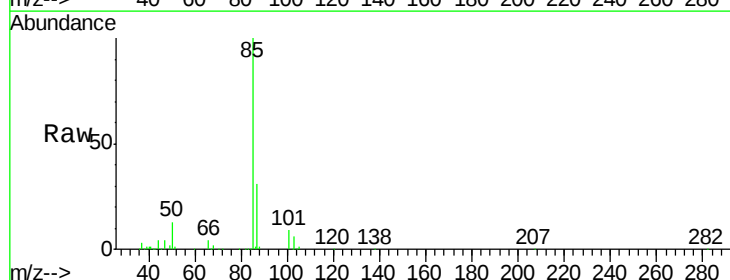
Acq: 08 May 2018 02:16

Tgt Ion: 85 Resp: 150752

Ion Ratio Lower Upper

85 100

87 30.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

30000

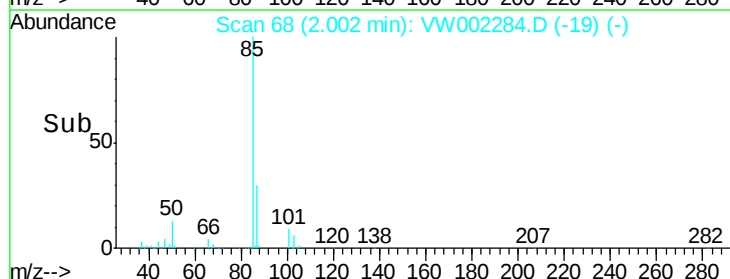
20000

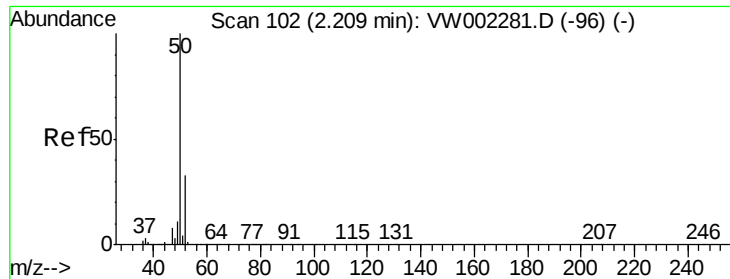
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 153.16 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

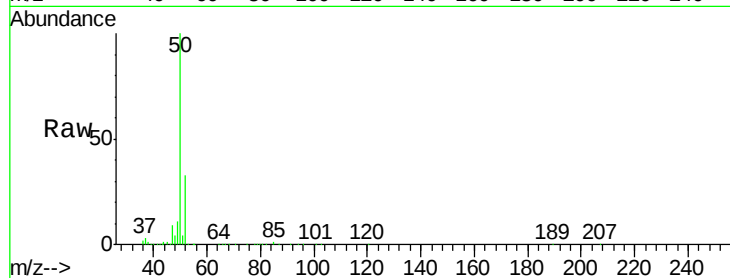
VSTDIC150

Tgt Ion: 50 Resp: 279521

Ion Ratio Lower Upper

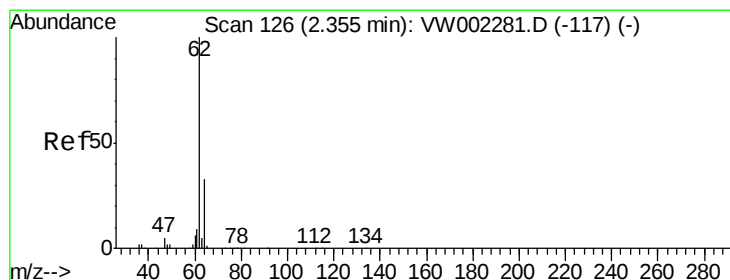
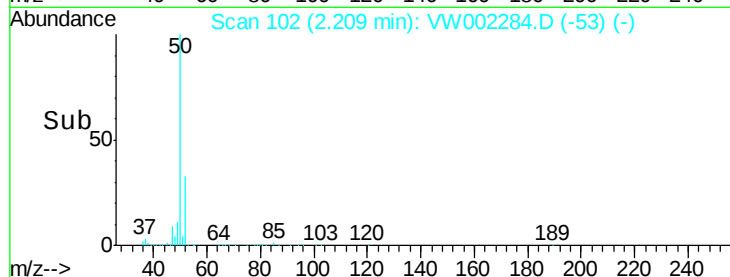
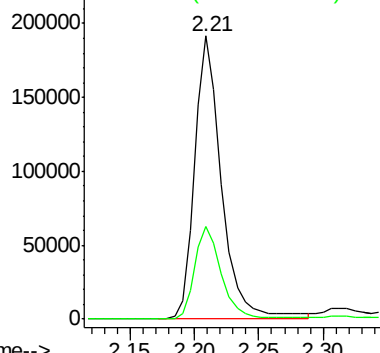
50 100

52 33.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 245.31 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002284.D

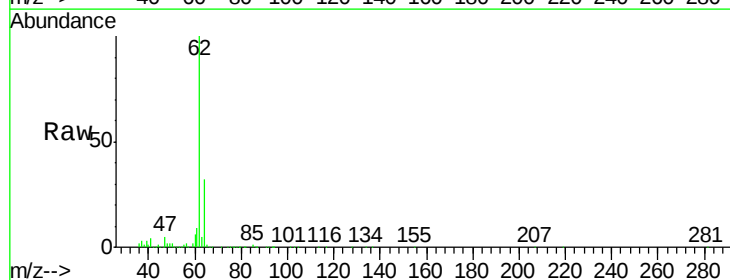
Acq: 08 May 2018 02:16

Tgt Ion: 62 Resp: 502816

Ion Ratio Lower Upper

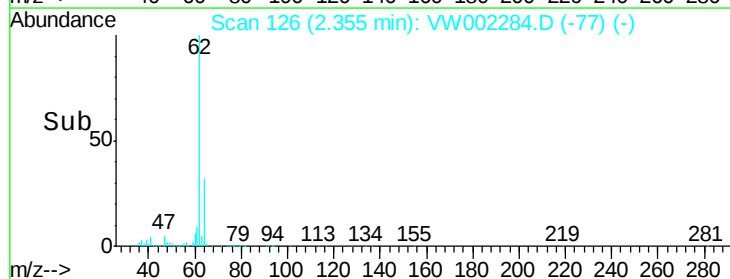
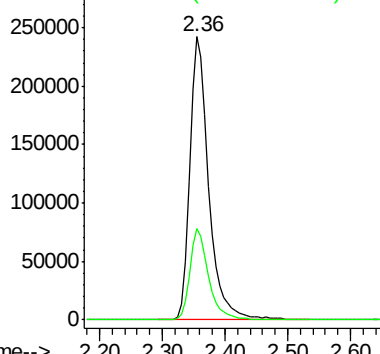
62 100

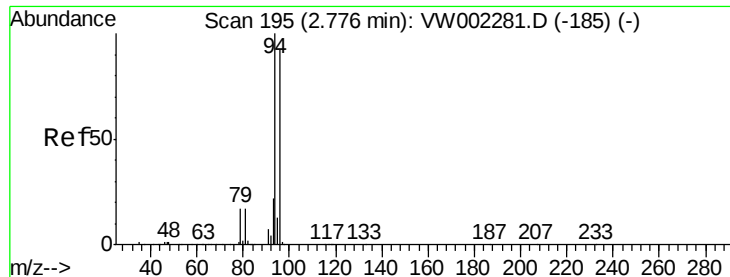
64 32.4 26.1 39.1



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 253.98 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

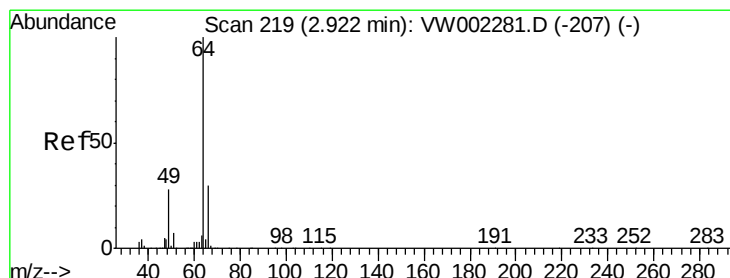
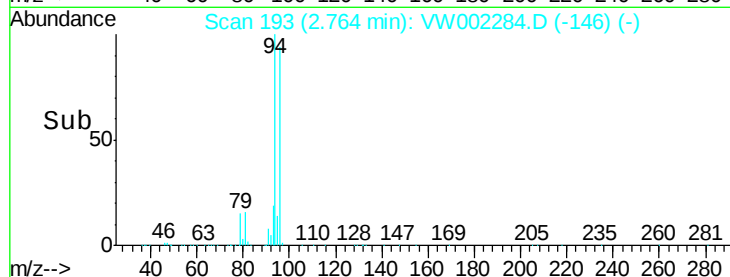
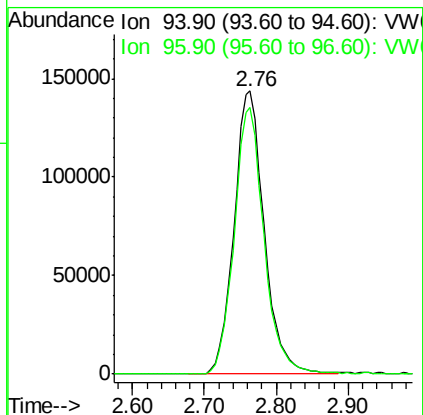
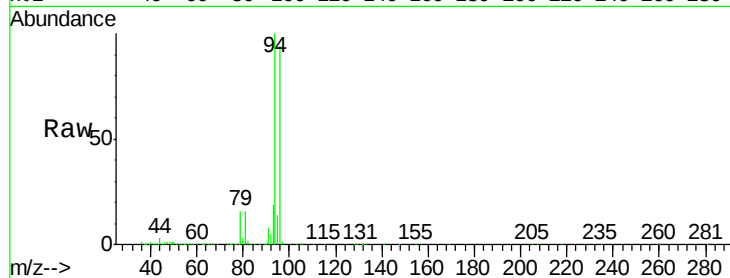
VSTDIC150

Tgt Ion: 94 Resp: 414340

Ion Ratio Lower Upper

94 100

96 94.4 73.6 110.4



#6

Chloroethane

Concen: 286.86 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW002284.D

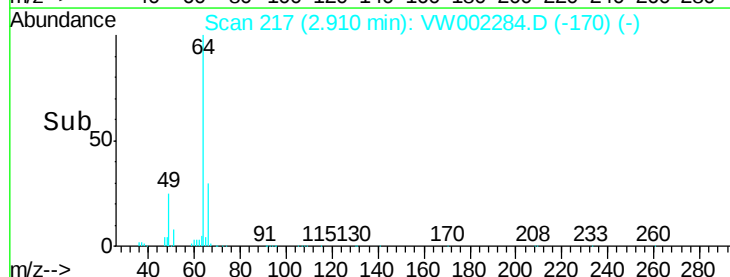
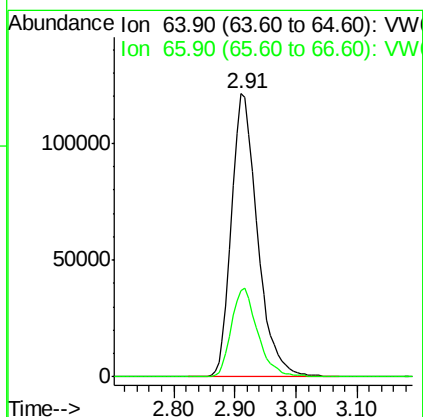
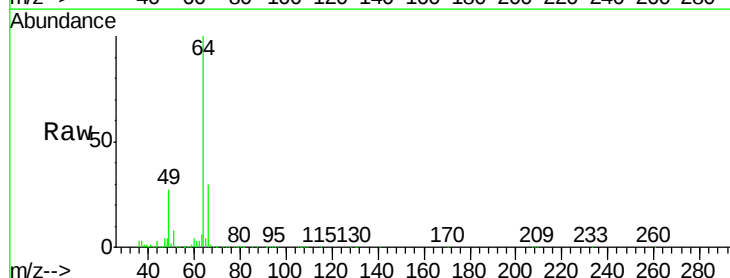
Acq: 08 May 2018 02:16

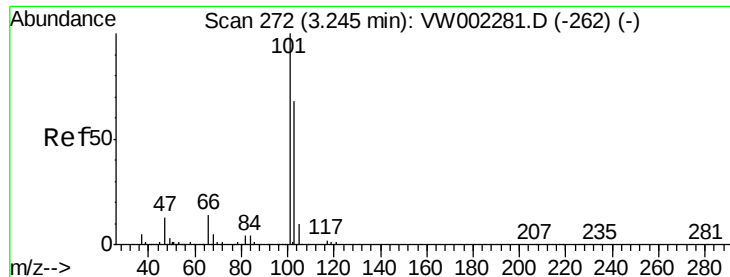
Tgt Ion: 64 Resp: 355142

Ion Ratio Lower Upper

64 100

66 30.3 23.8 35.6



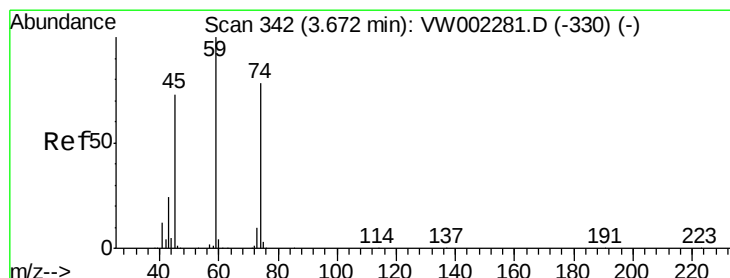
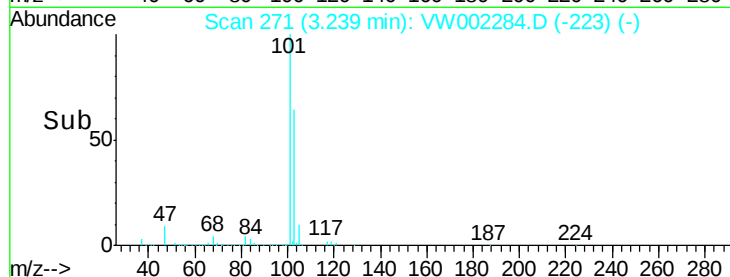
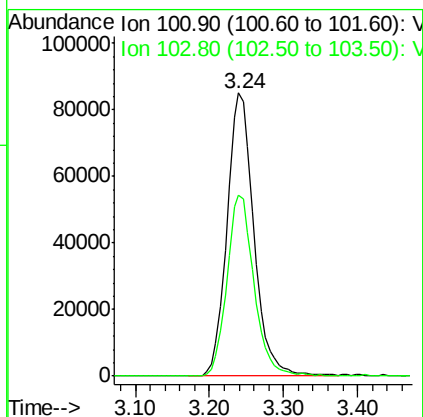
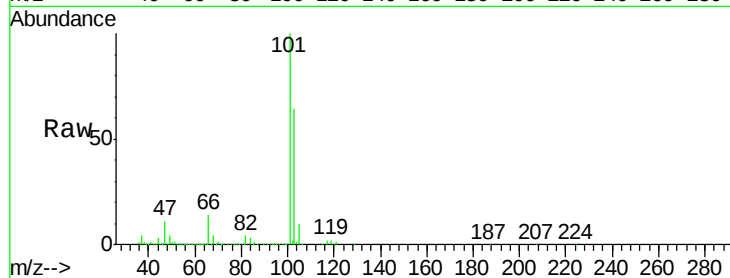


#7

Trichlorofluoromethane
 Concen: 63.04 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

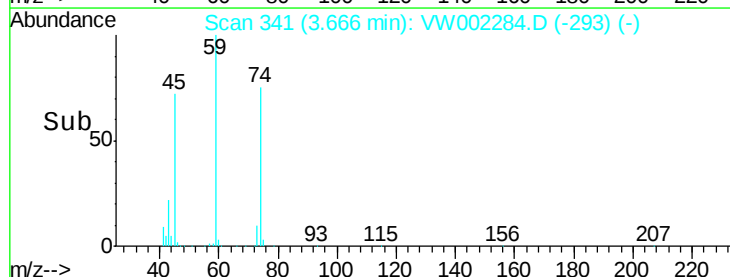
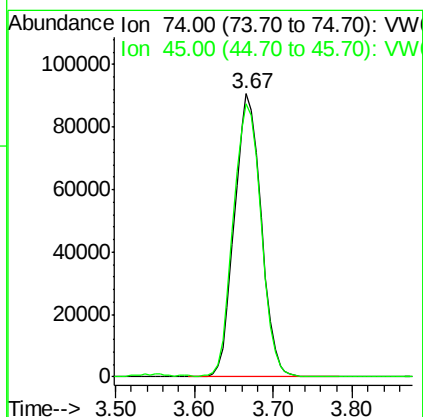
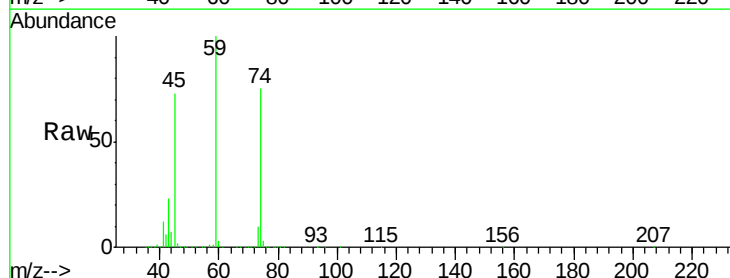
Tgt Ion: 101 Resp: 215249
 Ion Ratio Lower Upper
 101 100
 103 63.7 54.6 82.0

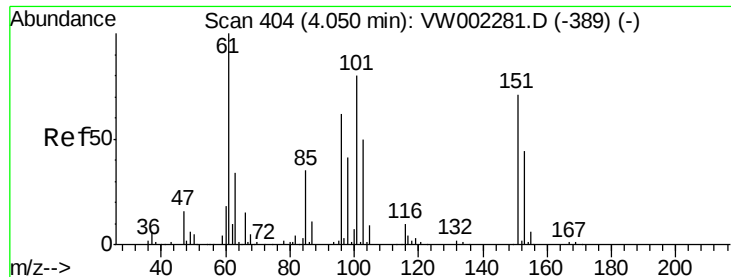


#8

Diethyl Ether
 Concen: 219.34 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 74 Resp: 214383
 Ion Ratio Lower Upper
 74 100
 45 100.2 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.20 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

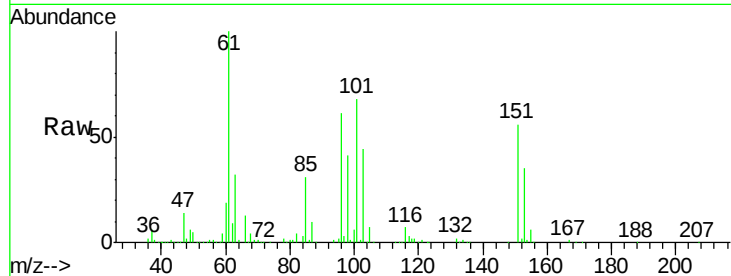
Tgt Ion:101 Resp: 336391

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

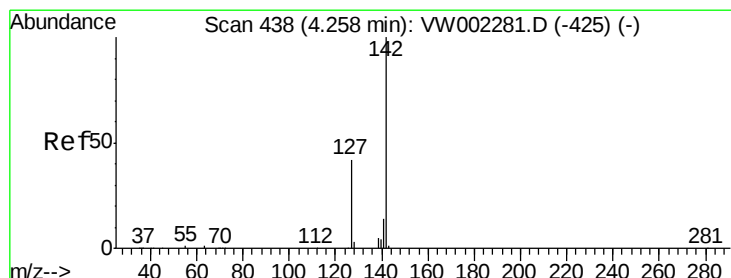
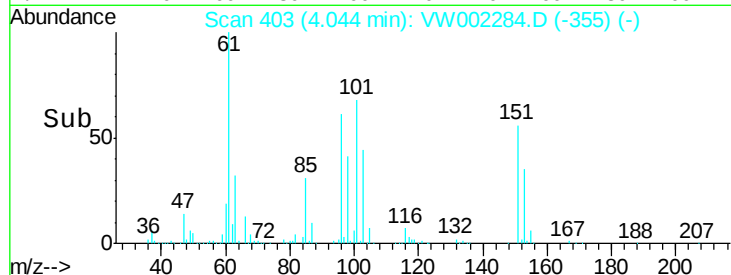
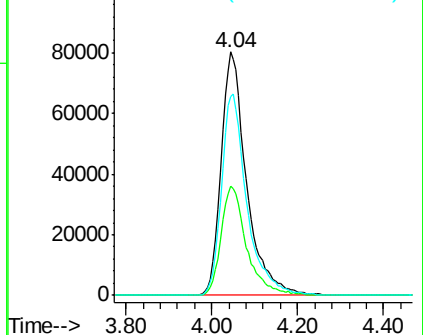
151 82.3 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 221.04 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

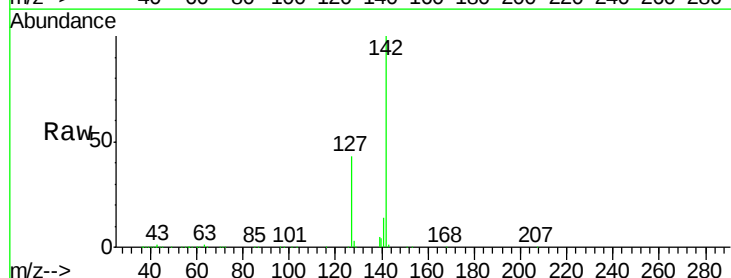
Tgt Ion:142 Resp: 564894

Ion Ratio Lower Upper

142 100

127 43.6 34.7 52.1

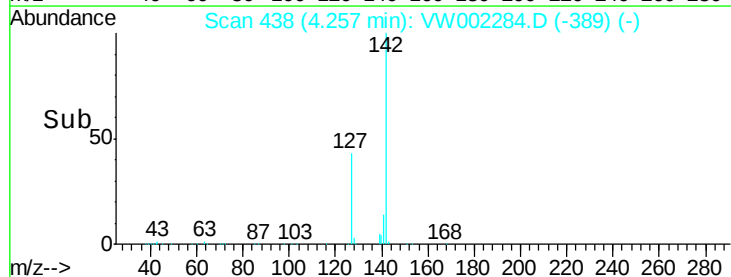
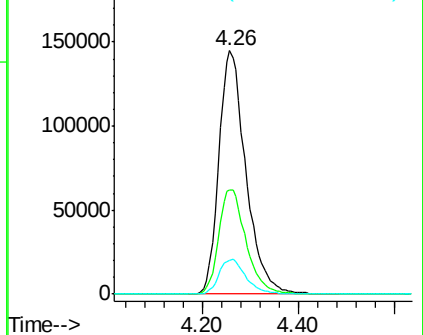
141 14.3 11.9 17.9

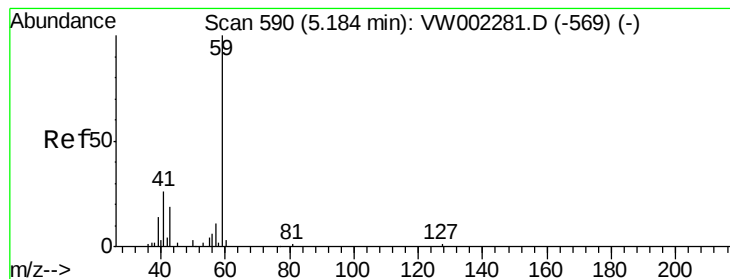


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



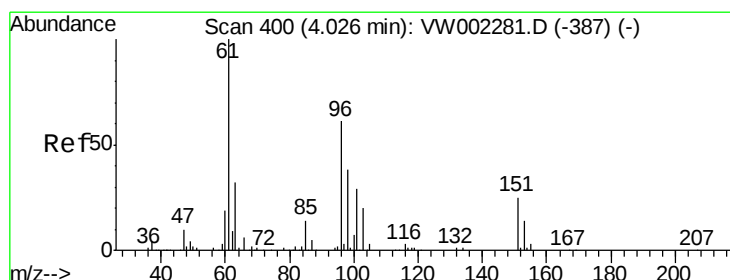
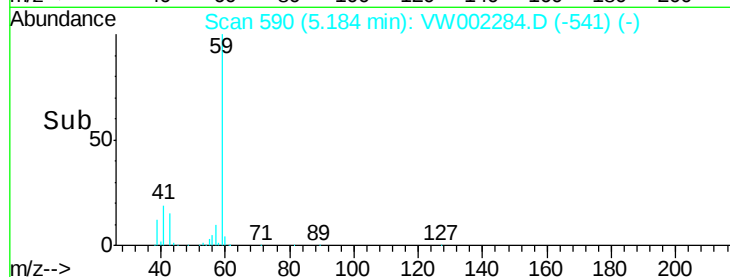
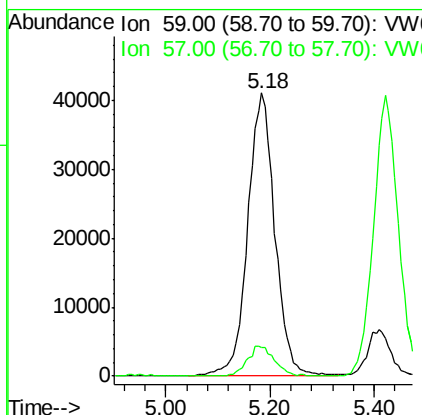
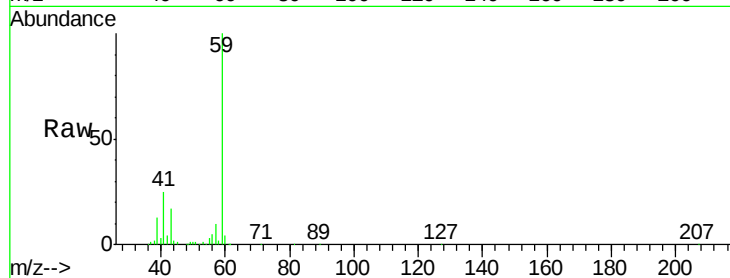


#11

Tert butyl alcohol
 Concen: 1087.23 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

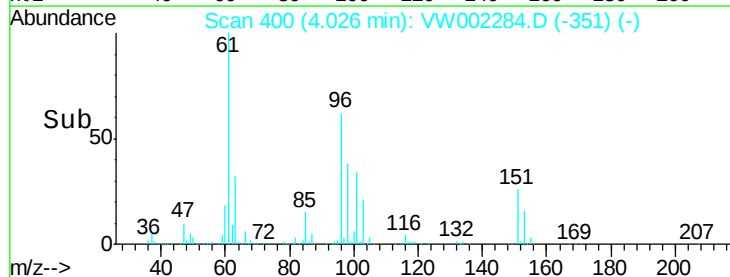
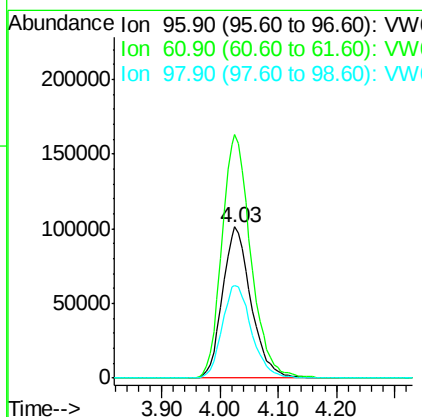
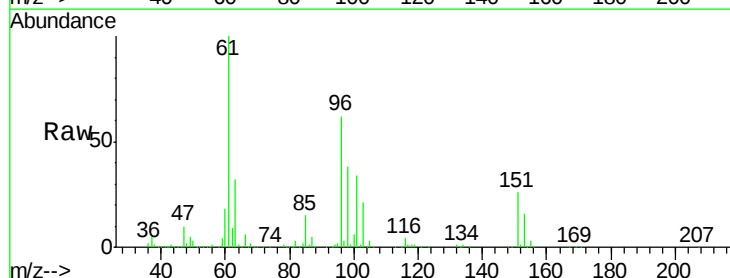
Tgt Ion: 59 Resp: 147727
 Ion Ratio Lower Upper
 59 100
 57 10.6 3.9 5.9#

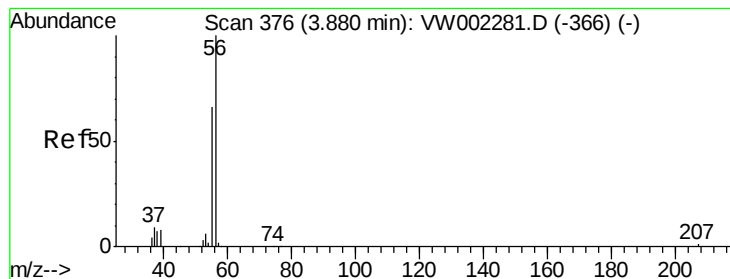


#12

1,1-Dichloroethene
 Concen: 174.29 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 96 Resp: 344381
 Ion Ratio Lower Upper
 96 100
 61 160.9 130.6 196.0
 98 61.5 49.0 73.4





#13

Acrolein

Concen: 1125.14 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampled :

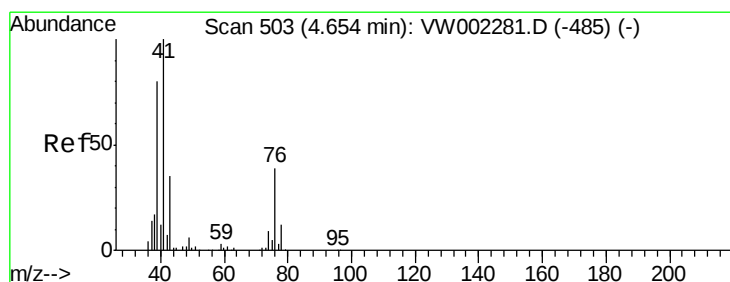
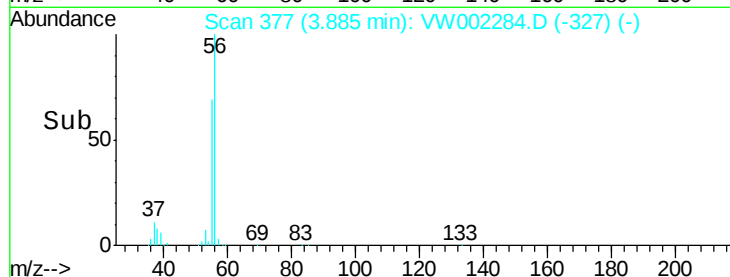
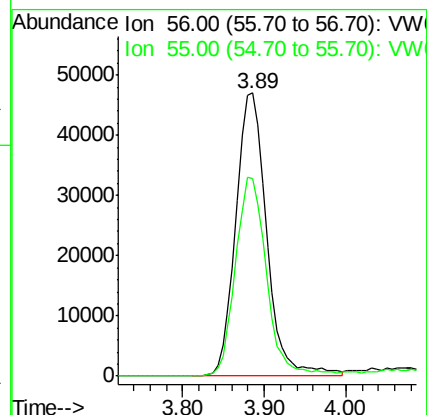
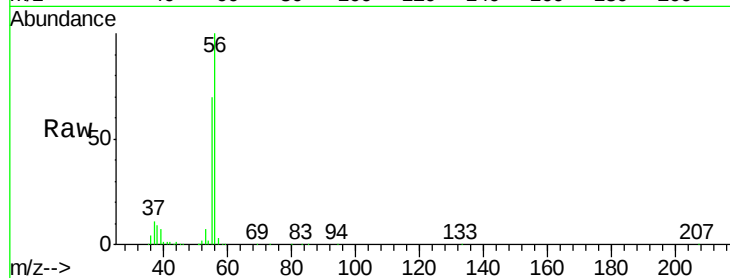
VSTDIC150

Tgt Ion: 56 Resp: 123313

Ion Ratio Lower Upper

56 100

55 70.6 57.3 85.9



#14

Allyl chloride

Concen: 215.94 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

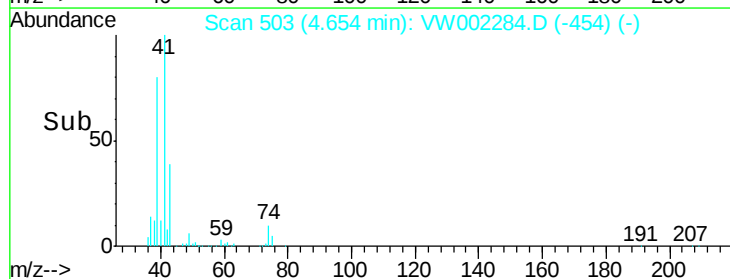
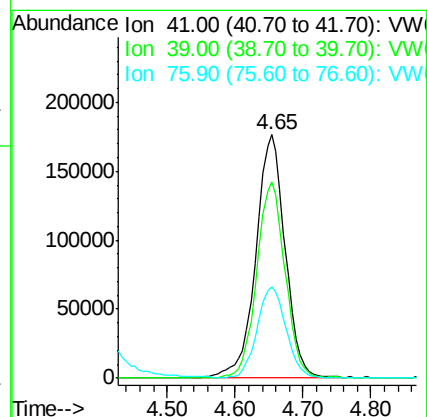
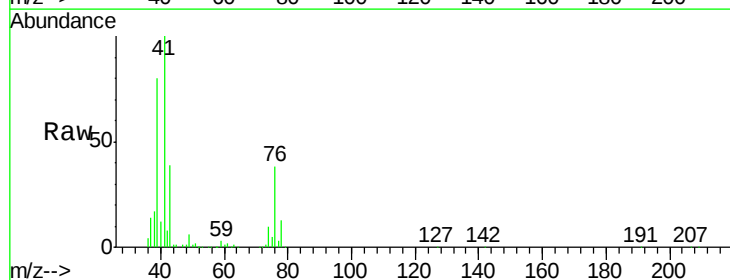
Tgt Ion: 41 Resp: 531496

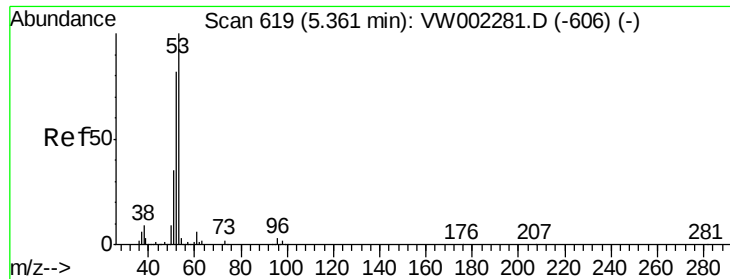
Ion Ratio Lower Upper

41 100

39 78.0 61.7 92.5

76 36.9 29.8 44.6

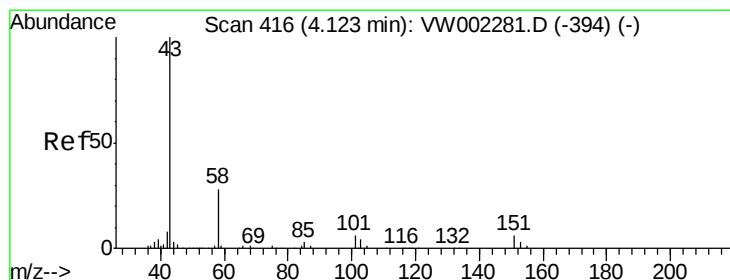
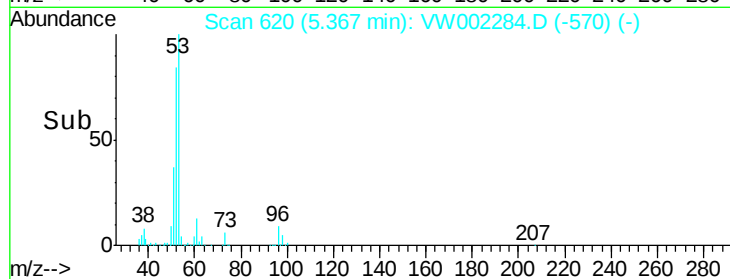
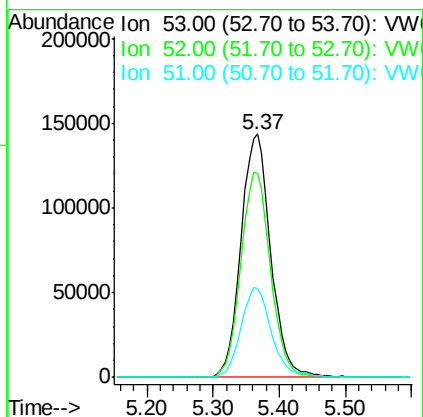
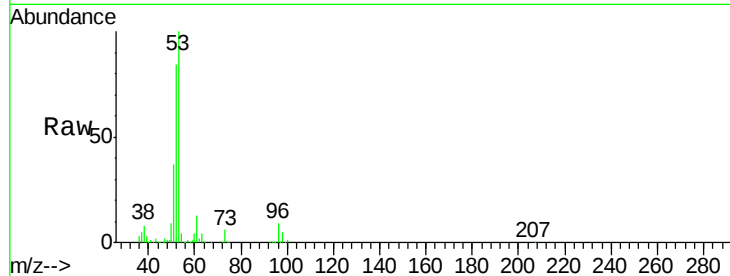




#15
 Acrylonitrile
 Concen: 1212.86 ug/l
 RT: 5.37 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

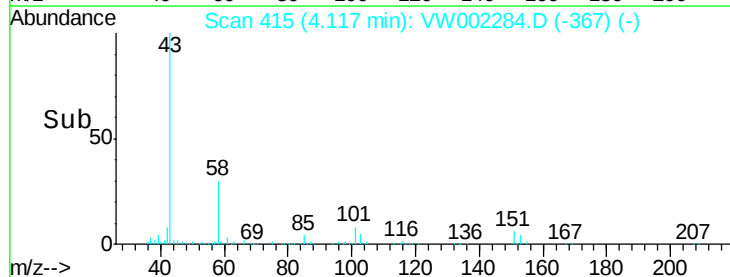
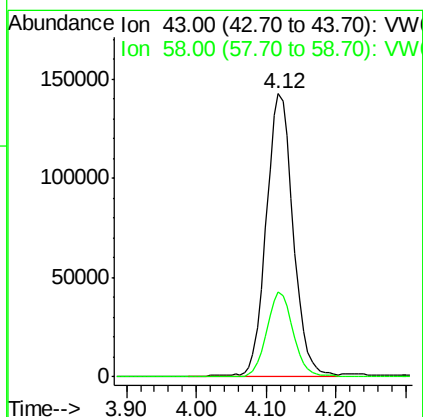
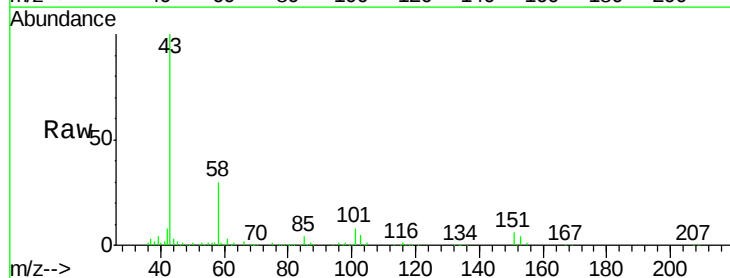
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

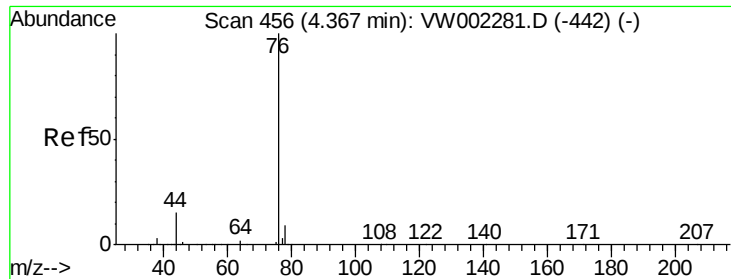
Tgt Ion: 53 Resp: 448292
 Ion Ratio Lower Upper
 53 100
 52 83.9 67.9 101.9
 51 38.3 30.0 45.0



#16
 Acetone
 Concen: 887.71 ug/l
 RT: 4.12 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 43 Resp: 385883
 Ion Ratio Lower Upper
 43 100
 58 29.9 22.2 33.4

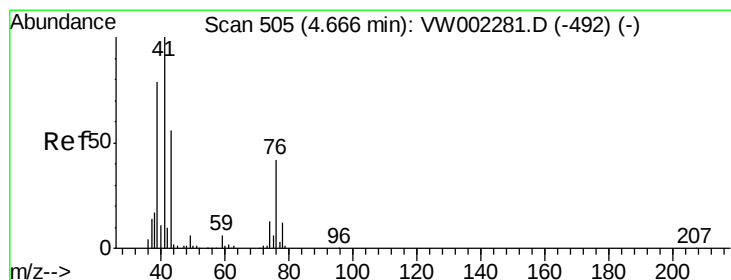
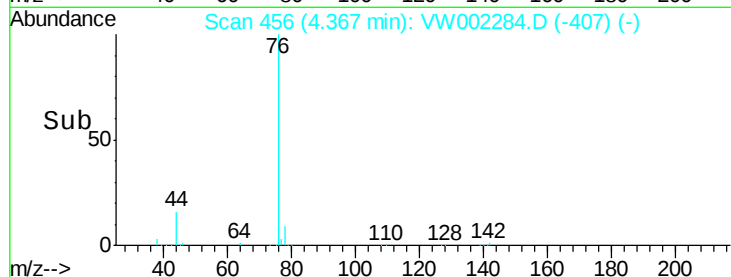
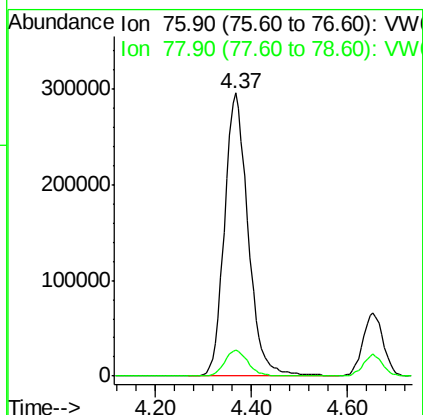
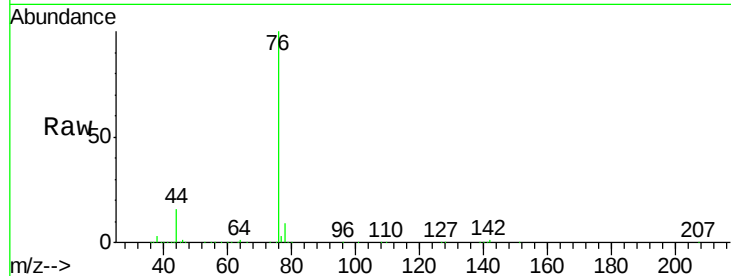




#17
Carbon Disulfide
Concen: 163.03 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

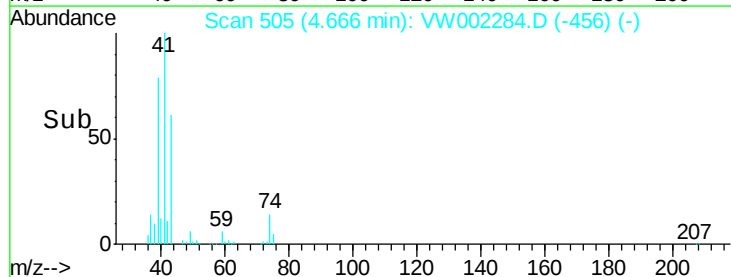
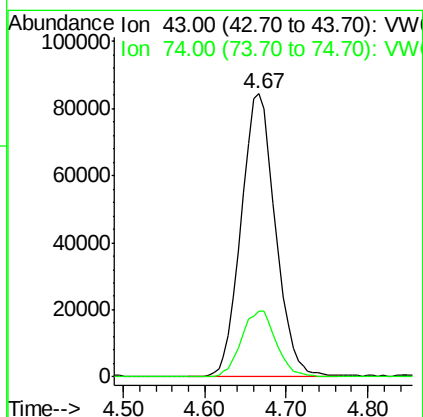
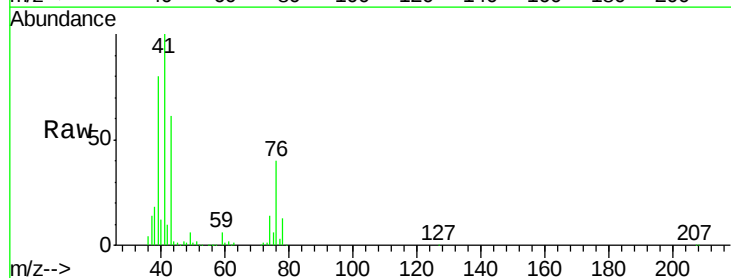
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

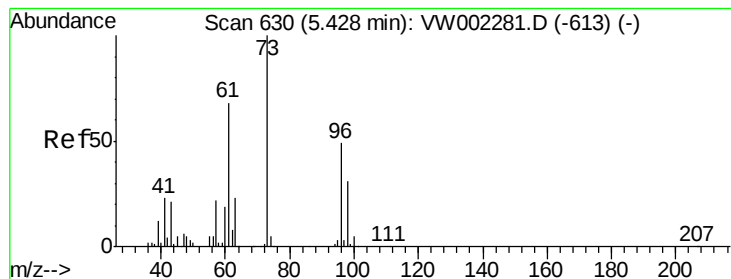
Tgt Ion: 76 Resp: 1010878
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3



#18
Methyl Acetate
Concen: 256.14 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion: 43 Resp: 244791
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 153.80 ug/l

RT: 5.42 min Scan# 629

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

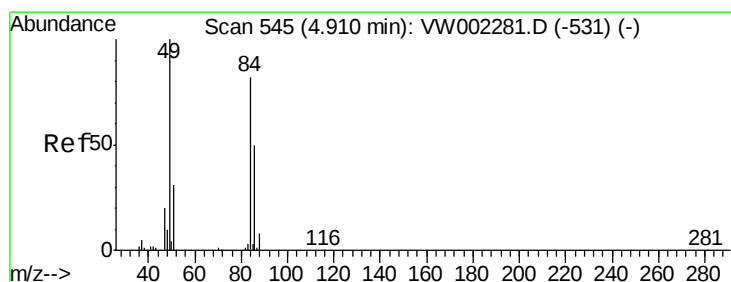
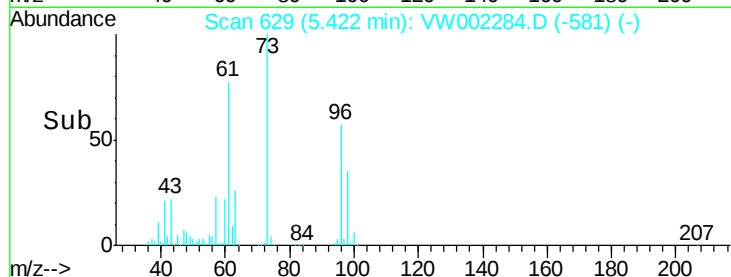
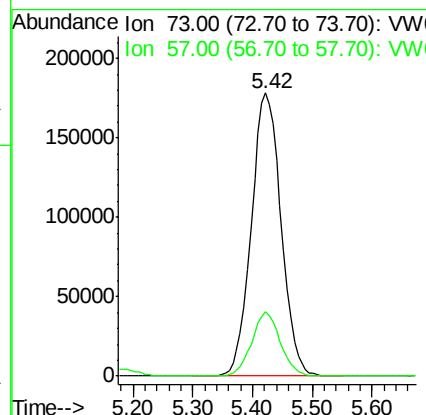
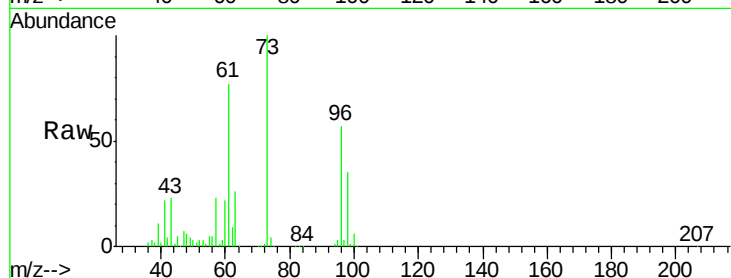
VSTDIC150

Tgt Ion: 73 Resp: 616770

Ion Ratio Lower Upper

73 100

57 22.8 17.7 26.5



#20

Methylene Chloride

Concen: 143.12 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Tgt Ion: 84 Resp: 351451

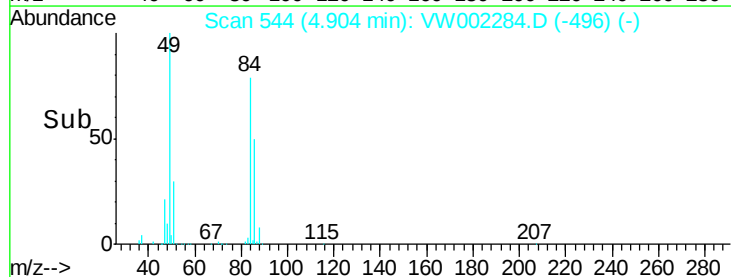
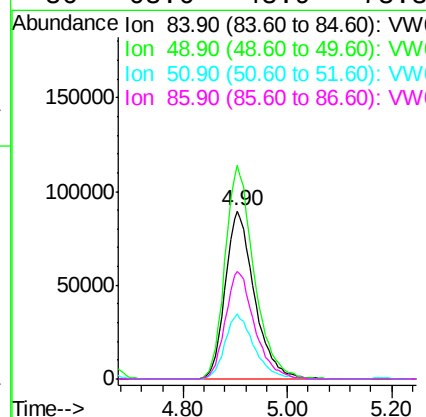
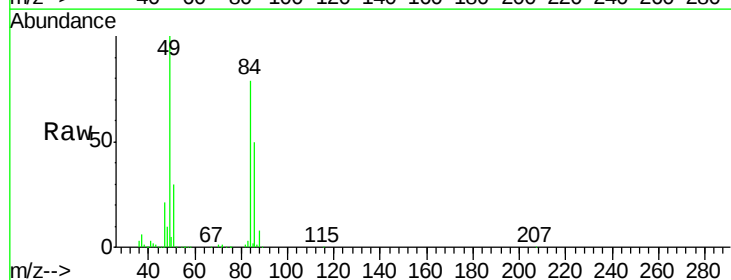
Ion Ratio Lower Upper

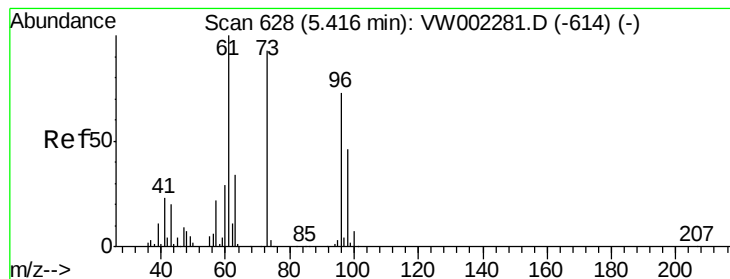
84 100

49 127.0 97.7 146.5

51 38.7 30.2 45.4

86 63.6 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 168.96 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

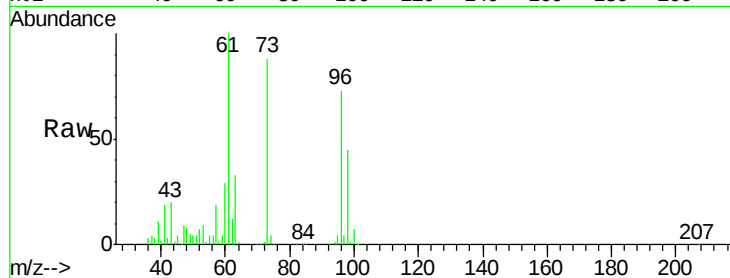
Tgt Ion: 96 Resp: 372473

Ion Ratio Lower Upper

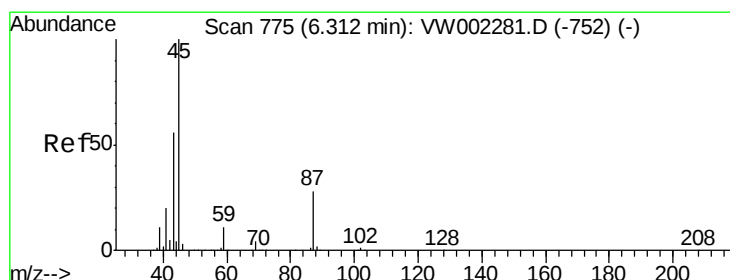
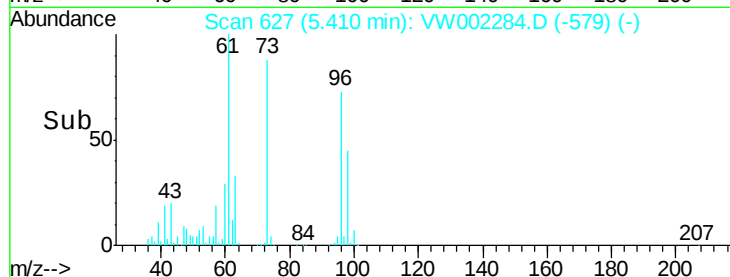
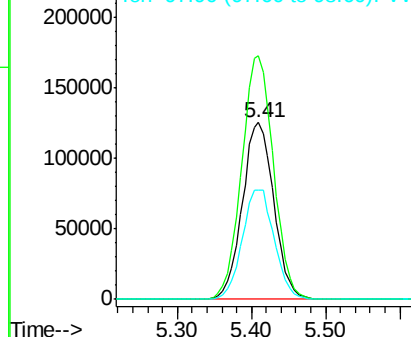
96 100

61 137.5 109.5 164.3

98 61.9 50.2 75.4



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



#22

Diisopropyl ether

Concen: 240.90 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Tgt Ion: 45 Resp: 1183767

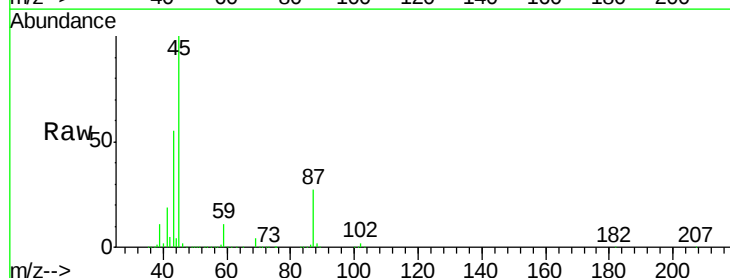
Ion Ratio Lower Upper

45 100

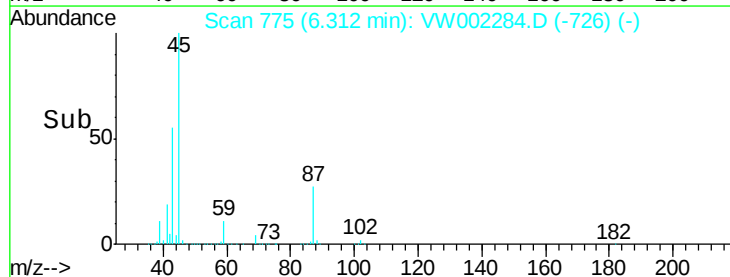
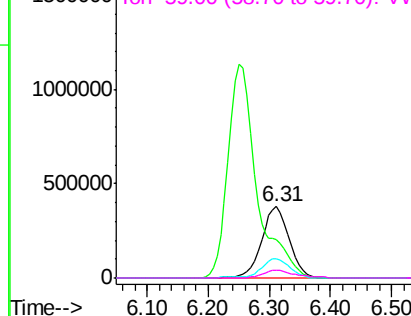
43 54.7 44.5 66.7

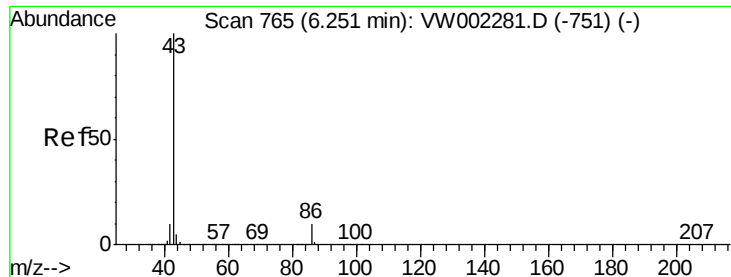
87 27.1 22.2 33.4

59 11.0 8.9 13.3



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





#23

Vinyl Acetate

Concen: 1417.07 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

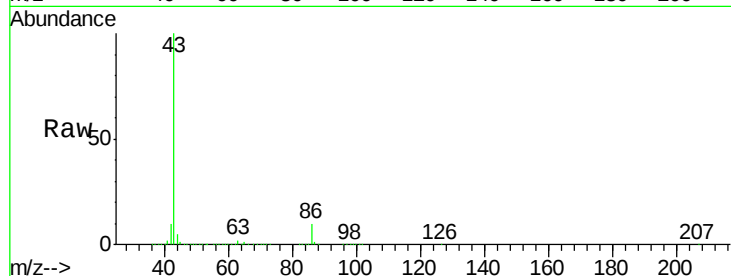
VSTDIC150

Tgt Ion: 43 Resp: 3707422

Ion Ratio Lower Upper

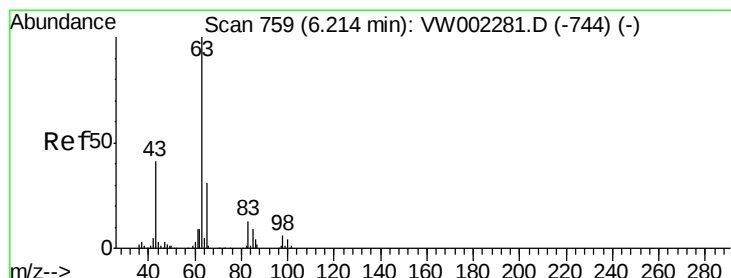
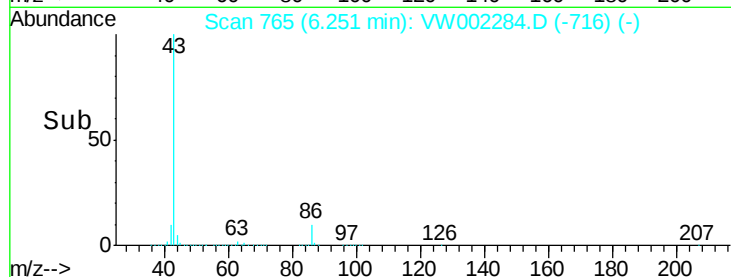
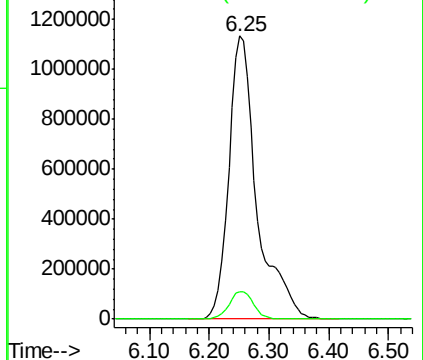
43 100

86 9.8 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 189.52 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

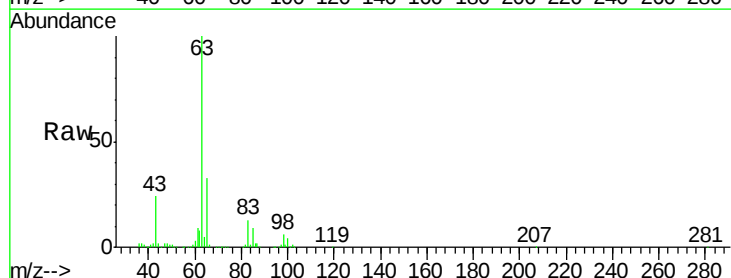
Tgt Ion: 63 Resp: 679492

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

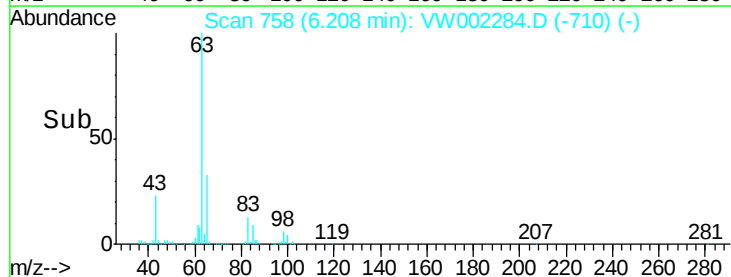
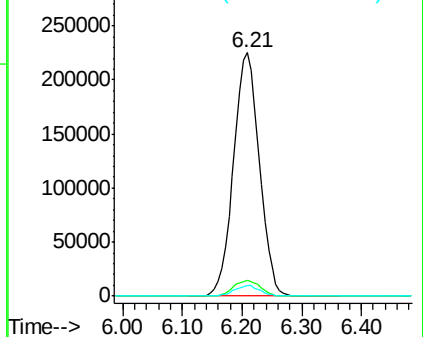
100 4.4 2.0 6.0

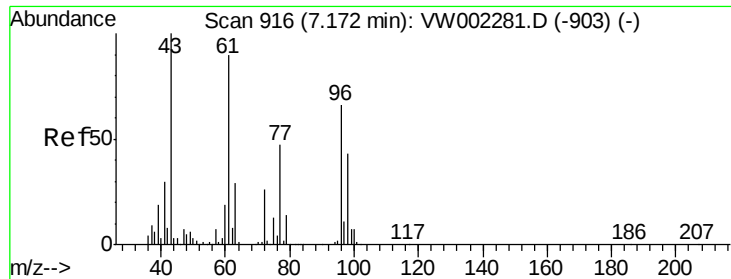


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 1282.32 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

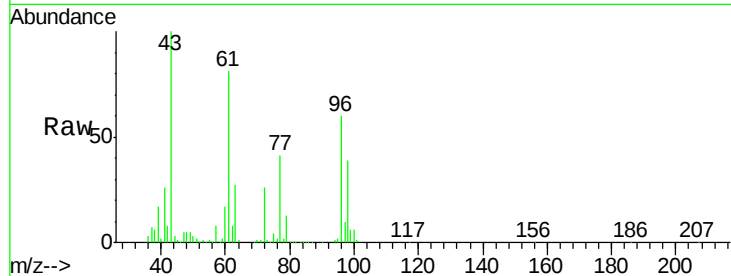
VSTDIC150

Tgt Ion: 43 Resp: 620406

Ion Ratio Lower Upper

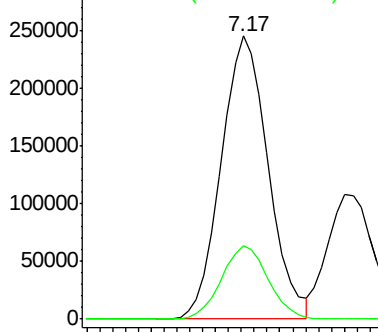
43 100

72 26.2 20.6 31.0

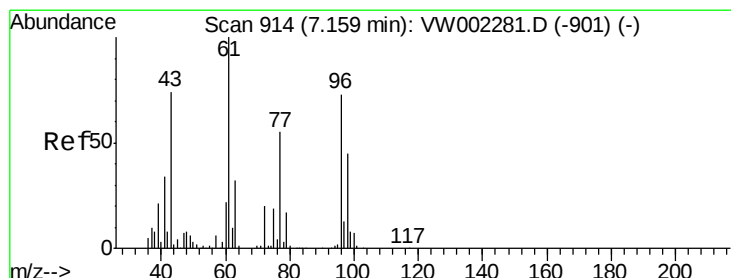
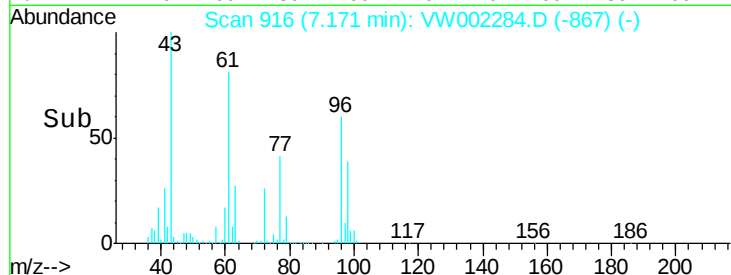


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 97.21 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW002284.D

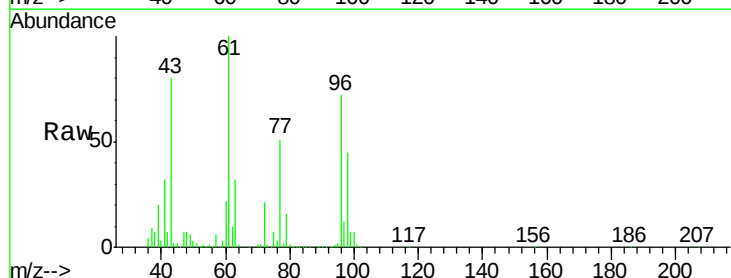
Acq: 08 May 2018 02:16

Tgt Ion: 77 Resp: 325703

Ion Ratio Lower Upper

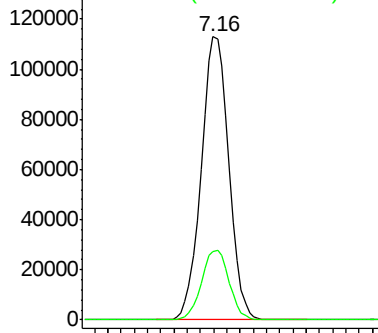
77 100

97 24.7 12.7 38.0

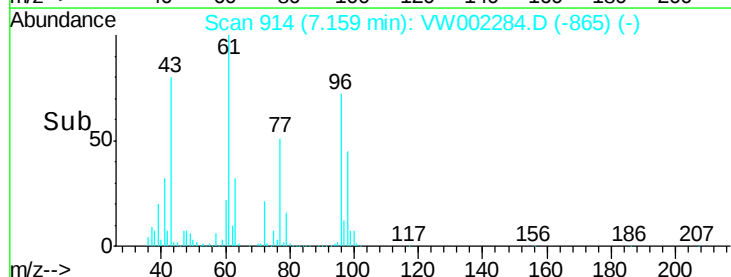


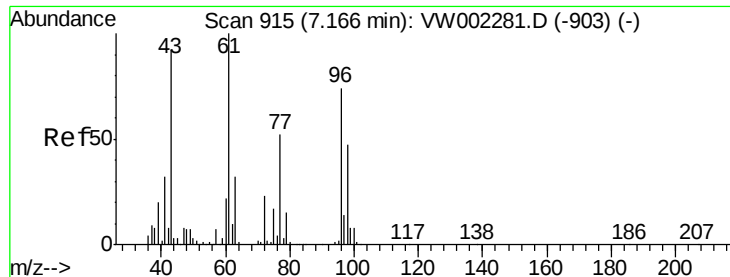
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



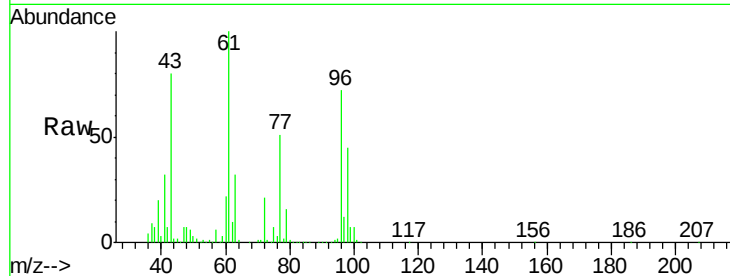


#27

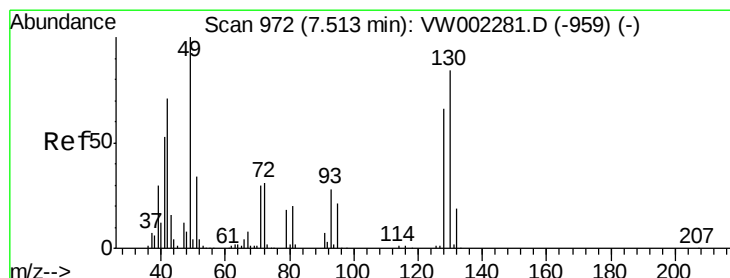
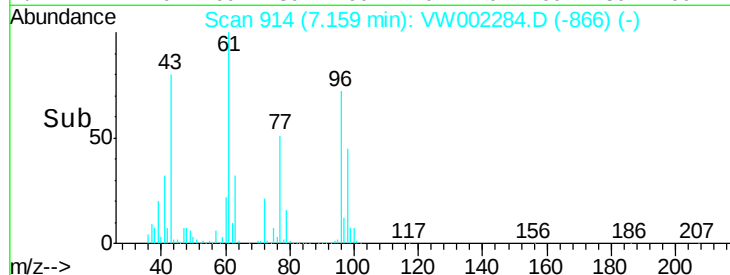
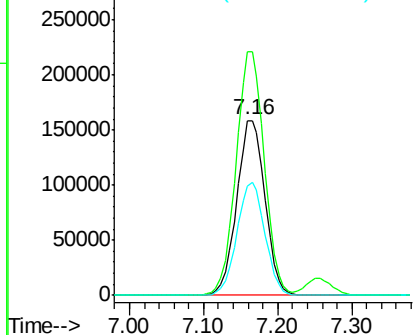
cis-1,2-Dichloroethene
Concen: 180.76 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 421783
Ion Ratio Lower Upper
96 100
61 139.1 0.0 274.8
98 63.9 0.0 128.4



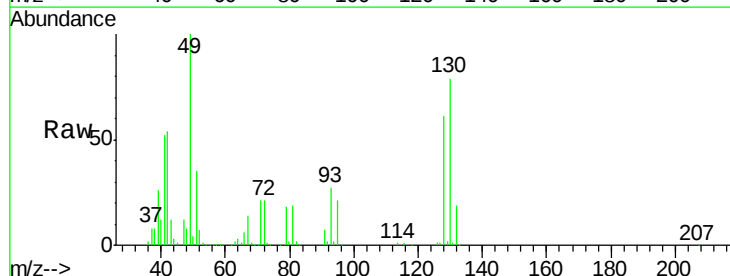
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



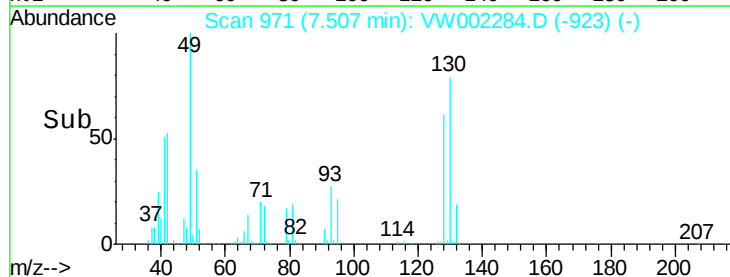
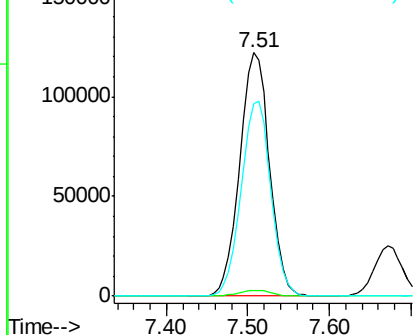
#28

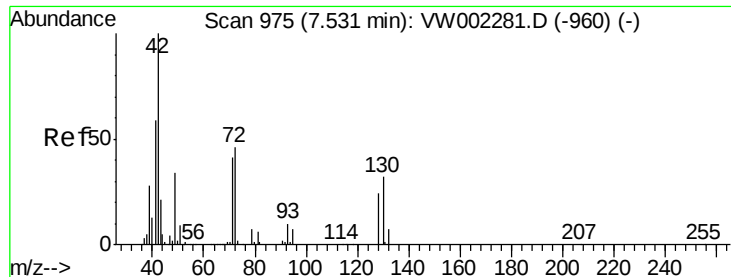
Bromochloromethane
Concen: 245.59 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion: 49 Resp: 309218
Ion Ratio Lower Upper
49 100
129 2.5 0.0 2.4#
130 79.4 65.5 98.3



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





#29

Tetrahydrofuran

Concen: 1475.41 ug/l

RT: 7.53 min Scan# 974

Delta R.T. -0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

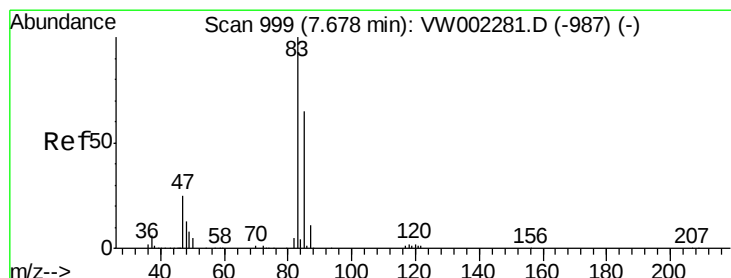
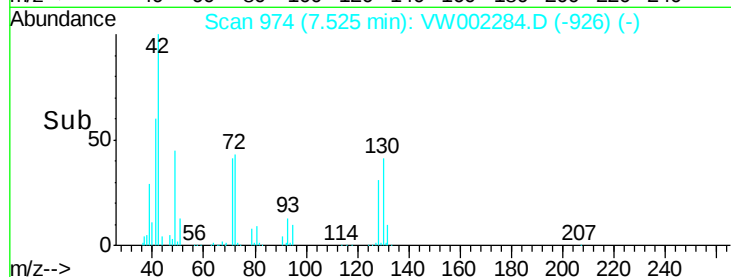
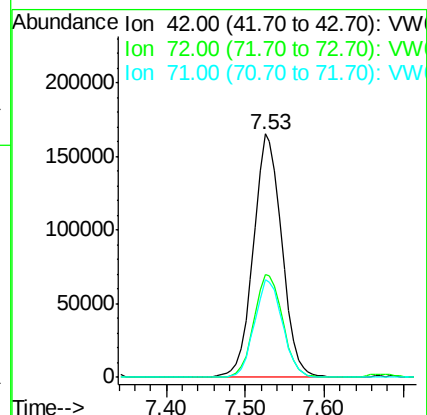
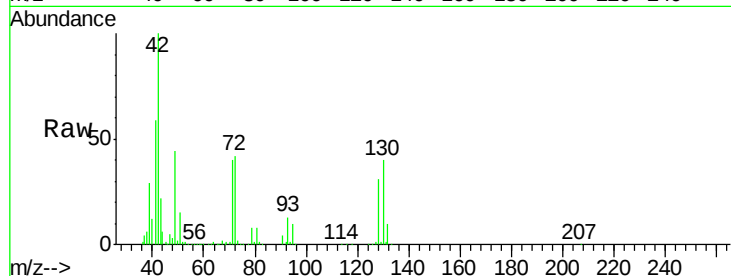
Tgt Ion: 42 Resp: 415013

Ion Ratio Lower Upper

42 100

72 42.6 34.5 51.7

71 39.6 33.0 49.6



#30

Chloroform

Concen: 170.74 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002284.D

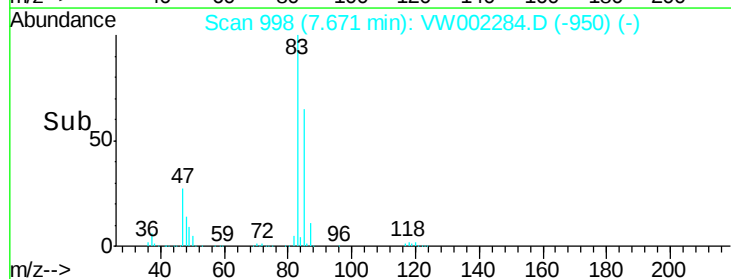
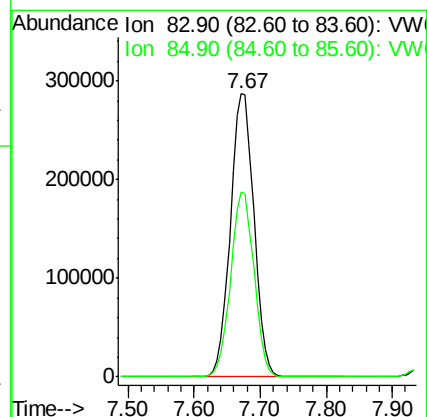
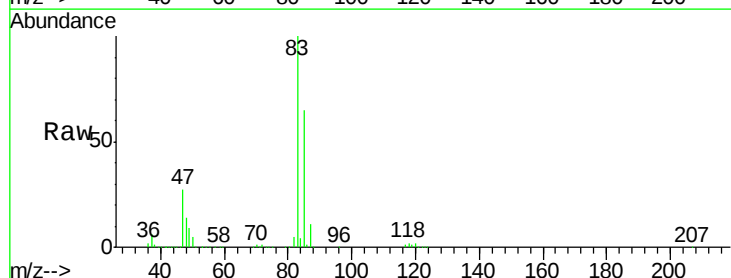
Acq: 08 May 2018 02:16

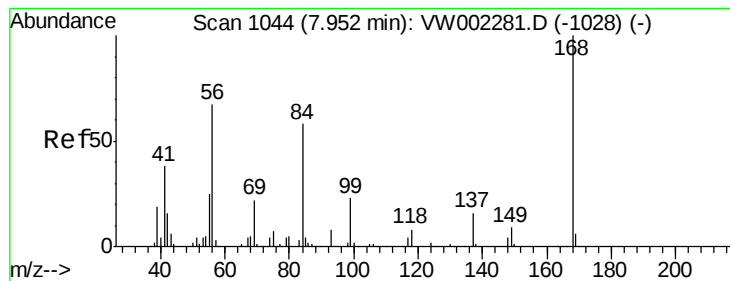
Tgt Ion: 83 Resp: 707990

Ion Ratio Lower Upper

83 100

85 65.2 51.8 77.6





#31

Cyclohexane

Concen: 174.68 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

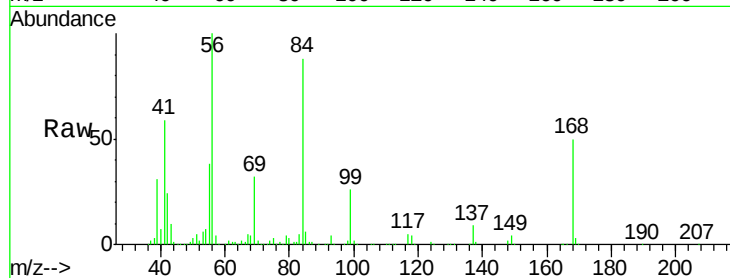
Tgt Ion: 56 Resp: 567451

Ion Ratio Lower Upper

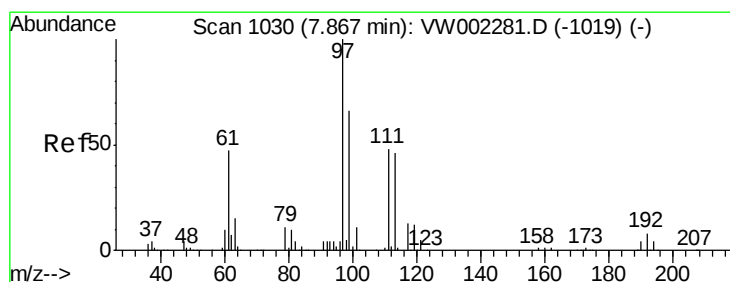
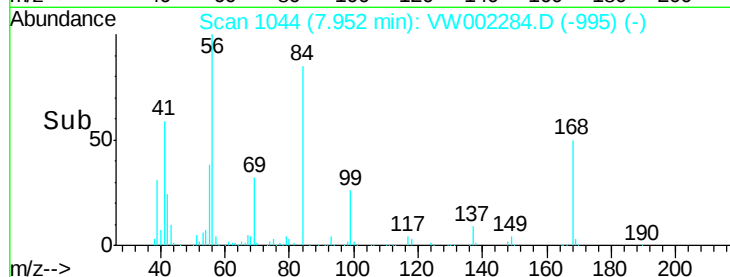
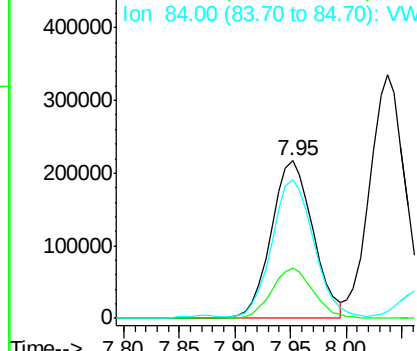
56 100

69 31.8 26.2 39.4

84 86.5 69.2 103.8



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: 134.99 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

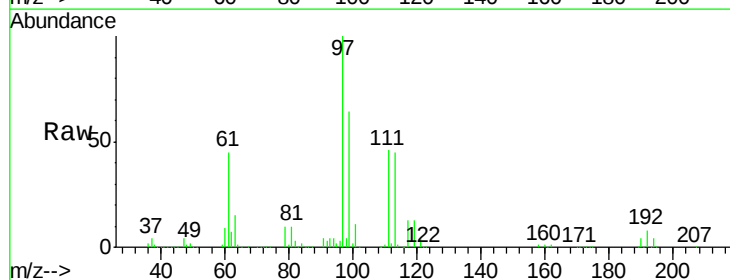
Tgt Ion: 97 Resp: 537263

Ion Ratio Lower Upper

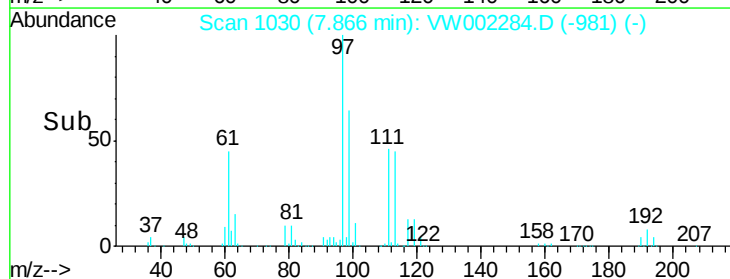
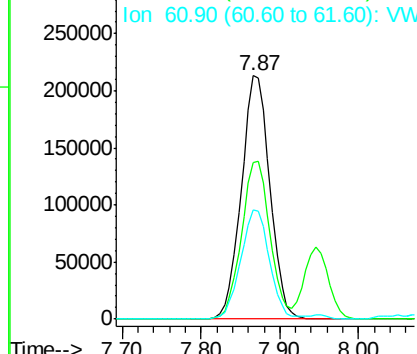
97 100

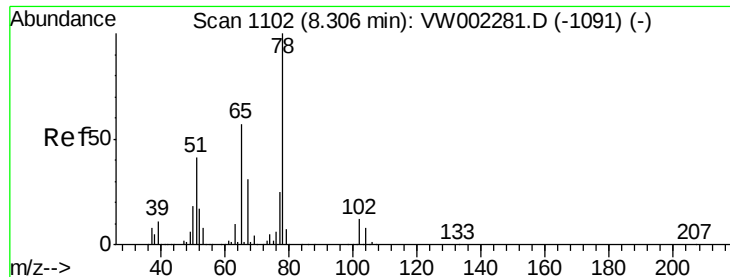
99 65.0 52.6 79.0

61 44.9 35.6 53.4



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: 192.84 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

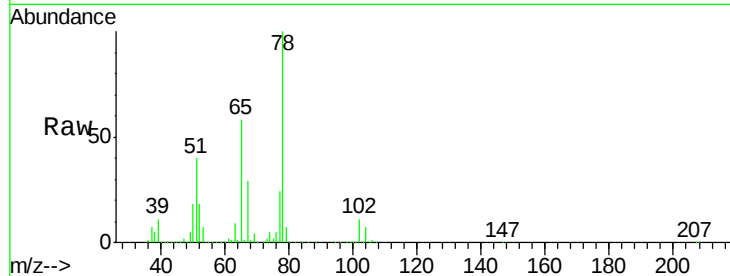
VSTDIC150

Tgt Ion: 65 Resp: 421147

Ion Ratio Lower Upper

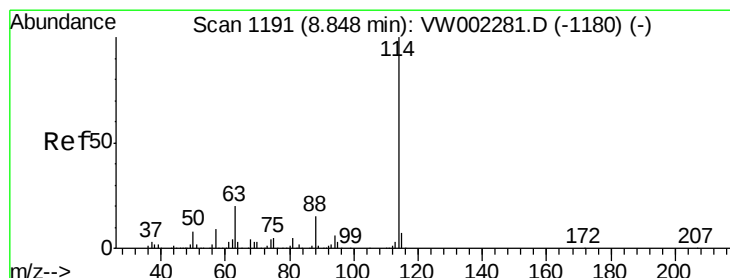
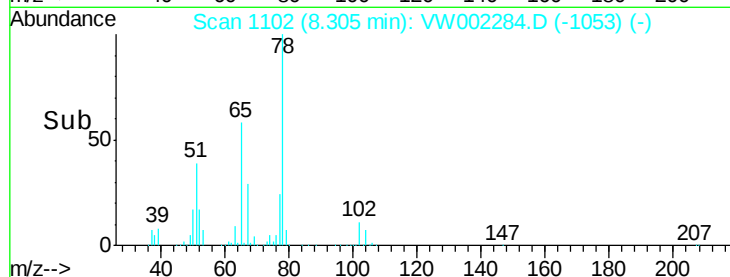
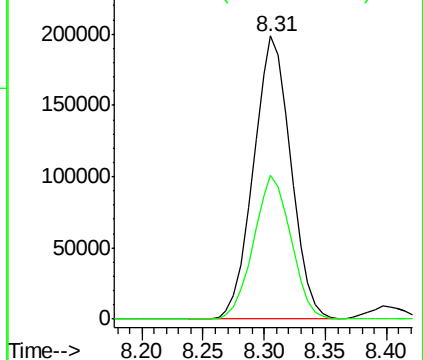
65 100

67 51.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

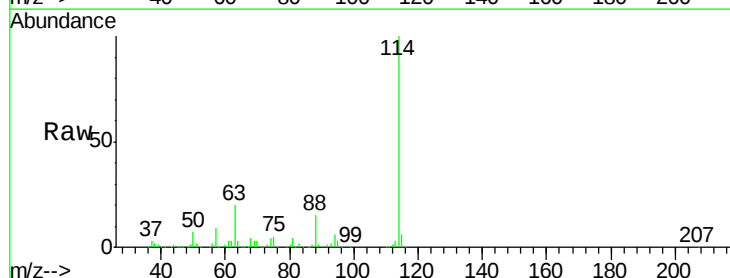
Tgt Ion: 114 Resp: 388214

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

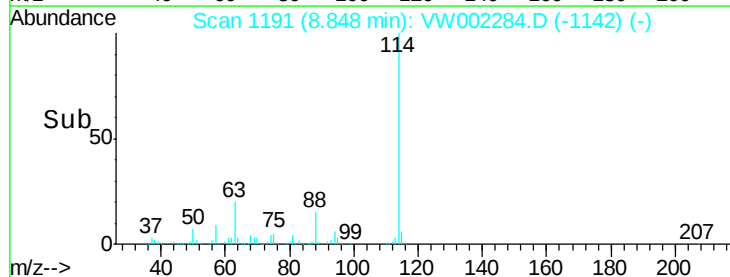
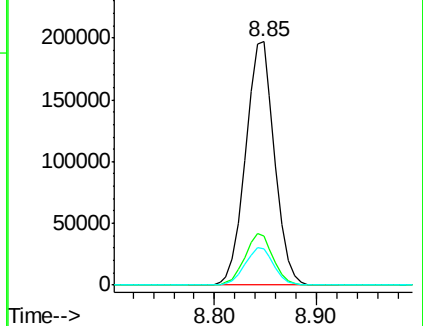
88 14.9 0.0 29.6

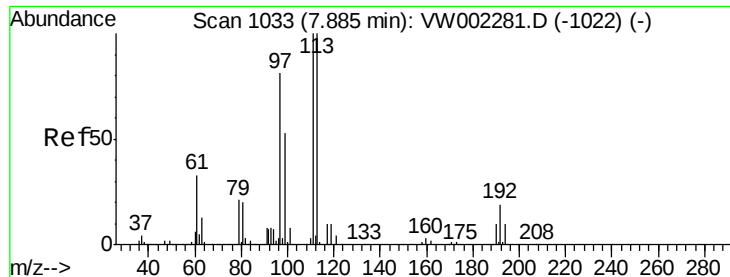


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 157.72 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

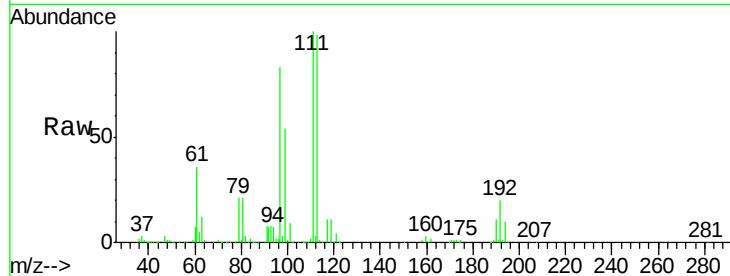
Tgt Ion: 113 Resp: 384193

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

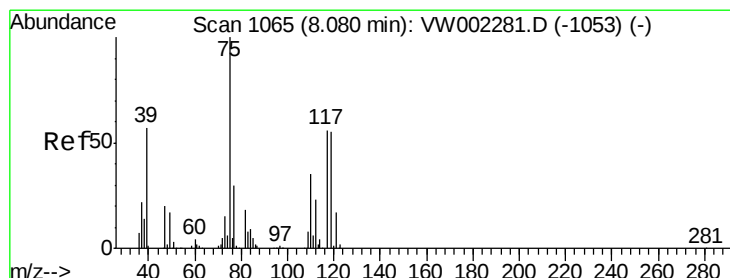
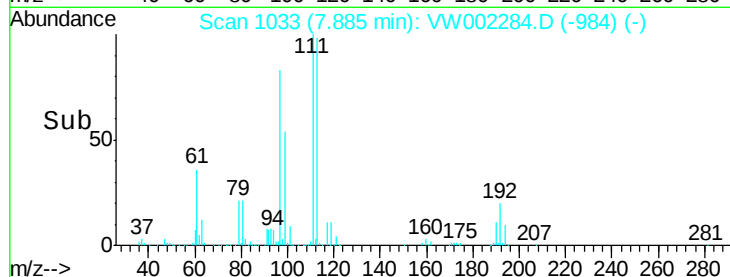
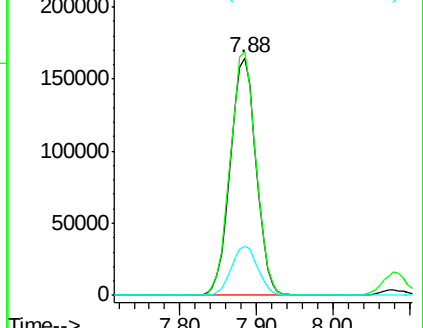
192 21.2 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 148.58 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

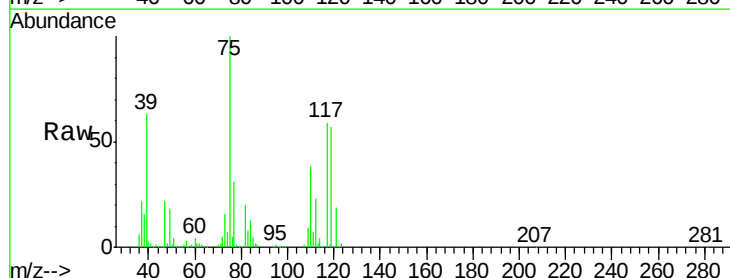
Tgt Ion: 75 Resp: 534038

Ion Ratio Lower Upper

75 100

110 35.9 18.1 54.1

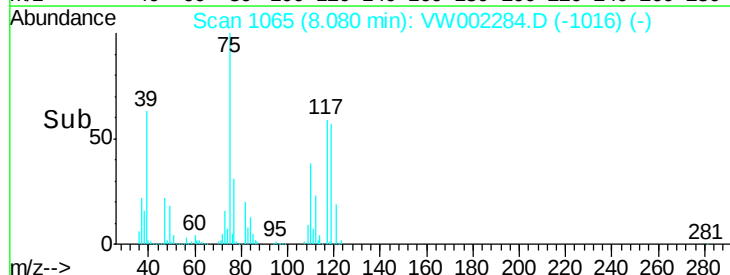
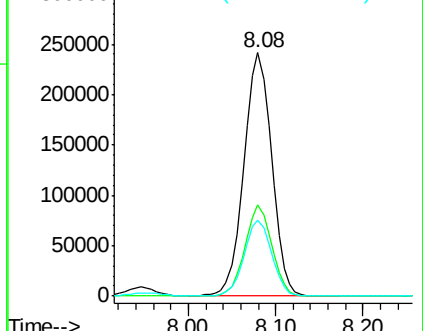
77 31.1 24.5 36.7

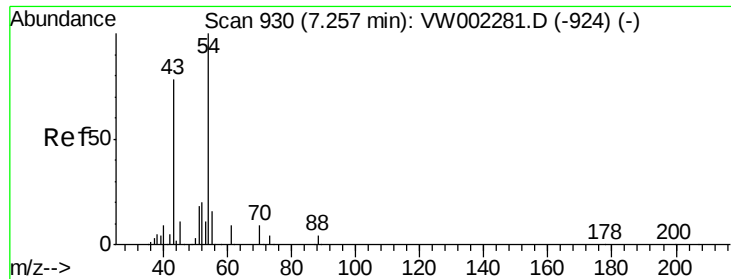


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

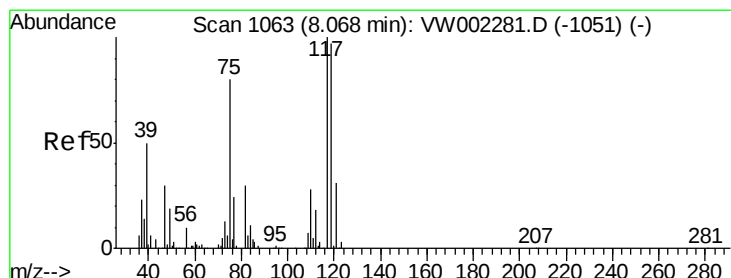
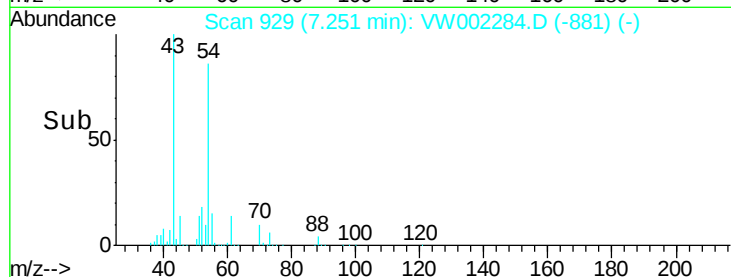
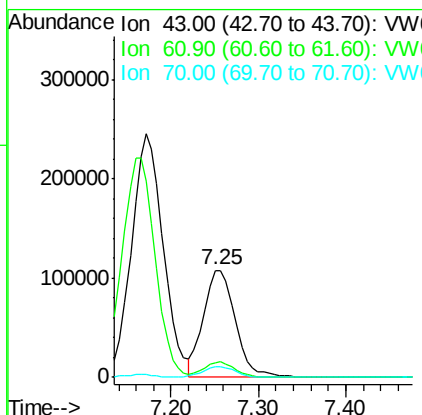
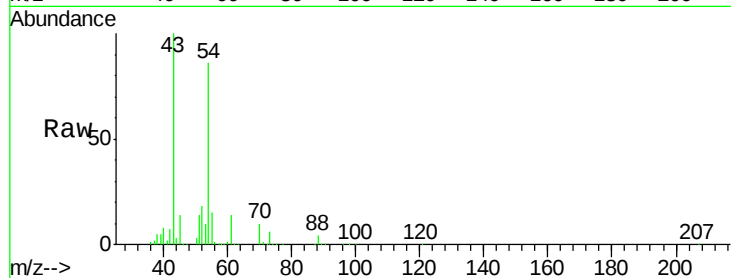




#37
 Ethyl Acetate
 Concen: 239.53 ug/l
 RT: 7.25 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

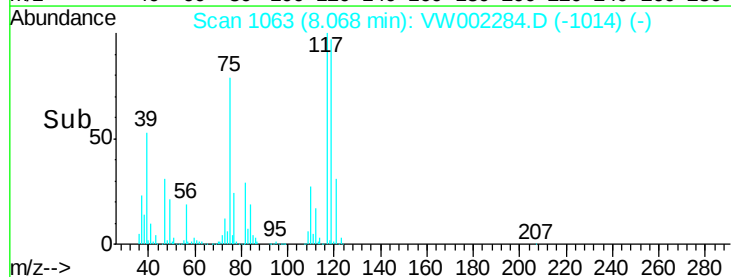
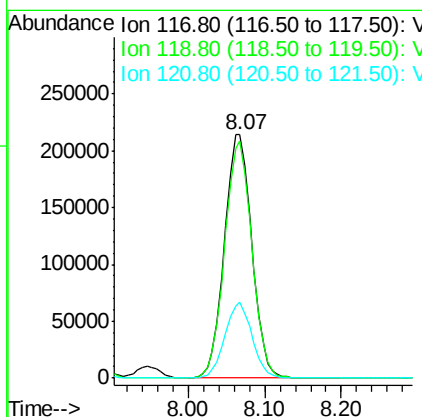
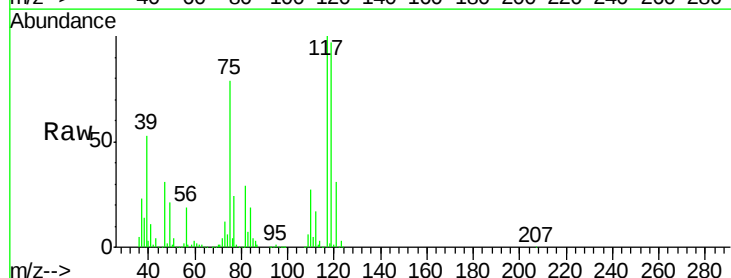
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

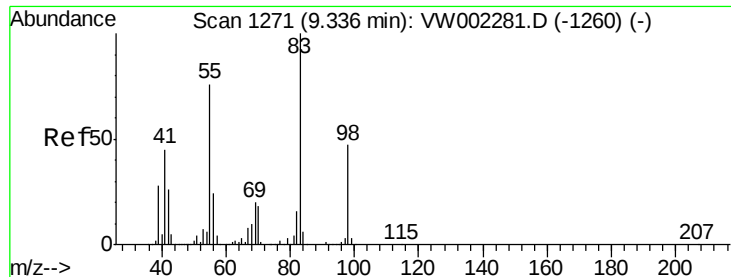
Tgt Ion: 43 Resp: 273263
 Ion Ratio Lower Upper
 43 100
 61 14.2 11.1 16.7
 70 10.0 7.9 11.9



#38
 Carbon Tetrachloride
 Concen: 122.04 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 117 Resp: 530509
 Ion Ratio Lower Upper
 117 100
 119 97.2 77.5 116.3
 121 31.3 24.4 36.6

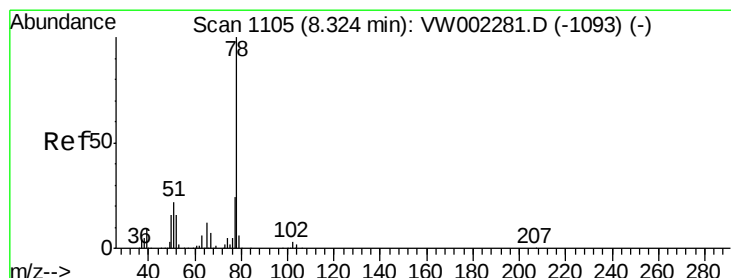
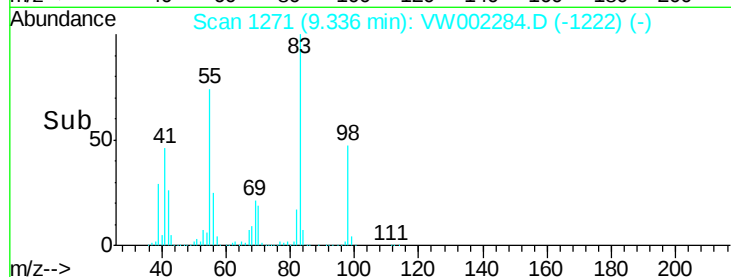
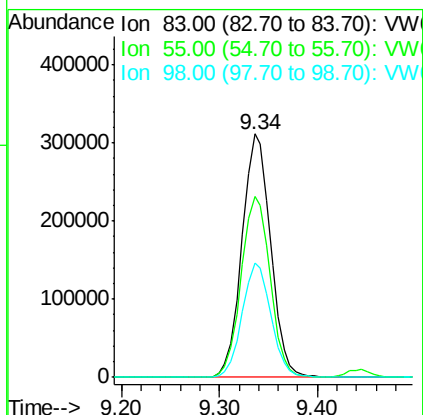
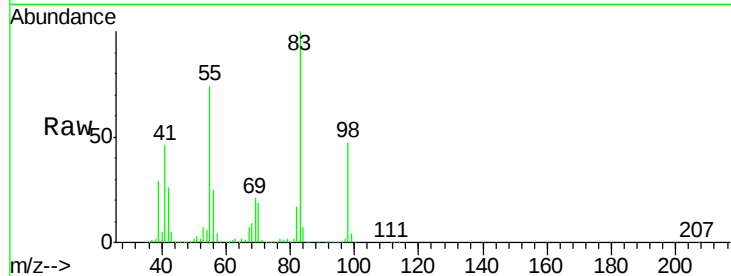




#39
Methylcyclohexane
Concen: 155.34 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

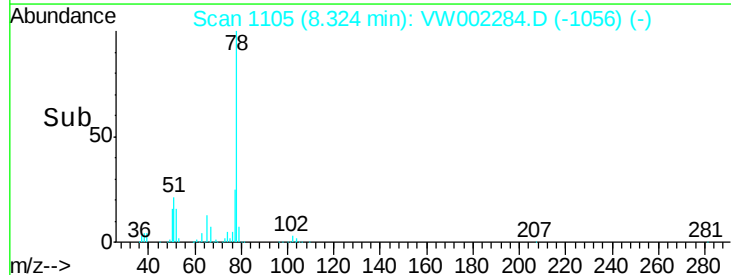
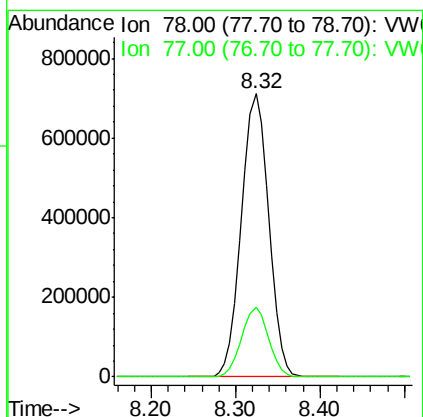
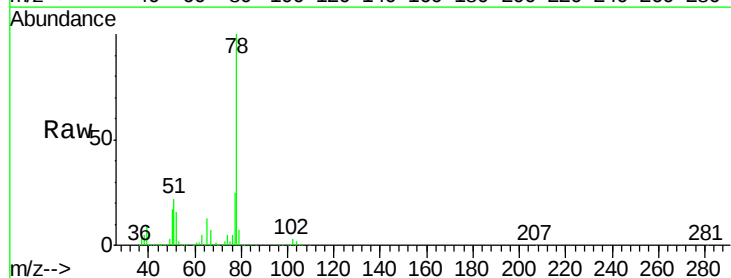
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

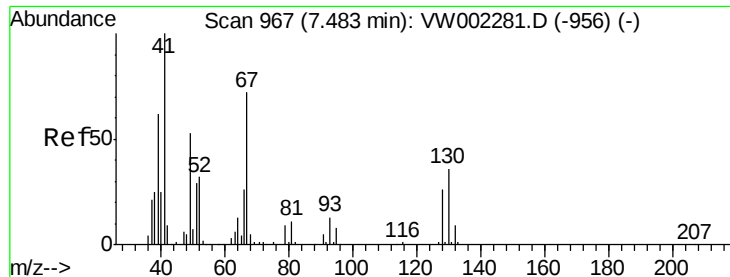
Tgt Ion: 83 Resp: 635562
Ion Ratio Lower Upper
83 100
55 74.5 60.6 91.0
98 46.7 37.4 56.0



#40
Benzene
Concen: 156.86 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion: 78 Resp: 1556206
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

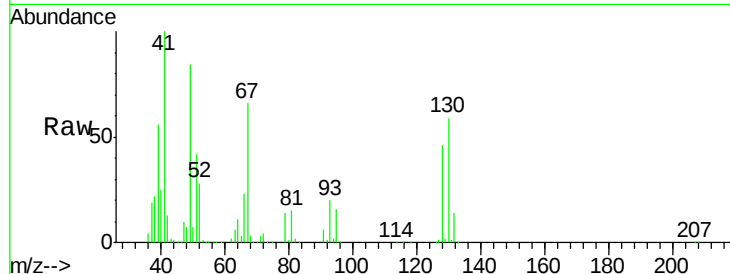




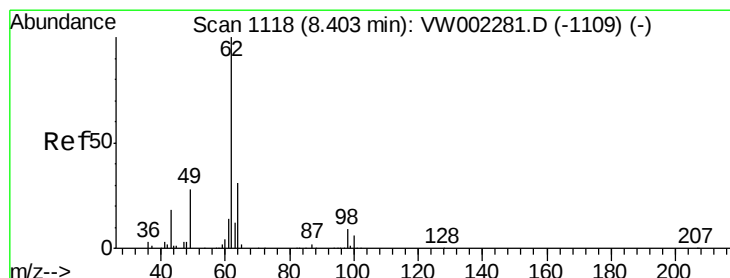
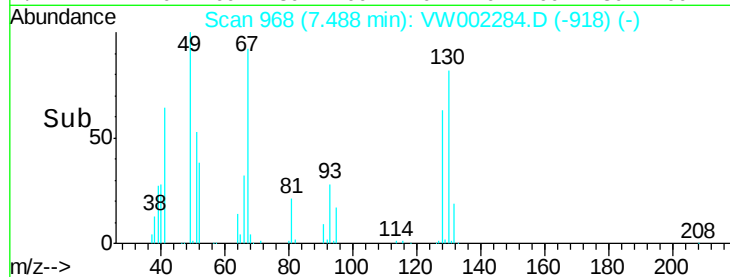
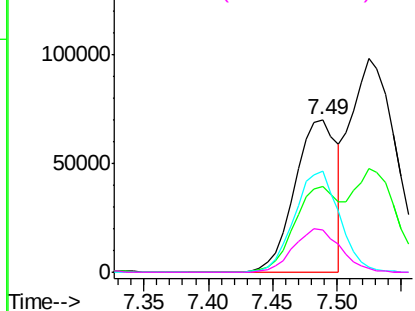
#41
Methacrylonitrile
Concen: 252.12 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 159448
Ion Ratio Lower Upper
41 100
39 63.6 40.2 60.4#
67 71.0 54.7 82.1
52 32.2 23.6 35.4

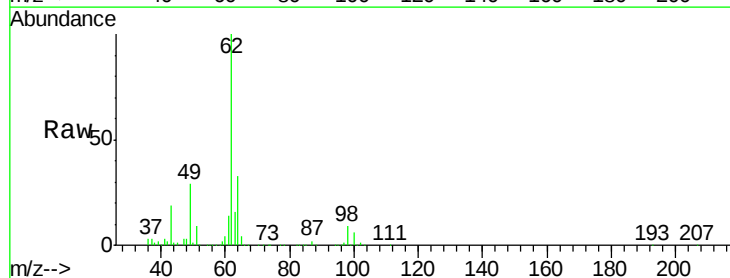


Abundance Ion 41.00 (40.70 to 41.70): VW
150000 Ion 39.00 (38.70 to 39.70): VW
100000 Ion 67.00 (66.70 to 67.70): VW
50000 Ion 52.00 (51.70 to 52.70): VW
0

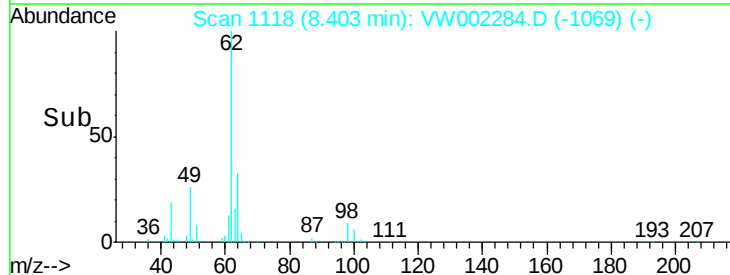
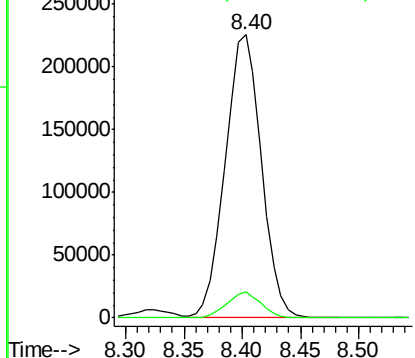


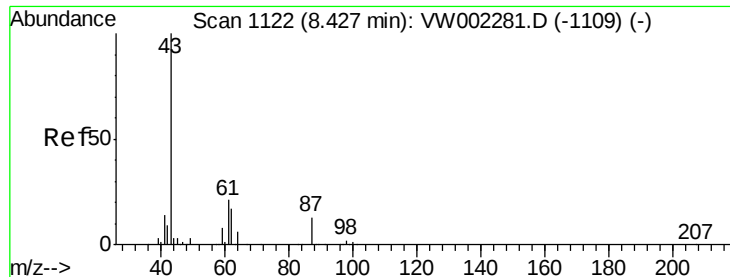
#42
1,2-Dichloroethane
Concen: 159.29 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion: 62 Resp: 487315
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
250000 Ion 97.90 (97.60 to 98.60): VW
200000
150000
100000
50000
0





#43

Isopropyl Acetate

Concen: 241.64 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

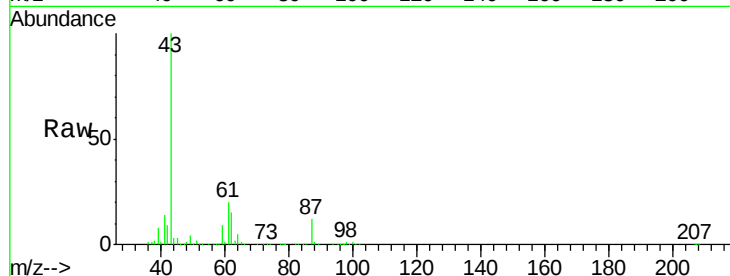
Tgt Ion: 43 Resp: 547022

Ion Ratio Lower Upper

43 100

61 28.1 23.7 35.5

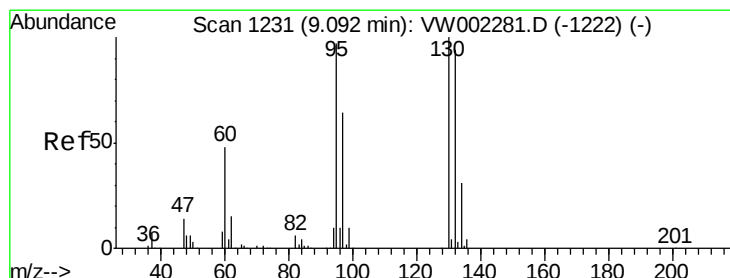
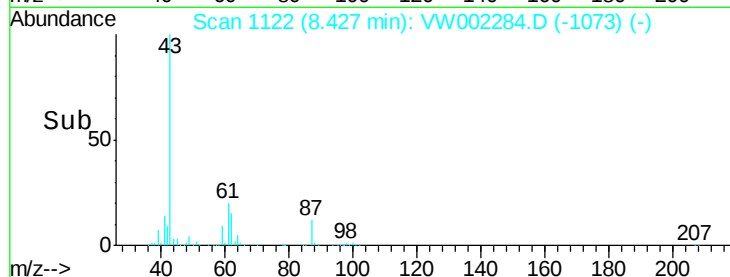
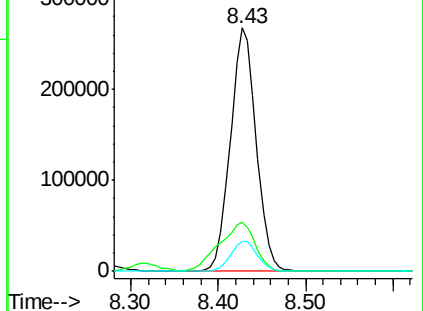
87 12.8 10.7 16.1



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: 135.16 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002284.D

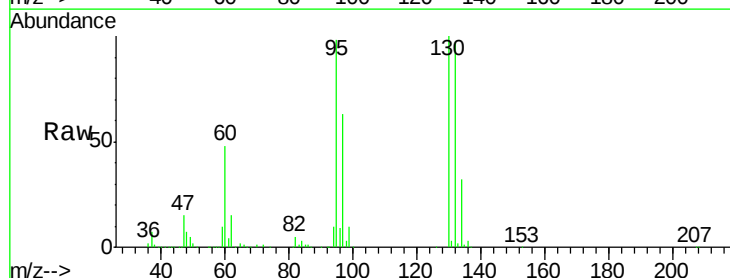
Acq: 08 May 2018 02:16

Tgt Ion: 130 Resp: 423399

Ion Ratio Lower Upper

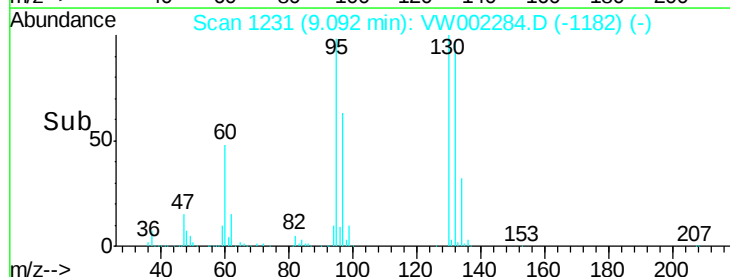
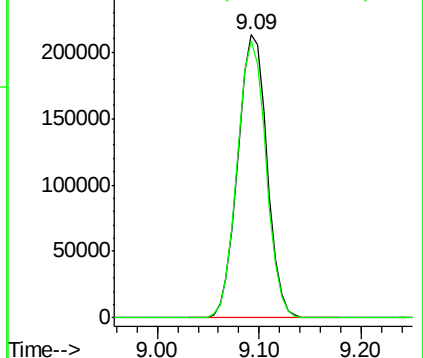
130 100

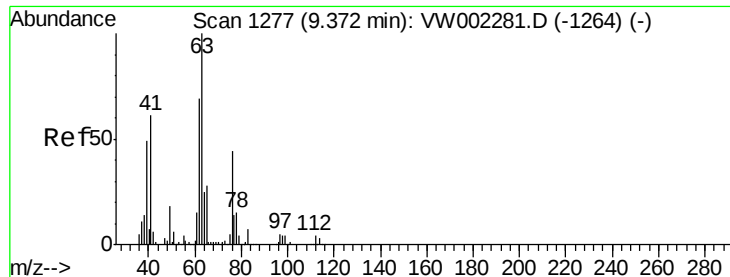
95 97.8 0.0 193.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

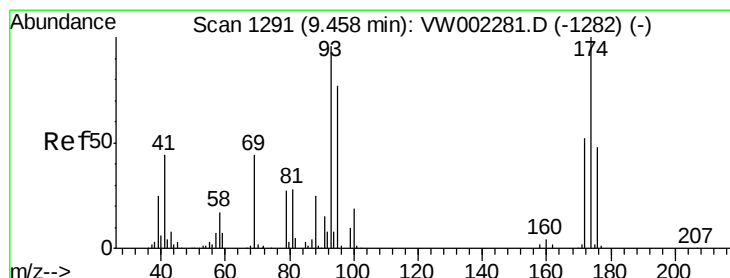
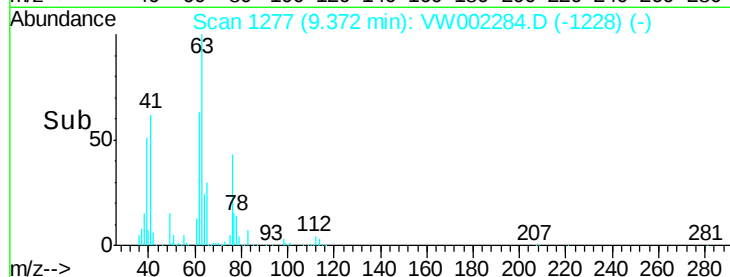
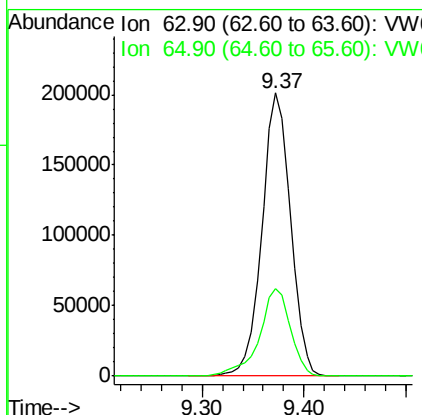
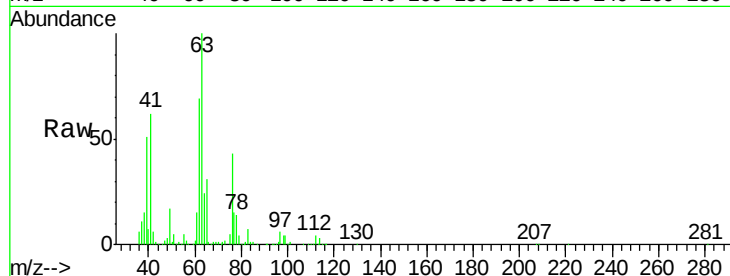




#45
 1,2-Dichloropropane
 Concen: 173.35 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

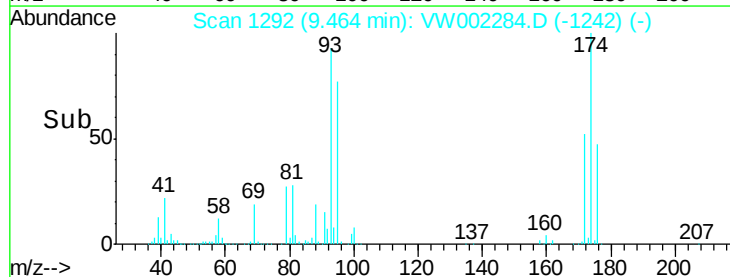
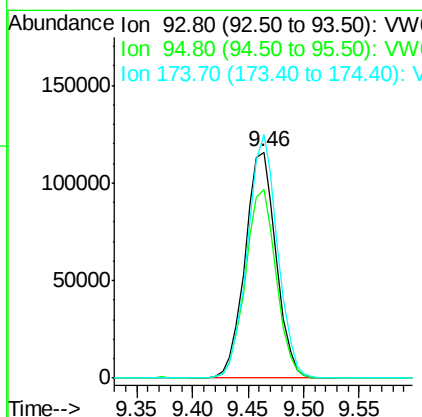
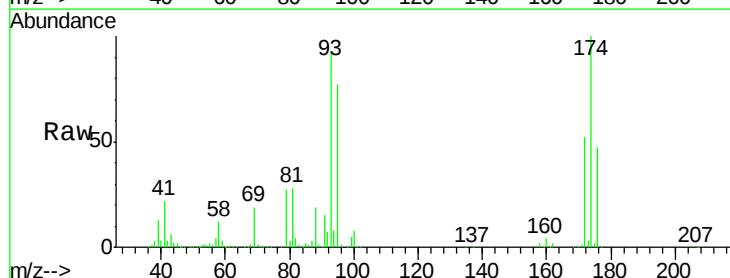
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

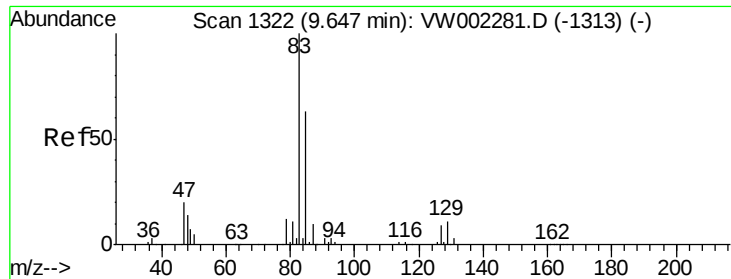
Tgt Ion: 63 Resp: 391874
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.9 34.3



#46
 Dibromomethane
 Concen: 174.07 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 93 Resp: 224116
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.4 99.6
 174 104.5 86.8 130.2





#47

Bromodichloromethane

Concen: 156.53 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

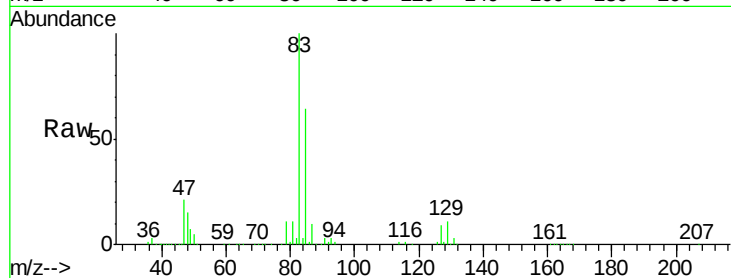
Tgt Ion: 83 Resp: 539591

Ion Ratio Lower Upper

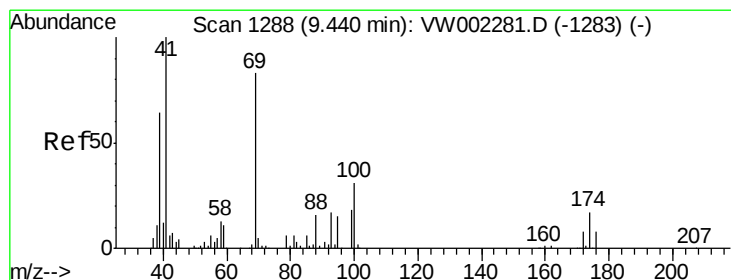
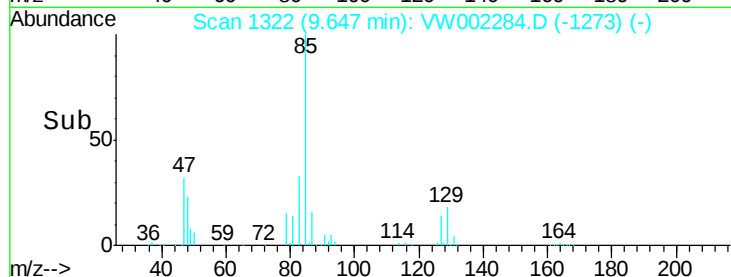
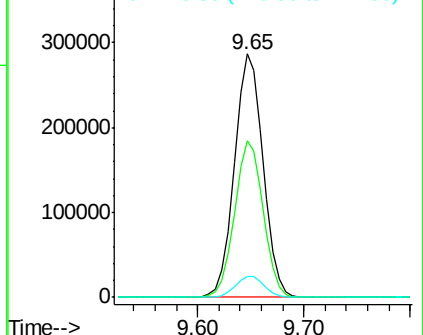
83 100

85 64.0 50.2 75.2

127 8.7 6.9 10.3



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



#48

Methyl methacrylate

Concen: 244.92 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

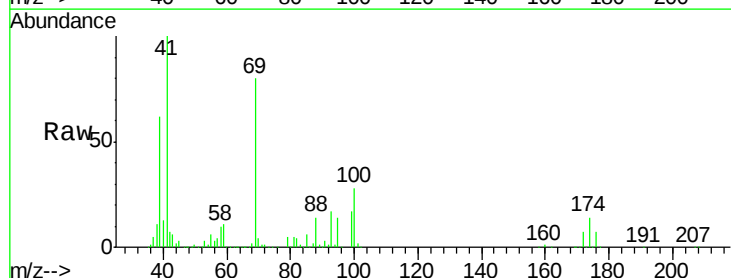
Tgt Ion: 41 Resp: 268488

Ion Ratio Lower Upper

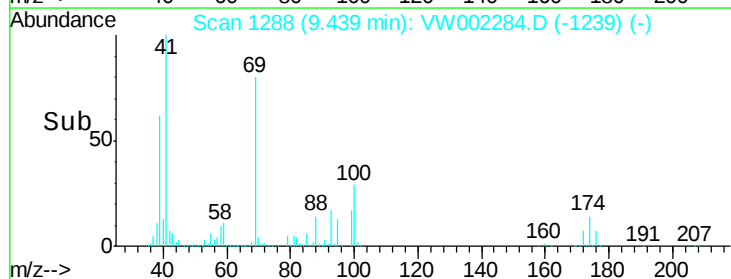
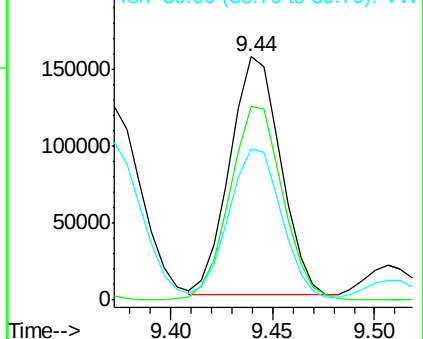
41 100

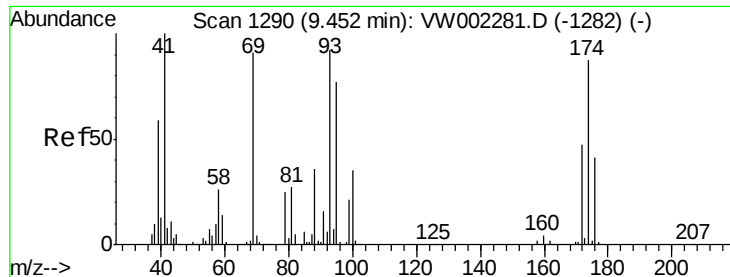
69 85.1 69.9 104.9

39 66.9 54.0 81.0



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

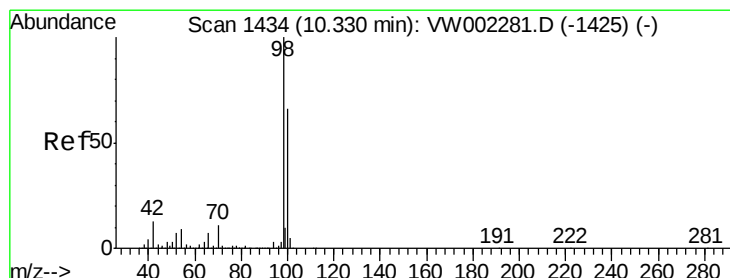
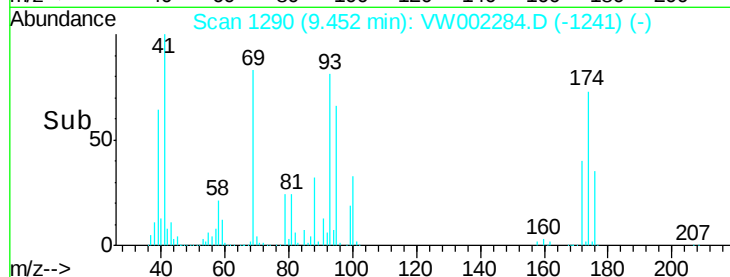
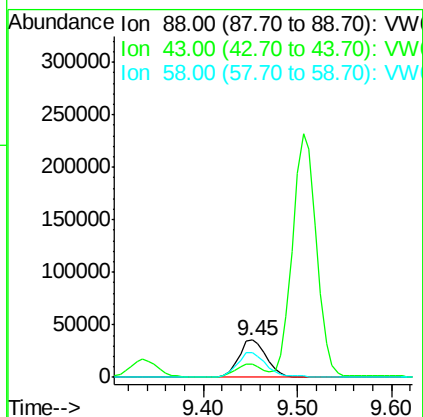
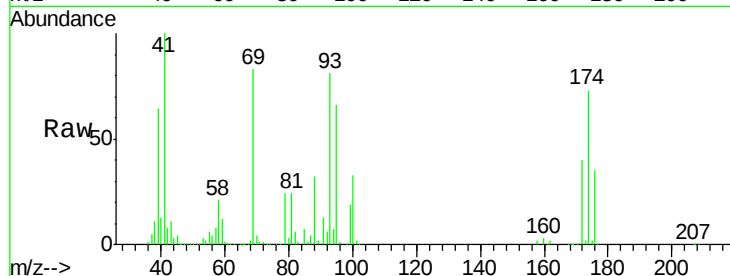




#49
 1,4-Dioxane
 Concen: 3707.65 ug/l
 RT: 9.45 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

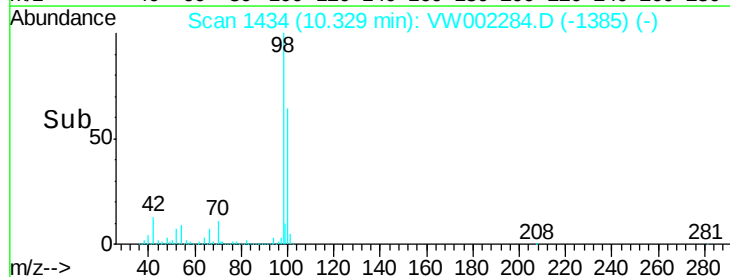
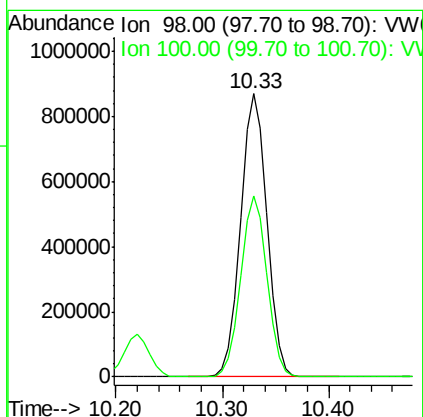
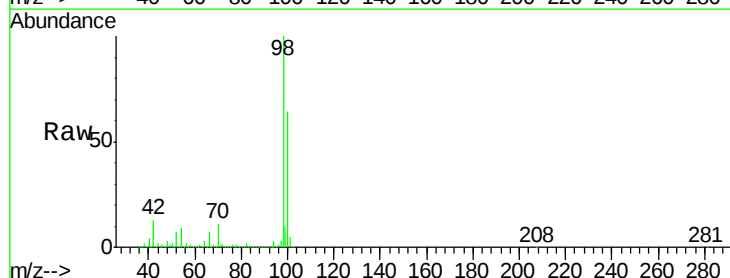
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

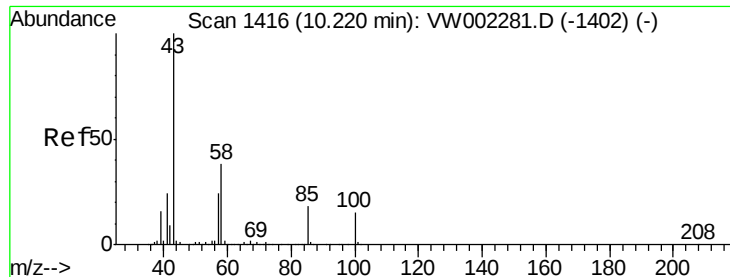
Tgt Ion: 88 Resp: 73269
 Ion Ratio Lower Upper
 88 100
 43 33.0 26.3 39.5
 58 69.2 56.0 84.0



#50
 Toluene-d8
 Concen: 166.01 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 98 Resp: 1509031
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 1311.31 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

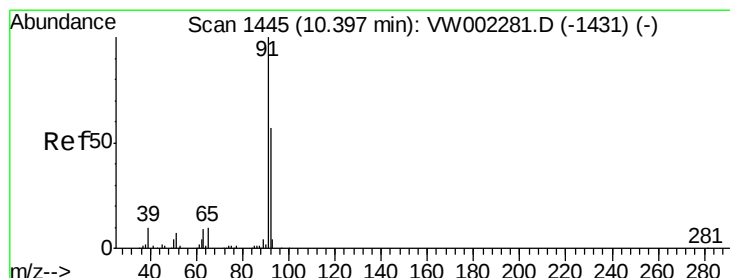
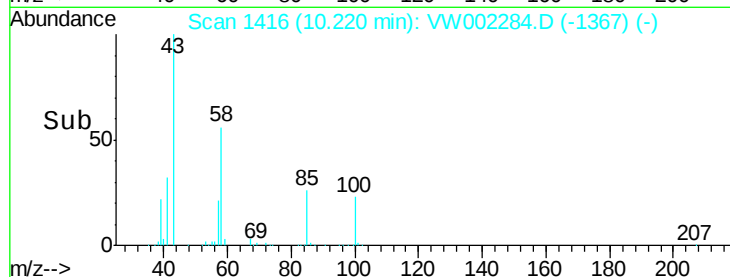
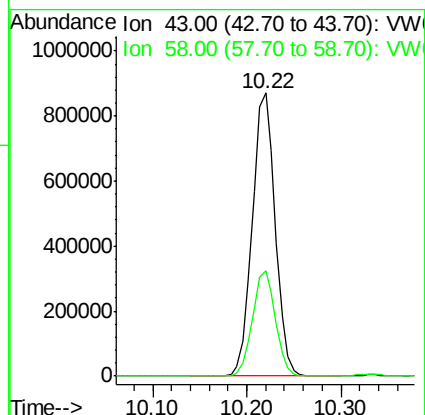
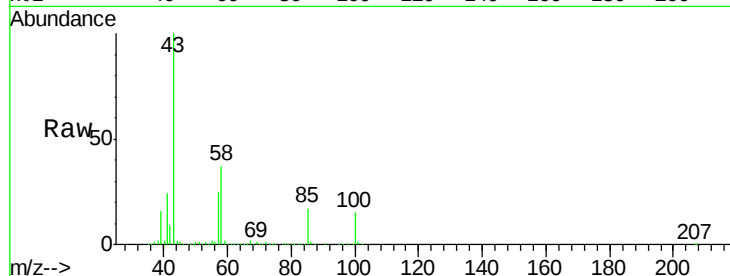
VSTDIC150

Tgt Ion: 43 Resp: 1493030

Ion Ratio Lower Upper

43 100

58 37.3 30.2 45.2



#52

Toluene

Concen: 156.46 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002284.D

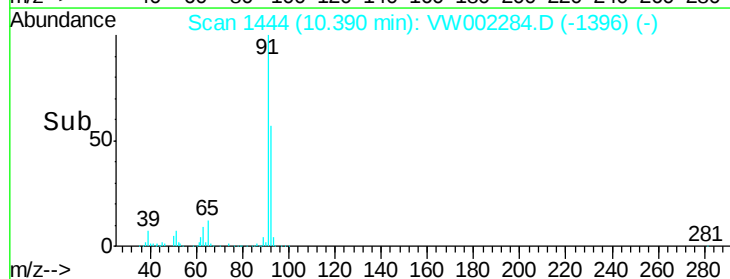
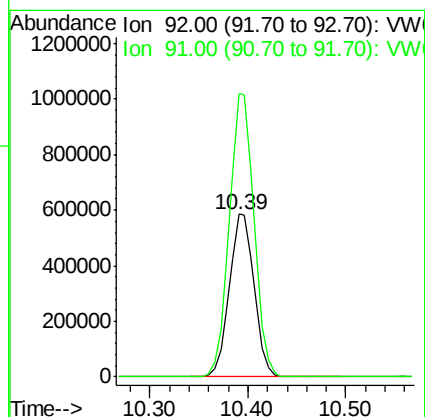
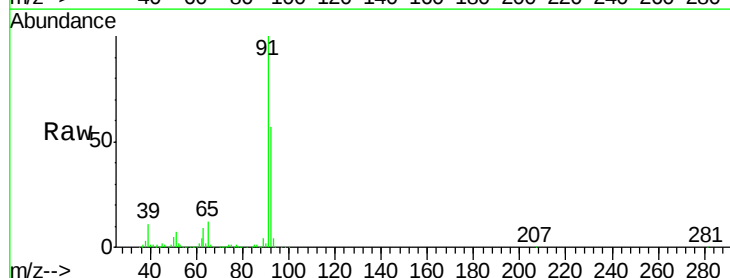
Acq: 08 May 2018 02:16

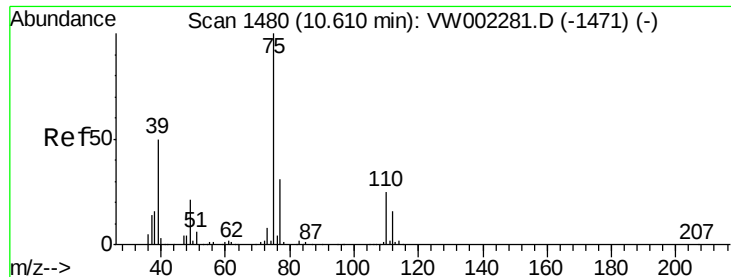
Tgt Ion: 92 Resp: 1023876

Ion Ratio Lower Upper

92 100

91 173.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 178.58 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

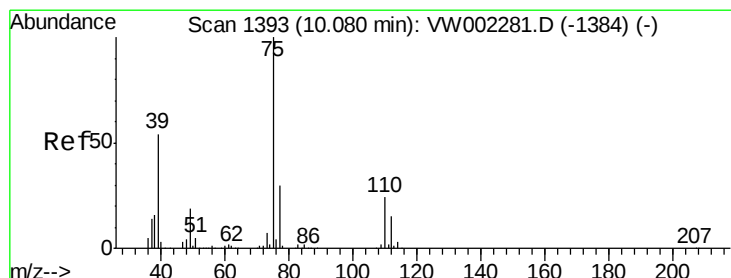
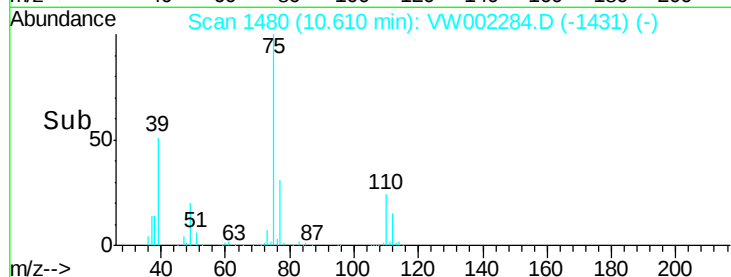
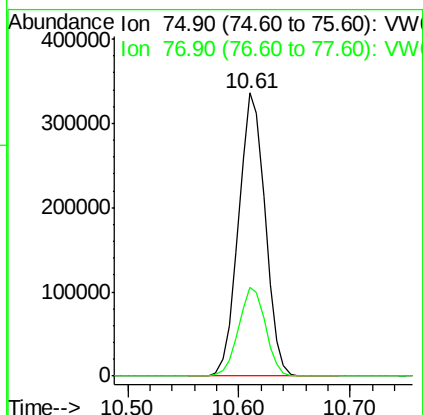
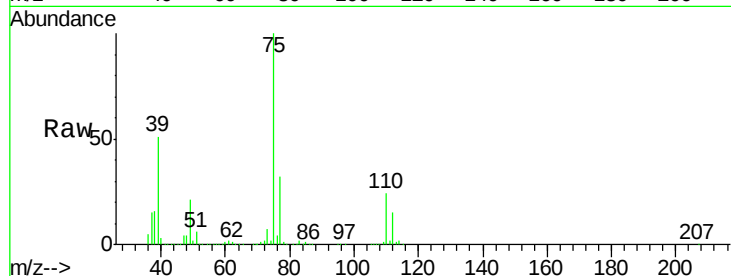
VSTDIC150

Tgt Ion: 75 Resp: 555981

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 171.48 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

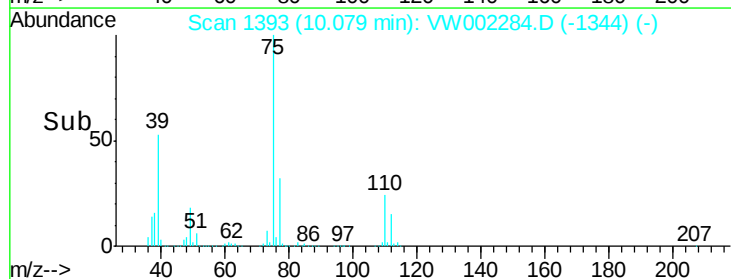
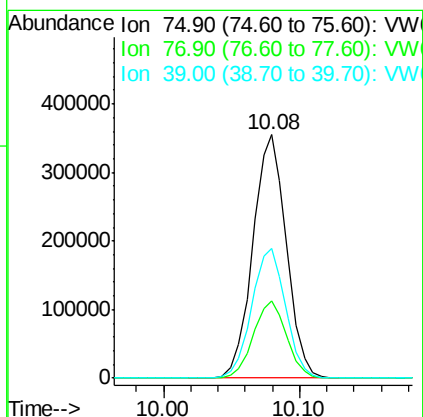
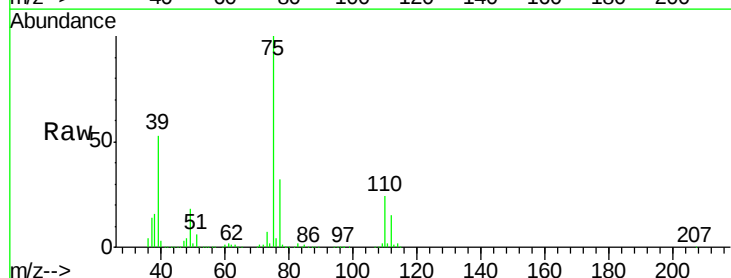
Tgt Ion: 75 Resp: 612140

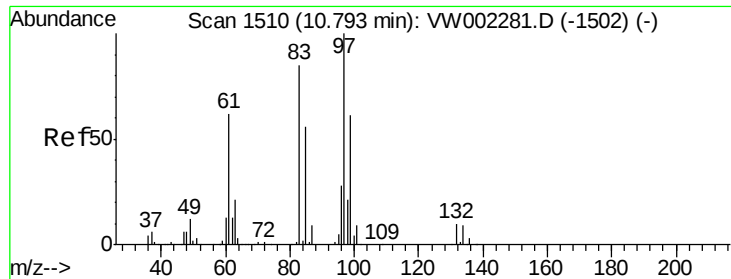
Ion Ratio Lower Upper

75 100

77 31.8 23.9 35.9

39 53.3 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 164.95 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 311666

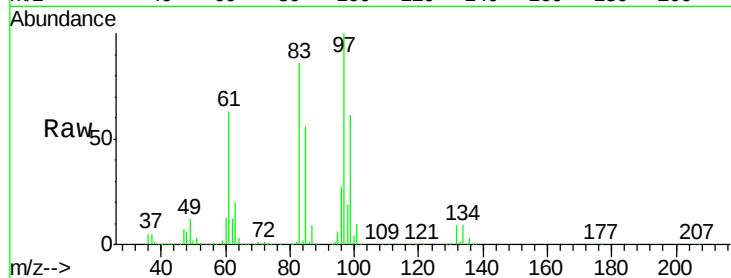
Ion Ratio Lower Upper

97 100

83 86.3 68.4 102.6

85 55.8 44.6 67.0

99 61.2 48.8 73.2

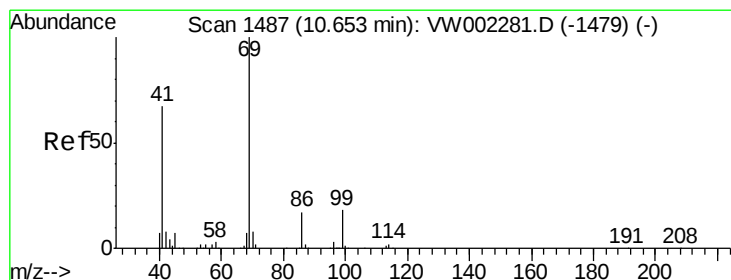
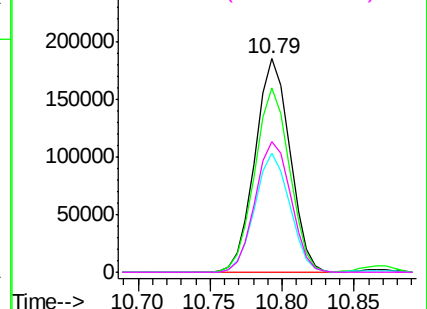
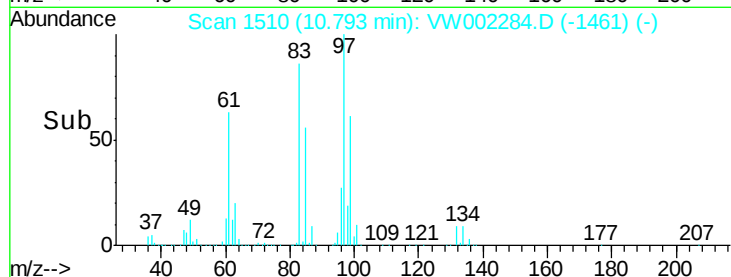


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 221.52 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

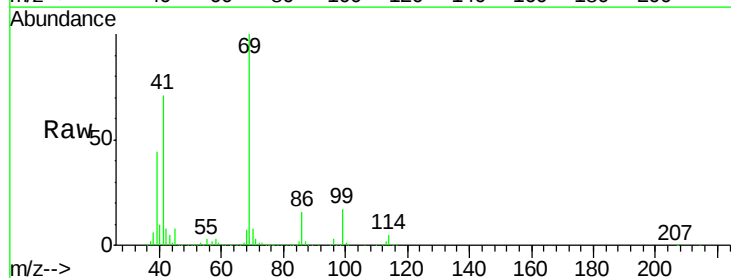
Tgt Ion: 69 Resp: 433034

Ion Ratio Lower Upper

69 100

41 70.4 56.0 84.0

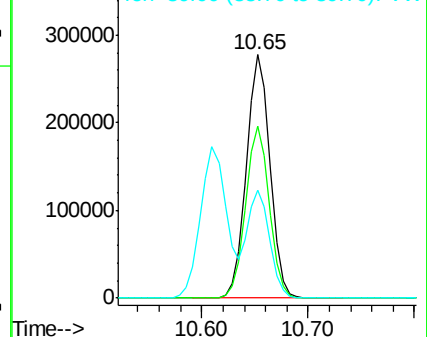
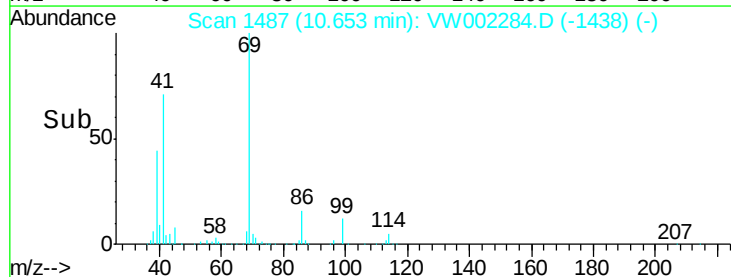
39 41.6 32.7 49.1

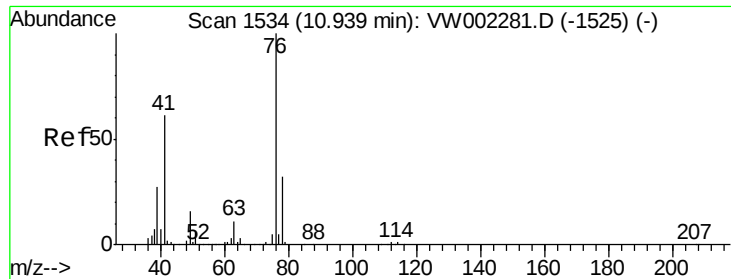


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

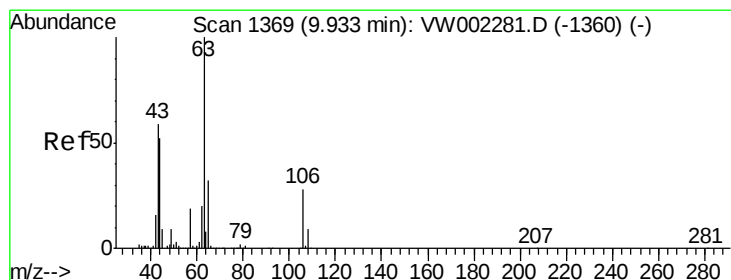
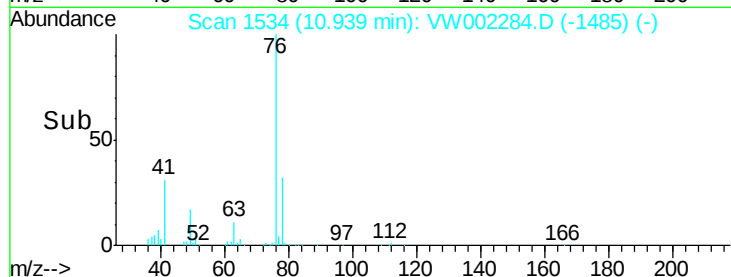
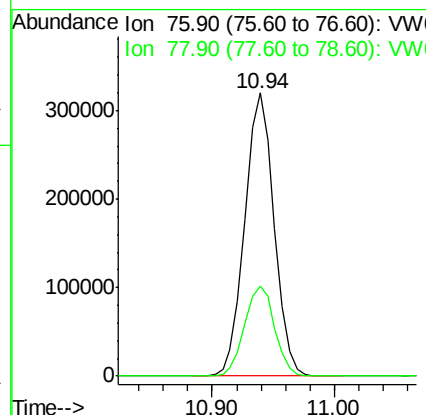
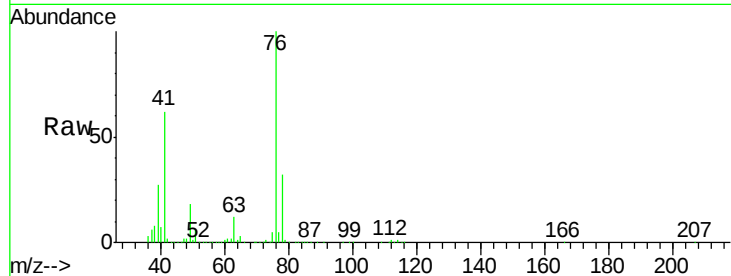




#57
 1,3-Dichloropropane
 Concen: 179.67 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

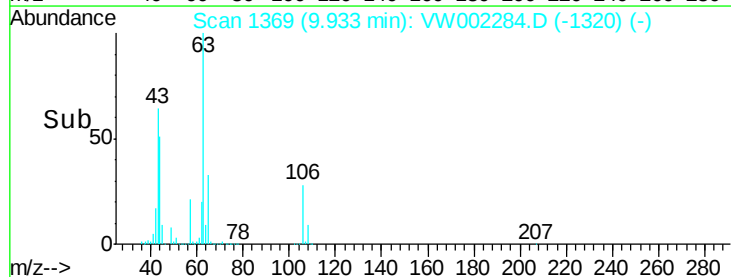
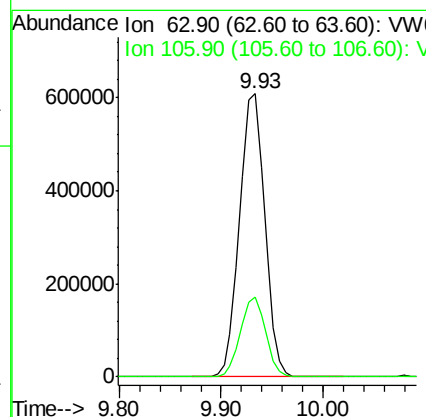
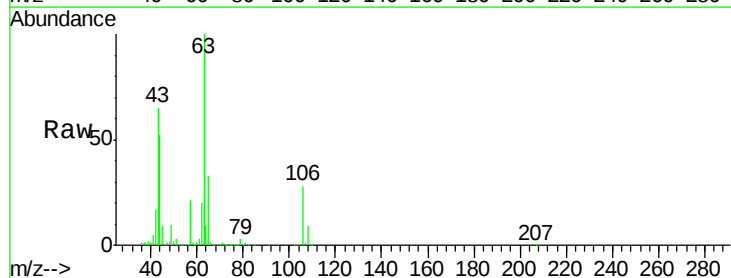
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

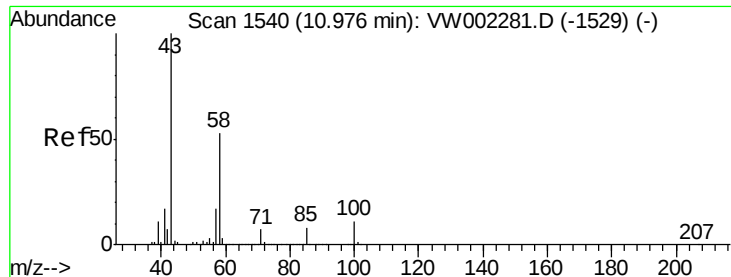
Tgt Ion: 76 Resp: 531744
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 1221.88 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 63 Resp: 1039868
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.5 33.7





#59

2-Hexanone

Concen: 1283.59 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

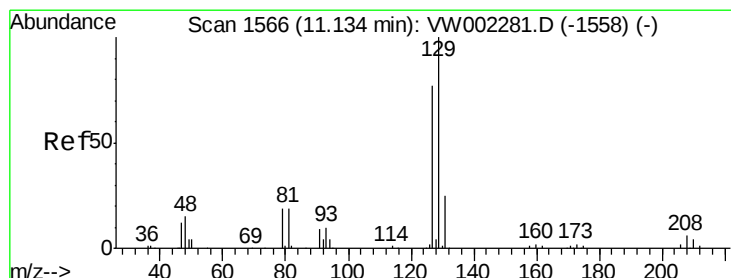
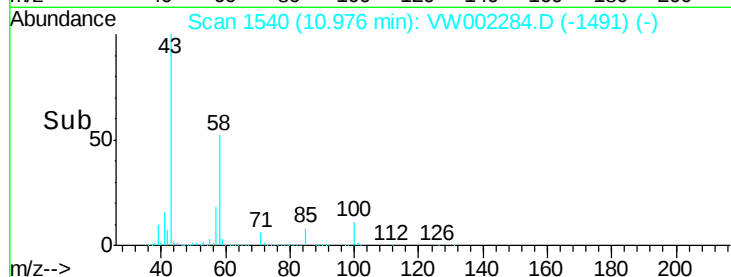
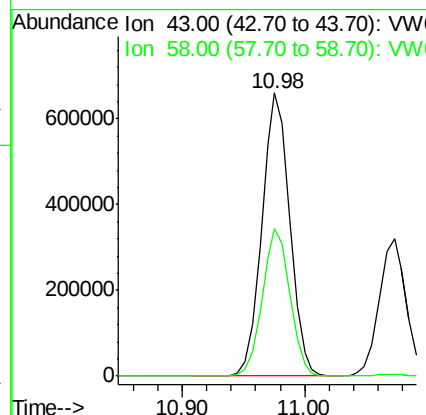
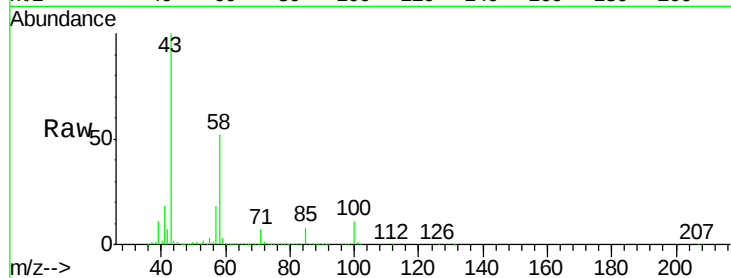
VSTDIC150

Tgt Ion: 43 Resp: 1047727

Ion Ratio Lower Upper

43 100

58 51.7 26.0 78.0



#60

Dibromochloromethane

Concen: 154.99 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW002284.D

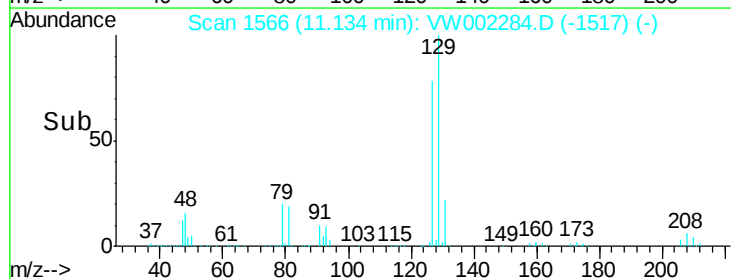
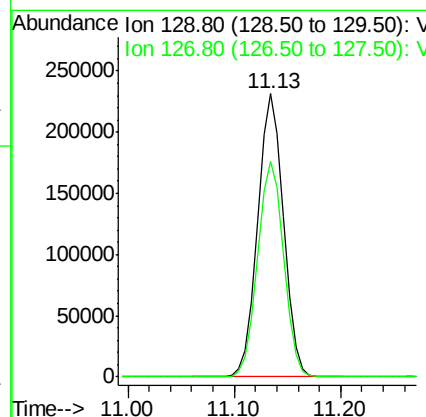
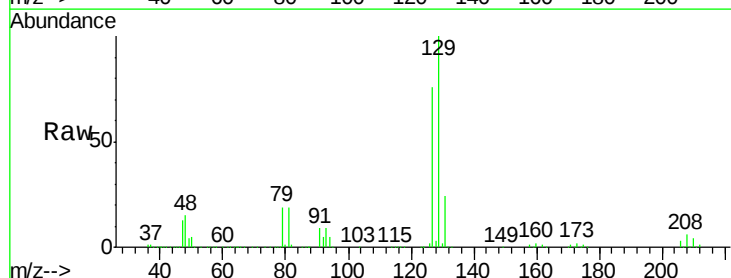
Acq: 08 May 2018 02:16

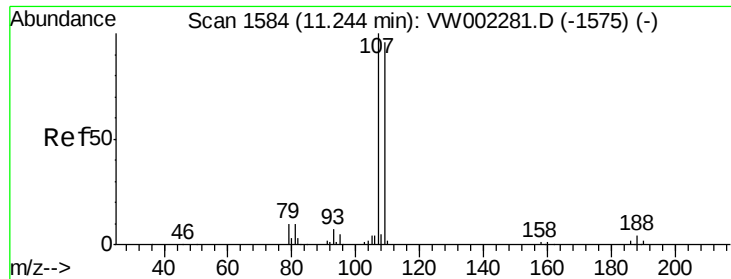
Tgt Ion: 129 Resp: 393979

Ion Ratio Lower Upper

129 100

127 76.8 39.0 116.9

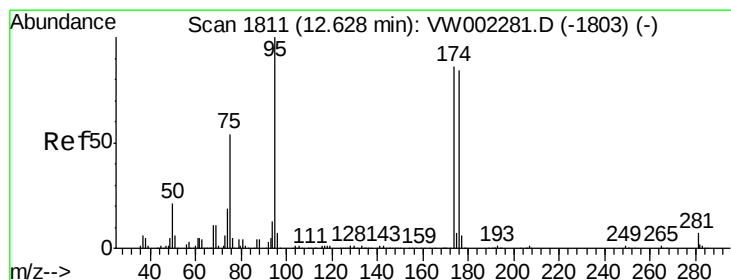
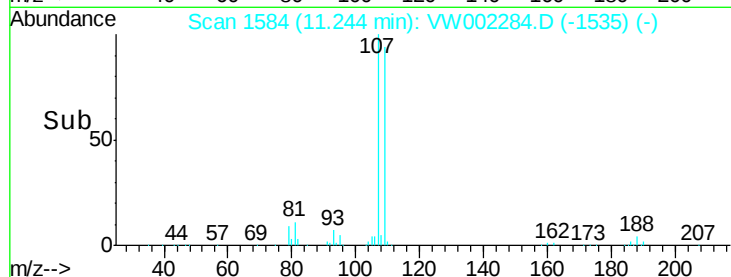
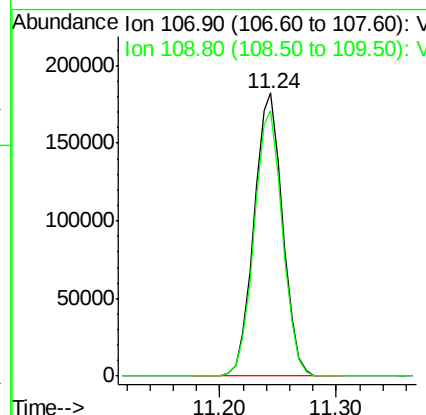
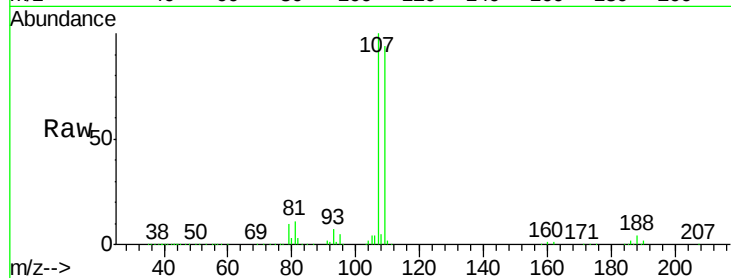




#61
 1,2-Dibromoethane
 Concen: 177.92 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

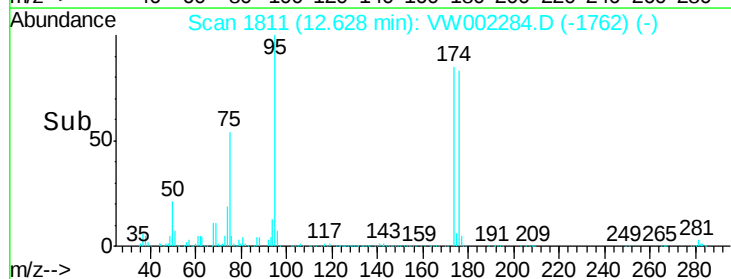
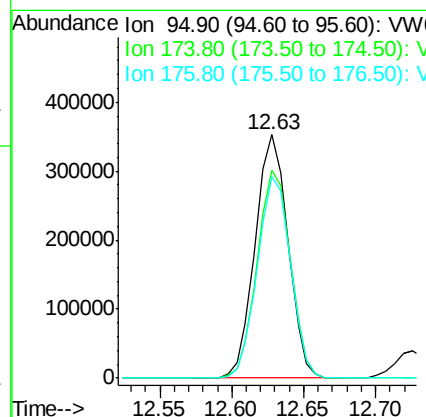
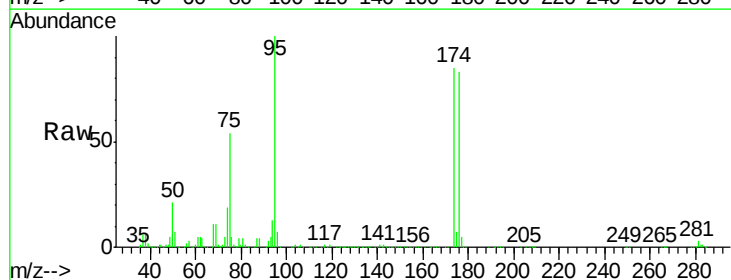
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

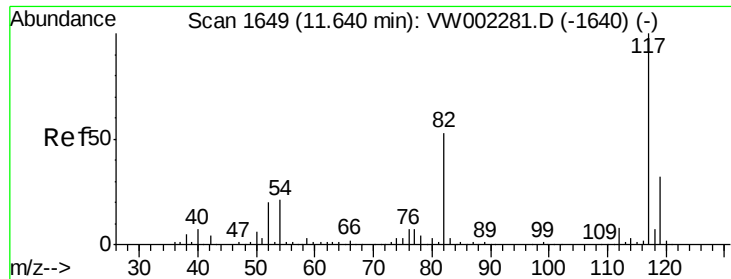
Tgt Ion: 107 Resp: 311706
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 157.46 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion: 95 Resp: 555020
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 176.8
 176 83.8 0.0 170.4

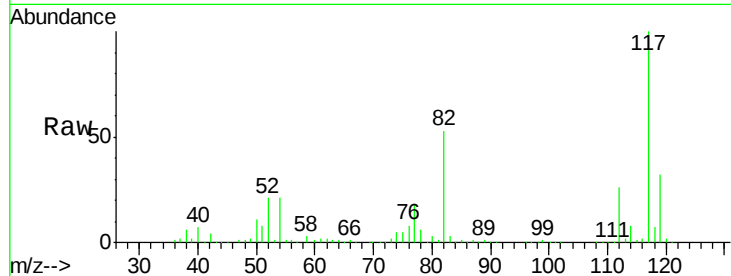




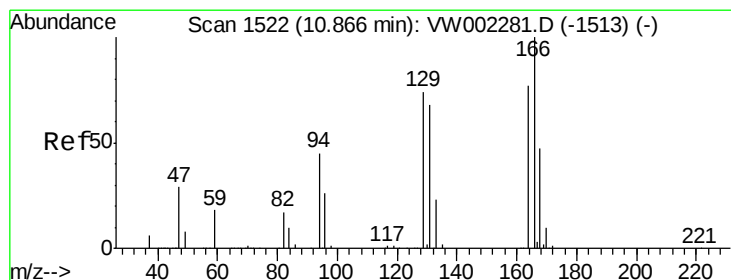
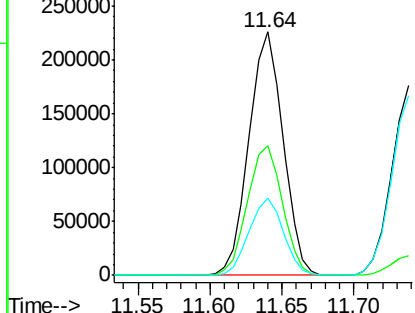
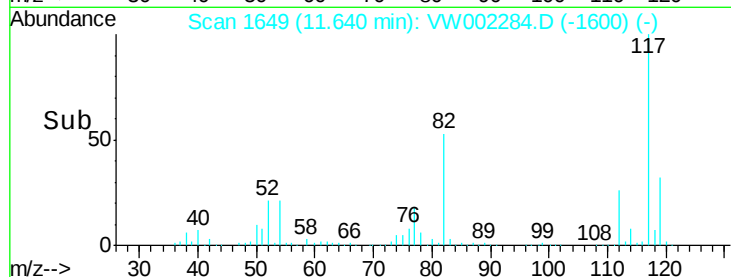
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 370377
Ion Ratio Lower Upper
117 100
82 53.5 42.6 63.8
119 31.9 25.2 37.8

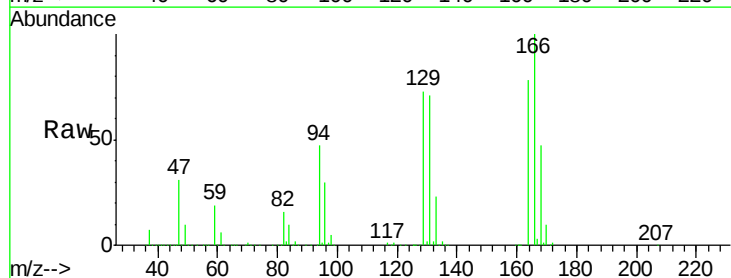


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

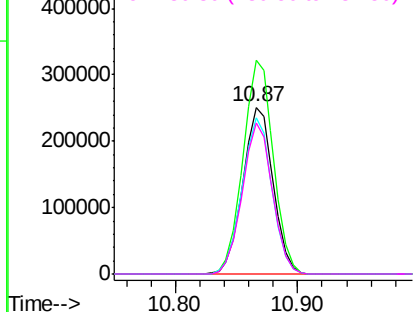
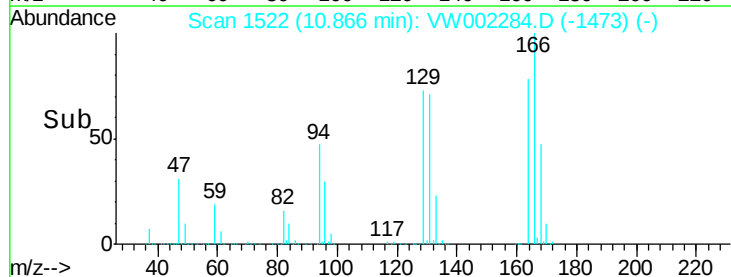


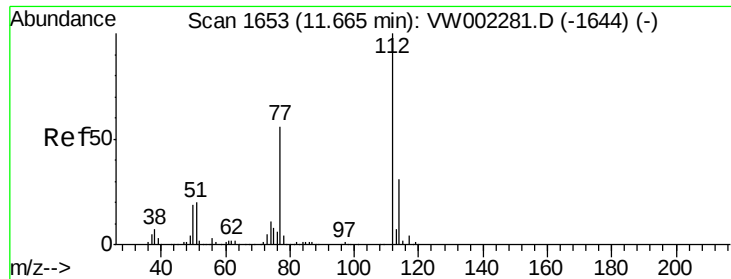
#64
Tetrachloroethene
Concen: 136.89 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion:164 Resp: 431944
Ion Ratio Lower Upper
164 100
166 128.1 103.3 154.9
129 93.3 76.6 114.8
131 90.9 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 145.20 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

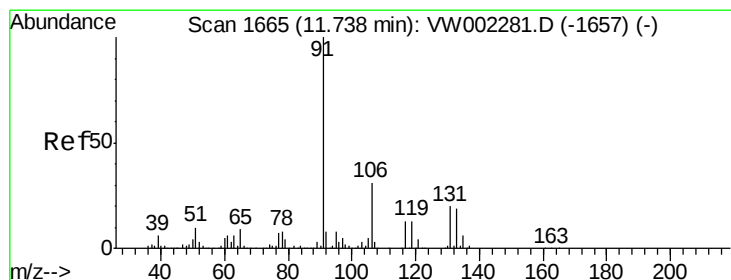
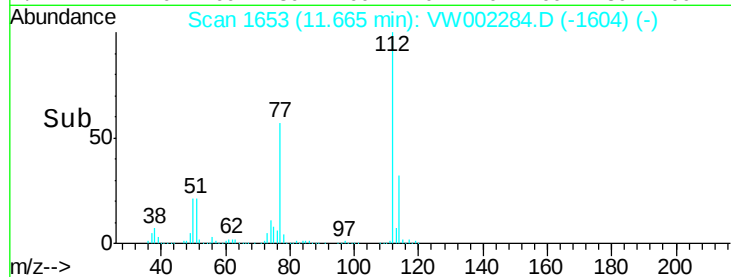
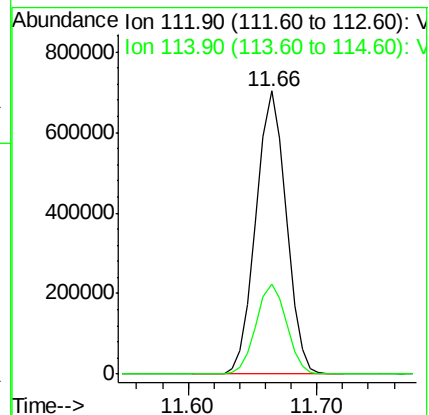
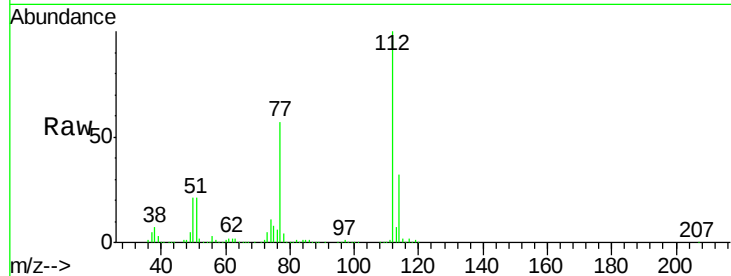
VSTDIC150

Tgt Ion:112 Resp: 1142410

Ion Ratio Lower Upper

112 100

114 32.0 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 142.62 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

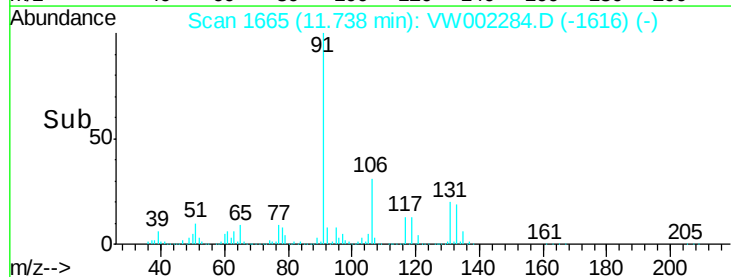
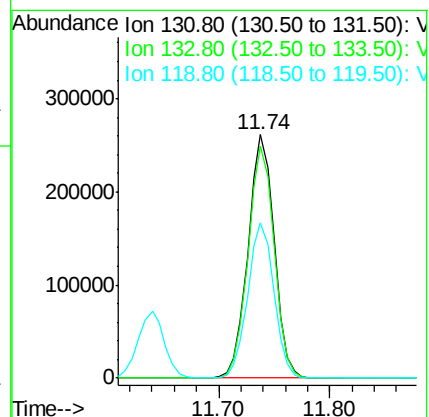
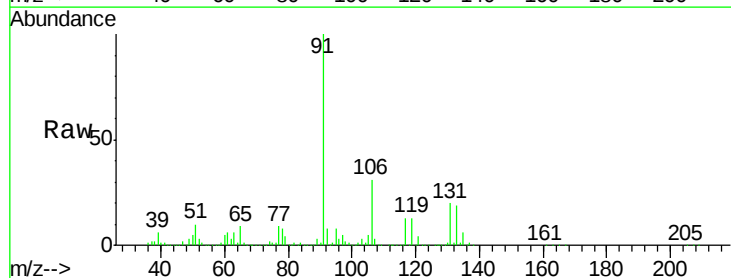
Tgt Ion:131 Resp: 425323

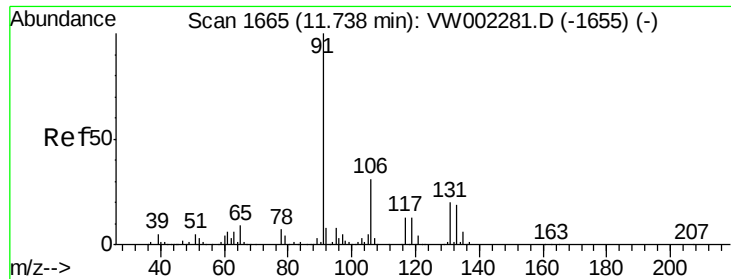
Ion Ratio Lower Upper

131 100

133 95.2 47.8 143.3

119 64.2 32.0 96.0

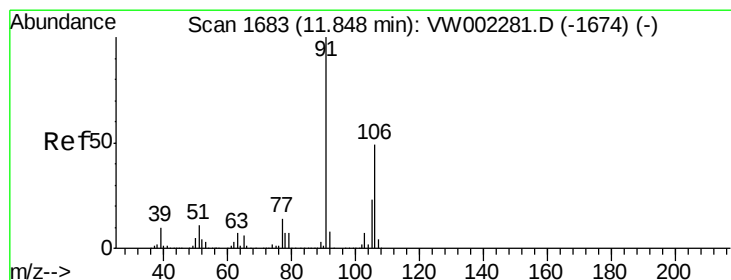
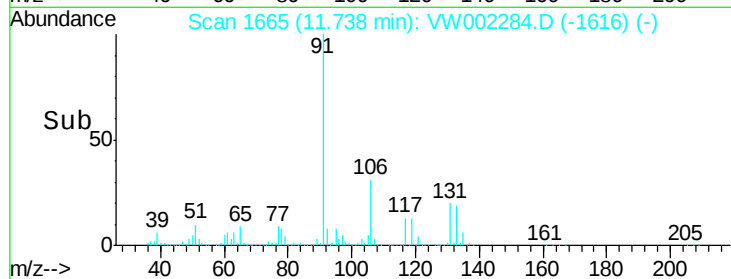
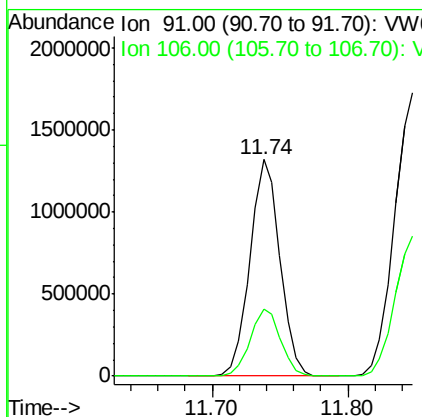
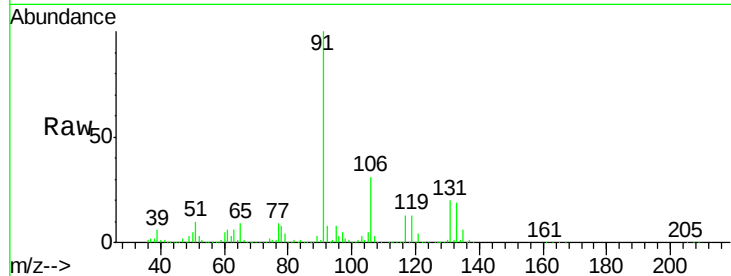




#67
Ethyl Benzene
Concen: 158.91 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

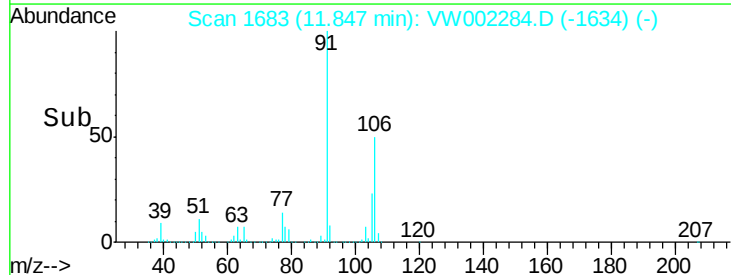
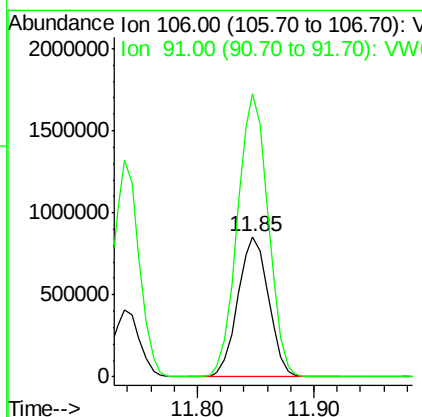
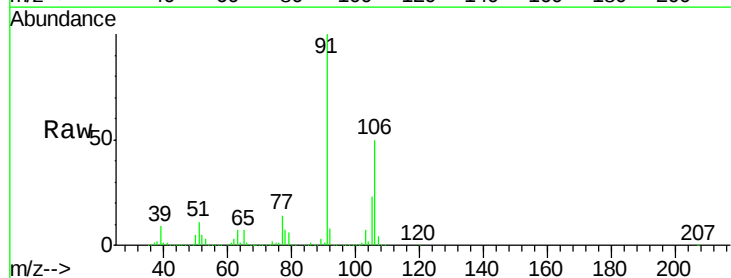
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

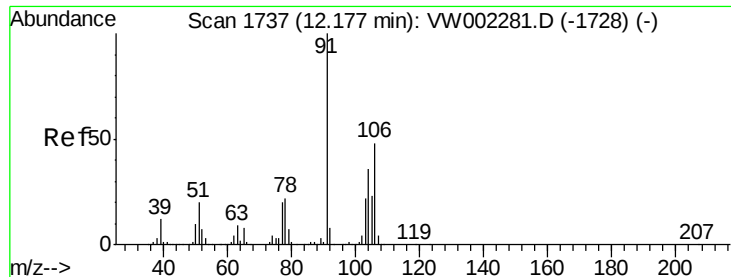
Tgt Ion: 91 Resp: 2041216
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 304.19 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion: 106 Resp: 1572694
Ion Ratio Lower Upper
106 100
91 201.9 161.4 242.0

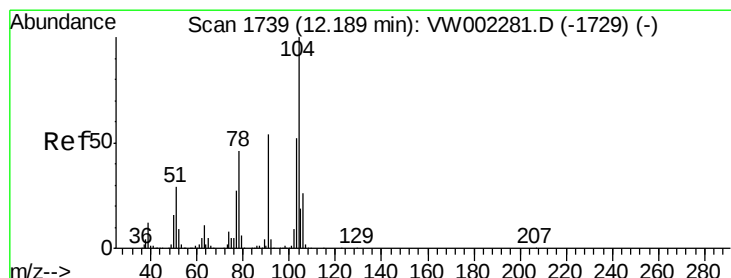
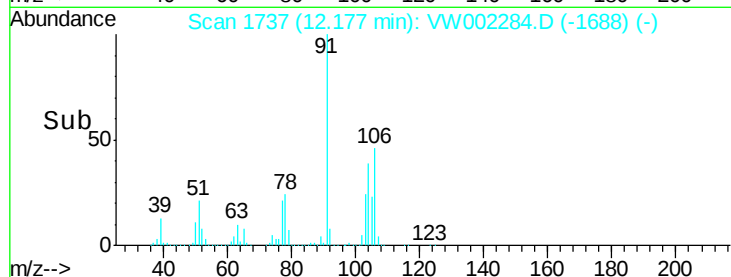
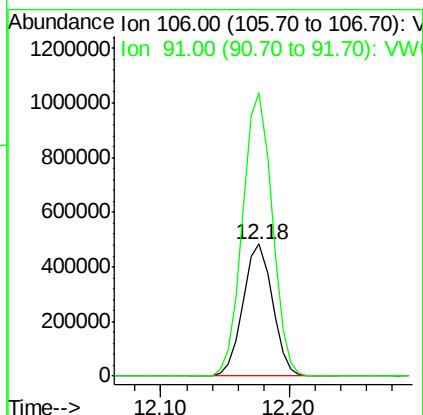
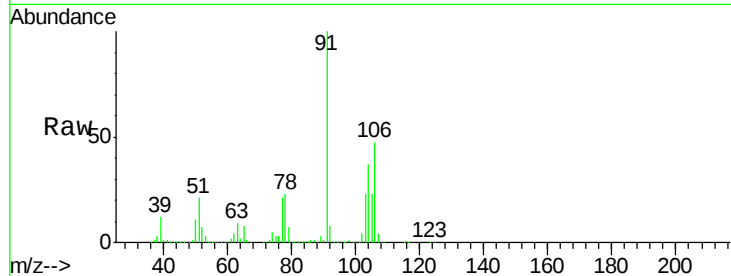




#69
o-Xylene
Concen: 164.30 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

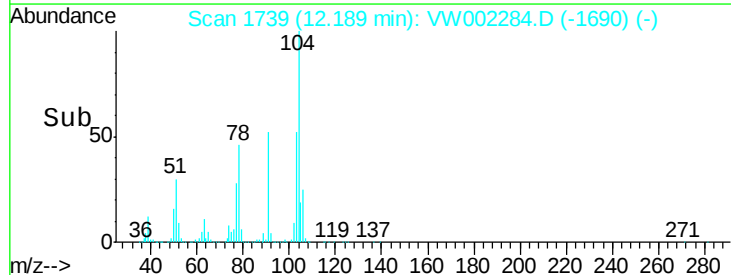
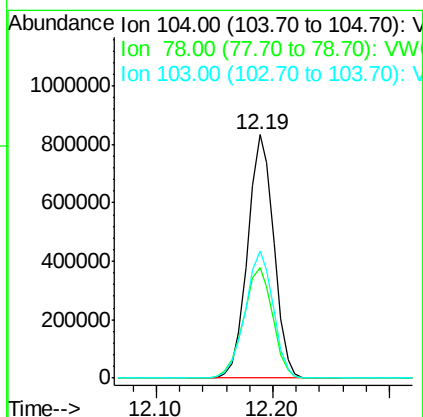
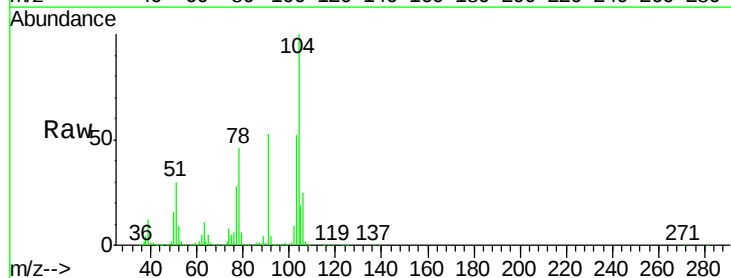
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

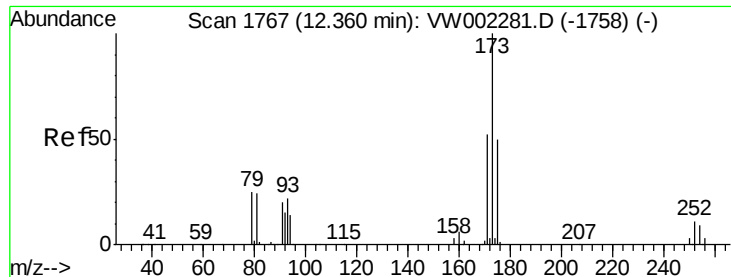
Tgt Ion:106 Resp: 764653
Ion Ratio Lower Upper
106 100
91 215.0 107.1 321.1



#70
Styrene
Concen: 168.96 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion:104 Resp: 1309332
Ion Ratio Lower Upper
104 100
78 50.4 39.6 59.4
103 55.8 44.4 66.6

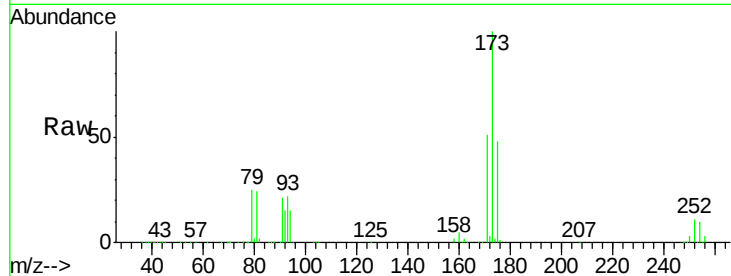




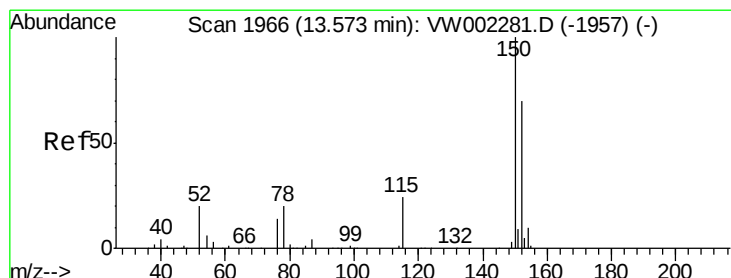
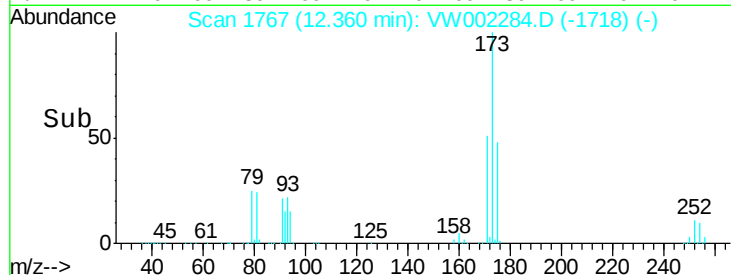
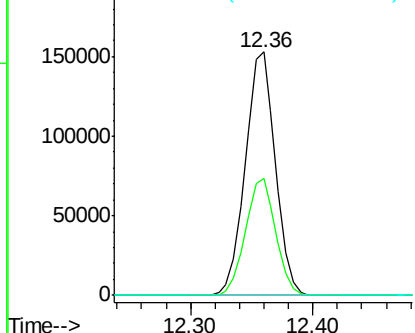
#71
Bromoform
Concen: 158.56 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:173 Resp: 260284
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.9
254 0.2 0.1 0.1#

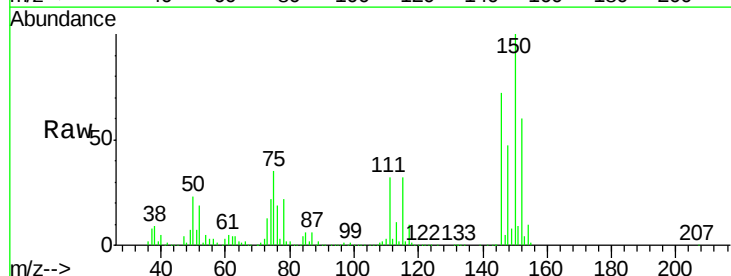


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

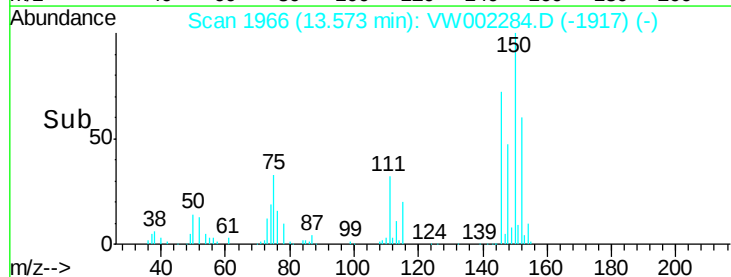
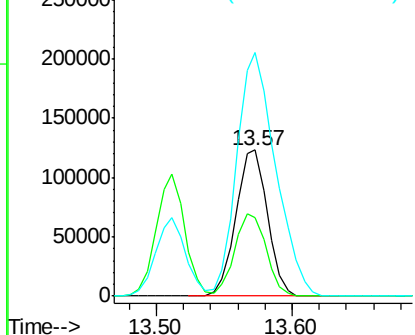


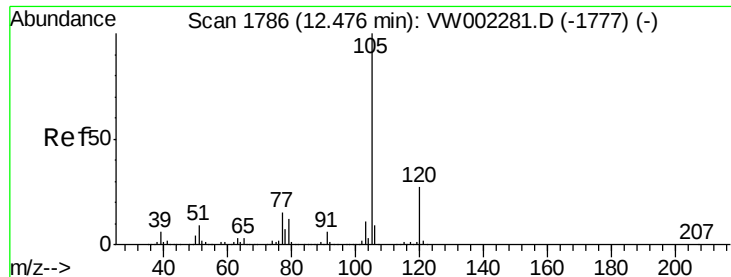
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion:152 Resp: 198152
Ion Ratio Lower Upper
152 100
115 56.1 28.5 85.5
150 206.2 0.0 342.6



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: 170.55 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

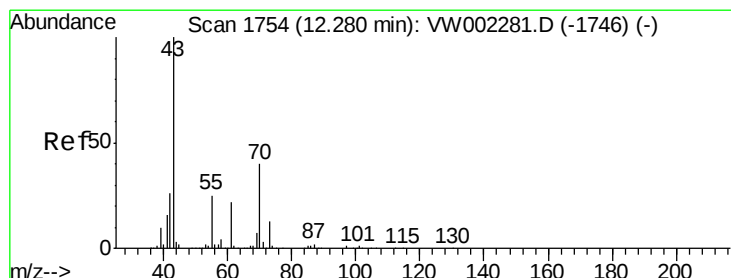
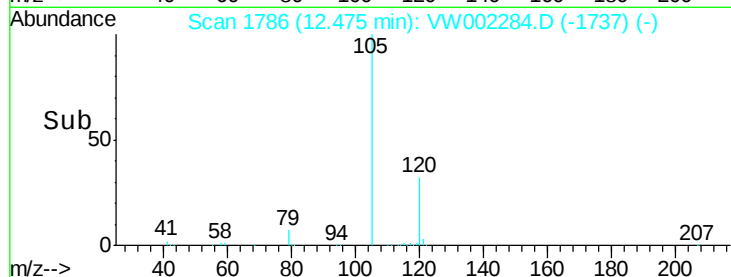
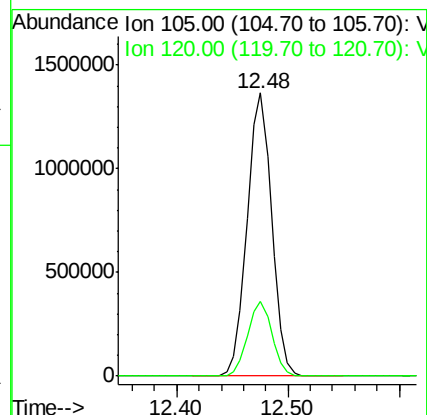
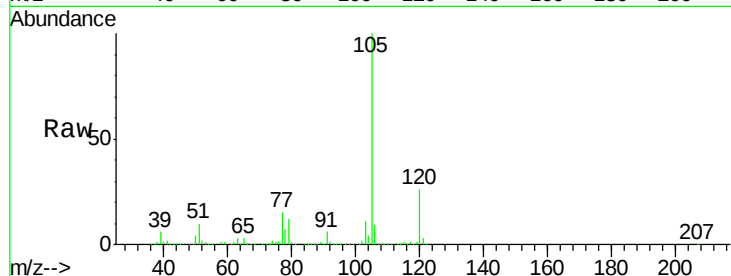
VSTDIC150

Tgt Ion:105 Resp: 2090401

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#74

N-ethyl acetate

Concen: 287.05 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Tgt Ion: 43 Resp: 570077

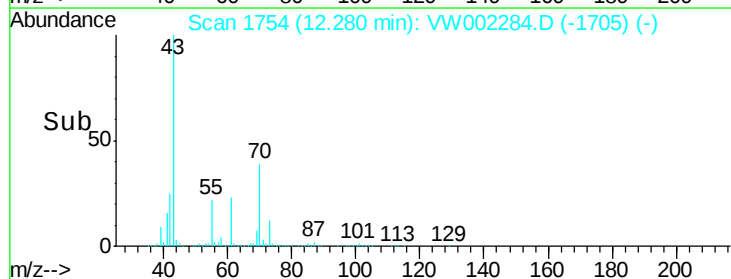
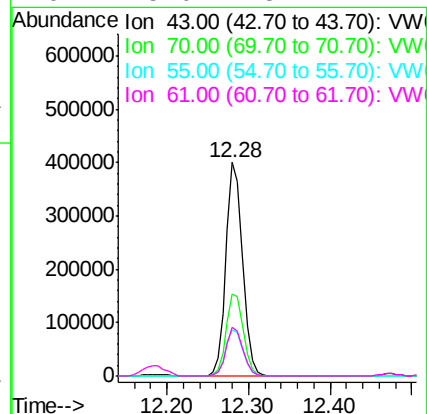
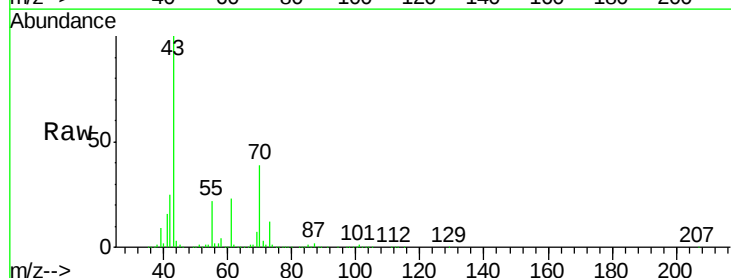
Ion Ratio Lower Upper

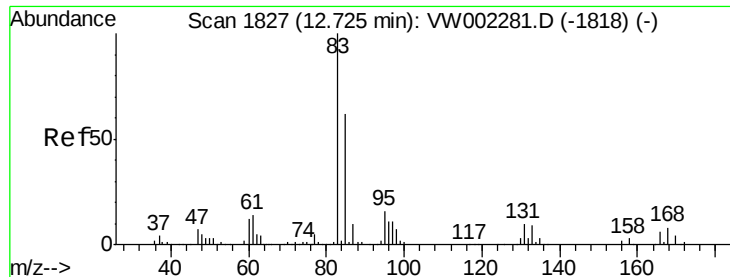
43 100

70 39.5 31.9 47.9

55 22.6 19.9 29.9

61 23.0 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 206.67 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

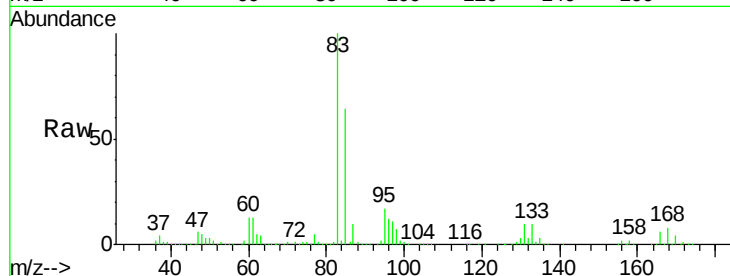
Tgt Ion: 83 Resp: 385753

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.5

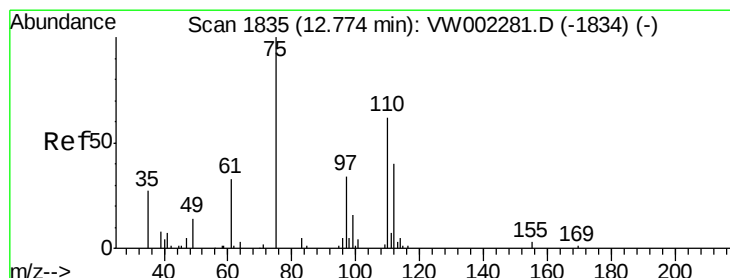
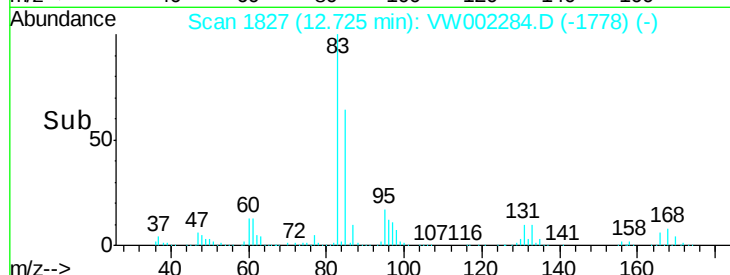
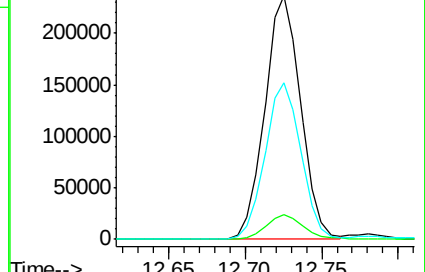
85 64.4 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 386.23 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW002284.D

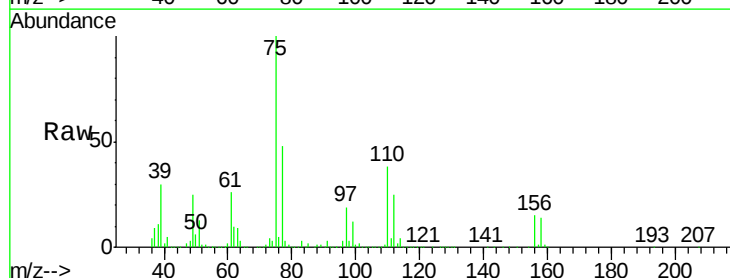
Acq: 08 May 2018 02:16

Tgt Ion: 75 Resp: 518032

Ion Ratio Lower Upper

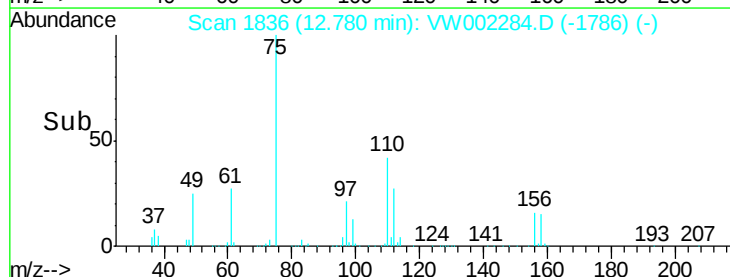
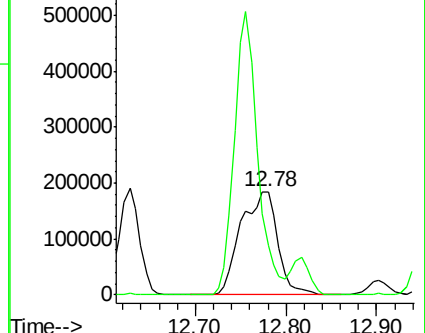
75 100

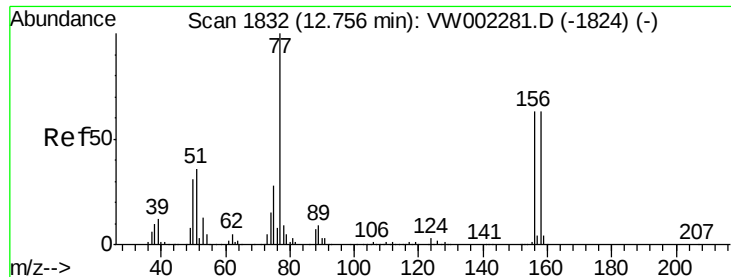
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 155.56 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

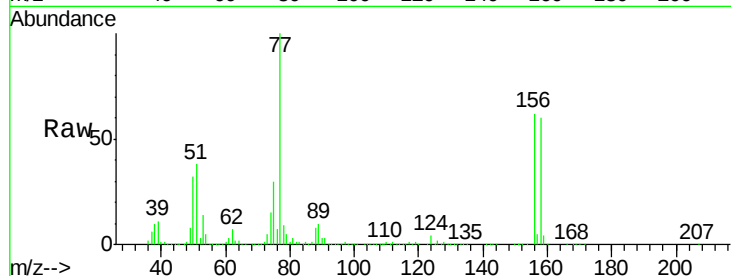
Tgt Ion:156 Resp: 498788

Ion Ratio Lower Upper

156 100

77 182.2 87.7 263.1

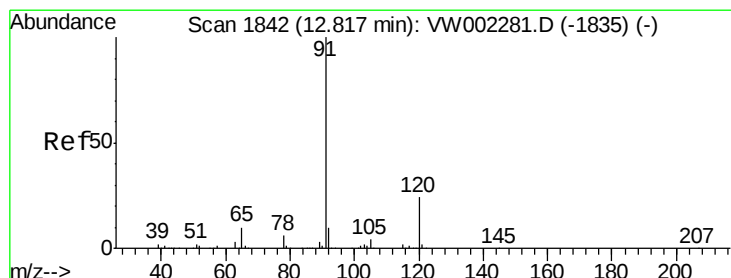
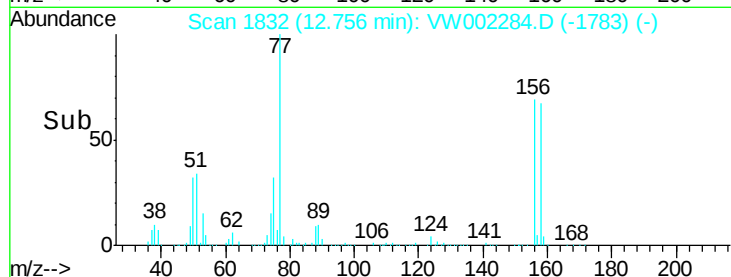
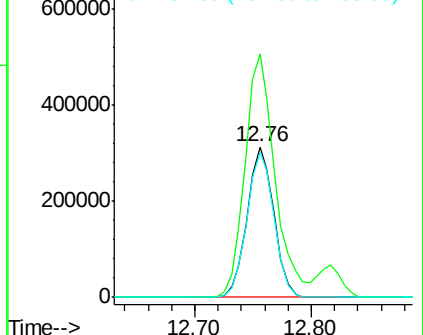
158 97.6 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 169.83 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002284.D

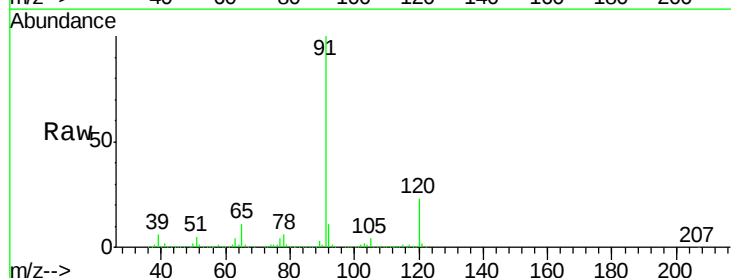
Acq: 08 May 2018 02:16

Tgt Ion: 91 Resp: 2433435

Ion Ratio Lower Upper

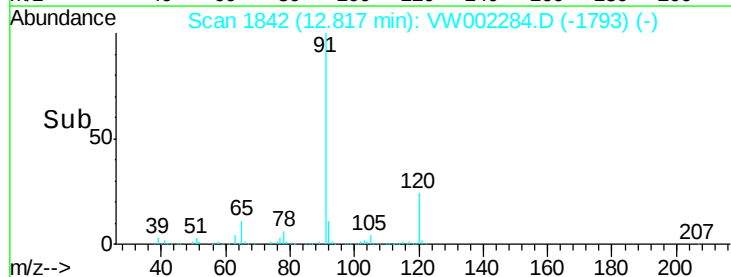
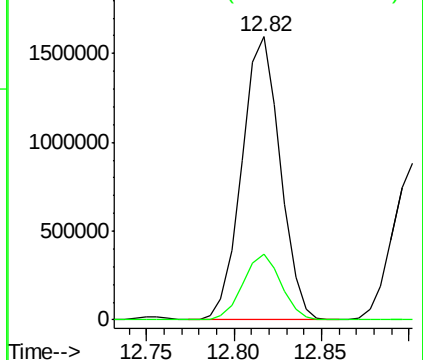
91 100

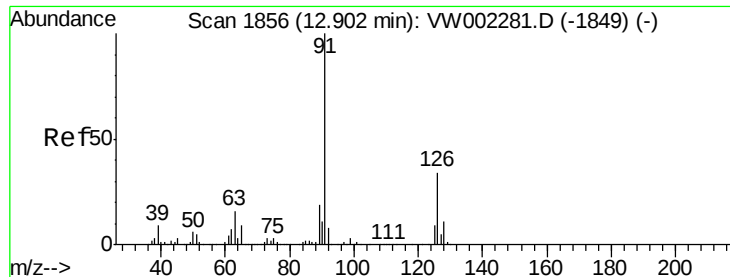
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 164.92 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

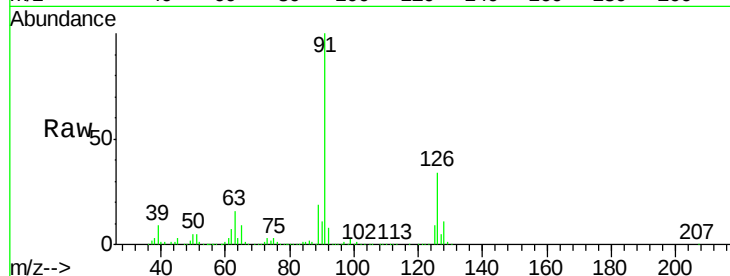
VSTDIC150

Tgt Ion: 91 Resp: 1387587

Ion Ratio Lower Upper

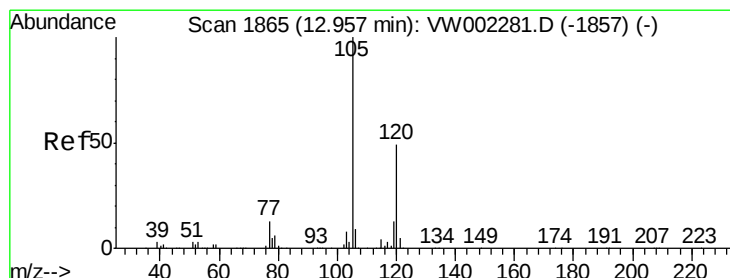
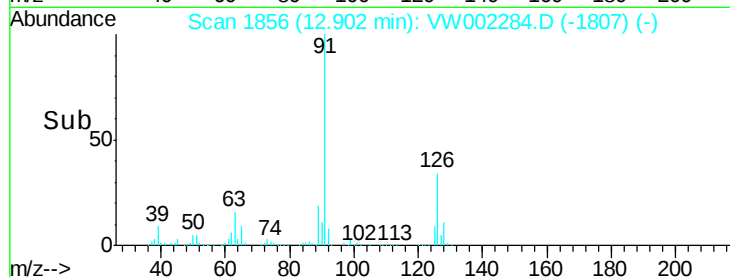
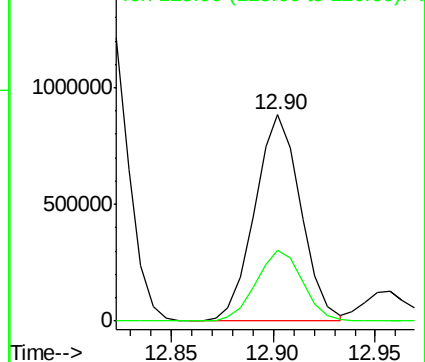
91 100

126 34.7 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 160.72 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002284.D

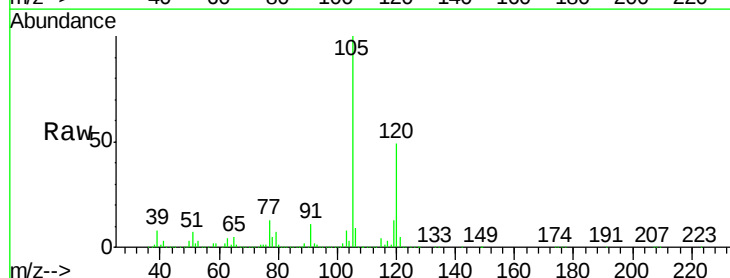
Acq: 08 May 2018 02:16

Tgt Ion: 105 Resp: 1719495

Ion Ratio Lower Upper

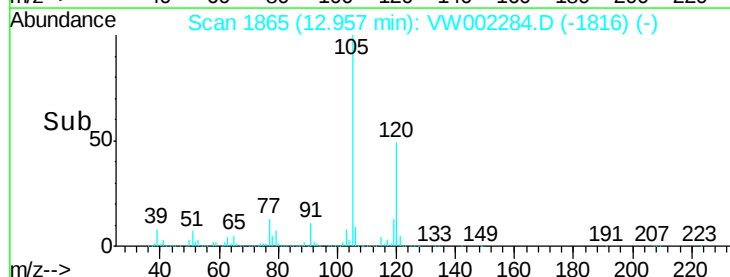
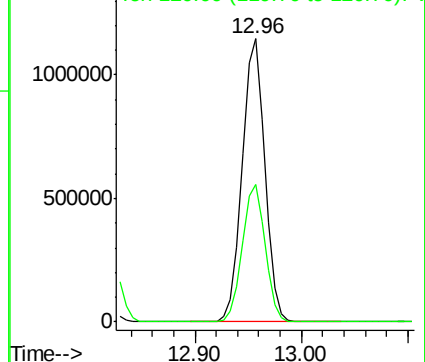
105 100

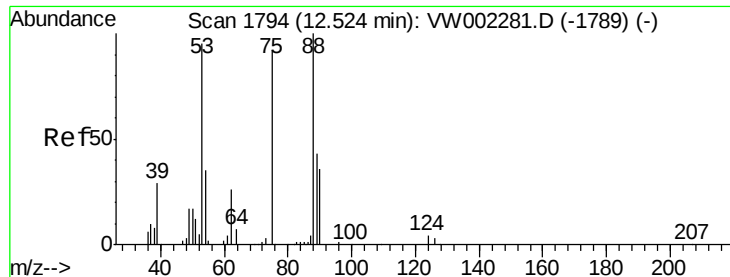
120 48.9 24.6 74.0



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: 236.14 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

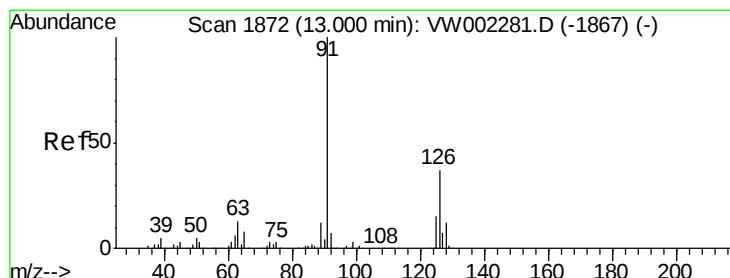
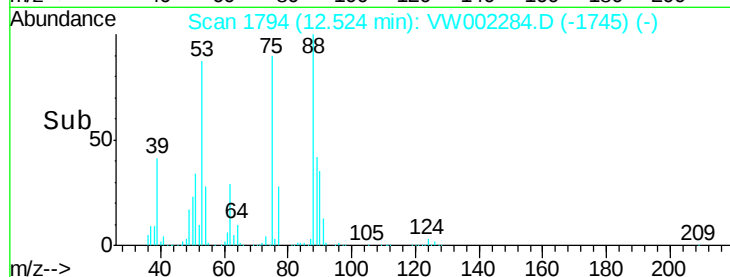
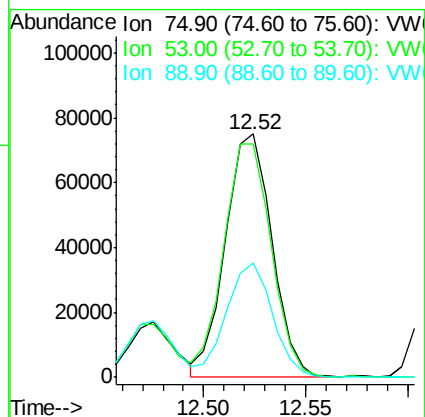
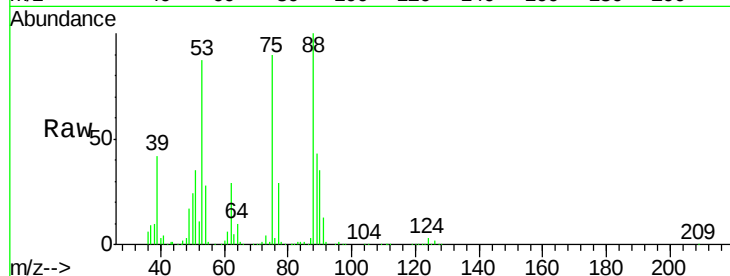
Tgt Ion: 75 Resp: 117859

Ion Ratio Lower Upper

75 100

53 98.3 79.9 119.9

89 47.3 37.6 56.4



#82

4-Chlorotoluene

Concen: 156.31 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002284.D

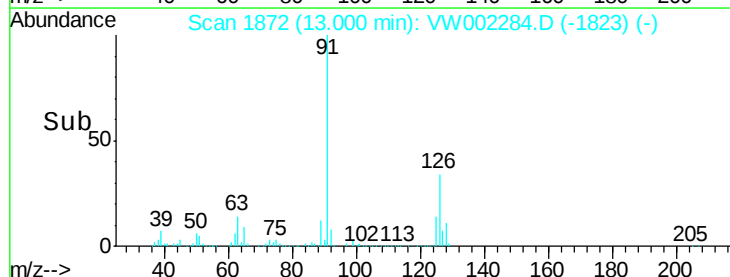
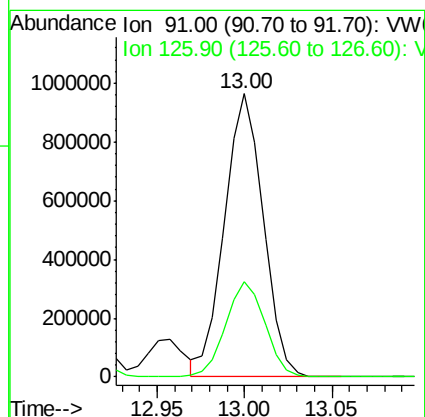
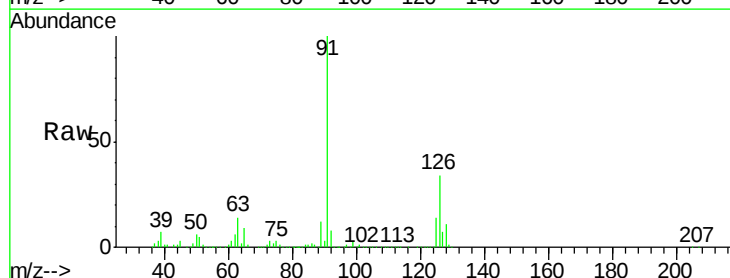
Acq: 08 May 2018 02:16

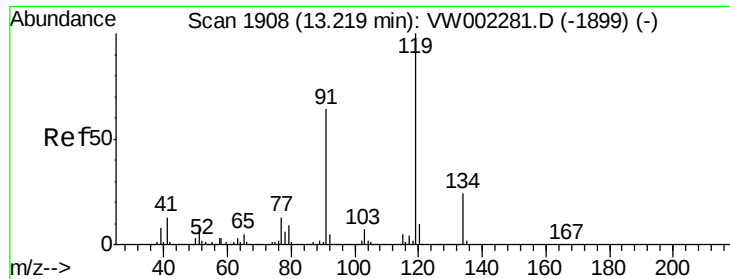
Tgt Ion: 91 Resp: 1483746

Ion Ratio Lower Upper

91 100

126 34.0 17.4 52.3

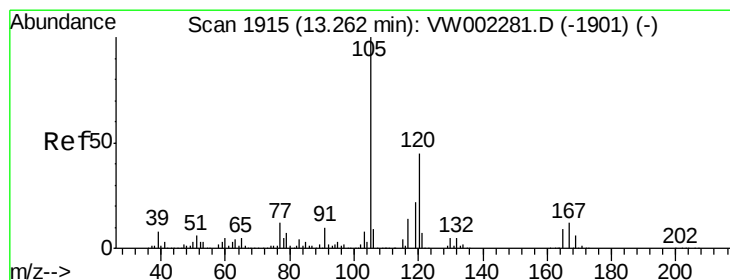
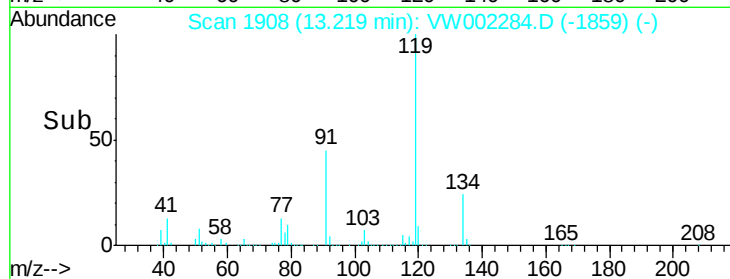
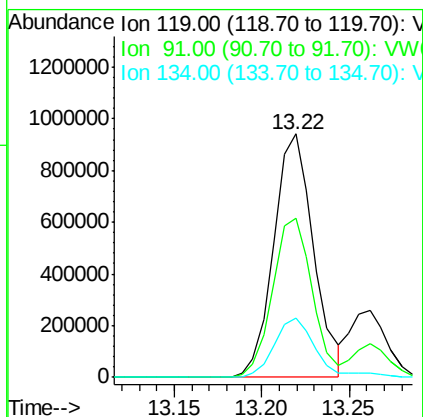
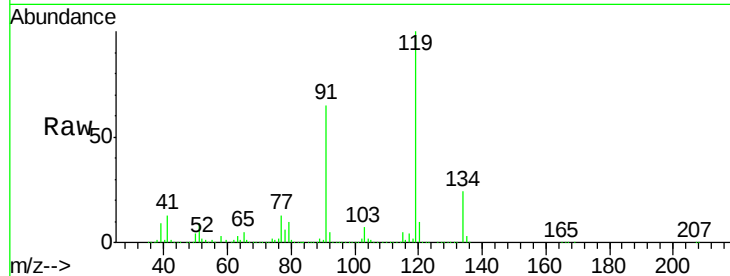




#83
 tert-Butylbenzene
 Concen: 159.42 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

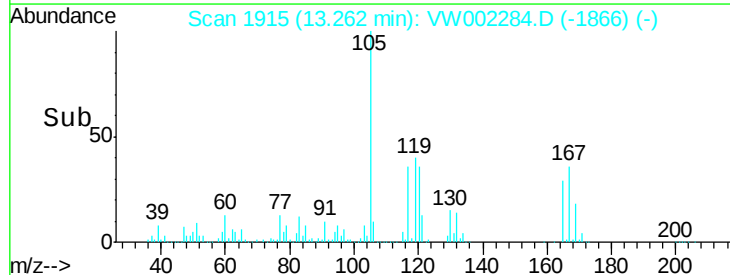
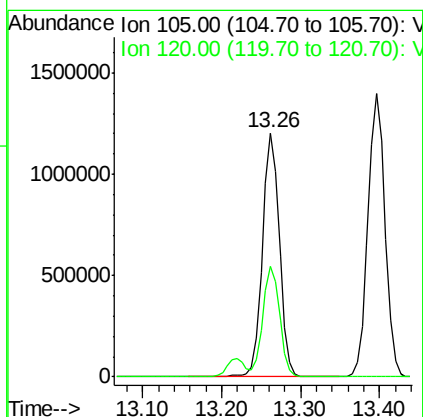
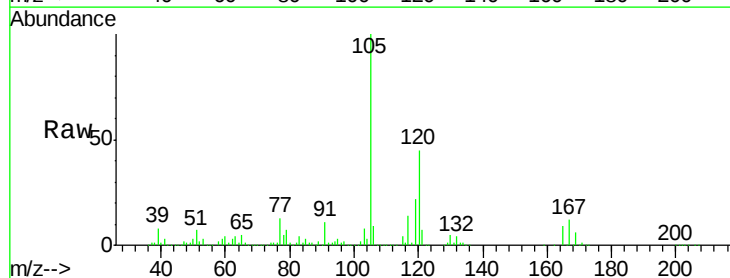
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

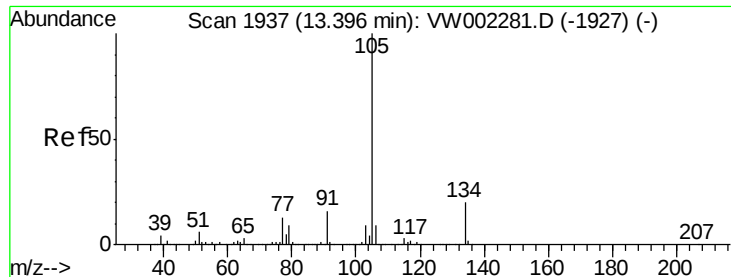
Tgt Ion:119 Resp: 1497226
 Ion Ratio Lower Upper
 119 100
 91 64.9 31.6 94.8
 134 25.5 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 163.08 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion:105 Resp: 1793399
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.5 67.5

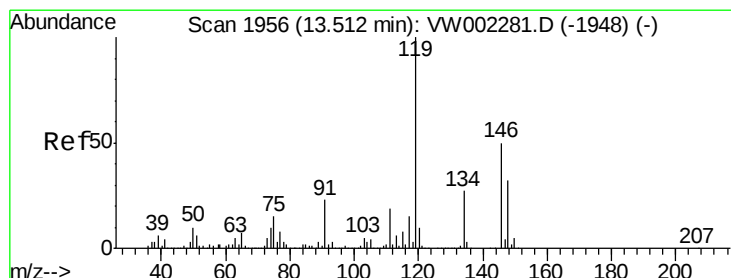
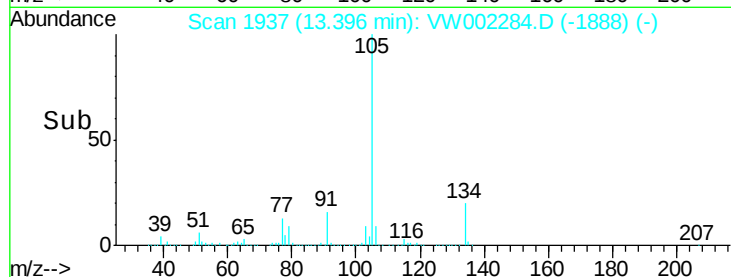
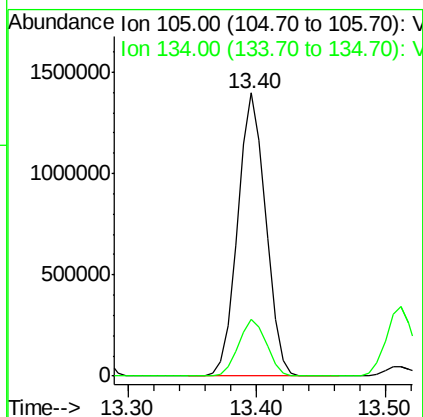
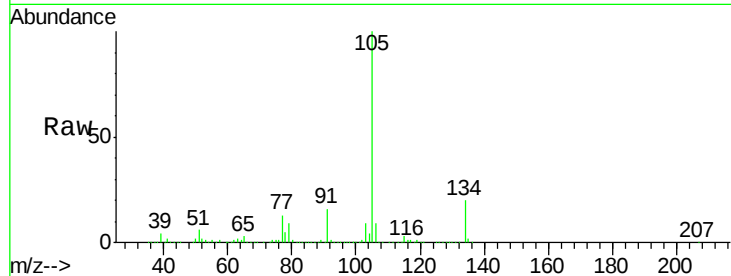




#85
 sec-Butylbenzene
 Concen: 161.17 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

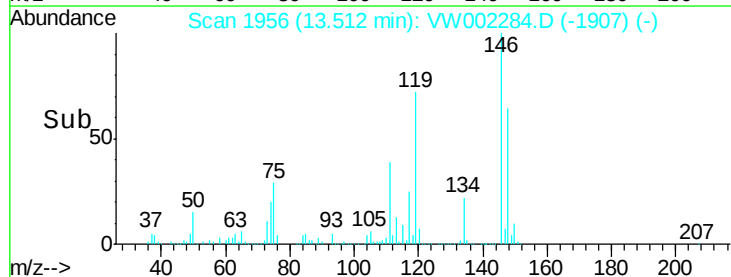
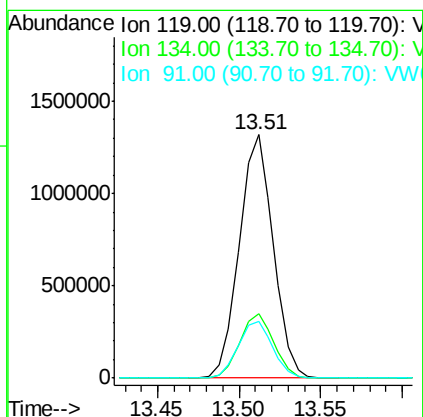
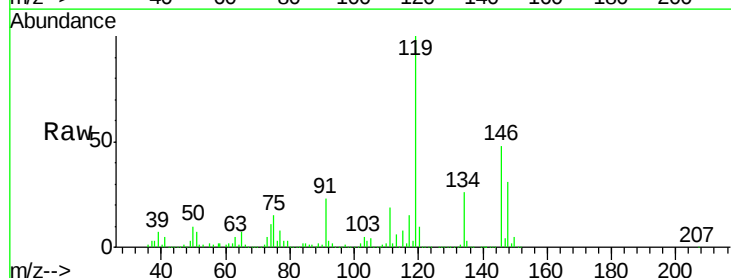
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

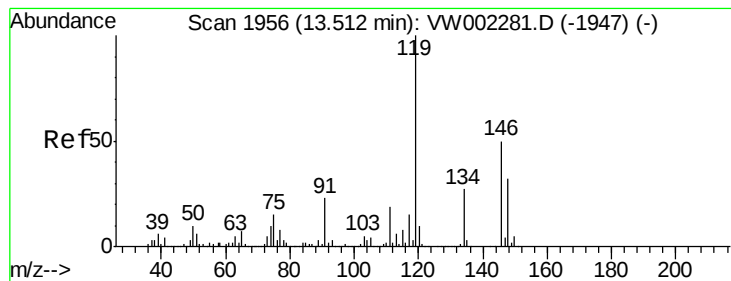
Tgt Ion:105 Resp: 2098785
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 159.43 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion:119 Resp: 1909235
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 23.8 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 150.06 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

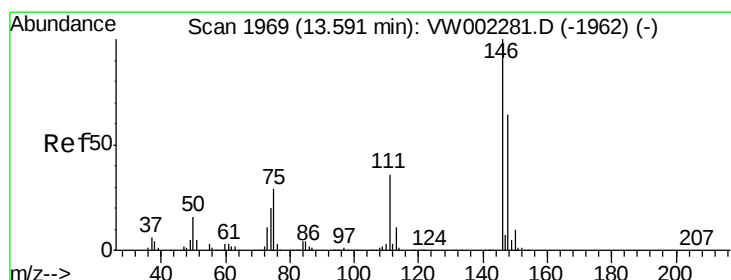
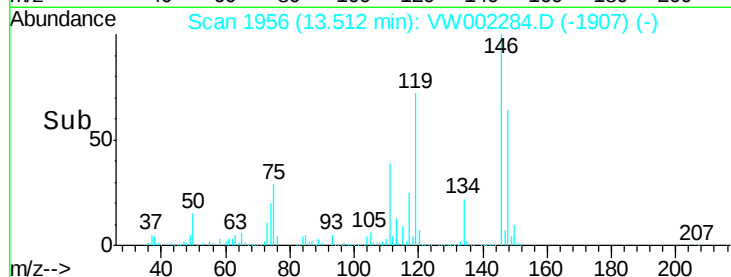
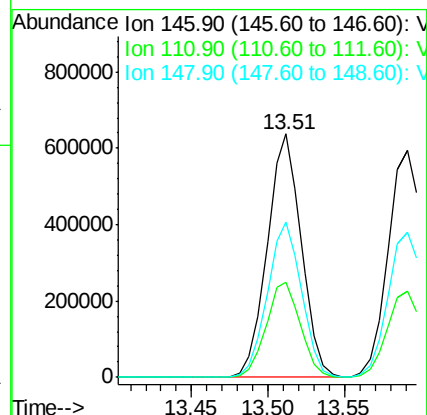
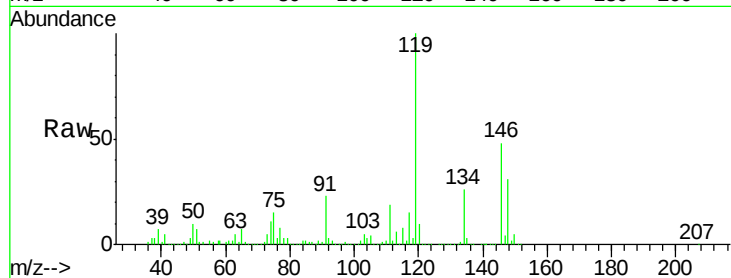
Tgt Ion:146 Resp: 985823

Ion Ratio Lower Upper

146 100

111 39.6 19.3 57.8

148 64.0 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 145.22 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

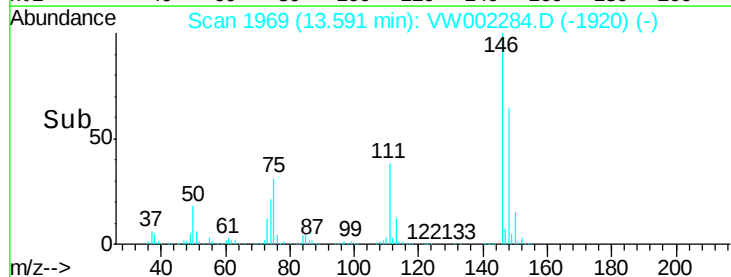
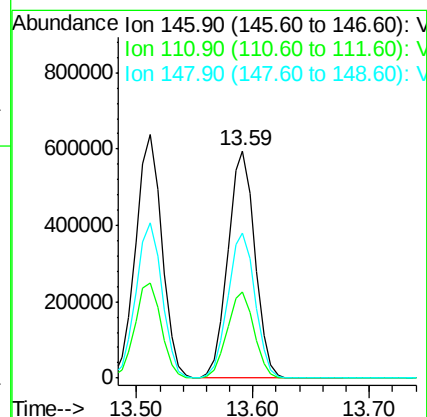
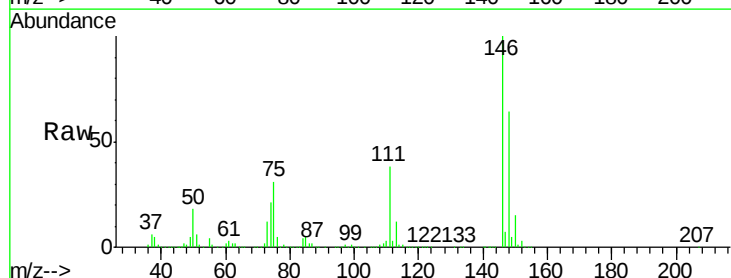
Tgt Ion:146 Resp: 951926

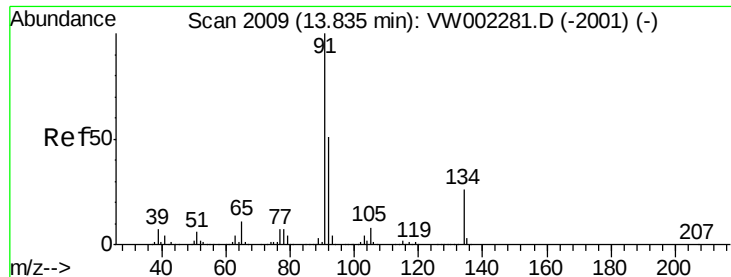
Ion Ratio Lower Upper

146 100

111 37.9 19.0 57.0

148 64.3 32.3 96.9

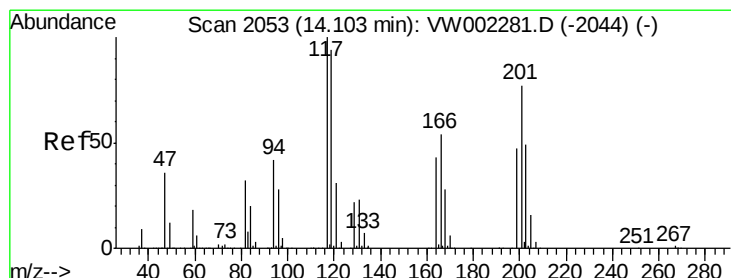
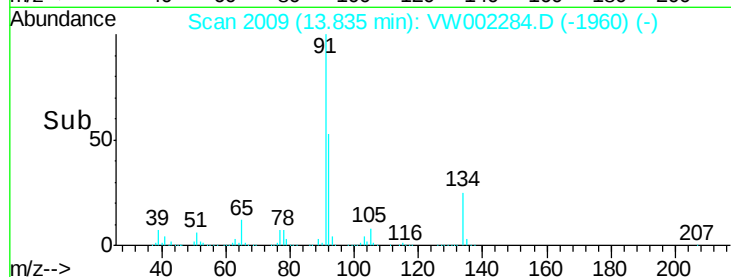
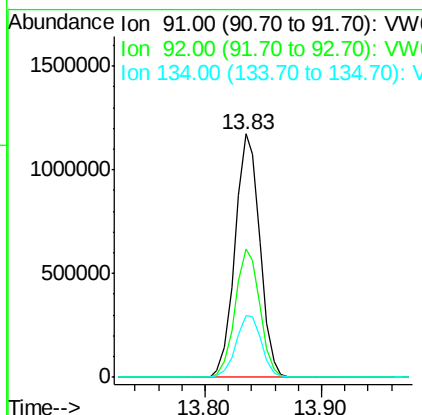
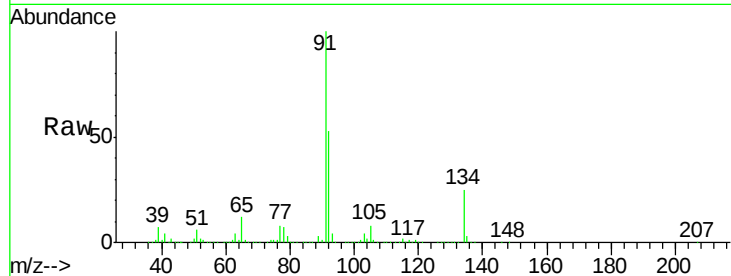




#89
n-Butylbenzene
Concen: 162.11 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

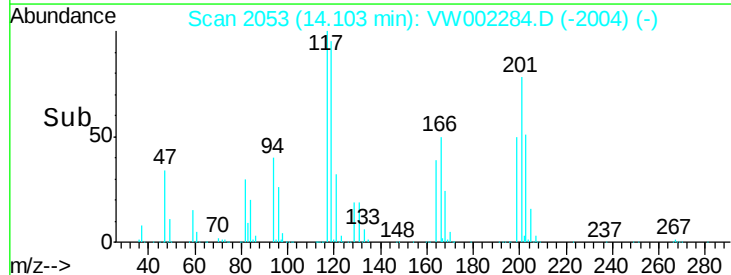
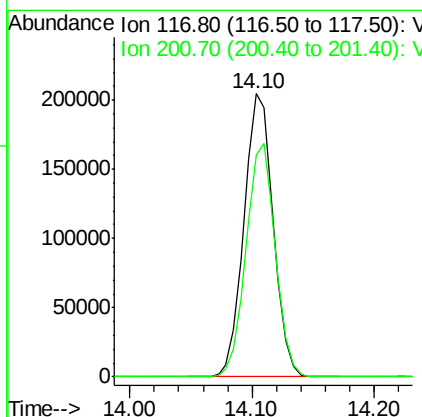
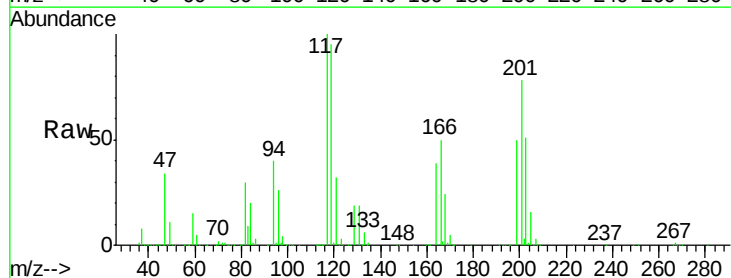
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

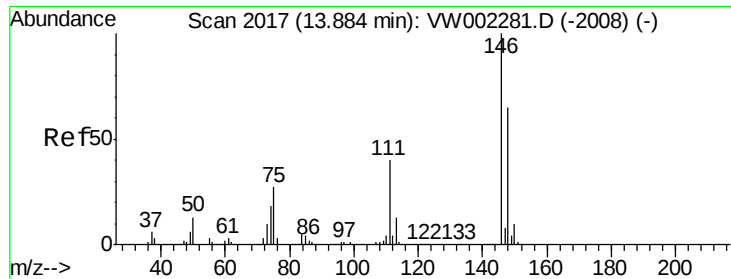
Tgt Ion: 91 Resp: 1738156
Ion Ratio Lower Upper
91 100
92 52.5 25.9 77.8
134 25.9 13.1 39.1



#90
Hexachloroethane
Concen: 146.02 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW002284.D
Acq: 08 May 2018 02:16

Tgt Ion: 117 Resp: 339340
Ion Ratio Lower Upper
117 100
201 82.4 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 153.90 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

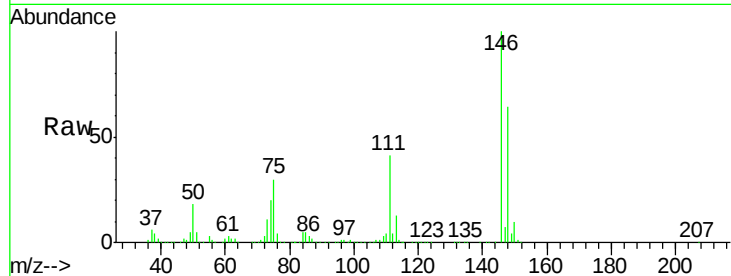
Tgt Ion:146 Resp: 883317

Ion Ratio Lower Upper

146 100

111 40.6 20.0 59.9

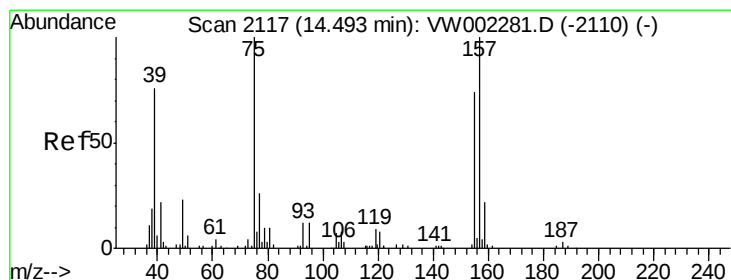
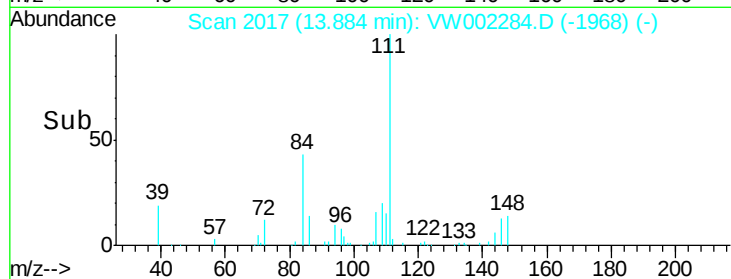
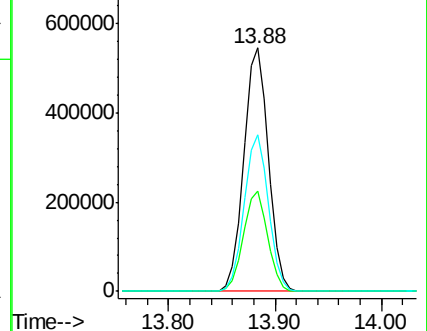
148 63.6 32.5 97.5



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 194.37 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

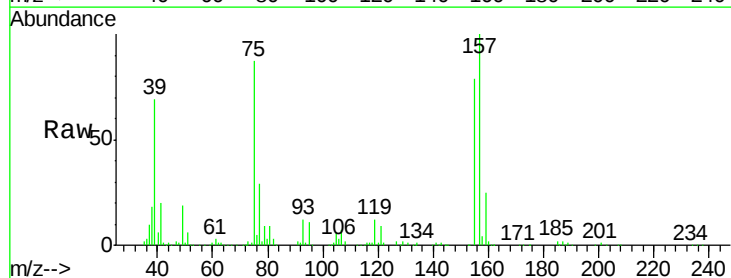
Tgt Ion: 75 Resp: 67964

Ion Ratio Lower Upper

75 100

155 89.7 43.3 129.8

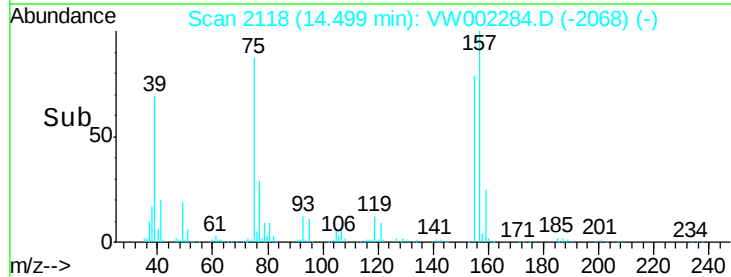
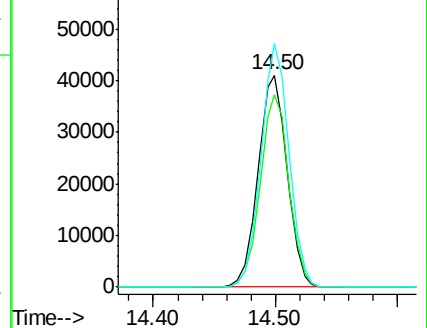
157 110.7 55.8 167.4

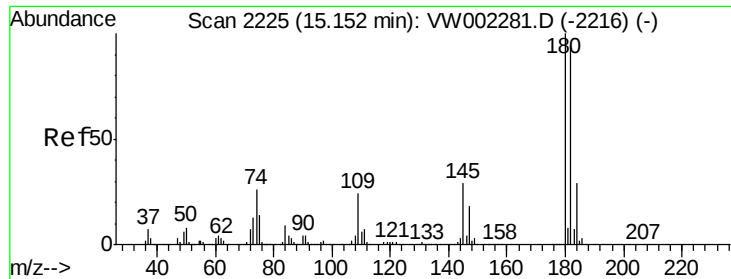


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

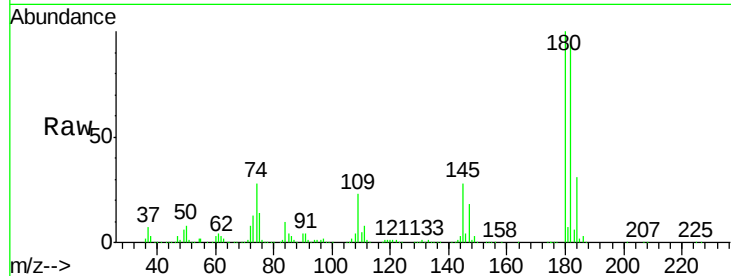




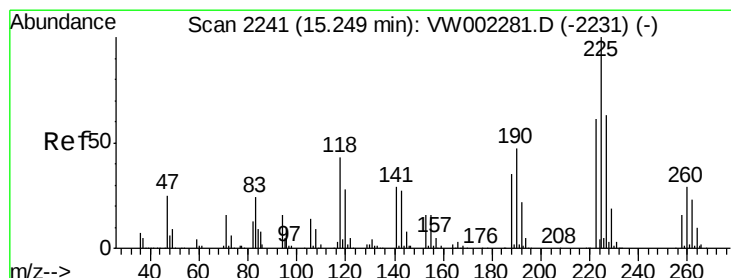
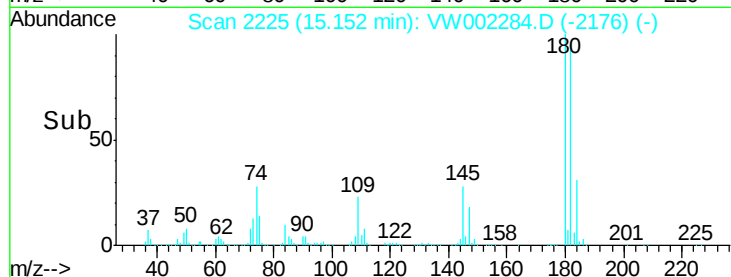
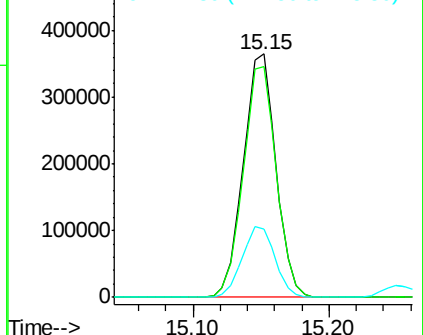
#93
 1,2,4-Trichlorobenzene
 Concen: 145.72 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 611379
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 141.8
 145 29.3 14.5 43.6

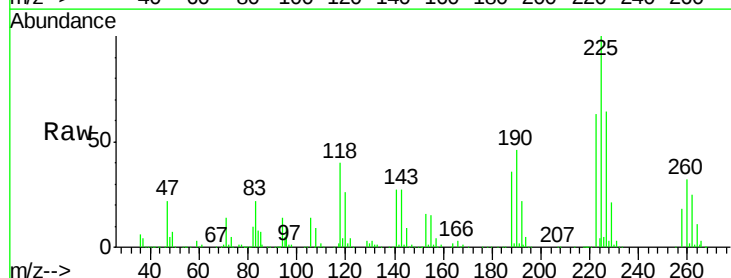


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

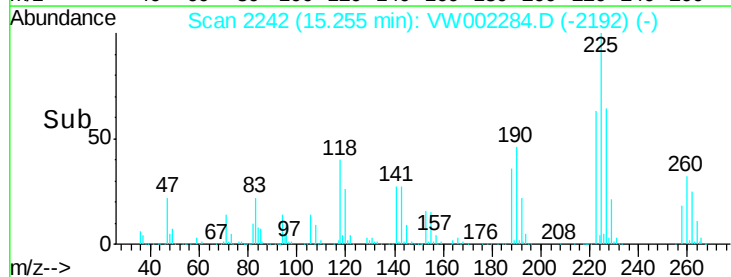
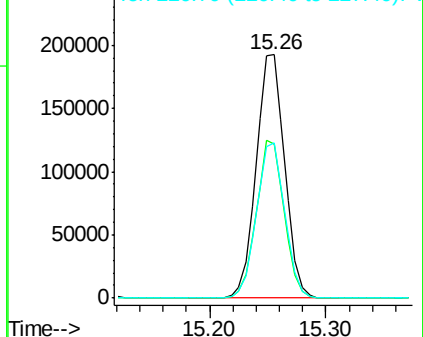


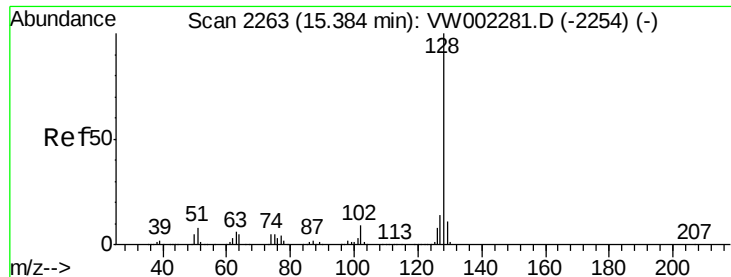
#94
 Hexachlorobutadiene
 Concen: 112.32 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW002284.D
 Acq: 08 May 2018 02:16

Tgt Ion:225 Resp: 328400
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.9 92.7
 227 63.6 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 195.73 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

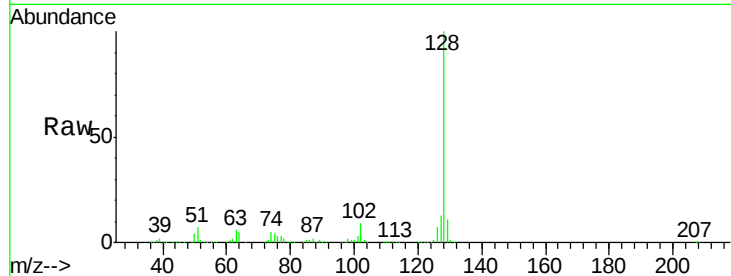
Tgt Ion:128 Resp: 1224018

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

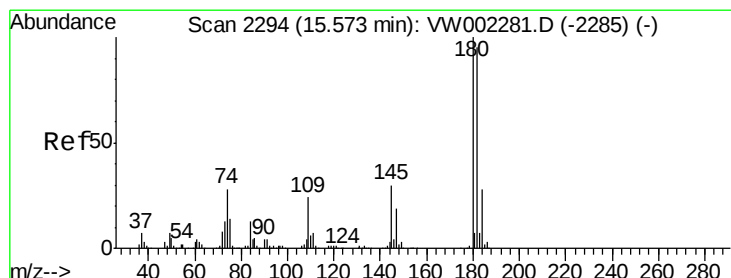
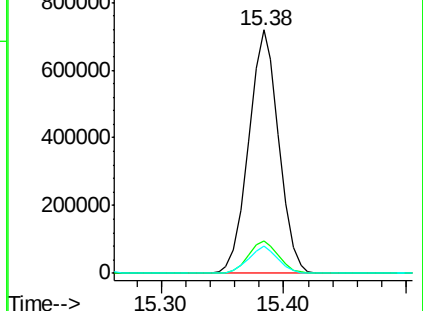
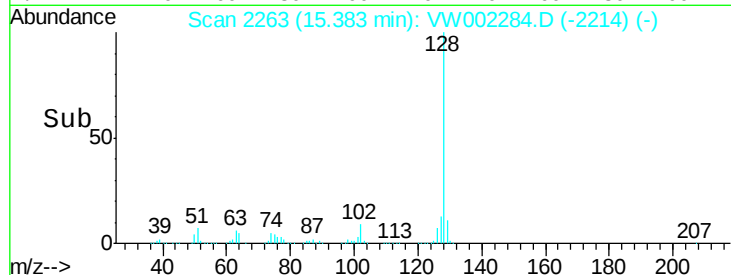
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 152.73 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002284.D

Acq: 08 May 2018 02:16

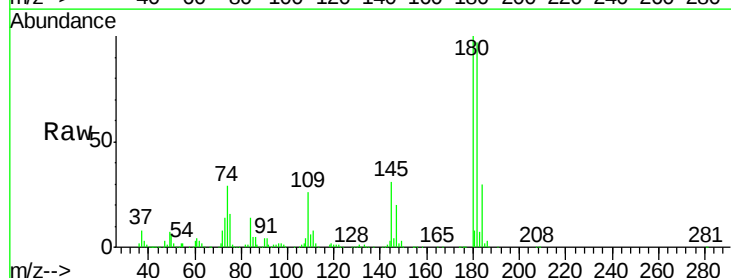
Tgt Ion:180 Resp: 547723

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.0

145 31.4 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

