

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082918\
 Data File : VW005001.D
 Acq On : 29 Aug 2018 13:53
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Quant Time: Aug 30 01:23:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:20:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	507645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	709682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	711028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	397555	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	229741	66.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.32%	
35) Dibromofluoromethane	7.89	113	233469	66.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.78%	
50) Toluene-d8	10.33	98	1422467	73.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.34%	
62) 4-Bromofluorobenzene	12.62	95	519552	73.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	286415	65.309	ug/l	99
3) Chloromethane	2.21	50	417136	66.973	ug/l	99
4) Vinyl Chloride	2.36	62	422517	67.960	ug/l	98
5) Bromomethane	2.76	94	265235	65.266	ug/l	96
6) Chloroethane	2.92	64	248693	67.646	ug/l	98
7) Trichlorofluoromethane	3.26	101	412692	64.199	ug/l	98
8) Diethyl Ether	3.69	74	124376	68.047	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	255353	64.358	ug/l	100
10) Methyl Iodide	4.28	142	445859	82.161	ug/l	100
11) Tert butyl alcohol	5.18	59	80650	389.100	ug/l	100
12) 1,1-Dichloroethene	4.04	96	243364	65.652	ug/l	98
13) Acrolein	3.90	56	111985	378.196	ug/l	100
14) Allyl chloride	4.68	41	389666	68.266	ug/l	99
15) Acrylonitrile	5.38	53	345289	370.437	ug/l	100
16) Acetone	4.14	43	282967	361.347	ug/l	98
17) Carbon Disulfide	4.38	76	1104383	70.879	ug/l	99
18) Methyl Acetate	4.68	43	130581	68.844	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	573562	72.002	ug/l	99
20) Methylene Chloride	4.92	84	382877	58.025	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	267679	66.505	ug/l	98
22) Diisopropyl ether	6.32	45	904859	77.655	ug/l	98
23) Vinyl Acetate	6.26	43	2254717	378.472	ug/l	100
24) 1,1-Dichloroethane	6.23	63	465218	65.987	ug/l	100
25) 2-Butanone	7.18	43	436226	357.222	ug/l	99
26) 2,2-Dichloropropane	7.17	77	395467	63.908	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	292584	66.822	ug/l	99
28) Bromochloromethane	7.52	49	208955	67.403	ug/l	98
29) Tetrahydrofuran	7.54	42	226575	367.287	ug/l	99
30) Chloroform	7.68	83	454487	65.540	ug/l	99
31) Cyclohexane	7.96	56	512940	68.648	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	426058	66.774	ug/l	99
36) 1,1-Dichloropropene	8.09	75	434249	72.216	ug/l	99
37) Ethyl Acetate	7.26	43	159629	73.649	ug/l	99
38) Carbon Tetrachloride	8.07	117	385428	66.232	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	642217	77.476	ug/l	97
40) Benzene	8.33	78	1411714	73.344	ug/l	99
41) Methacrylonitrile	7.49	41	84028	66.526	ug/l #	91
42) 1,2-Dichloroethane	8.41	62	282343	65.923	ug/l	99
43) Isopropyl Acetate	8.43	43	324294	75.194	ug/l	98
44) Trichloroethene	9.10	130	353234	71.849	ug/l	98
45) 1,2-Dichloropropane	9.37	63	317922	72.192	ug/l	99
46) Dibromomethane	9.46	93	140173	67.251	ug/l	97
47) Bromodichloromethane	9.65	83	347802	67.531	ug/l	99
48) Methyl methacrylate	9.44	41	187090	81.704	ug/l	98
49) 1,4-Dioxane	9.46	88	65274	1509.098	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	1263716	391.232	ug/l	100
52) Toluene	10.39	92	1049642	73.504	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	421050	76.550	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	472135	73.611	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	243403	71.345	ug/l	98
56) Ethyl methacrylate	10.65	69	360263	80.507	ug/l	99
57) 1,3-Dichloropropane	10.94	76	415213	73.962	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	776660	402.854	ug/l	99
59) 2-Hexanone	10.98	43	918446	392.717	ug/l	99
60) Dibromochloromethane	11.13	129	278627	74.414	ug/l	100
61) 1,2-Dibromoethane	11.24	107	242119	75.700	ug/l	100
64) Tetrachloroethene	10.87	164	380588	73.415	ug/l	98
65) Chlorobenzene	11.66	112	1150458	73.645	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	323926	75.497	ug/l	99
67) Ethyl Benzene	11.74	91	2051029	76.677	ug/l	100
68) m/p-Xylenes	11.85	106	1676686	153.683	ug/l	99
69) o-Xylene	12.17	106	771952	77.435	ug/l	99
70) Styrene	12.19	104	1302325	78.751	ug/l	100
71) Bromoform	12.35	173	183905	77.087	ug/l	100
73) Isopropylbenzene	12.47	105	2081495	78.542	ug/l	100
74) N-amyl acetate	12.28	43	405146	81.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	308334	76.841	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	420364	84.707	ug/l #	100
77) Bromobenzene	12.75	156	485805	74.712	ug/l	99
78) n-propylbenzene	12.81	91	2550054	78.007	ug/l	99
79) 2-Chlorotoluene	12.90	91	1426895	75.575	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1833784	78.318	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	99733	80.051	ug/l	98
82) 4-Chlorotoluene	12.99	91	1526608	75.889	ug/l	100
83) tert-Butylbenzene	13.21	119	1554651	79.052	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1849664	77.855	ug/l	100
85) sec-Butylbenzene	13.39	105	2256748	78.173	ug/l	100
86) p-Isopropyltoluene	13.51	119	2029526	78.471	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	1021754	74.123	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	995367	72.898	ug/l	99
89) n-Butylbenzene	13.83	91	1910200	78.676	ug/l	100
90) Hexachloroethane	14.10	117	306727	75.446	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	895176	73.773	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	51945	74.954	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Aug 30 01:20:44 2018
Response via : Initial Calibration

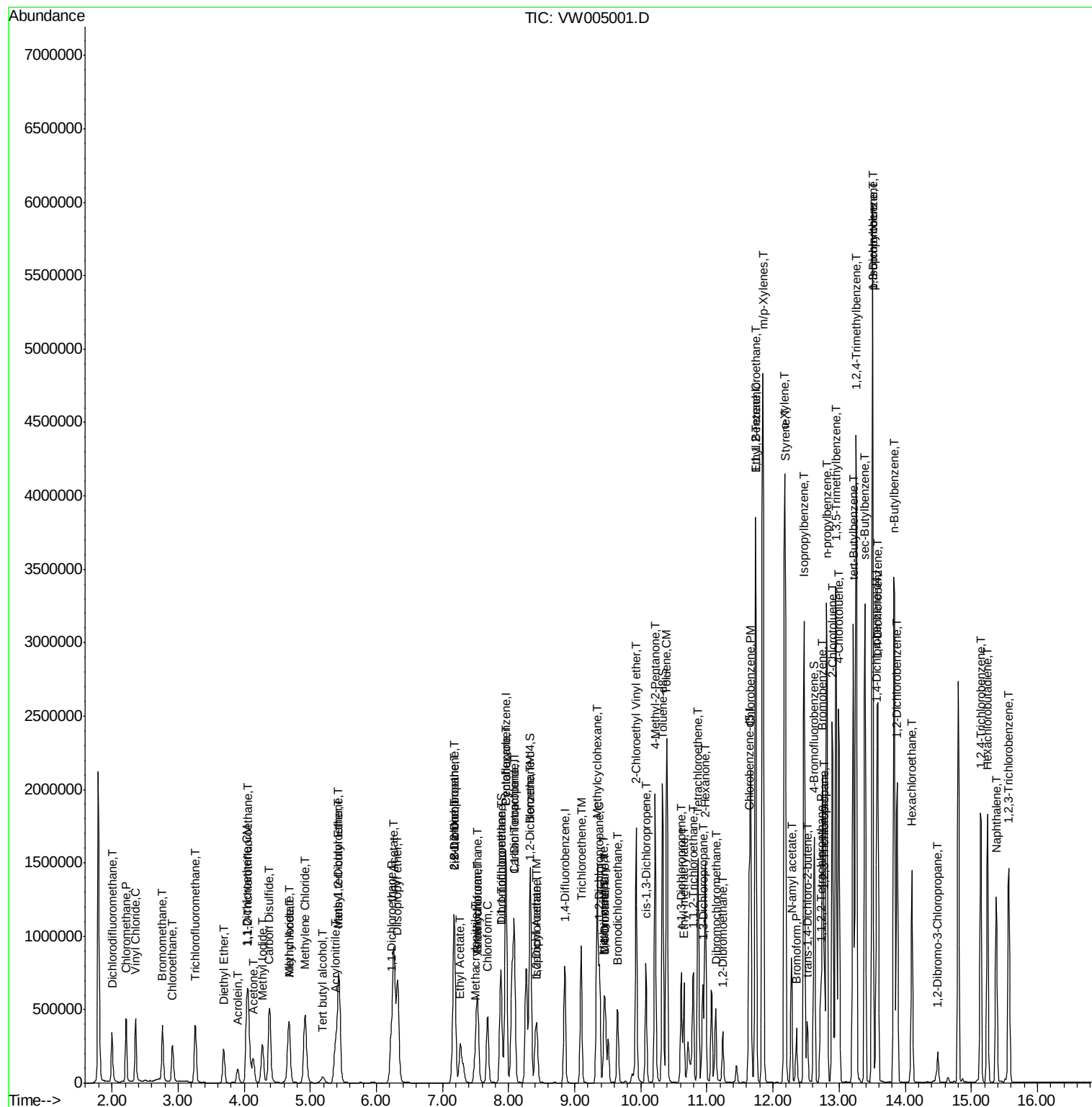
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	638798	75.144	ug/l	100
94) Hexachlorobutadiene	15.24	225	390394	73.365	ug/l	99
95) Naphthalene	15.38	128	1122006	80.449	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	557269	74.205	ug/l	99

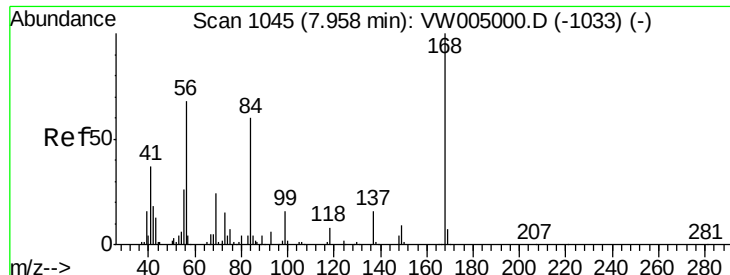
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

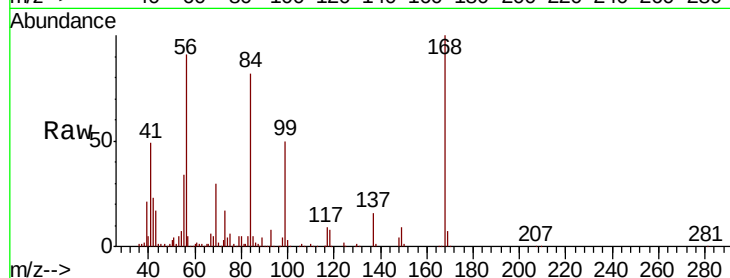
VSTDIC075

Tgt Ion:168 Resp: 507645

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

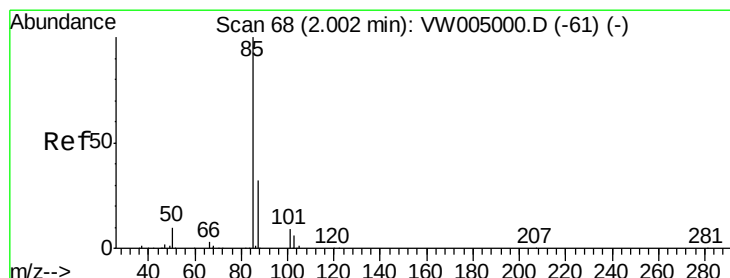
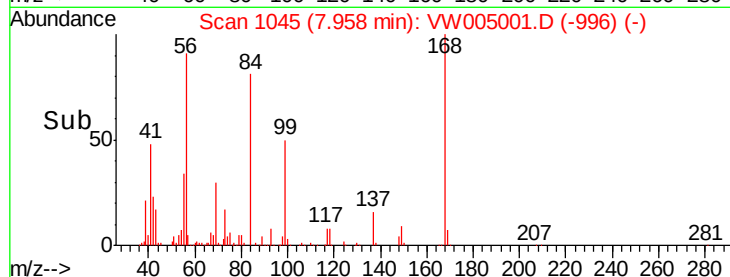
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 65.309 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005001.D

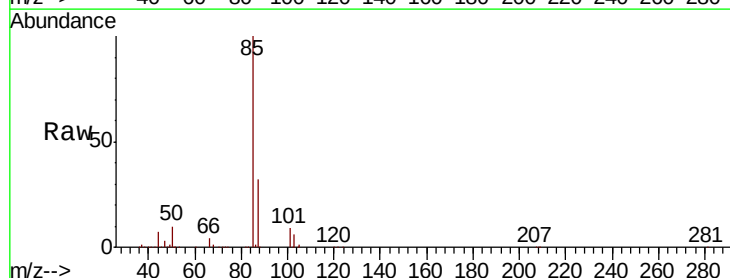
Acq: 29 Aug 2018 13:53

Tgt Ion: 85 Resp: 286415

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200000

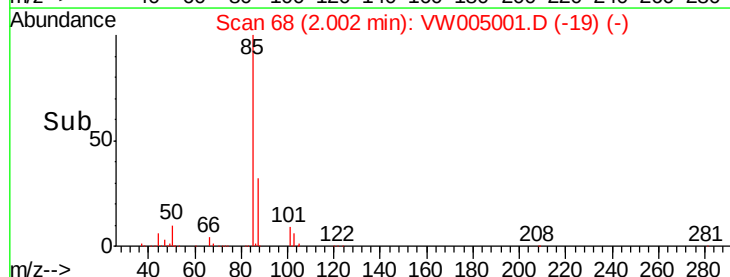
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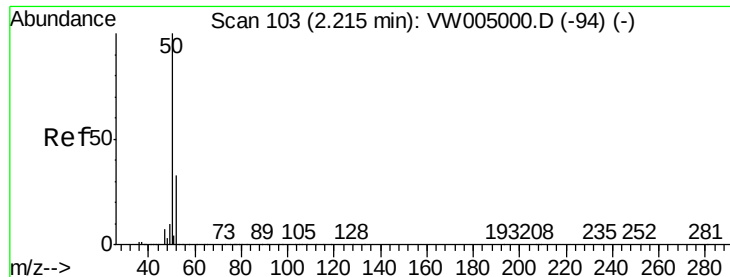
100000

50000

0

Time-->





#3

Chloromethane

Concen: 66.973 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

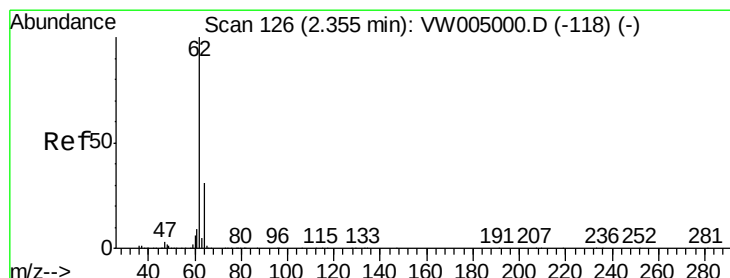
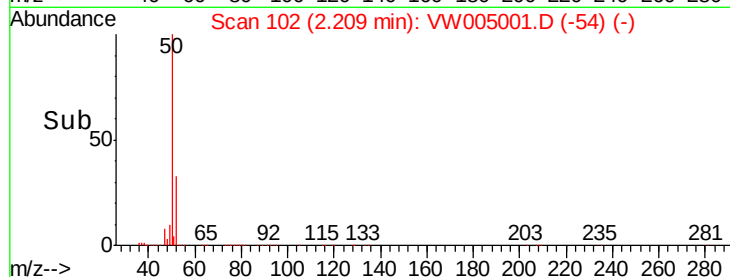
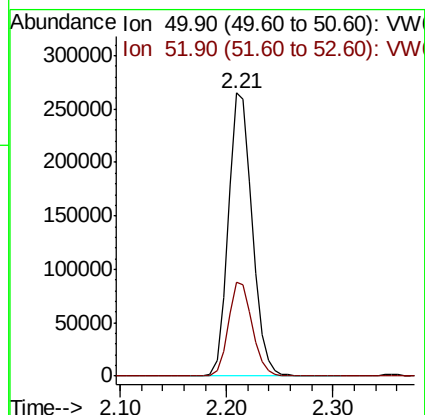
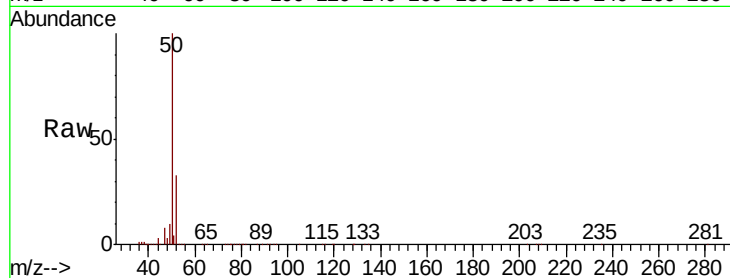
VSTDIC075

Tgt Ion: 50 Resp: 417136

Ion Ratio Lower Upper

50 100

52 33.3 26.1 39.1



#4

Vinyl Chloride

Concen: 67.960 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW005001.D

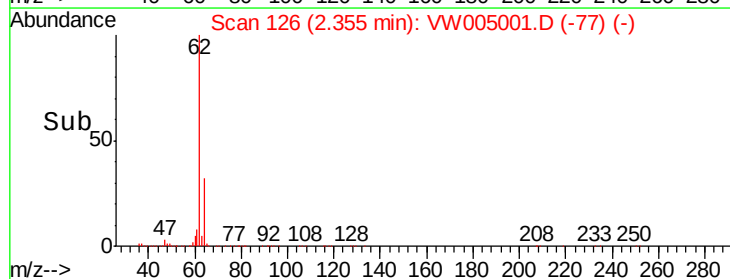
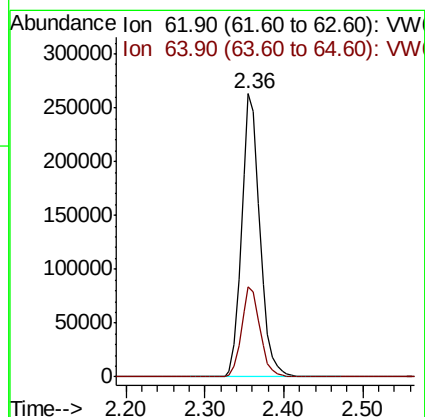
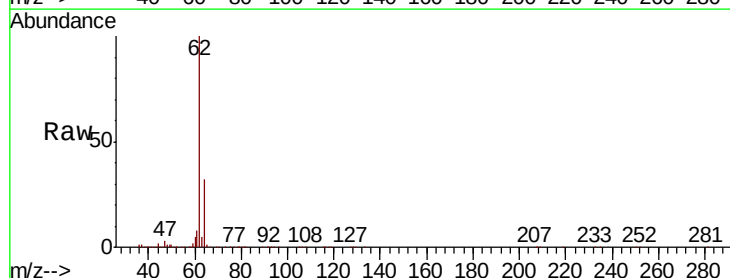
Acq: 29 Aug 2018 13:53

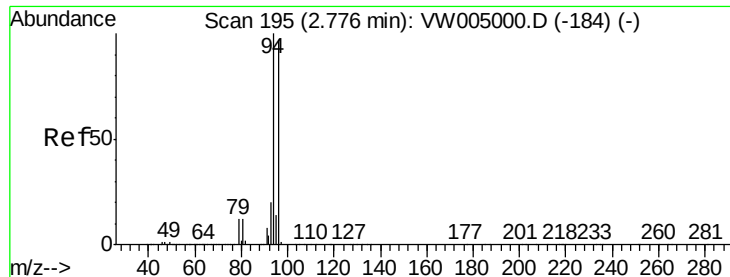
Tgt Ion: 62 Resp: 422517

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2





#5

Bromomethane

Concen: 65.266 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

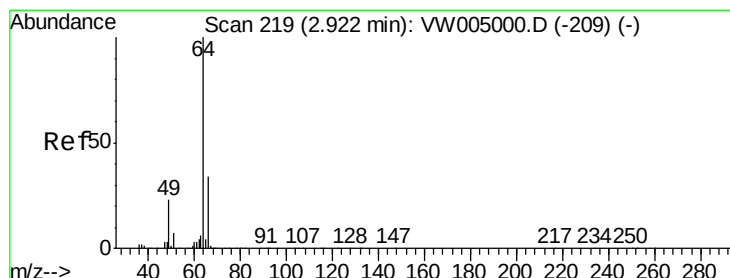
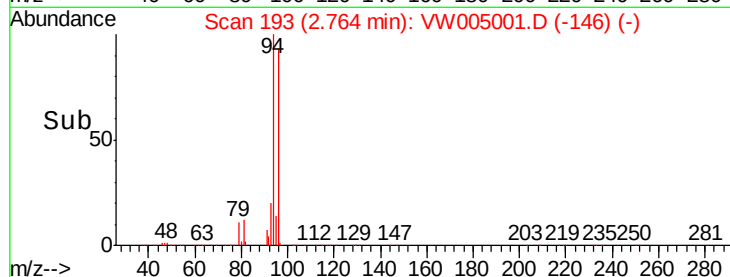
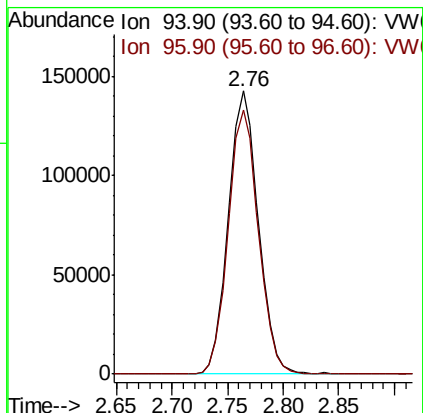
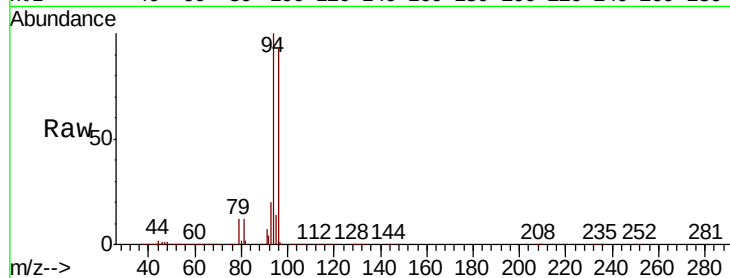
VSTDIC075

Tgt Ion: 94 Resp: 265235

Ion Ratio Lower Upper

94 100

96 93.1 77.5 116.3



#6

Chloroethane

Concen: 67.646 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005001.D

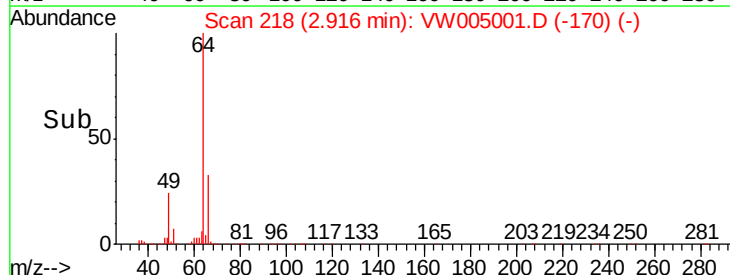
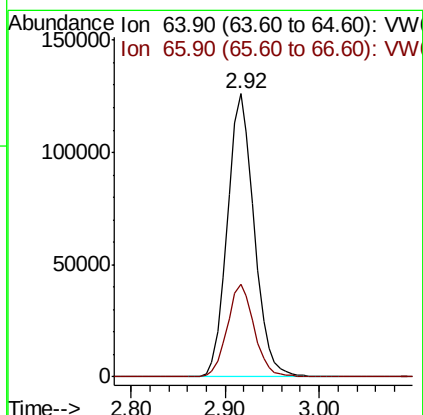
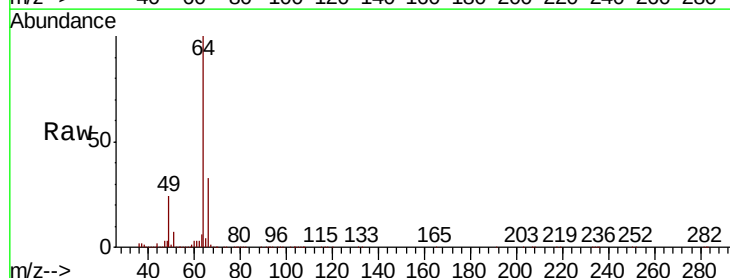
Acq: 29 Aug 2018 13:53

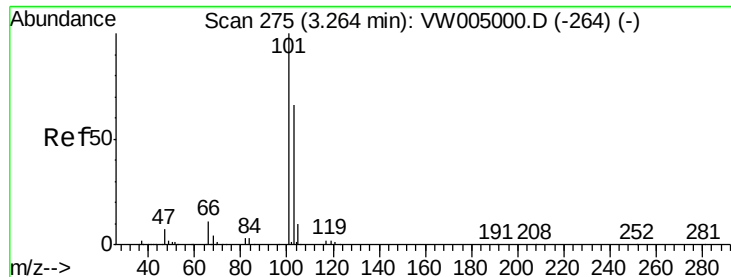
Tgt Ion: 64 Resp: 248693

Ion Ratio Lower Upper

64 100

66 32.4 26.8 40.2



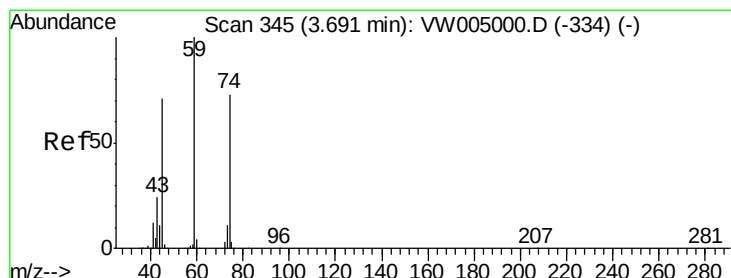
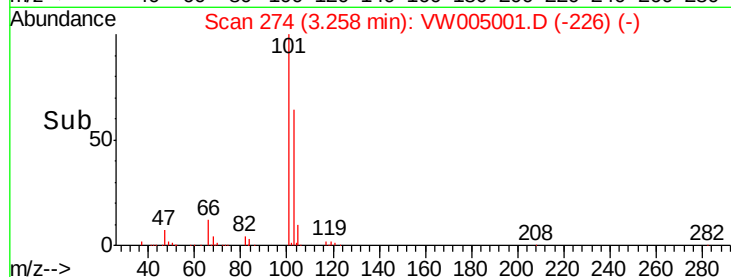
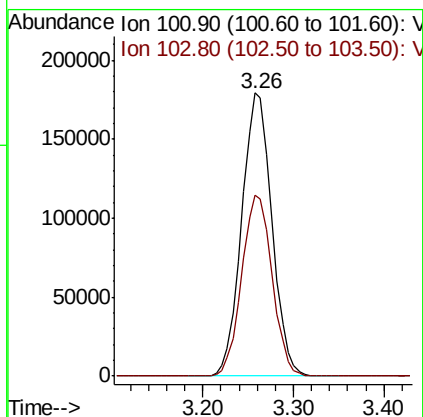
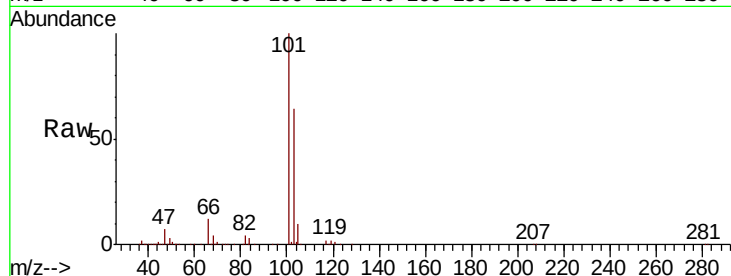


#7

Trichlorofluoromethane
 Concen: 64.199 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Instrument :
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 VSTDIC075

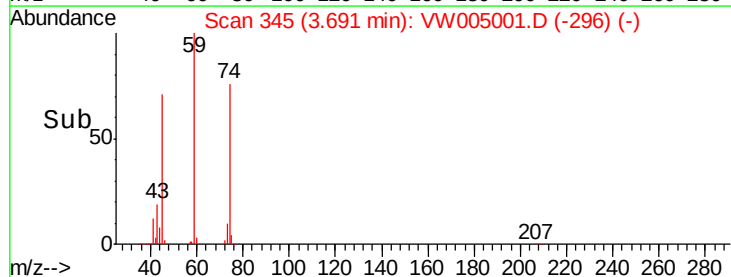
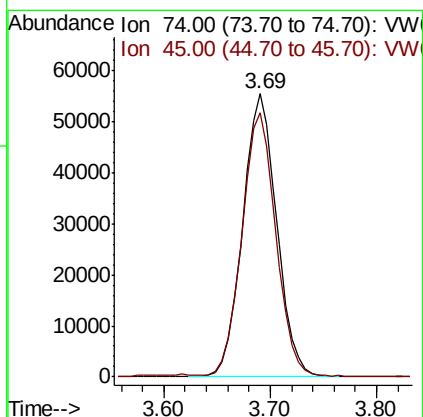
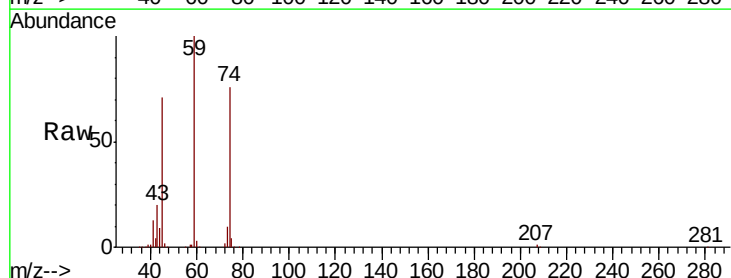
Tgt Ion: 101 Resp: 412692
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.6 78.8

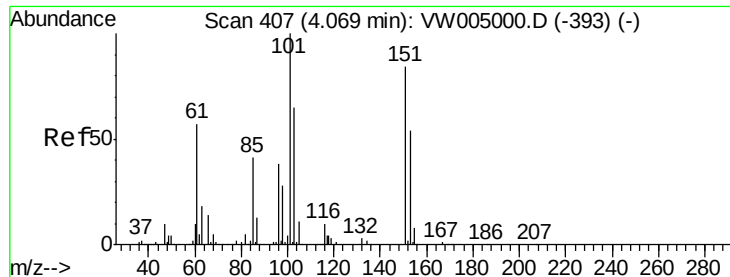


#8

Diethyl Ether
 Concen: 68.047 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 74 Resp: 124376
 Ion Ratio Lower Upper
 74 100
 45 93.1 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 64.358 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

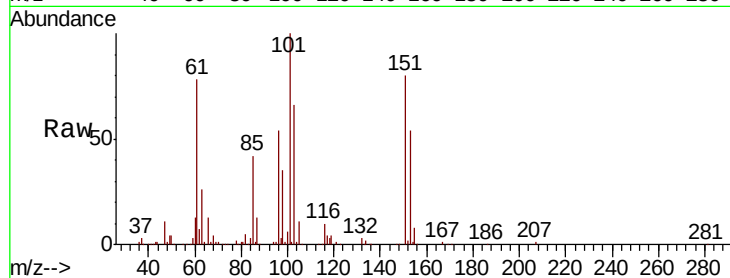
Tgt Ion:101 Resp: 255353

Ion Ratio Lower Upper

101 100

85 41.5 33.4 50.0

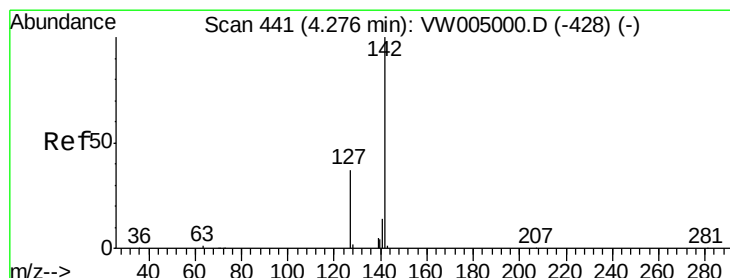
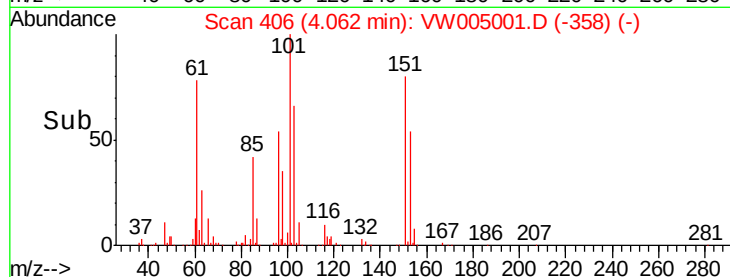
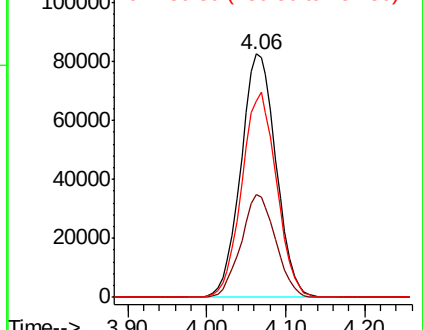
151 83.4 67.0 100.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 82.161 ug/l

RT: 4.28 min Scan# 441

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

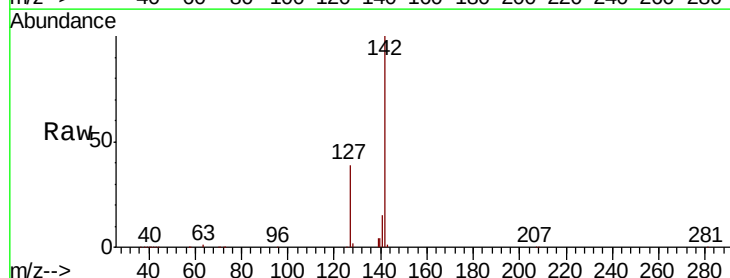
Tgt Ion:142 Resp: 445859

Ion Ratio Lower Upper

142 100

127 39.0 31.1 46.7

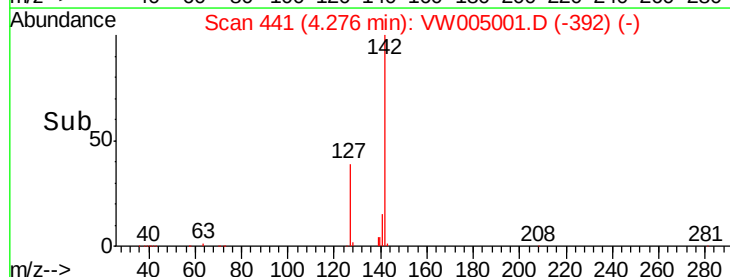
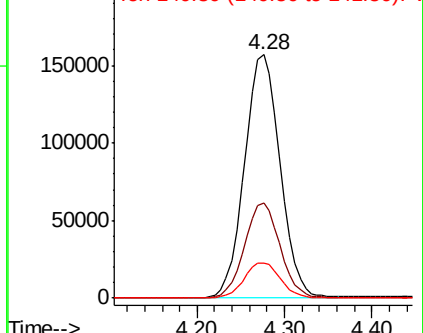
141 14.6 11.4 17.2

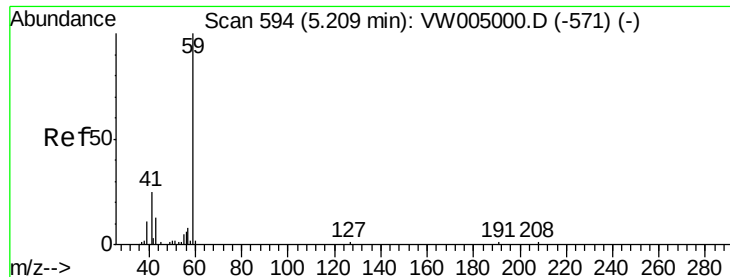


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



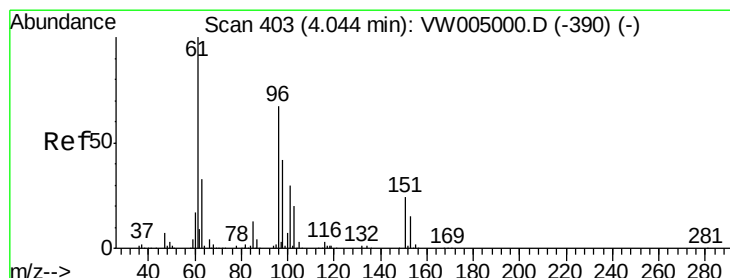
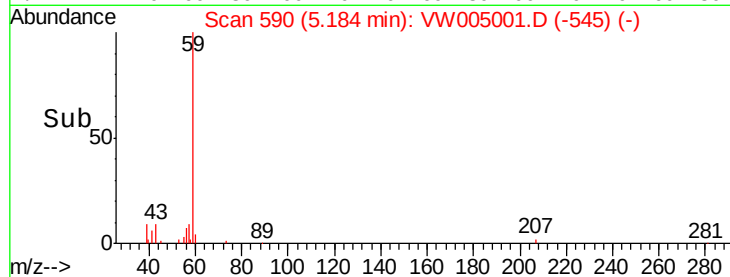
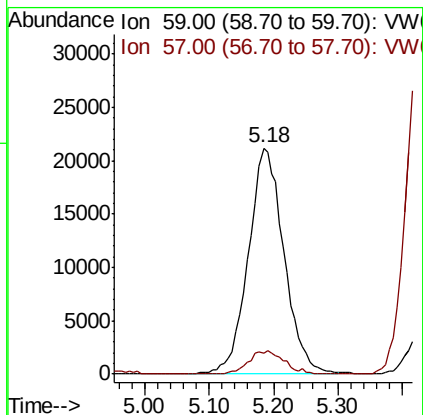
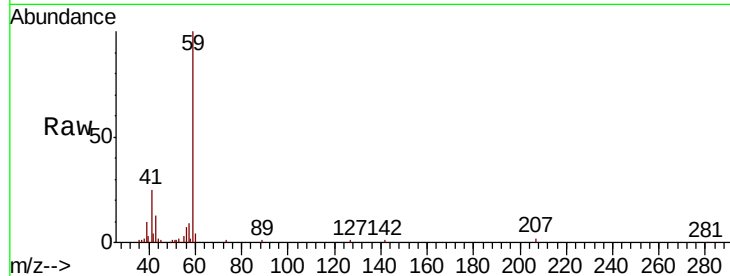


#11

Tert butyl alcohol
 Concen: 389.100 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

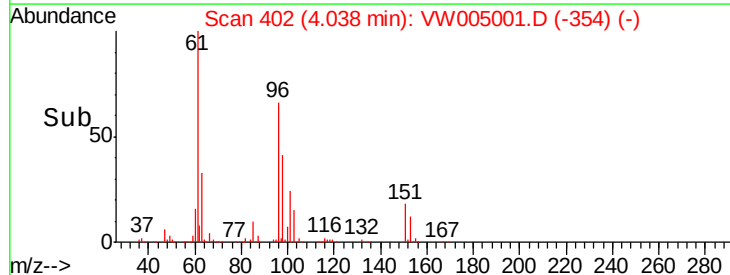
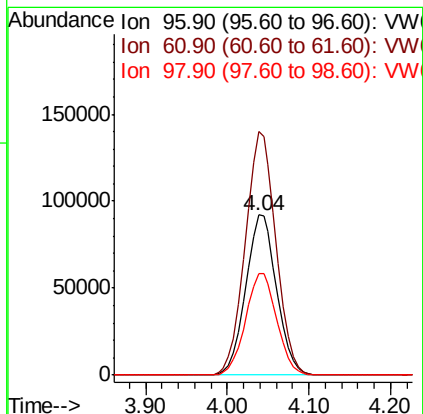
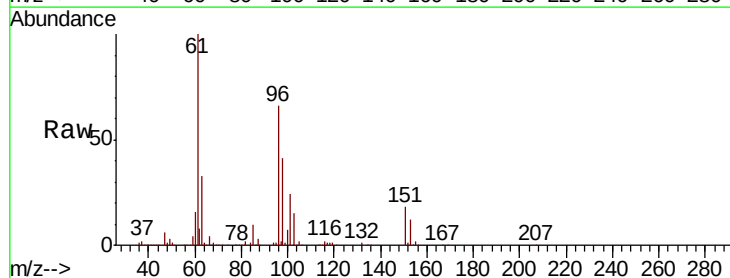
Tgt Ion: 59 Resp: 80650
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.1 12.1

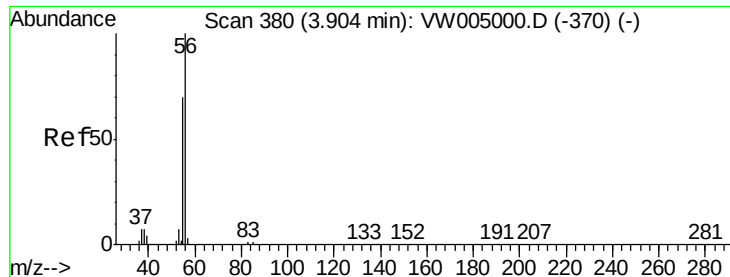


#12

1,1-Dichloroethene
 Concen: 65.652 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 96 Resp: 243364
 Ion Ratio Lower Upper
 96 100
 61 152.2 119.5 179.3
 98 63.1 50.4 75.6

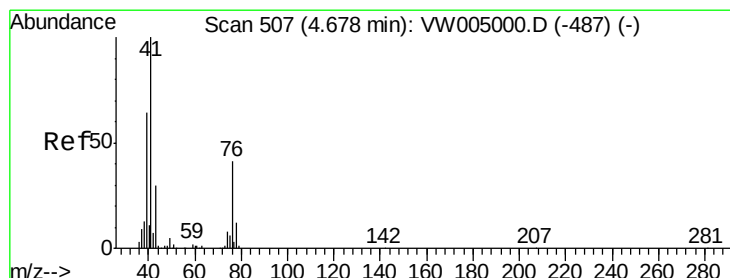
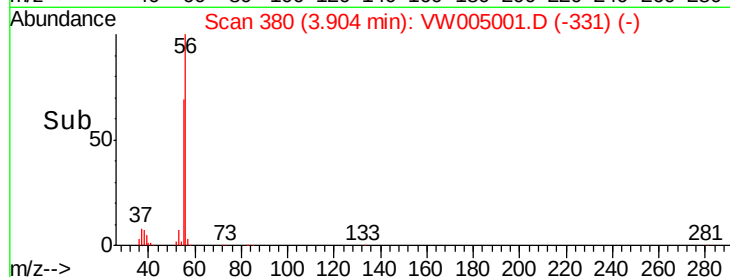
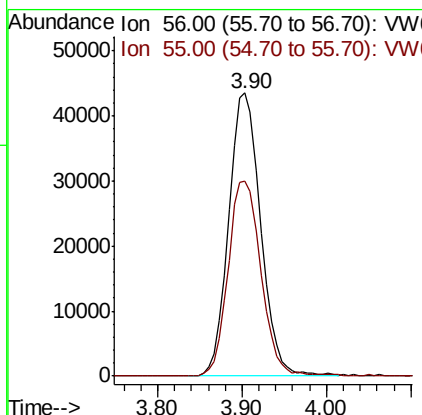
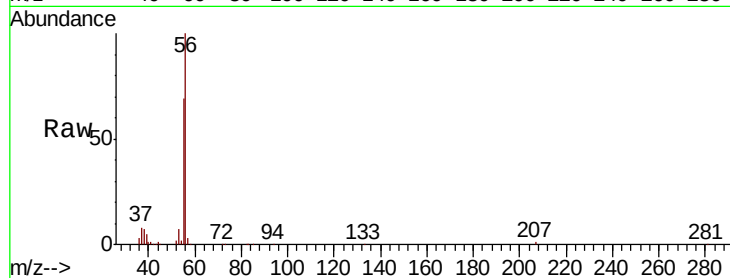




#13
 Acrolein
 Concen: 378.196 ug/l
 RT: 3.90 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

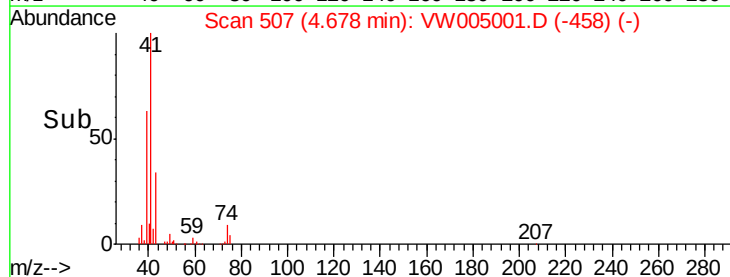
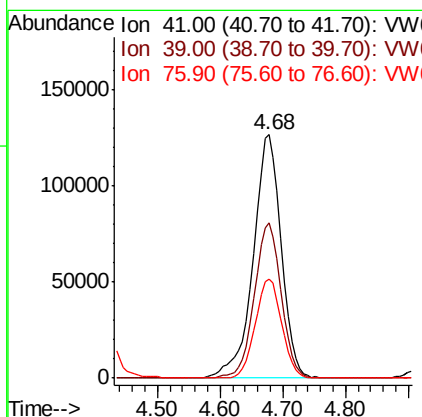
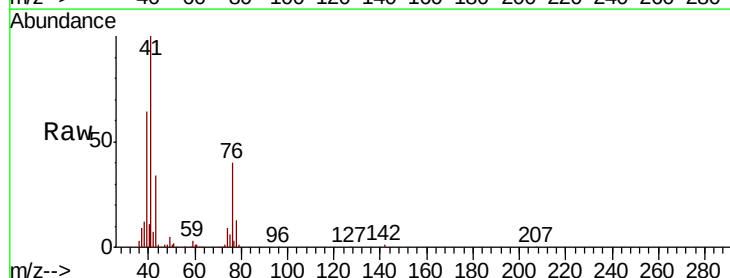
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

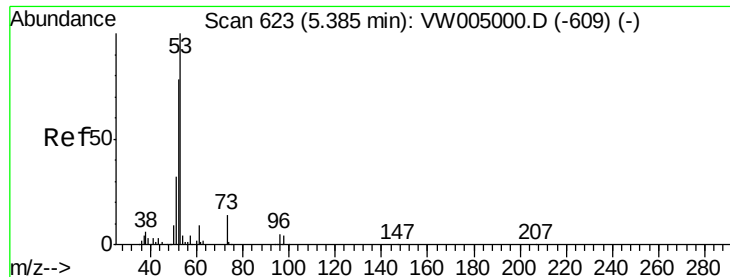
Tgt Ion: 56 Resp: 111985
 Ion Ratio Lower Upper
 56 100
 55 70.5 56.4 84.6



#14
 Allyl chloride
 Concen: 68.266 ug/l
 RT: 4.68 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 41 Resp: 389666
 Ion Ratio Lower Upper
 41 100
 39 61.3 49.4 74.2
 76 38.3 31.4 47.2





#15

Acrylonitrile

Concen: 370.437 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

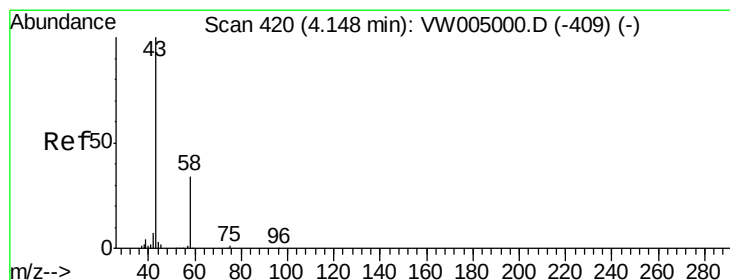
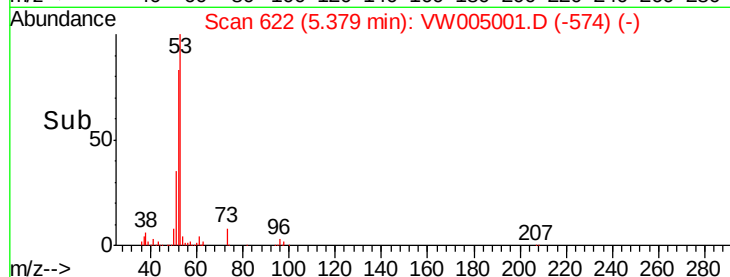
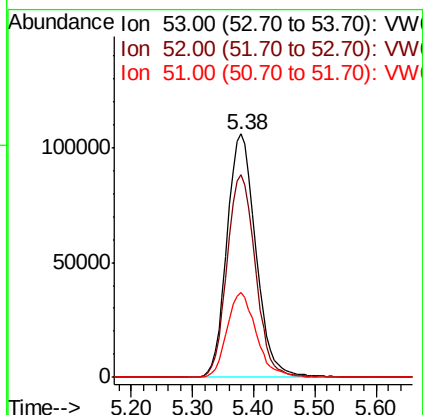
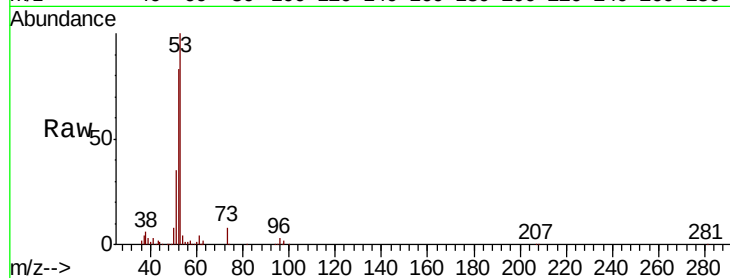
Tgt Ion: 53 Resp: 345289

Ion Ratio Lower Upper

53 100

52 81.6 65.0 97.6

51 35.5 28.6 43.0



#16

Acetone

Concen: 361.347 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW005001.D

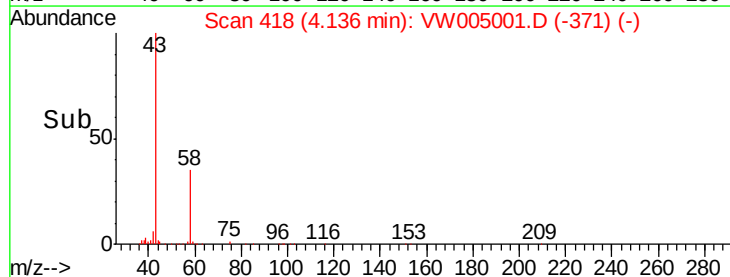
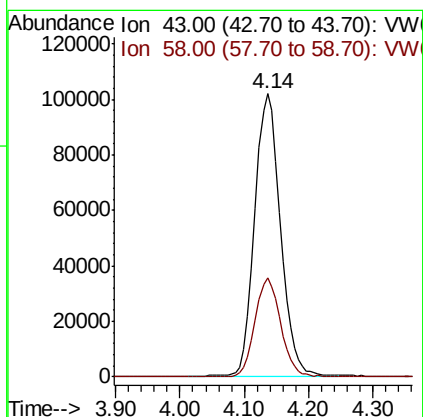
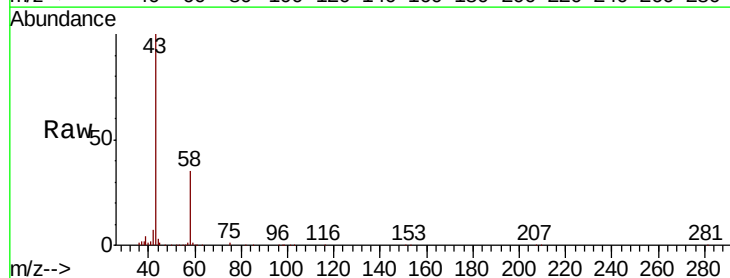
Acq: 29 Aug 2018 13:53

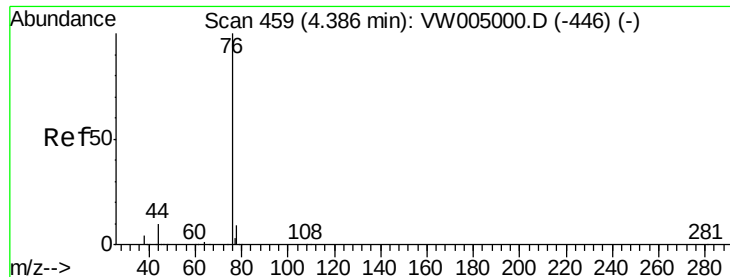
Tgt Ion: 43 Resp: 282967

Ion Ratio Lower Upper

43 100

58 34.9 27.2 40.8





#17

Carbon Disulfide

Concen: 70.879 ug/l

RT: 4.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

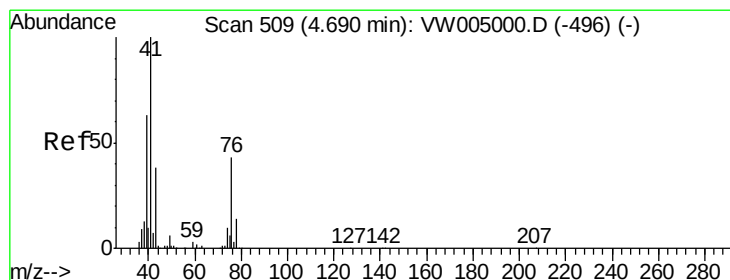
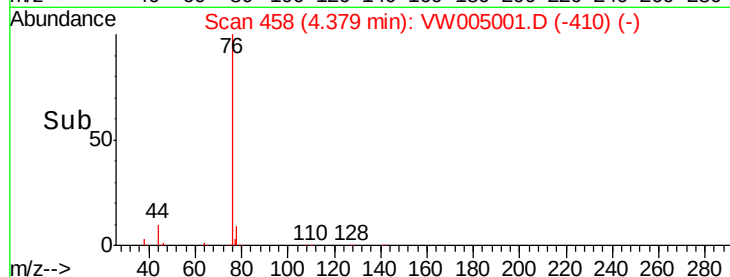
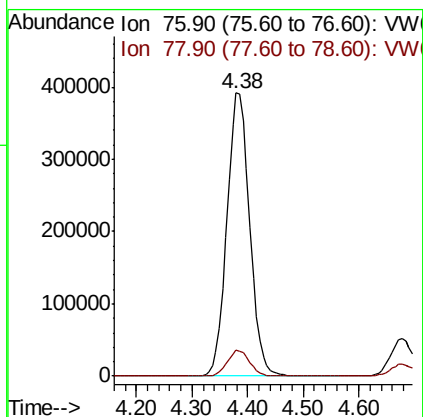
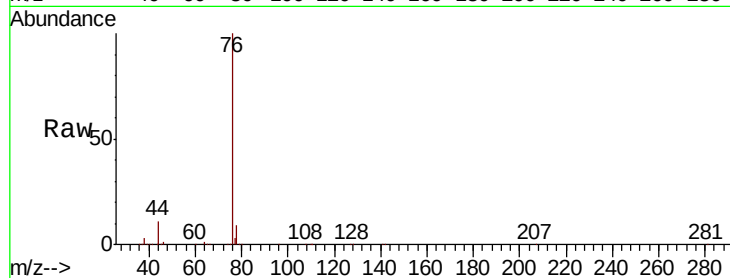
VSTDIC075

Tgt Ion: 76 Resp: 1104383

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



#18

Methyl Acetate

Concen: 68.844 ug/l

RT: 4.68 min Scan# 508

Delta R.T. -0.01 min

Lab File: VW005001.D

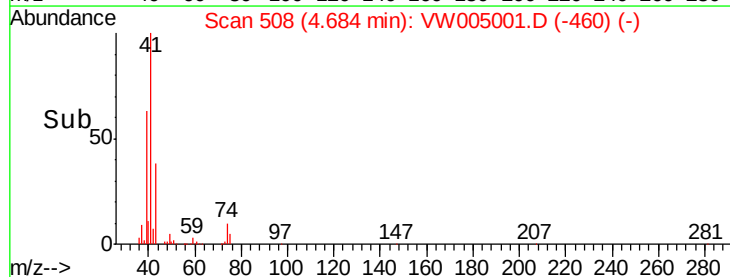
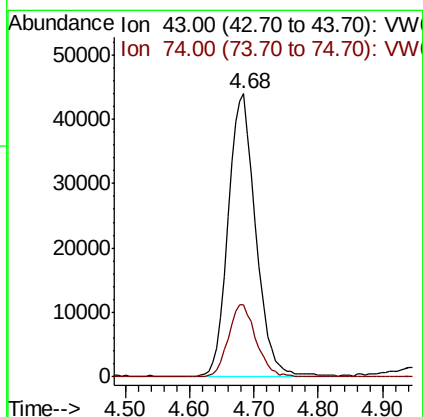
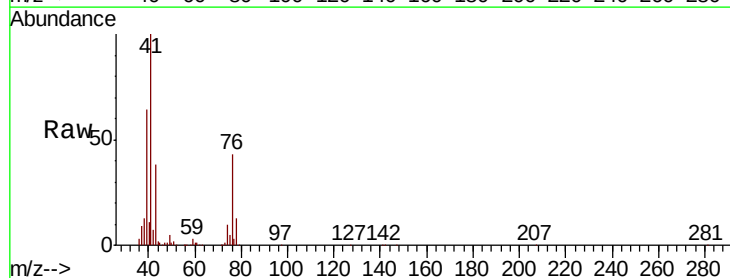
Acq: 29 Aug 2018 13:53

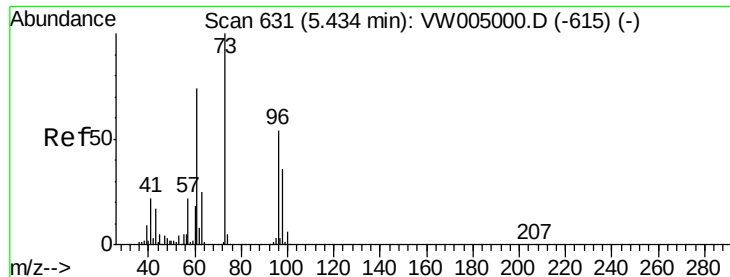
Tgt Ion: 43 Resp: 130581

Ion Ratio Lower Upper

43 100

74 26.0 20.3 30.5

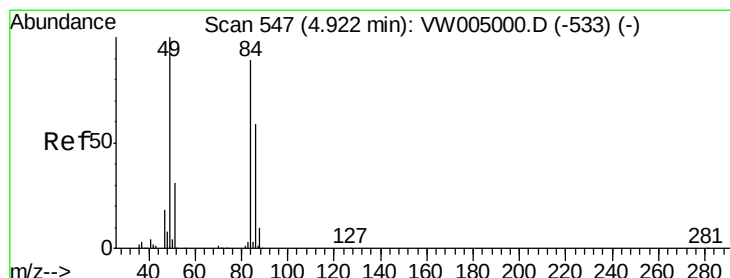
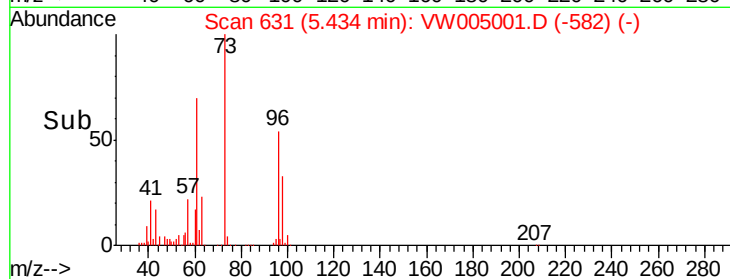
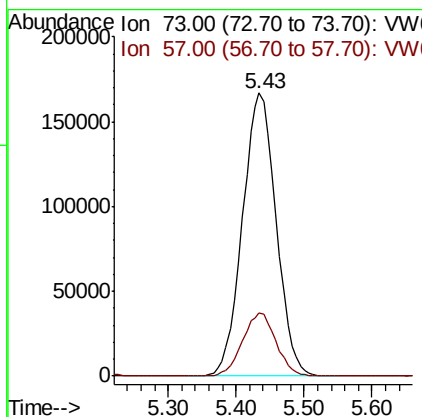
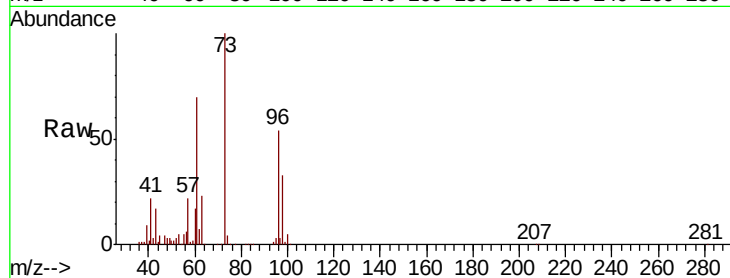




#19
Methyl tert-butyl Ether
Concen: 72.002 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

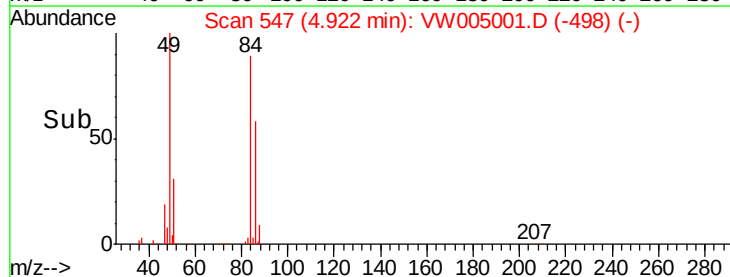
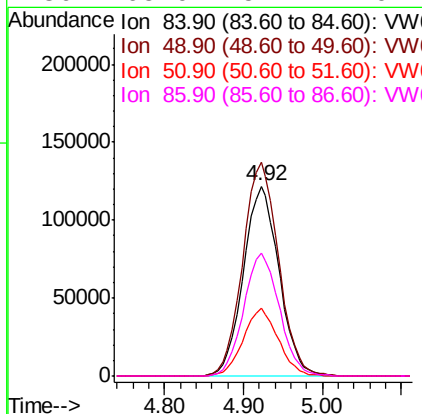
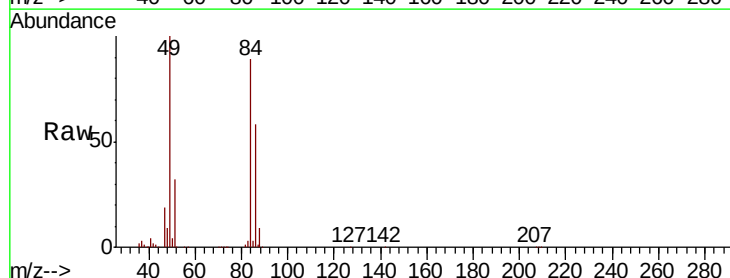
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

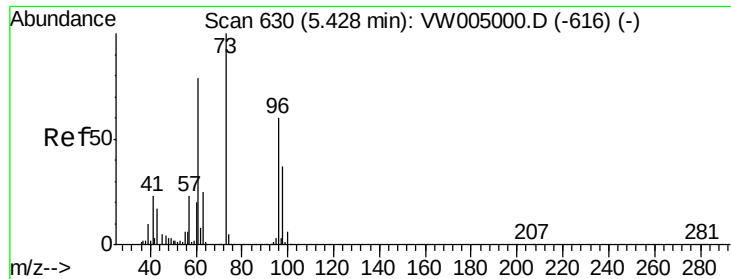
Tgt Ion: 73 Resp: 573562
Ion Ratio Lower Upper
73 100
57 22.4 17.6 26.4



#20
Methylene Chloride
Concen: 58.025 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion: 84 Resp: 382877
Ion Ratio Lower Upper
84 100
49 112.6 89.7 134.5
51 35.5 27.5 41.3
86 65.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 66.505 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

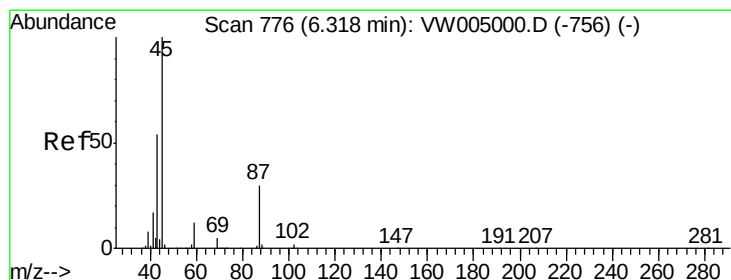
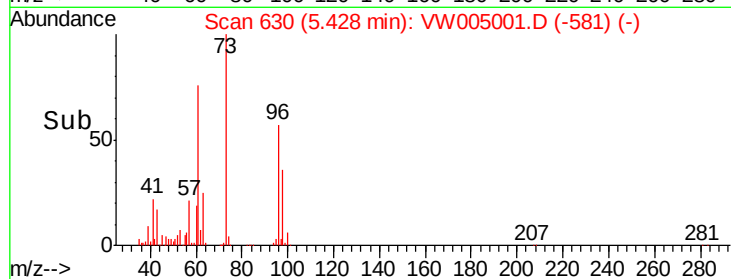
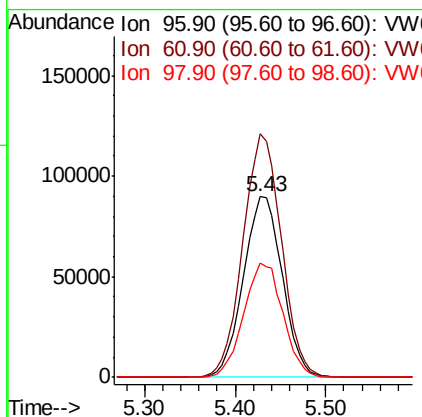
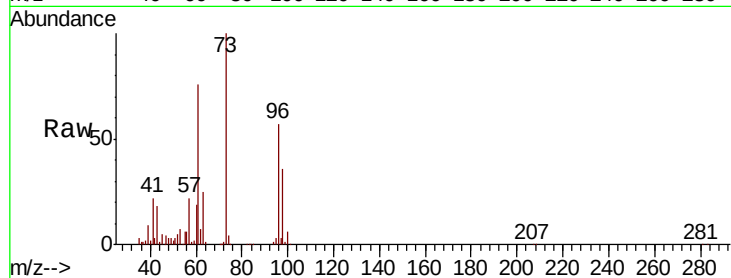
Tgt Ion: 96 Resp: 267679

Ion Ratio Lower Upper

96 100

61 134.7 106.2 159.2

98 63.3 49.5 74.3



#22

Diisopropyl ether

Concen: 77.655 ug/l

RT: 6.32 min Scan# 776

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Tgt Ion: 45 Resp: 904859

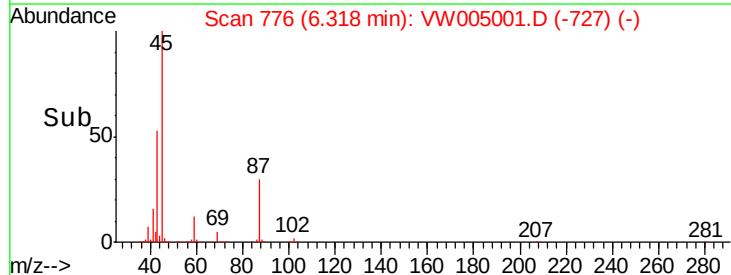
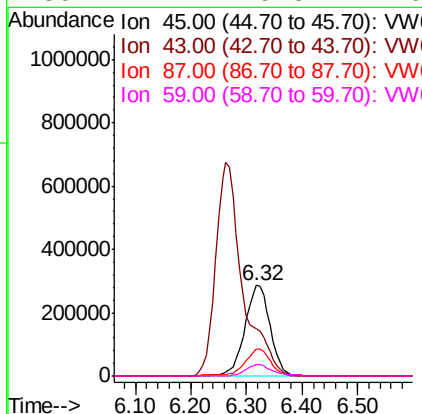
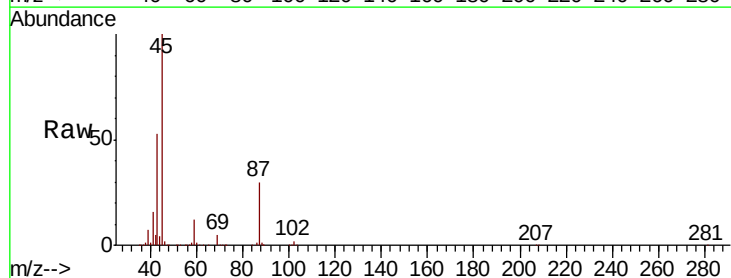
Ion Ratio Lower Upper

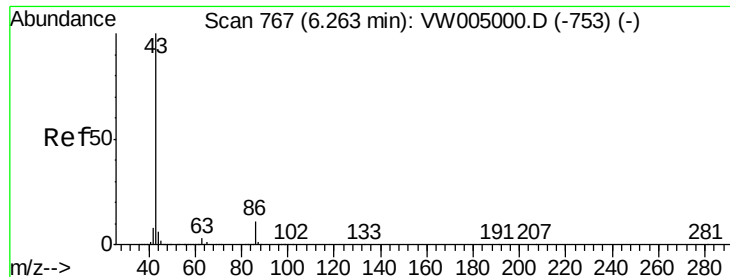
45 100

43 52.7 43.5 65.3

87 30.2 23.8 35.8

59 12.1 9.8 14.6





#23

Vinyl Acetate

Concen: 378.472 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

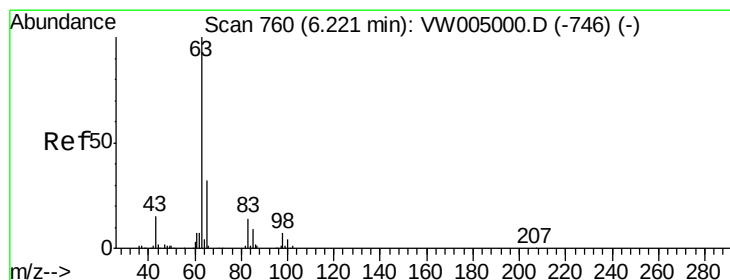
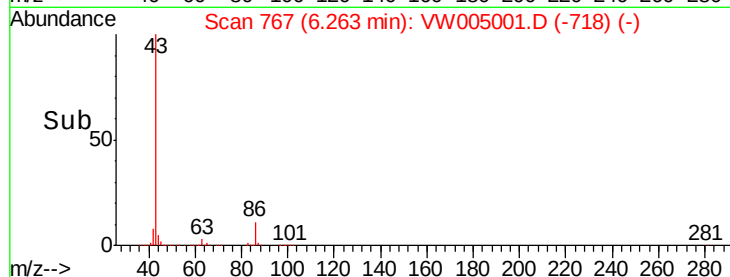
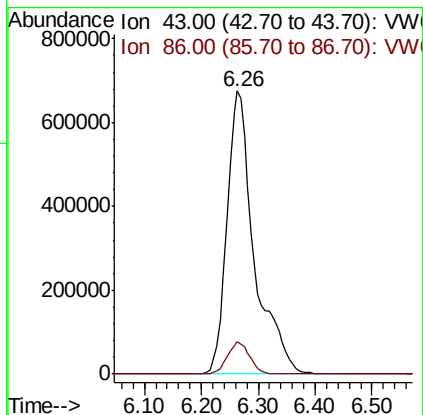
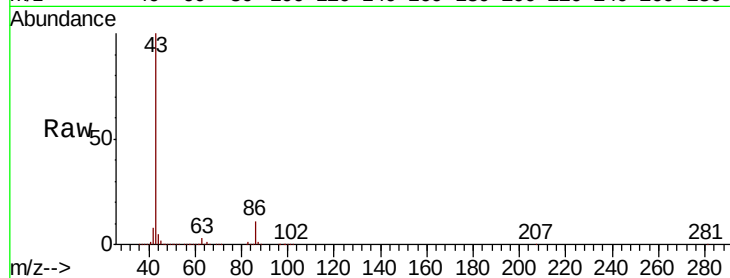
VSTDIC075

Tgt Ion: 43 Resp: 2254717

Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.6



#24

1,1-Dichloroethane

Concen: 65.987 ug/l

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

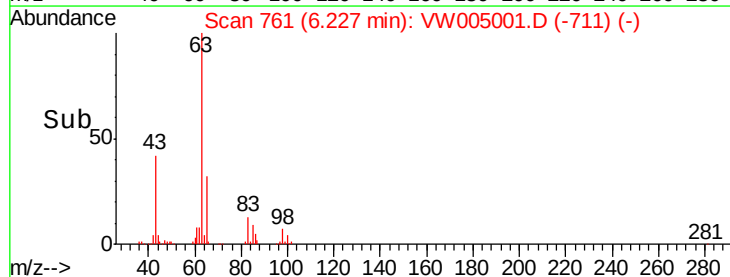
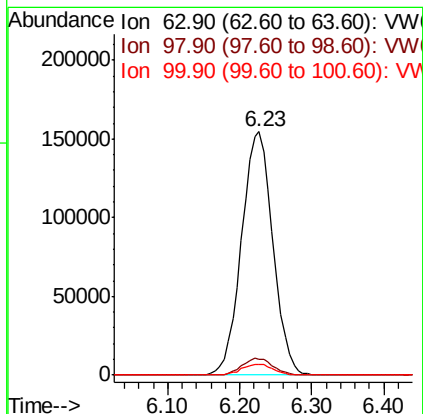
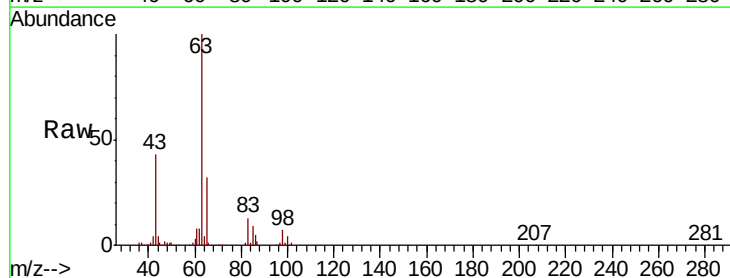
Tgt Ion: 63 Resp: 465218

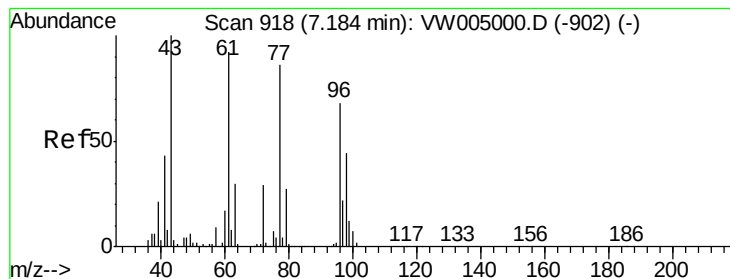
Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 357.222 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

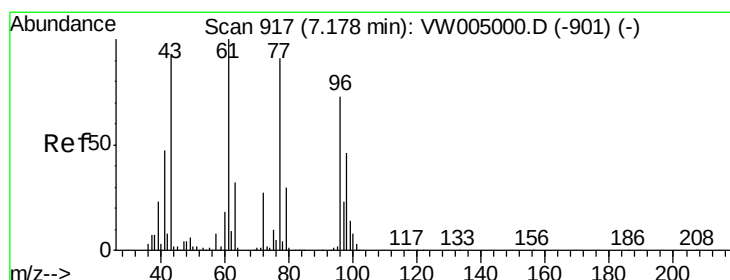
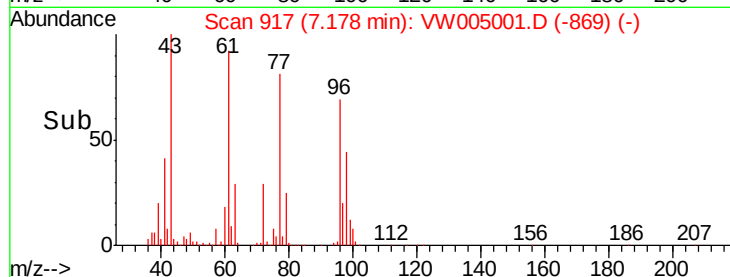
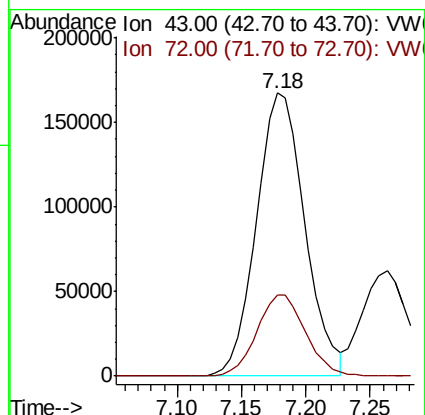
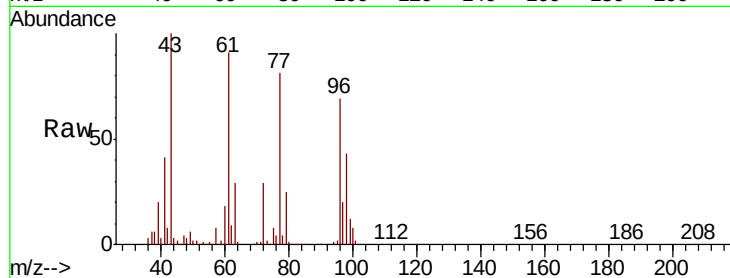
VSTDIC075

Tgt Ion: 43 Resp: 436226

Ion Ratio Lower Upper

43 100

72 28.8 23.4 35.2



#26

2,2-Dichloropropane

Concen: 63.908 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005001.D

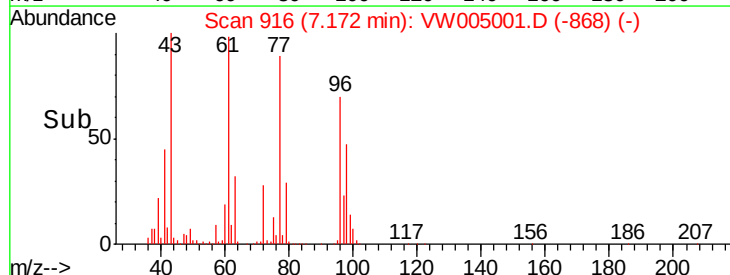
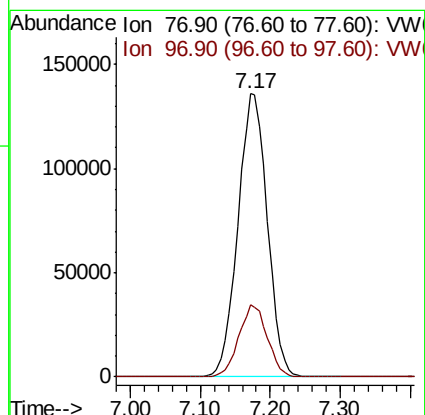
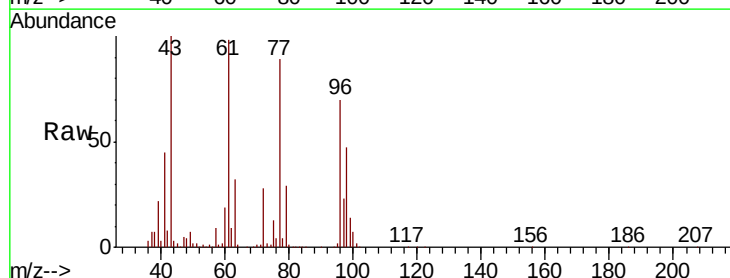
Acq: 29 Aug 2018 13:53

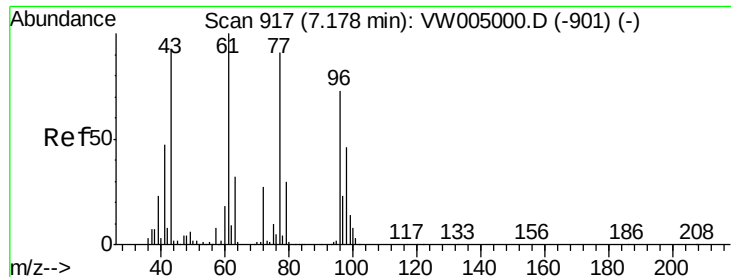
Tgt Ion: 77 Resp: 395467

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.4



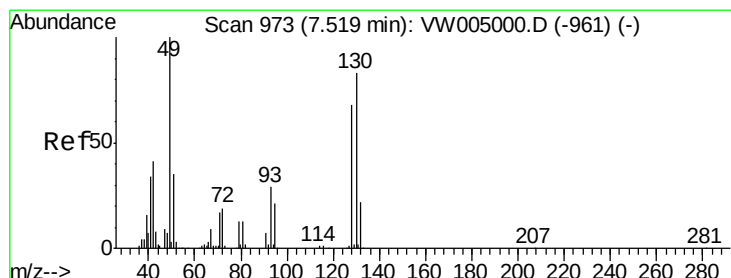
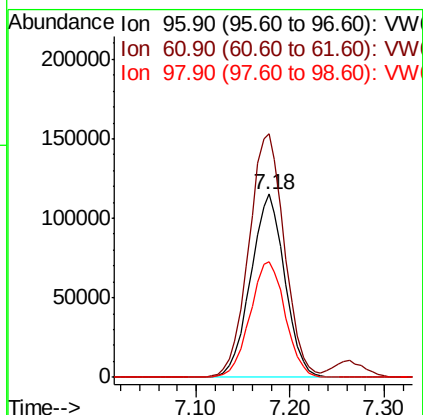
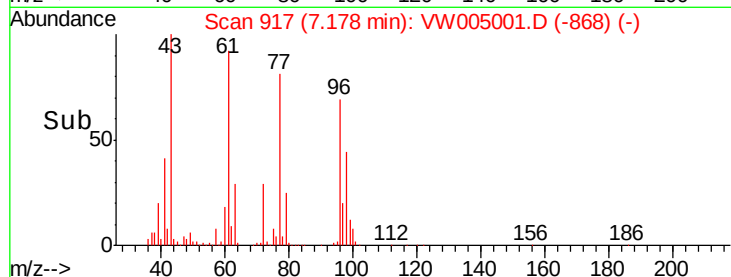
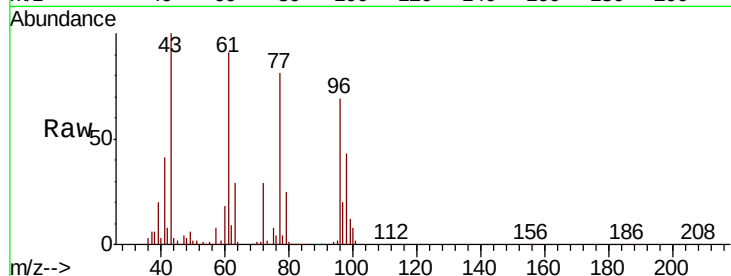


#27

cis-1,2-Dichloroethene
Concen: 66.822 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

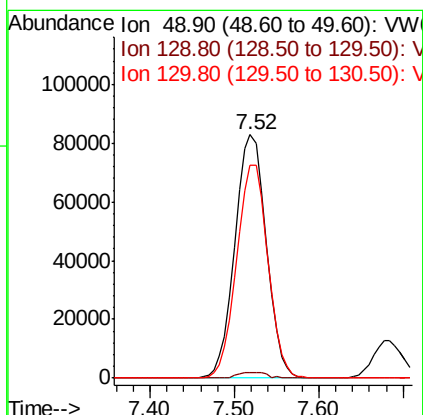
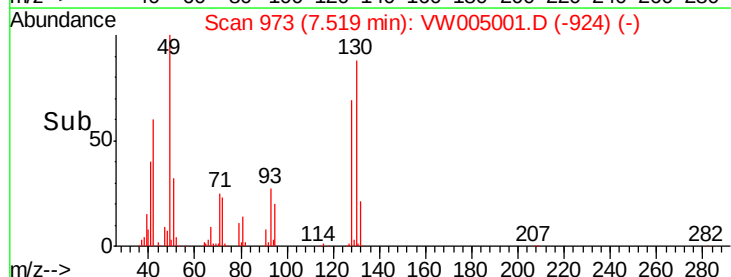
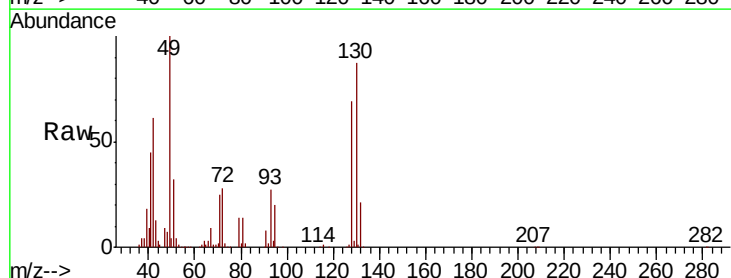
Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	281.6
98	65.0	0.0	129.0

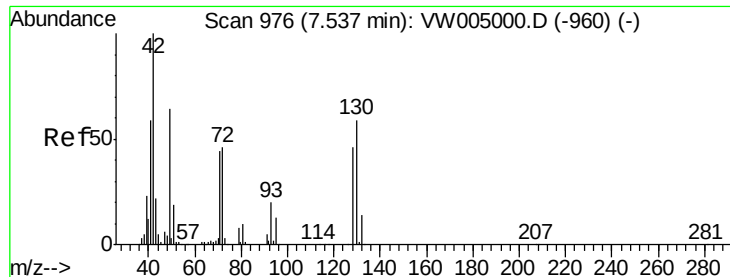


#28

Bromochloromethane
Concen: 67.403 ug/l
RT: 7.52 min Scan# 973
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	87.1	68.2	102.2





#29

Tetrahydrofuran

Concen: 367.287 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

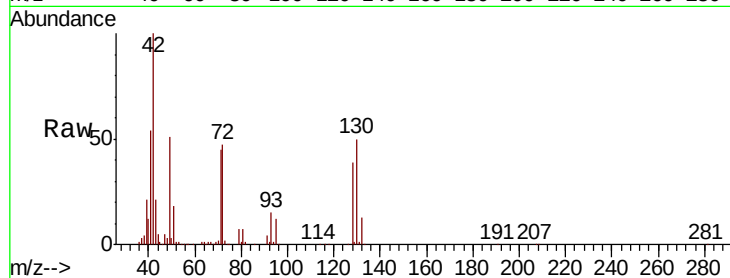
Tgt Ion: 42 Resp: 226575

Ion Ratio Lower Upper

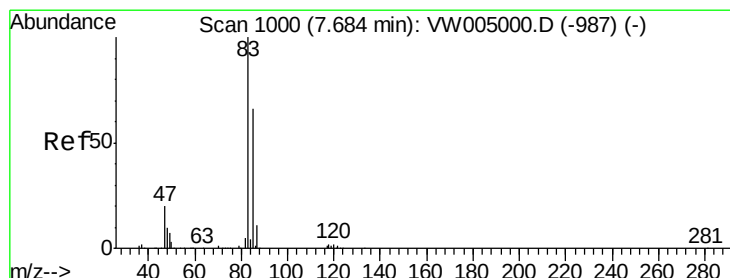
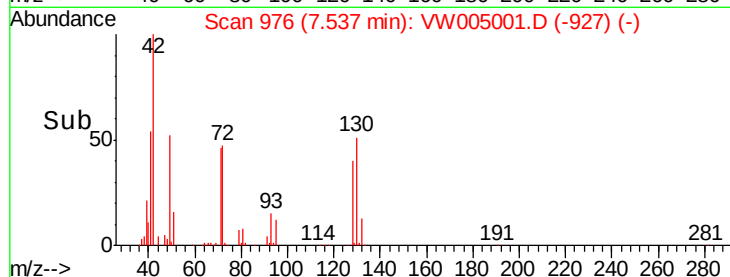
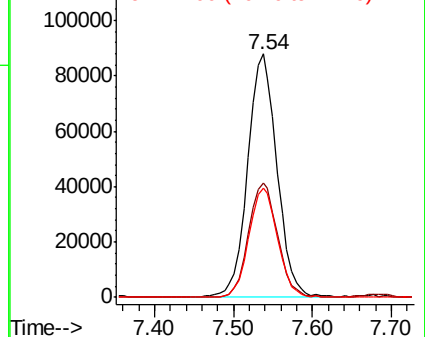
42 100

72 46.7 36.6 55.0

71 44.2 35.4 53.2



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



#30

Chloroform

Concen: 65.540 ug/l

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW005001.D

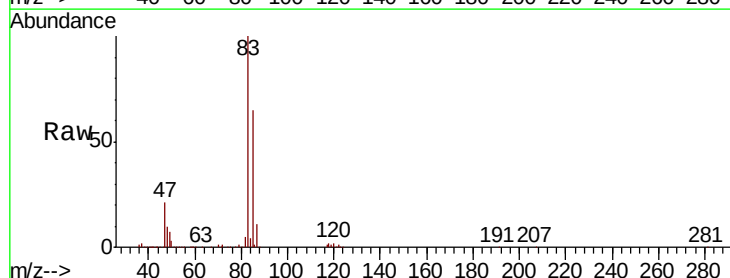
Acq: 29 Aug 2018 13:53

Tgt Ion: 83 Resp: 454487

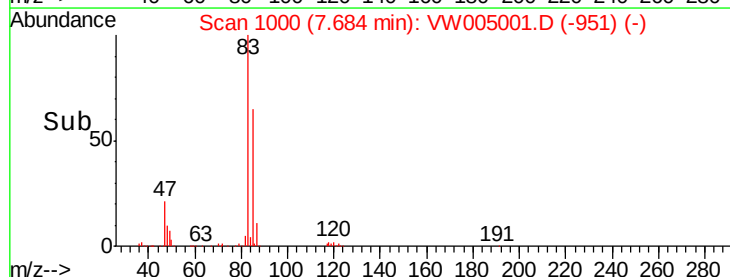
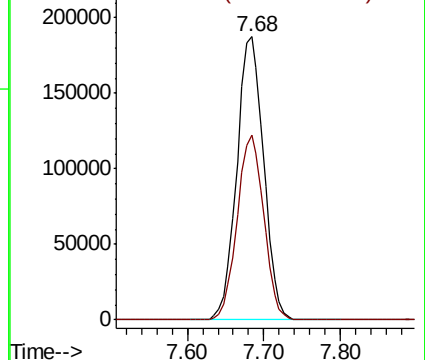
Ion Ratio Lower Upper

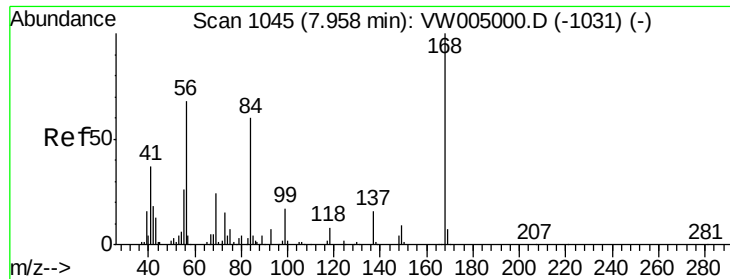
83 100

85 65.1 52.6 78.8



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

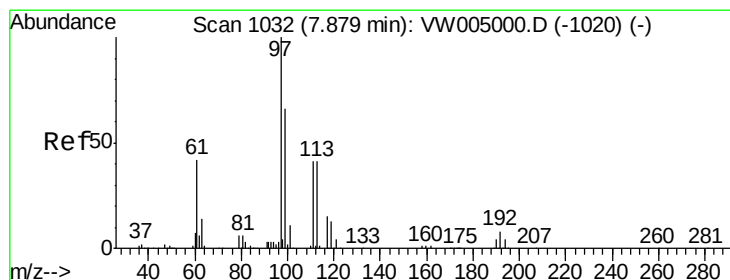
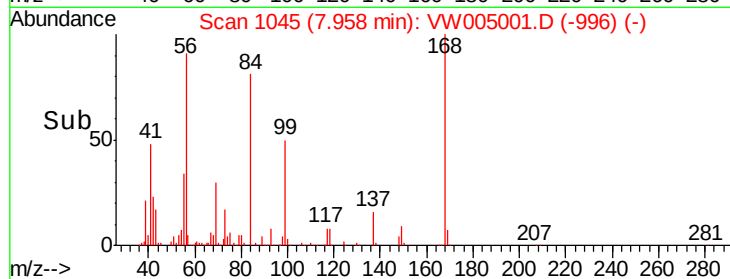
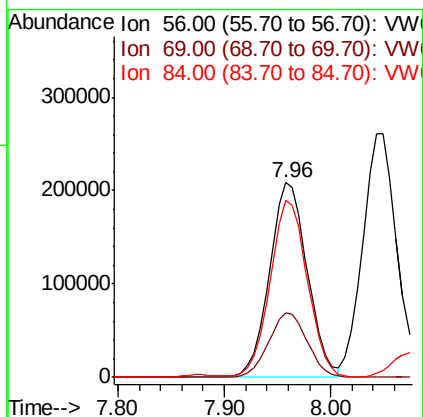
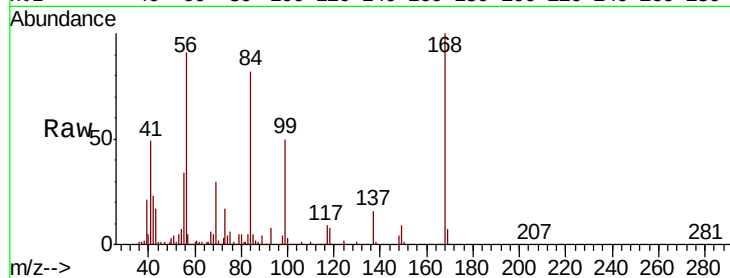




#31
Cyclohexane
Concen: 68.648 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

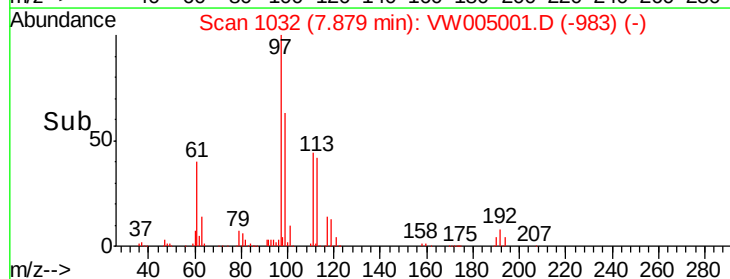
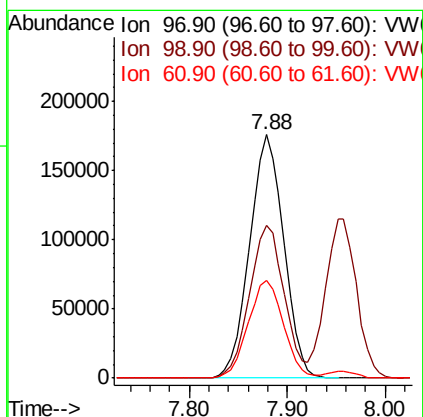
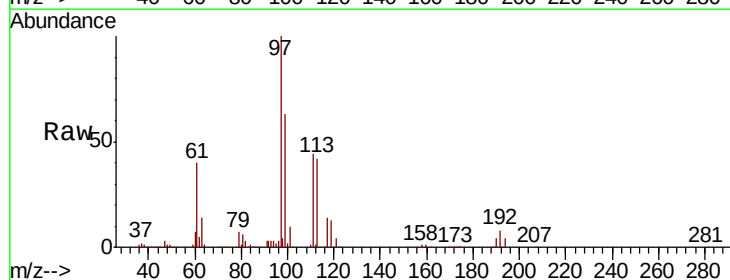
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

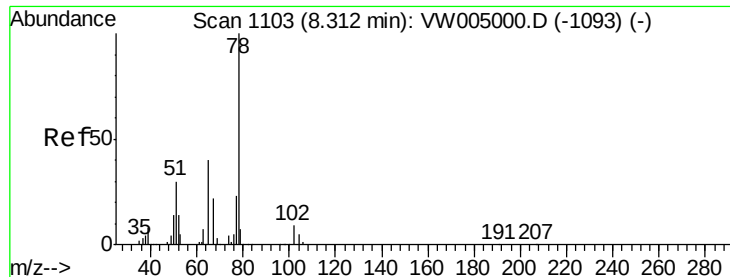
Tgt Ion: 56 Resp: 512940
Ion Ratio Lower Upper
56 100
69 33.3 27.9 41.9
84 89.8 70.5 105.7



#32
1,1,1-Trichloroethane
Concen: 66.774 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion: 97 Resp: 426058
Ion Ratio Lower Upper
97 100
99 64.4 52.3 78.5
61 41.3 33.2 49.8

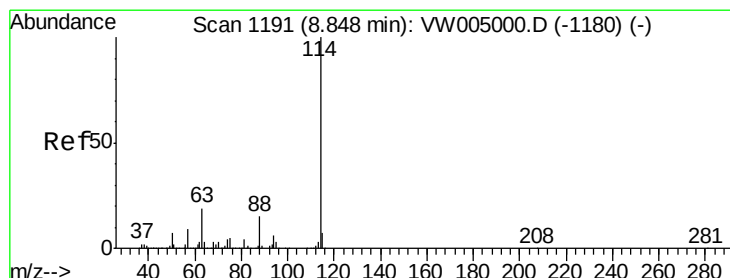
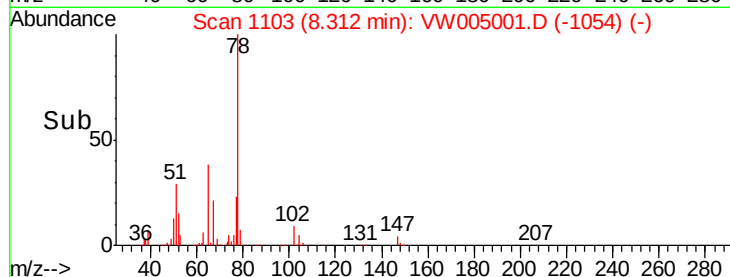
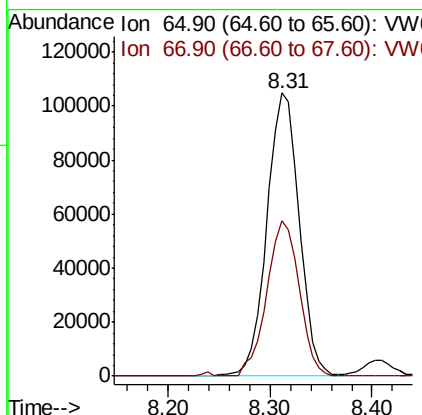
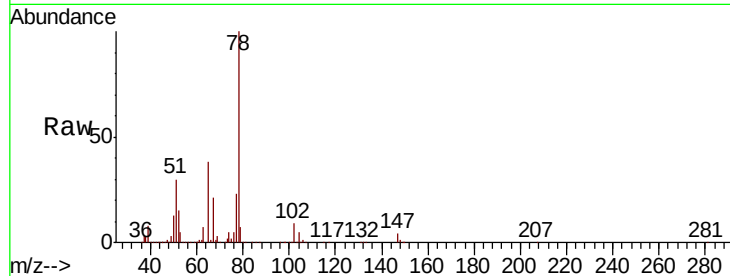




#33
 1,2-Dichloroethane-d4
 Concen: 66.160 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

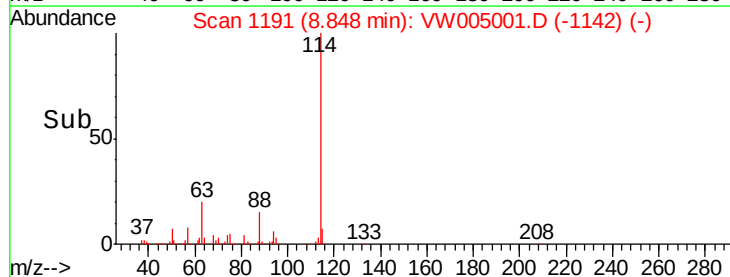
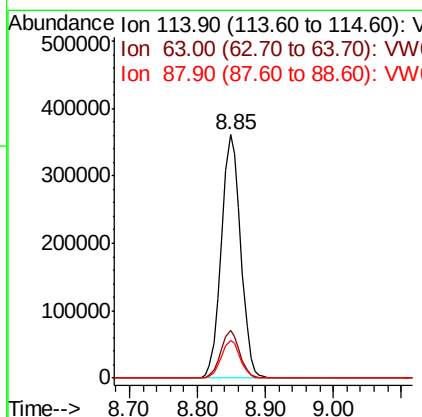
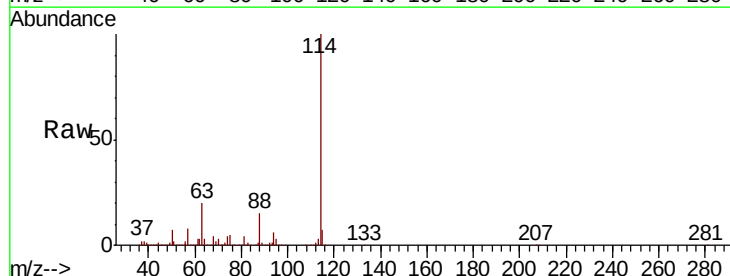
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

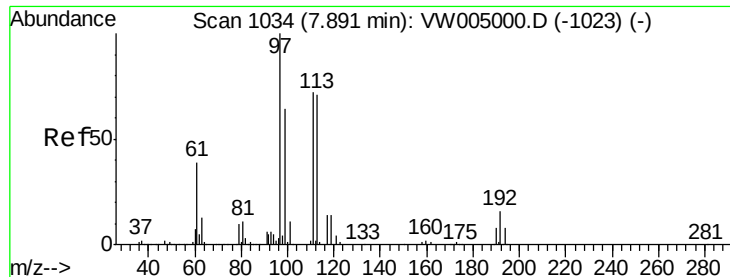
Tgt Ion: 65 Resp: 229741
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 114 Resp: 709682
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.4
 88 15.4 0.0 30.6

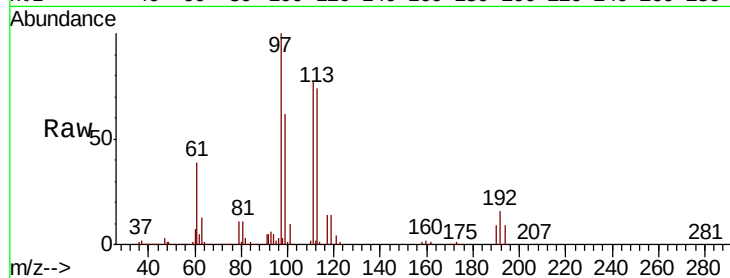




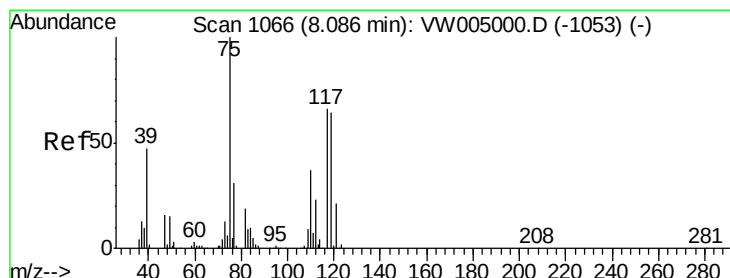
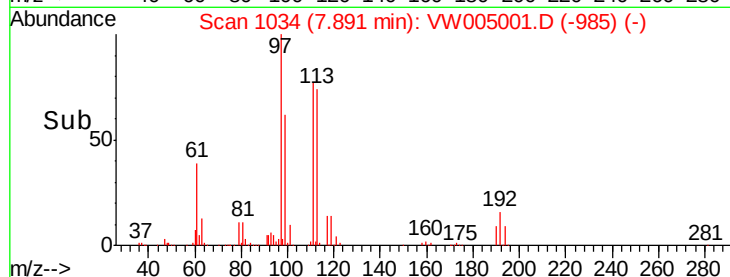
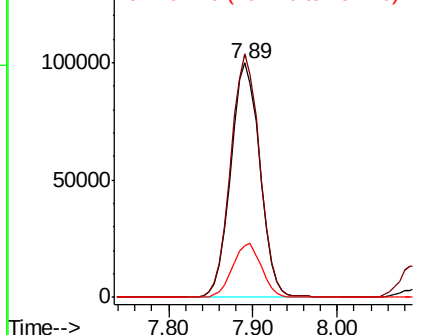
#35
 Dibromofluoromethane
 Concen: 66.387 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC075

Tgt Ion: 113 Resp: 233469
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.3 121.9
 192 22.7 17.8 26.8

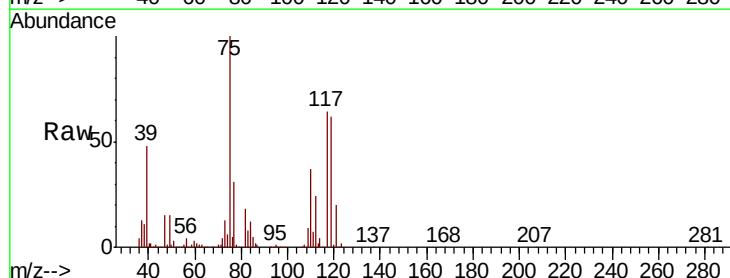


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

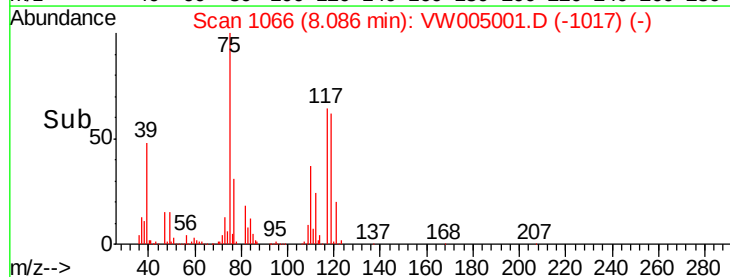
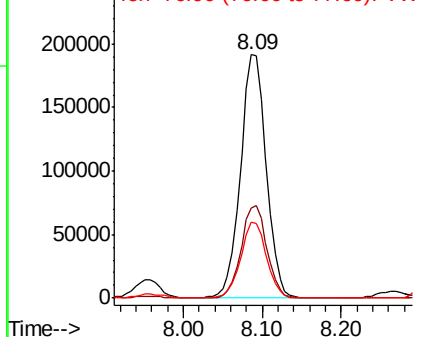


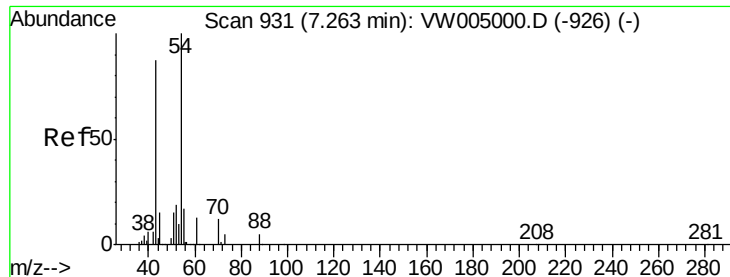
#36
 1,1-Dichloropropene
 Concen: 72.216 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 75 Resp: 434249
 Ion Ratio Lower Upper
 75 100
 110 38.1 18.7 56.1
 77 31.6 24.9 37.3



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

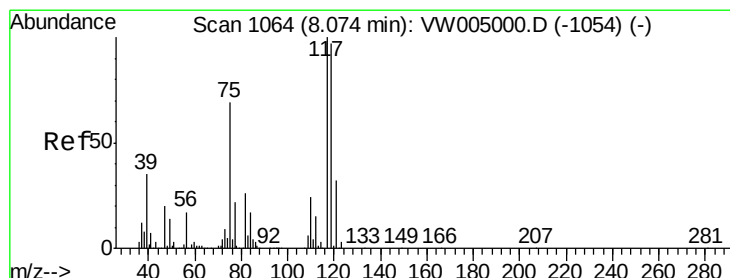
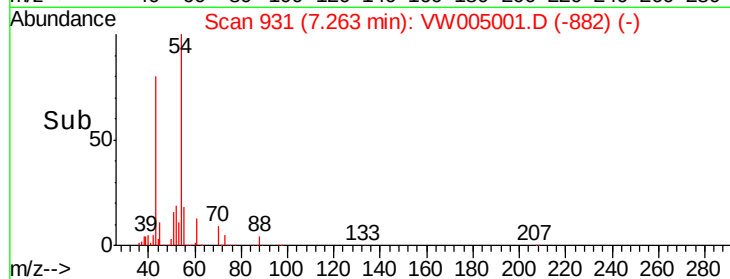
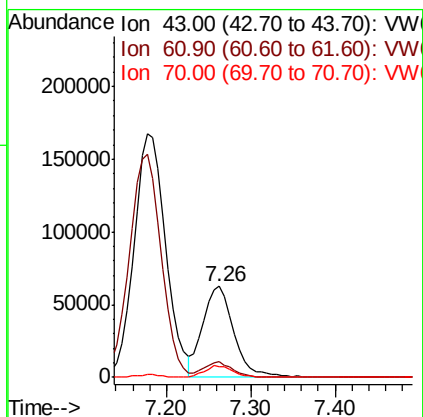
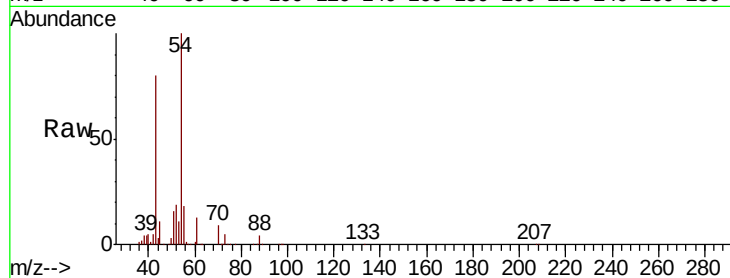




#37
 Ethyl Acetate
 Concen: 73.649 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

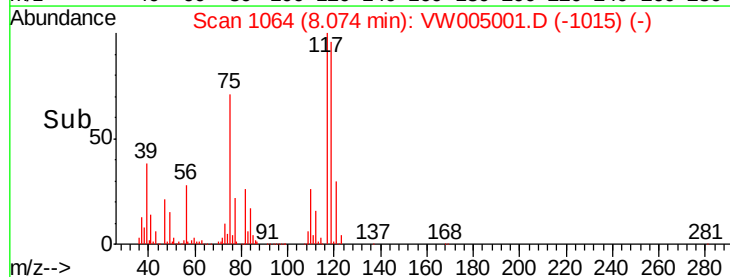
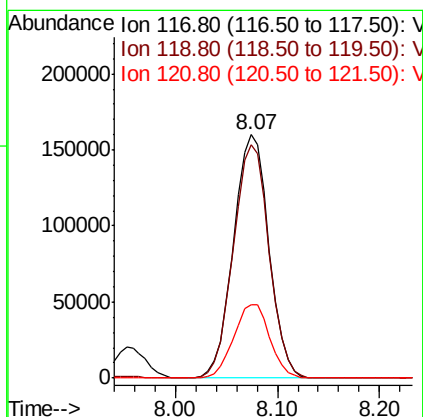
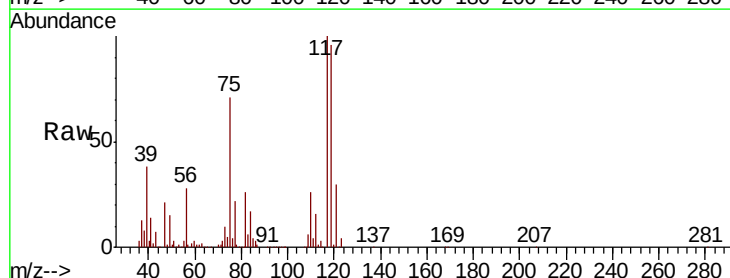
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

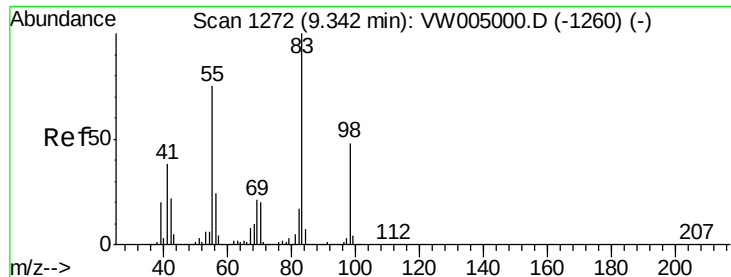
Tgt Ion: 43 Resp: 159629
 Ion Ratio Lower Upper
 43 100
 61 15.4 12.3 18.5
 70 11.5 9.7 14.5



#38
 Carbon Tetrachloride
 Concen: 66.232 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 117 Resp: 385428
 Ion Ratio Lower Upper
 117 100
 119 95.7 77.8 116.8
 121 30.3 25.2 37.8

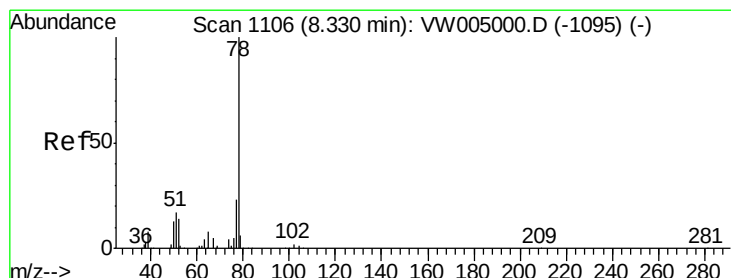
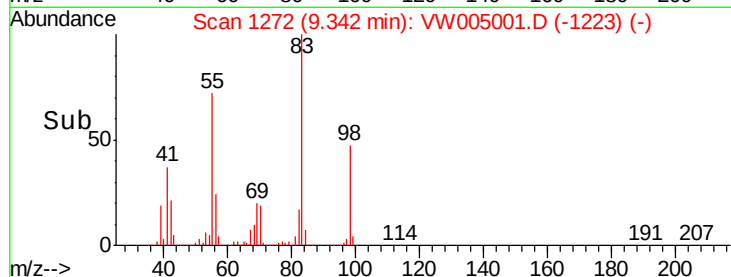
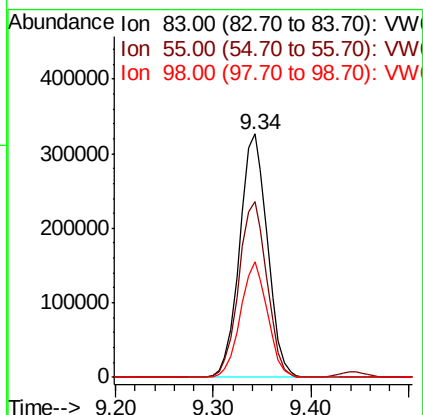
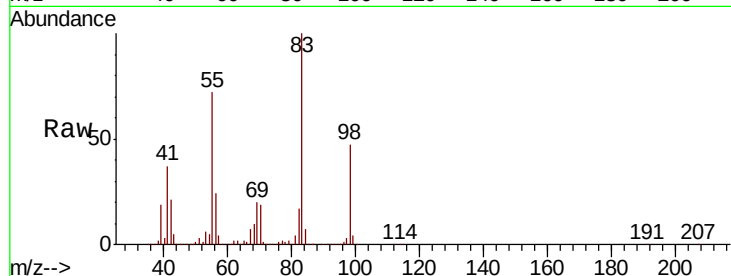




#39
Methylcyclohexane
Concen: 77.476 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

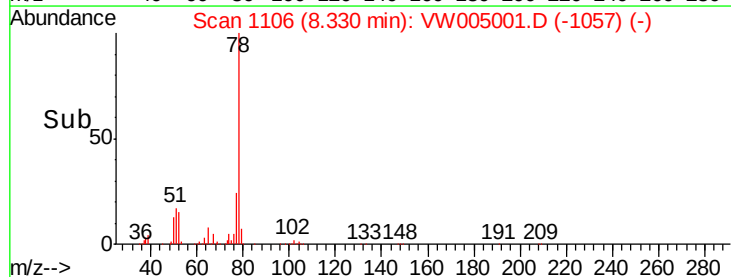
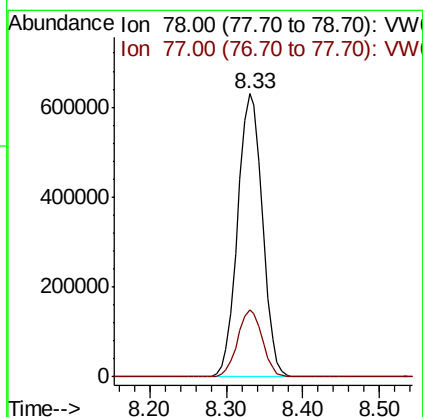
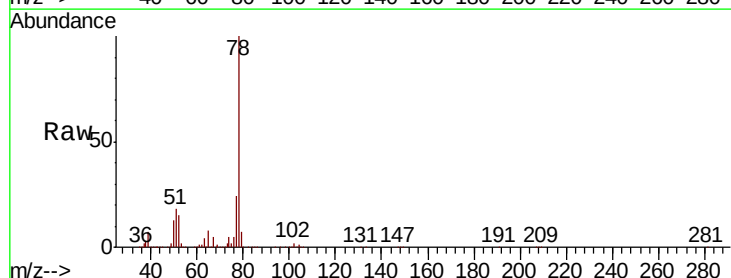
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

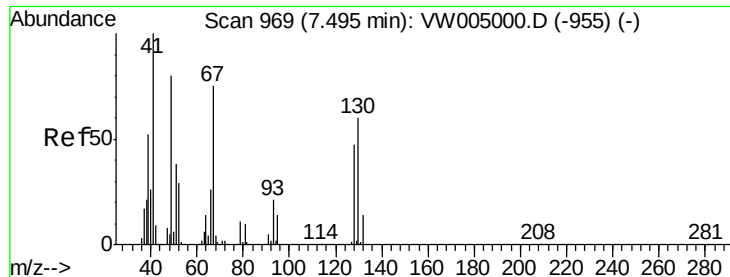
Tgt Ion: 83 Resp: 642217
Ion Ratio Lower Upper
83 100
55 72.3 60.2 90.2
98 47.4 38.6 57.8



#40
Benzene
Concen: 73.344 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion: 78 Resp: 1411714
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

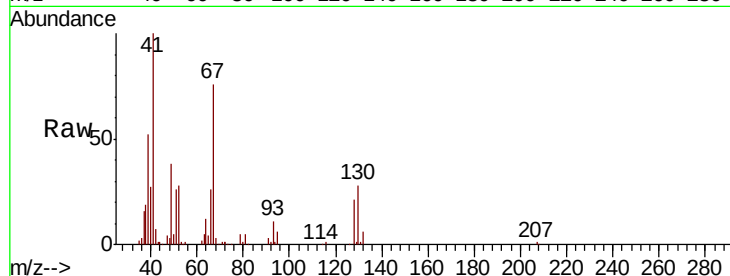




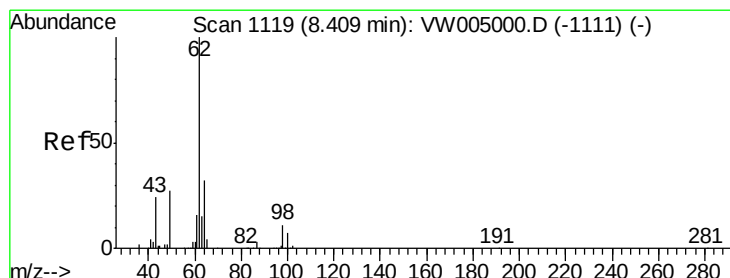
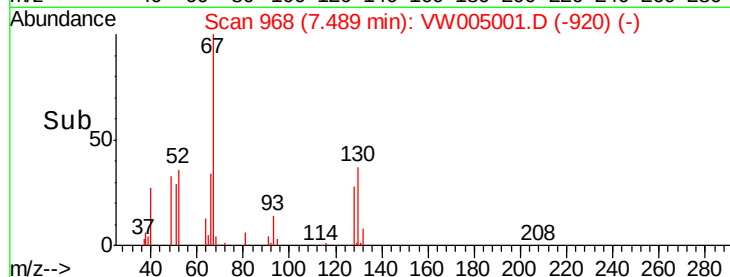
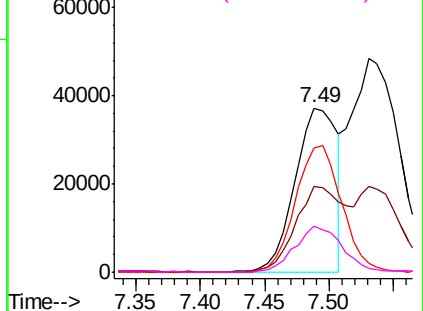
#41
Methacrylonitrile
Concen: 66.526 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

Tgt Ion:	41	Resp:	84028
Ion	Ratio	Lower	Upper
41	100		
39	64.1	42.0	63.0#
67	84.8	63.4	95.2
52	32.2	24.6	37.0

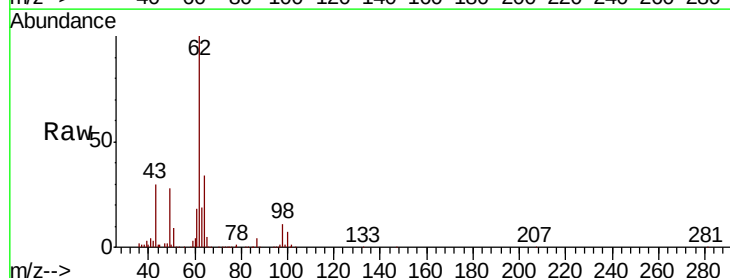


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

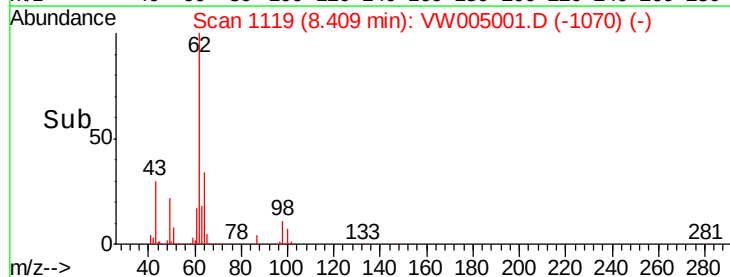
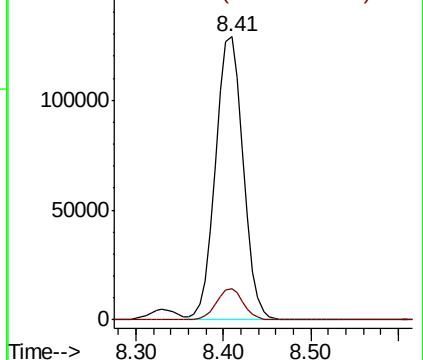


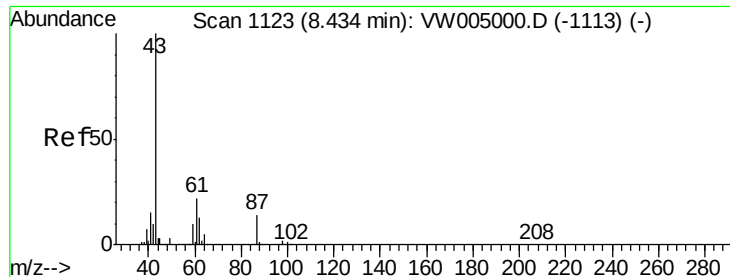
#42
1,2-Dichloroethane
Concen: 65.923 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion:	62	Resp:	282343
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.8



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





#43

Isopropyl Acetate

Concen: 75.194 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

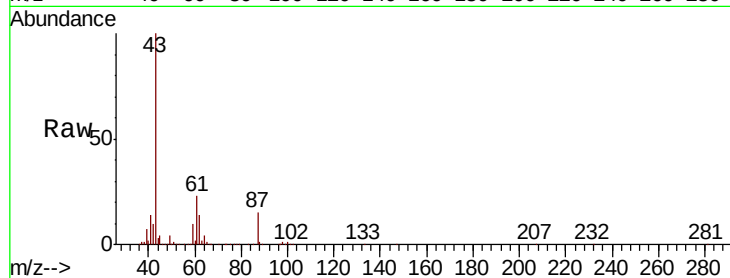
Tgt Ion: 43 Resp: 324294

Ion Ratio Lower Upper

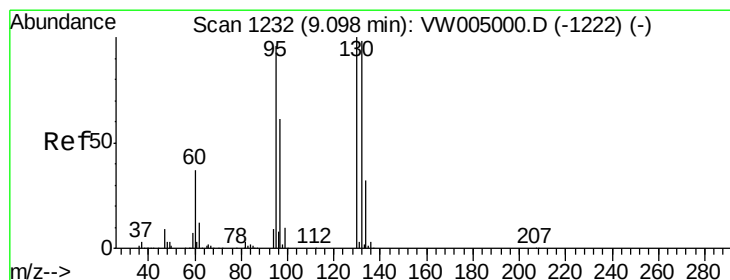
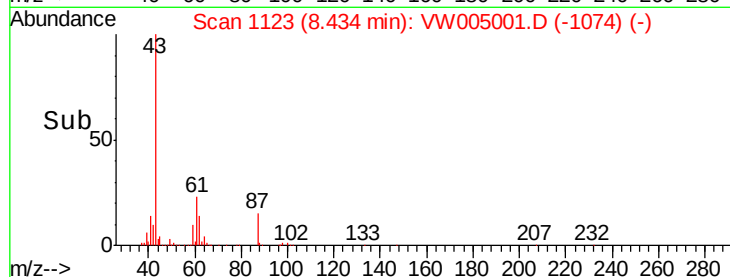
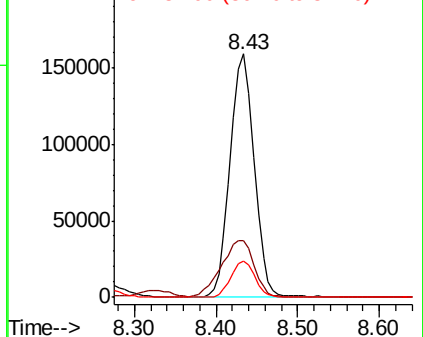
43 100

61 31.5 26.2 39.4

87 14.7 11.8 17.6



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: 71.849 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW005001.D

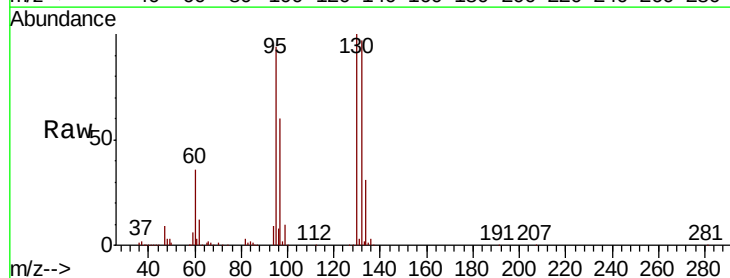
Acq: 29 Aug 2018 13:53

Tgt Ion: 130 Resp: 353234

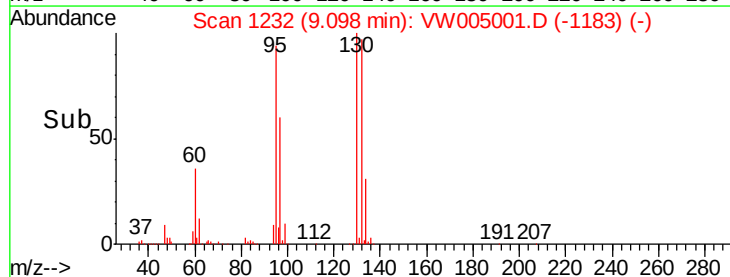
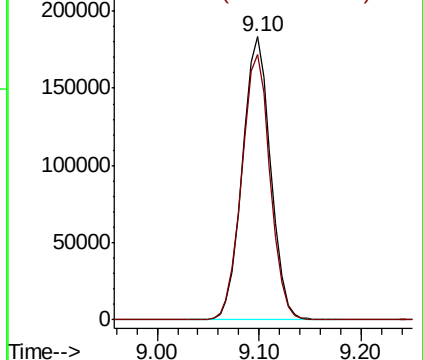
Ion Ratio Lower Upper

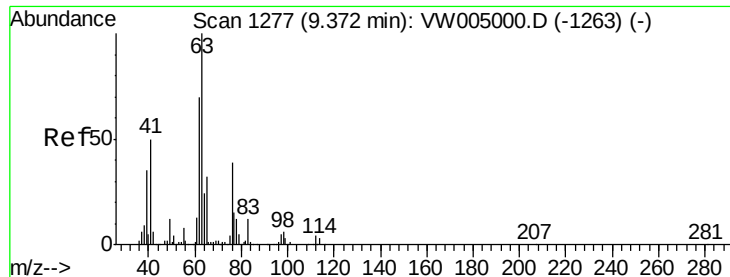
130 100

95 93.9 0.0 192.2



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

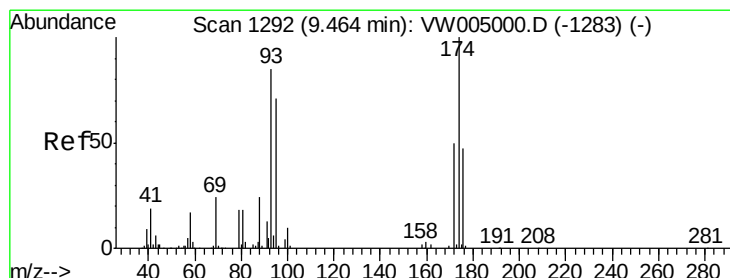
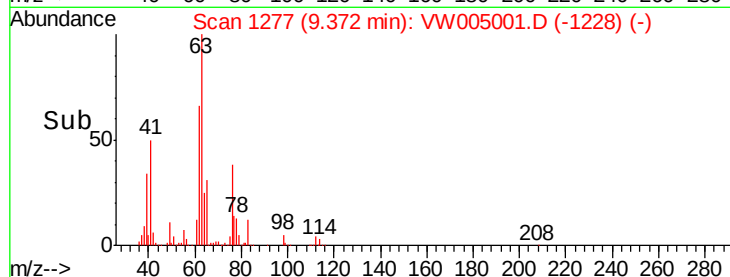
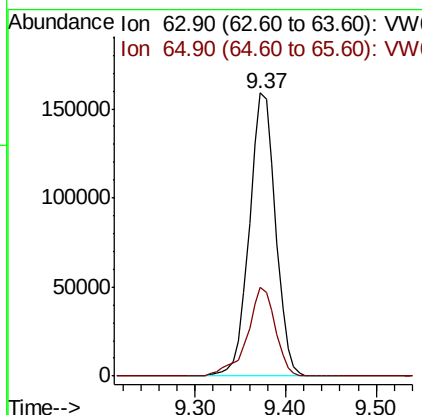
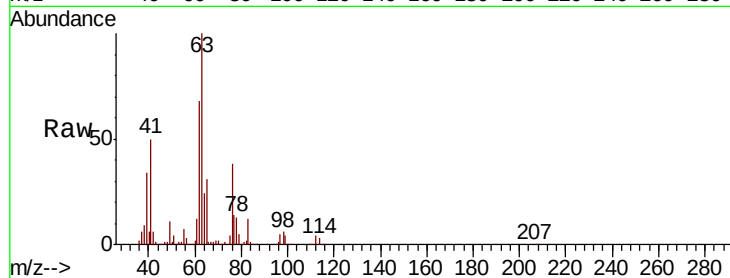




#45
 1,2-Dichloropropane
 Concen: 72.192 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

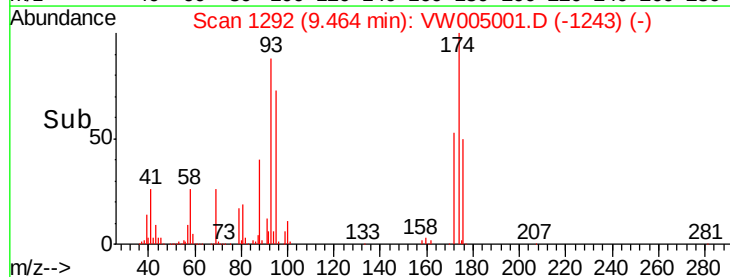
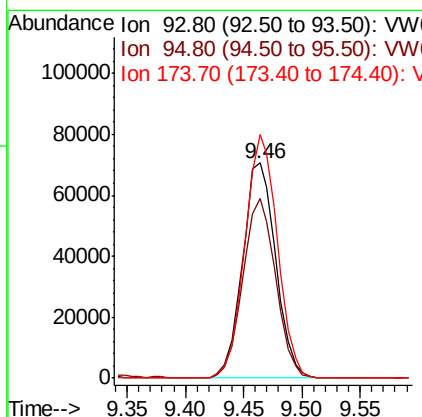
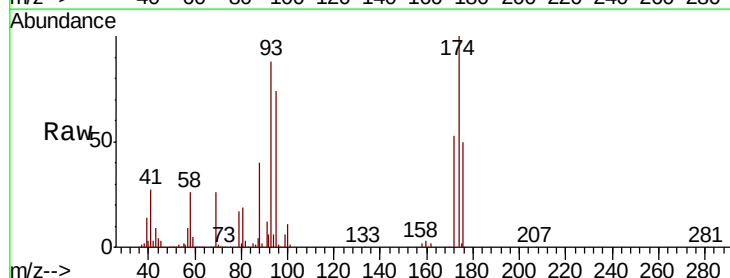
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

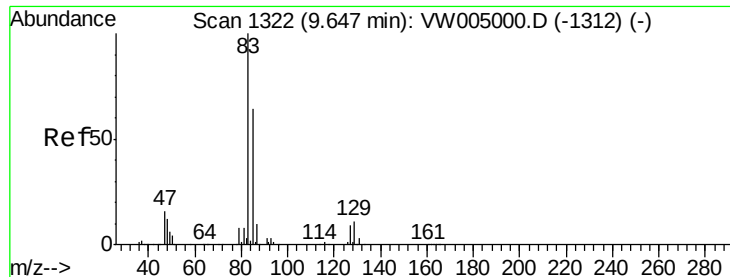
Tgt Ion: 63 Resp: 317922
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.3 37.9



#46
 Dibromomethane
 Concen: 67.251 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 93 Resp: 140173
 Ion Ratio Lower Upper
 93 100
 95 82.7 68.0 102.0
 174 111.0 91.4 137.0





#47

Bromodichloromethane

Concen: 67.531 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

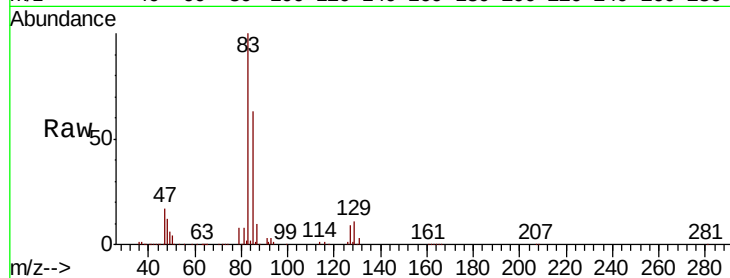
Tgt Ion: 83 Resp: 347802

Ion Ratio Lower Upper

83 100

85 62.9 51.3 76.9

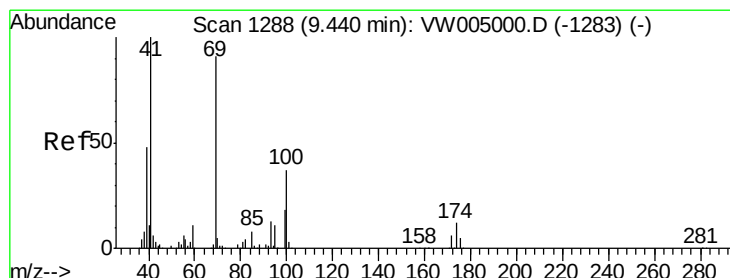
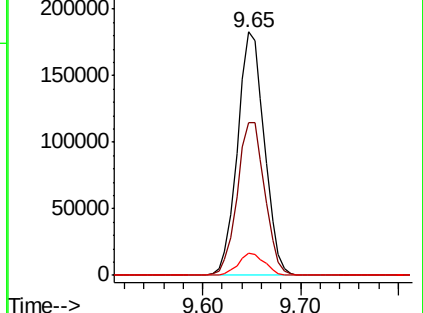
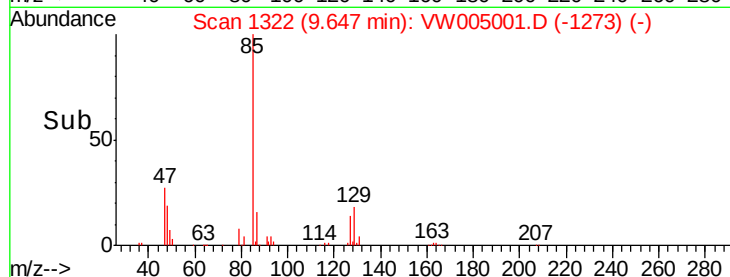
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 81.704 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

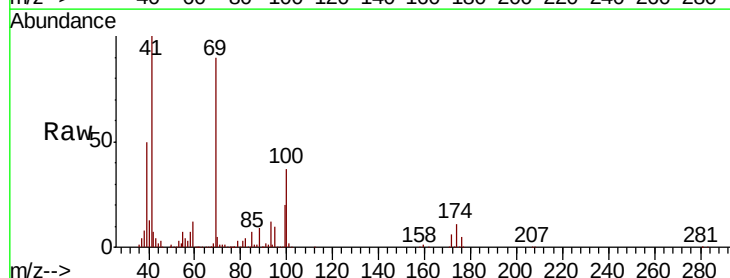
Tgt Ion: 41 Resp: 187090

Ion Ratio Lower Upper

41 100

69 92.9 72.5 108.7

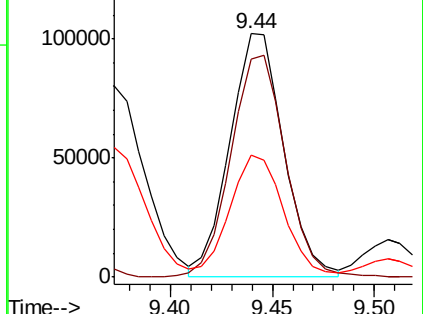
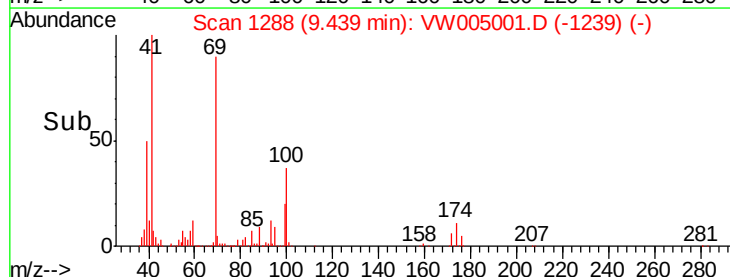
39 46.5 37.0 55.6

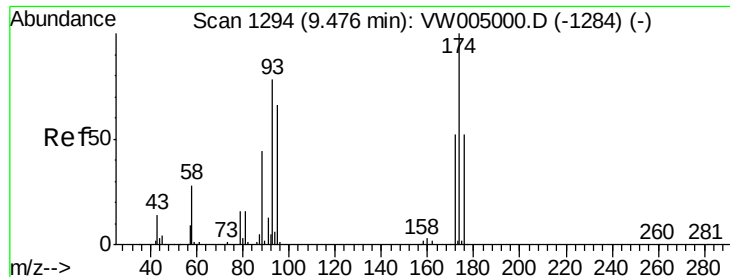


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1509.098 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

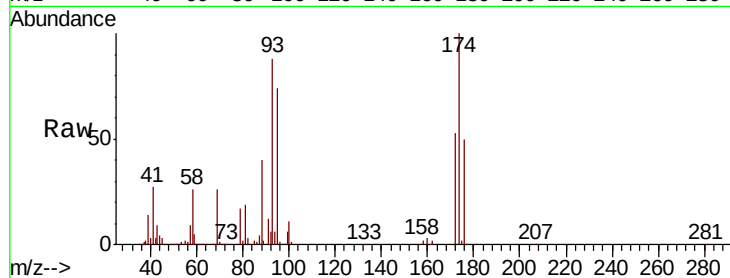
Tgt Ion: 88 Resp: 65274

Ion Ratio Lower Upper

88 100

43 24.4 0.0 0.0#

58 71.5 57.0 85.4

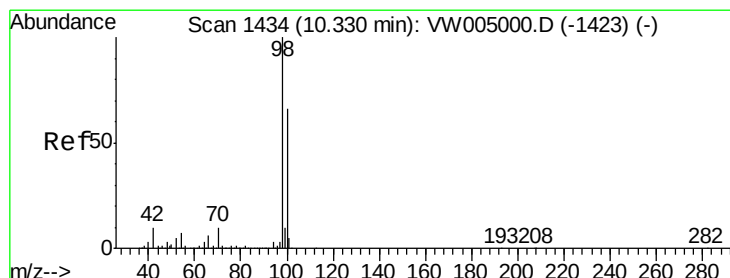
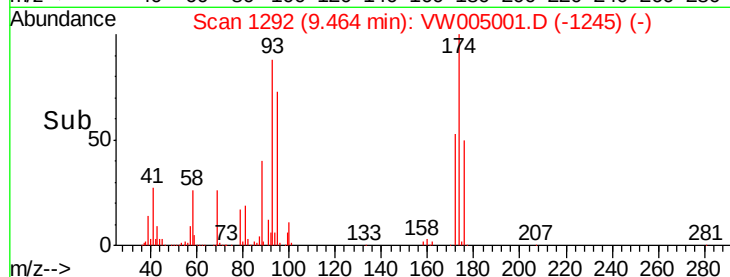
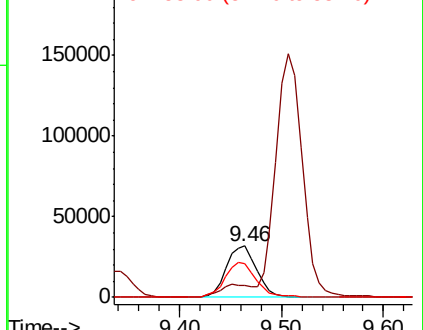


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 73.673 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW005001.D

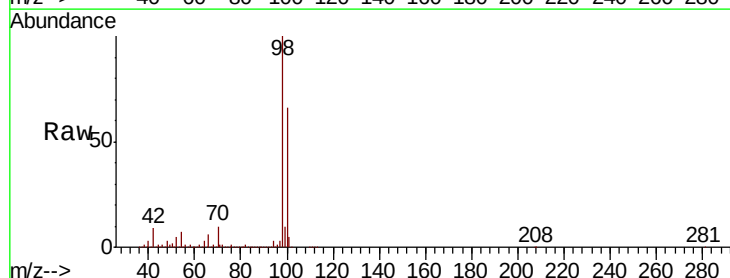
Acq: 29 Aug 2018 13:53

Tgt Ion: 98 Resp: 1422467

Ion Ratio Lower Upper

98 100

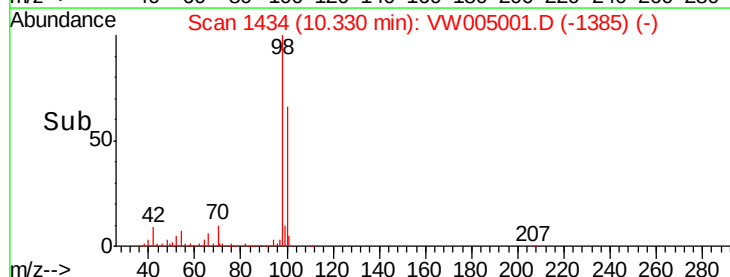
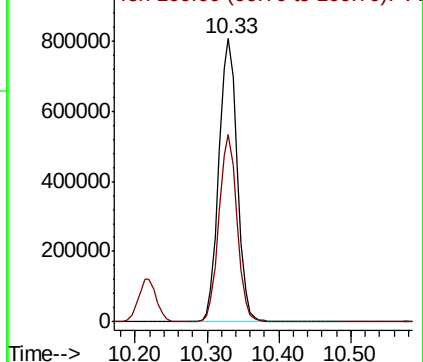
100 65.2 51.9 77.9

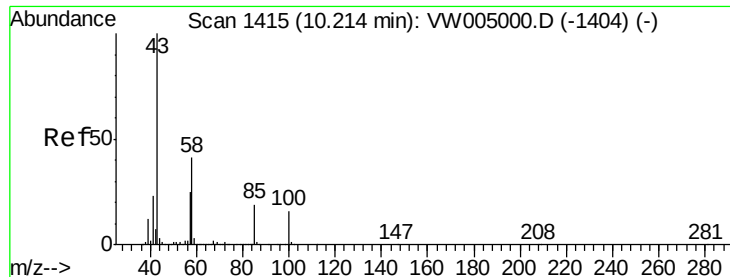


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

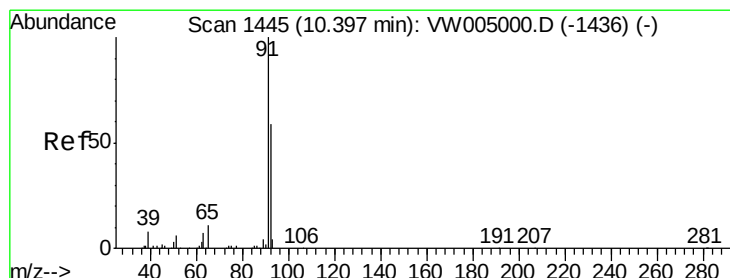
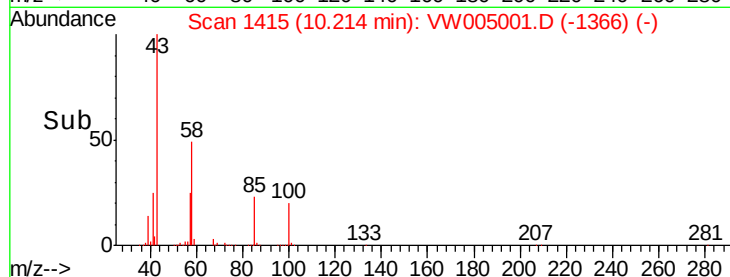
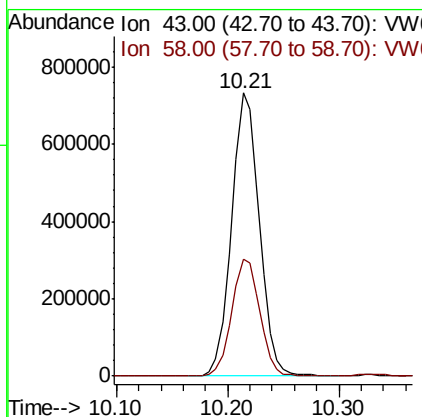
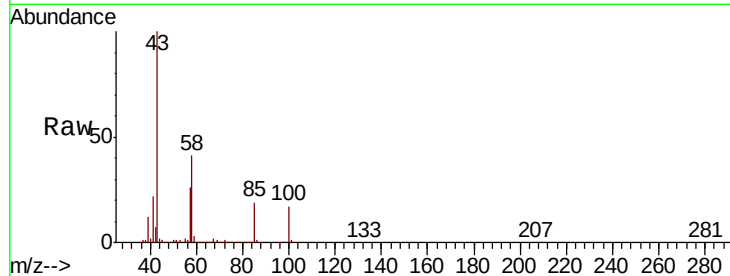




#51
 4-Methyl-2-Pentanone
 Concen: 391.232 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

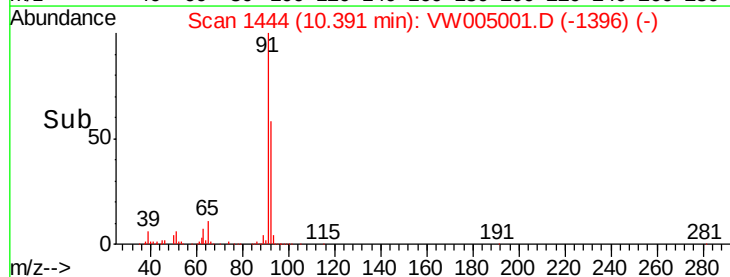
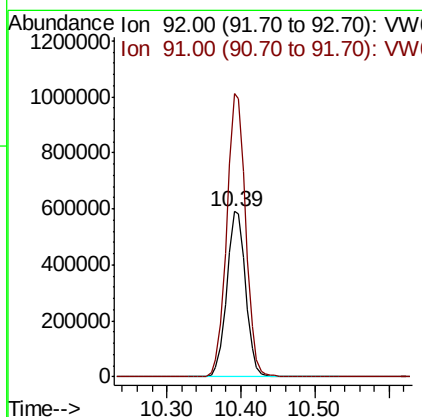
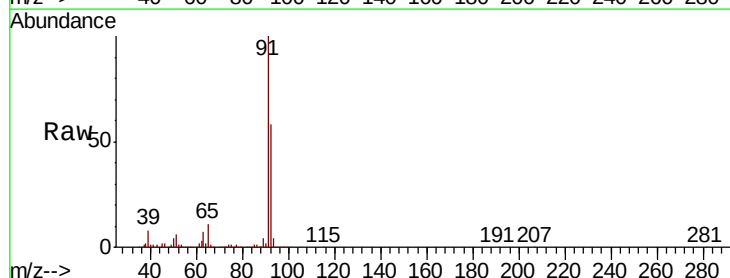
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

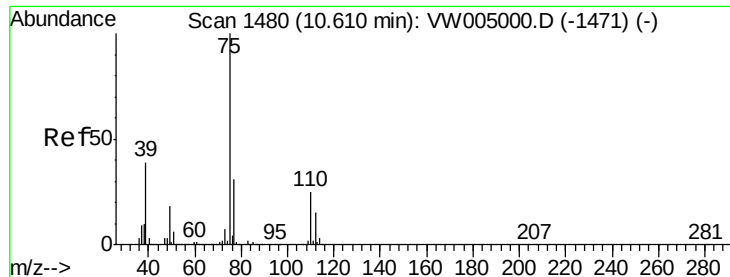
Tgt Ion: 43 Resp: 1263716
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.5 50.3



#52
 Toluene
 Concen: 73.504 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.01 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion: 92 Resp: 1049642
 Ion Ratio Lower Upper
 92 100
 91 171.6 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 76.550 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

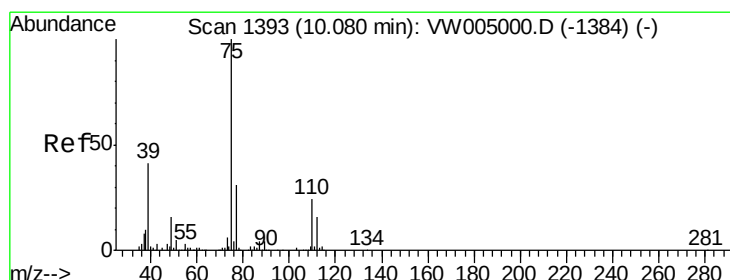
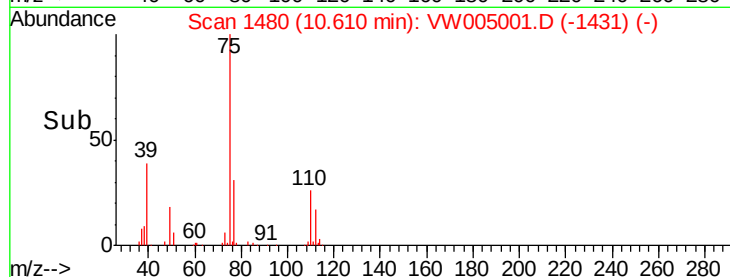
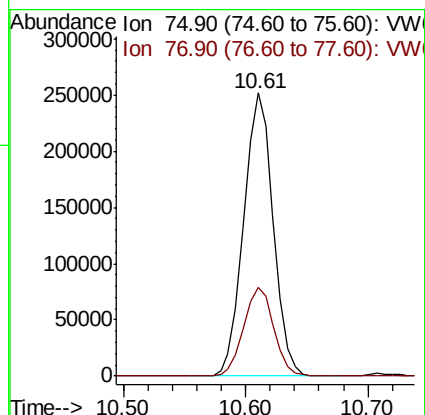
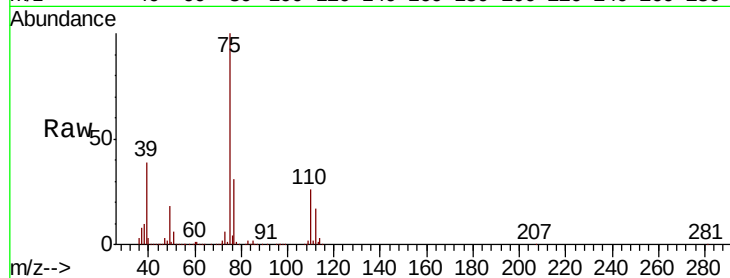
VSTDIC075

Tgt Ion: 75 Resp: 421050

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 73.611 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

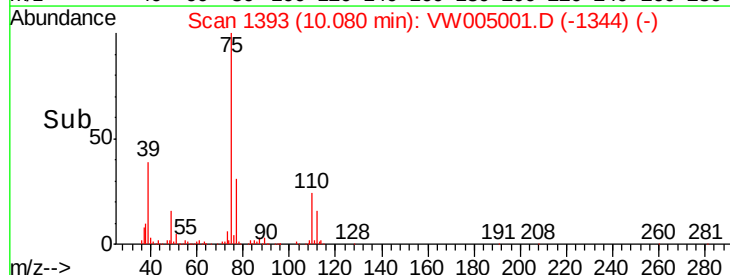
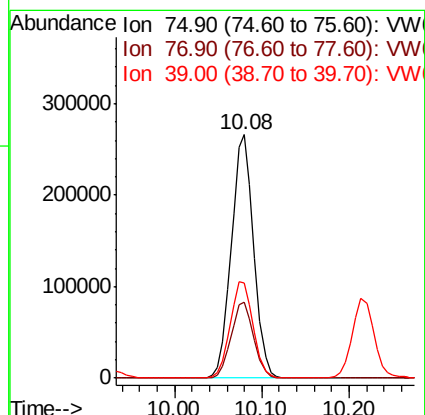
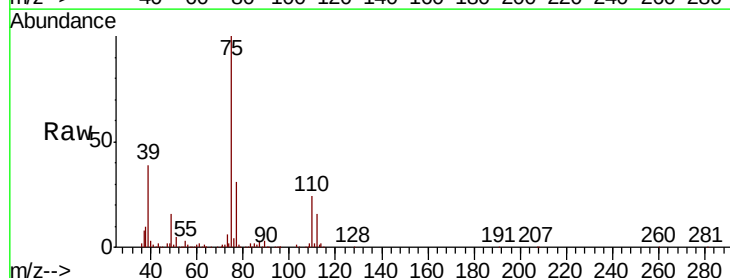
Tgt Ion: 75 Resp: 472135

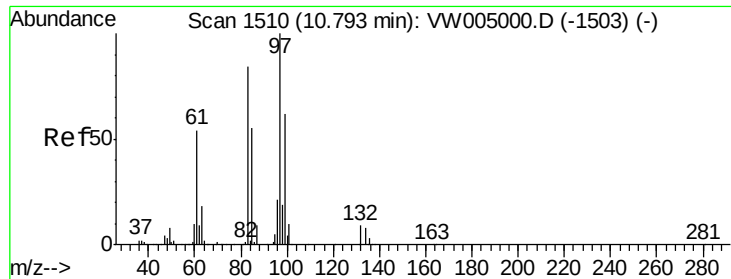
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 39.2 32.9 49.3

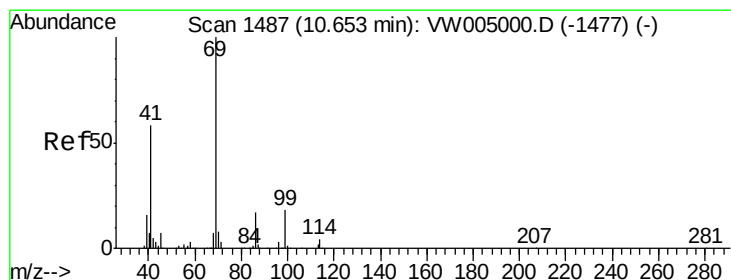
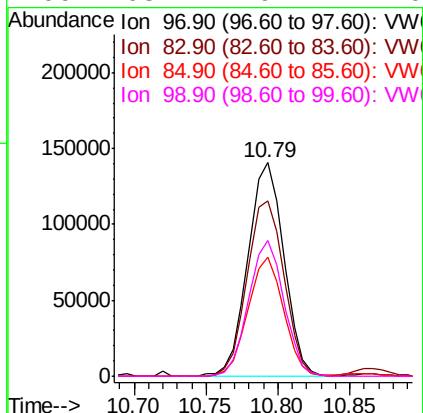
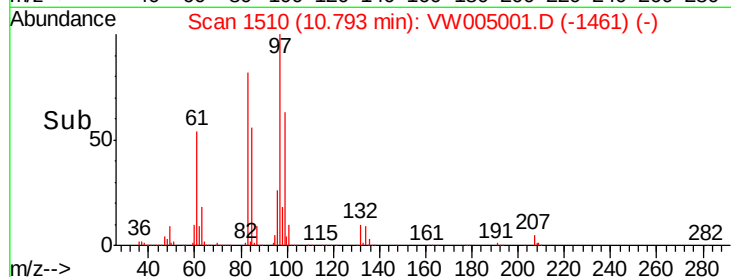
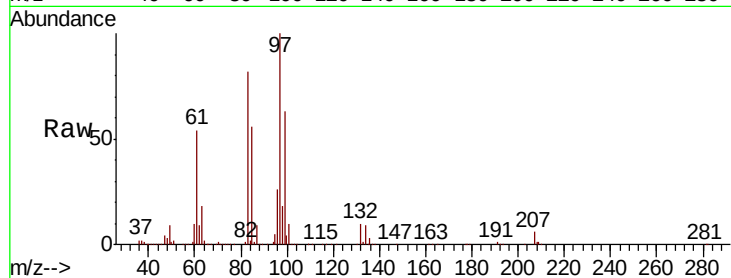




#55
 1,1,2-Trichloroethane
 Concen: 71.345 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

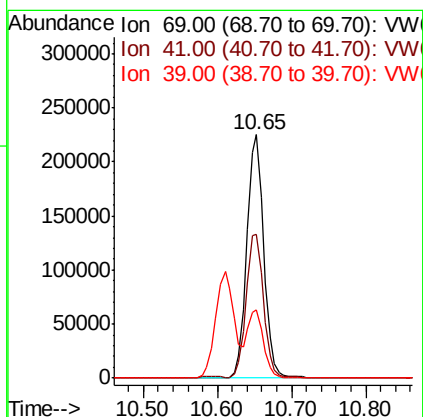
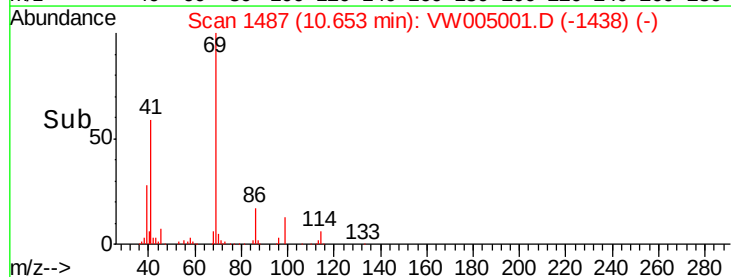
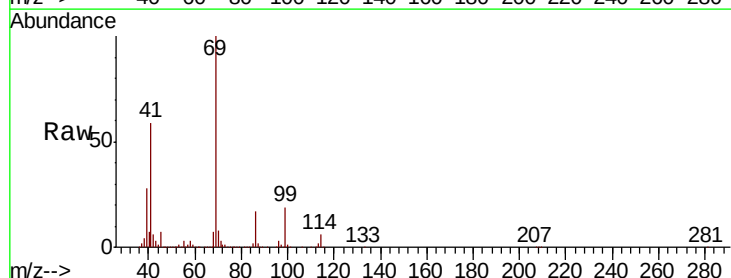
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

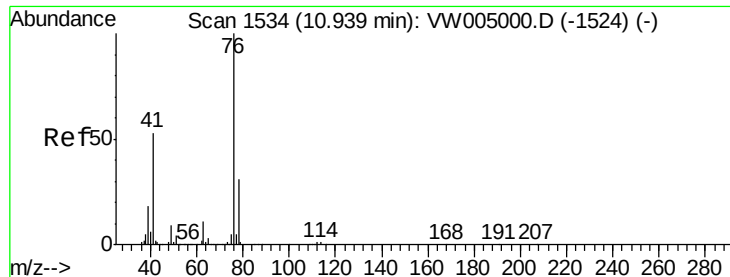
Tgt Ion:	97	Resp:	243403
Ion	Ratio	Lower	Upper
97	100		
83	82.2	67.3	100.9
85	55.6	44.3	66.5
99	63.2	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 80.507 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion:	69	Resp:	360263
Ion	Ratio	Lower	Upper
69	100		
41	60.6	47.7	71.5
39	26.2	21.0	31.6





#57

1,3-Dichloropropane

Concen: 73.962 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

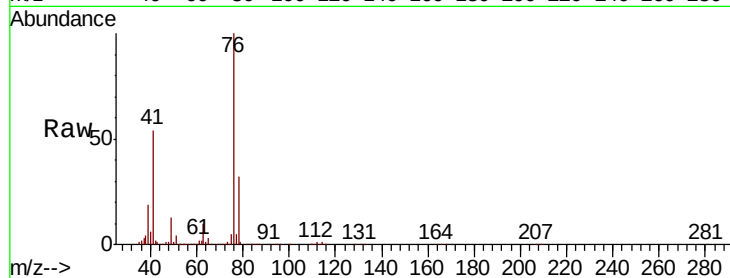
VSTDIC075

Tgt Ion: 76 Resp: 415213

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.94

250000

200000

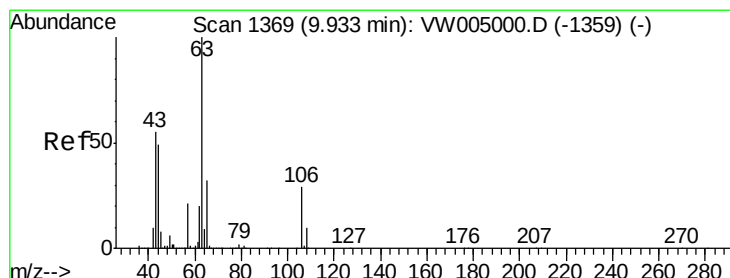
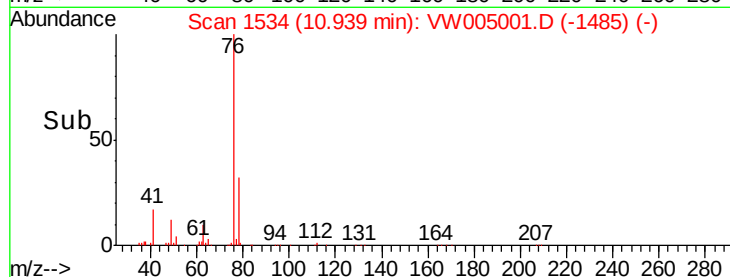
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 402.854 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW005001.D

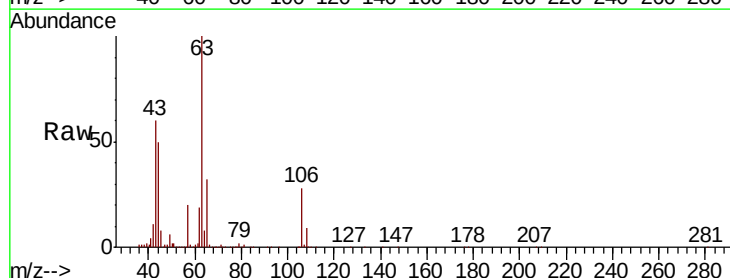
Acq: 29 Aug 2018 13:53

Tgt Ion: 63 Resp: 776660

Ion Ratio Lower Upper

63 100

106 28.7 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

500000

400000

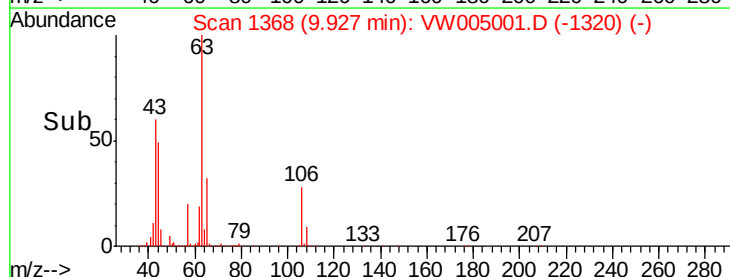
300000

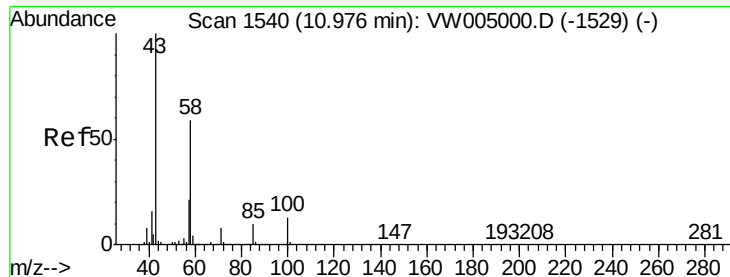
200000

100000

0

Time-->

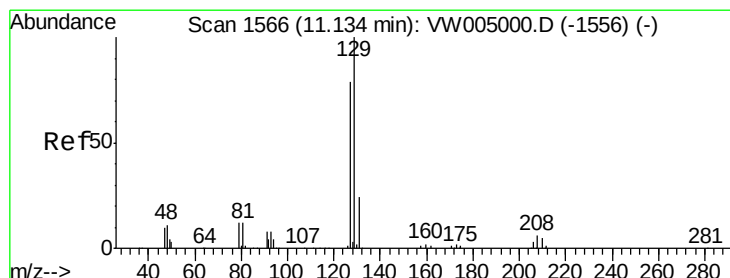
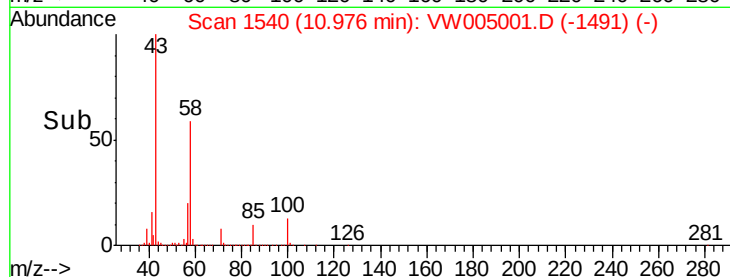
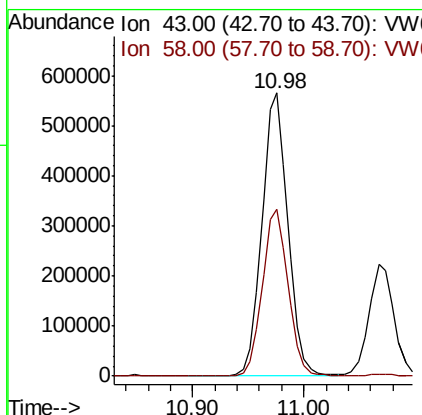
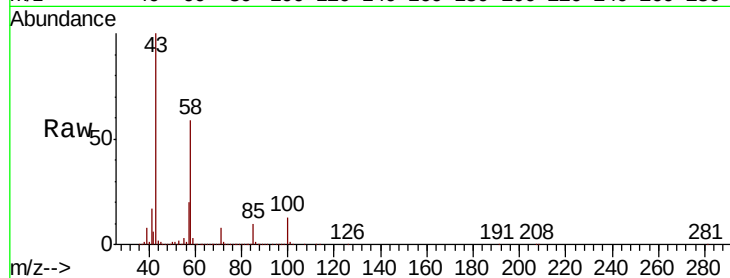




#59
2-Hexanone
Concen: 392.717 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

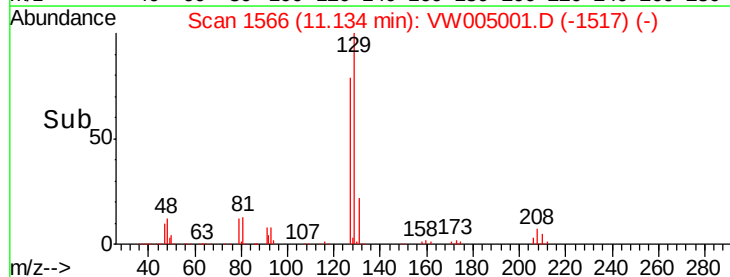
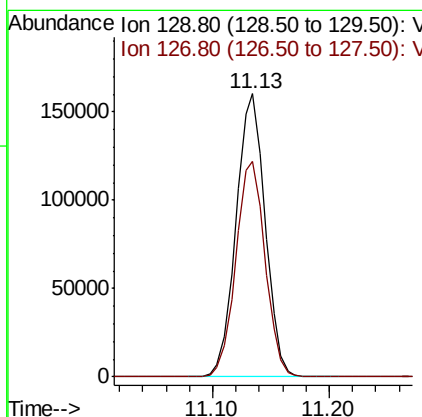
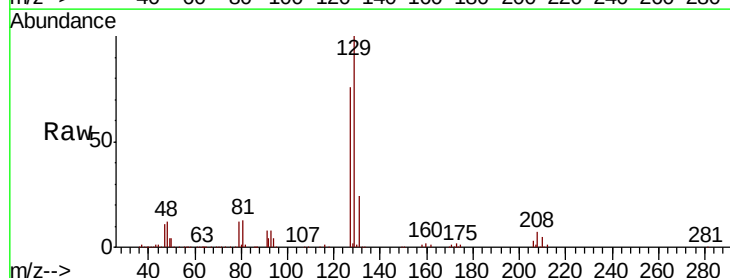
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

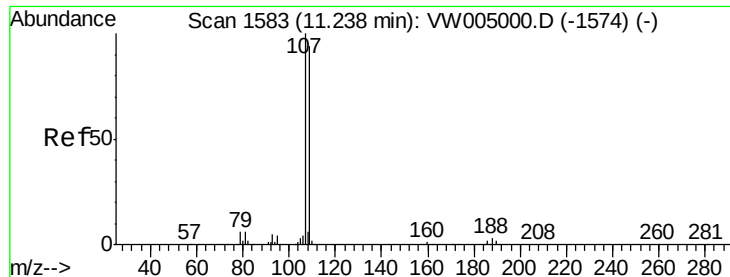
Tgt Ion: 43 Resp: 918446
Ion Ratio Lower Upper
43 100
58 58.8 29.2 87.6



#60
Dibromochloromethane
Concen: 74.414 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion: 129 Resp: 278627
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 75.700 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

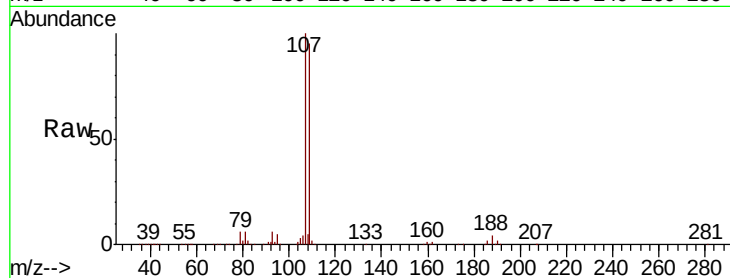
VSTDIC075

Tgt Ion: 107 Resp: 242119

Ion Ratio Lower Upper

107 100

109 94.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

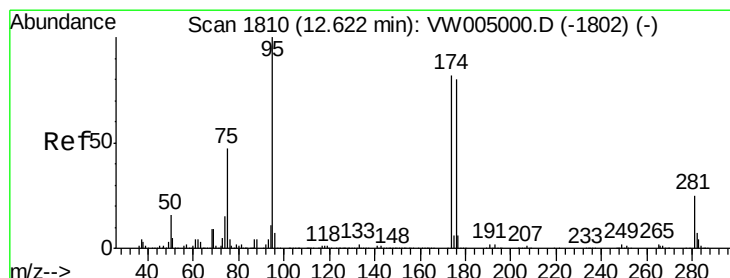
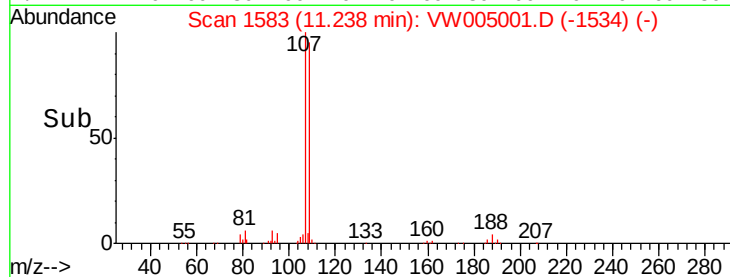
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 73.805 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

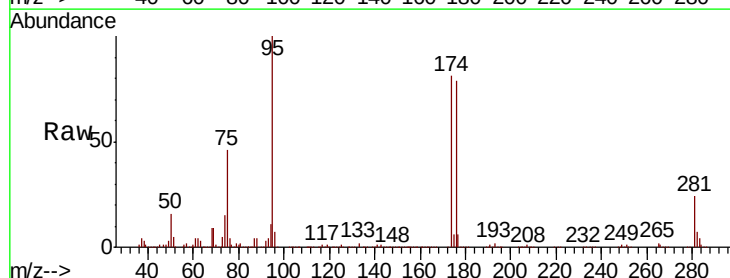
Tgt Ion: 95 Resp: 519552

Ion Ratio Lower Upper

95 100

174 85.9 0.0 173.4

176 83.1 0.0 167.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

400000

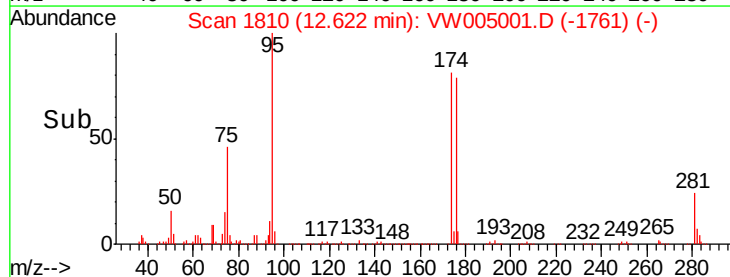
300000

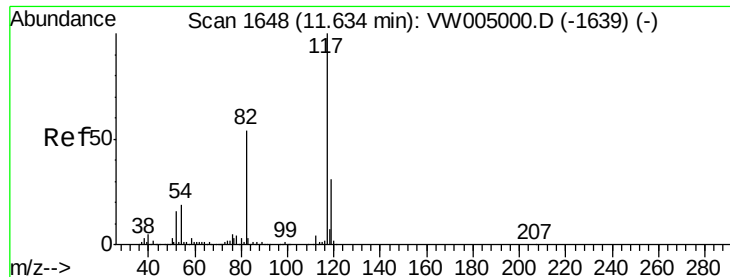
200000

100000

0

Time-->

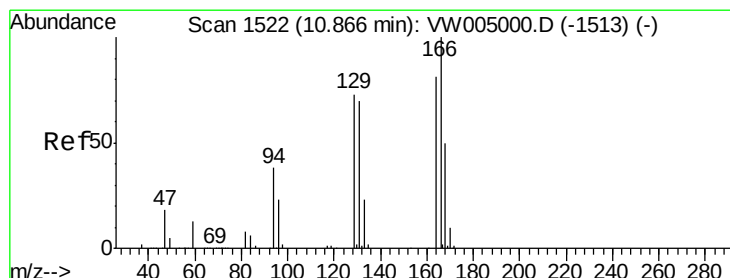
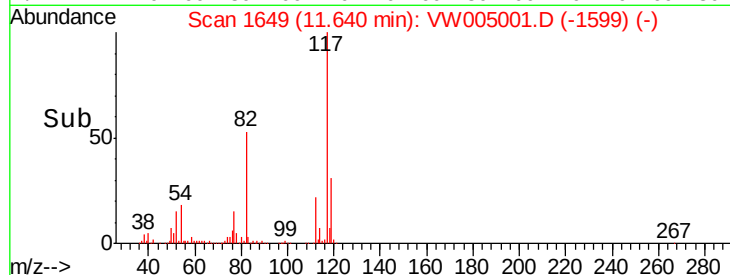
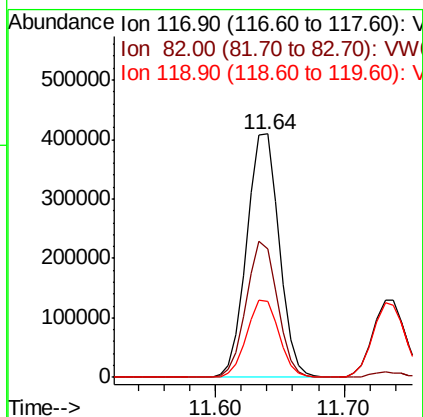
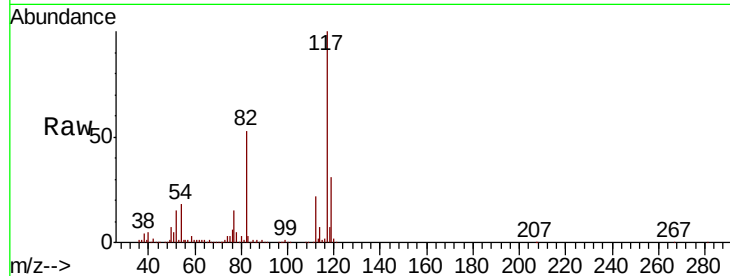




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

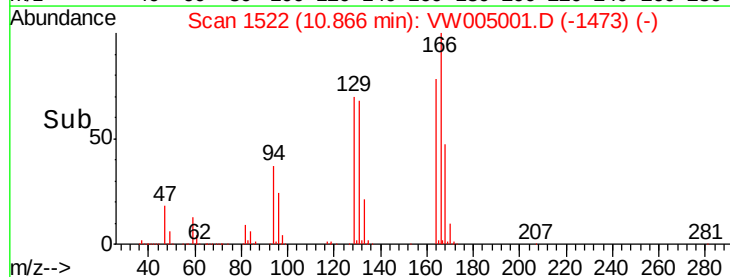
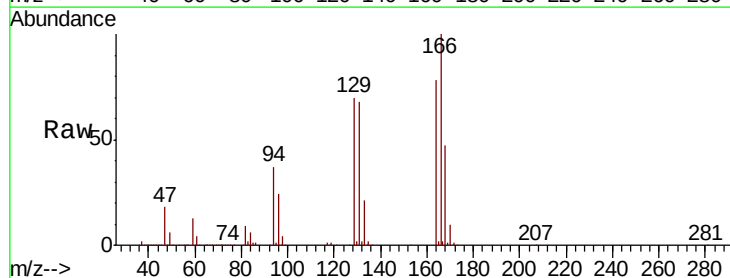
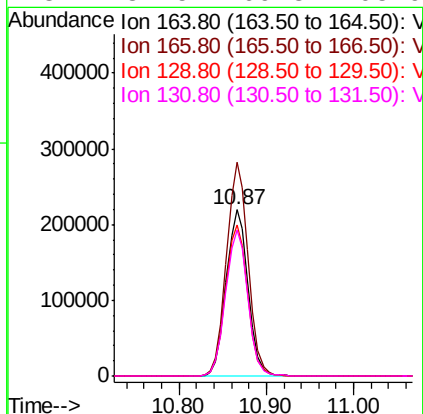
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

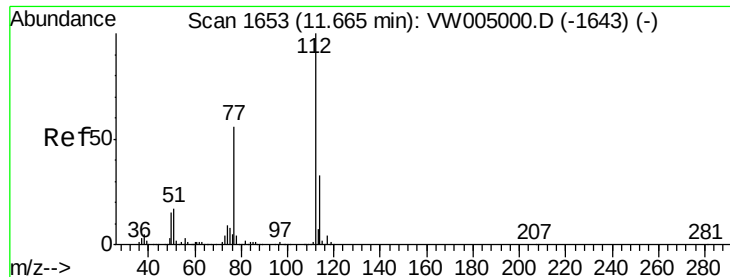
Tgt Ion:117 Resp: 711028
Ion Ratio Lower Upper
117 100
82 52.5 43.3 64.9
119 31.4 25.0 37.6



#64
Tetrachloroethene
Concen: 73.415 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion:164 Resp: 380588
Ion Ratio Lower Upper
164 100
166 128.5 99.4 149.0
129 90.5 72.2 108.2
131 87.5 69.3 103.9

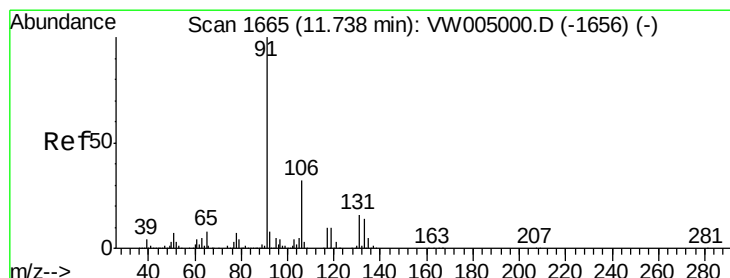
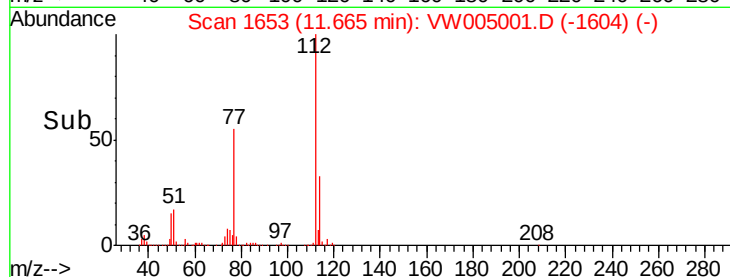
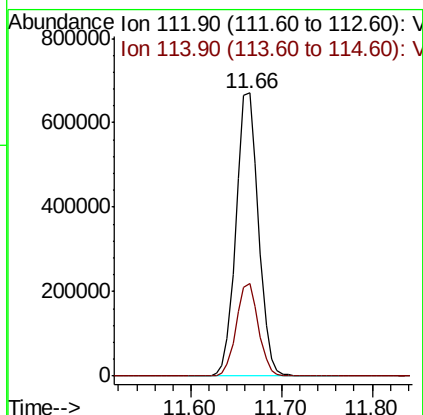
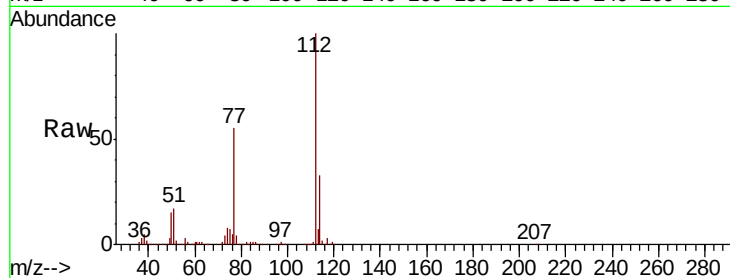




#65
Chlorobenzene
Concen: 73.645 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

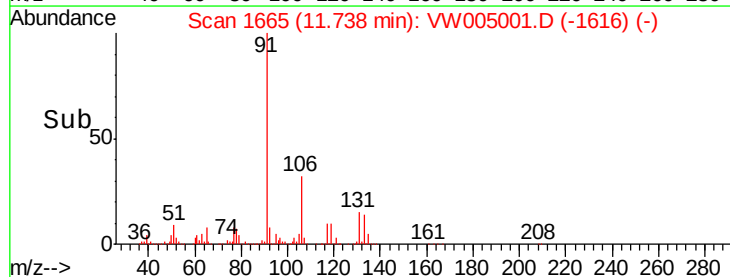
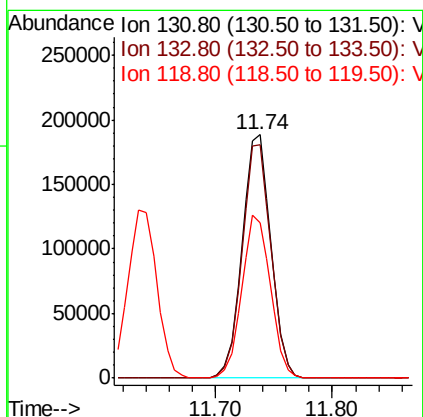
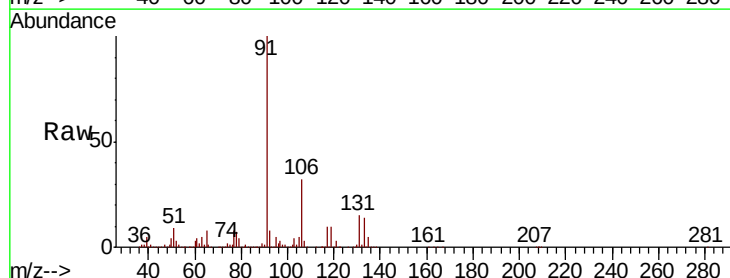
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

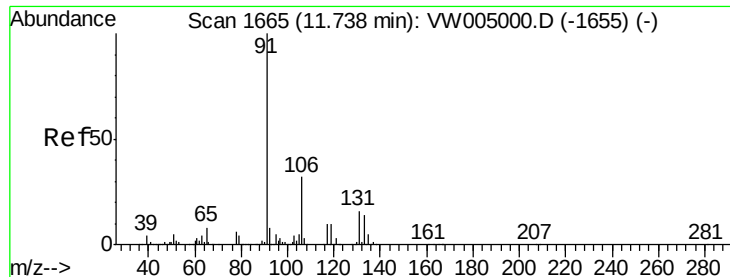
Tgt Ion:112 Resp: 1150458
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 75.497 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion:131 Resp: 323926
Ion Ratio Lower Upper
131 100
133 96.6 47.4 142.3
119 66.8 33.1 99.3





#67

Ethyl Benzene

Concen: 76.677 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

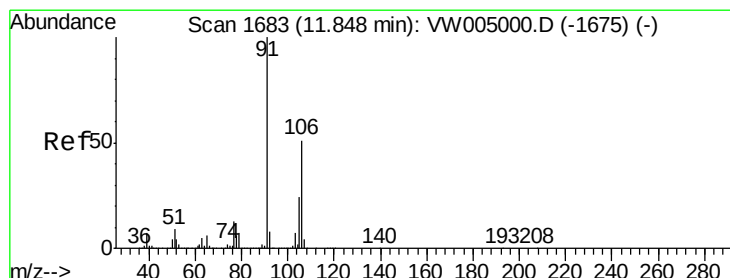
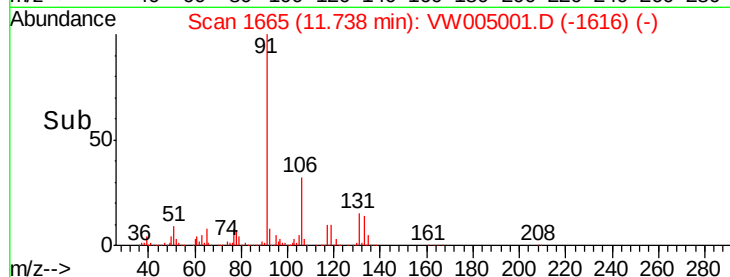
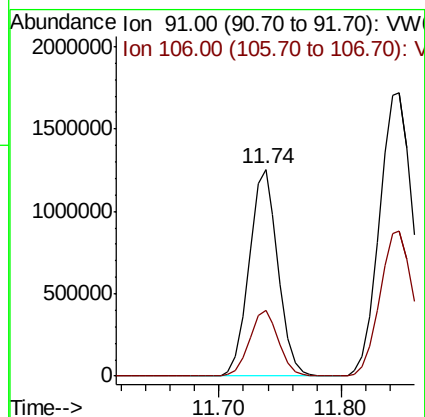
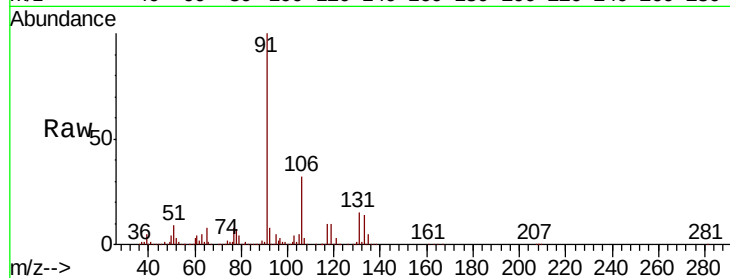
VSTDIC075

Tgt Ion: 91 Resp: 2051029

Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.2



#68

m/p-Xylenes

Concen: 153.683 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW005001.D

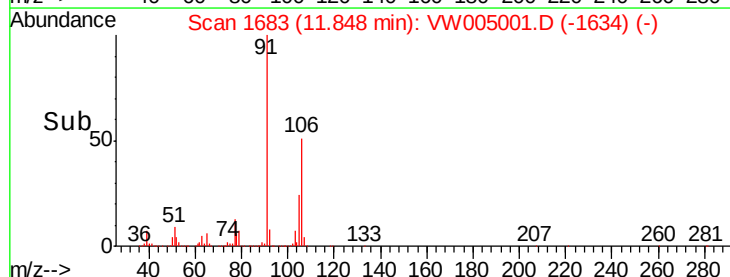
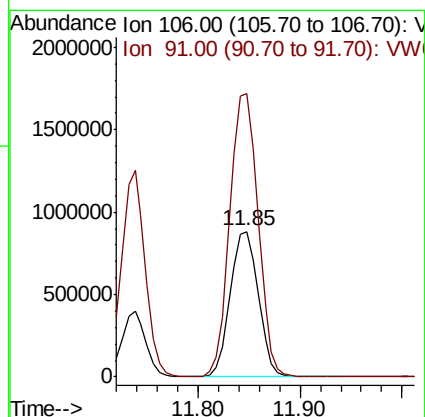
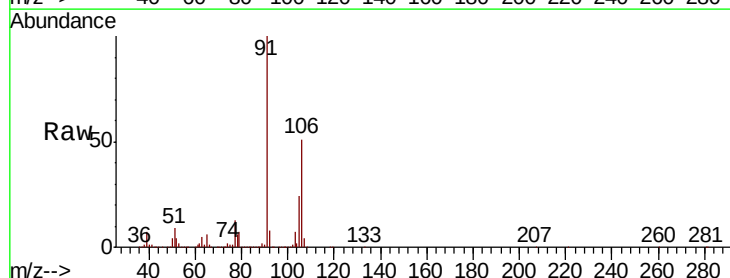
Acq: 29 Aug 2018 13:53

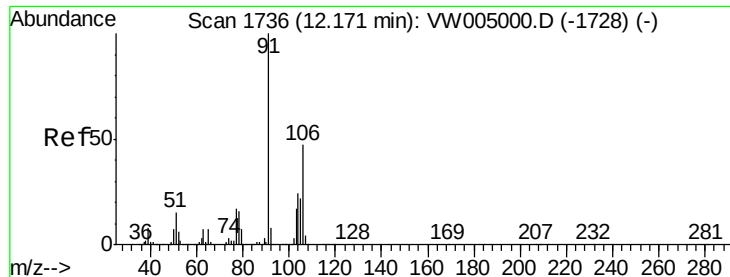
Tgt Ion: 106 Resp: 1676686

Ion Ratio Lower Upper

106 100

91 196.4 158.4 237.6

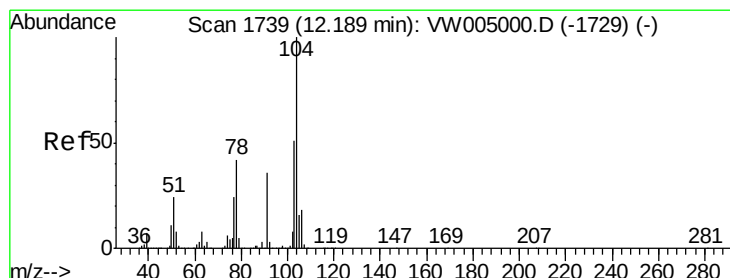
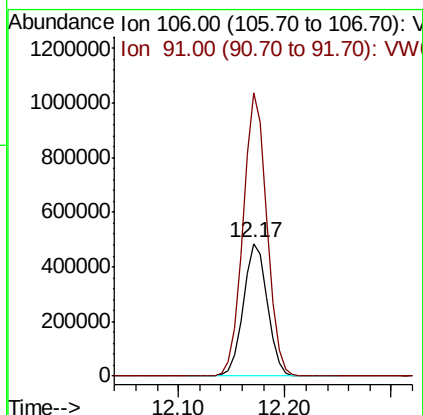
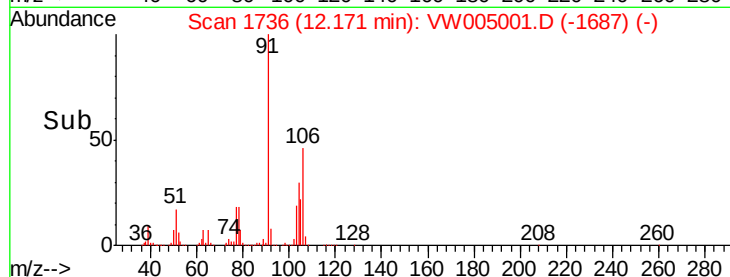
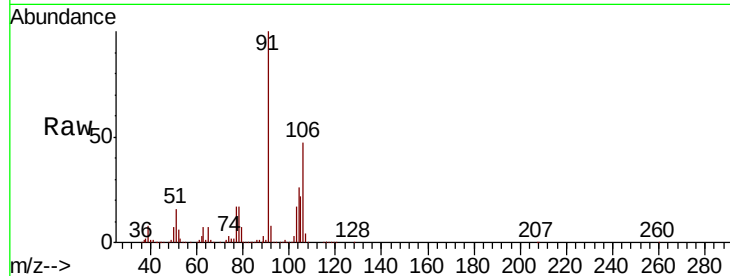




#69
o-Xylene
Concen: 77.435 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

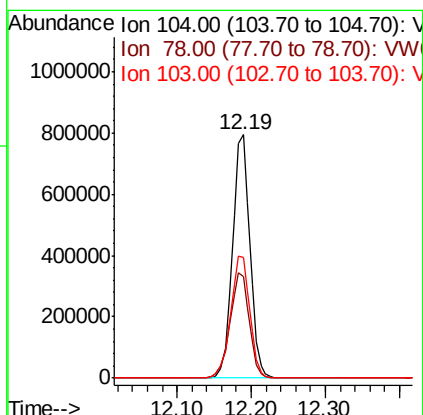
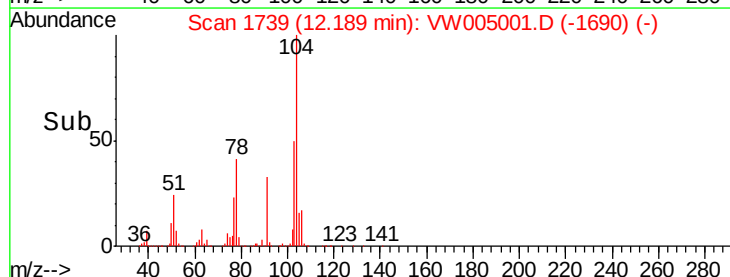
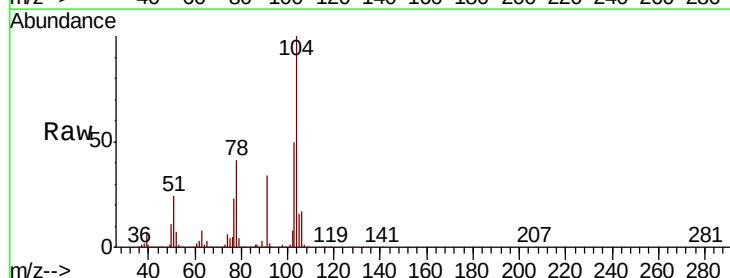
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC075

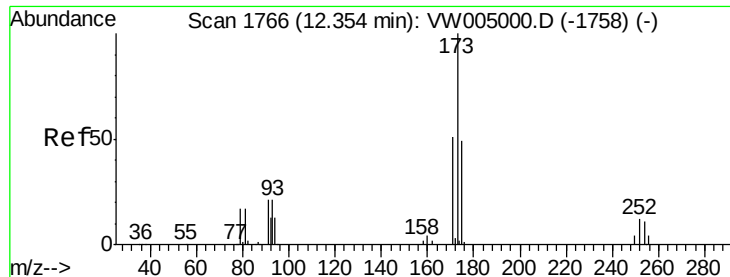
Tgt Ion:106 Resp: 771952
Ion Ratio Lower Upper
106 100
91 210.8 104.4 313.1



#70
Styrene
Concen: 78.751 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005001.D
Acq: 29 Aug 2018 13:53

Tgt Ion:104 Resp: 1302325
Ion Ratio Lower Upper
104 100
78 47.2 37.6 56.4
103 54.9 43.9 65.9





#71

Bromoform

Concen: 77.087 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

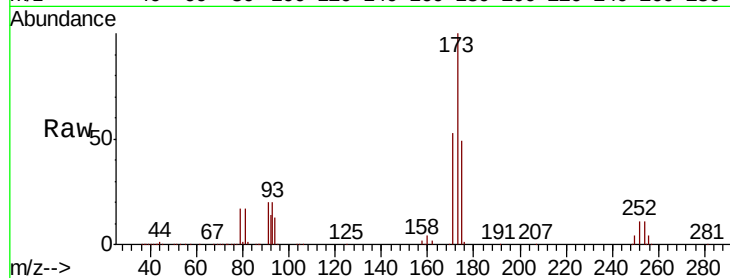
Tgt Ion:173 Resp: 183905

Ion Ratio Lower Upper

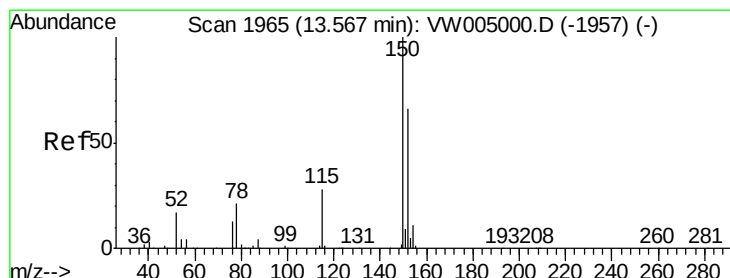
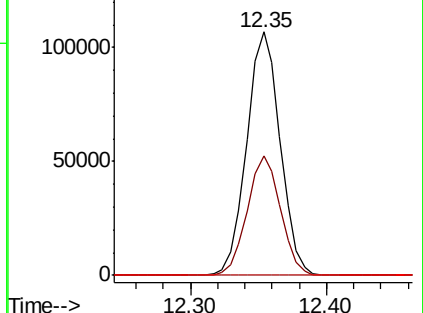
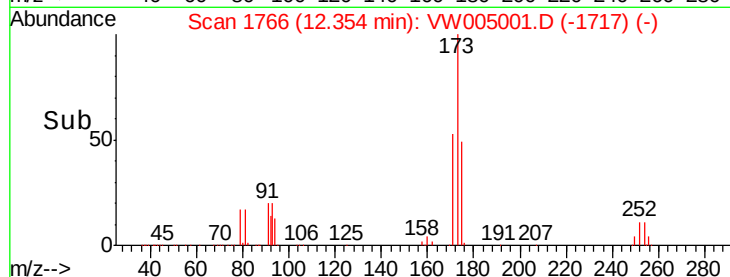
173 100

175 48.8 24.3 73.0

254 0.1 0.1 0.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

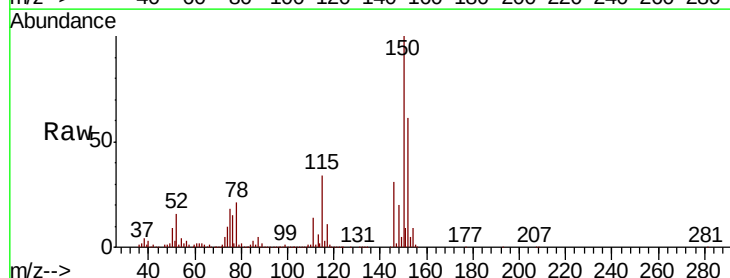
Tgt Ion:152 Resp: 397555

Ion Ratio Lower Upper

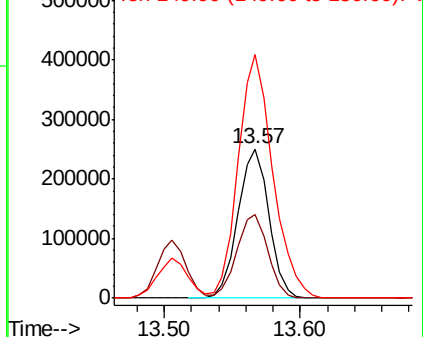
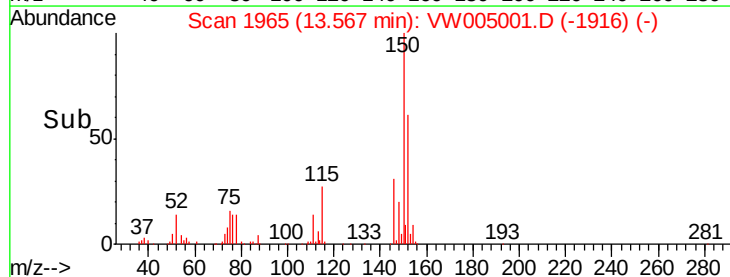
152 100

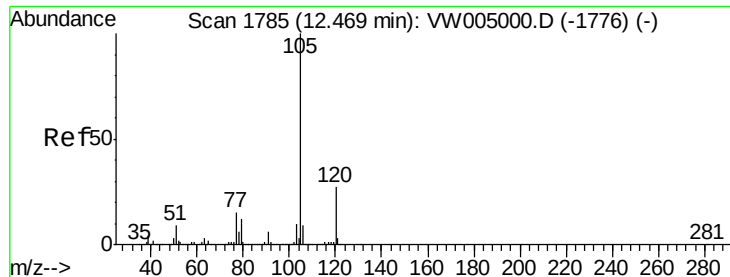
115 56.0 28.0 83.9

150 182.9 0.0 347.2



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





#73

Isopropylbenzene

Concen: 78.542 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

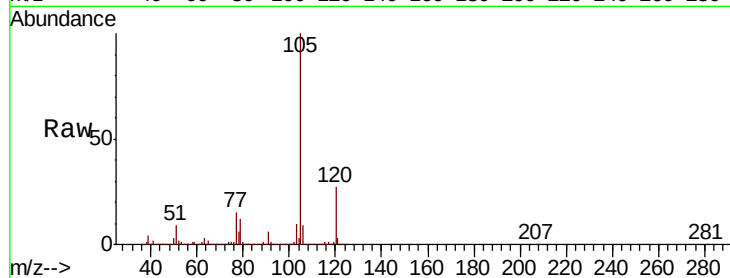
VSTDIC075

Tgt Ion:105 Resp: 2081495

Ion Ratio Lower Upper

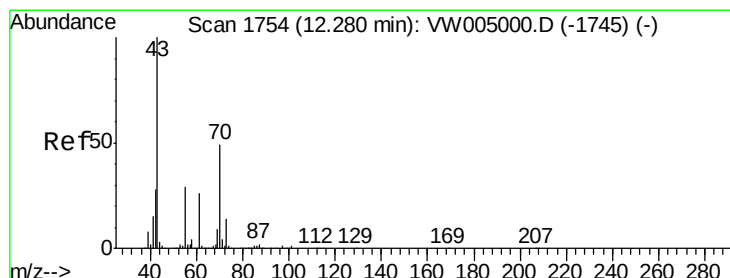
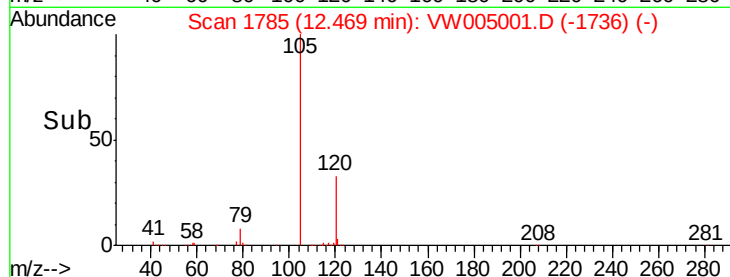
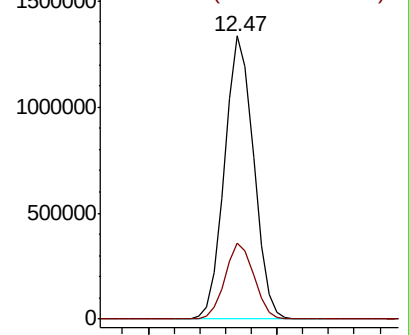
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 81.010 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Tgt Ion: 43 Resp: 405146

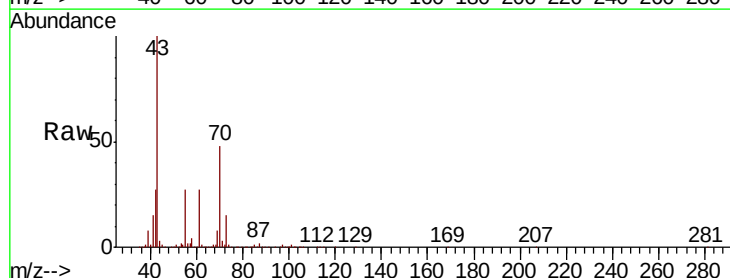
Ion Ratio Lower Upper

43 100

70 46.7 38.6 57.8

55 27.9 23.6 35.4

61 26.0 21.0 31.6

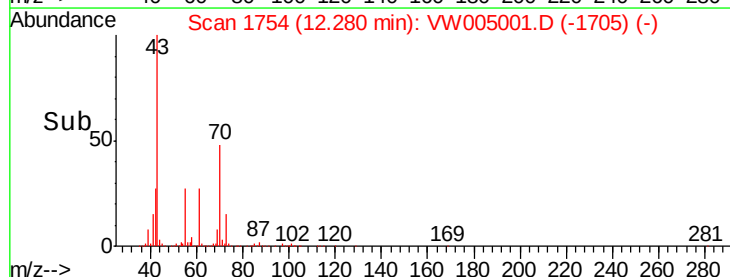
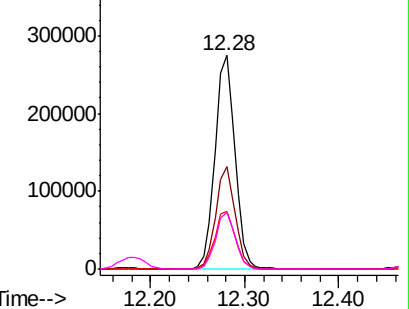


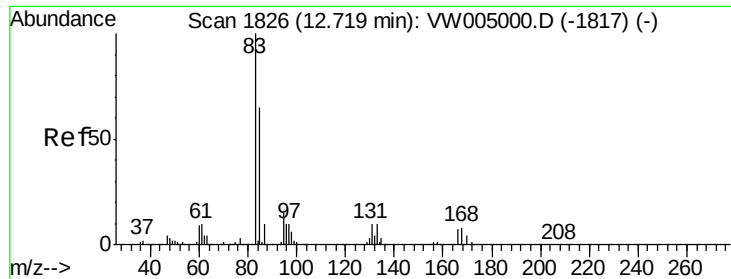
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 76.841 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

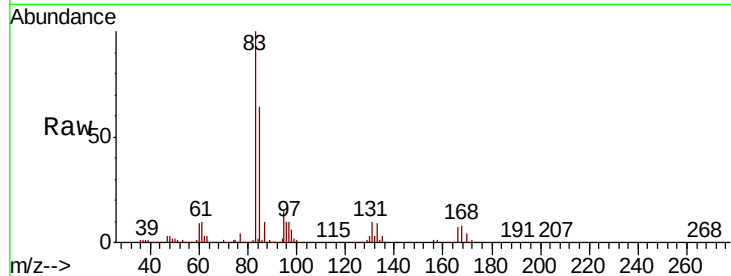
Tgt Ion: 83 Resp: 308334

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.5

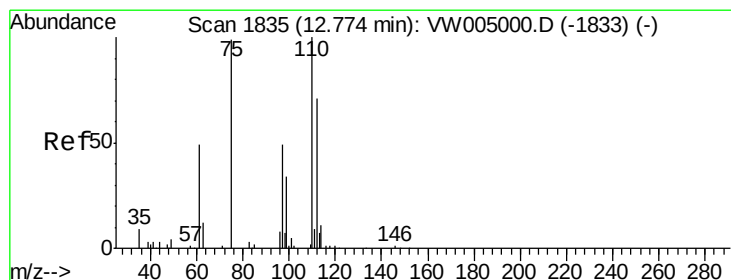
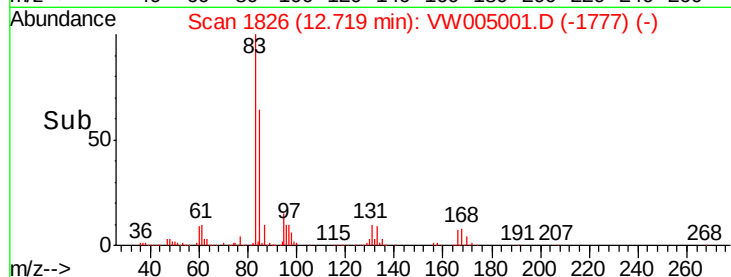
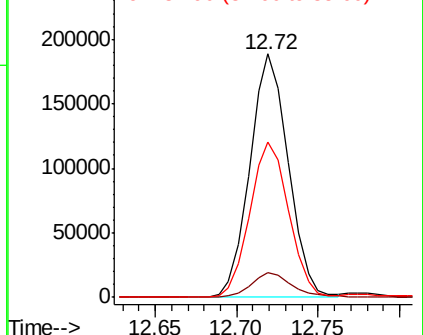
85 64.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.707 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW005001.D

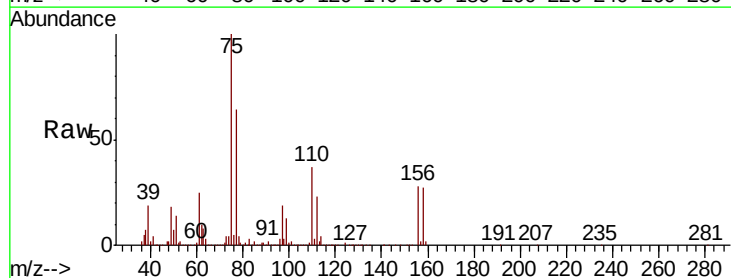
Acq: 29 Aug 2018 13:53

Tgt Ion: 75 Resp: 420364

Ion Ratio Lower Upper

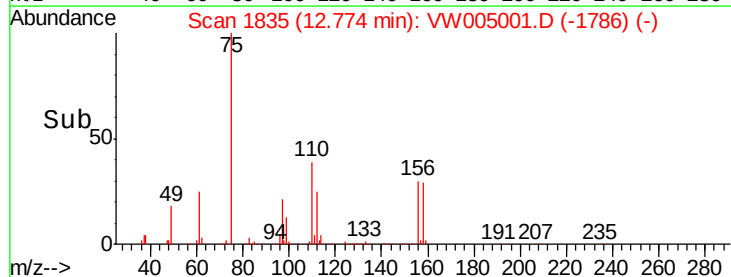
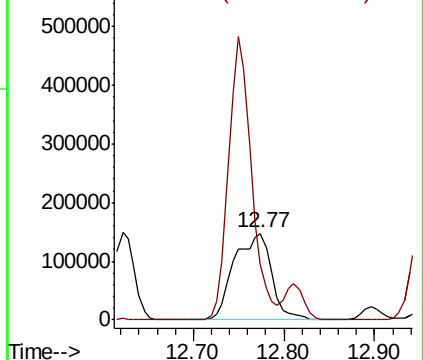
75 100

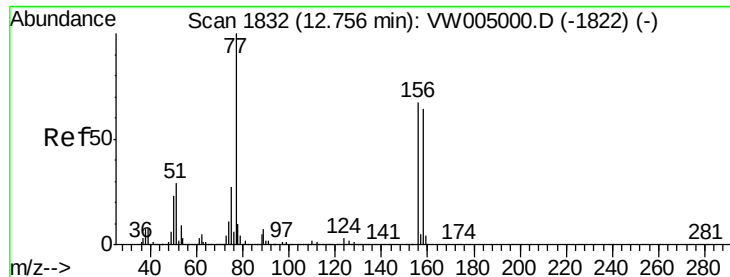
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 74.712 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

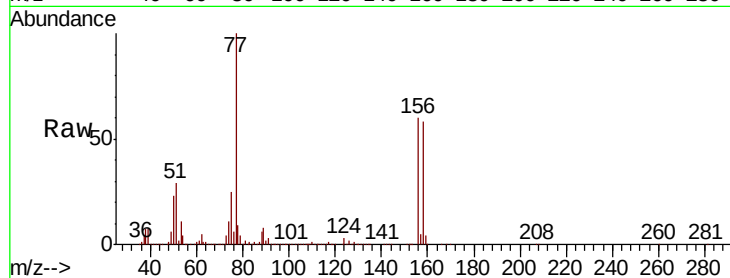
Tgt Ion:156 Resp: 485805

Ion Ratio Lower Upper

156 100

77 175.9 86.9 260.6

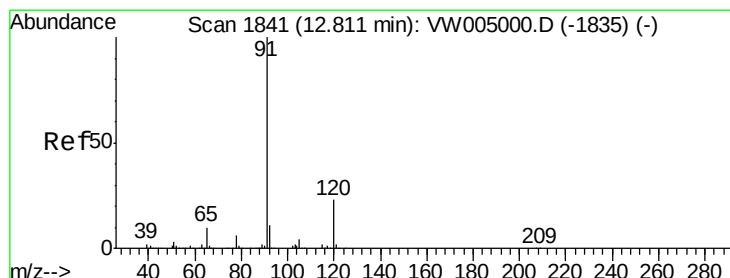
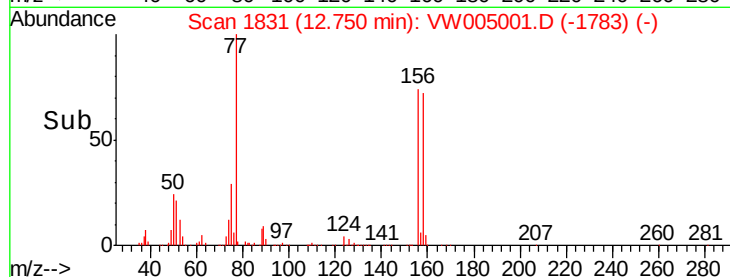
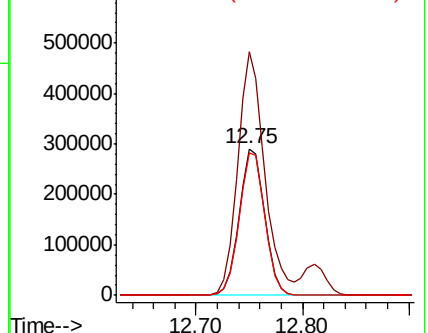
158 97.9 48.6 145.9



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: 78.007 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005001.D

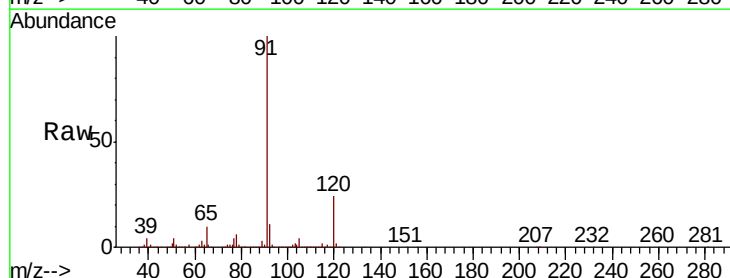
Acq: 29 Aug 2018 13:53

Tgt Ion: 91 Resp: 2550054

Ion Ratio Lower Upper

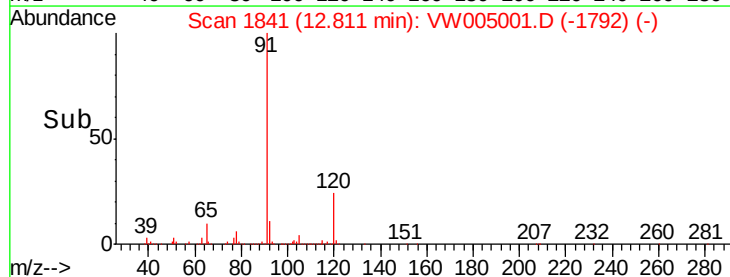
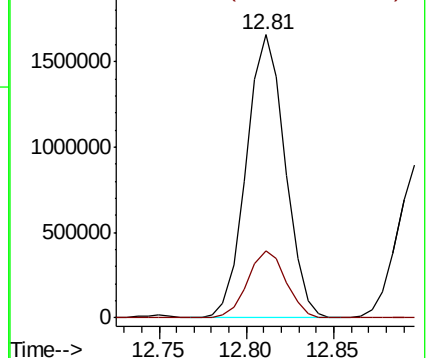
91 100

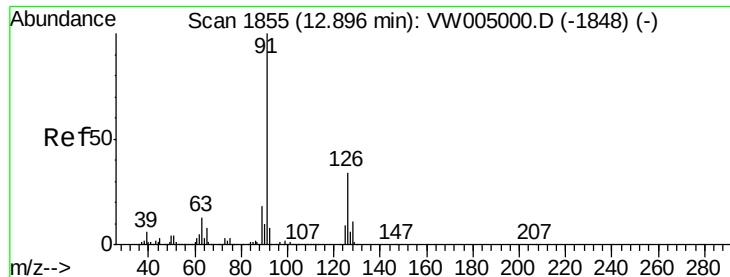
120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 75.575 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

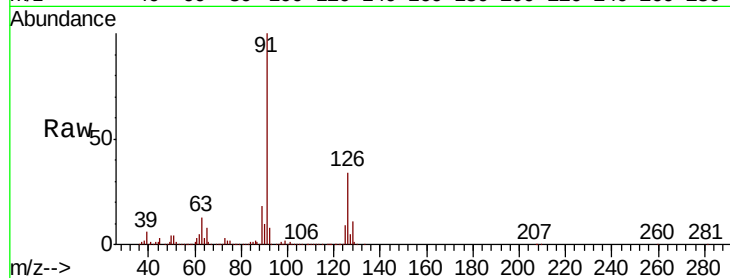
VSTDIC075

Tgt Ion: 91 Resp: 1426895

Ion Ratio Lower Upper

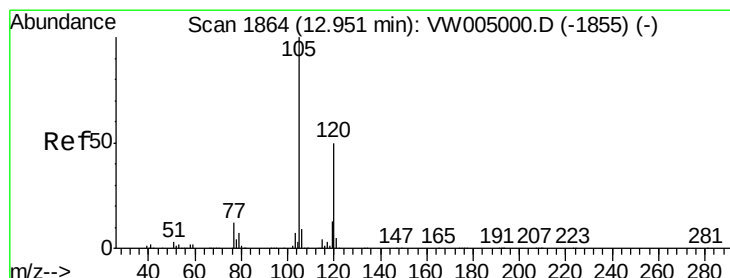
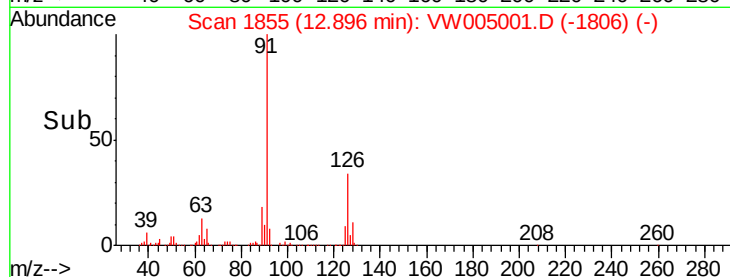
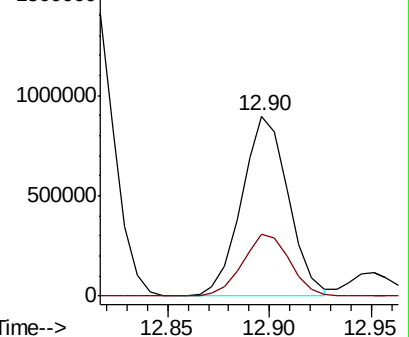
91 100

126 34.9 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 78.318 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005001.D

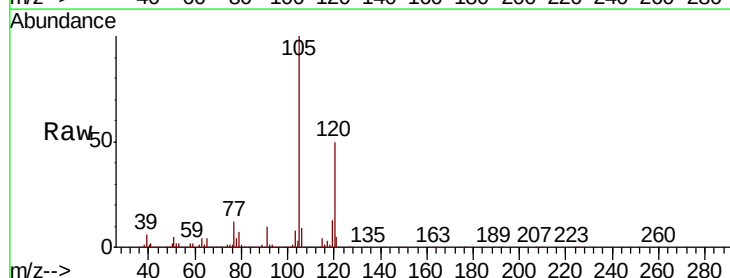
Acq: 29 Aug 2018 13:53

Tgt Ion: 105 Resp: 1833784

Ion Ratio Lower Upper

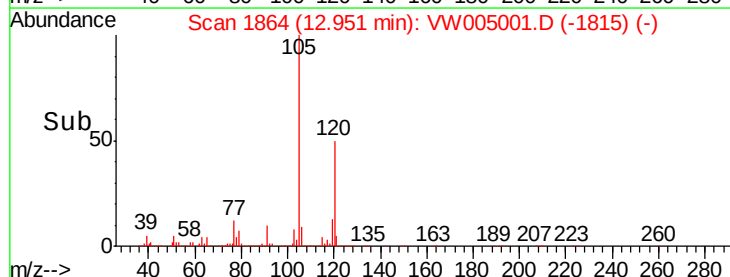
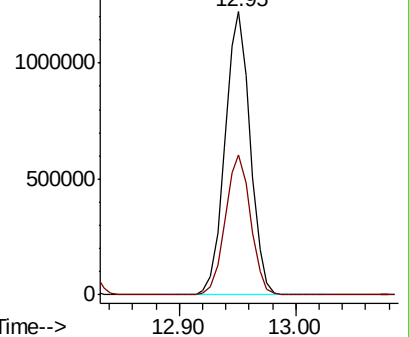
105 100

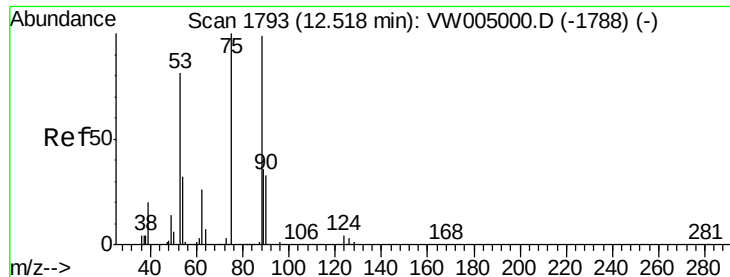
120 49.9 25.1 75.3



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: 80.051 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

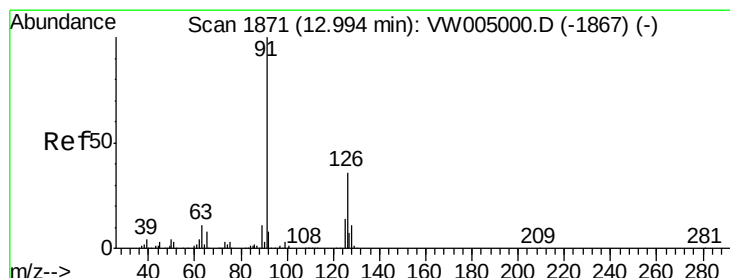
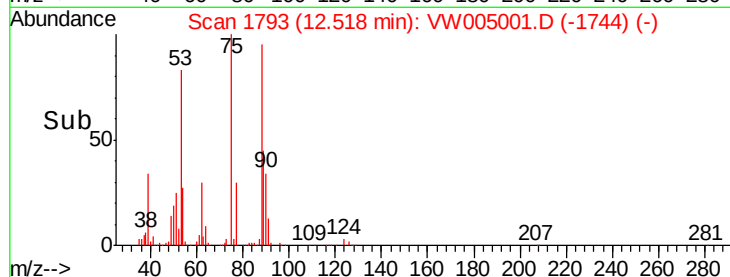
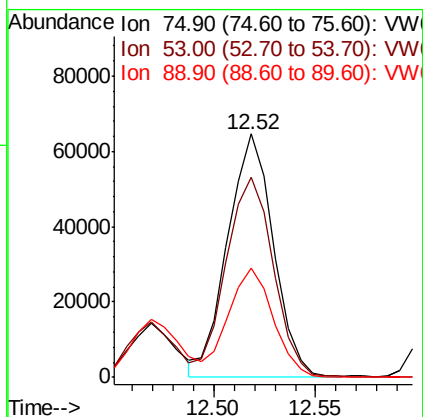
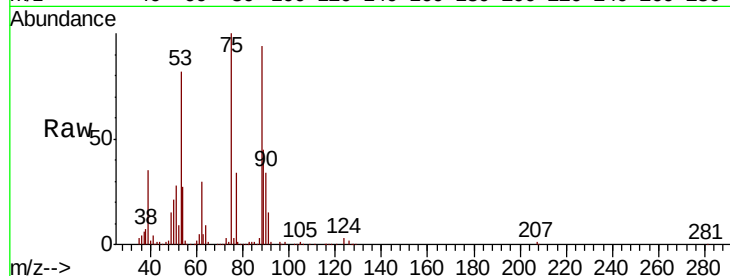
Tgt Ion: 75 Resp: 99733

Ion Ratio Lower Upper

75 100

53 85.9 67.4 101.2

89 44.6 35.0 52.6



#82

4-Chlorotoluene

Concen: 75.889 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW005001.D

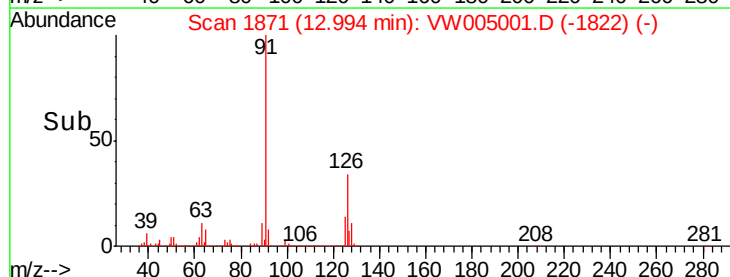
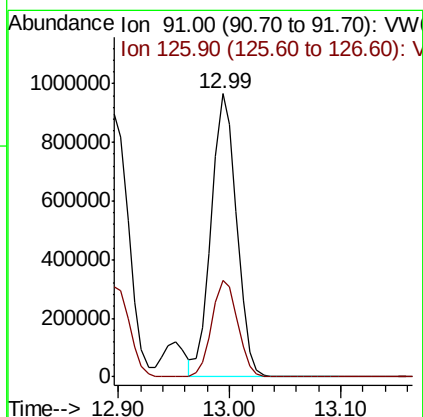
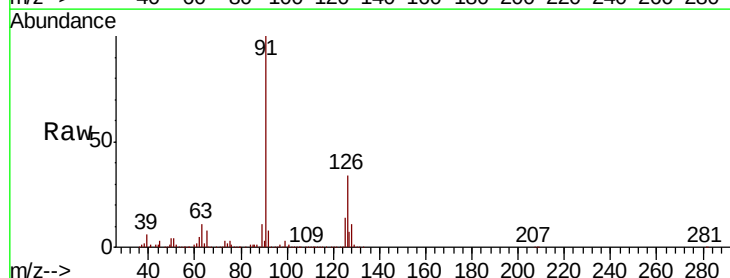
Acq: 29 Aug 2018 13:53

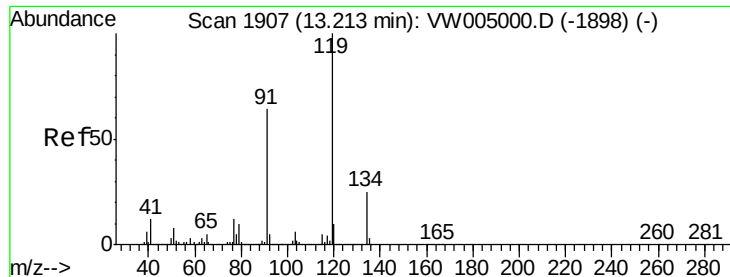
Tgt Ion: 91 Resp: 1526608

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.5

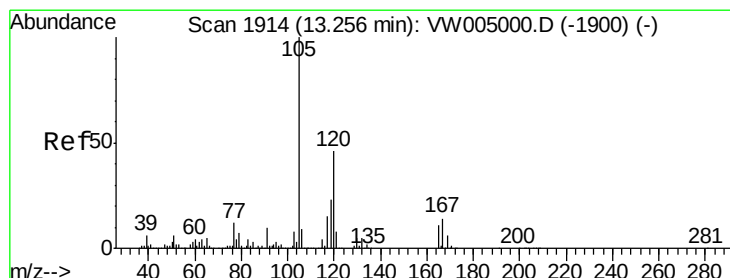
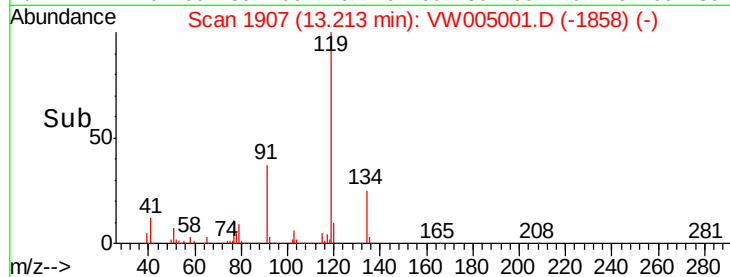
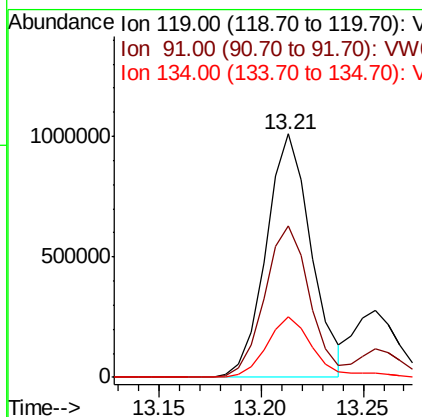
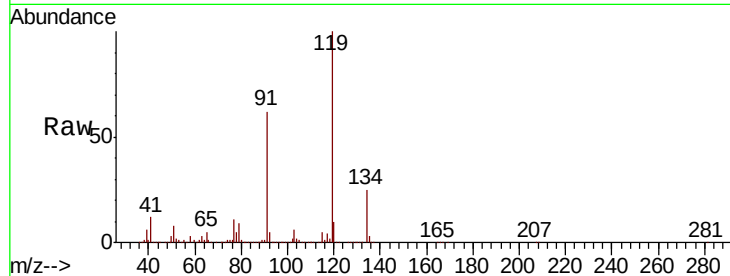




#83
 tert-Butylbenzene
 Concen: 79.052 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

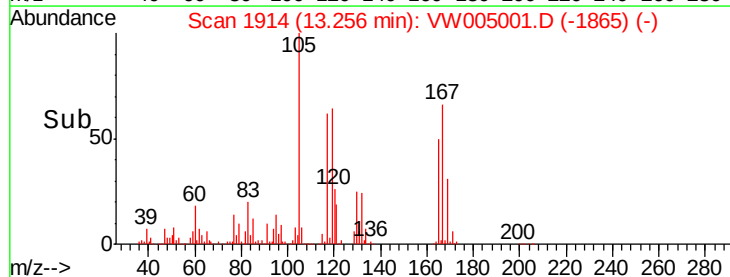
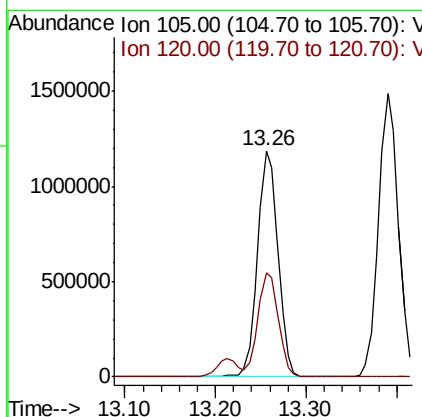
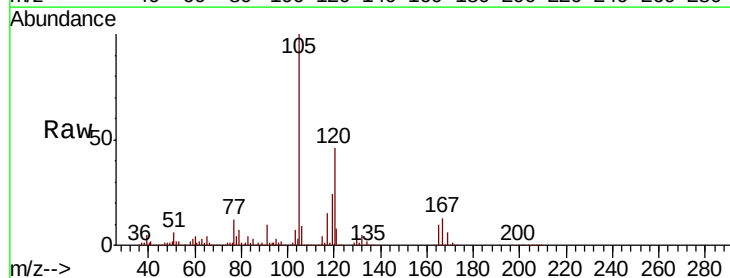
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

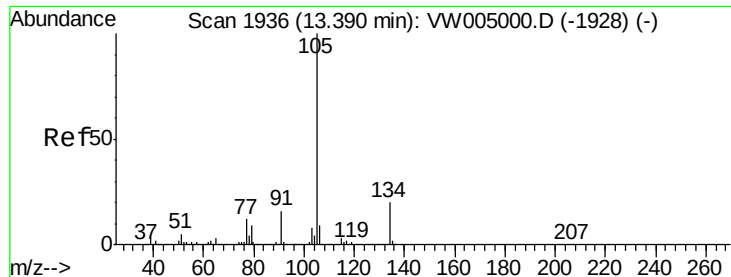
Tgt Ion:119 Resp: 1554651
 Ion Ratio Lower Upper
 119 100
 91 61.9 31.9 95.5
 134 26.2 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 77.855 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion:105 Resp: 1849664
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.7

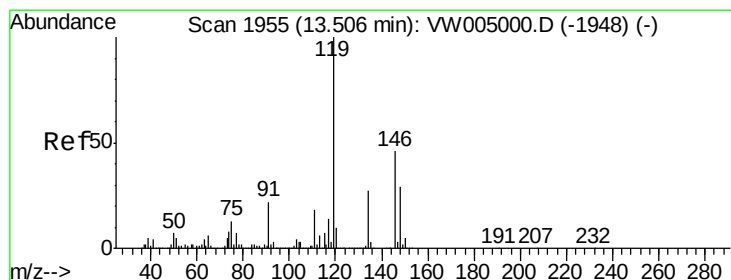
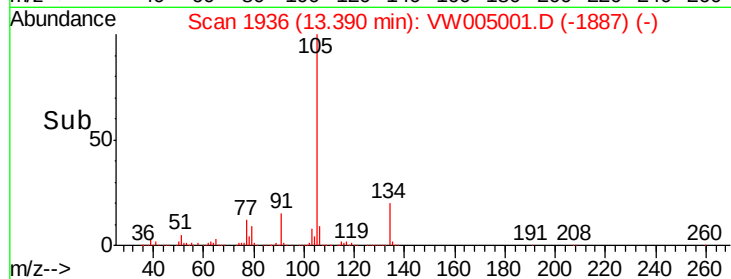
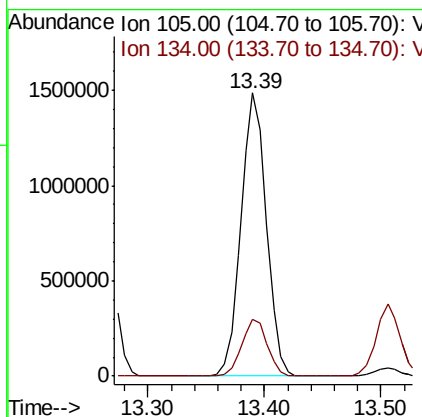
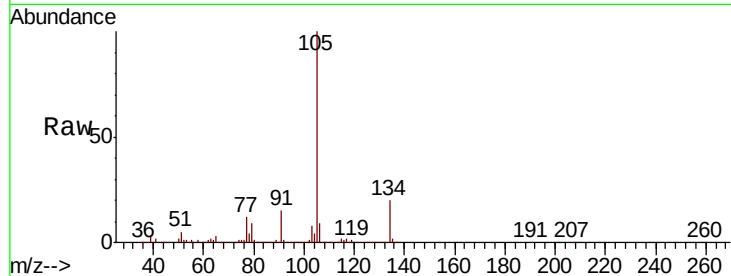




#85
 sec-Butylbenzene
 Concen: 78.173 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

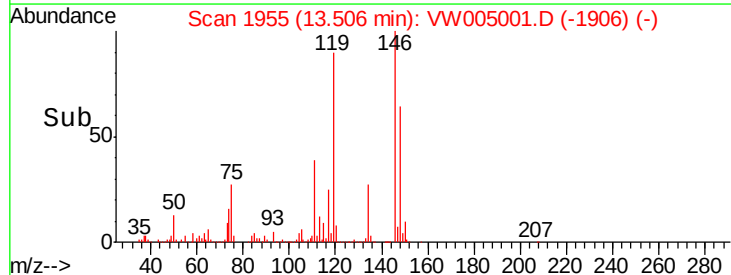
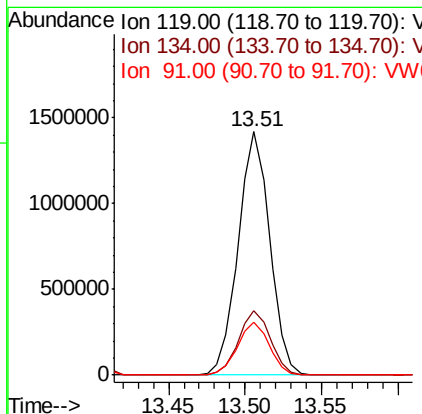
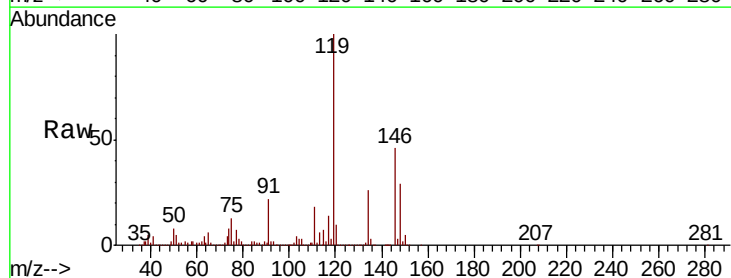
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

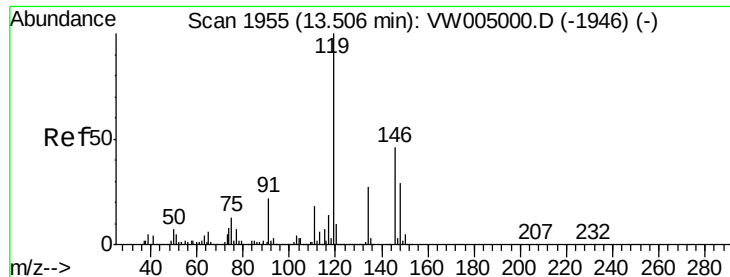
Tgt Ion:105 Resp: 2256748
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 78.471 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion:119 Resp: 2029526
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.3
 91 21.8 10.9 32.9

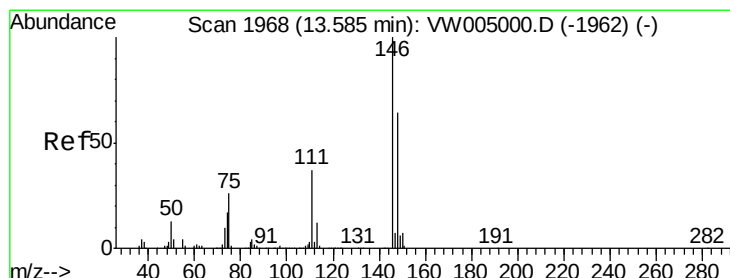
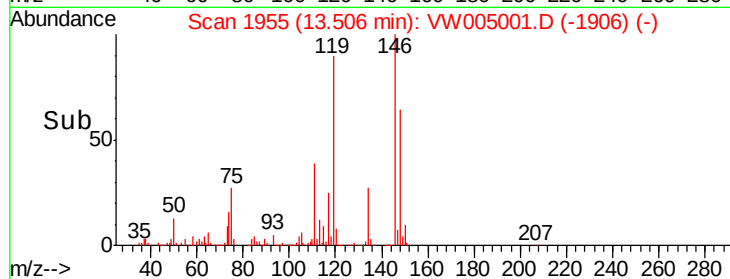
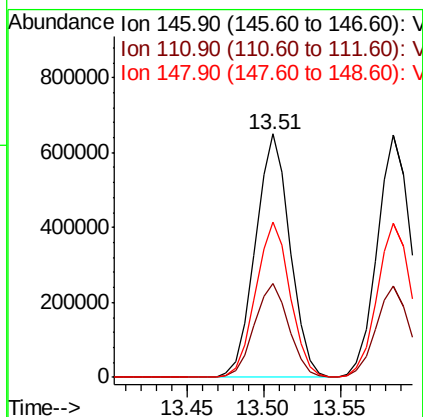
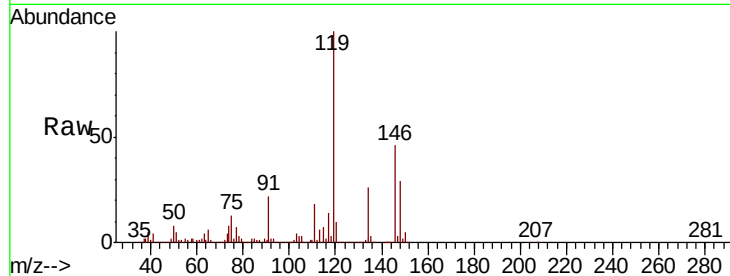




#87
 1,3-Dichlorobenzene
 Concen: 74.123 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

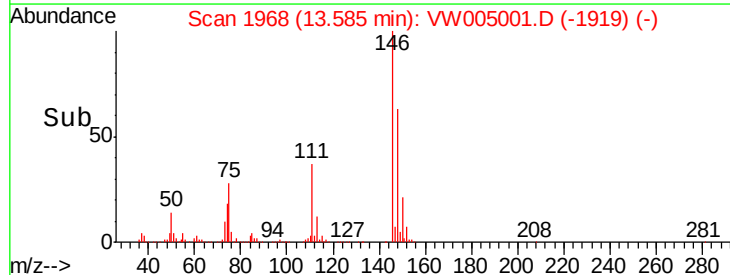
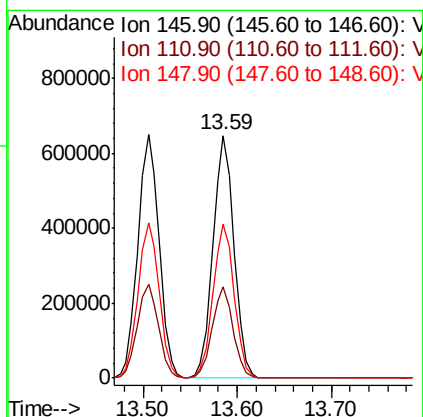
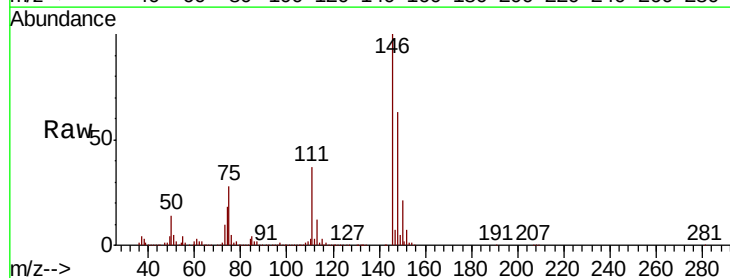
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

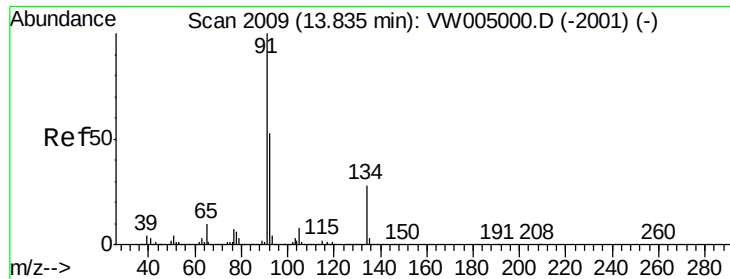
Tgt Ion:146 Resp: 1021754
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.8
 148 63.5 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 72.898 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion:146 Resp: 995367
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.0 31.7 95.1





#89

n-Butylbenzene

Concen: 78.676 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

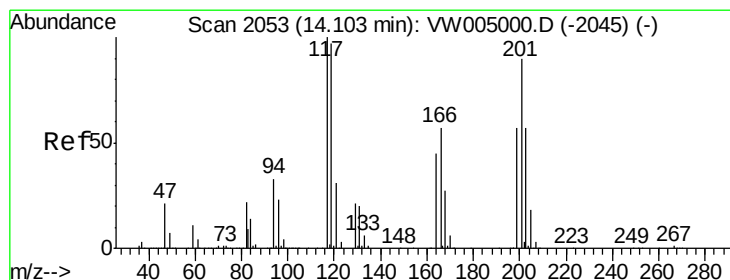
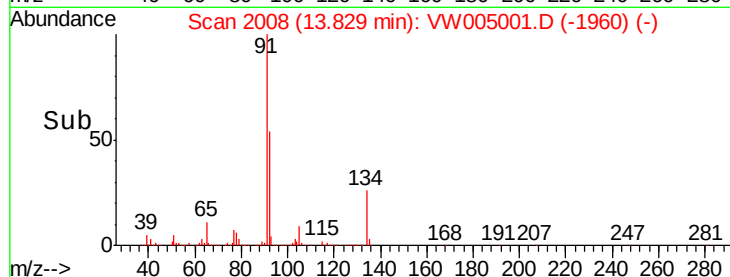
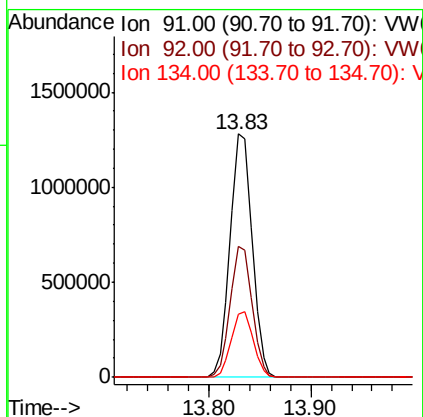
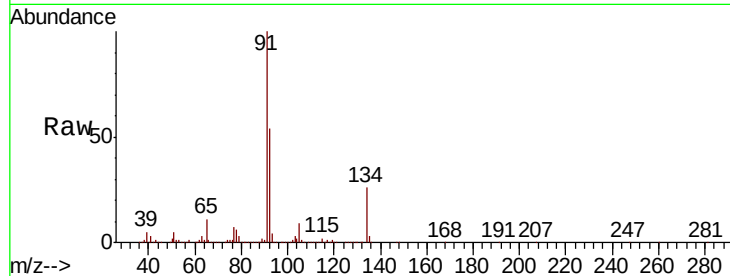
Tgt Ion: 91 Resp: 1910200

Ion Ratio Lower Upper

91 100

92 53.3 26.5 79.4

134 26.8 13.4 40.1



#90

Hexachloroethane

Concen: 75.446 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW005001.D

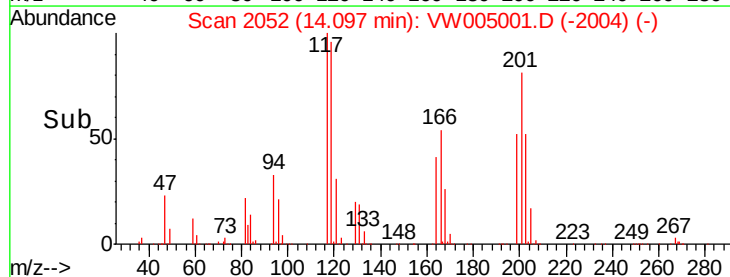
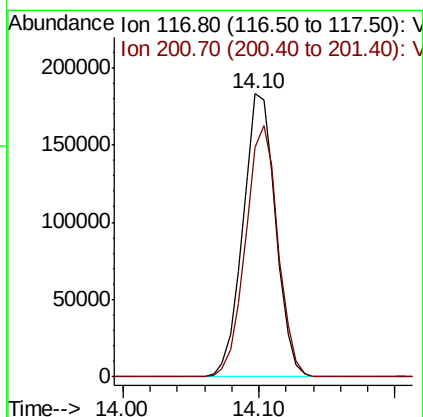
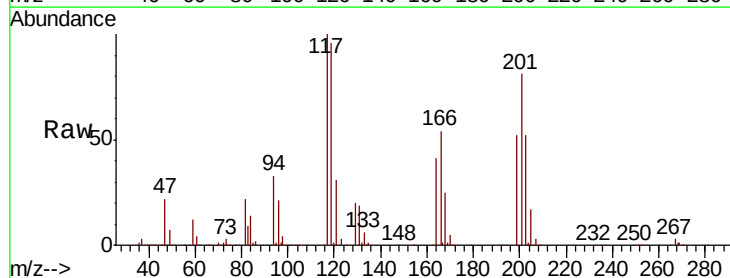
Acq: 29 Aug 2018 13:53

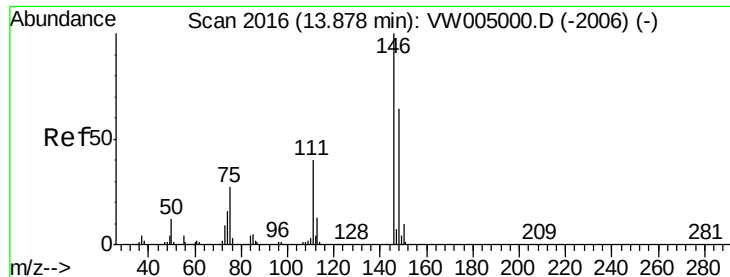
Tgt Ion: 117 Resp: 306727

Ion Ratio Lower Upper

117 100

201 88.3 44.3 132.8

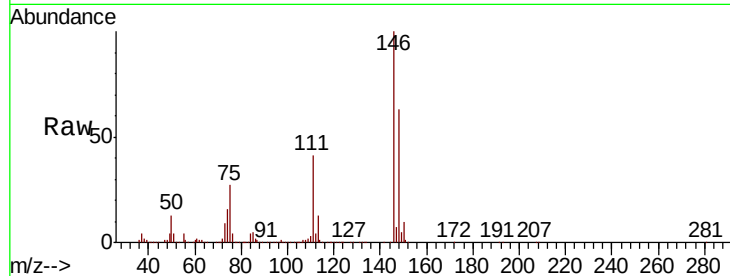




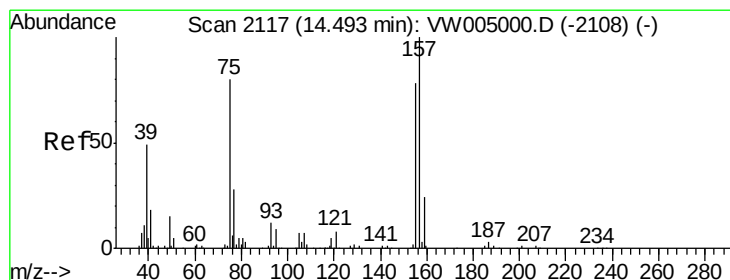
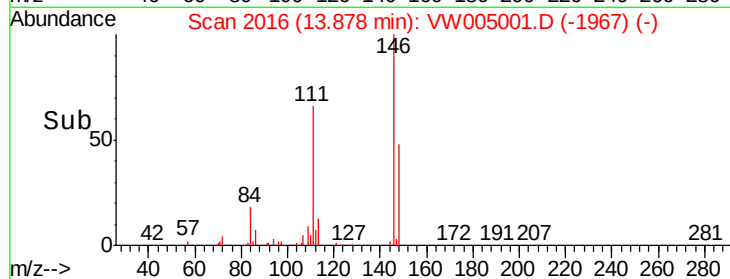
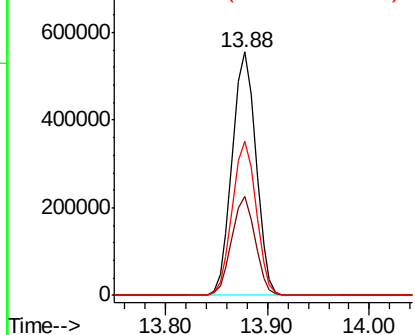
#91
 1,2-Dichlorobenzene
 Concen: 73.773 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	63.6	31.9	95.7

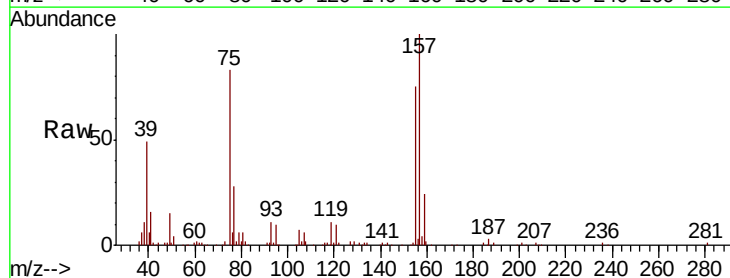


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

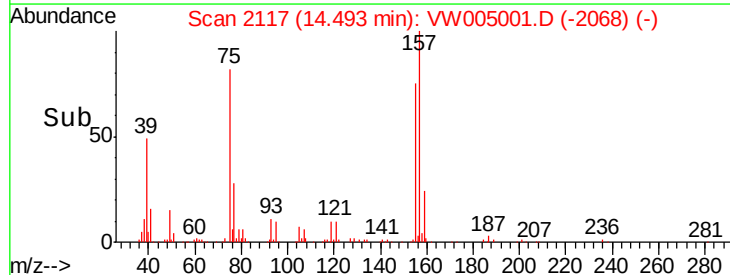
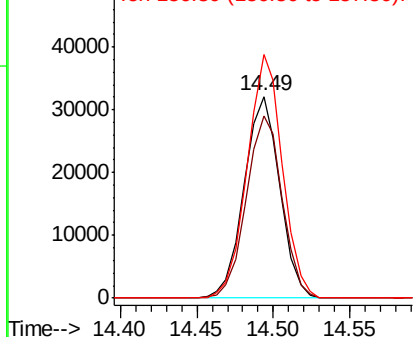


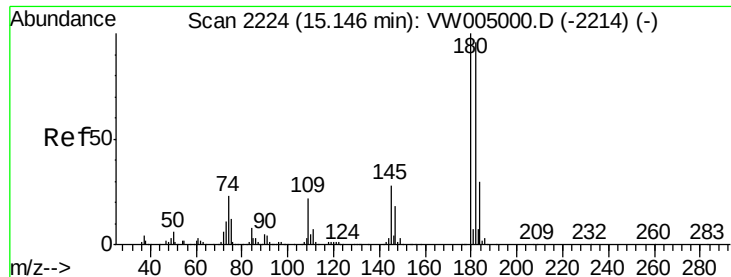
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.954 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	46.1	138.2
157	119.1	58.7	176.1



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

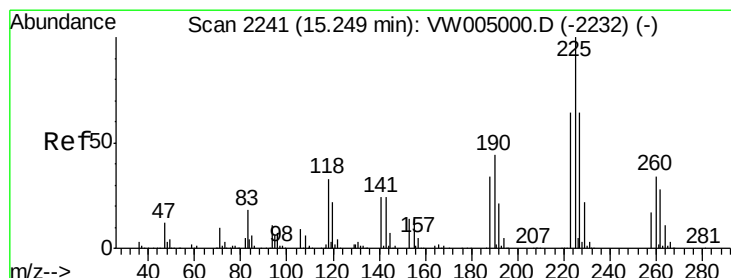
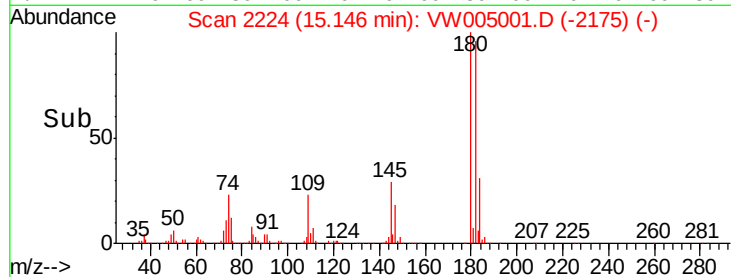
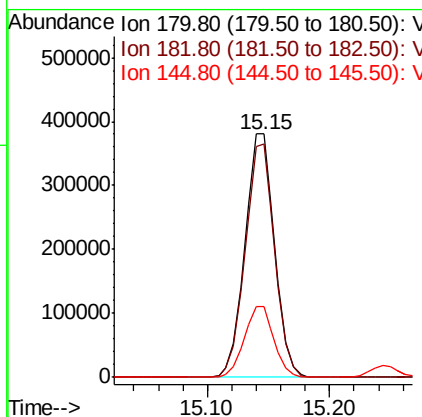
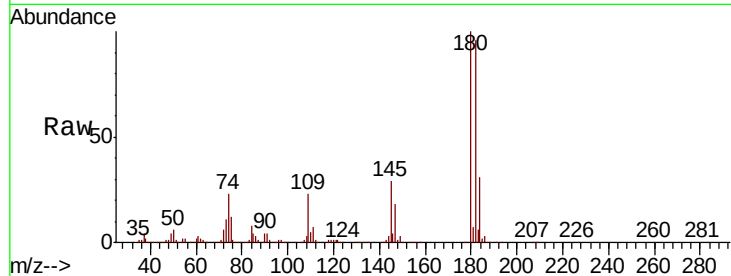




#93
 1,2,4-Trichlorobenzene
 Concen: 75.144 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

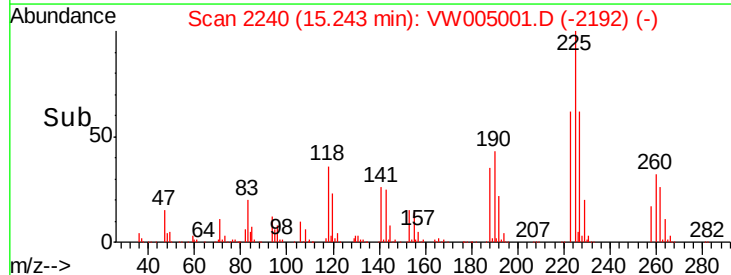
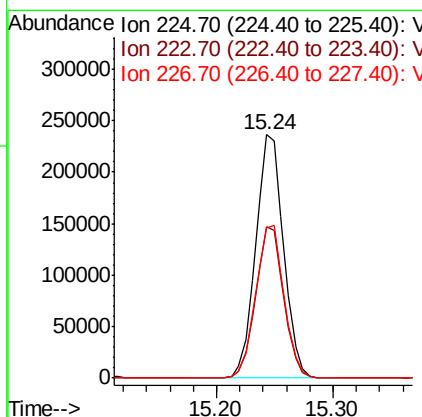
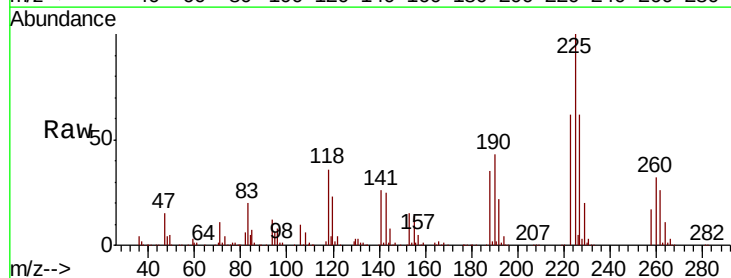
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC075

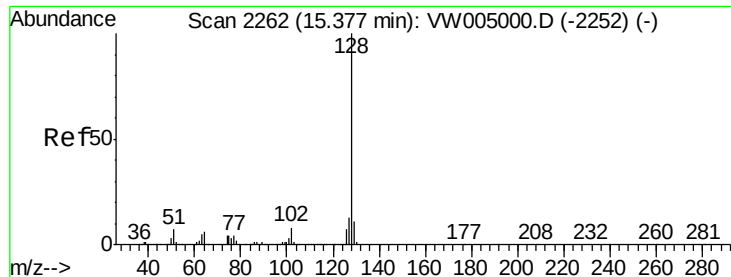
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.8
145	29.0	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 73.365 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW005001.D
 Acq: 29 Aug 2018 13:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.0	96.0
227	63.9	31.9	95.7





#95

Naphthalene

Concen: 80.449 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC075

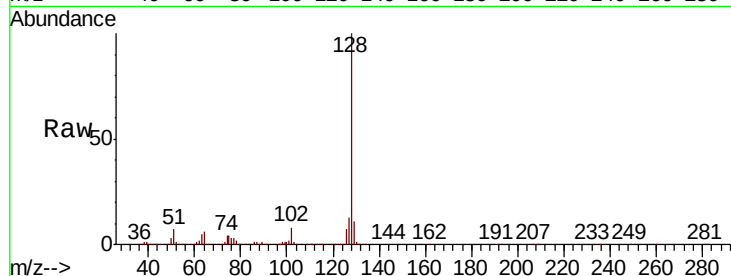
Tgt Ion:128 Resp: 1122006

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

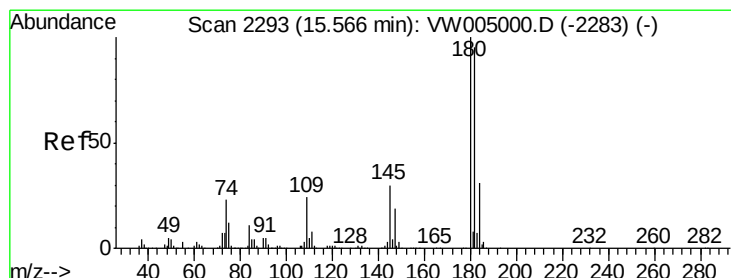
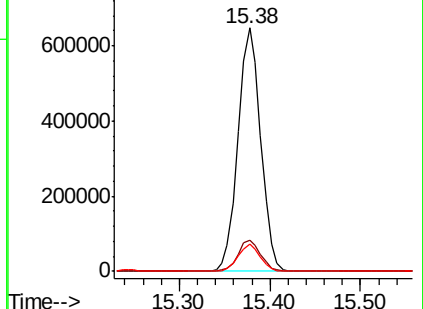
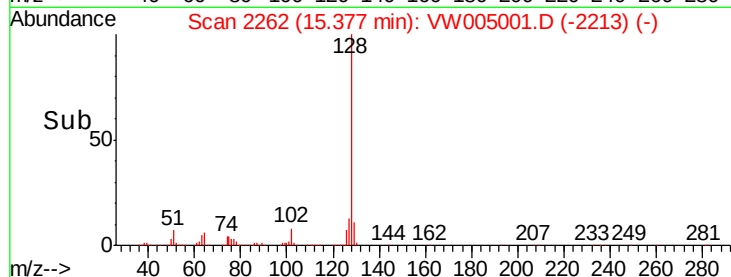
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 74.205 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW005001.D

Acq: 29 Aug 2018 13:53

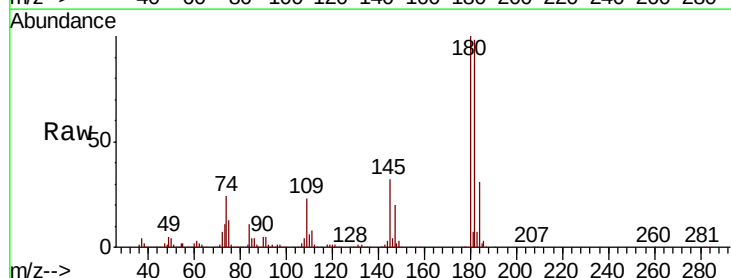
Tgt Ion:180 Resp: 557269

Ion Ratio Lower Upper

180 100

182 95.6 47.6 142.8

145 30.9 15.1 45.3



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

