

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000945.D
 Acq On : 24 Jan 2018 14:02
 Operator : JC/SY
 Sample : VW0124SBS01
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 15:10:31 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	350758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	317402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119054	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
35) Dibromofluoromethane	7.88	113	107142	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.33	98	437871	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.63	95	156766	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48169	19.513	ug/l	97
3) Chloromethane	2.22	50	44756	20.515	ug/l	98
4) Vinyl Chloride	2.36	62	39813	19.620	ug/l	95
5) Bromomethane	2.74	94	31090	20.963	ug/l	98
6) Chloroethane	2.90	64	23732	21.047	ug/l	97
7) Trichlorofluoromethane	3.25	101	76332	20.429	ug/l	93
8) Diethyl Ether	3.68	74	18592	19.865	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	43021	17.823	ug/l	98
10) Methyl Iodide	4.26	142	37853	18.212	ug/l	100
11) Tert butyl alcohol	5.13	59	22554	84.754	ug/l #	76
12) 1,1-Dichloroethene	4.03	96	36409	17.550	ug/l	98
13) Acrolein	3.89	56	17463	67.212	ug/l	97
14) Allyl chloride	4.66	41	63252	19.567	ug/l	98
15) Acrylonitrile	5.37	53	66700	91.237	ug/l	99
16) Acetone	4.13	43	64702	74.474	ug/l	98
17) Carbon Disulfide	4.37	76	130462	19.039	ug/l	99
18) Methyl Acetate	4.67	43	29993	16.617	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	102175	19.171	ug/l	100
20) Methylene Chloride	4.90	84	48172	19.994	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	48129	19.966	ug/l	99
22) Diisopropyl ether	6.32	45	118366	20.452	ug/l	97
23) Vinyl Acetate	6.26	43	316402	87.983	ug/l	98
24) 1,1-Dichloroethane	6.21	63	78598	20.289	ug/l	100
25) 2-Butanone	7.18	43	89584	82.519	ug/l	98
26) 2,2-Dichloropropane	7.17	77	77974	19.883	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	50291	20.187	ug/l	99
28) Bromochloromethane	7.51	49	32322	19.863	ug/l #	98
29) Tetrahydrofuran	7.54	42	51806	86.732	ug/l	99
30) Chloroform	7.67	83	85085	20.363	ug/l	98
31) Cyclohexane	7.95	56	77531	19.386	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	81624	20.214	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68877	20.581	ug/l	99
37) Ethyl Acetate	7.26	43	35514	18.799	ug/l	98
38) Carbon Tetrachloride	8.06	117	73845	20.001	ug/l	98

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Quant Time: Jan 24 15:10:31 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81514	20.221	ug/l	94
40) Benzene	8.32	78	185324	20.365	ug/l	98
41) Methacrylonitrile	7.49	41	18038	17.012	ug/l	88
42) 1,2-Dichloroethane	8.40	62	56929	20.303	ug/l	99
43) Isopropyl Acetate	8.43	43	59439	18.560	ug/l	98
44) Trichloroethene	9.09	130	55026	20.350	ug/l	100
45) 1,2-Dichloropropane	9.37	63	43463	20.472	ug/l	95
46) Dibromomethane	9.46	93	26585	19.600	ug/l	98
47) Bromodichloromethane	9.65	83	61373	20.458	ug/l	99
48) Methyl methacrylate	9.44	41	28222	18.349	ug/l	98
49) 1,4-Dioxane	9.45	88	10529	355.138	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	166995	90.623	ug/l	98
52) Toluene	10.40	92	119962	20.868	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	59311	19.515	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	65438	19.572	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	37936	20.029	ug/l	96
56) Ethyl methacrylate	10.66	69	42664	18.944	ug/l	97
57) 1,3-Dichloropropane	10.94	76	62550	20.222	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91816	82.891	ug/l	99
59) 2-Hexanone	10.98	43	123875	86.652	ug/l	97
60) Dibromochloromethane	11.14	129	45181	19.750	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38678	19.600	ug/l	99
64) Tetrachloroethene	10.87	164	53259	20.217	ug/l	97
65) Chlorobenzene	11.67	112	135972	20.880	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	48467	20.727	ug/l	99
67) Ethyl Benzene	11.74	91	227997	20.727	ug/l	99
68) m/p-Xylenes	11.85	106	178853	41.831	ug/l	100
69) o-Xylene	12.18	106	80674	20.575	ug/l	98
70) Styrene	12.20	104	133301	20.856	ug/l	99
71) Bromoform	12.37	173	30146	19.002	ug/l #	99
73) Isopropylbenzene	12.48	105	231822	20.601	ug/l	100
74) N-amyl acetate	12.29	43	51004	18.666	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	47423	19.717	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	63179	31.351	ug/l #	100
77) Bromobenzene	12.76	156	57390	20.046	ug/l	99
78) n-propylbenzene	12.82	91	280521	20.663	ug/l	100
79) 2-Chlorotoluene	12.91	91	158348	20.675	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	199823	20.873	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11864	17.960	ug/l	99
82) 4-Chlorotoluene	13.01	91	167846	20.628	ug/l	100
83) tert-Butylbenzene	13.23	119	172648	20.581	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	200903	20.752	ug/l	100
85) sec-Butylbenzene	13.40	105	246921	20.399	ug/l	99
86) p-Isopropyltoluene	13.52	119	219635	20.456	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	116007	20.428	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	115522	20.344	ug/l	98
89) n-Butylbenzene	13.84	91	204872	20.313	ug/l	99
90) Hexachloroethane	14.12	117	40267	20.176	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	105455	20.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9364	17.641	ug/l	98

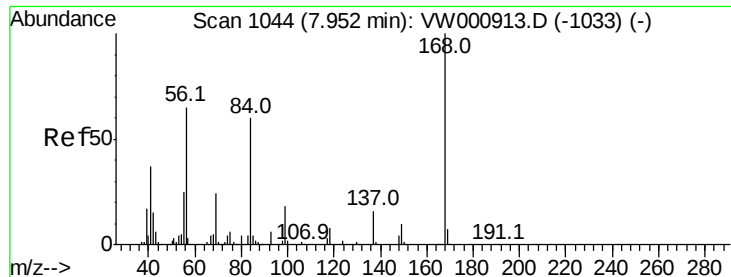
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	77845	20.419	ug/l	99
94) Hexachlorobutadiene	15.26	225	49456	20.465	ug/l	99
95) Naphthalene	15.40	128	153259	19.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	72235	20.598	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

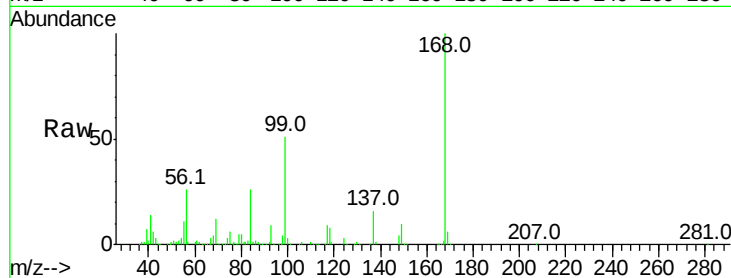
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 256019

Ion Ratio Lower Upper

168 100

99 51.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

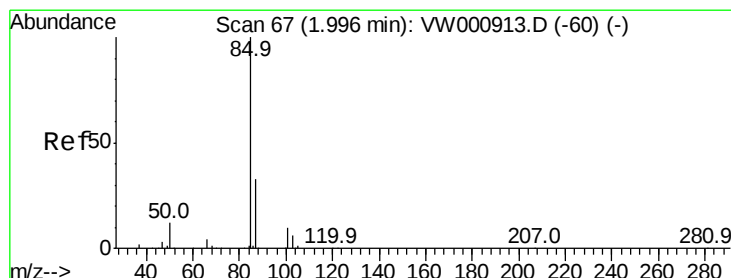
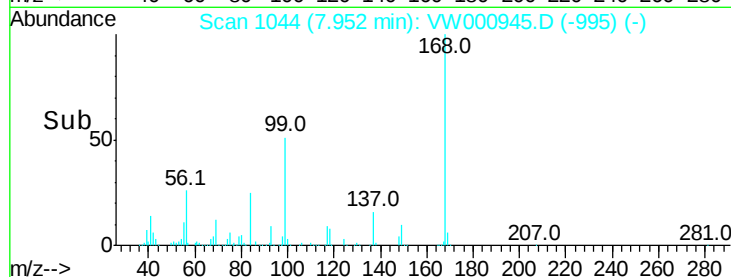
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 19.513 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000945.D

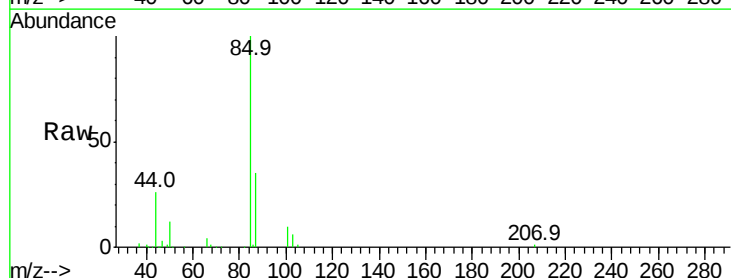
Acq: 24 Jan 2018 14:02

Tgt Ion: 85 Resp: 48169

Ion Ratio Lower Upper

85 100

87 34.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

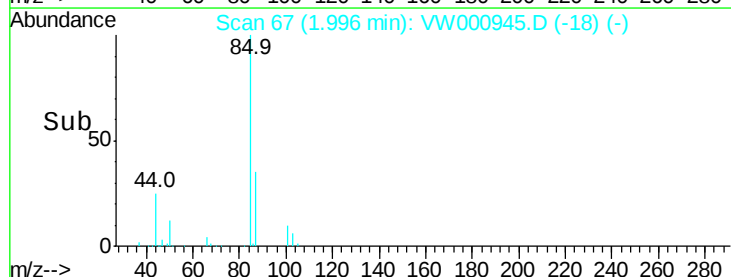
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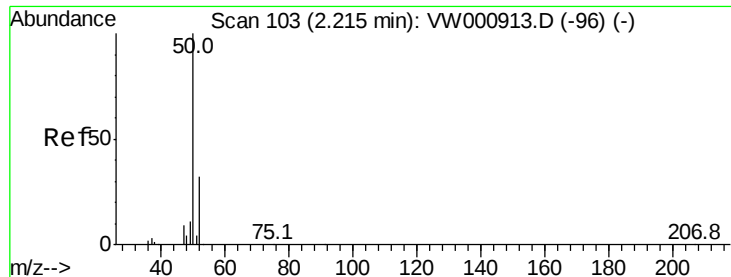
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.515 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

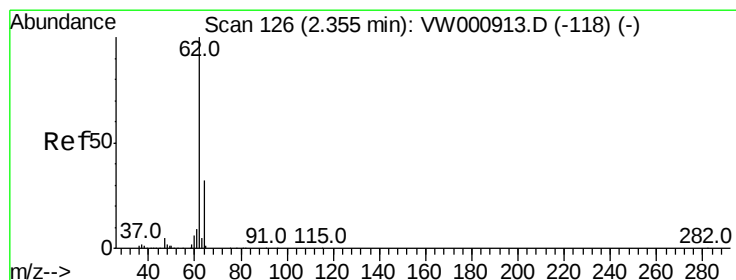
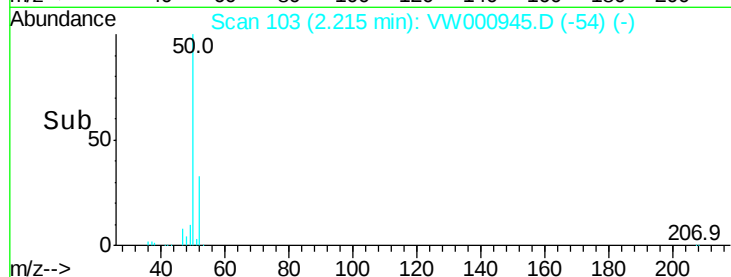
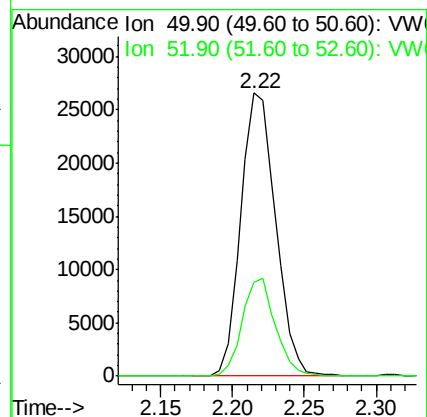
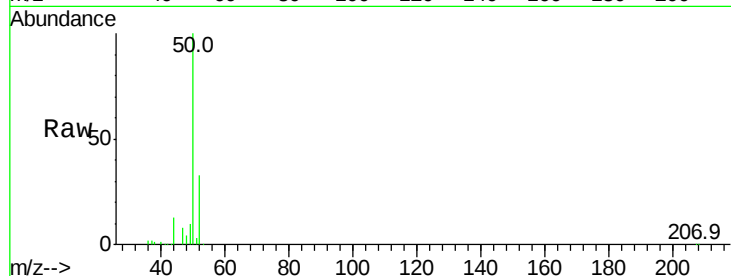
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 44756

Ion Ratio Lower Upper

50 100

52 33.2 25.5 38.3



#4

Vinyl Chloride

Concen: 19.620 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000945.D

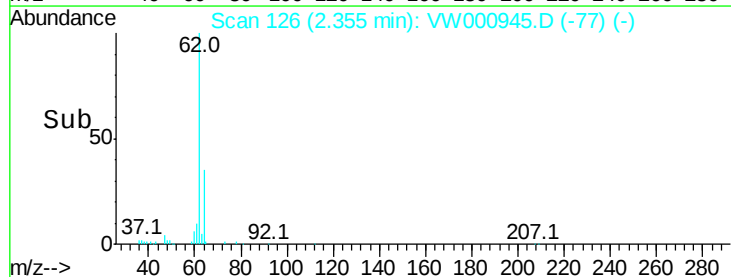
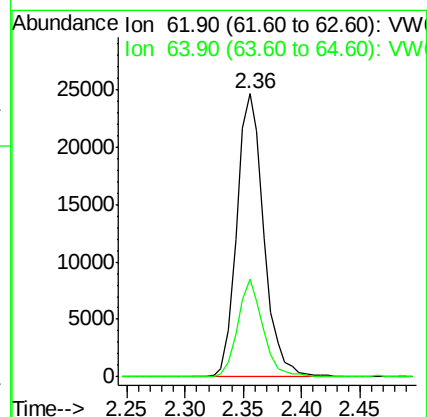
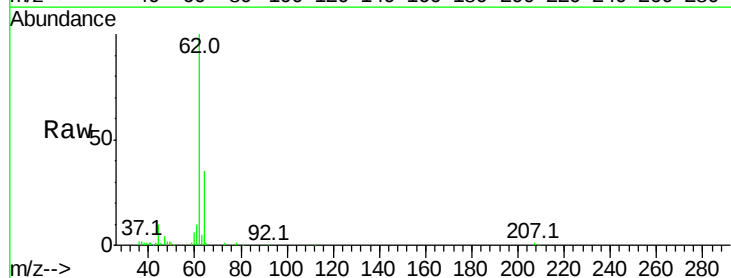
Acq: 24 Jan 2018 14:02

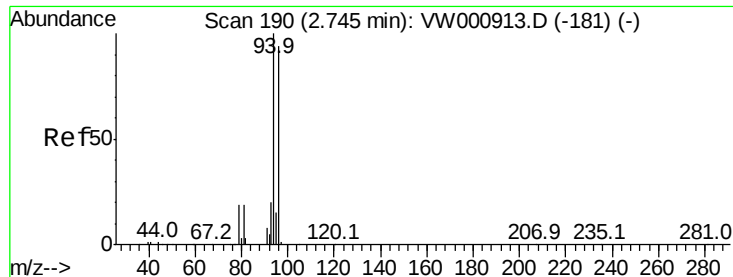
Tgt Ion: 62 Resp: 39813

Ion Ratio Lower Upper

62 100

64 34.5 25.6 38.4





#5

Bromomethane

Concen: 20.963 ug/l

RT: 2.74 min Scan# 189

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

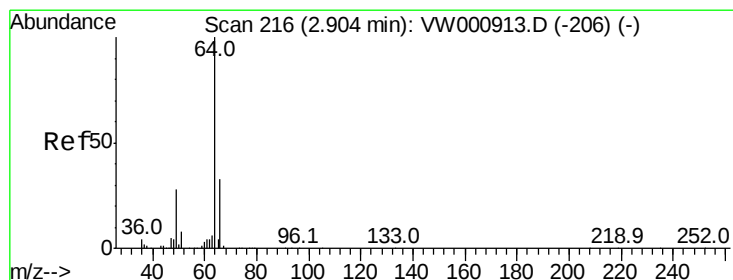
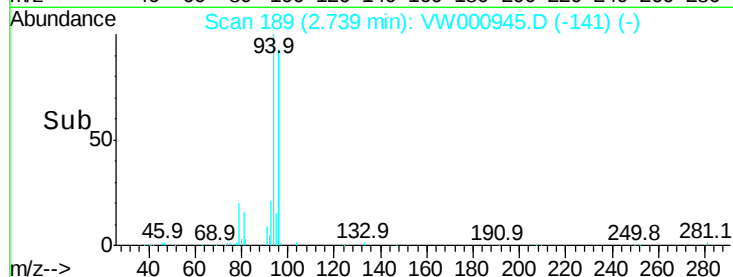
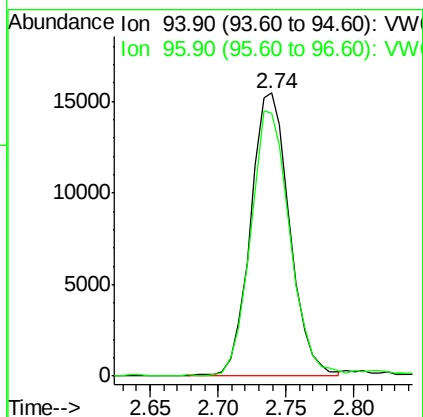
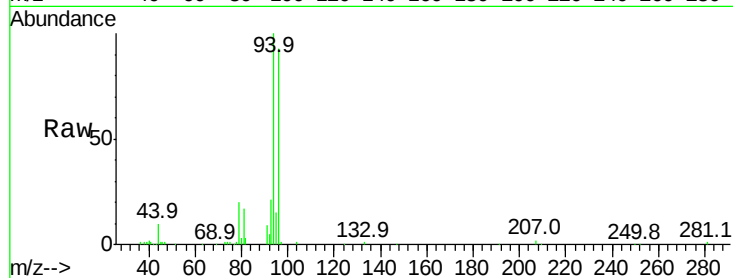
ClientSampleId :

Tot Ion: 94 Resp: 31090

Ion Ratio Lower Upper

94 100

96 92.4 75.5 113.3



#6

Chloroethane

Concen: 21.047 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW000945.D

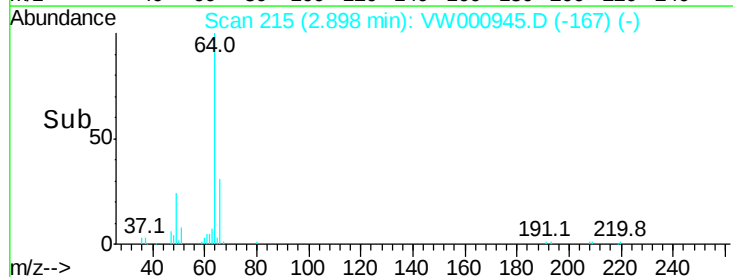
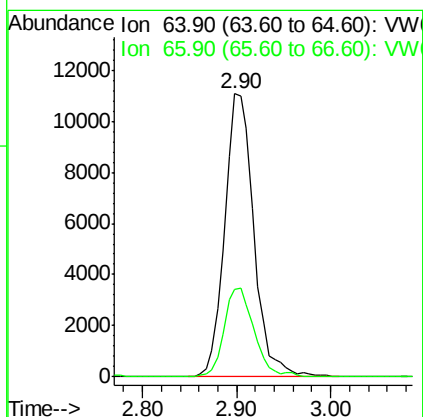
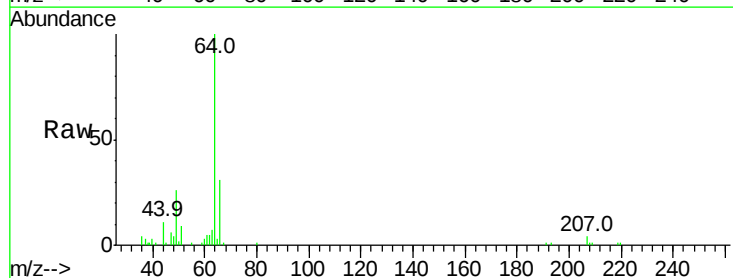
Acq: 24 Jan 2018 14:02

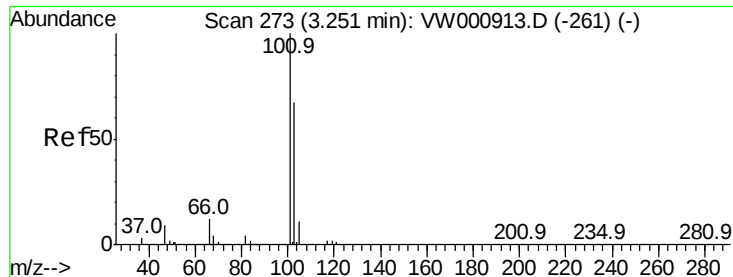
Tgt Ion: 64 Resp: 23732

Ion Ratio Lower Upper

64 100

66 31.1 26.1 39.1



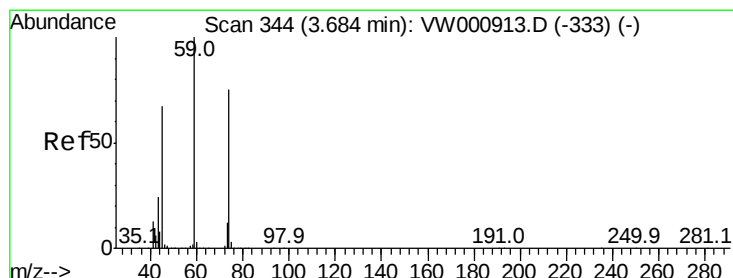
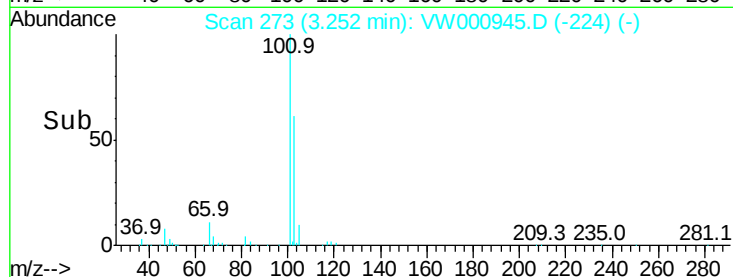
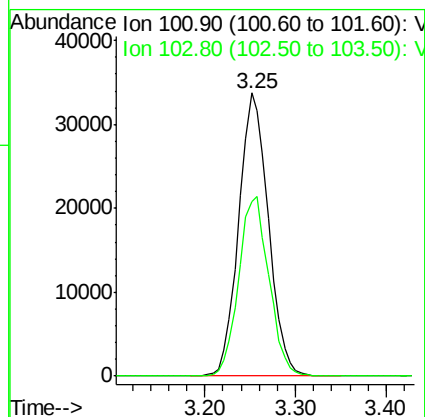
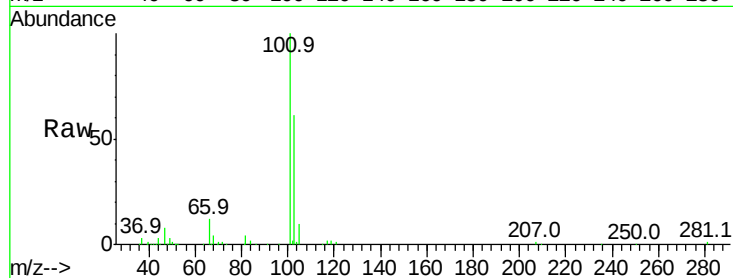


#7

Trichlorofluoromethane
Concen: 20.429 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
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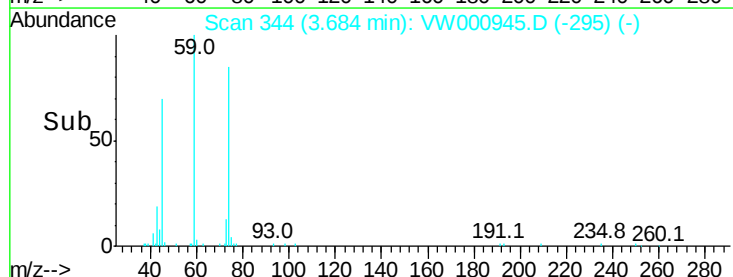
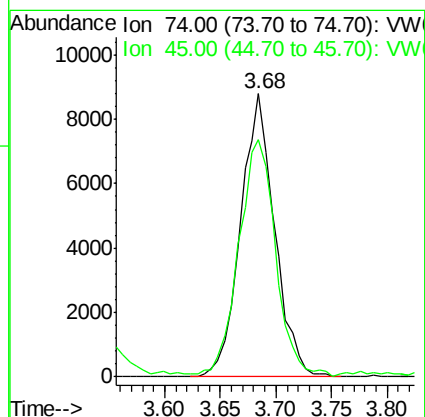
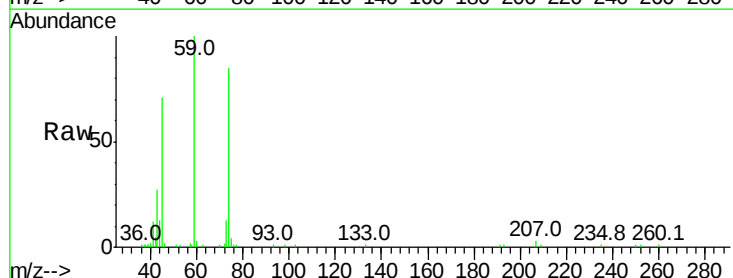
Tot Ion:101 Resp: 76332
Ion Ratio Lower Upper
101 100
103 61.5 53.4 80.0

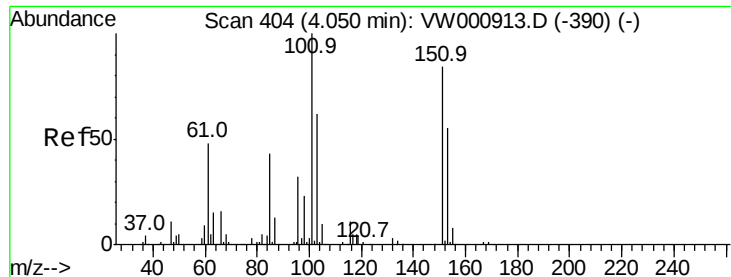


#8

Diethyl Ether
Concen: 19.865 ug/l
RT: 3.68 min Scan# 344
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 74 Resp: 18592
Ion Ratio Lower Upper
74 100
45 91.9 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.823 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

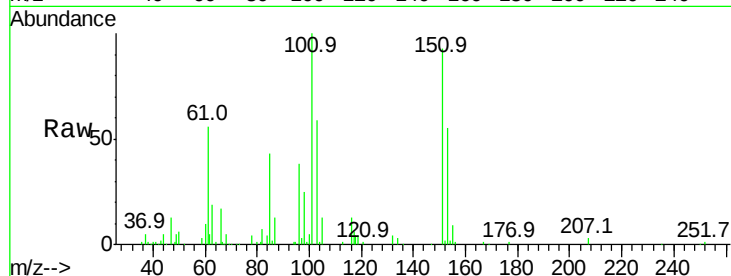
Tot Ion:101 Resp: 43021

Ion Ratio Lower Upper

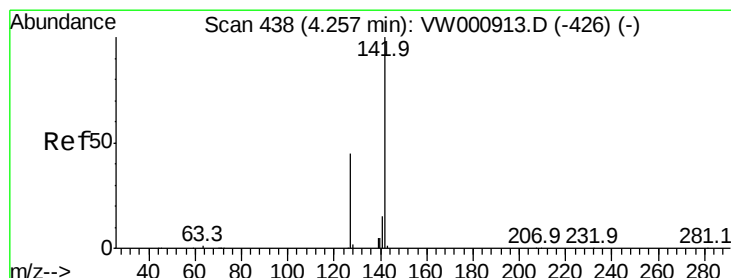
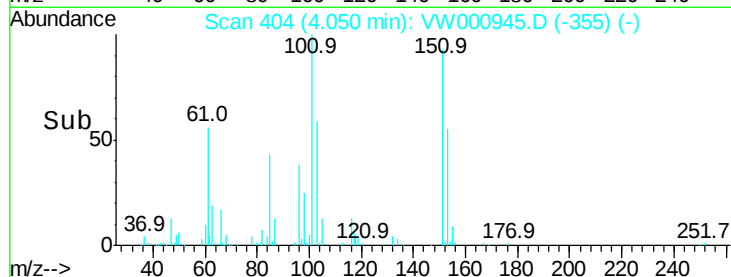
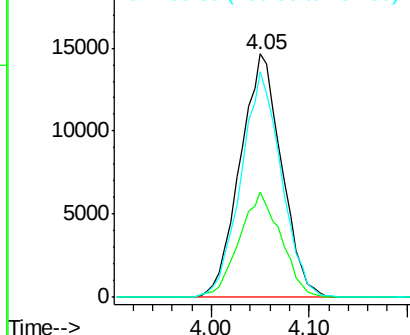
101 100

85 43.5 35.3 52.9

151 90.2 69.9 104.9



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: 18.212 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

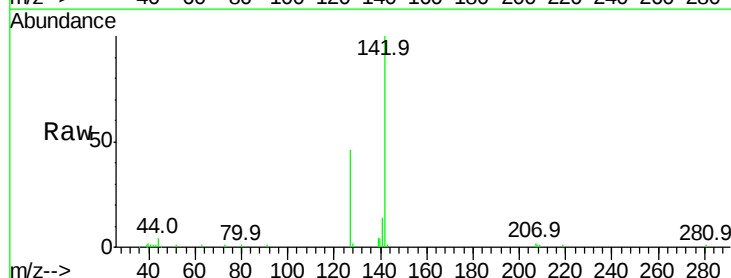
Tgt Ion:142 Resp: 37853

Ion Ratio Lower Upper

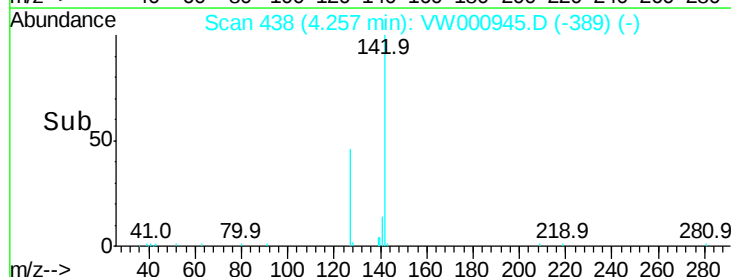
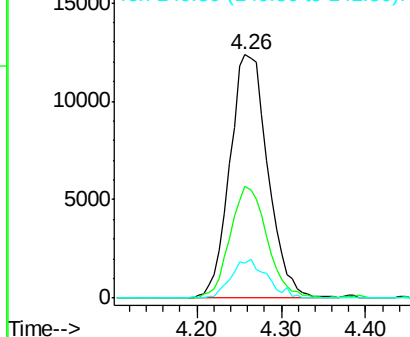
142 100

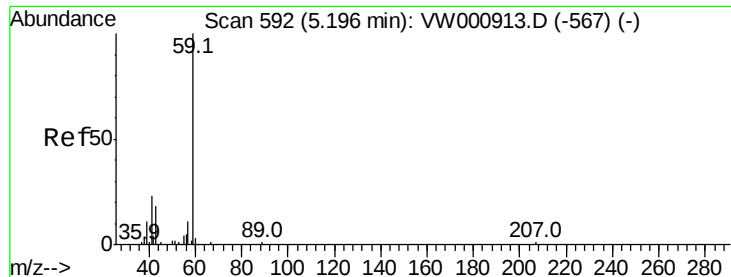
127 44.5 35.5 53.3

141 15.0 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



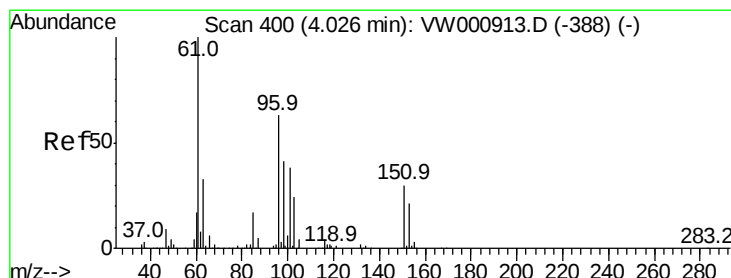
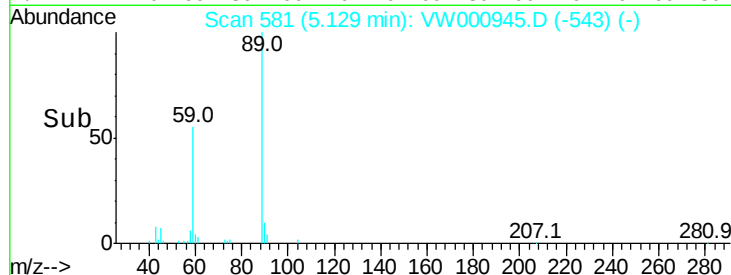
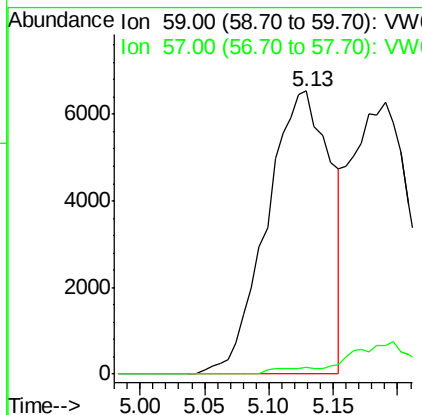
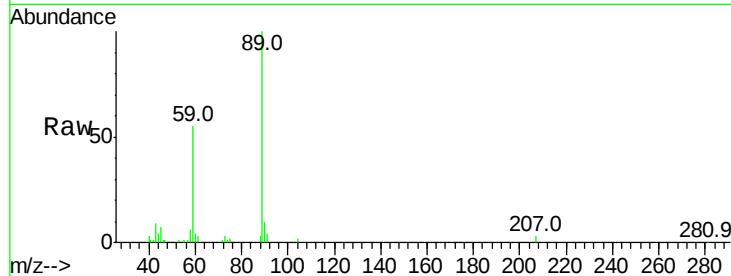


#11

Tert butyl alcohol
 Concen: 84.754 ug/l
 RT: 5.13 min Scan# 581
 Delta R.T. -0.07 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Instrument :
 MSVOA_W
 ClientSampled :

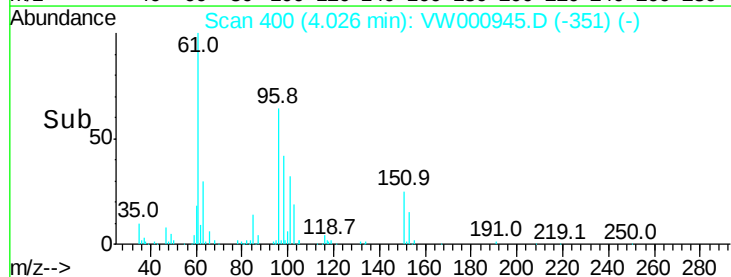
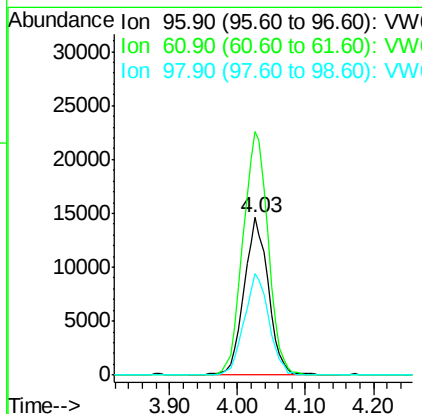
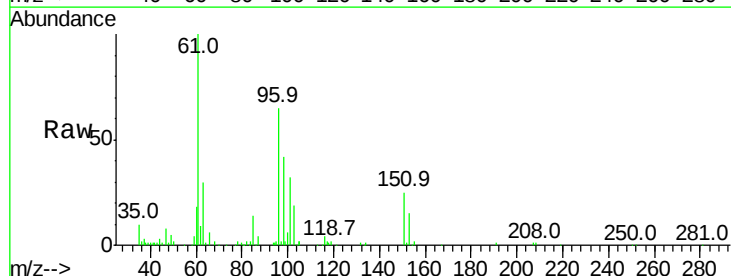
Tot Ion: 59 Resp: 22554
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.6#

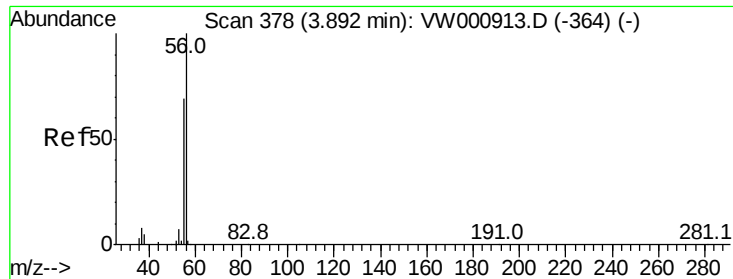


#12

1,1-Dichloroethene
 Concen: 17.550 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion: 96 Resp: 36409
 Ion Ratio Lower Upper
 96 100
 61 154.5 126.7 190.1
 98 64.9 52.1 78.1





#13

Acrolein

Concen: 67.212 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

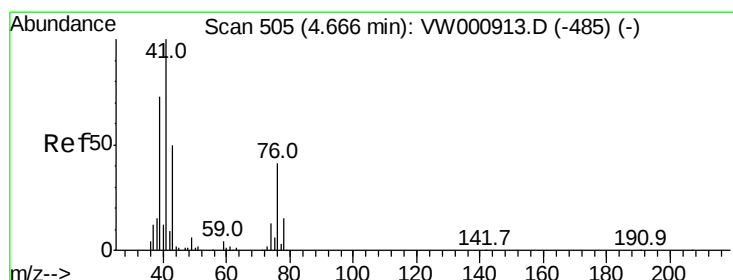
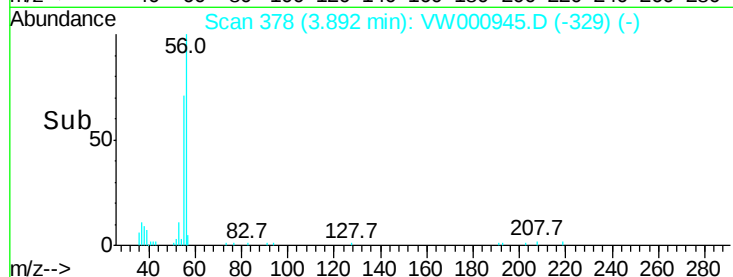
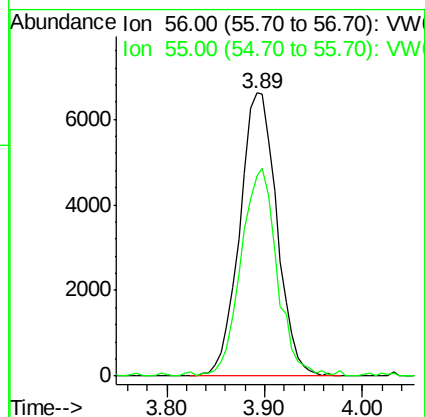
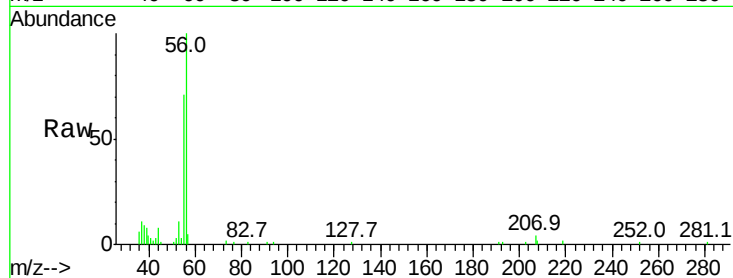
ClientSampleId :

Tot Ion: 56 Resp: 17463

Ion Ratio Lower Upper

56 100

55 71.6 55.4 83.0



#14

Allyl chloride

Concen: 19.567 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

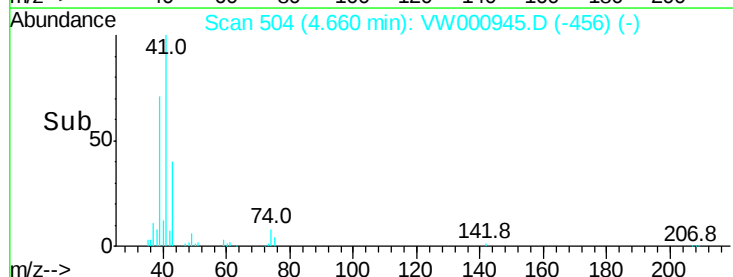
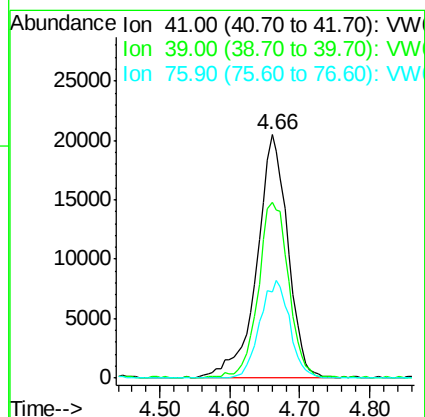
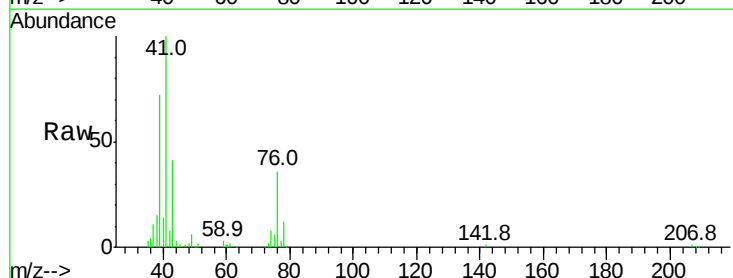
Tgt Ion: 41 Resp: 63252

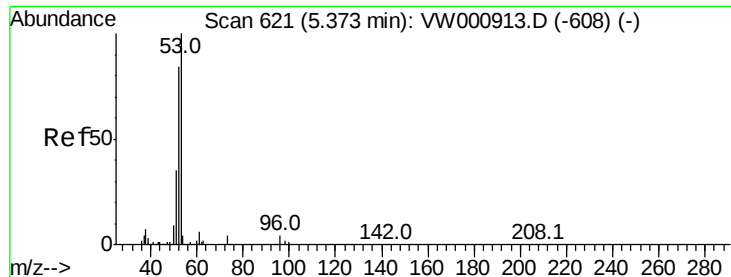
Ion Ratio Lower Upper

41 100

39 70.9 55.3 82.9

76 38.3 29.9 44.9





#15

Acrylonitrile

Concen: 91.237 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

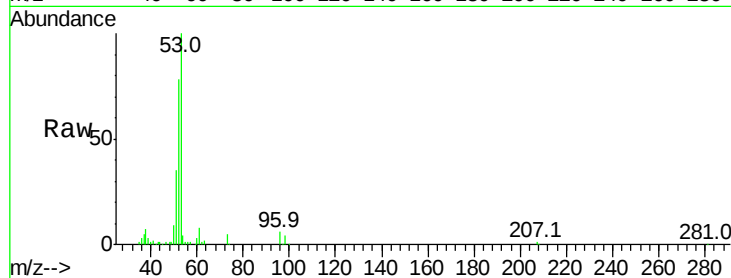
Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 53 Resp: 66700

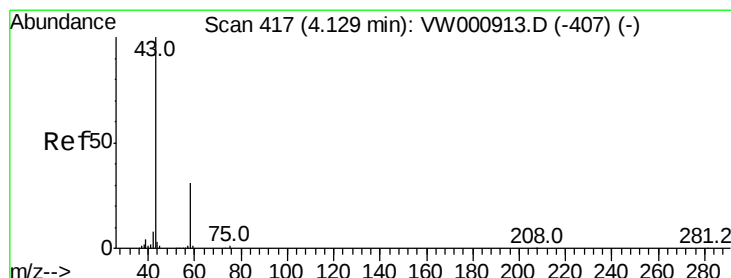
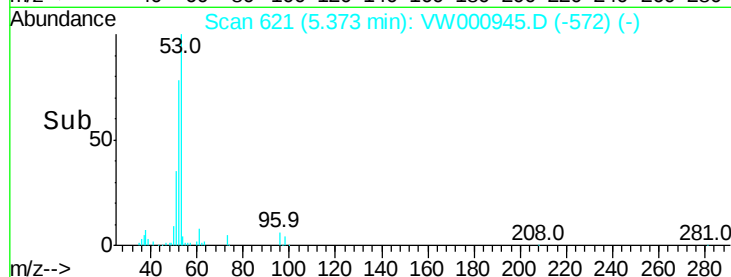
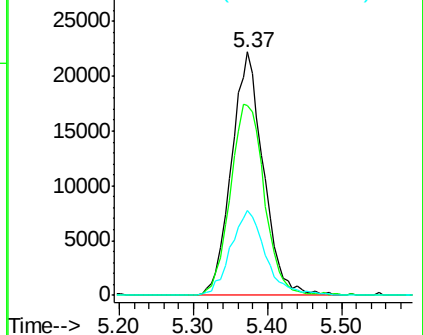
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	99.8
51	37.9	29.4	44.0



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 74.474 ug/l

RT: 4.13 min Scan# 417

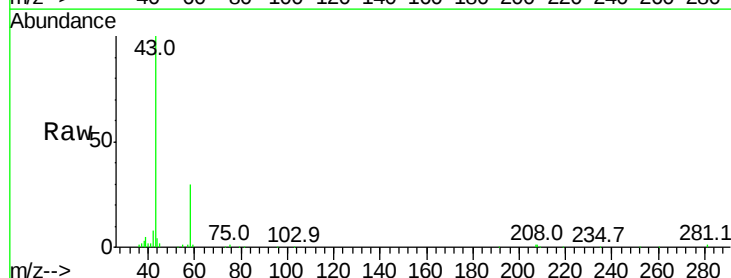
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

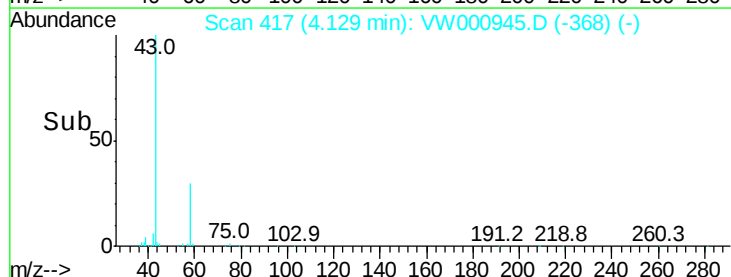
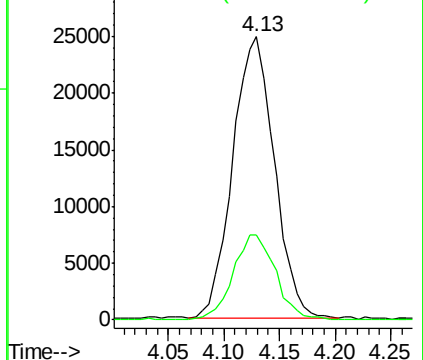
Tgt Ion: 43 Resp: 64702

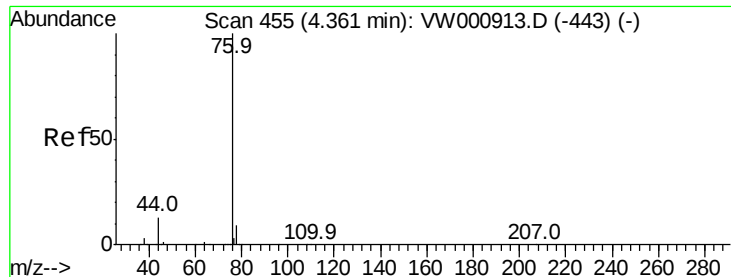
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.9	37.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.039 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

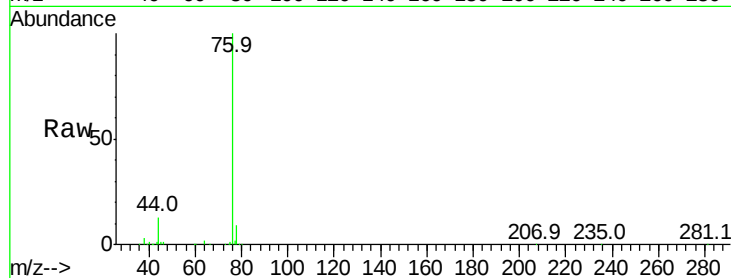
ClientSampled :

Tot Ion: 76 Resp: 130462

Ion Ratio Lower Upper

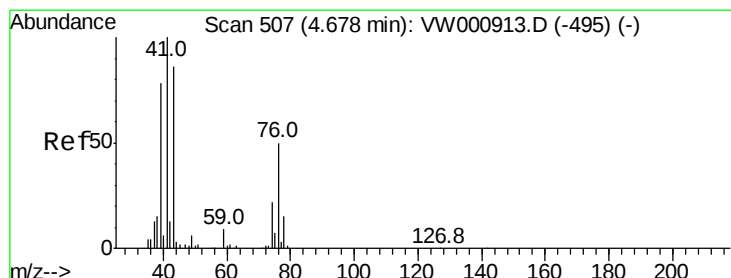
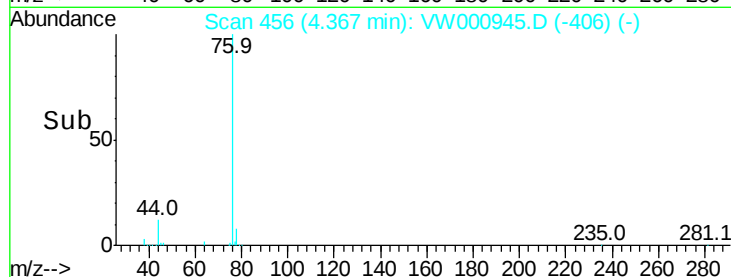
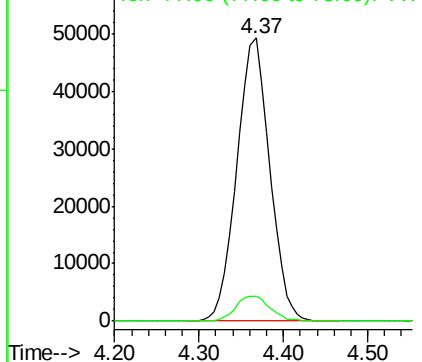
76 100

78 8.9 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 16.617 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW000945.D

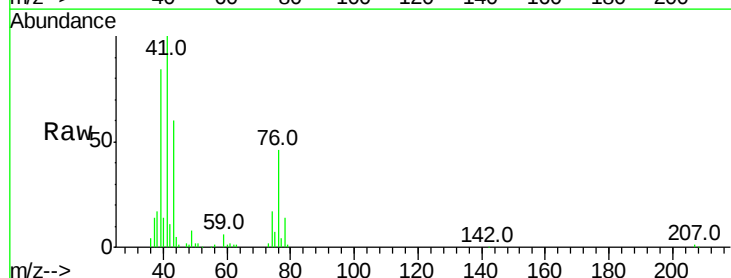
Acq: 24 Jan 2018 14:02

Tgt Ion: 43 Resp: 29993

Ion Ratio Lower Upper

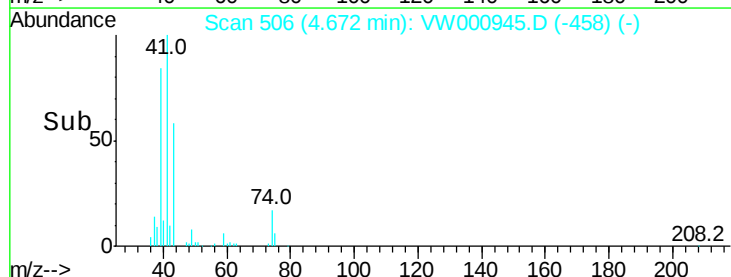
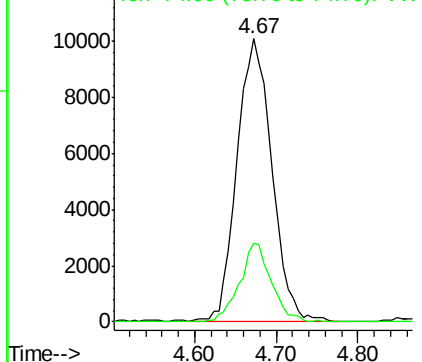
43 100

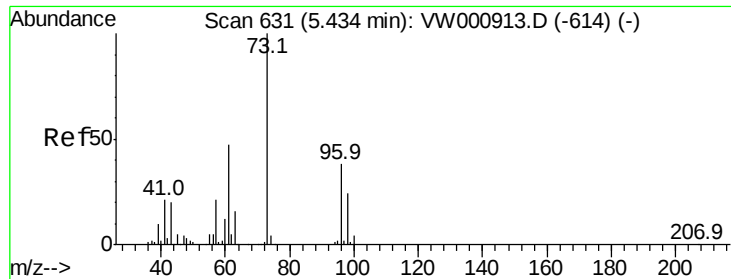
74 25.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

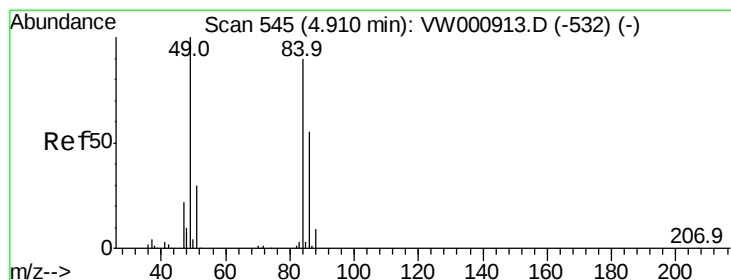
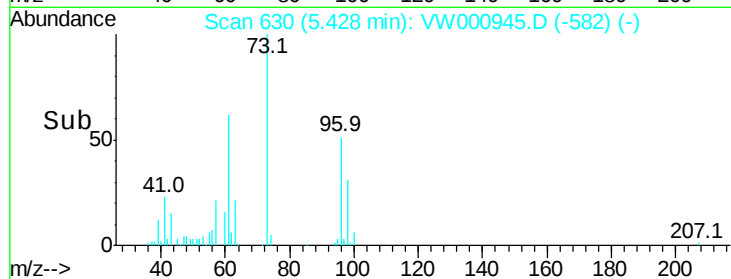
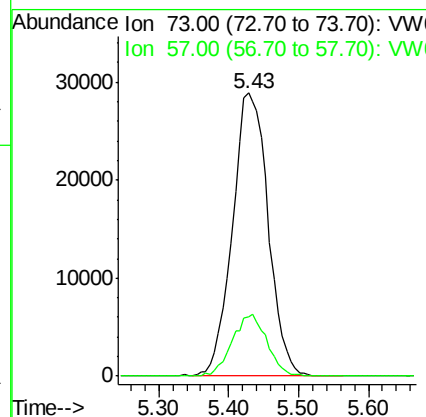
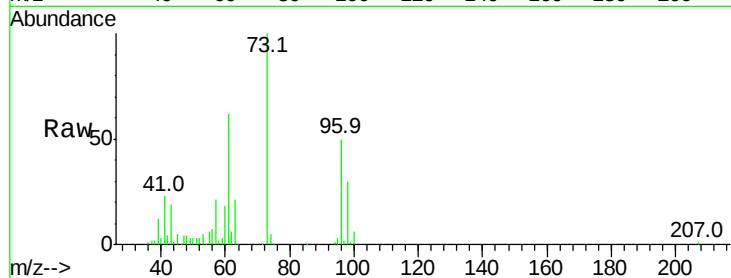




#19
Methvl tert-butvl Ether
Concen: 19.171 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

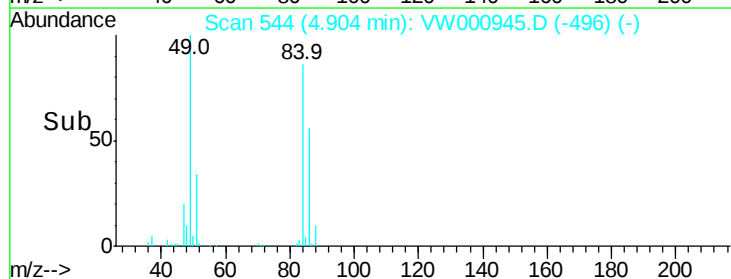
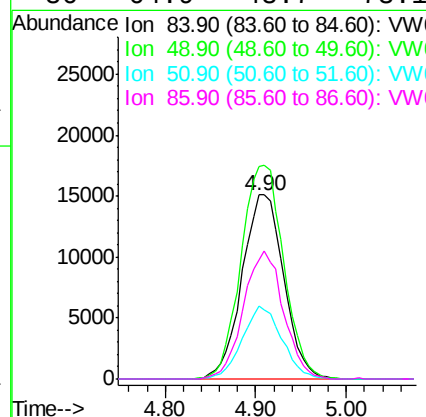
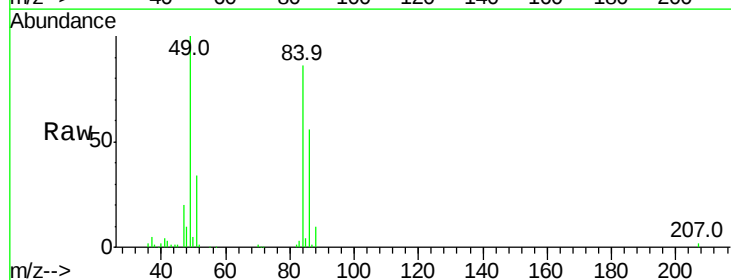
Instrument :
MSVOA_W
ClientSampled :

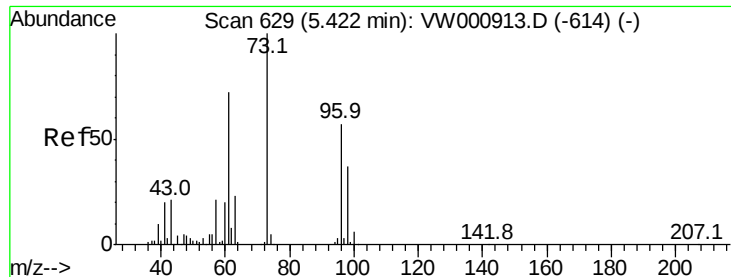
Tot Ion: 73 Resp: 102175
Ion Ratio Lower Upper
73 100
57 21.0 16.7 25.1



#20
Methylene Chloride
Concen: 19.994 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 84 Resp: 48172
Ion Ratio Lower Upper
84 100
49 115.7 89.0 133.4
51 39.4 26.7 40.1
86 64.9 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 19.966 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampled :

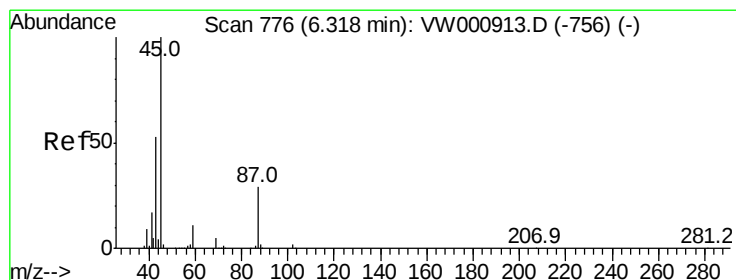
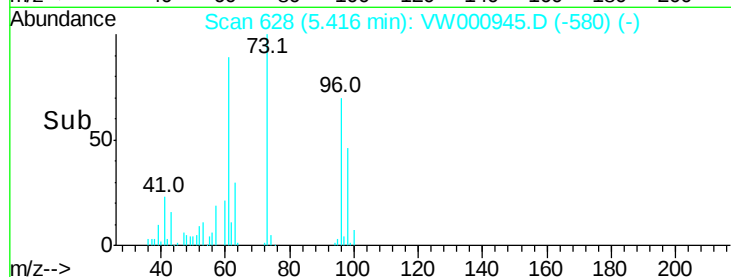
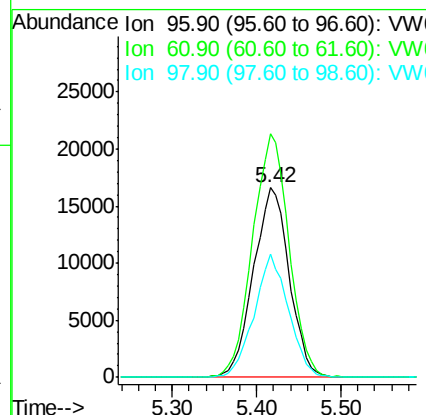
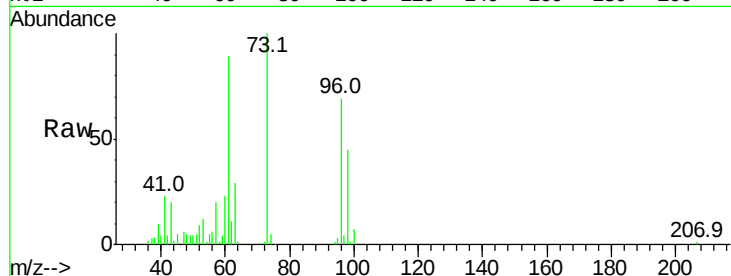
Tot Ion: 96 Resp: 48129

Ion Ratio Lower Upper

96 100

61 128.7 101.1 151.7

98 65.0 52.2 78.2



#22

Diisopropyl ether

Concen: 20.452 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion: 45 Resp: 118366

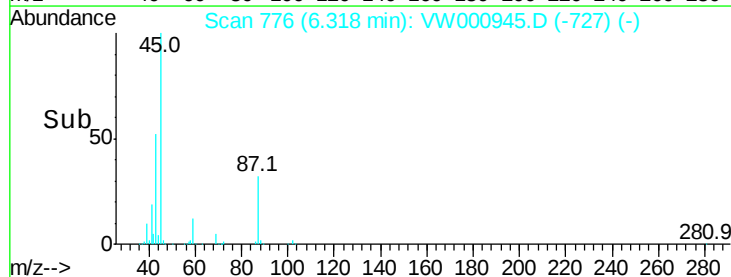
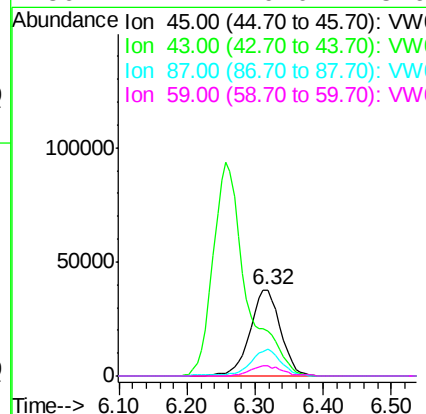
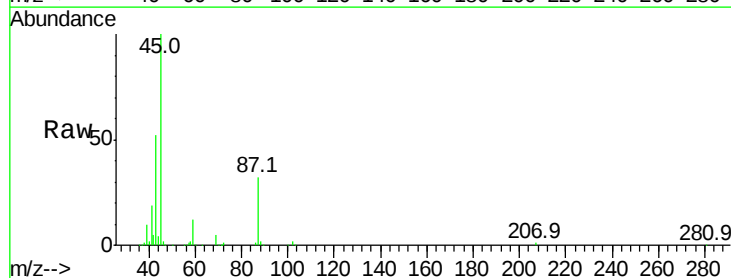
Ion Ratio Lower Upper

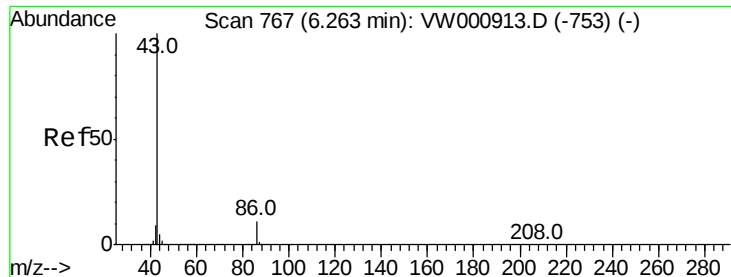
45 100

43 51.7 42.7 64.1

87 32.0 23.8 35.8

59 11.4 9.0 13.6





#23

Vinyl Acetate

Concen: 87.983 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

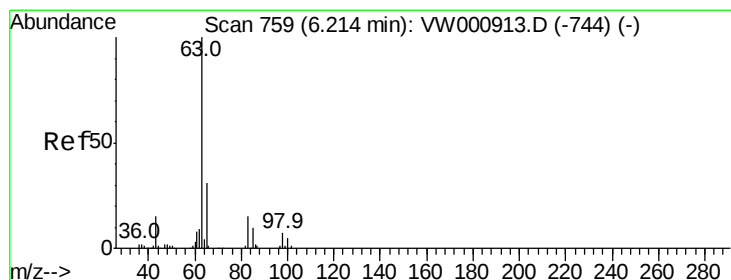
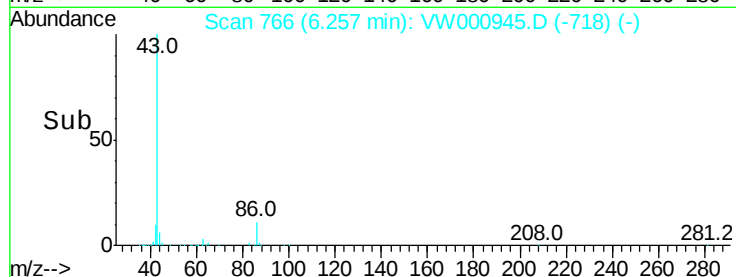
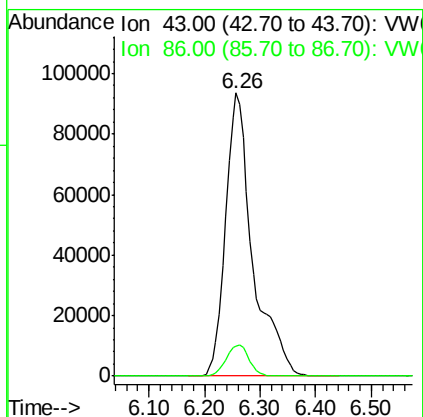
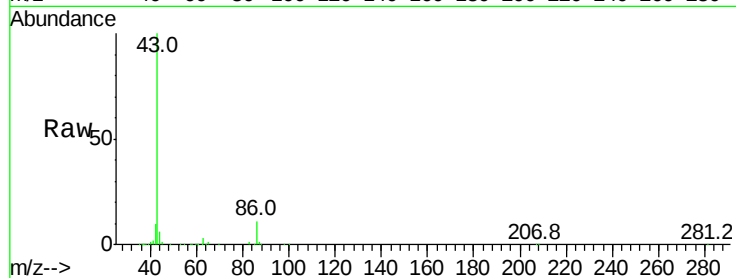
ClientSampled :

Tot Ion: 43 Resp: 316402

Ion Ratio Lower Upper

43 100

86 10.7 9.1 13.7



#24

1,1-Dichloroethane

Concen: 20.289 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

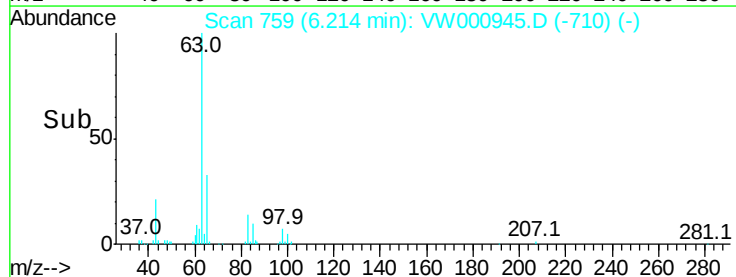
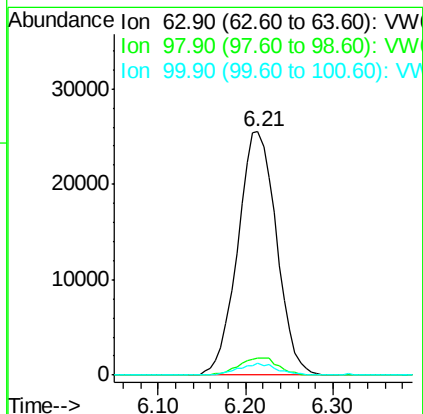
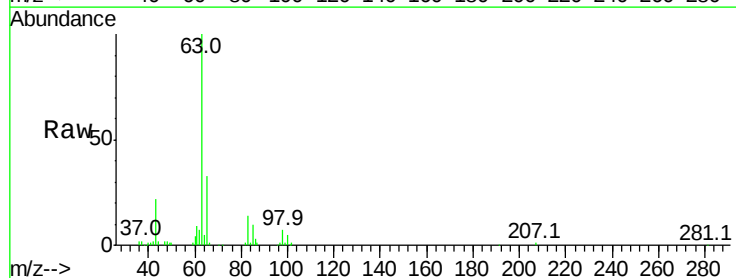
Tgt Ion: 63 Resp: 78598

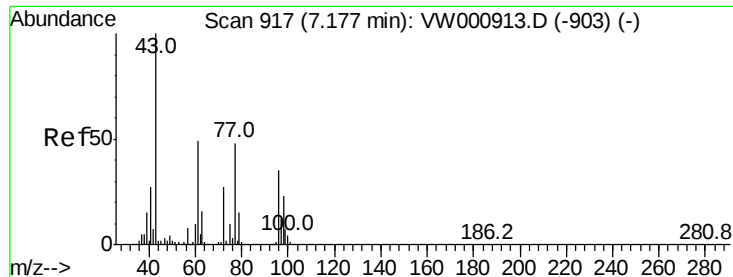
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 82.519 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

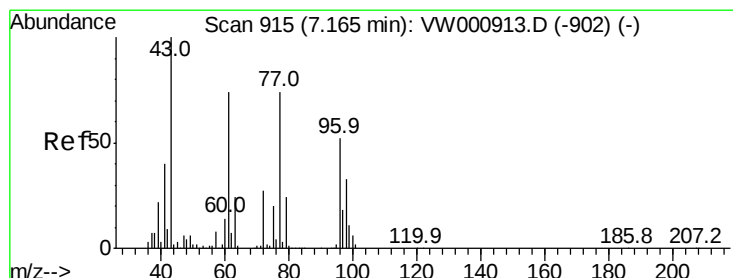
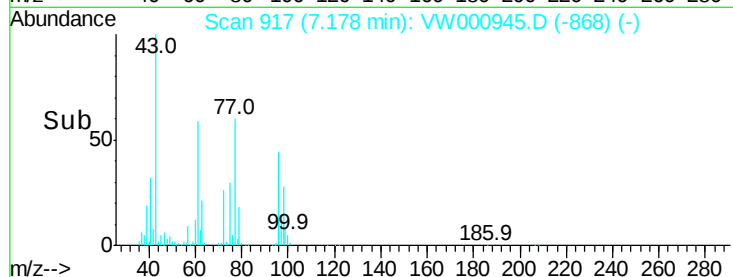
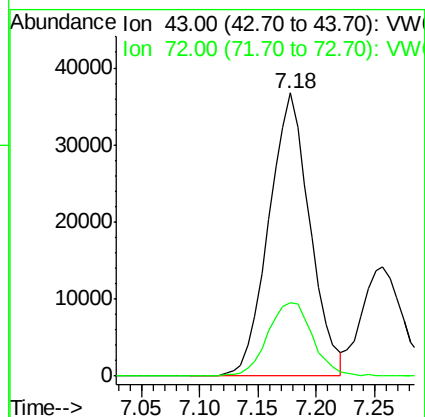
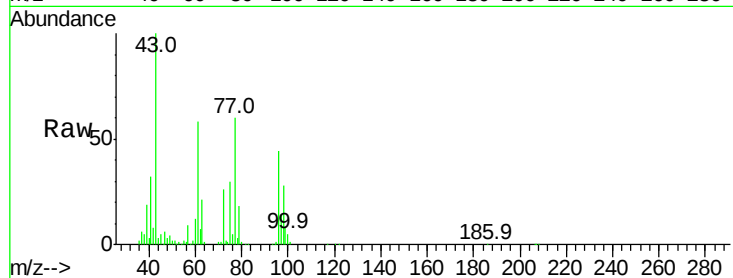
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 89584

Ion Ratio Lower Upper

43 100

72 25.8 21.5 32.3



#26

2,2-Dichloropropane

Concen: 19.883 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000945.D

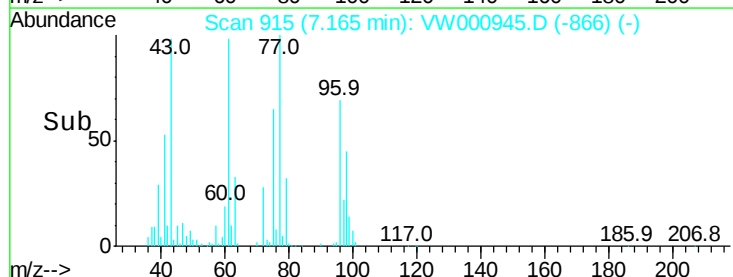
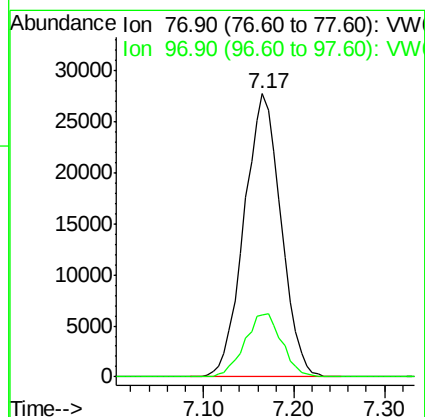
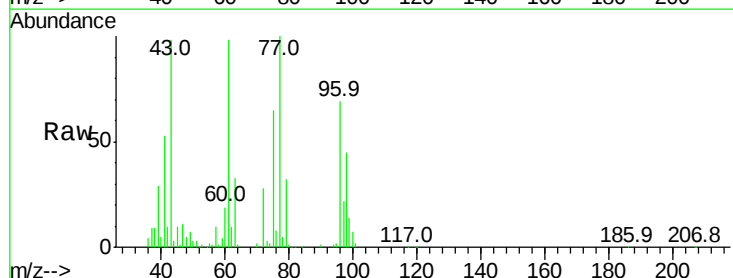
Acq: 24 Jan 2018 14:02

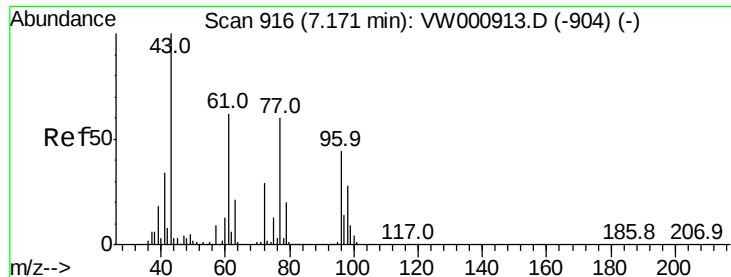
Tgt Ion: 77 Resp: 77974

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.3



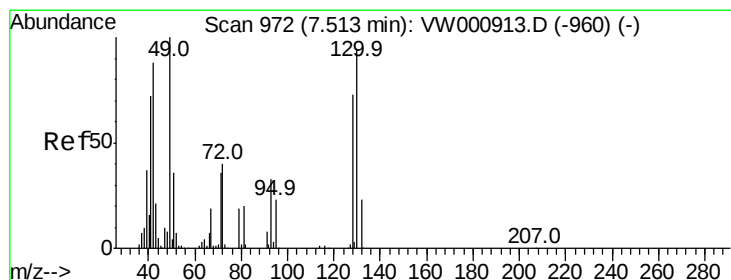
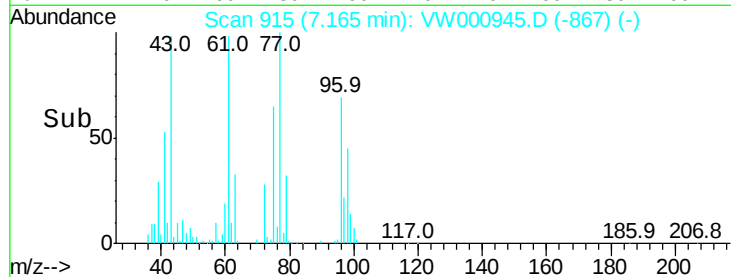
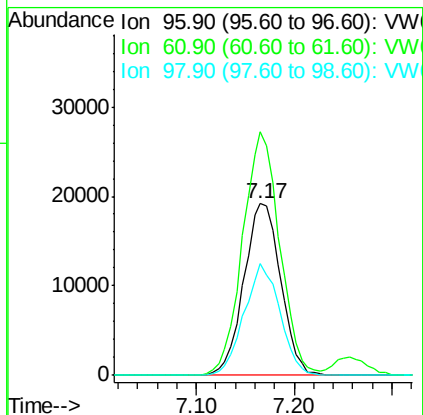
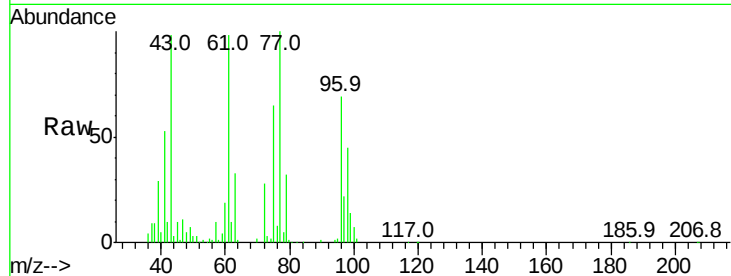


#27

cis-1,2-Dichloroethene
Concen: 20.187 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :

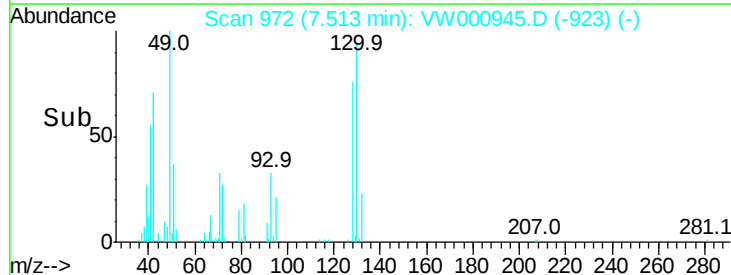
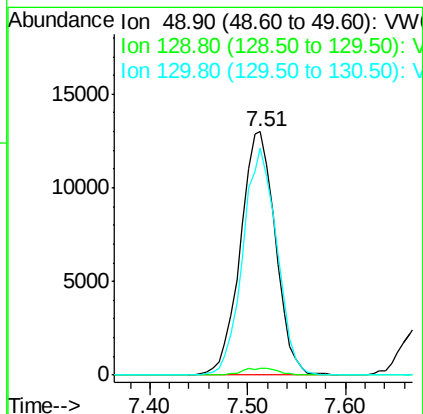
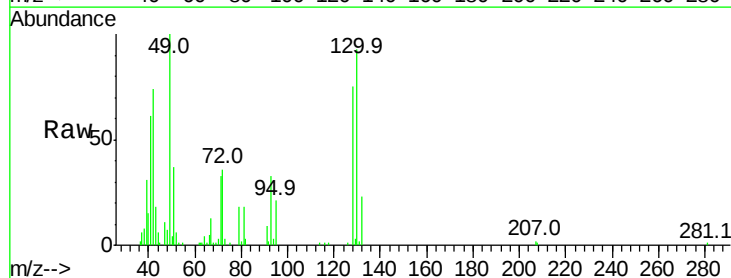
Tot Ion	96	Resp	50291
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	279.8
98	63.1	0.0	127.6

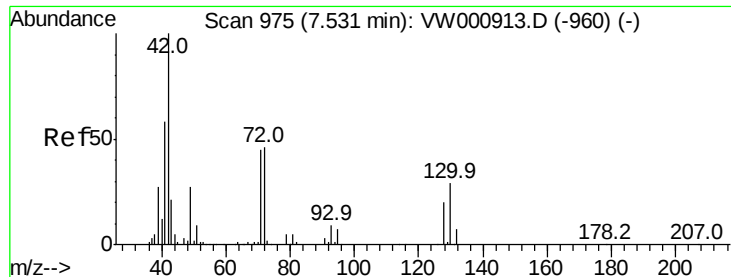


#28

Bromochloromethane
Concen: 19.863 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion	49	Resp	32322
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	2.8#
130	90.4	73.8	110.6

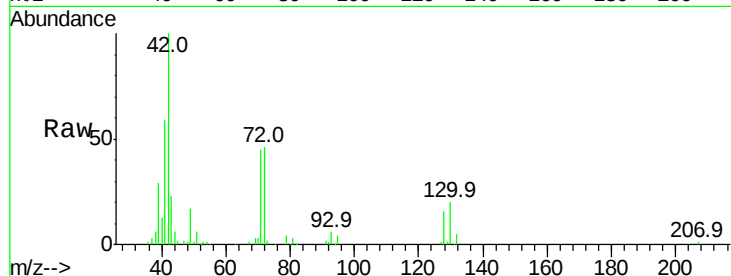




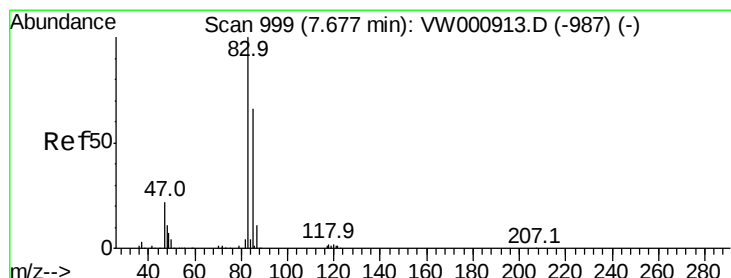
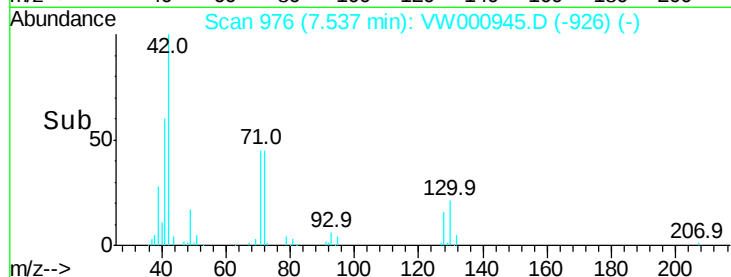
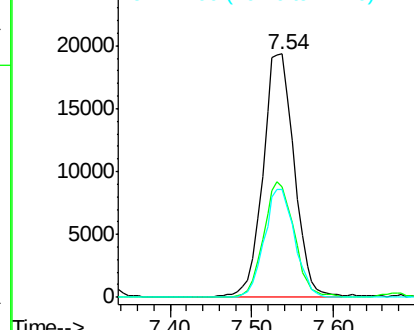
#29
Tetrahydrofuran
Concen: 86.732 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 51806
Ion Ratio Lower Upper
42 100
72 46.3 37.1 55.7
71 42.9 34.9 52.3

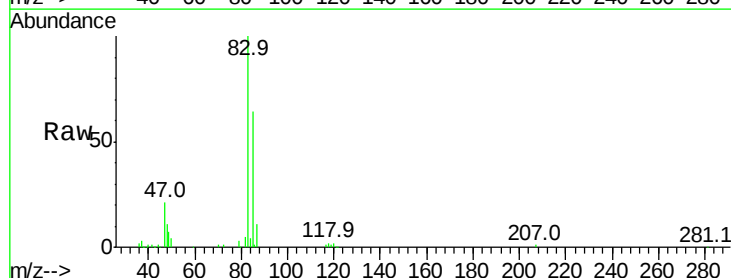


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

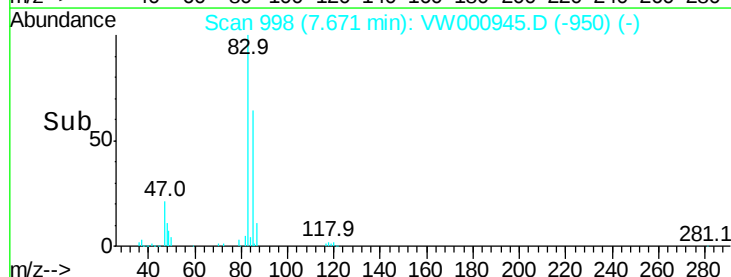
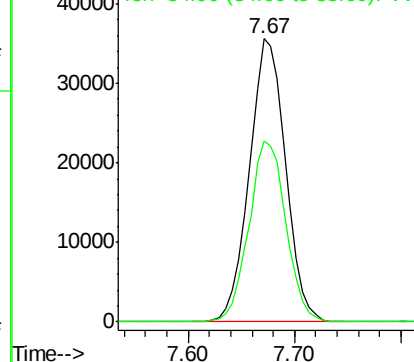


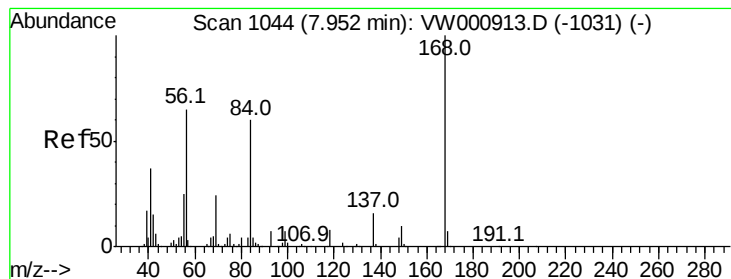
#30
Chloroform
Concen: 20.363 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 83 Resp: 85085
Ion Ratio Lower Upper
83 100
85 63.8 52.5 78.7



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





#31

Cyclohexane

Concen: 19.386 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :

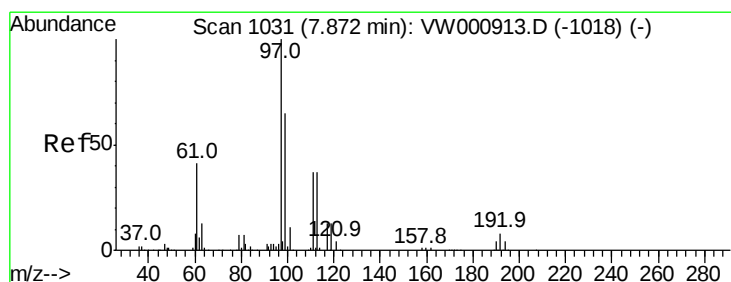
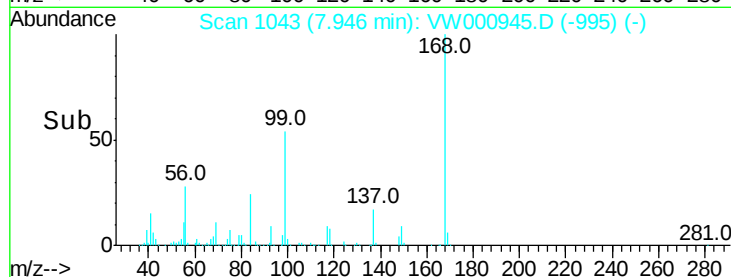
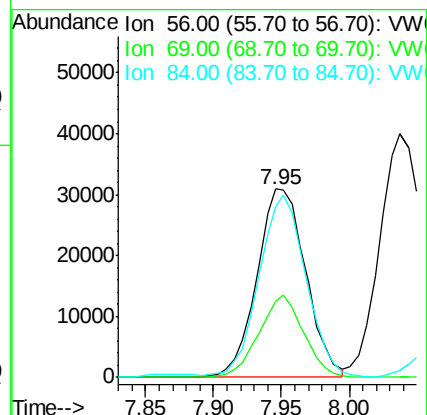
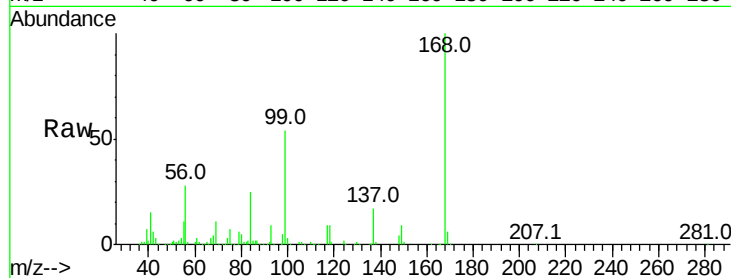
Tot Ion: 56 Resp: 77531

Ion Ratio Lower Upper

56 100

69 40.3 29.2 43.8

84 89.1 73.6 110.4



#32

1,1,1-Trichloroethane

Concen: 20.214 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

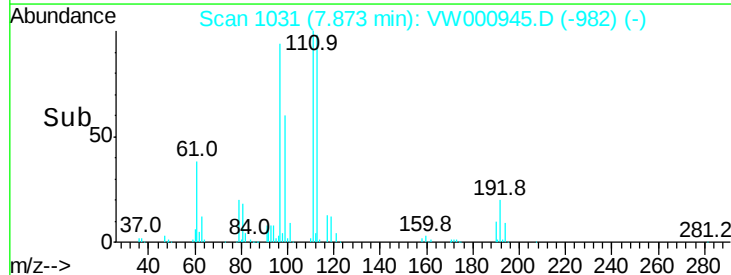
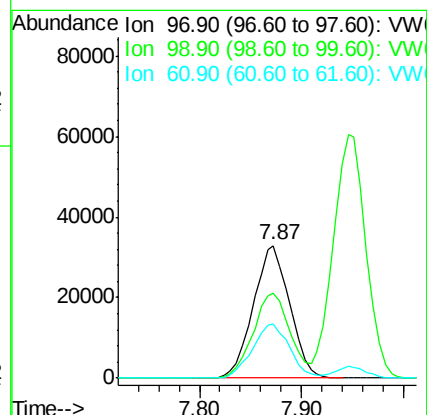
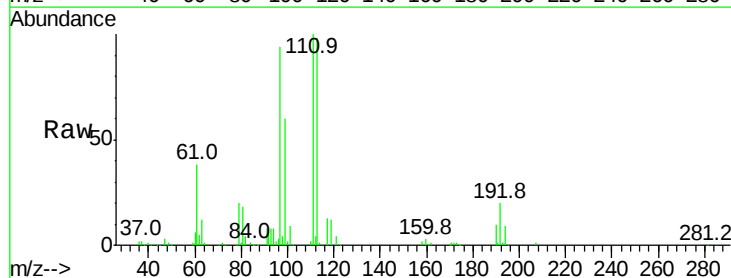
Tgt Ion: 97 Resp: 81624

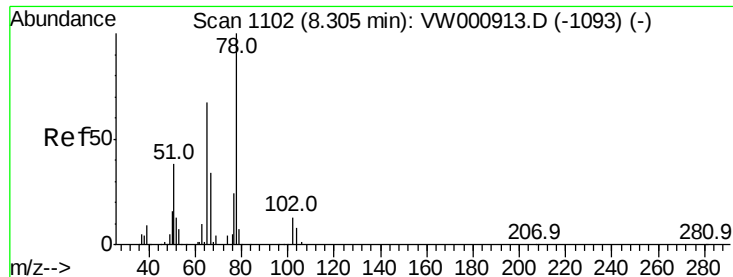
Ion Ratio Lower Upper

97 100

99 66.2 52.6 78.8

61 41.5 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 48.516 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

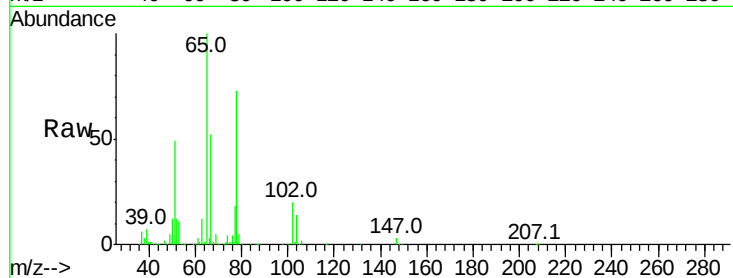
ClientSampleId :

Tot Ion: 65 Resp: 119054

Ion Ratio Lower Upper

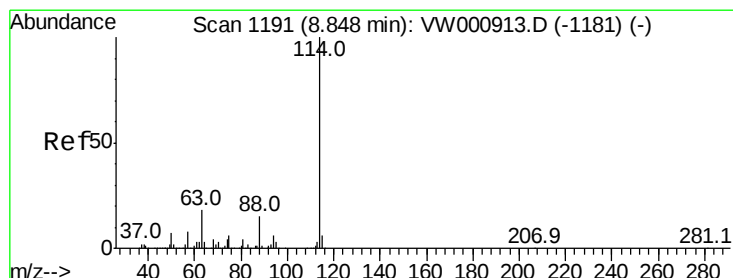
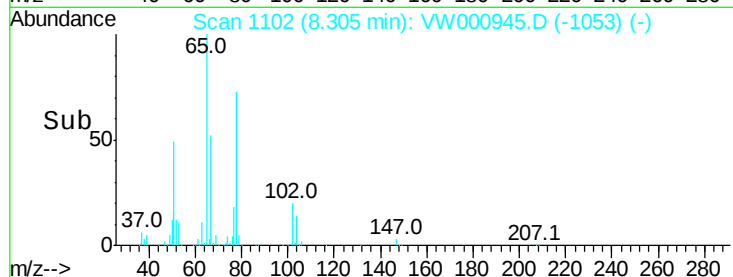
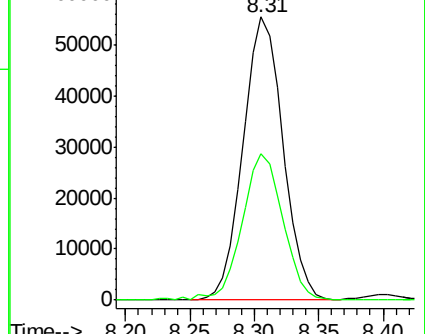
65 100

67 52.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

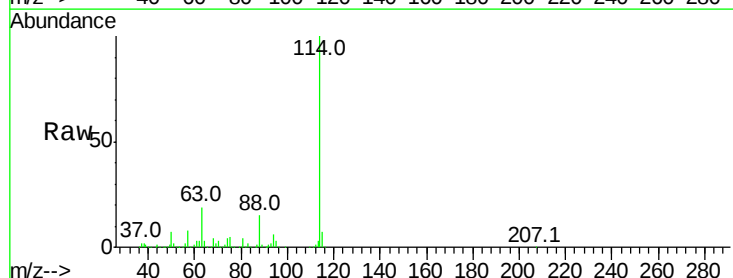
Tgt Ion: 114 Resp: 350758

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

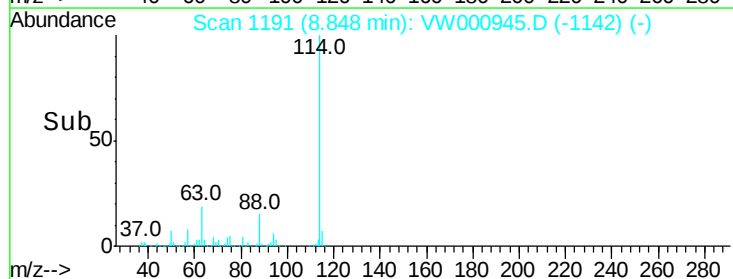
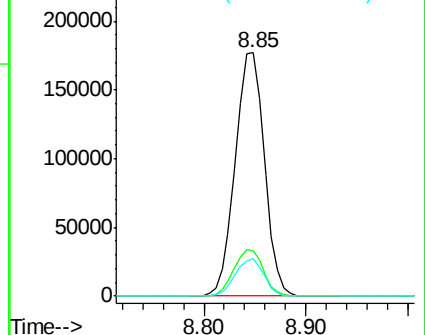
88 15.2 0.0 29.8

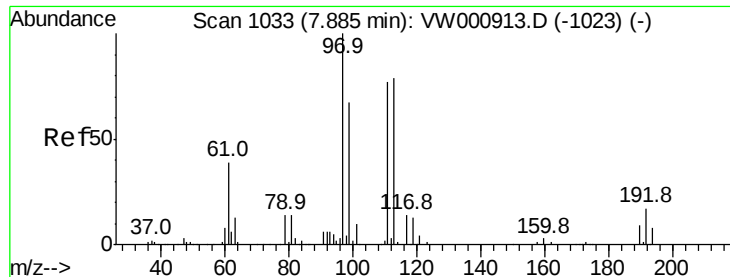


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 49.862 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

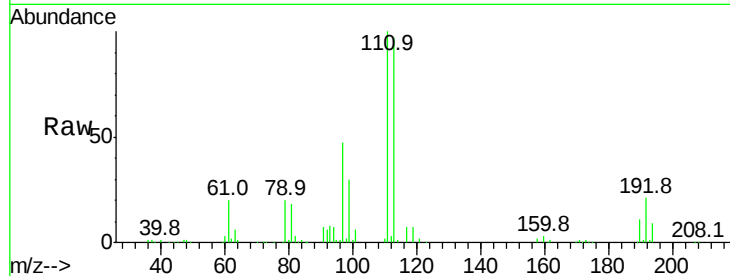
Tot Ion:113 Resp: 107142

Ion Ratio Lower Upper

113 100

111 100.5 80.4 120.6

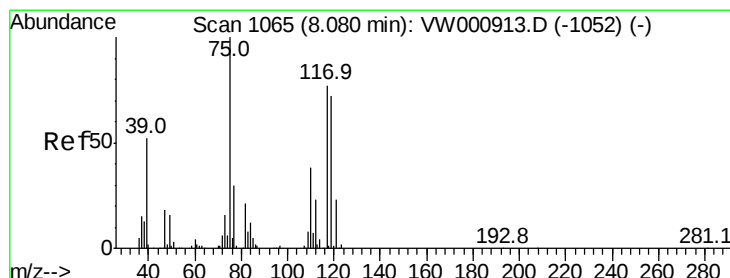
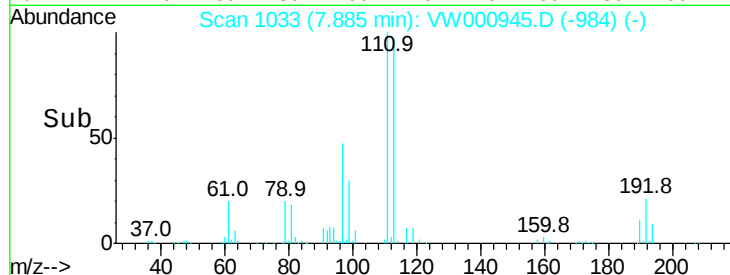
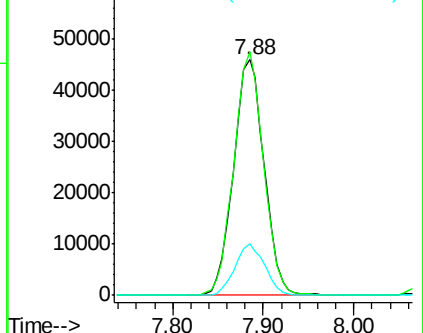
192 21.5 17.0 25.4



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: 20.581 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

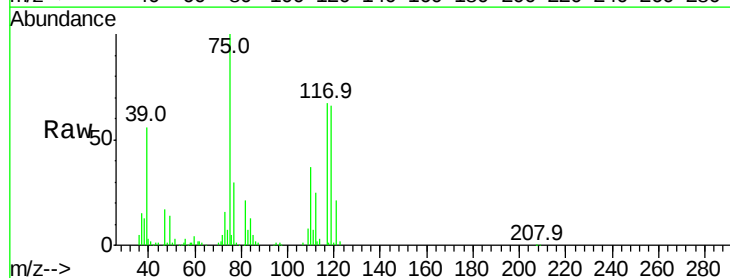
Tgt Ion: 75 Resp: 68877

Ion Ratio Lower Upper

75 100

110 37.5 18.6 56.0

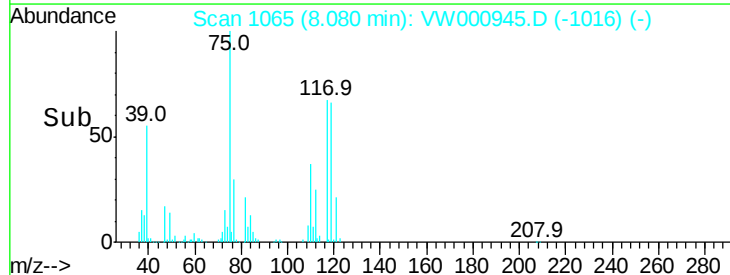
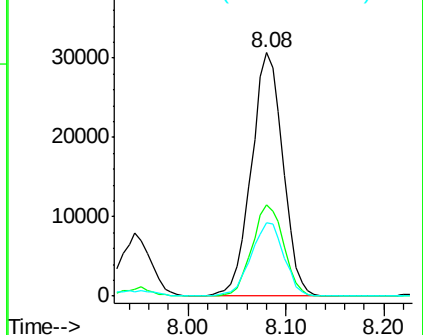
77 31.4 24.6 36.8

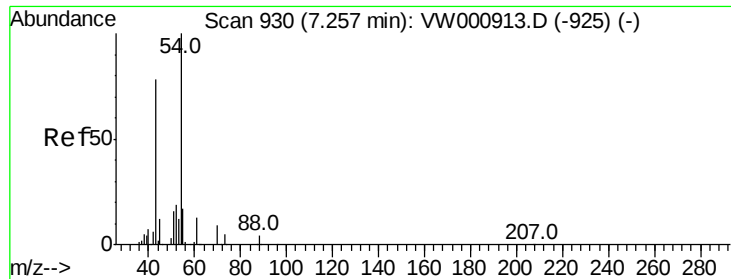


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

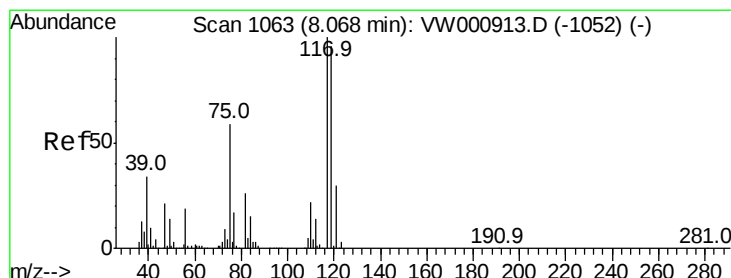
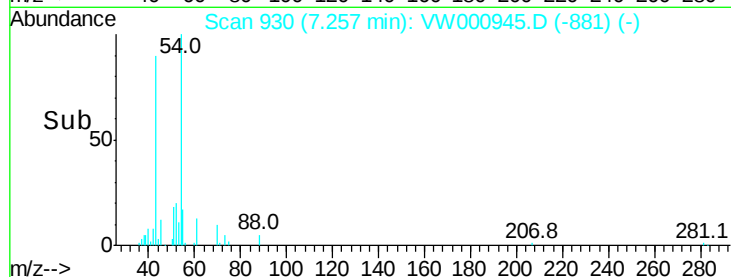
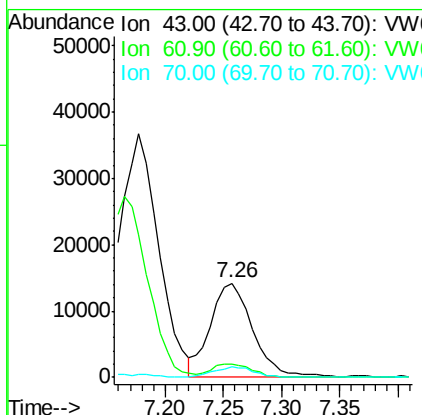
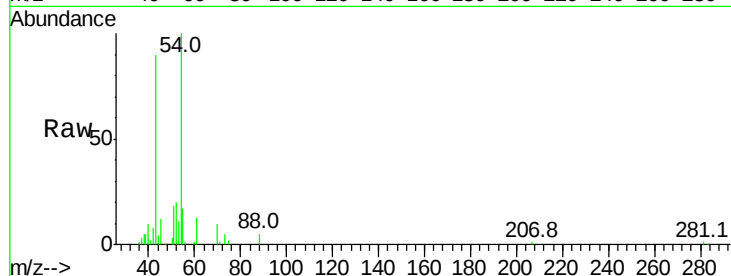




#37
Ethyl Acetate
Concen: 18.799 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

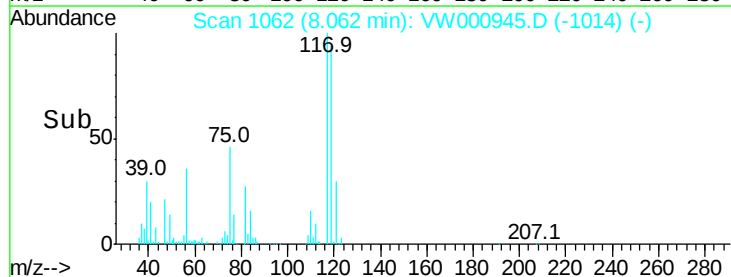
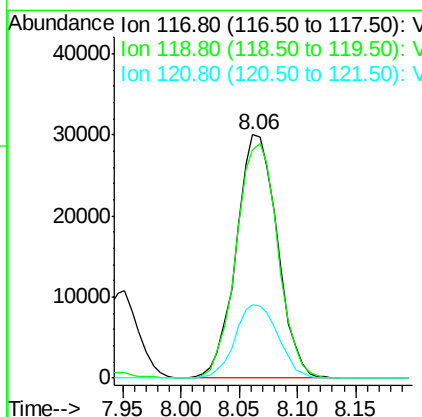
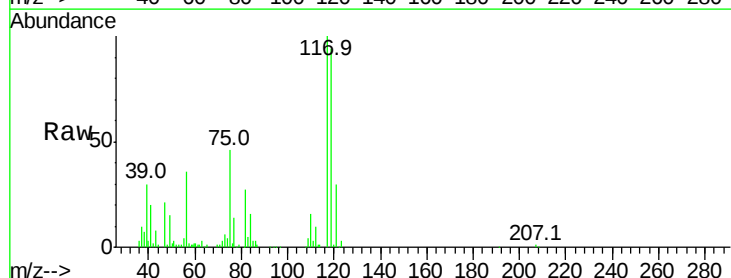
Instrument :
MSVOA_W
ClientSampled :

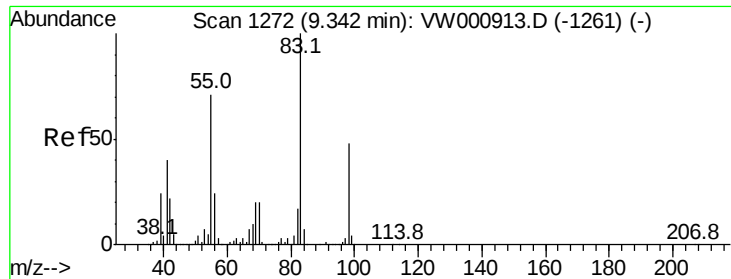
Tot Ion: 43 Resp: 35514
Ion Ratio Lower Upper
43 100
61 13.8 12.1 18.1
70 10.7 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.001 ug/l
RT: 8.06 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 117 Resp: 73845
Ion Ratio Lower Upper
117 100
119 93.7 76.5 114.7
121 30.4 24.3 36.5

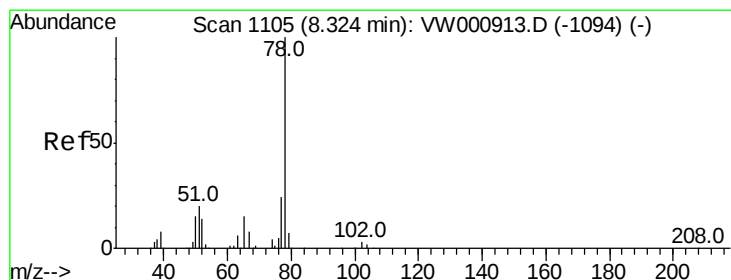
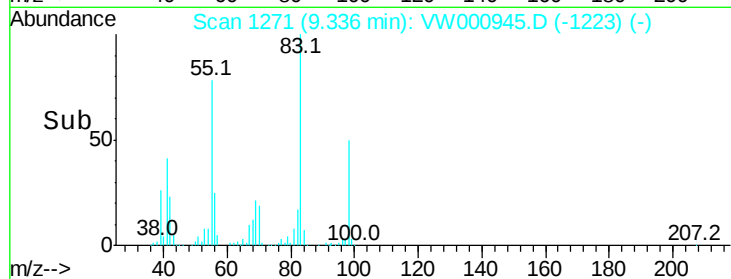
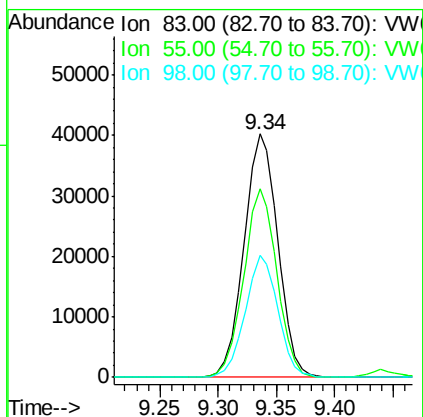
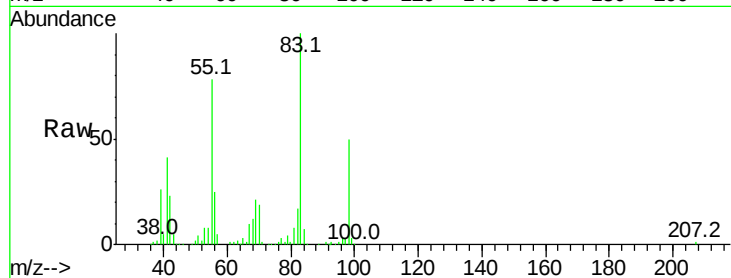




#39
Methvlcvclohexane
Concen: 20.221 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

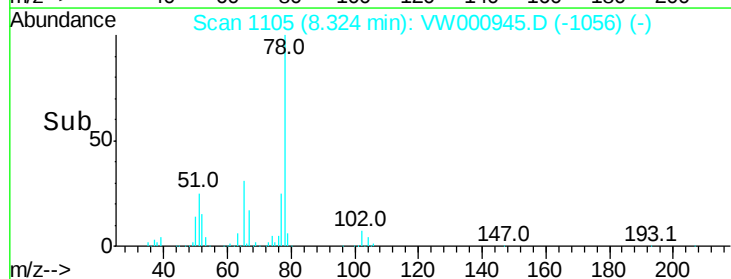
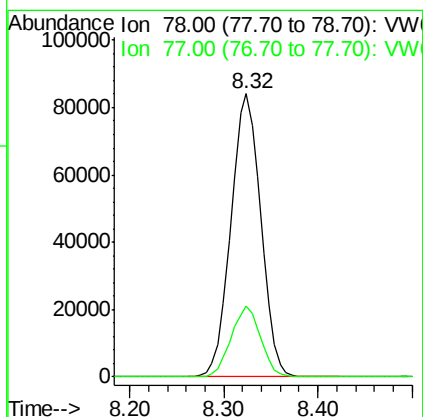
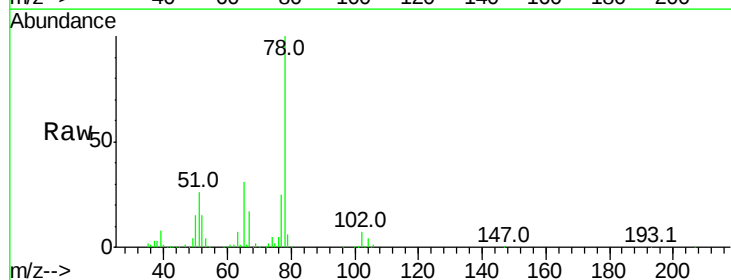
Instrument :
MSVOA_W
ClientSampled :

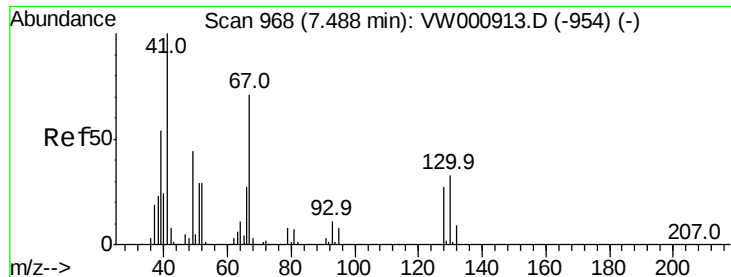
Tot Ion: 83 Resp: 81514
Ion Ratio Lower Upper
83 100
55 77.6 56.4 84.6
98 49.9 38.2 57.4



#40
Benzene
Concen: 20.365 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 78 Resp: 185324
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6

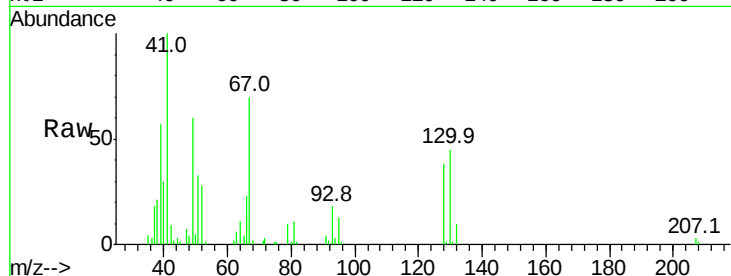




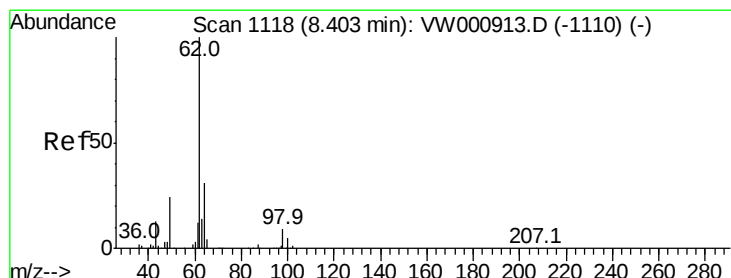
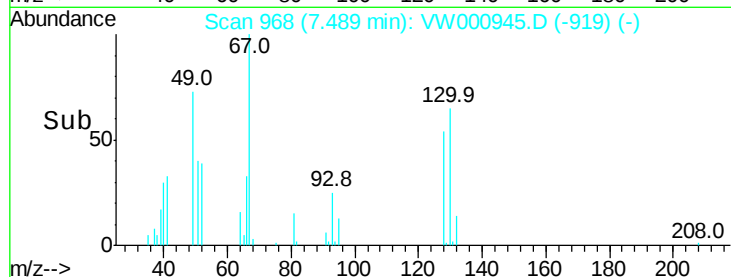
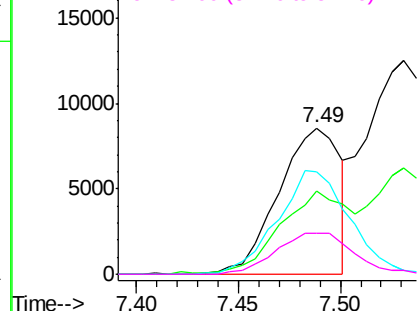
#41
Methacrylonitrile
Concen: 17.012 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 41 Resp: 18038
Ion Ratio Lower Upper
41 100
39 63.9 43.4 65.0
67 83.0 59.0 88.4
52 35.8 24.6 36.8

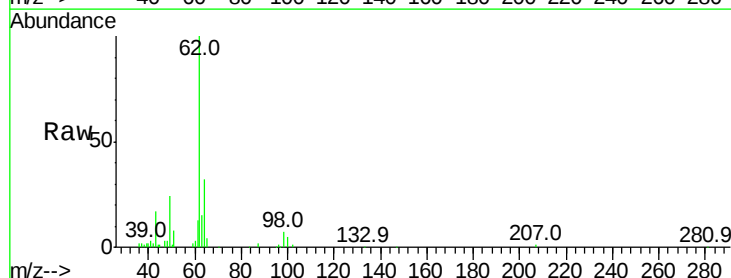


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

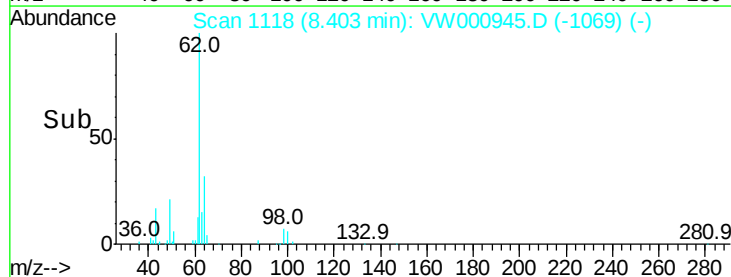
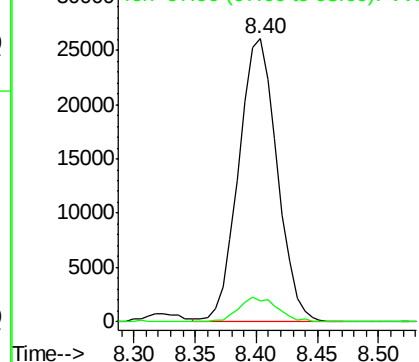


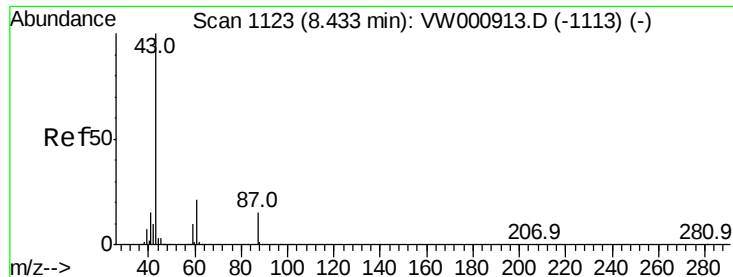
#42
1,2-Dichloroethane
Concen: 20.303 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 62 Resp: 56929
Ion Ratio Lower Upper
62 100
98 8.7 0.0 18.0



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





#43

Isopropyl Acetate

Concen: 18.560 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

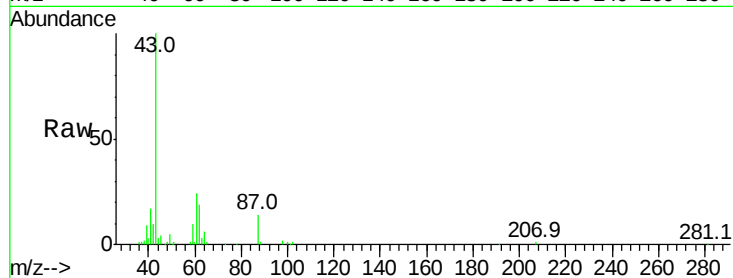
Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 59439

Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.6	35.4
87	14.3	11.7	17.5

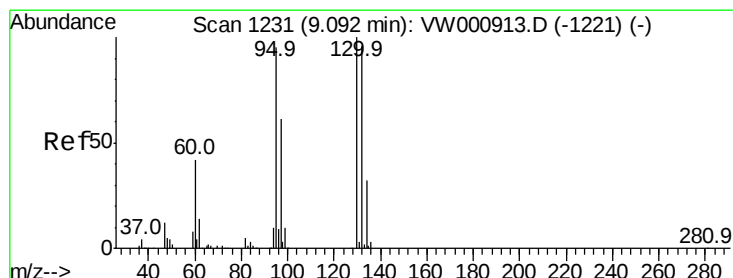
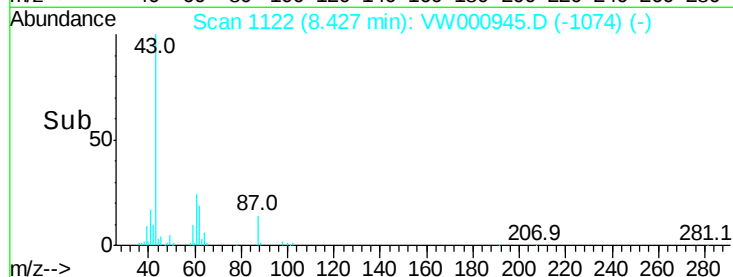
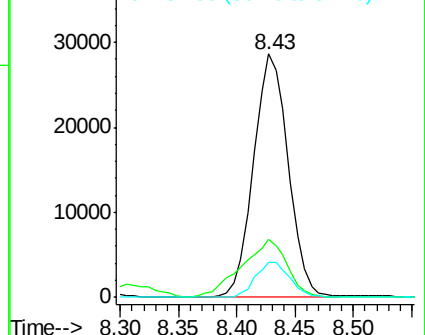


Abundance

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: 20.350 ug/l

RT: 9.09 min Scan# 1231

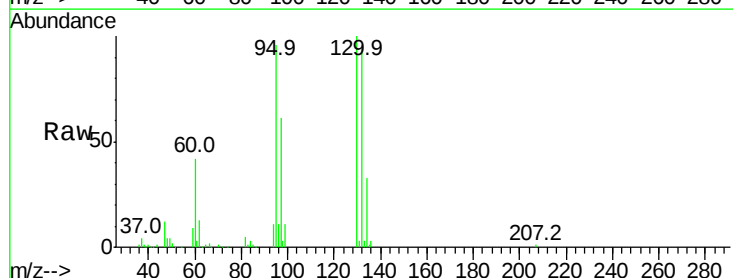
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:130 Resp: 55026

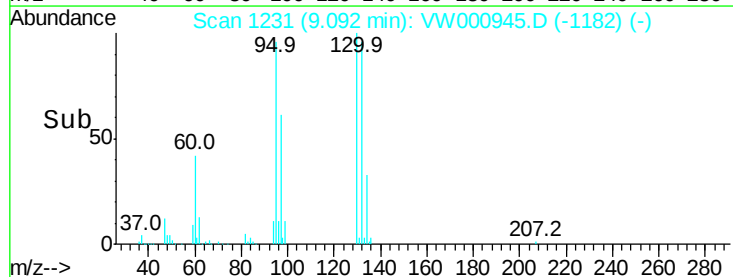
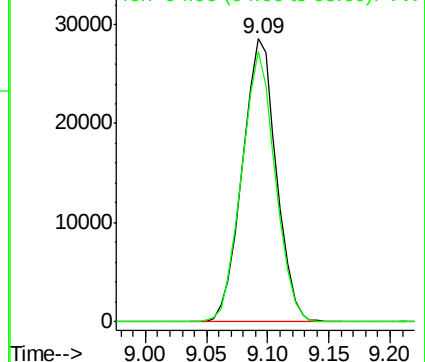
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	190.4

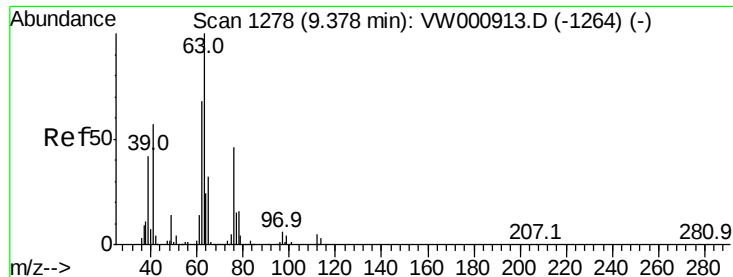


Abundance

Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.472 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

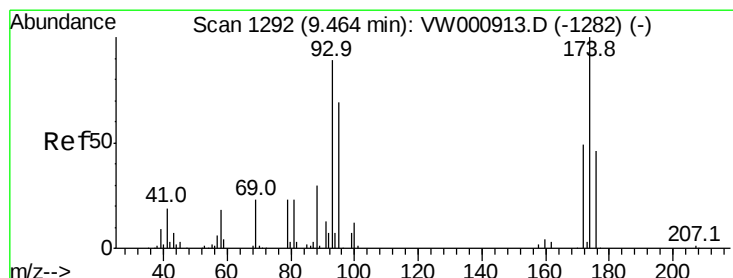
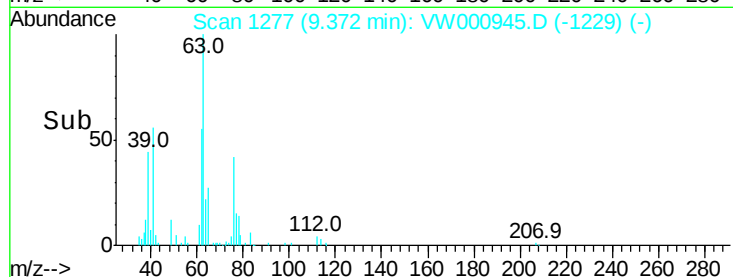
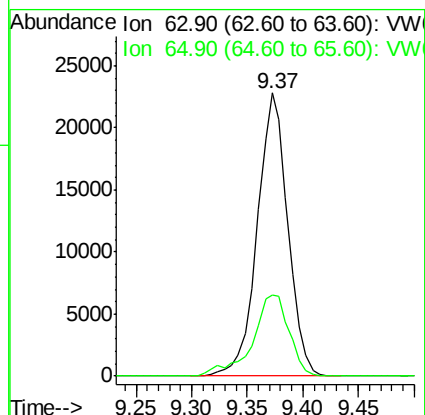
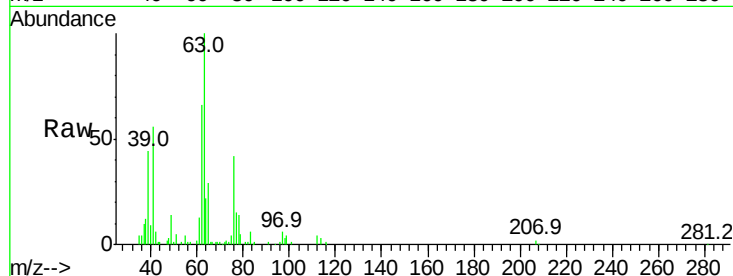
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 43463

Ion Ratio Lower Upper

63 100

65 28.5 25.2 37.8



#46

Dibromomethane

Concen: 19.600 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

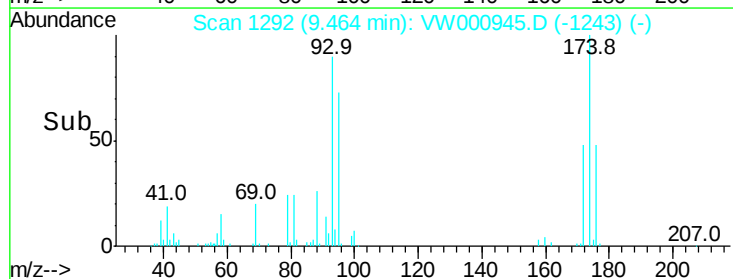
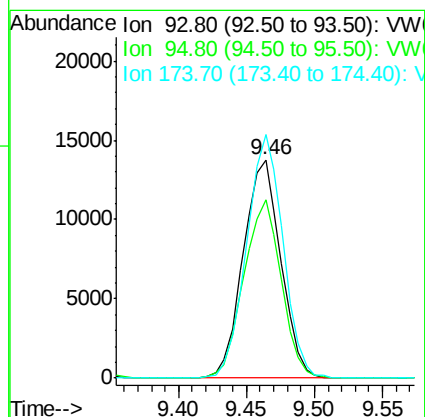
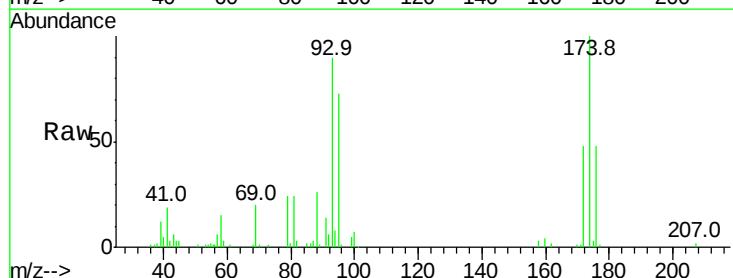
Tgt Ion: 93 Resp: 26585

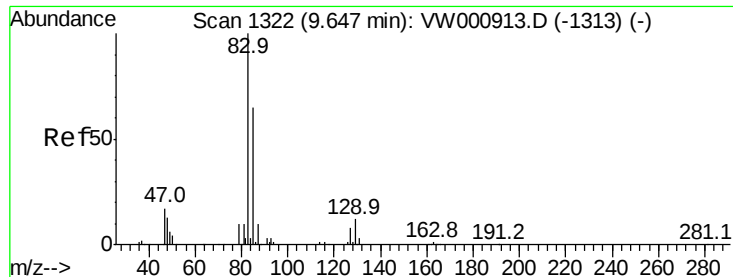
Ion Ratio Lower Upper

93 100

95 81.4 65.8 98.6

174 108.4 89.0 133.6





#47

Bromodichloromethane

Concen: 20.458 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :

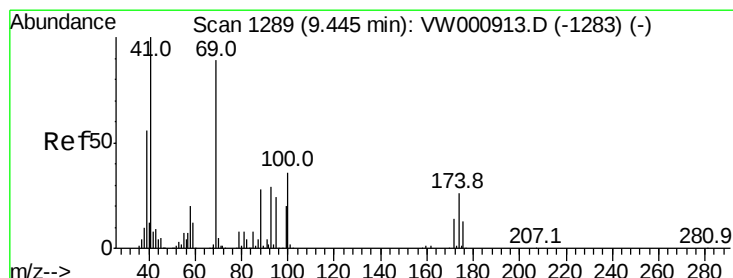
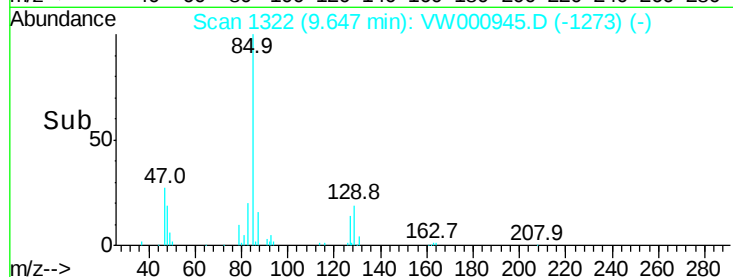
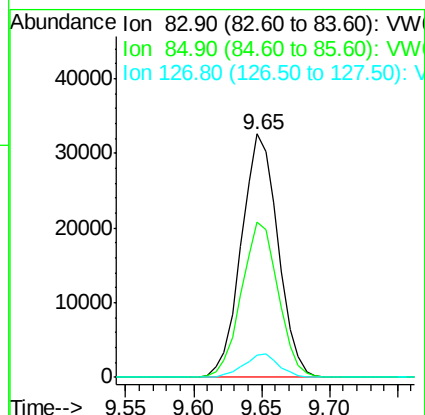
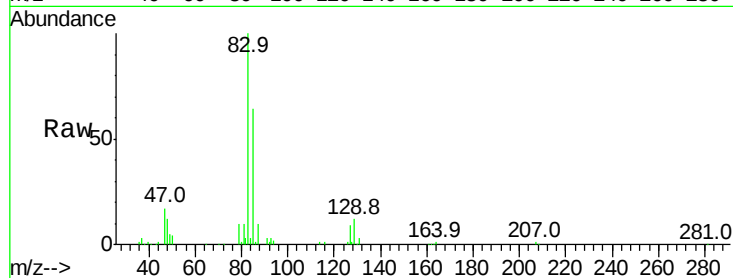
Tot Ion: 83 Resp: 61373

Ion Ratio Lower Upper

83 100

85 63.9 52.0 78.0

127 8.9 6.8 10.2



#48

Methyl methacrylate

Concen: 18.349 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

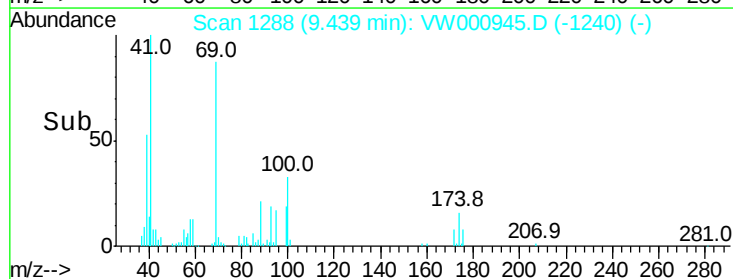
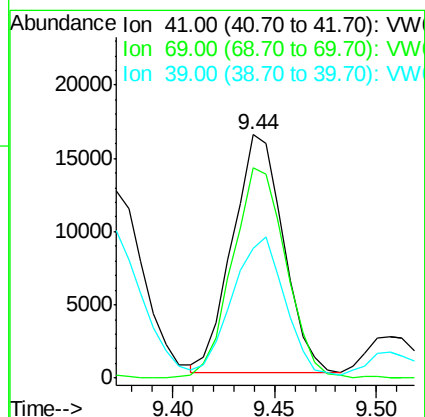
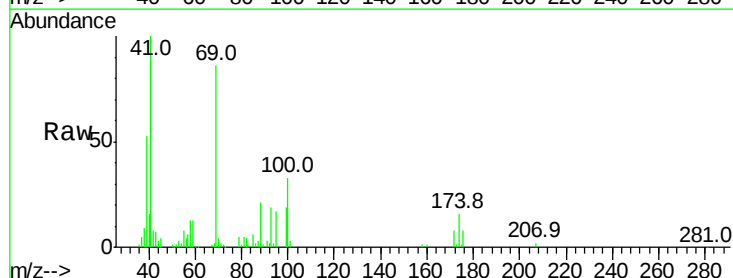
Tgt Ion: 41 Resp: 28222

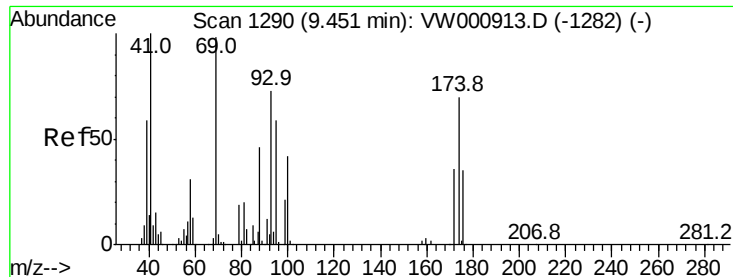
Ion Ratio Lower Upper

41 100

69 93.2 72.9 109.3

39 58.8 48.4 72.6





#49

1,4-Dioxane

Concen: 355.138 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :
MSVOA_W
ClientSampled :

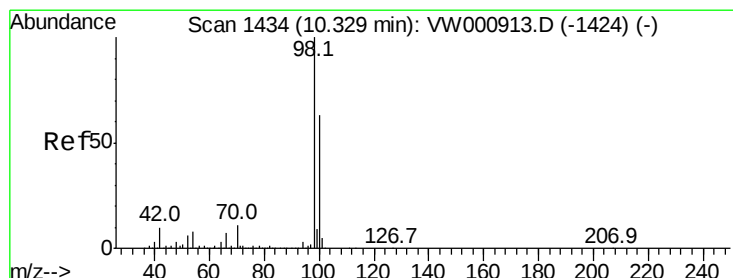
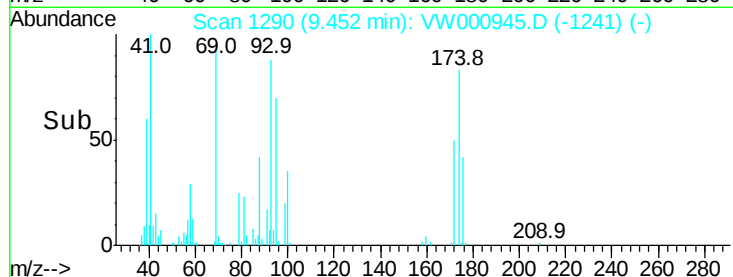
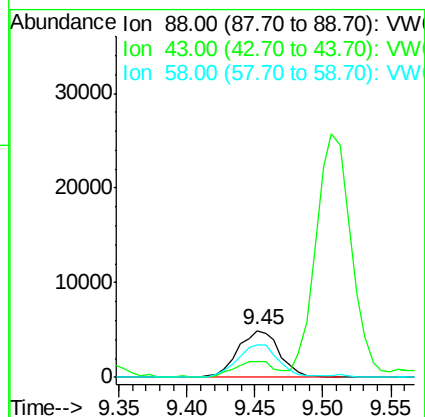
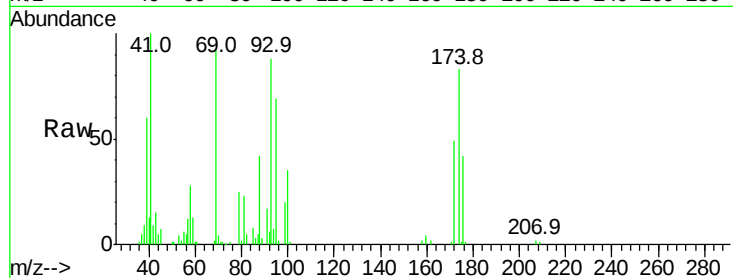
Tot Ion: 88 Resp: 10529

Ion Ratio Lower Upper

88 100

43 31.2 24.5 36.7

58 70.2 54.7 82.1



#50

Toluene-d8

Concen: 51.690 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000945.D

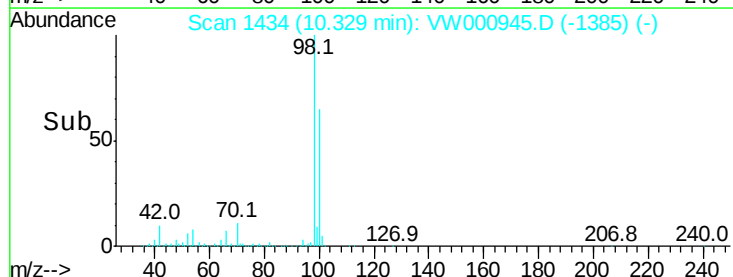
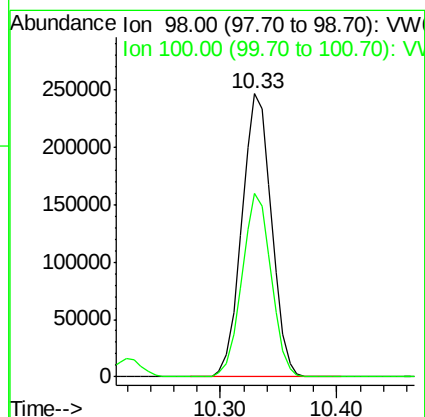
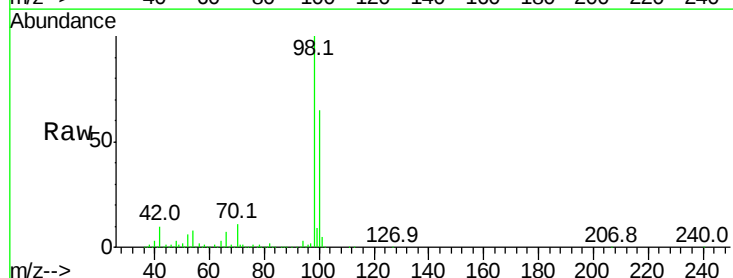
Acq: 24 Jan 2018 14:02

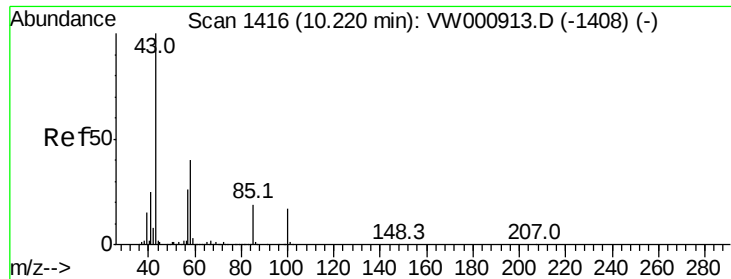
Tgt Ion: 98 Resp: 437871

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 90.623 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

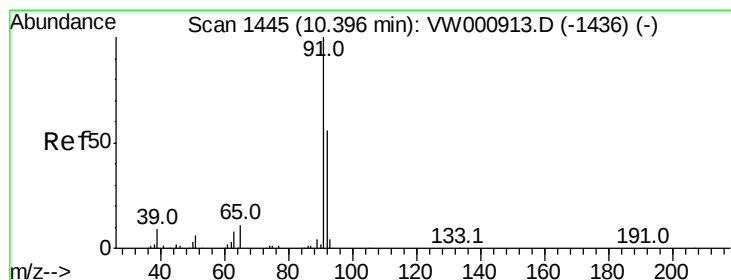
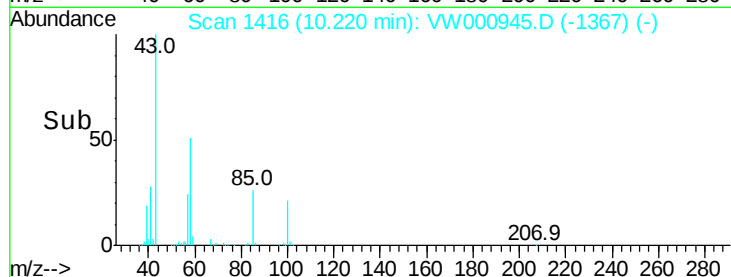
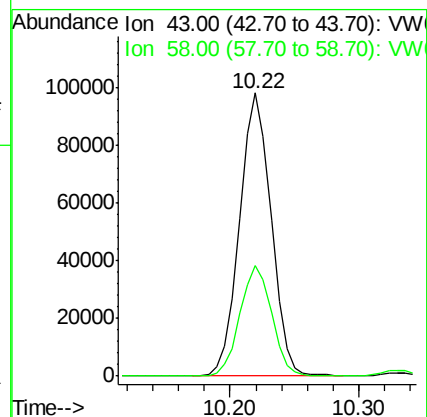
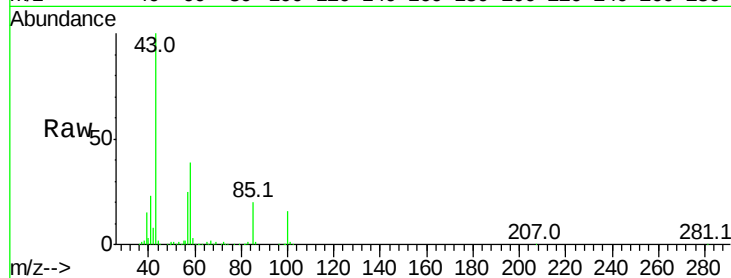
ClientSampled :

Tot Ion: 43 Resp: 166995

Ion Ratio Lower Upper

43 100

58 39.0 32.0 48.0



#52

Toluene

Concen: 20.868 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000945.D

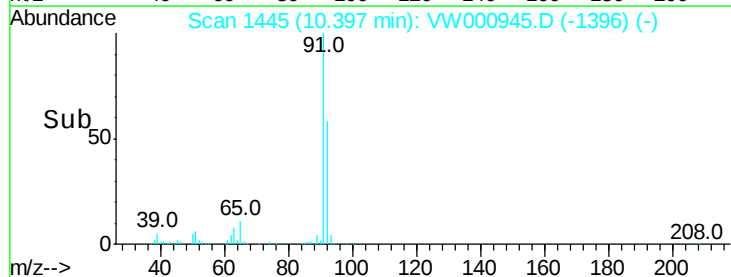
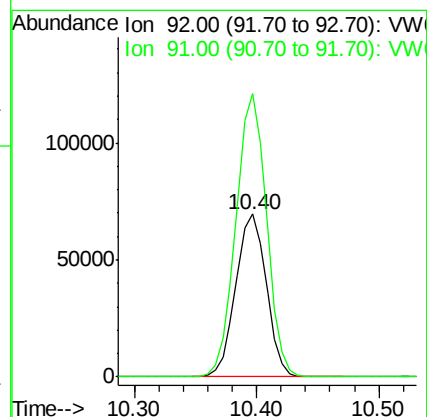
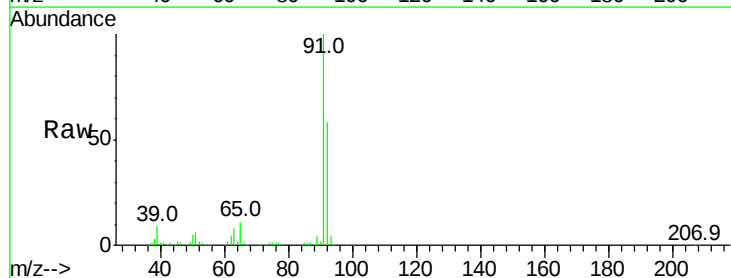
Acq: 24 Jan 2018 14:02

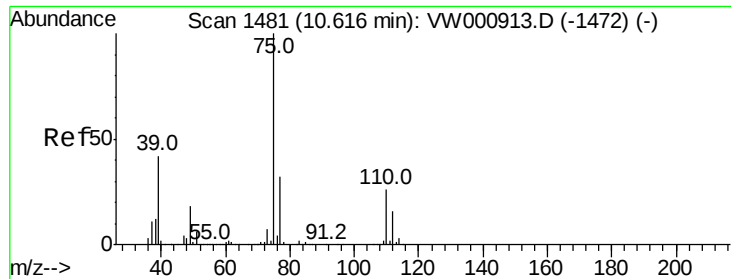
Tgt Ion: 92 Resp: 119962

Ion Ratio Lower Upper

92 100

91 174.3 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.515 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

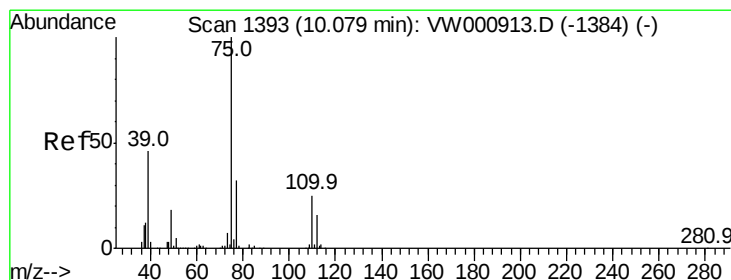
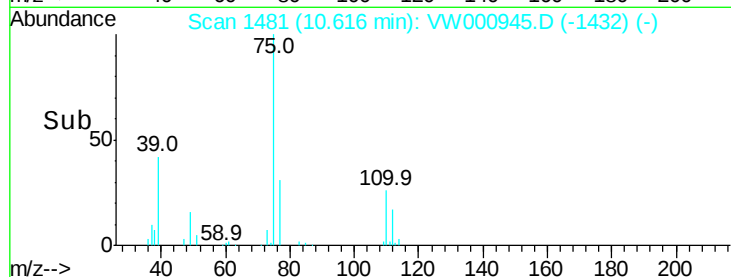
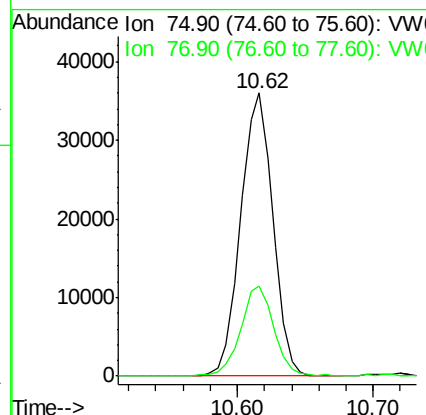
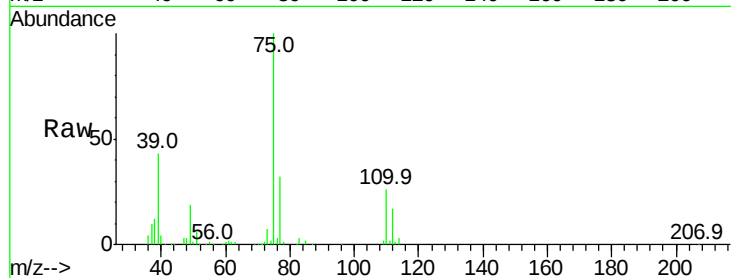
ClientSampled :

Tot Ion: 75 Resp: 59311

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.572 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

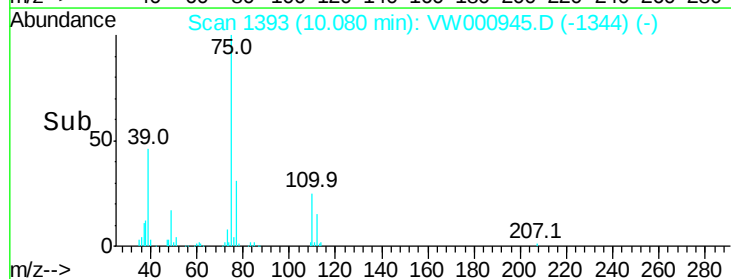
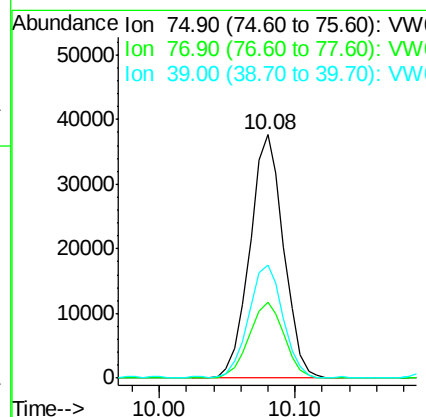
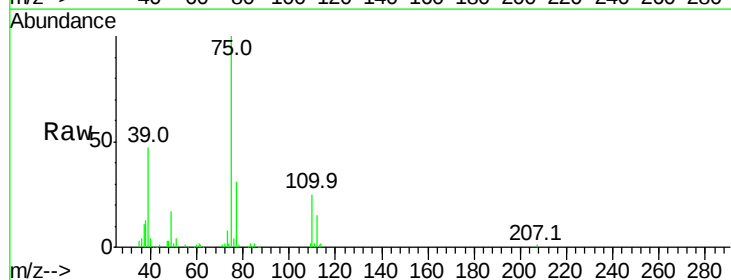
Tgt Ion: 75 Resp: 65438

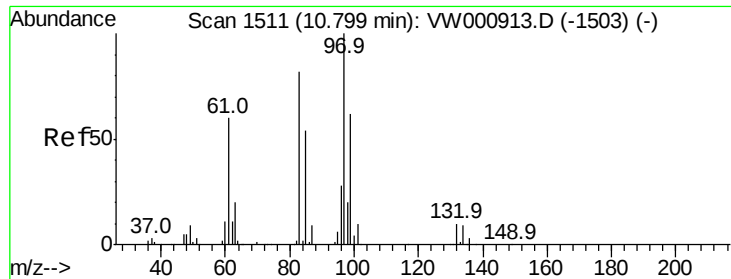
Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

39 46.1 37.0 55.6





#55

1,1,2-Trichloroethane

Concen: 20.029 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 37936

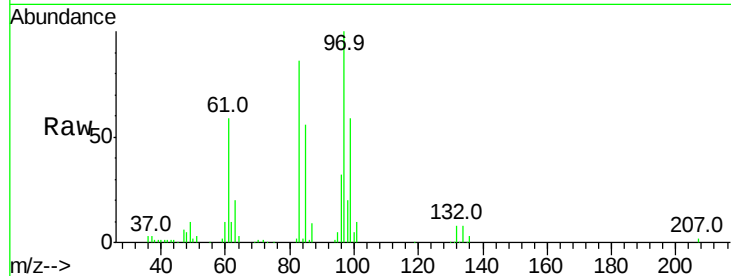
Ion	Ratio	Lower	Upper
97	100		
83	86.0	65.2	97.8
85	55.6	43.1	64.7
99	58.5	49.3	73.9

97 100

83 86.0 65.2 97.8

85 55.6 43.1 64.7

99 58.5 49.3 73.9

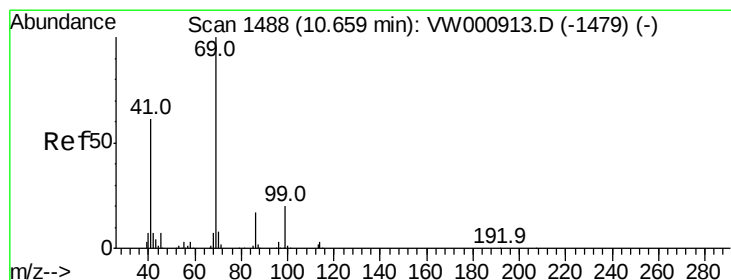
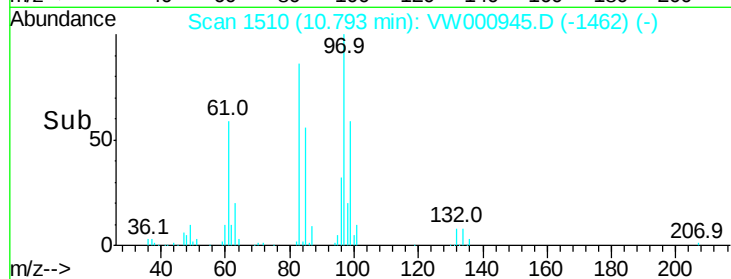
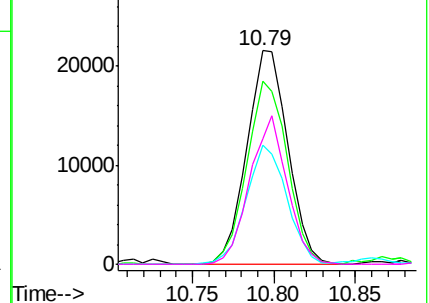


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.944 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

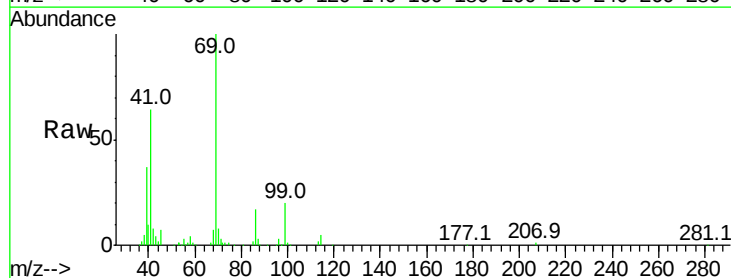
Tgt Ion: 69 Resp: 42664

Ion	Ratio	Lower	Upper
69	100		
41	64.6	50.3	75.5
39	32.7	28.6	42.8

69 100

41 64.6 50.3 75.5

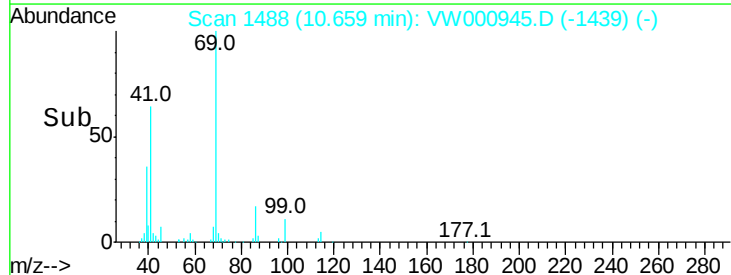
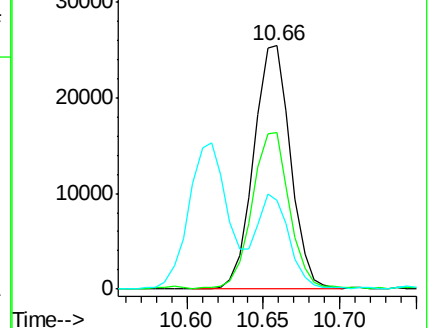
39 32.7 28.6 42.8

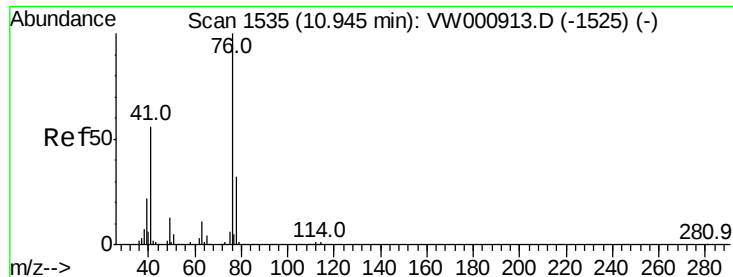


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.222 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

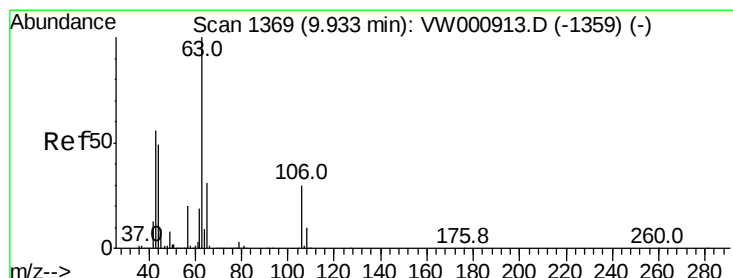
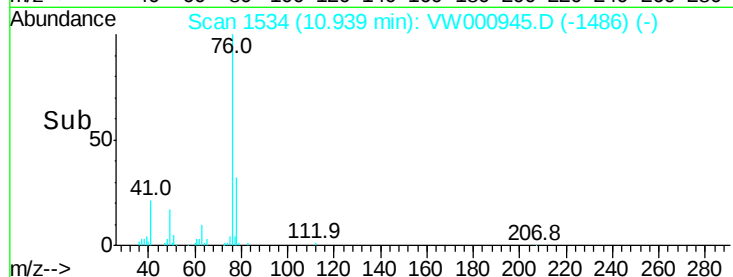
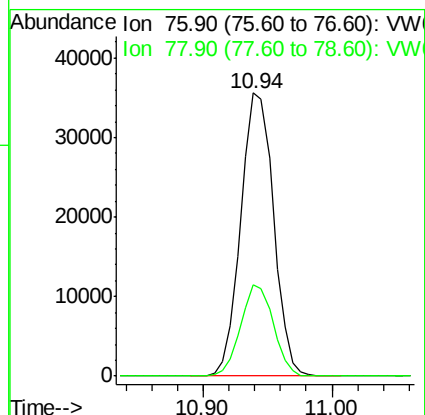
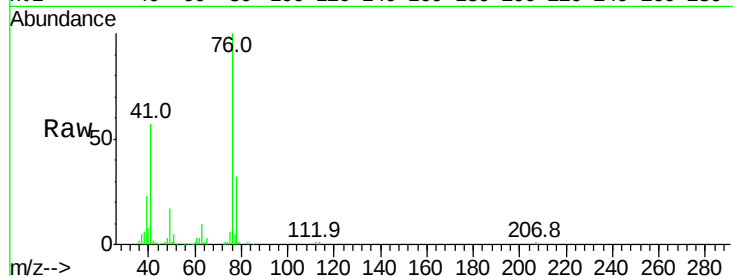
ClientSampleId :

Tot Ion: 76 Resp: 62550

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 82.891 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VW000945.D

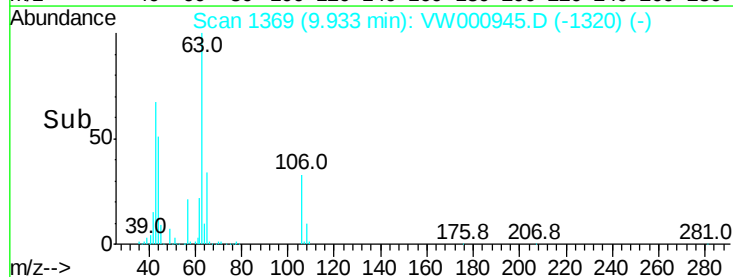
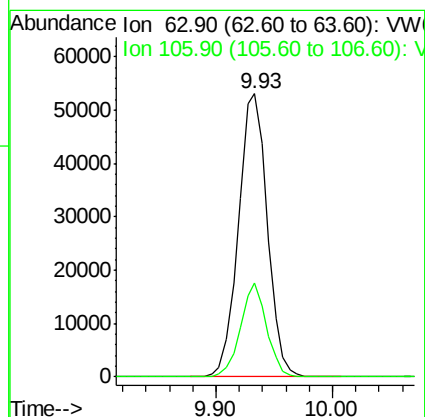
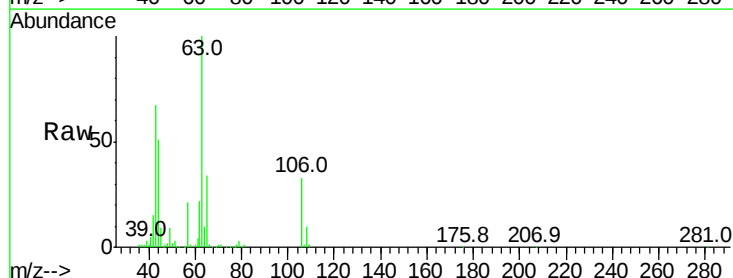
Acq: 24 Jan 2018 14:02

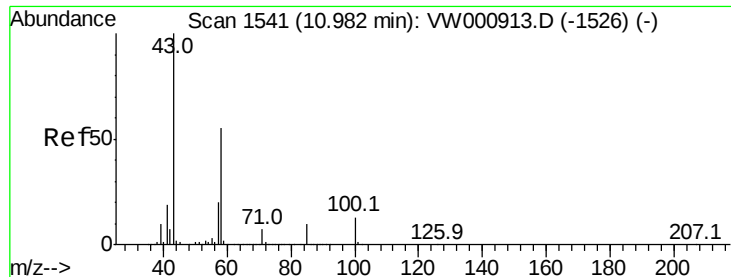
Tgt Ion: 63 Resp: 91816

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8

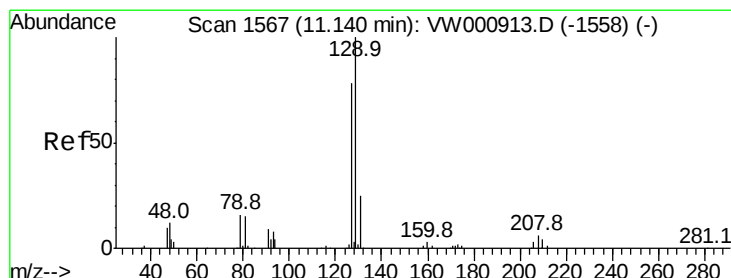
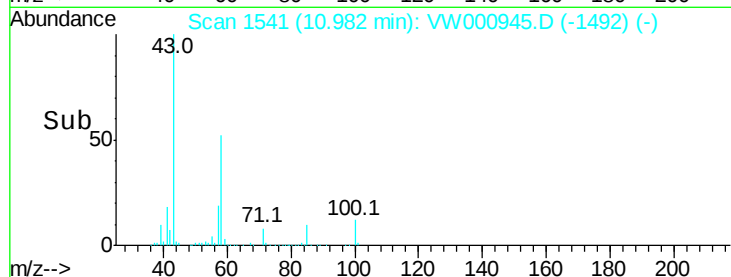
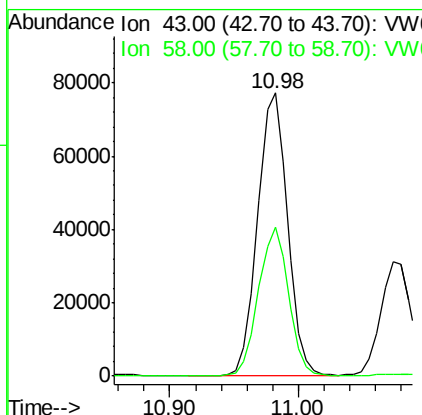
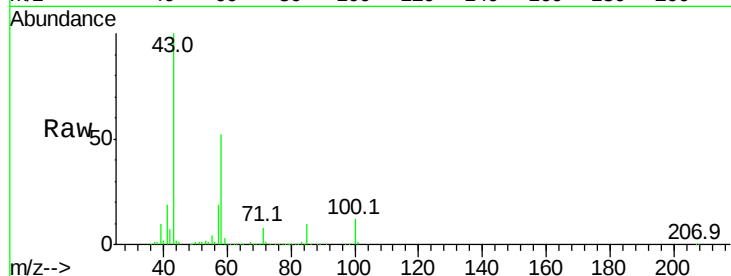




#59
2-Hexanone
Concen: 86.652 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

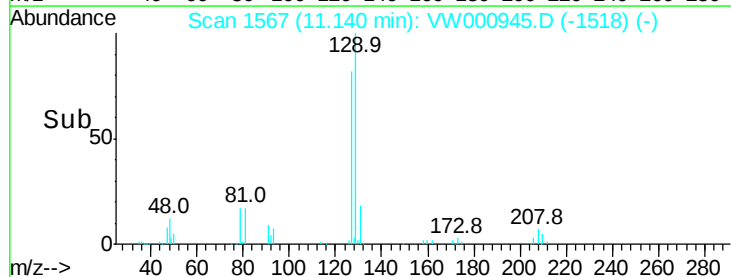
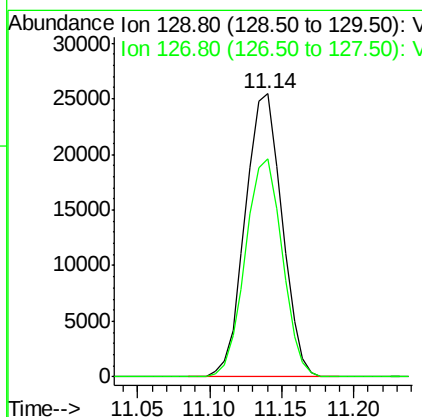
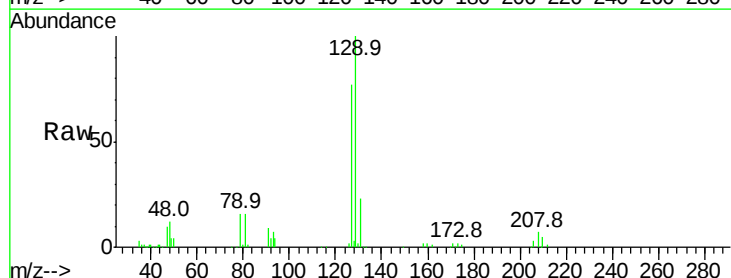
Instrument :
MSVOA_W
ClientSampled :

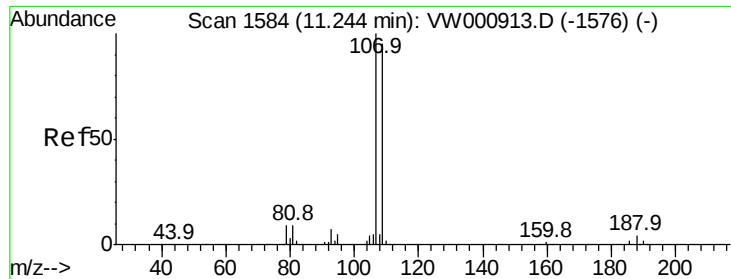
Tot Ion: 43 Resp: 123875
Ion Ratio Lower Upper
43 100
58 53.0 27.4 82.2



#60
Dibromochloromethane
Concen: 19.750 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 129 Resp: 45181
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2

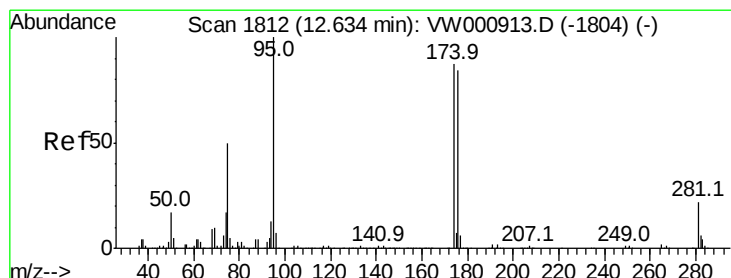
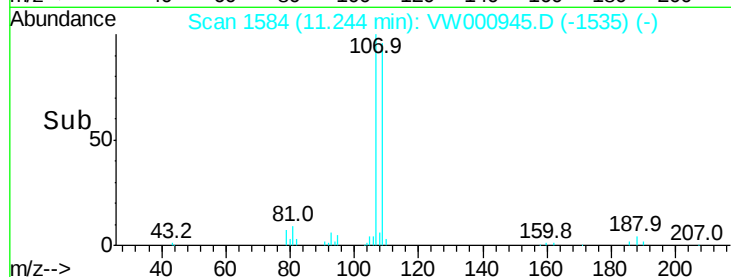
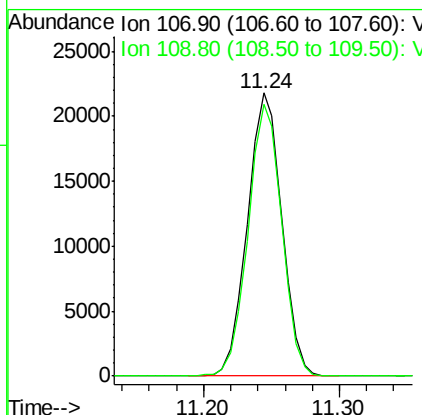
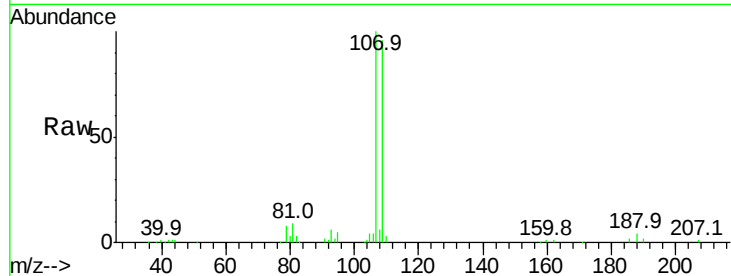




#61
 1,2-Dibromoethane
 Concen: 19.600 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

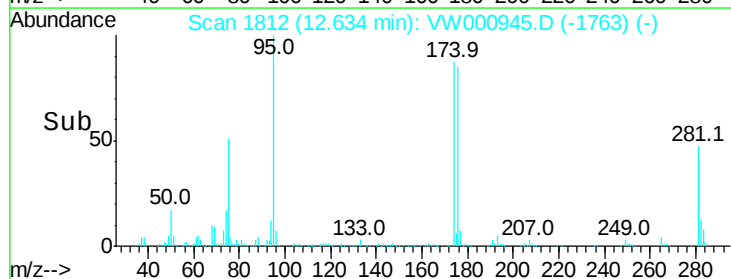
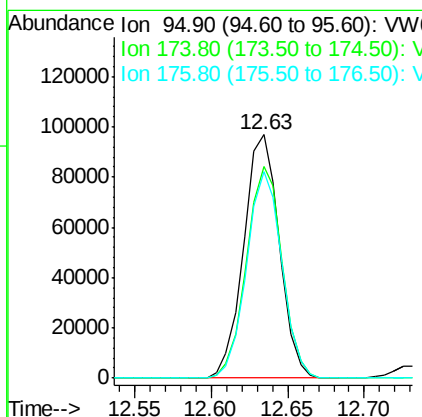
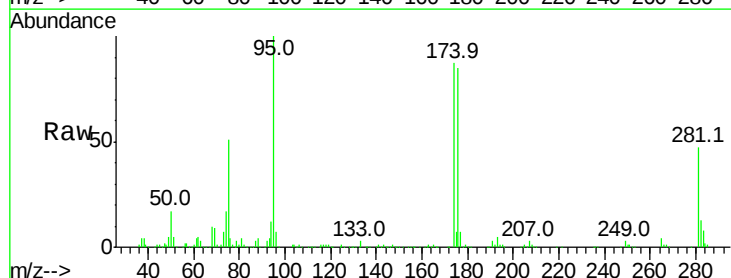
Instrument :
 MSVOA_W
 ClientSampleId :

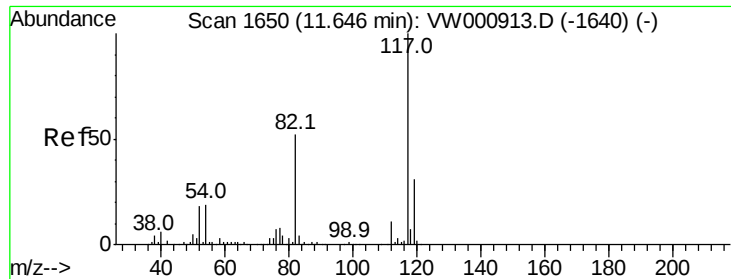
Tot Ion:107 Resp: 38678
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 50.815 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion: 95 Resp: 156766
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 176.8
 176 84.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

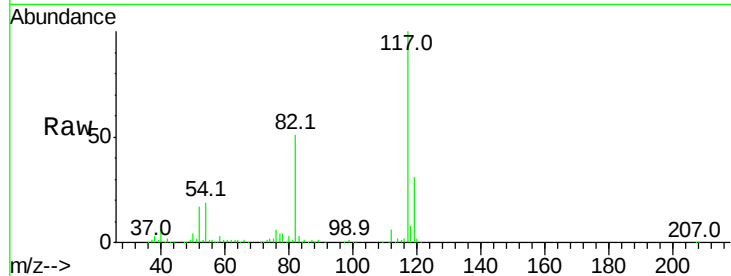
Tot Ion:117 Resp: 317402

Ion Ratio Lower Upper

117 100

82 51.2 41.8 62.6

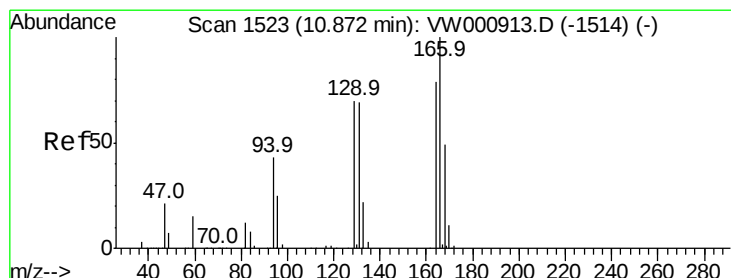
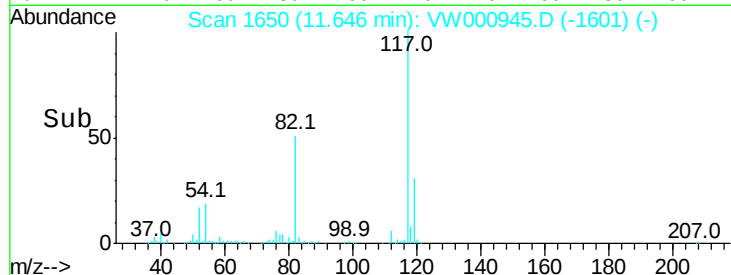
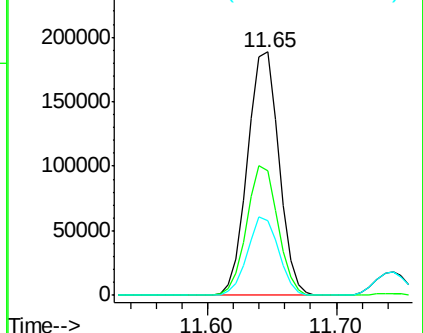
119 30.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.217 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:164 Resp: 53259

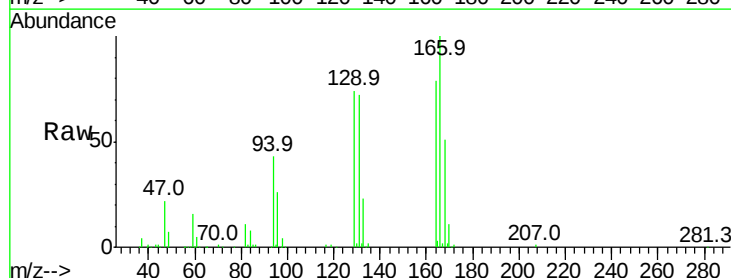
Ion Ratio Lower Upper

164 100

166 125.9 100.9 151.3

129 93.4 70.5 105.7

131 91.1 69.4 104.2

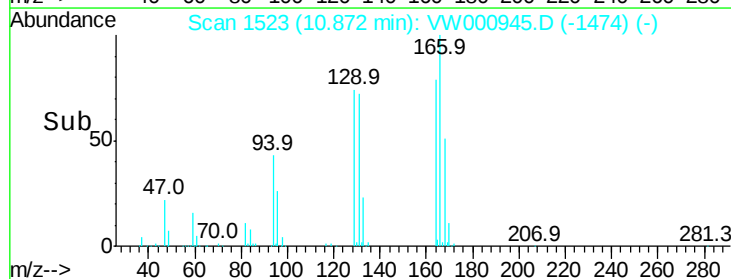
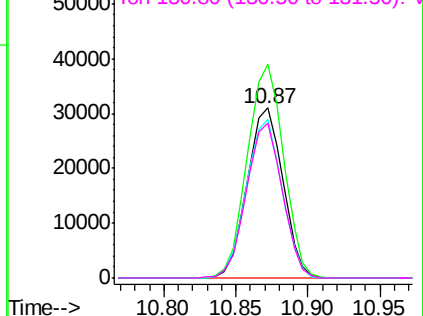


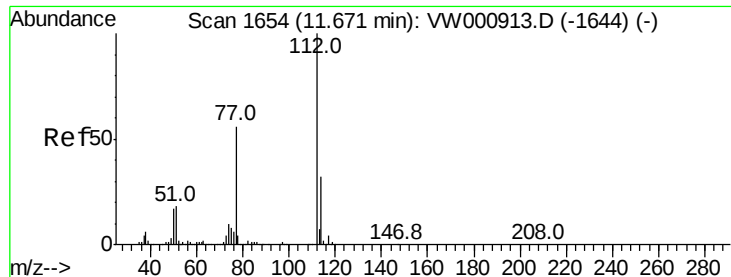
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

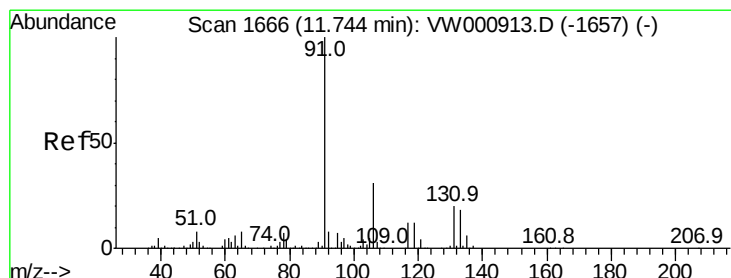
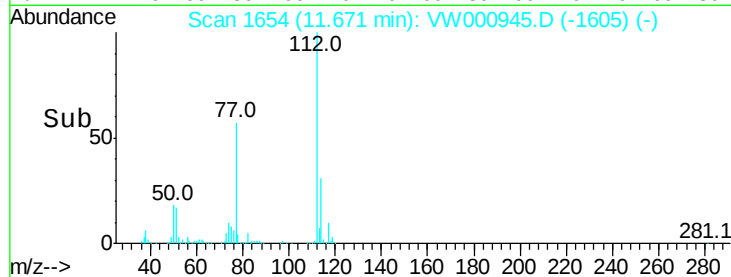
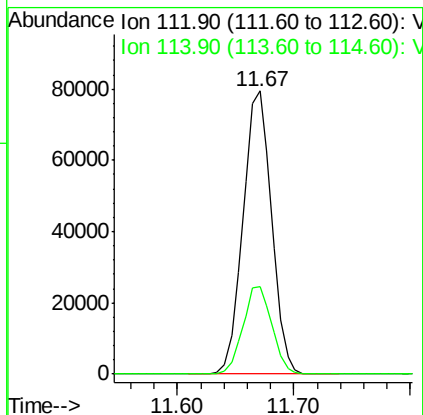
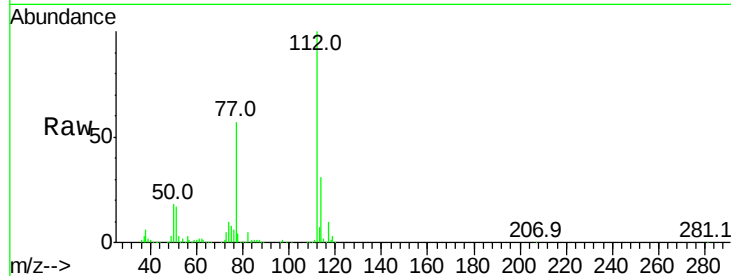




#65
Chlorobenzene
Concen: 20.880 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

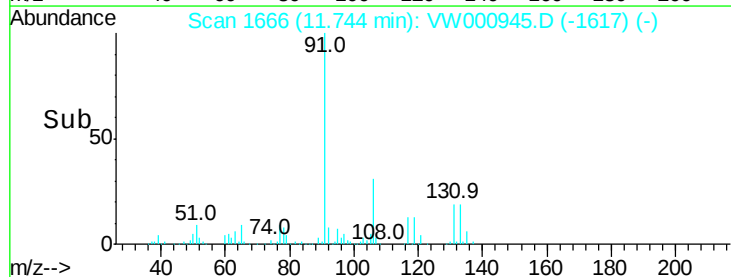
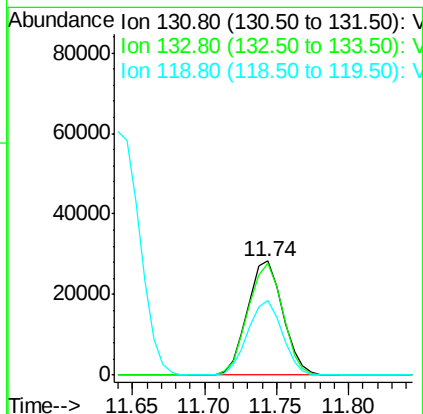
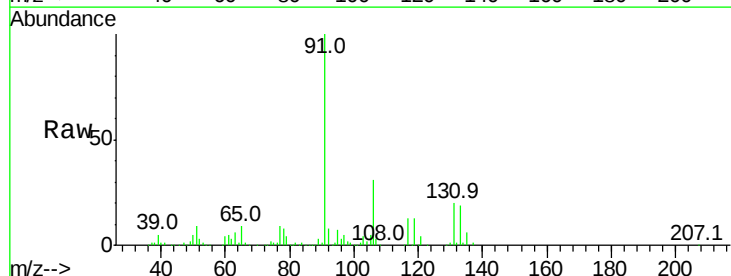
Instrument :
MSVOA_W
ClientSampleId :

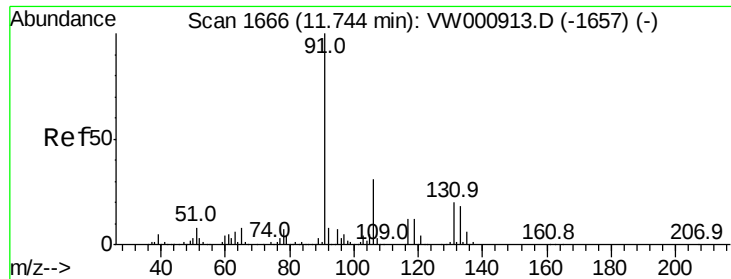
Tot Ion:112 Resp: 135972
Ion Ratio Lower Upper
112 100
114 30.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.727 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion:131 Resp: 48467
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 64.0 31.6 94.7

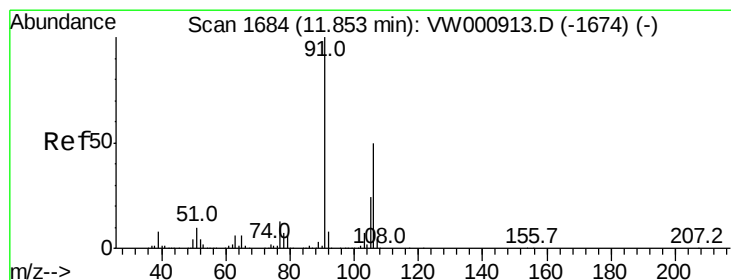
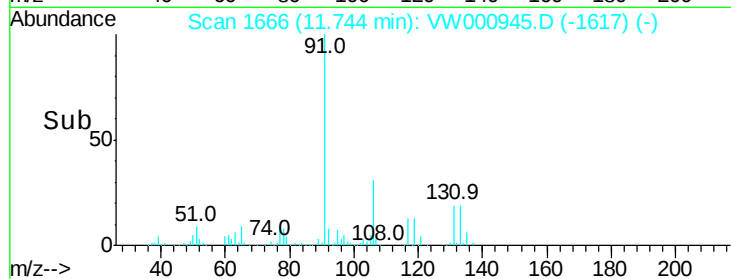
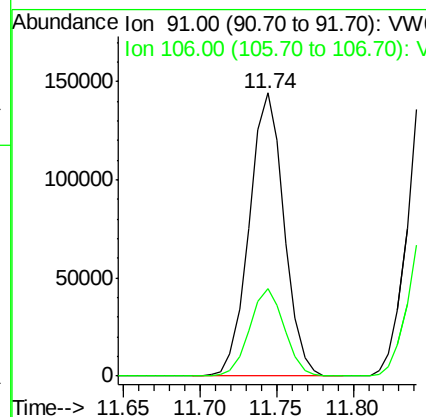
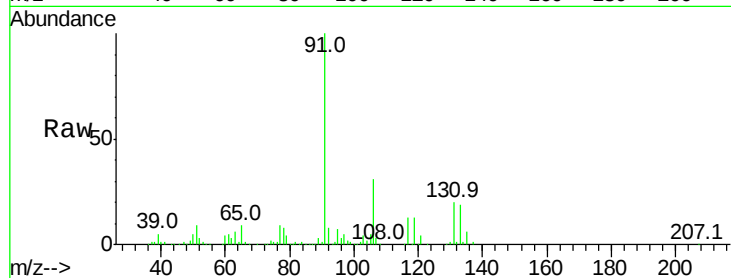




#67
Ethyl Benzene
Concen: 20.727 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

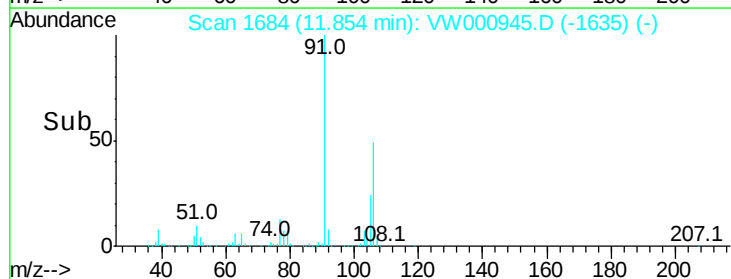
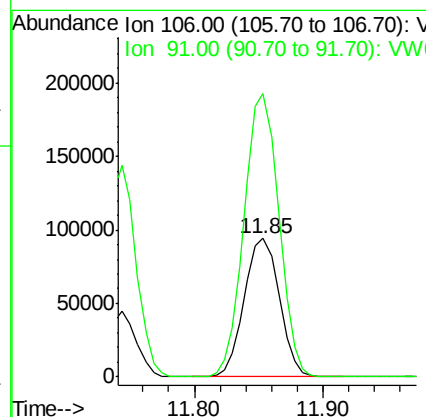
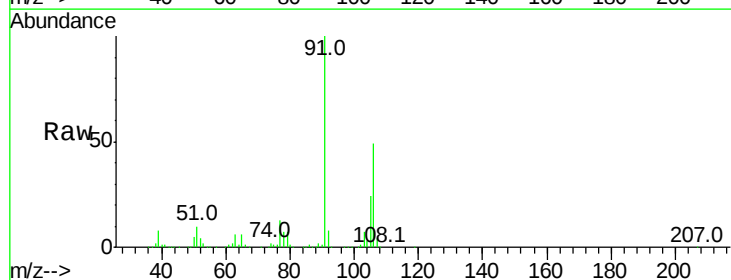
Instrument :
MSVOA_W
ClientSampleId :

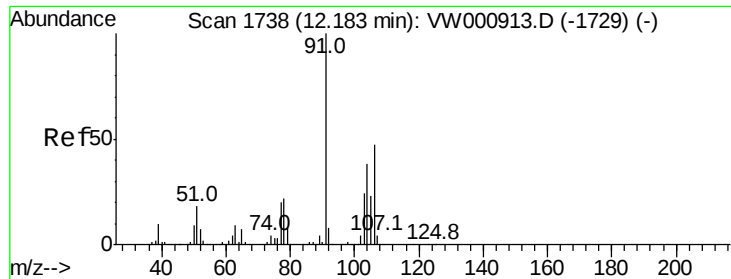
Tot Ion: 91 Resp: 227997
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7



#68
m/p-Xylenes
Concen: 41.831 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 106 Resp: 178853
Ion Ratio Lower Upper
106 100
91 202.2 161.9 242.9

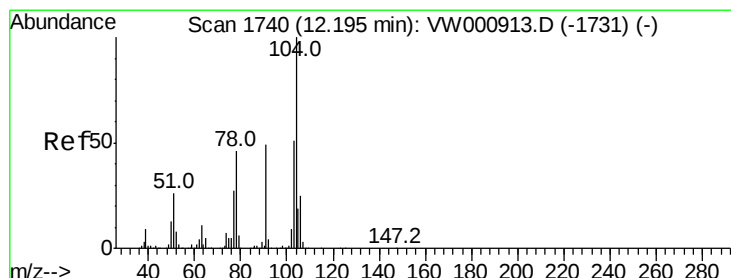
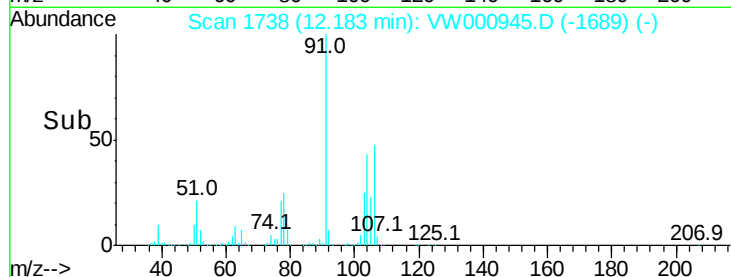
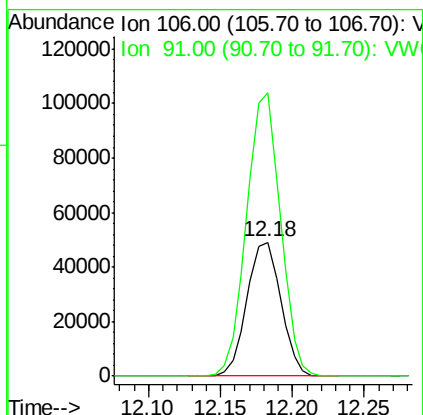
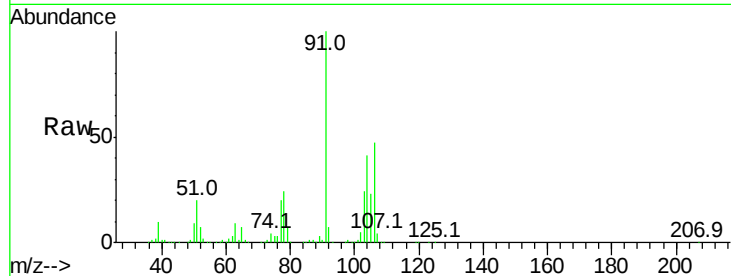




#69
o-Xylene
Concen: 20.575 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

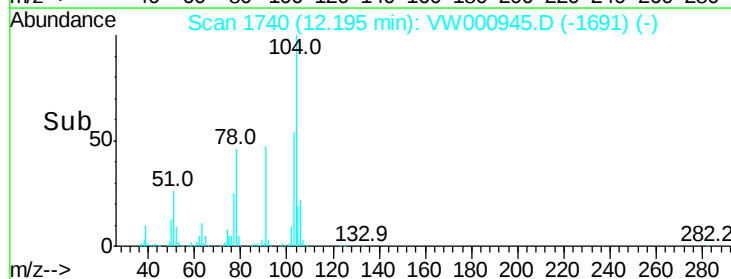
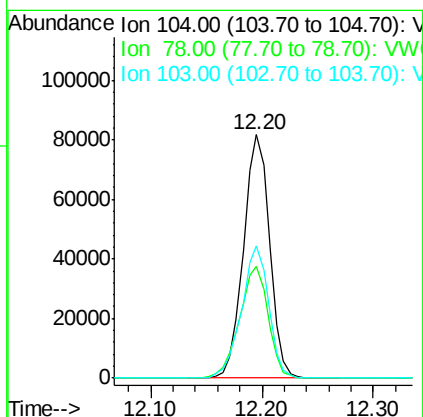
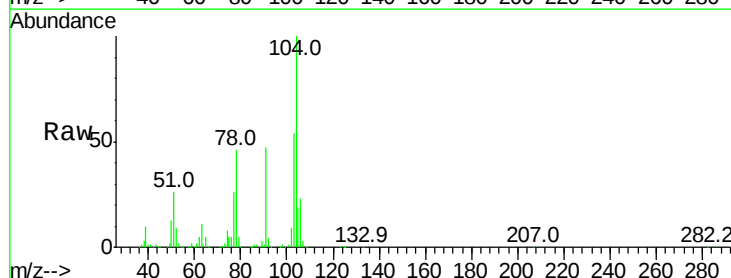
Instrument :
MSVOA_W
ClientSampled :

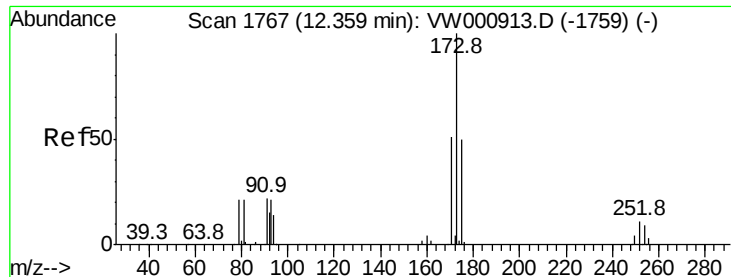
Tot Ion:106 Resp: 80674
Ion Ratio Lower Upper
106 100
91 210.0 106.3 318.8



#70
Styrene
Concen: 20.856 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion:104 Resp: 133301
Ion Ratio Lower Upper
104 100
78 50.5 40.1 60.1
103 56.5 44.6 66.8





#71

Bromoform

Concen: 19.002 ug/l

RT: 12.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

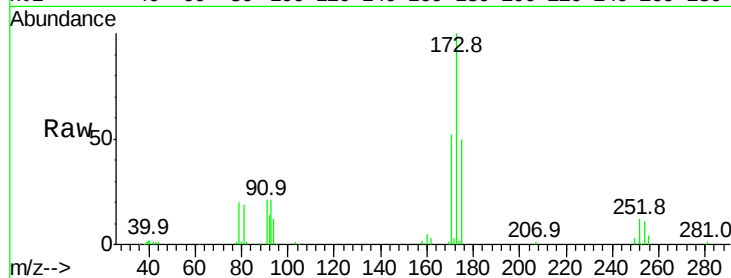
Tot Ion:173 Resp: 30146

Ion Ratio Lower Upper

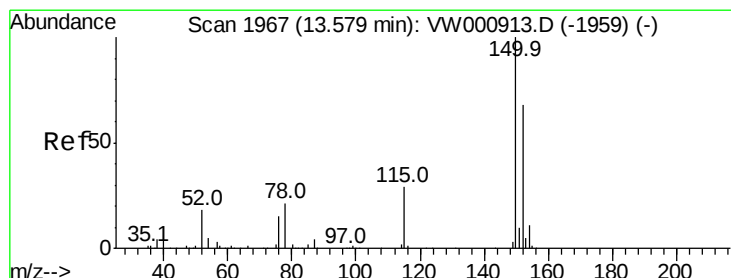
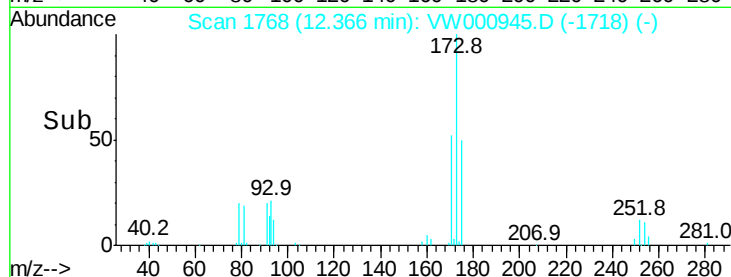
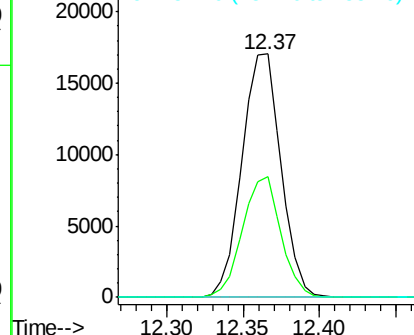
173 100

175 48.8 24.7 74.1

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

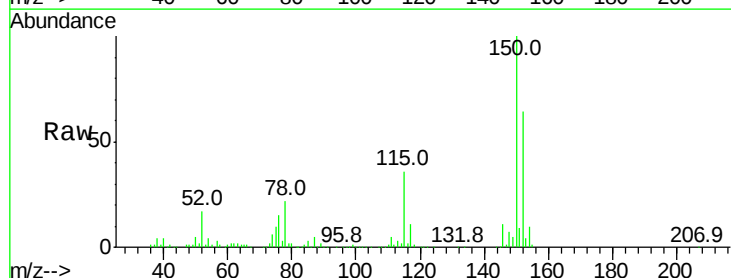
Tgt Ion:152 Resp: 174152

Ion Ratio Lower Upper

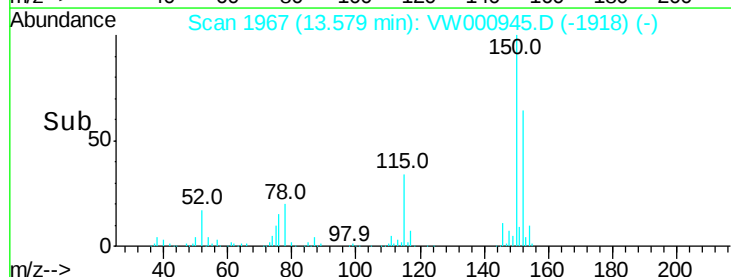
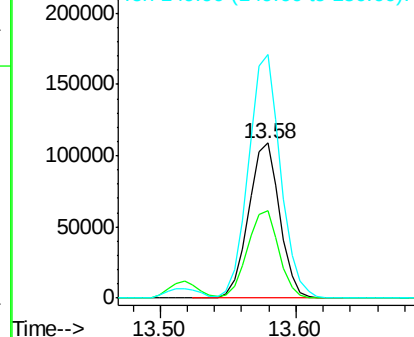
152 100

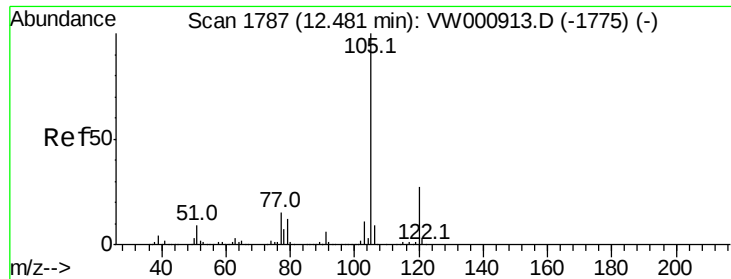
115 56.9 28.5 85.5

150 162.2 0.0 342.0



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





#73

Isopropylbenzene

Concen: 20.601 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

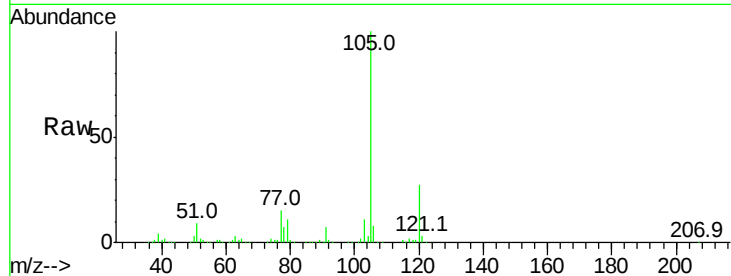
ClientSampleId :

Tot Ion:105 Resp: 231822

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

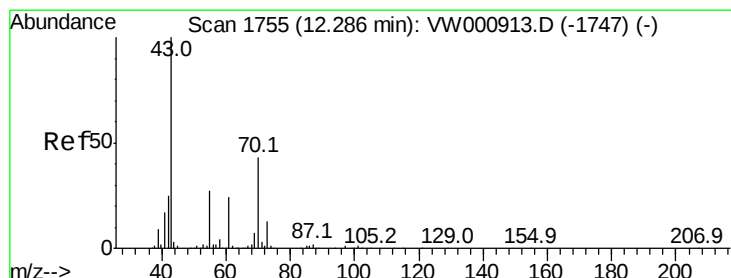
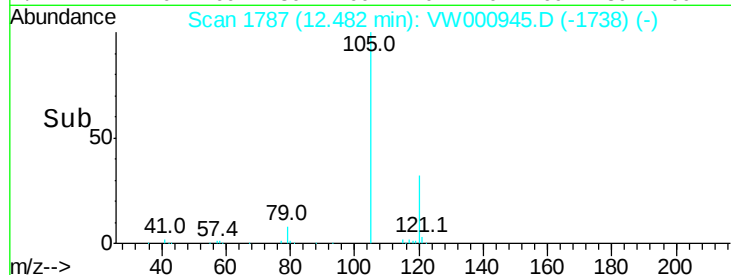
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.666 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion: 43 Resp: 51004

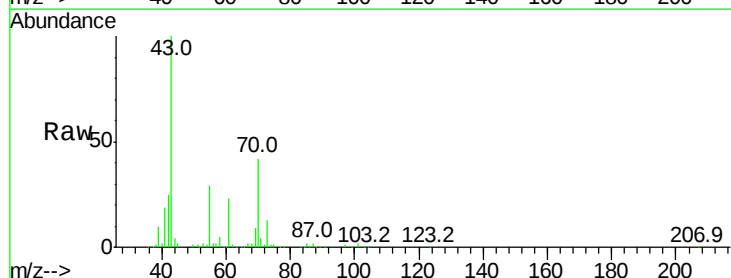
Ion Ratio Lower Upper

43 100

70 43.5 35.8 53.8

55 29.0 21.4 32.2

61 23.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.29

50000

40000

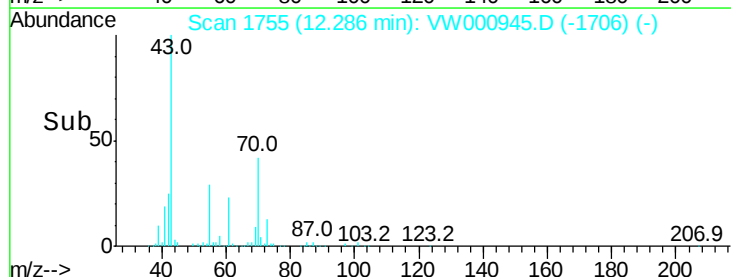
30000

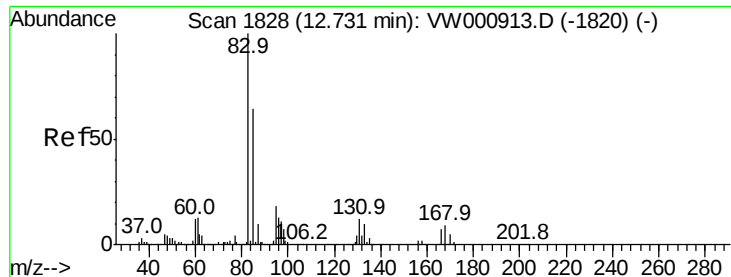
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.717 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

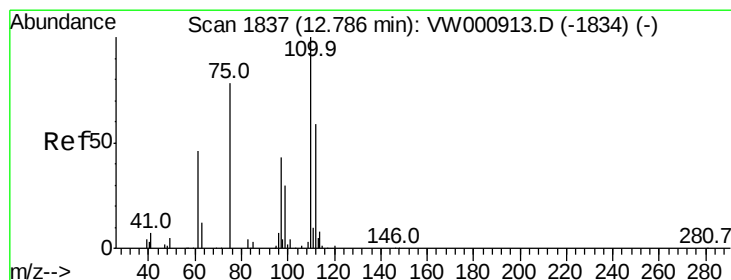
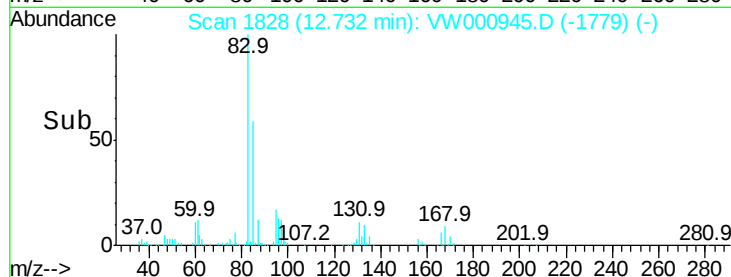
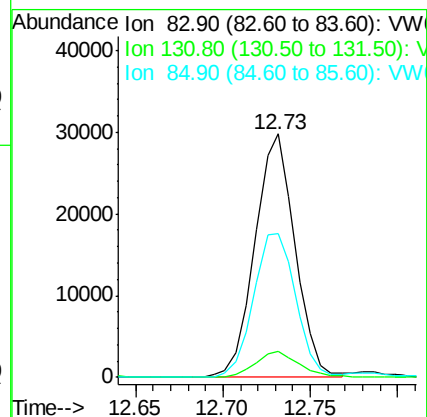
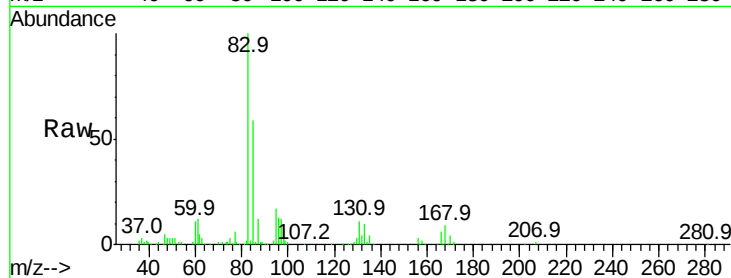
Tot Ion: 83 Resp: 47423

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

85 62.3 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 31.351 ug/l

RT: 12.79 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VW000945.D

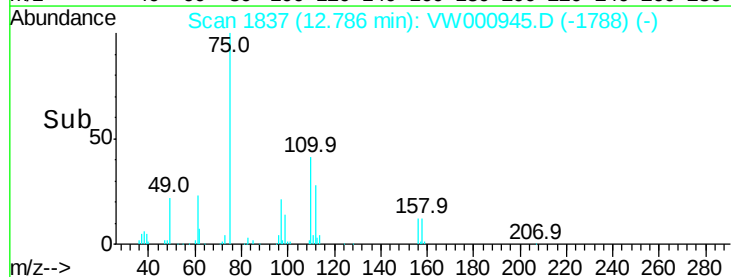
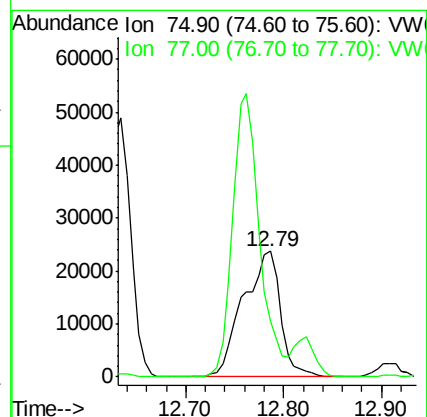
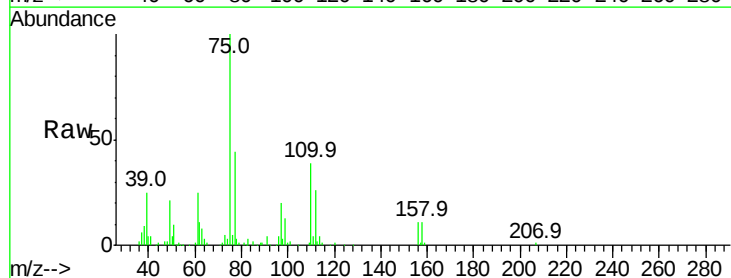
Acq: 24 Jan 2018 14:02

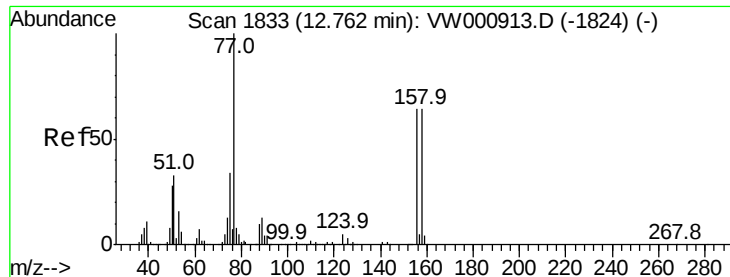
Tgt Ion: 75 Resp: 63179

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.046 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

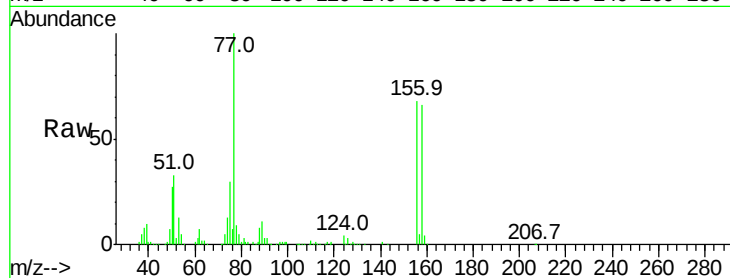
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:156 Resp: 57390

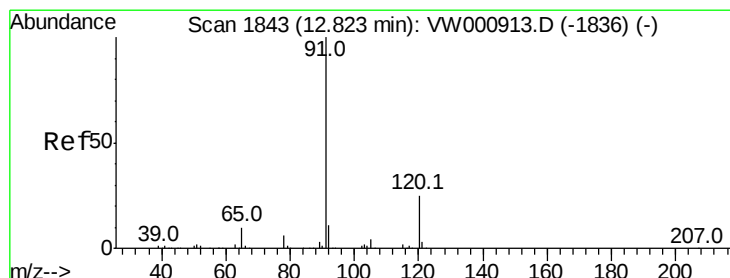
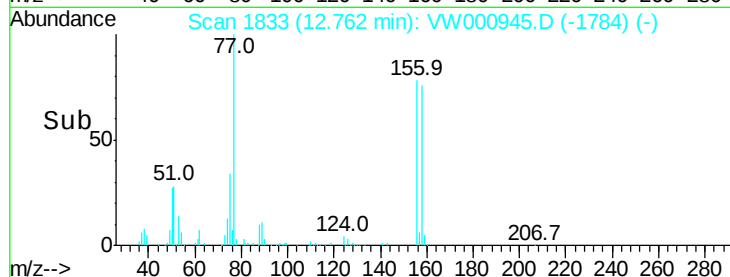
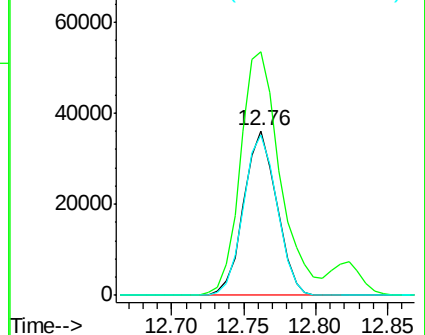
Ion	Ratio	Lower	Upper
156	100		
77	179.0	89.0	267.1
158	99.0	48.9	146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.663 ug/l

RT: 12.82 min Scan# 1843

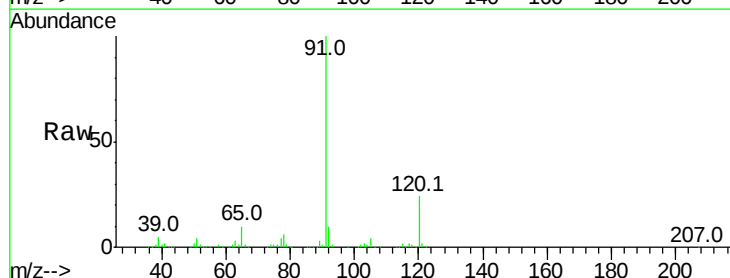
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

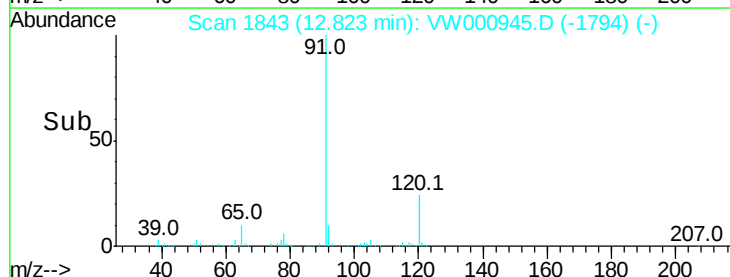
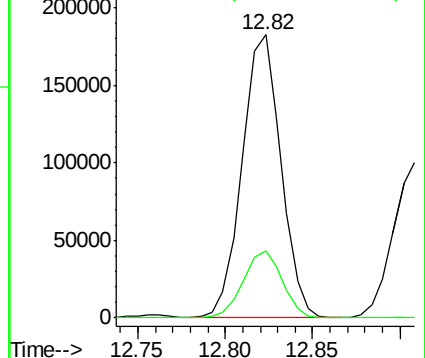
Tgt Ion: 91 Resp: 280521

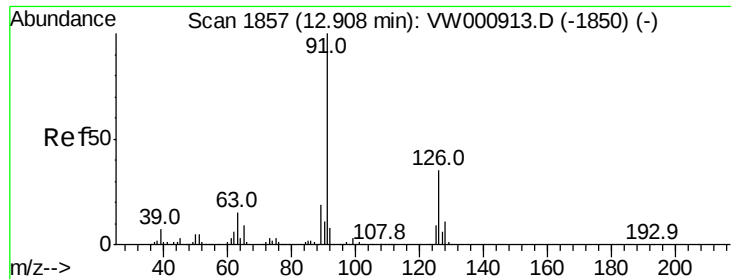
Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

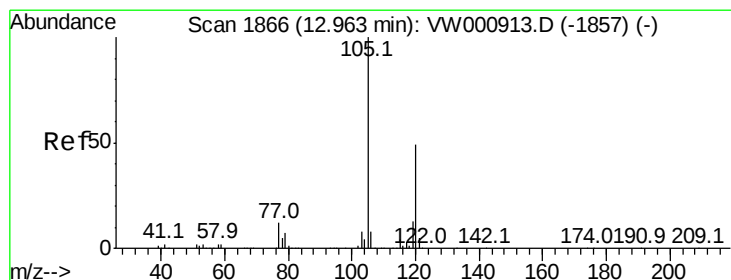
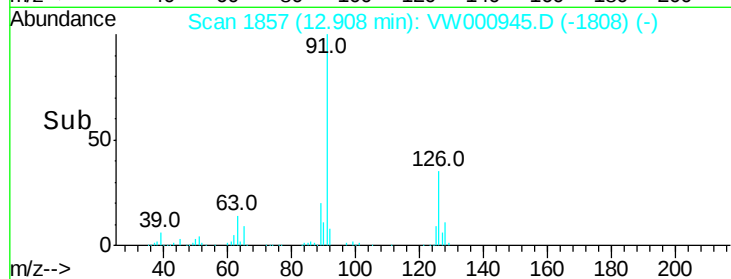
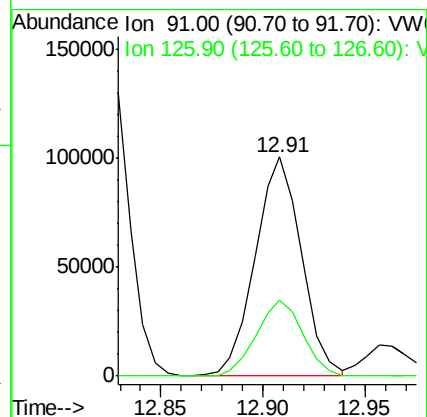
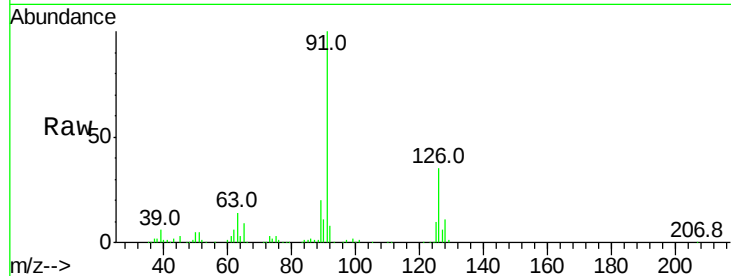




#79
 2-Chlorotoluene
 Concen: 20.675 ug/l
 RT: 12.91 min Scan# 1857
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

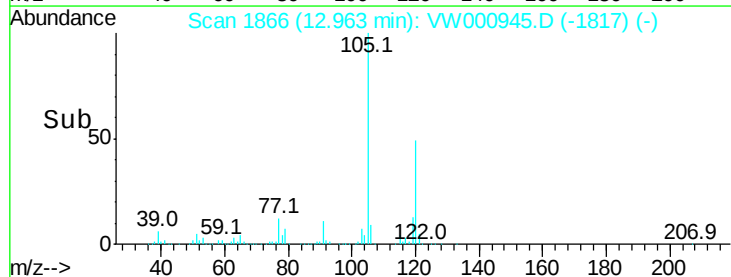
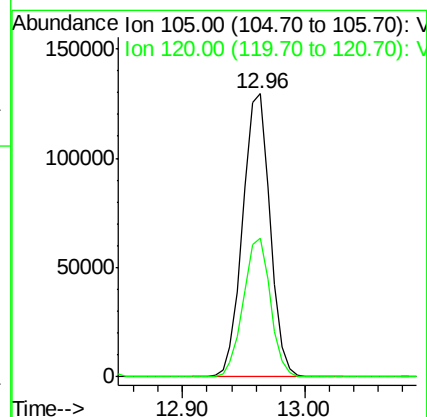
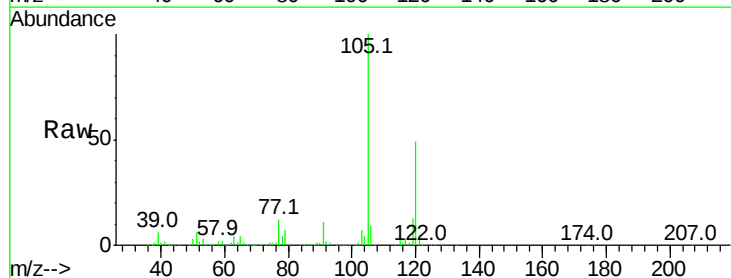
Instrument :
 MSVOA_W
 ClientSampled :

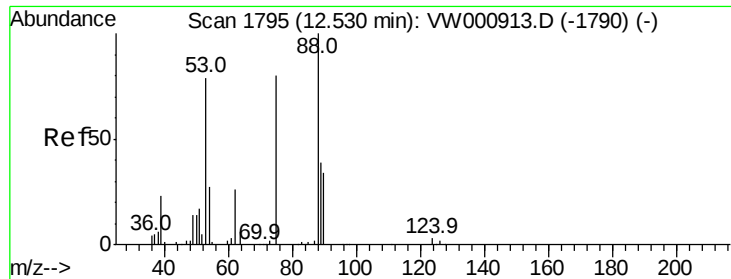
Tot Ion: 91 Resp: 158348
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.873 ug/l
 RT: 12.96 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VW000945.D
 Acq: 24 Jan 2018 14:02

Tgt Ion:105 Resp: 199823
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 17.960 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

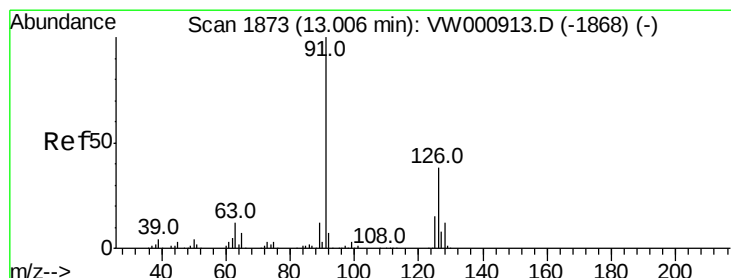
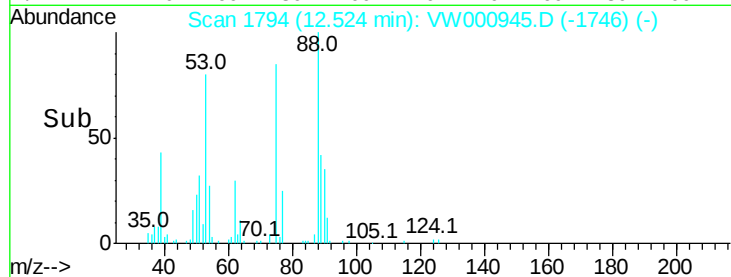
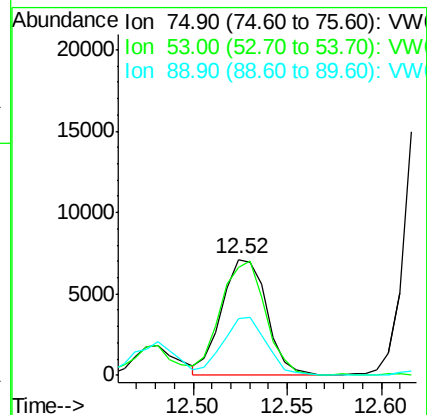
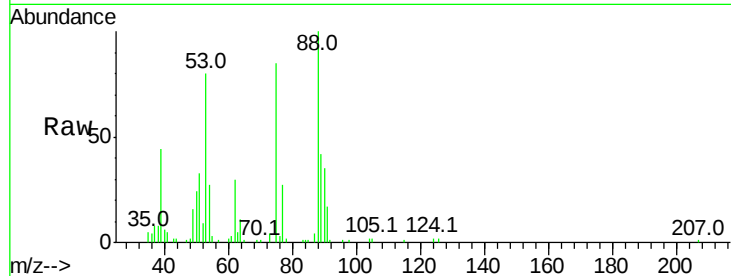
Tot Ion: 75 Resp: 11864

Ion Ratio Lower Upper

75 100

53 97.5 77.5 116.3

89 48.5 38.2 57.4



#82

4-Chlorotoluene

Concen: 20.628 ug/l

RT: 13.01 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VW000945.D

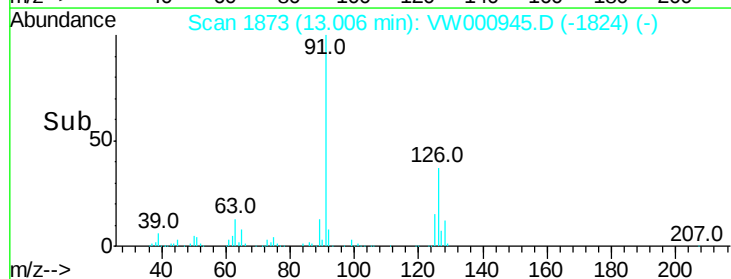
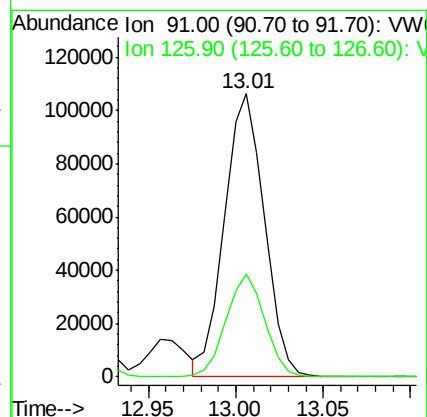
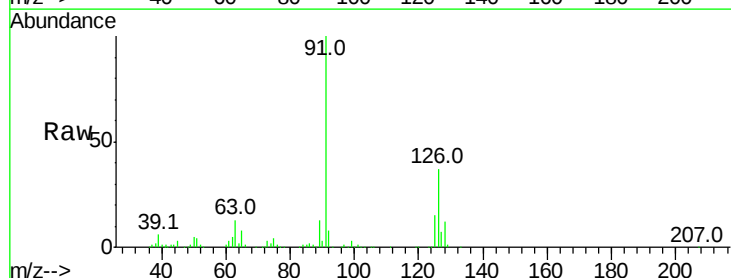
Acq: 24 Jan 2018 14:02

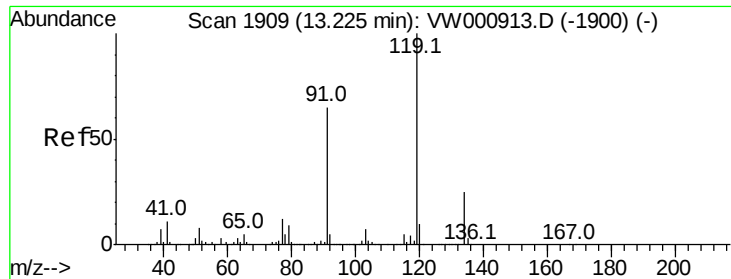
Tgt Ion: 91 Resp: 167846

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.9

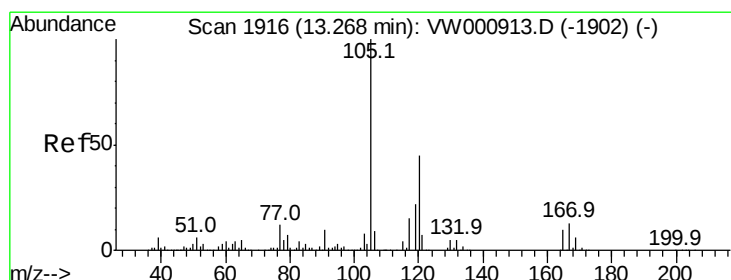
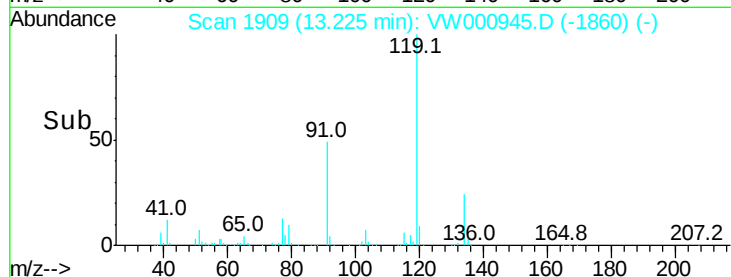
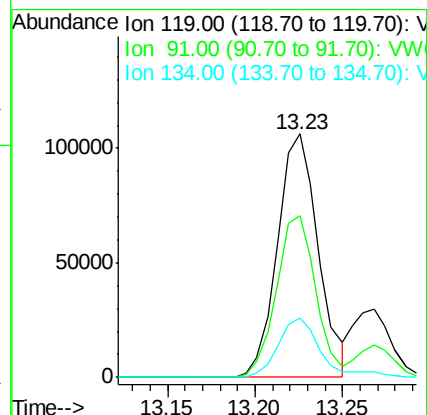
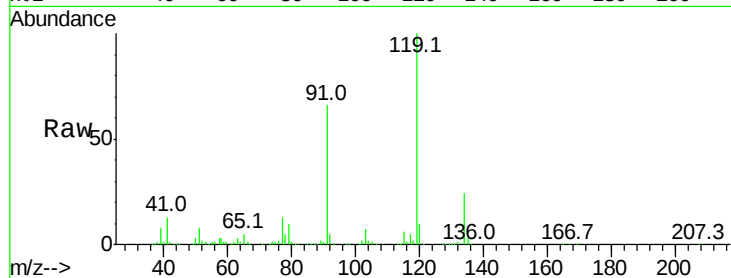




#83
tert-Butylbenzene
Concen: 20.581 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

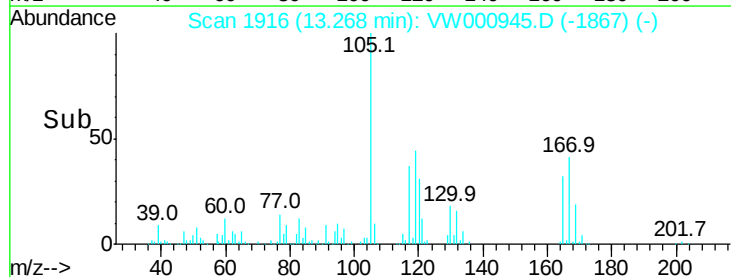
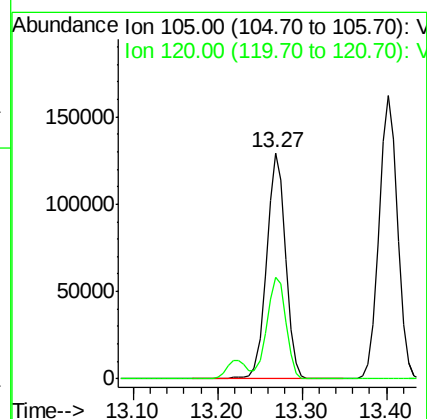
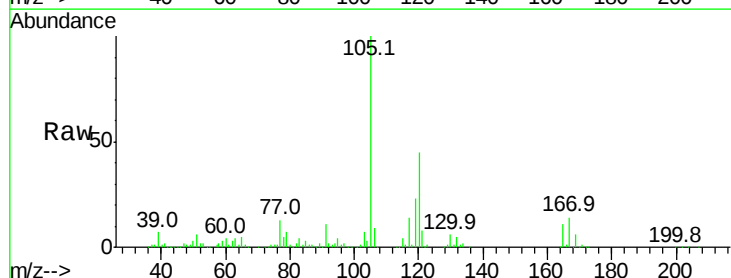
Instrument :
MSVOA_W
ClientSampleId :

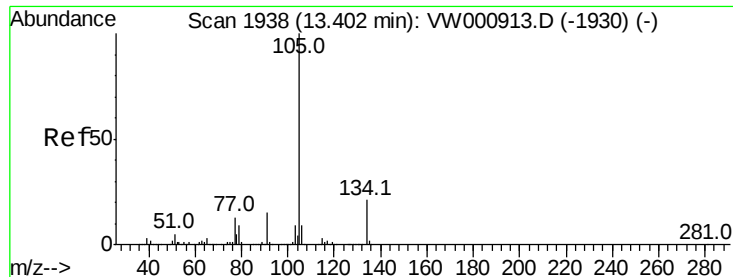
Tot Ion:119 Resp: 172648
Ion Ratio Lower Upper
119 100
91 64.4 32.4 97.0
134 25.9 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 20.752 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion:105 Resp: 200903
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.399 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

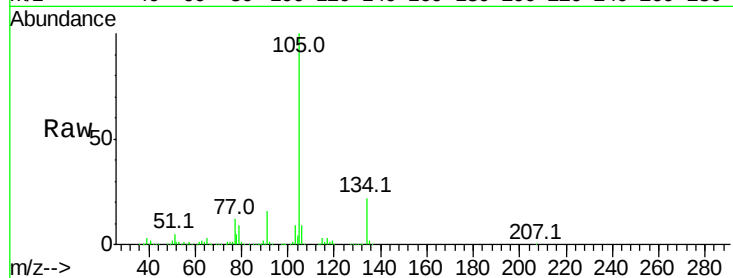
ClientSampled :

Tot Ion:105 Resp: 246921

Ion Ratio Lower Upper

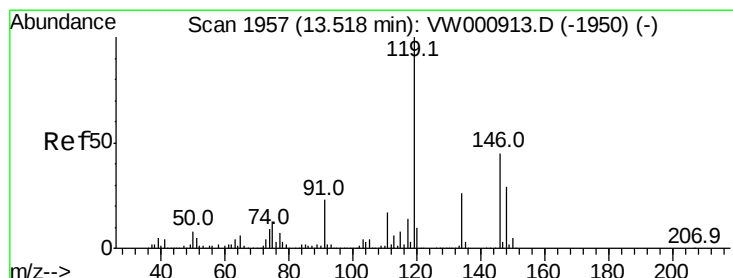
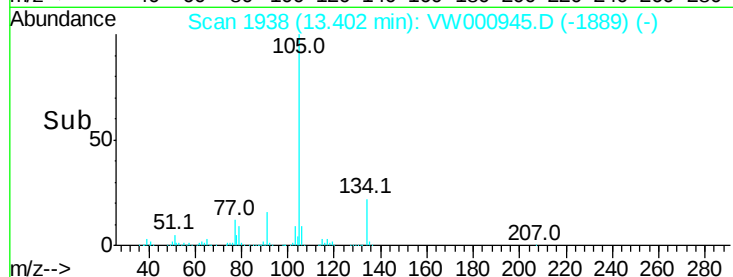
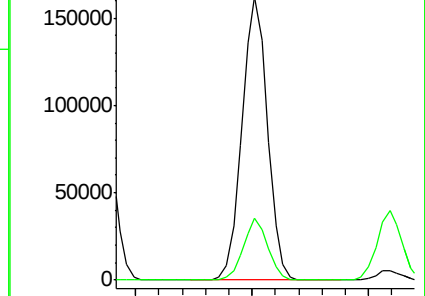
105 100

134 20.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.456 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

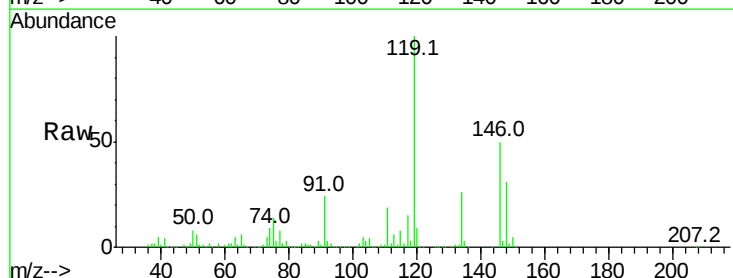
Tgt Ion:119 Resp: 219635

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.6

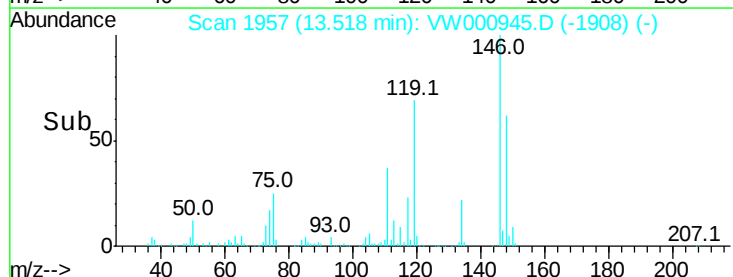
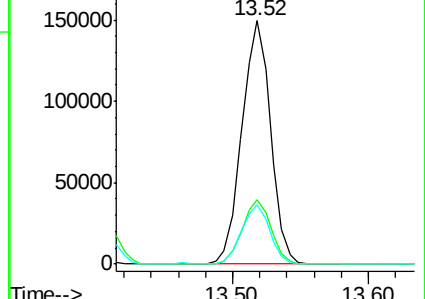
91 23.8 11.7 35.0

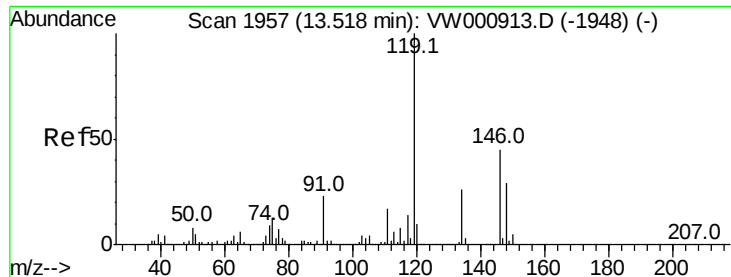


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.428 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampled :

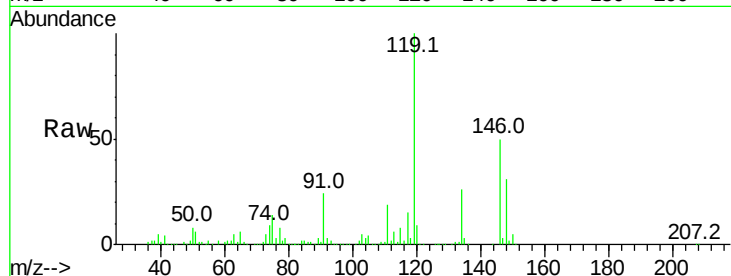
Tot Ion:146 Resp: 116007

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.0

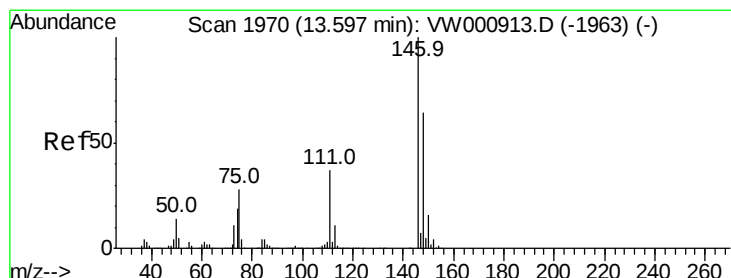
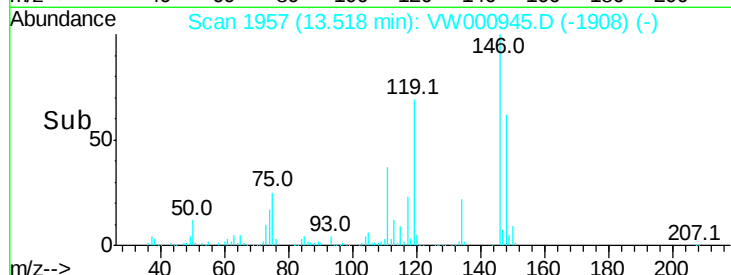
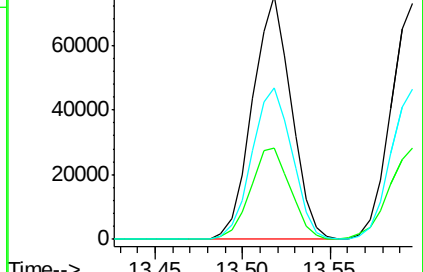
148 64.6 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.344 ug/l

RT: 13.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

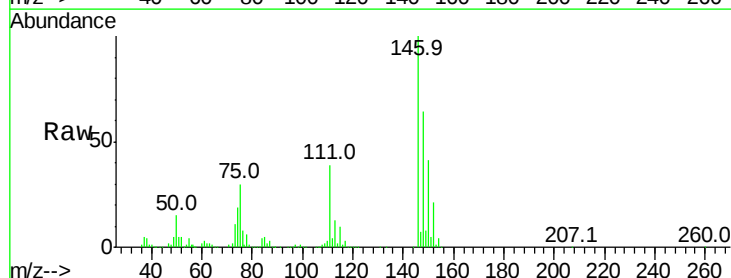
Tgt Ion:146 Resp: 115522

Ion Ratio Lower Upper

146 100

111 39.4 19.0 57.0

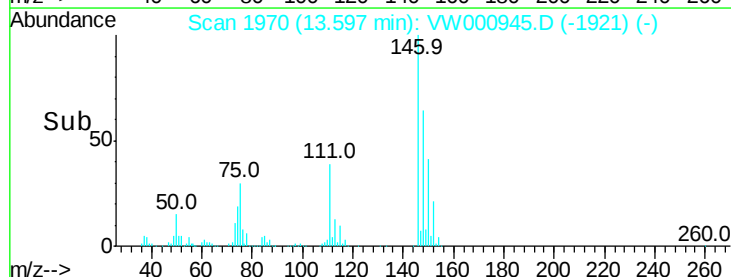
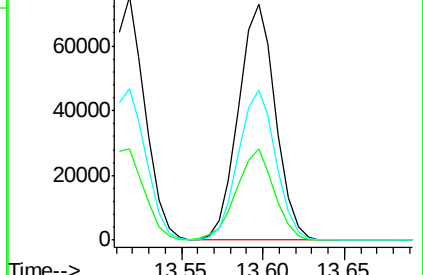
148 63.8 32.4 97.2

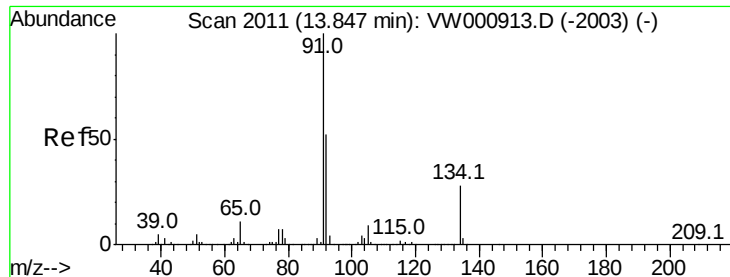


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

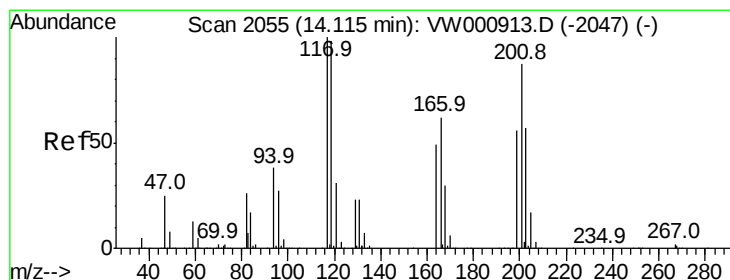
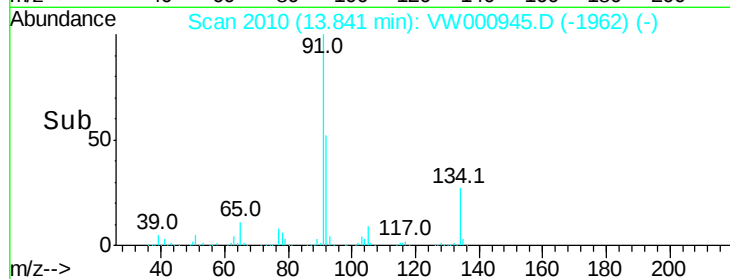
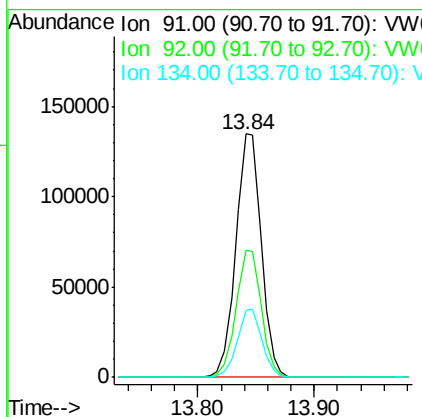
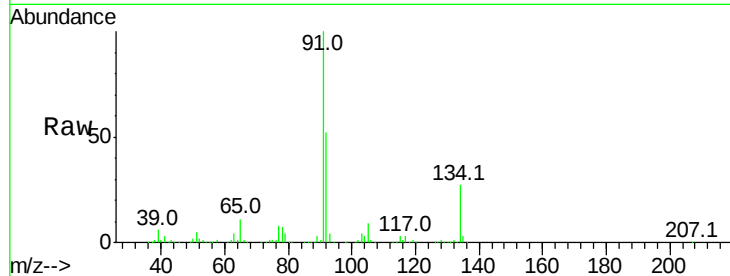




#89
n-Butylbenzene
Concen: 20.313 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.01 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

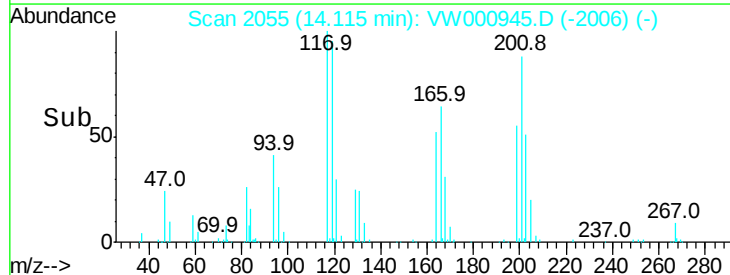
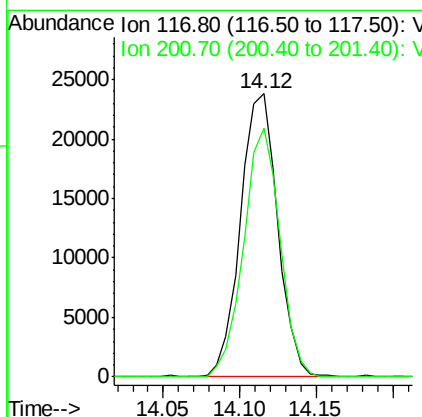
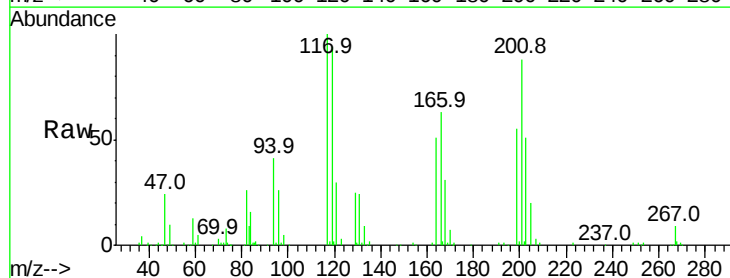
Instrument :
MSVOA_W
ClientSampleId :

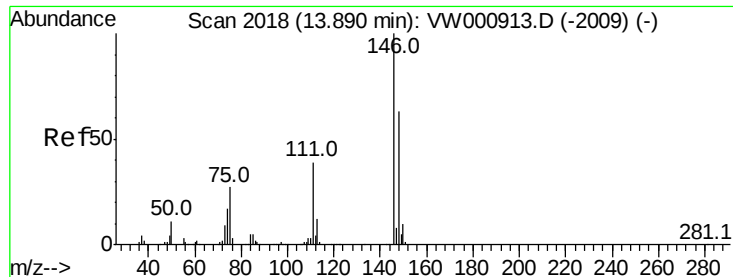
Tot Ion: 91 Resp: 204872
Ion Ratio Lower Upper
91 100
92 51.9 26.2 78.6
134 27.0 13.7 41.1



#90
Hexachloroethane
Concen: 20.176 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion: 117 Resp: 40267
Ion Ratio Lower Upper
117 100
201 85.8 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 20.616 ug/l

RT: 13.89 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VW000945.D

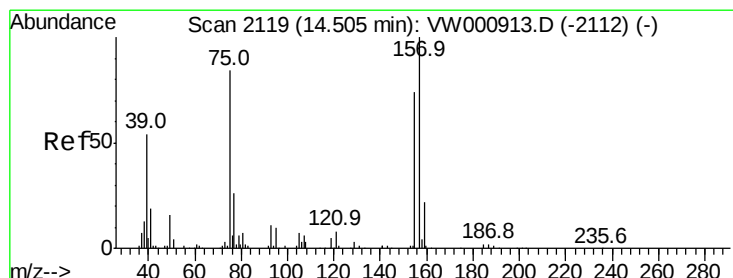
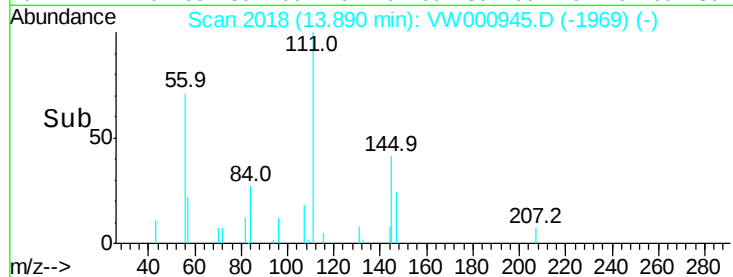
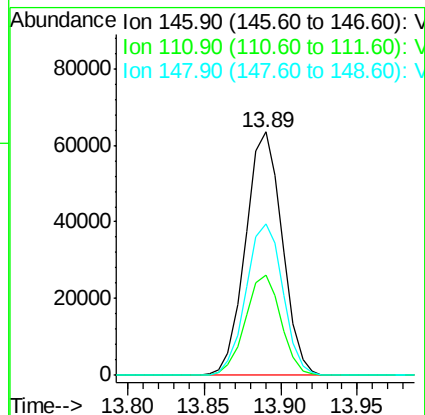
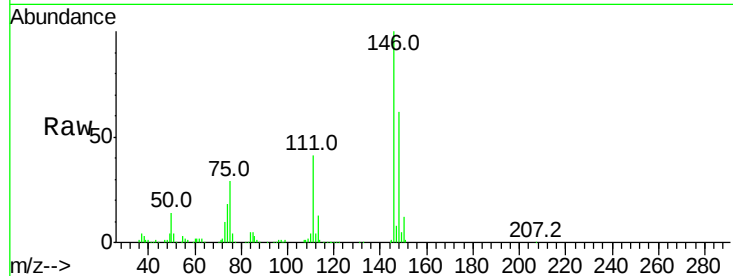
Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	105455
Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.4
148	62.7	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.641 ug/l

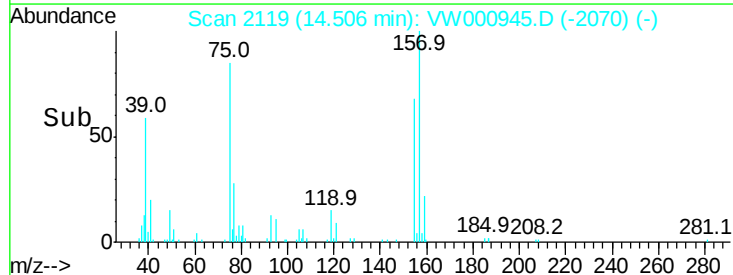
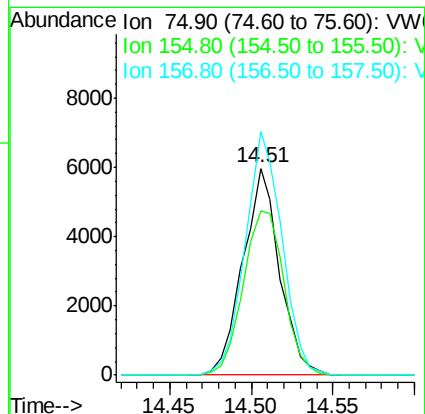
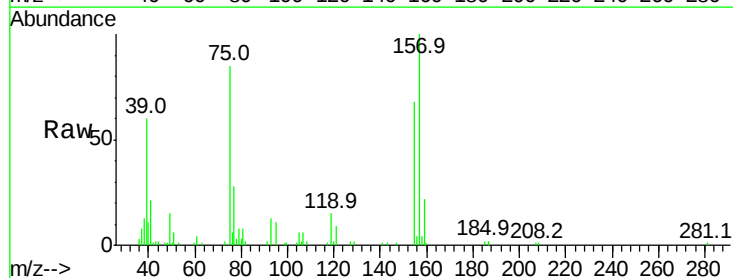
RT: 14.51 min Scan# 2119

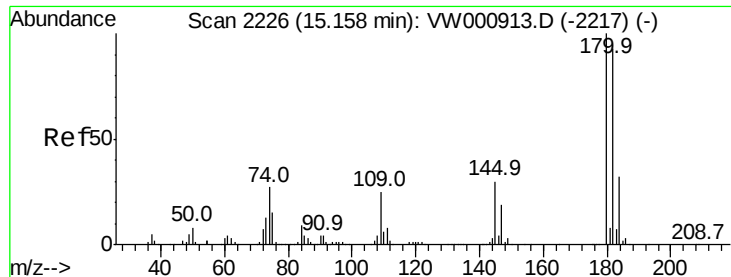
Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Tgt Ion:	75	Resp:	9364
Ion	Ratio	Lower	Upper
75	100		
155	87.9	45.9	137.6
157	118.1	59.8	179.3

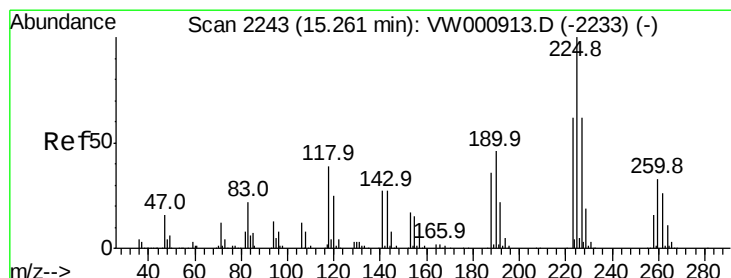
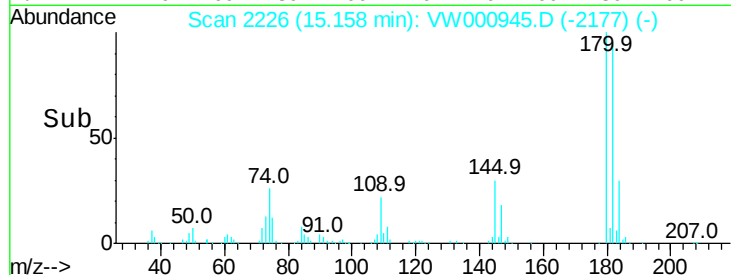
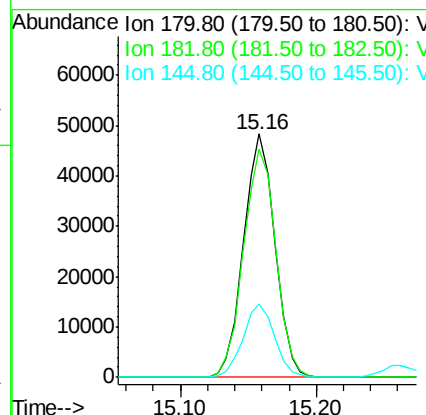
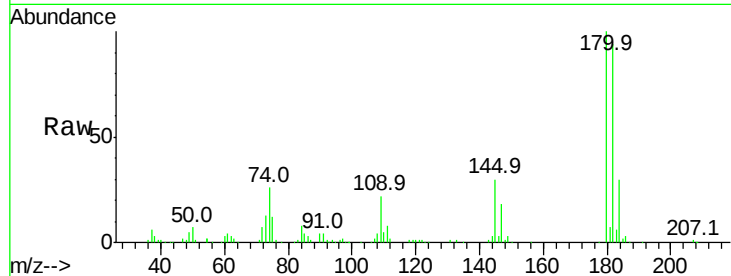




#93
1,2,4-Trichlorobenzene
Concen: 20.419 ug/l
RT: 15.16 min Scan# 2226
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

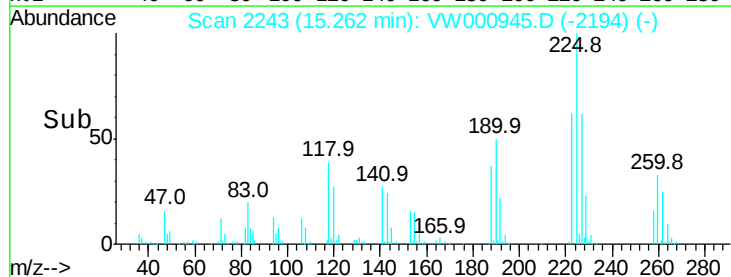
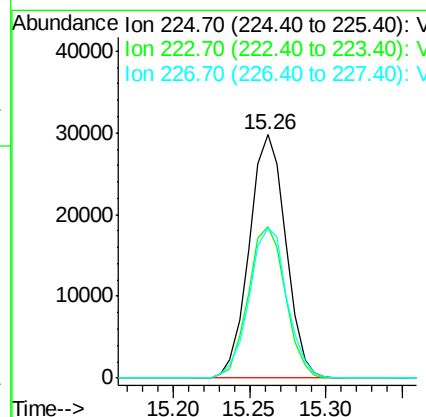
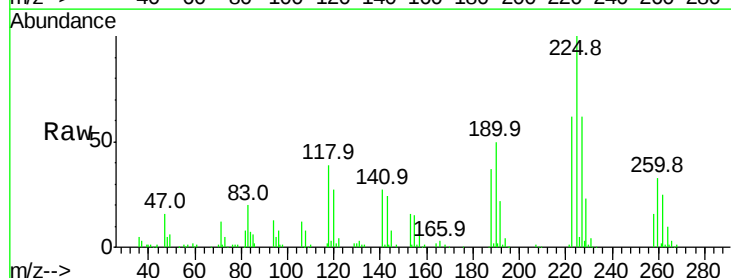
Instrument :
MSVOA_W
ClientSampleId :

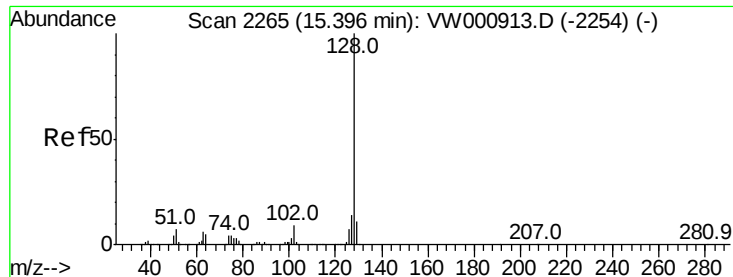
Tot Ion:180 Resp: 77845
Ion Ratio Lower Upper
180 100
182 96.7 47.5 142.6
145 30.2 14.9 44.7



#94
Hexachlorobutadiene
Concen: 20.465 ug/l
RT: 15.26 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VW000945.D
Acq: 24 Jan 2018 14:02

Tgt Ion:225 Resp: 49456
Ion Ratio Lower Upper
225 100
223 63.3 31.3 93.8
227 63.8 31.8 95.3





#95

Naphthalene

Concen: 19.046 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

Instrument :

MSVOA_W

ClientSampleId :

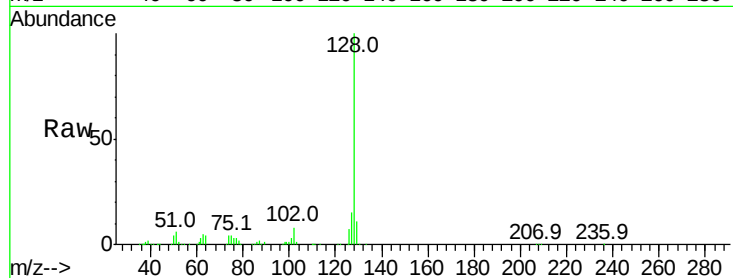
Tot Ion:128 Resp: 153259

Ion Ratio Lower Upper

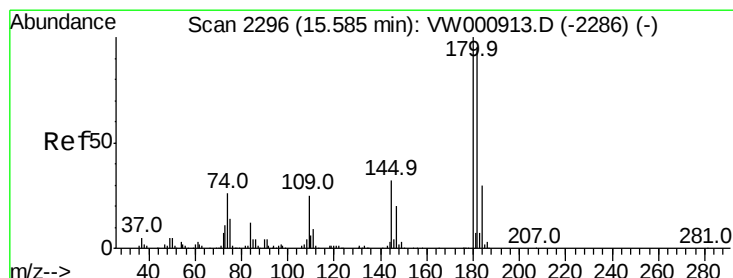
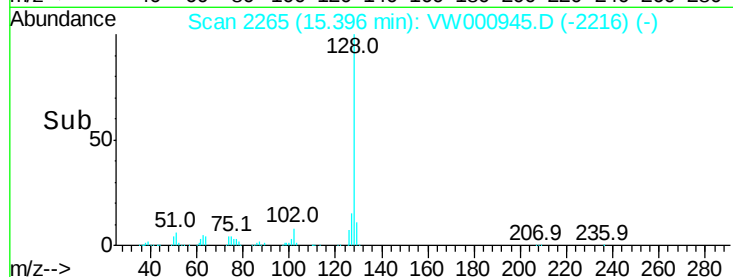
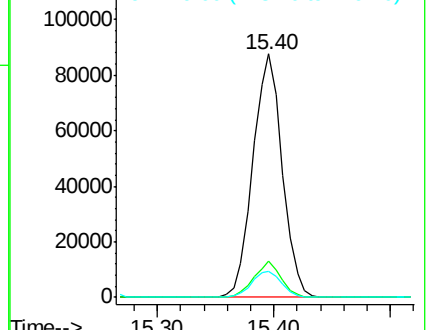
128 100

127 13.8 10.6 15.8

129 10.9 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: 20.598 ug/l

RT: 15.58 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VW000945.D

Acq: 24 Jan 2018 14:02

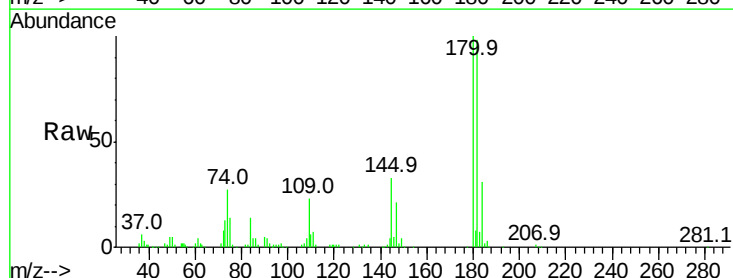
Tgt Ion:180 Resp: 72235

Ion Ratio Lower Upper

180 100

182 95.8 47.4 142.3

145 32.3 15.8 47.3



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

