

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000965.D
 Acq On : 24 Jan 2018 23:10
 Operator : JC/SY
 Sample : VW0124SBS02
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Quant Time: Jan 25 04:45:56 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	243054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	301297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109837	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.88	113	94667	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	10.33	98	401161	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.63	95	141729	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47266	20.17	ug/l	97
3) Chloromethane	2.22	50	41944	20.25	ug/l	99
4) Vinyl Chloride	2.36	62	38016	19.73	ug/l	98
5) Bromomethane	2.73	94	26516	18.72	ug/l	97
6) Chloroethane	2.90	64	20100	18.78	ug/l	94
7) Trichlorofluoromethane	3.25	101	71465	20.15	ug/l	100
8) Diethyl Ether	3.68	74	16335	18.38	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51384	22.42	ug/l	99
10) Methyl Iodide	4.26	142	38502	19.17	ug/l	98
11) Tert butyl alcohol	5.12	59	42134	166.78	ug/l #	76
12) 1,1-Dichloroethene	4.03	96	41721	21.18	ug/l	96
13) Acrolein	3.90	56	21753	88.19	ug/l	98
14) Allyl chloride	4.66	41	59331	19.33	ug/l	99
15) Acrylonitrile	5.37	53	74763	107.72	ug/l	99
16) Acetone	4.13	43	80489	92.50	ug/l	96
17) Carbon Disulfide	4.36	76	127563	19.61	ug/l	99
18) Methyl Acetate	4.67	43	36091	21.06	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	102428	20.24	ug/l	100
20) Methylene Chloride	4.91	84	46069	20.16	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	45185	19.74	ug/l	93
22) Diisopropyl ether	6.31	45	113186	20.60	ug/l	93
23) Vinyl Acetate	6.26	43	295158	86.45	ug/l	97
24) 1,1-Dichloroethane	6.21	63	75410	20.50	ug/l	100
25) 2-Butanone	7.18	43	107124	103.94	ug/l	99
26) 2,2-Dichloropropane	7.17	77	73556	19.76	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47647	20.15	ug/l	97
28) Bromochloromethane	7.51	49	30182	19.54	ug/l	99
29) Tetrahydrofuran	7.53	42	62926	110.97	ug/l	100
30) Chloroform	7.68	83	79354	20.00	ug/l	99
31) Cyclohexane	7.95	56	78521	20.68	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78488	20.47	ug/l	100
36) 1,1-Dichloropropene	8.08	75	67366	21.23	ug/l	99
37) Ethyl Acetate	7.26	43	40218	22.45	ug/l	100
38) Carbon Tetrachloride	8.07	117	71386	20.39	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80143	20.97	ug/l	96
40) Benzene	8.32	78	180626	20.93	ug/l	100
41) Methacrylonitrile	7.49	41	19727	19.62	ug/l	88
42) 1,2-Dichloroethane	8.40	62	54523	20.51	ug/l	98
43) Isopropyl Acetate	8.43	43	64268	21.16	ug/l	100
44) Trichloroethene	9.09	130	53857	21.01	ug/l	96
45) 1,2-Dichloropropane	9.37	63	41799	20.76	ug/l	100
46) Dibromomethane	9.46	93	26445	20.56	ug/l	98
47) Bromodichloromethane	9.65	83	57768	20.31	ug/l #	99
48) Methyl methacrylate	9.45	41	30162	20.68	ug/l	98
49) 1,4-Dioxane	9.45	88	13288	472.68	ug/l	94
51) 4-Methyl-2-Pentanone	10.22	43	190132	108.81	ug/l	100
52) Toluene	10.40	92	113496	20.82	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	56763	19.70	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	62757	19.80	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	37379	20.81	ug/l	98
56) Ethyl methacrylate	10.66	69	44059	20.34	ug/l	97
57) 1,3-Dichloropropane	10.95	76	62085	21.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	94847	87.99	ug/l	97
59) 2-Hexanone	10.98	43	144751	103.38	ug/l	98
60) Dibromochloromethane	11.13	129	43589	20.09	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38311	20.47	ug/l	98
64) Tetrachloroethene	10.87	164	59614	23.84	ug/l	99
65) Chlorobenzene	11.67	112	126692	20.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	45505	20.50	ug/l	100
67) Ethyl Benzene	11.74	91	218242	20.90	ug/l	100
68) m/p-Xylenes	11.85	106	170388	41.98	ug/l	99
69) o-Xylene	12.18	106	76491	20.55	ug/l	99
70) Styrene	12.20	104	127398	21.00	ug/l	99
71) Bromoform	12.36	173	30224	20.07	ug/l #	99
73) Isopropylbenzene	12.48	105	226526	21.94	ug/l	99
74) N-amyl acetate	12.29	43	54030	21.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	48429	21.95	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	66939	36.20	ug/l #	100
77) Bromobenzene	12.76	156	54921	20.91	ug/l	99
78) n-propylbenzene	12.82	91	271444	21.79	ug/l	99
79) 2-Chlorotoluene	12.91	91	150510	21.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	189177	21.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12275	19.67	ug/l	97
82) 4-Chlorotoluene	13.01	91	158228	21.19	ug/l	99
83) tert-Butylbenzene	13.23	119	164863	21.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	191534	21.56	ug/l	100
85) sec-Butylbenzene	13.40	105	244220	21.99	ug/l	99
86) p-Isopropyltoluene	13.52	119	211962	21.52	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	109390	20.99	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109747	21.06	ug/l	99
89) n-Butylbenzene	13.84	91	197308	21.32	ug/l	99
90) Hexachloroethane	14.12	117	39252	21.44	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	101212	21.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10427	21.41	ug/l	98

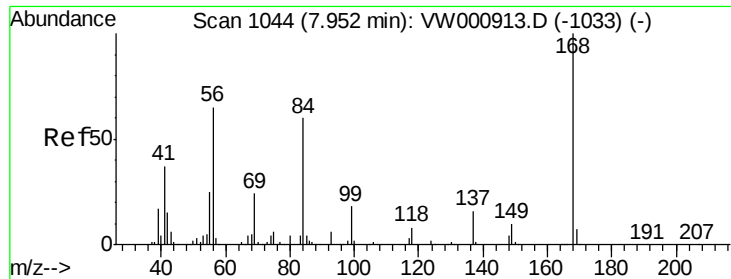
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
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QLast Update : Tue Jan 23 13:31:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	72457	20.71	ug/l	100
94) Hexachlorobutadiene	15.26	225	49563	22.35	ug/l	99
95) Naphthalene	15.40	128	158139	21.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	68676	21.34	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

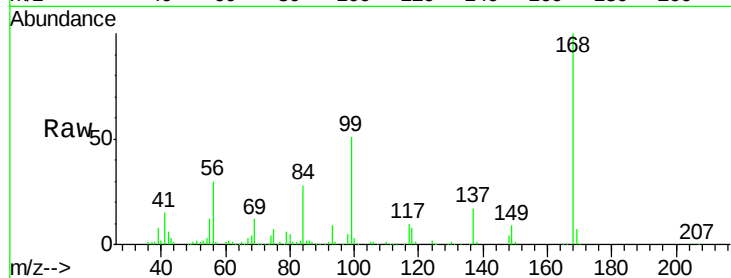
VW0124SBS02

Tgt Ion:168 Resp: 243054

Ion Ratio Lower Upper

168 100

99 51.4 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

120000

100000

80000

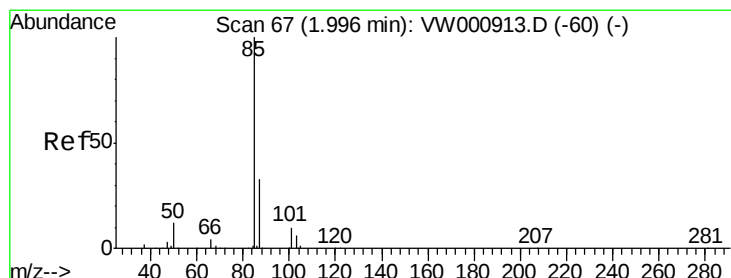
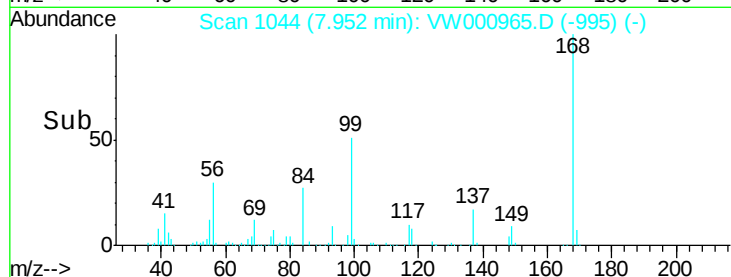
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.17 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000965.D

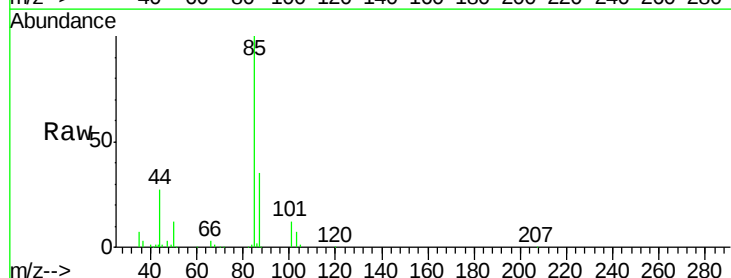
Acq: 24 Jan 2018 23:10

Tgt Ion: 85 Resp: 47266

Ion Ratio Lower Upper

85 100

87 35.0 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

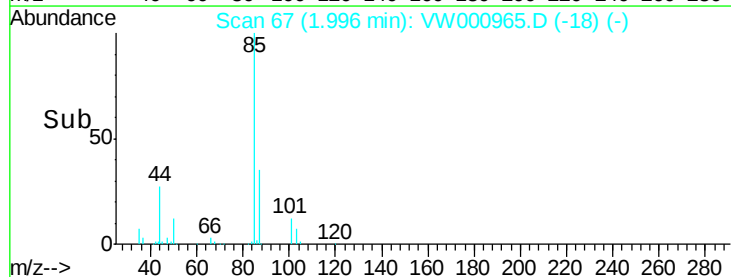
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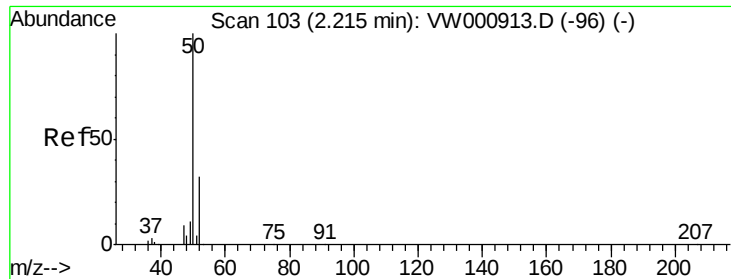
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.25 ug/l

RT: 2.22 min Scan# 104

Delta R.T. 0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

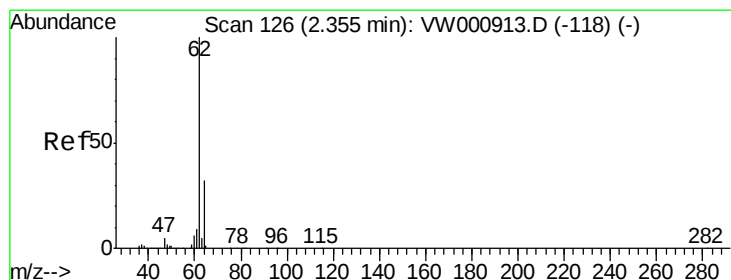
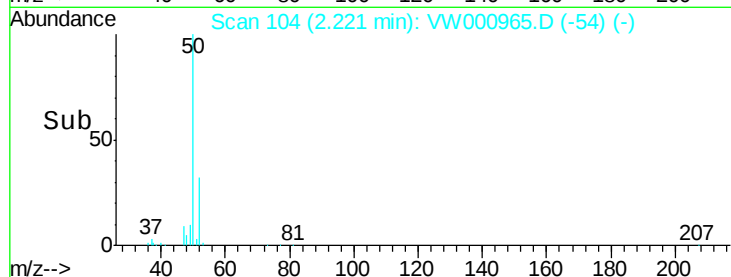
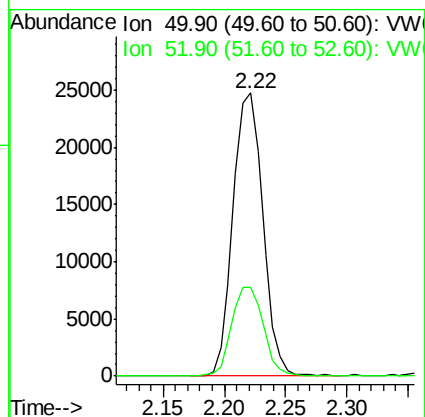
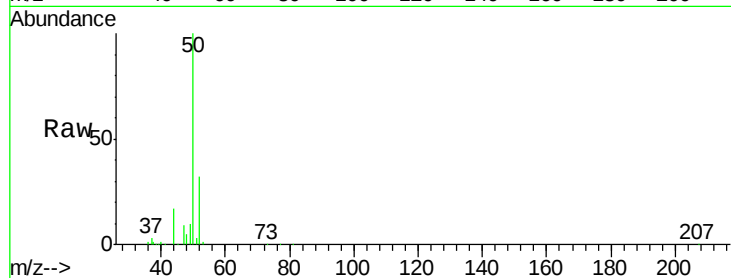
VW0124SBS02

Tgt Ion: 50 Resp: 41944

Ion Ratio Lower Upper

50 100

52 31.5 25.5 38.3



#4

Vinyl Chloride

Concen: 19.73 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000965.D

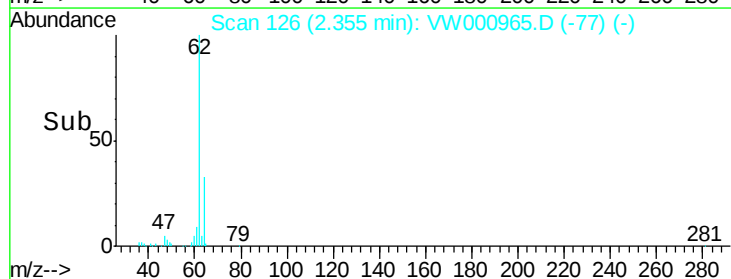
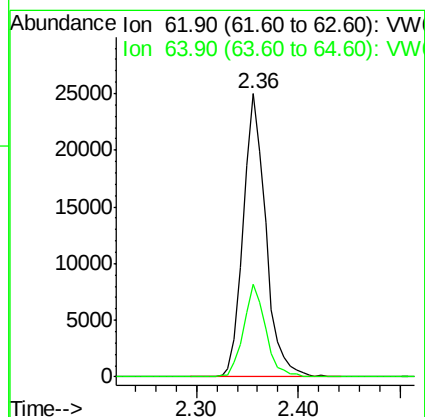
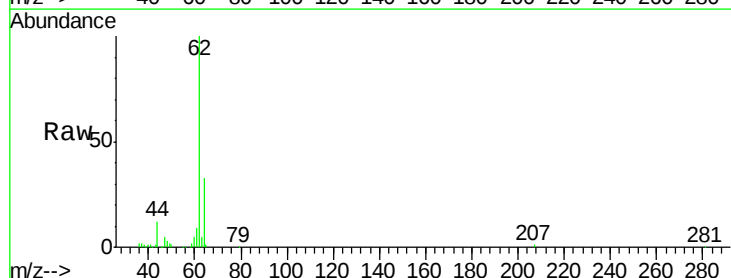
Acq: 24 Jan 2018 23:10

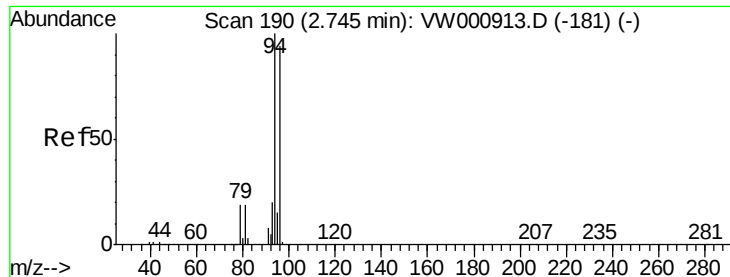
Tgt Ion: 62 Resp: 38016

Ion Ratio Lower Upper

62 100

64 32.9 25.6 38.4





#5

Bromomethane

Concen: 18.72 ug/l

RT: 2.73 min Scan# 188

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

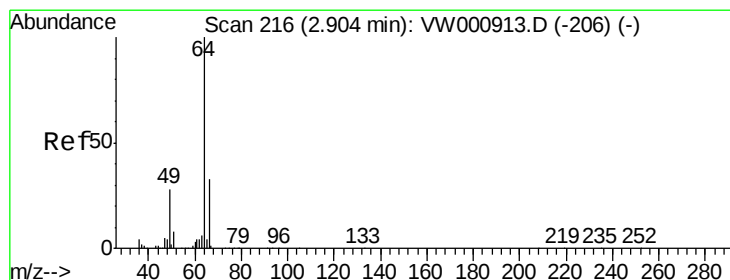
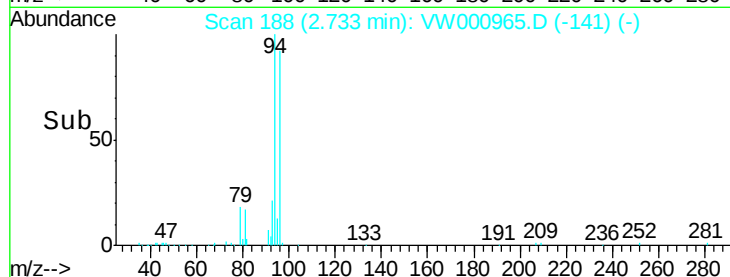
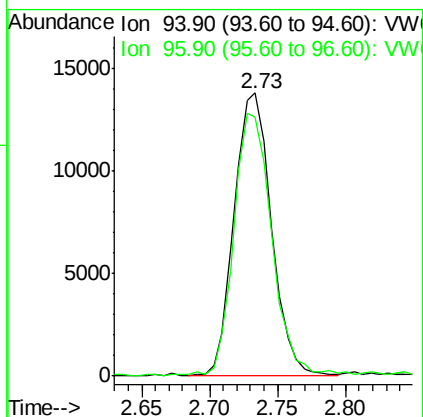
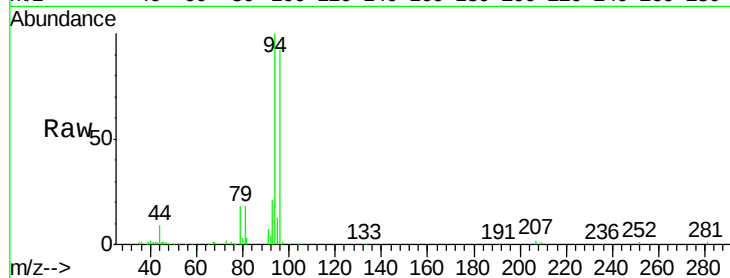
VW0124SBS02

Tgt Ion: 94 Resp: 26516

Ion Ratio Lower Upper

94 100

96 91.1 75.5 113.3



#6

Chloroethane

Concen: 18.78 ug/l

RT: 2.90 min Scan# 215

Delta R.T. -0.01 min

Lab File: VW000965.D

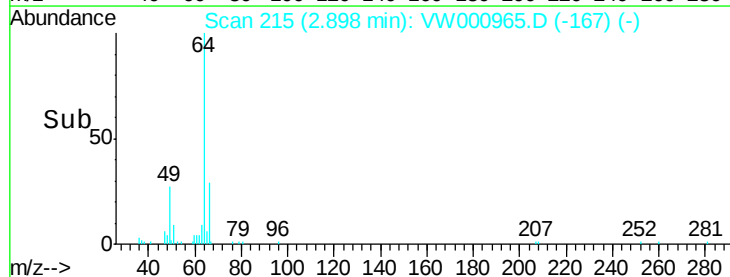
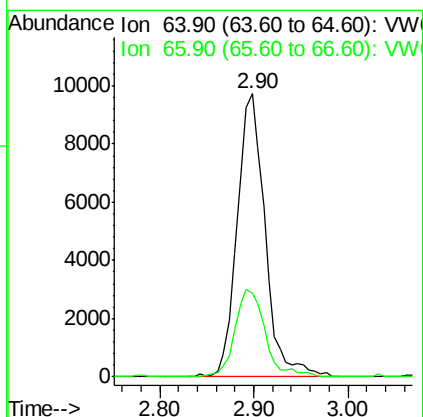
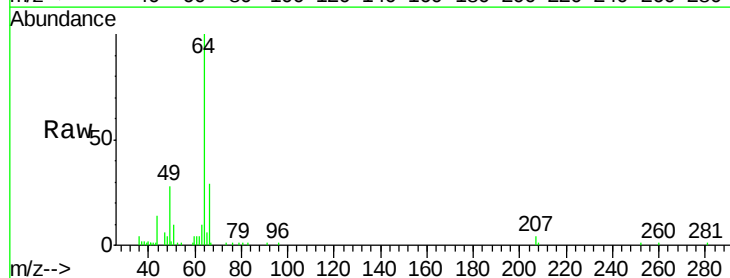
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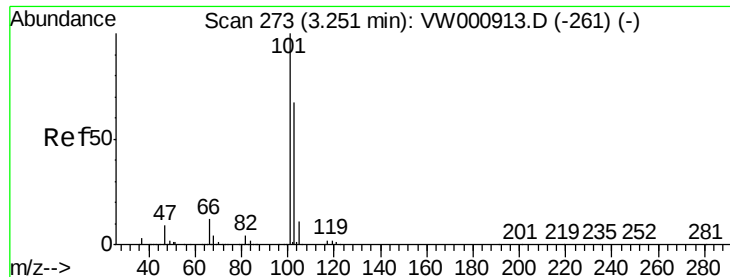
Tgt Ion: 64 Resp: 20100

Ion Ratio Lower Upper

64 100

66 29.5 26.1 39.1



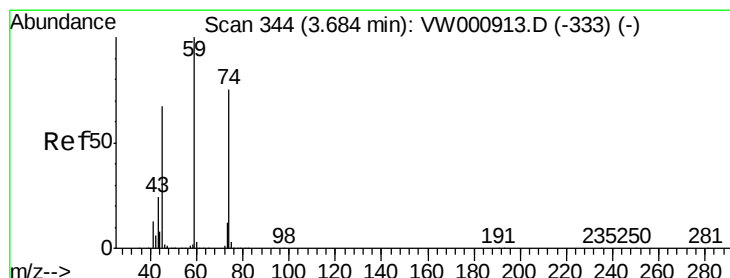
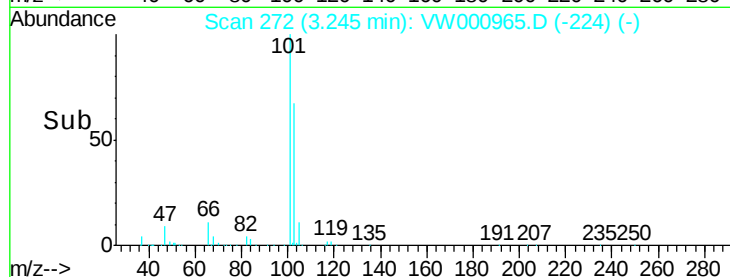
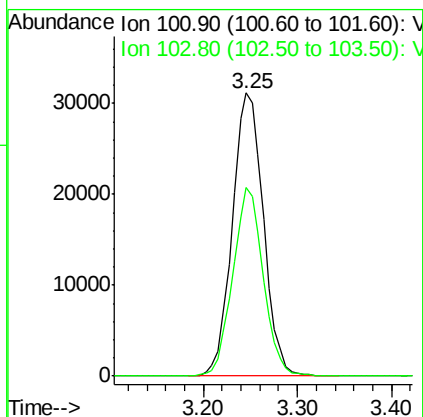
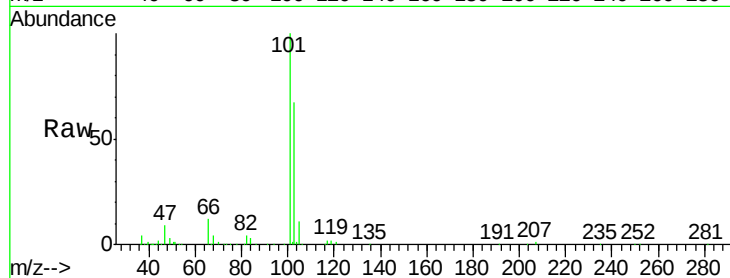


#7

Trichlorofluoromethane
 Concen: 20.15 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.01 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
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 ClientSampleId :
 VW0124SBS02

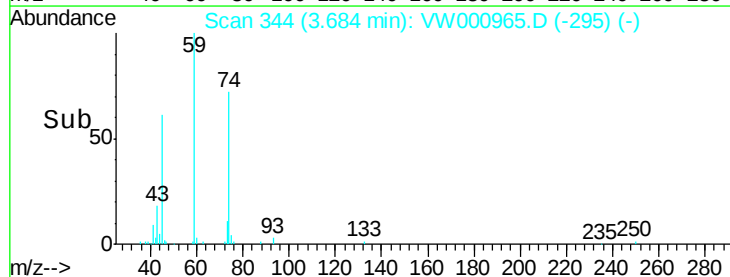
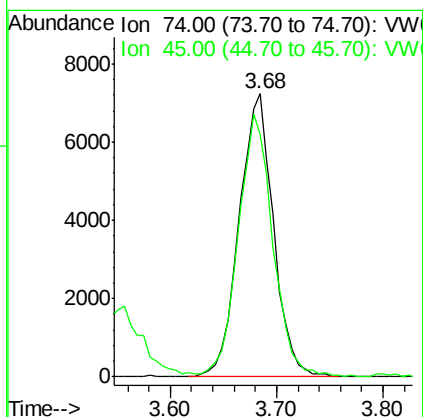
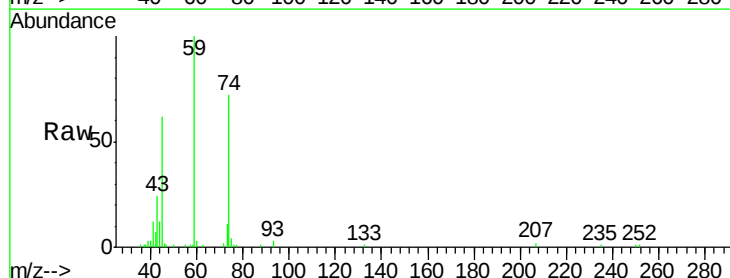
Tgt Ion:101 Resp: 71465
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.4 80.0

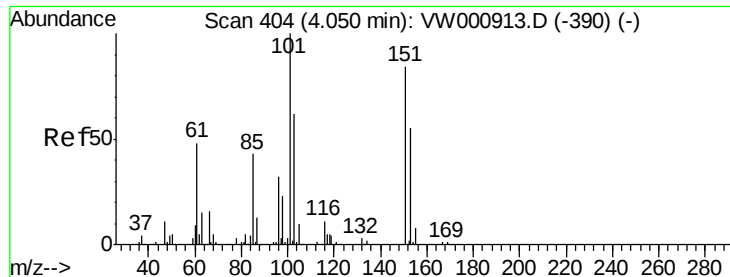


#8

Diethyl Ether
 Concen: 18.38 ug/l
 RT: 3.68 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 74 Resp: 16335
 Ion Ratio Lower Upper
 74 100
 45 94.1 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.42 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

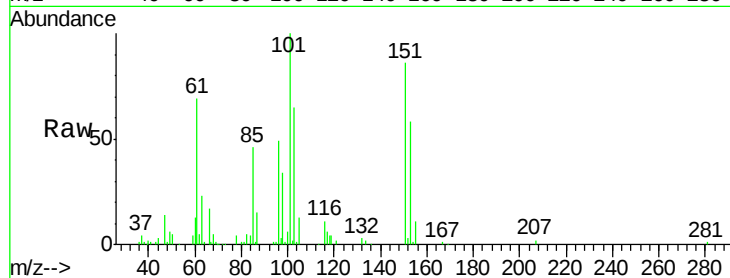
Tgt Ion:101 Resp: 51384

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

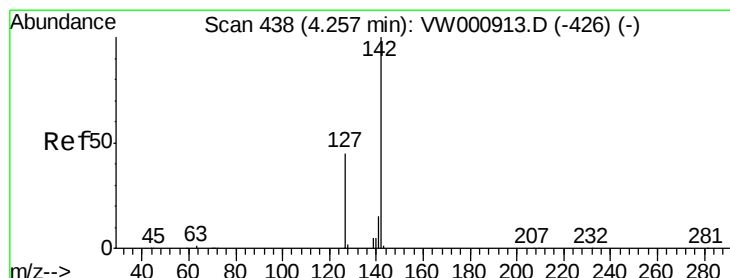
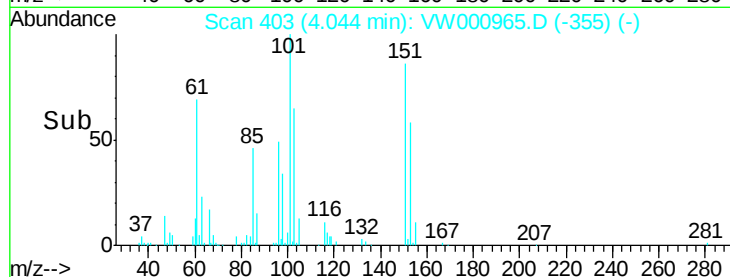
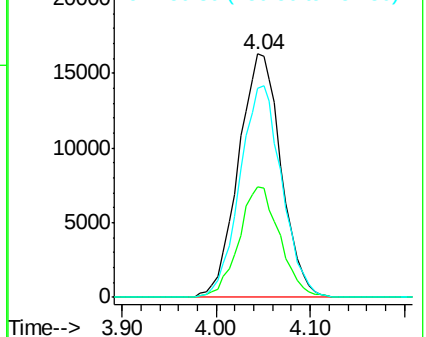
151 85.9 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.17 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

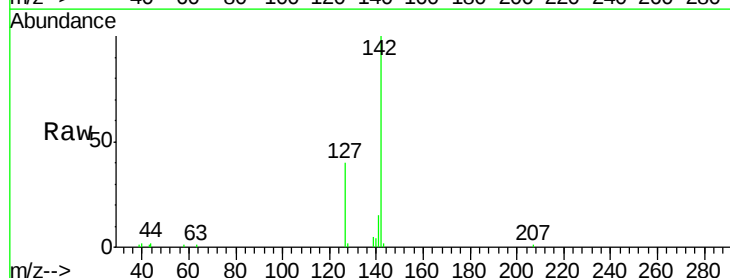
Tgt Ion:142 Resp: 38502

Ion Ratio Lower Upper

142 100

127 45.5 35.5 53.3

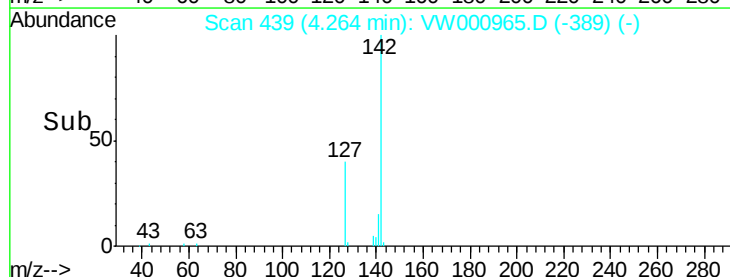
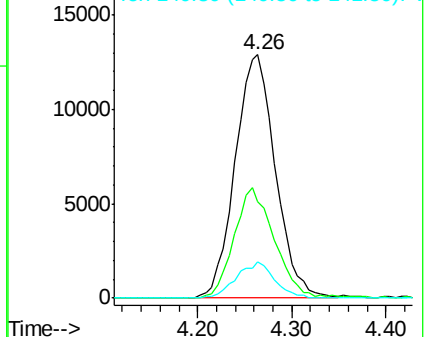
141 14.1 11.7 17.5

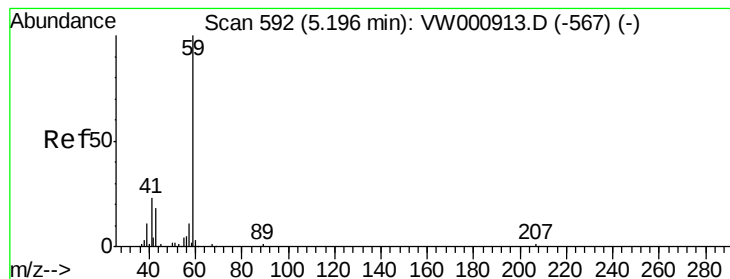


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



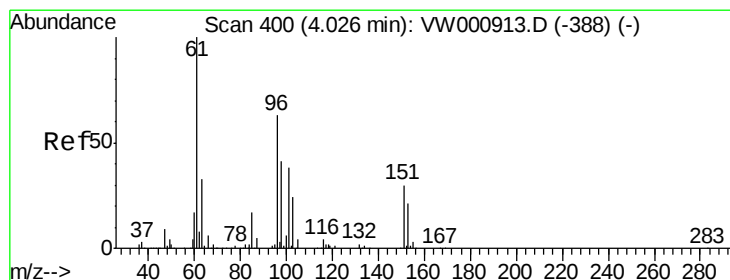
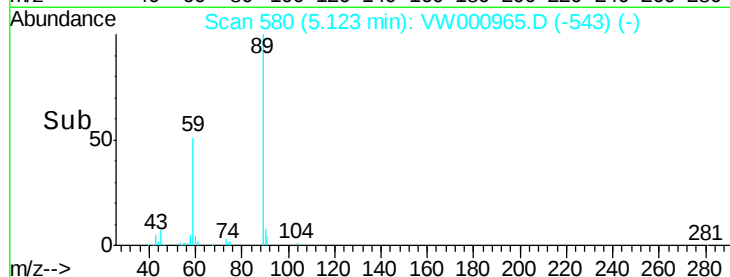
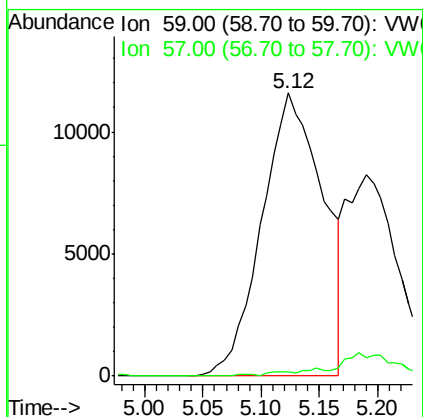
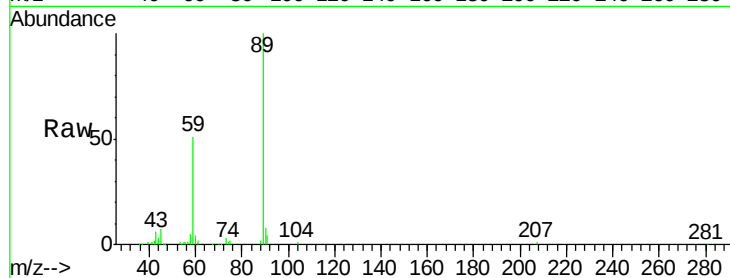


#11

Tert butyl alcohol
Concen: 166.78 ug/l
RT: 5.12 min Scan# 580
Delta R.T. -0.07 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampled :
VW0124SBS02

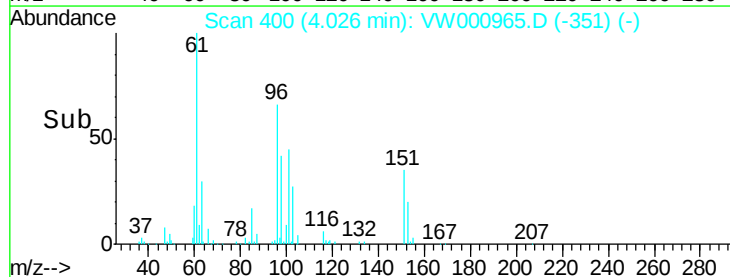
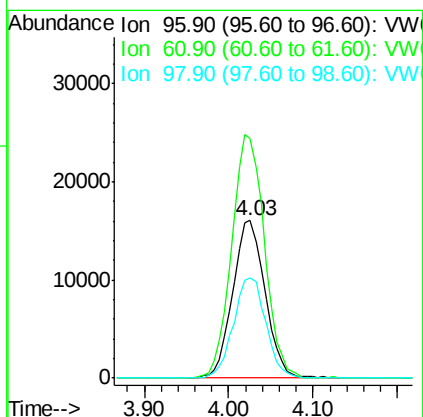
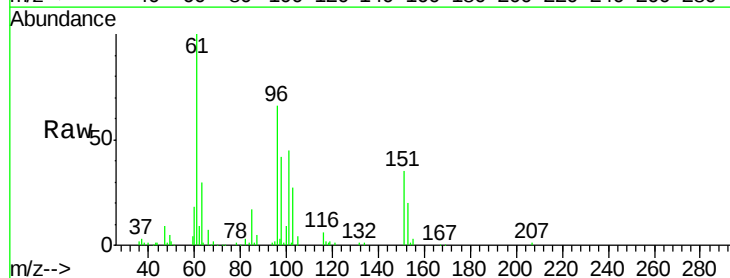
Tgt Ion: 59 Resp: 42134
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#

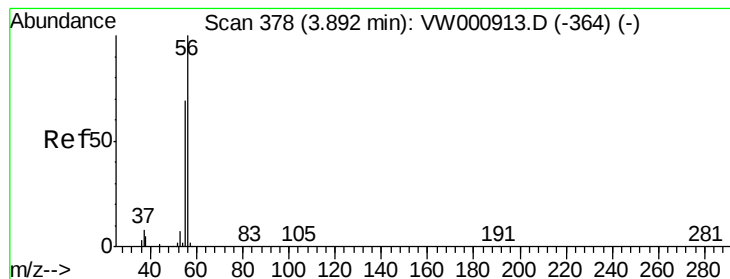


#12

1,1-Dichloroethene
Concen: 21.18 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 96 Resp: 41721
Ion Ratio Lower Upper
96 100
61 151.8 126.7 190.1
98 63.3 52.1 78.1





#13

Acrolein

Concen: 88.19 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

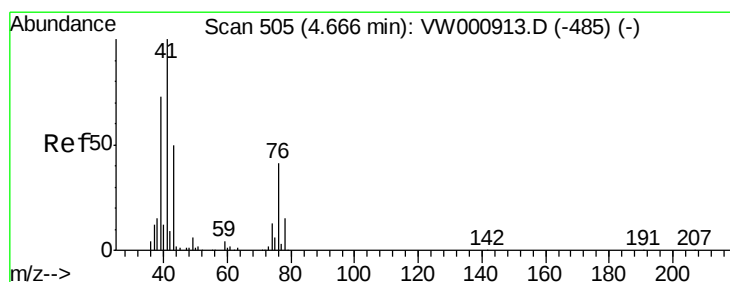
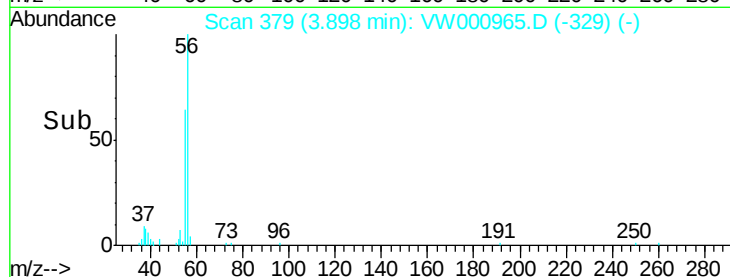
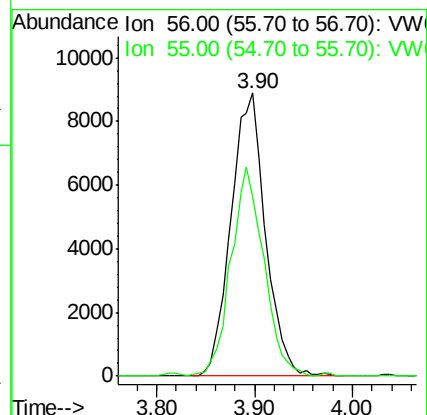
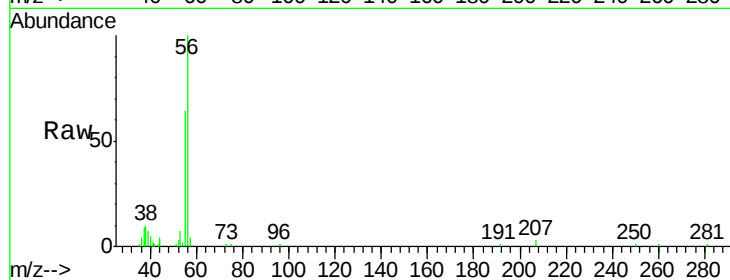
VW0124SBS02

Tgt Ion: 56 Resp: 21753

Ion Ratio Lower Upper

56 100

55 70.6 55.4 83.0



#14

Allyl chloride

Concen: 19.33 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

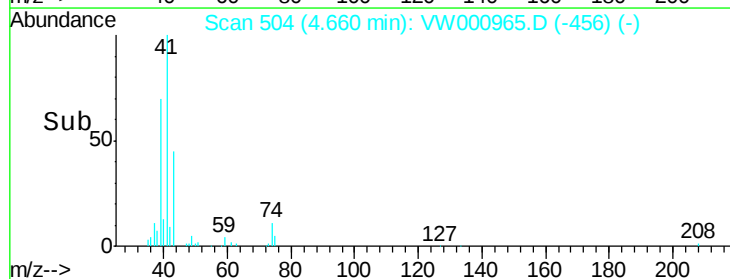
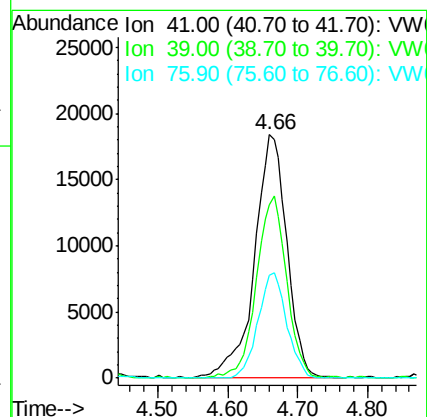
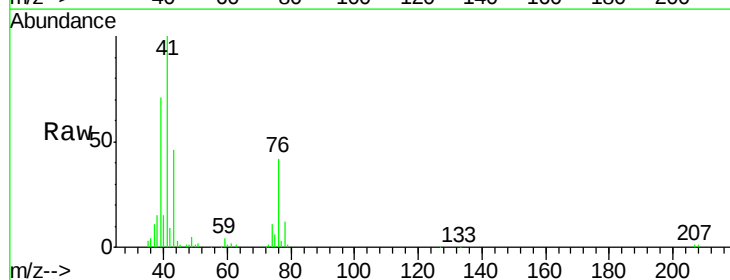
Tgt Ion: 41 Resp: 59331

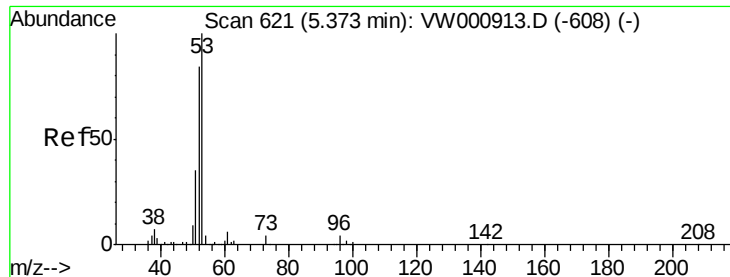
Ion Ratio Lower Upper

41 100

39 69.7 55.3 82.9

76 38.1 29.9 44.9





#15

Acrylonitrile

Concen: 107.72 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

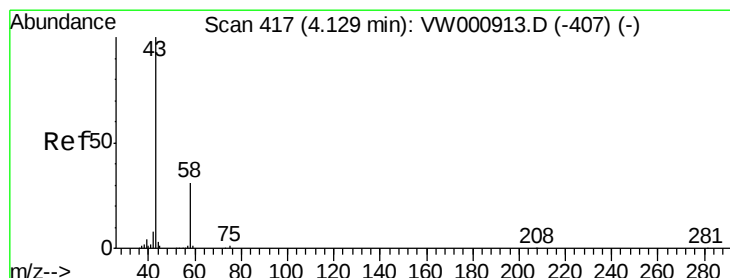
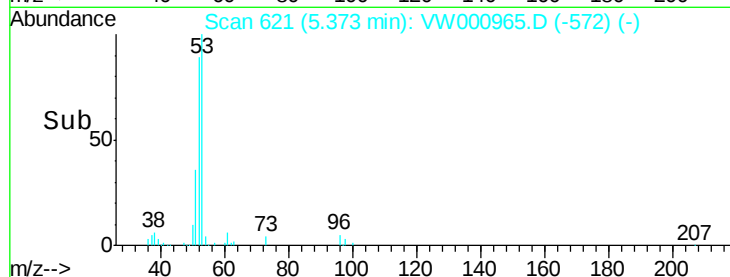
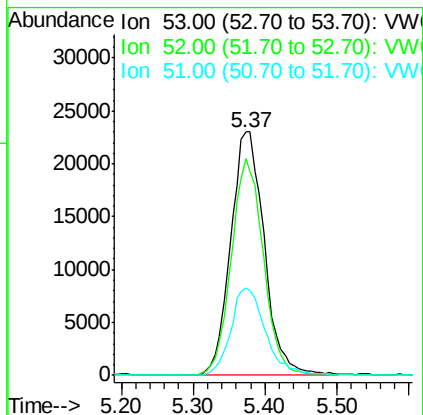
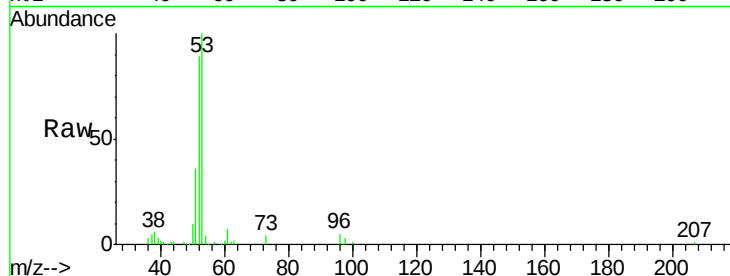
Tgt Ion: 53 Resp: 74763

Ion Ratio Lower Upper

53 100

52 84.6 66.6 99.8

51 36.9 29.4 44.0



#16

Acetone

Concen: 92.50 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW000965.D

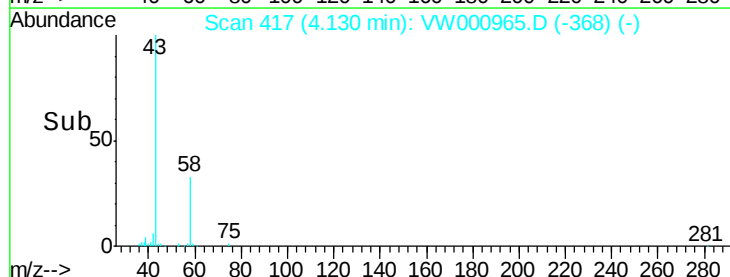
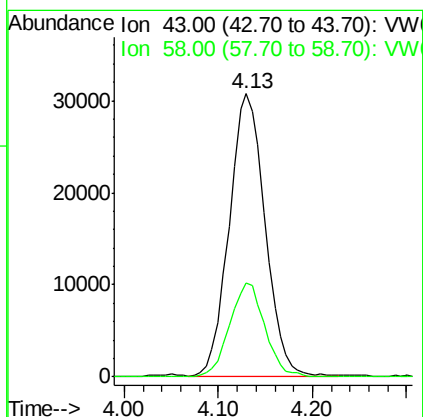
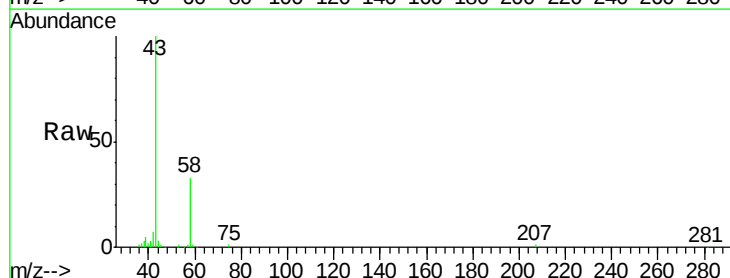
Acq: 24 Jan 2018 23:10

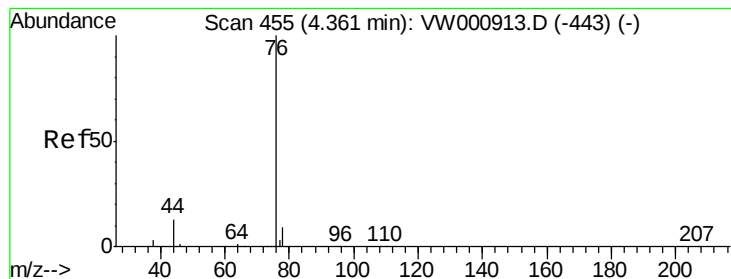
Tgt Ion: 43 Resp: 80489

Ion Ratio Lower Upper

43 100

58 33.3 24.9 37.3





#17

Carbon Disulfide

Concen: 19.61 ug/l

RT: 4.36 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

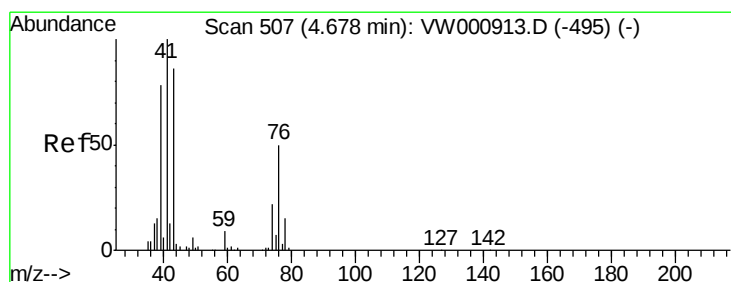
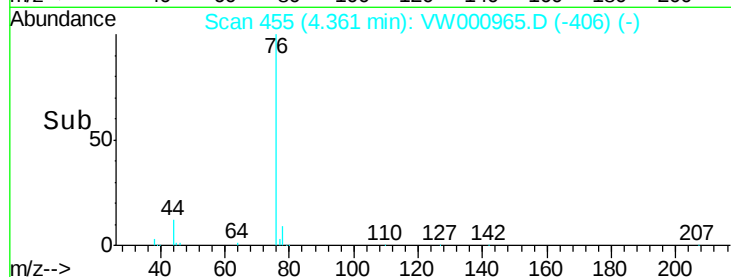
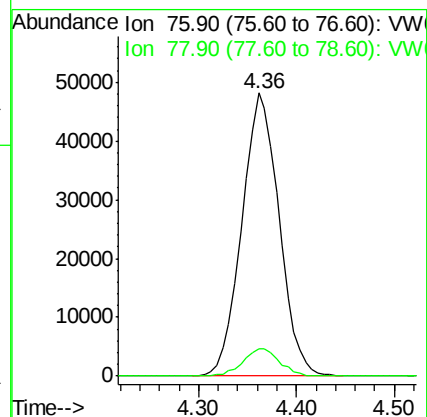
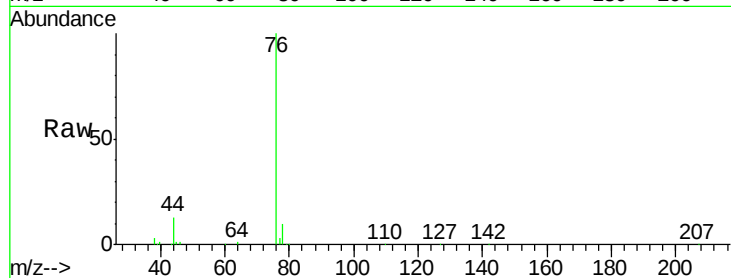
VW0124SBS02

Tgt Ion: 76 Resp: 127563

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



#18

Methyl Acetate

Concen: 21.06 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: VW000965.D

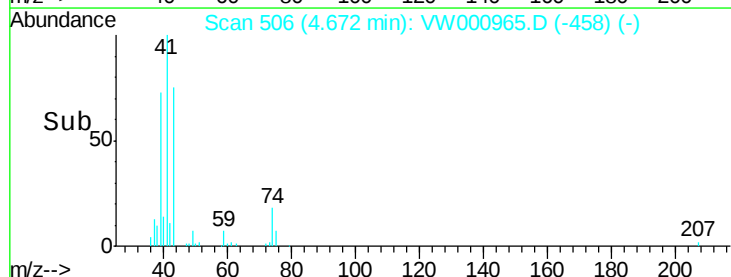
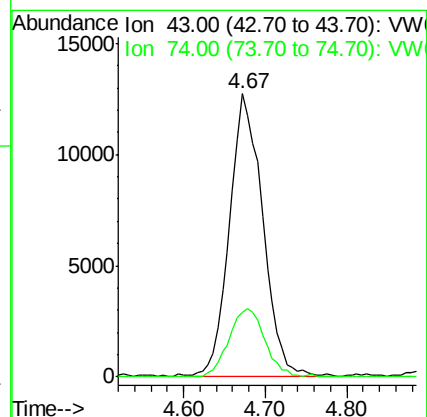
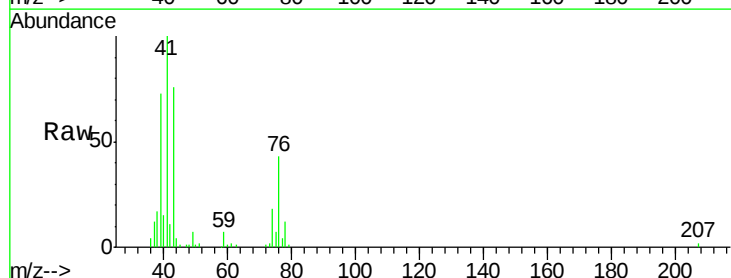
Acq: 24 Jan 2018 23:10

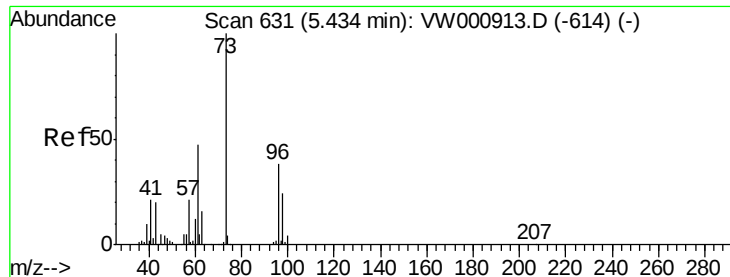
Tgt Ion: 43 Resp: 36091

Ion Ratio Lower Upper

43 100

74 25.7 20.5 30.7

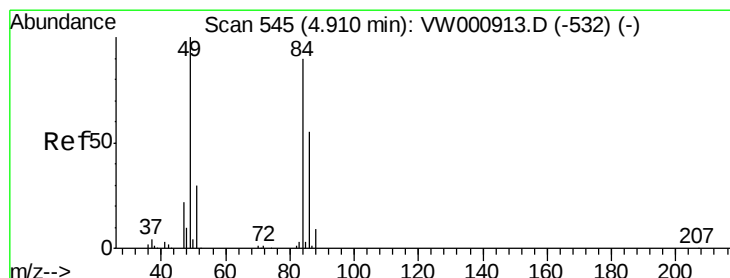
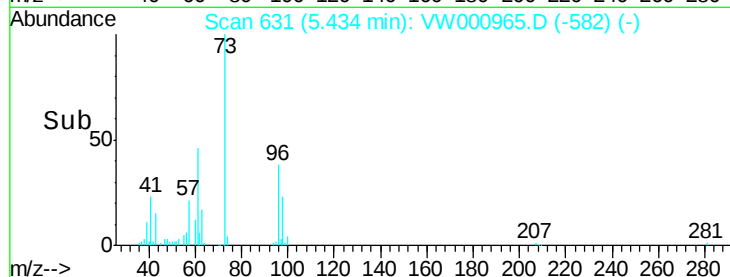
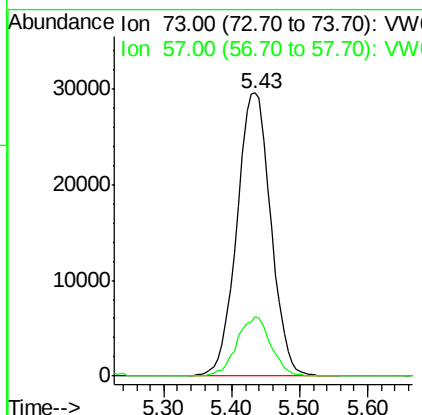
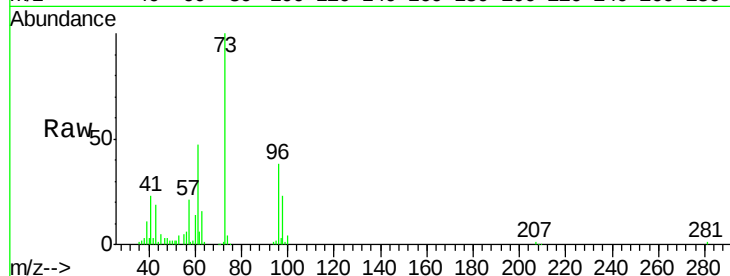




#19
Methyl tert-butyl Ether
Concen: 20.24 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

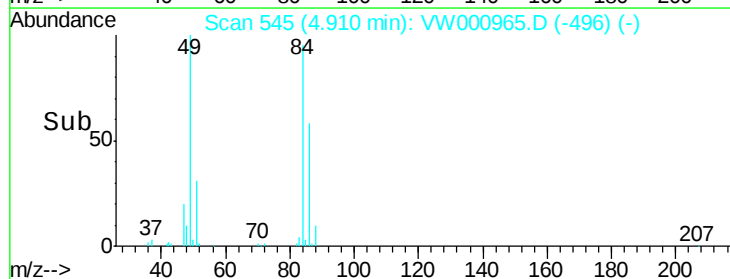
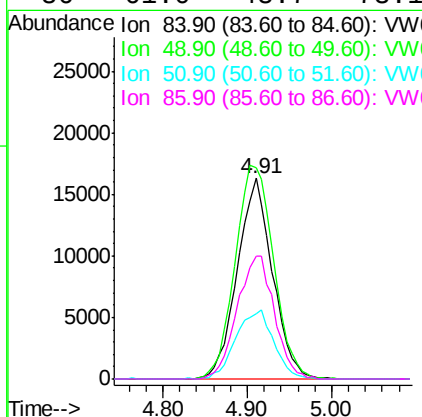
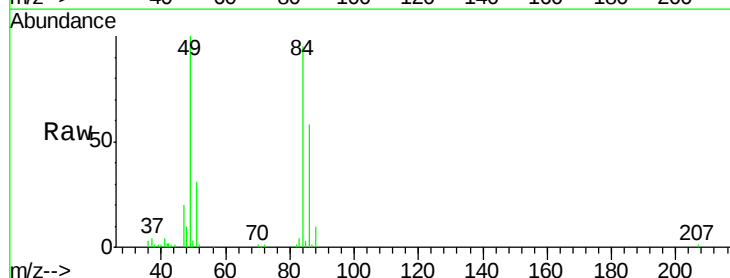
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

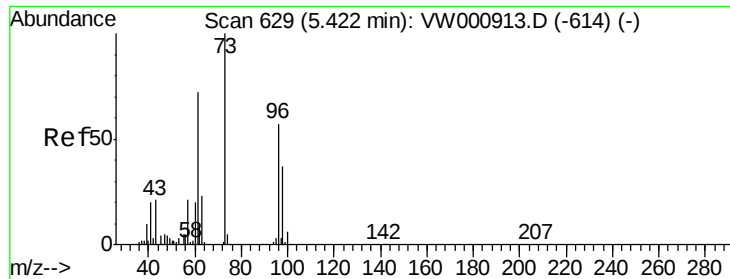
Tgt Ion: 73 Resp: 102428
Ion Ratio Lower Upper
73 100
57 20.8 16.7 25.1



#20
Methylene Chloride
Concen: 20.16 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 84 Resp: 46069
Ion Ratio Lower Upper
84 100
49 105.6 89.0 133.4
51 32.8 26.7 40.1
86 61.0 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampled :

VW0124SBS02

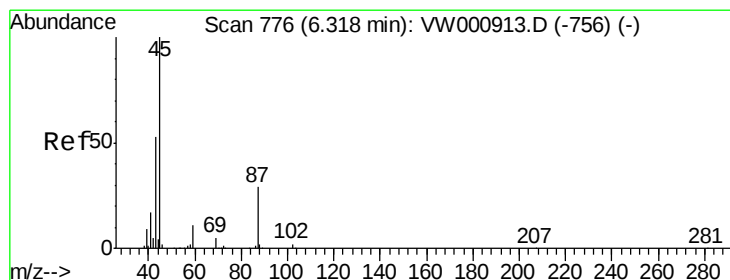
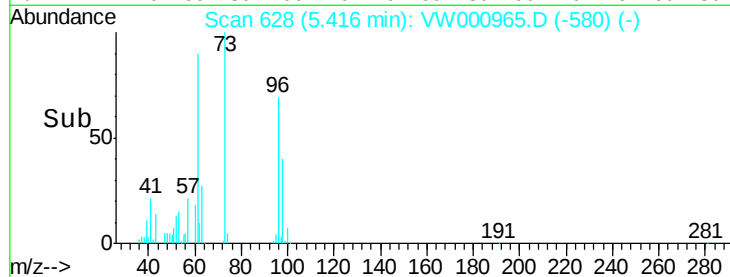
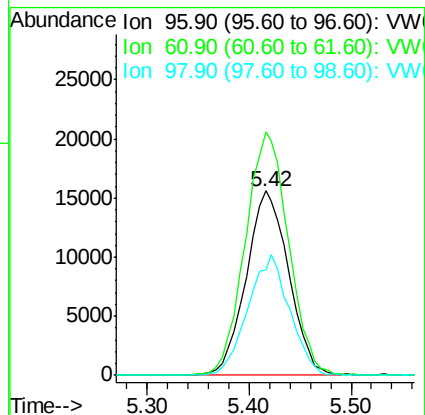
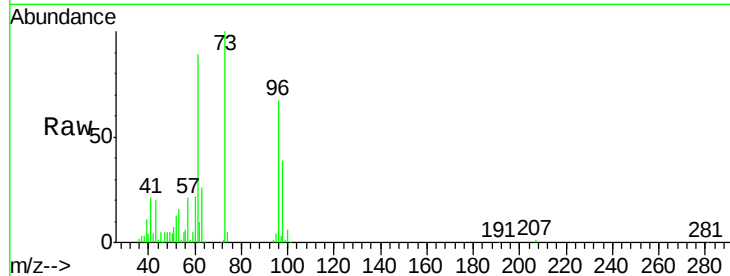
Tgt Ion: 96 Resp: 45185

Ion Ratio Lower Upper

96 100

61 131.8 101.1 151.7

98 57.4 52.2 78.2



#22

Diisopropyl ether

Concen: 20.60 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion: 45 Resp: 113186

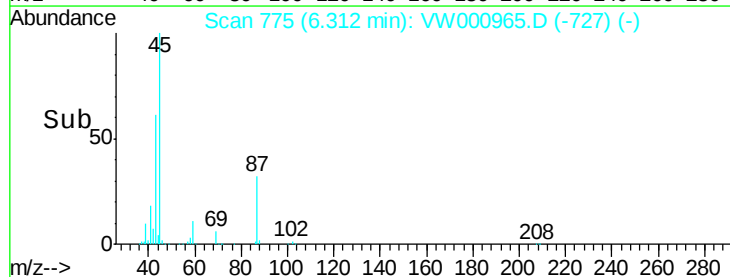
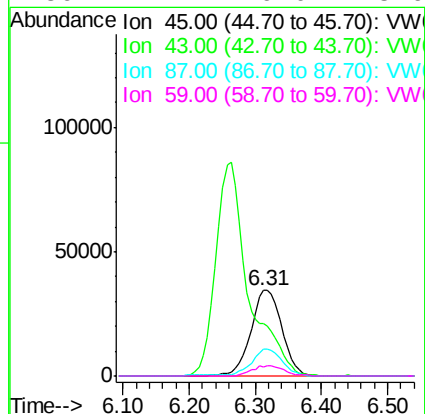
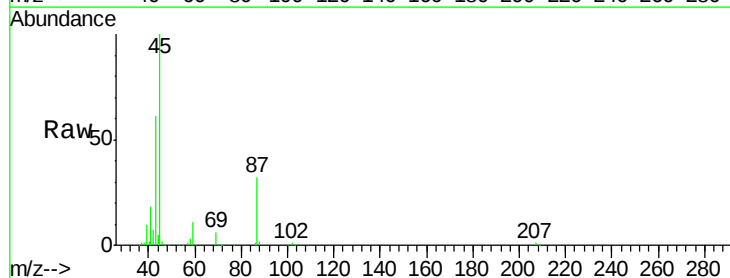
Ion Ratio Lower Upper

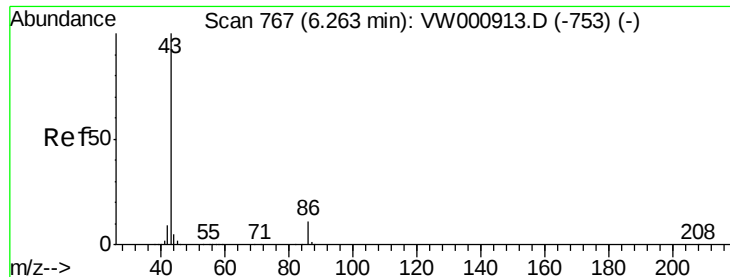
45 100

43 60.2 42.7 64.1

87 31.8 23.8 35.8

59 11.2 9.0 13.6

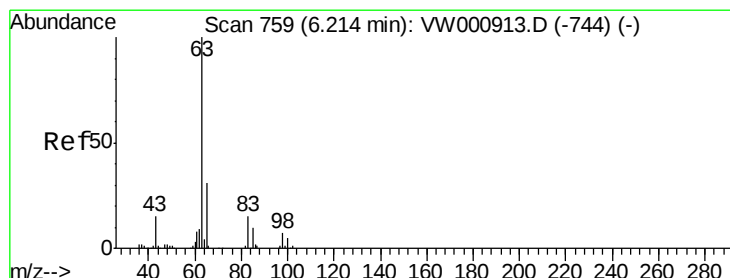
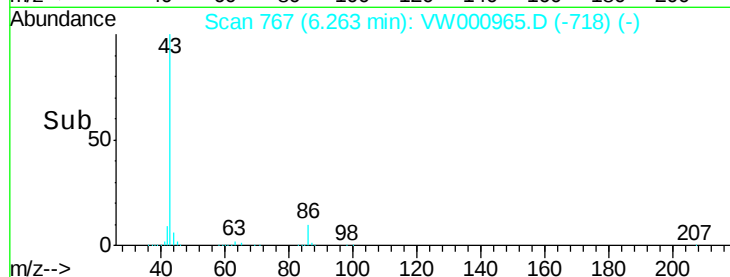
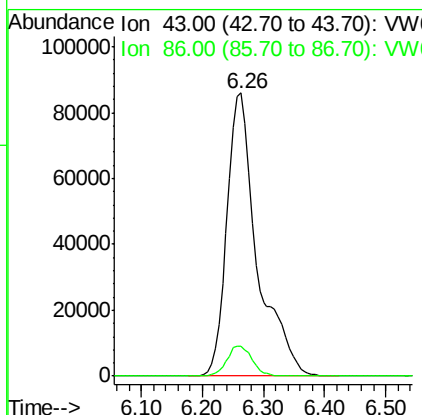
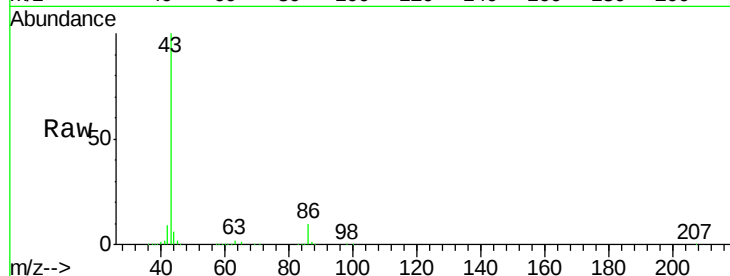




#23
 Vinyl Acetate
 Concen: 86.45 ug/l
 RT: 6.26 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

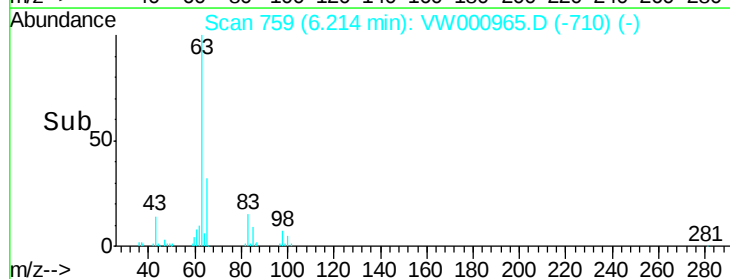
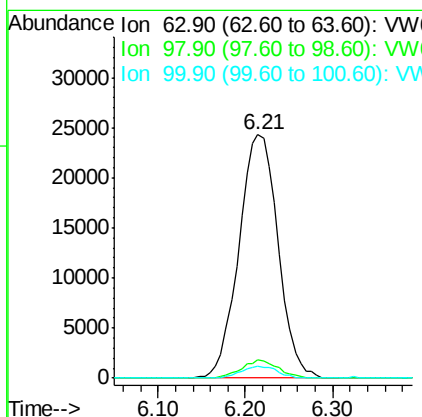
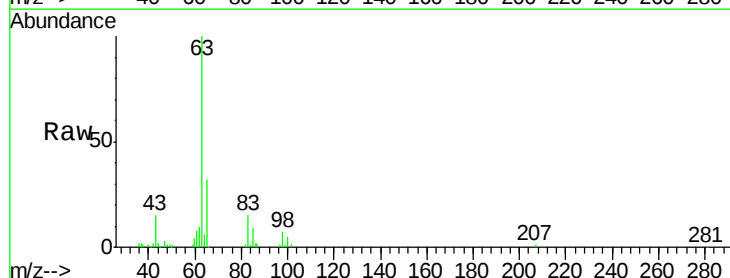
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

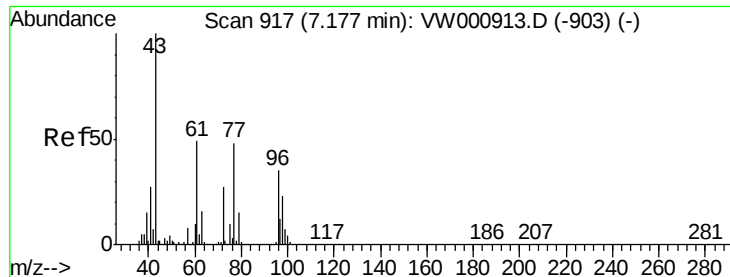
Tgt Ion: 43 Resp: 295158
 Ion Ratio Lower Upper
 43 100
 86 10.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 20.50 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 63 Resp: 75410
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.8
 100 4.8 2.5 7.4





#25

2-Butanone

Concen: 103.94 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

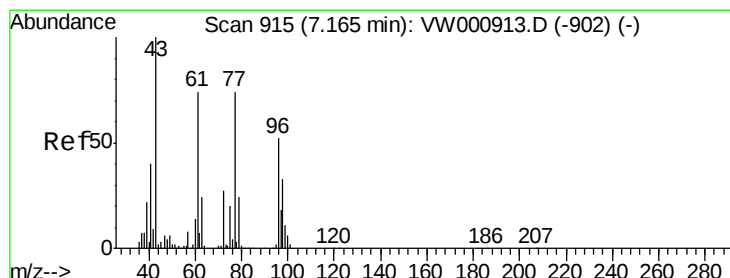
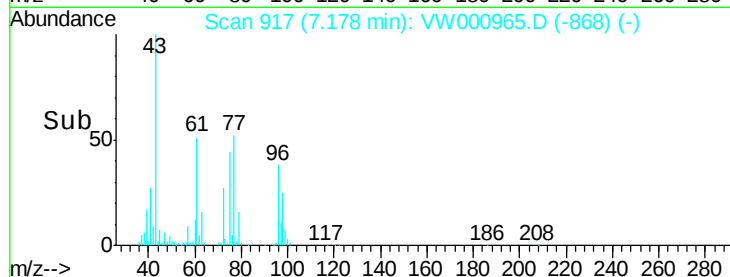
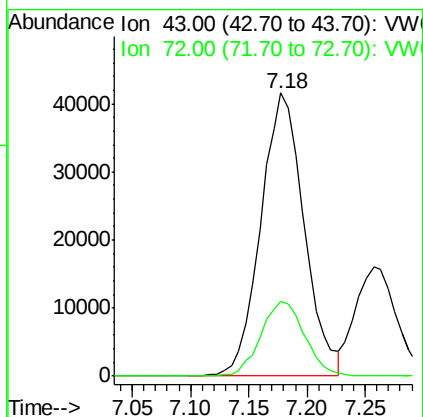
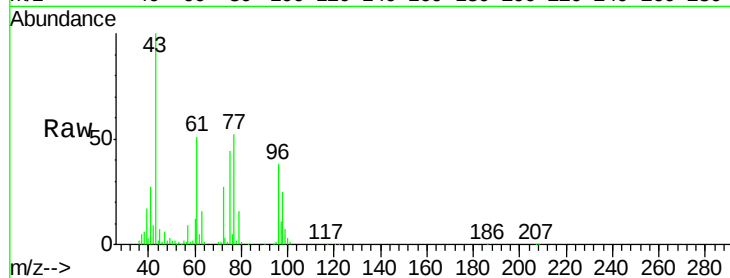
VW0124SBS02

Tgt Ion: 43 Resp: 107124

Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3



#26

2,2-Dichloropropane

Concen: 19.76 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW000965.D

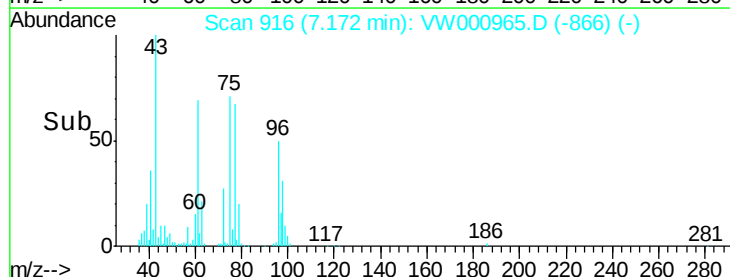
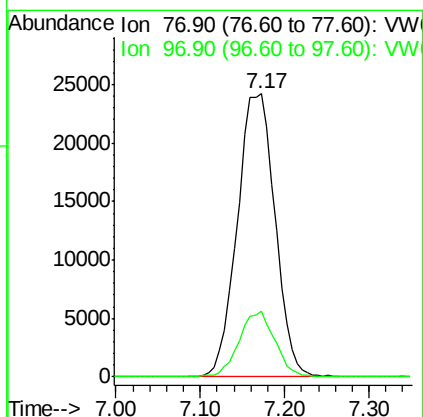
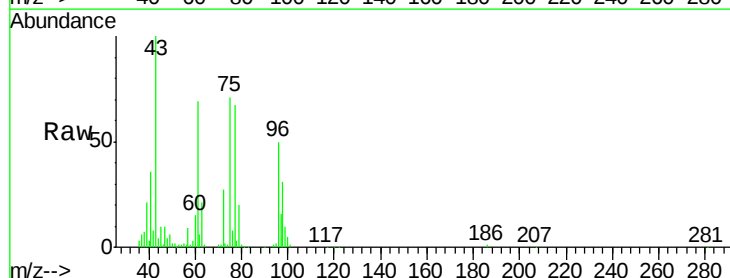
Acq: 24 Jan 2018 23:10

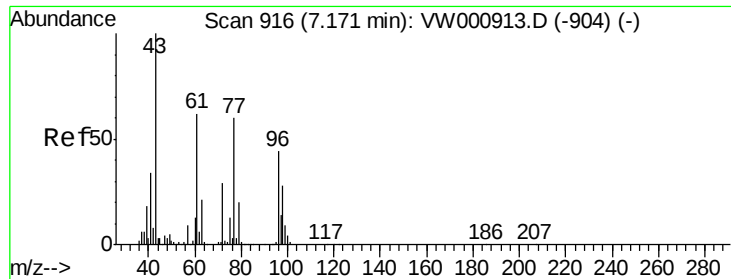
Tgt Ion: 77 Resp: 73556

Ion Ratio Lower Upper

77 100

97 21.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.15 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

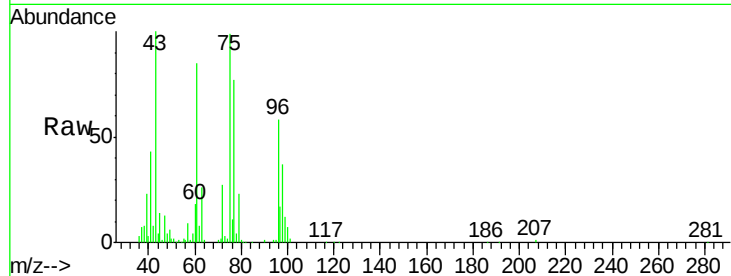
Tgt Ion: 96 Resp: 47647

Ion Ratio Lower Upper

96 100

61 144.6 0.0 279.8

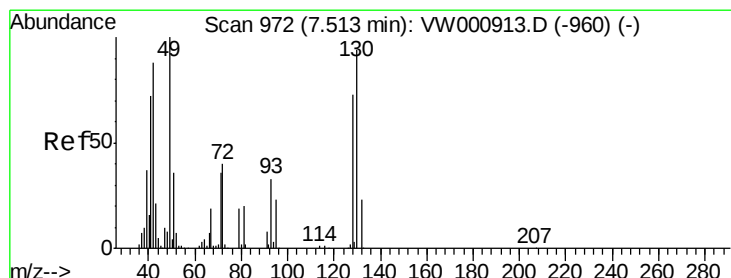
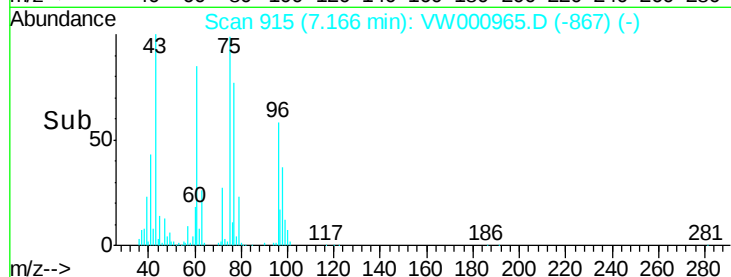
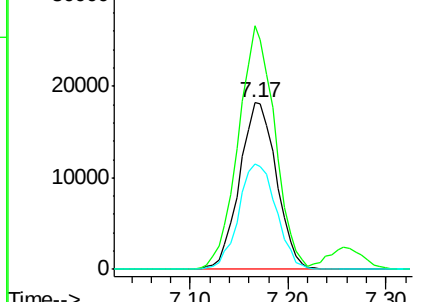
98 64.5 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 19.54 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

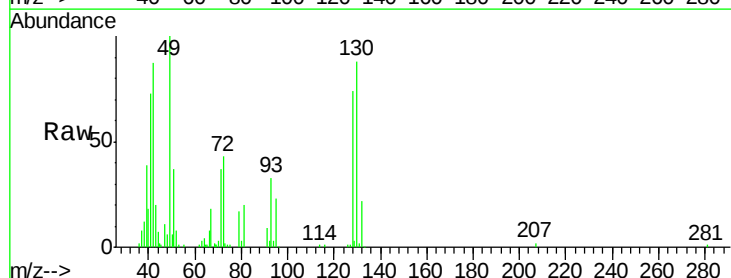
Tgt Ion: 49 Resp: 30182

Ion Ratio Lower Upper

49 100

129 2.5 0.0 2.8

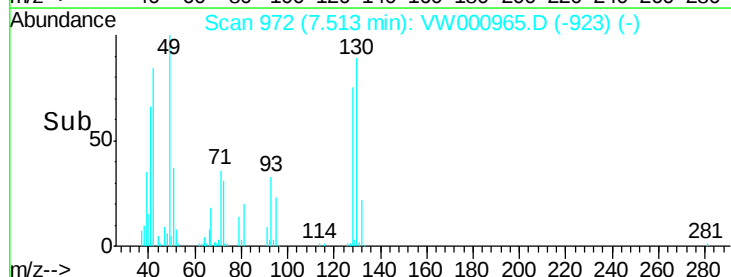
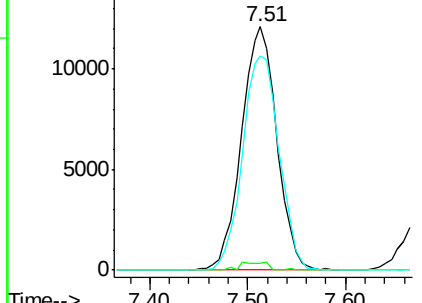
130 91.2 73.8 110.6

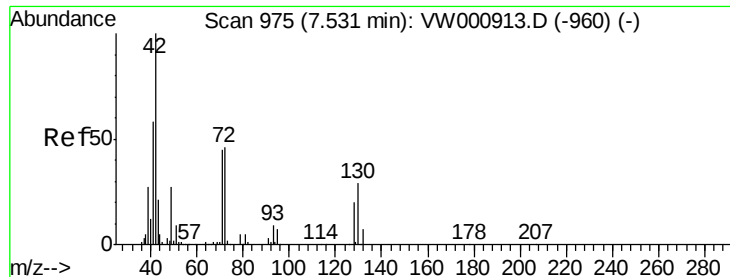


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 110.97 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

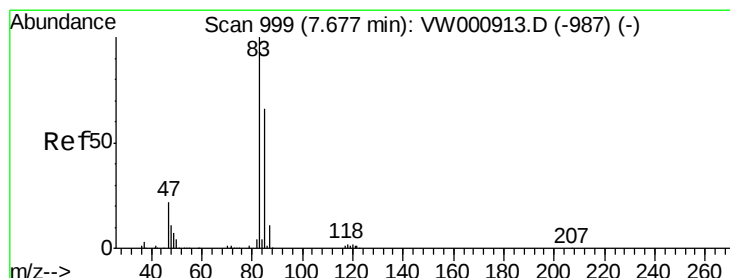
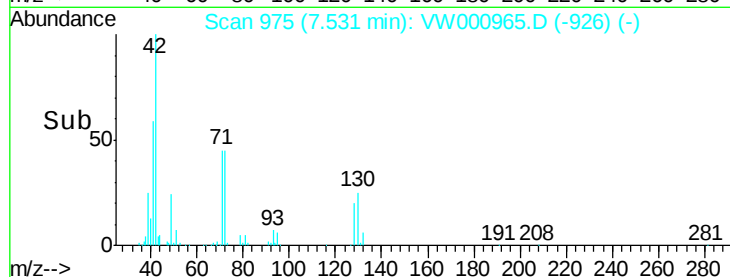
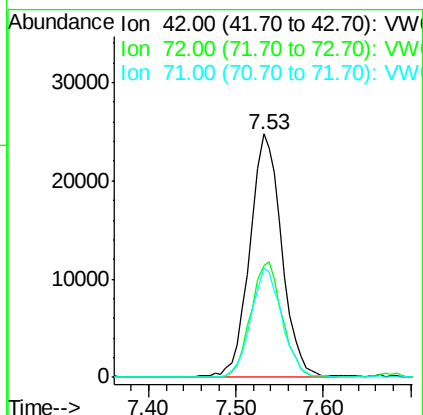
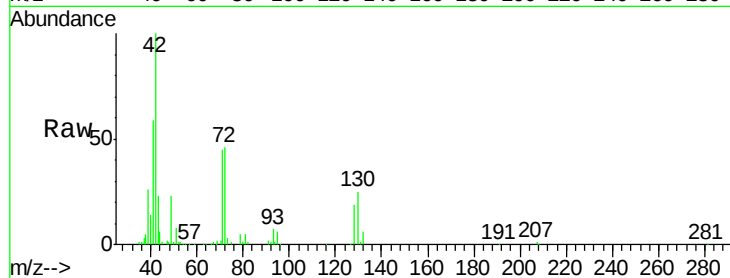
Tgt Ion: 42 Resp: 62926

Ion Ratio Lower Upper

42 100

72 46.4 37.1 55.7

71 43.7 34.9 52.3



#30

Chloroform

Concen: 20.00 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW000965.D

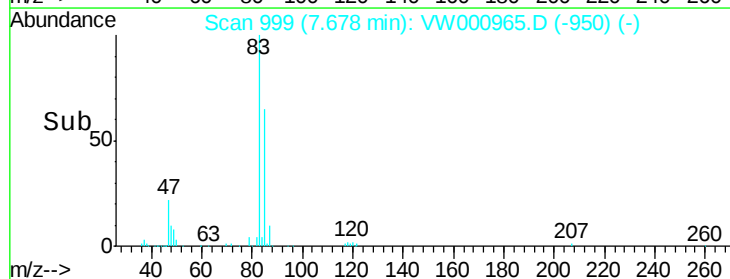
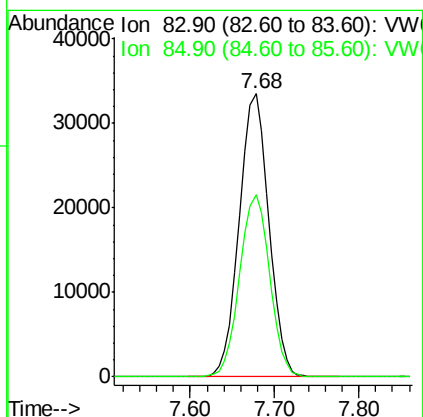
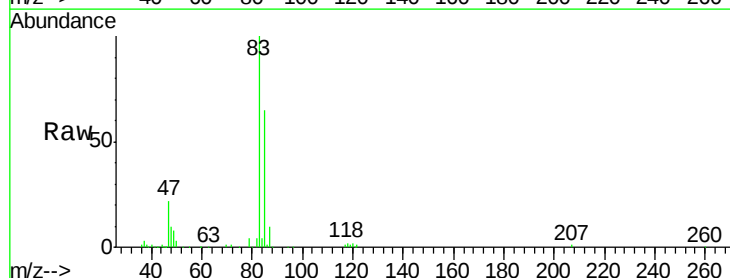
Acq: 24 Jan 2018 23:10

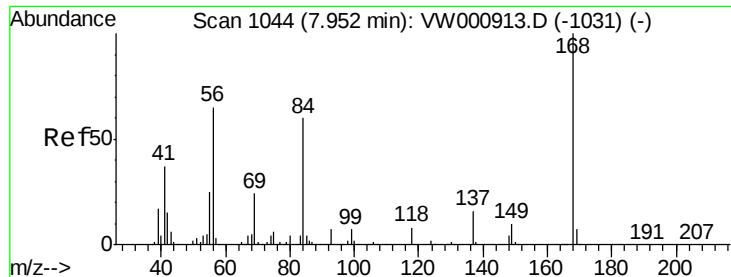
Tgt Ion: 83 Resp: 79354

Ion Ratio Lower Upper

83 100

85 64.5 52.5 78.7

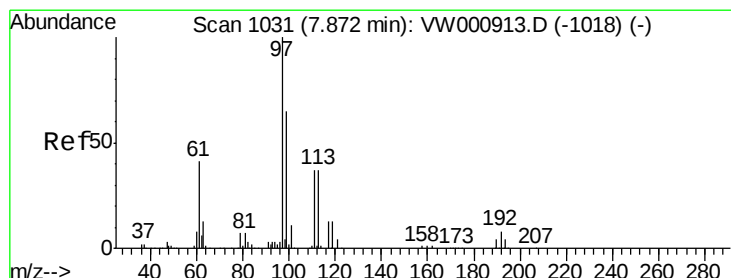
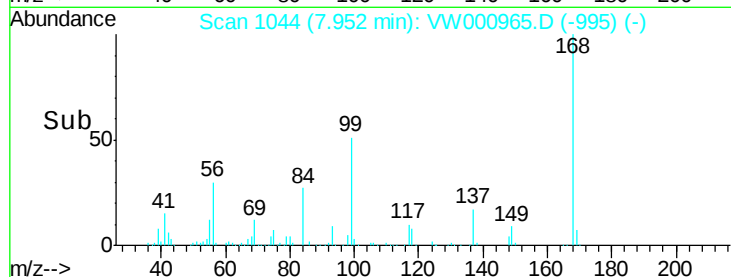
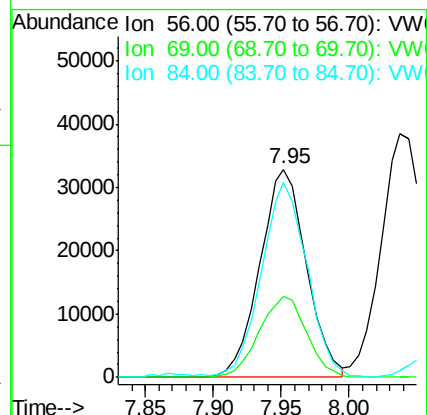
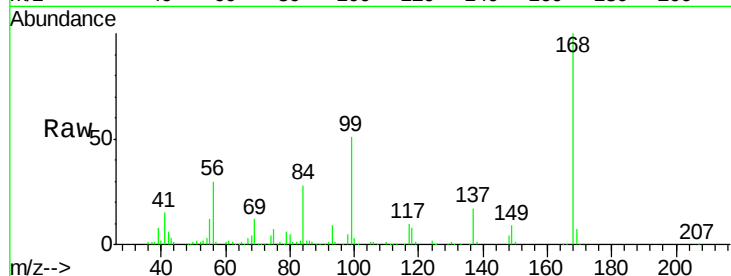




#31
Cyclohexane
Concen: 20.68 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

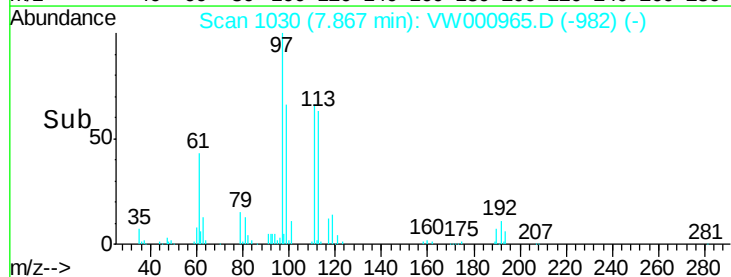
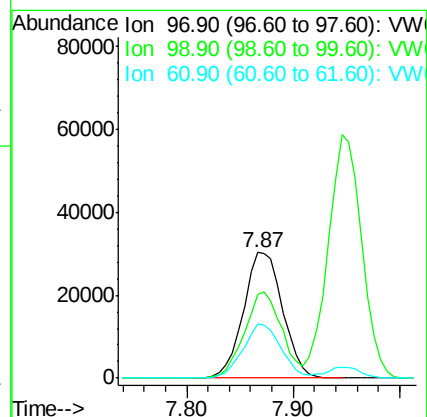
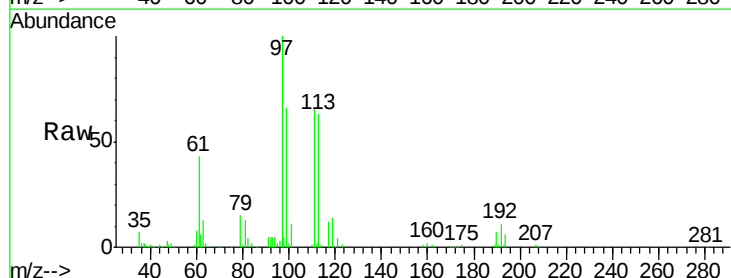
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

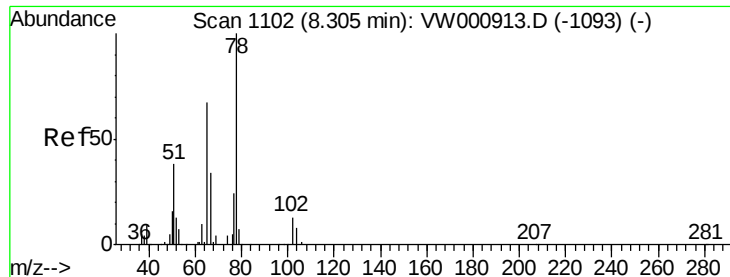
Tgt Ion: 56 Resp: 78521
Ion Ratio Lower Upper
56 100
69 39.3 29.2 43.8
84 92.7 73.6 110.4



#32
1,1,1-Trichloroethane
Concen: 20.47 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 97 Resp: 78488
Ion Ratio Lower Upper
97 100
99 65.7 52.6 78.8
61 41.5 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 47.15 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

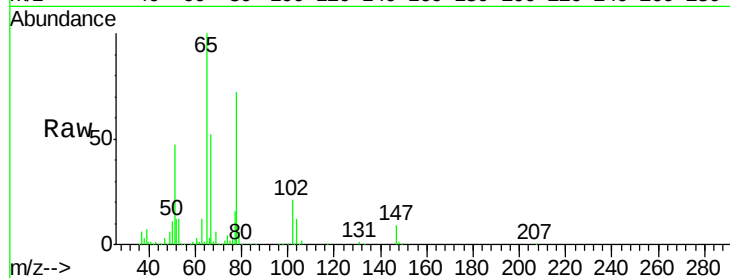
VW0124SBS02

Tgt Ion: 65 Resp: 109837

Ion Ratio Lower Upper

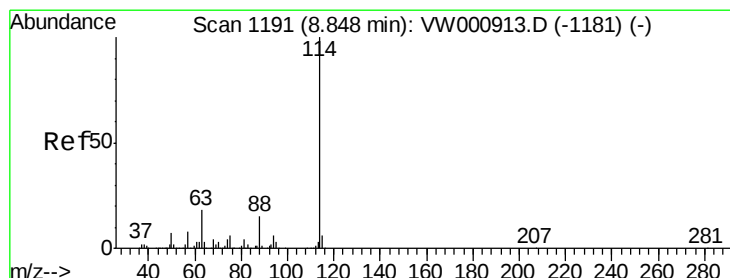
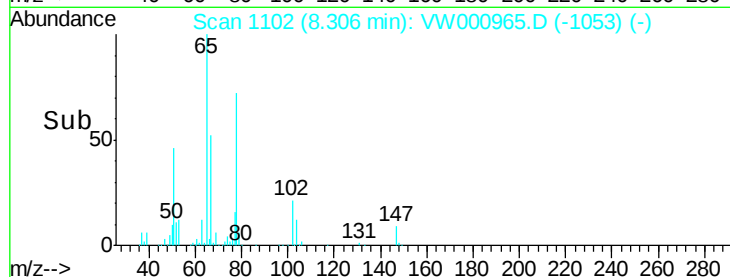
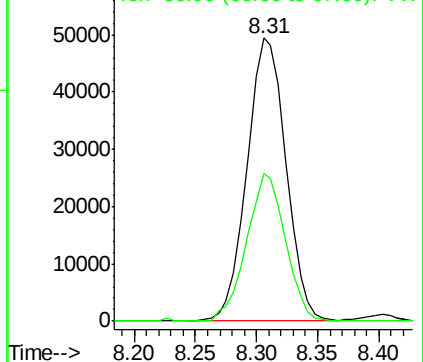
65 100

67 51.9 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: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

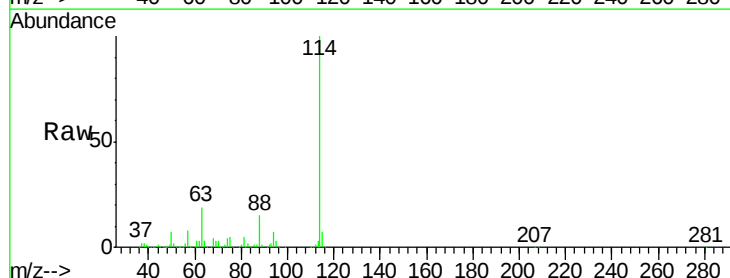
Tgt Ion: 114 Resp: 332589

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

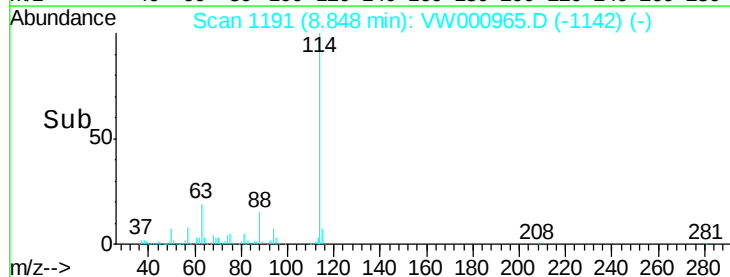
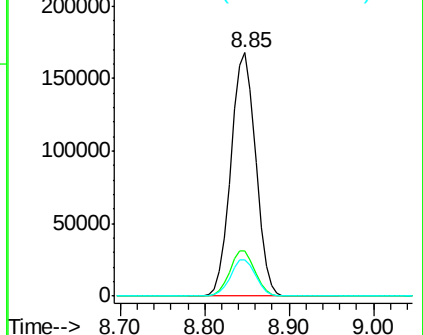
88 15.0 0.0 29.8

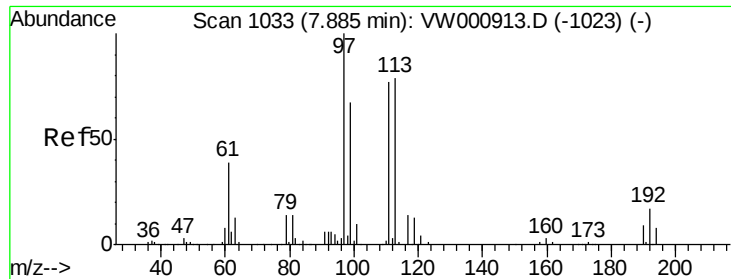


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

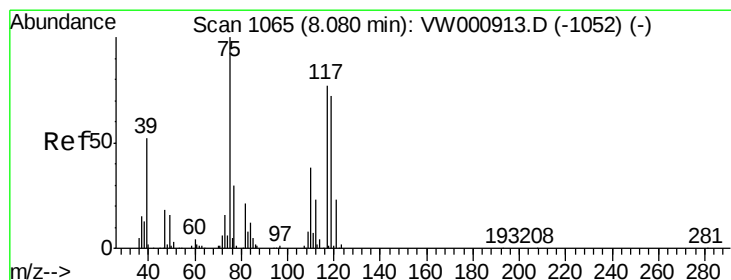
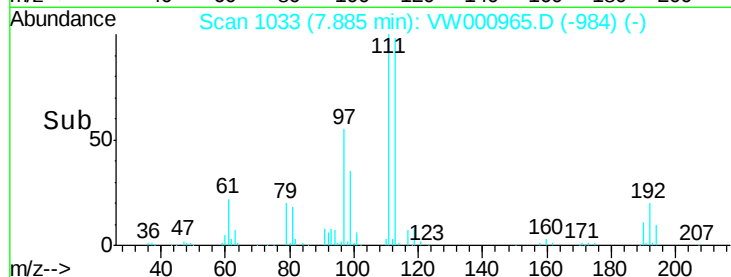
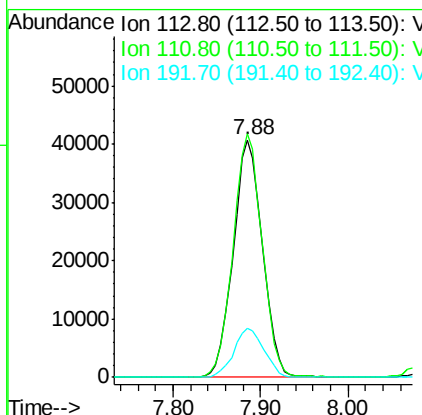
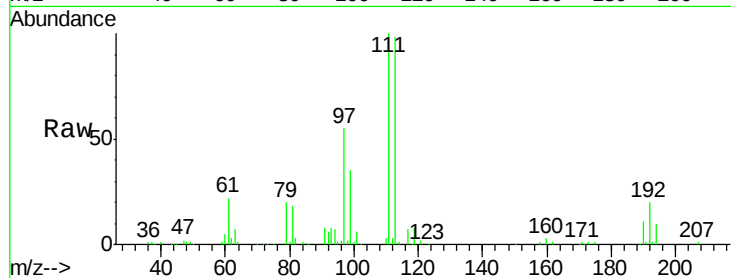




#35
 Dibromofluoromethane
 Concen: 46.46 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

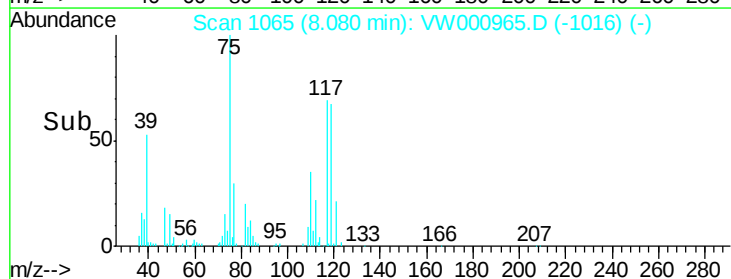
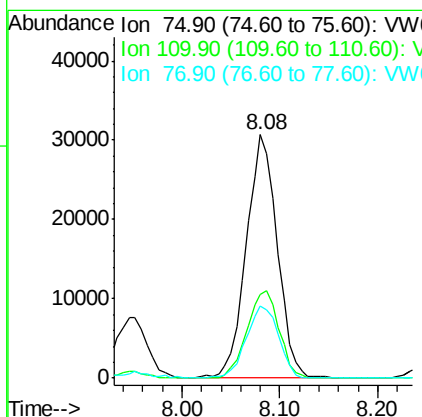
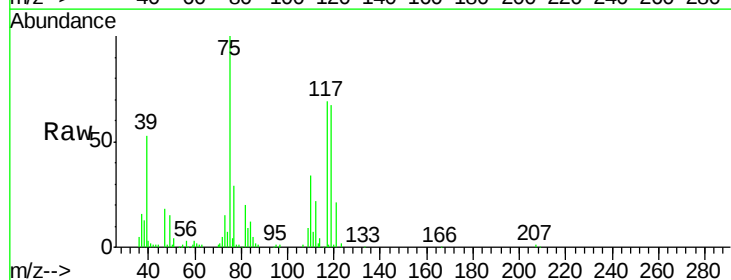
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

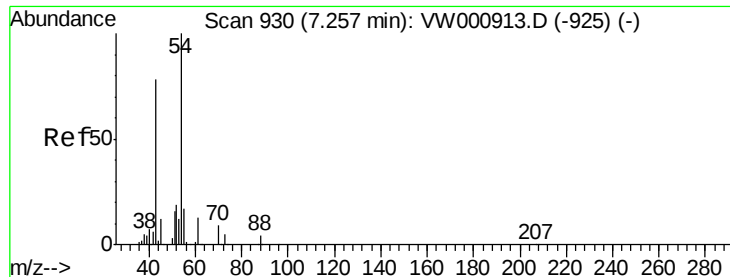
Tgt Ion:113 Resp: 94667
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.4 120.6
 192 21.3 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 21.23 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 75 Resp: 67366
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.6 56.0
 77 31.3 24.6 36.8

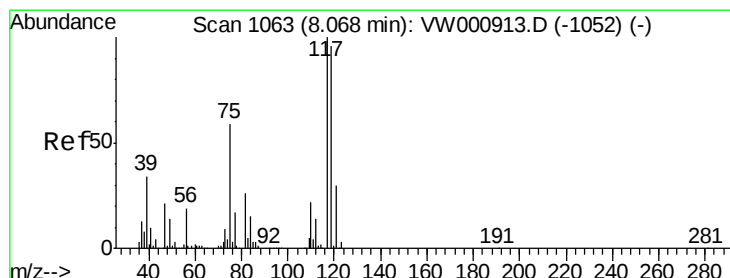
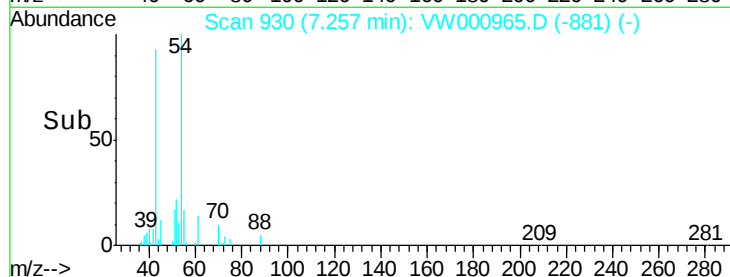
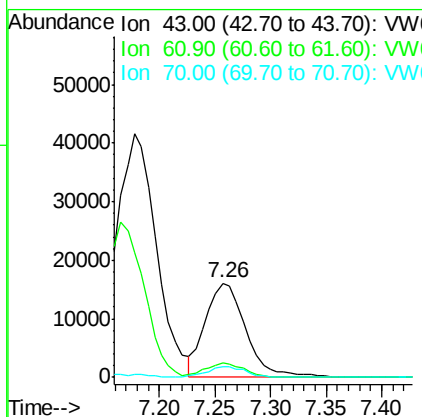
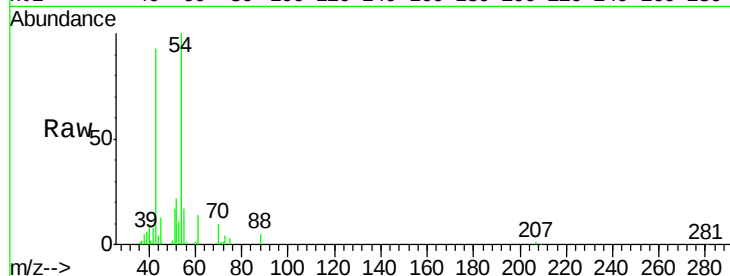




#37
Ethyl Acetate
Concen: 22.45 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

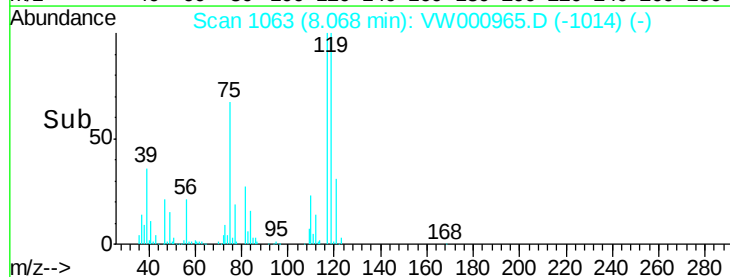
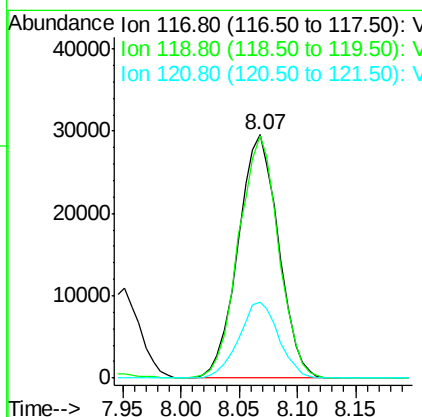
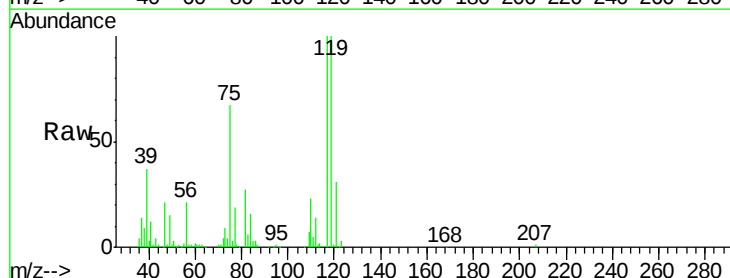
Instrument :
MSVOA_W
ClientSampled :
VW0124SBS02

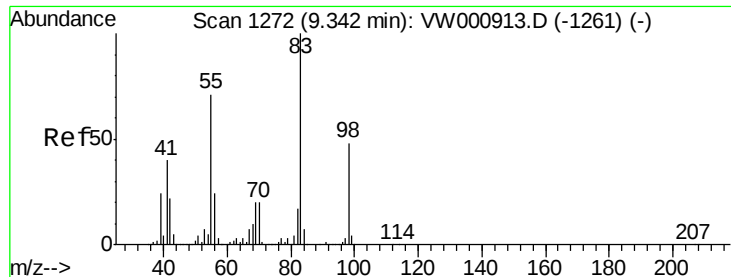
Tgt Ion: 43 Resp: 40218
Ion Ratio Lower Upper
43 100
61 15.1 12.1 18.1
70 11.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.39 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 117 Resp: 71386
Ion Ratio Lower Upper
117 100
119 99.5 76.5 114.7
121 31.2 24.3 36.5

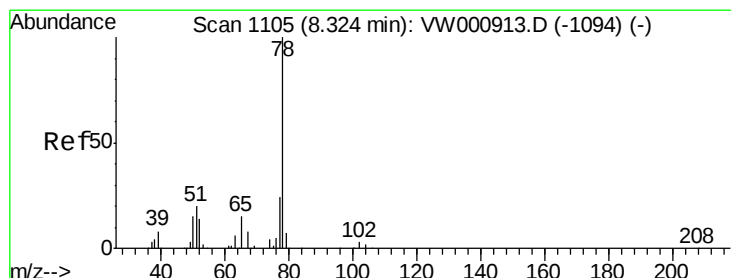
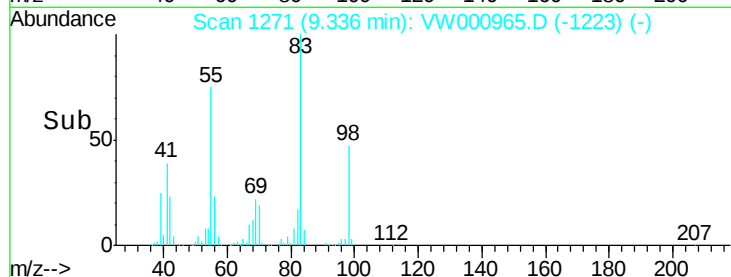
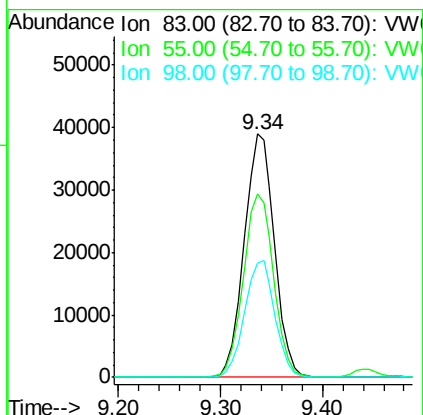
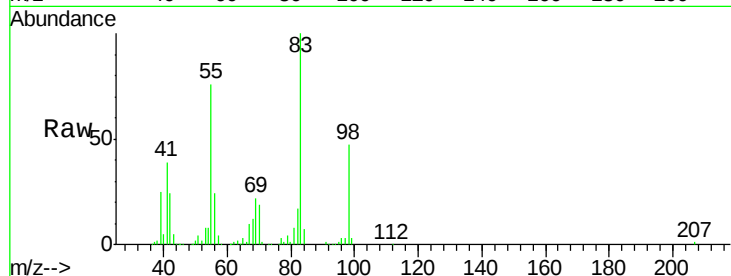




#39
Methylcyclohexane
Concen: 20.97 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

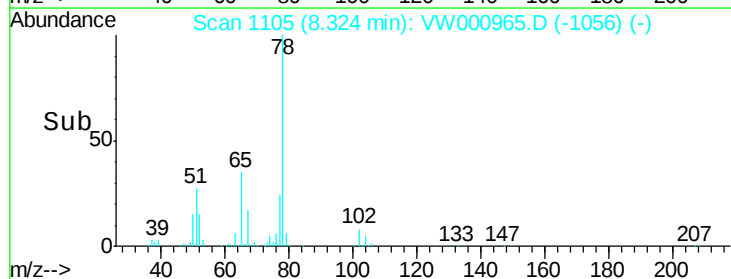
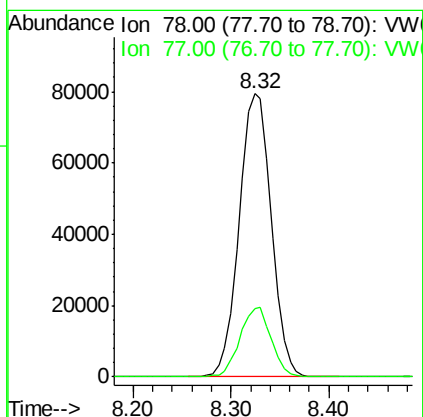
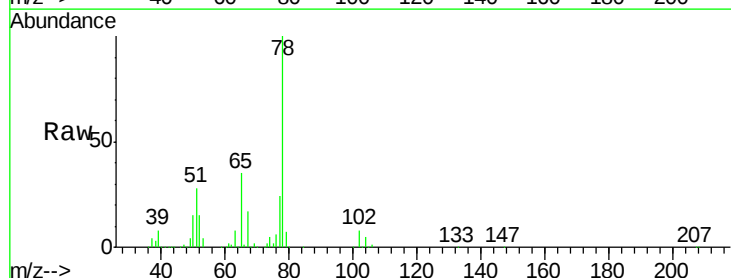
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

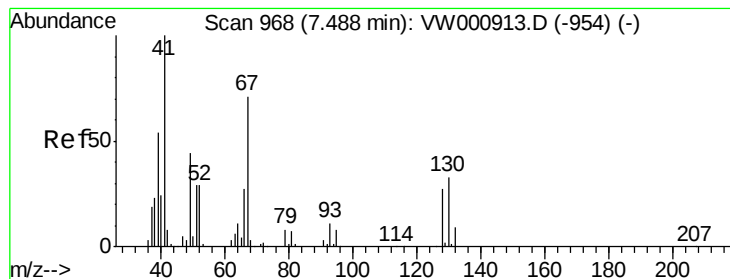
Tgt Ion: 83 Resp: 80143
Ion Ratio Lower Upper
83 100
55 75.6 56.4 84.6
98 46.9 38.2 57.4



#40
Benzene
Concen: 20.93 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 78 Resp: 180626
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6





#41

Methacrylonitrile

Concen: 19.62 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tgt Ion: 41 Resp: 19727

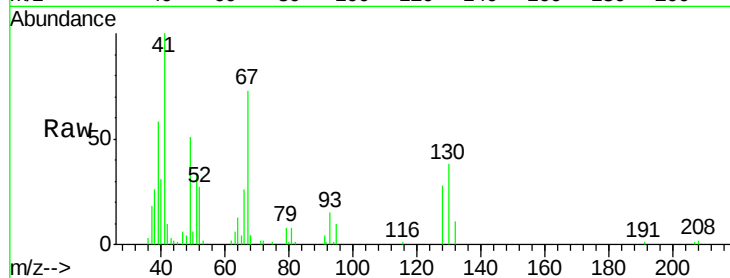
Ion Ratio Lower Upper

41 100

39 64.5 43.4 65.0

67 83.9 59.0 88.4

52 33.8 24.6 36.8

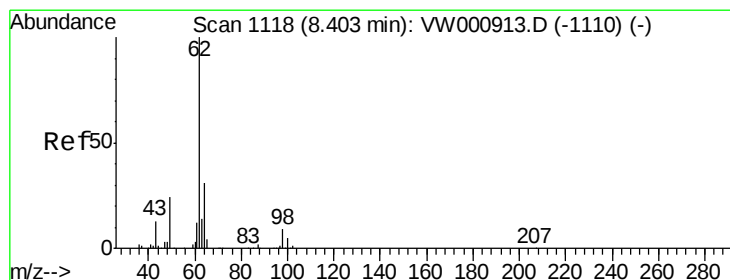
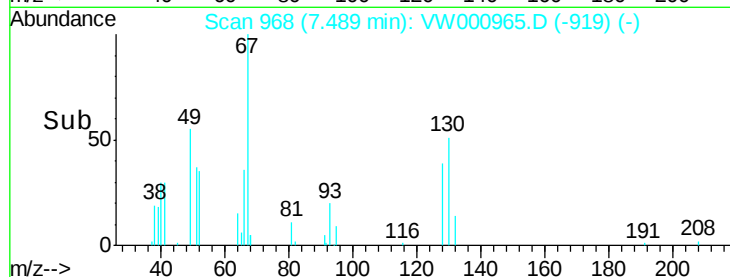
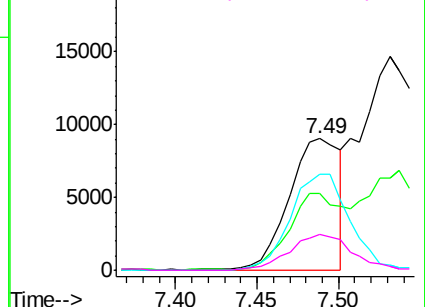


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 20.51 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW000965.D

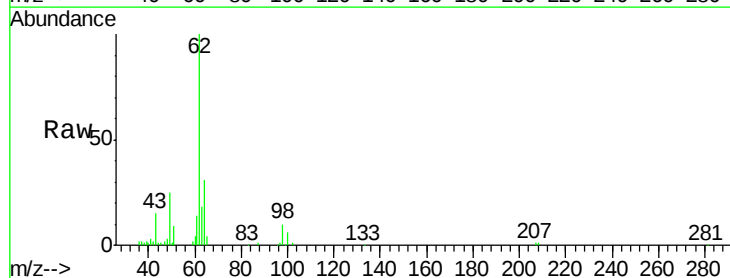
Acq: 24 Jan 2018 23:10

Tgt Ion: 62 Resp: 54523

Ion Ratio Lower Upper

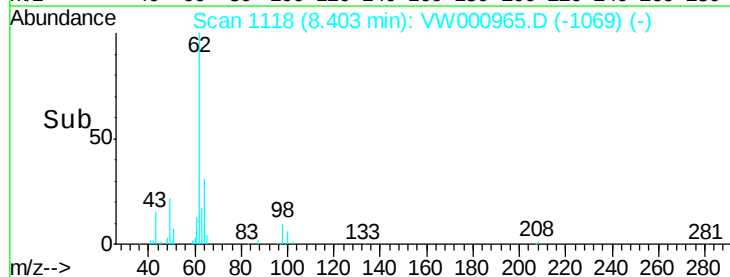
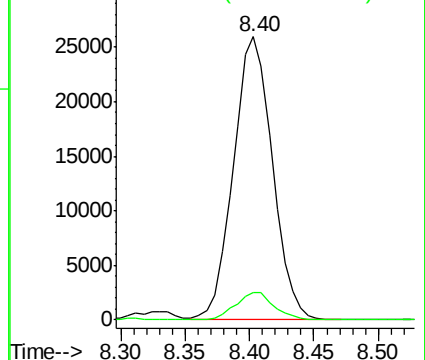
62 100

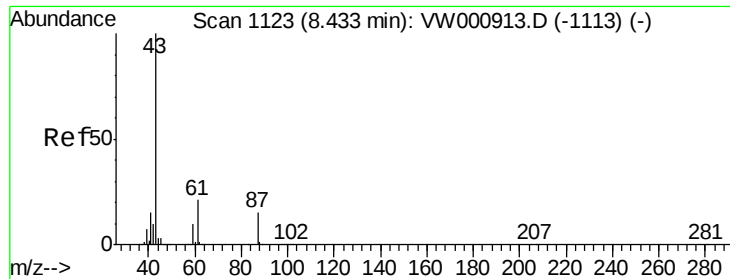
98 9.6 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.16 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

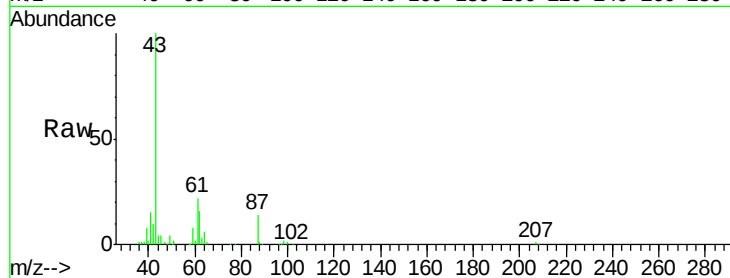
Tgt Ion: 43 Resp: 64268

Ion Ratio Lower Upper

43 100

61 29.3 23.6 35.4

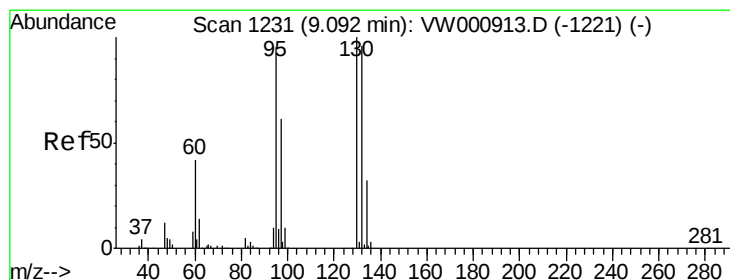
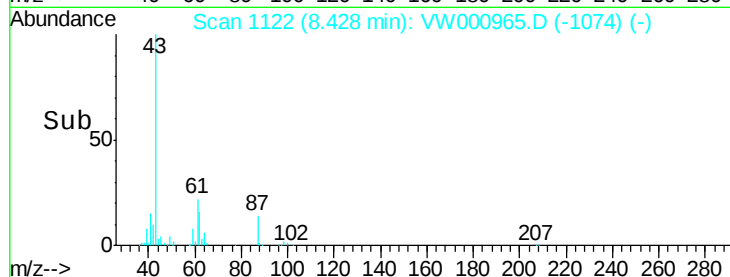
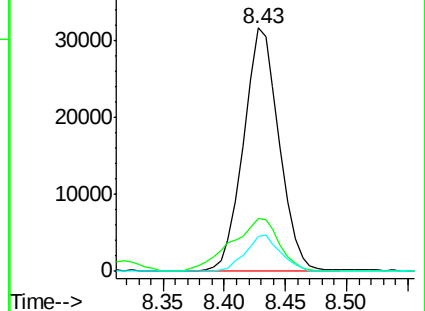
87 14.4 11.7 17.5



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: 21.01 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW000965.D

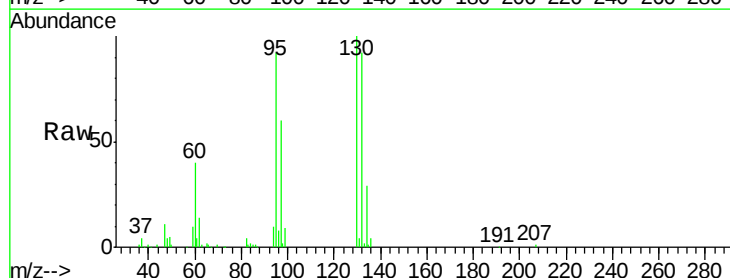
Acq: 24 Jan 2018 23:10

Tgt Ion: 130 Resp: 53857

Ion Ratio Lower Upper

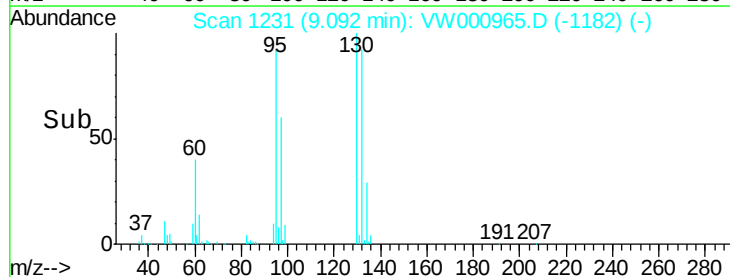
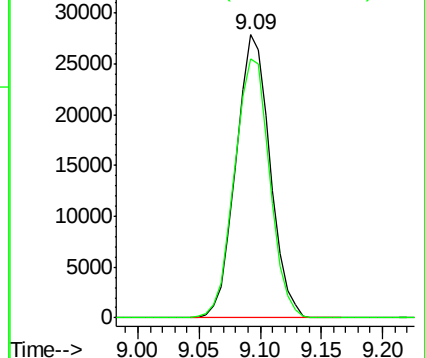
130 100

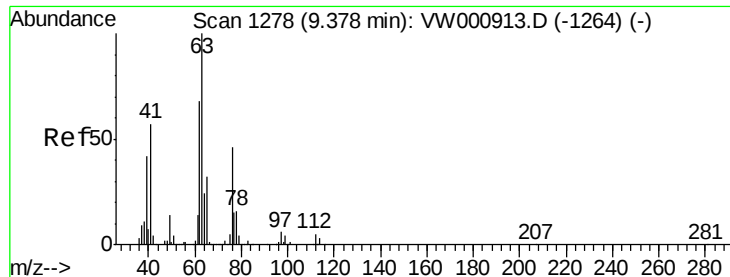
95 91.7 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

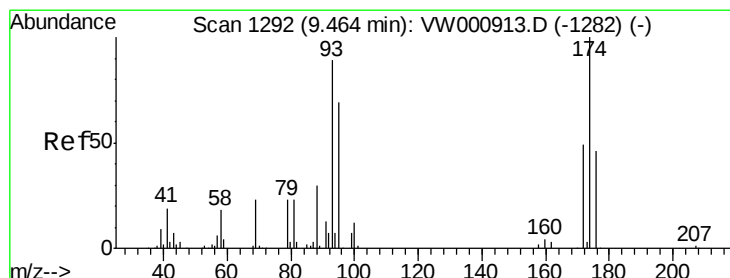
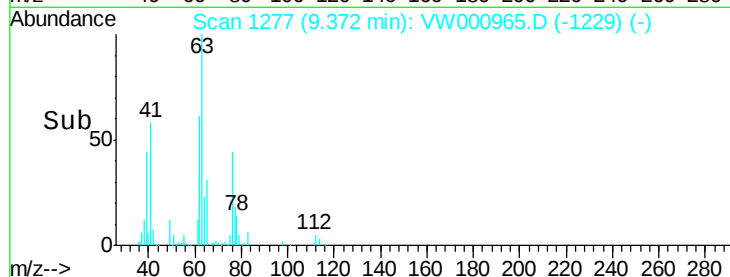
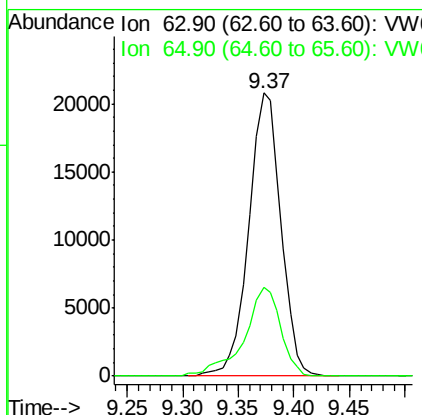
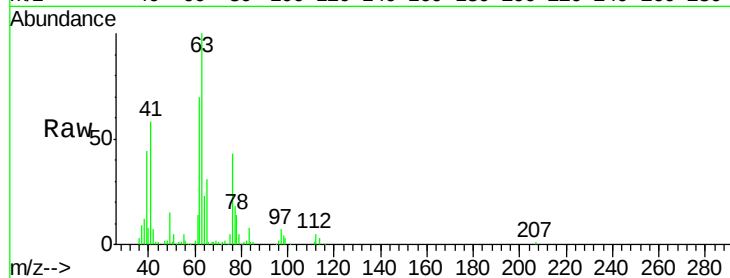




#45
 1,2-Dichloropropane
 Concen: 20.76 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

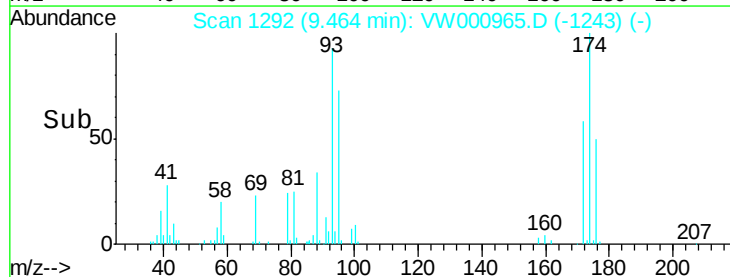
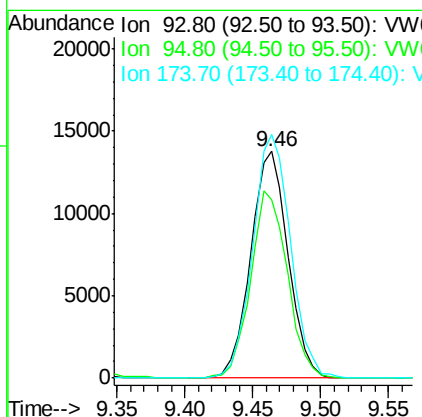
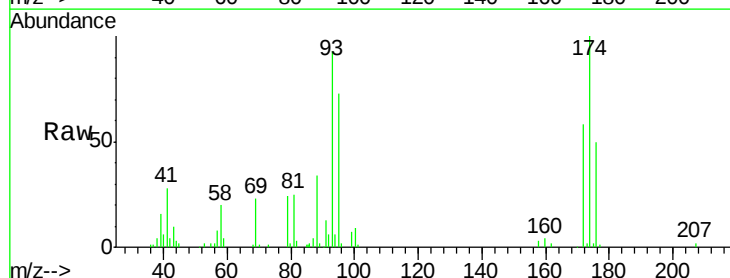
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

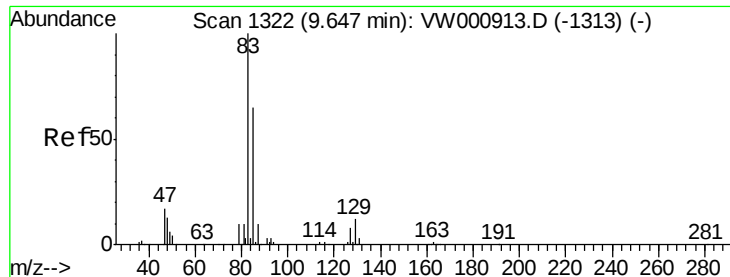
Tgt Ion: 63 Resp: 41799
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.2 37.8



#46
 Dibromomethane
 Concen: 20.56 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 93 Resp: 26445
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.8 98.6
 174 109.1 89.0 133.6

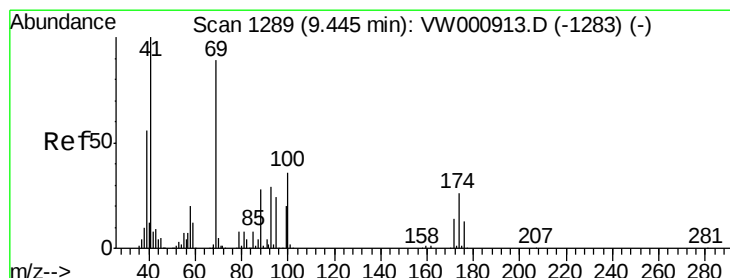
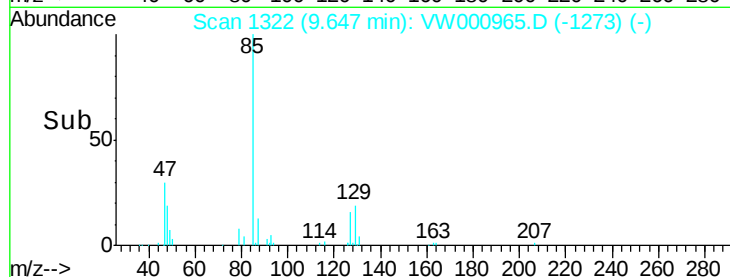
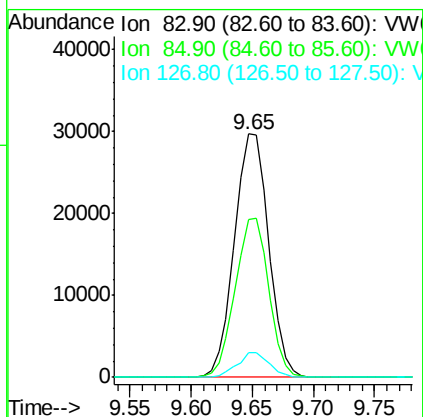
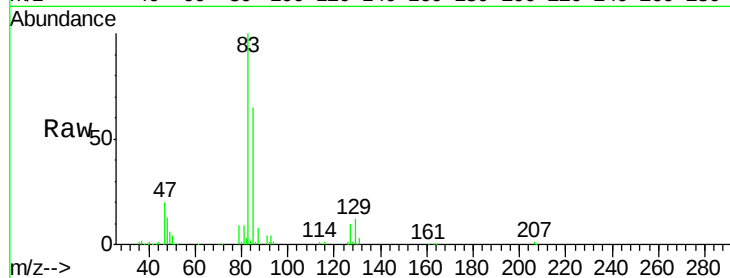




#47
 Bromodichloromethane
 Concen: 20.31 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

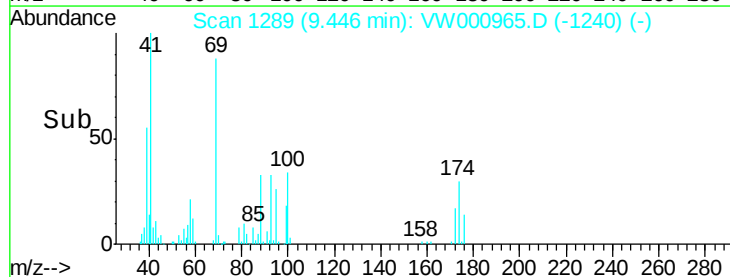
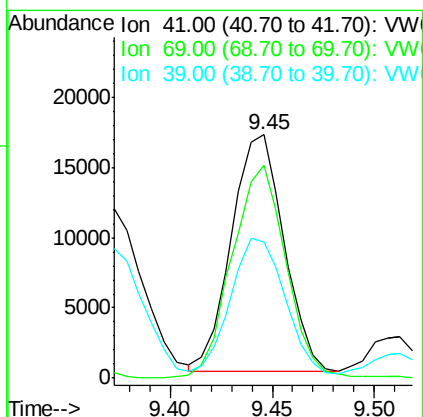
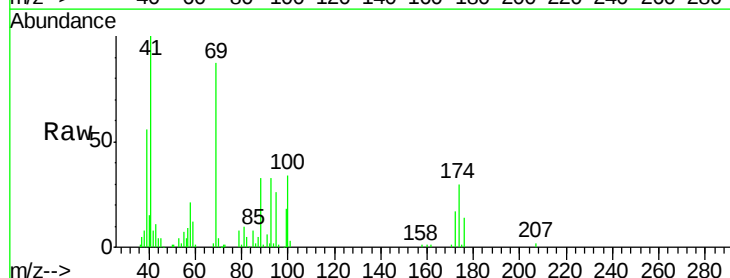
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

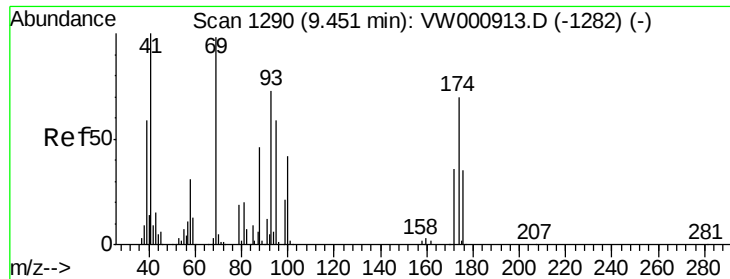
Tgt Ion: 83 Resp: 57768
 Ion Ratio Lower Upper
 83 100
 85 65.0 52.0 78.0
 127 10.3 6.8 10.2#



#48
 Methyl methacrylate
 Concen: 20.68 ug/l
 RT: 9.45 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 41 Resp: 30162
 Ion Ratio Lower Upper
 41 100
 69 93.0 72.9 109.3
 39 58.9 48.4 72.6

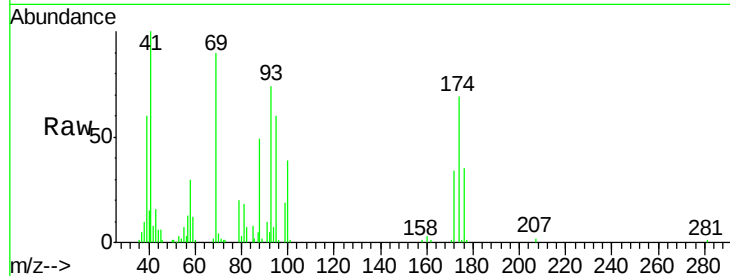




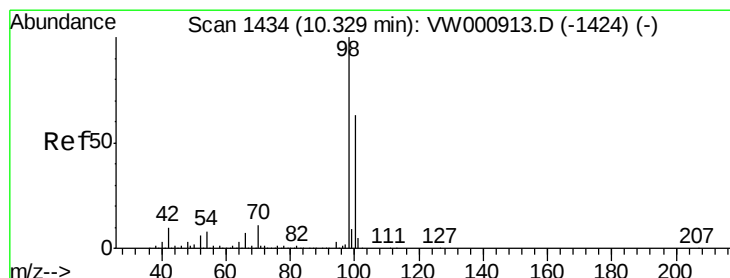
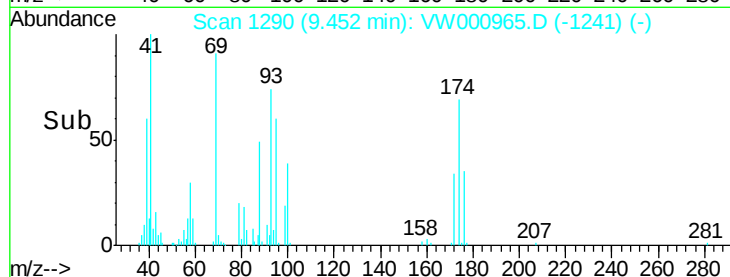
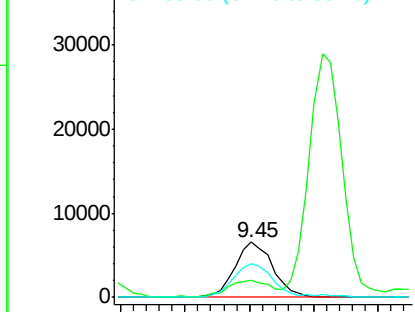
#49
1,4-Dioxane
Concen: 472.68 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tgt Ion: 88 Resp: 13288
Ion Ratio Lower Upper
88 100
43 35.7 24.5 36.7
58 65.2 54.7 82.1

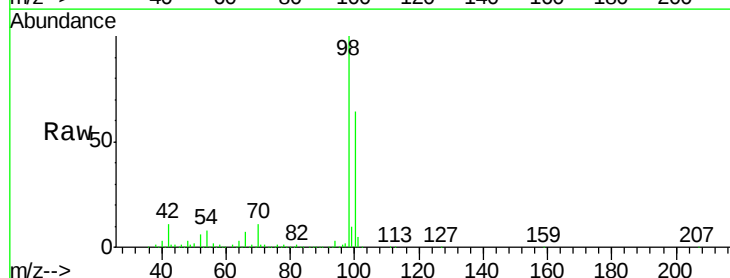


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

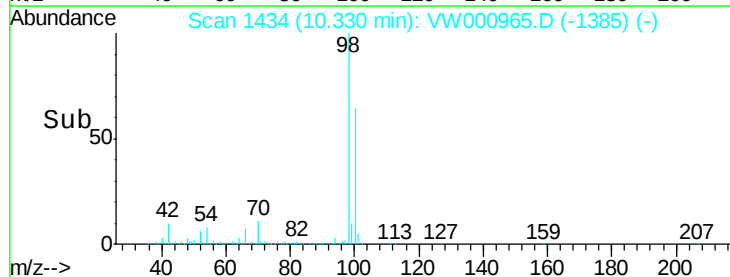
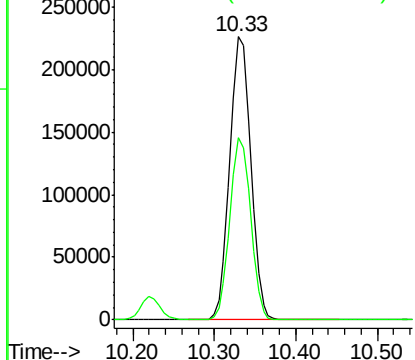


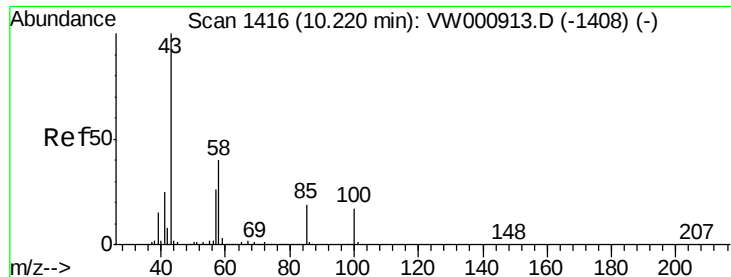
#50
Toluene-d8
Concen: 49.94 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 98 Resp: 401161
Ion Ratio Lower Upper
98 100
100 63.6 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 108.81 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

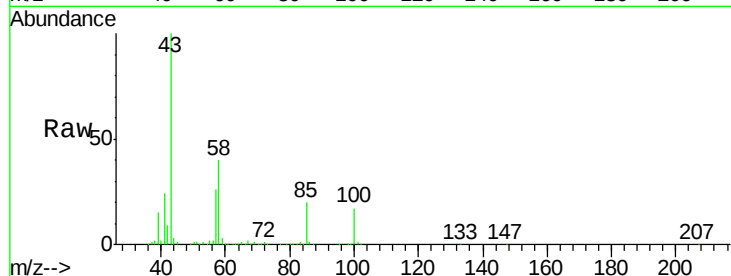
VW0124SBS02

Tgt Ion: 43 Resp: 190132

Ion Ratio Lower Upper

43 100

58 39.7 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.22

120000

100000

80000

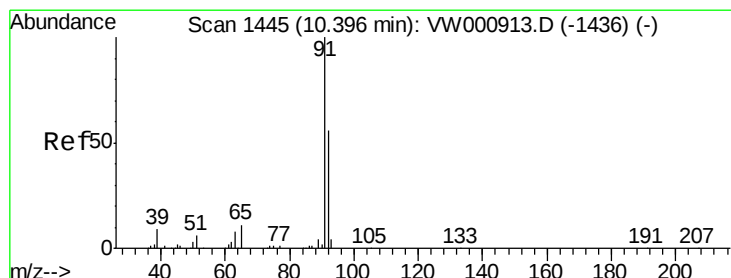
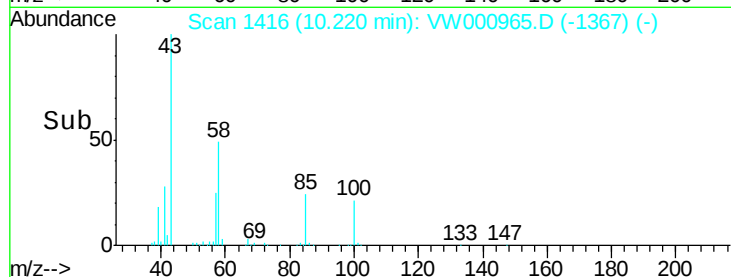
60000

40000

20000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 20.82 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000965.D

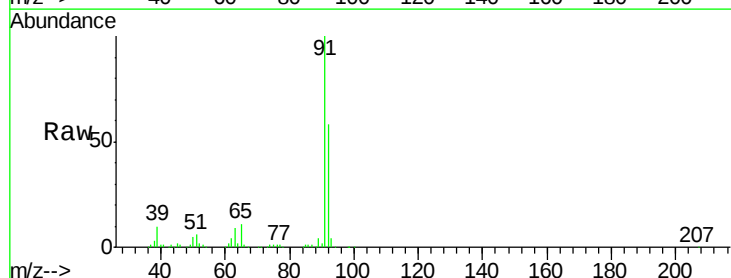
Acq: 24 Jan 2018 23:10

Tgt Ion: 92 Resp: 113496

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

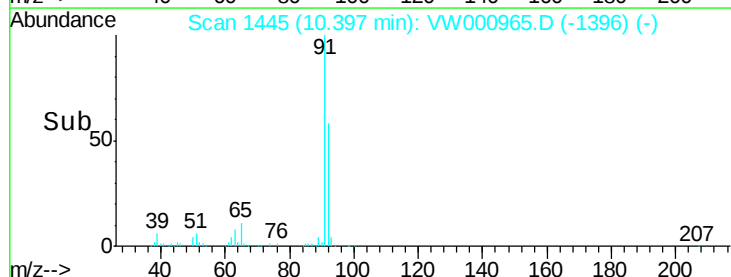
10.40

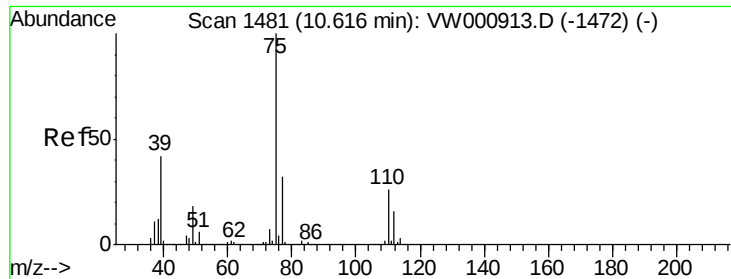
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 19.70 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

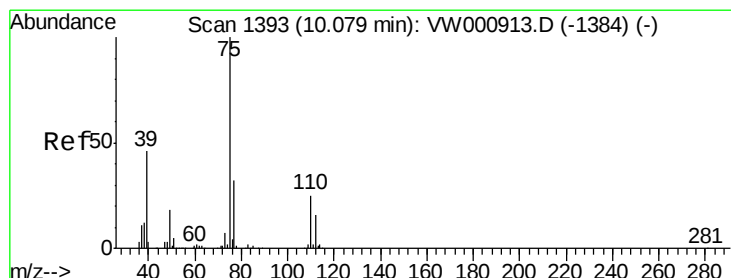
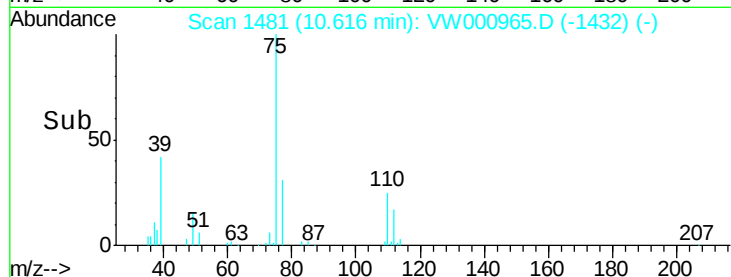
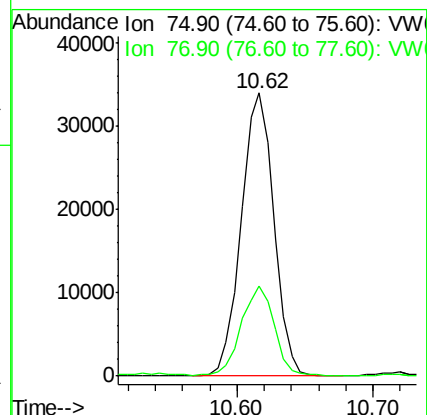
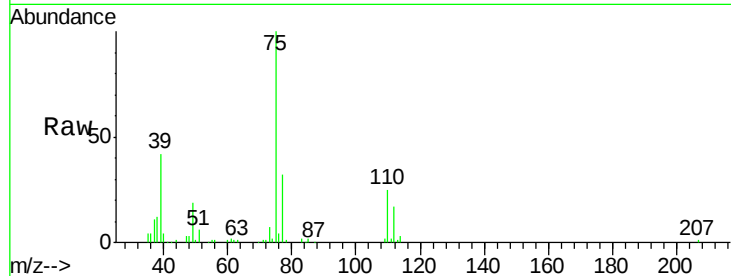
VW0124SBS02

Tgt Ion: 75 Resp: 56763

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 19.80 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

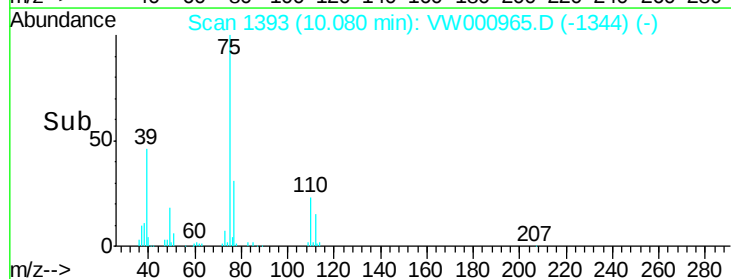
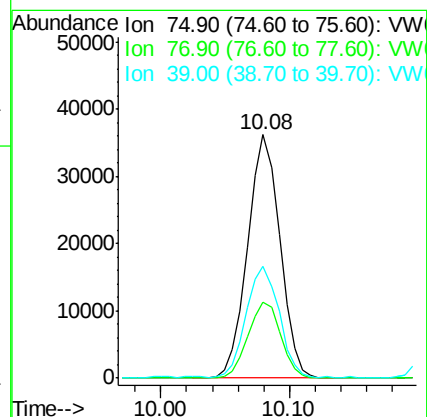
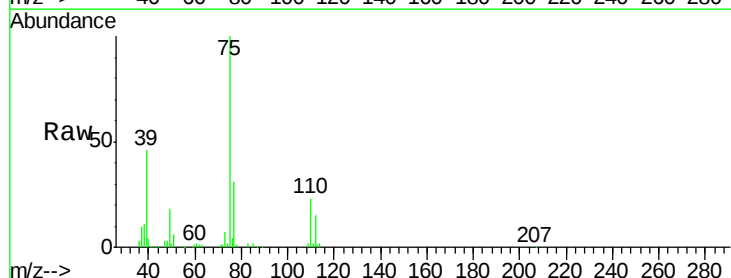
Tgt Ion: 75 Resp: 62757

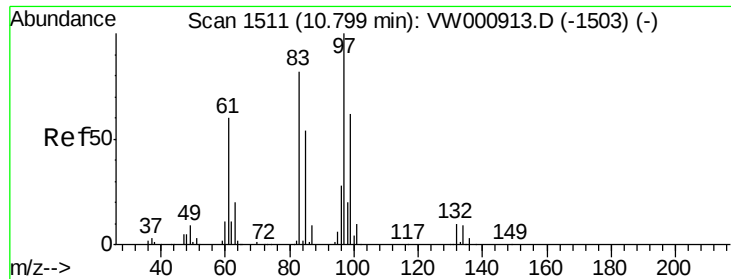
Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 45.6 37.0 55.6





#55

1,1,2-Trichloroethane

Concen: 20.81 ug/l

RT: 10.80 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

Tgt Ion: 97 Resp: 37379

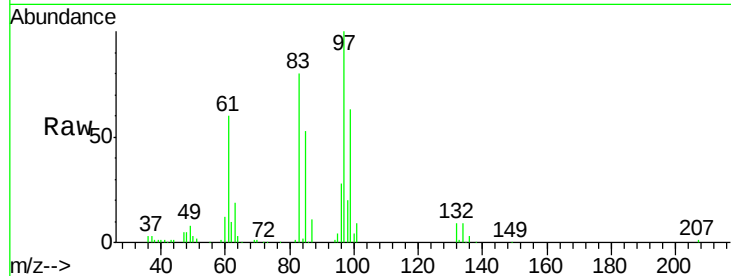
Ion Ratio Lower Upper

97 100

83 80.0 65.2 97.8

85 52.7 43.1 64.7

99 63.1 49.3 73.9

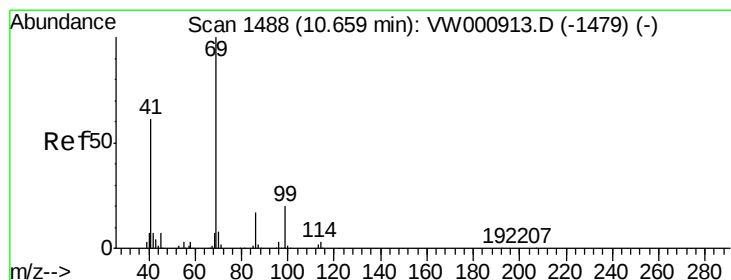
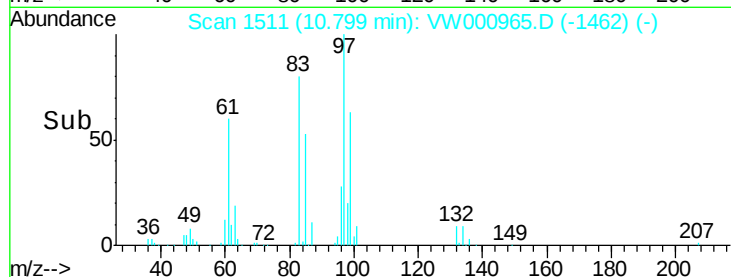
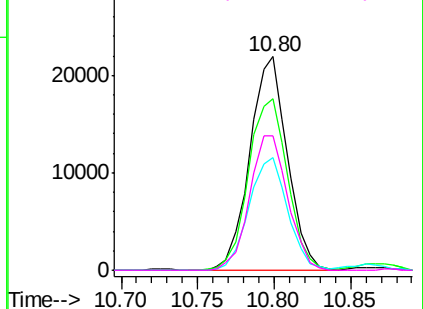


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 20.34 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

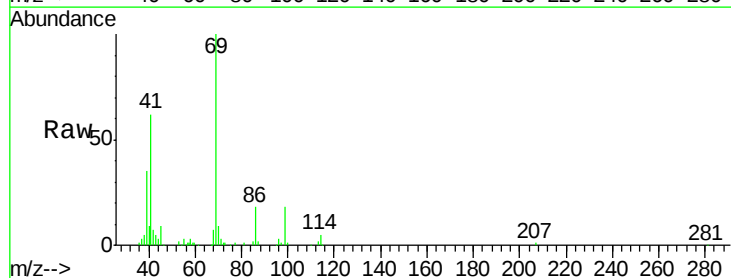
Tgt Ion: 69 Resp: 44059

Ion Ratio Lower Upper

69 100

41 66.3 50.3 75.5

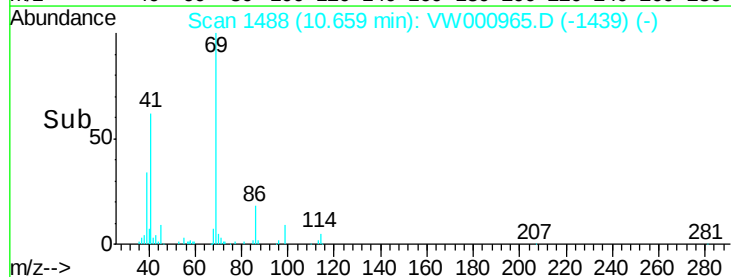
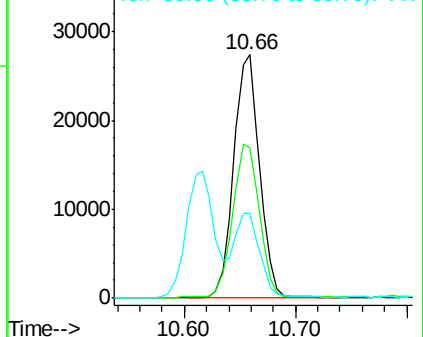
39 36.3 28.6 42.8

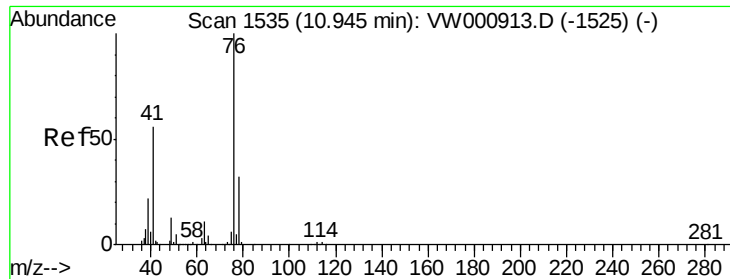


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

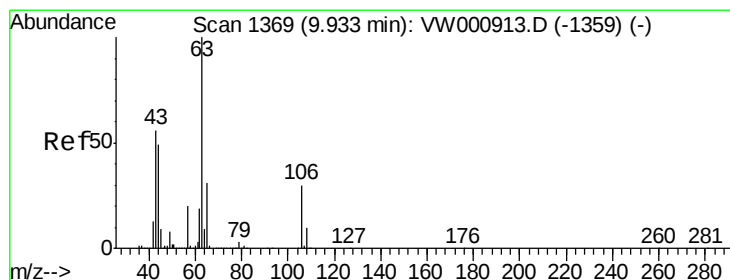
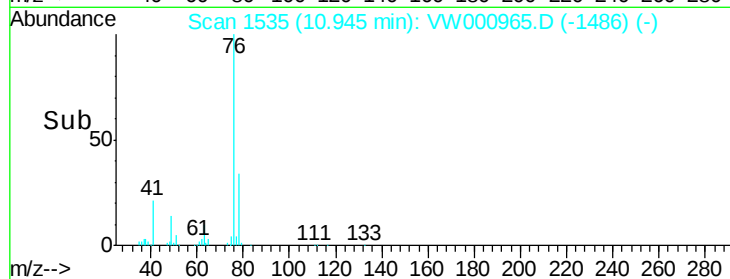
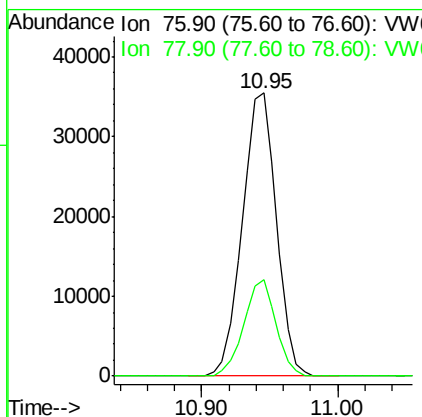
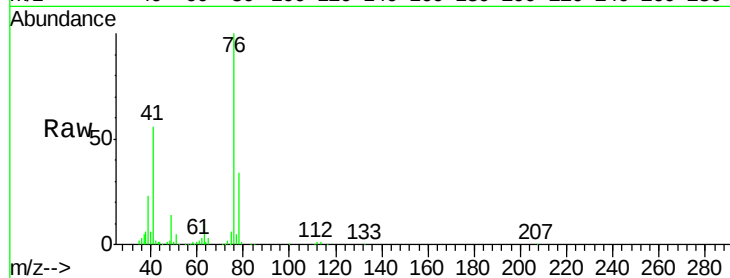




#57
 1,3-Dichloropropane
 Concen: 21.17 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

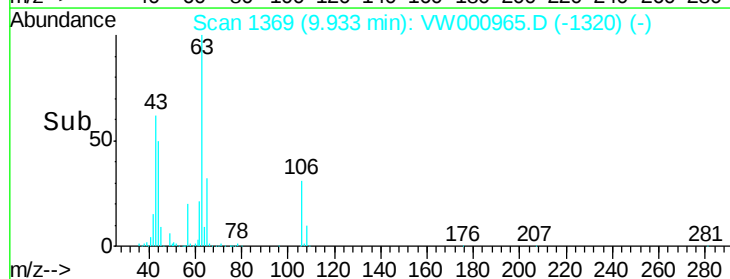
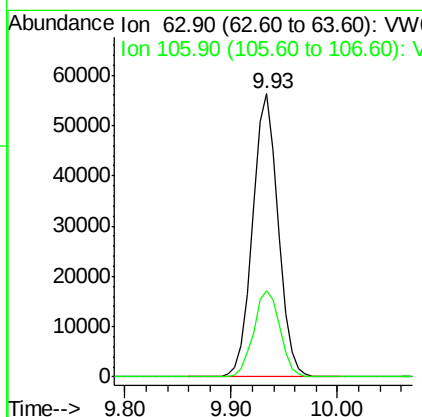
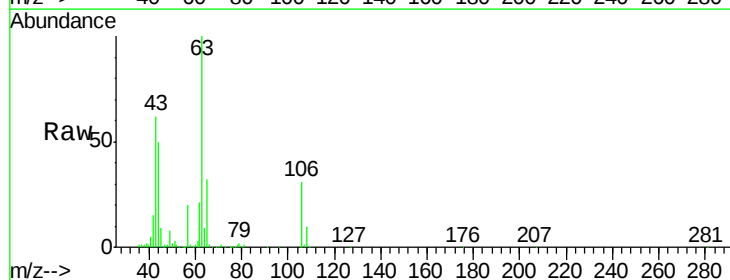
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

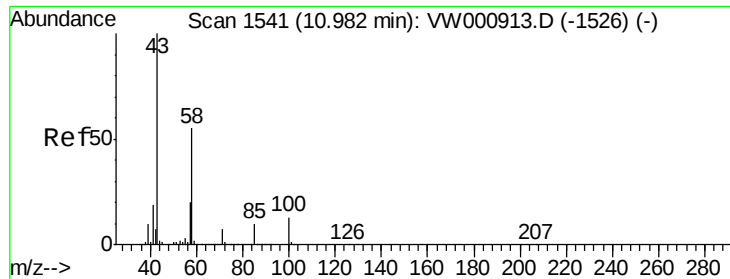
Tgt Ion: 76 Resp: 62085
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.99 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 63 Resp: 94847
 Ion Ratio Lower Upper
 63 100
 106 31.3 23.8 35.8

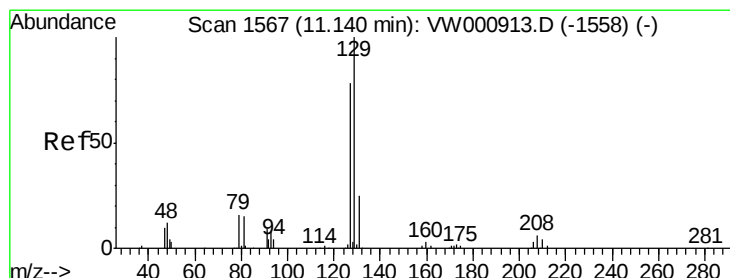
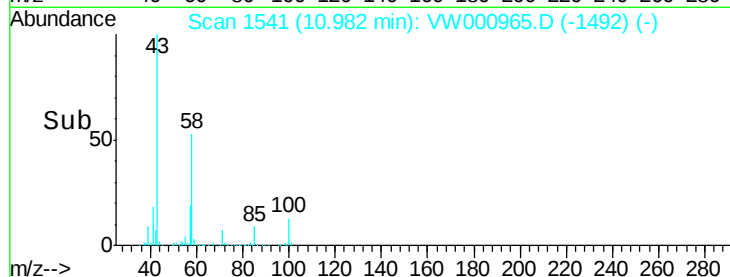
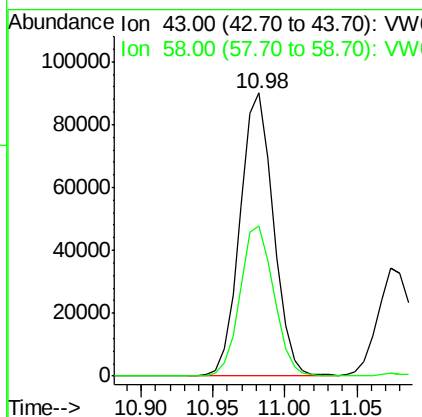
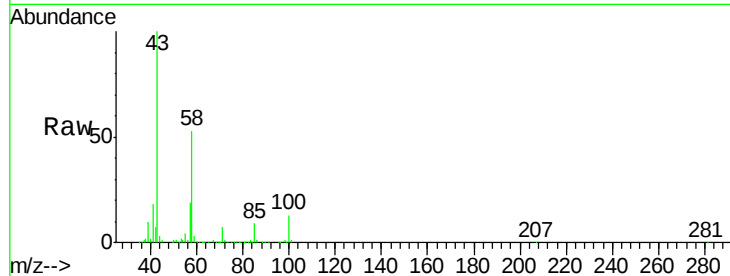




#59
2-Hexanone
Concen: 103.38 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

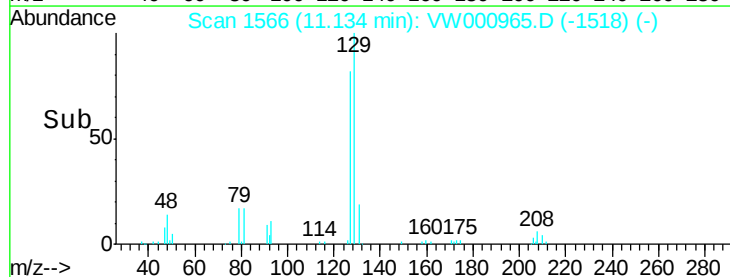
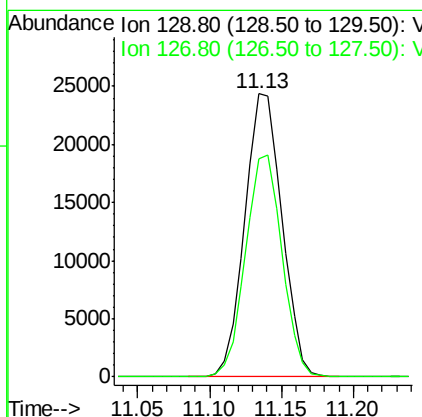
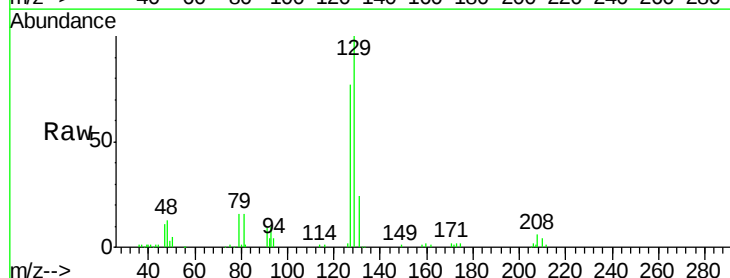
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

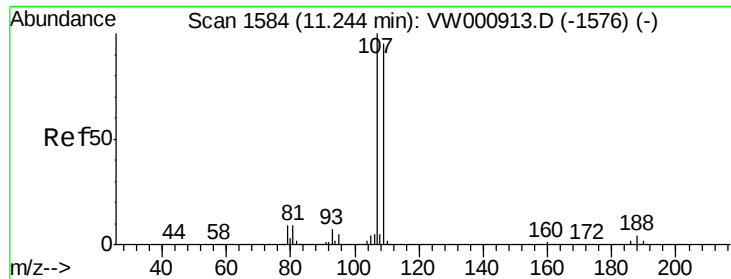
Tgt Ion: 43 Resp: 144751
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.2



#60
Dibromochloromethane
Concen: 20.09 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 129 Resp: 43589
Ion Ratio Lower Upper
129 100
127 76.7 38.4 115.2

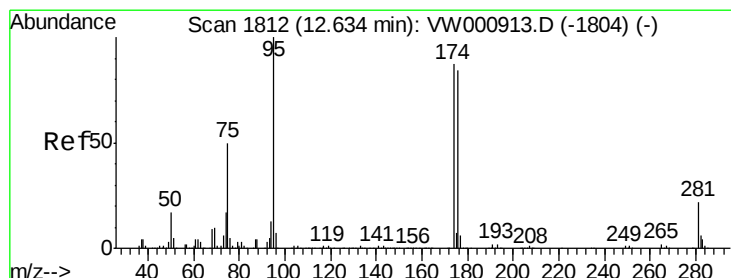
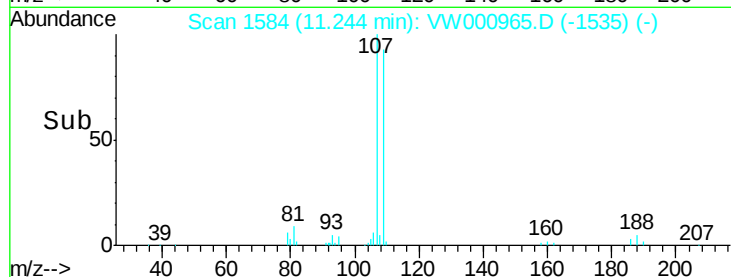
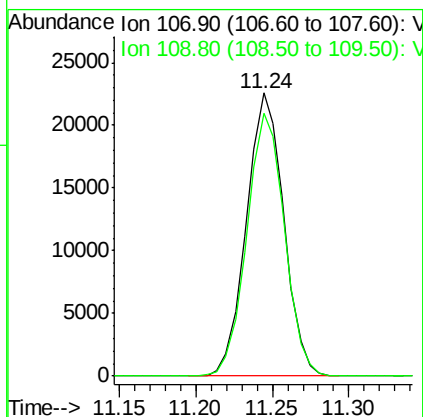
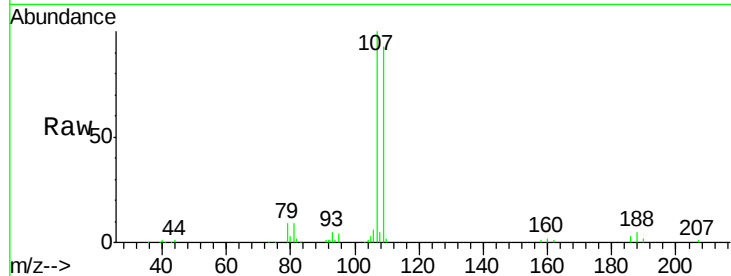




#61
 1,2-Dibromoethane
 Concen: 20.47 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

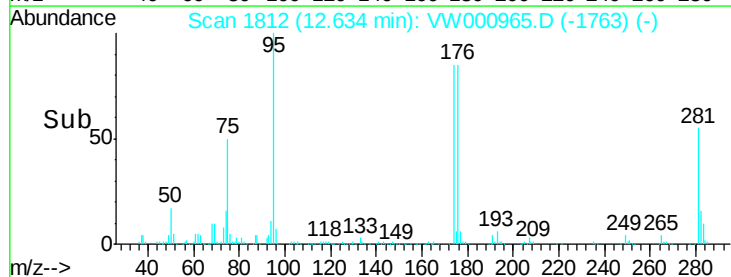
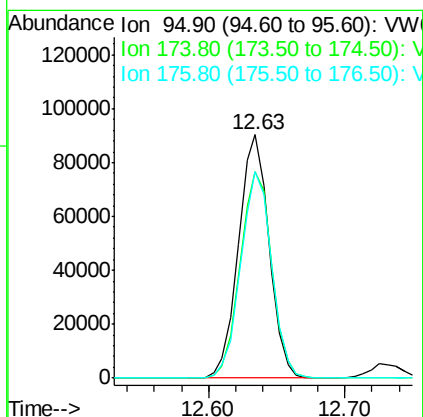
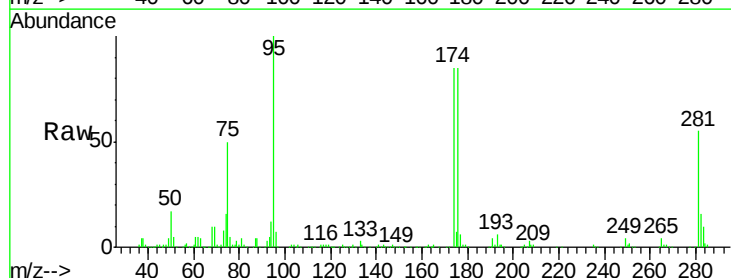
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

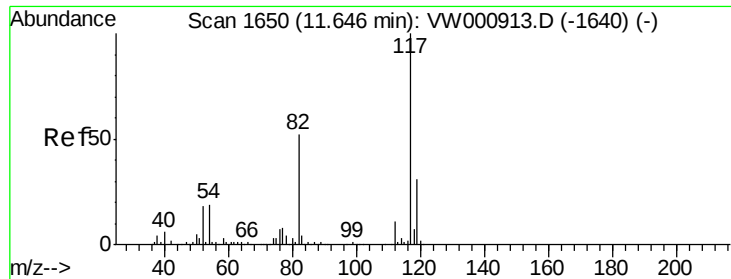
Tgt Ion: 107 Resp: 38311
 Ion Ratio Lower Upper
 107 100
 109 93.5 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 48.45 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 95 Resp: 141729
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 176.8
 176 85.6 0.0 171.8

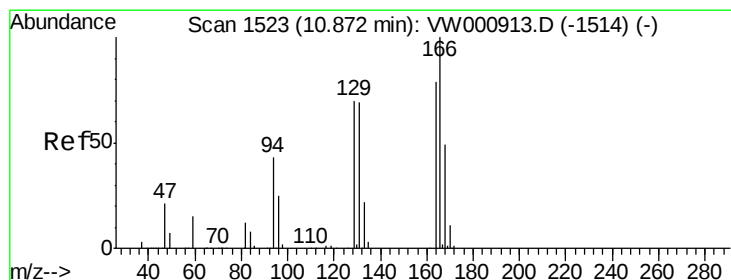
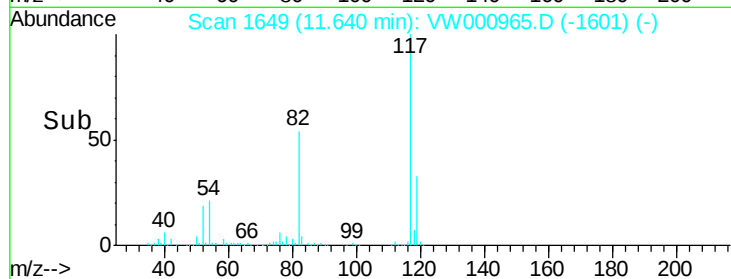
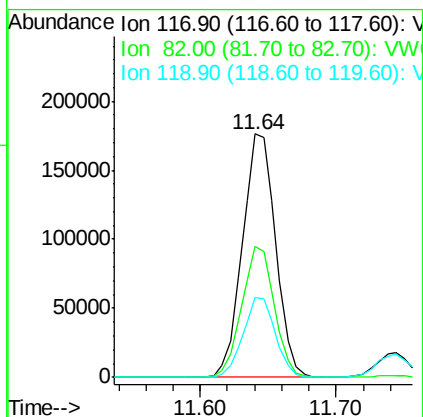
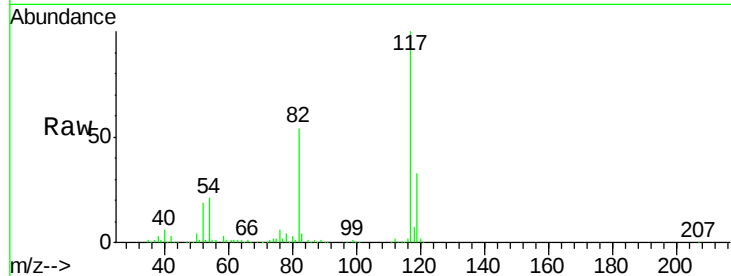




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

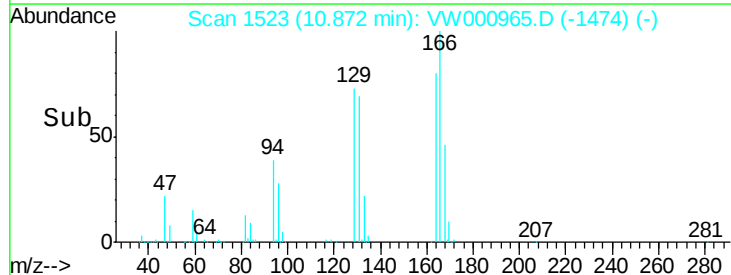
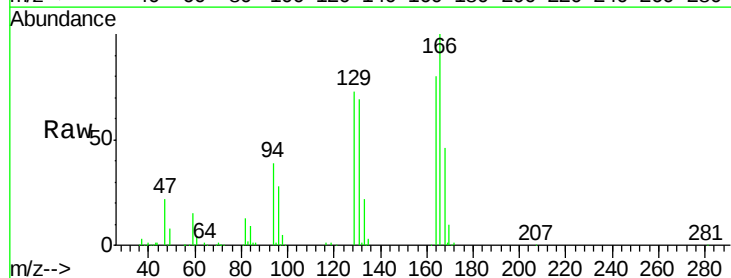
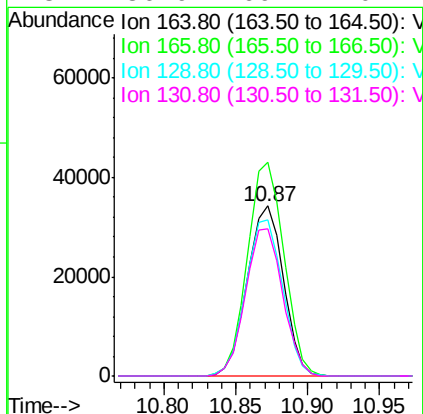
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

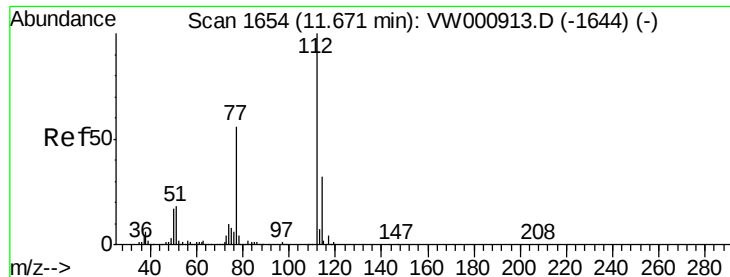
Tgt Ion:117 Resp: 301297
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.6
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 23.84 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion:164 Resp: 59614
Ion Ratio Lower Upper
164 100
166 125.8 100.9 151.3
129 91.7 70.5 105.7
131 86.9 69.4 104.2





#65

Chlorobenzene

Concen: 20.50 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

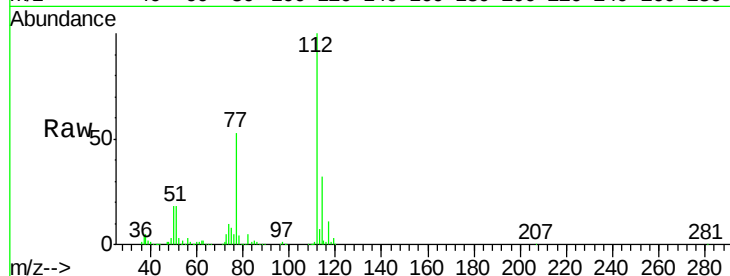
VW0124SBS02

Tgt Ion:112 Resp: 126692

Ion Ratio Lower Upper

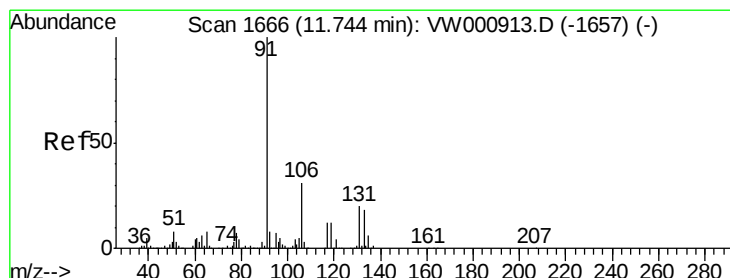
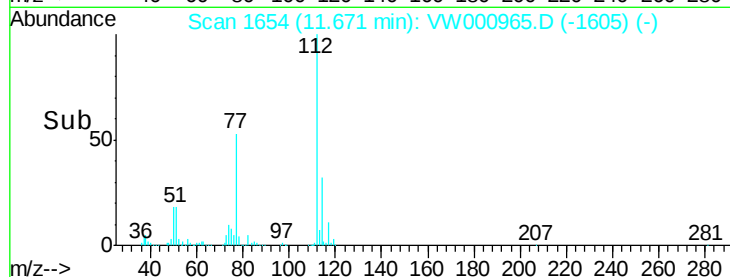
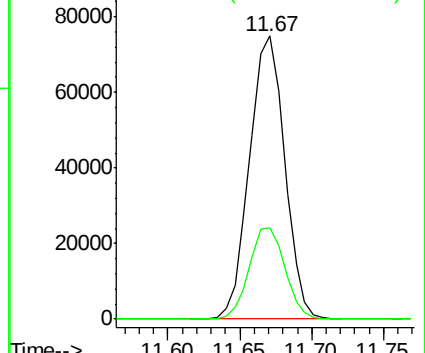
112 100

114 32.5 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.50 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

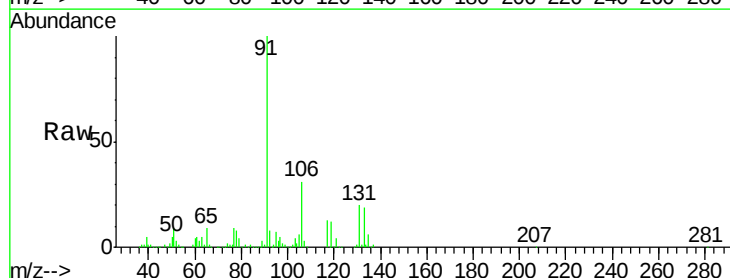
Tgt Ion:131 Resp: 45505

Ion Ratio Lower Upper

131 100

133 95.1 47.3 142.0

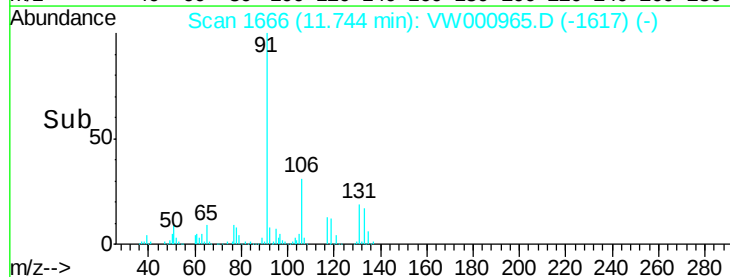
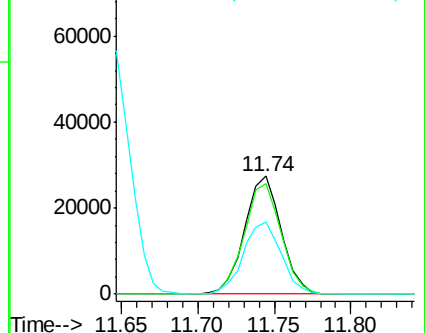
119 63.4 31.6 94.7

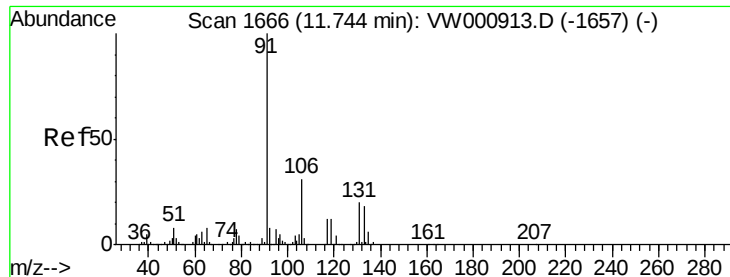


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

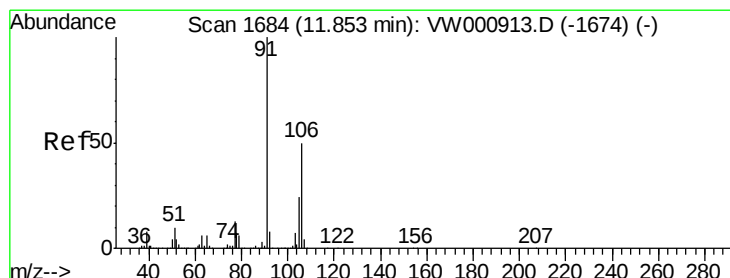
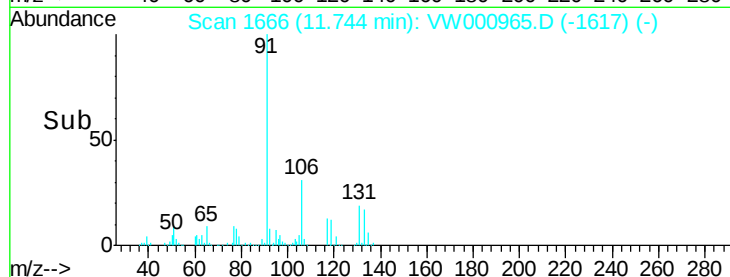
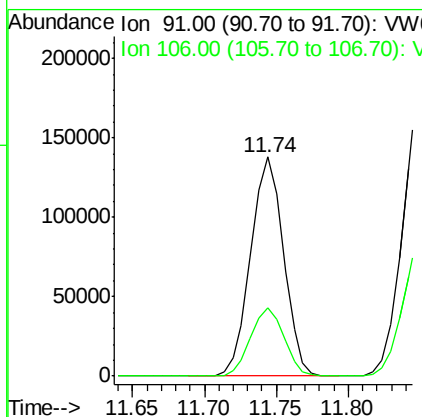
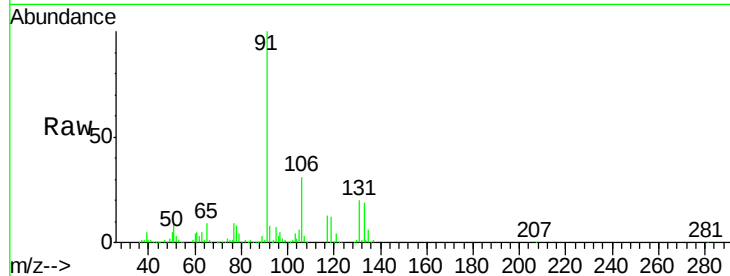




#67
Ethyl Benzene
Concen: 20.90 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

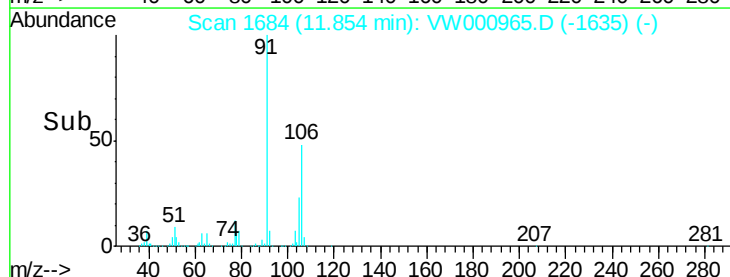
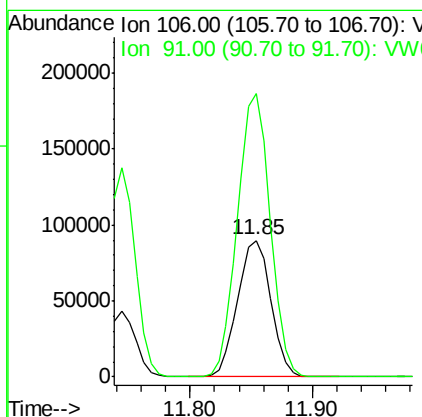
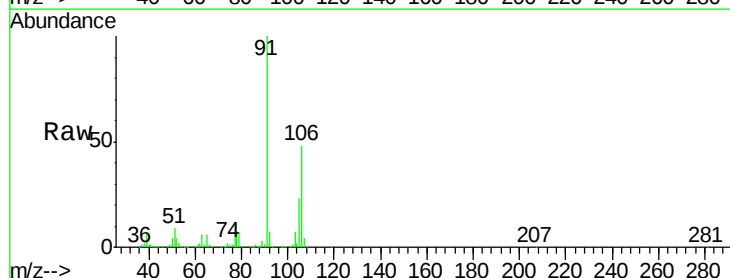
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

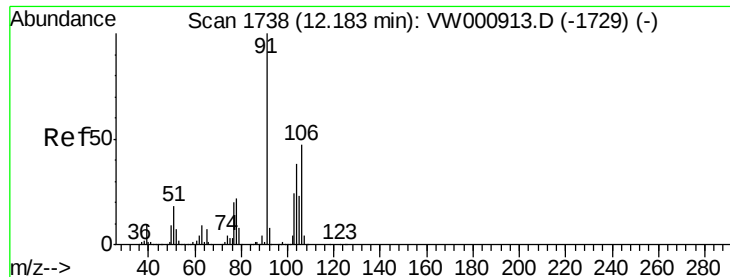
Tgt Ion: 91 Resp: 218242
Ion Ratio Lower Upper
91 100
106 31.5 25.1 37.7



#68
m/p-Xylenes
Concen: 41.98 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 106 Resp: 170388
Ion Ratio Lower Upper
106 100
91 203.6 161.9 242.9

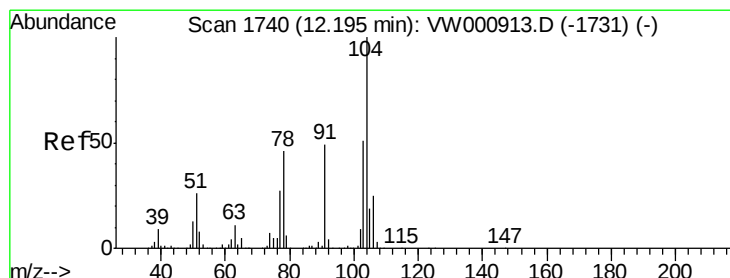
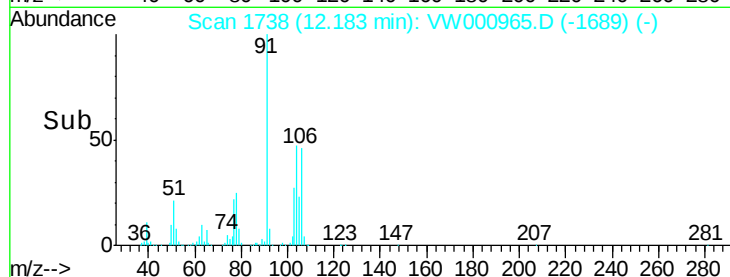
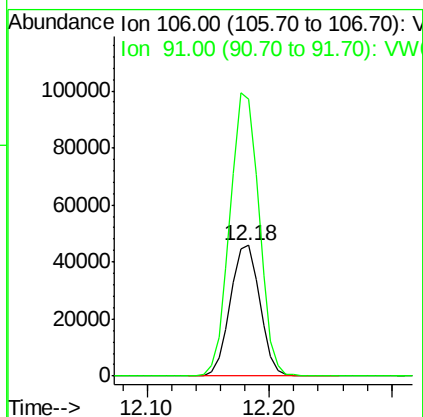
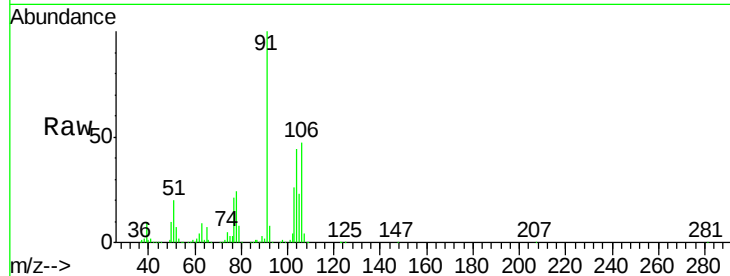




#69
o-Xylene
Concen: 20.55 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

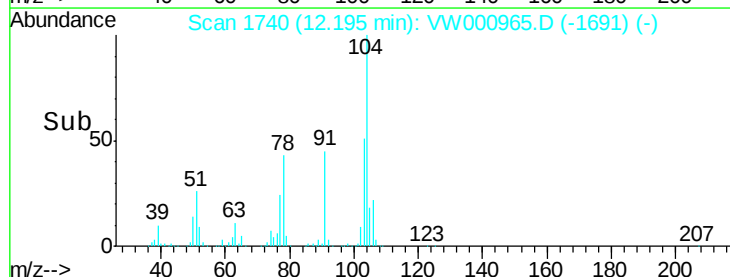
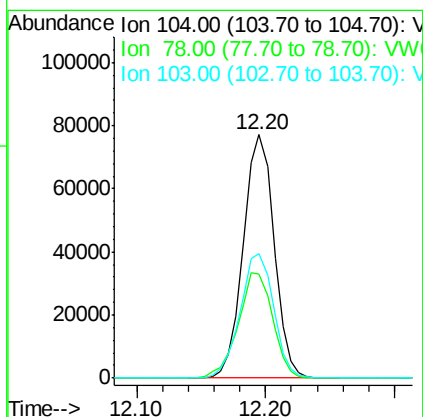
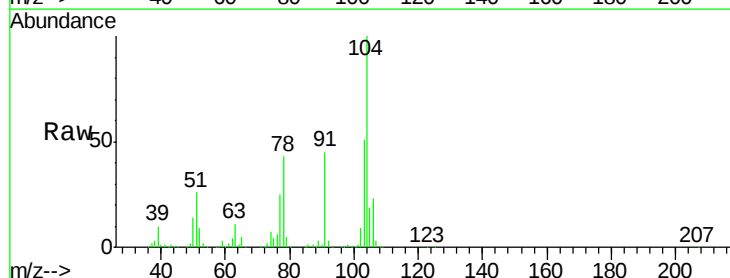
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

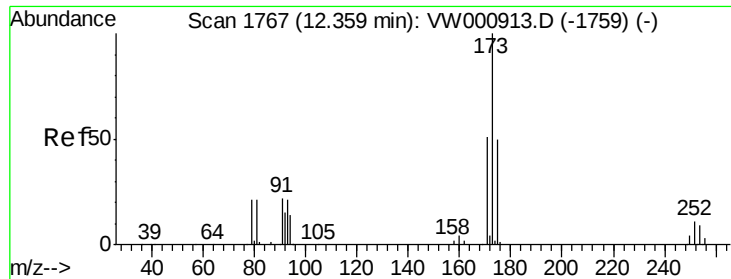
Tgt Ion:106 Resp: 76491
Ion Ratio Lower Upper
106 100
91 213.7 106.3 318.8



#70
Styrene
Concen: 21.00 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion:104 Resp: 127398
Ion Ratio Lower Upper
104 100
78 48.5 40.1 60.1
103 55.8 44.6 66.8

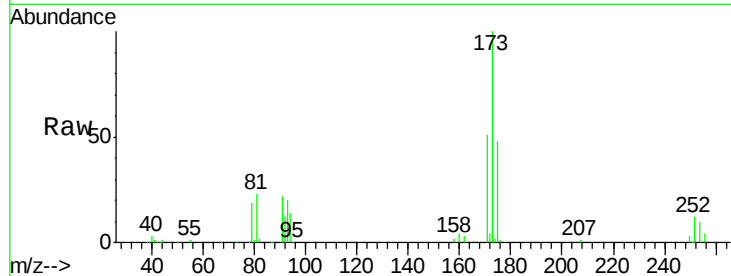




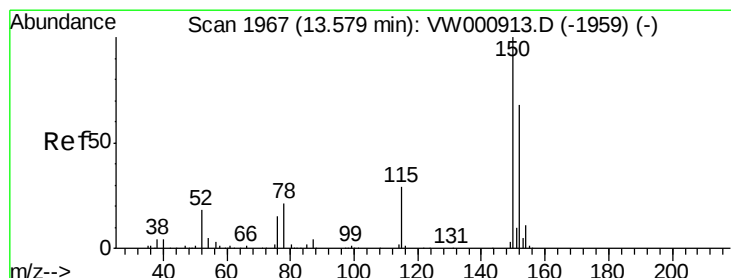
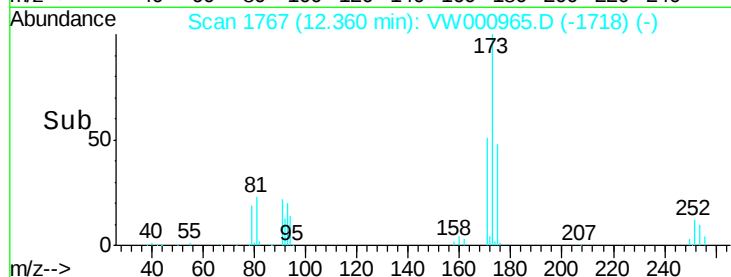
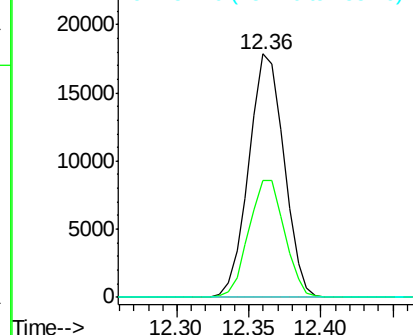
#71
Bromoform
Concen: 20.07 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

Tgt Ion:173 Resp: 30224
Ion Ratio Lower Upper
173 100
175 48.9 24.7 74.1
254 0.1 0.2 0.2#

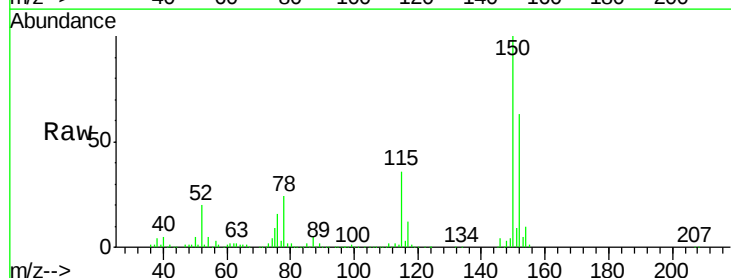


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

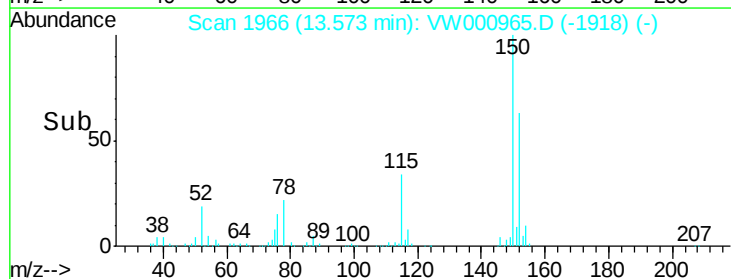
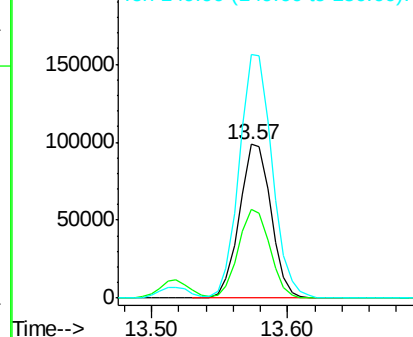


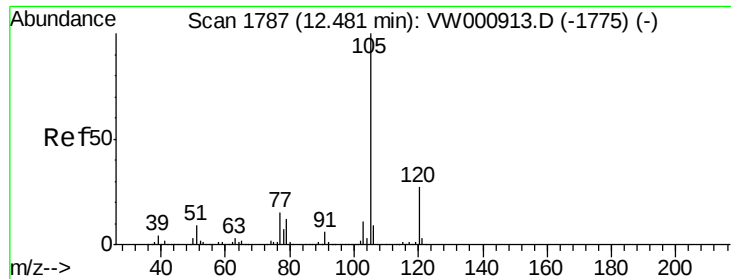
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion:152 Resp: 159791
Ion Ratio Lower Upper
152 100
115 57.6 28.5 85.5
150 165.0 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: 21.94 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

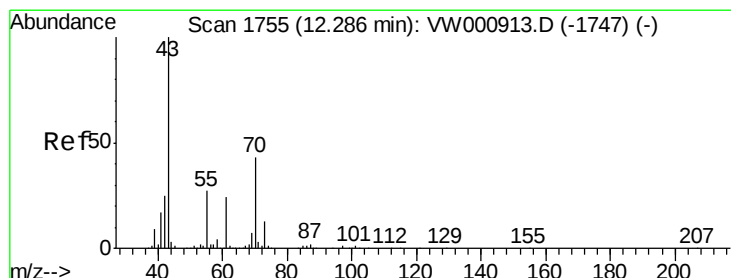
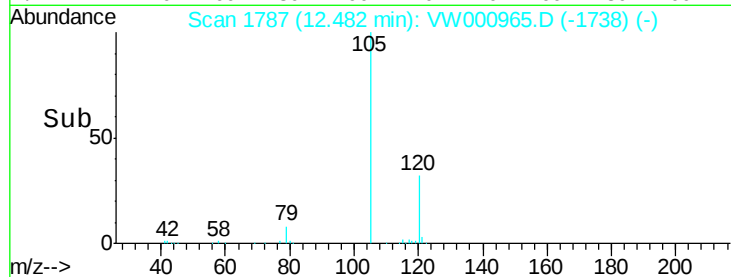
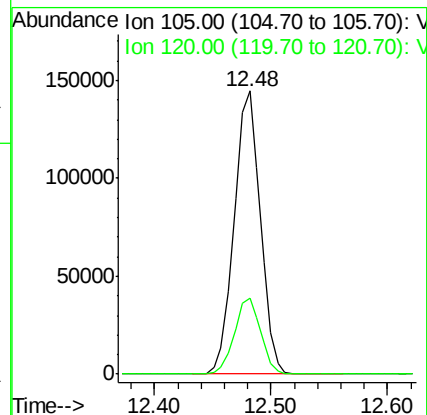
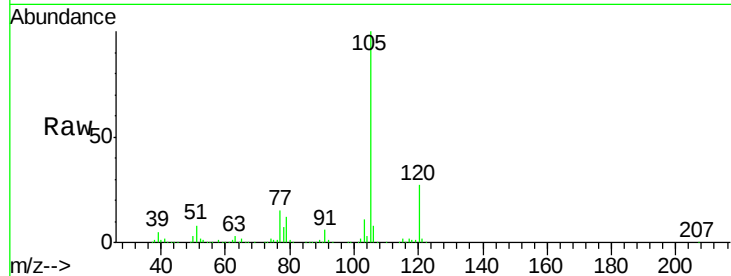
VW0124SBS02

Tgt Ion:105 Resp: 226526

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 21.55 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Tgt Ion: 43 Resp: 54030

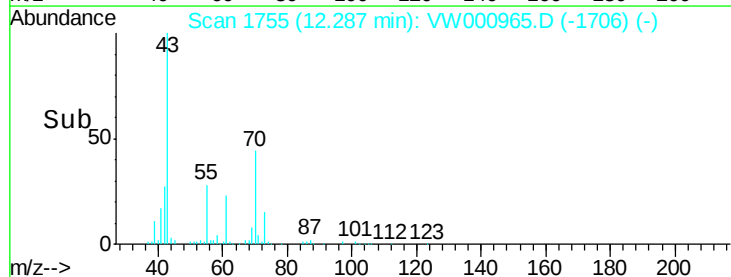
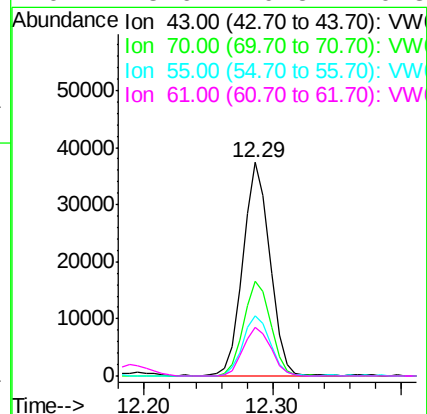
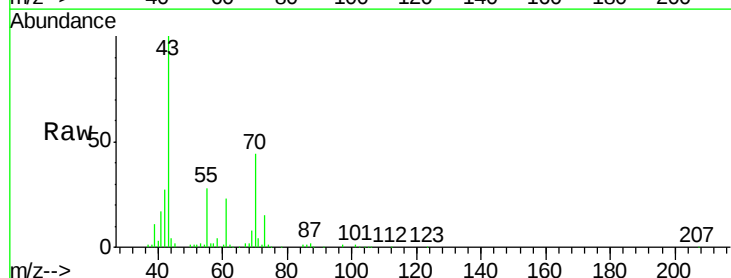
Ion Ratio Lower Upper

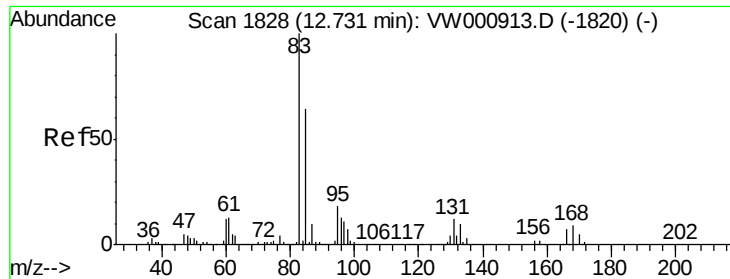
43 100

70 44.8 35.8 53.8

55 28.9 21.4 32.2

61 23.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.95 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

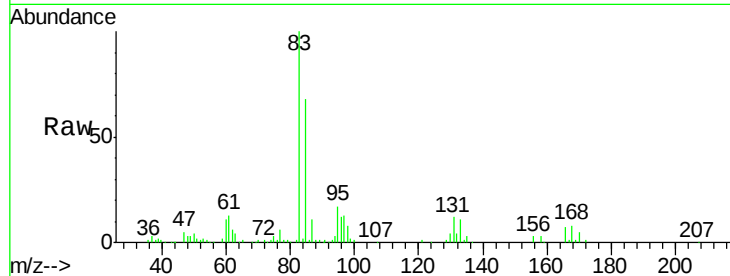
Tgt Ion: 83 Resp: 48429

Ion Ratio Lower Upper

83 100

131 11.6 5.9 17.7

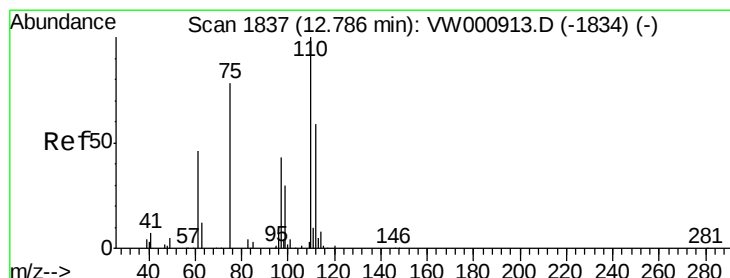
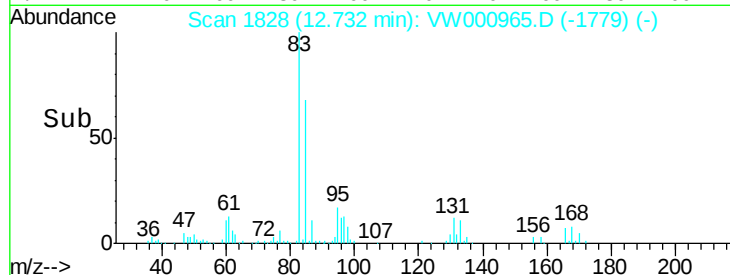
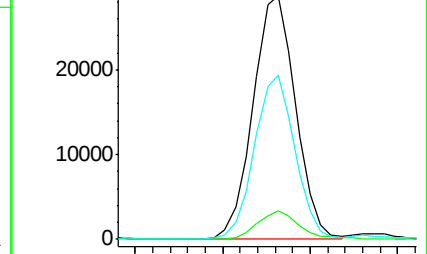
85 64.4 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.20 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VW000965.D

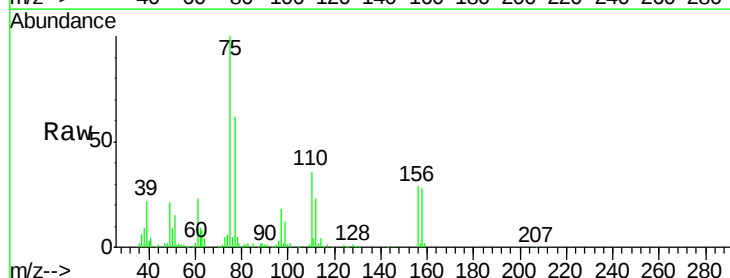
Acq: 24 Jan 2018 23:10

Tgt Ion: 75 Resp: 66939

Ion Ratio Lower Upper

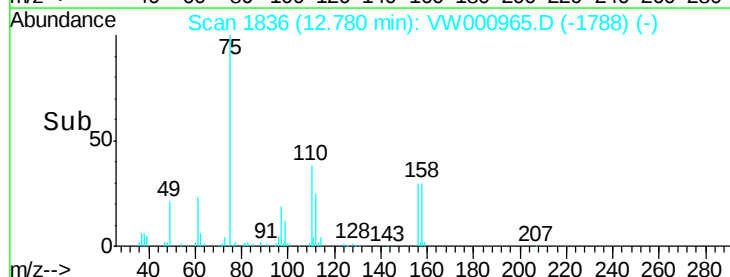
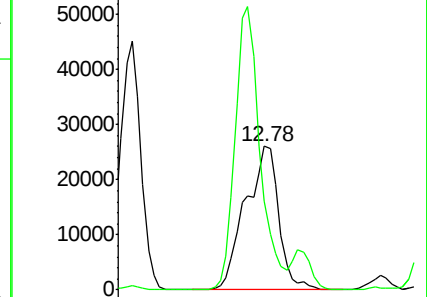
75 100

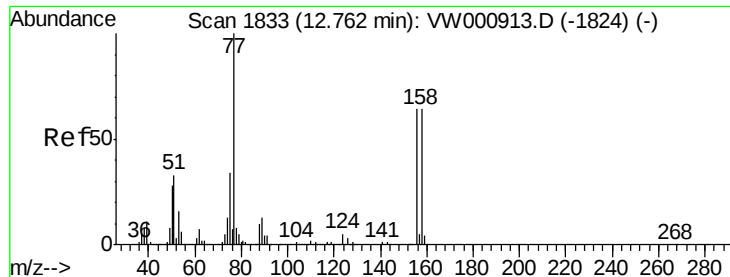
77 147.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.91 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

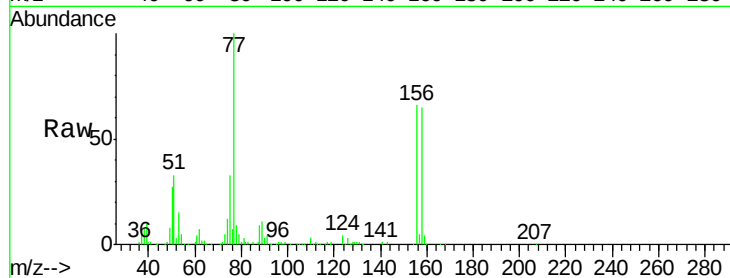
Tgt Ion:156 Resp: 54921

Ion Ratio Lower Upper

156 100

77 179.3 89.0 267.1

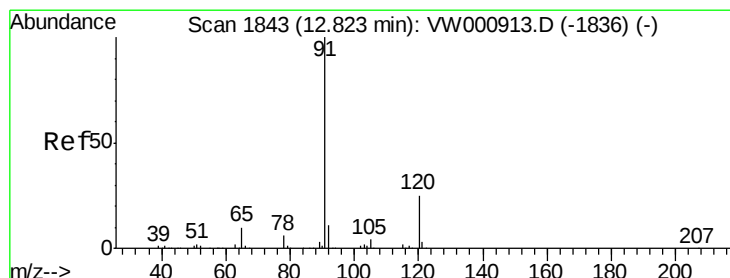
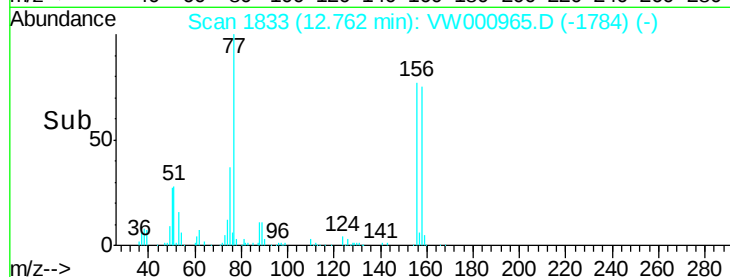
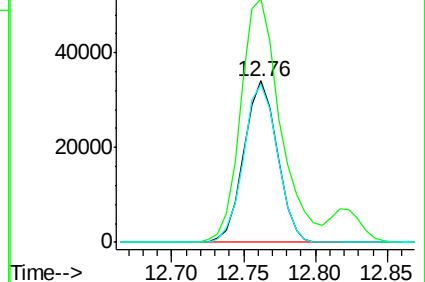
158 99.0 48.9 146.8



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: 21.79 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000965.D

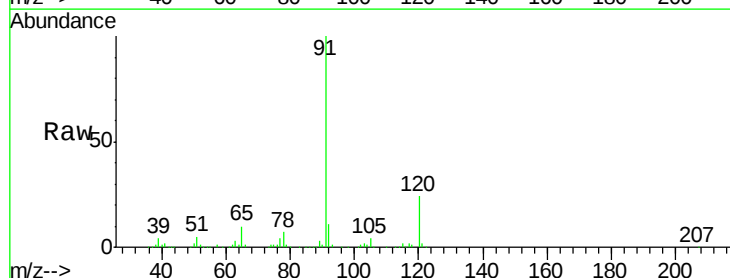
Acq: 24 Jan 2018 23:10

Tgt Ion: 91 Resp: 271444

Ion Ratio Lower Upper

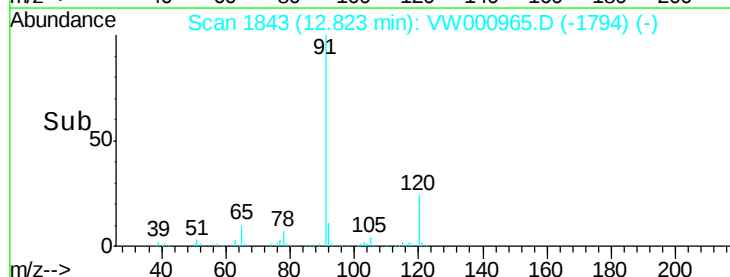
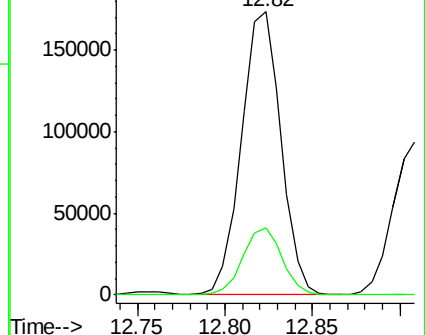
91 100

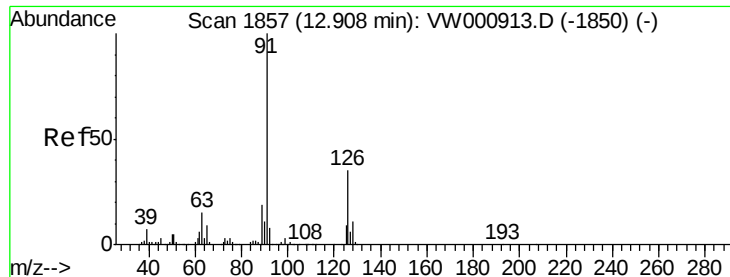
120 23.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.42 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampled :

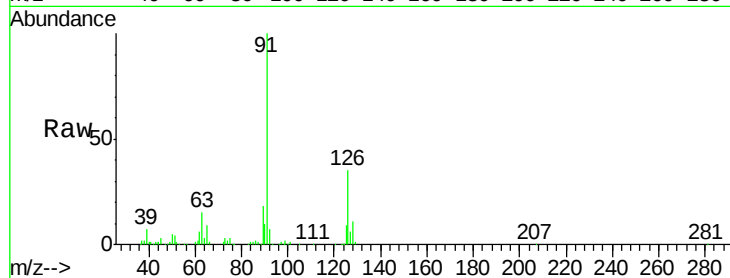
VW0124SBS02

Tgt Ion: 91 Resp: 150510

Ion Ratio Lower Upper

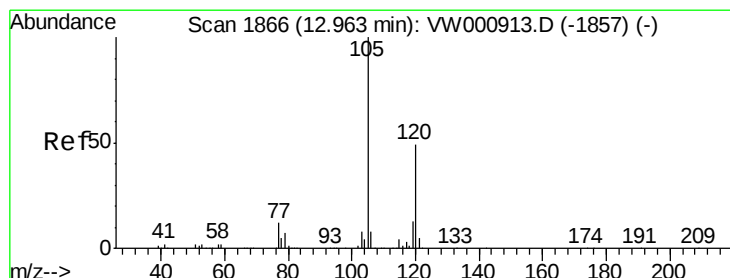
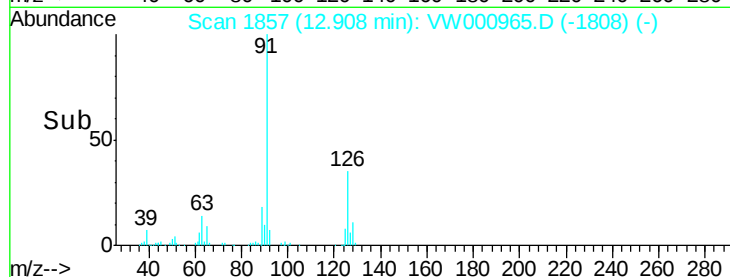
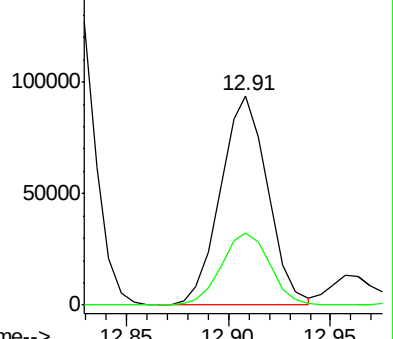
91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.54 ug/l

RT: 12.96 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VW000965.D

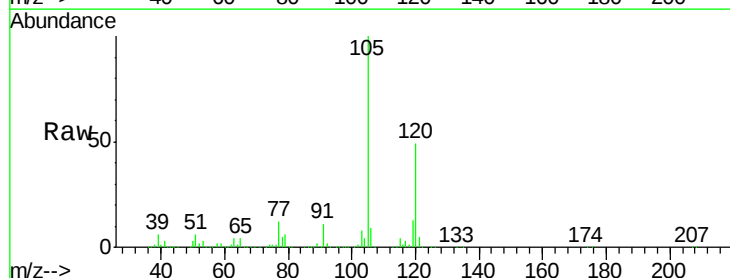
Acq: 24 Jan 2018 23:10

Tgt Ion: 105 Resp: 189177

Ion Ratio Lower Upper

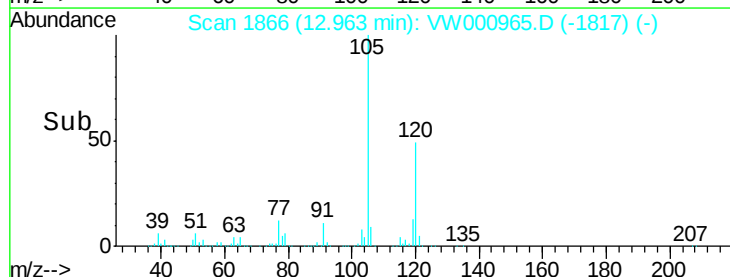
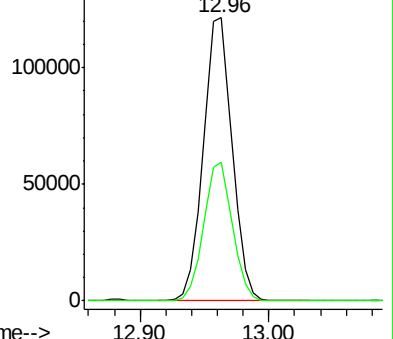
105 100

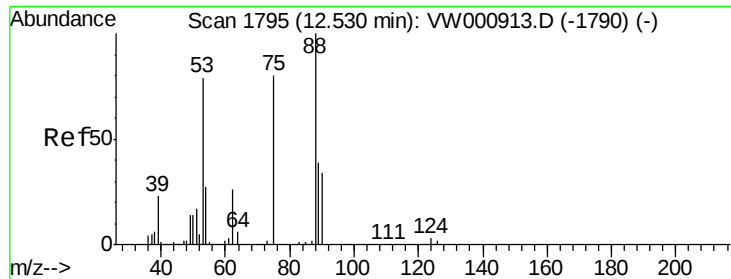
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

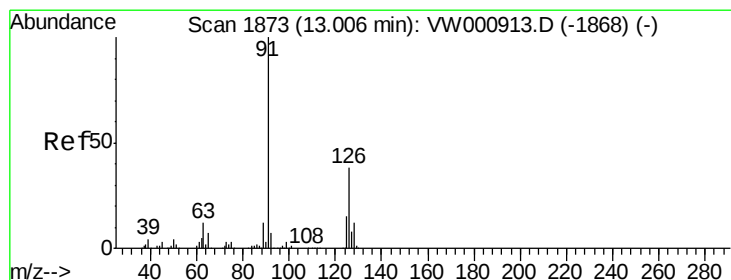
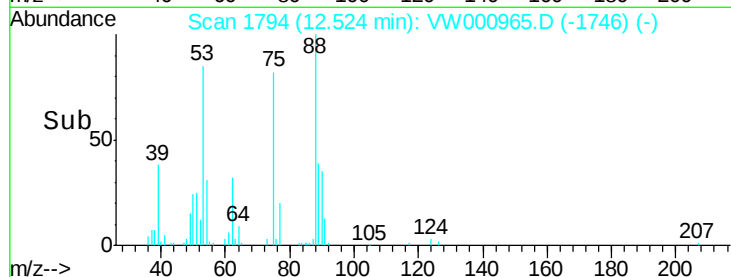
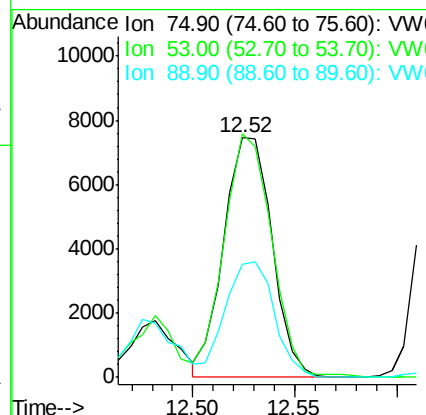
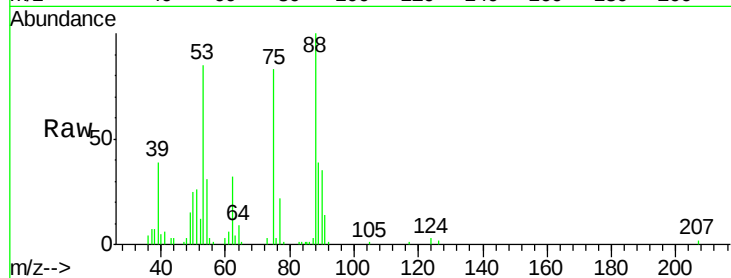




#81
trans-1,4-Dichloro-2-butene
Concen: 19.67 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

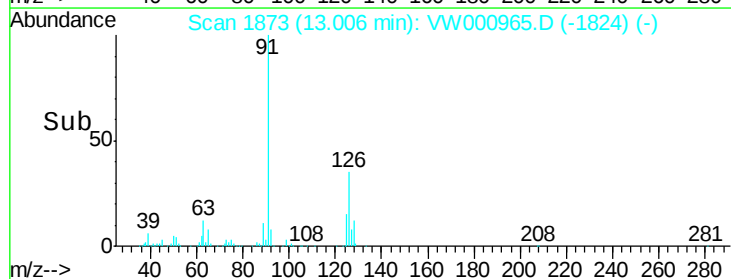
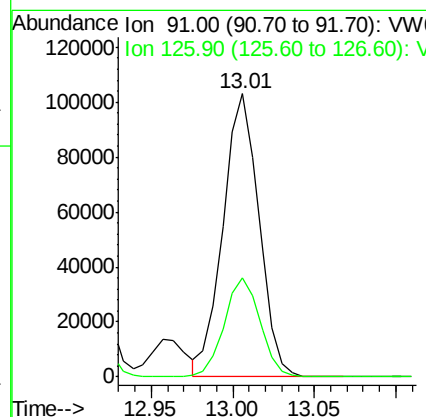
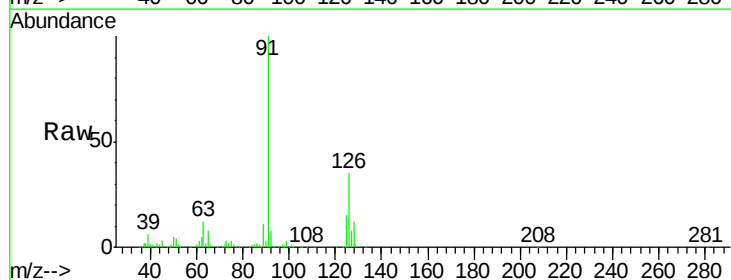
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

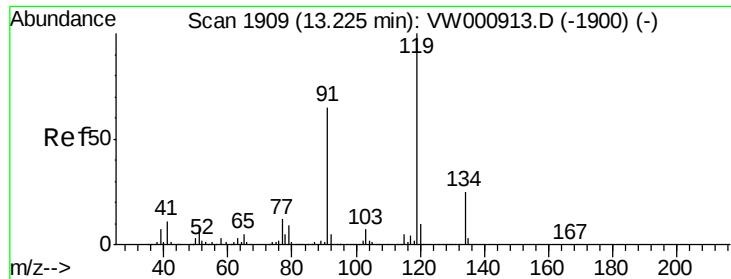
Tgt Ion: 75 Resp: 12275
Ion Ratio Lower Upper
75 100
53 100.4 77.5 116.3
89 49.4 38.2 57.4



#82
4-Chlorotoluene
Concen: 21.19 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion: 91 Resp: 158228
Ion Ratio Lower Upper
91 100
126 35.0 17.6 52.9

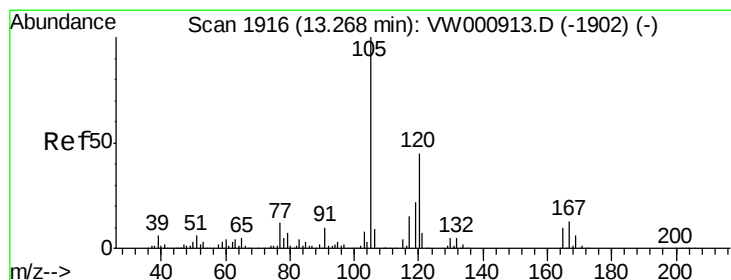
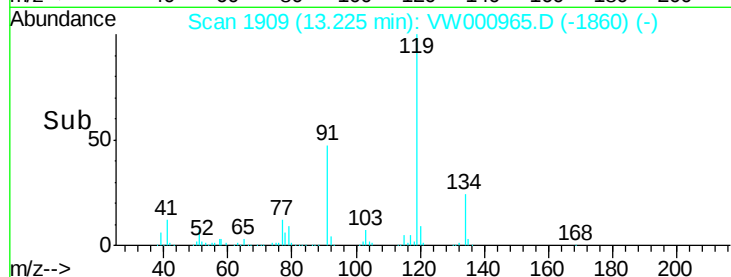
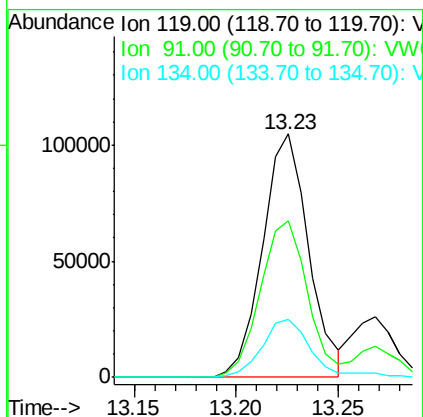
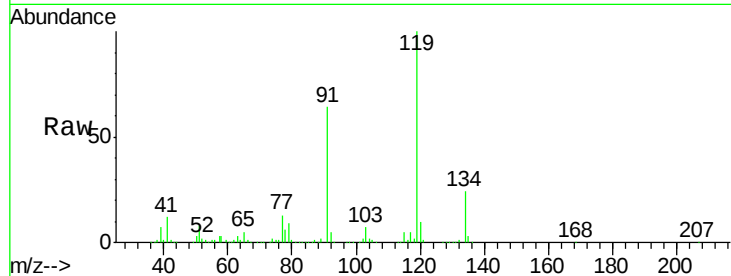




#83
tert-Butylbenzene
Concen: 21.42 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

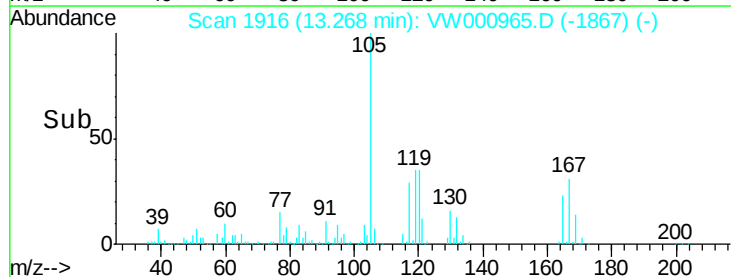
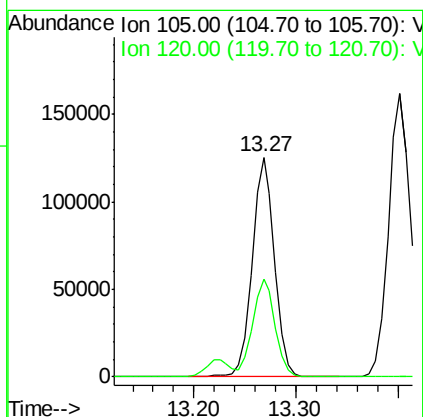
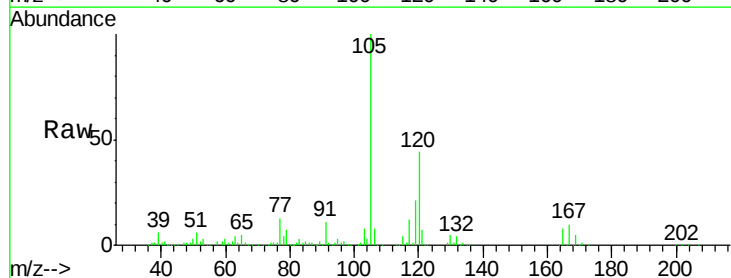
Instrument :
MSVOA_W
ClientSampleId :
VW0124SBS02

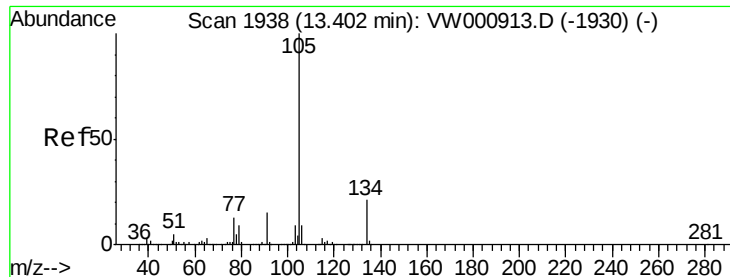
Tgt Ion:119 Resp: 164863
Ion Ratio Lower Upper
119 100
91 65.9 32.4 97.0
134 25.8 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 21.56 ug/l
RT: 13.27 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VW000965.D
Acq: 24 Jan 2018 23:10

Tgt Ion:105 Resp: 191534
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.99 ug/l

RT: 13.40 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

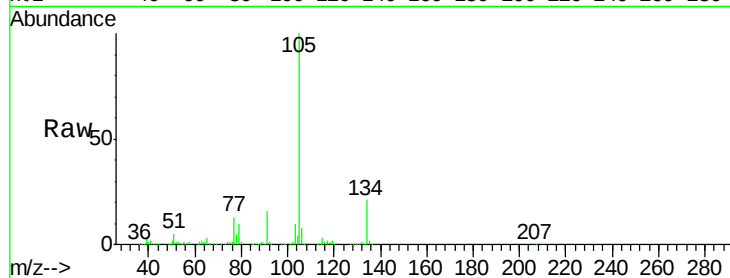
VW0124SBS02

Tgt Ion:105 Resp: 244220

Ion Ratio Lower Upper

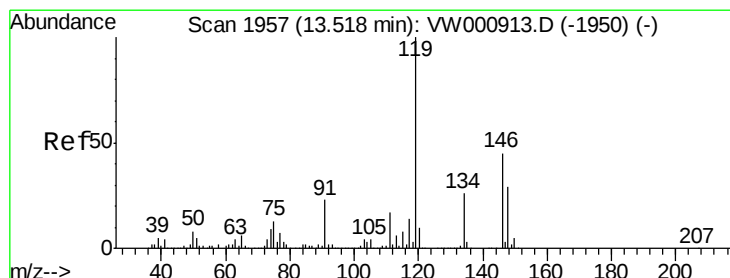
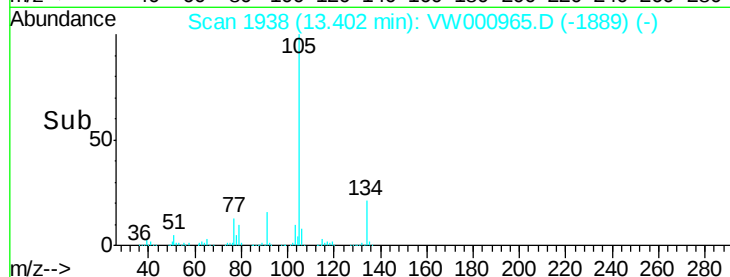
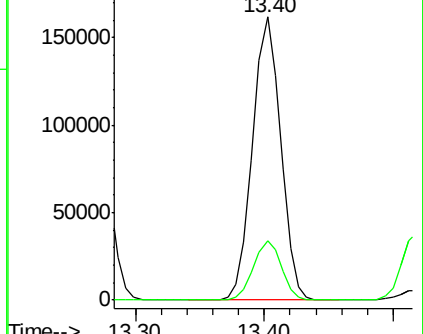
105 100

134 20.8 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: 21.52 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

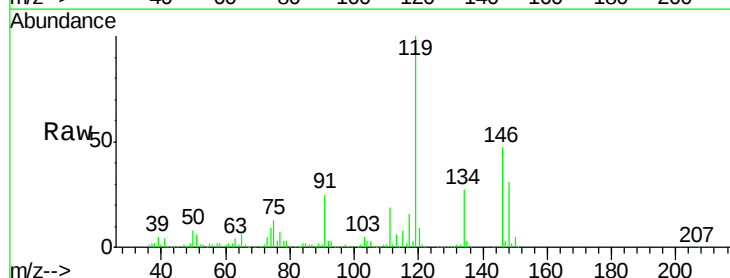
Tgt Ion:119 Resp: 211962

Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.6

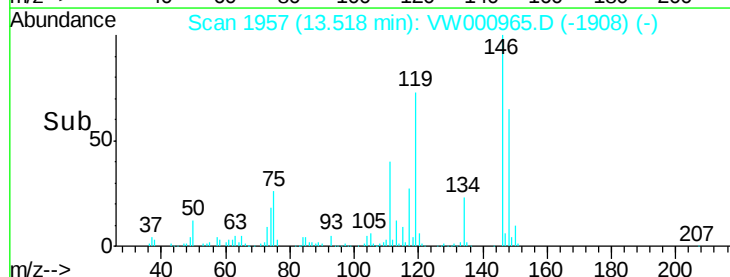
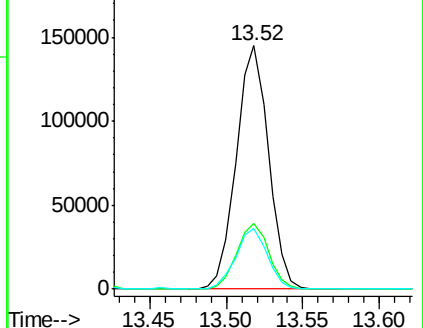
91 24.3 11.7 35.0

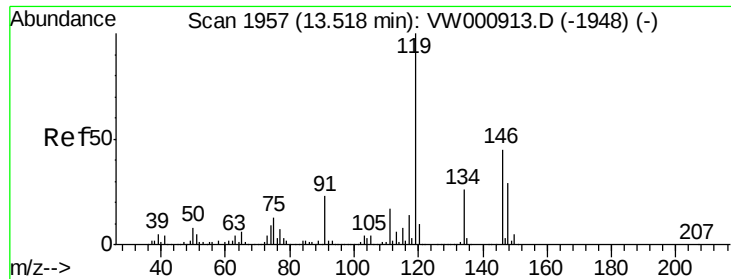


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

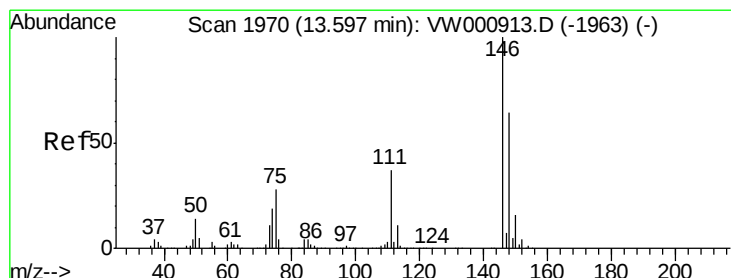
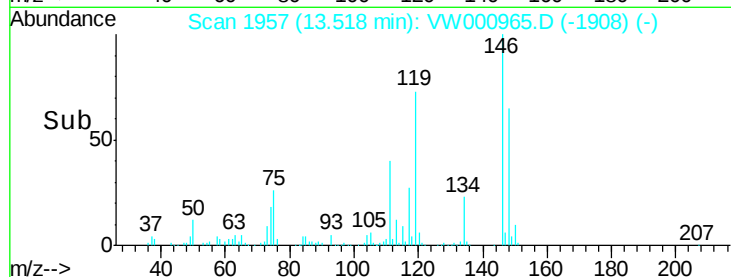
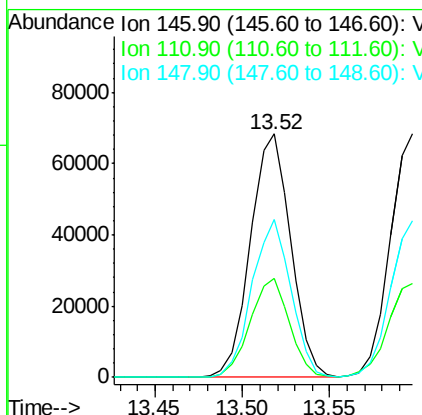
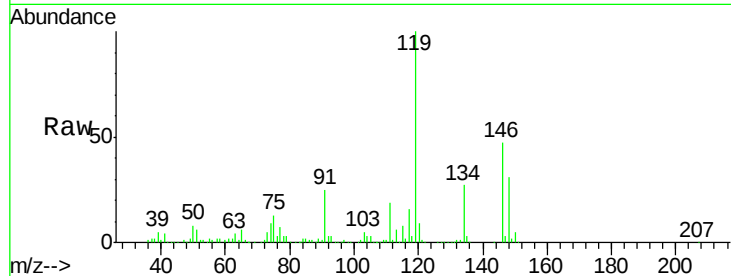




#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

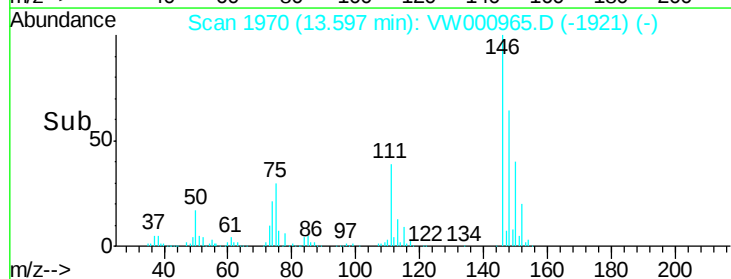
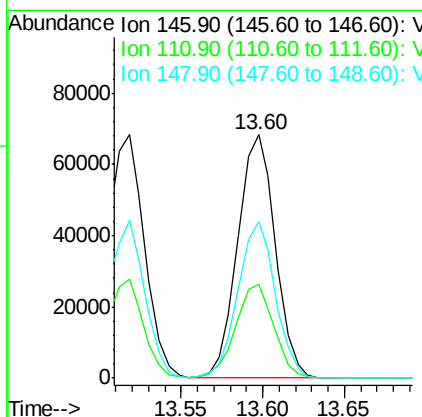
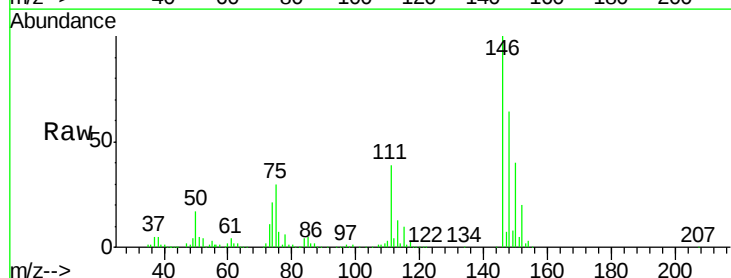
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

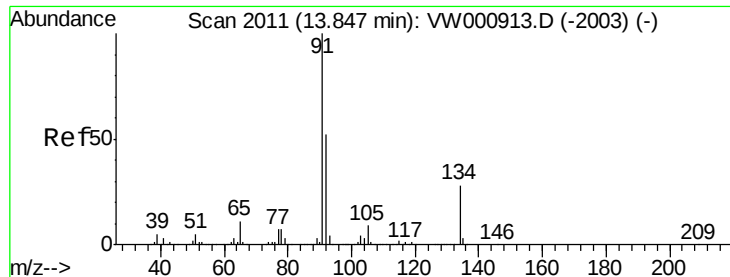
Tgt Ion:146 Resp: 109390
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.7 59.0
 148 62.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 21.06 ug/l
 RT: 13.60 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion:146 Resp: 109747
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.0 57.0
 148 64.0 32.4 97.2





#89

n-Butylbenzene

Concen: 21.32 ug/l

RT: 13.84 min Scan# 2010

Delta R.T. -0.01 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

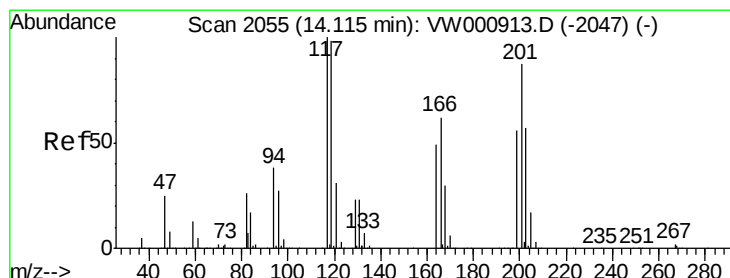
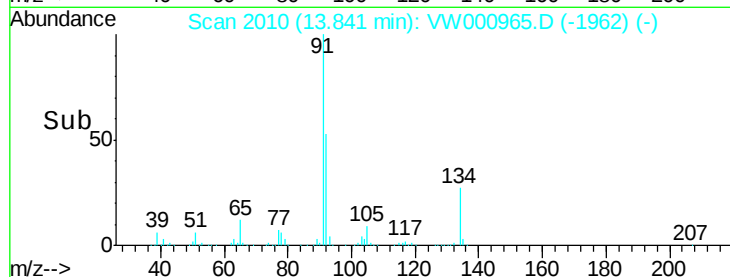
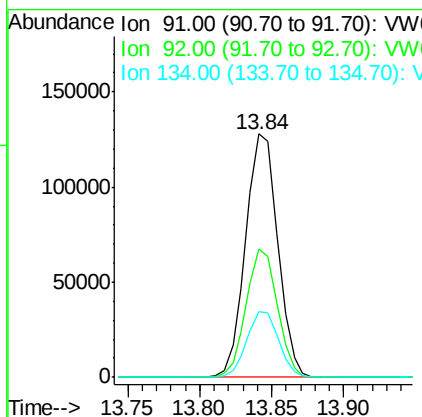
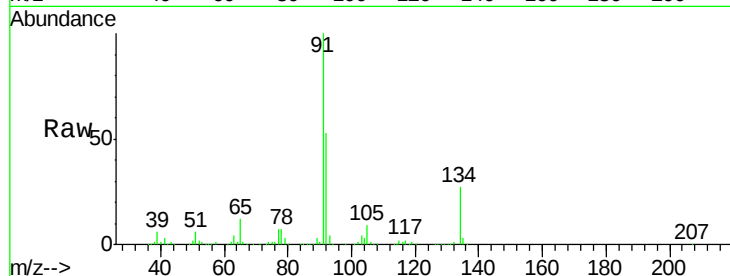
Tgt Ion: 91 Resp: 197308

Ion Ratio Lower Upper

91 100

92 51.4 26.2 78.6

134 26.7 13.7 41.1



#90

Hexachloroethane

Concen: 21.44 ug/l

RT: 14.12 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VW000965.D

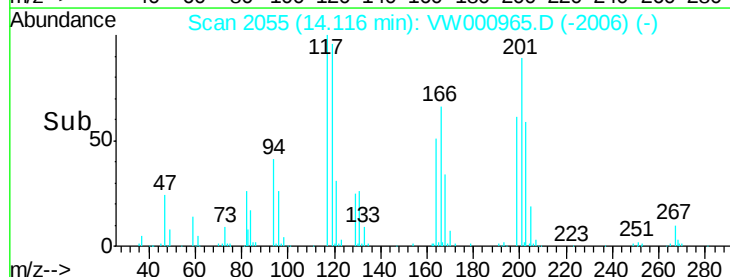
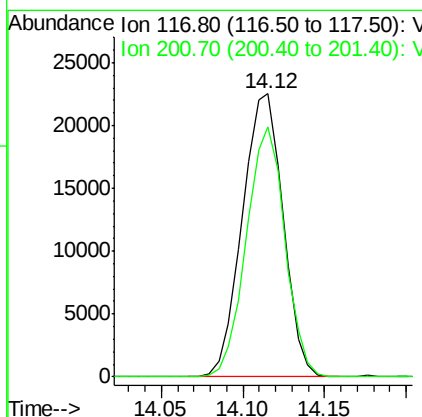
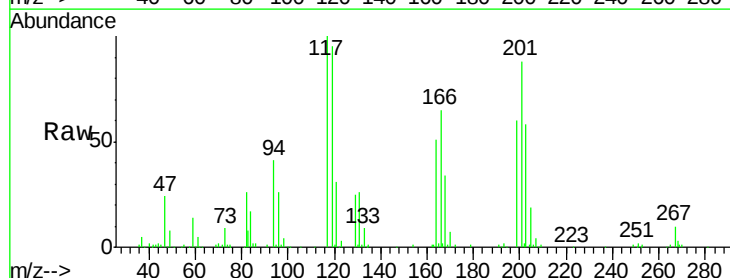
Acq: 24 Jan 2018 23:10

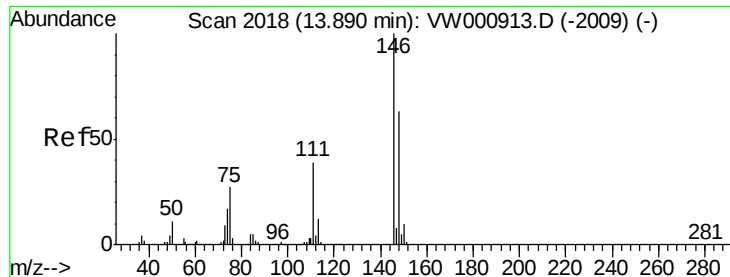
Tgt Ion: 117 Resp: 39252

Ion Ratio Lower Upper

117 100

201 83.7 42.8 128.3

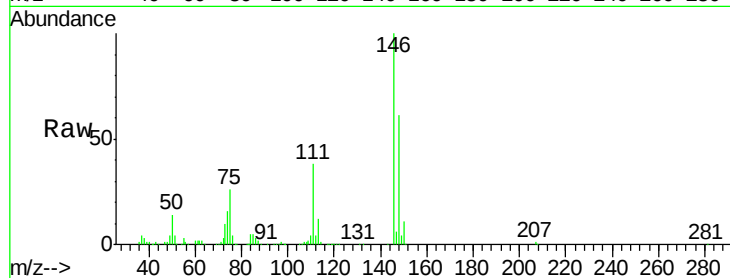




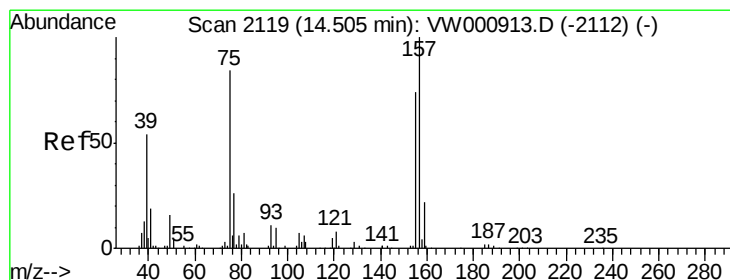
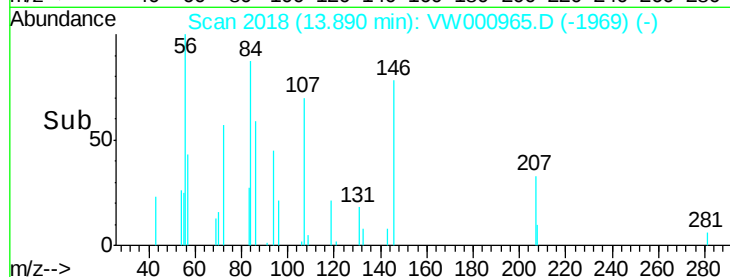
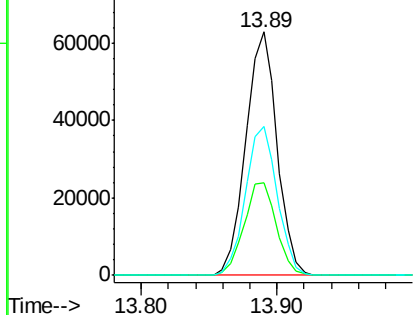
#91
 1,2-Dichlorobenzene
 Concen: 21.57 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Tgt Ion:146 Resp: 101212
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.4
 148 62.1 31.8 95.3

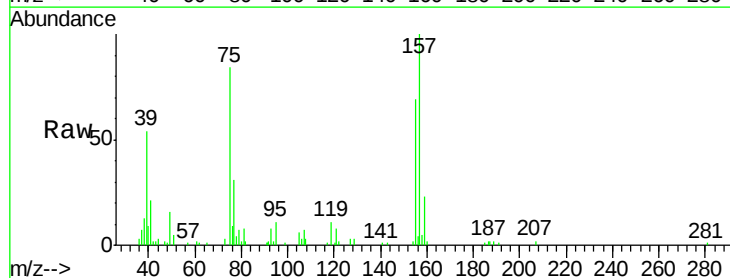


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

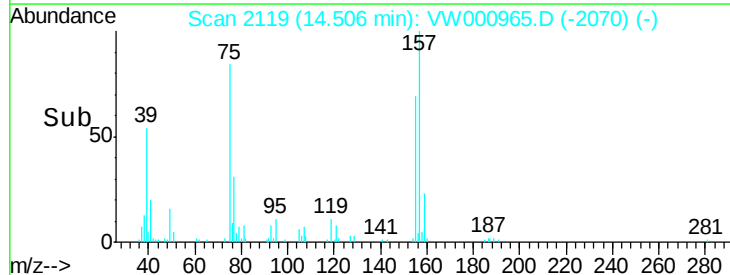
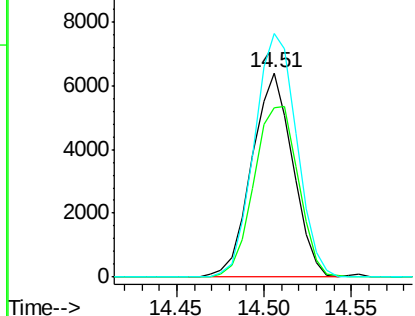


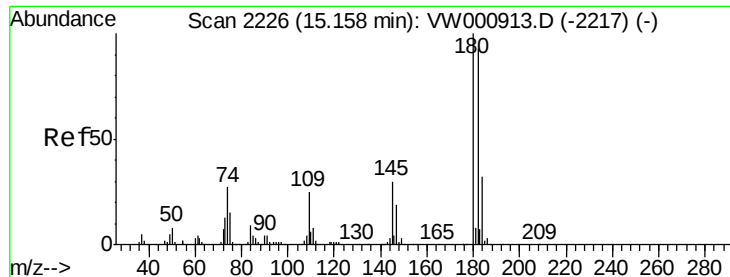
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.41 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion: 75 Resp: 10427
 Ion Ratio Lower Upper
 75 100
 155 90.4 45.9 137.6
 157 123.1 59.8 179.3



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

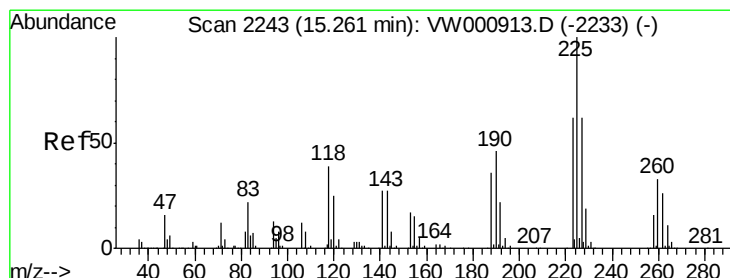
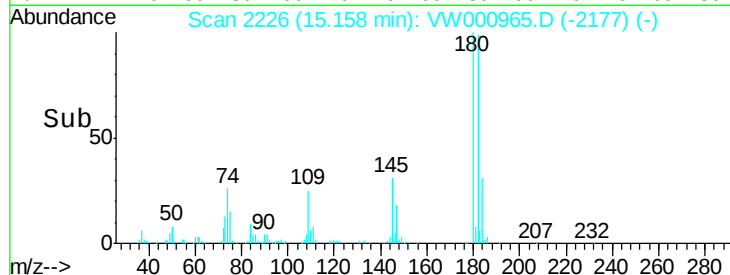
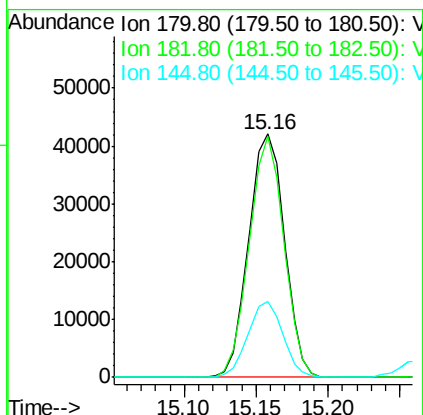
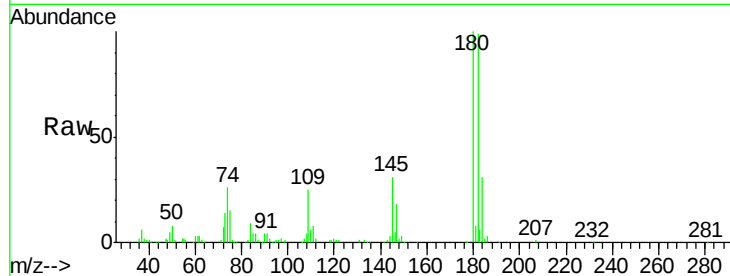




#93
 1,2,4-Trichlorobenzene
 Concen: 20.71 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

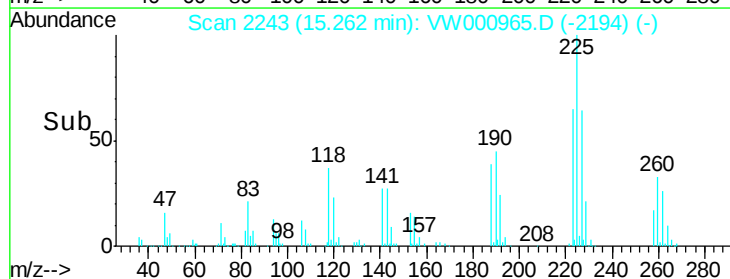
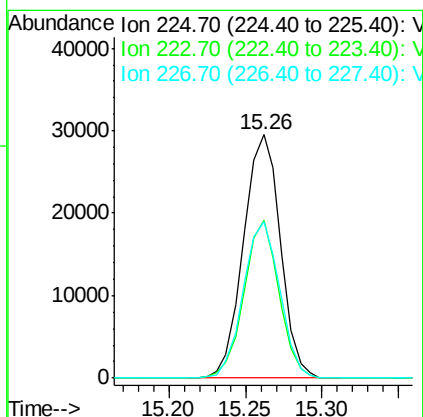
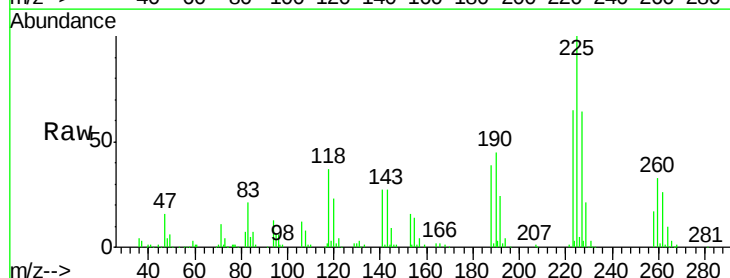
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

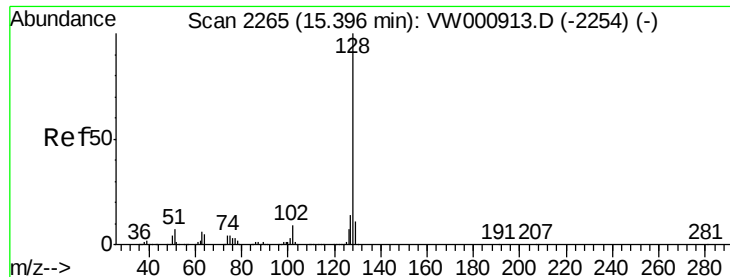
Tgt Ion:180 Resp: 72457
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.5 142.6
 145 30.2 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 22.35 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000965.D
 Acq: 24 Jan 2018 23:10

Tgt Ion:225 Resp: 49563
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.3 93.8
 227 63.5 31.8 95.3





#95

Naphthalene

Concen: 21.42 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

Instrument :

MSVOA_W

ClientSampleId :

VW0124SBS02

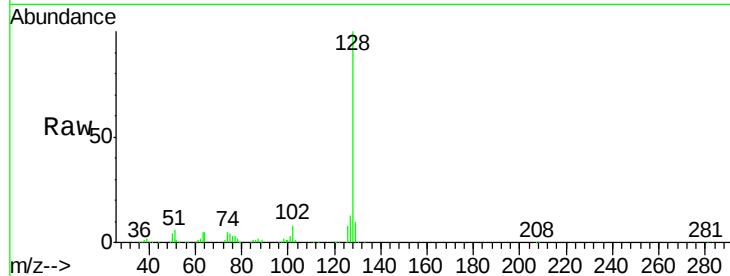
Tgt Ion:128 Resp: 158139

Ion Ratio Lower Upper

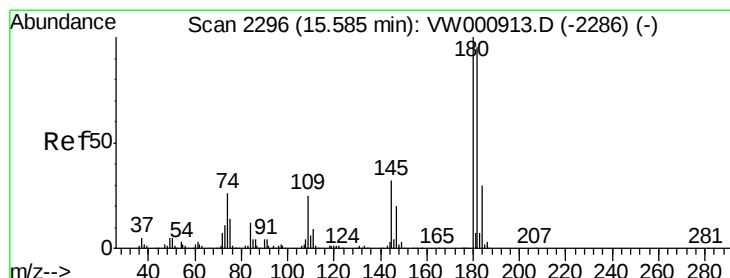
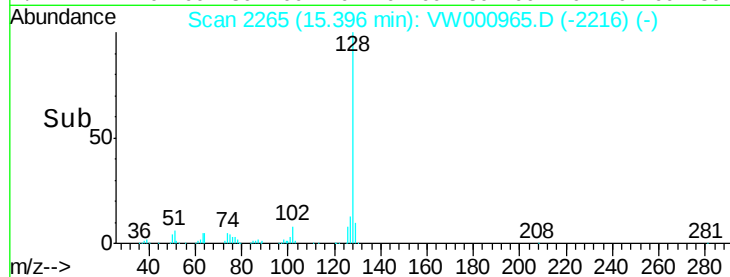
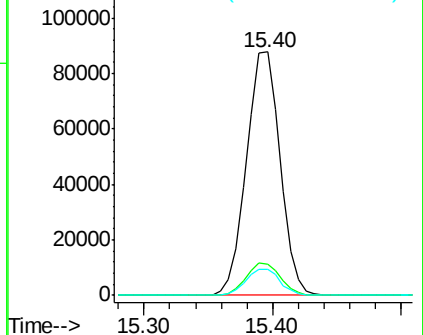
128 100

127 13.4 10.6 15.8

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.34 ug/l

RT: 15.58 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VW000965.D

Acq: 24 Jan 2018 23:10

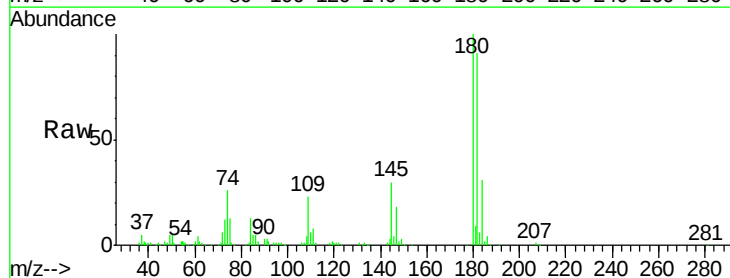
Tgt Ion:180 Resp: 68676

Ion Ratio Lower Upper

180 100

182 94.9 47.4 142.3

145 31.6 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

