

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012919\
 Data File : VW008444.D
 Acq On : 29 Jan 2019 11:42
 Operator : SY/VA
 Sample : VW0129SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Quant Time: Jan 30 01:12:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	437018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	644910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	566844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	282517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	192377	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	7.88	113	195550	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.32	98	771076	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	277436	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35057	16.231	ug/l	97
3) Chloromethane	2.21	50	52672	14.765	ug/l	99
4) Vinyl Chloride	2.36	62	77473	17.061	ug/l	99
5) Bromomethane	2.78	94	55301	18.881	ug/l	94
6) Chloroethane	2.93	64	51474	18.535	ug/l	99
7) Trichlorofluoromethane	3.26	101	57950	18.010	ug/l	99
8) Diethyl Ether	3.67	74	36574	16.782	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	72563	18.358	ug/l	97
10) Methyl Iodide	4.26	142	117058	18.750	ug/l	98
11) Tert butyl alcohol	5.17	59	24546	71.012	ug/l	99
12) 1,1-Dichloroethene	4.03	96	73687	18.421	ug/l	96
13) Acrolein	3.89	56	28477	95.998	ug/l	99
14) Allyl chloride	4.67	41	122340	16.106	ug/l	97
15) Acrylonitrile	5.36	53	70066	74.452	ug/l	97
16) Acetone	4.12	43	73876	76.625	ug/l	93
17) Carbon Disulfide	4.37	76	220095	17.228	ug/l	99
18) Methyl Acetate	4.66	43	35845	13.939	ug/l	91
19) Methyl tert-butyl Ether	5.42	73	107910	16.305	ug/l	100
20) Methylene Chloride	4.90	84	84040	18.912	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	81812	18.192	ug/l	89
22) Diisopropyl ether	6.31	45	222280	15.441	ug/l	93
23) Vinyl Acetate	6.25	43	627197	73.784	ug/l	98
24) 1,1-Dichloroethane	6.21	63	136319	16.729	ug/l	99
25) 2-Butanone	7.17	43	95953	71.652	ug/l	100
26) 2,2-Dichloropropane	7.16	77	97824	17.760	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	82900	16.914	ug/l	98
28) Bromochloromethane	7.51	49	62183	16.614	ug/l	95
29) Tetrahydrofuran	7.52	42	59272	69.845	ug/l	95
30) Chloroform	7.67	83	135299	16.881	ug/l	92
31) Cyclohexane	7.95	56	138492	16.437	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	123466	17.835	ug/l	98
36) 1,1-Dichloropropene	8.08	75	113733	18.670	ug/l	98
37) Ethyl Acetate	7.25	43	42377	15.723	ug/l	97
38) Carbon Tetrachloride	8.06	117	119030	19.417	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	148800	18.594	ug/l	95
40) Benzene	8.32	78	306936	18.157	ug/l	99
41) Methacrylonitrile	7.48	41	25666	16.083	ug/l	93
42) 1,2-Dichloroethane	8.40	62	83806	17.107	ug/l	97
43) Isopropyl Acetate	8.42	43	84948	15.171	ug/l	96
44) Trichloroethene	9.09	130	87397	19.012	ug/l	97
45) 1,2-Dichloropropane	9.37	63	73737	17.494	ug/l	98
46) Dibromomethane	9.46	93	37573	17.332	ug/l	95
47) Bromodichloromethane	9.65	83	100779	17.576	ug/l	98
48) Methyl methacrylate	9.43	41	40816	14.908	ug/l	96
49) 1,4-Dioxane	9.44	88	12874	351.330	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	206730	74.732	ug/l	99
52) Toluene	10.38	92	202411	18.139	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	101760	16.678	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	120318	17.376	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	52411	17.430	ug/l	94
56) Ethyl methacrylate	10.65	69	64626	15.338	ug/l	97
57) 1,3-Dichloropropane	10.93	76	91268	16.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	175729	85.840	ug/l	96
59) 2-Hexanone	10.97	43	147096	75.322	ug/l	99
60) Dibromochloromethane	11.13	129	66797	17.286	ug/l	100
61) 1,2-Dibromoethane	11.23	107	51136	17.151	ug/l	100
64) Tetrachloroethene	10.87	164	74687	19.460	ug/l	98
65) Chlorobenzene	11.66	112	218033	18.843	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	77556	18.733	ug/l	100
67) Ethyl Benzene	11.73	91	391693	18.415	ug/l	99
68) m/p-Xylenes	11.84	106	305989	37.078	ug/l	96
69) o-Xylene	12.17	106	143592	18.312	ug/l	97
70) Styrene	12.18	104	226941	17.522	ug/l	97
71) Bromoform	12.35	173	39294	16.869	ug/l #	99
73) Isopropylbenzene	12.47	105	397636	18.879	ug/l	98
74) N-amyl acetate	12.27	43	83134	15.321	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	57195	17.152	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	79936	32.543	ug/l	25
77) Bromobenzene	12.75	156	87803	19.088	ug/l	92
78) n-propylbenzene	12.80	91	474853	18.771	ug/l	98
79) 2-Chlorotoluene	12.90	91	266296	18.655	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	328748	18.674	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	20205	16.247	ug/l	95
82) 4-Chlorotoluene	12.99	91	272795	17.949	ug/l	95
83) tert-Butylbenzene	13.21	119	303050	19.345	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	333136	18.618	ug/l	100
85) sec-Butylbenzene	13.39	105	425278	19.009	ug/l	99
86) p-Isopropyltoluene	13.50	119	374428	19.106	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	177303	19.086	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	176024	19.066	ug/l	100
89) n-Butylbenzene	13.83	91	357514	18.580	ug/l	99
90) Hexachloroethane	14.10	117	72296	18.864	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	154820	18.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10539	16.657	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	113200	19.299	ug/l	100
94) Hexachlorobutadiene	15.24	225	71172	20.133	ug/l	99
95) Naphthalene	15.37	128	183920	17.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	94675	19.027	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

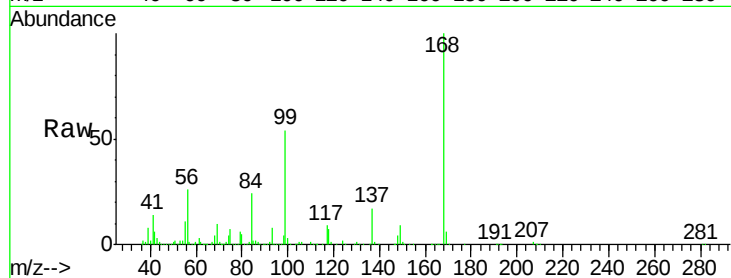
VW0129SBS01

Tgt Ion:168 Resp: 437018

Ion Ratio Lower Upper

168 100

99 53.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

50000

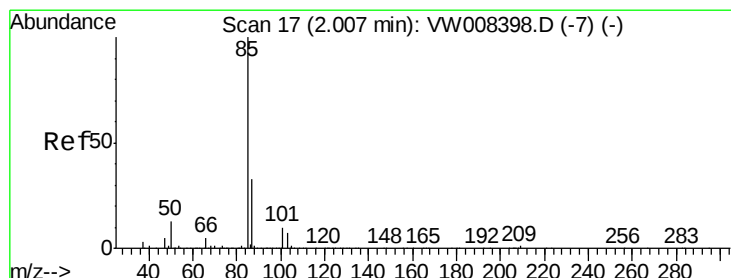
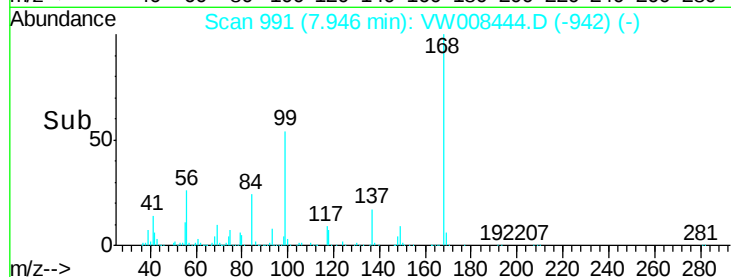
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 16.231 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008444.D

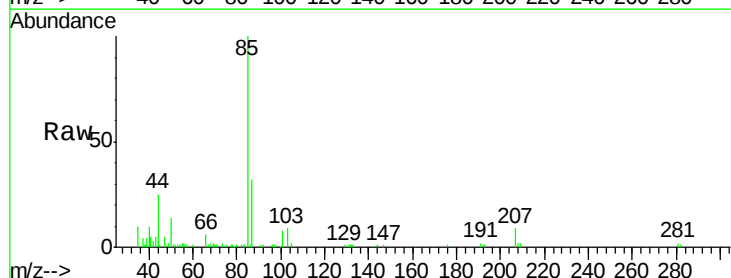
Acq: 29 Jan 2019 11:42

Tgt Ion: 85 Resp: 35057

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

5000

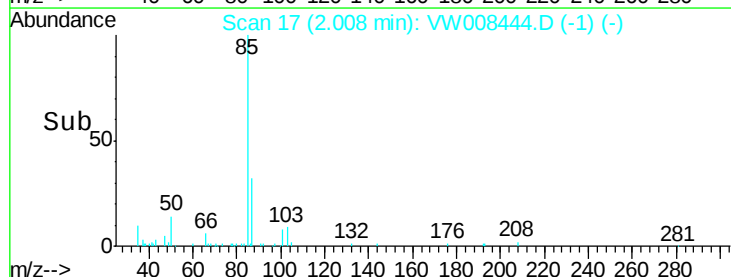
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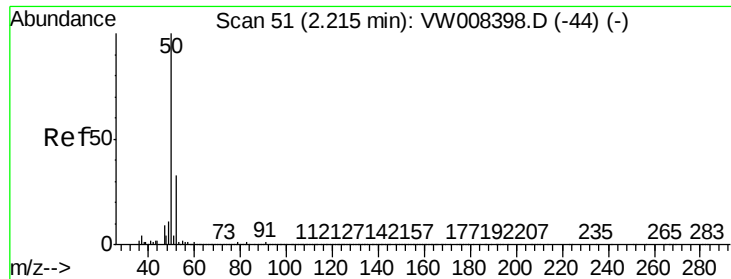
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 14.765 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

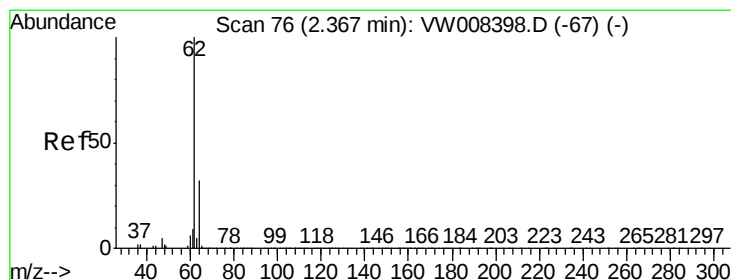
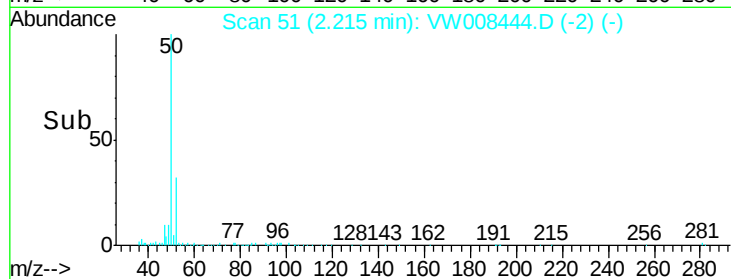
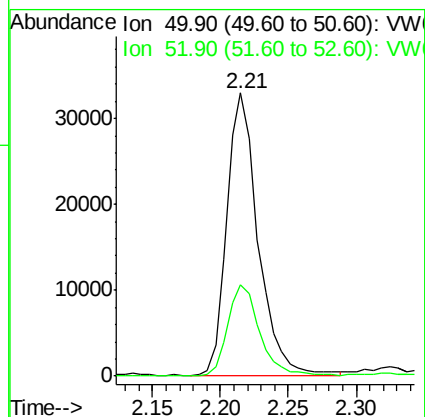
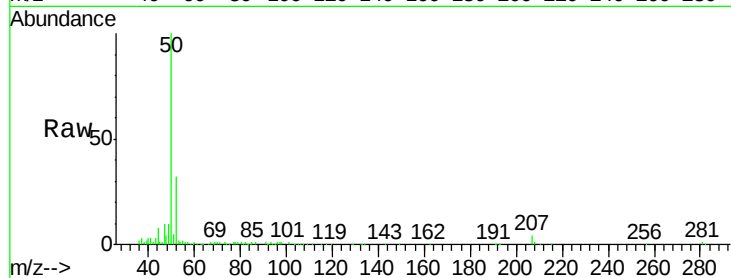
VW0129SBS01

Tgt Ion: 50 Resp: 52672

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



#4

Vinyl Chloride

Concen: 17.061 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008444.D

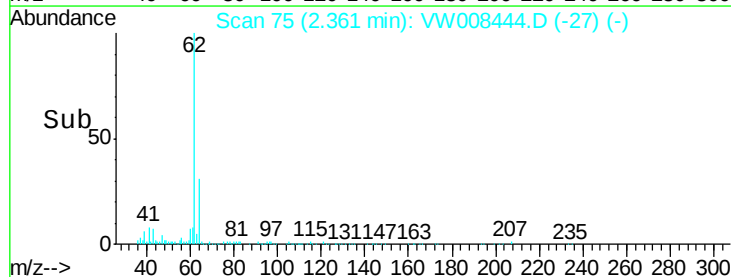
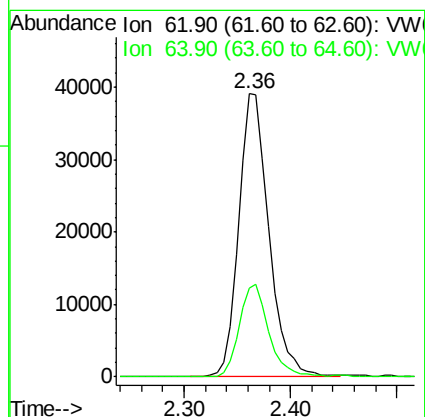
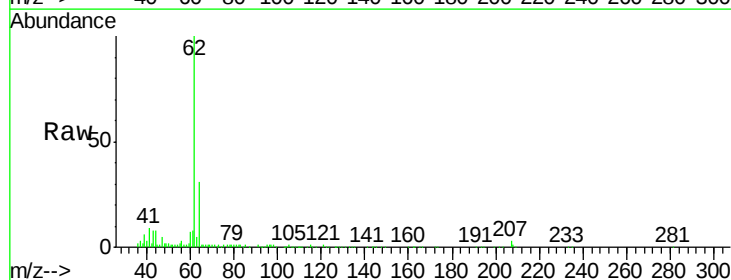
Acq: 29 Jan 2019 11:42

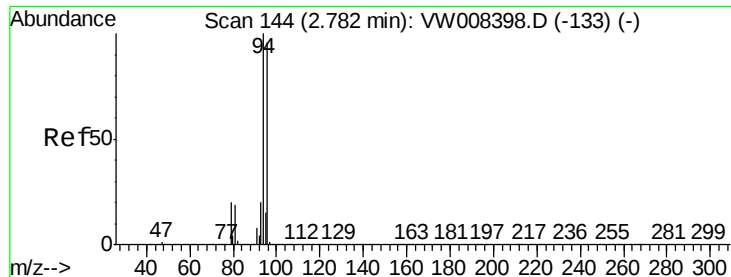
Tgt Ion: 62 Resp: 77473

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 18.881 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

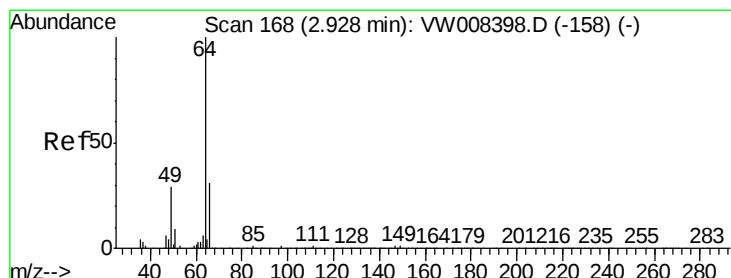
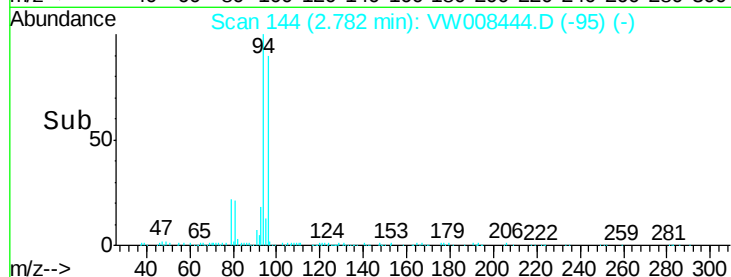
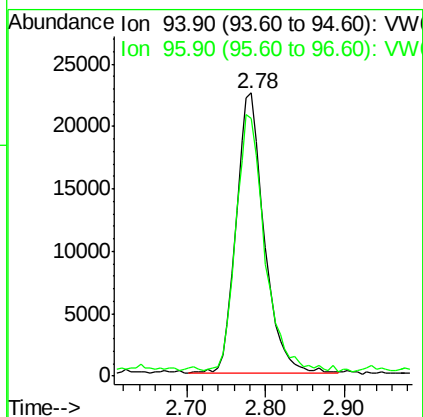
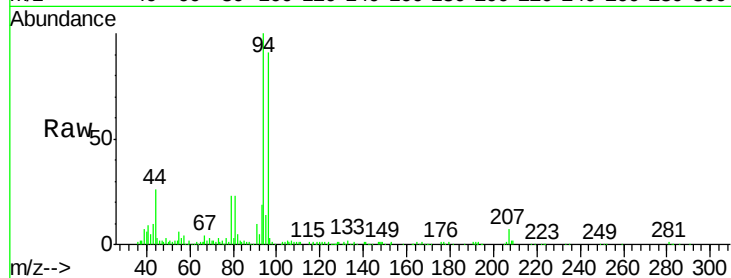
VW0129SBS01

Tgt Ion: 94 Resp: 55301

Ion Ratio Lower Upper

94 100

96 90.7 77.2 115.8



#6

Chloroethane

Concen: 18.535 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008444.D

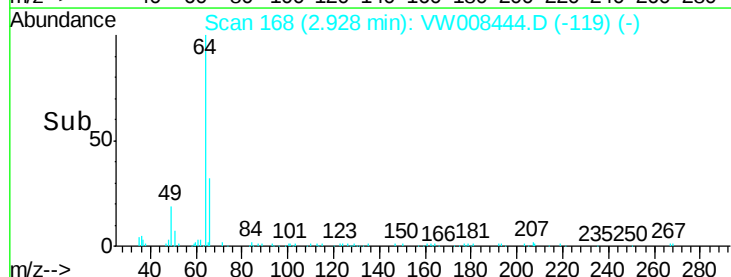
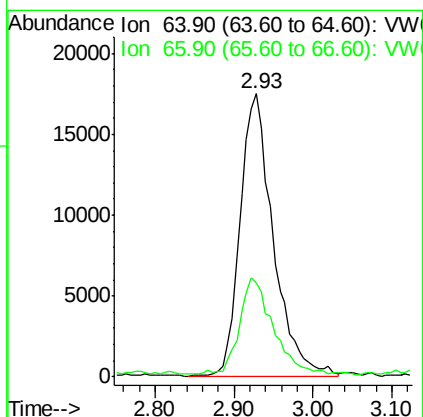
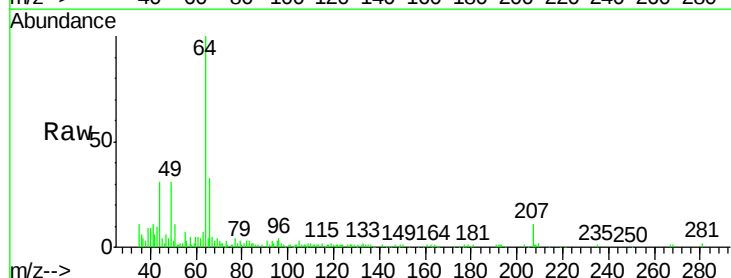
Acq: 29 Jan 2019 11:42

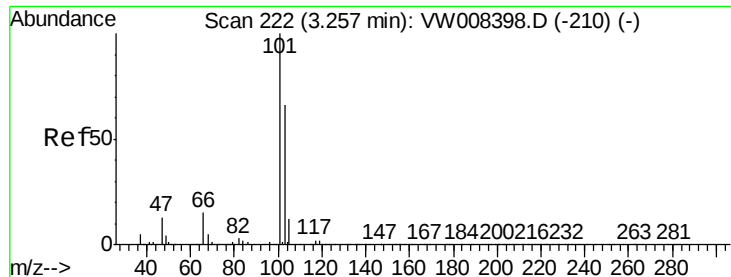
Tgt Ion: 64 Resp: 51474

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3



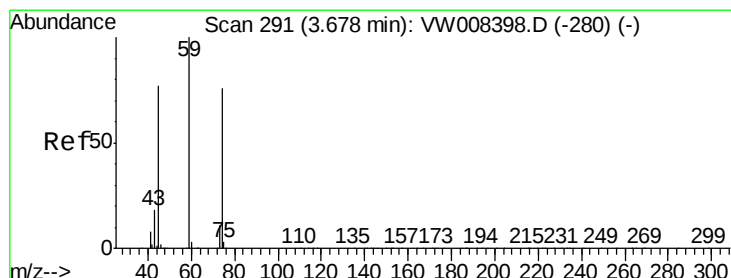
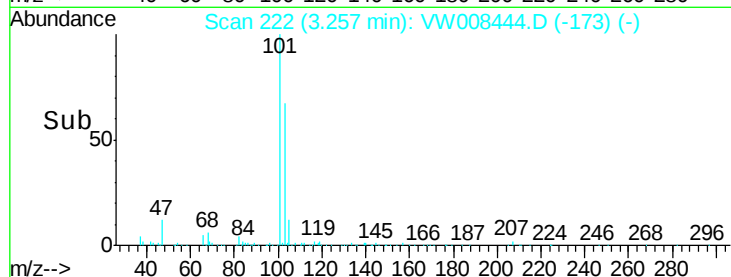
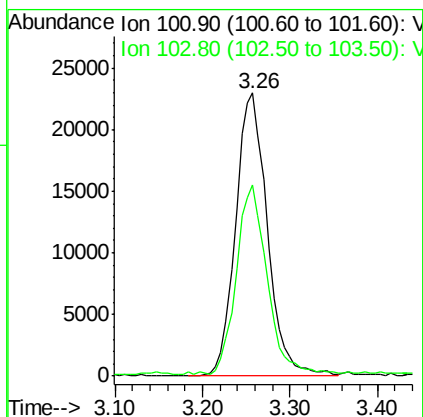
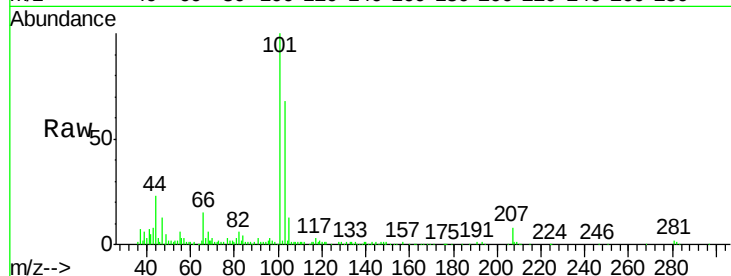


#7

Trichlorofluoromethane
Concen: 18.010 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008444.D
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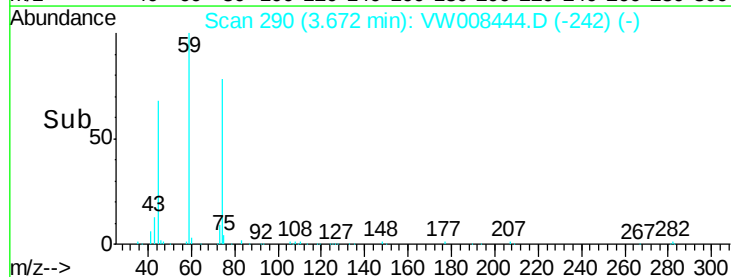
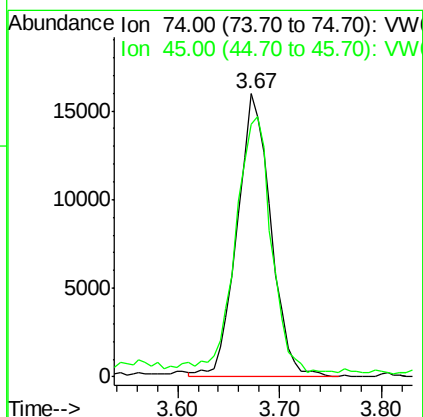
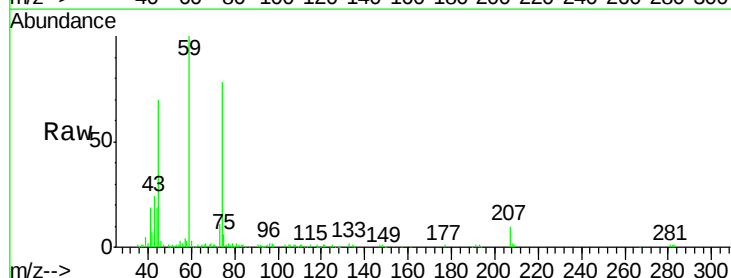
Tgt Ion:101 Resp: 57950
Ion Ratio Lower Upper
101 100
103 66.4 52.5 78.7

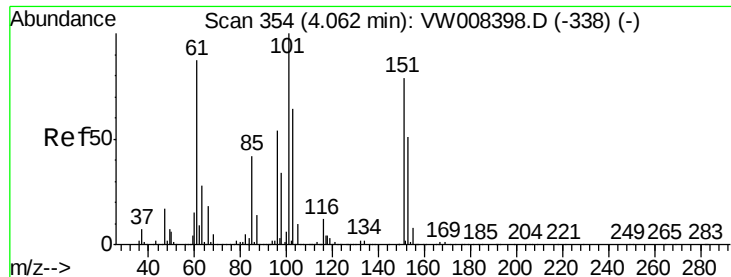


#8

Diethyl Ether
Concen: 16.782 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 74 Resp: 36574
Ion Ratio Lower Upper
74 100
45 93.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.358 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

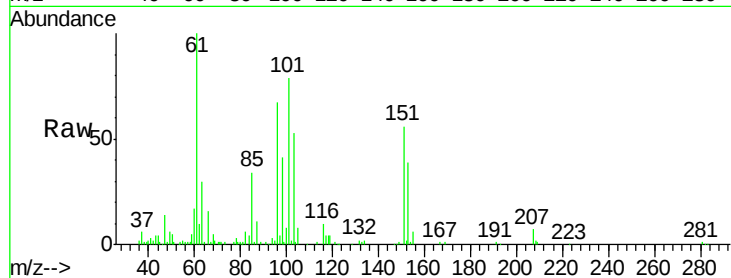
Tgt Ion:101 Resp: 72563

Ion Ratio Lower Upper

101 100

85 43.4 35.0 52.4

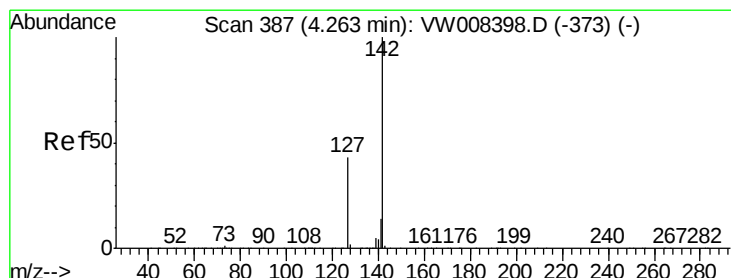
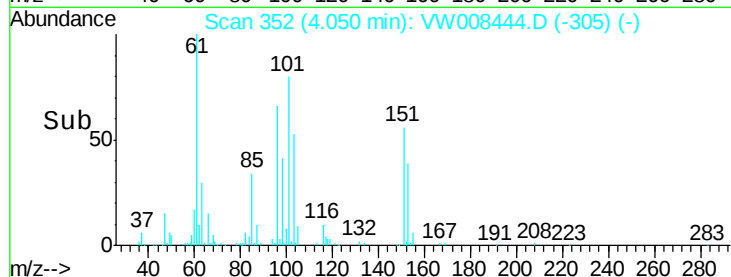
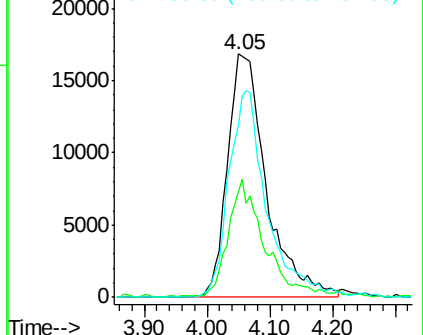
151 82.7 62.6 94.0



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: 18.750 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

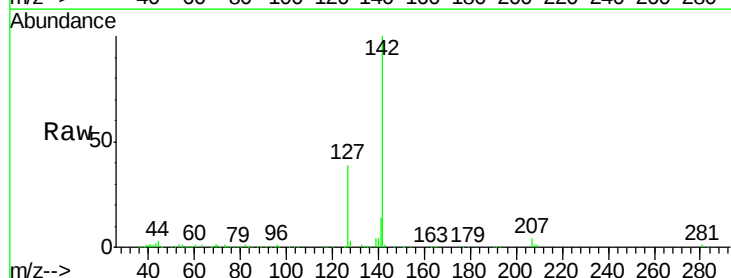
Tgt Ion:142 Resp: 117058

Ion Ratio Lower Upper

142 100

127 42.5 34.6 52.0

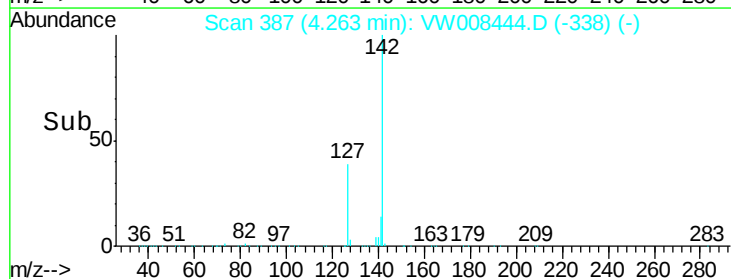
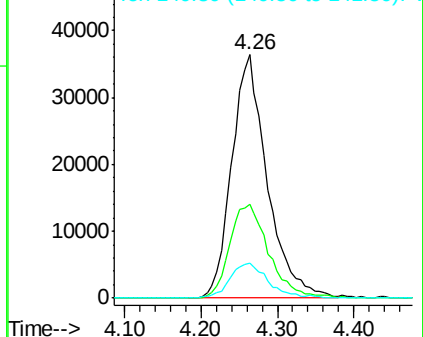
141 15.2 11.4 17.2

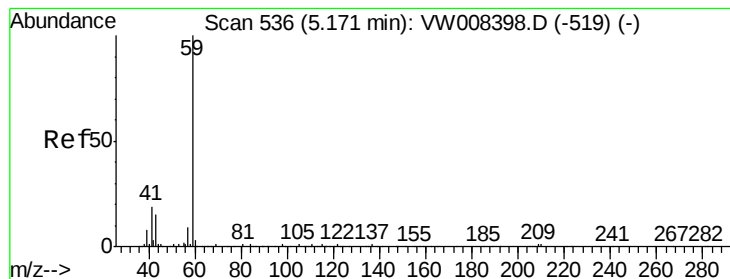


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



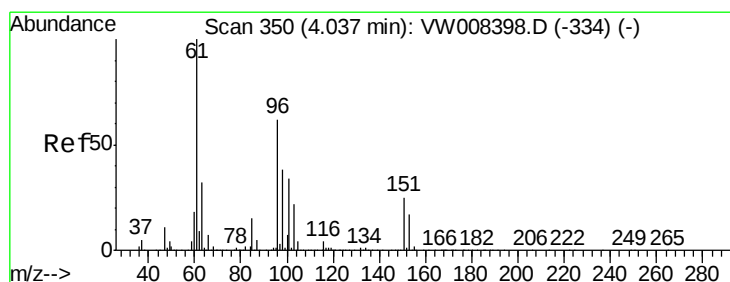
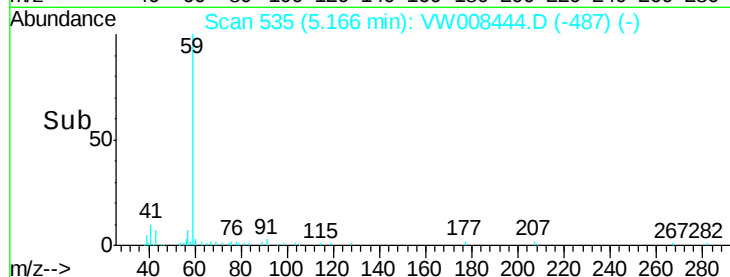
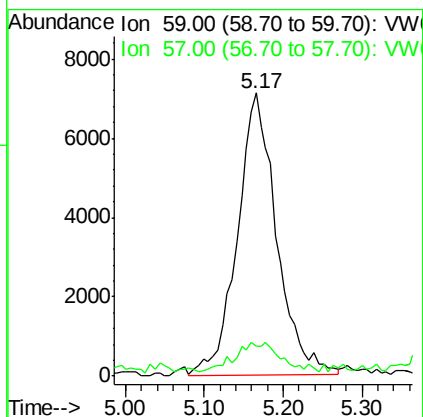
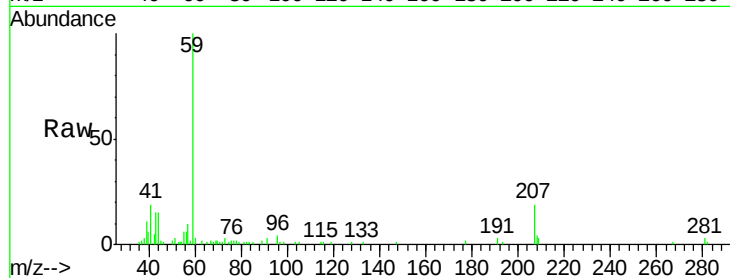


#11

Tert butyl alcohol
Concen: 71.012 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

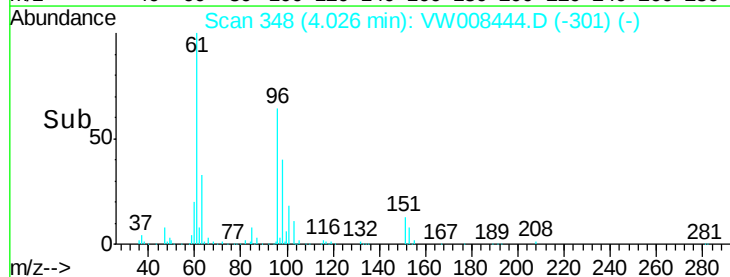
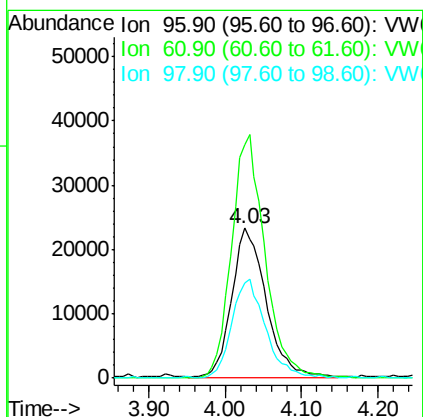
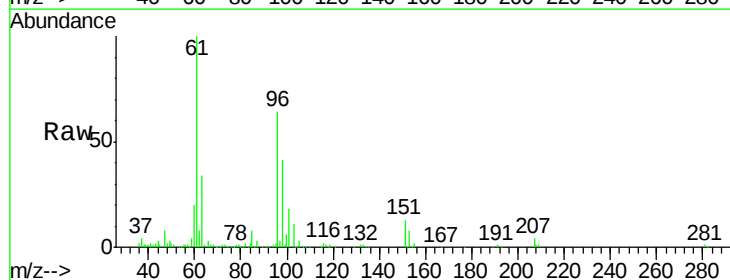
Tgt Ion: 59 Resp: 24546
Ion Ratio Lower Upper
59 100
57 11.1 9.3 13.9

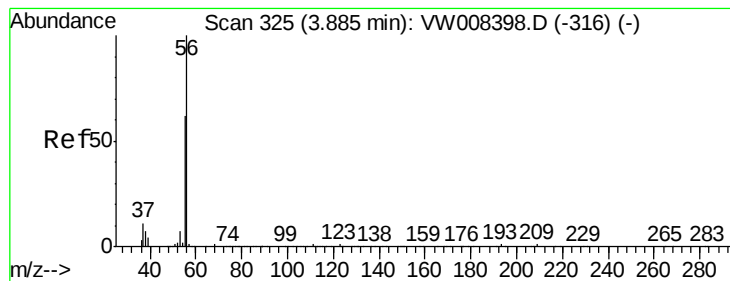


#12

1,1-Dichloroethene
Concen: 18.421 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 96 Resp: 73687
Ion Ratio Lower Upper
96 100
61 156.0 129.5 194.3
98 62.8 48.6 73.0





#13

Acrolein

Concen: 95.998 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

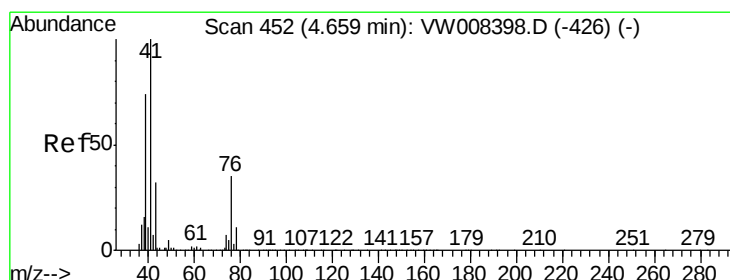
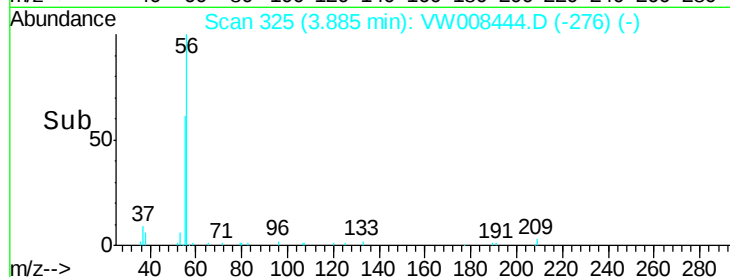
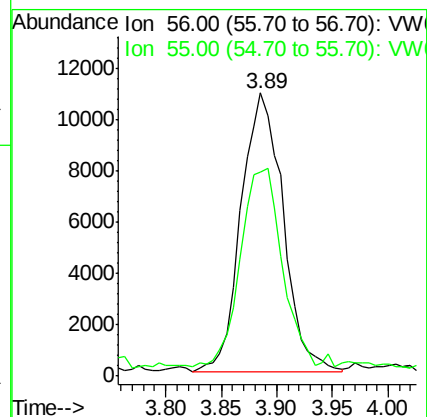
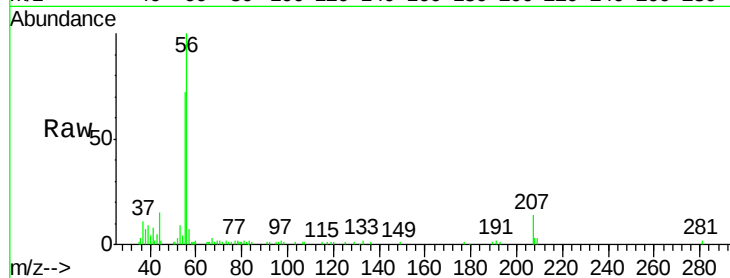
VW0129SBS01

Tgt Ion: 56 Resp: 28477

Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1



#14

Allyl chloride

Concen: 16.106 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

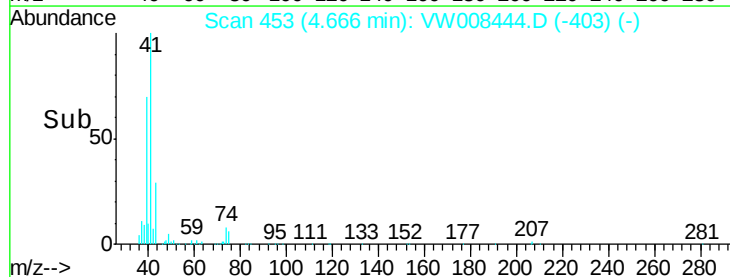
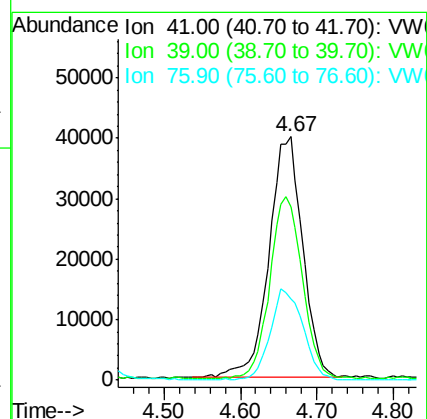
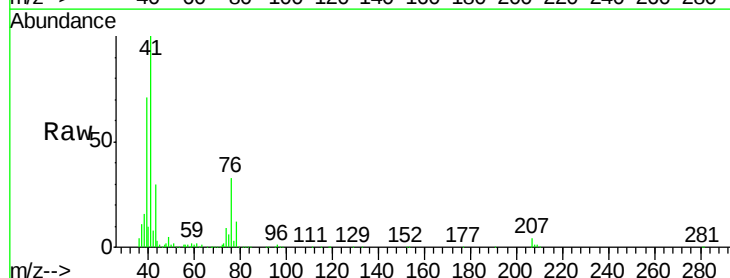
Tgt Ion: 41 Resp: 122340

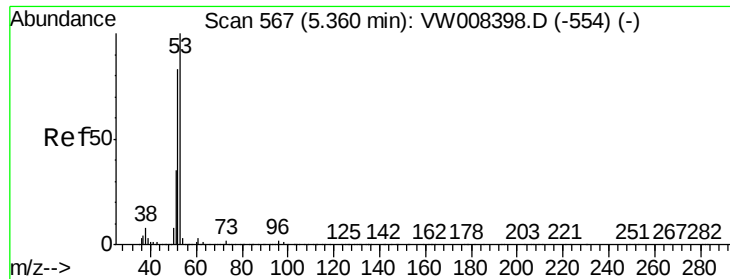
Ion Ratio Lower Upper

41 100

39 73.7 57.7 86.5

76 36.9 26.9 40.3





#15

Acrylonitrile

Concen: 74.452 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

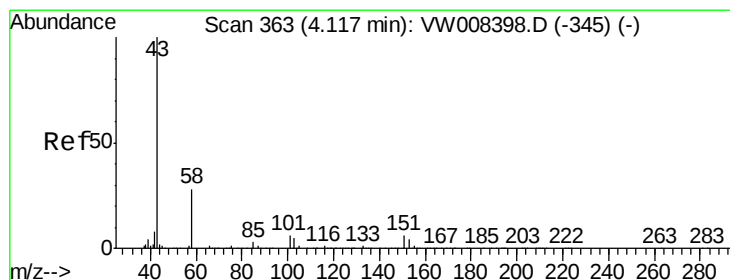
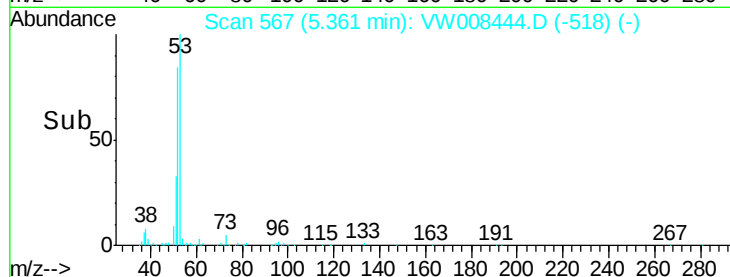
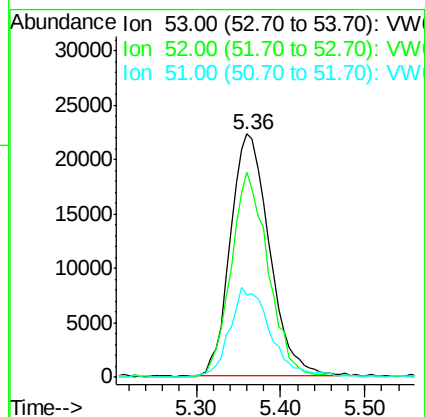
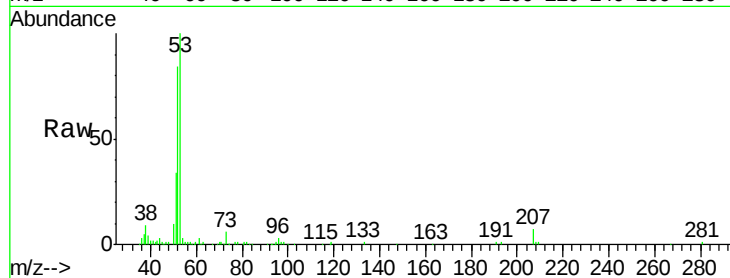
Tgt Ion: 53 Resp: 70066

Ion Ratio Lower Upper

53 100

52 80.8 67.0 100.4

51 38.9 29.8 44.8



#16

Acetone

Concen: 76.625 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008444.D

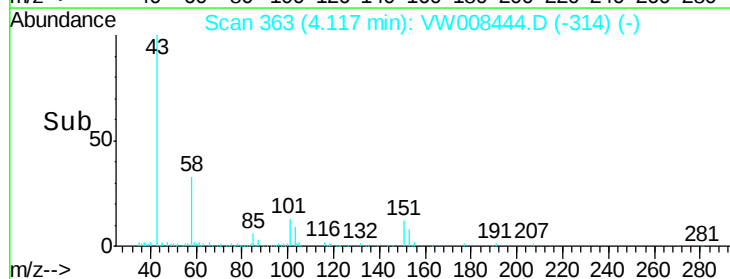
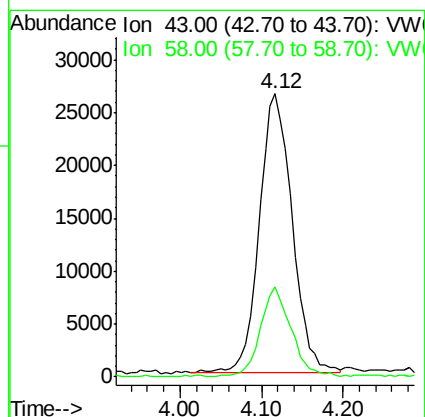
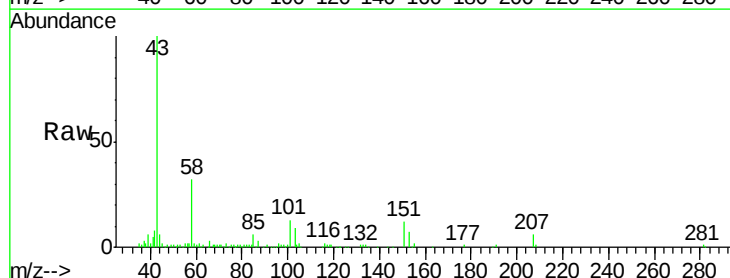
Acq: 29 Jan 2019 11:42

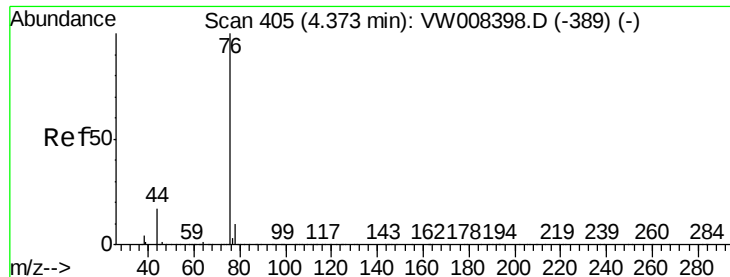
Tgt Ion: 43 Resp: 73876

Ion Ratio Lower Upper

43 100

58 32.1 22.6 34.0

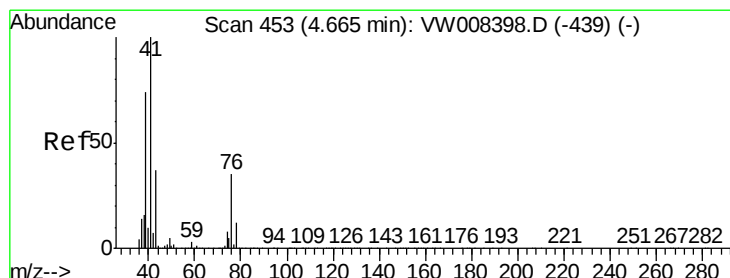
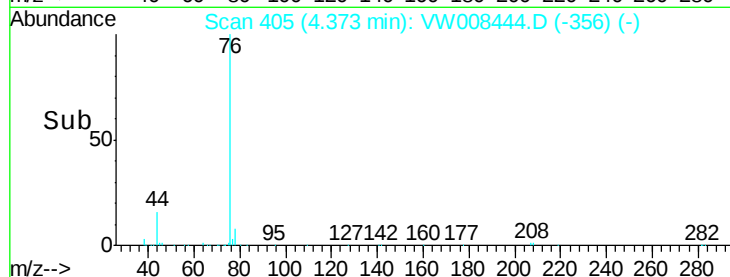
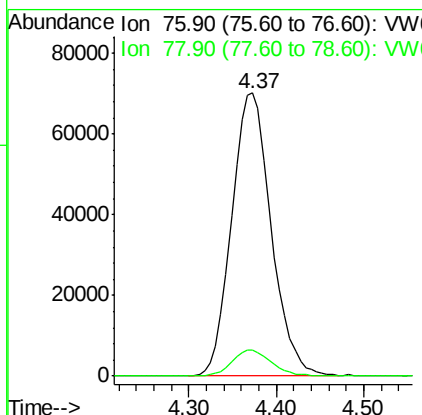
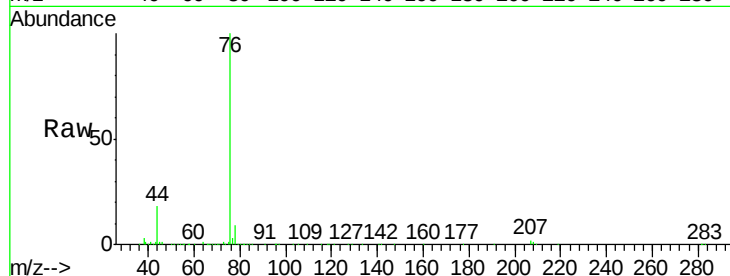




#17
Carbon Disulfide
Concen: 17.228 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

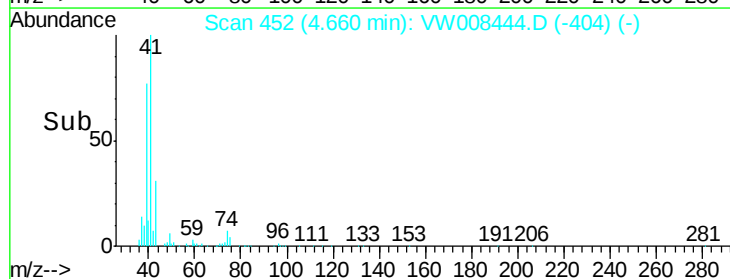
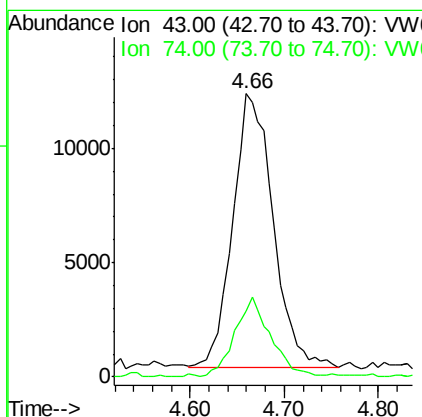
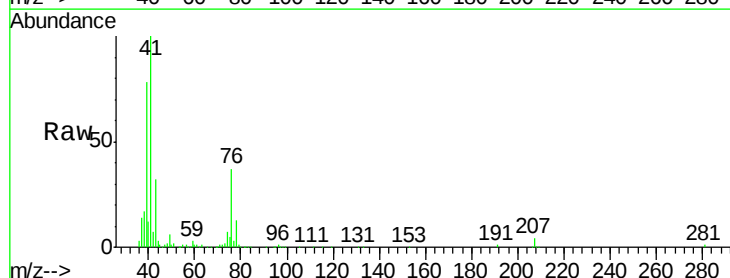
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

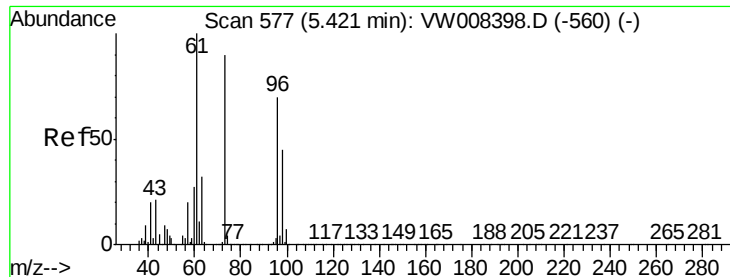
Tgt Ion: 76 Resp: 220095
Ion Ratio Lower Upper
76 100
78 9.1 7.7 11.5



#18
Methyl Acetate
Concen: 13.939 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 43 Resp: 35845
Ion Ratio Lower Upper
43 100
74 26.1 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 16.305 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

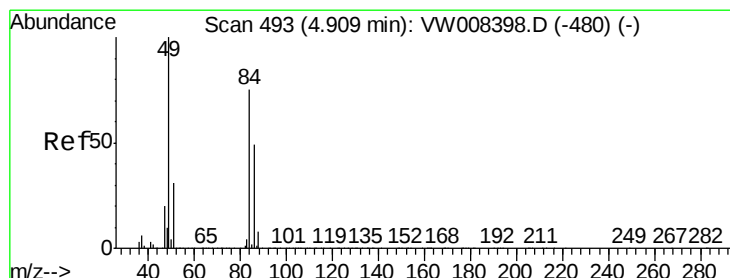
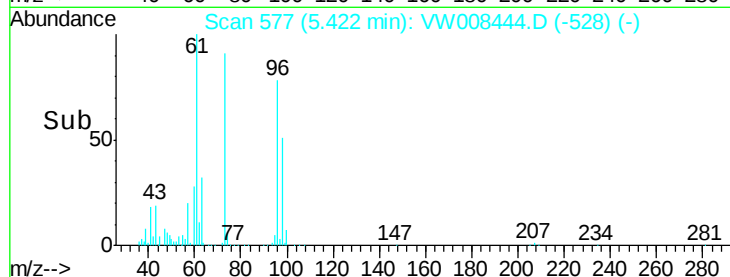
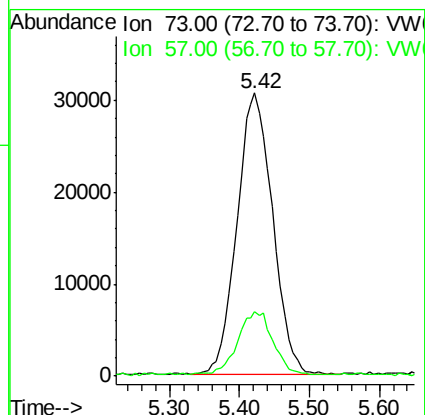
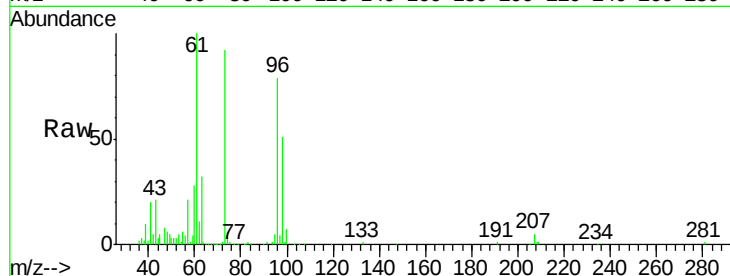
VW0129SBS01

Tgt Ion: 73 Resp: 107910

Ion Ratio Lower Upper

73 100

57 22.6 18.0 27.0



#20

Methylene Chloride

Concen: 18.912 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion: 84 Resp: 84040

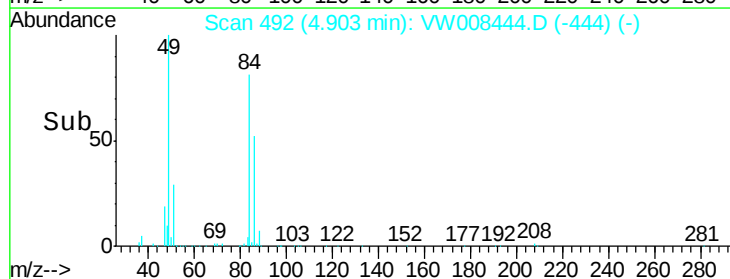
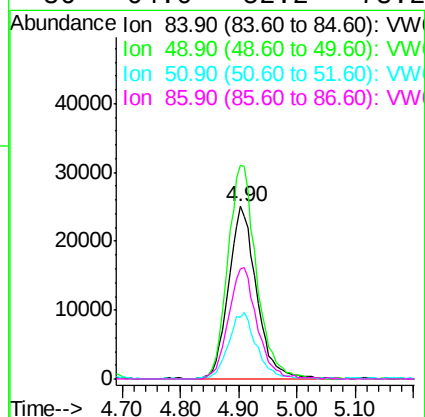
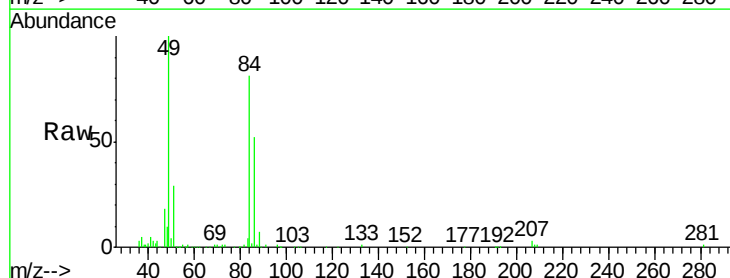
Ion Ratio Lower Upper

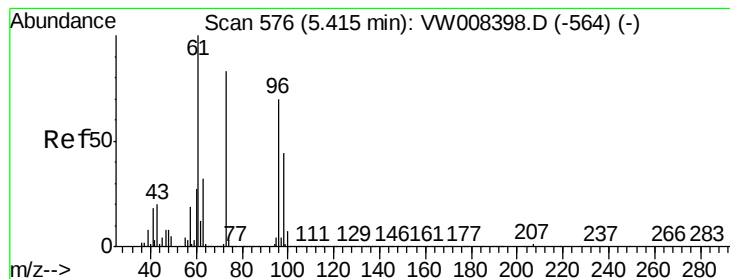
84 100

49 123.7 106.8 160.2

51 35.4 32.9 49.3

86 64.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.192 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

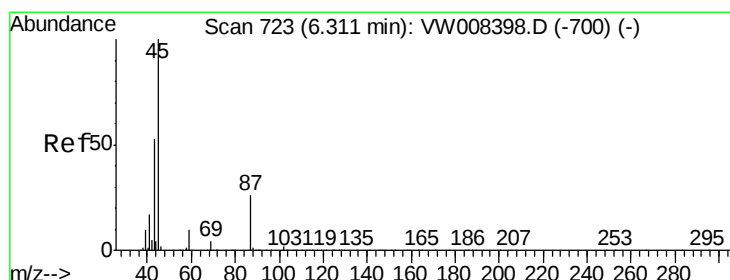
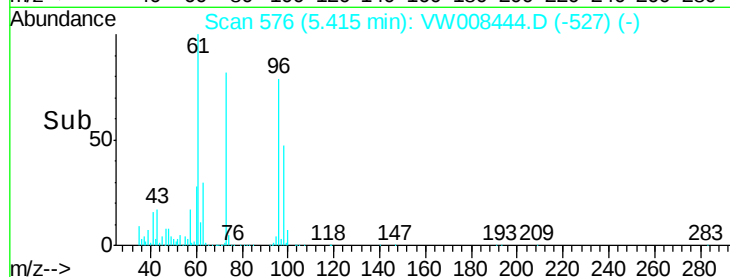
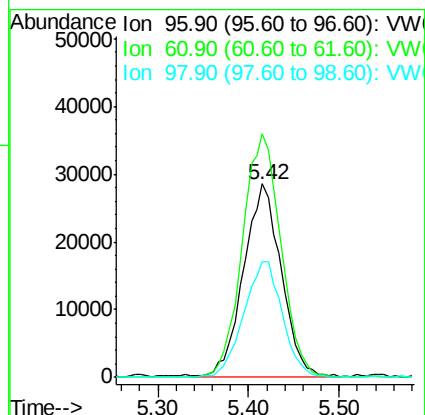
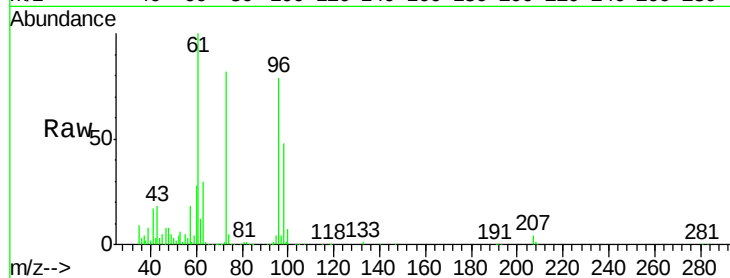
Tgt Ion: 96 Resp: 81812

Ion Ratio Lower Upper

96 100

61 126.0 114.4 171.6

98 59.9 50.6 75.8



#22

Diisopropyl ether

Concen: 15.441 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion: 45 Resp: 222280

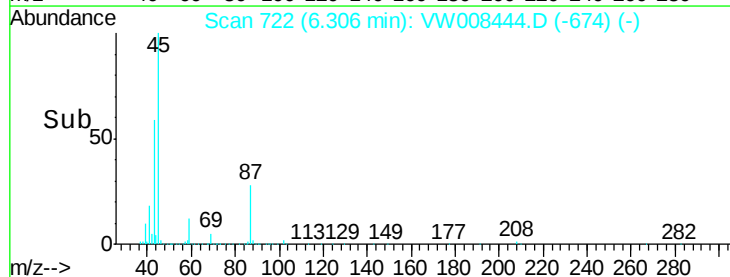
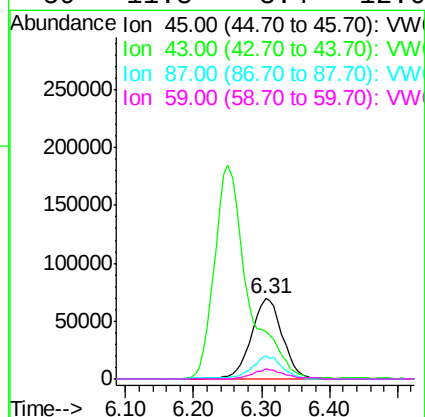
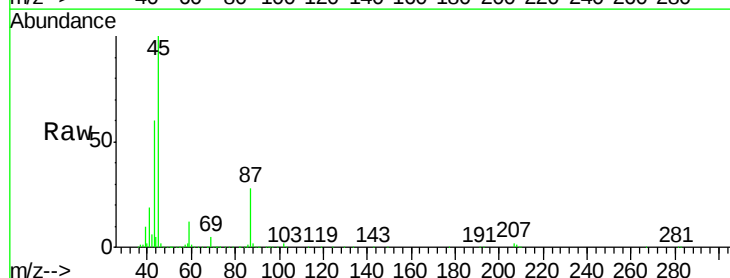
Ion Ratio Lower Upper

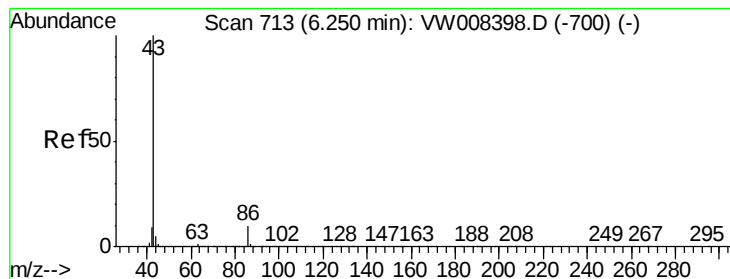
45 100

43 58.7 42.6 63.8

87 28.3 20.3 30.5

59 11.8 8.4 12.6





#23

Vinyl Acetate

Concen: 73.784 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

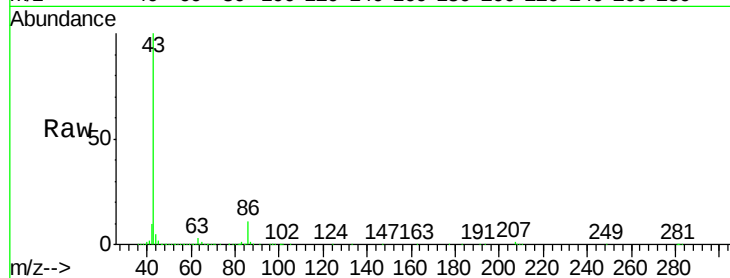
VW0129SBS01

Tgt Ion: 43 Resp: 627197

Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

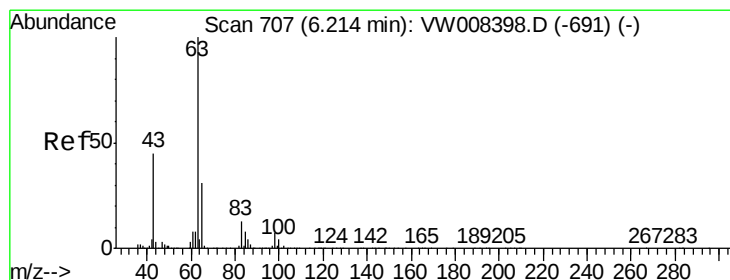
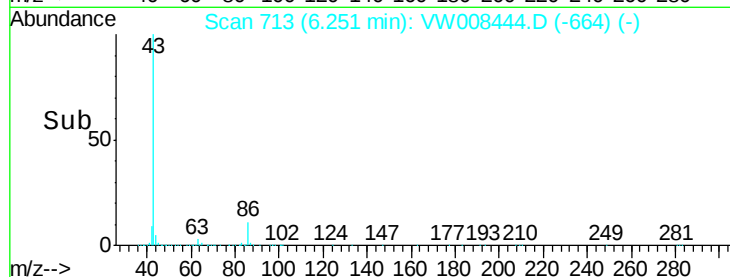
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.729 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

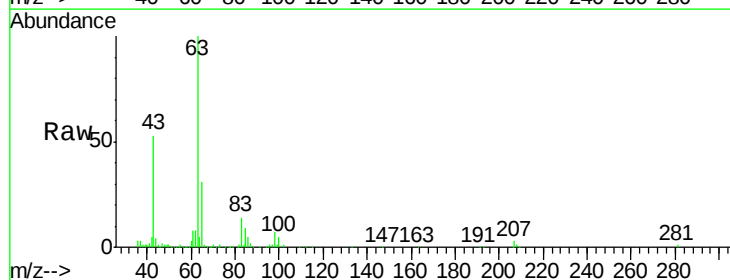
Tgt Ion: 63 Resp: 136319

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 5.1 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

60000

50000

40000

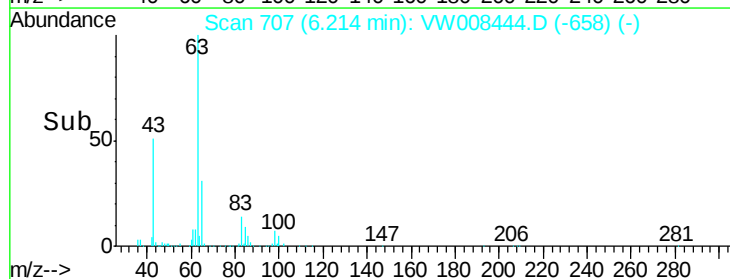
30000

20000

10000

0

Time-->





#25

2-Butanone

Concen: 71.652 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

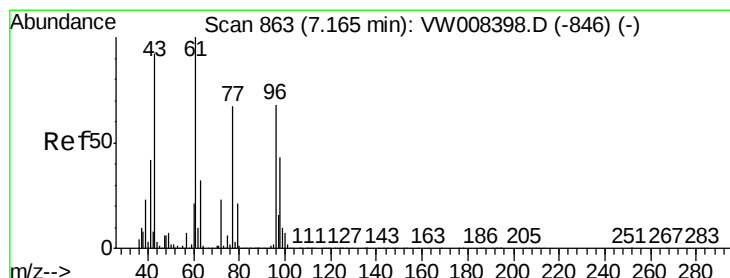
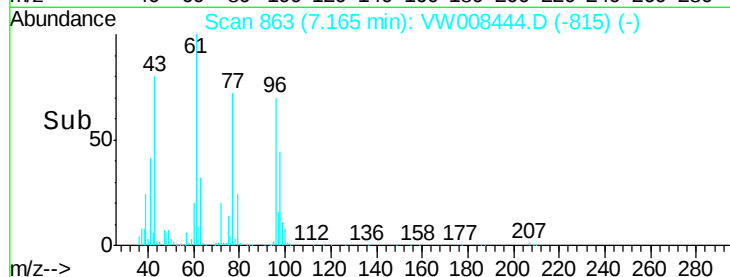
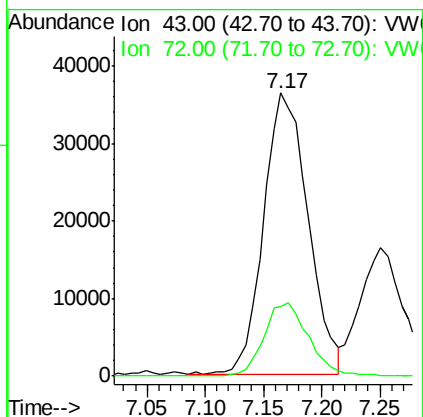
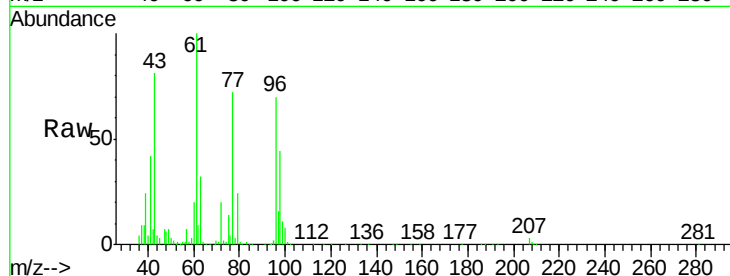
VW0129SBS01

Tgt Ion: 43 Resp: 95953

Ion Ratio Lower Upper

43 100

72 24.9 20.1 30.1



#26

2,2-Dichloropropane

Concen: 17.760 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008444.D

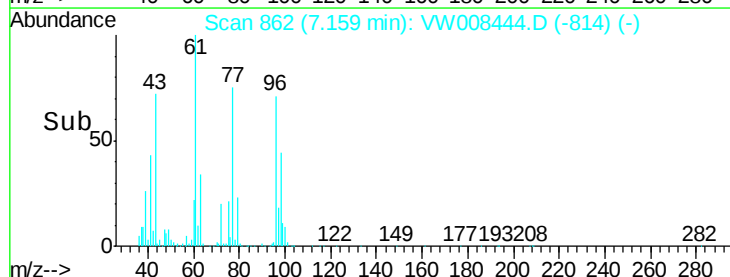
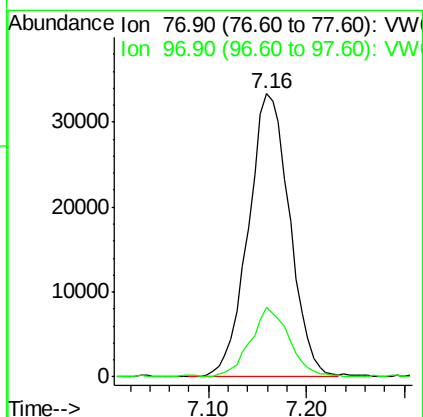
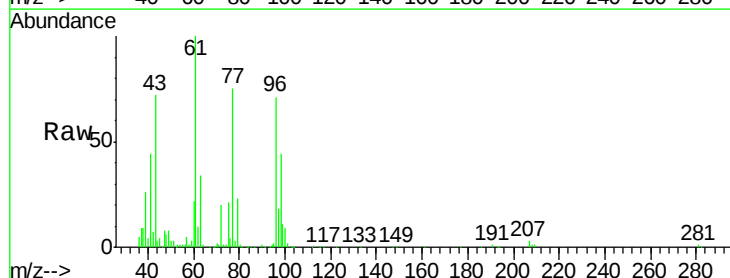
Acq: 29 Jan 2019 11:42

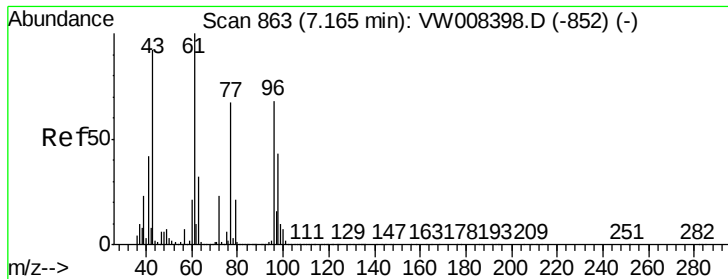
Tgt Ion: 77 Resp: 97824

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5



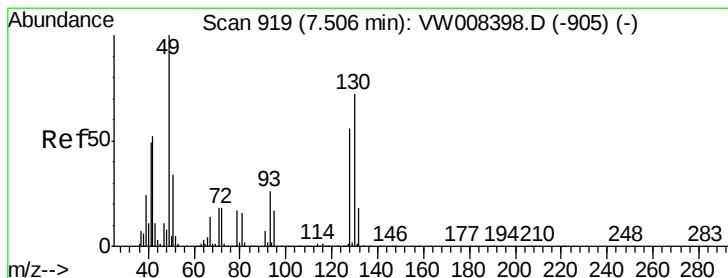
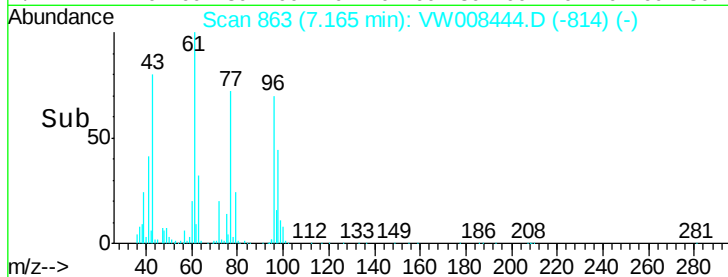
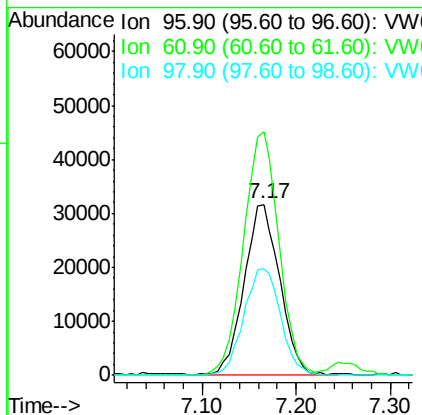
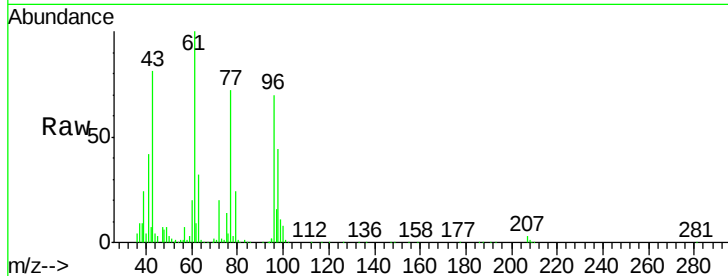


#27

cis-1,2-Dichloroethene
Concen: 16.914 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

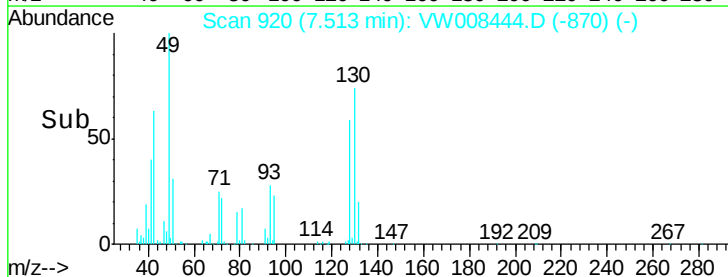
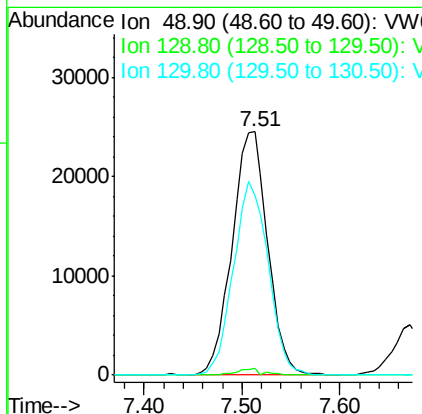
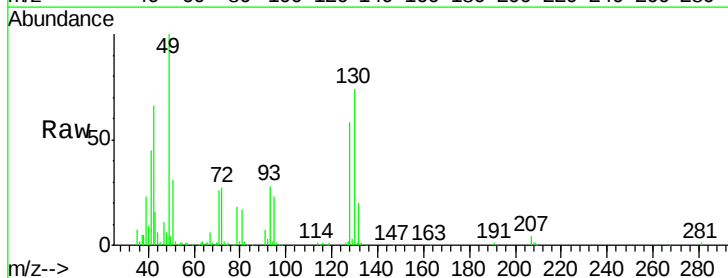
Tgt Ion: 96 Resp: 82900
Ion Ratio Lower Upper
96 100
61 143.9 0.0 292.8
98 65.5 0.0 129.2

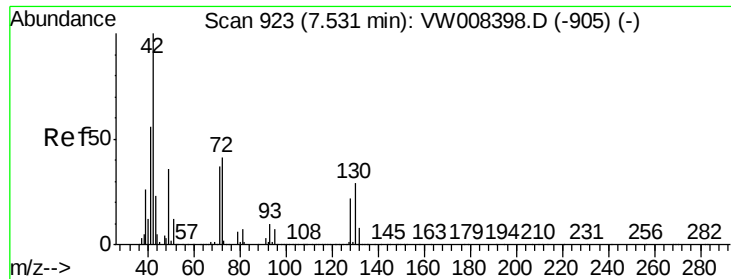


#28

Bromochloromethane
Concen: 16.614 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 49 Resp: 62183
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.6
130 77.5 58.6 87.8

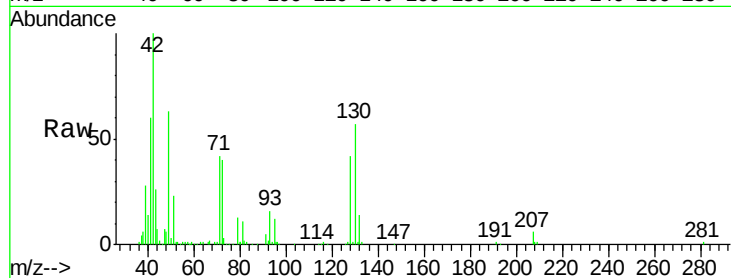




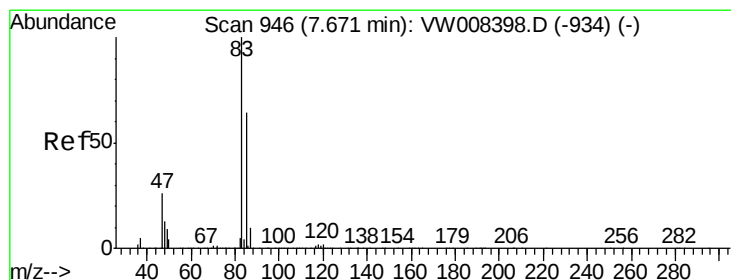
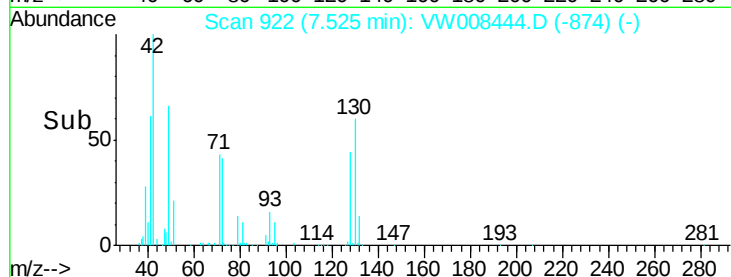
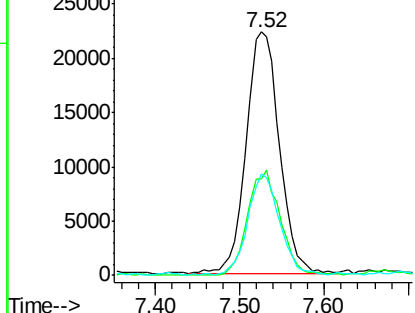
#29
Tetrahydrofuran
Concen: 69.845 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tgt Ion: 42 Resp: 59272
Ion Ratio Lower Upper
42 100
72 43.2 31.9 47.9
71 40.0 29.9 44.9

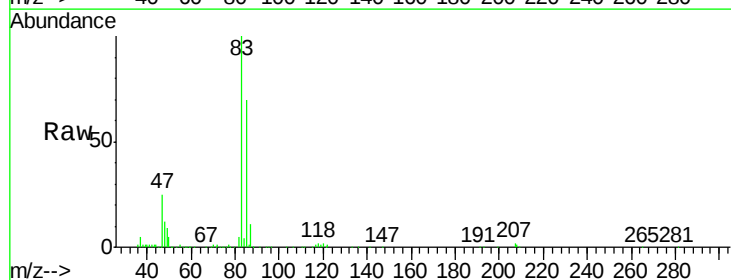


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

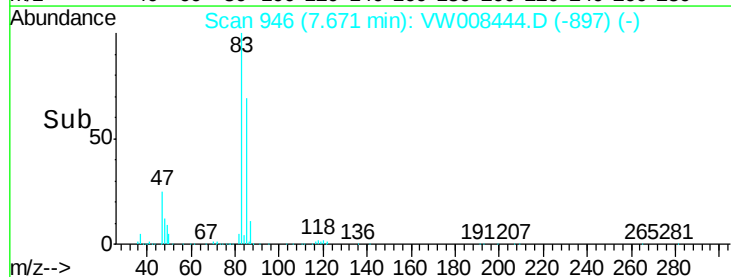
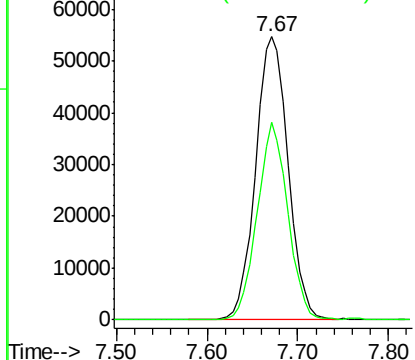


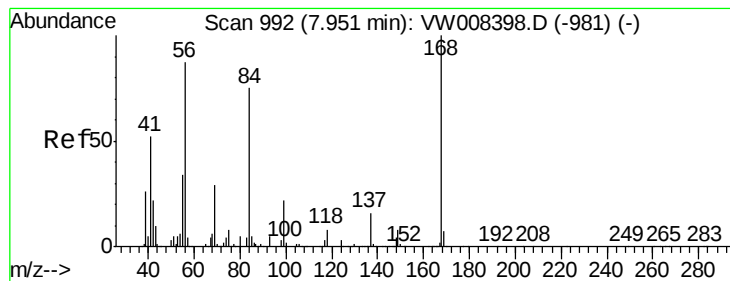
#30
Chloroform
Concen: 16.881 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 83 Resp: 135299
Ion Ratio Lower Upper
83 100
85 69.7 50.9 76.3



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





#31

Cyclohexane

Concen: 16.437 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

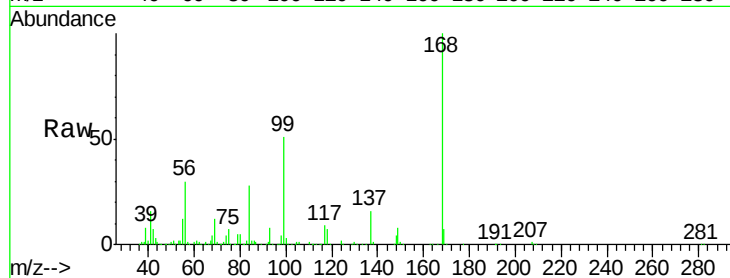
Tgt Ion: 56 Resp: 138492

Ion Ratio Lower Upper

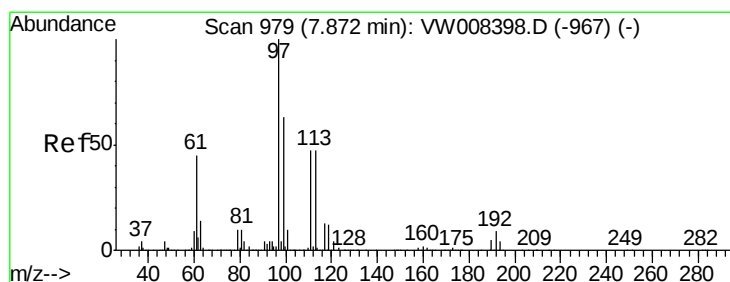
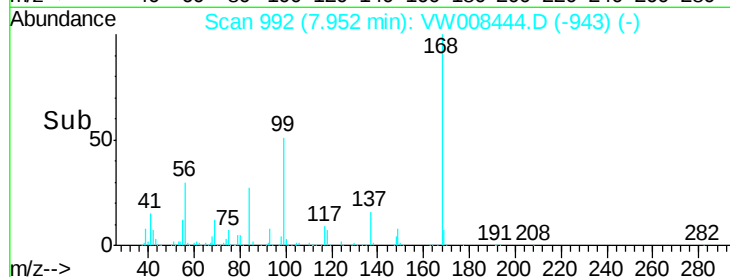
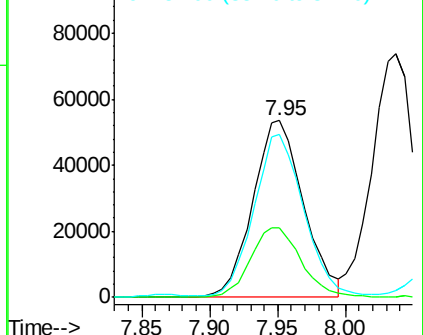
56 100

69 39.0 26.4 39.6

84 91.6 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 17.835 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

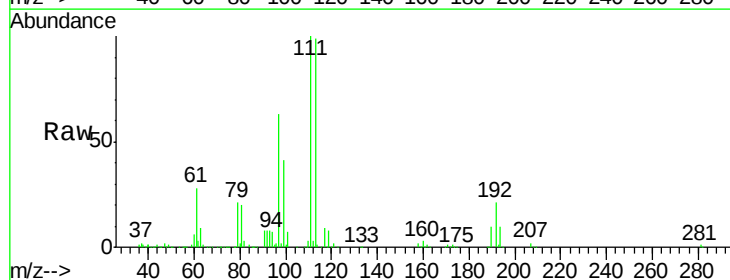
Tgt Ion: 97 Resp: 123466

Ion Ratio Lower Upper

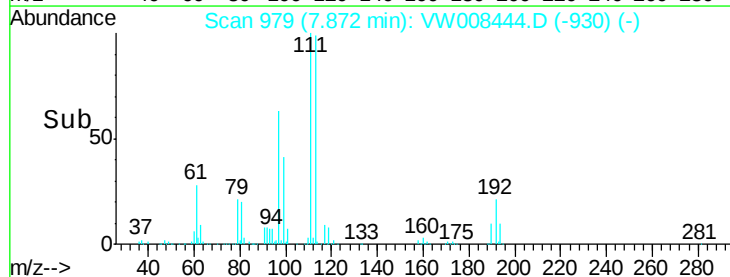
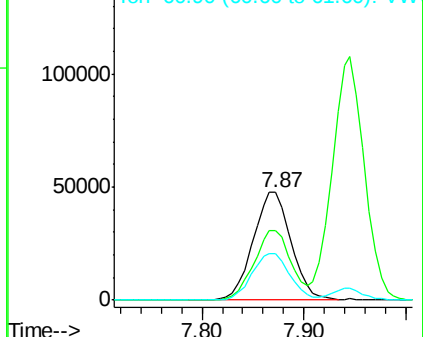
97 100

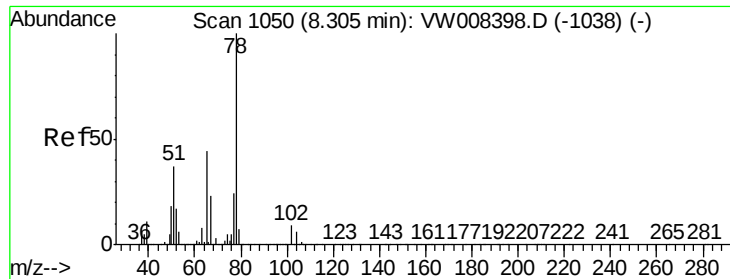
99 63.0 51.3 76.9

61 42.9 36.2 54.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

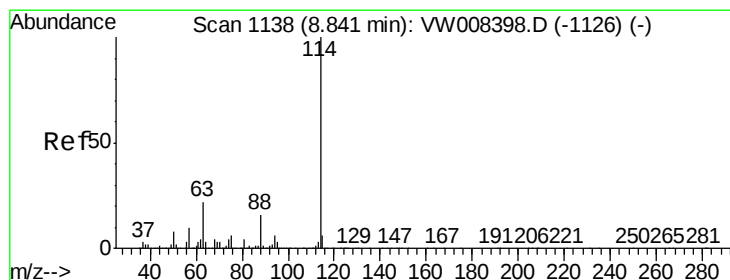
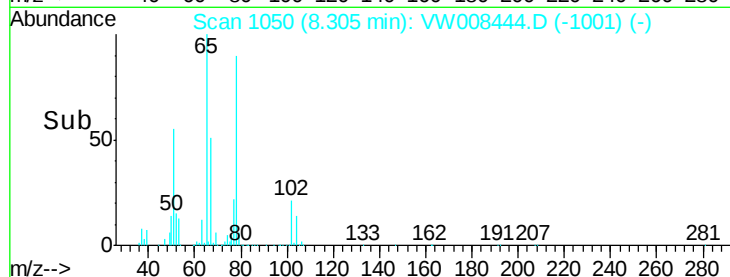
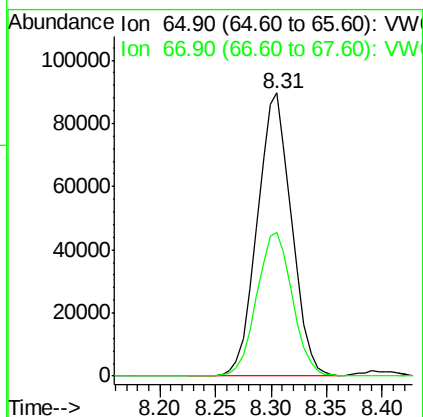
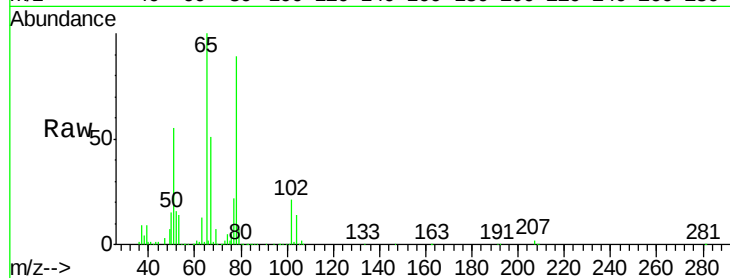




#33
 1,2-Dichloroethane-d4
 Concen: 44.809 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

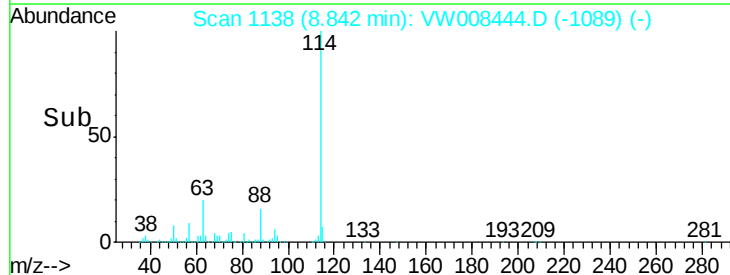
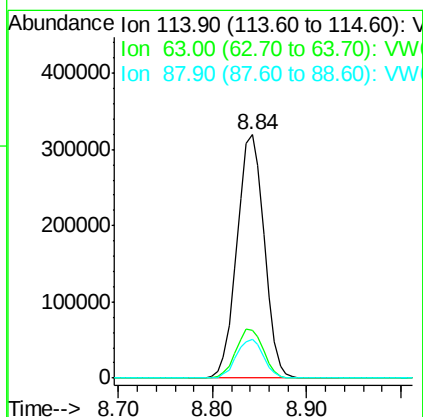
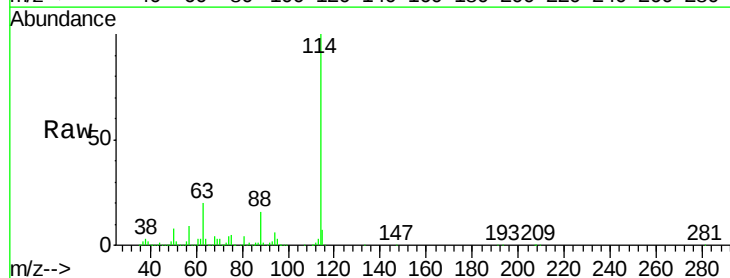
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

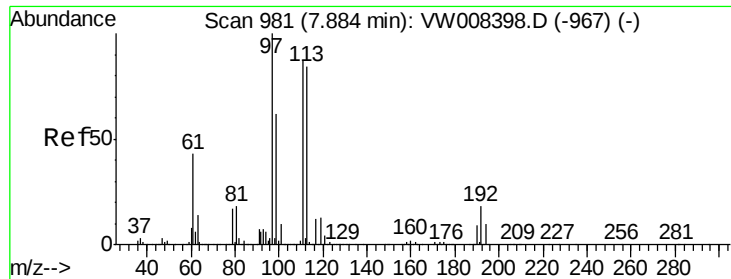
Tgt Ion: 65 Resp: 192377
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion: 114 Resp: 644910
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 43.6
 88 15.8 0.0 31.8

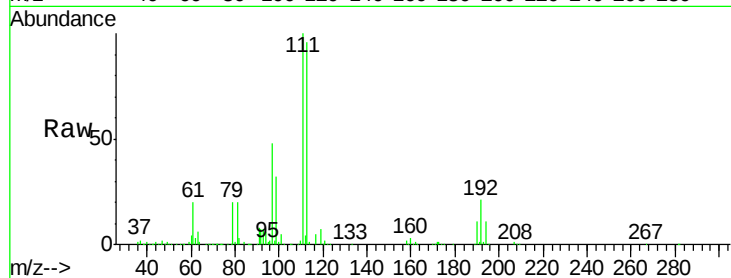




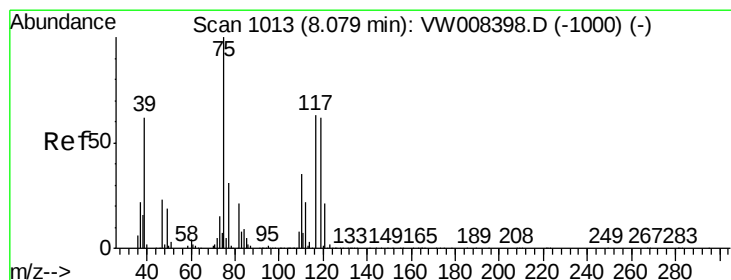
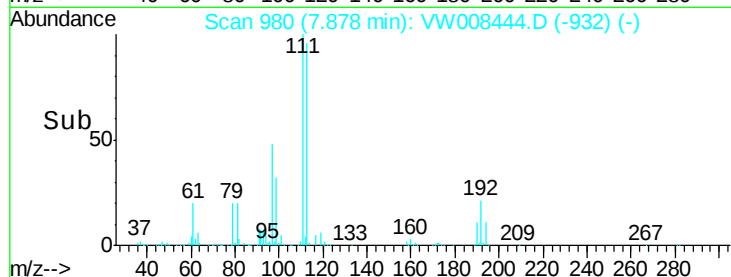
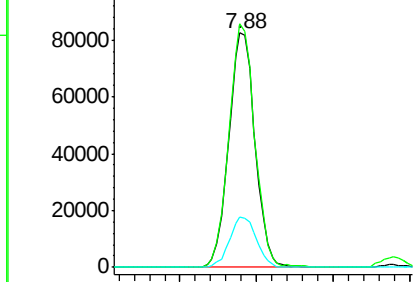
#35
 Dibromofluoromethane
 Concen: 51.856 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tgt Ion: 113 Resp: 195550
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.0 121.4
 192 21.9 16.8 25.2

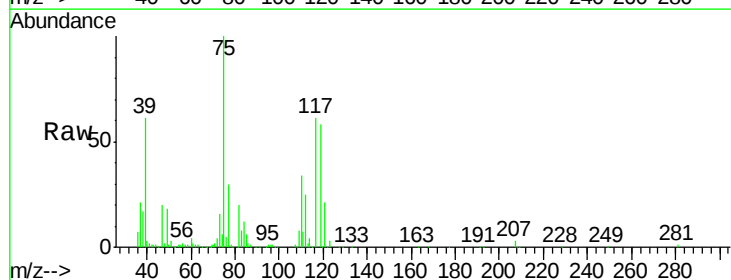


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

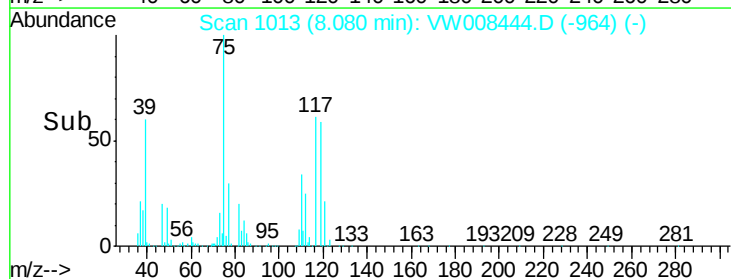
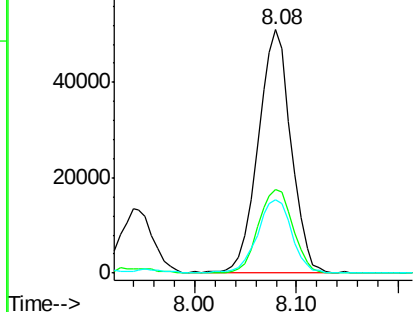


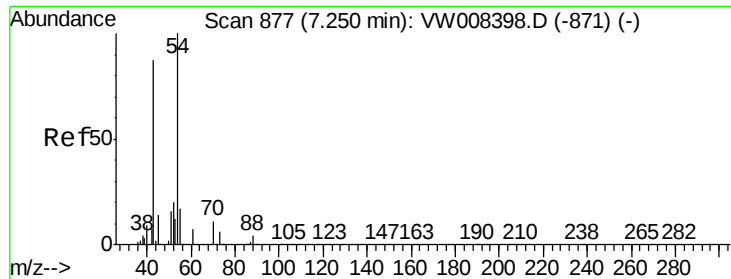
#36
 1,1-Dichloropropene
 Concen: 18.670 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion: 75 Resp: 113733
 Ion Ratio Lower Upper
 75 100
 110 36.2 17.3 52.0
 77 32.0 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

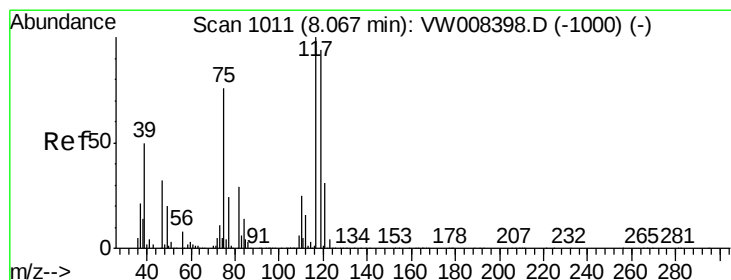
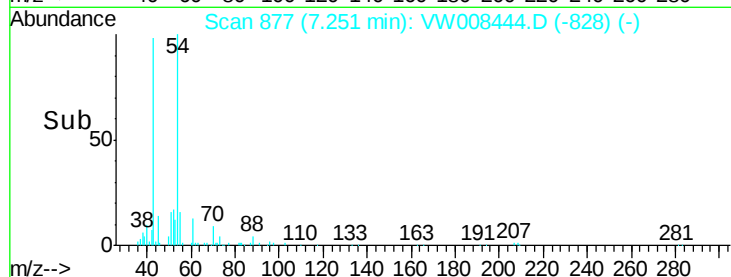
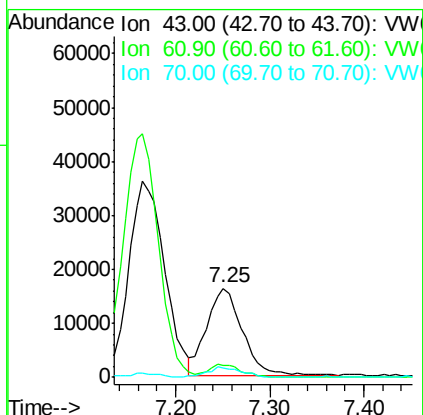
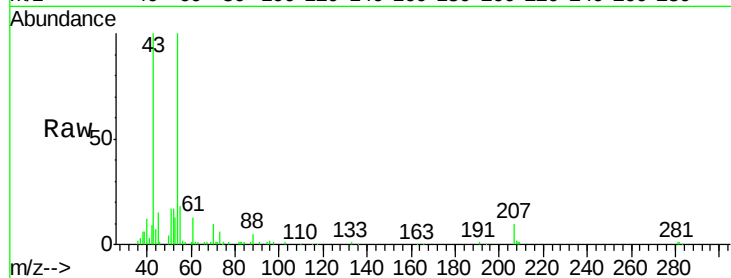




#37
Ethyl Acetate
Concen: 15.723 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

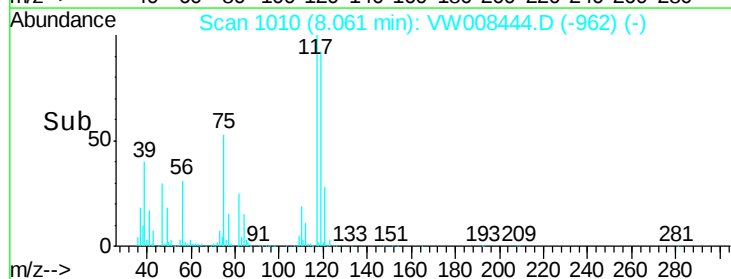
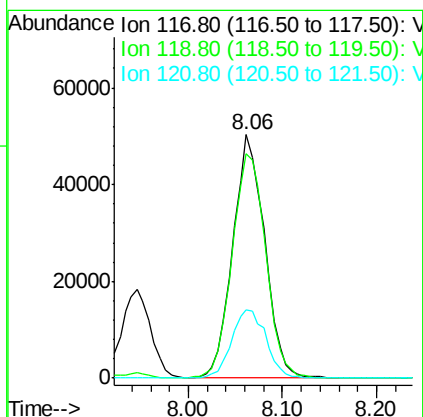
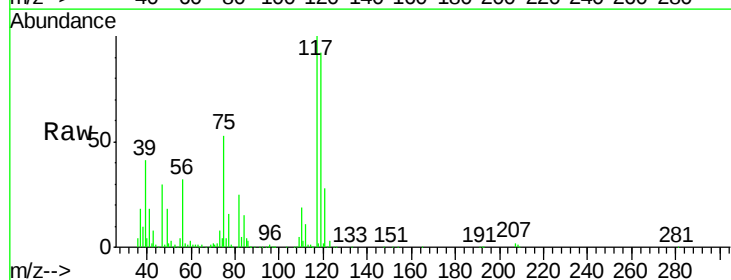
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

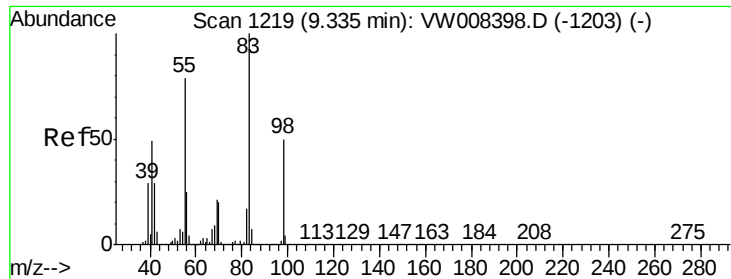
Tgt Ion: 43 Resp: 42377
Ion Ratio Lower Upper
43 100
61 14.0 10.1 15.1
70 10.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 19.417 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 117 Resp: 119030
Ion Ratio Lower Upper
117 100
119 92.3 75.0 112.4
121 28.2 24.9 37.3

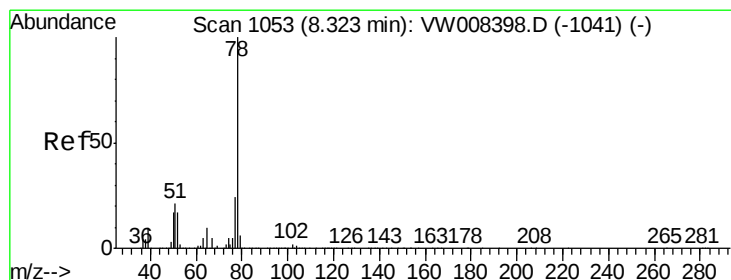
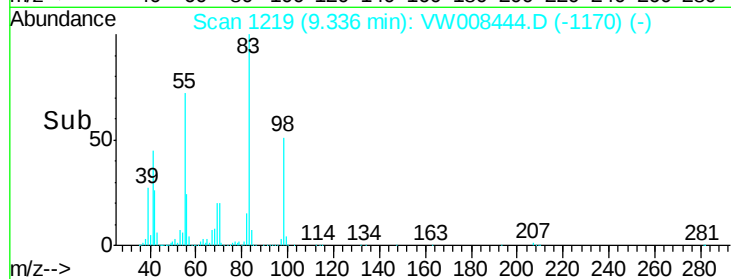
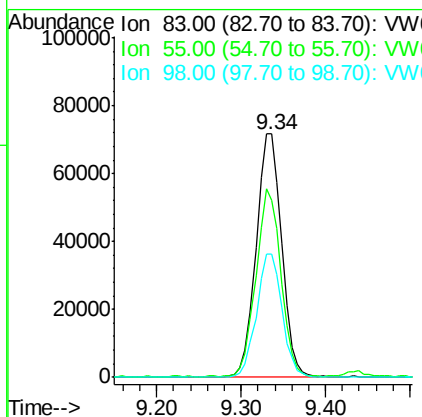
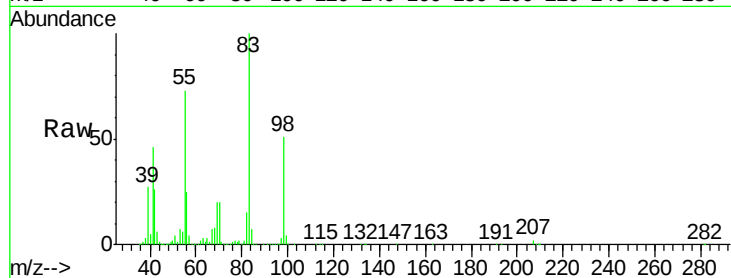




#39
Methylcyclohexane
Concen: 18.594 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

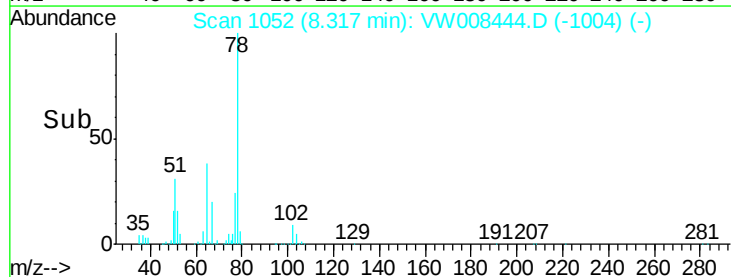
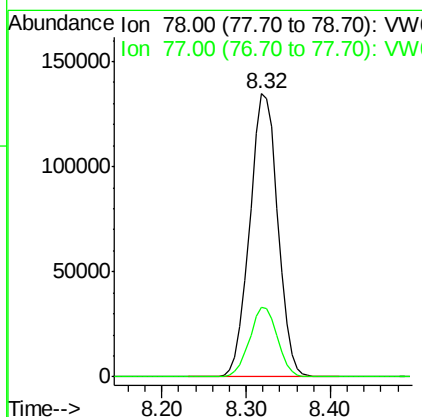
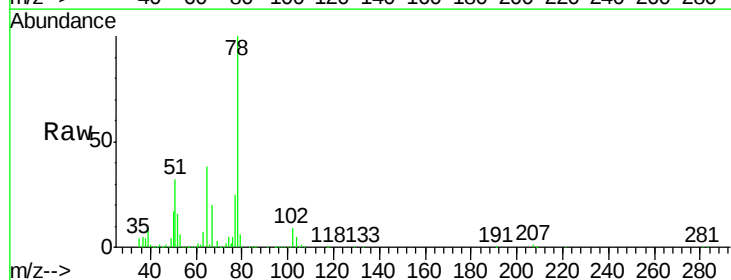
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

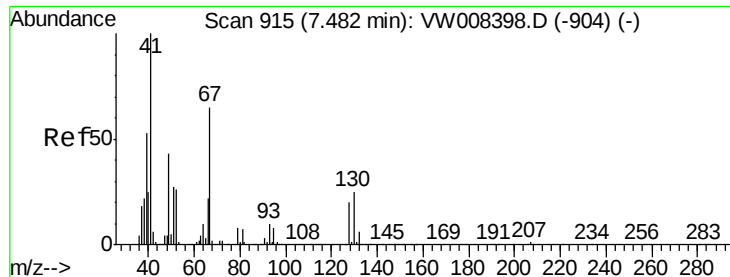
Tgt Ion: 83 Resp: 148800
Ion Ratio Lower Upper
83 100
55 72.2 63.3 94.9
98 50.7 39.7 59.5



#40
Benzene
Concen: 18.157 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 78 Resp: 306936
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

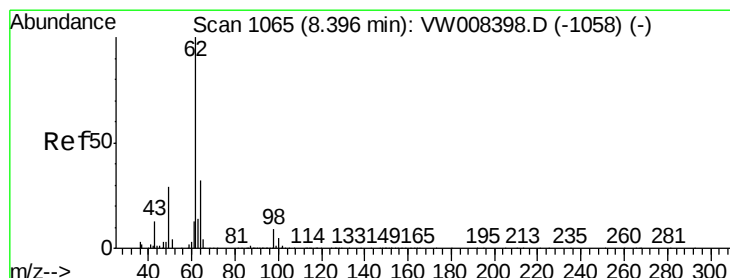
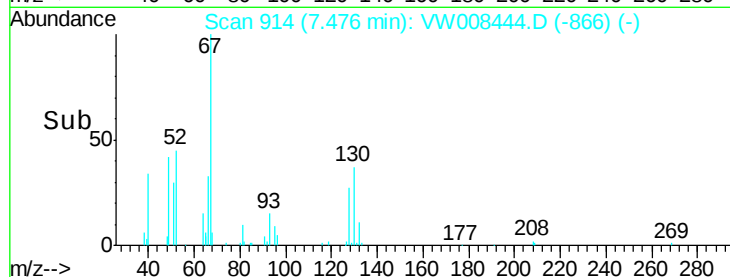
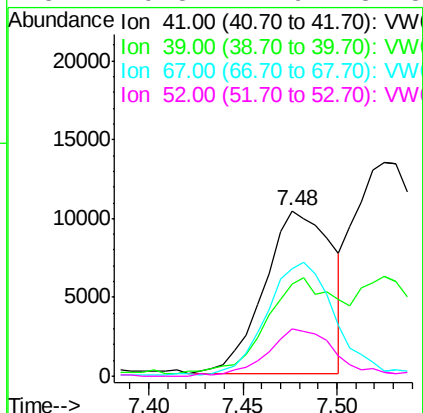
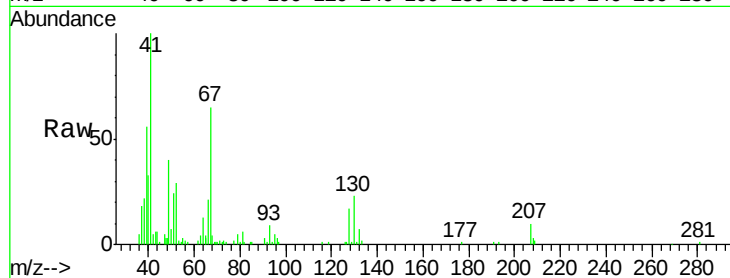




#41
Methacrylonitrile
Concen: 16.083 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

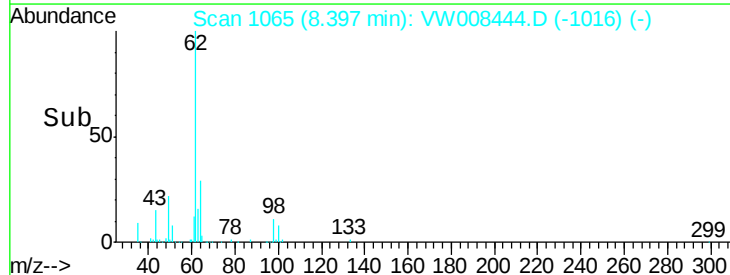
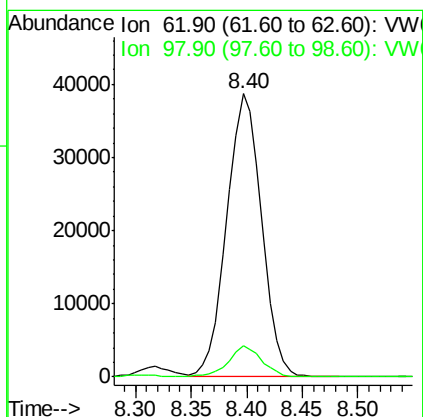
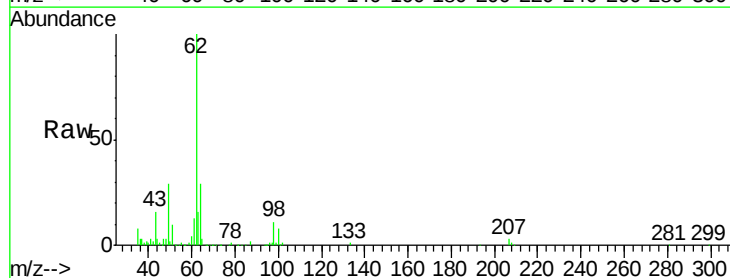
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

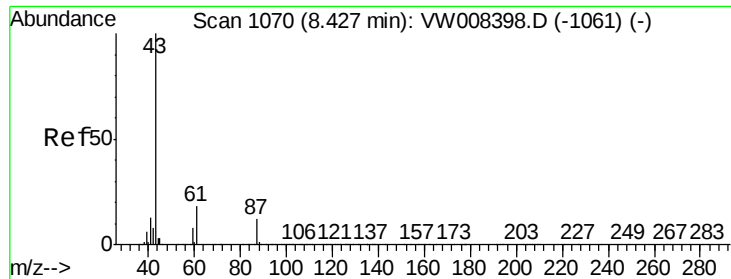
Tgt Ion:	41	Resp:	25666
Ion	Ratio	Lower	Upper
41	100		
39	63.3	43.4	65.0
67	71.8	54.2	81.2
52	29.8	22.9	34.3



#42
1,2-Dichloroethane
Concen: 17.107 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion:	62	Resp:	83806
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 15.171 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

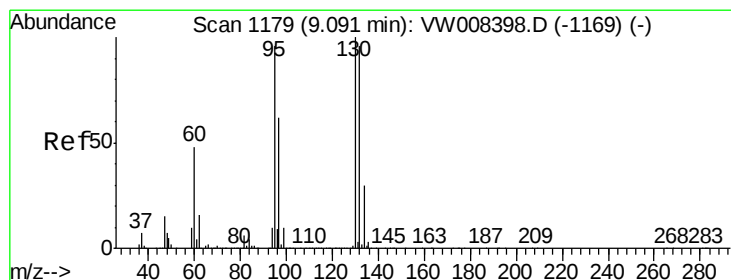
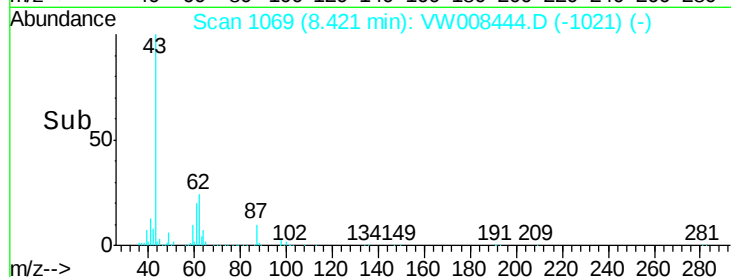
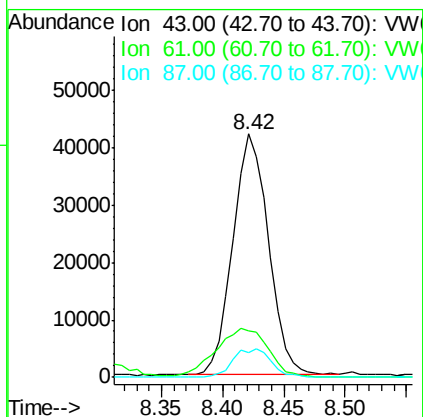
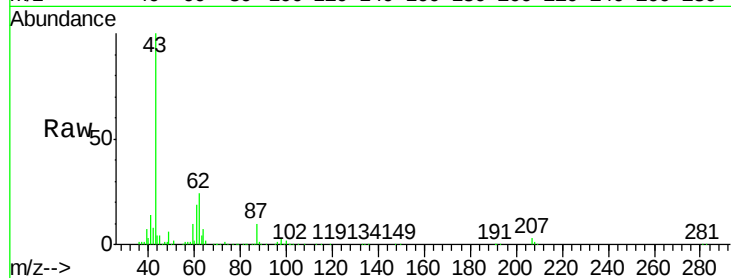
Tgt Ion: 43 Resp: 84948

Ion Ratio Lower Upper

43 100

61 29.7 22.0 33.0

87 12.7 9.3 13.9



#44

Trichloroethene

Concen: 19.012 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW008444.D

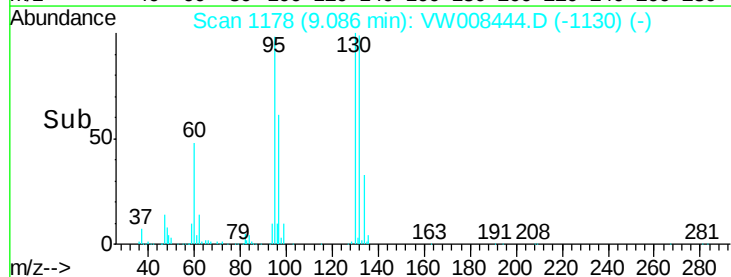
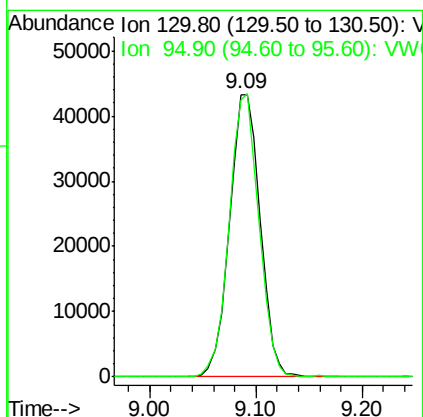
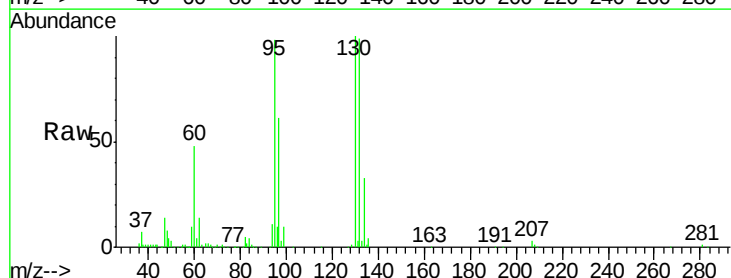
Acq: 29 Jan 2019 11:42

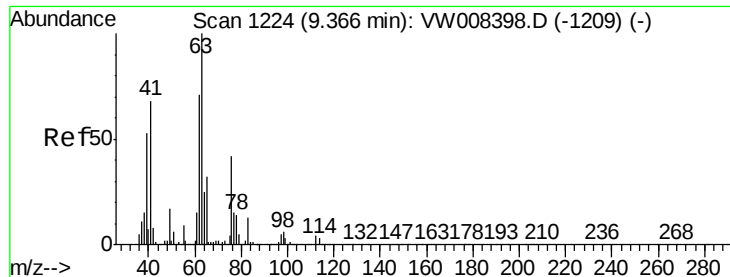
Tgt Ion: 130 Resp: 87397

Ion Ratio Lower Upper

130 100

95 98.3 0.0 191.6





#45

1,2-Dichloropropane

Concen: 17.494 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

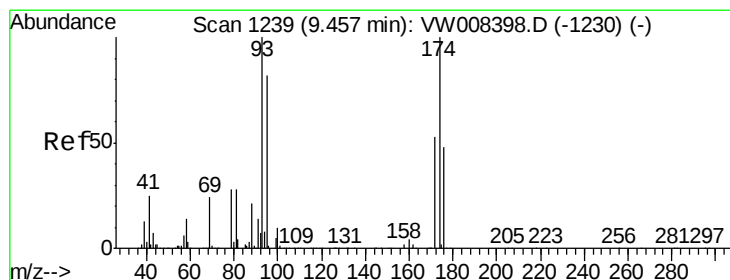
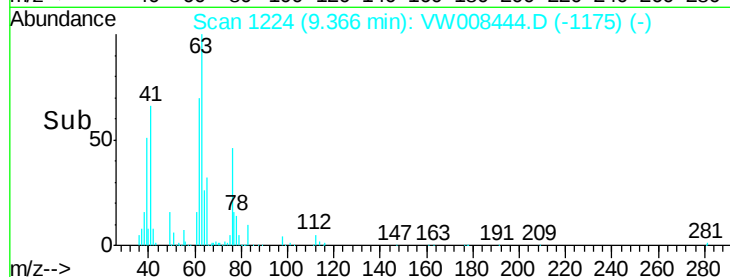
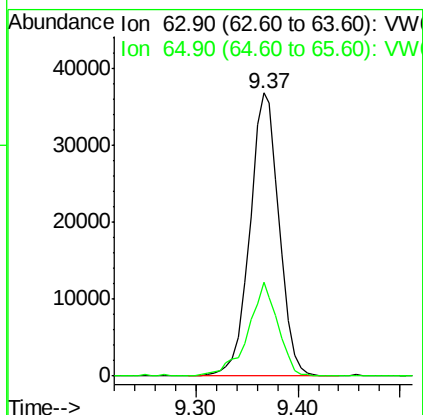
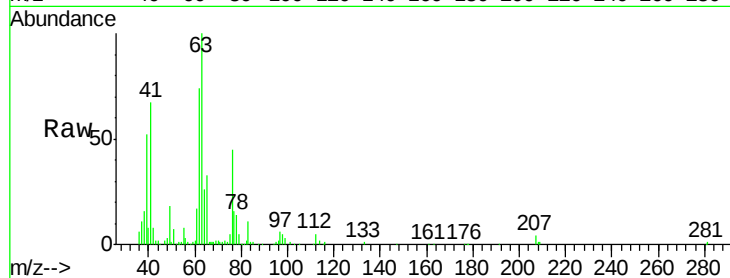
VW0129SBS01

Tgt Ion: 63 Resp: 73737

Ion Ratio Lower Upper

63 100

65 32.8 25.2 37.8



#46

Dibromomethane

Concen: 17.332 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

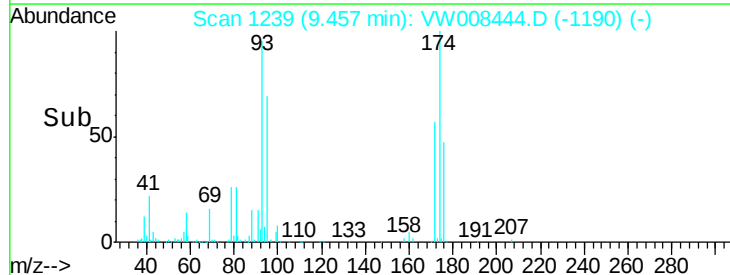
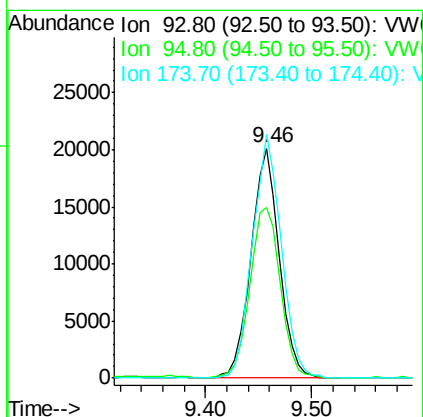
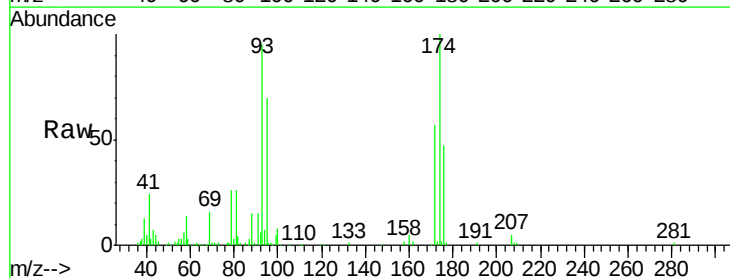
Tgt Ion: 93 Resp: 37573

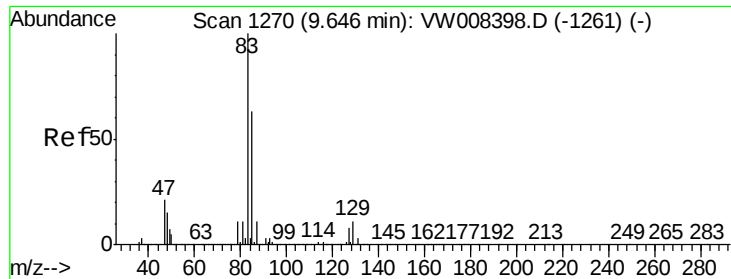
Ion Ratio Lower Upper

93 100

95 80.4 65.9 98.9

174 108.1 81.0 121.6





#47

Bromodichloromethane

Concen: 17.576 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

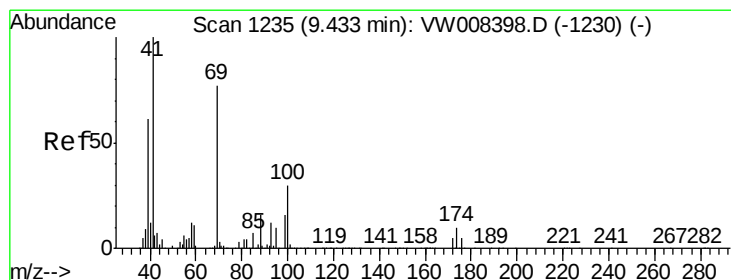
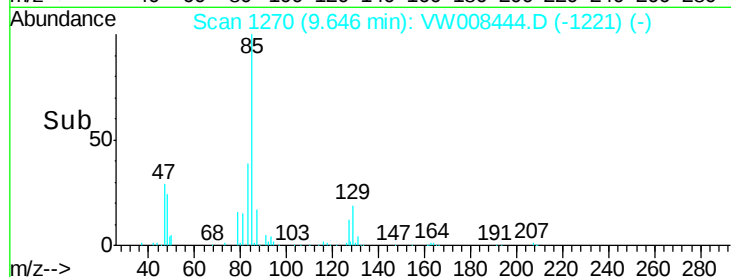
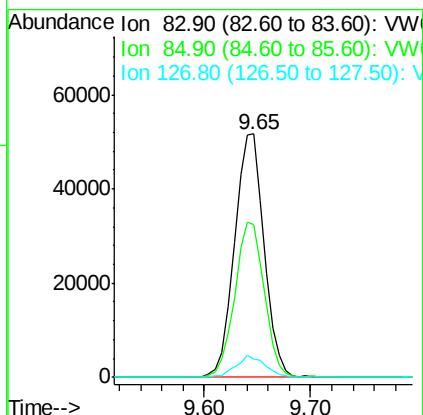
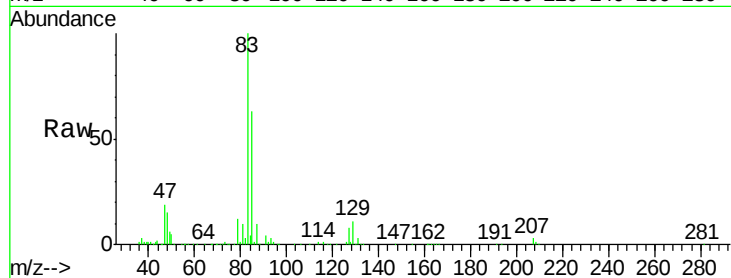
Tgt Ion: 83 Resp: 100779

Ion Ratio Lower Upper

83 100

85 62.4 50.8 76.2

127 7.6 6.8 10.2



#48

Methyl methacrylate

Concen: 14.908 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

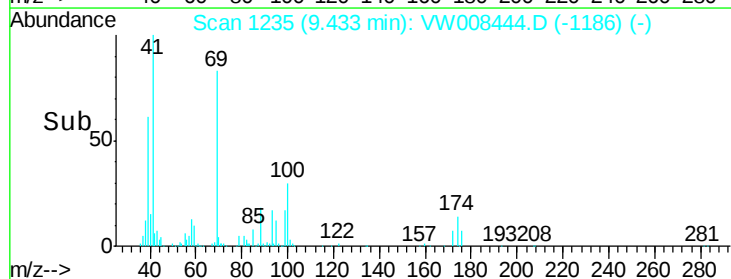
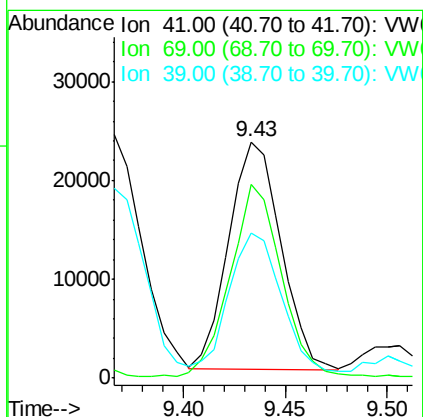
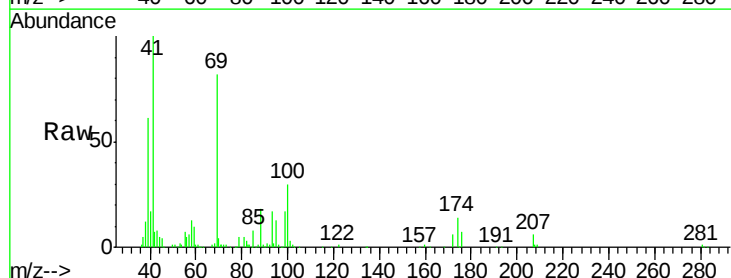
Tgt Ion: 41 Resp: 40816

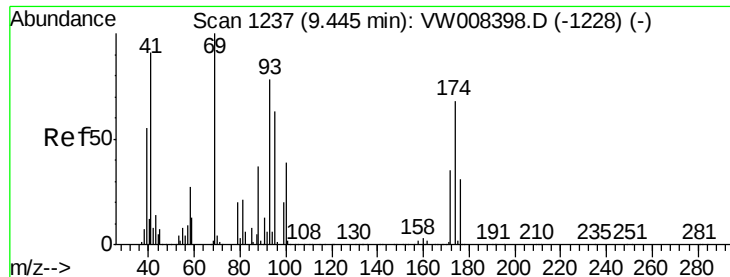
Ion Ratio Lower Upper

41 100

69 83.1 64.8 97.2

39 65.4 49.1 73.7





#49

1,4-Dioxane

Concen: 351.330 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

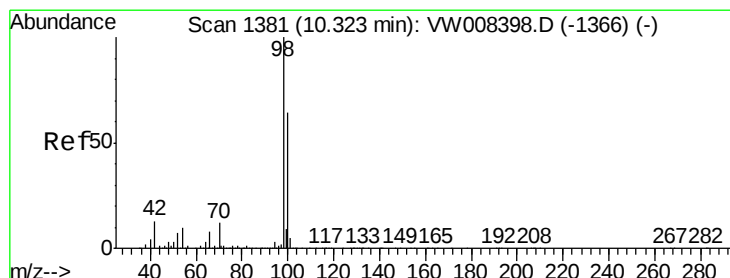
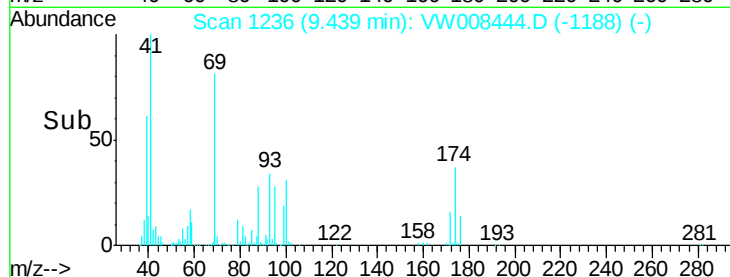
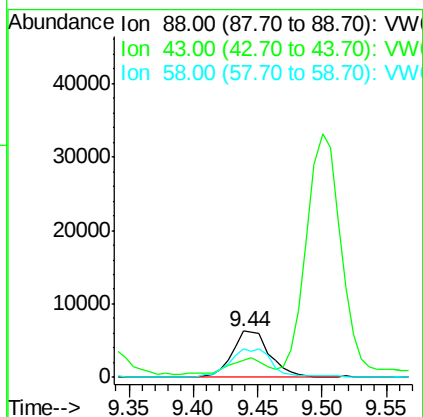
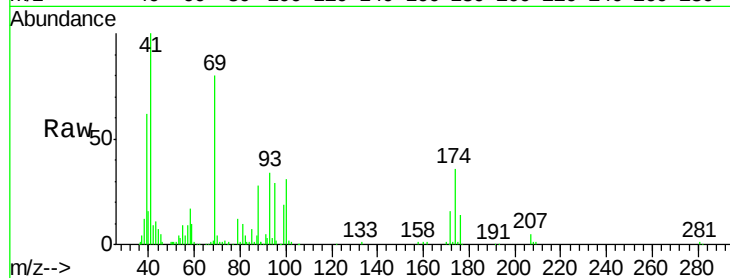
Tgt Ion: 88 Resp: 12874

Ion Ratio Lower Upper

88 100

43 35.1 29.0 43.4

58 68.2 56.4 84.6



#50

Toluene-d8

Concen: 50.991 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008444.D

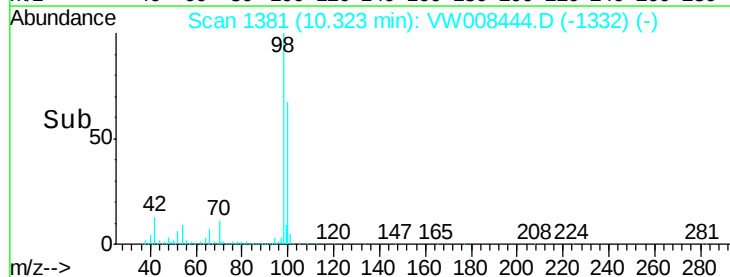
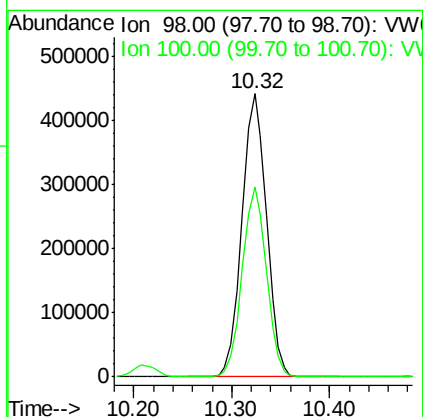
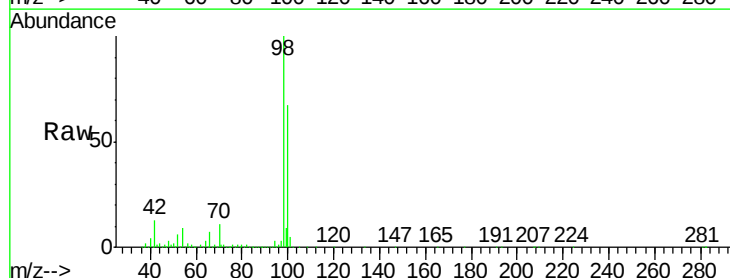
Acq: 29 Jan 2019 11:42

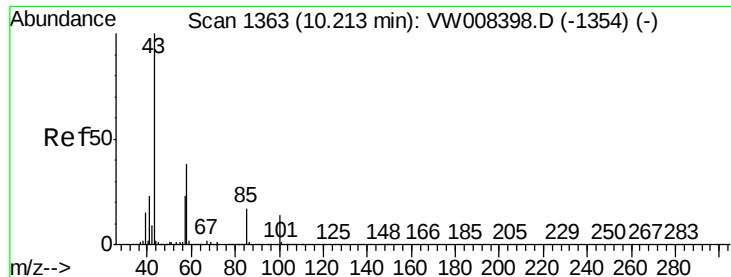
Tgt Ion: 98 Resp: 771076

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 74.732 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

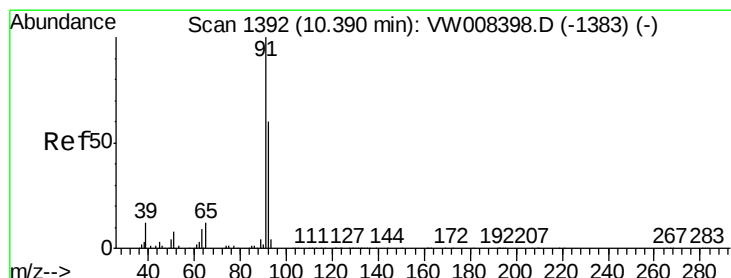
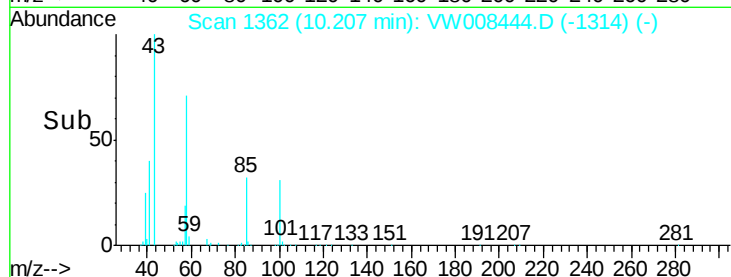
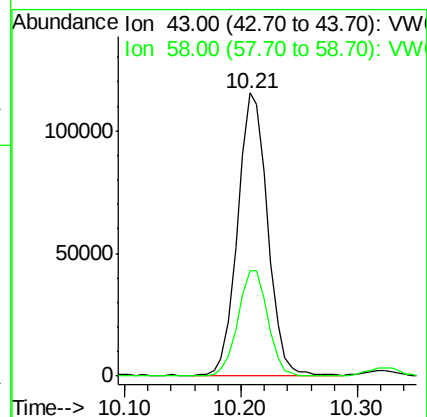
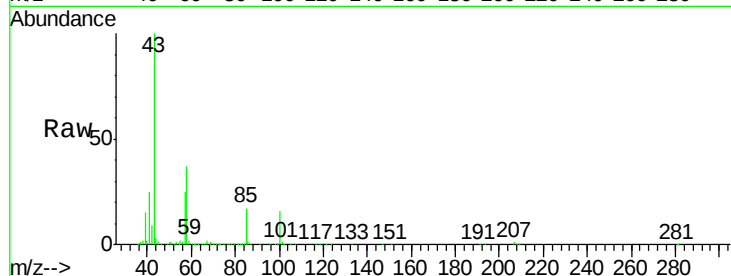
VW0129SBS01

Tgt Ion: 43 Resp: 206730

Ion Ratio Lower Upper

43 100

58 37.5 29.7 44.5



#52

Toluene

Concen: 18.139 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008444.D

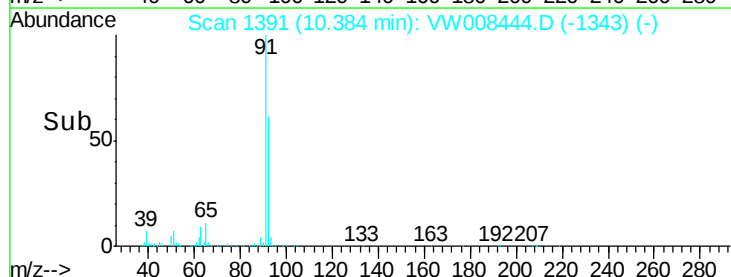
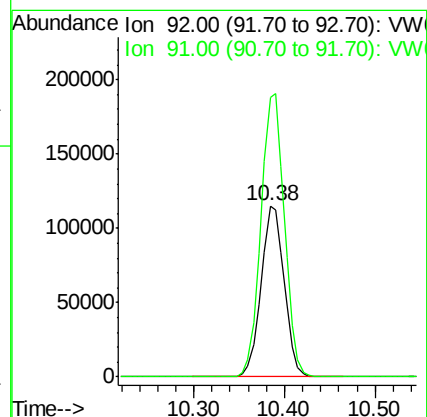
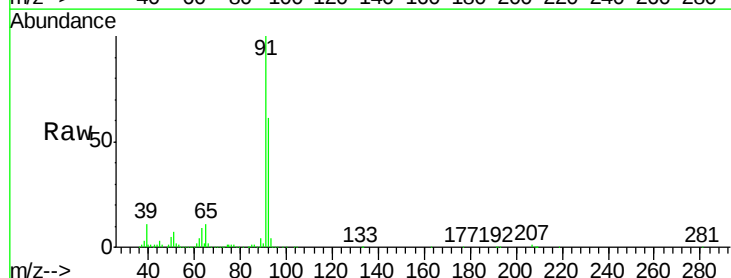
Acq: 29 Jan 2019 11:42

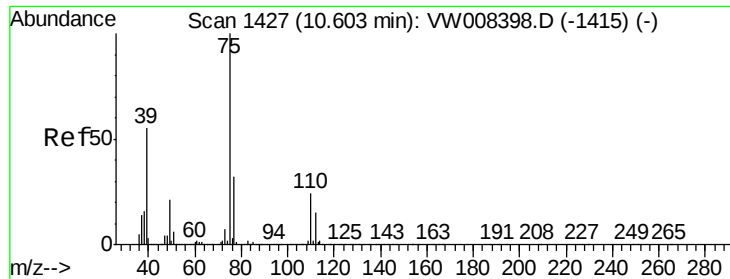
Tgt Ion: 92 Resp: 202411

Ion Ratio Lower Upper

92 100

91 168.7 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 16.678 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

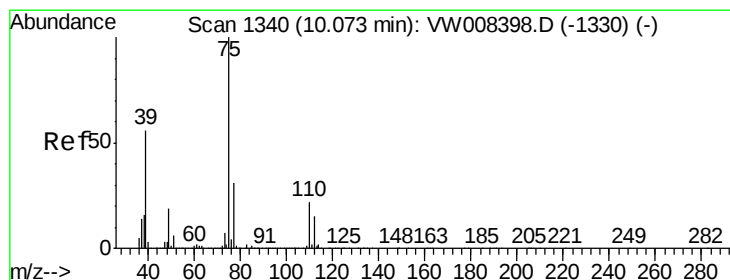
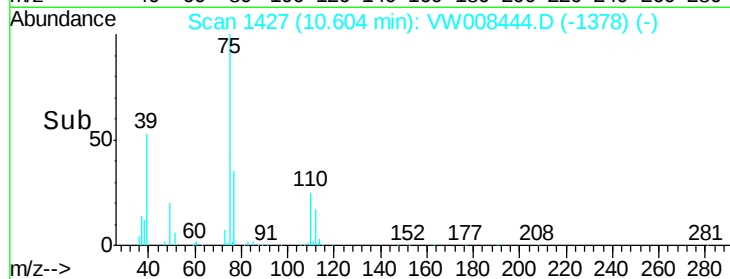
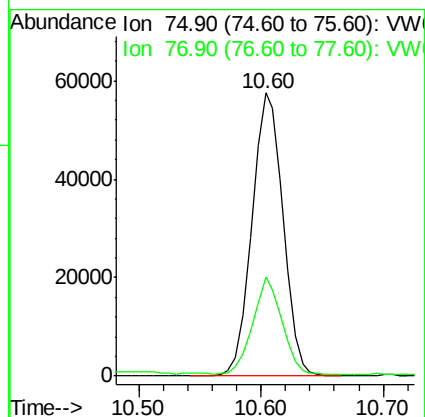
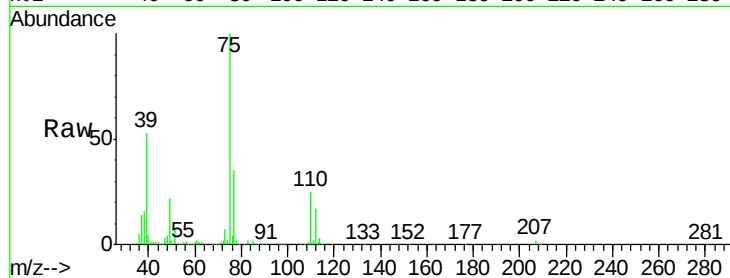
VW0129SBS01

Tgt Ion: 75 Resp: 101760

Ion Ratio Lower Upper

75 100

77 34.4 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 17.376 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

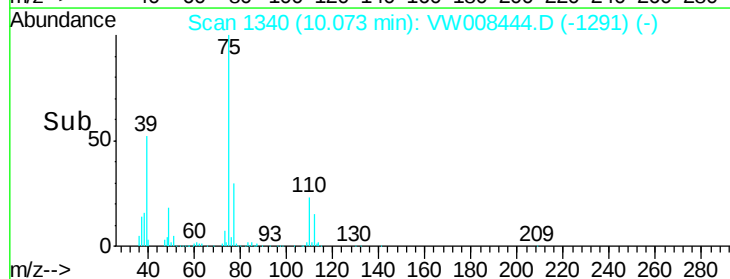
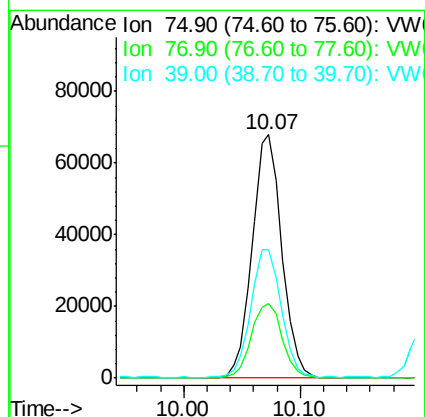
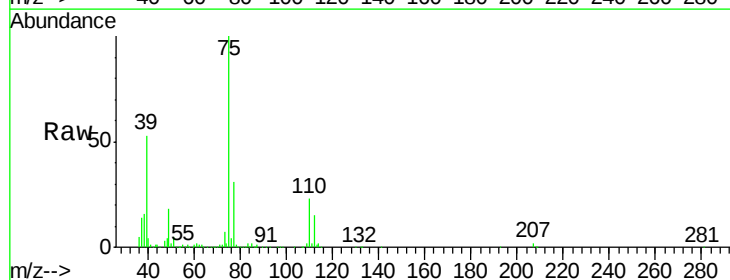
Tgt Ion: 75 Resp: 120318

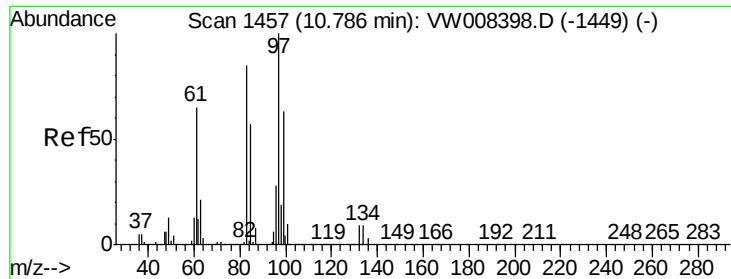
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 52.7 44.9 67.3

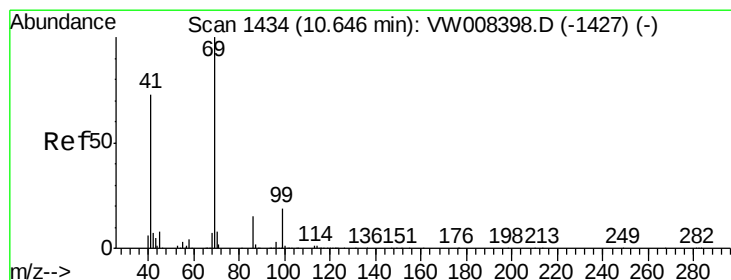
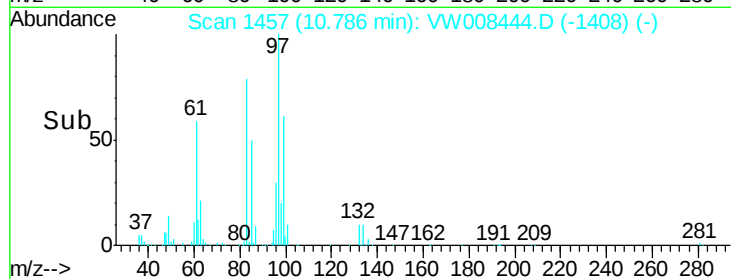
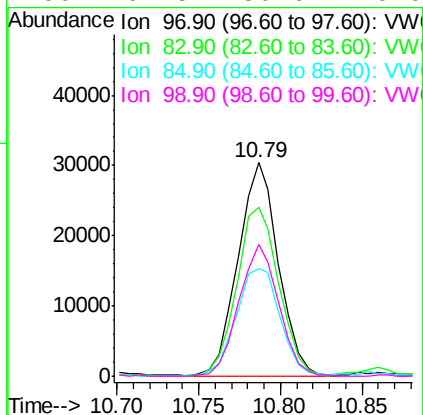
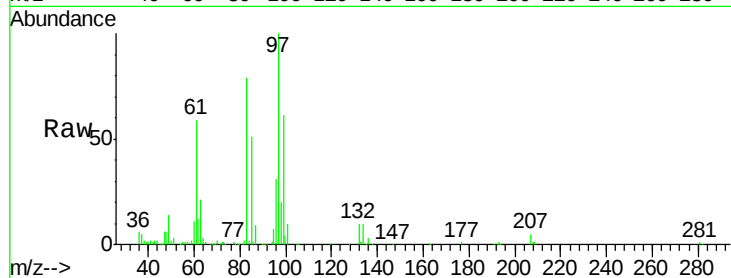




#55
 1,1,2-Trichloroethane
 Concen: 17.430 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

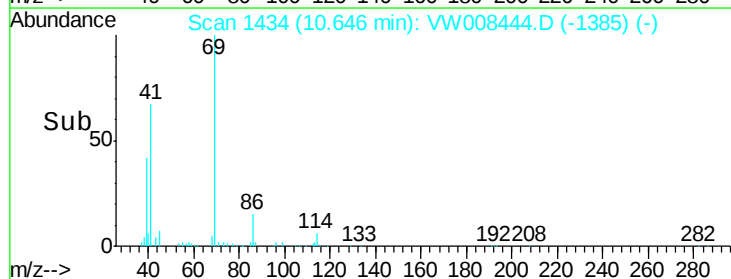
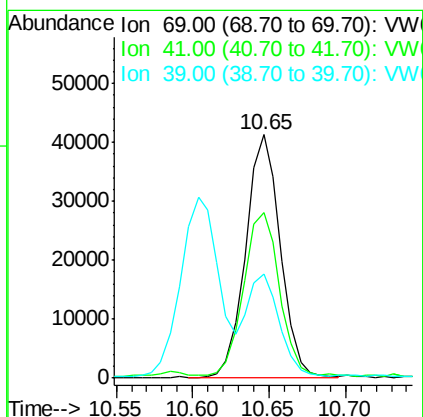
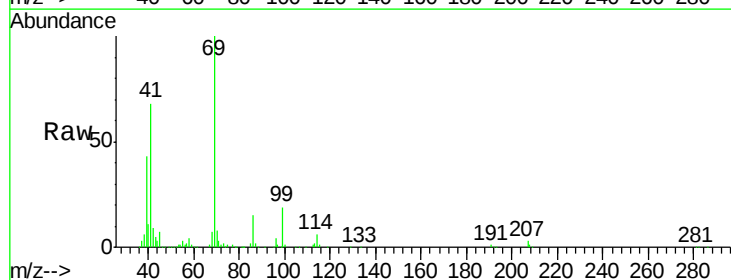
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tgt Ion:	97	Resp:	52411
Ion	Ratio	Lower	Upper
97	100		
83	78.5	68.4	102.6
85	50.6	45.3	67.9
99	61.5	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 15.338 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion:	69	Resp:	64626
Ion	Ratio	Lower	Upper
69	100		
41	69.9	58.7	88.1
39	39.4	32.6	48.8

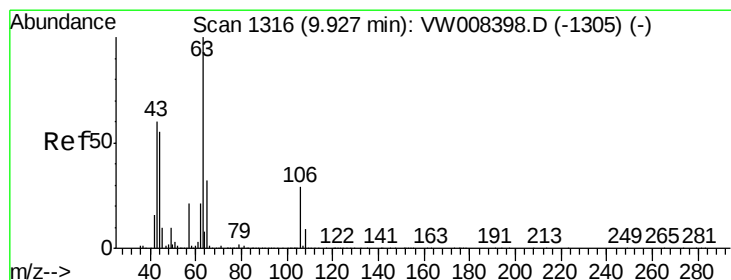
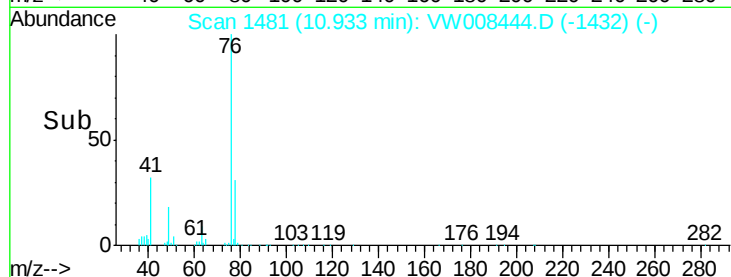
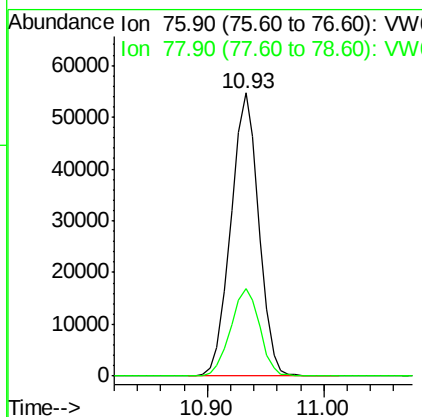
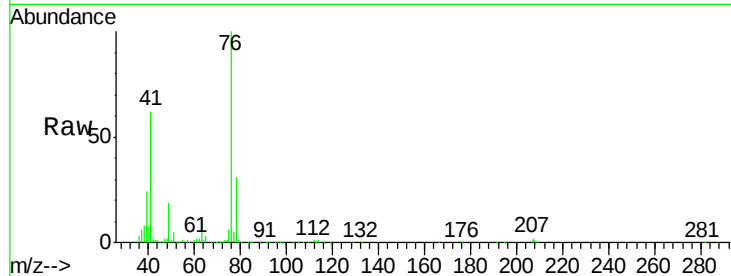




#57
 1,3-Dichloropropane
 Concen: 16.942 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

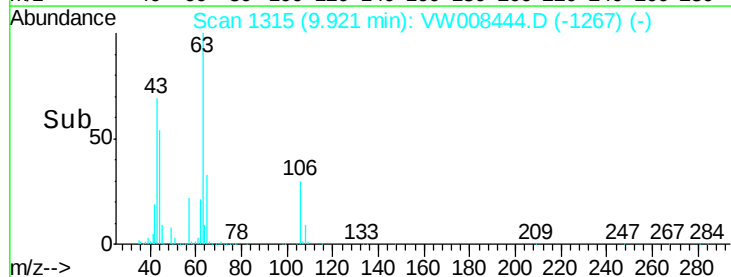
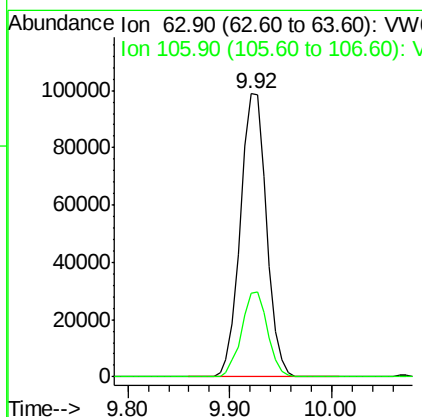
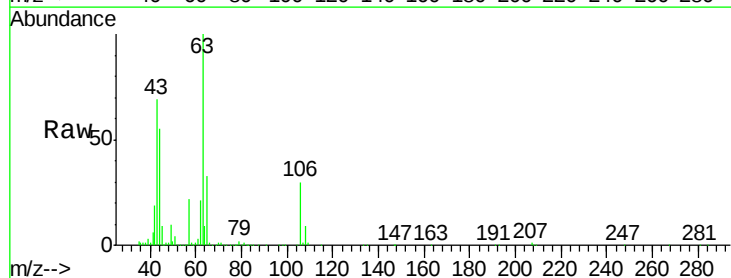
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

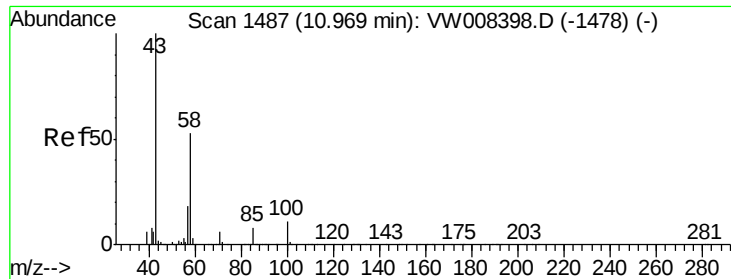
Tgt Ion: 76 Resp: 91268
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.840 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion: 63 Resp: 175729
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.4 33.6





#59

2-Hexanone

Concen: 75.322 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

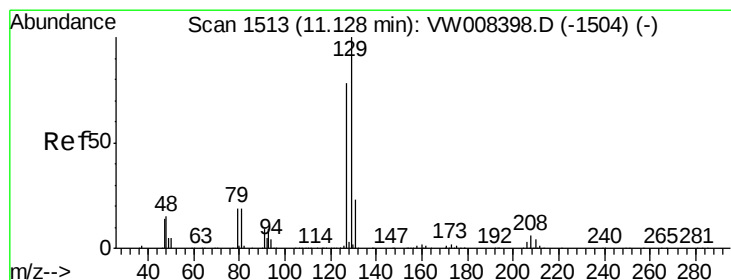
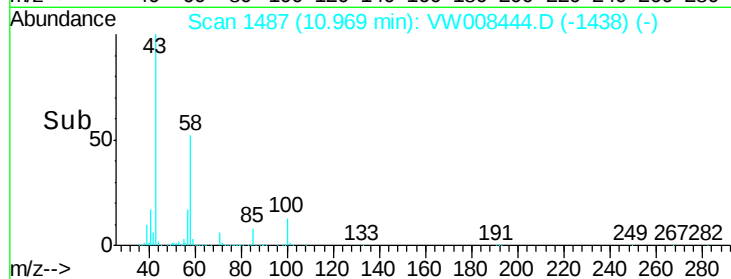
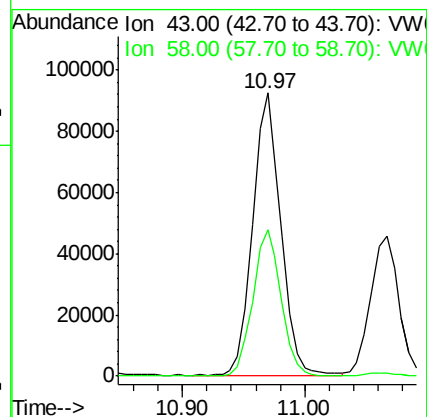
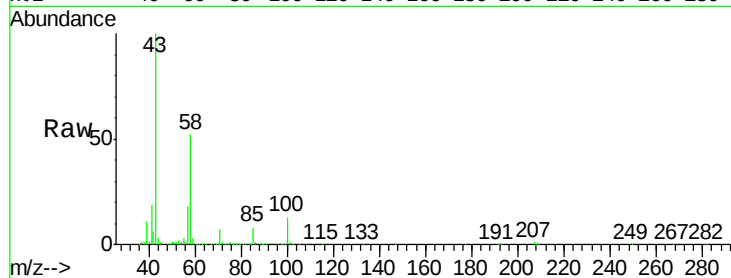
VW0129SBS01

Tgt Ion: 43 Resp: 147096

Ion Ratio Lower Upper

43 100

58 52.2 25.9 77.7



#60

Dibromochloromethane

Concen: 17.286 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW008444.D

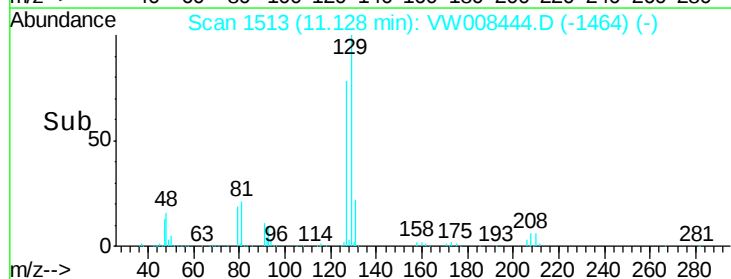
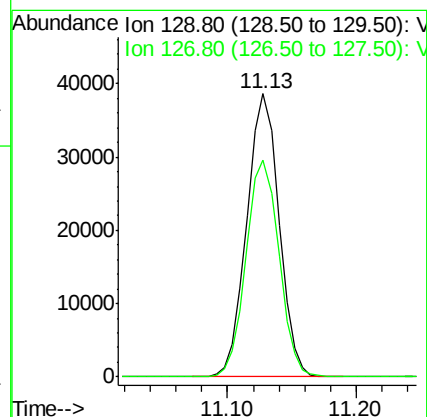
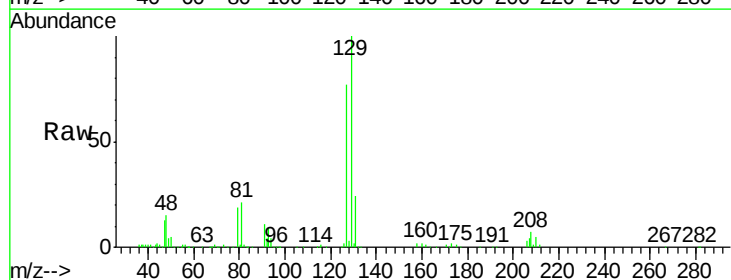
Acq: 29 Jan 2019 11:42

Tgt Ion: 129 Resp: 66797

Ion Ratio Lower Upper

129 100

127 78.2 39.1 117.2

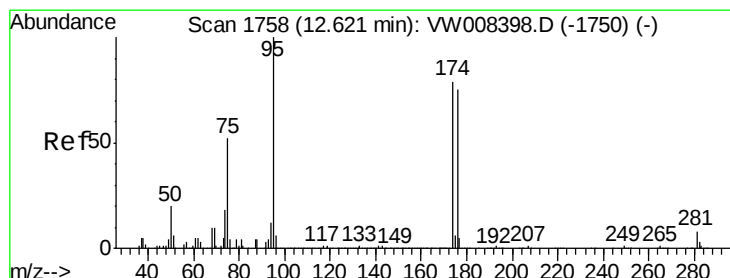
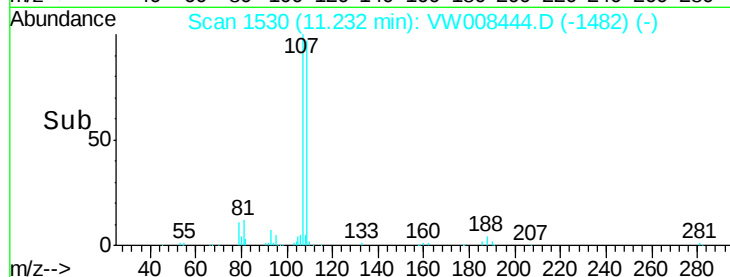
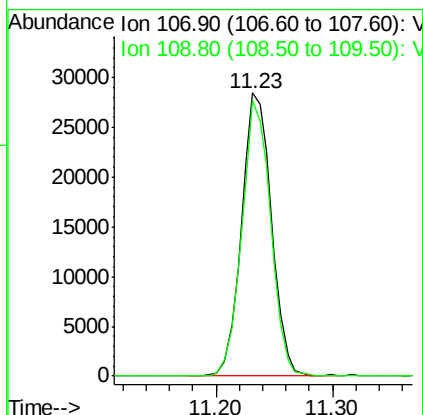
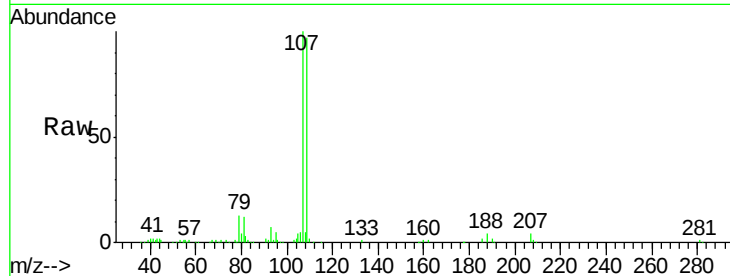




#61
 1,2-Dibromoethane
 Concen: 17.151 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

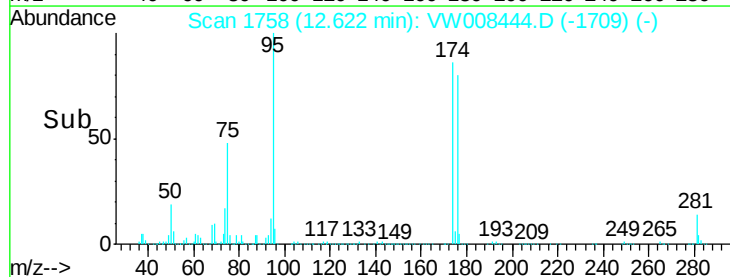
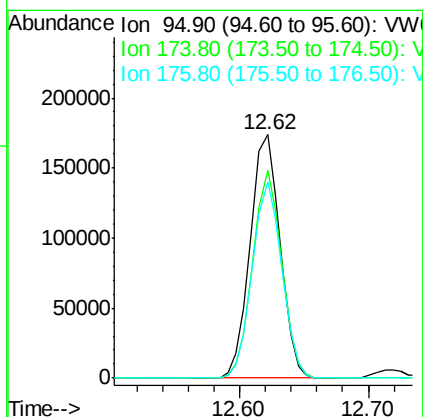
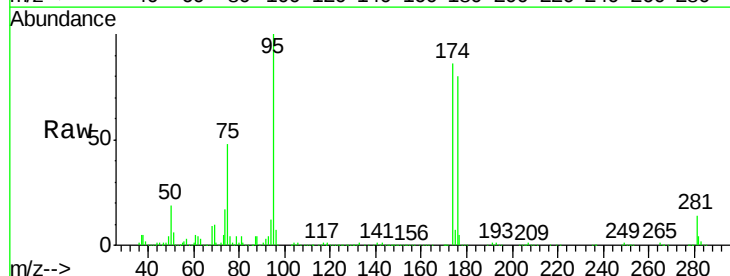
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

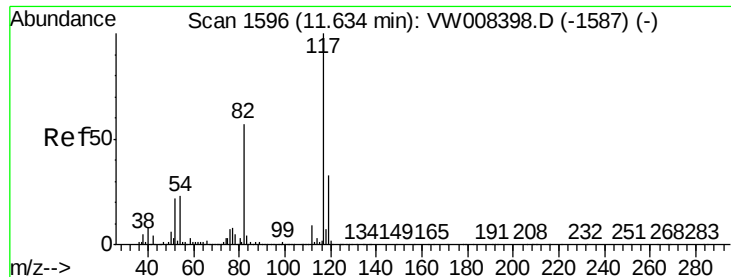
Tgt Ion: 107 Resp: 51136
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 47.730 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion: 95 Resp: 277436
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 157.6
 176 79.8 0.0 151.8

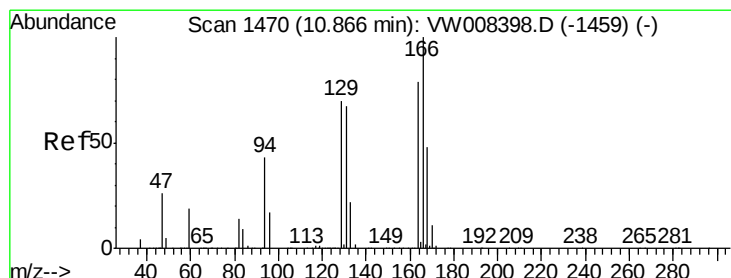
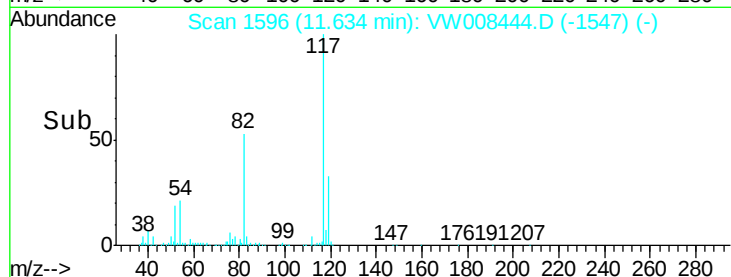
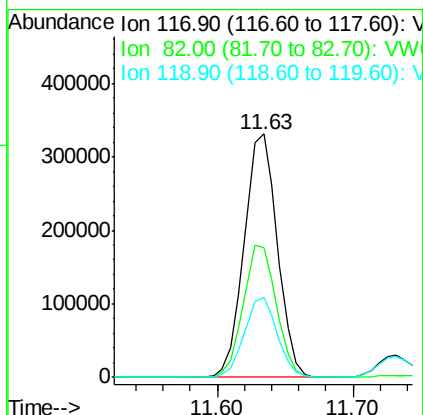
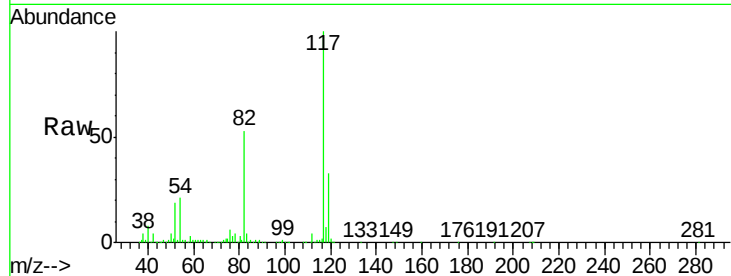




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

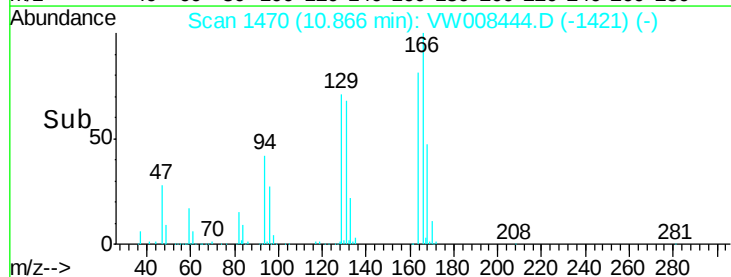
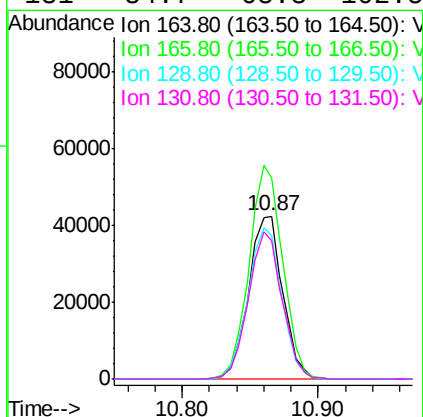
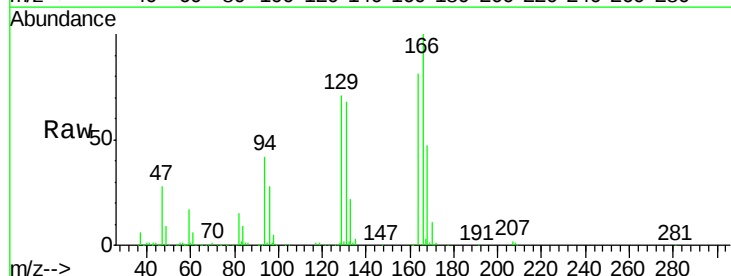
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

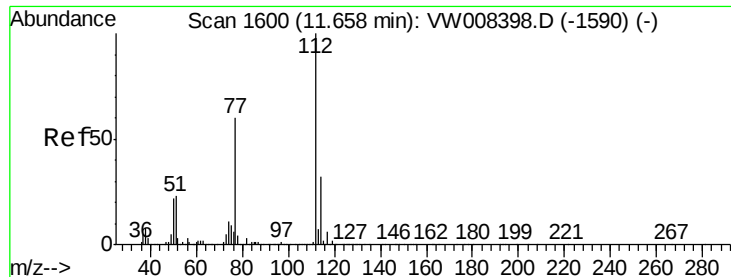
Tgt Ion:117 Resp: 566844
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 32.6 26.2 39.4



#64
Tetrachloroethene
Concen: 19.460 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion:164 Resp: 74687
Ion Ratio Lower Upper
164 100
166 123.8 101.4 152.0
129 87.8 71.0 106.6
131 84.7 68.3 102.5





#65

Chlorobenzene

Concen: 18.843 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

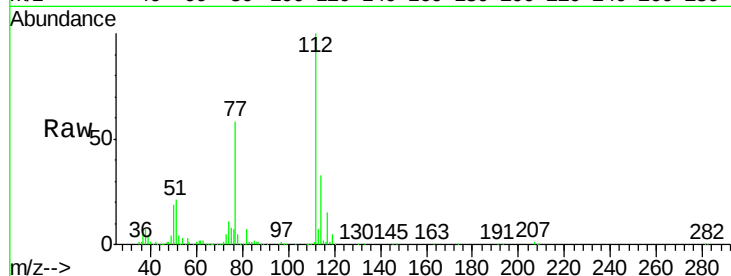
VW0129SBS01

Tgt Ion:112 Resp: 218033

Ion Ratio Lower Upper

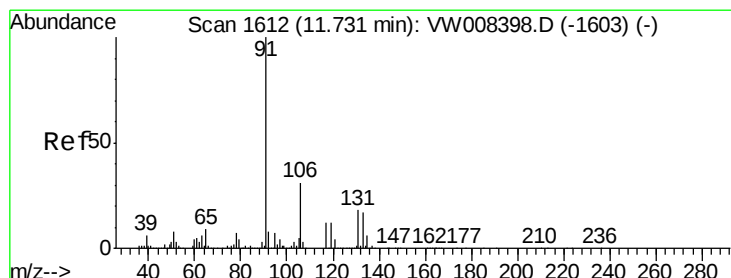
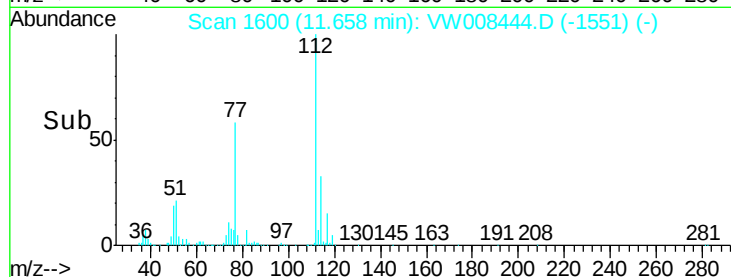
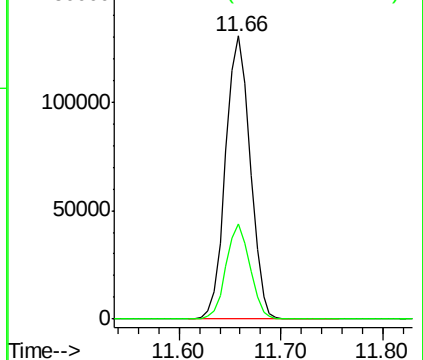
112 100

114 33.5 25.4 38.2



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: 18.733 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

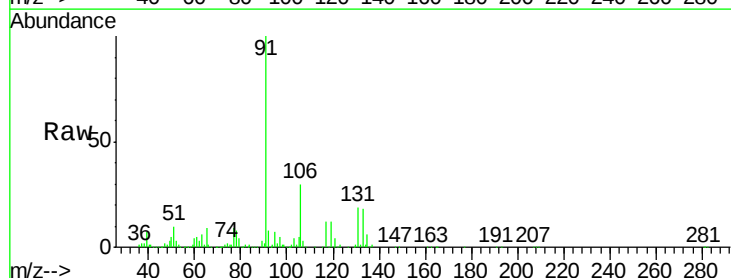
Tgt Ion:131 Resp: 77556

Ion Ratio Lower Upper

131 100

133 93.9 47.0 141.2

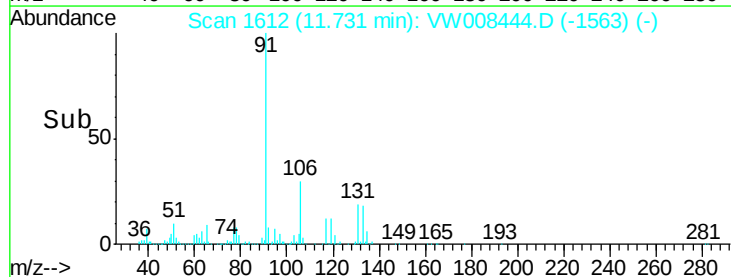
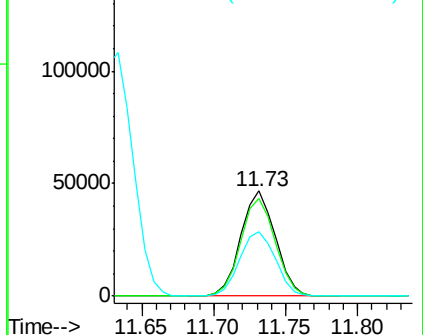
119 63.5 32.1 96.3

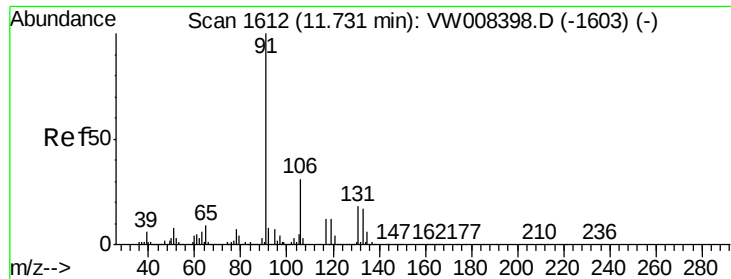


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

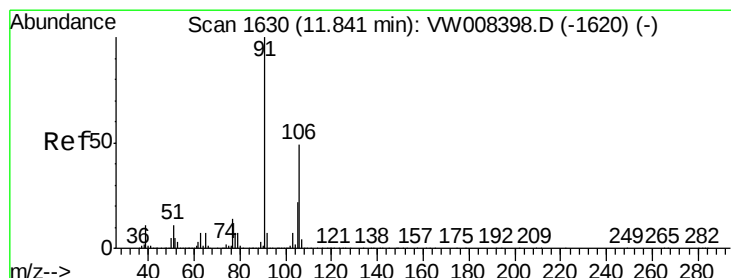
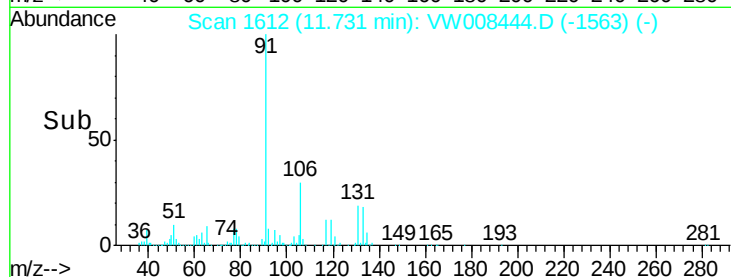
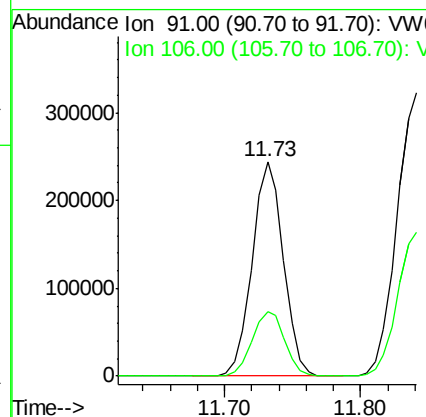
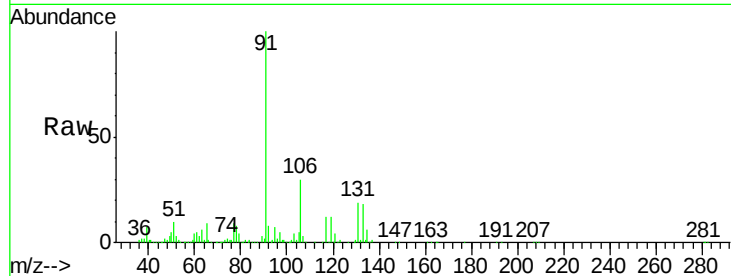




#67
Ethyl Benzene
Concen: 18.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

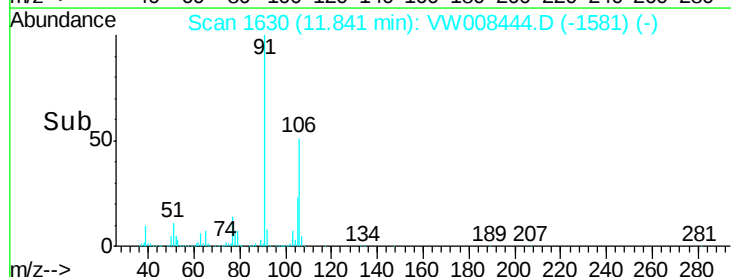
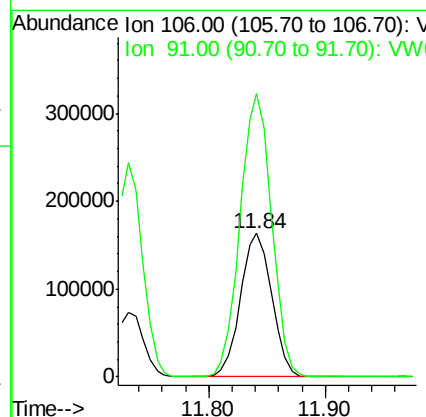
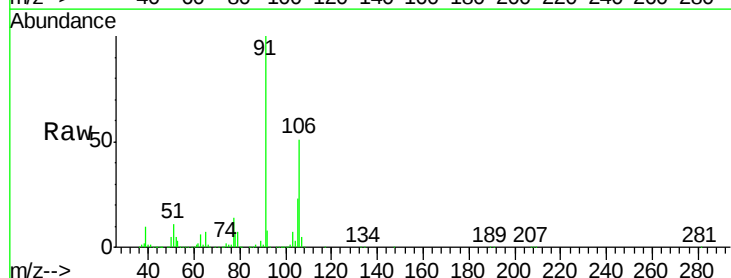
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tgt Ion: 91 Resp: 391693
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 37.078 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 106 Resp: 305989
Ion Ratio Lower Upper
106 100
91 198.0 162.9 244.3

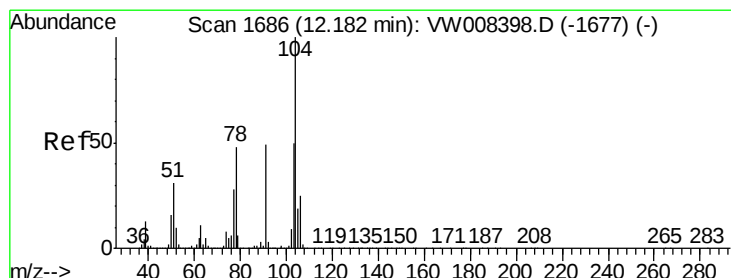
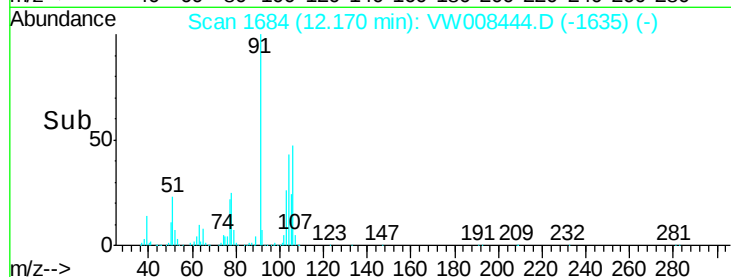
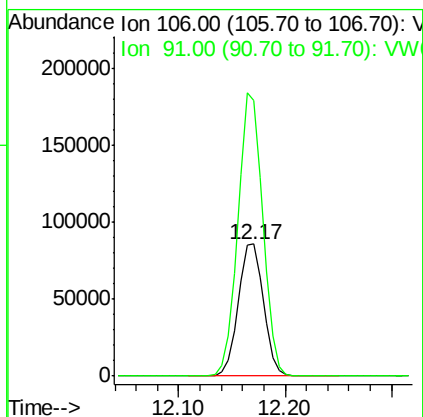
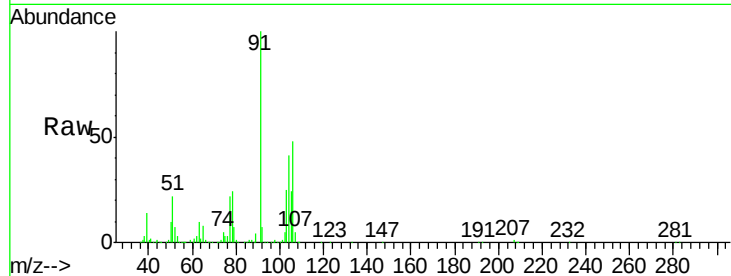




#69
o-Xylene
Concen: 18.312 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

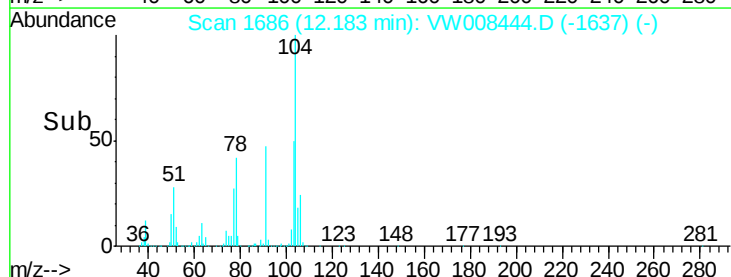
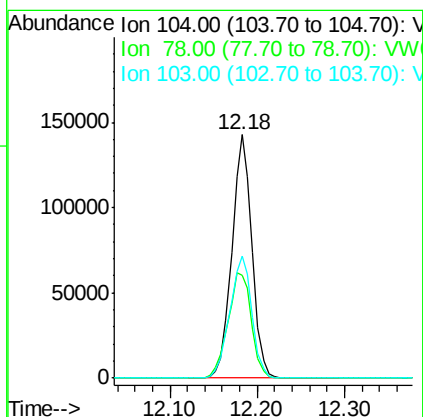
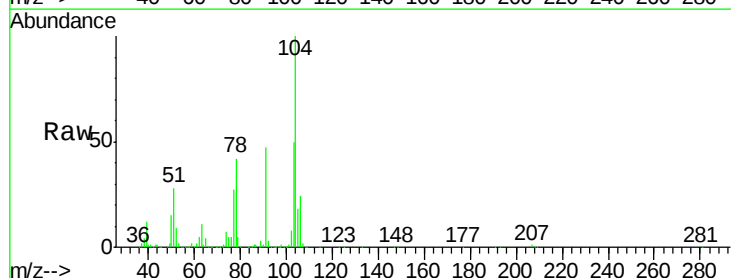
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

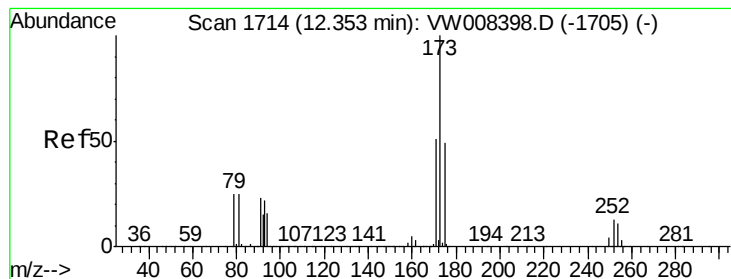
Tgt Ion:106 Resp: 143592
Ion Ratio Lower Upper
106 100
91 210.5 107.5 322.4



#70
Styrene
Concen: 17.522 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion:104 Resp: 226941
Ion Ratio Lower Upper
104 100
78 50.4 42.4 63.6
103 55.2 43.4 65.0





#71

Bromoform

Concen: 16.869 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

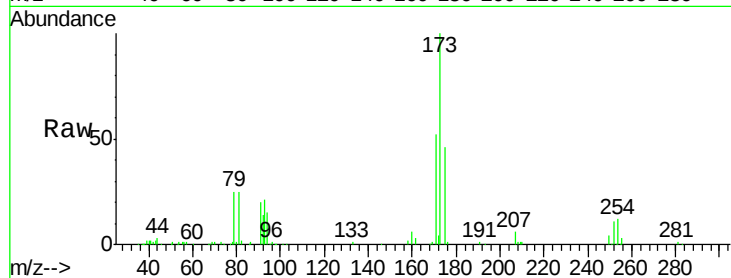
Tgt Ion:173 Resp: 39294

Ion Ratio Lower Upper

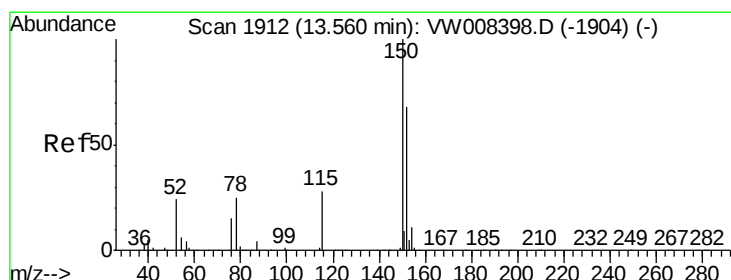
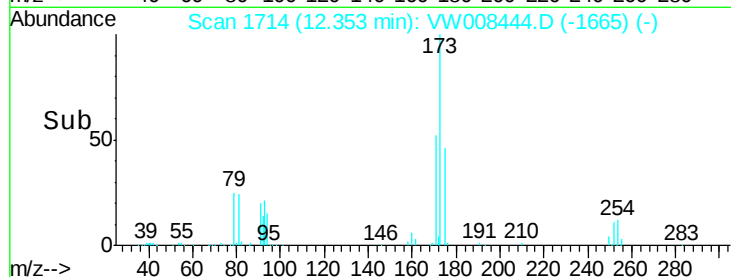
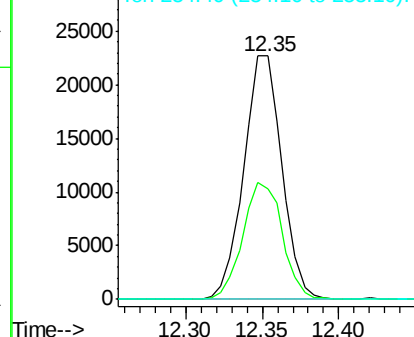
173 100

175 49.7 24.4 73.4

254 0.3 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

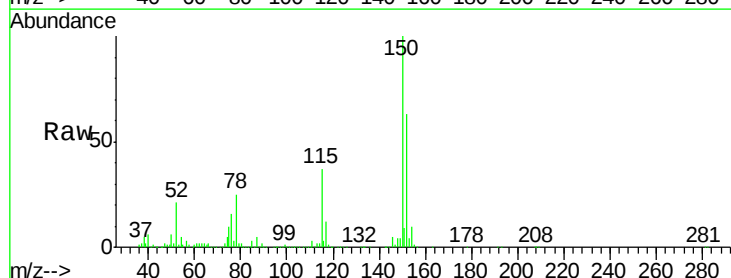
Tgt Ion:152 Resp: 282517

Ion Ratio Lower Upper

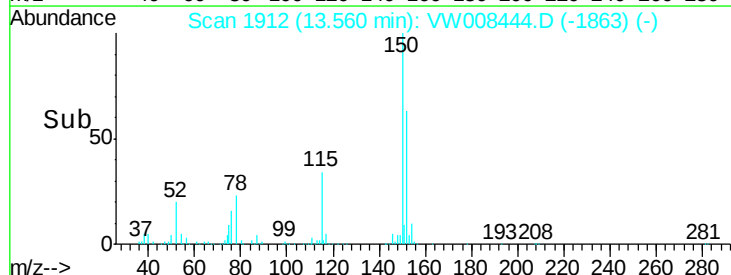
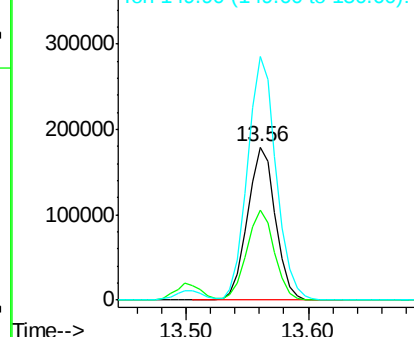
152 100

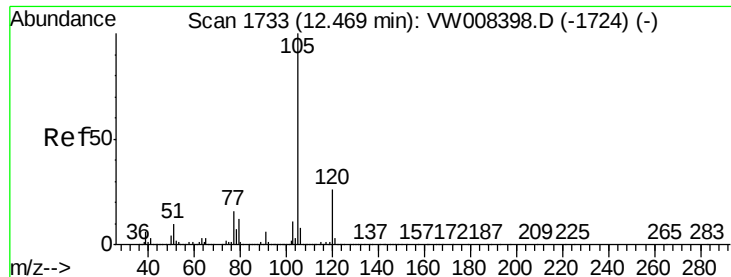
115 58.4 29.9 89.7

150 164.5 0.0 351.4



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: 18.879 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

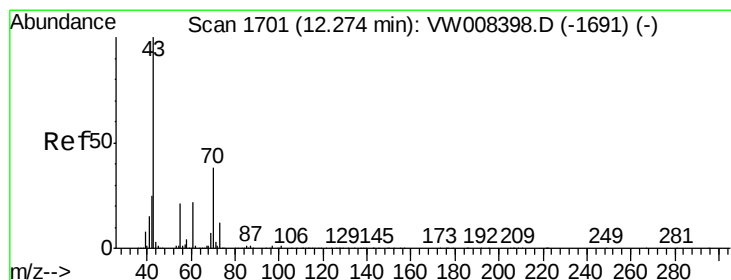
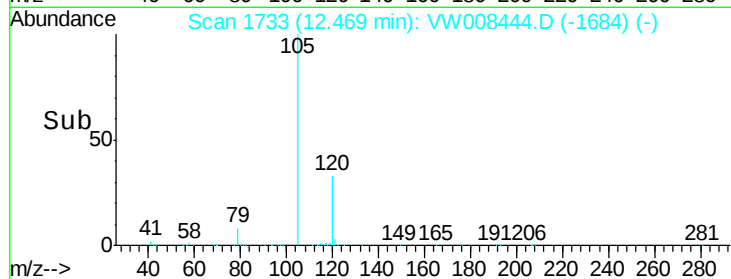
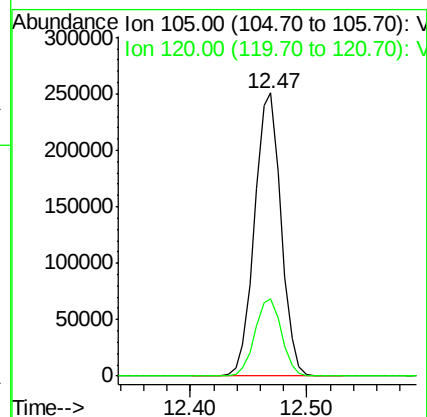
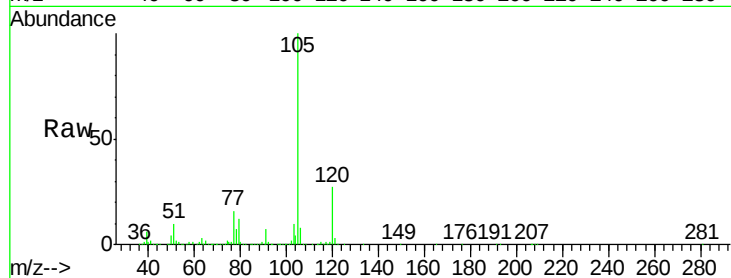
VW0129SBS01

Tgt Ion: 105 Resp: 397636

Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8



#74

N-ethyl acetate

Concen: 15.321 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion: 43 Resp: 83134

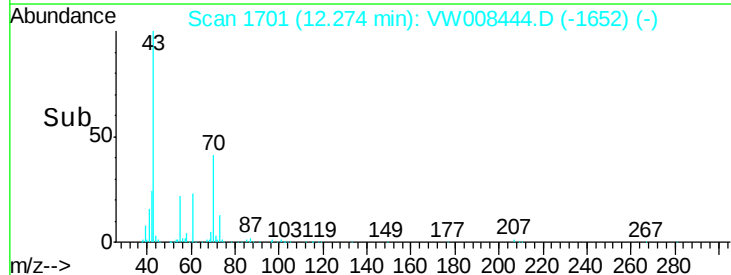
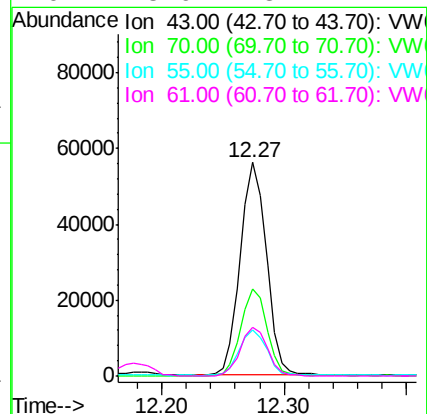
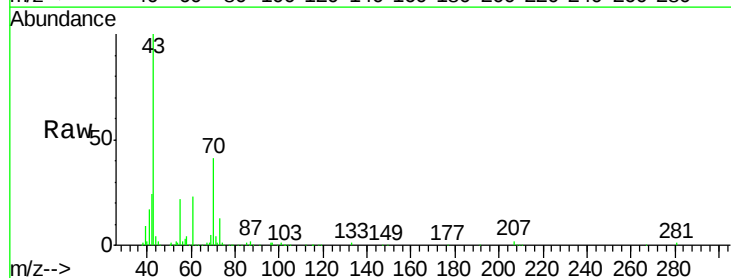
Ion Ratio Lower Upper

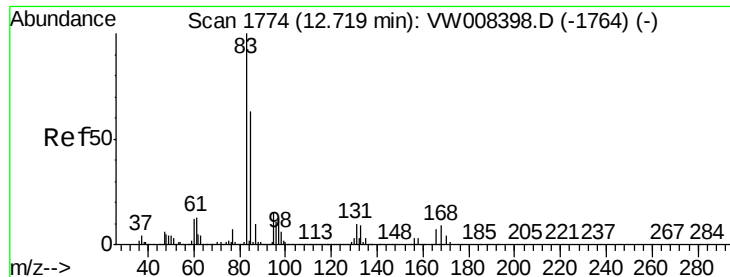
43 100

70 41.1 31.0 46.6

55 22.6 17.4 26.2

61 23.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.152 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

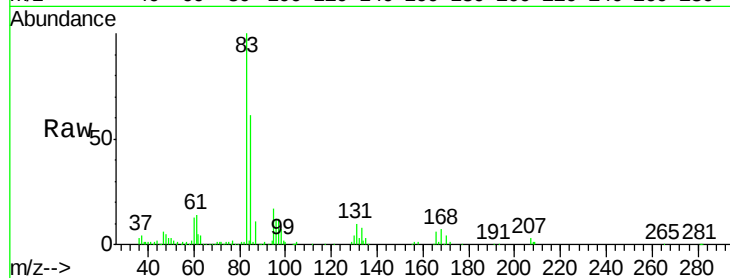
Tgt Ion: 83 Resp: 57195

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.4

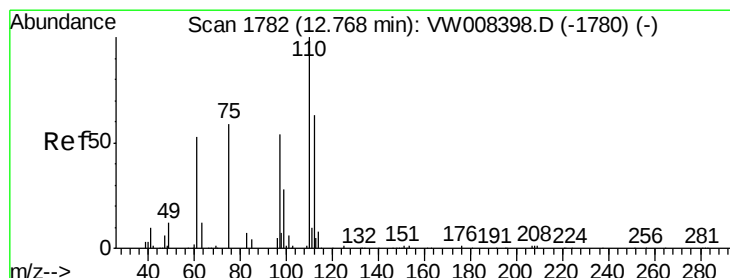
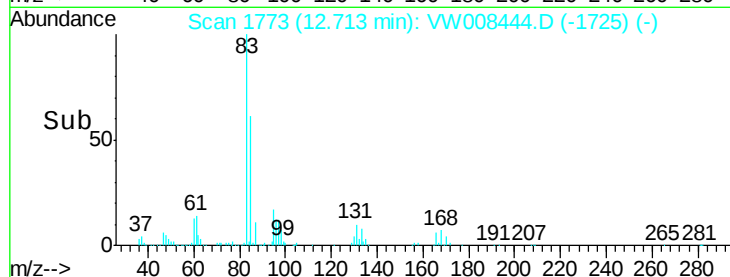
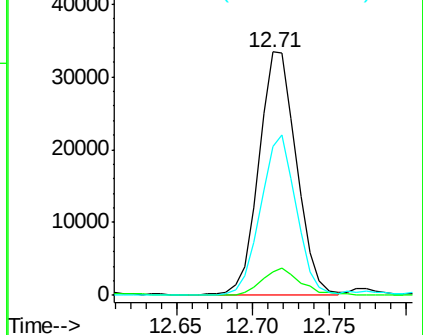
85 62.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.543 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008444.D

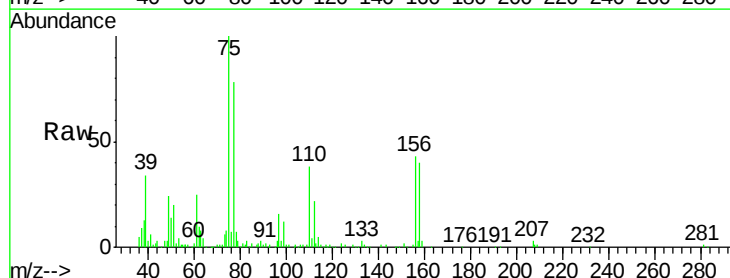
Acq: 29 Jan 2019 11:42

Tgt Ion: 75 Resp: 79936

Ion Ratio Lower Upper

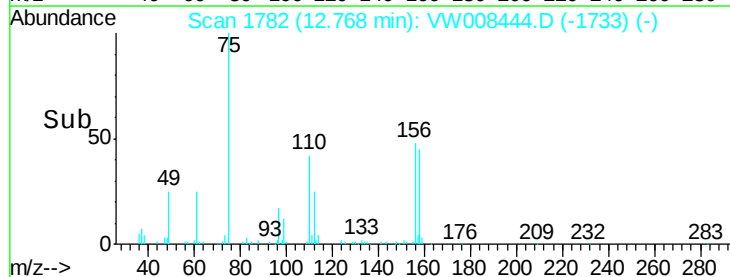
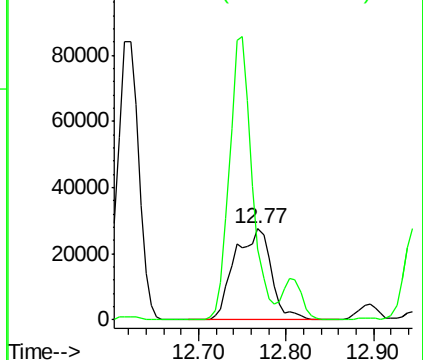
75 100

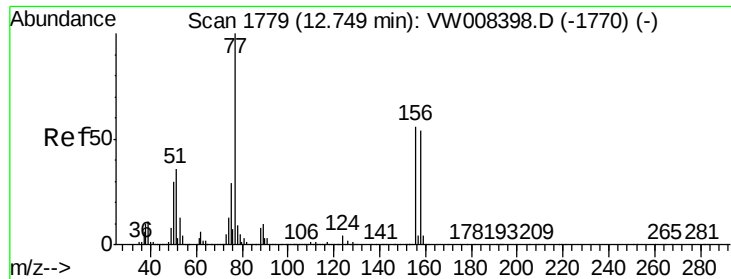
77 194.2 180.7 542.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.088 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampled :

VW0129SBS01

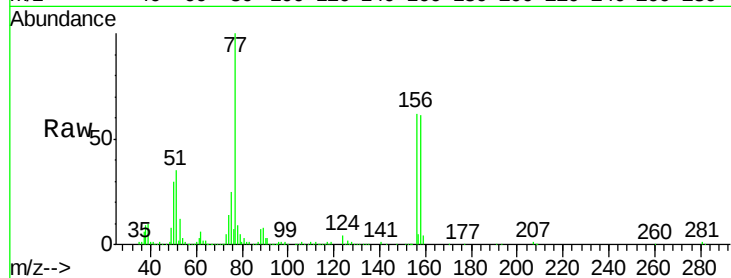
Tgt Ion:156 Resp: 87803

Ion Ratio Lower Upper

156 100

77 176.8 96.9 290.7

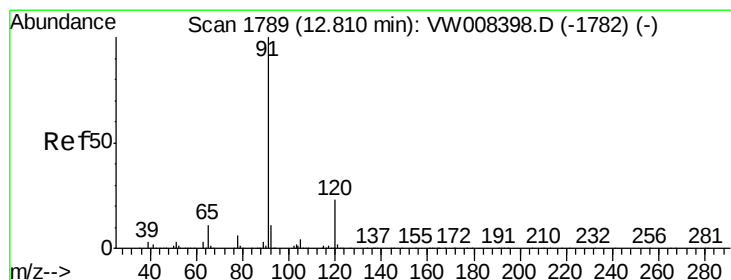
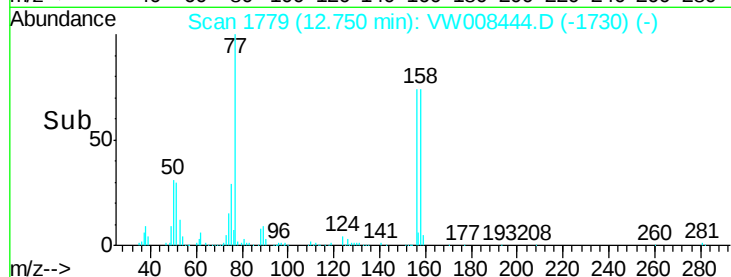
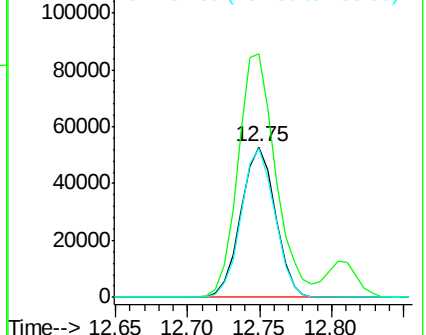
158 96.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.771 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008444.D

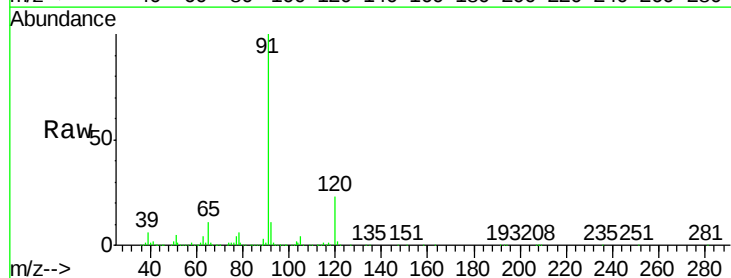
Acq: 29 Jan 2019 11:42

Tgt Ion: 91 Resp: 474853

Ion Ratio Lower Upper

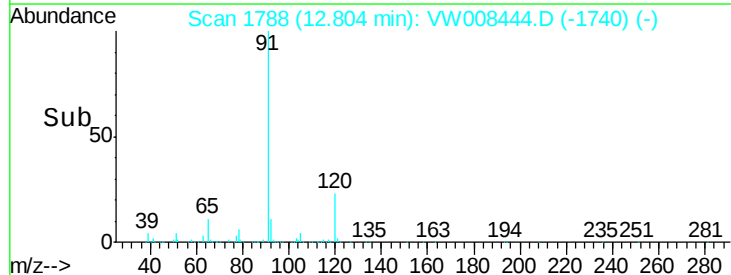
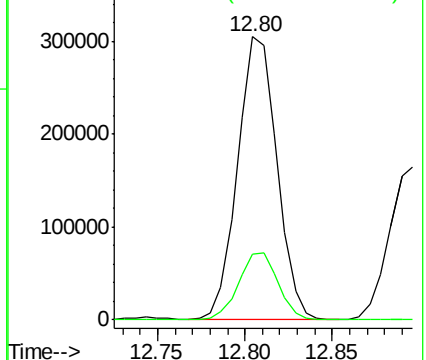
91 100

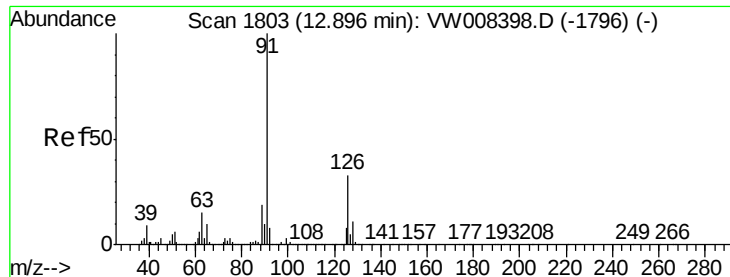
120 23.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.655 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

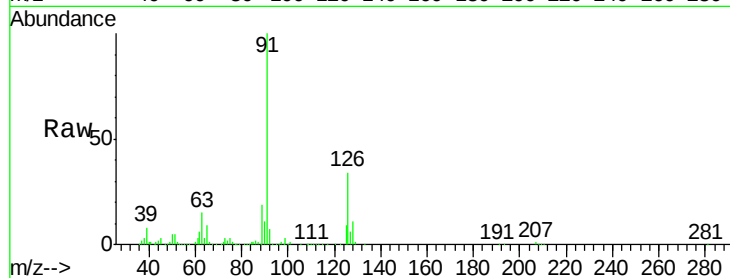
VW0129SBS01

Tgt Ion: 91 Resp: 266296

Ion Ratio Lower Upper

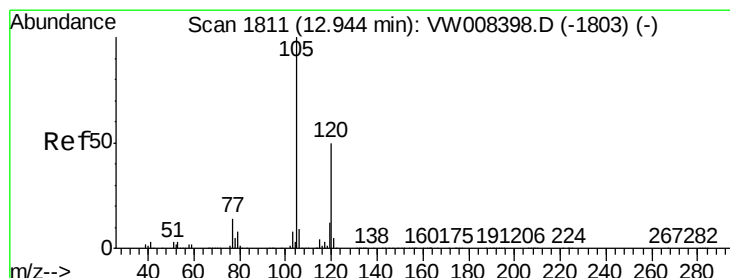
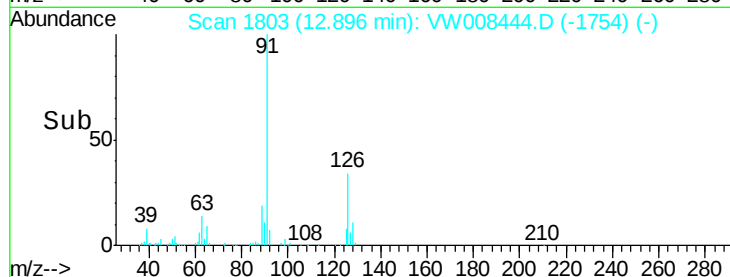
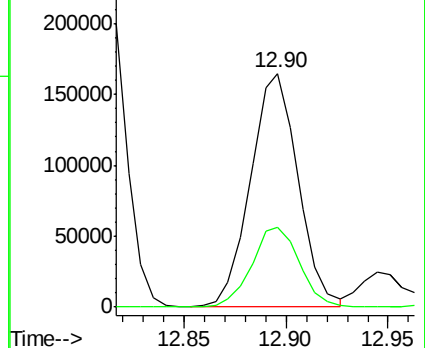
91 100

126 34.5 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.674 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008444.D

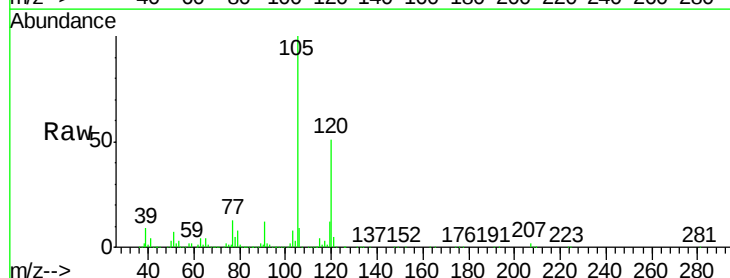
Acq: 29 Jan 2019 11:42

Tgt Ion: 105 Resp: 328748

Ion Ratio Lower Upper

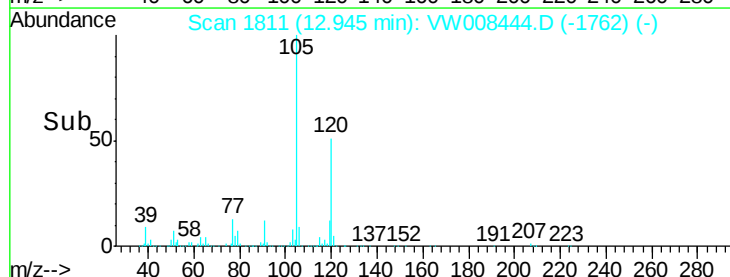
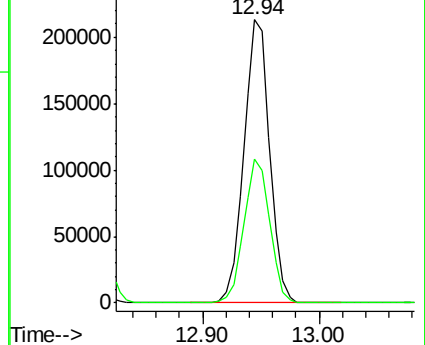
105 100

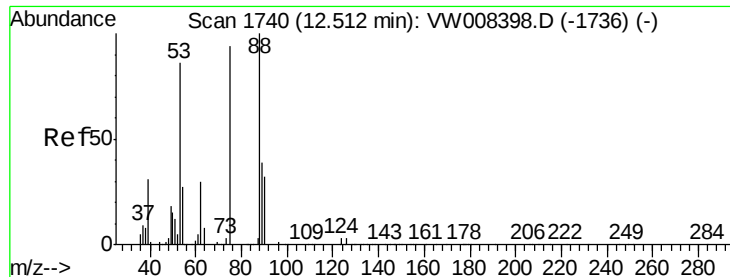
120 50.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.247 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

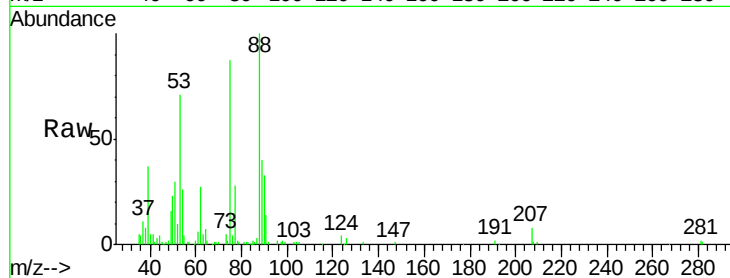
Tgt Ion: 75 Resp: 20205

Ion Ratio Lower Upper

75 100

53 90.3 76.0 114.0

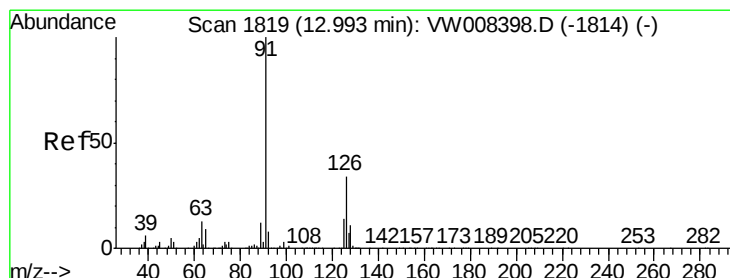
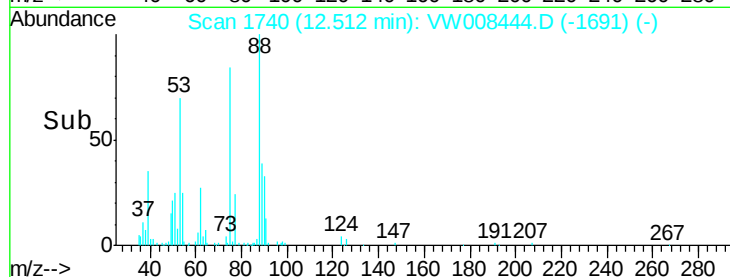
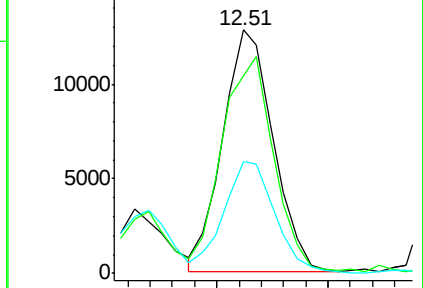
89 47.2 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 17.949 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008444.D

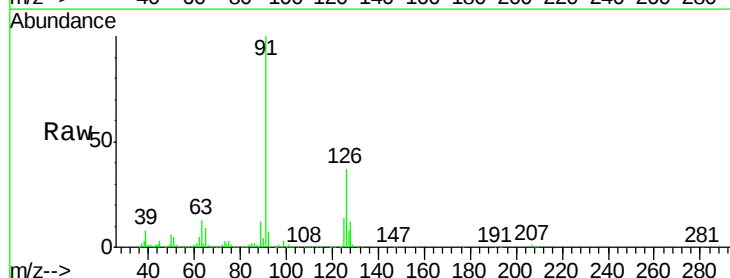
Acq: 29 Jan 2019 11:42

Tgt Ion: 91 Resp: 272795

Ion Ratio Lower Upper

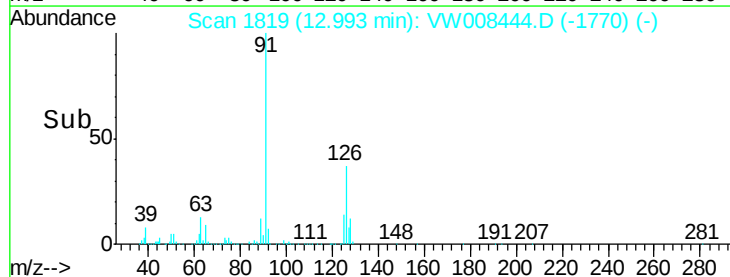
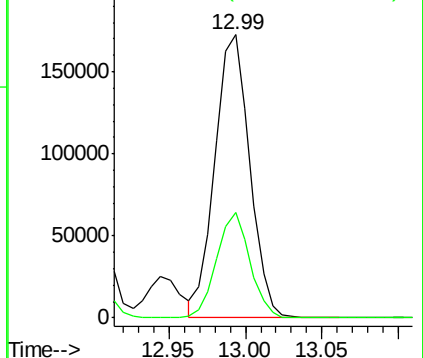
91 100

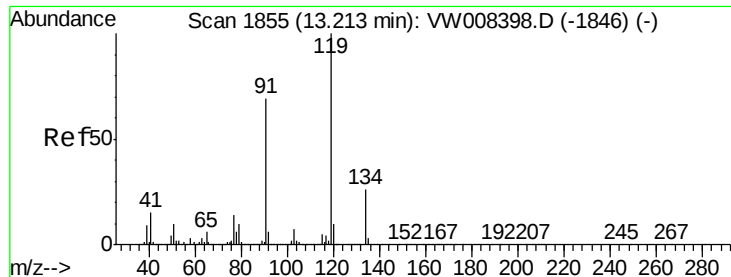
126 35.6 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

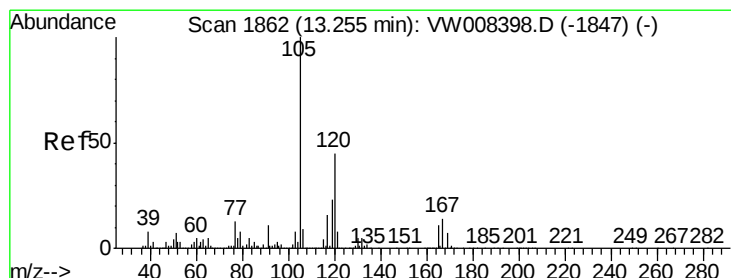
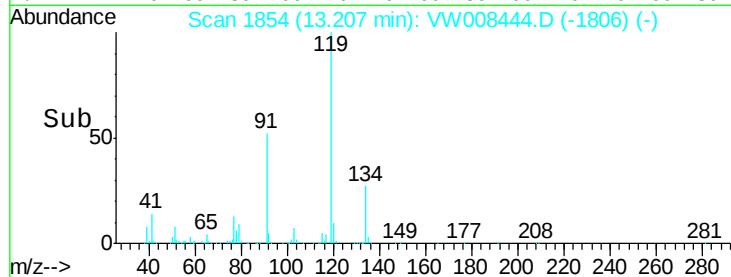
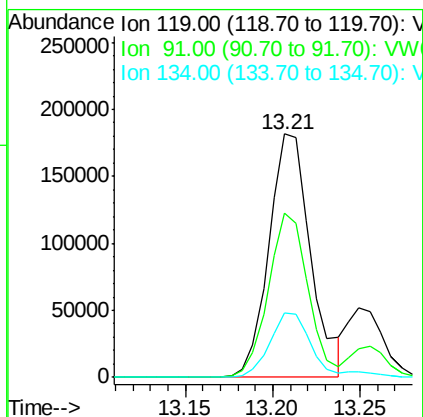
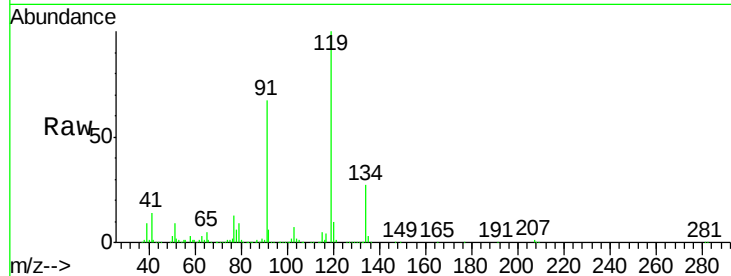




#83
tert-Butylbenzene
Concen: 19.345 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

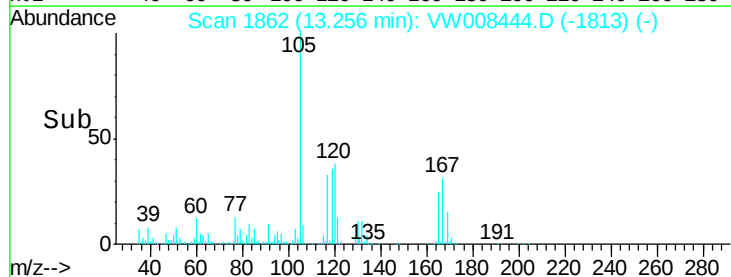
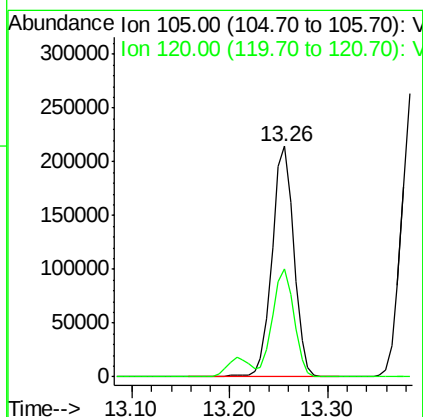
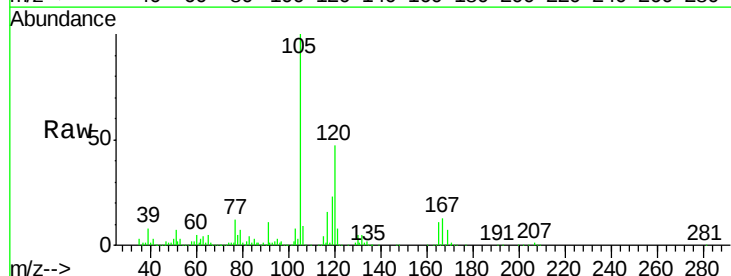
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

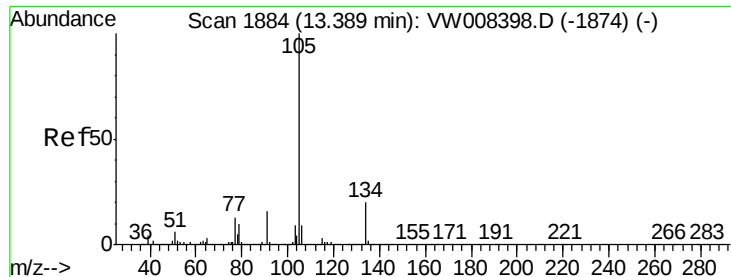
Tgt Ion:119 Resp: 303050
Ion Ratio Lower Upper
119 100
91 63.9 33.8 101.4
134 27.3 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 18.618 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion:105 Resp: 333136
Ion Ratio Lower Upper
105 100
120 46.4 23.1 69.2

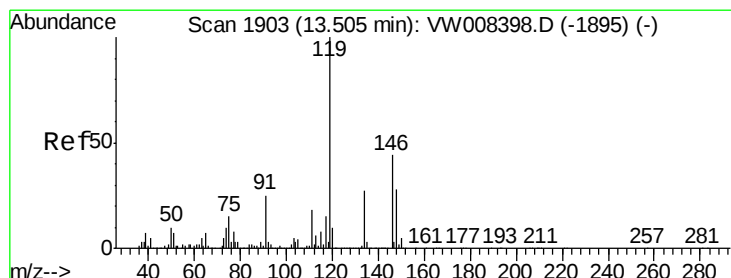
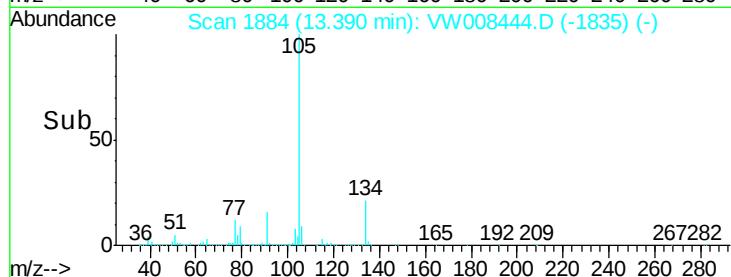
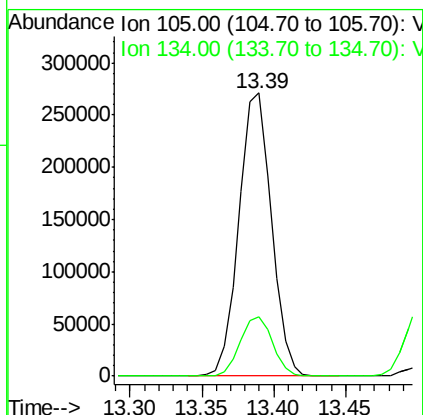
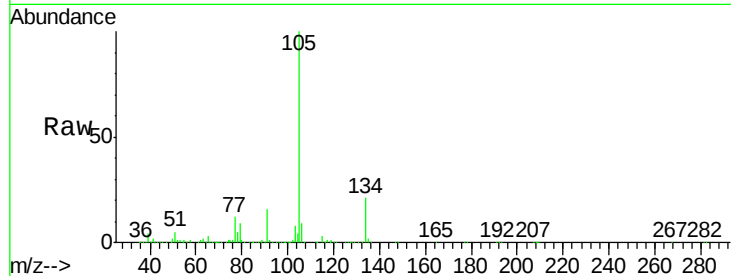




#85
 sec-Butylbenzene
 Concen: 19.009 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

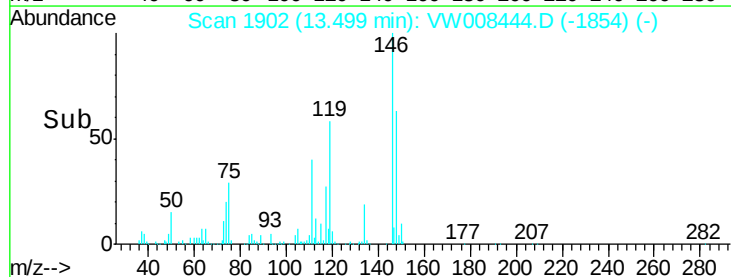
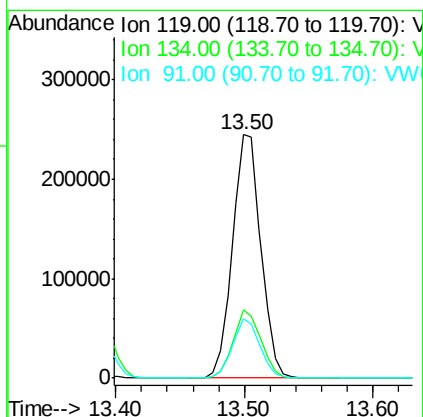
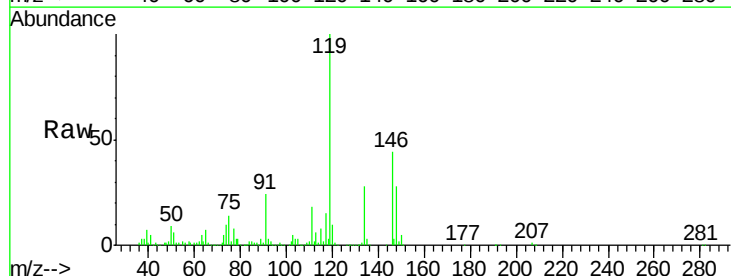
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tgt Ion:105 Resp: 425278
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 19.106 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion:119 Resp: 374428
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.2
 91 23.5 12.6 37.6

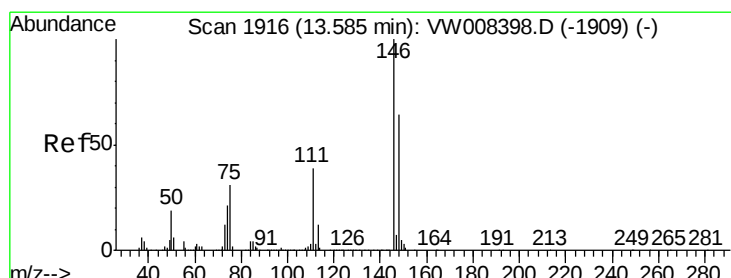
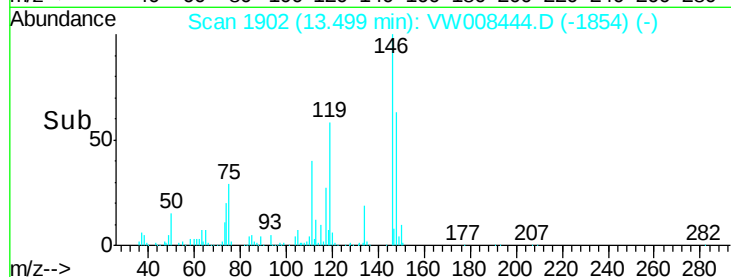
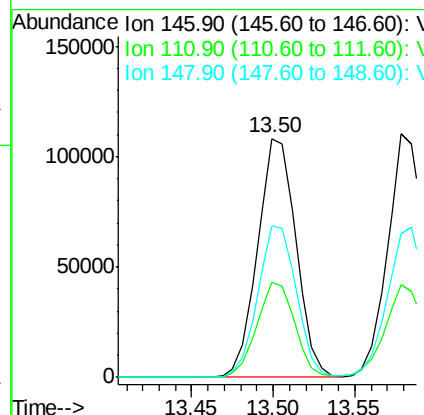
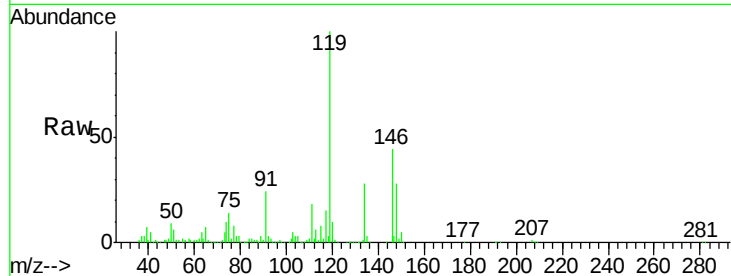




#87
 1,3-Dichlorobenzene
 Concen: 19.086 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

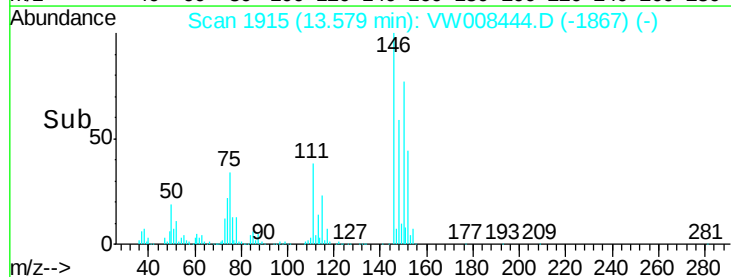
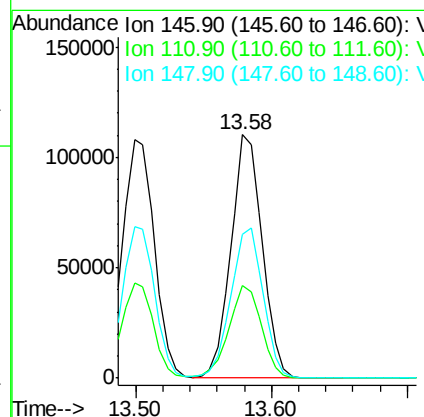
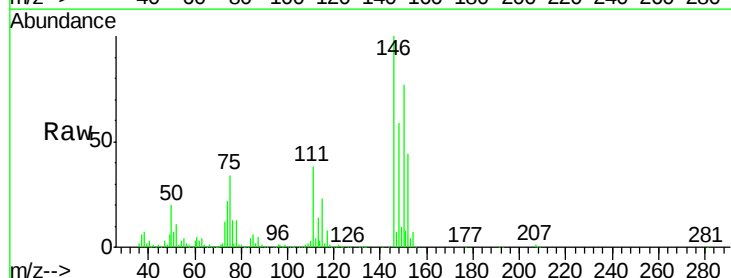
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

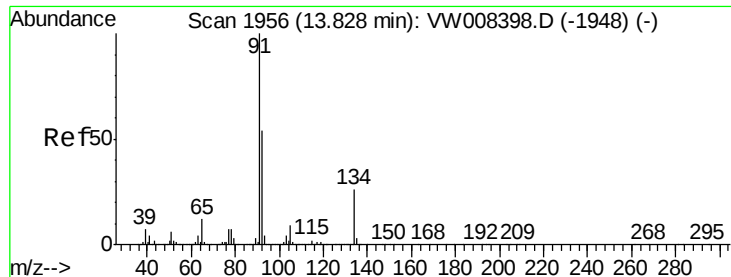
Tgt Ion:146 Resp: 177303
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.3 60.9
 148 63.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.066 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion:146 Resp: 176024
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 64.0 32.0 96.2





#89

n-Butylbenzene

Concen: 18.580 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

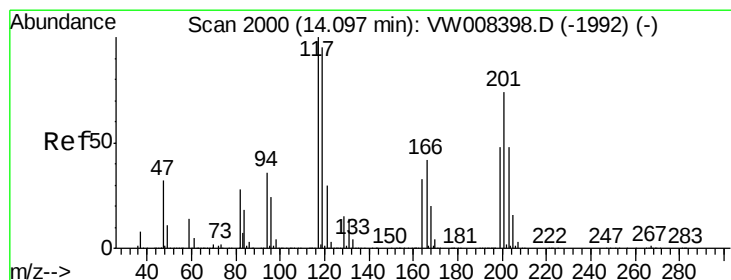
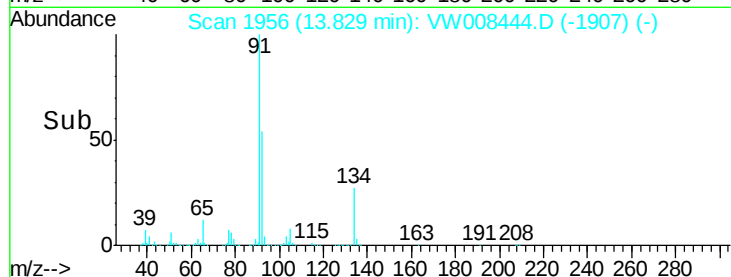
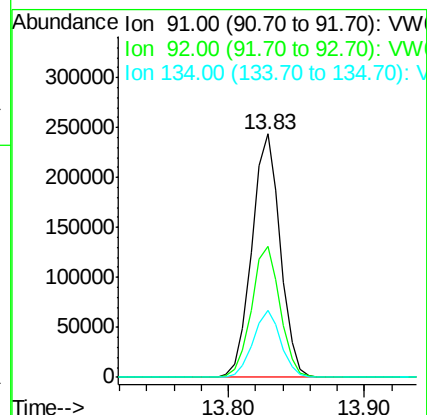
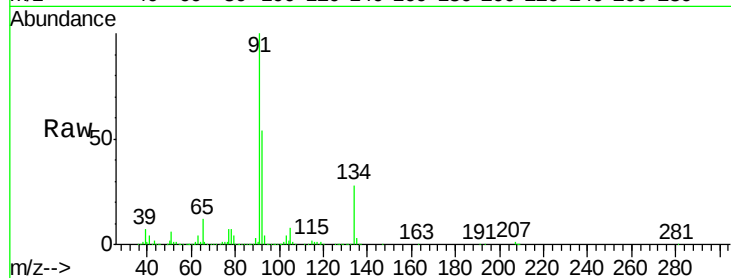
Tgt Ion: 91 Resp: 357514

Ion Ratio Lower Upper

91 100

92 54.3 27.4 82.2

134 26.9 13.0 39.0



#90

Hexachloroethane

Concen: 18.864 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008444.D

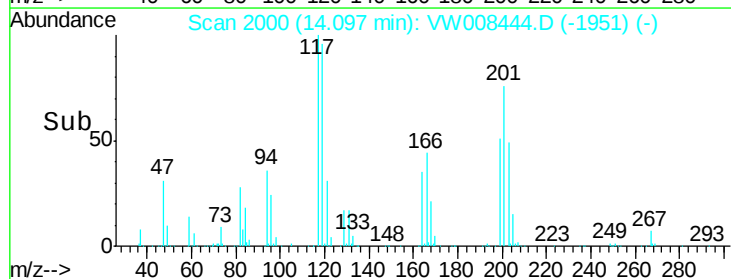
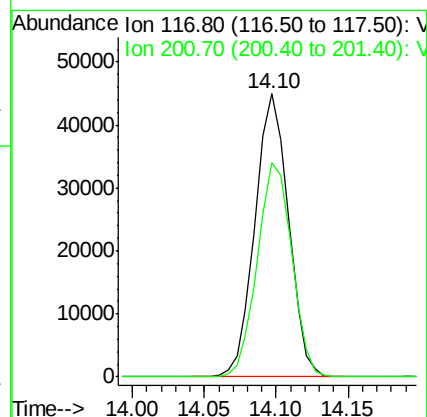
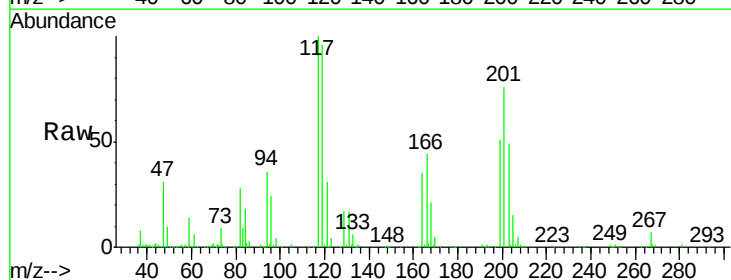
Acq: 29 Jan 2019 11:42

Tgt Ion: 117 Resp: 72296

Ion Ratio Lower Upper

117 100

201 78.0 39.1 117.5

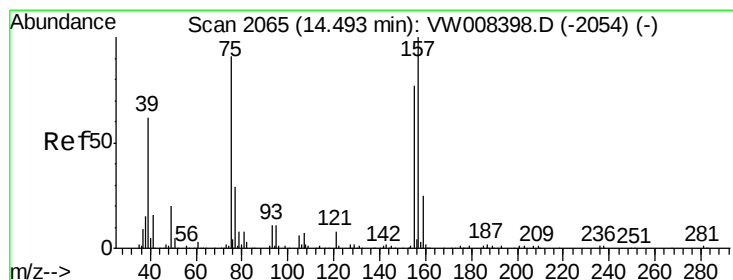
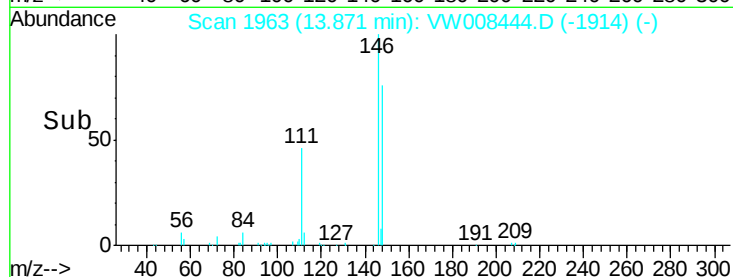
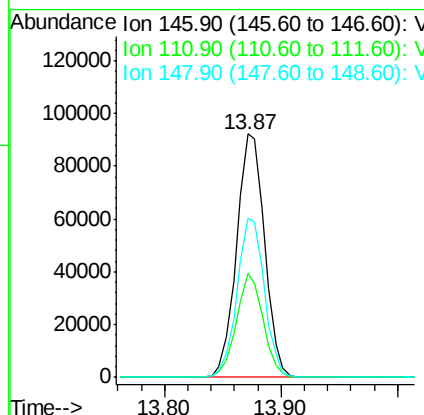
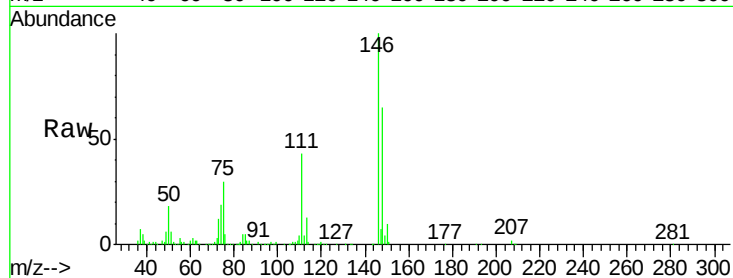




#91
1,2-Dichlorobenzene
Concen: 18.835 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

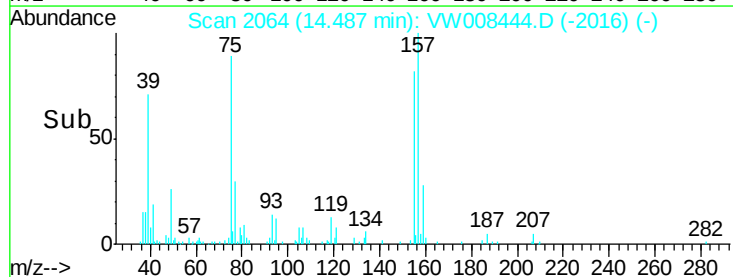
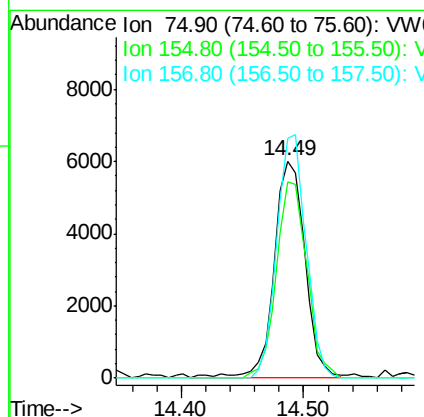
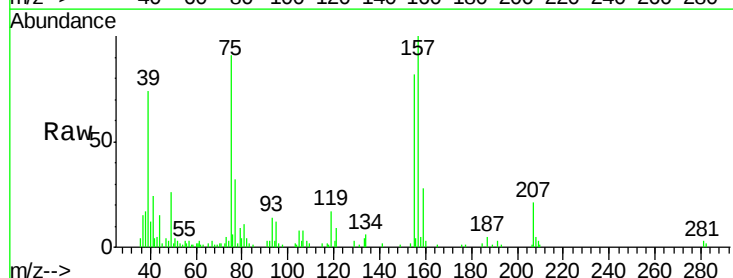
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

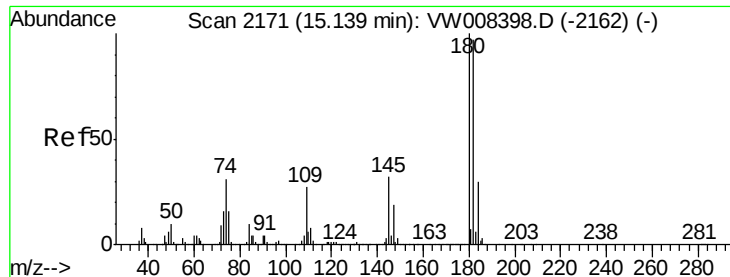
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.3
148	63.8	31.9	95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.657 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	42.7	128.1
157	106.3	55.5	166.3

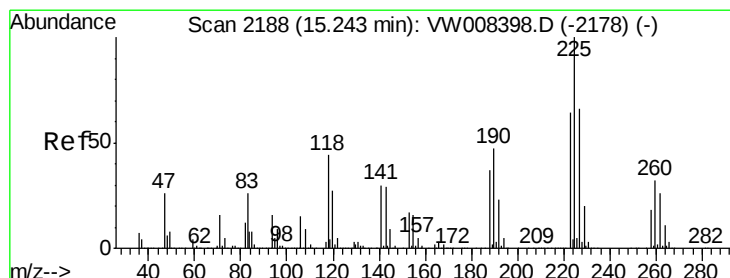
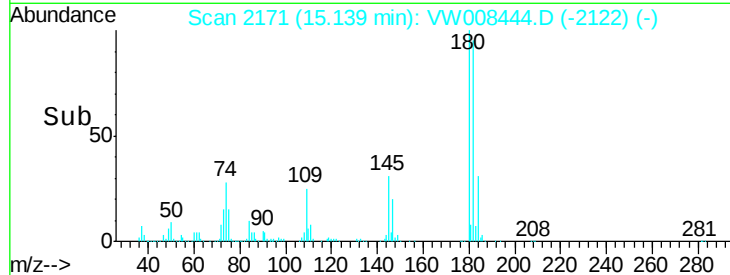
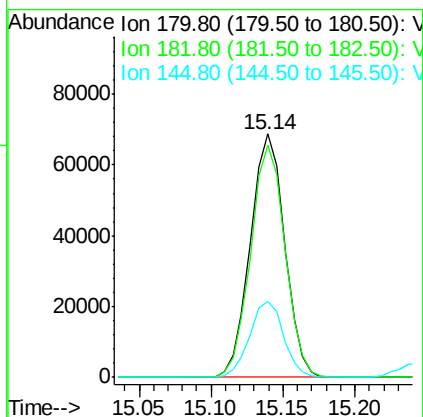
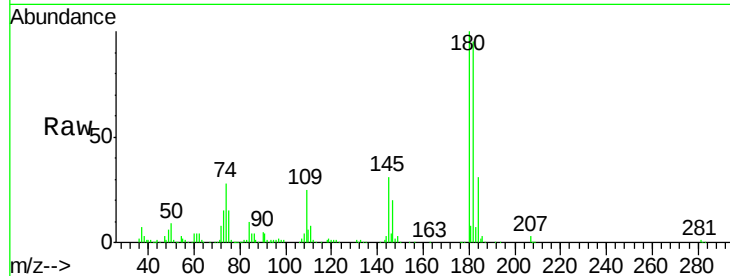




#93
 1,2,4-Trichlorobenzene
 Concen: 19.299 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

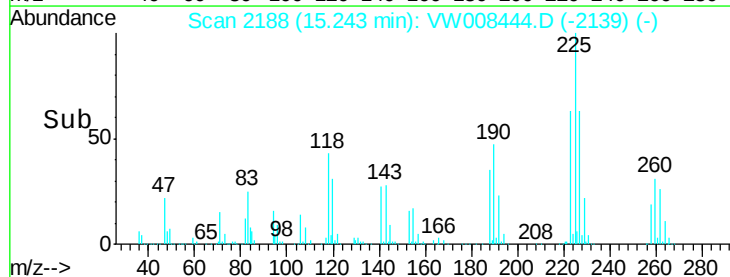
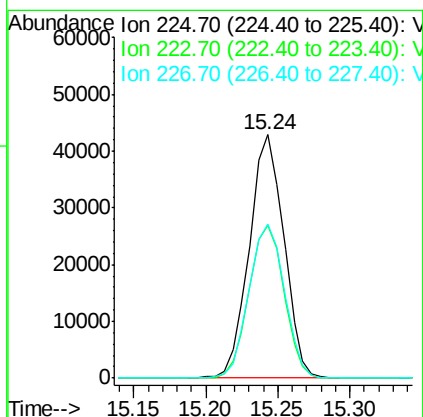
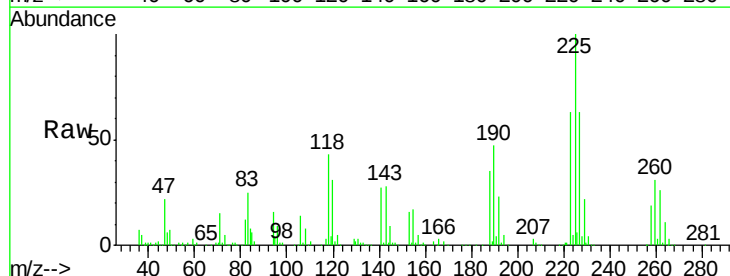
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	30.9	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 20.133 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.7	95.1
227	64.9	32.1	96.3

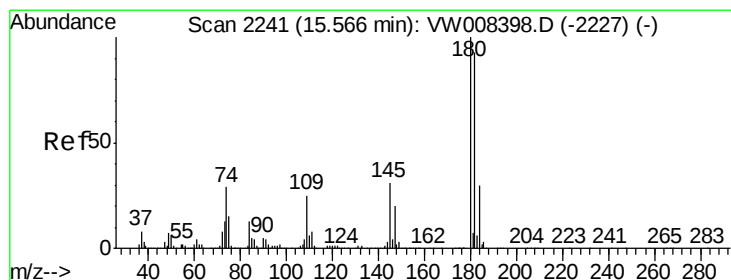
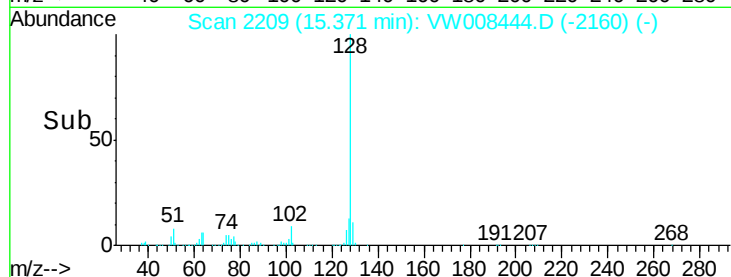
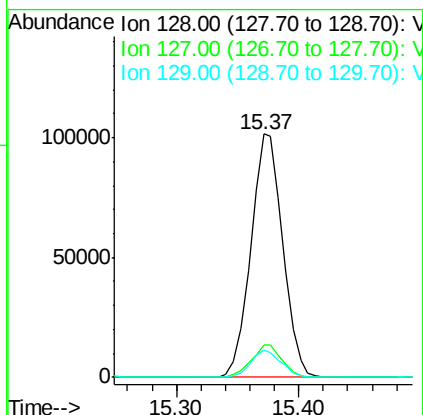
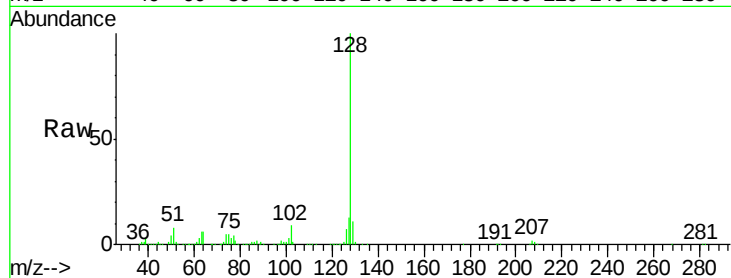




#95
Naphthalene
Concen: 17.858 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tgt Ion:128 Resp: 183920
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.027 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion:180 Resp: 94675
Ion Ratio Lower Upper
180 100
182 94.3 47.0 141.2
145 31.6 15.9 47.6

